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SUMMARY

PARCEL	402-04-276L
LEGAL JURISDICTION	DEWEY-HUMBOLDT
ZONING	RIL-70
SETBACKS - ZONING	
FRONT	50'
SIDE (INTERIOR)	25'
SIDE (EXTERIOR)	30'
REAR	50'
BUILDING CODE	2012 IRC
ENERGY CODE	2012 EEC
BUILDING AREAS	
TOTAL FINISHED LIVING AREA	3620SF
GARAGE	860SF
PORCH ROOFS (>4' OVERHANG)	514SF
GROSS ROOF AREA WITH OVERHANGS	4994SF

NEW SINGLE FAMILY RESIDENCE FOR  
**ADAM & MAGGIE GOLDENSTEIN**

10685 E ROCKY HILL RD  
DEWEY, AZ 86327



DEFERRED SUBMITTALS

ALL DEFERRED SUBMITTALS TO BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION  
1. PRE-FAB SCISSOR TRUSSES FOR HOUSE.  
2. PRE-FAB METAL SHOP BUILDING.

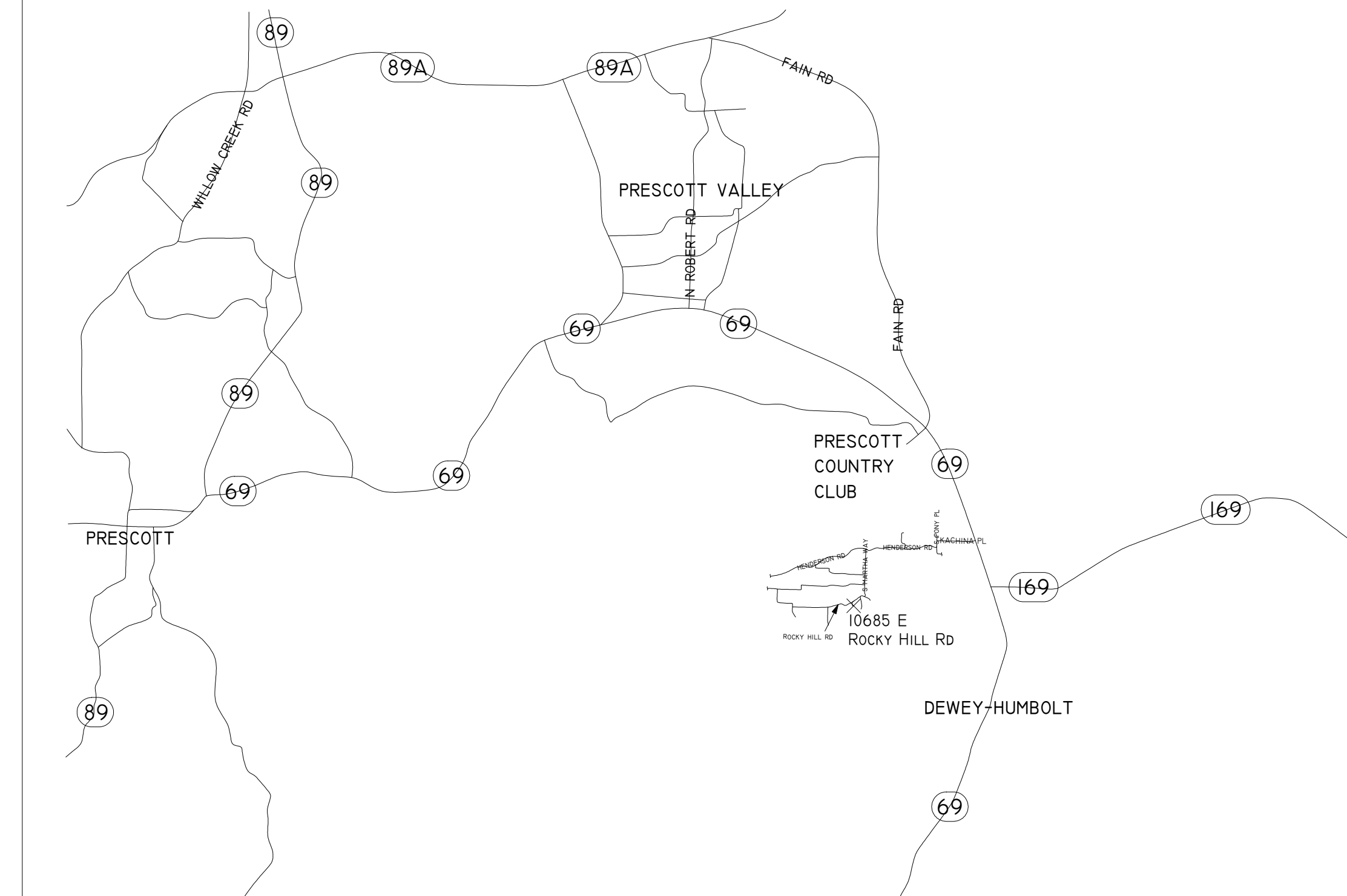
DESIGNED BY

ADAM GOLDENSTEIN  
11136 E HAVASUPAI TRAIL  
DEWEY, AZ 8632  
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BUILDER

ADAM GOLDENSTEIN  
11136 E HAVASUPAI TRAIL  
DEWEY, AZ 8632  
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VICINITY MAP



General Notes

No.	Revision/Issue	Date

Sheet Title  
**COVER PAGE**

Project Name and Address  
**GOLDENSTEIN RESIDENCE**  
10685 E ROCKY HILL RD  
DEWEY, AZ 86327

Drawn By  
ADAM GOLDENSTEIN

Date  
3/15/18

Scale

Sheet  
**T-1**

**GRADING NOTES**

- BUILDING AREA AND DRIVEWAYS TO BE IMPROVED VIA CUT AND FILL TECHNIQUE.
- BUILDING FOUNDATIONS SHALL REST ON UNDISTURBED SOIL AND NOT FILL.
- CONCRETE SLAB-ON-GROUND FLOORS MAY HAVE FILL CONSISTING OF UP TO 24" OF CLEAN SAND OR GRAVEL FILL AND 8" OF CLEAN EARTH PROVIDED IT IS WELL COMPACTED.
- EXCESS SOIL MATERIAL GENERATED FROM EARTHWORK MAY BE USED TO BUILD UP DRIVEWAYS.
- GROUND IMMEDIATELY ADJACENT TO THE FOUNDATION SHALL BE SLOPED AWAY FROM THE BUILDING A MINIMUM OF 6' WITHIN THE FIRST 10' OR PER IRC R401.3.
- SLOPES LESS THAN 1H:1.5V DO NOT REQUIRE ANY SPECIAL FINISHING.
- NO ROCK OR SIMILAR IRREDUCIBLE MATERIAL WITH A MAXIMUM DIMENSION GREATER THAN EIGHT INCHES (8") SHALL BE ALLOWED IN FILLS IN THE ABSENCE OF A SOILS REPORT AND INSPECTION BY A SOILS ENGINEER.
- ALL FILLS SHALL BE COMPACTED, (DENSIFICATION OF FILL BY MECHANICAL MEANS) TO A MINIMUM OF 90% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D1557 TEST PROCEDURES AND VERIFIED BY AN ENGINEERED FILL COMPACTION REPORT WHEN SUPPORTING A STRUCTURE.
- ALL NATIVE SLOPES GREATER THAN 5H:1V AND UNDERLYING ENGINEERED FILL ZONES SHALL BE BENCHMARKED TO FORM HORIZONTAL SURFACES.
- THE FACES OF CUT AND FILL SLOPES SHALL BE PREPARED AND MAINTAINED TO CONTROL EROSION. THIS CONTROL MAY CONSIST OF EFFECTIVE PLANTING.
- ALL FILLS OVER 2 FEET IN DEPTH REQUIRE COMPACTION.
- MAXIMUM SLOPE FOR DRIVEWAYS IS 15% FOR AN UNPAVED SURFACE AND 20% FOR A PAVED SURFACE.

**LOT SIZE AND ZONING REQUIREMENTS FOR RIL-70**

	ZONING REQ	HOUSE	SHOP	TOTAL
PROPOSED BUILDING GROUND AREA (S.F.)	-	4,480	2,484	6,964
ACTUAL LOT AREA (S.F.)	-	-	-	186,279
MIN LOT SIZE (S.F.)	70,000	-	-	-
MIN AREA PER DWELLING (S.F.)	70,000	-	-	-
MIN LOT WIDTH AND DEPTH (FT)	200	-	-	-
MIN YARD SETBACK FRONT (FT)	50	50	50	-
MIN YARD SETBACK REAR (FT)	50	50	50	-
MIN YARD SETBACK INTERIOR (FT)	25	25	25	-
MIN YARD SETBACK EXTERIOR (FT)	30	30	30	-
MAX BUILDING HEIGHT STORIES	2	2	2	-
MAX BUILDING HEIGHT (FT)	30	23	21	-
MAX LOT COVERED (5)	15	2.40%	1.33%	3.74%
MIN BUILDING SPACING (FT)	10	-	-	-

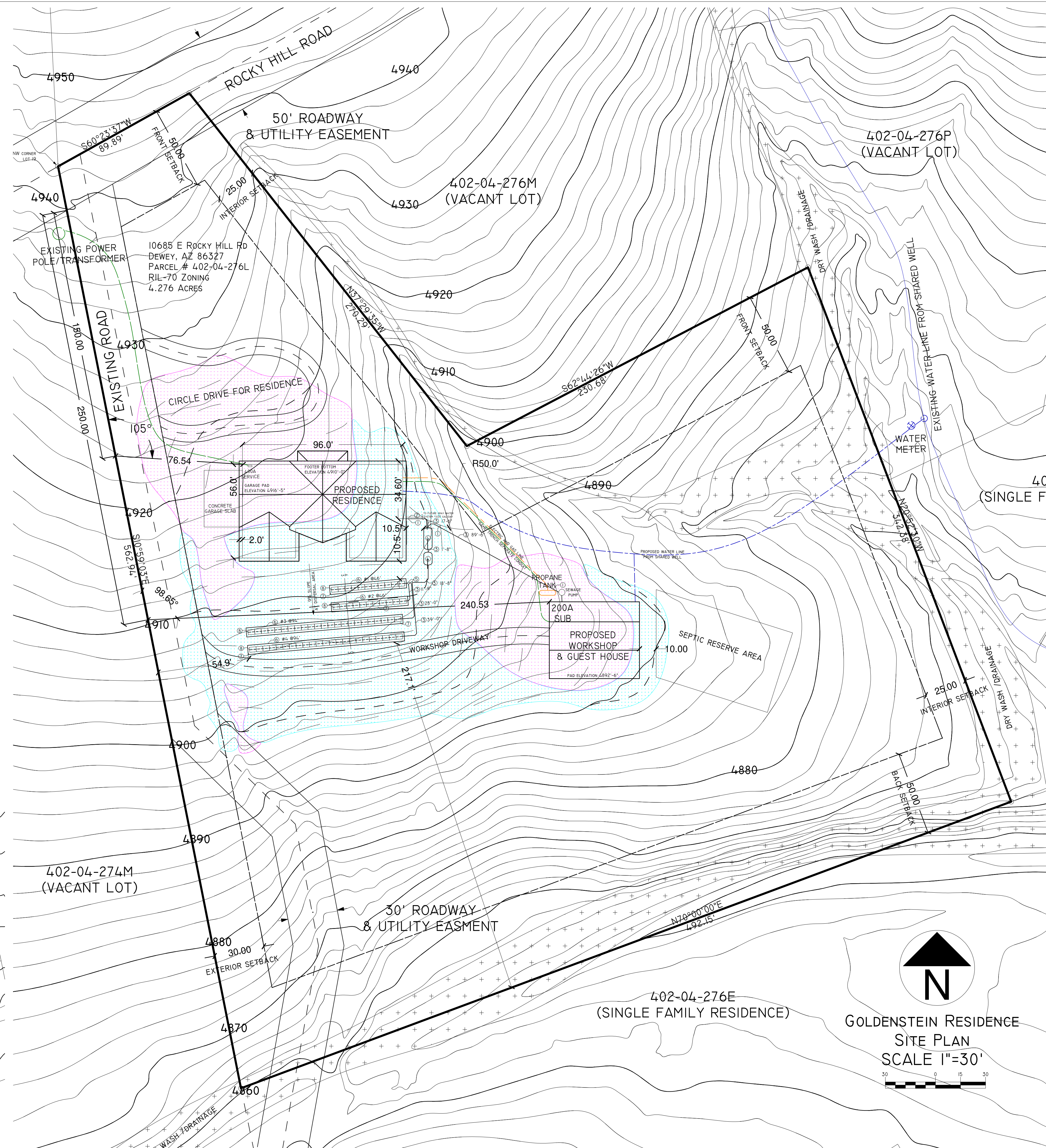
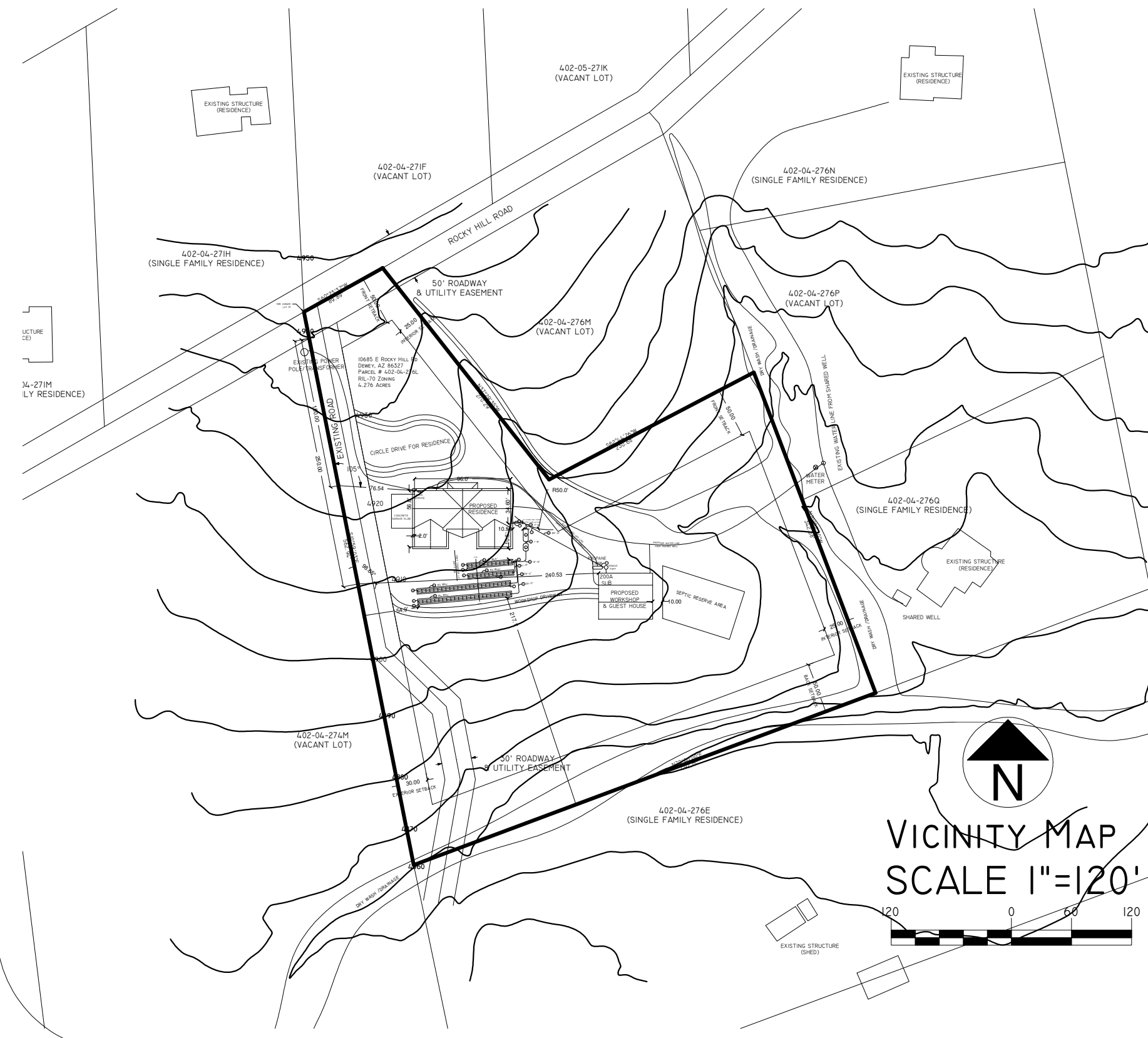
**SEPTIC COMPONENT KEYNOTES**

- 2-WAY CLEANOUT
- GRAY WATER VALVE
- 4" SDR-35 OR SCHD-40\* SEWER PIPE
- 1500 / 750 GAL SINGLE COMPARTMENT SEPTIC TANKS\*\* MEETING ALL REQUIREMENTS OF R18-9-A314
- DISTRIBUTION BOX SET ON LEVELED MASONRY SURFACE
- ELJEN ENGINEERED PAD TRENCH PER SEPTIC PLAN
- INSPECTION PIPES
- 4" VENT PIPE AT END OF EACH TRENCH

\*SDR-35 "HIGH STRENGTH" PIPE SHALL BE USED WHEN PIPE IS GREATER THAN 2' BELOW GRADE.  
 \*\*POLYTANK SHOWN: SNYDER NEXGEN D2 1500 / 750 ONE COMPARTMENT TANK

**LEGEND**

- GRADING CUT AREA
- GRADING FILL AREA
- ROAD/DRIVEWAY
- WATER LINE
- ELECTRIC LINE
- GAS LINE
- EXISTING CONTOUR LINE
- NEW CONTOUR LINE
- DRY WASH



General Notes

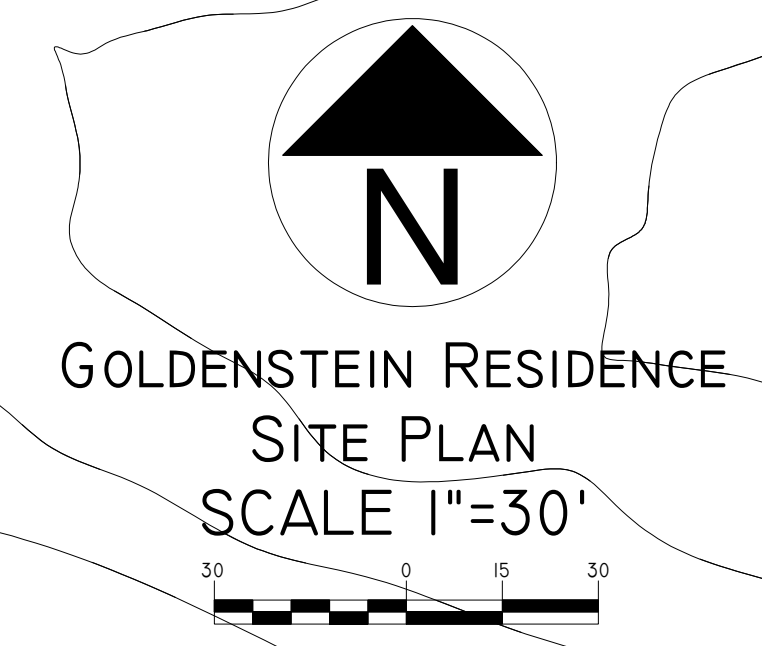
**INITIAL RELEASE**

No.	Revision/Issue	Date
		3/12/18

GOLDENSTEIN RESIDENCE  
 SITE/GRADING PLAN  
 GRADING CONTOURS

GOLDENSTEIN RESIDENCE  
 10685 E ROCKY HILL RD  
 DEWEY, AZ 86327

Drawn By ADAM GOLDENSTEIN	Sheet GI.01
Date 3/15/18	
Scale 1"=30'	



PRELIM DRAFT

No. Revision/Issue Date

FLOOR PLAN

Sheet Title

GOLDENSTEIN RESIDENCE  
10685 E ROCKY HILL RD  
DEWEY, AZ 86327

Project Name and Address

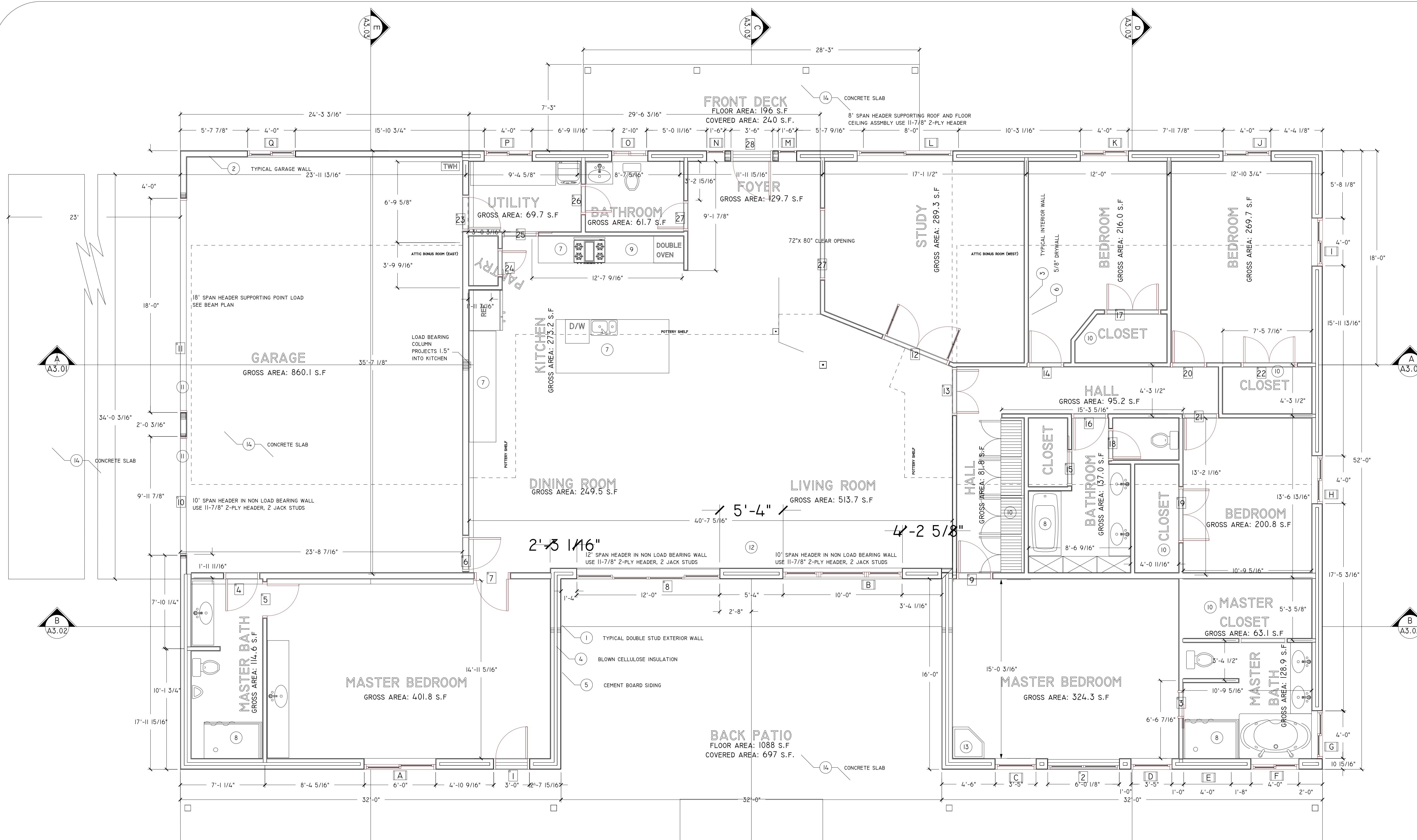
Drawn By  
ADAM GOLDENSTEIN

Date  
3/15/18

Scale  
1/4" = 1'-0"

Sheet

A1.01



FLOOR PLAN KEYNOTES

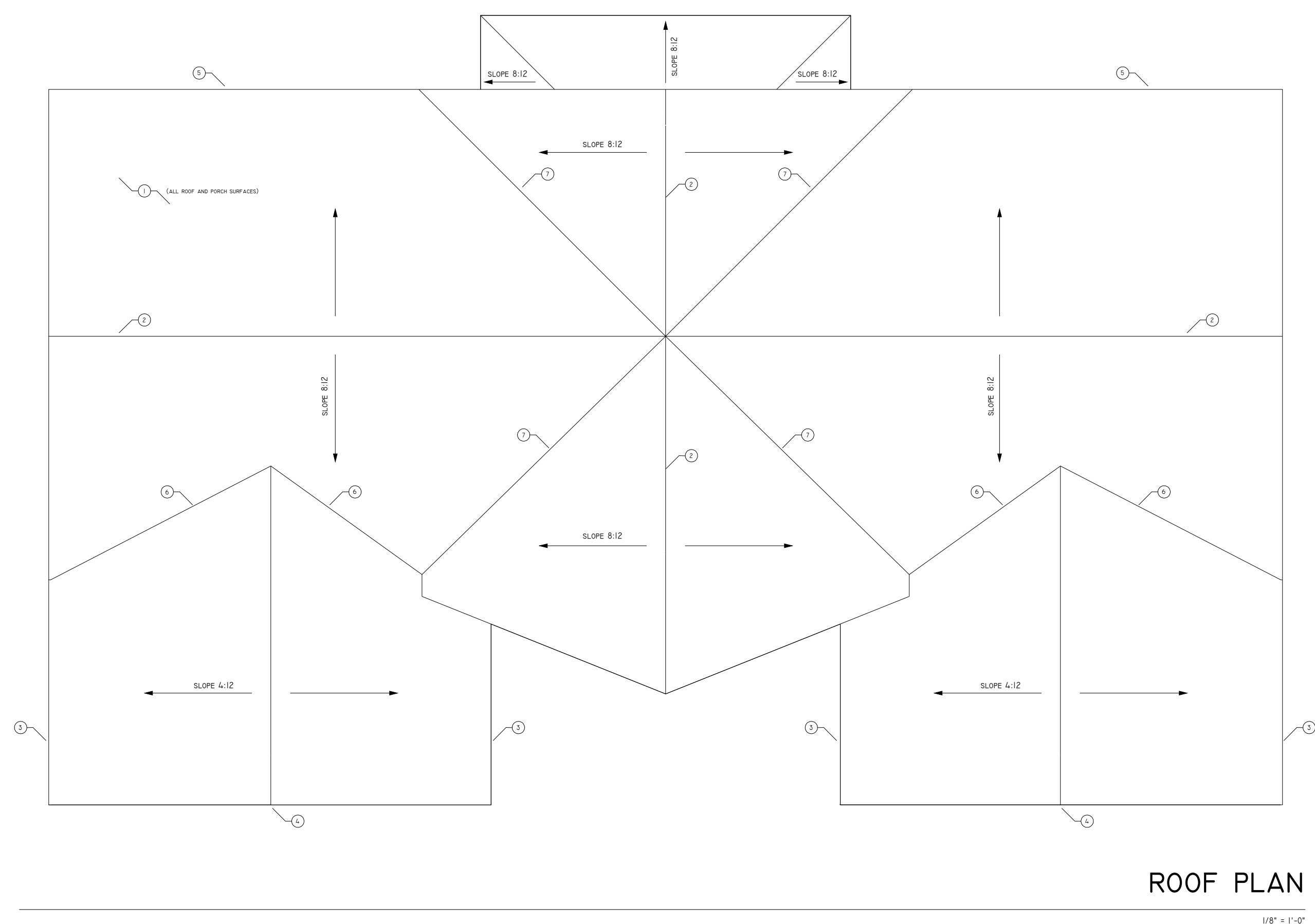
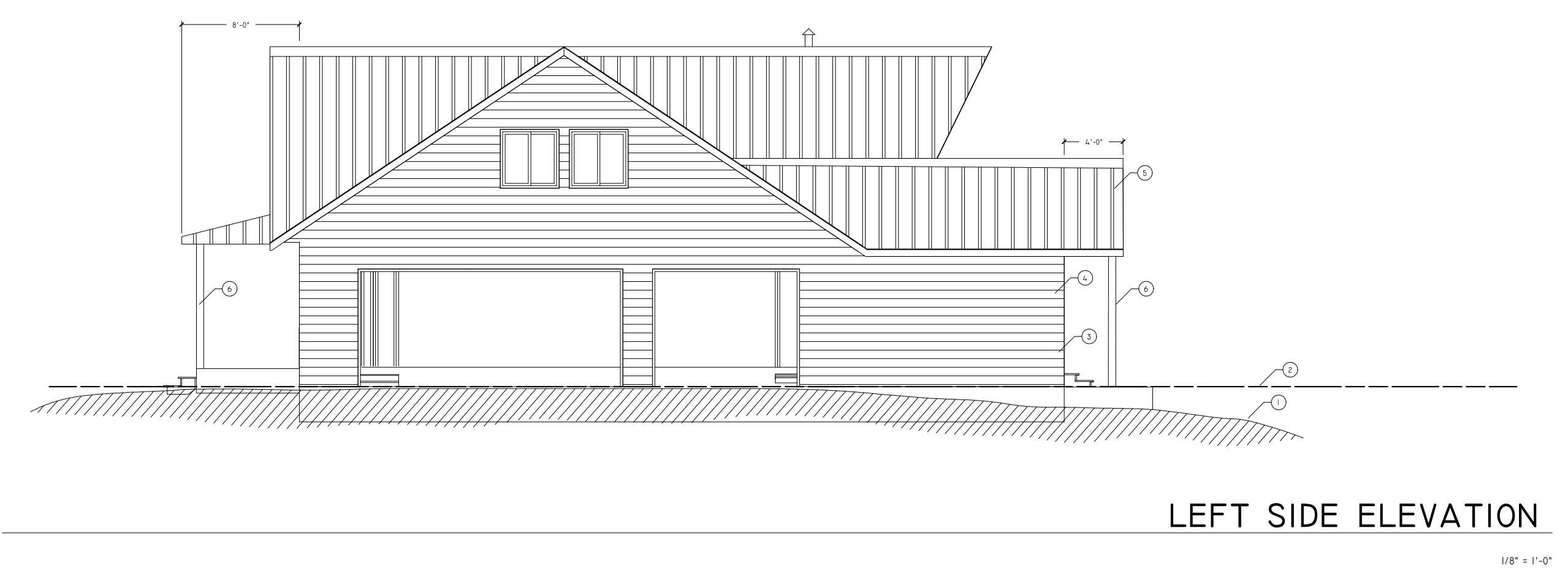
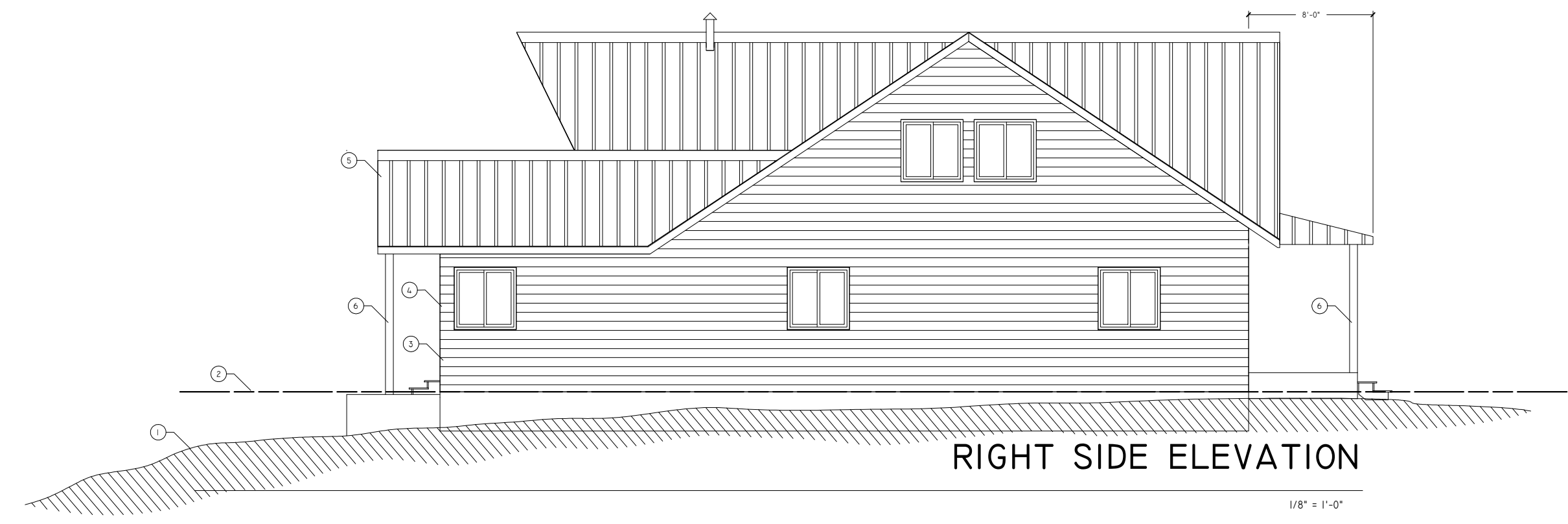
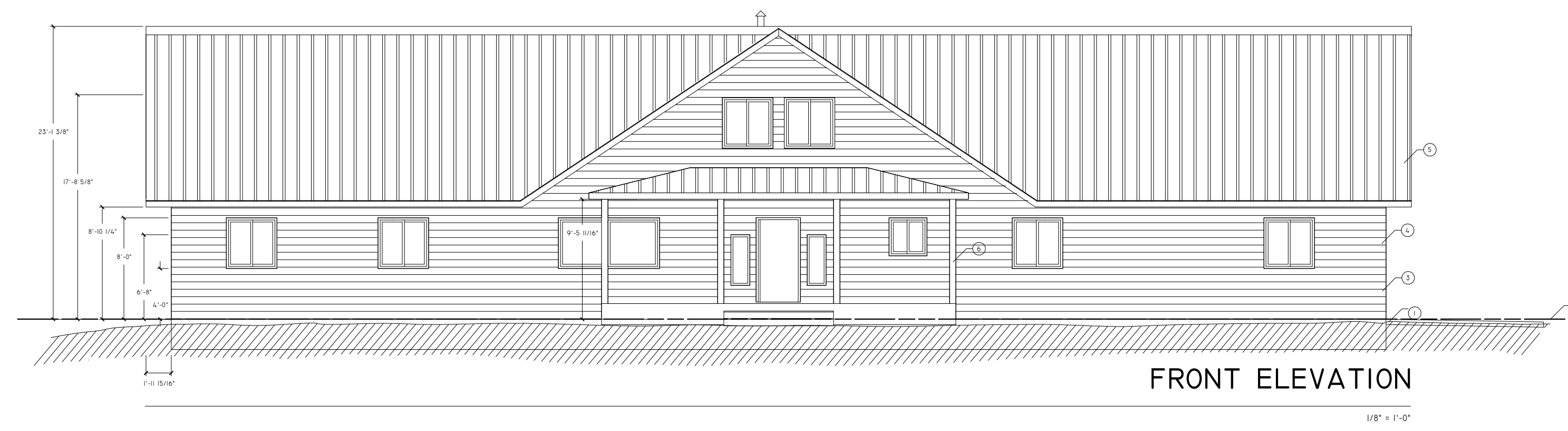
1. TYPICAL EXTERIOR WALL (NOT GARAGE): DOUBLE STUD 2X4 WALL @ 24" O.C. 10" THICK
2. TYPICAL EXTERIOR WALL (GARAGE): CONVENTIONAL 2X6 STUD WALL @ 24" O.C.
3. TYPICAL INTERIOR WALL: CONVENTIONAL 2X4 STUD WALL @ 24" O.C.
4. TYPICAL INSULATION: BLOWN CELLULOSE IN DOUBLE STUD WALLS, RIGID INSULATION ON INTERIOR OF STEM WALL, FIBERGLASS BATT EVERYWHERE ELSE.
5. TYPICAL EXTERIOR FINISH: FIBER CEMENT BOARD SIDING.
6. TYPICAL INTERIOR FINISH: 5/8" DRYWALL.
7. BASE CABINETS TO +36" WITH TOP, SPLASH, & EDGE SELECTED BY OWNER.
8. SHOWER/BATH WAINSCOTT TO +7" PER IRC R702.3.8/R702.4
9. APPLIANCES SELECTED BY OWNER
10. BUILD OUT CLOSET PER OWNER REQUIREMENTS
11. SECTIONAL GARAGE DOOR
12. WOOD BURNING STOVE PER OWNERS REQUIREMENTS
13. GAS BURNING FIRE PLACE PER OWNERS REQUIREMENTS
14. CONCRETE SLAB PER FOUNDATION PLAN

DEFERRED TRUSS SUBMITAL NOTE

TRUSS MANUFACTURER'S CALCULATIONS FOR PRE-FAB SCISSOR TRUSSES OVER THE MASTER BEDROOMS SHALL BE SUBMITTED TO TOWN OF DEWEY-HUMBOLDT FOR REVIEW & APPROVAL PRIOR TO INSTALLATION. TRUSS CALCS MUST BE SIGNED, DATED & SEALED BY A REGISTERED ARIZONA ENGINEERING. THERE WILL BE NO FURTHER SUBMITTAL FOR THE TRUSS JOISTS FOR THE MAIN BUILDING SECTIONS OF THE ROOF OR ROOF ASSEMBLY OR ANY OTHER PARTS OF THE BUILDING DESIGN.

FIRST FLOOR PLAN

1/4" = 1'-0"



**ROOF PLAN KEYNOTES**

1. ALL ROOF/PORCH COVERINGS: METAL ROOF PANELS OVER 9/32" PLYWOOD SHEATHING. UNDERPAYMENT, ATTACHMENT, & FLASHING IN ACCORDANCE WITH IRC R905.10 AND MANUFACTURER INSTRUCTIONS.
2. RIDGE VENT - MAIN ROOF (8:12 SECTIONS): SUITABLE FOR METAL ROOFING AND PER IRC R806 - INSTALLED IN ACCORDANCE WITH MANUFACTURE INSTRUCTION. TOTAL VENT AREA PER IRC R806.2 (EXCEPTION 2) -> 17.3IN<sup>2</sup> PER 2' O.C. RAFTER CAVITY. SPLIT 50/50 BETWEEN SOFFIT/RIDGE -> 8.6IN<sup>2</sup> PER LINEAR FT (BOTH SIDES) FOR FULL WIDTH BUILDING SECTION.
3. SOFFIT VENTS - SECONDARY ROOF (4:12 SECTIONS): TOTAL VENT AREA PER IRC R806.2 -> 492.5 IN<sup>2</sup>. SPLIT 50/50 FOR SOFFIT/GABLE VENT -> 246.3 IN<sup>2</sup>, ADD 276.5 IN<sup>2</sup> FOR VENTING TO 8:12 SECTIONS -> 522.8 IN<sup>2</sup> TOTAL SOFFIT VENT AREA FOR 4:12 ROOF SECTION(S). FOR 8 SOFFIT SECTIONS 32.7 IN<sup>2</sup> MIN VENT AREA REQUIRED PER EACH.
4. GABLE VENTS - SECONDARY ROOF (4:12 SECTIONS): 246.3 IN<sup>2</sup> MIN VENT AREA.
5. SOFFIT VENTS - MAIN ROOF (8:12 SECTIONS), 4.3IN<sup>2</sup> PER LINEAR FT FOR FULL WIDTH BUILDING SECTION -> 8.6 IN<sup>2</sup> PER RAFTER CAVITY @ 2' O.C.
6. RAFTER SECTIONS ADJACENT TO 4:12 PITCH ROOF(S) VENTED TO SCISSOR TRUSS ATTIC.
7. CROSS GABLE VENTING - RAFTERS ADJACENT TO VALLEY BEAM TO BE VENTED TO THE NEXT ADJACENT RAFTER BAY AND TO PULL AIR FROM THE FIRST AVAILABLE SOFFIT BAY. CROSS BAY VENTING VIA VALLEY VENT TM ([HTTP://WWW.DCIPRODUCTS.COM/HTML/VALLEYVENT.HTM](http://www.dciproducts.com/html/valleyvent.htm)) OR SIMILAR PRODUCT.

**ELEVATION KEYNOTES**

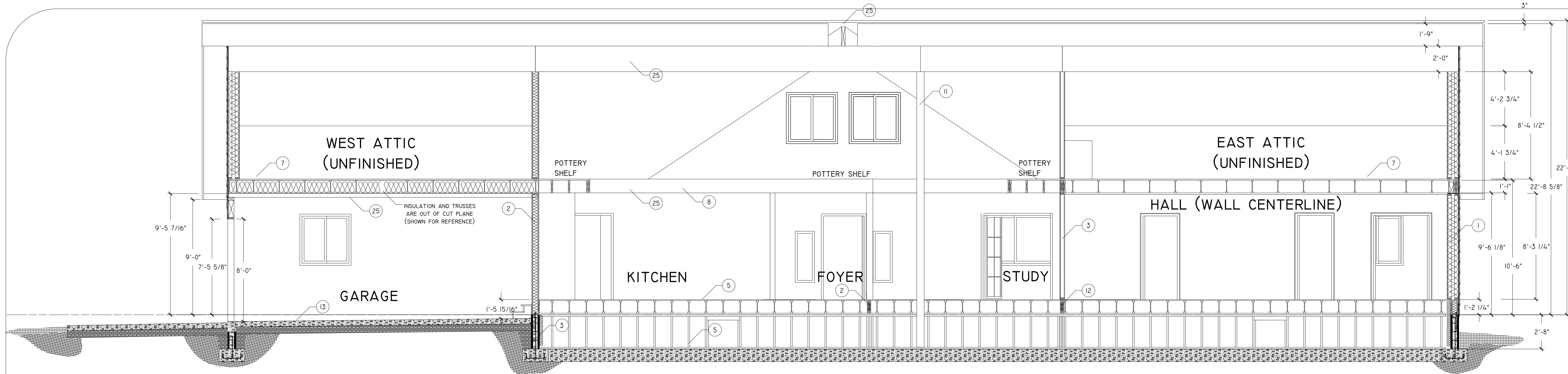
1. FINISH GRADE.
2. TOP OF STEM WALL.
3. TYPICAL EXTERIOR FINISH: UPPER WAINSCOTT WITH FULL 4" THICK BRICK 4' ABOVE STEM WALL.
4. TYPICAL EXTERIOR FINISH: FIBER CEMENT BOARD SIDING ABOVE BRICK.
5. ROOFING PER ROOF PLAN
6. 6X6 COLUMN FOR PORCH SUPPORT
7. GABLE VENT PER ROOF PLAN

General Notes	
Revision/Issue	Date

**ELEVATIONS AND ROOF PLAN**

**GOLDENSTEIN RESIDENCE**  
 10685 E ROCKY HILL RD  
 DEWEY, AZ 86327

Project Name and Address	Sheet <b>A2.01</b>
Drawn By ADAM GOLDENSTEIN	
Date 3/15/18	
Scale 1/8" = 1'-0"	



**SECTION KEYNOTES**

1. TYPICAL EXTERIOR WALL (NOT GARAGE): DOUBLE STUD 2x4 WALL @ 24" O.C. 10" THICK W/ BLOWN CELLULOSE INSULATION (R-30). INLINE FRAMING WITH ATTIC FLOOR TRUSS' & RAFTERS.
2. TYPICAL GARAGE WALL: CONVENTIONAL 2x6 STUD WALL @ 24" O.C. W/ FIBERGLASS BATT INSULATION (R-21). INLINE FRAMING WITH ATTIC FLOOR TRUSS' & RAFTERS.
3. TYPICAL INTERIOR WALL: CONVENTIONAL 2x4 STUD WALL @ 24" O.C.
4. TYPICAL STEM WALL: 8" CMU W/ R-10 RIGID INSULATION (NO INSULATION IN GARAGE W/O CRAWL SPACE).
5. CRIPPLE WALL: 2x4, 16" O.C W/ DOUBLE TOP PLATE. BOTTOM PLATE TO BE TREATED WOOD.
6. MAIN FLOOR: 11-7/8" TJI TRUSS FLOOR @ 16" O.C. W/ 7/8" T&G PLYWOOD SUBFLOOR MINIMUM (1-1/8" SHOWN)
7. ATTIC FLOOR: 11-7/8" TJI TRUSS FLOOR @ 24" O.C. W/ 1-1/8" T&G PLYWOOD SUBFLOOR
8. LOFT FLOOR: EXPOSED 2x12 #2 DOUG FIR TRUSS @24" O.C. W/ 1-1/8" T&G PLYWOOD SUBFLOOR
9. (OMITTED)
11. LOAD BEARING COLUMN PER STRUCTURAL BEAM PLAN
12. BLOCKING FOR COLUMN LOAD PATH
13. GARAGE SLAB PER FLOOR PLAN SLOPED 1/4" PER FT
14. SCISSOR TRUSS @ 2' O.C., VENTED ATTIC W/ FIBERGLASS BATT INSULATION (R-38)
15. PORCH SLOPES AWAY FROM HOUSE 1/8" PER FT.
16. EXTERIOR PORCH TRUSS PER STRUCTURAL BEAM PLAN
17. 6x6 LOAD BEARING COLUMN FOR PORCH SUPPORT
18. MAIN ROOF INTAKE AIR VENTED TO PERPENDICULAR ROOF ATTIC PER ROOF PLAN
19. SOFFIT VENTS PER ROOF PLAN
20. RIDGE VENT PER ROOF PLAN
21. 14" TJI RAFTERS 24" O.C. INLINE FRAMING WITH EXTERIOR STUD WALLS. FIBERGLASS BATT INSULATION (R-38)
22. 2x4 KNEE WALL 24" O.C. SINGLE TOP PLATE.
23. LOAD BEARING INTERIOR WALL, 2x4 O.C FRAMING W/ SINGLE TOP PLATE, INLINE FRAMING WITH ATTIC FLOOR TRUSS' & RAFTERS
24. ATTIC GABLE VENT PER ROOFING PLAN
25. GLULAM BEAM PER STRUCTURAL BEAM PLAN

**BUILDING SECTION 'A'**

1/4" = 1'-0"

General Notes

No.	Revision/Issue	Date

SECTION VIEWS

Sheet Title

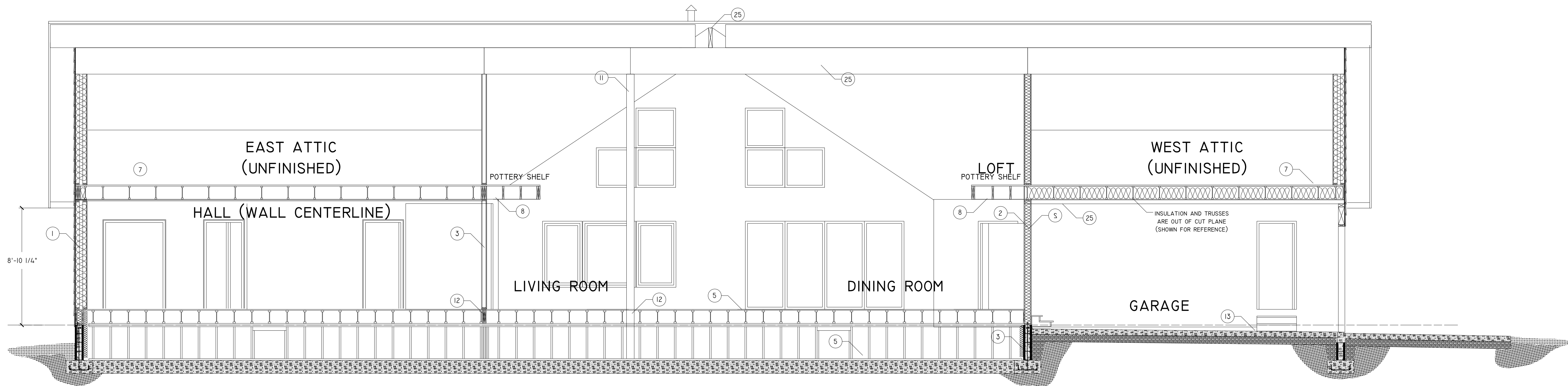
**GOLDENSTEIN RESIDENCE**  
 10685 E ROCKY HILL RD  
 DEWEY, AZ 86327

Project Name and Address

Drawn By  
**ADAM GOLDENSTEIN**  
 Date  
 3/15/18  
 Scale  
 1/4"=1'-0"

Sheet

**A3.01**



**BUILDING SECTION 'A' REVERSE**

1/4" = 1'-0"

General Notes

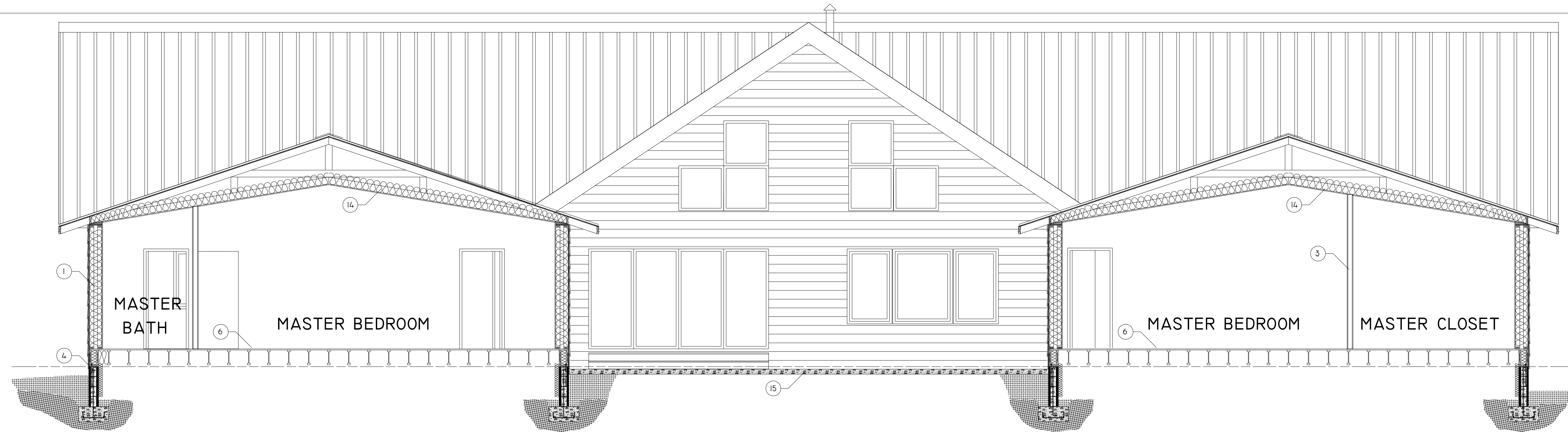
No.	Revision/Issue	Date

SECTION VIEWS

Project Name and Address  
**GOLDENSTEIN RESIDENCE**  
 10685 E ROCKY HILL RD  
 DEWEY, AZ 86327

Drawn By  
 ADAM GOLDENSTEIN  
 Date  
 3/15/18  
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 1/4"=1'-0"

Sheet  
**A3.02**

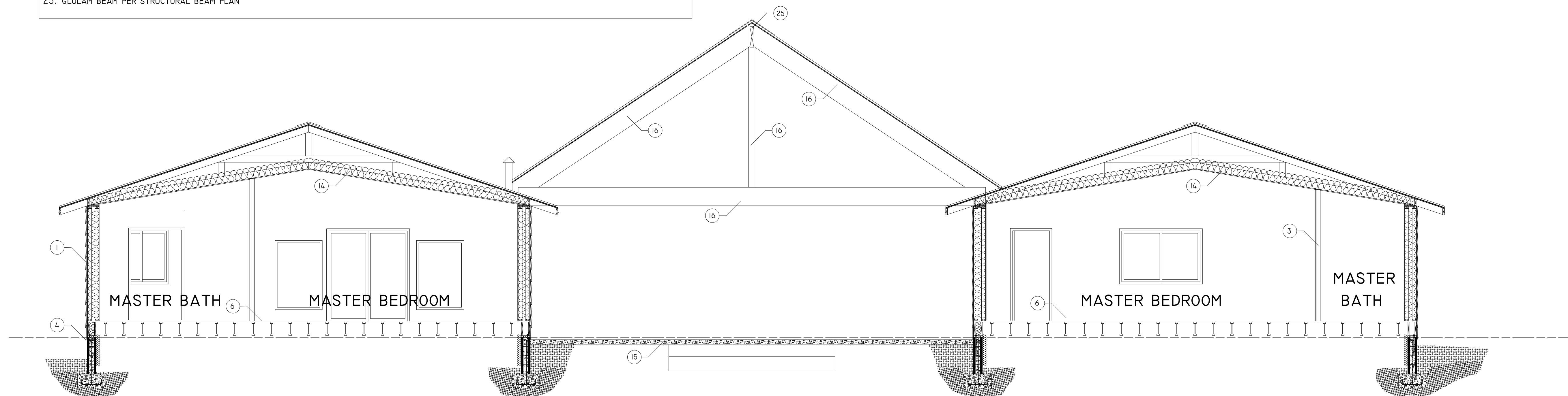


BUILDING SECTION 'B'

1/4" = 1'-0"

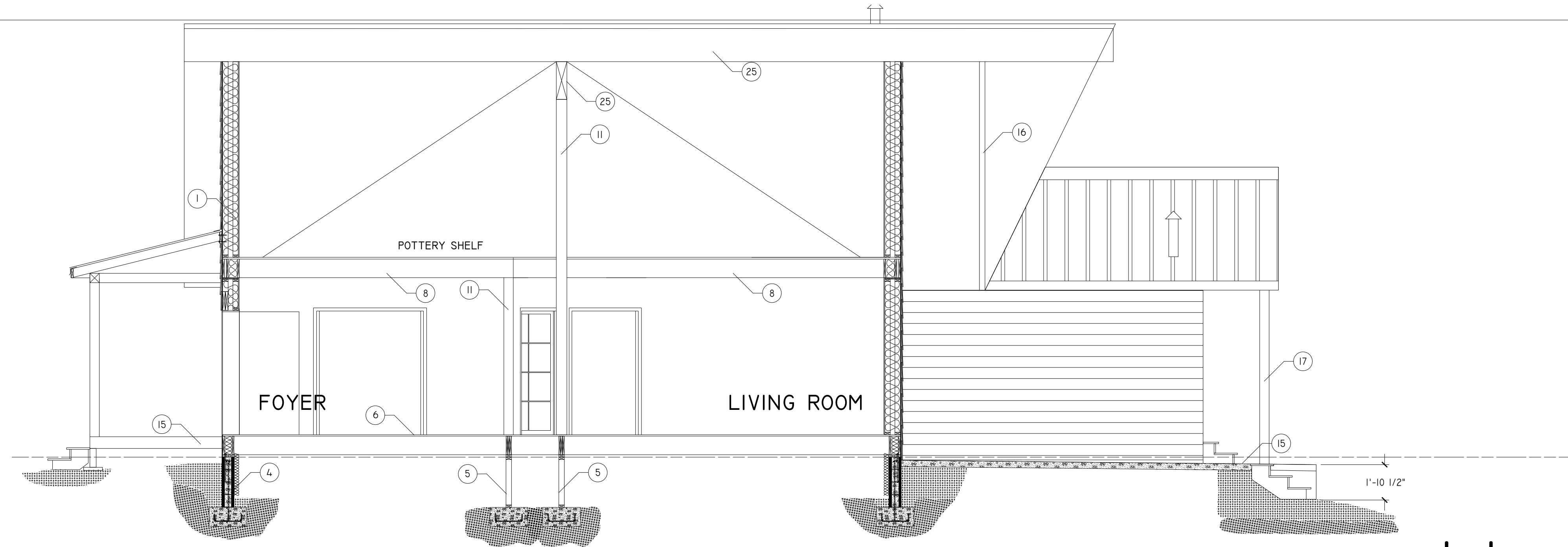
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3. TYPICAL INTERIOR WALL: CONVENTIONAL 2x4 STUD WALL @ 24" O.C.
4. TYPICAL STEM WALL: 8" CMU W/ R-10 RIGID INSULATION (NO INSULATION IN GARAGE W/O CRAWL SPACE).
5. CRIPPLE WALL: 2x4, 16" O.C W/ DOUBLE TOP PLATE. BOTTOM PLATE TO BE TREATED WOOD.
6. MAIN FLOOR: 11-7/8" TJI TRUSS FLOOR @ 16" O.C. W/ 7/8" T&G PLYWOOD SUBFLOOR MINIMUM (1-1/8" SHOWN)
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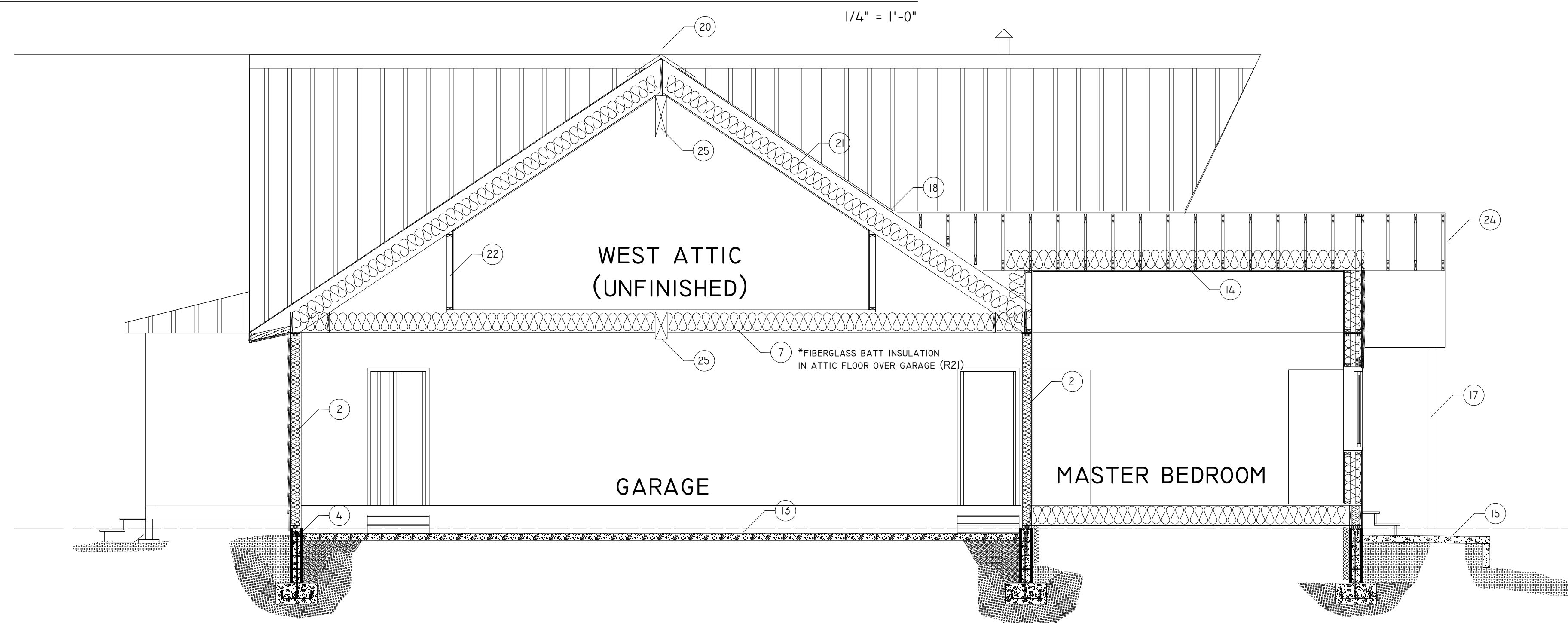


BUILDING SECTION 'B' REVERSE

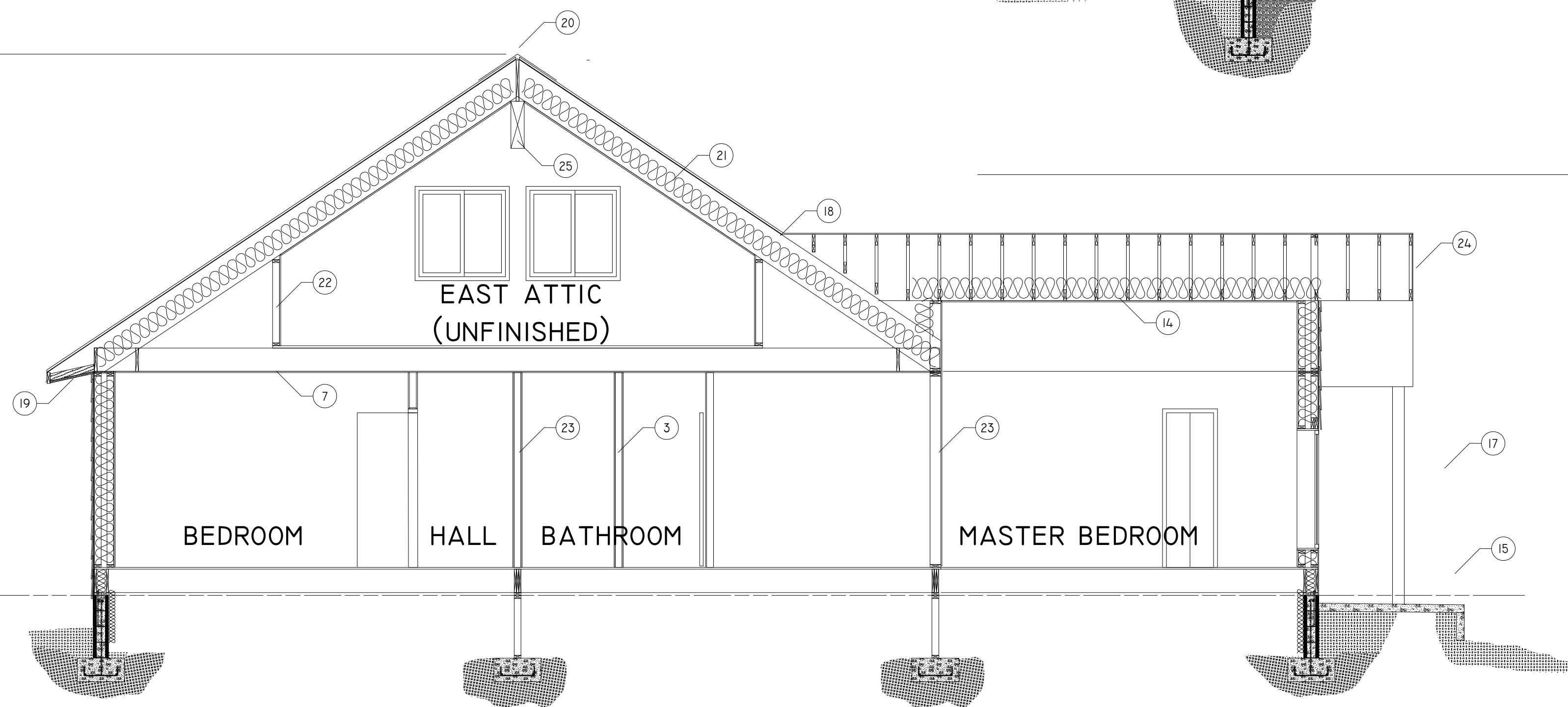
1/4" = 1'-0"



BUILDING SECTION 'C'



BUILDING SECTION 'E'



BUILDING SECTION 'D'

SECTION KEYNOTES

1. TYPICAL EXTERIOR WALL (NOT GARAGE): DOUBLE STUD 2X4 WALL @ 24" O.C. 10" THICK W/ BLOWN CELLULOSE INSULATION (R-30). INLINE FRAMING WITH ATTIC FLOOR TRUSS' & RAFTERS.
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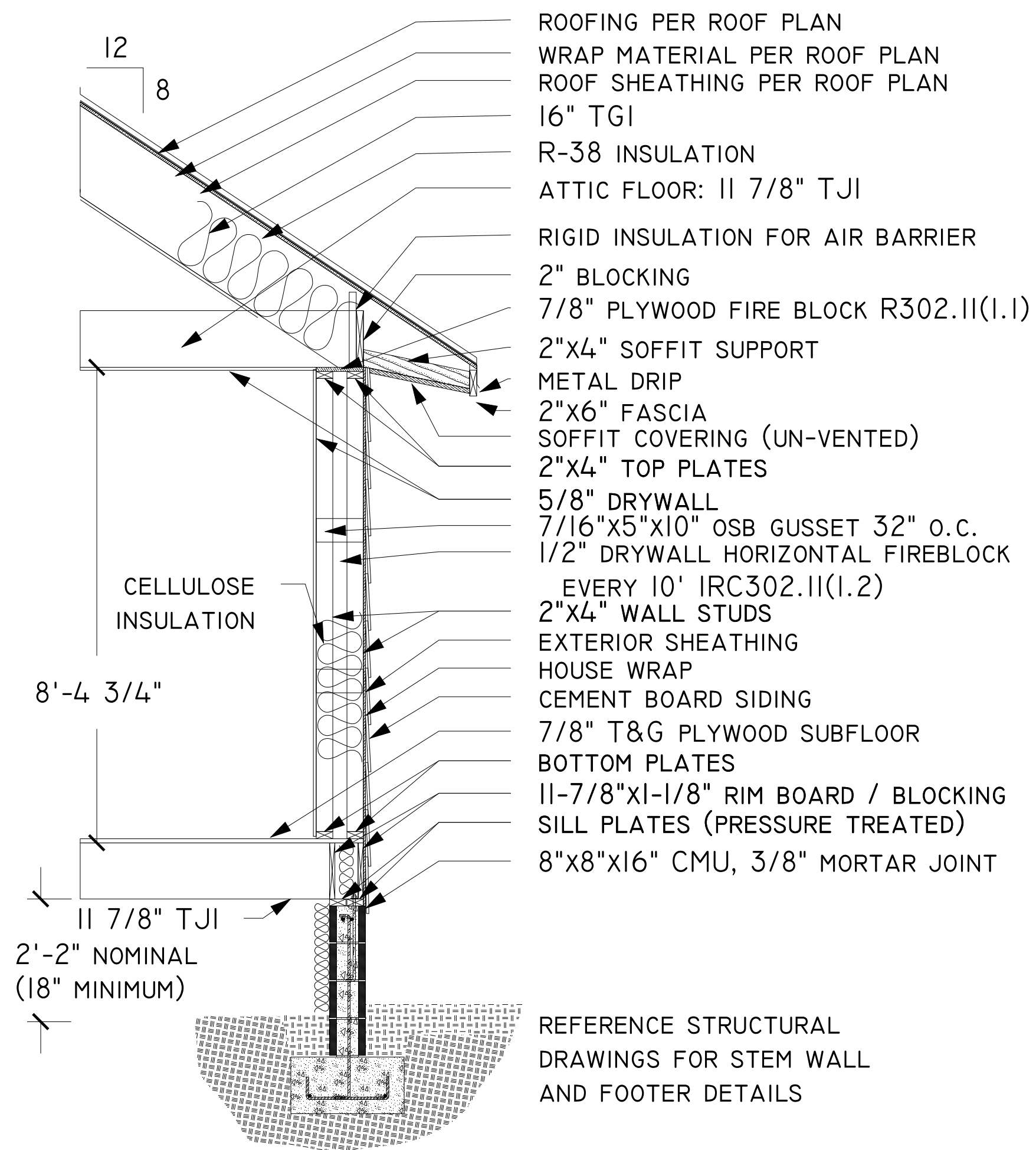
SECTION VIEWS

GOLDENSTEIN RESIDENCE  
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 DEWEY, AZ 86327

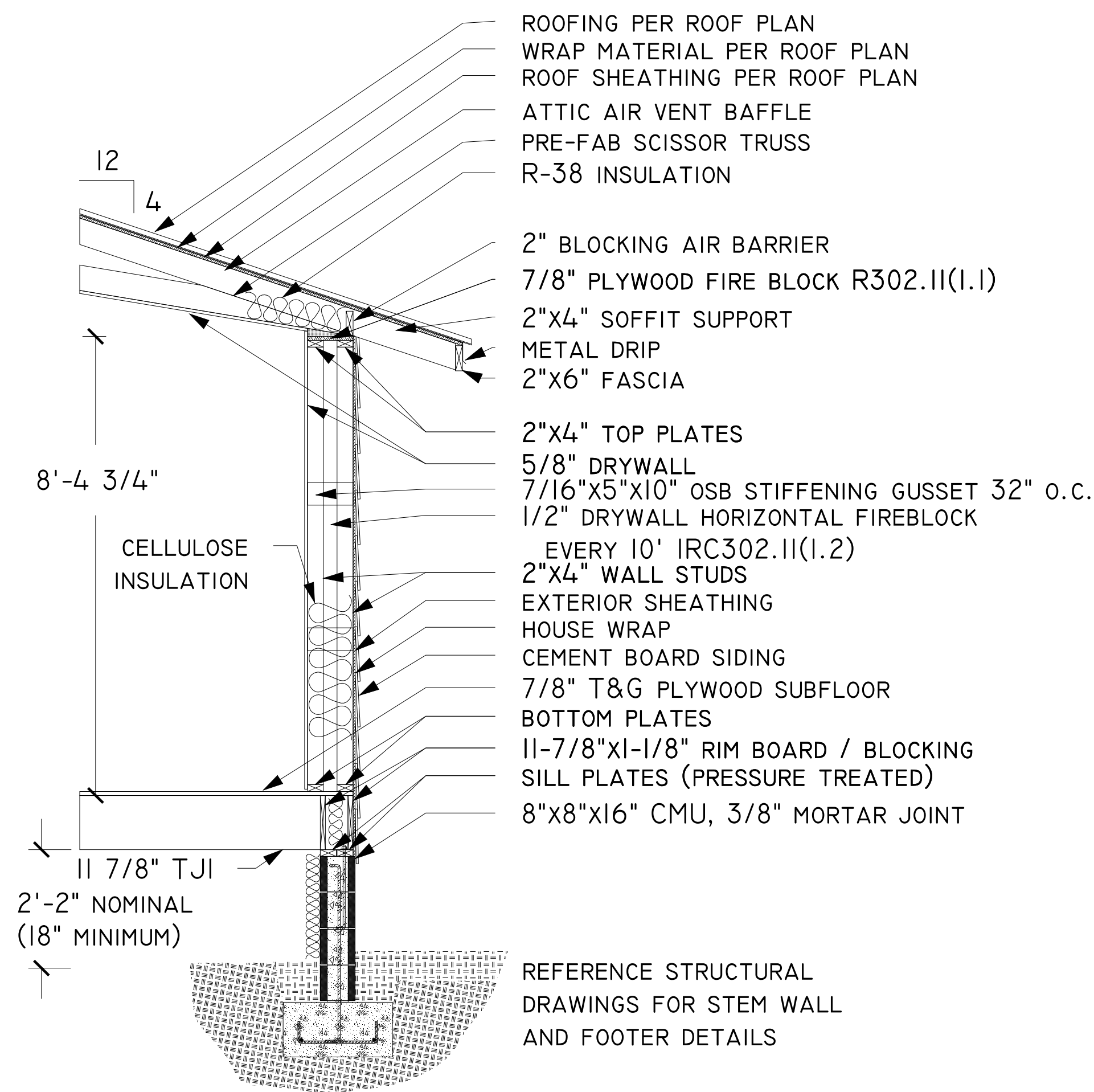
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 1/4"=1'-0"

Sheet

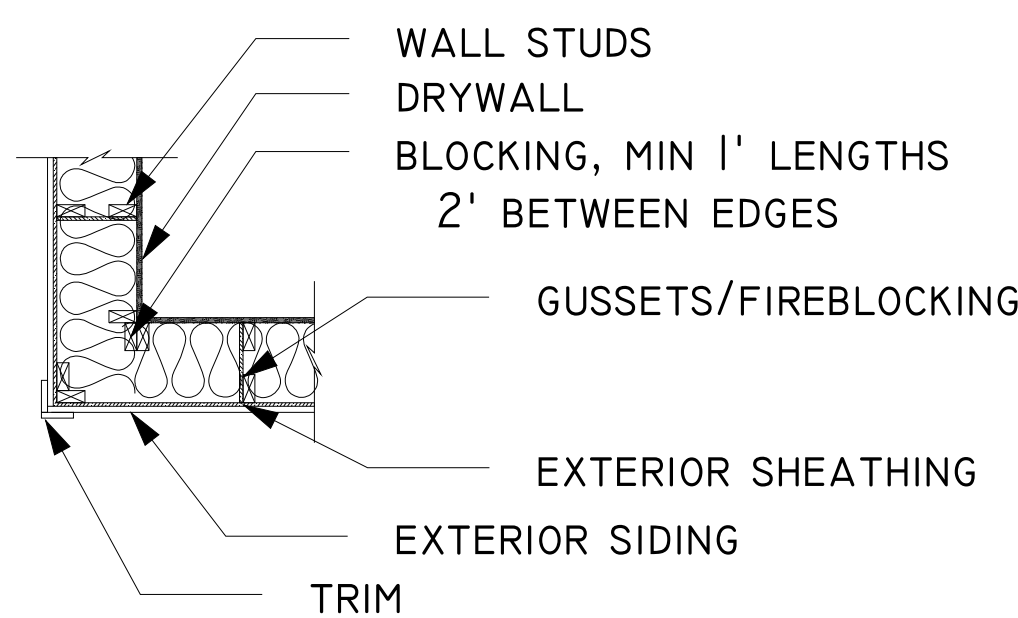
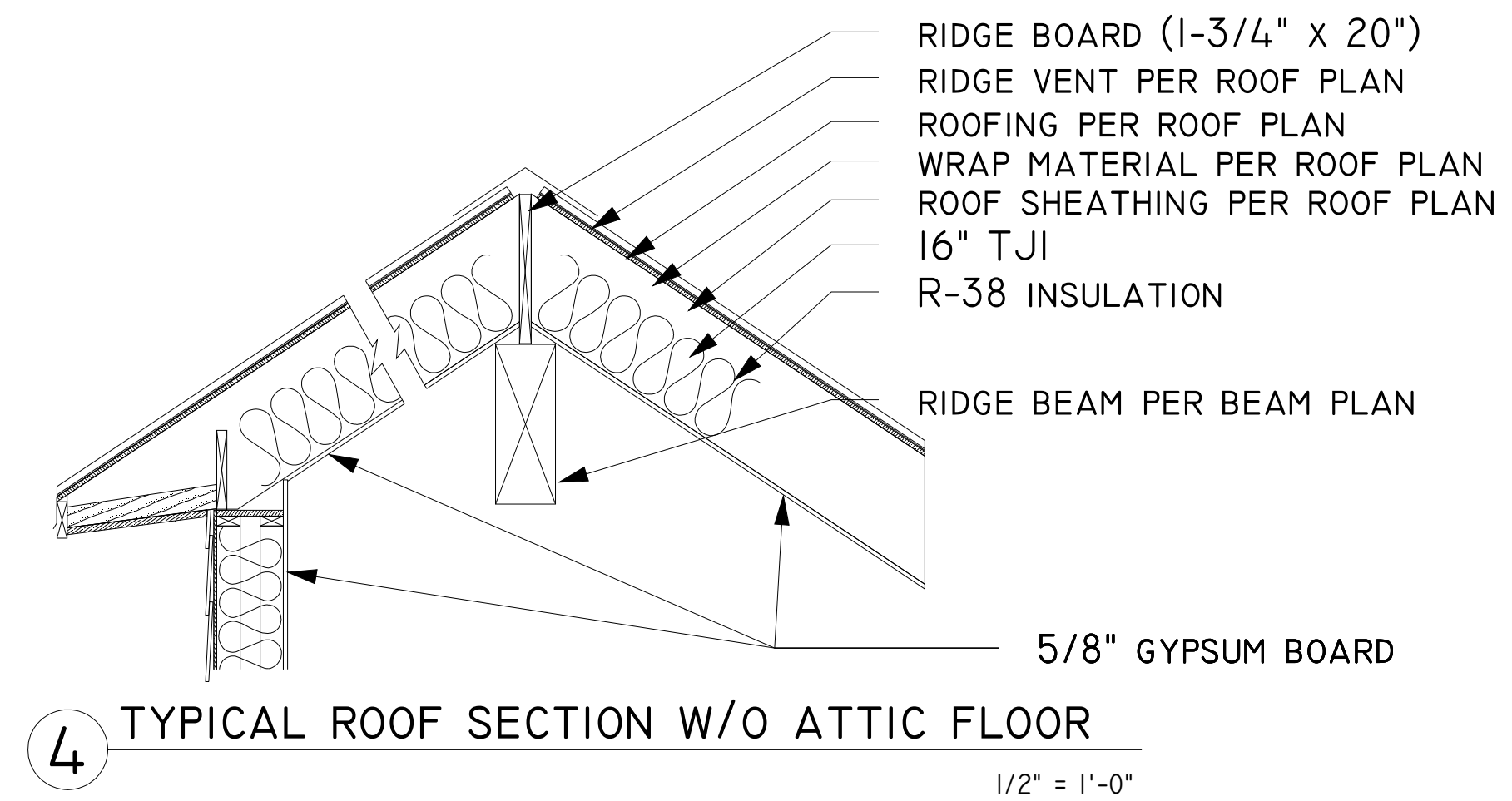
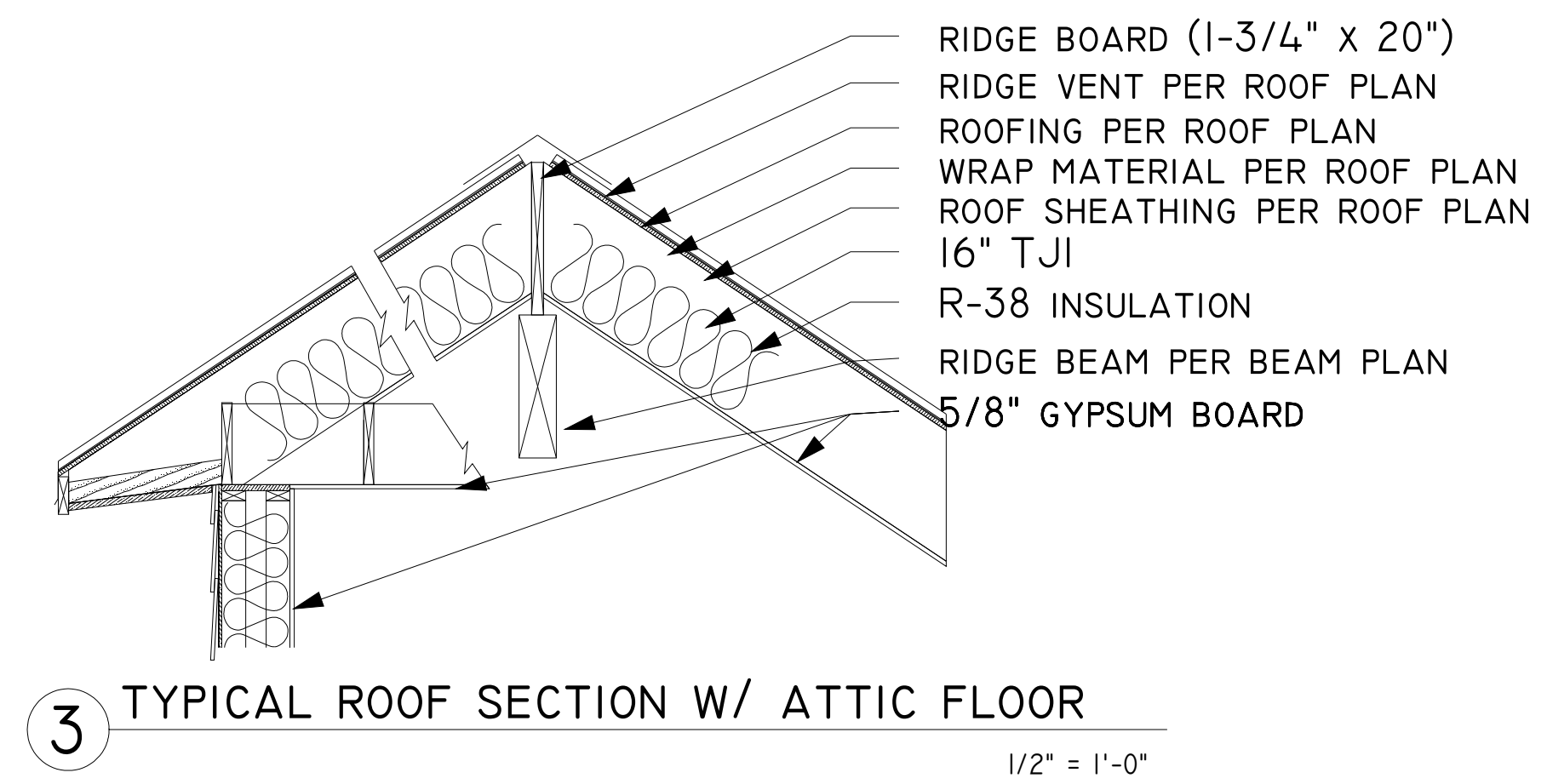
A3.03



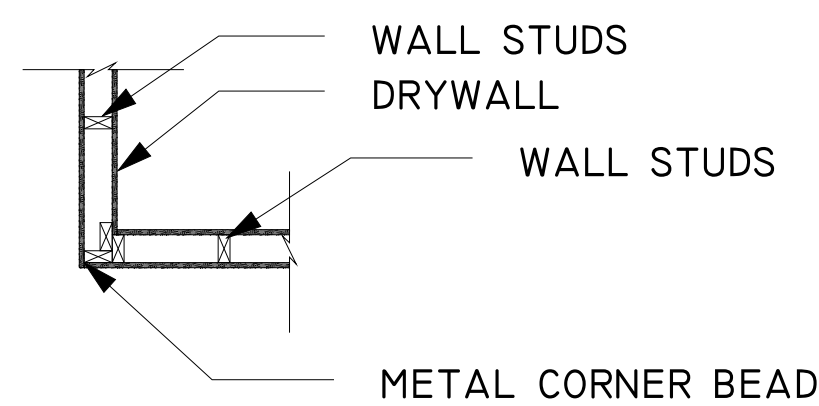
1 TYPICAL TJI WALL  
1/2" = 1'-0"



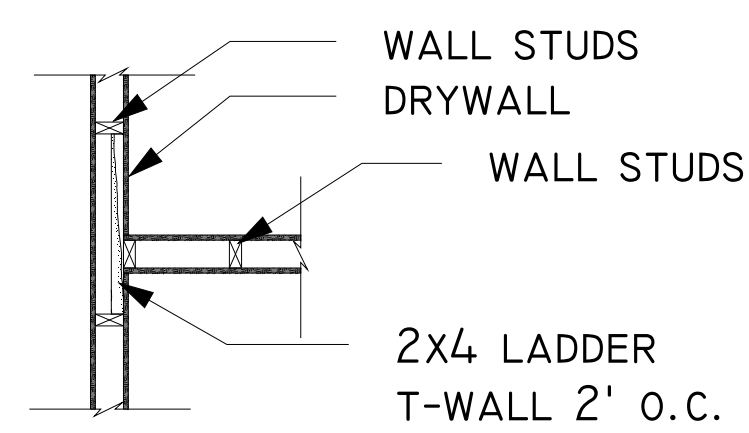
2 TYPICAL SCISSOR TRUSS WALL SECTION  
1/2" = 1'-0"



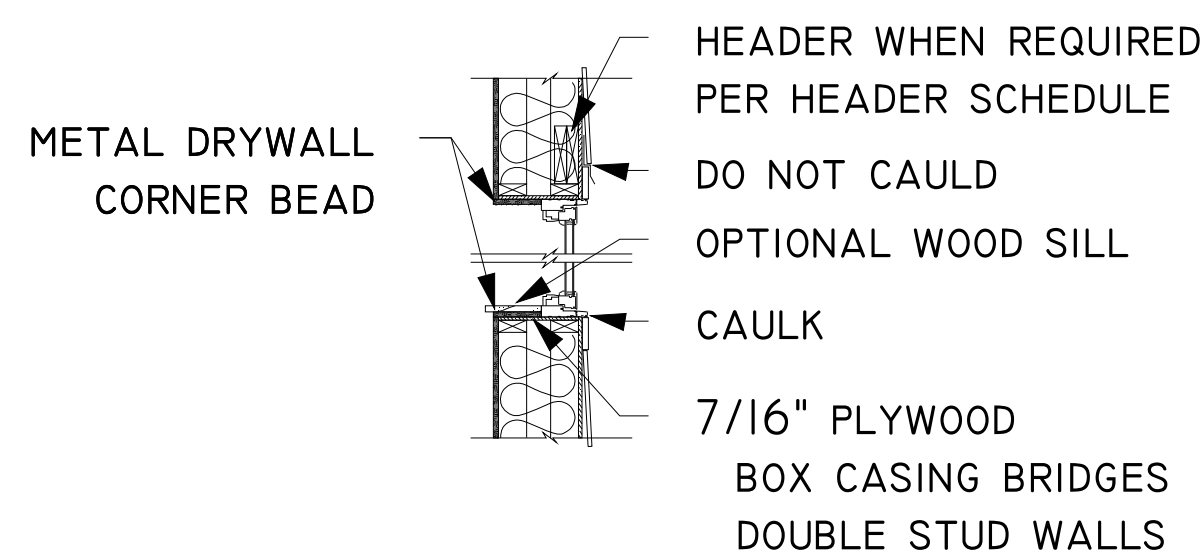
5 TYPICAL EXTERIOR WALL CORNER  
1/2" = 1'-0"



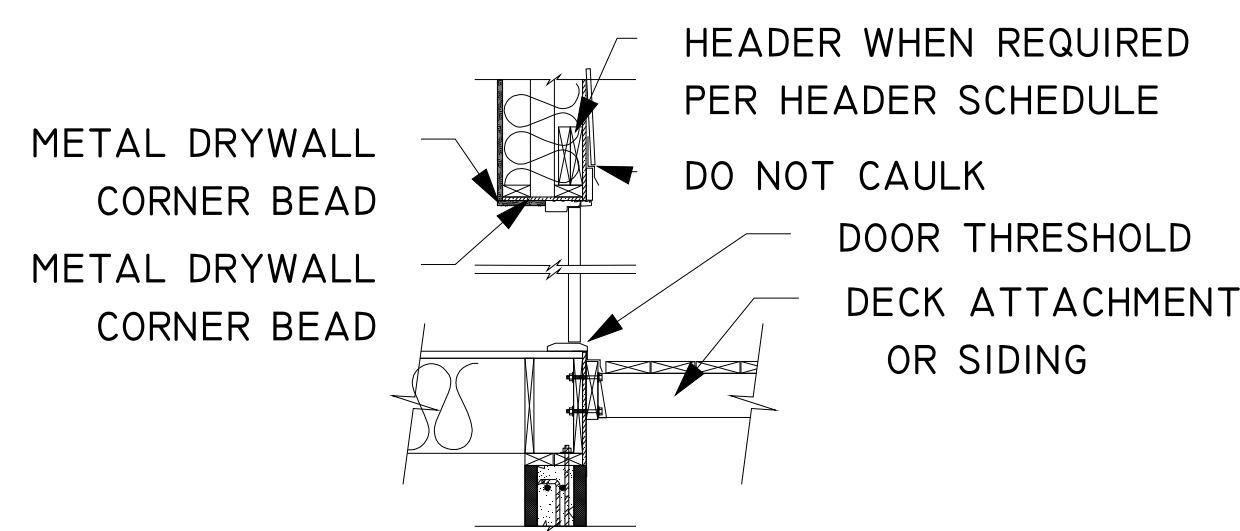
6 TYPICAL INTERIOR WALL CORNER  
1/2" = 1'-0"



7 TYPICAL WALL INTERSECTION  
1/2" = 1'-0"



8 TYPICAL WINDOW DETAIL  
1/2" = 1'-0"



9 TYPICAL EXT DOORWAY DETAIL  
1/2" = 1'-0"

10 (DRAWING OMITTED)

General Notes		
No.	Revision/Issue	Date

DETAIL VIEWS

Project Name and Address  
**GOLDENSTEIN RESIDENCE**  
10685 E ROCKY HILL RD  
DEWEY, AZ 86327

Drawn By ADAM GOLDENSTEIN	Sheet A5.01
Date 3/15/18	
Scale 1/2"=1'-0"	



JACK STUD SCHEDULE (NO POINT LOADS)	
OPENING WIDTH	STUDS REQUIRED
0'-0" TO 4'-0"	(2)2X4
4'-1" TO 5'-6"	(2)2X4
5'-7" TO 6'-5"	(2)2X4
6'-6" TO 18'-0"	SEE FLOOR PLAN

HEADER SCHEDULE (NO POINT LOADS)	
OPENING WIDTH	HEADER SIZE
0'-0" TO 4'-0"	(2)2X8
4'-1" TO 5'-6"	(2)2X10
5'-7" TO 6'-5"	(2)2X12
6'-6" TO 18'-0"	SEE FLOOR PLAN

IRC 2012 TABLE R301.2(1)											
CLIMATIC AND GEOGRAPHICAL DESIGN CRITERIA											
GROUND SNOW LOAD	SPEED (MPH)	TOPOGRAPHICAL EFFECTS_K	SEISMIC DESIGN CATEGORY_F	WEATHERING_A	FROST LINE DEPTH _B	TERMITE_C	WINTER DESIGN TEMP_E	ICE BARRIER UNDERLAYMENT REQUIRED_H	FLOOD HAZARDS_H	AIR FREEZING INDEX_I	MEAN ANNUAL TEMP_J
50PSF	90 EXP C	TBD	C	NEGLIGIBLE	18"	TBD	TBD	NO	TBD	TBD	TBD

FOR SI: 1 POUND PER SQUARE FOOT = 0.0479 kPa, 1 MILE PER HOUR = 0.447 m/s.  
 A. WEATHERING MAY REQUIRE A WEATHER STRONGER CONCRETE OR GRADE OF MASONRY THAN NECESSARY TO SATISFY THE STRUCTURAL REQUIREMENTS OF THIS CODE. THE WEATHERING COLUMN SHALL BE FILLED IN WITH THE WEATHERING INDEX (I.E., "NEGLECTABLE," "MODERATE" OR "SEVERE") FOR CONCRETE AS DETERMINED FROM THE WEATHERING PROBABILITY MAP [FIGURE R301.2(1)]. THE GRADE OF MASONRY UNITS SHALL BE DETERMINED FROM ASTM C 33, C 55, C 62, C 75, C 90, C 129, C 145, C 216 OR C 652.  
 B. THE FROST LINE DEPTH MAY REQUIRE DEEPER FOOTINGS THAN INDICATED IN FIGURE R301.2(1). THE JURISDICTION SHALL INDICATE THE MINIMUM DEPTH OF FOOTING BELOW FINISH GRADE.  
 C. THE JURISDICTION SHALL FILL IN THIS PART OF THE TABLE TO INDICATE THE NEED FOR PROTECTION DEPENDING ON WHETHER THERE HAS BEEN A HISTORY OF LOCAL SUBTERRANEAN TERMITE DAMAGE.  
 D. THE JURISDICTION SHALL FILL IN THIS PART OF THE TABLE WITH THE WIND SPEED FROM THE BASIC WIND SPEED MAP [FIGURE R301.2(1)]. WIND EXPOSURE CATEGORY SHALL BE DETERMINED FROM SECTION R301.2.1.4.  
 E. THE OUTDOOR DESIGN DRY-BULB TEMPERATURE SHALL BE SELECTED FROM THE COLUMN OF 97.2-PERCENT VALUES FOR WINTER FROM APPENDIX D OF THE INTERNATIONAL PLUMBING CODE. DEVIATIONS FROM THE APPENDIX D TEMPERATURES SHALL BE PERMITTED TO REFLECT LOCAL CLIMATES OR LOCAL WEATHER EXPERIENCE AS DETERMINED BY THE BUILDING OFFICIAL.  
 F. THE JURISDICTION SHALL FILL IN THIS PART OF THE TABLE WITH THE SEISMIC DESIGN CATEGORY (DETERMINED FROM SECTION R301.2.2.1).  
 G. THE JURISDICTION SHALL FILL IN THIS PART OF THE TABLE WITH (A) THE DATE OF THE JURISDICTION'S ENTRY INTO THE NATIONAL FLOOD INSURANCE PROGRAM (DATE OF ADOPTION OF THE FIRST CODE OR ORDINANCE FOR MANAGEMENT OF FLOOD HAZARD AREAS), (B) THE DATE(S) OF THE FLOOD INSURANCE STUDY AND (C) THE PANEL NUMBERS AND DATES OF ALL CURRENTLY EFFECTIVE FURFS AND FIRFHS OR OTHER FLOOD HAZARD MAPS ADOPTED BY THE AUTHORITY HAVING JURISDICTION. AS APPLICABLE.  
 H. IN ACCORDANCE WITH SECTIONS R902.2.7, R902.2.8, R902.5.3, R902.5.3.1, R902.5.3.1.1, R902.5.3.1.2, R902.5.3.1.3 AND R902.5.3.1.4 WHERE THERE HAS BEEN A HISTORY OF LOCAL DAMAGE FROM THE EFFECTS OF ICE DAMPING, THE JURISDICTION SHALL FILL IN THIS PART OF THE TABLE WITH "YES," OTHERWISE, THE JURISDICTION SHALL FILL IN THIS PART OF THE TABLE WITH "NO."  
 I. THE JURISDICTION SHALL FILL IN THIS PART OF THE TABLE WITH THE 100-YEAR RETURN PERIOD AIR FREEZING INDEX (BFF-DAYS) FROM FIGURE R403.3(2) OR FROM THE 100-YEAR (99 PERCENT) VALUE ON THE NATIONAL CLIMATIC DATA CENTER DATA TABLE "AIR FREEZING INDEX-USA METHOD (BASE 32°F)" AT WWW.NOAA.GOV/FIPS/HTML.  
 J. THE JURISDICTION SHALL FILL IN THIS PART OF THE TABLE WITH THE MEAN ANNUAL TEMPERATURE FROM THE NATIONAL CLIMATIC DATA CENTER DATA TABLE "AIR FREEZING INDEX-USA METHOD (BASE 32°F)" AT WWW.NOAA.GOV/FIPS/HTML.  
 K. IN ACCORDANCE WITH SECTION R301.2.1.4, WHERE THERE IS LOCAL HISTORICAL DATA INDICATING STRUCTURAL DAMAGE TO BUILDINGS DUE TO TOPOGRAPHIC WIND SPEED-UP EFFECTS, THE JURISDICTION SHALL FILL IN THIS PART OF THE TABLE WITH "YES," OTHERWISE, THE JURISDICTION SHALL INDICATE "NO" IN THIS PART OF THE TABLE.

GENERAL NOTES
1. ALL WORK SHALL CONFORM TO THE 2012 INTERNATIONAL RESIDENCE CODE WITH LOCAL AMENDMENTS AS ADOPTED BY THE LOCAL BUILDING DEPARTMENT HAVING JURISDICTION. 2. OMISSIONS OR CONFLICTS BETWEEN ELEMENTS OF THE DRAWINGS, DETAILS OR NOTES ARE TO BE BROUGHT TO THE ATTENTION OF THE DESIGNER /DRAFTSMAN IMMEDIATELY OR WHEN THEY HAVE BECOME KNOWN AND WITH THE EXISTENCE OF SAID CONFLICTS OR OMISSIONS, THE GREATER REQUIREMENT SHALL GOVERN. 3. ALL MATERIALS AND EQUIPMENT ARE TO BE INSTALLED ACCORDING THE THE MANUFACTURERS' LITERATURE, SPECIFICATIONS AND/OR INSTRUCTIONS. 4. ALL BEDROOMS SHALL HAVE UNIMPEDDED EMERGENCY EGRESS/ACCESS VIA AN EXTERIOR DOORWAY OR EGRESS WINDOW WHERE THE MINIMUM OPENING SIZE IS 5.7 FT <sup>2</sup> , MINIMUM OPENING HEIGHT IS 24", AND MEETING ALL REQUIREMENTS OF IRC SECTION R310. 5. PROVIDE SMOKE DETECTORS ON SEPARATE ELECTRICAL CIRCUITS WITH BATTERY BACKUPS PER IRC SECTION R317 6. ALL HABITABLE AREAS SHALL BE HEATED TO MAINTAIN A MINIMUM OF 68 DEGREES F PER IRC SECTION R303.6 7. PROVIDE TERMITE TREATMENT PER STATE REQUIREMENTS AND IRC SECTION R324. DO NOT DISTURB AFTER APPLICATION AND RETREAT IF CONCRETE IS NOT POURED WITHIN 12 HOURS 8. PROVIDE 1 HOUR FIRE RESISTIVE WALL CONSTRUCTION CONSISTING OF 1 LAYER OF 1/2" OR GREATER TYPE 'X' GYPSUM WALL BOARD AT GARAGE WALLS COMMON TO LIVING AREA FROM SOLE PLATE TO GARAGE CEILING LID; PROVIDE 2 LAYERS OF 1/2" OR GREATER TYPE C WHEN TJI/LPL'S ON 24" O.C. ARE USED. 9. GLASS OR GLAZING IN HAZARDOUS AREAS, DEFINED AS BEING WITHIN 24" OF DOORS OR 18" OFF FLOORS AND OTHER APPLICATIONS IS TO BE TEMPERED OR SAFETY GLASS PER IRC SECTION R308.4 10. WHEN GYPSUM WALL BOARD IS USED IN TUB/SHOWER AREAS A MOISTURE RATED PRODUCT SHALL BE USED TO A MINIMUM OF 72" ABOVE TUB/SHOWER DRAINS. 11. ALL BUILDING JOINTS, SEAMS PENETRATIONS, AND OTHER SOURCES OF AIR LEAKAGE THROUGH THE BUILDING THERMAL ENVELOPE SHALL BE CAULKED, WEATHER STRIPPED, WRAPPED OR OTHERWISE SEALED TO LIMIT UNCONTROLLED AIR MOVEMENT. 12. INSULATION SHALL BE PER PLAN. IF INSULATION OF ANY PORTION OF THE THERMAL ENVELOPE IS NOT SHOWN IT SHALL BE INSULATED WITH A MINIMUM AS FOLLOWS: R-19 WALLS, R-10 STEM WALLS, AND R-38 CEILING.

FOUNDATION NOTES
1. ALL FOOTINGS SHALL REST ON NATURAL UNDISTURBED SOIL, OR ON ENGINEERED CONTROLLED FILL AND SHALL EXTEND A MINIMUM OF 18" BELOW THE FROST LINE / FINISHED GRADE. 2. DESIGN SOIL BEARING: 1500 PSI ASSUMED UNLESS OTHERWISE NOTED. ANY QUESTIONS REGARDING COMPOSITION OR BEARING CAPACITY OF THE SOIL SHALL BE ADDRESSED BY THE OWNER AND/OR CONTRACTOR. IN THE EVENT OF UNSTABLE CONDITIONS A LICENSED ENGINEER WILL BE CONSULTED. 3. ALL VEGETATION AND FOREIGN OBJECTS SHALL BE REMOVED BEFORE PRIOR TO THE PLACEMENT OF FOOTINGS, SLAB OR OTHER UNDERGROUND INSTALLATIONS. 4. ALL COMPACTION PROCEDURES IN NATURAL GROUND OR ENGINEERED FILL WHICH THE BEARING WEIGHT OF A STRUCTURE RESTS ON SHALL PROVIDE FOR A MINIMUM OF 95% DENSITY, WITH VERIFICATION BY A SOILS REPORT FROM A LICENSED SOILS LABORATORY. SLABS FOR PORCHES, GARAGES, AND DRIVEWAYS SHALL BE COMPACTED BY A PROCESS TO ACHIEVE 95% DENSITY AND VERIFICATION BY A SOILS REPORT IS AT THE DISCRETION OF THE OWNER. 5. ALL CONCRETE WORK SHALL HAVE A MINIMUM COMPREHENSIVE STRENGTH AS OUTLINED IN IRC TABLE R402.2.2 AND AC308. QUALITY OF ASSURANCE AND CONTROL OF ALL CONCRETE WORK IS TO CONFORM TO CURRENT ACI SPECIFICATIONS. 6. CONCRETE SLABS AND OTHER FLAT WORK SHALL BE GIVEN A MINIMUM 72 HOURS CURING TIME PRIOR TO ANY FORM OF LOADING AND 28 DAYS MINIMUM OF 28 DAYS BEFORE VEHICULAR TRAFFIC. 7. INTERIOR CONCRETE SLABS ARE TO BE TROWELED SMOOTH, EXTERIOR BROOM FINISHED AT EXPOSED AREAS UNLESS OTHERWISE NOTED. 8. ALL CONCRETE MATERIAL SHALL HAVE A MINIMUM CEMENT CONTENT OF 5 SACKS PER YD <sup>3</sup> , MINIMUM 2,500 PSI AND CONFORM TO ASTM C150 TYPE II. AGGREGATE SHALL CONFORM TO ASTM C33. SLUMP TESTING SHALL NOT EXCEED 4" AND WATER MAY NOT BE ADDED AT THE JOB SITE. CONCRETE THAT HAS BEEN DELIVERED AND IN TRUCKS, ON THE JOB SITE FOR MORE THAN 1/2 HOUR WILL NOT BE ACCEPTED. 9. CONCRETE IS TO BE PLACED IN ITS FINAL POSITION AND NOT MOVED OR ALTERED THEREAFTER. APPLY MECHANICAL VIBRATION AT DUCTS OR OTHER STRUCTURES AS NEEDED TO ENSURE COMPLETE PLACEMENT.

MASONRY NOTES
1. ALL MASONRY SHALL CONFORM TO THE IRC SECTION R606. 2. CONCRETE MASONRY UNITS SHALL BE HOLLOW, LOAD BEARING, AND CONFORM TO AST C90, TYPE I WITH A MINIMUM COMPRESSIBLE STRENGTH OF 1,350 PSI AT 28 DAYS. 3. MASONRY GROUT SHALL CONFORM TO ASTM C476 COURSE GROUT. HOLLOW MASONRY UNITS CONTAINING STEEL REINFORCEMENT SHALL BE FILLED SOLID WITH GROUT TO LAYERS OR HEIGHTS AS PRESCRIBED BY CODE, WITH SPECIAL INSPECTIONS IF NECESSARY. 4. REINFORCING STEEL SHALL BE PER PLAN AND AT MINIMUM CONFORM TO ASTM GRADE 40, BE CONTINUOUSLY LAPPED 40 DIAMETERS, VERTICALS AT 48" ON CENTER AND ONE VERTICAL REINFORCING, FULL HEIGHT BAR AT ALL WINDOW AND DOOR JAMBS, EACH SIDE OF EXPANSION JOINTS, WALL CORNERS, WALL ENDS, OR AS INDICATED ON THE DRAWINGS.

FRAMING NOTES
1. FRAMING PLANS INDICATE STRUCTURAL CONDITIONS ONLY AND NOT METHODS OF CONSTRUCTION. INSTALL BLOCKING, BRACING, AND ADDITIONAL MEMBERS AS REQUIRED BY CODE, WHETHER CALLED OUT IN THE DRAWING OR NOT. PROVIDE OR REPLACE NAILERS, BACKING OR OTHER MEMBERS AS NEEDED FOR WALLBOARD, ROOFING, PLUMBING, MECHANICAL AND ELECTRICAL AND OTHER ACCESSORY INSTALLATIONS. REPLACE BENT, BOWED OR DEFECTIVE MEMBERS, LEVEL OR RE-LEVEL WALLS, FOOR AND WINDOW JAMBS PRIOR TO WALLBOARD, AND MEMBERS ALTERED OR DAMAGED BY OTHER TRADES. 2. PLYWOOD SHEATHING SHALL BE CDX (CCX WHEN EXPOSED) OR OSB, THICKNESS PER PLANS AND SHALL BEAR THE STAMP OF AN APPROVED GRADING AGENCY. 3. ALL EXTERIOR WALLS SHALL BE SHEATHED CONTINUOUSLY REGARDLESS OF MINIMUM BRACED WALL REQUIREMENTS. 4. SIL PLATES SHALL BE PRESSURE TREATED AND BE TERMITE, FUNGUS, AND DECAY RESISTANT. 5. ALL FRAMING LUMBER SHALL BE IN SERVICEABLE CONDITION AND CONFORM TO THE LATEST MANUAL EDITION OF WESTERN WOOD PRODUCTS ASSOCIATION OR THE WEST COAST LUMBER INSPECTIONS BUREAU. ALL SAWN LUMBER SHALL BE GRADE STAMPED WITH THE MARK OF AN APPROVED GRADING AGENCY ALL FRAMING LUMBER SHALL BE DOUGLAS FIR LARCH OF THE FOLLOWING GRADES WITH THE MINIMUM PROPERTIES: JOISTS NO. 2 BEAMS 4" WIDTH: NO. 2 LEDGERS AND TOP PLATES: NO. 2 2X4 AND 2X6 STUDS: NO. 2 POSTS, 4X4 NO. 2 POSTS 4X6 AND LARGER: NO. 1 6. MANUFACTURED BEAMS ARE TO BE DOUGLAS FIR OR EQUAL AND ARE TO INCLUDE ALL NECESSARY APPURTENANCES AND MATERIAL AND HARDWARE FOR ANCHORAGES, BRIDGING, BRACING, AND SPLICES IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, WHETHER CALLED OUT ON THE DRAWINGS OR NOT. 7. PROVIDE POSITIVE METAL CONNECTORS PROVIDING FOR ANCHORAGE AND REINFORCEMENT OF ALL STRUCTURAL MEMBERS FROM FOUNDATION THROUGH TO THE TOP OF THE STRUCTURE FOR UPLIFTING AND LATERAL MOVEMENT AS DETAILED IN THE PLANS AND FOR ANY PLACE IN CASE OF OMISSION. DESIGN LOADS: ROOF: DEAD: 15PSF, LIVE: 20 PSF, SNOW: 30 PSF FLOOR: DEAD: 15 PSF, LIVE LOAD 40 PSF WIND: 90 MPH

GENERAL FASTENER NOTES
1. ALL NAILS ARE SMOOTH-COMMON, BOX OR DEFORMED SHANKS EXCEPT WHERE OTHERWISE STATED. NAILS USED FOR FRAMING AND SHEATHING CONNECTIONS SHALL HAVE A MINIMUM AVERAGE BENDING YIELD STRENGTH AS SHOWN: 80SI FOR SHANK DIAMETER OF 0.192 INCH (200 COMMON NAIL), 90SI FOR SHANK DIAMETERS LARGER THAN 0.142 INCH BUT NOT LARGER THAN 0.177 INCH, AND 100KS FOR SHANK DIAMETERS OF 0.142 INCH OR LESS. 2. NAILS SHALL BE SPACED AT NOT MORE THAN 6 INCHES ON CENTER AT ALL SUPPORTS WHERE SPANS ARE 48 INCHES OR GREATER. 3. NAILS ATTACHING WOOD STRUCTURAL PANEL ROOF SHEATHING TO INTERMEDIATE SUPPORTS SHALL BE SPACED 6 INCHES ON CENTER FOR A MINIMUM 48-INCH DISTANCE FROM RIDGES, GAVES, AND CABLE END WALLS, AND 4 INCHES ON CENTER TO CABLE END WALL FRAMING. 4. UNLESS OTHERWISE NOTED ATTACHMENTS VIA BRACKETS, HANGERS, ETC SHALL FOLLOW THE MANUFACTURERS FASTENER SCHEDULE FOR THE MINIMUM DESIGN LOAD OR BETTER. 5. IN CASE OF A CONTRADICTION OF THE GENERAL FASTENER SCHEDULE AND FASTENER REQUIRED BY A DETAIL DRAWING OR CALL OUT, THE CALL OUT OR DETAIL DRAWING SHALL TAKE PRECEDENCE UNLESS IT RESULTS IN A INFERIOR CONNECTION.

FASTENER SCHEDULE: GENERAL STRUCTURAL MEMBERS			
LINE	CONNECTION	FASTENER	LOCATION
1	JOIST TO SILL OR GIRDER	3-8D	TOENAIL
2	BRIDGING TO JOIST	2-8D	TOENAIL EACH END
3	SOLE PLATE TO JOIST OR BLOCKING	16D AT 16" O.C.	TYPICAL FACE NAIL
4	SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANEL	3-16D AT 16" O.C.	BRACED WALL PANEL
5	TOP PLATE TO STUD	2-16D	END NAIL
6	STUD TO SOLE PLATE	4-8D / 2-16D	TOENAIL / END NAIL
7	DOUBLE STUDS	16D AT 24" O.C.	FACE NAIL
8	DOUBLE TOP PLATES	16D AT 16" O.C.	TYPICAL FACE NAIL
9	DOUBLE TOP PLATES 24" OFFSET OF END JOINTS	8-16D	FACE NAIL IN LAPPED AREA
10	BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	3-8D	TOENAIL
11	RIM JOIST TO TOP PLATE	8D AT 6" O.C.	TOENAIL
12	TOP PLATE, LAPS, CORNERS AND INTERSECTIONS	2-16D	FACE NAIL
13	CONTINUOUS HEADER, TWO PIECES	16D	16" O.C. ALONG EDGE
14	CONTINUOUS HEADER TO STUD	4-8D	TOENAIL
15	RAFTER TO PLATE	3-8D	TOENAIL
16	BUILT-UP CORNER STUDS	16D	24" O.C.
17	BUILT-UP GIRDER AND BEAMS	20D 32" O.C. 8 2-20D	FACE NAIL 32" O.C. STAGGERED 8 FACE NAIL AT ENDS AND SPLICES
18	JOIST TO BAND JOIST	3-16D	FACE NAIL

FASTENER SCHEDULE: WOOD STRUCTURAL PANELS, SUBFLOOR, ROOF AND INTERIOR WALL SHEATHING TO FRAMING				
LINE	PANEL THICKNESS	FASTENER	SPACING (EDGE)	SPACING (FIELD)
1	3/8"-1/2"	6D (SUB-FLOOR WALL), 8D (ROOF)F	6"	12"G
2	1/2"-1"	8D	6"	12"G
3	1 1/8"- 1 1/4"	10D	6"	12"

FASTENER G				
LINE	PANEL THICKNESS	FASTENER	SPACING (EDGE)	SPACING (FIELD)
1	5/8"	1 5/8" DRYWALL SCREWS	7"	7"

DOOR SCHEDULE						
<input type="checkbox"/> WIDTH	HEIGHT	TRANS	HDWR SET	U.L LABEL	CONSTRUCTION	NOTES
1	3'-0"	6'-8"	?	ENTRY	N/A	- MSTR EXTERIOR CONVENTIONAL HINGED DOOR
2	5'-10"	6'-8"	?	ENTRY	N/A	VINYL/GLASS EXTERIOR FRENCH DOOR
3	3'-0"	6'-8"	0'-0"	PASSAGE	N/A	- BATHROOM POCKET DOOR
4	3'-0"	6'-8"	?	ENTRY	?	- GARAGE CONVENTIONAL HINGED DOOR
5	3'-0"	6'-8"	0'-0"	PRIVACY	N/A	- BATHROOM CONVENTIONAL HINGED DOOR
6	3'-0"	6'-8"	?	ENTRY	?	- GARAGE CONVENTIONAL HINGED DOOR
7	3'-0"	6'-8"	0'-0"	PRIVACY	N/A	- BEDROOM CONVENTIONAL HINGED DOOR
8	12'-0"	6'-8"	?	ENTRY	N/A	VINYL/GLASS PATIO BI-PARTING SLIDING DOOR
9	3'-0"	6'-8"	0'-0"	PRIVACY	N/A	- BEDROOM CONVENTIONAL HINGED DOOR
10	10'-0"	8'-0"	?	GARAGE	N/A	PANEL GARAGE W/ REMOTE OPENER
11	18'-0"	8'-0"	?	GARAGE	N/A	PANEL GARAGE W/ REMOTE OPENER
12	6'-0"	6'-8"	0'-0"	PASSAGE	N/A	- STUDY FRENCH DOOR
13	4'-0"	6'-8"	0'-0"	PASSAGE	N/A	- HALLWAY FRENCH DOOR
14	3'-0"	6'-8"	0'-0"	PRIVACY	N/A	- BEDROOM CONVENTIONAL HINGED DOOR
15	2'-8"	6'-8"	0'-0"	PRIVACY	N/A	- SHOWER POCKET DOOR
16	3'-0"	6'-8"	0'-0"	PRIVACY	N/A	- BATHROOM CONVENTIONAL HINGED DOOR
17	4'-8"	6'-8"	0'-0"	PASSAGE	N/A	- CLOSET BI-FOLD DOOR
18	2'-8"	6'-8"	0'-0"	PRIVACY	N/A	- WATER CLOSET CONVENTIONAL HINGED DOOR
19	4'-8"	6'-8"	0'-0"	PASSAGE	N/A	- CLOSET BI-FOLD DOOR
20	3'-0"	6'-8"	0'-0"	PRIVACY	N/A	- BEDROOM CONVENTIONAL HINGED DOOR
21	3'-0"	6'-8"	0'-0"	PRIVACY	N/A	- BEDROOM CONVENTIONAL HINGED DOOR
22	4'-8"	6'-8"	0'-0"	PASSAGE	N/A	- CLOSET BI-FOLD DOOR
23	3'-0"	6'-8"	0'-0"	ENTRY	?	- GARAGE CONVENTIONAL HINGED DOOR
24	2'-4"	6'-8"	0'-0"	PASSAGE	N/A	- PANTRY CONVENTIONAL HINGE DOOR
25	3'-0"	6'-8"	0'-0"	PASSAGE	N/A	- UTILITY RM POCKET DOOR
26	2'-6"	6'-8"	0'-0"	PASSAGE	N/A	- BATHROOM CONVENTIONAL HINGE DOOR
27	2'-6"	6'-8"	0'-0"	PASSAGE	N/A	- BATHROOM CONVENTIONAL HINGE DOOR
28	3'-0"	6'-8"	?	ENTRY	N/A	- FRONT CONVENTIONAL HINGE DOOR
A1	-	-	-	-	-	(OMITTED)
A2	4'-8"	3'-0"	0'-0"	PASSAGE	N/A	- ATTIC ACCESS DOOR FOR HRV

WINDOW SCHEDULE							
#	WIDTH (IN)	HEIGHT (IN)	FRAME	HEAD HEIGHT (IN)	U-VALUE	TEMPERED	NOTES
A	72	48	VINYL	6'-8"	-	N	MSTR BD GLIDER
B	120	48	VINYL	6'-8"	-	N	LVRM GLIDER
C	42	60	VINYL	6'-8"	-	Y	MSTR BD FIXED
D	42	60	VINYL	6'-8"	-	Y	MSTR BD FIXED
E	42	24	VINYL	6'-8"	-	Y	MSTR BATH GLIDER
F	18	48	VINYL	6'-8"	-	Y	MSTR BATH GLIDER
G	48	48	VINYL	6'-8"	-	Y	MSTR BATH GLIDER
H	48	48	VINYL	6'-8"	-	N	BEDROOM GLIDER
I	48	48	VINYL	6'-8"	-	N	BEDROOM GLIDER
J	48	48	VINYL	6'-8"	-	N	BEDROOM GLIDER
K	48	48	VINYL	6'-8"	-	N	BEDROOM GLIDER
L	96	48	VINYL	6'-8"	-	N	STUDY GLIDER
M	18	48	VINYL	6'-8"	-	N	FOYER FIXED
N	18	48	VINYL	6'-8"	-	Y	FOYER FIXED
O	18	48	VINYL	6'-8"	-	Y	BATHROOM FIXED
P	48	48	VINYL	6'-8"	-	N	UTILITY GLIDER
Q	48	48	VINYL	6'-8"	-	N	GARAGE GLIDER
2A	36	36	VINYL	12'-2"	-	Y	LOFT S GLIDER
2B	36	36	VINYL	12'-2"	-	Y	LOFT S GLIDER
2C	36	36	VINYL	16'-2"	-	Y	LOFT S GLIDER
2D	36	36	VINYL	12'-2"	-	Y	LOFT S GLIDER
2E	36	36	VINYL	16'-2"	-	Y	LOFT S GLIDER
2F	36	36	VINYL	16'-2"	-	Y	LOFT S GLIDER
2G	36	36	VINYL	16'-2"	-	Y	ATTIC E GLIDER
2H	36	36	VINYL	16'-2"	-	Y	ATTIC E GLIDER
2I	48	48	VINYL	16'-2"	-	Y	LOFT N GLIDER
2J	48	48	VINYL	16'-2"	-	Y	LOFT N GLIDER
2K	48	48	VINYL	16'-2"	-	Y	ATTIC W GLIDER
2L	48	48	VINYL	16'-2"	-	Y	ATTIC W GLIDER

General Notes		
No.	Revision/Issue	Date

Sheet Title  
 DOOR, WINDOW AND FASTENER SCHEDULES

Project Name and Address  
 GOLDENSTEIN RESIDENCE  
 10685 E ROCKY HILL RD  
 DEWEY, AZ 86327

Drawn By ADAM GOLDENSTEIN Date 3/15/18 Scale 1/2"=1'-0"	Sheet <b>A5.02</b>
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See simpson catalog 958 for SSTB anchor bolts.  
Should I do a bond beam in top row of CMUs or second from top per simpson? If the later need to update all drawings.

Per another plan it called for: "provide fibre/asphalt impregnated expansion control material between flatworks and vertical element by cuts and expansion or control joints 2' to 15' each way"

Tom said they are not putting something in concrete unless you ask for it down in tucson. What is it? Fly ash? Do I need it?

Do I need control joints between porch column footing and cement patio? Also do I need this between stem wall and garage floor? If so need to update detail drawings.

NOTES

- TREAT THE GROUND FOR TERMITES BEFORE POURING CONCRETE.
- CMU BLOCK STEMWALL SHALL BE 4 CMUS TALL AT NORTH WEST CORNER OF HOUSE. FOOTER AND STEM WALL MAY BE STEPPED DOWN UP TO THREE CMUS (24") AS REQUIRED BY GRADE IN ORDER TO MAINTAIN FROST LINE AND KEEP THE FOUNDATION ON UNDISTURBED SOIL AND NOT FILL
- PROVIDE FIBRE/ASPHALT IMPREGNATED EXPANSION CONTROL MATERIAL BETWEEN FLATWORK AND VERTICAL ELEMENTS

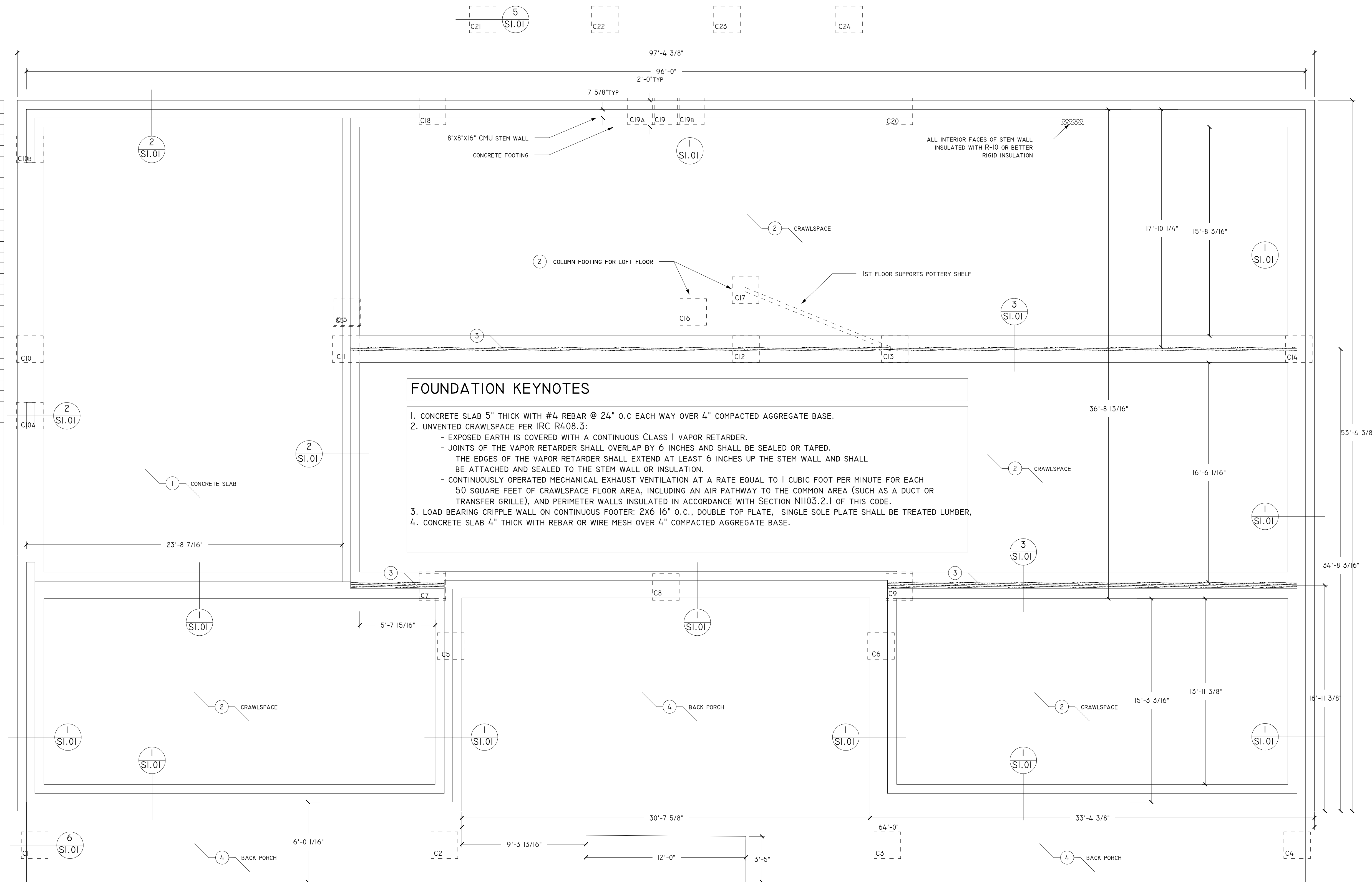
COLUMN FOOTINGS

ID	XDIM	YDIM	FOOTING
C1	0'-7 7/16"	-55'-3"	PFP
C2	34'-4 9/16"	-55'-3"	PFP
C3	64'-7 7/16"	-55'-3"	PFP
C4	95'-4 9/16"	-55'-3"	PFP
C5	31'-10 1/4"	-40'-3 9/16"	CF
C6	64'-1 3/4"	-40'-3 9/16"	CF
C7	30'-5 11/16"	-35'-8 11/16"	CF
C8	48'-0"	-35'-10 3/8"	CF
C9	65'-6 5/16"	-35'-8 11/16"	CF
C10	0'-3 3/16"	-18'-0"	N/A
C10A	0'-3 3/16"	-23'0 1/8"	CF
C10B	0'-3 3/16"	-3'-0"	CF
C11	23'-11 5/8"	-18'-0"	CF
C12	54'-0 3/16"	-18'-0"	CF
C13	65'-2 1/8"	-18'-0"	CF
C14	95'-6 1/8"	-18'-0"	CF
C15	24'-0 1/4"	-15'-3 9/16"	CF
C16	50'-0 5/8"	-15'-2 9/16"	PF
C17	53'-11 3/4"	-13'-6 13/16"	PF
C18	30'-5 13/16"	-0'-1 3/4"	CF
C19	48'-0"	-0'-1 3/4"	CF
C19A	46'-1 1/2"	-0'-1 3/4"	CF
C19B	49'-9 5/8"	-0'-1 3/4"	CF
C20	65'-6 3/16"	-0'-1 3/4"	CF
C21	34'-3"	6'-9"	PF
C22	43'-5"	6'-9"	PF
C23	52'-7"	6'-9"	PF
C24	61'-9"	6'-9"	PF

CF - CONTINUOUS FOOTING:  
SEE STRUCTURAL DETAIL DRAWINGS 1-4

PF - PIER FOOTING:  
SEE STRUCTURAL DETAIL DRAWING 5

PFP - PIER FOOTING AT PATIO:  
SEE STRUCTURAL DETAIL DRAWING 6



FOUNDATION KEYNOTES

- CONCRETE SLAB 5" THICK WITH #4 REBAR @ 24" O.C EACH WAY OVER 4" COMPACTED AGGREGATE BASE.
- UNVENTED CRAWLSPACE PER IRC R408.3:
  - EXPOSED EARTH IS COVERED WITH A CONTINUOUS CLASS I VAPOR RETARDER.
  - JOINTS OF THE VAPOR RETARDER SHALL OVERLAP BY 6 INCHES AND SHALL BE SEALED OR TAPED. THE EDGES OF THE VAPOR RETARDER SHALL EXTEND AT LEAST 6 INCHES UP THE STEM WALL AND SHALL BE ATTACHED AND SEALED TO THE STEM WALL OR INSULATION.
  - CONTINUOUSLY OPERATED MECHANICAL EXHAUST VENTILATION AT A RATE EQUAL TO 1 CUBIC FOOT PER MINUTE FOR EACH 50 SQUARE FEET OF CRAWLSPACE FLOOR AREA, INCLUDING AN AIR PATHWAY TO THE COMMON AREA (SUCH AS A DUCT OR TRANSFER GRILLE), AND PERIMETER WALLS INSULATED IN ACCORDANCE WITH SECTION N1103.2.1 OF THIS CODE.
- LOAD BEARING CRIPPLE WALL ON CONTINUOUS FOOTER: 2X6 16" O.C., DOUBLE TOP PLATE, SINGLE SOLE PLATE SHALL BE TREATED LUMBER.
- CONCRETE SLAB 4" THICK WITH REBAR OR WIRE MESH OVER 4" COMPACTED AGGREGATE BASE.

General Notes

No.	Revision/Issue	Date

FOUNDATION PLAN

GOLDENSTEIN RESIDENCE  
10685 E ROCKY HILL RD  
DEWEY, AZ 86327

FOUNDATION PLAN

Drawn By ADAM GOLDENSTEIN	Sheet SI.01
Date 3/15/18	
Scale 1/4" = 1'-0"	

**1ST FLOOR FRAMING KEYNOTES**

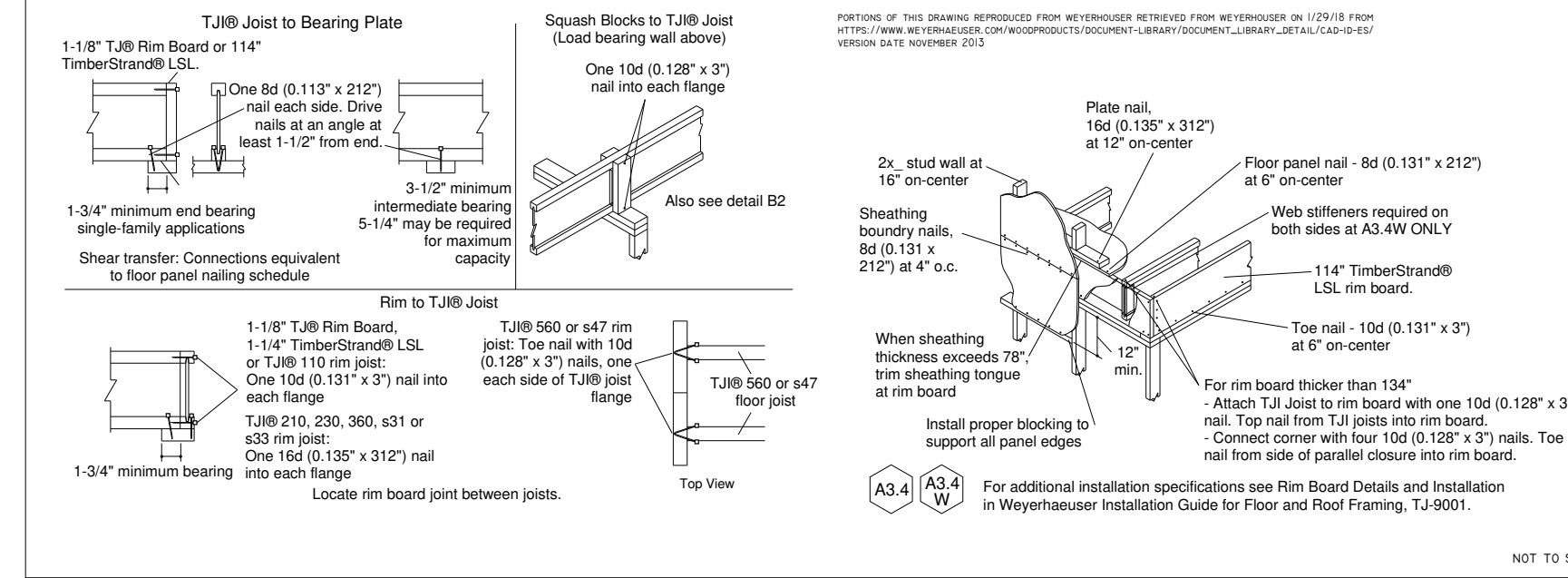
- 1-1/8" TJI COMPATIBLE RIM BOARD.
- SAFETY BRACING (1x4 MINIMUM) PLACED AT 8' ON-CENTER AND EXTENDED TO A BRACED END WALL. FASTEN AT EACH JOIST WITH TWO 8D (0.113" X 2 1/2") NAILS MINIMUM.
- 2X6 CRIPPLES WALL 16" O.C., DOUBLE TOP PLATE, SINGLE BOTTOM PLATE.
- REMOVABLE CRAWLSPACE ACCESS COVER, TJI HEADER-OFF CONSTRUCTION SHALL COMPLY WITH WEYERHAUSER TB-816 TJI JOIST HEADER-OFF SPAN TABLE.
- H2 DRAWING DETAIL FROM WEYERHAUSER IS REPRODUCED ON THIS SHEET FOR REFERENCE.
- FRONT DECKING MATERIAL: 2X6 REDWOOD BOARDS RUNNING LENGTHWAYS WITH DECK.
- 7/8" T&G PLYWOOD SUB-FLOOR GLUED AND NAILED.

**COLUMN SCHEDULE**

COLUMN	LENGTH	ATTACHMENT: BOTTOM/TOP
C1-C4	6x6 Post DF #2	SEE DETAIL 6 & 30
C5,C6	4-2x4 DF #2	SEE DETAIL 28 & 19
C7,C9,C18,C20	4-2x4 DF #2	SEE DETAIL 28 & 18
C8,C19	4-2x4 DF #2	SEE DETAIL 28, 27, 21, 25
C10	SEE DETAIL 29	SEE DETAIL 29
C11	3-2x6 POST DF #2	SEE DETAIL 29 & 27
C12	7x7 PARALAM	SEE DETAIL BELOW, SIMPSON CC78 COLUMN CAP
C13	4-2x6 POST DF #2	SEE DETAIL BELOW
C14	4-2x4 POST DF #2	SEE DETAIL 28, 27, 21
C15-C17	3-2x4 POST DF #2	5-8D TOENAIL / 5-8D TOENAIL
C21-24	6x6 POST DF #2	SEE DETAIL 5 / SIMPSON PC6Z POST CAP

**JOIST SCHEDULE**

MEMBER	LENGTH	QUANTITY	ATTACHMENT
J1A	11-7/8" TJI 360 @ 16" o.c.	16'-3 1/4"	23 NAILED, SEE DRAWING BELOW
J2B	11-7/8" TJI 360 @ 16" o.c.	16'-1 5/8"	23 NAILED, SEE DRAWING BELOW
J3	11-7/8" TJI 360 @ 16" o.c.	35'-8 7/8"	53 NAILED, SEE DRAWING BELOW
J-D	2X6 DF # 2	6'-10 1/2"	24 NAILING, SEE GENERAL NOTES



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Hanger Backer Block: Install tight to top flange (tight to bottom flange with load mount hangers). Attach per the table below. Clinch nails when possible.

Double TJI Joist Filler Block: Attach per the table below. Clinch nails when possible.

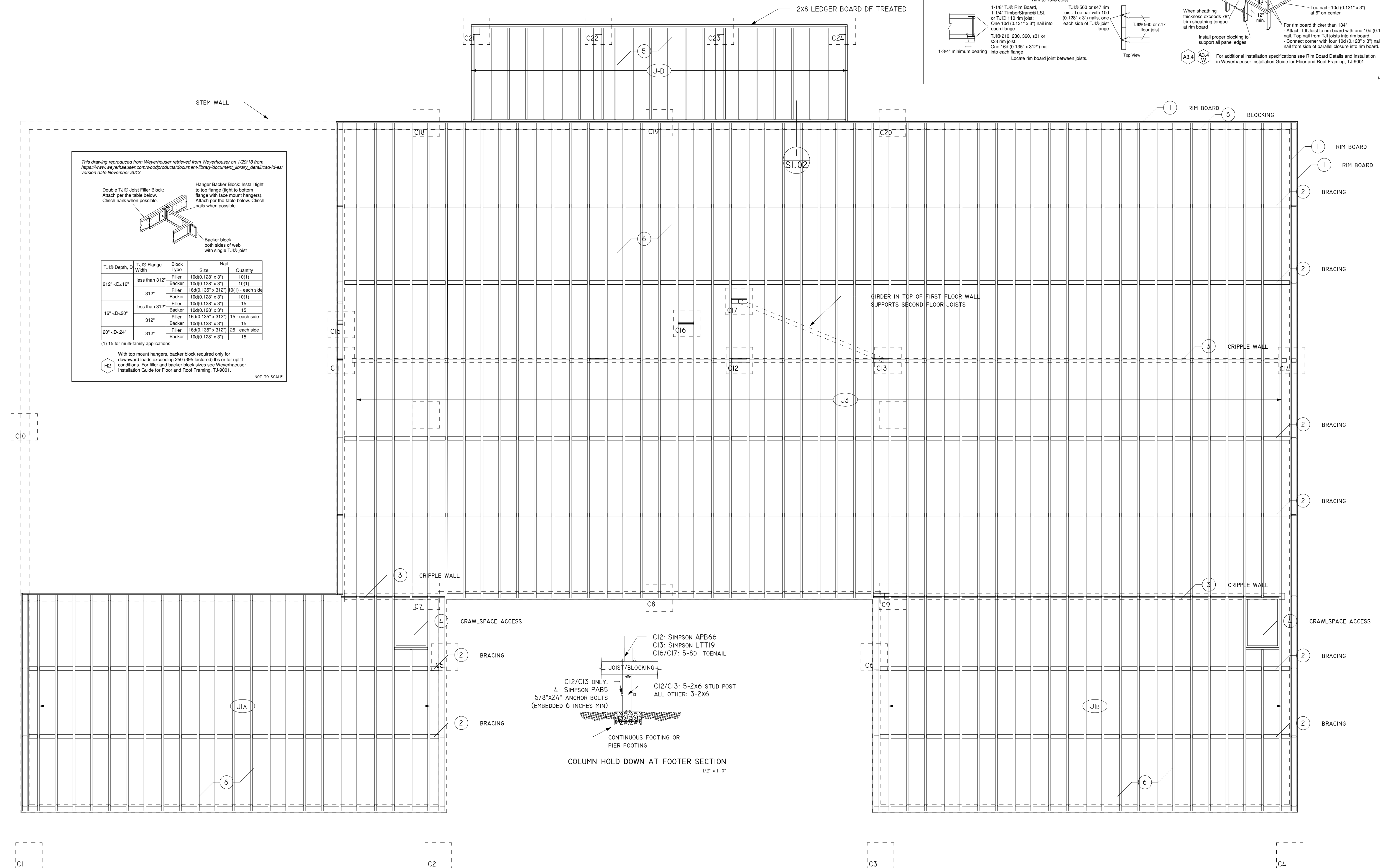
Backer block both sides of web with single TJI joist

TJI Depth, D	TJI Flange Width	Block Type	Size	Nail Quantity
9 1/2" <D<16"	less than 3 1/2"	Filler	10x0 (128" x 3")	10(1)
		Backer	10x0 (128" x 3")	10(1)
16" <D<20"	3 1/2"	Filler	16x0 (135" x 3 1/2")	15 (1) each side
		Backer	16x0 (135" x 3 1/2")	15 (1)
20" <D<24"	less than 3 1/2"	Filler	10x0 (128" x 3")	15
		Backer	10x0 (128" x 3")	15
20" <D<24"	3 1/2"	Filler	16x0 (135" x 3 1/2")	15 each side
		Backer	16x0 (135" x 3 1/2")	15

(1) 15 for multi-family applications

With top mount hangers, backer block required only for downward loads exceeding 250 (895 factored) lbs or for uplift conditions. For filler and backer block sizes see Weyerhaeuser Installation Guide for Floor and Roof Framing, TJI-9001.

NOT TO SCALE



**General Notes**

No.	Revision/Issue	Date

**FLOOR FRAMING PLAN**  
 Sheet Title

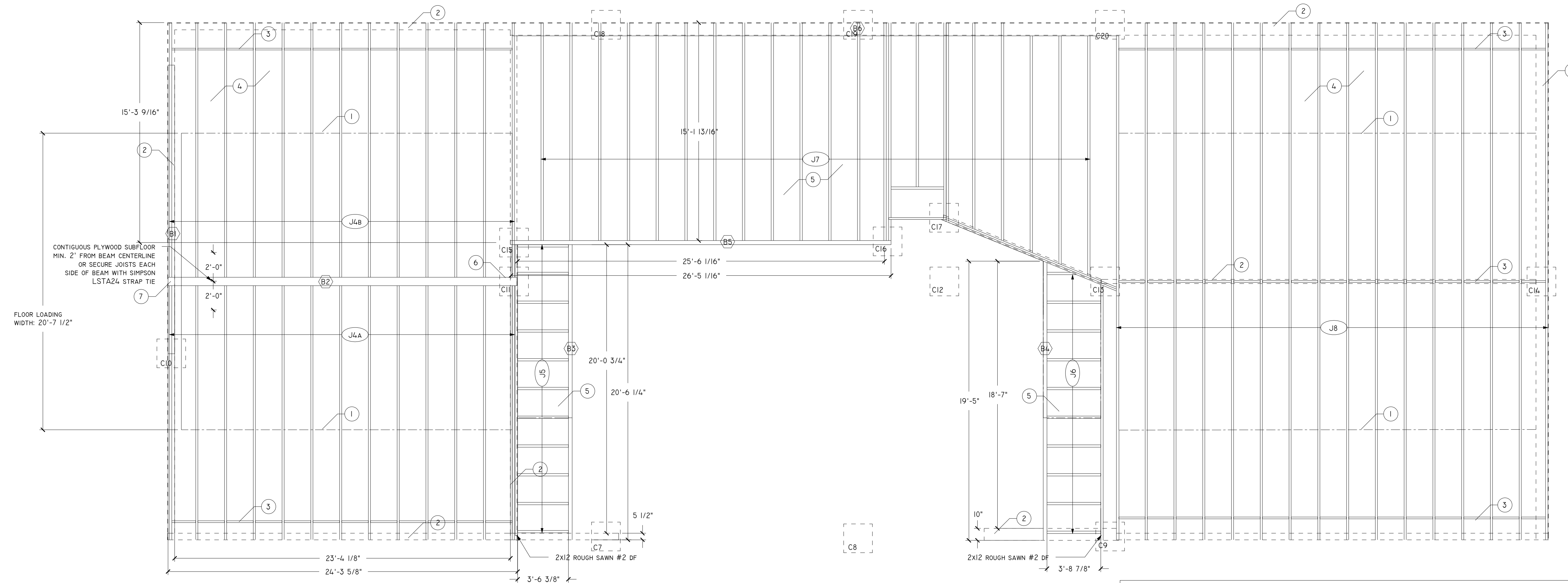
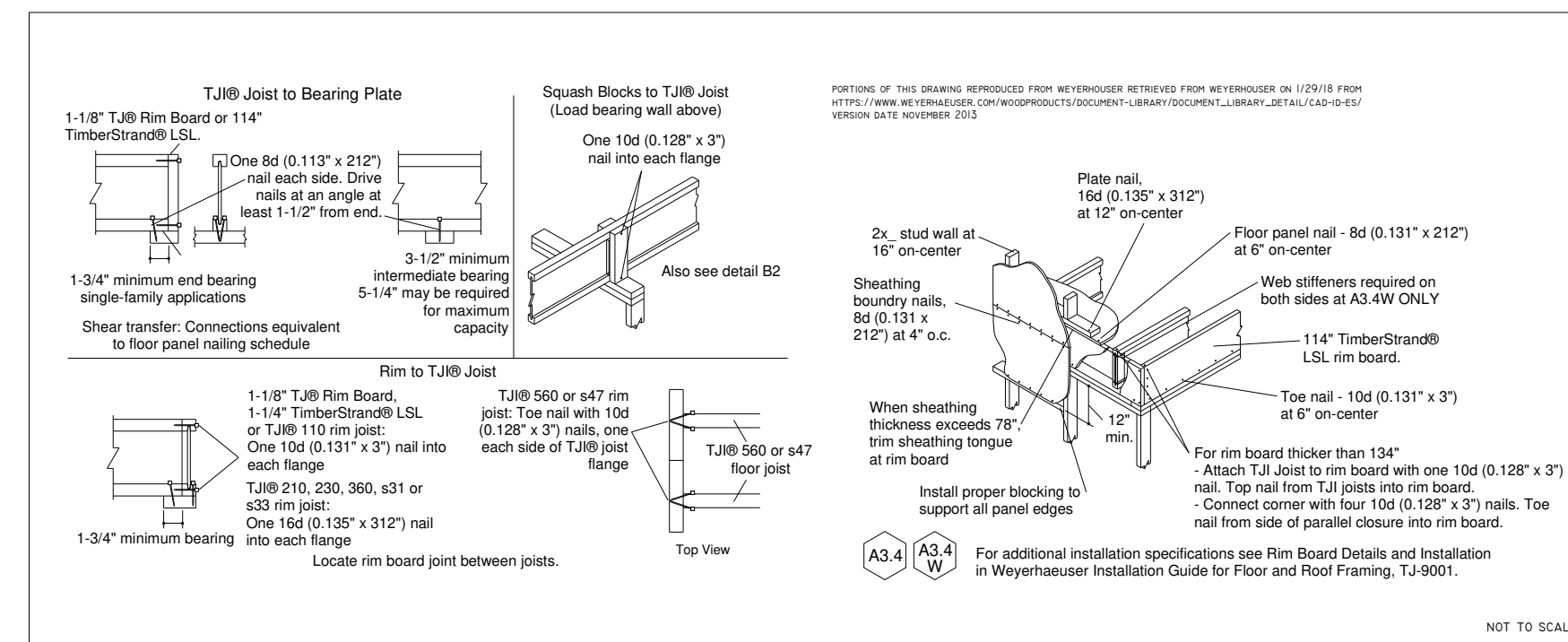
**GOLDENSTEIN RESIDENCE**  
 10685 E ROCKY HILL RD  
 DEWEY, AZ 86327  
 Project Name and Address

Drawn By ADAM GOLDENSTEIN	Sheet SI.02
Date 3/15/18	
Scale 1/4" = 1'-0"	

**FIRST FLOOR FRAMING PLAN**

1/4" = 1'-0"

BEAM SCHEDULE					
MEMBER	BEARING	SPAN	LENGTH	ATTACHMENT	
B1	4-1 3/4" x 16" LVL	4 1/2", 6"	18'-0"	18'-10 1/2"	SEE DETAIL 29, 5-8D TOE NAIL TOP PLATE
B2	4-1 3/4" x 16" LVL	5 1/2", 6"	23'-4 1/8"	24'-3 5/8"	5-8D TOE NAIL TOP PLATE EACH SIDE
B3	3 1/8" x 12" DF 24F-V4 GLULAM	5 1/2", 2 1/2"	20'-0 3/4"	20'-6 1/4"	5-8D TOE NAIL TOP PLATE, HUC3.25/12
B4	3 1/8" x 12" DF 24F-V4 GLULAM	10", 2 1/2"	19'-7"	19'-5"	5-8D TOE NAIL TOP PLATE, HUC3.25/12 22 DEG
B5	3 1/2" x 21" DF 24F-V4 GLULAM	5 1/2", 5 1/2"	25' 6 1/8"	26' 5 1/16"	5-8D TOE NAIL TOP PLATE, I212HLPC
B6	2-1 3/4" x 11 7/8" LVL	4 1/5", 4 1/2"	3' 2 1/2"	3'-11 1/2"	SEE DETAIL 16
B7ABCD	6X8 ROUGH SAWN DF	2 1/2", 5 1/2"	5'-3"	5'-9 7/16"	SEE DETAIL 30
B8AB	2-1 3/4" x 11 7/8" LVL	2", 2"	17'-2 7/16"	24' APPROX	SEE DETAIL 19, SIMPSON U410
B9A	5 1/2" x 16" DF 24F-V4 GLULAM	10", 10"	32'-0 7/8"	33'-8"	SEE DETAIL L1
B9B	5 1/2" x 16" DF 24F-V4 GLULAM	1' 5 9/16", 2"	15'-3 1/8"	21'	SEE DETAIL L1
B9C	5 1/2" x 16" DF 24F-V4 GLULAM	1' 5 9/16", 2"	15'-3 1/8"	21'	SEE DETAIL L1
B9D	5 1/2" x 5 1/2" DF	3 1/2", 3 1/2"	NA	10'-1 1/2"	SEE DETAIL L1
B10	OMITTED	OMITTED	OMITTED	OMITTED	OMITTED
B11A	2-1 3/4" x 16" LVL	5 1/2", 10" / 2"	6'-11", 4'-1 1/4", 17'-1 9/16"	29'-5 1/4"	SEE STRUCTURAL BEAM PLAN
B11B	2-1 3/4" x 16" LVL	2", 10"	17'-1 9/16", 2'-0"	20'-0"	SEE STRUCTURAL BEAM PLAN
B12ABCD	3-1 3/4" x 16" LVL	5 1/2", 2"	24'-5 3/16"	30'*	SEE STRUCTURAL BEAM PLAN
B13	5.5"x24" DF 24F-V4 GLULAM	5 1/2", 3"	23' 3 1/8"	23' 11 5/8"	SEE STRUCTURAL BEAM PLAN
B14	6.75"x24" DF 24F-V4 GLULAM	4", 5"	29'-4 5/8"	30'-1 5/8"	SEE STRUCTURAL BEAM PLAN
B15	6.75"x24" DF 24F-V4 GLULAM	2", 3"	10'-7 7/16"	11'-0 7/16"	SEE STRUCTURAL BEAM PLAN
B16	5.5"x24" DF 24F-V4 GLULAM	4", 5 1/2"	29'-9 15/16"	30'-9 7/16"	SEE STRUCTURAL BEAM PLAN
B17AB	6X8 ROUGH SAWN DF	2", 3" MITER	6'-4"	7'-0"	SEE DETAIL 30
B18	6X8 ROUGH SAWN DF	3", 3" 45 MITER	8'-8"	9'-5"	SEE DETAIL 30



2ND FLOOR FRAMING KEYNOTES	
1.	ATTIC FLOOR OUTLINE (EXTERIOR EDGE OF KNEE WALL)
2.	TOP PLATE OF LOAD BEARING WALL BELOW
3.	BLOCKING
4.	5/8" DRYWALL SECURED TO UNDERSIDE OF TJIS SERVES AS BRACING (DRYWALL TO BE ABSENT WHERE JOISTS MEET INTERIOR WALLS)
5.	UNDERSIDE OF ROUGH SAWN FLOOR JOISTS EXPOSED
6.	BEAM B2 SECURED TO TOP PLATE WITH 6-8D TOENAILS. COLUMN I1 SECURED ABOVE/BELOW ATTIC FLOOR VIA HOLDOWN PER DETAIL 27
7.	SEE DETAIL 29 FOR CONNECTION DETAILS

COLUMN SCHEDULE		
COLUMN	LENGTH	ATTACHMENT: BOTTOM/TOP
C1-C4	6X6 POST DF #2	SEE DETAIL 6 & 30
C5,C6	4-2X4 DF #2	SEE DETAIL 28 & 19
C7,C9,C18,C20	4-2X4 DF #2	SEE DETAIL 28 & 18
C8,C19	4-2X4 DF #2	SEE DETAIL 28, 27, 21, 25
C10	SEE DETAIL 29	SEE DETAIL 29
C11	3-2X6 POST DF #2	SEE DETAIL 29 & 27
C12	7X7 PARALAM	SEE DETAIL BELOW, SIMPSON CC78 COLUMN CAP
C13	4-2X6 POST DF #2	SEE DETAIL BELOW
C14	4-2X4 POST DF #2	SEE DETAIL 28, 27, 21
C15-C17	3-2X4 POST DF #2	5-8D TOENAIL / 5-8D TOENAIL
C21-24	6X6 POST DF #2	SEE DETAIL 5 / SIMPSON PC6Z POST CAP

JOIST SCHEDULE				
MEMBER	LENGTH	QUANTITY	HANGER	
J4A	11-7/8" TJI I10 @ 24" o.c.	17'-8 1/2"	13	IUS1.81/11.88 HANGER / NAIL SEE DRAWING
J4B	11-7/8" TJI I10 @ 24" o.c.	17'-8 1/2"	13	IUS1.81/11.88 HANGER / NAIL SEE DRAWING
J5	2X8 ROUGH SAWN #2 DF @ 12" o.c.	3'-5 13/16"	11	SIMPSON LU28R-18 / SIMPSON LU28R-18
J6	2X8 ROUGH SAWN #2 DF @ 12" o.c.	19'-5 1/8"	4	SIMPSON LU28R-18 / SIMPSON LU28R-18
J7	2X12 ROUGH SAWN #2 DF @ 24" o.c.	15'-1 13/16"	23	3-8D TOENAIL / SIMPSON U210R
J8	11-7/8" TJI I10 @ 24" o.c.	36'-0"	16	NAIL SEE DRAWING / NAIL SEE DRAWING

General Notes

No.	Revision/Issue	Date

ATTIC FLOOR FRAMING PLAN

GOLDENSTEIN RESIDENCE  
 10685 E ROCKY HILL RD  
 DEWEY, AZ 86327

Drawn By  
 ADAM GOLDENSTEIN  
 Date  
 3/15/18  
 Scale  
 1/4" = 1'-0"

Sheet  
 SI.03

ATTIC FLOOR FRAMING PLAN

1/4" = 1'-0"

**BEAM SCHEDULE**

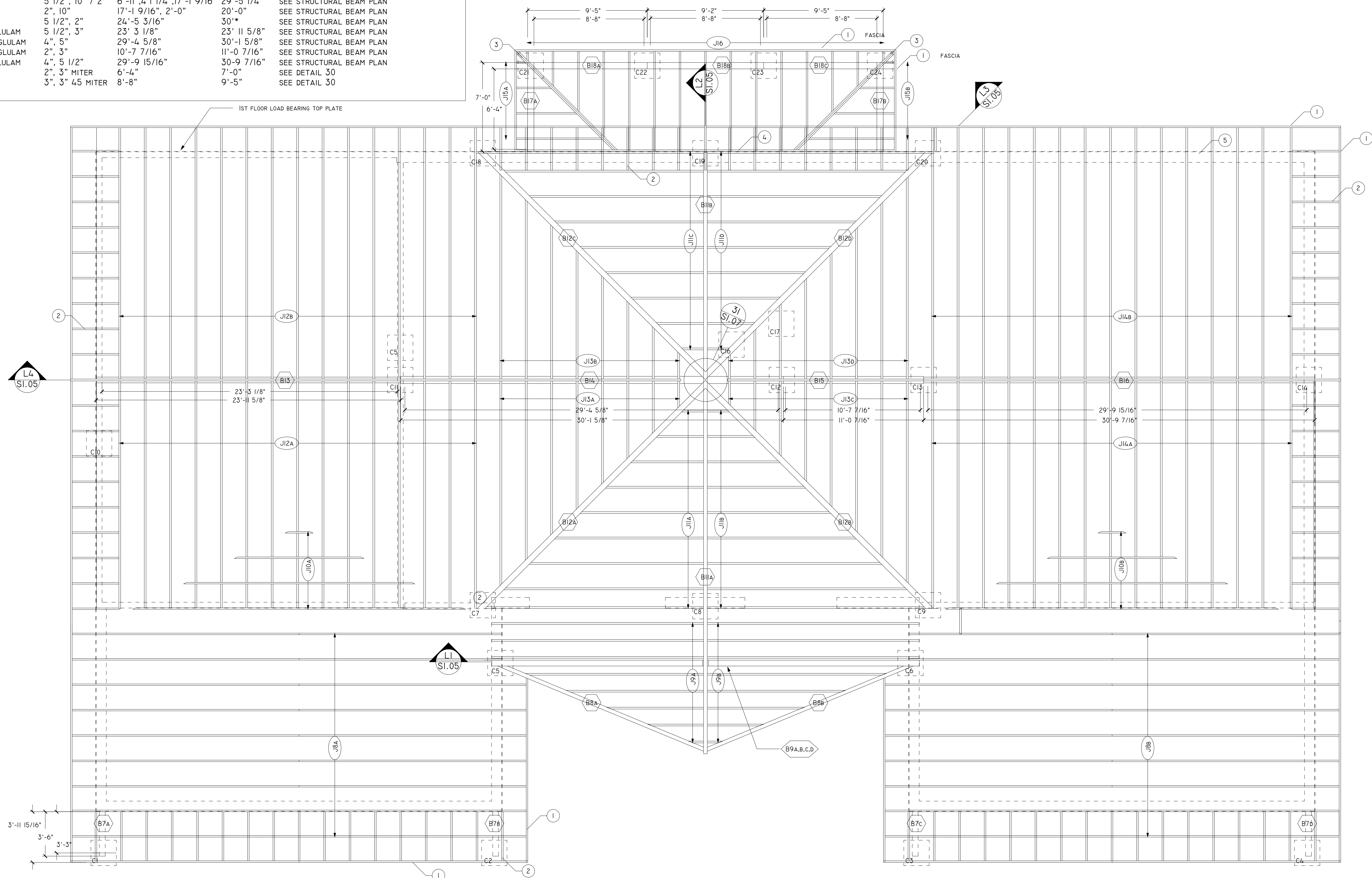
MEMBER	BEARING	SPAN	LENGTH	ATTACHMENT
B1	4-1 3/4" x 16" LVL	4 1/2", 6"	18'-0"	SEE DETAIL 29, 5-8D TOE NAIL TOP PLATE
B2	4-1 3/4" x 16" LVL	5 1/2", 6"	23'-4 1/8"	5-8D TOE NAIL TOP PLATE EACH SIDE
B3	3 1/8" x 12" DF 24F-V4 GLULAM	5 1/2", 2 1/2"	20'-0 3/4"	5-8D TOE NAIL TOP PLATE, HUC3.25/12
B4	3 1/8" x 12" DF 24F-V4 GLULAM	10", 2 1/2"	19'-7"	5-8D TOE NAIL TOP PLATE, HUC3.25/12 22 DEG
B5	3 1/2" x 21" DF 24F-V4 GLULAM	5 1/2", 5 1/2"	25' 6 1/8"	5-8D TOE NAIL TOP PLATE, I2I2HLPC
B6	2-1 3/4" x 11 7/8" LVL	4 1/5", 4 1/2"	3'-2 1/2"	SEE DETAIL 16
B7ABCD	6x8 ROUGH SAWN DF	2 1/2", 5 1/2"	5'-9 7/16"	SEE DETAIL 30
B8AB	2-1 3/4" x 11 7/8" LVL	2", 2"	17'-2 7/16"	24" APPROX SEE DETAIL 19, SIMPSON U410
B9A	5 1/2" x 16" DF 24F-V4 GLULAM	10", 10"	32'-0 7/8"	SEE DETAIL 11
B9B	5 1/2" x 16" DF 24F-V4 GLULAM	1' 5 9/16", 2"	15'-3 1/8"	SEE DETAIL 11
B9C	5 1/2" x 16" DF 24F-V4 GLULAM	1' 5 9/16", 2"	15'-3 1/8"	SEE DETAIL 11
B9D	5 1/2" x 5 1/2" DF	NA	10'-1 1/2"	SEE DETAIL 11
B10	OMITTED	OMITTED	OMITTED	OMITTED
B11A	2-1 3/4" x 16" LVL	5 1/2", 10" / 2"	6'-11", 4' 1 1/4", 17'-1 9/16"	29'-5 1/4" SEE STRUCTURAL BEAM PLAN
B11B	2-1 3/4" x 16" LVL	2", 10"	17'-1 9/16", 2'-0"	20'-0" SEE STRUCTURAL BEAM PLAN
B12ABCD	3-1 3/4" x 16" LVL	5 1/2", 2"	24'-5 3/16"	30" SEE STRUCTURAL BEAM PLAN
B13	5.5"x24" DF 24F-V4 GLULAM	5 1/2", 3"	23' 11 5/8"	SEE STRUCTURAL BEAM PLAN
B14	6.75"x24" DF 24F-V4 GLULAM	4", 5"	29'-4 5/8"	SEE STRUCTURAL BEAM PLAN
B15	6.75"x24" DF 24F-V4 GLULAM	2", 3"	11'-0 7/16"	SEE STRUCTURAL BEAM PLAN
B16	5.5"x24" DF 24F-V4 GLULAM	4", 5 1/2"	29'-9 15/16"	SEE STRUCTURAL BEAM PLAN
B17AB	6x8 ROUGH SAWN DF	2", 3" MITER	7'-0"	SEE DETAIL 30
B18	6x8 ROUGH SAWN DF	3", 3" 45 MITER	8'-8"	SEE DETAIL 30

**JOIST SCHEDULE**

MEMBER	LENGTH	QUANTITY	ATTACHMENT
J8A,B	PRE-FAB SCISSOR TRUSS @ 24" o.c.	32' / 35' 9" OVERALL	9*2 MTS12, 3-8D TOENAIL OR PER ENG PLANS
J9A,B	9.5" TJI 110 @ 24" o.c.	VARIOUS	8*2 SEE DETAIL 13
J10A,B	2X LUMBER VALLEY SET @ 24" o.c.	VARIOUS	4*2 3-8D TOENAIL
J11A,B,C,D	16" TJI 110 @ 16" o.c.	VARIOUS	14*4 LSSUI25 / LSSUI25
J12A,B	16" TJI 110 @ 24" o.c.	18' 0" ADD 8:12 SLOPE	15*2 IUS1.81/16 / 1-8D EACH SIDE TOP PLATE
J13A,B,C,D	16" TJI 110 @ 24" o.c.	VARIOUS	8*4 LSSUI25 / LSSUI25
J14A,B,C,D	16" TJI 110 @ 24" o.c.	18' 0" ADD 8:12 SLOPE	15*2 IUS1.81/16 / 1-8D EACH SIDE TOP PLATE
J15A,B	2x6 #2 DF @ 24" o.c.	VARIOUS	4*2 SIMPSON RR / HIZ / LSU26Z
J16	2x6 #2 DF @ 24" o.c.	VARIOUS	15 SIMPSON RR / HIZ / LSU26Z

**ROOF FRAMING KEYNOTES**

- 2X6 FASCIA
- 2X4 OUTRIGGERS PER DETAIL 15
- DECK ROOF 2X6 (DOUBLED) HIP JOIST
- 2X6 NAILER FOR PORCH ATTACHMENT
- BLOCKING PER DETAIL 17



General Notes

No.	Revision/Issue	Date

ROOF FRAMING PLAN

**GOLDENSTEIN RESIDENCE**  
 10685 E ROCKY HILL RD  
 DEWEY, AZ 86327

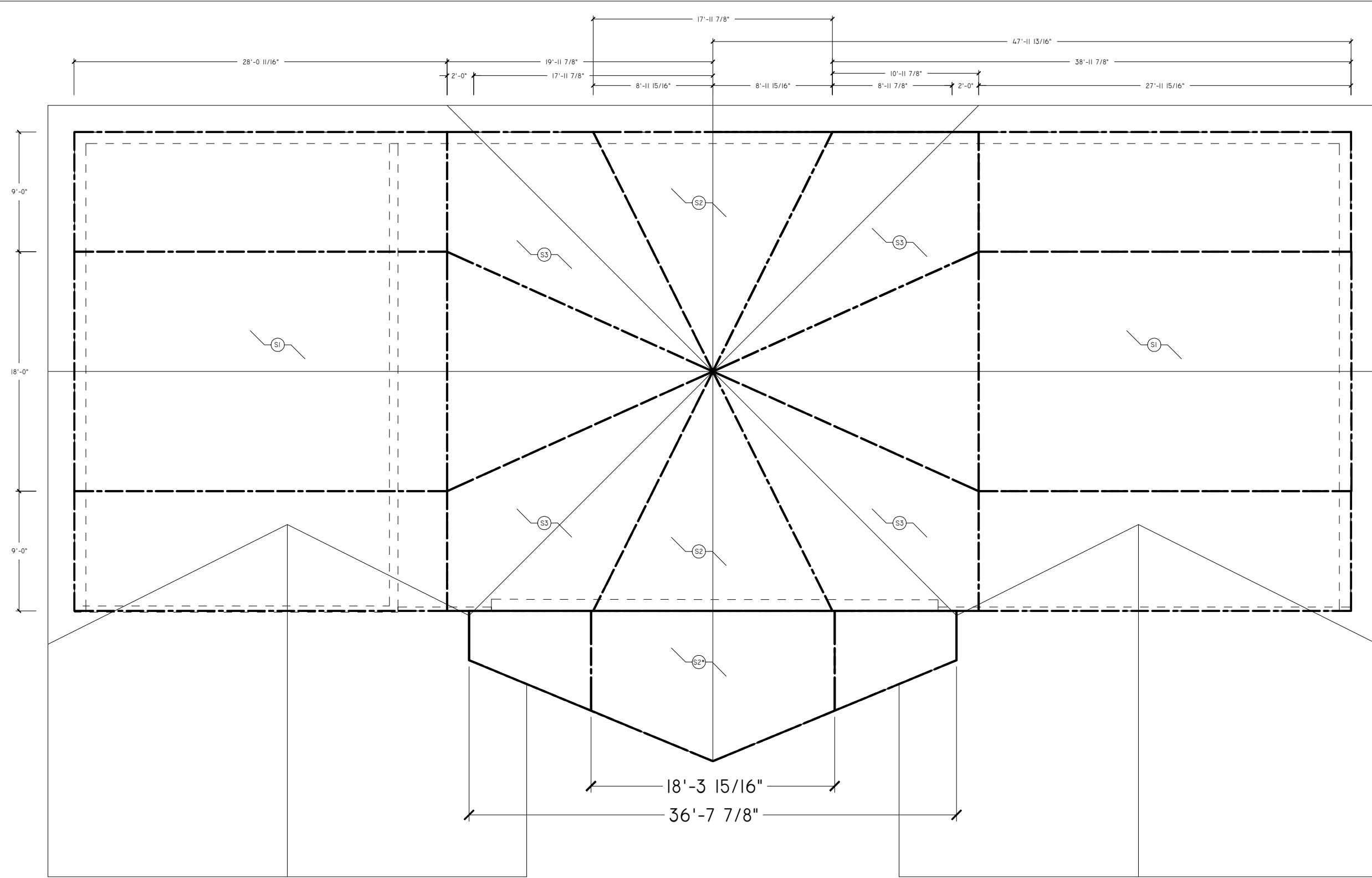
Drawn By ADAM GOLDENSTEIN	Sheet SI.04
Date 3/15/18	
Scale 1/4" = 1'-0"	

**ROOF FRAMING PLAN**

1/4" = 1'-0"

MEMBER	BEARING	SPAN	LENGTH	ATTACHMENT
B1	4-1 3/4" x 16" LVL	4 1/2" x 6"	18'-0 1/2"	18'-0 1/2" SEE DETAIL 29, 5-80 TO NAIL TOP PLATE
B2	4-1 3/4" x 16" LVL	5 1/2" x 6"	24'-3 5/8"	24'-3 5/8" S-RD TO NAIL TOP PLATE EACH SIDE
B3	3 1/8" x 12" DF 24F-VL GULLAH	5 1/2" x 2 1/2"	20'-0 3/4"	20'-0 3/4" S-RD TO NAIL TOP PLATE HUC3.25(1/2) Z2 DEG
B4	3 1/8" x 12" DF 24F-VL GULLAH	10" x 2 1/2"	19'-5"	19'-5" S-RD TO NAIL TOP PLATE HUC3.25(1/2) Z2 DEG
B5	3 1/2" x 2" DF 24F-VL GULLAH	5 1/2" x 5 1/2"	25' 6 1/8"	25' 6 1/8" S-RD TO NAIL TOP PLATE 120LHPC
B6	2-1 3/4" x 11 7/8" LVL	4 1/2" x 4 1/2"	5'-0 1/2"	SEE DETAIL 16
B7	6x8 ROUGH SAWN DF	2 1/2" x 5 1/2"	5'-3"	SEE DETAIL 30
B8	2-1 3/4" x 11 7/8" LVL	2" x 2"	17'-2 7/16"	24" APPROX SEE DETAIL 19, SIMPSON LIGID
B9	5 1/2" x 16" DF 24F-VL GULLAH	10" x 10"	32'-0 7/8"	32'-0 7/8" SEE DETAIL LI
B99	5 1/2" x 16" DF 24F-VL GULLAH	1" x 9/16" x 2"	15'-3 1/8"	21" SEE DETAIL LI
B9C	5 1/2" x 16" DF 24F-VL GULLAH	5 1/2" x 3 1/2"	NA	20" SEE DETAIL LI
B9D	5 1/2" x 16" DF 24F-VL GULLAH	5 1/2" x 3 1/2"	NA	20" SEE DETAIL LI
B10	OMITTED	OMITTED	OMITTED	OMITTED
B11A	2-1 3/4" x 16" LVL	5 1/2" x 10" x 2"	OMITTED	OMITTED
B11B	2-1 3/4" x 16" LVL	2" x 10"	17'-1 9/16" x 2'-0"	20'-0" SEE STRUCTURAL BEAM PLAN
B12	2-1 3/4" x 16" LVL	5 1/2" x 2"	24'-0 3/16"	30" SEE STRUCTURAL BEAM PLAN
B13	5.5"x24" DF 24F-VL GULLAH	5 1/2" x 3"	23'-3 1/8"	23'-3 1/8" SEE STRUCTURAL BEAM PLAN
B14	6.75"x24" DF 24F-VL GULLAH	4" x 5"	29'-4 5/8"	30'-4 5/8" SEE STRUCTURAL BEAM PLAN
B15	6.75"x24" DF 24F-VL GULLAH	2" x 3"	10'-7 7/16"	10'-7 7/16" SEE STRUCTURAL BEAM PLAN
B16	5.5"x24" DF 24F-VL GULLAH	4" x 5 1/2"	29'-4 5/8"	30'-4 5/8" SEE STRUCTURAL BEAM PLAN
B17	6x8 ROUGH SAWN DF	2" x 3" MITER	6'-4"	7'-0" SEE DETAIL 30
B18	6x8 ROUGH SAWN DF	3" x 3" x 45 MITER	8'-8"	9'-5" SEE DETAIL 30

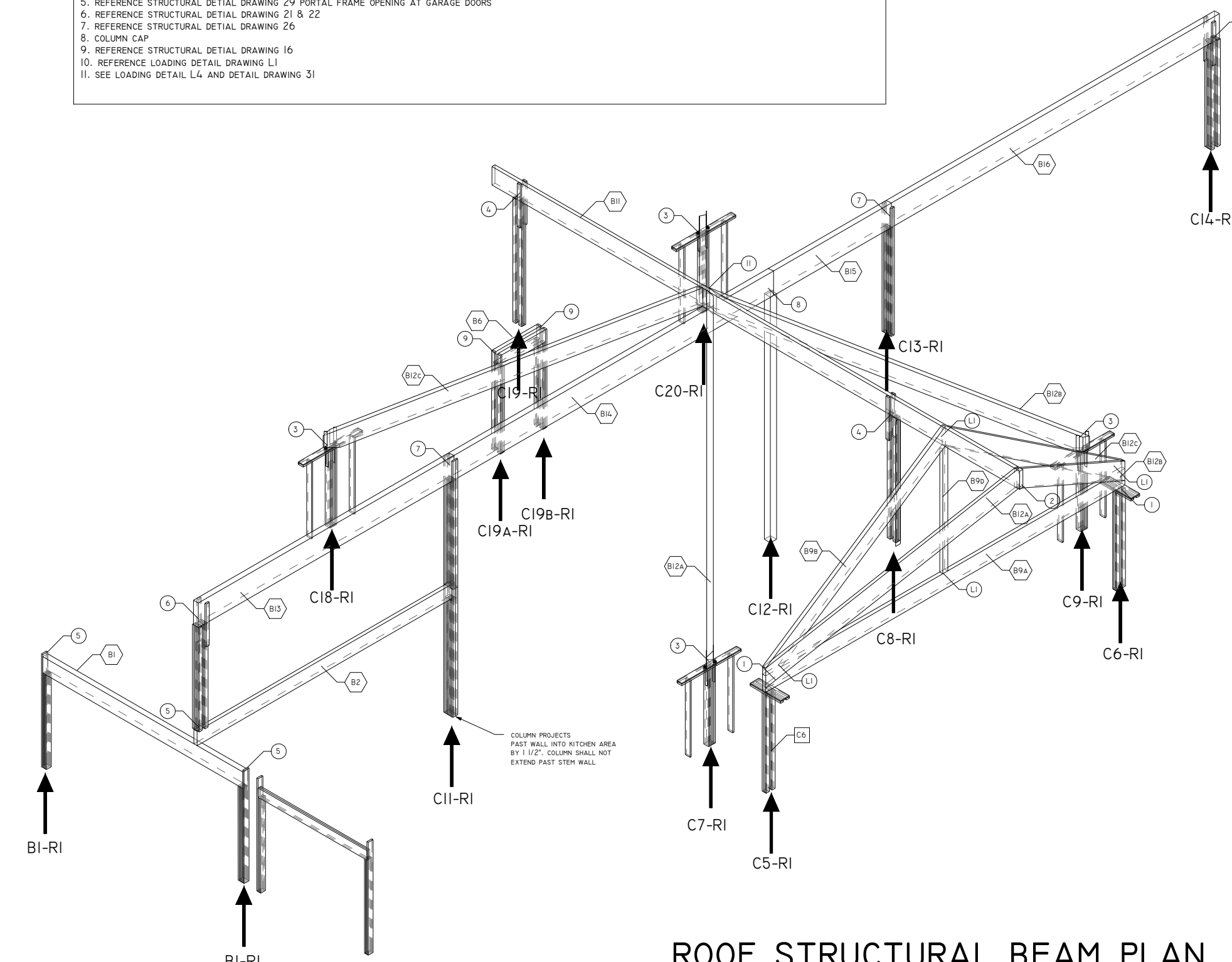
COLUMN	LENGTH	ATTACHMENT
C1-C4	6x6 POST DF #2	SEE DETAIL 6 & 30
C5-C6	4-2x4 DF #2	SEE DETAIL 28 & 19
C7-C9, C18-C20	4-2x4 DF #2	SEE DETAIL 28 & 18
C10-C17	4-2x4 DF #2	SEE DETAIL 28, 27, 21, 25
C18	SEE DETAIL 29	SEE DETAIL 29
C19	3-2x4 POST DF #2	SEE DETAIL 29 & 27
C21	7x7 PARALAN	SEE DETAIL 29 & 27
C22	4-2x4 POST DF #2	SEE DETAIL 28, 27, 21
C23	4-2x4 POST DF #2	SEE DETAIL 28, 27, 21
C24	3-2x4 POST DF #2	SEE DETAIL 28, 27, 21
C21-24	6x6 POST DF #2	SEE DETAIL 5 / SIMPSON PCOZ POST CAP



ROOF BEAM LOADING TRIBUTARY AREAS

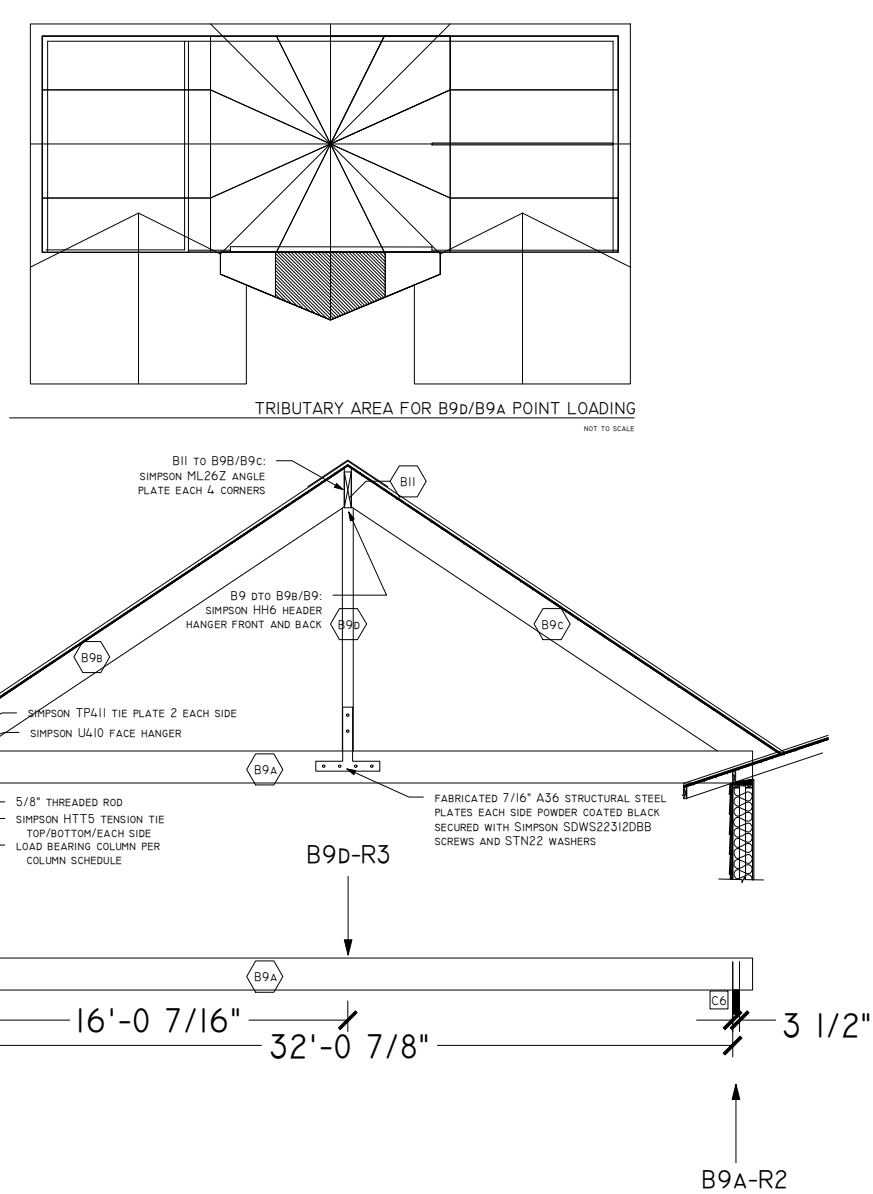
1/8" = 1'-0"

- STRUCTURAL BEAM ATTACHMENT NOTES**
1. REFERENCE STRUCTURAL DETAIL DRAWINGS 19 & 20
  2. SIMPSON LIGID FACE HANGER FOR B12/B11 AND B10/B11
  3. REFERENCE STRUCTURAL DETAIL DRAWING 18
  4. REFERENCE STRUCTURAL DETAIL DRAWING 23, 24, & 25
  5. REFERENCE STRUCTURAL DETAIL DRAWING 29 PORTAL FRAME OPENING AT GARAGE DOORS
  6. REFERENCE STRUCTURAL DETAIL DRAWING 21 & 22
  7. REFERENCE STRUCTURAL DETAIL DRAWING 26
  8. COLUMN CAP
  9. REFERENCE STRUCTURAL DETAIL DRAWING 16
  10. REFERENCE LOADING DETAIL DRAWING L1
  11. SEE LOADING DETAIL L1 AND DETAIL DRAWING 31



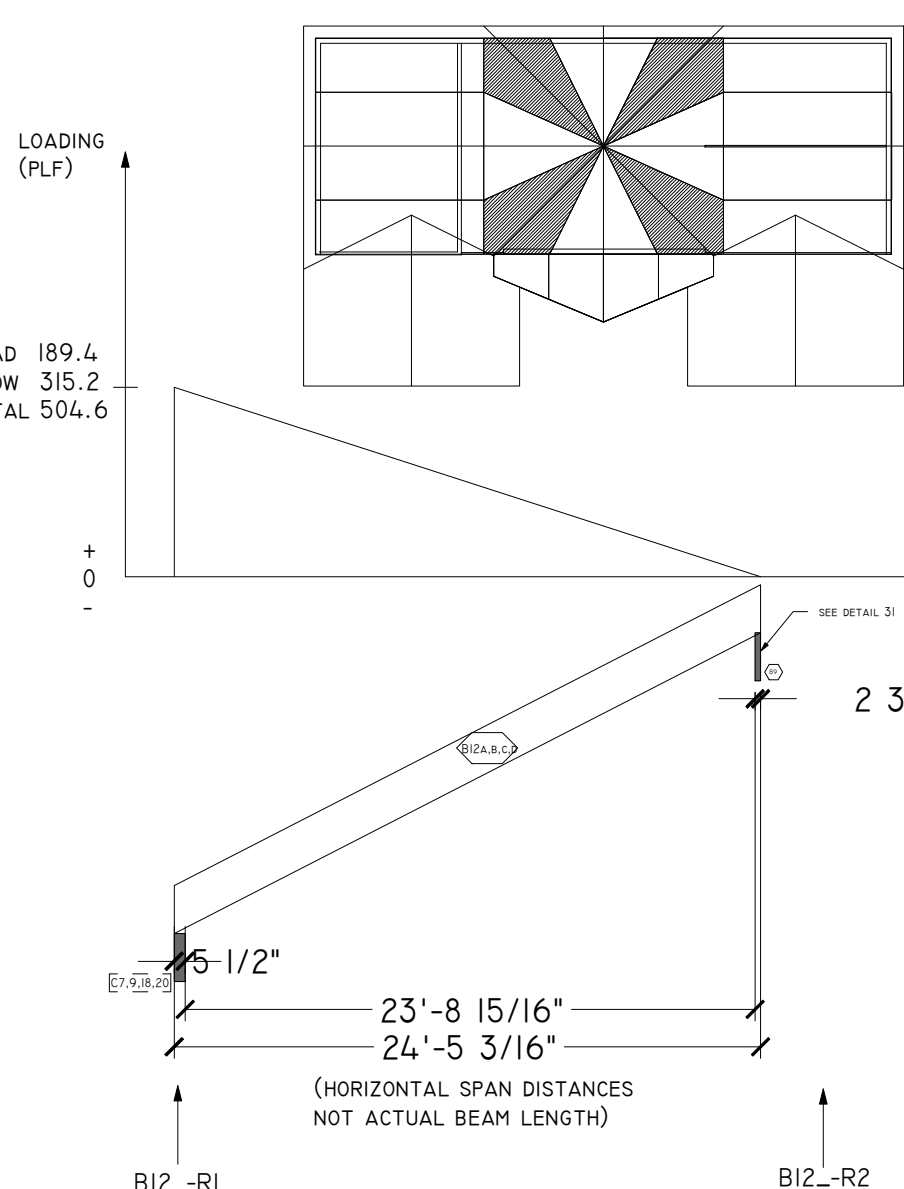
ROOF STRUCTURAL BEAM PLAN

NOT TO SCALE



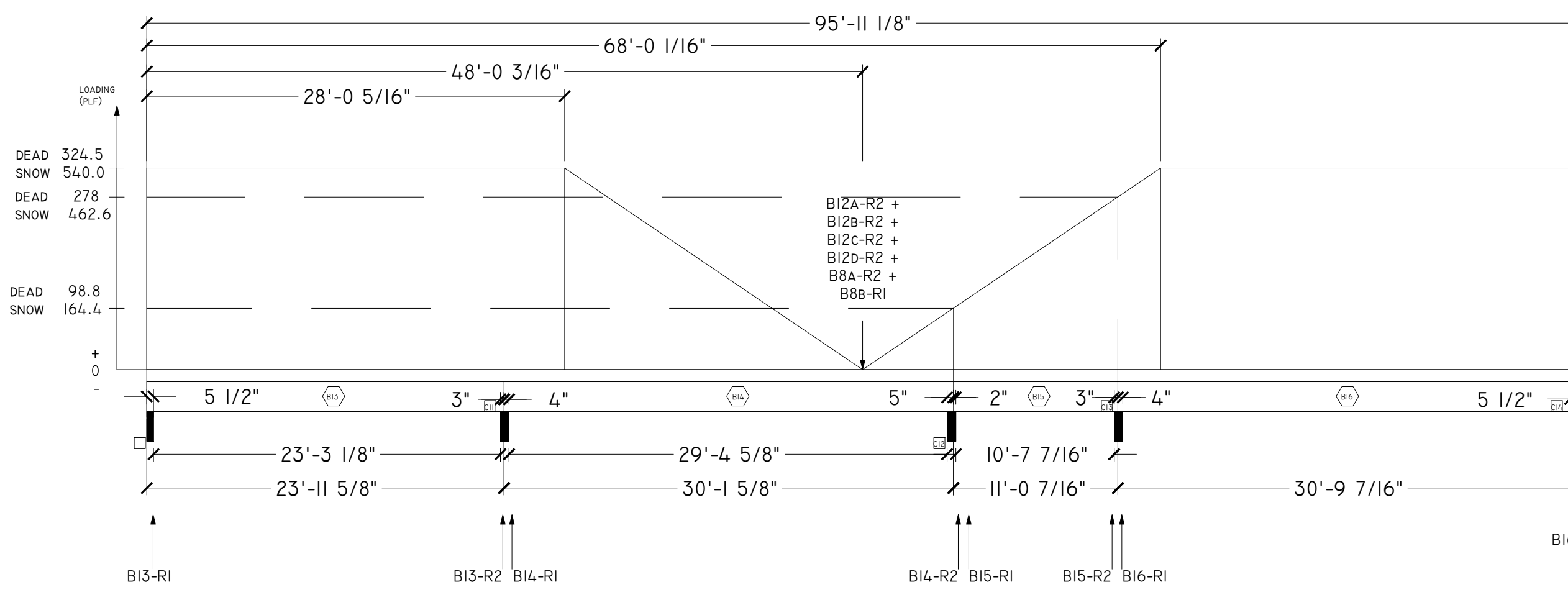
L1 PORCH TRUSS BEAM LOADING

1/8" = 1'-0"



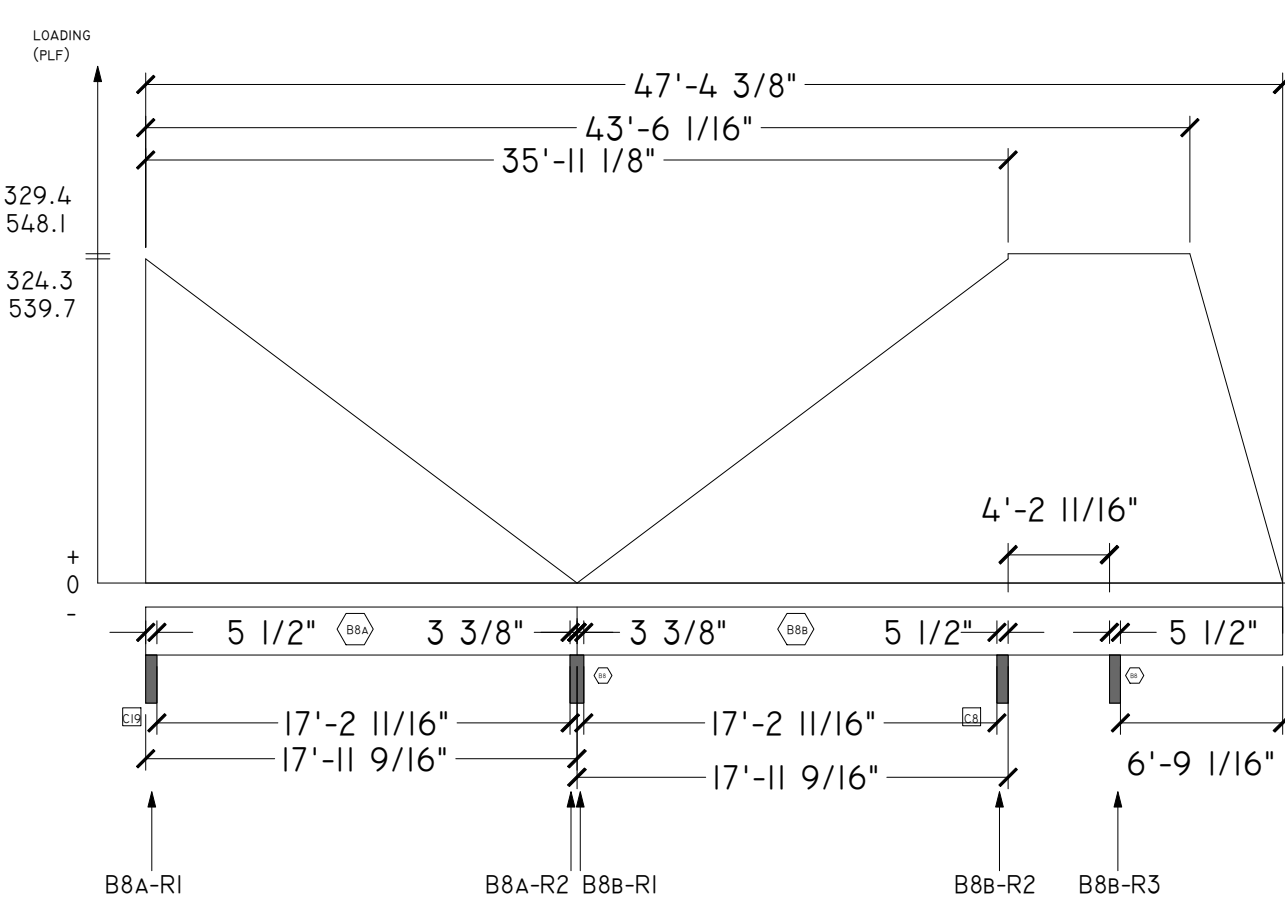
L2 VALLEY BEAM(S) LOADING

1/8" = 1'-0"



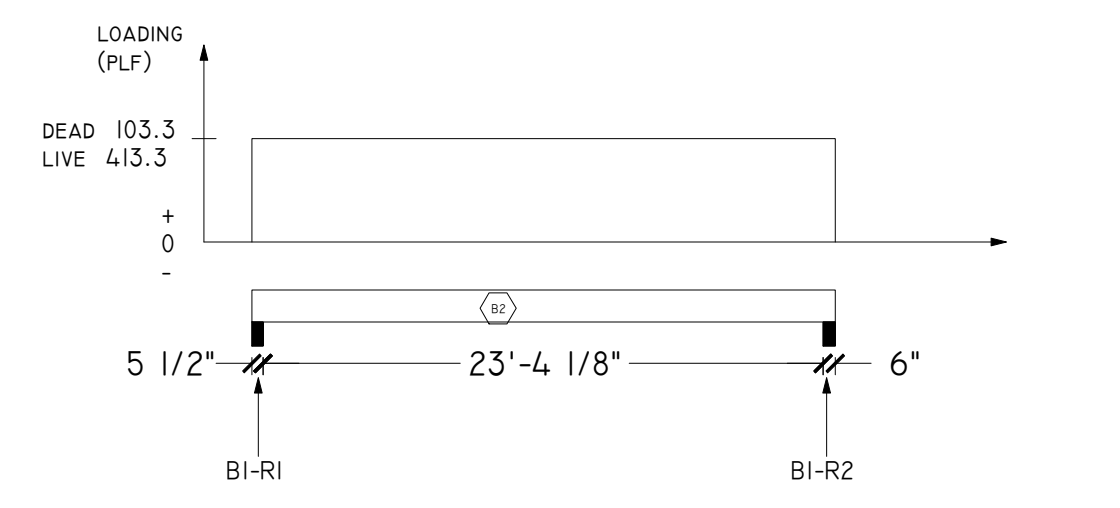
L3 MAIN RIDGE DROP BEAM(S) LOADING DIAGRAM

1/8" = 1'-0"



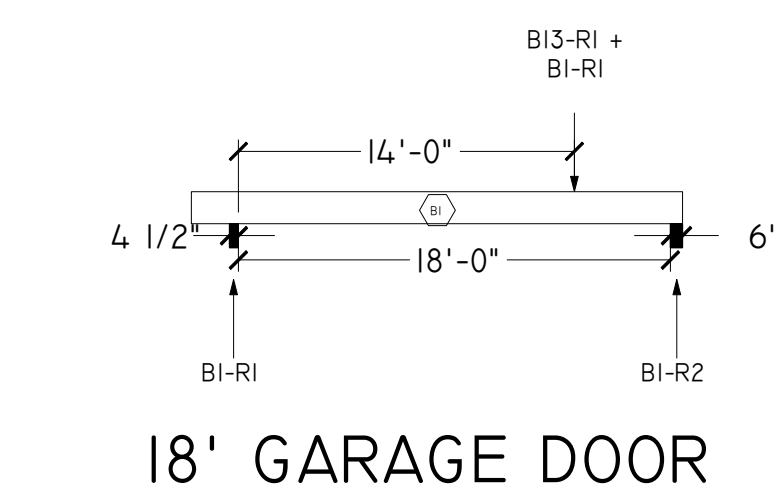
L4 CROSS RIDGE BEAM LOADING

1/8" = 1'-0"



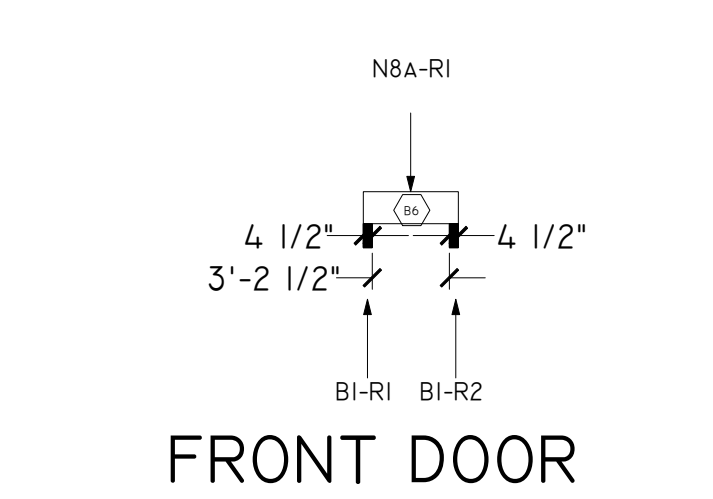
L5 ATTIC FLOOR BEAM ABOVE GARAGE

1/8" = 1'-0"



L6 18' GARAGE DOOR HEADER LOADING

1/8" = 1'-0"



L6 FRONT DOOR HEADER LOADING

1/8" = 1'-0"

Sheet Title

**STRUCTURAL BEAM PLAN**

**GOLDENSTEIN RESIDENCE**

10685 E ROCKY HILL RD  
DEWEY, AZ 86327

Project Name and Address

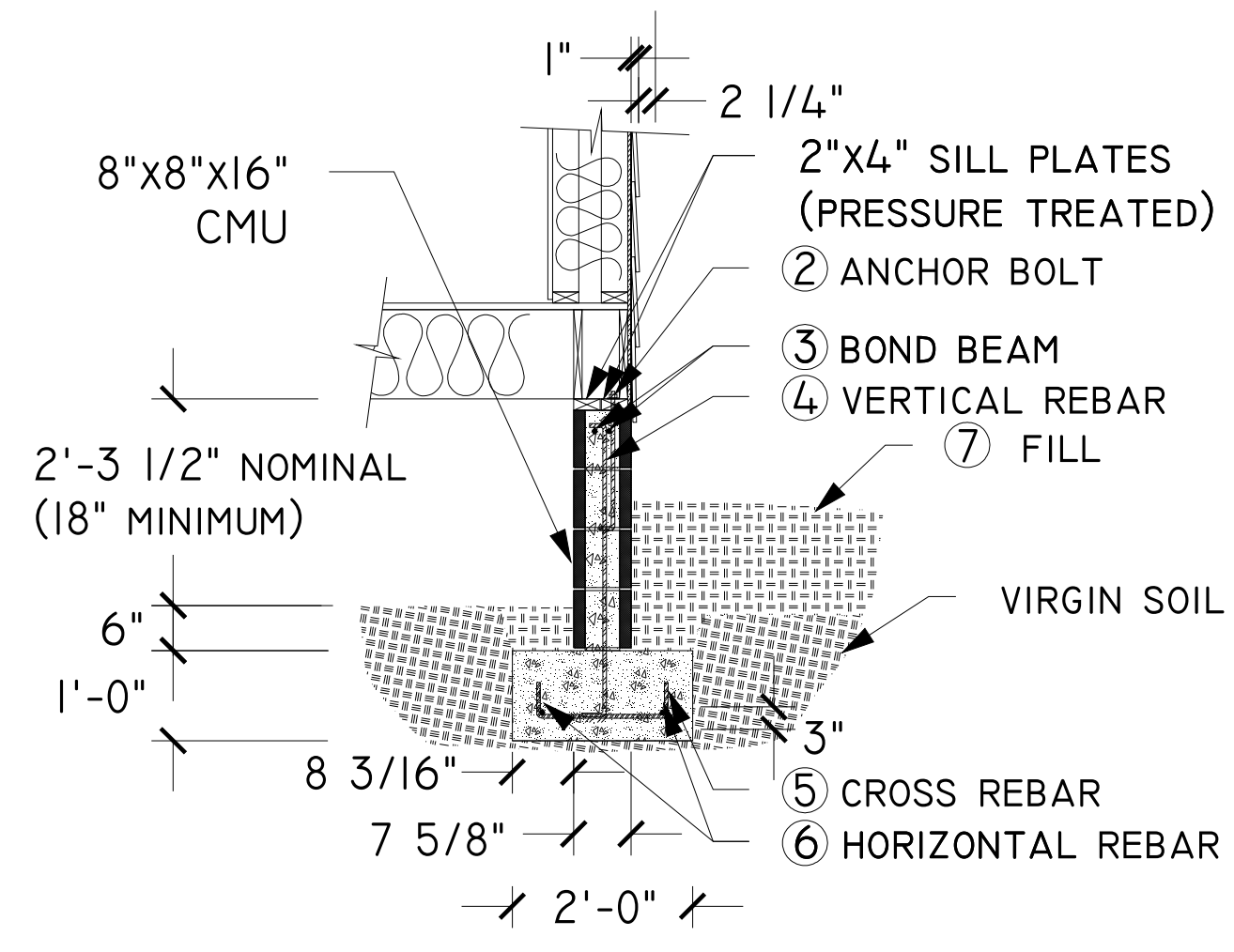
Drawn By  
ADAM GOLDENSTEIN  
Date  
3/15/18  
Scale  
1/4" = 1'-0"

Sheet

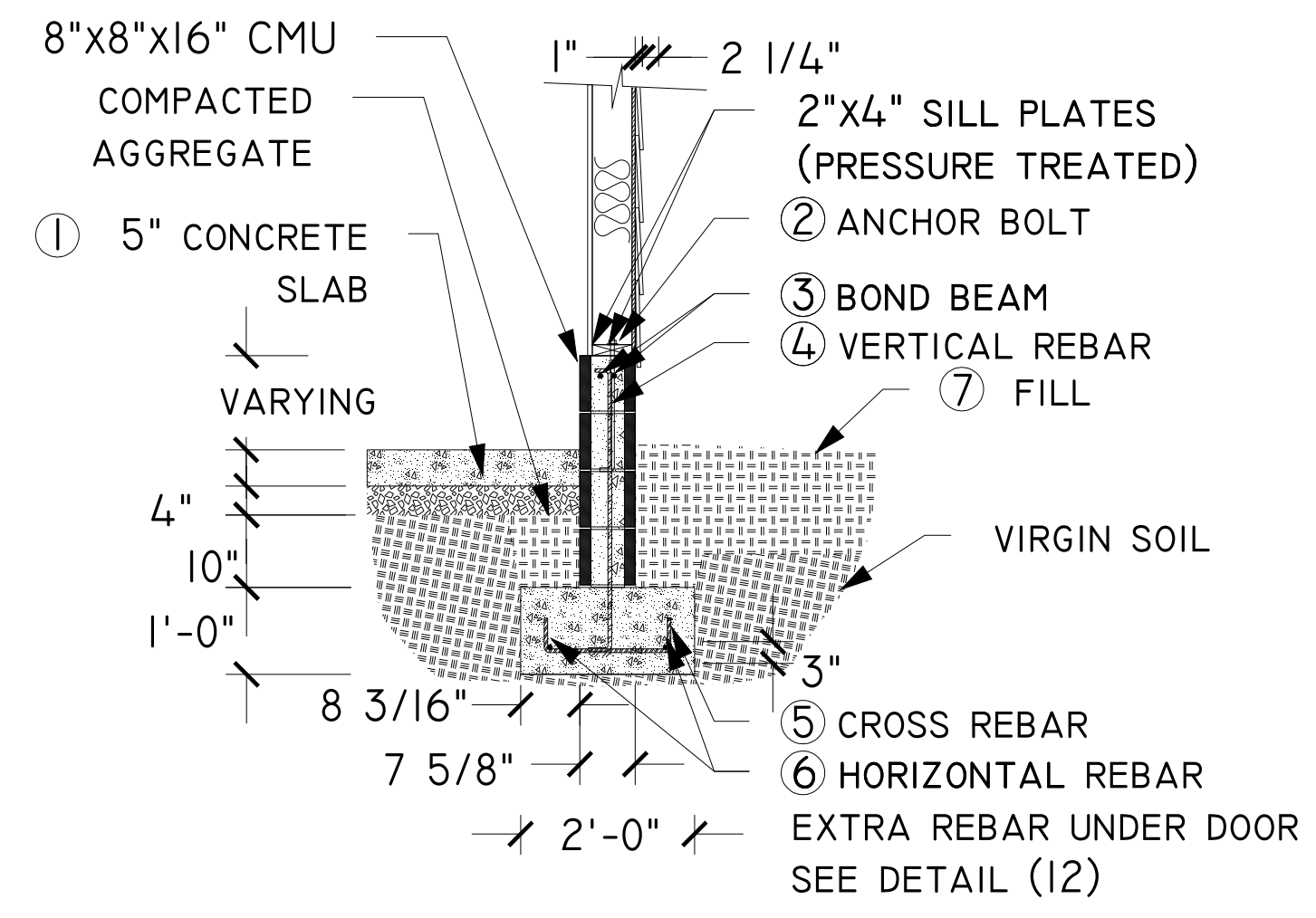
SI.05

**General Notes**

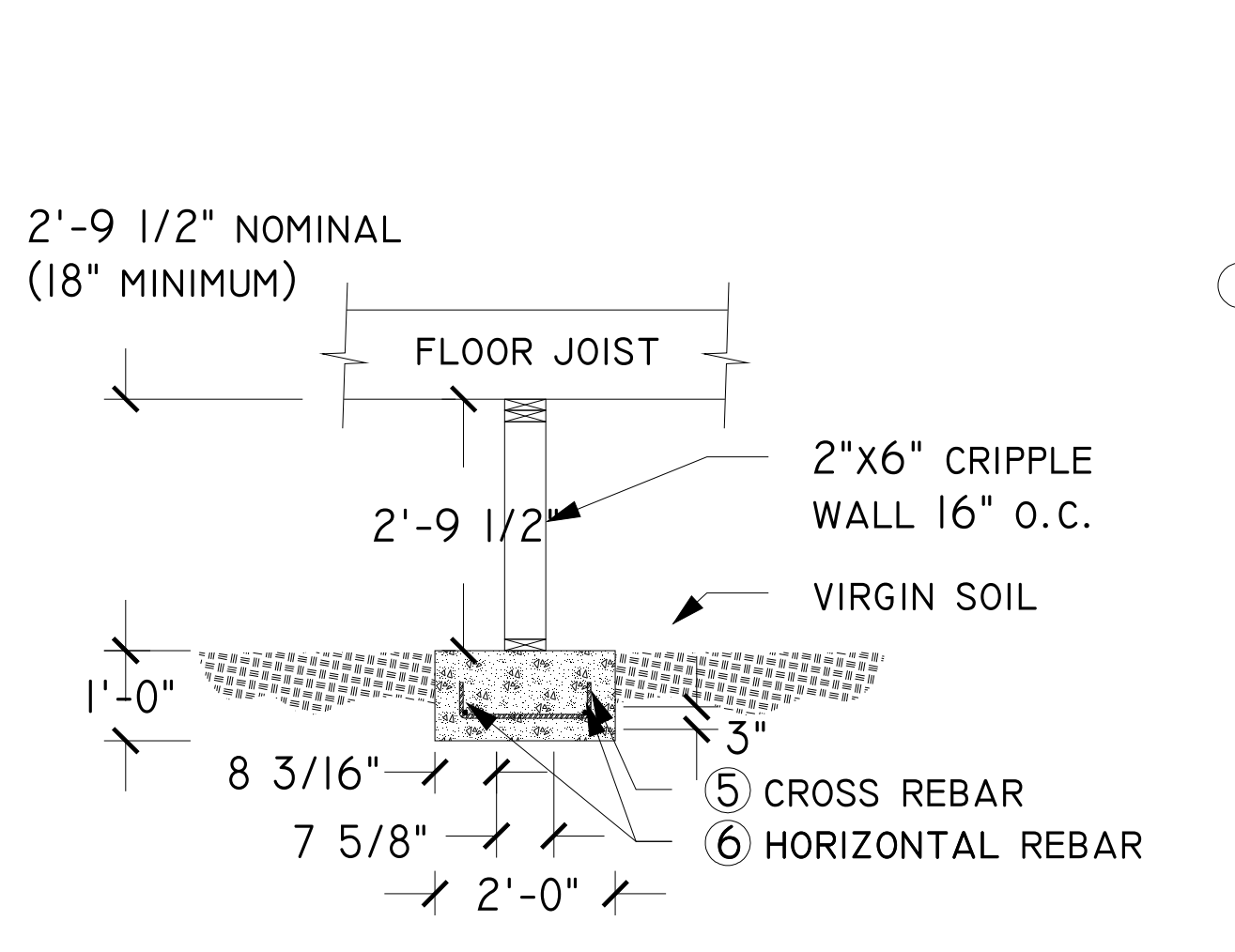
No.	Revision/Issue	Date



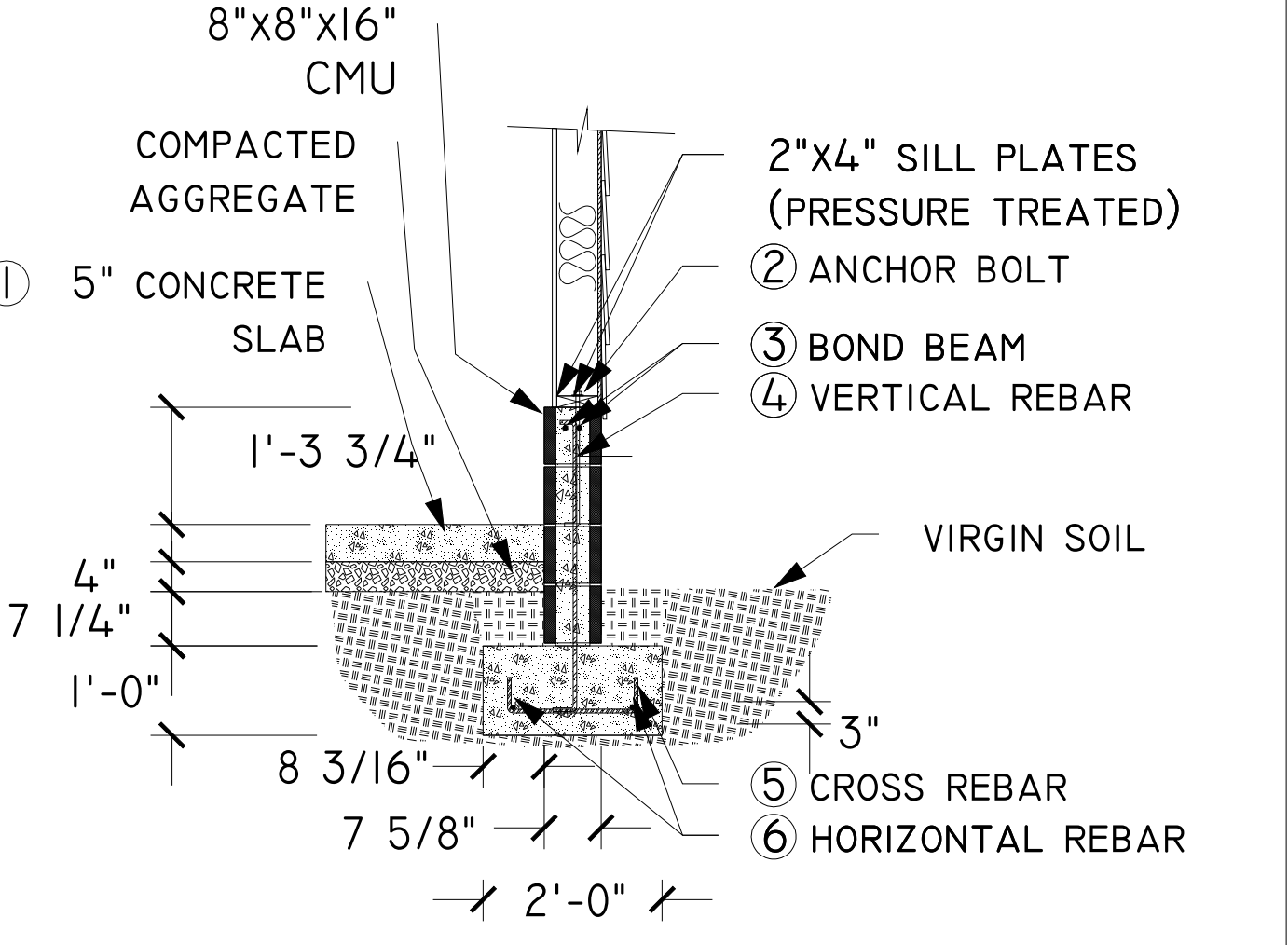
1 TYPICAL FOOTER AND STEM WALL SECTION  
1/2" = 1'-0"



2 GARAGE FOOTER AND STEM WALL SECTION  
1/2" = 1'-0"



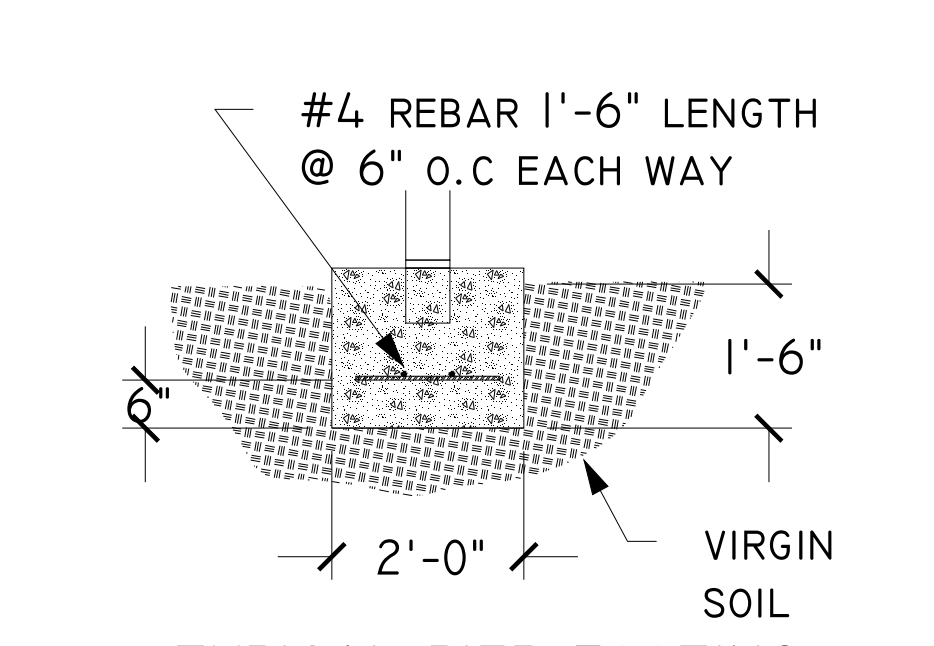
3 CRAWLSPACE FOOTER AND WALL SECTION  
1/2" = 1'-0"



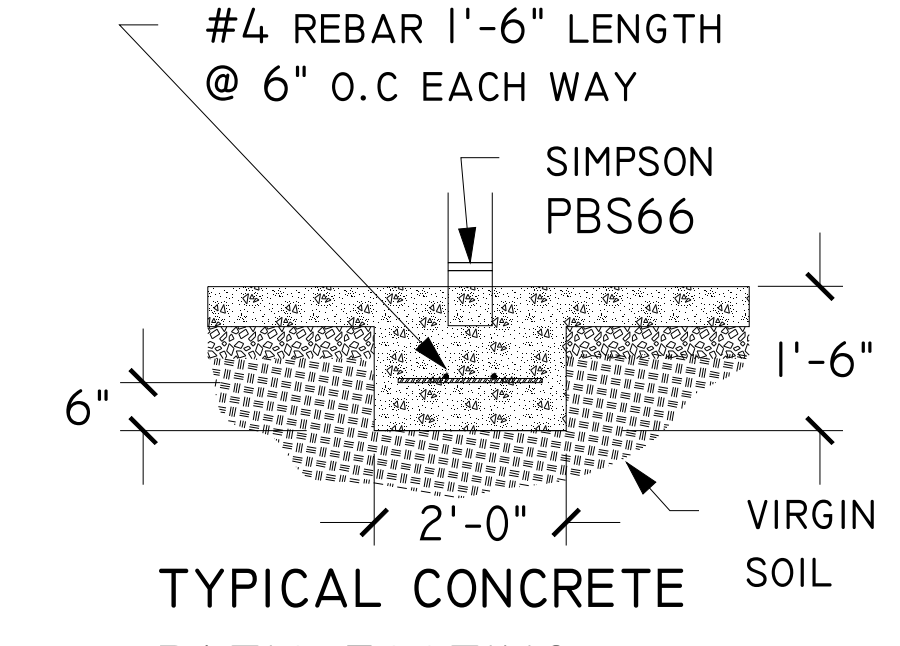
4 GARAGE FOOTER AND STEM WALL SECTION  
1/2" = 1'-0"

DETAIL KEYNOTES

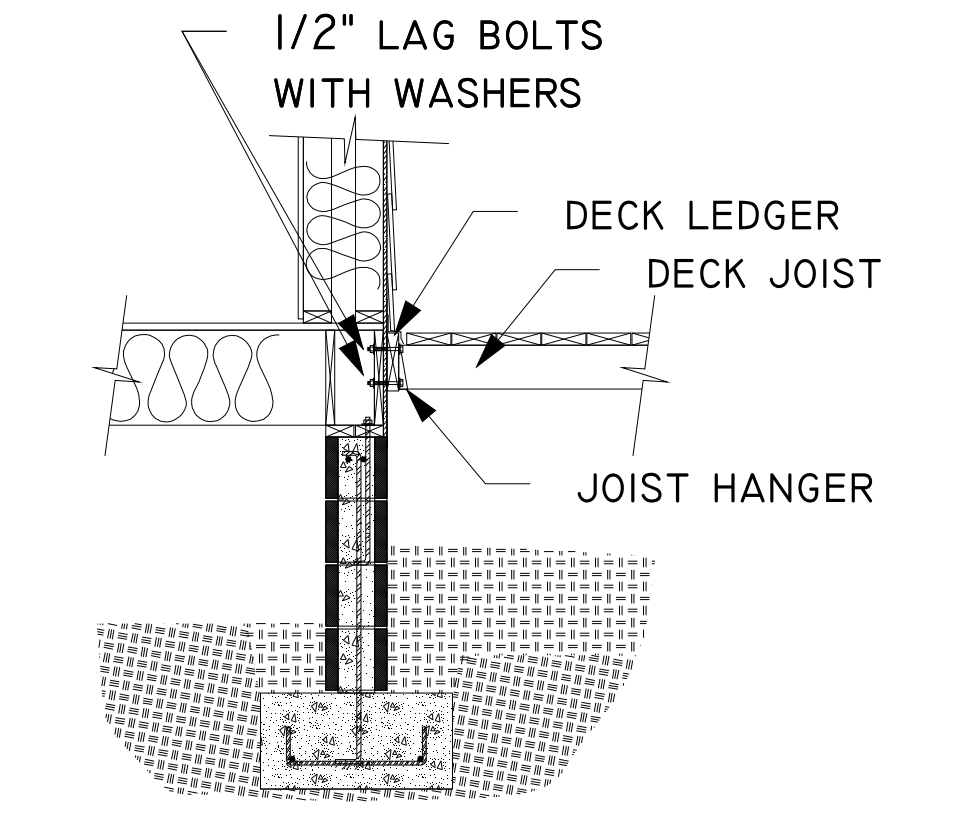
1. CONCRETE SLAB 5" THICK WITH #4 REBAR @ 24" O.C EACH WAY OVER 4" COMPACTED AGGREGATE BASE.
2. SIL PLATE ANCHOR BOLTS SHALL BE MINIMUM OF 1/2" DIAMETER AND EXTEND AT LEAST 7" INTO GROUTED CELLS OF CMUS. THERE SHALL BE A MINIMUM OF TWO BOLTS PER PLATE SECTION WITH ONE BOLT NOT LOCATED MORE THAN 12" FROM EACH END OF THE PLATE SECTION
3. THERE SHALL BE AT LEAST ONE 5/8" DIAMETER ANCHOR BOLT PER EACH LOAD BEARING COLUMN AND THE BOLT SHALL EXTEND AT LEAST 20-5/8" INTO GROUTED CMUS.
4. BOND BEAM - (2) #4 REBAR CONTINUOUS WITHIN 12" FROM TOP OF STEM WALL
5. VERTICAL REBAR - #4 REBAR 4' O.C. SHALL EXTEND BETWEEN 3" AND 4" FROM BOTTOM OF FOOTING AND HAVE A STANDARD HOOK EXTEND A MINIMUM OF 14" INTO THE STEM WALL
6. HORIZONTAL REBAR - (2) #4 REBAR CONTINUOUS MINIMUM 3" FROM BOTTOM OF FOOTING
7. CROSS REBAR - #4 REBAR 2' O.C. IN LINE WITH VERTICAL REBAR
8. PAD AREA GRADED TO SLOPED AWAY FROM BUILDING AT A MINIMUM OF 6" VERTICAL IN THE FIRST 10' AS MEASURED PERPENDICULAR FROM STEM WALL.



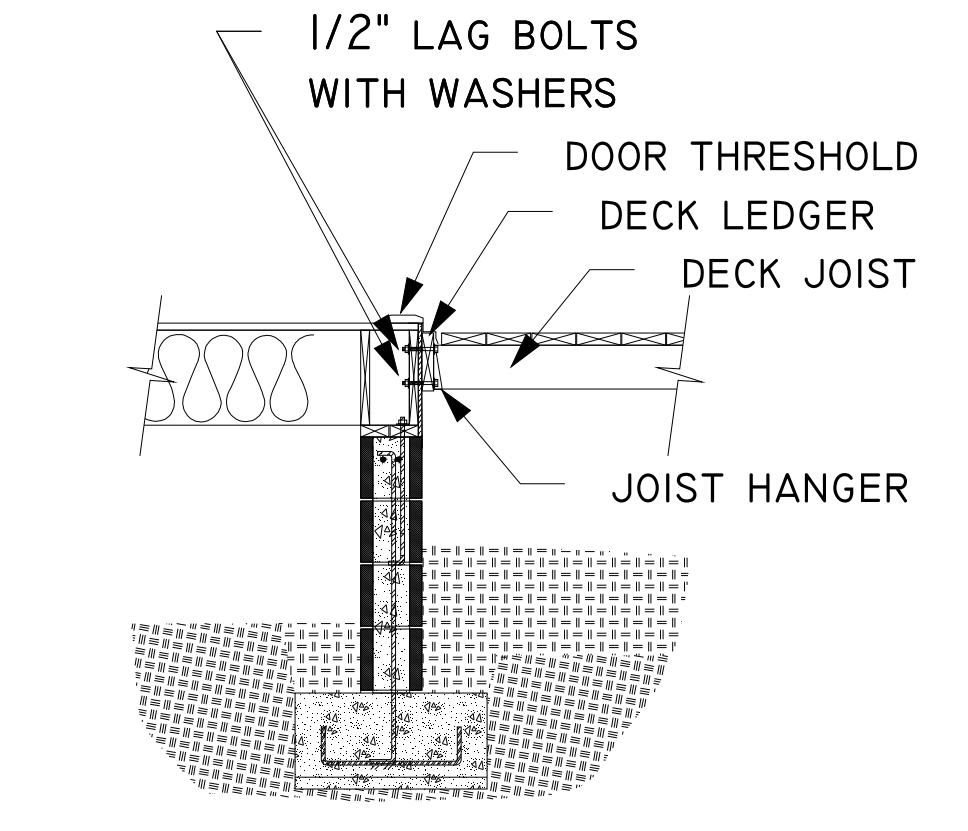
5 TYPICAL PIER FOOTING  
1/2" = 1'-0"



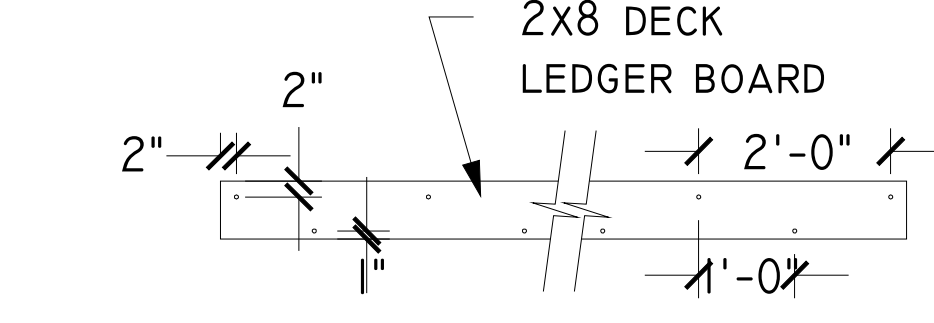
6 TYPICAL CONCRETE PATIO FOOTING  
1/2" = 1'-0"



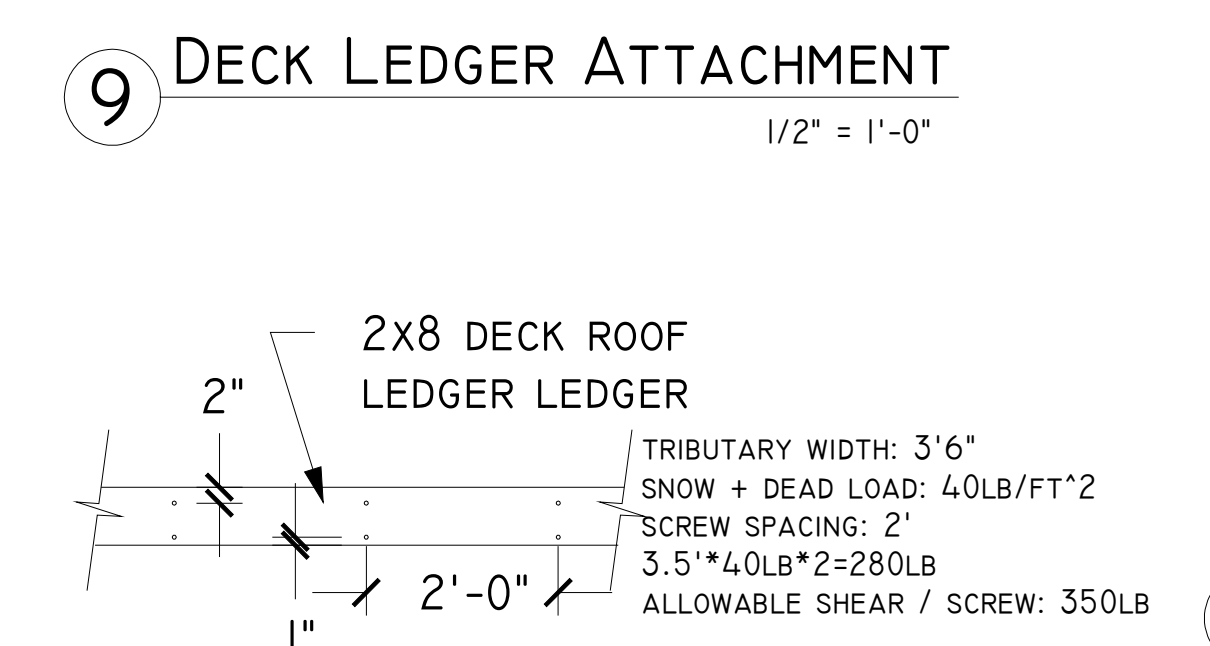
7 DECK ATTACHMENT AT WALL  
1/2" = 1'-0"



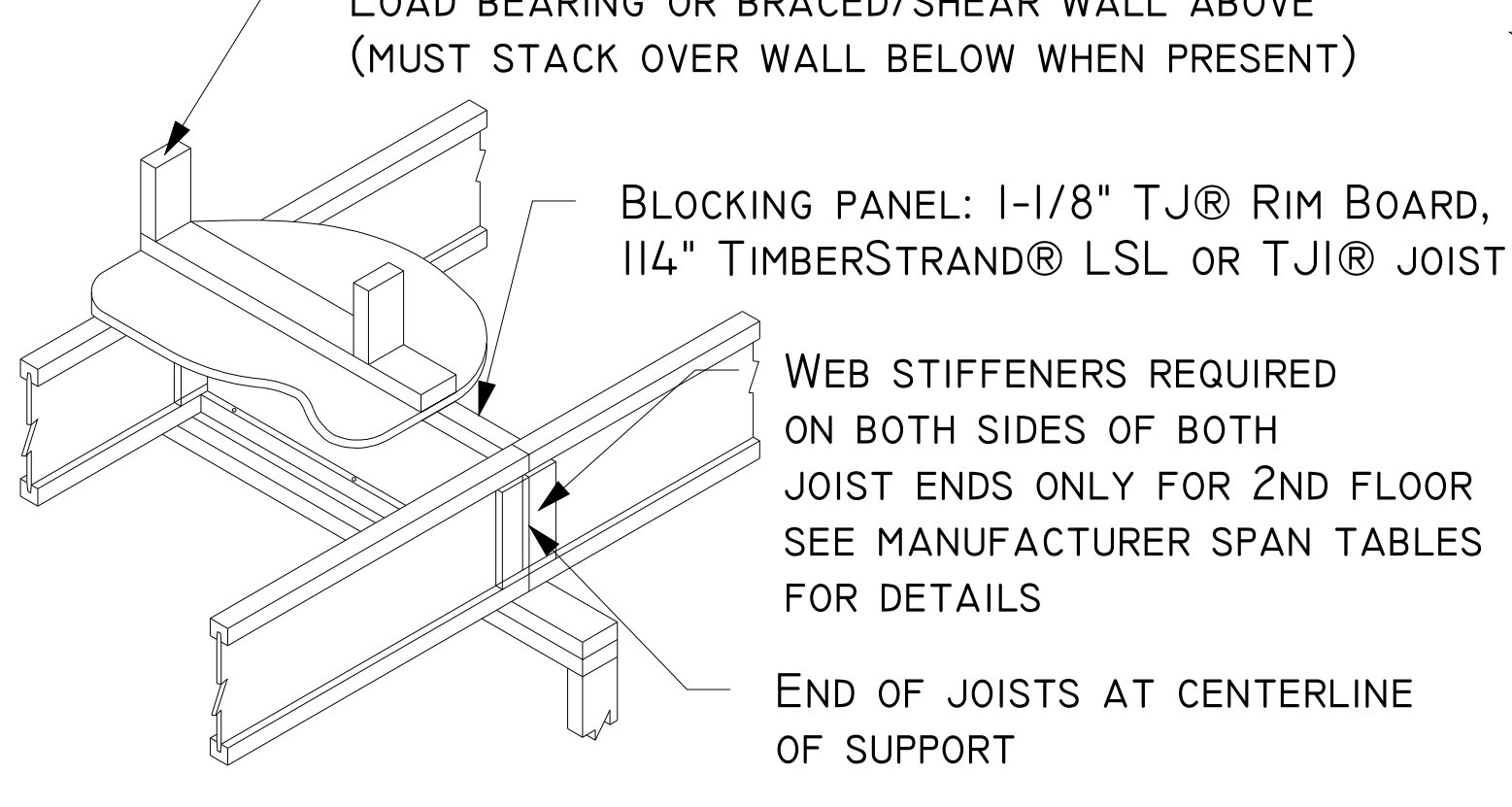
8 DECK ATTACHMENT AT DOOR  
1/2" = 1'-0"



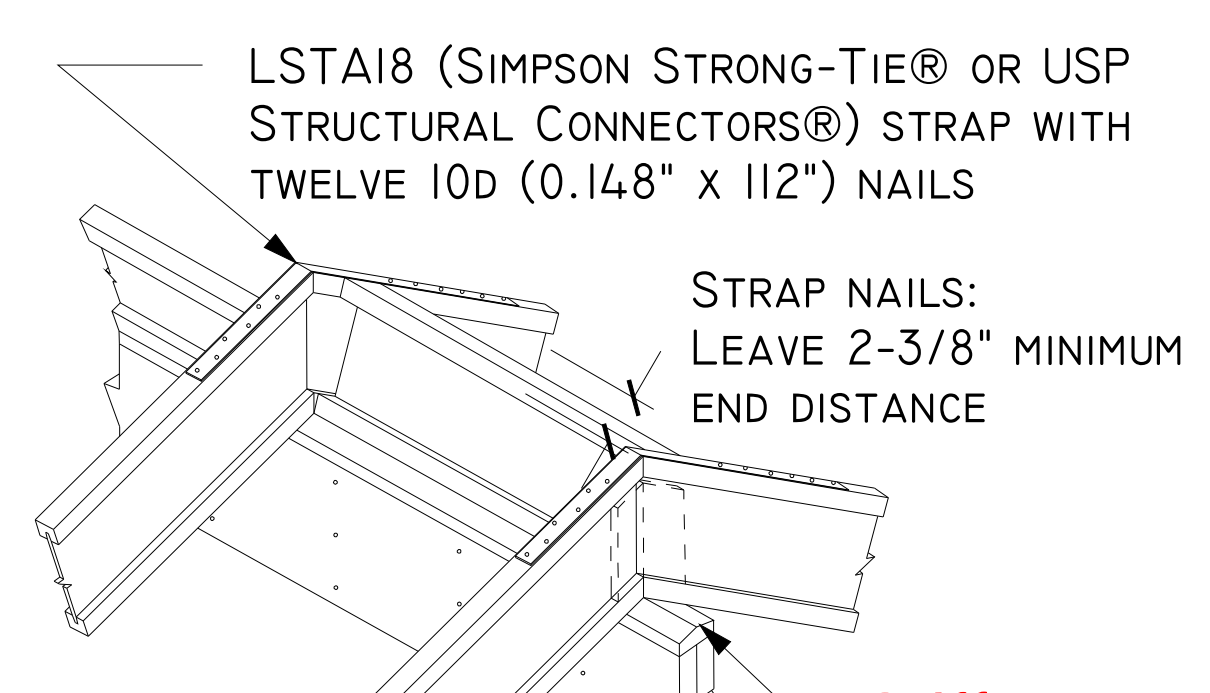
9 DECK LEDGER ATTACHMENT  
1/2" = 1'-0"



10 DECK ROOF ATTACHMENT AT WALL  
1/2" = 1'-0"



11 DECK ROOF LEDGER ATTACHMENT  
1/2" = 1'-0"

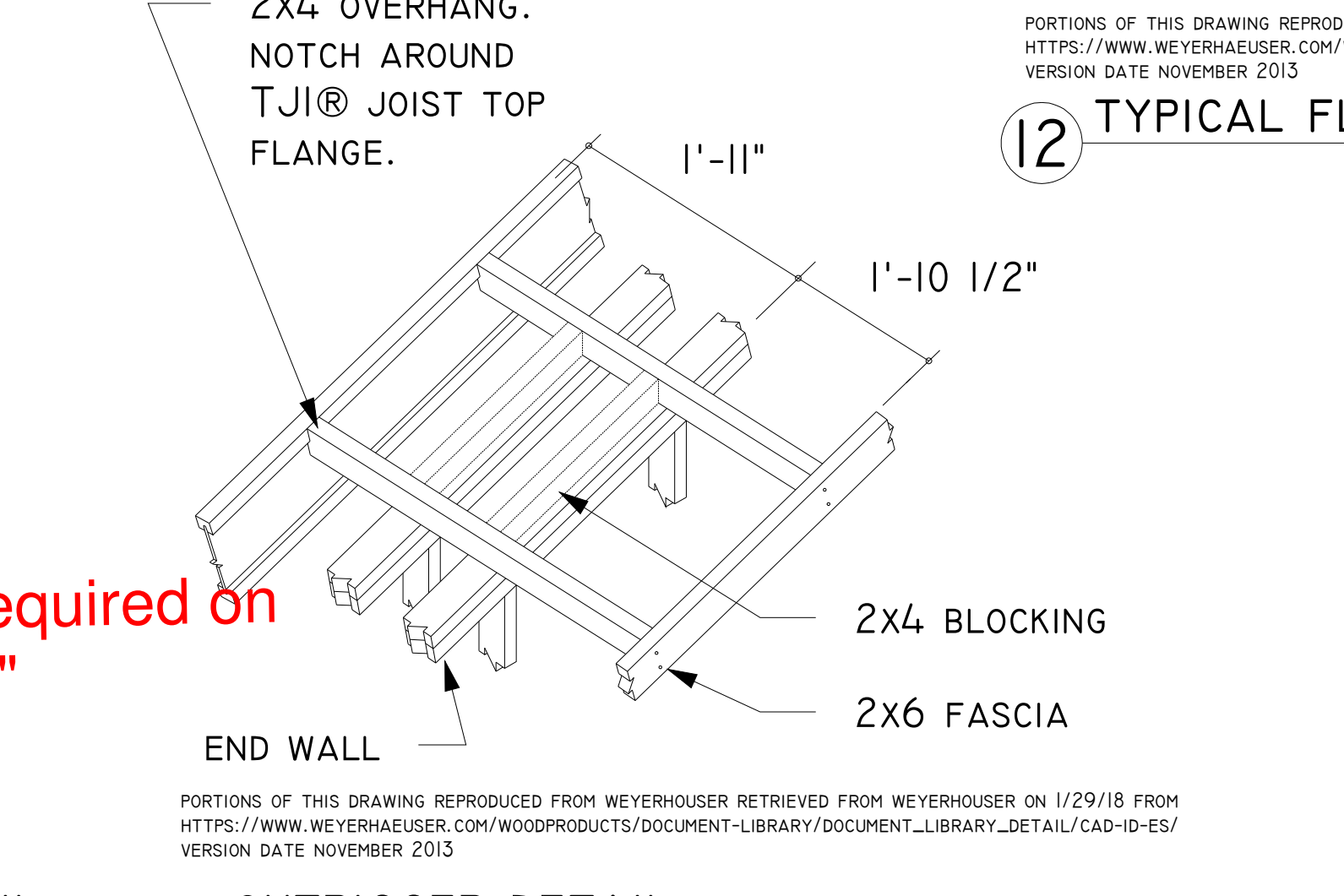


12 TYPICAL FLOOR JOIST OVER BEARING WALL  
1/2" = 1'-0"

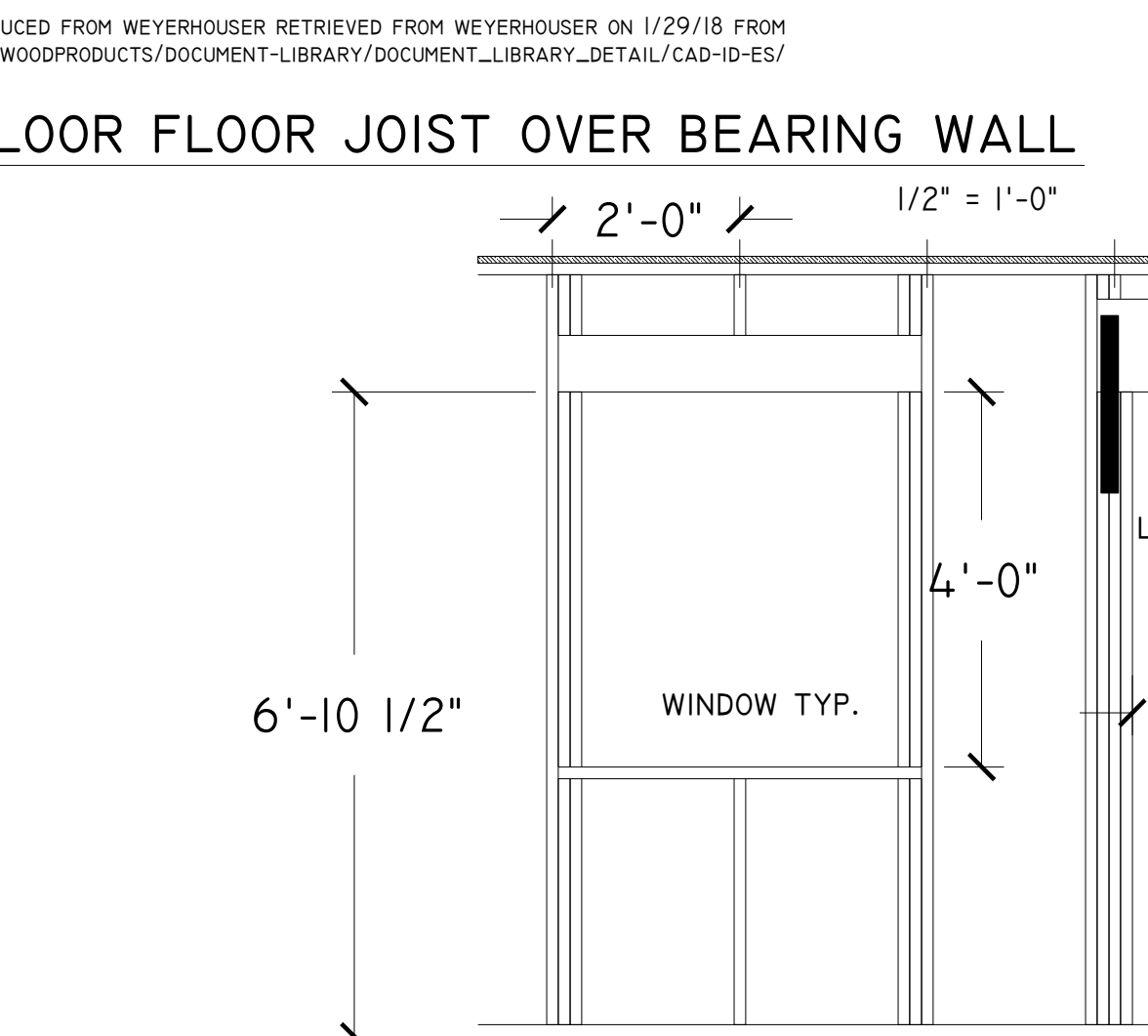
13 FACEMOUNT RIDGEBEAM ROOF TRUSS DETAIL  
NOT TO SCALE



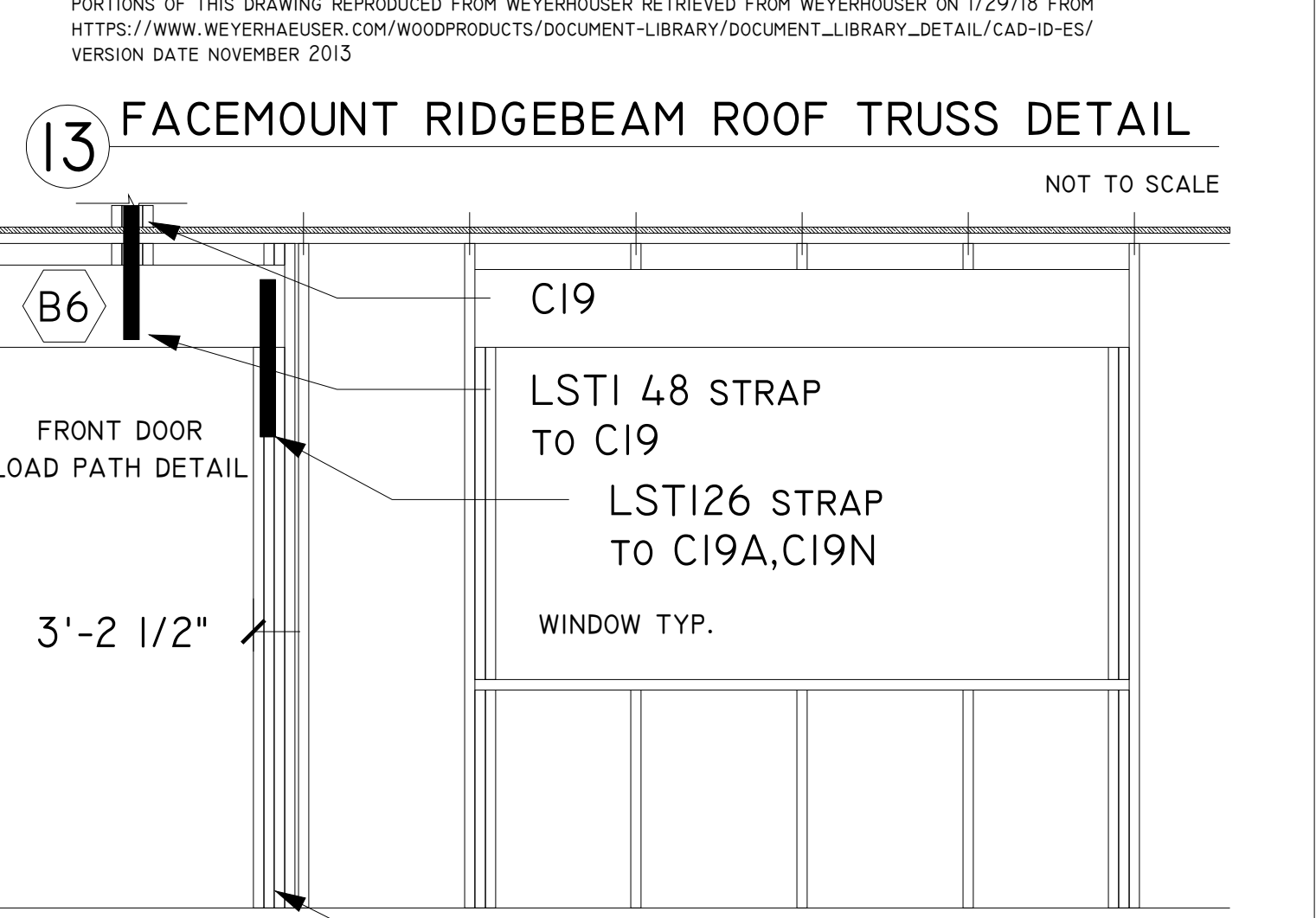
14 TOP MOUNT DROP RIDGE BEAM / TJI DETAIL  
NOT TO SCALE



15 OUTRIGGER DETAIL  
NOT TO SCALE



16 TYPICAL STUD WALL FRAMING  
1/2" = 1'-0"



16 TYPICAL STUD WALL FRAMING  
1/2" = 1'-0"

General Notes		
No.	Revision/Issue	Date

STRUCTURAL DETAIL VIEWS

GOLDENSTEIN RESIDENCE  
10685 E ROCKY HILL RD  
DEWEY, AZ 86327

Drawn By ADAM GOLDENSTEIN	Sheet SI.06
Date 3/15/18	
Scale 1/4" = 1'-0"	

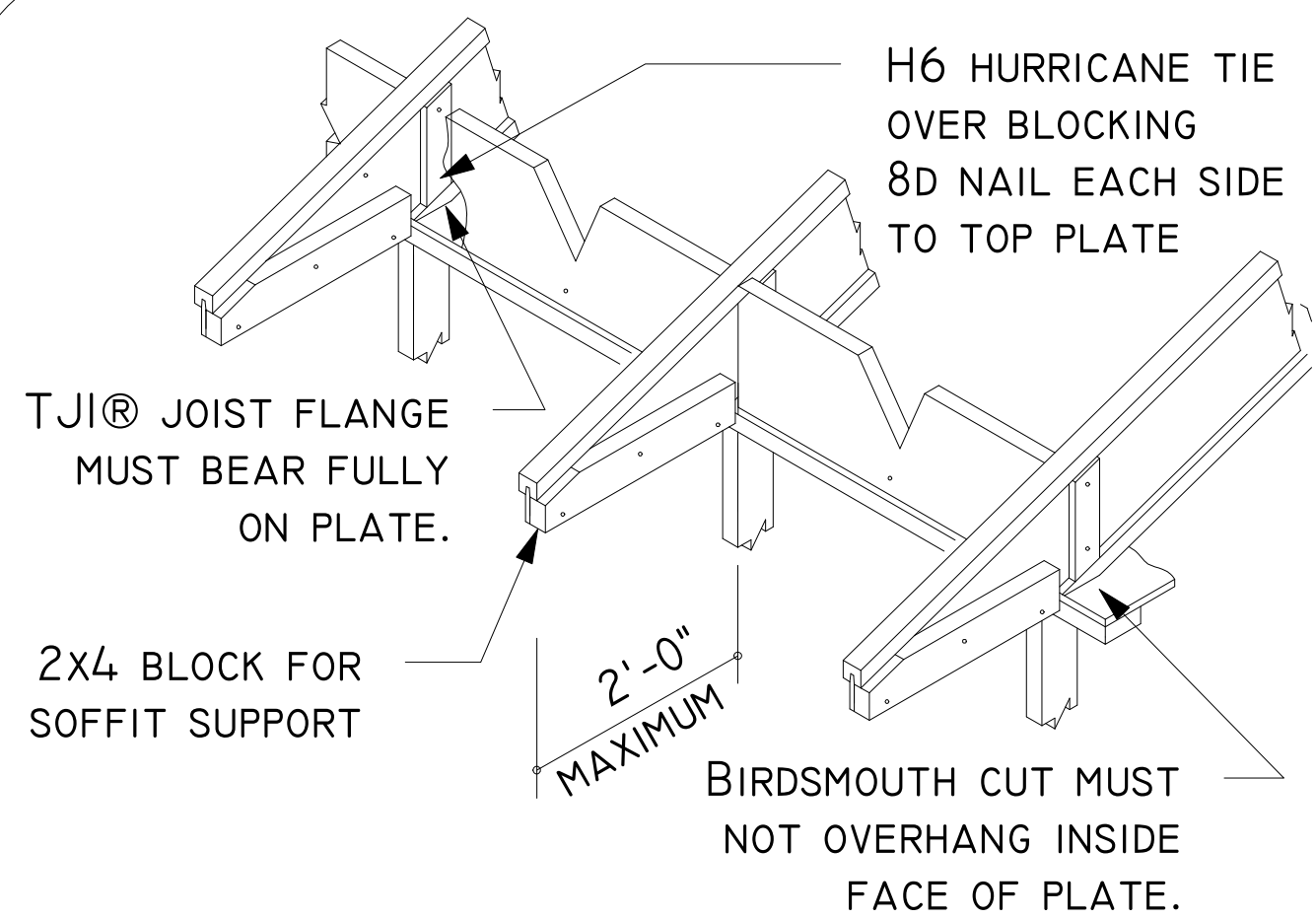
Weyerhaeuser says "Web Stiffener required on both sides at R14W ONLY" Not sure if I need them?

PORTIONS OF THIS DRAWING REPRODUCED FROM WEYERHAEUSER RETRIEVED FROM WEYERHAEUSER ON 1/29/18 FROM [HTTPS://WWW.WEYERHAEUSER.COM/WOODPRODUCTS/DOCUMENT-LIBRARY/DOCUMENT\\_LIBRARY\\_DETAIL/CAD-ID-ES/](https://www.weyerhaeuser.com/woodproducts/document-library/document_library_detail/cad-id-es/) VERSION DATE NOVEMBER 2013

PORTIONS OF THIS DRAWING REPRODUCED FROM WEYERHAEUSER RETRIEVED FROM WEYERHAEUSER ON 1/29/18 FROM [HTTPS://WWW.WEYERHAEUSER.COM/WOODPRODUCTS/DOCUMENT-LIBRARY/DOCUMENT\\_LIBRARY\\_DETAIL/CAD-ID-ES/](https://www.weyerhaeuser.com/woodproducts/document-library/document_library_detail/cad-id-es/) VERSION DATE NOVEMBER 2013

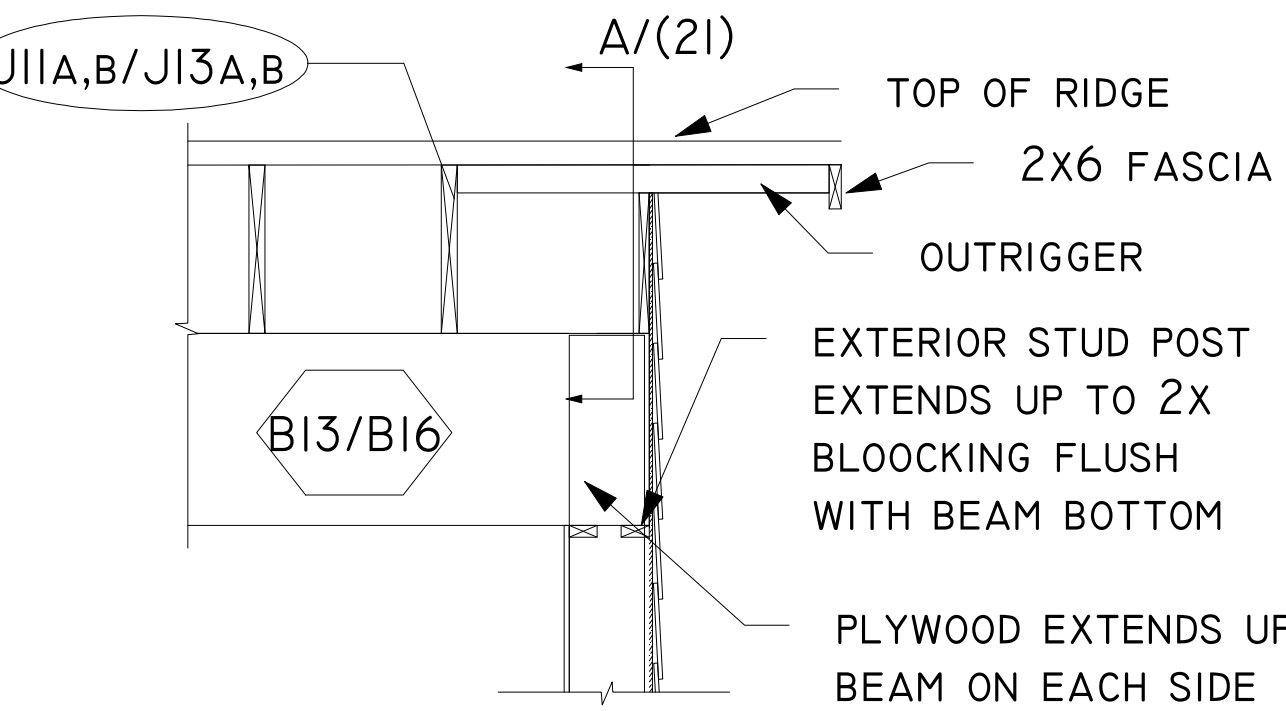
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PORTIONS OF THIS DRAWING REPRODUCED FROM WEYERHAEUSER RETRIEVED FROM WEYERHAEUSER ON 1/29/18 FROM [HTTPS://WWW.WEYERHAEUSER.COM/WOODPRODUCTS/DOCUMENT-LIBRARY/DOCUMENT\\_LIBRARY\\_DETAIL/CAD-ID-ES/](https://www.weyerhaeuser.com/woodproducts/document-library/document_library_detail/cad-id-es/) VERSION DATE NOVEMBER 2013

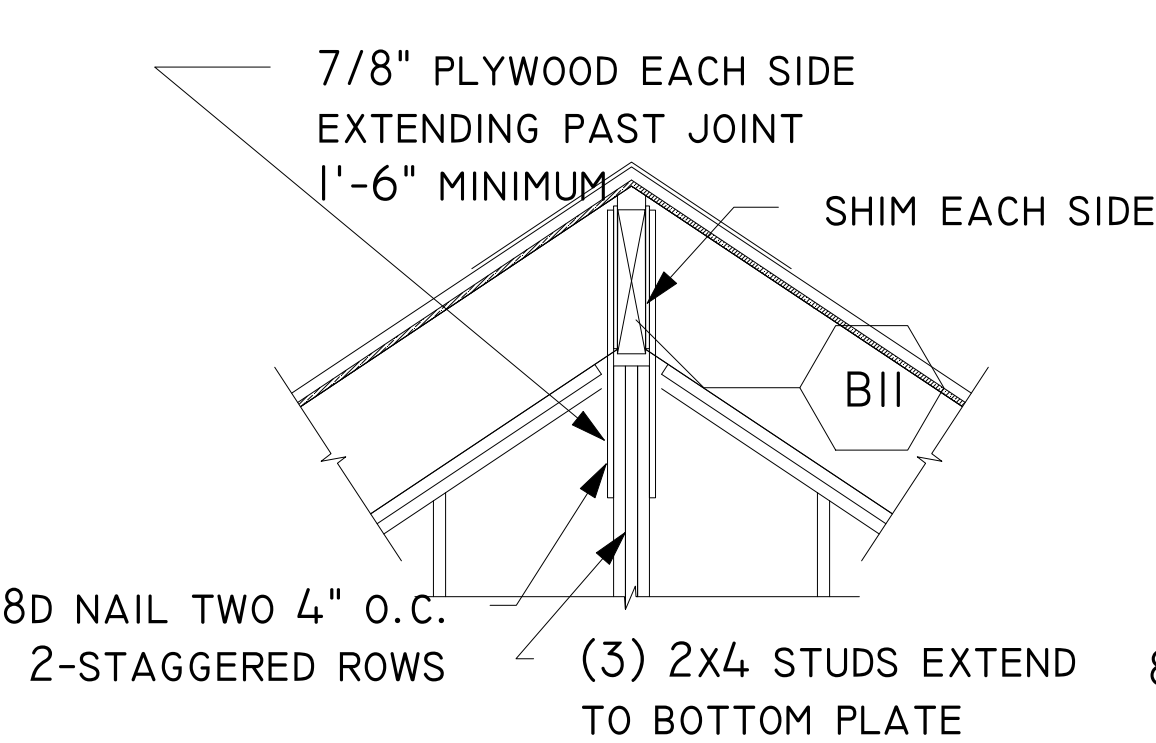


17 TYPICAL TJI END BEARING DETAIL  
NOT TO SCALE

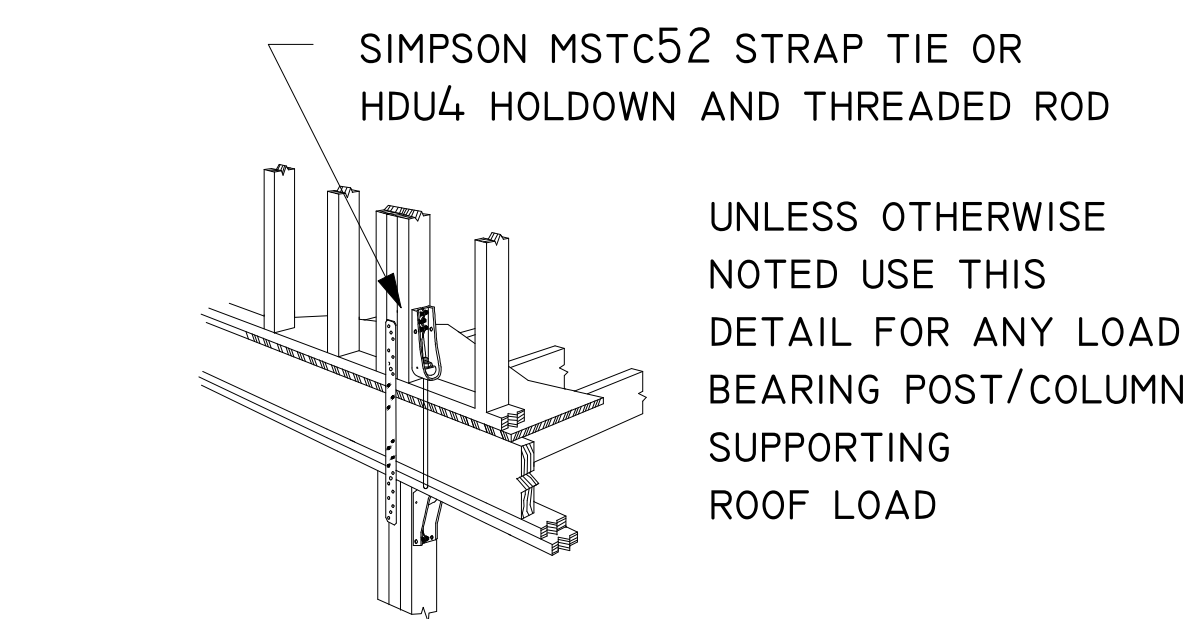
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21 DROP BEAM AT EXTERIOR WALL  
1/2" = 1'-0"

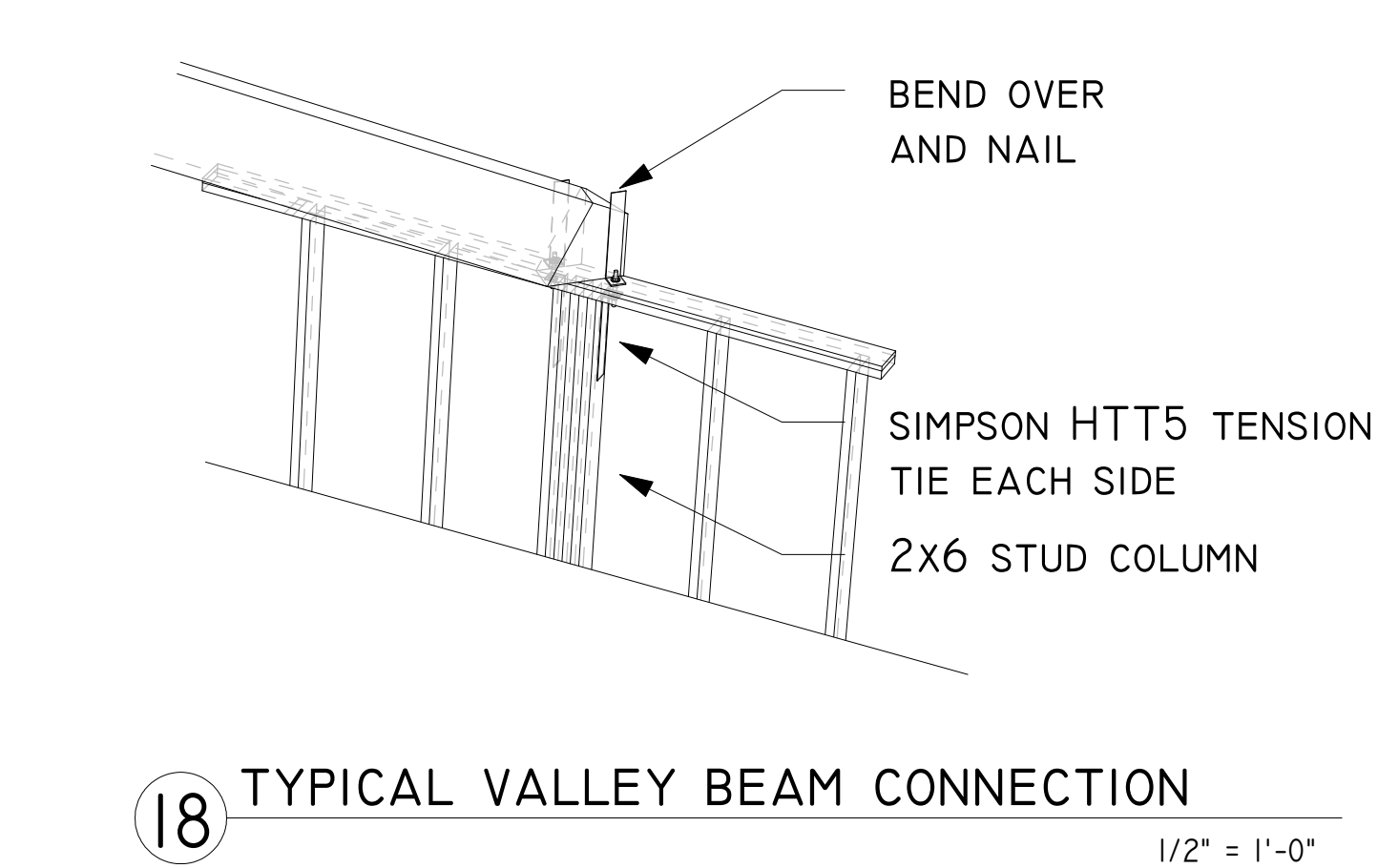


25 RIDGE BEAM / INTERIOR WALL  
1/2" = 1'-0"

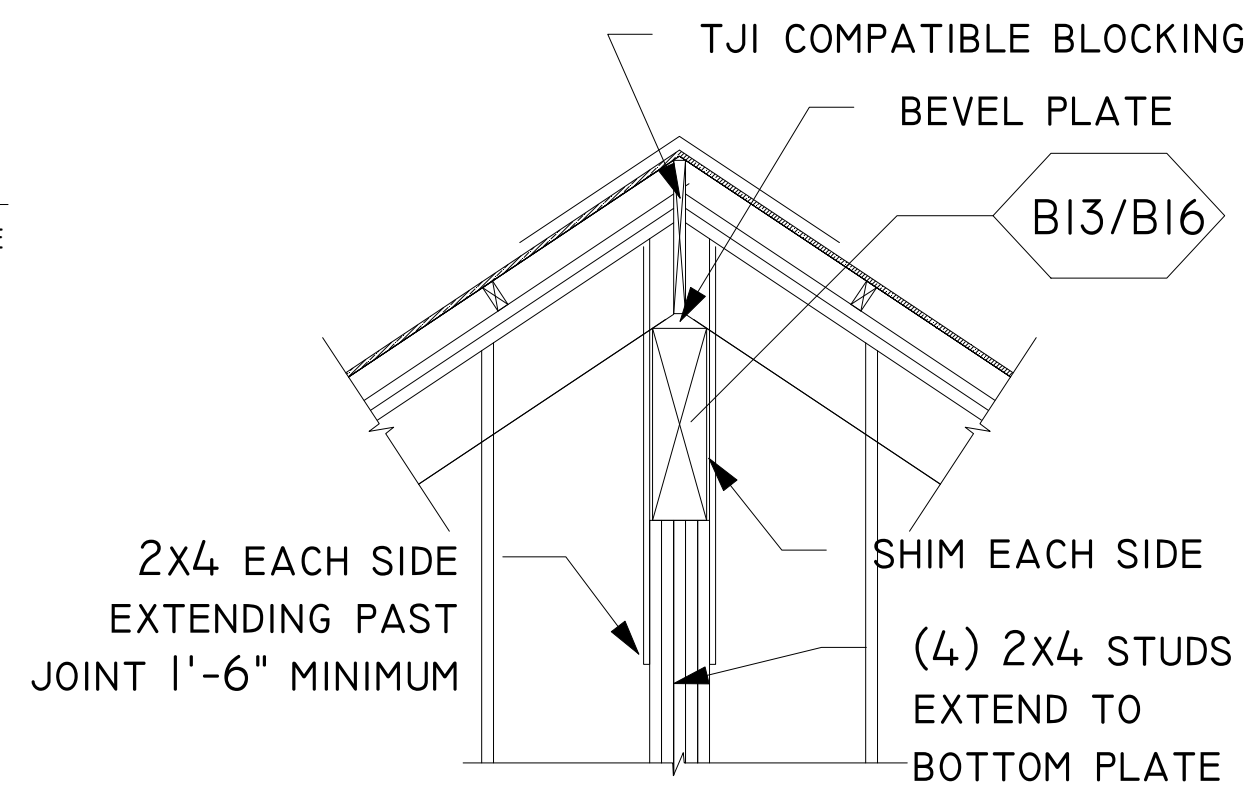


27 TYPICAL COLUMN BETWEEN FLOOR  
1/2" = 1'-0"

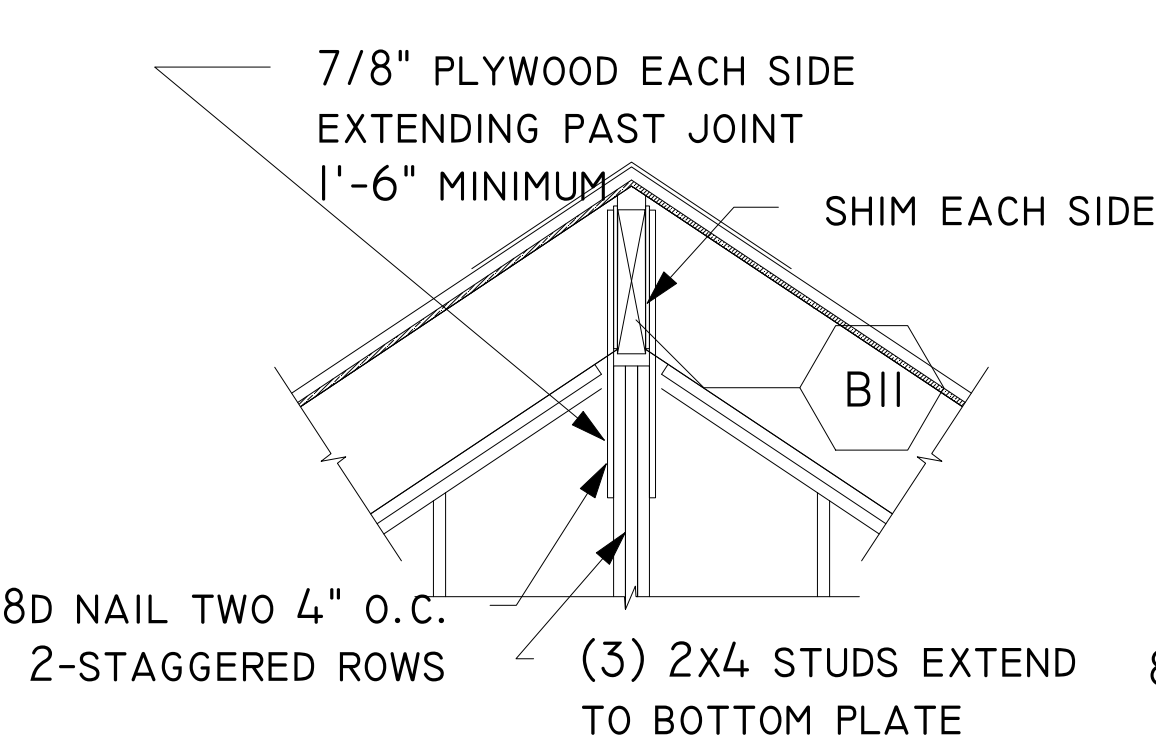
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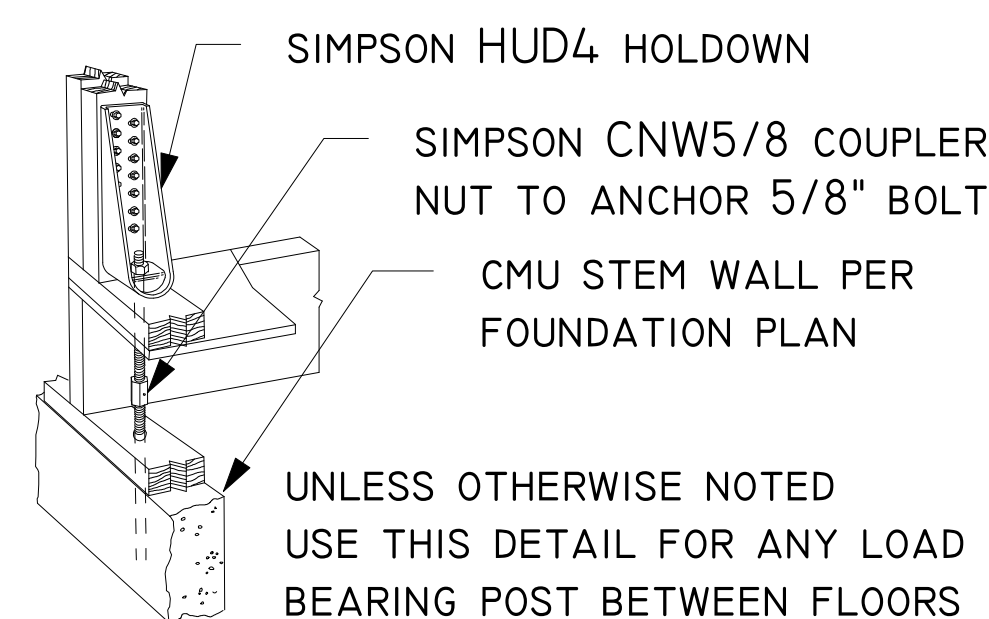
18 TYPICAL VALLEY BEAM CONNECTION  
1/2" = 1'-0"



22 SECTION A: DROP BEAM AT EXTERIOR WALL  
1/2" = 1'-0"

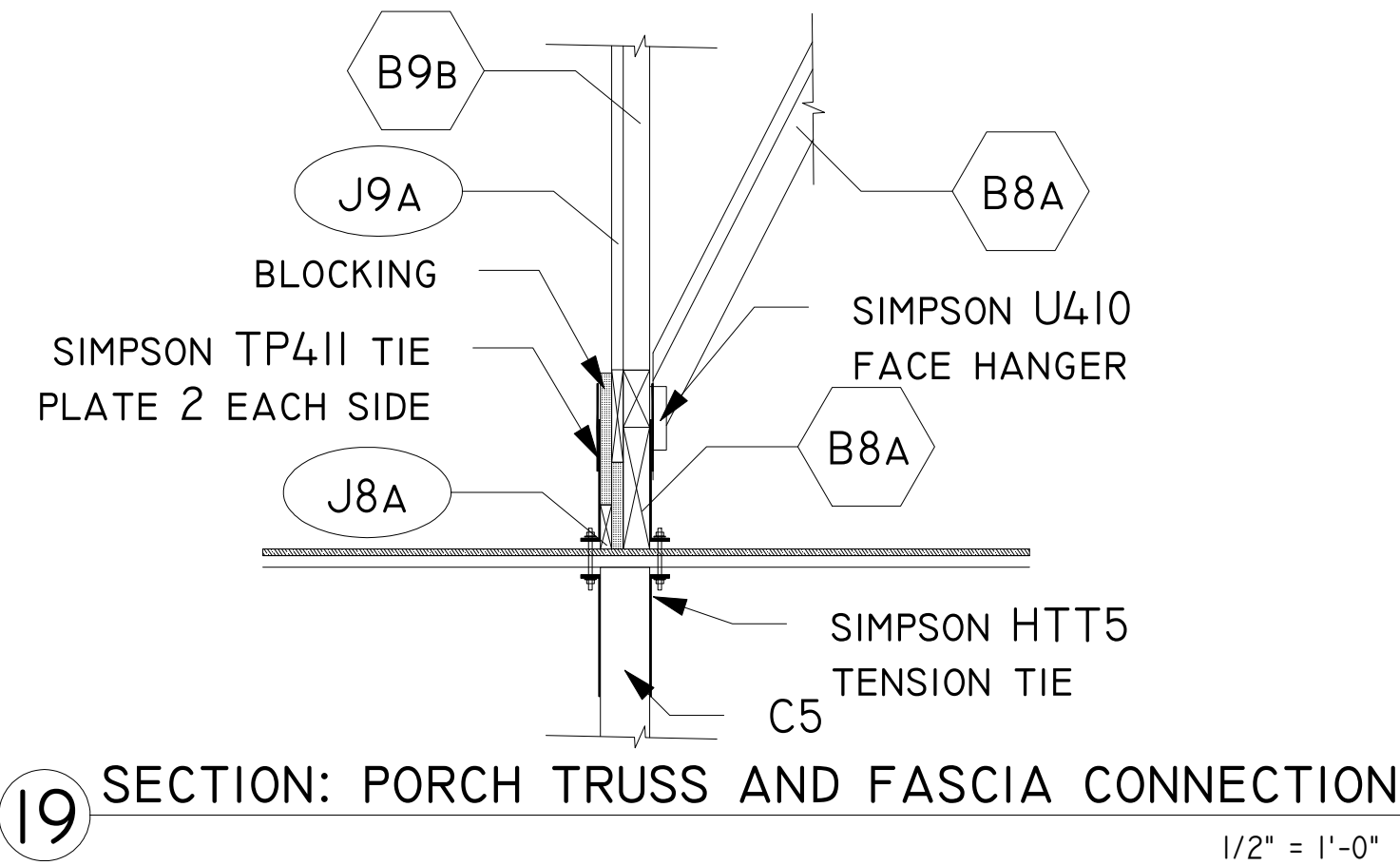


26 DROP BEAM AT INTERIOR WALL  
1/2" = 1'-0"

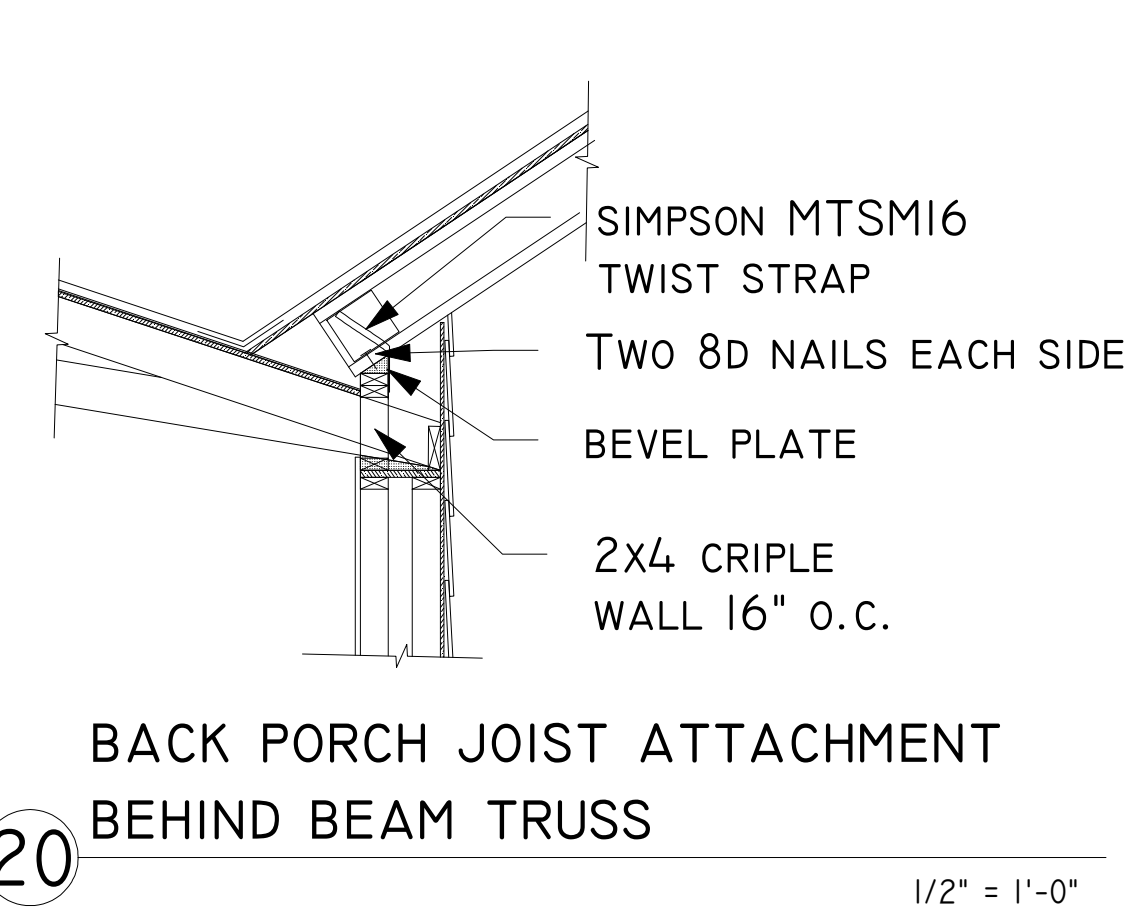


28 TYPICAL COLUMN AT STEM WALL  
1/2" = 1'-0"

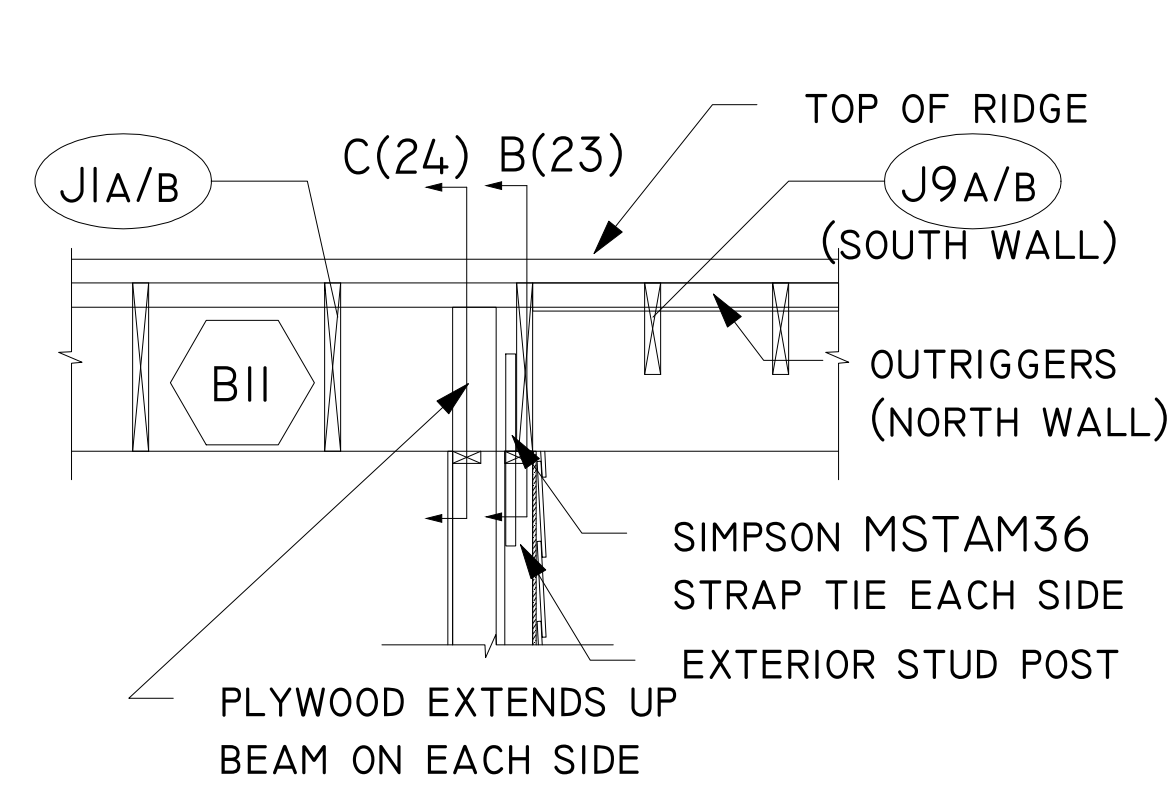
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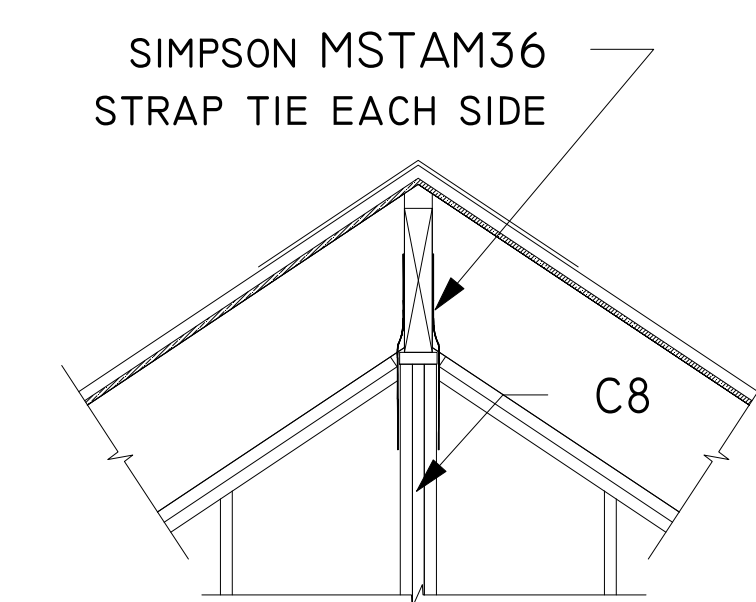
19 SECTION: PORCH TRUSS AND FASCIA CONNECTION  
1/2" = 1'-0"



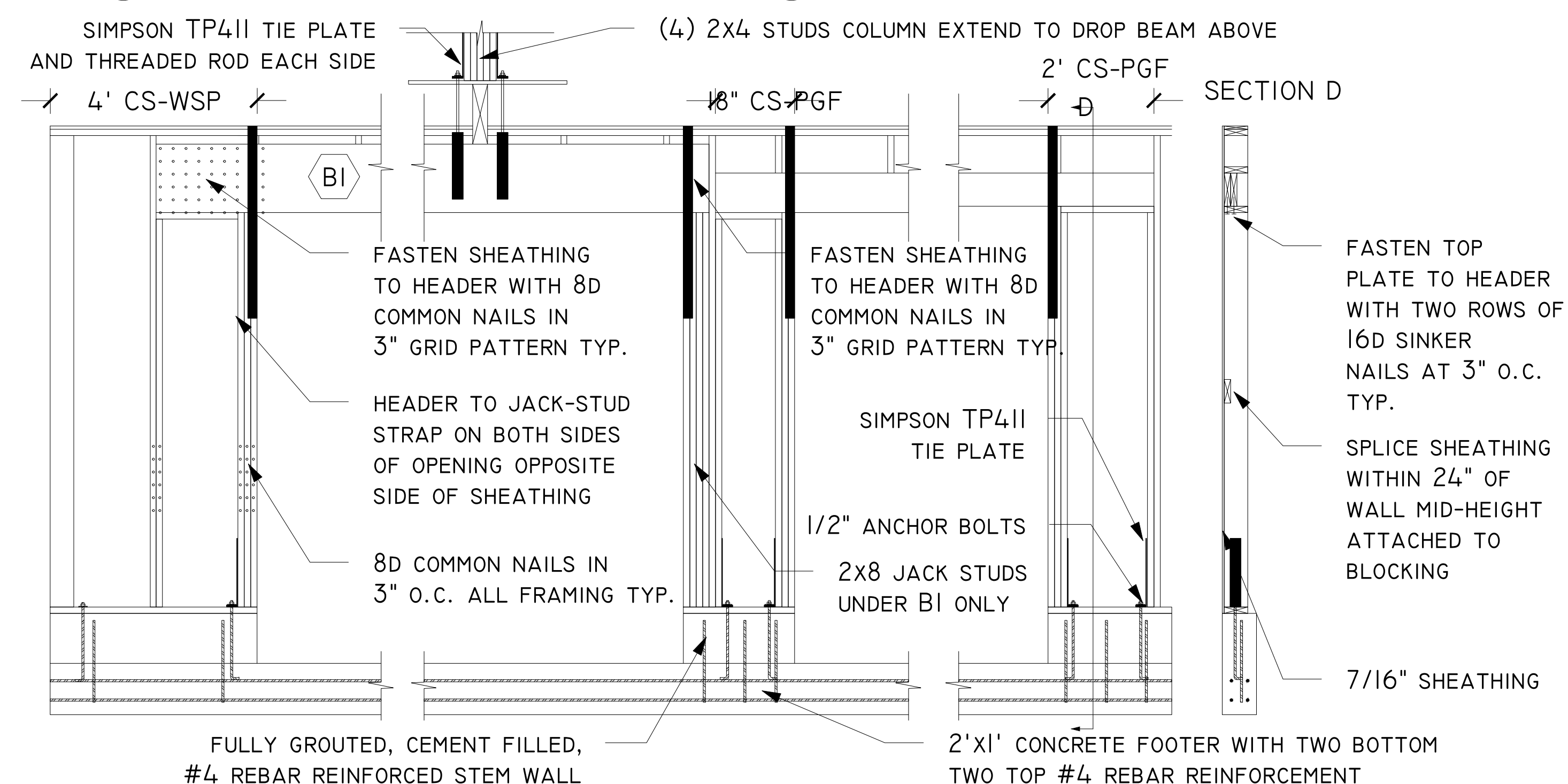
20 BACK PORCH JOIST ATTACHMENT BEHIND BEAM TRUSS  
1/2" = 1'-0"



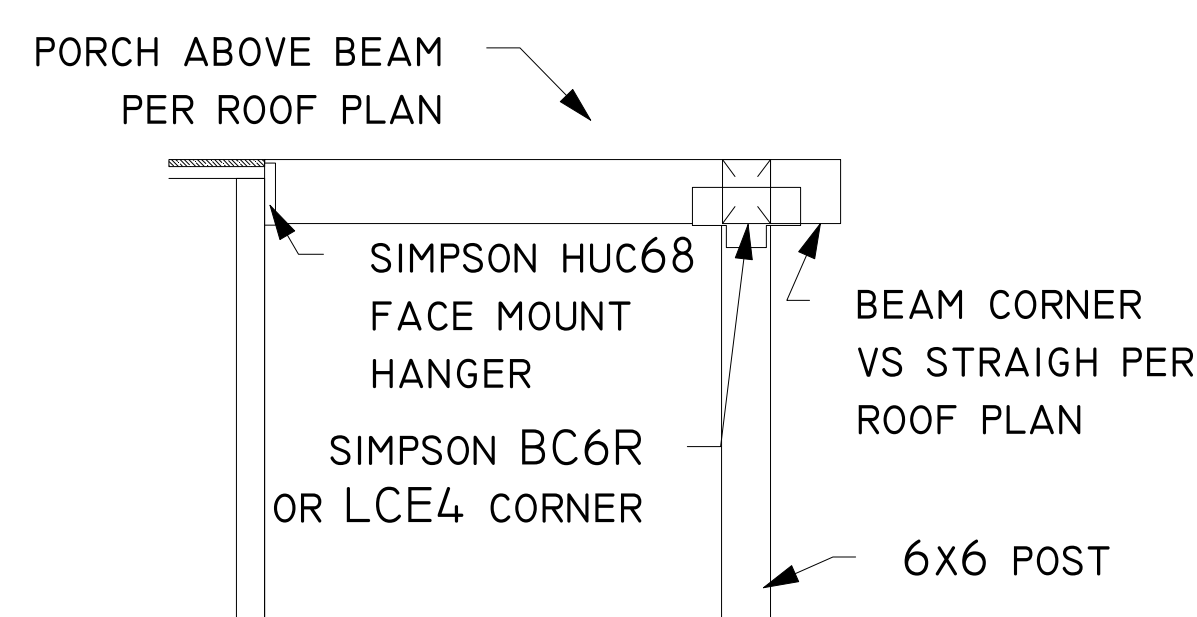
23 RIDGE BEAM AT WALL  
1/2" = 1'-0"



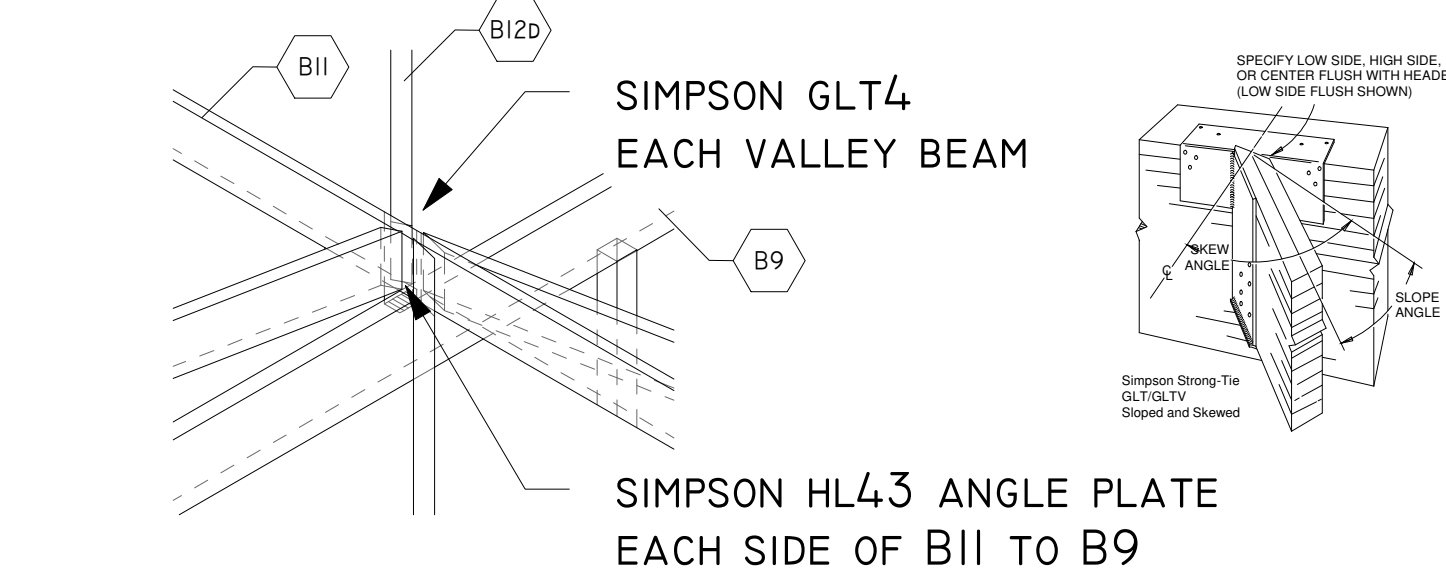
24 SECTION B: RIDGE BEAM / EXTERIOR WALL  
1/2" = 1'-0"



29 PORTAL FRAME OPENING AT GARAGE DOORS  
NOT TO SCALE



30 TYPICAL PORCH EXTENSION  
1/2" = 1'-0"



31 CROSS GABLE APEX  
NOT TO SCALE

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General Notes

No. Revision/Issue Date

STRUCTURAL DETAIL VIEWS

GOLDENSTEIN RESIDENCE  
10685 E ROCKY HILL RD  
DEWEY, AZ 86327

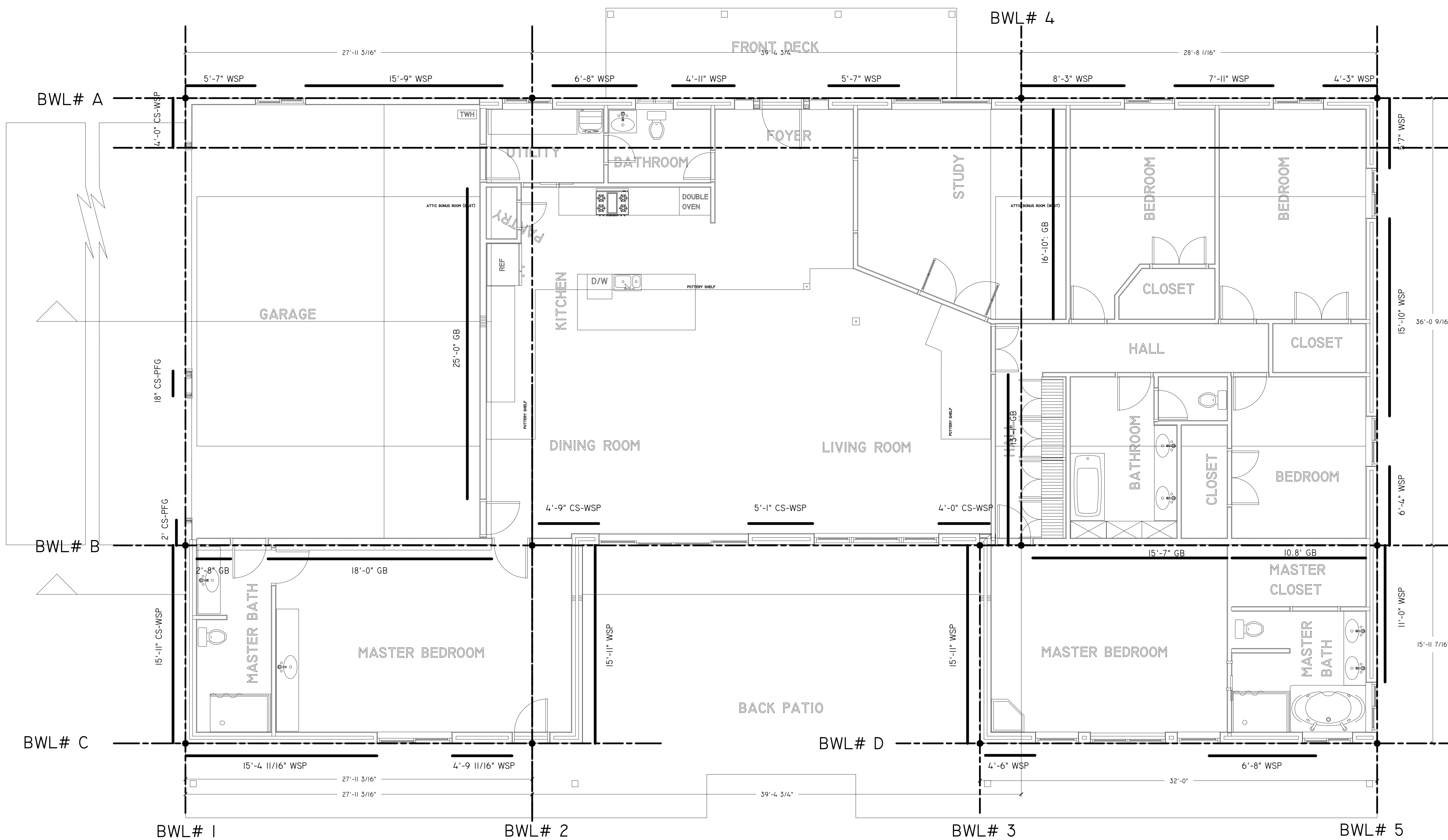
Drawn By  
ADAM GOLDENSTEIN  
Date  
3/15/18  
Scale  
1/4" = 1'-0"

Sheet

SI.07



BRACED WALL CALCULATIONS (PER R602.10.3 WITH APPLICABLE ADJUSTMENTS)							
WALL #	CEILING HEIGHT	OPENING HEIGHT ADJACENT TO BRACED WALL	TYPE(S) OF BRACED WALL PANEL	DISTANCE BETWEEN BRACED WALLS	REQUIRED TOTAL LENGTH OF BRACING	PROVIDED TOTAL LENGTH OF BRACING	NOTES
A 1-2	9'		WSP	28'-5"	11.2'	21'-4"	
A 2-4	8'		WSP	38'-7"	15.3'	17'-4"	
A 4-5	8'		WSP	28'-11"	11.2'	20'-5"	
B 1-2	8'		GB	28'-5"	19.3'	20'-8"	
B 2-4	8'		WSP	38'-10"	12.2'	14'-0"	
B 4-5	8'		GB	28'-11"	19.3'	26'-5"	
C 1-2	8'		WSP	28'-5"	11.2'	20'-2"	
D 3-5	8'		WSP	31'-2"	12'	12'-7"	
1 A-B	8'		PFG	36'-1"	15.3'	17.9'	
1 B-C	8'		WSP	15'-11"	8.1'	15'-11"	
2 A-B	9'		GB	36'-1"	21.8'	25'-0"	
2 B-C	8'		WSP	15'-11"	8.1'	15'-11"	
3 B-D	8'		WSP	15'-11"	8.1'	15'-11"	
4 A-B	8'		GB	36'-1"	25.4'	30'-7"	
5 A-B	8'		WSP	36'-1"	15.3'	22'-3"	
5 B-C	8'		WSP	15'-11"	8.1'	11'-0"	



General Notes		
No.	Revision/Issue	Date

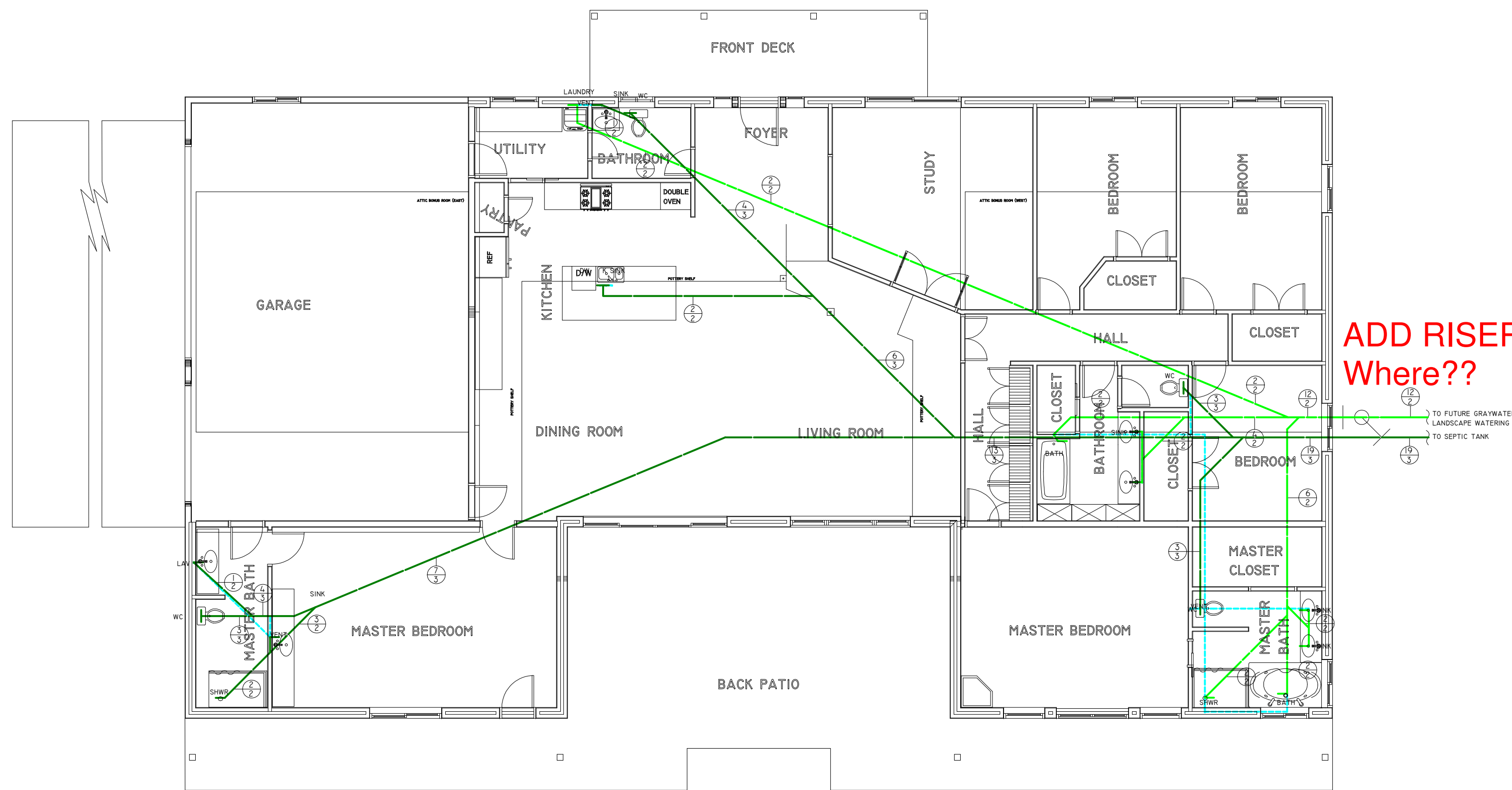
Sheet Title  
**BRACED WALL LINE PLAN**

Project Name and Address  
**GOLDENSTEIN RESIDENCE**  
 10685 E ROCKY HILL RD  
 DEWEY, AZ 86327

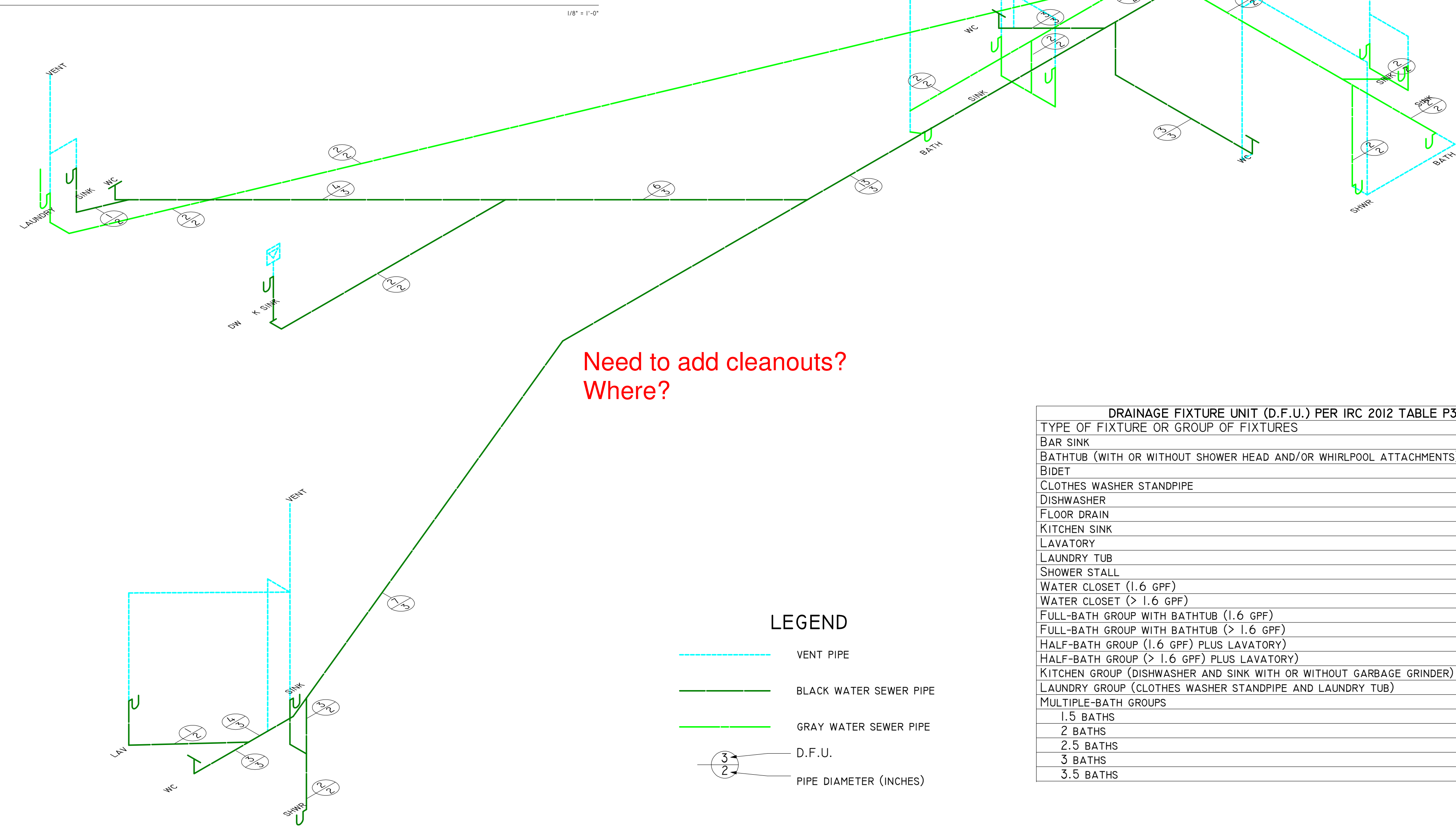
Drawn By ADAM GOLDENSTEIN	Sheet
Date 3/15/18	<b>SI.08</b>
Scale 1/4" = 1'-0"	

**BRACED WALL PLAN**

1/4" = 1'-0"



ADD RISER?  
Where??



Need to add cleanouts?  
Where?

- LEGEND**
- VENT PIPE
  - BLACK WATER SEWER PIPE
  - GRAY WATER SEWER PIPE
  - D.F.U.
  - PIPE DIAMETER (INCHES)

**DRAINAGE FIXTURE UNIT (D.F.U.) PER IRC 2012 TABLE P3004.1**

TYPE OF FIXTURE OR GROUP OF FIXTURES	(D.F.U)
BAR SINK	1
BATHTUB (WITH OR WITHOUT SHOWER HEAD AND/OR WHIRLPOOL ATTACHMENTS)	2
BIDET	1
CLOTHES WASHER STANDPIPE	2
DISHWASHER	2
FLOOR DRAIN	0
KITCHEN SINK	2
LAVATORY	1
LAUNDRY TUB	2
SHOWER STALL	2
WATER CLOSET (1.6 GPF)	3
WATER CLOSET (> 1.6 GPF)	4
FULL-BATH GROUP WITH BATHTUB (1.6 GPF)	5
FULL-BATH GROUP WITH BATHTUB (> 1.6 GPF)	6
HALF-BATH GROUP (1.6 GPF) PLUS LAVATORY	4
HALF-BATH GROUP (> 1.6 GPF) PLUS LAVATORY	5
KITCHEN GROUP (DISHWASHER AND SINK WITH OR WITHOUT GARBAGE GRINDER)	2
LAUNDRY GROUP (CLOTHES WASHER STANDPIPE AND LAUNDRY TUB)	3
MULTIPLE-BATH GROUPS	
1.5 BATHS	7
2 BATHS	8
2.5 BATHS	9
3 BATHS	10
3.5 BATHS	11

# SEWER LINE PLAN

1/4" = 1'-0"

General Notes

No.	Revision/Issue	Date

Sheet Title

## SEWER LINE PLAN

Project Name and Address

**GOLDENSTEIN RESIDENCE**  
10685 E ROCKY HILL RD  
DEWEY, AZ 86327

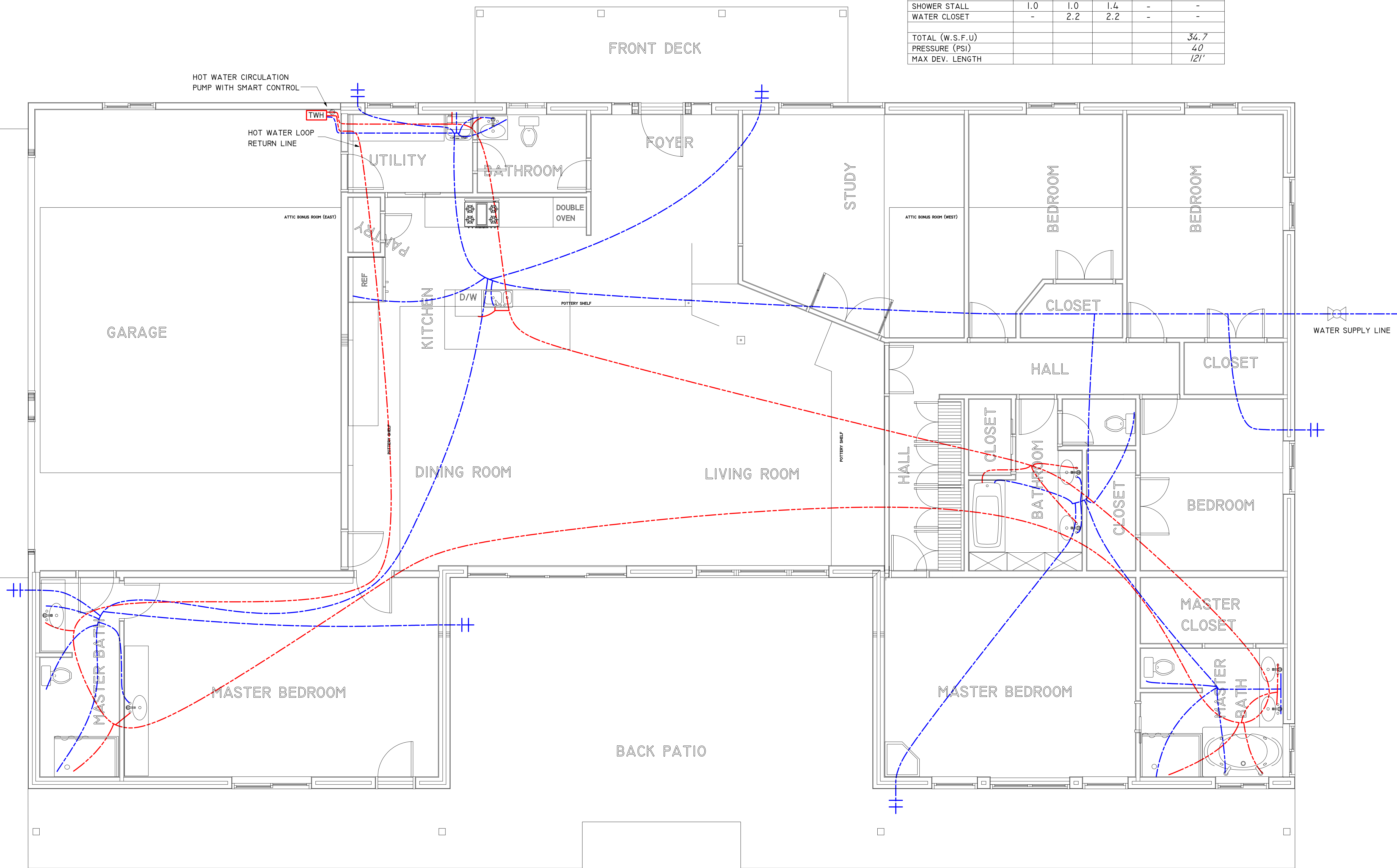
Drawn By ADAM GOLDENSTEIN	Sheet PI
Date 3/15/18	
Scale 1/4"=1'-0"	

**WATER PIPE LEGEND**

- COLD WATER PIPE
- HOT WATER PIPE

3/4" PEX LINE USED FOR ALL MAIN RUNS.  
1/2" PEX USED FROM MANIFOLDS TO FIXTURES.

WATER SUPPLY FIXTURE UNIT TABLE PER IRC2012 TABLE 2903.6						
TYPE OF FIXTURE	WATER SUPPLY FIXTURE UNIT VALUE (W.S.F.U)			#	TOTAL	
	HOT	COLD	COMBINED			
BATHTUB	1.0	1.0	1.4	-	-	
CLOTHES WASHER	1.0	1.0	1.4	1.0	1.4	
DISHWASHER	1.4	-	1.4	-	-	
FULL-BATH GROUP	1.5	2.7	3.6	4.0	14.4	
HALF-BATH GROUP	0.5	2.5	2.6	-	-	
HOSE BIBB	-	2.5	2.5	5.0	12.5	
KITCHEN GROUP	1.9	1.0	2.5	1.0	2.5	
KITCHEN SINK	1.0	1.0	1.4	1.0	1.4	
LAUNDRY GROUP	1.8	1.8	2.5	1.0	2.5	
LAUNDRY TUB	1.0	1.0	1.4	-	-	
LAVATORY	0.5	0.5	0.7	-	-	
SHOWER STALL	1.0	1.0	1.4	-	-	
WATER CLOSET	-	2.2	2.2	-	-	
<b>TOTAL (W.S.F.U)</b>					<b>34.7</b>	
<b>PRESSURE (PSI)</b>					<b>40</b>	
<b>MAX DEV. LENGTH</b>					<b>121'</b>	



General Notes		
No.	Revision/Issue	Date

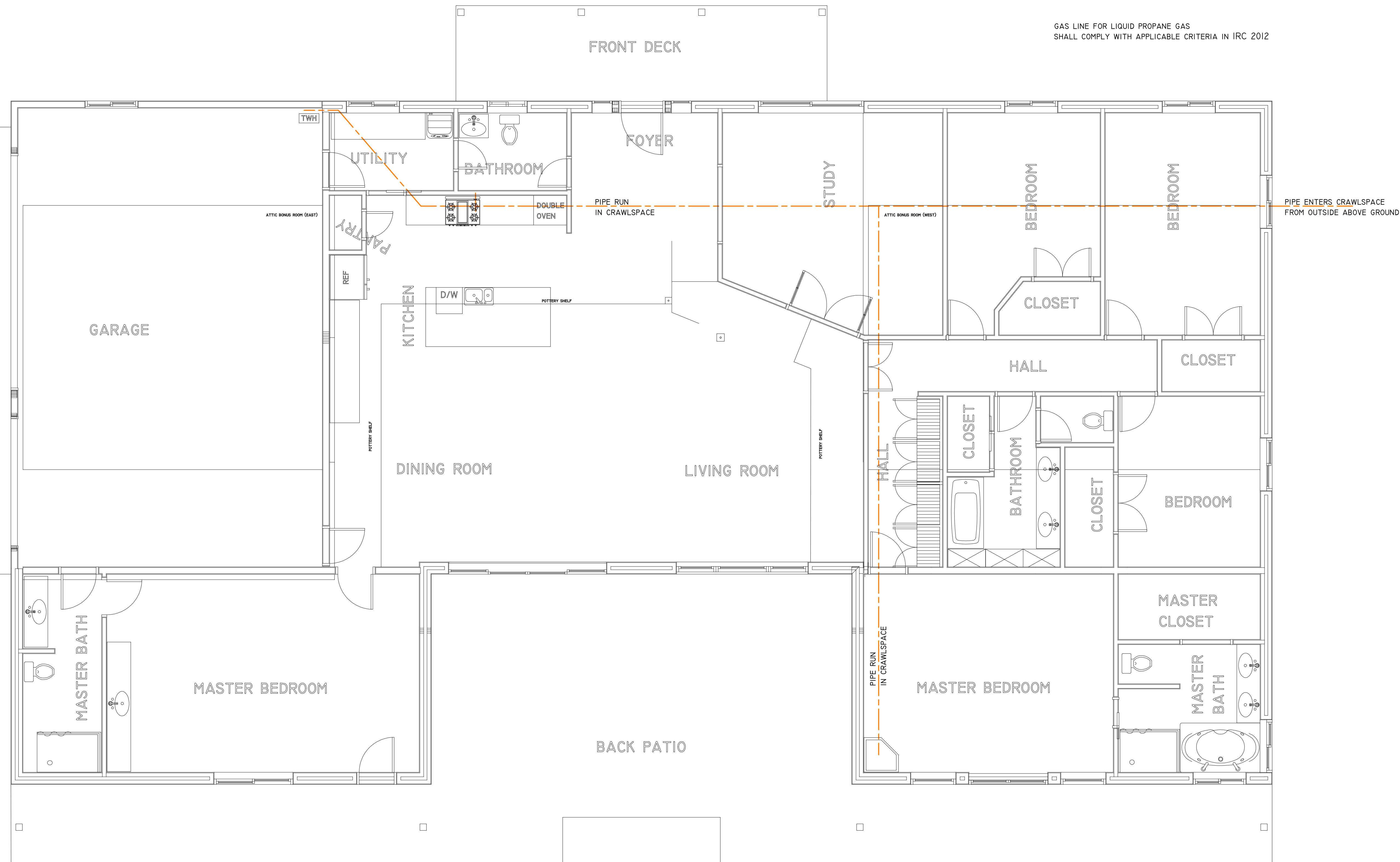
**WATER LINE PLAN**  
Sheet Title

Project Name and Address  
**GOLDENSTEIN RESIDENCE**  
 10685 E ROCKY HILL RD  
 DEWEY, AZ 86327

<small>Drawn By</small> ADAM GOLDENSTEIN	<small>Sheet</small> <b>P2</b>
<small>Date</small> 3/15/18	
<small>Scale</small> 1/4" = 1'-0"	

**WATER LINE PLAN**

1/4" = 1'-0"



**PIPE LEGEND**

--- GAS LINE

GAS LINE FOR LIQUID PROPANE GAS  
SHALL COMPLY WITH APPLICABLE CRITERIA IN IRC 2012

General Notes

No.	Revision/Issue	Date

Sheet Title  
**GAS LINE PLAN**

Project Name and Address  
**GOLDENSTEIN RESIDENCE**  
10685 E ROCKY HILL RD  
DEWEY, AZ 86327

**GAS LINE PLAN**

1/4" = 1'-0"

Drawn By  
ADAM GOLDENSTEIN  
Date  
3/15/18  
Scale  
1/4"=1'-0"

Sheet

**P3**

**PIPE/DUCTING LEGEND**

- HYDRONIC SUPPLY LINE
- HYDRONIC RETURN LINE
- HRV FRESH SUPPLY AIR
- EXHAUST AIR (HRV OR BLOWER)

**MECHANICAL SYMBOLS LEGEND**

- FL CL SUPPLY DUCT (FLOOR & CEILING)
- FL CL EXHAUST DUCT (FLOOR & CEILING)
- FL CL RETURN DUCT (FLOOR & CEILING)
- FL CL TRANSFER DUCT (FLOOR & CEILING)

General Notes

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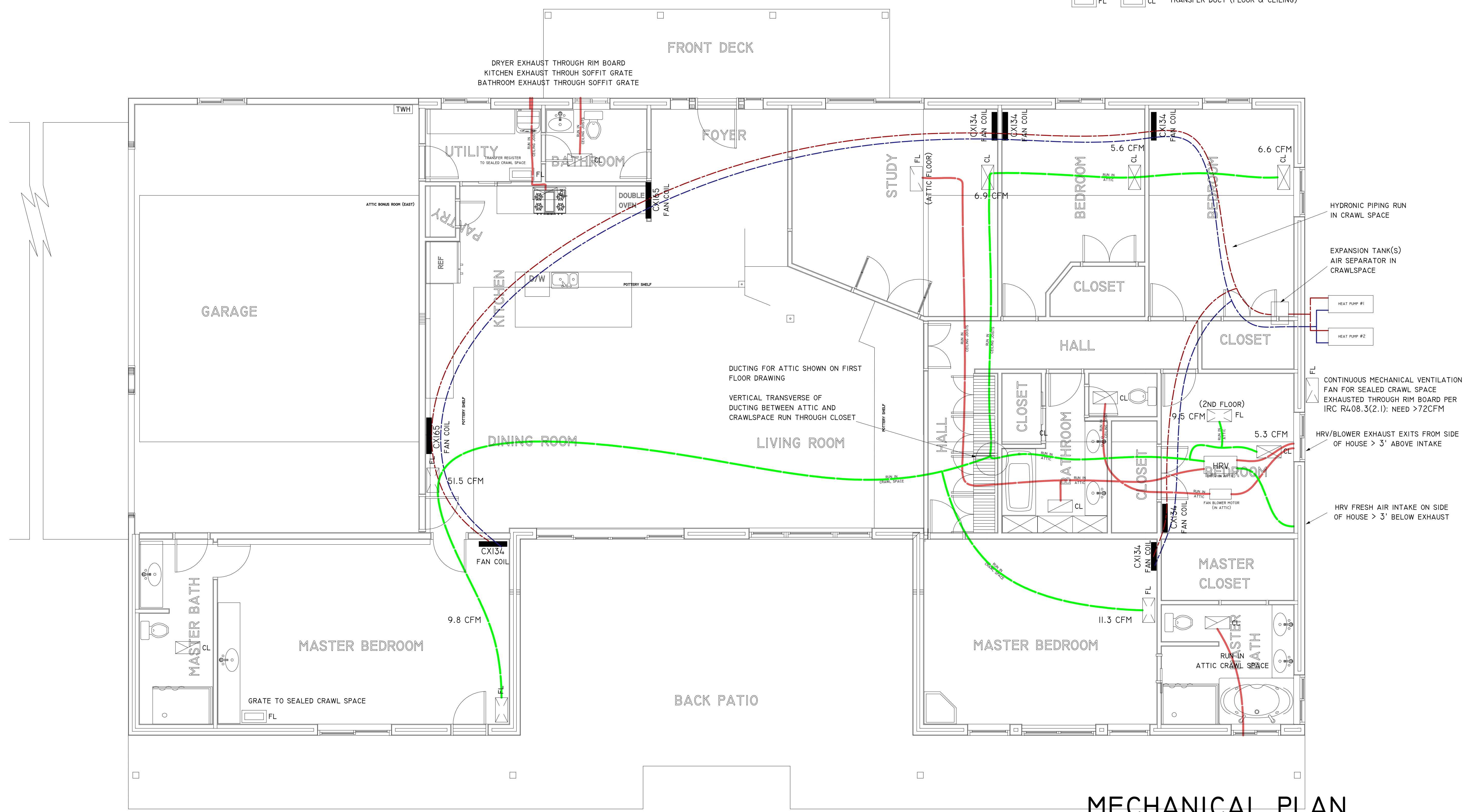
MECHANICAL PLAN

Sheet Title

GOLDENSTEIN RESIDENCE  
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DEWEY, AZ 86327

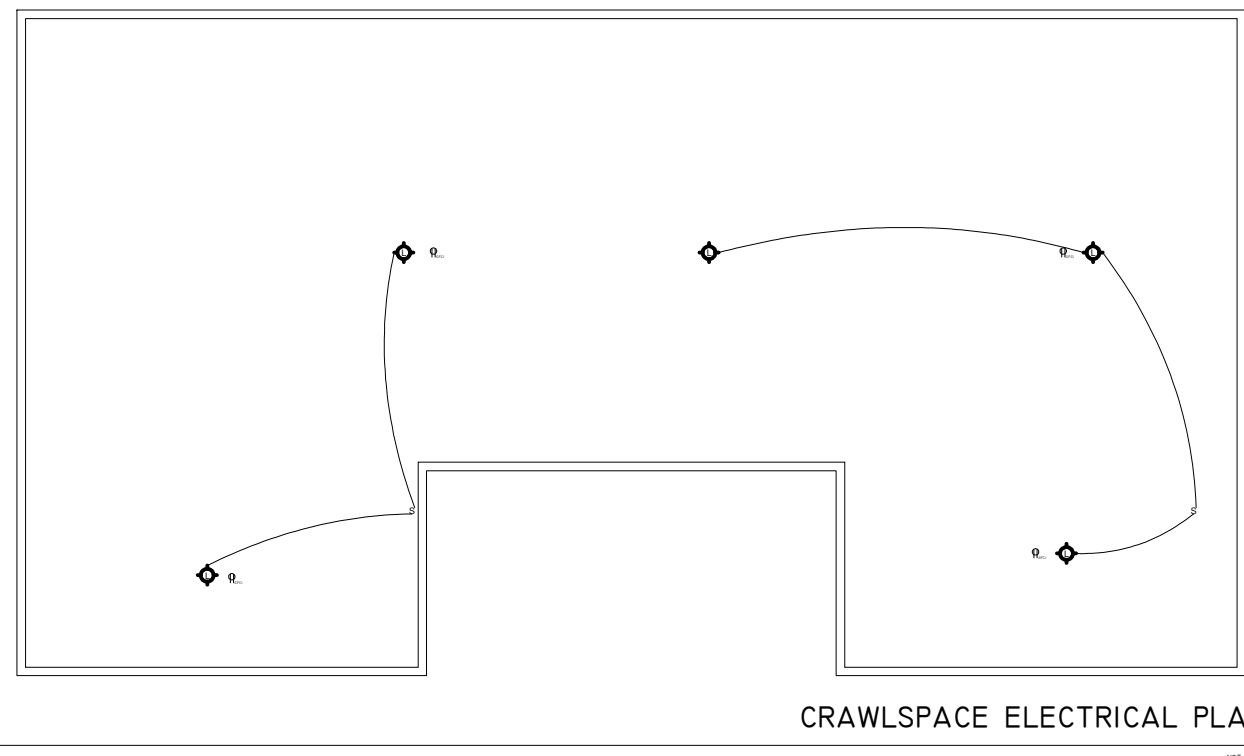
Project Name and Address

Drawn By ADAM GOLDENSTEIN	Sheet
Date 3/15/18	<b>MI</b>
Scale 1/4" = 1'-0"	



**MECHANICAL PLAN**

1/4" = 1'-0"



**ELECTRICAL SYMBOLS LEGEND**

- OUTLET, DUPLEX (110V)
- OUTLET, DUPLEX, WEATHERPROOF (110V)
- 220V OUTLET
- LIGHT FIXTURE, WALL
- LIGHT FIXTURE, CEILING
- LIGHT FIXTURE, RECESSED
- FLUORESCENT LIGHT
- CEILING FAN
- CEILING FAN W/ LIGHT
- EXHAUST FAN
- FAN COIL
- WHIRLPOOL TUB
- SWITCH, SINGLE POLE
- SWITCH, DOUBLE POLE
- SWITCH, THREE WAY
- SWITCH, FOUR WAY
- SWITCH, WEATHERPROOF
- DIMMER SWITCH
- TELEPHONE JACK
- COMPUTER JACK
- TV CABLE

- ELECTRICAL NOTES**
1. UNLESS OTHERWISE NOTED ALL OUTLETS ARE 110V AND 15A.
  2. HVAC FAN COIL UNITS: CX165: 110V 8A, 1.6 GPM, 1.89 PSI; CX134: 110V 6A, 1.2 GPM, 1.57 PSI
  3. ELECTRICAL DESIGN AND INSTALLATION SHALL COMPLY WITH IRC 2012 NOT LIMITED TO THE SELECT PORTIONS REPRODUCED HERE FOR CONVENIENCE:
    - RECEPTACLES SPACING SHALL SUCH THAT NO POINT ALONG THE FLOOR LINE EXCEEDS 6' FOR ANY WALL SPACE 2' OR MORE PER IRC 2012 E3901.2
    - RECEPTACLES 65" IN HEIGHT OR LESS SHALL BE TAMPER RESISTANT PER IRC 2012 E4002.14
    - CARBON MONOXIDE ALARMS SHALL BE INSTALLED OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOM IN THE DWELLING UNITS WITHIN WHICH FUEL-FIRED APPLIANCES ARE INSTALLED AND IN DWELLING UNITS THAT HAVE ATTACHED GARAGES.
    - FACE PLATES SHALL BE GROUNDED PER IRC 2012 E4001.11
    - ARC-FAULT CIRCUIT-INTERRUPTER PROTECTION SHALL BE USED FOR AL BRANCH CIRCUITS THAT SUPPLY
    - 120-VOLT, SINGLE PHASE, 15- AND 20 -AMP OUTLETS INSTALLED PER IRC 2012 E3902.12.

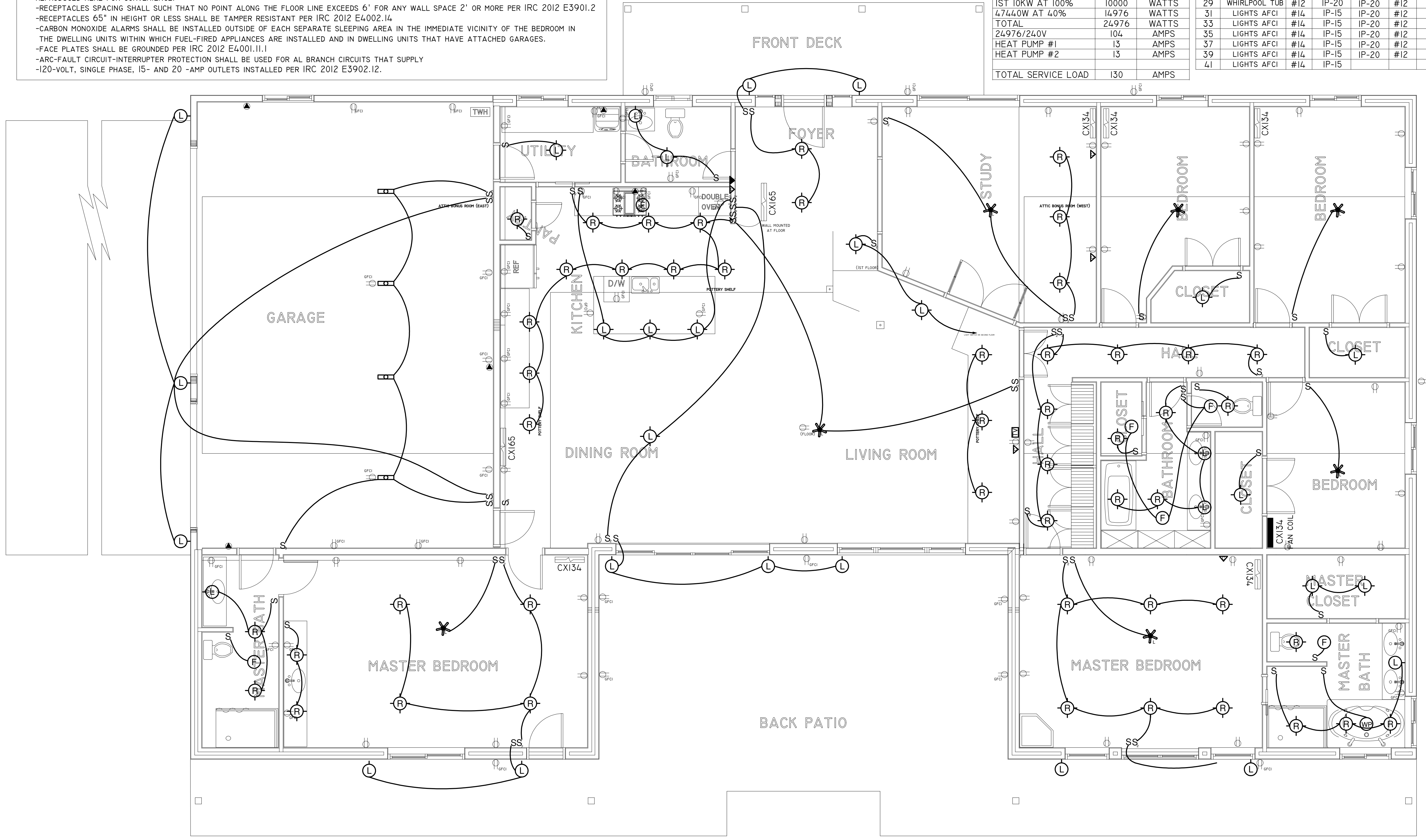
**ELECTRICAL LOAD CALCULATIONS**

3620 S.F. X 3 WATTS	15690	WATTS
RANGE OVEN	8000	WATTS
ELEC DRYER	5000	WATTS
JET TUB	1500	WATTS
BATH GFCl X2	3000	WATTS
DOOR MOTOR	1500	WATTS
DUCTLESS FANS	3000	WATTS
CLOTHES WASHER	1500	WATTS
LAUNDRY	1500	WATTS
APPLIANCE X2	3000	WATTS
REFRIGERATOR	1500	WATTS
DW/DISPOSAL	2250	WATTS
<b>TOTAL</b>	<b>47440</b>	<b>WATTS</b>
IST 10KW AT 100%	10000	WATTS
47440W AT 40%	14976	WATTS
<b>TOTAL</b>	<b>24976/240V</b>	<b>104</b>
HEAT PUMP #1	13	AMPS
HEAT PUMP #2	13	AMPS
<b>TOTAL SERVICE LOAD</b>	<b>130</b>	<b>AMPS</b>

**PANEL SCHEDULE**

400 AMP MB PANEL 120/240 V 1PH. 3W

CRKT	DESCRIPTION	WIRE	BRK	BKR	WIRE	DESCRIPTION/CRKT	
1	SUB PNL, SHOP #2	2P-200	IP-20	#12	BATH GFCl	2	
3	SUB PNL, SHOP #2	2P-200	IP-20	#12	BATH GFCl	4	
5	2 TON HP #1	#12	2P-200	IP-20	#12	BATH GFCl	6
7	2 TON HP #1	#12	2P-200	IP-20	#12	BATH GFCl	8
9	2 TON HP #2	#12	2P-200	IP-20	#12	GARAGE GFCl	10
11	2 TON HP #2	#12	2P-200	IP-20	#12	GARAGE GFCl	12
13	OVEN	#6	2P-50	IP-20	#12	APPLIANCE	14
15	OVEN	#6	2P-50	IP-20	#12	APPLIANCE	16
17	GARAGE 220	#6	2P-50	IP-20	#12	APPLIANCE	18
19	GARAGE 220	#6	2P-50	IP-20	#12	DW/DISPOSAL	20
21	DRYER	#10	2P-30	IP-20	#12	REC AFCl	22
23	DRYER	#10	2P-30	IP-20	#12	REC AFCl	24
25	FAN COILS	#12	IP-20	IP-20	#12	REC AFCl	26
27	FAN COILS	#12	IP-20	IP-20	#12	REC AFCl	28
29	WHIRLPOOL TUB	#12	IP-20	IP-20	#12	REC AFCl	30
31	LIGHTS AFCl	#14	IP-15	IP-20	#12	REC AFCl	32
33	LIGHTS AFCl	#14	IP-15	IP-20	#12	REC AFCl	34
35	LIGHTS AFCl	#14	IP-15	IP-20	#12	REC AFCl	36
37	LIGHTS AFCl	#14	IP-15	IP-20	#12	EXT GFCl	38
39	LIGHTS AFCl	#14	IP-15	IP-20	#12	EXT GFCl	40
41	LIGHTS AFCl	#14	IP-15	IP-20	#12	EXT GFCl	40



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**ELECTRICAL PLAN**

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