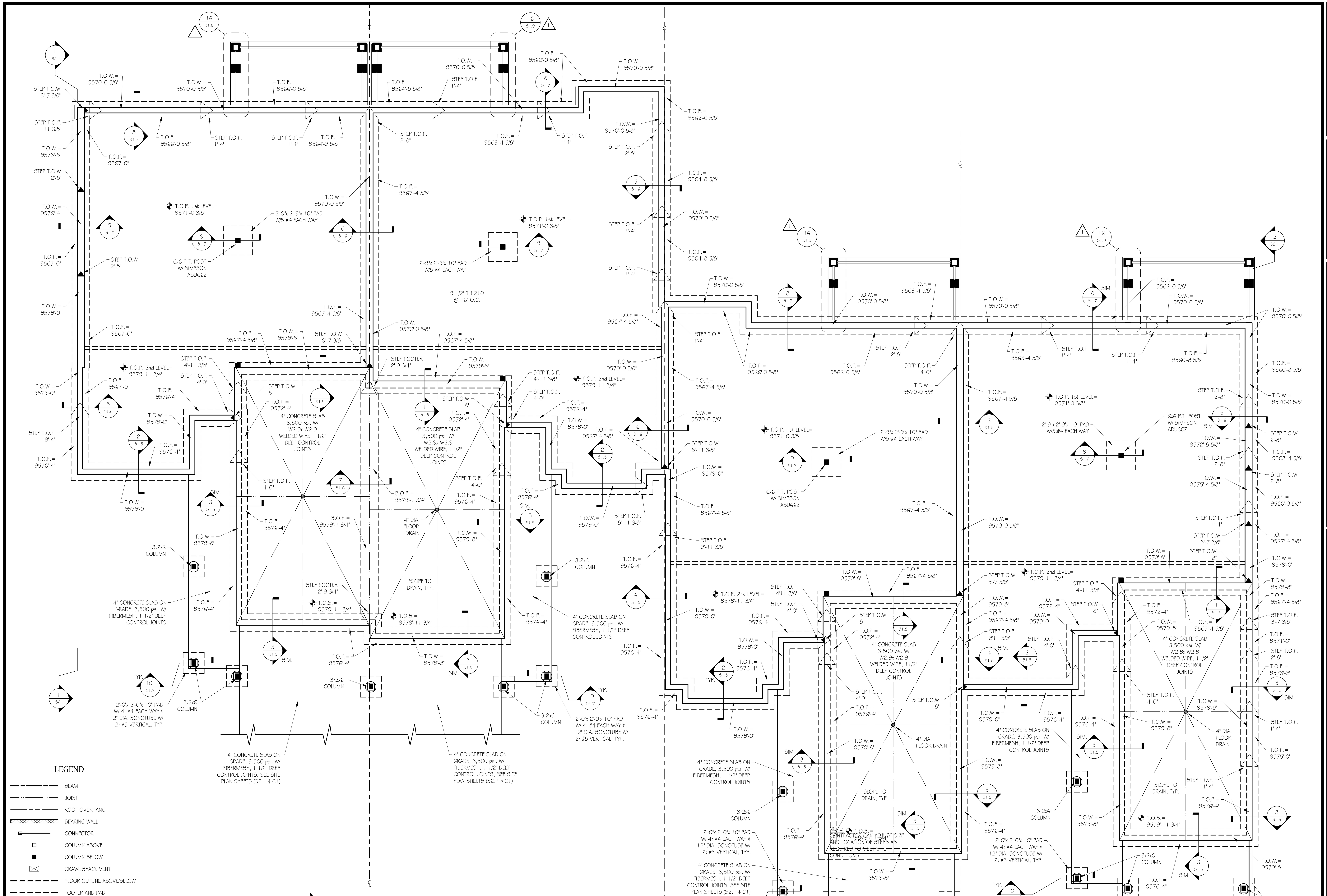


FOUNDATION PLAN & CALLOUTS

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

ISSUED FOR BUILDING PERMIT	6/28/20
1 REVISED STRUCTURAL PLANS & SECTION DETAILS FOR REVISED EXTERIOR DECKS	1/22/21
2 REVISED JOISTS FROM TJI TO BCI & REVISED BEAMS AND HANGERS	6/2/21
3 REVISED DECK SIZE	8/6/21

WILLIAMS ENGINEERING LLC
400 NORTH MAIN STREET
GUNNISON COLORADO 81230
PH. (970) 641-2499
EMAIL: info@williams-eng.net

FOUNDATION & FIRST FLR. FRAMING PLAN & CALLOUTS

THE PROSPECT HOMESTEAD SUB.
BUILDING #6
UNITS B&C - 3 BEDROOM PLANS
LOTS 11 TO 14
CRESTED BUTTE, COLORADO 81224
GUNNISON COUNTY, COLORADO 81230

DRAWN BY: DWP

CHECKED BY: RLW

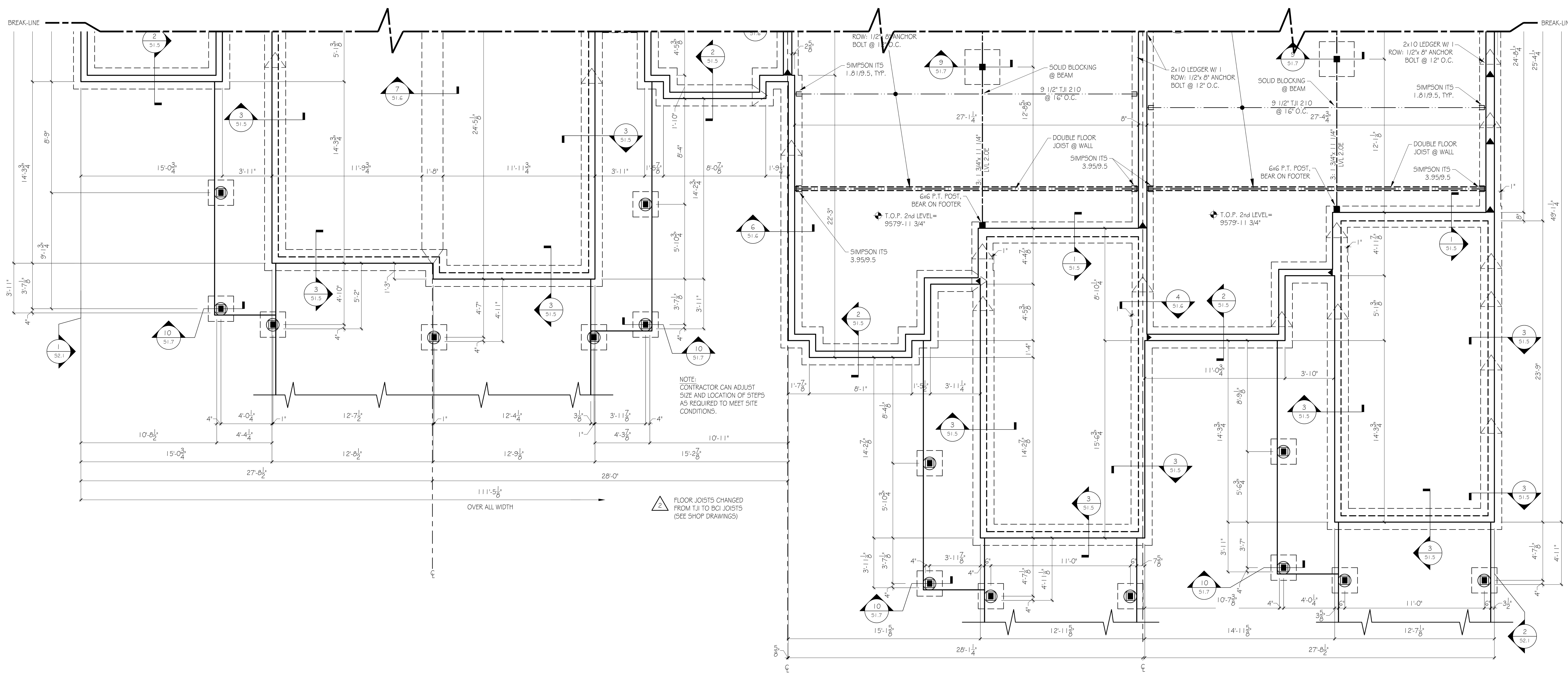
SCALE: AS NOTED

MOST CURRENT DATE: 6/2/2021

JOB NO. 3044

SHEET: S1.1

ENGINEER'S STAMP



FOUNDATION-DIMENSIONS & FIRST FLR. FRAMING PLAN

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

LEGEND

- BEAM
- JOIST
- ROOF OVERHANG
- BEARING WALL
- CONNECTOR
- COLUMN ABOVE
- COLUMN BELOW
- CRAWL SPACE VENT
- FLOOR OUTLINE ABOVE/BELOW
- FOOTER AND PAD
- FOUNDATION WALL
- CONTROL JOINT
- HIGH LOW STEP IN WALL
- HIGH LOW STEP IN FOOTING

ISSUED FOR BUILDING PERMIT	6/28/20
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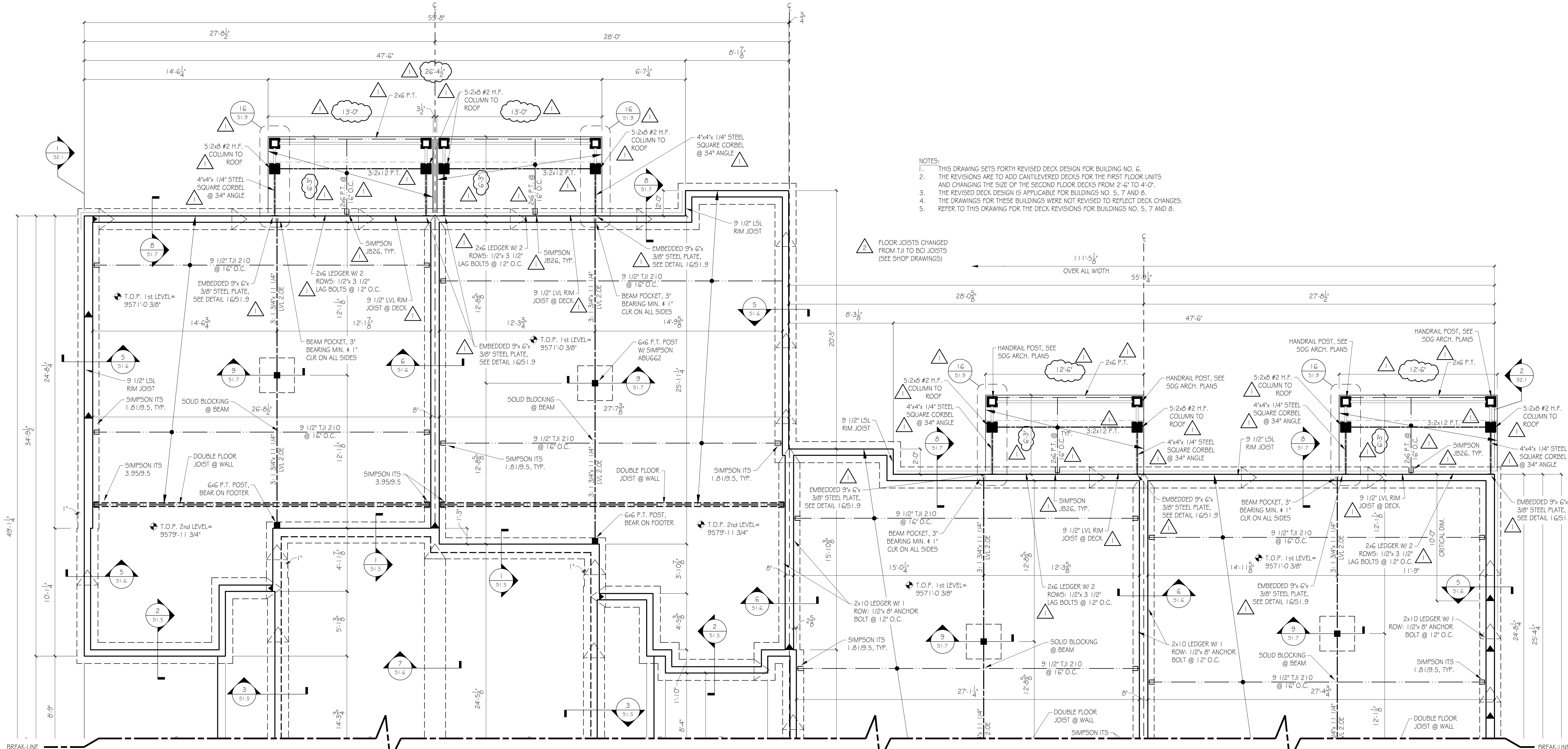
FOUNDATION
PLAN-DIMENSIONS

THE PROSPECT HOMESTEAD SUB.
BUILDING #6
UNITS B&C - 3 BEDROOM PLANS
LOTS 11 TO 14
CRESTED BUTTE, COLORADO 81224
GUNNISON COUNTY, COLORADO 81230

DRAWN BY: DWP
CHECKED BY: RLW
SCALE: AS NOTED
MOST CURRENT DATE: 6/2/2021
JOB NO. 3044
SHEET: S1.2

ENGINEER'S STAMP



NOTES:
1. THIS DRAWING SETS FORTH REVISED DECK DESIGN FOR BUILDING NO. 6.
2. THE REVISIONS ARE TO ADD CANTILEVERED DECKS FOR THE FIRST FLOOR UNITS AND CHANGING THE SIZE OF THE SECOND FLOOR DECKS FROM 2'-6" TO 4'-0".
3. THE REVISED DECK DESIGN IS APPLICABLE FOR BULDINGS NO. 5, 7 AND 8.
4. THE DRAWINGS FOR THESE BUILDINGS WERE NOT REVISED TO REFLECT DECK CHANGES.
5. REFER TO THIS DRAWING FOR THE DECK REVISIONS FOR BUILDINGS NO. 5, 7 AND 8.

2 FLOOR JOISTS CHANGED FROM TJI TO BCI JOISTS (SEE SHOP DRAWINGS)

FIRST FLOOR FRAMING-CANTILEVER DECK REVISIONS

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

1

LEGEND

- BEAM
- JOIST
- ROOF OVERHANG
- BEARING WALL
- CONNECTOR
- COLUMN ABOVE
- COLUMN BELOW
- CRAWL SPACE VENT
- FLOOR OUTLINE ABOVE/BELOW
- FOOTER AND PAD
- FOUNDATION WALL
- CONTROL JOINT
- HIGH ▶ LOW STEP IN WALL
- HIGH ▷ LOW STEP IN FOOTING

ISSUED FOR BUILDING PERMIT	6/28/20
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2 REVISED JOISTS FROM TJI TO BCI & REVISED BEAMS AND HANGERS	6/2/21
3 REVISED DECK SIZE	8/6/21

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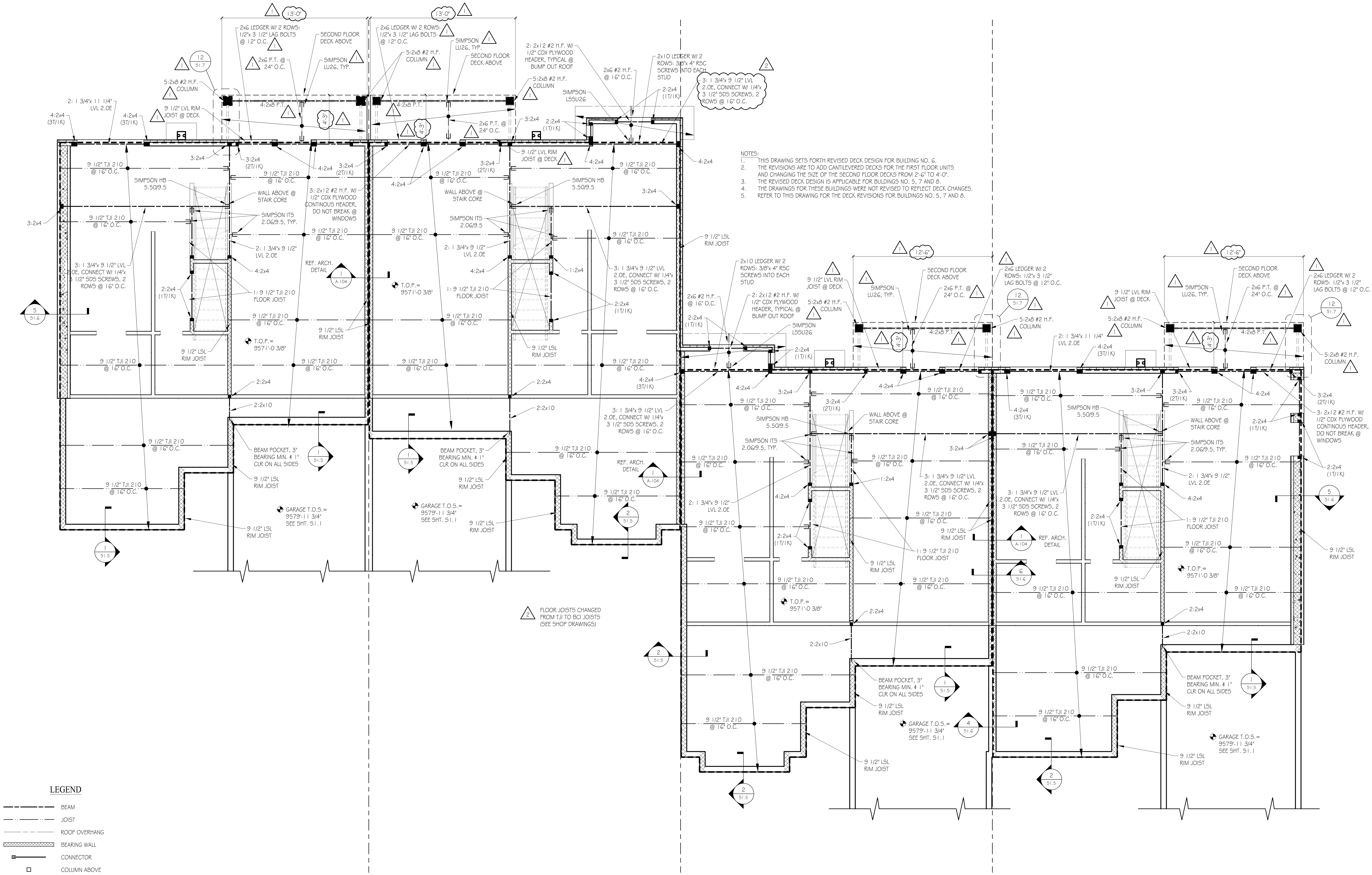
FIRST FLOOR FRAMING CANTILEVER DECK REVISIONS

THE PROSPECT HOMESTEAD SUB.
BUILDING #6
UNITS B&C - 3 BEDROOM PLANS
LOTS 11 TO 14
CRESTED BUTTE, COLORADO 81224
GUNNISON COUNTY, COLORADO 81230

DRAWN BY: DWP
CHECKED BY: RLW
SCALE: AS NOTED
MOST CURRENT DATE: 6/2/2021
JOB NO. 3044
SHEET: S1.2-2

ENGINEER'S STAMP



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LEGEND

- BEAM
- JOIST
- ROOF OVERHANG
- BEARING WALL
- CONNECTOR
- COLUMN ABOVE
- COLUMN BELOW
- CRAWL SPACE VENT
- FLOOR OUTLINE ABOVE/BELOW
- FOOTER AND PAD
- FOUNDATION WALL
- CONTROL JOINT
- HIGH ▶ LOW STEP IN WALL
- HIGH ▷ LOW STEP IN FOOTING

SECOND FLOOR & LOWER ROOF FRAMING PLAN (DECK REVISIONS)

SCALE: 1/4" = 1'-0"
ROOF SNOW LOAD: 100 PSF
WIND DESIGN LOAD: 115/MPH (ULTIMATE DESIGN WIND SPEED)

ISSUED FOR BUILDING PERMIT	6/28/20
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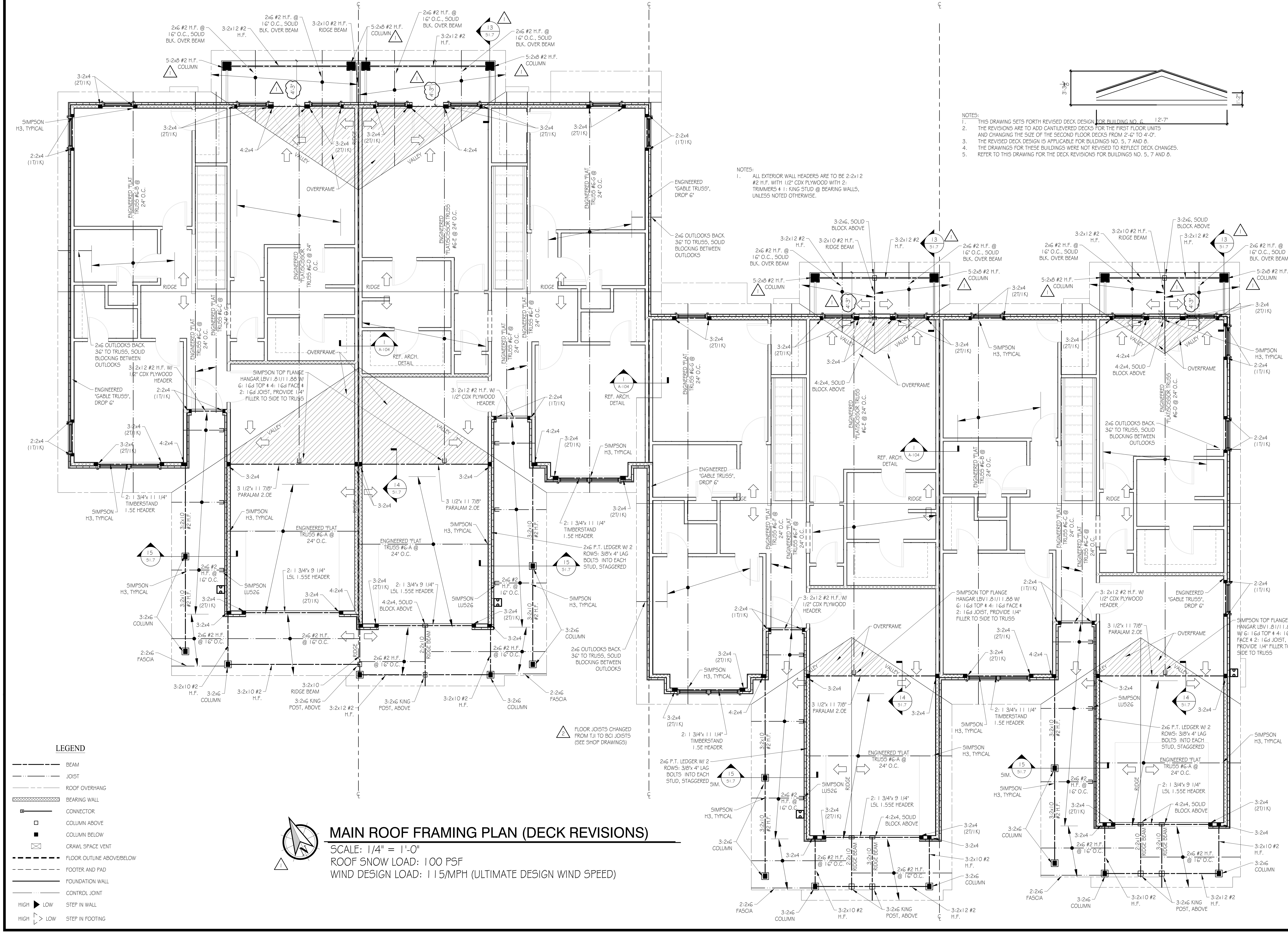
SECOND FLR. AND LOWER ROOF FRAMING PLANS (DECK REVISIONS)

THE PROSPECT HOMESTEAD SUB.
BUILDING #6
UNITS B&C – 3 BEDROOM PLANS
LOTS 11 TO 14
CRESTED BUTTE, COLORADO 81224
GUNNISON COUNTY, COLORADO 81230

DRAWN BY: DWP
CHECKED BY: RLW
SCALE: AS NOTED
MOST CURRENT DATE: 6/2/2021
JOB NO. 3044
SHEET: S1.3

ENGINEER'S STAMP



NOTES:
1. ALL EXTERIOR WALL HEADERS ARE TO BE 2:2x12 #2 H.F. WITH 1/2" CDX PLYWOOD WITH 2: TRIMMERS & 1: KING STUD @ BEARING WALLS, UNLESS NOTED OTHERWISE.

NOTES:
1. THIS DRAWING SETS FORTH REVISED DECK DESIGN FOR BUILDING NO. 6.
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2 FLOOR JOISTS CHANGED FROM TJI TO BCI JOISTS (SEE SHOP DRAWINGS)

LEGEND

- BEAM
- JOIST
- ROOF OVERHANG
- BEARING WALL
- CONNECTOR
- COLUMN ABOVE
- COLUMN BELOW
- CRAWL SPACE VENT
- FLOOR OUTLINE ABOVE/BELOW
- FOOTER AND PAD
- FOUNDATION WALL
- CONTROL JOINT
- HIGH ▶ LOW STEP IN WALL
- HIGH ▷ LOW STEP IN FOOTING

MAIN ROOF FRAMING PLAN (DECK REVISIONS)

SCALE: 1/4" = 1'-0"
ROOF SNOW LOAD: 100 PSF
WIND DESIGN LOAD: 115/MPH (ULTIMATE DESIGN WIND SPEED)

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MAIN ROOF FRAMING PLAN (DECK REVISIONS)

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SHEET: S1.4

ENGINEER'S STAMP

STRUCTURAL NOTES:

A. LIVE LOADS USED IN DESIGN

Wind	115 mph (ultimate design wind speed)
Roof/Snow	100 psf
Floor Residential	40 psf

B. CONCRETE

1. Cast in place for footers and sonotubes: Type 1 cement, stone aggregate 28 day/3000 psi.
2. Cast in place for Stem walls: Type 1, 28 day/3000 psi.
3. Cast in place for slabs on grade: Type 1, stone aggregate, fibermesh, 28 day/3500 psi.
4. All reinforcing steel shall be ASTM A615-Grade 40.
   Welded wire fabric shall conform to ASTM A185.
   Concrete protection for reinforcement

a. Poured against earth - 3"
b. Poured in forms, but exposed to earth - 1 1/2"
c. Slabs and walls - 3/4"

5. Lap splices, shall be a minimum of 36 bar diameters. Wire fabric reinforcement must lap one full mesh plus 2" at side and end laps, but not less that 6" and shall be wired together. Make all bars continuous around corners or provide corner bars of equal size and spacing.
6. Detail bars in accordance with the latest edition of ACI Detailing Manual and ACI Building Code Requirements for Reinforced Concrete
7. Continuous bars in walls and grade beams shall be spliced at midspan for top bars and over the support for bottom bars.

C. WOOD

1. All wood for structural framing shall be stress-graded, kiln dried, Hem Fir.
   Grading shall be as per National Design Specifications for Stress Graded Lumber and its Fastenings by National Forest Products Association.

a. All joists, beams, columns and headers shall be stress-graded No. 2 unless noted otherwise on drawings.
b. All 2x4 wall studs and plates shall be stress-graded "studs".
c. All 2x6 wall studs and plates shall be stress-graded "No. 2".
d. All blocking and bridging may be stress-graded "No. 2" or "No. 3".

2. Timber connectors called for on the drawings are as manufactured by Simpson Company. Connectors by other manufacturers may be used if they are ICBO approved and their load capacity is equal to or greater than the connector specified.
3. Columns, shown on the structural drawings to be continuous, shall run from beam to beam as noted on the drawing
4. Fasten all wood members with common nails according to the referenced Building Code's schedule unless otherwise noted.
5. Plywood for roof, wall and floor sheathing shall be DFPA Grade - Trademarked (Interior C-D with exterior glue) and shall conform to standard PS 1-74 of the American Plywood Association. Ring shank nails shall be used on all roof and floor sheathing. Thickness and nailing shall be as follows:

   Shear walls: All designated shear walls have one layer of 1/2" plywood or wafer board, nailed with 8d common nails at 6" along panel edges and at 12" at intermediate framing members.

   Diaphragms: Plywood or wafer board shall be 5/8" at roof and 3/4" T&G at floors, placed with 8'-0" dimension perpendicular to span of framing members and with end joints staggered. Nail with 8d nails space at 6" along panel edges and at 12" at intermediate framing members.

   Block edges of all shear walls and diaphragms.

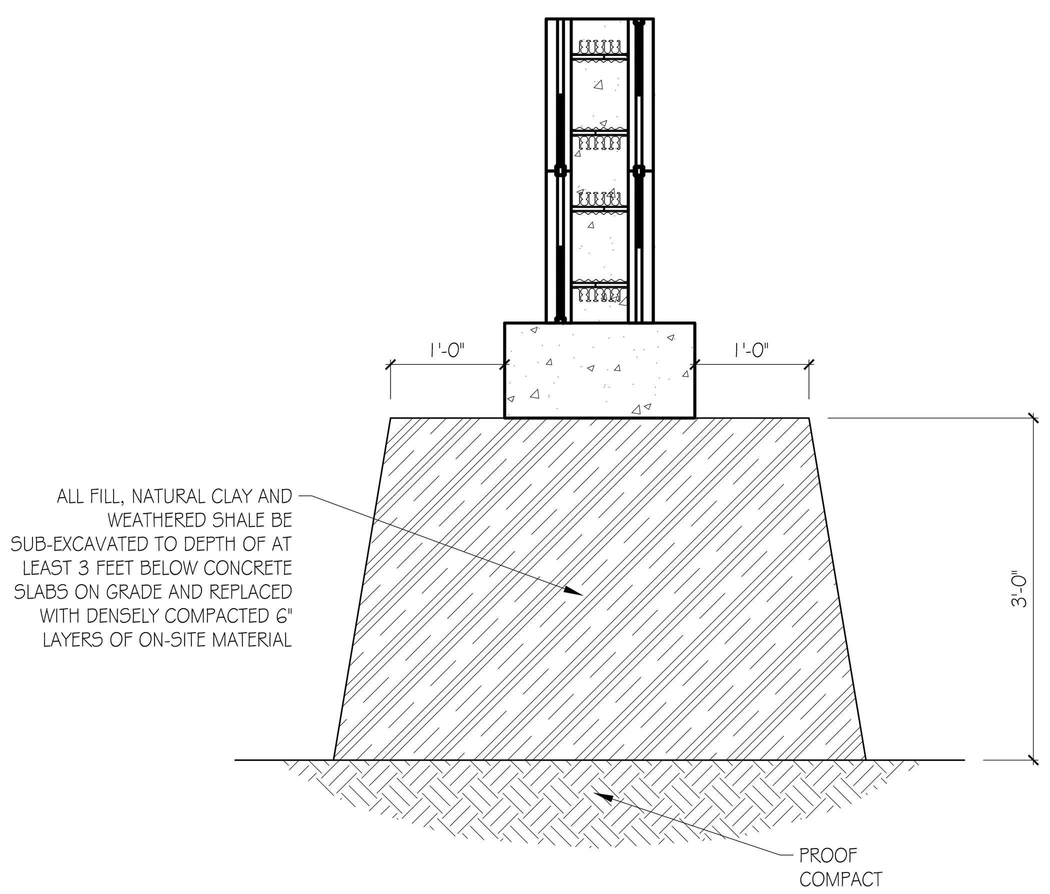
6. Truss Joists: Shall be supplied by TJI or approved equal, and be erected in accordance with the manufacturer's recommendations. All plates, blocking, bridging and other related items will be installed per manufacturers recommendations.
7. Microlam & parallam beams shall be manufactured by BCI or approved equal, with a modulus of elasticity of 2.0E or as specified on drawings.
8. Glu-lam beams shall have a combination symbol of 24F-V4. Bending = 2400 psi; Horizontal Shear = 265 psi.

D. FOUNDATIONS

1. A geotechnical study was performed by Geotechnical Investigation, Prospect Homestead Community Housing, Parcel H, Prospect, MT. Crested Butte, Co 81225. Dated January 4, 2007 and prepared by CTL Thompson. The design criteria set forth in report was utilized in design of the foundation.
2. Excavate soils and weathered shale below building depths of at least 3 feet below bottom of footing elevations and replace with densely compacted structural fill. Where shale bedrock (not weathered shale) is encountered at planned foundation elevations below and entire building footprint, footings can be constructed directly on the bedrock.
3. All fill, natural clay and weathered shale shall be sub-excavated to depth of 3 feet below concrete slabs on grade and replaced with densely compacted structural fill. Slab on grade drain system shall consist of 2-inch diameter slotted, schedule 40 pvc pipe installed in 10 to 12 foot centers and imbedded in the washed gravel. The pipes shall convey water to perimeter drain collector pipes and discharged to a positive gravity outlet.
4. Excavate for footers to the elevations shown on plans

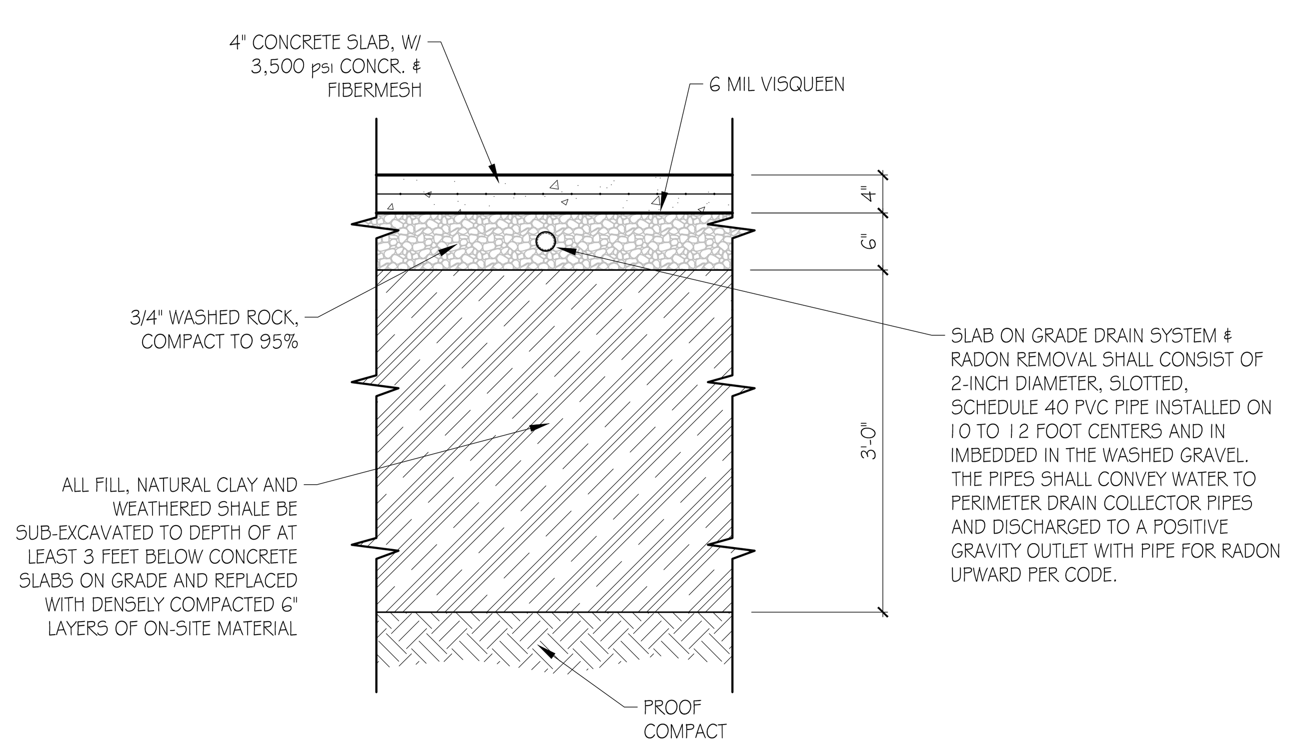
E. GENERAL

1. Notify Engineer if there are any conflicts in structural plans, prior to making changes or substitutions to structural material.
2. All construction shall be in compliance with the applicable Town of Mt. Crested Butte requirements and building codes.
3. The latest edition of OSHA Construction Standards shall be complied with on the phases of the project.
4. The contractor shall insure that all temporary bracing is in place to withstand loads to which the structure may be subjected to.



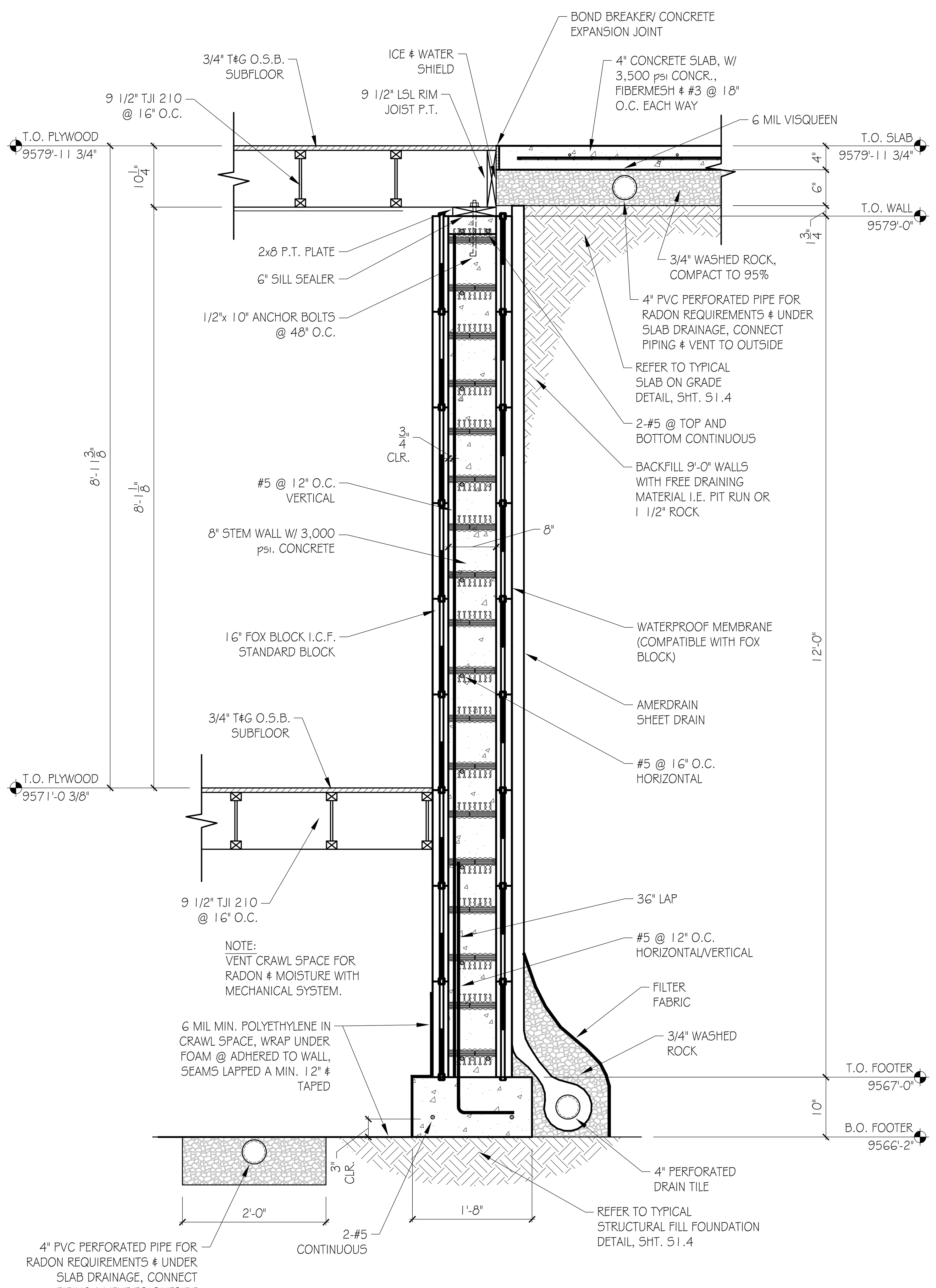
TYP. FOUND. STRUCTURAL FILL DETAIL

SCALE: 3/4" = 1'-0"



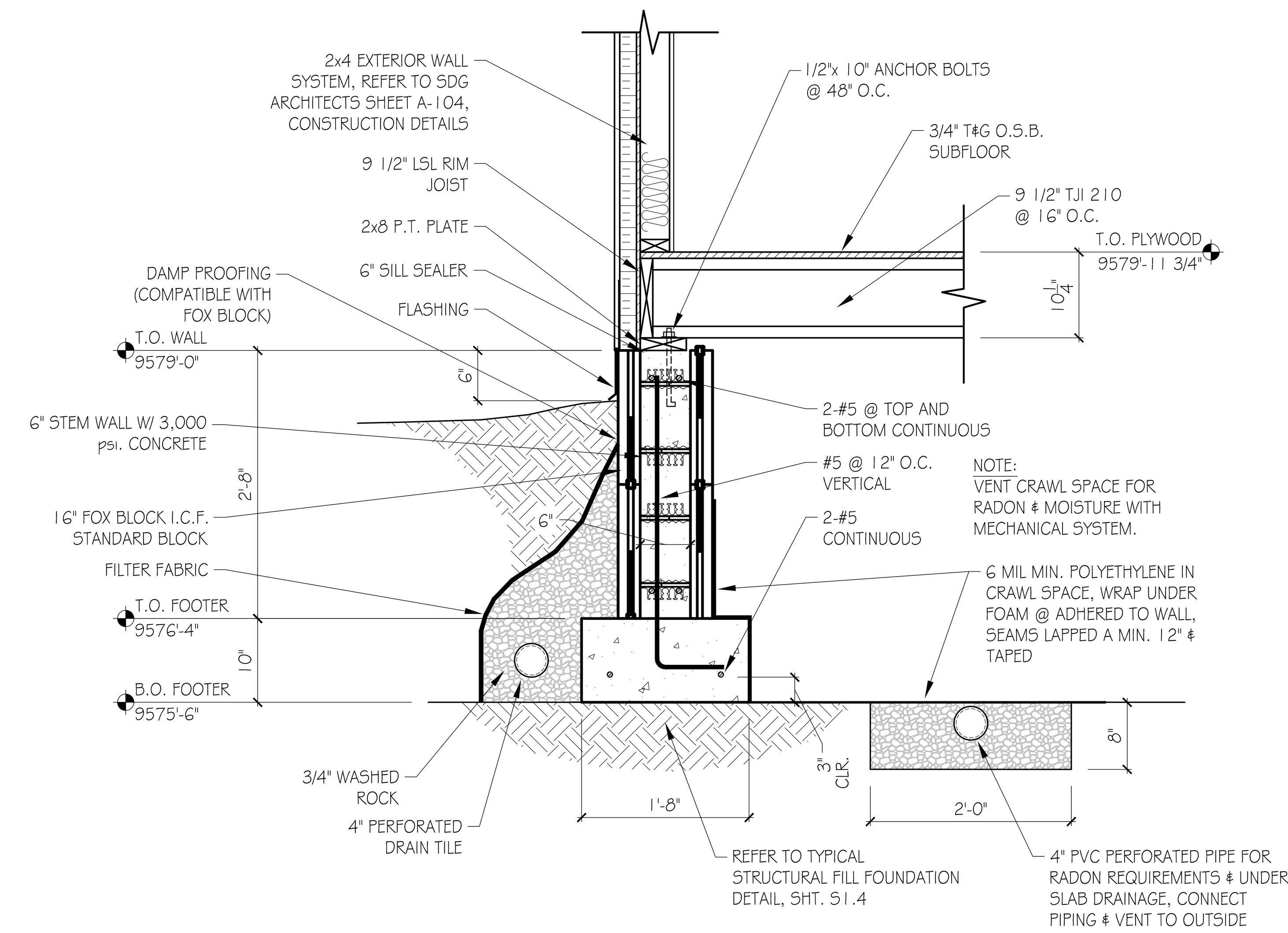
TYP. SLAB ON GRADE DETAIL

SCALE: 3/4" = 1'-0"



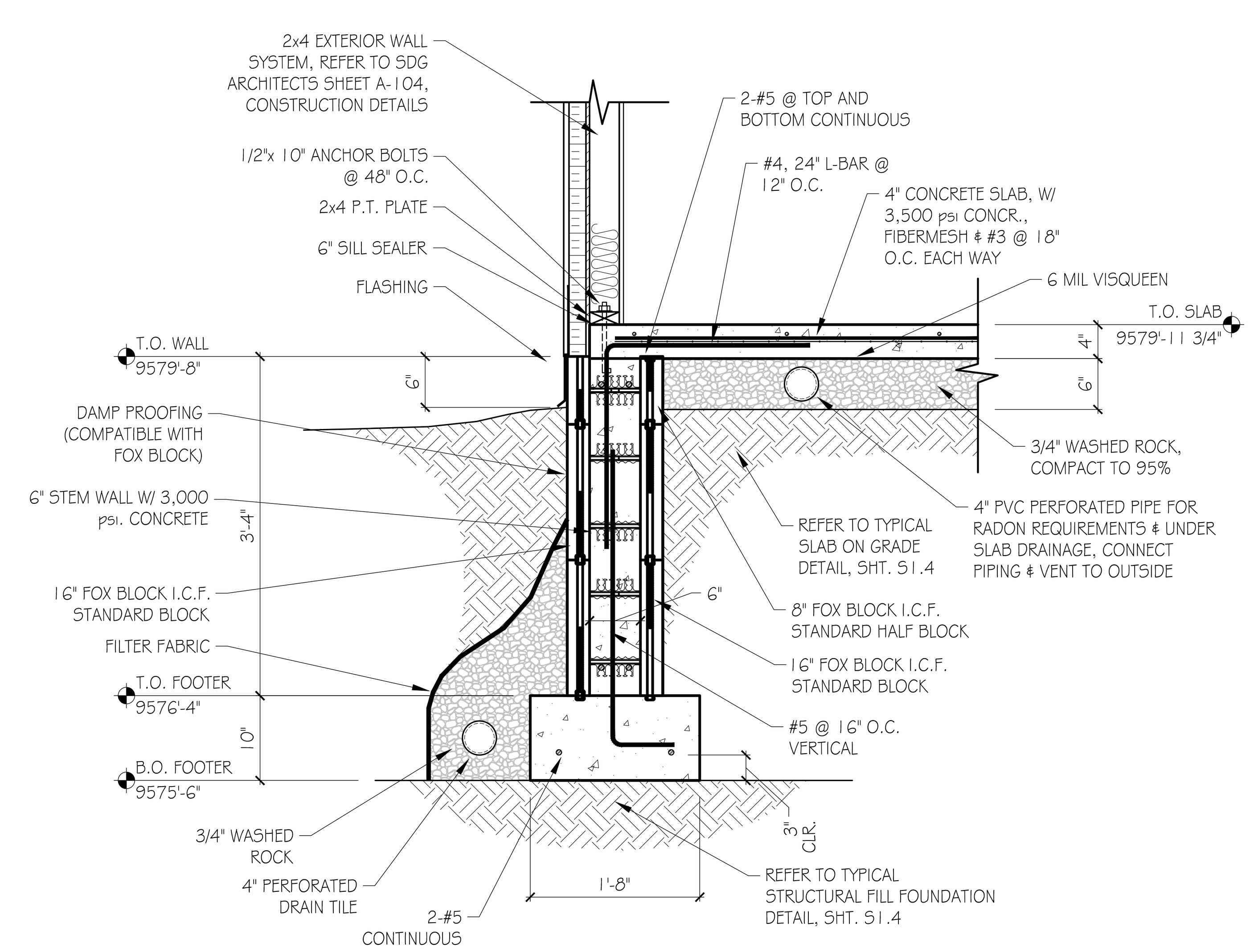
1 DETAIL SECTION

SCALE: 3/4" = 1'-0"



2 DETAIL SECTION

SCALE: 3/4" = 1'-0"



3 DETAIL SECTION

SCALE: 3/4" = 1'-0"

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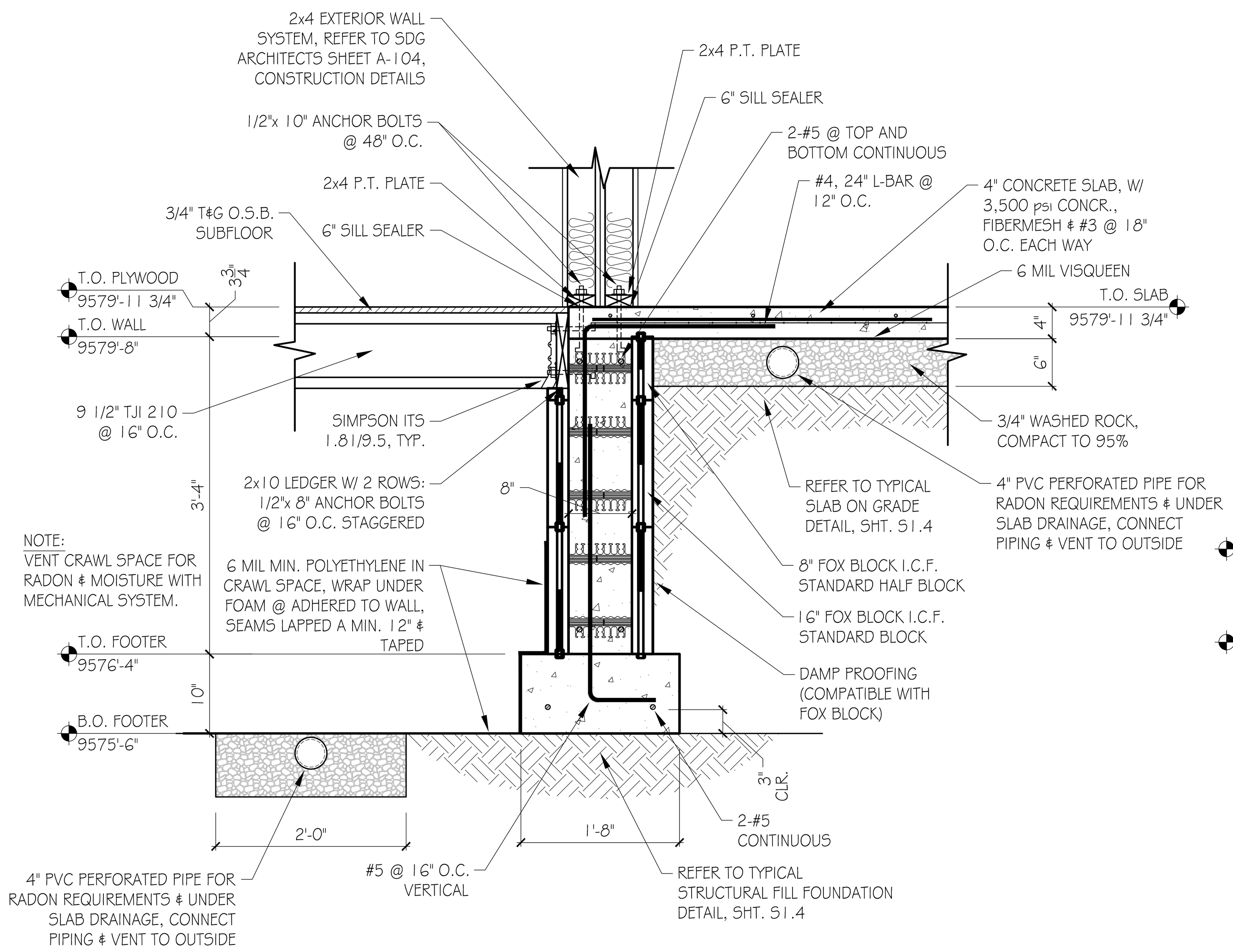
STRUCTURAL NOTES AND SECTION DETAILS

THE PROSPECT HOMESTEAD SUB.
BUILDING #6
UNITS B&C - 3 BEDROOM PLANS
LOTS 11 TO 14
CRESTED BUTTE, COLORADO 81224
GUNNISON COUNTY, COLORADO 81230

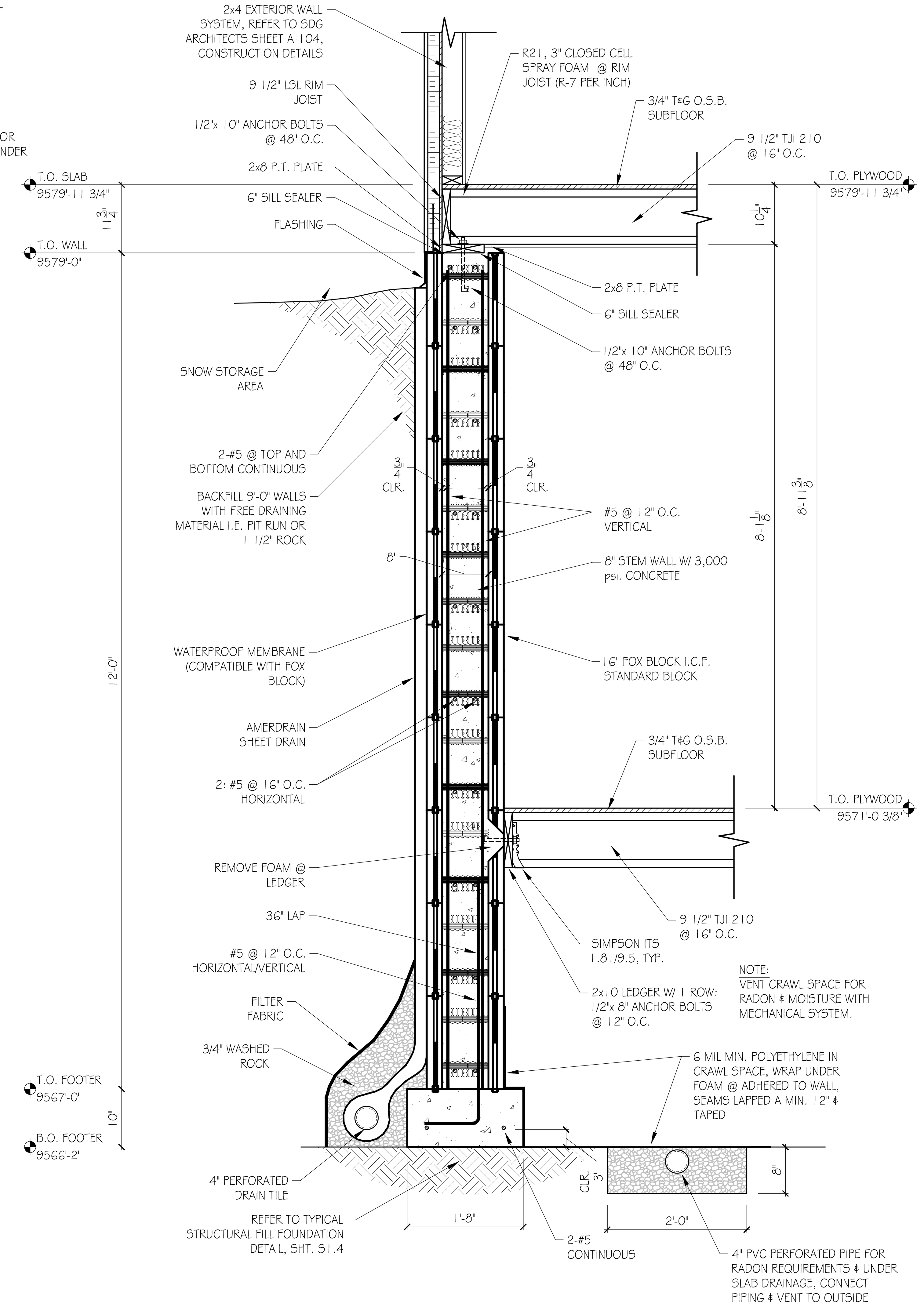
DRAWN BY:	DWP
CHECKED BY:	RLW
SCALE:	AS NOTED
MOST CURRENT DATE:	6/2/2021
JOB NO.	3044
SHEET:	S1.5

ENGINEER'S STAMP



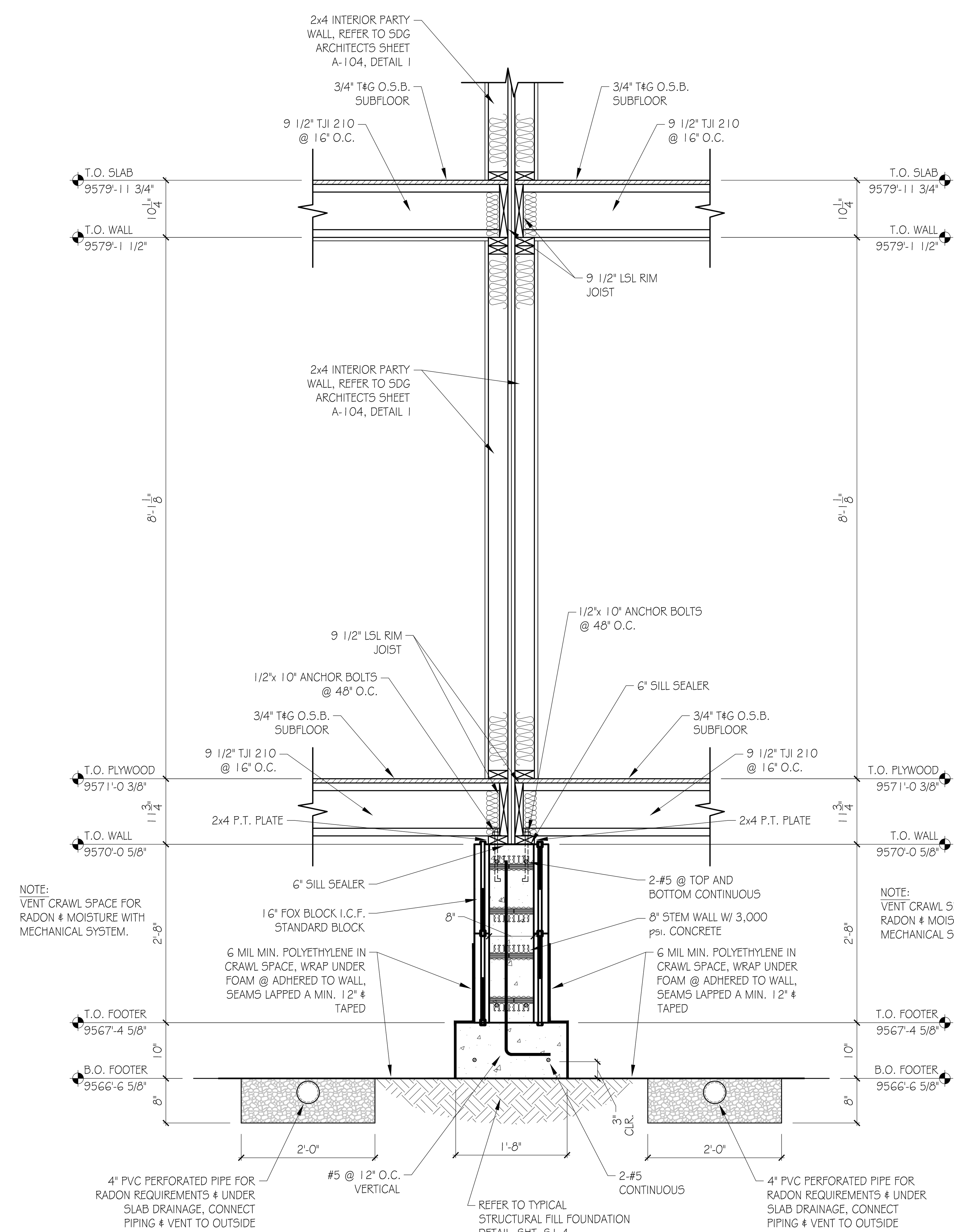
4 DETAIL SECTION

SCALE: 3/4" = 1'-0"



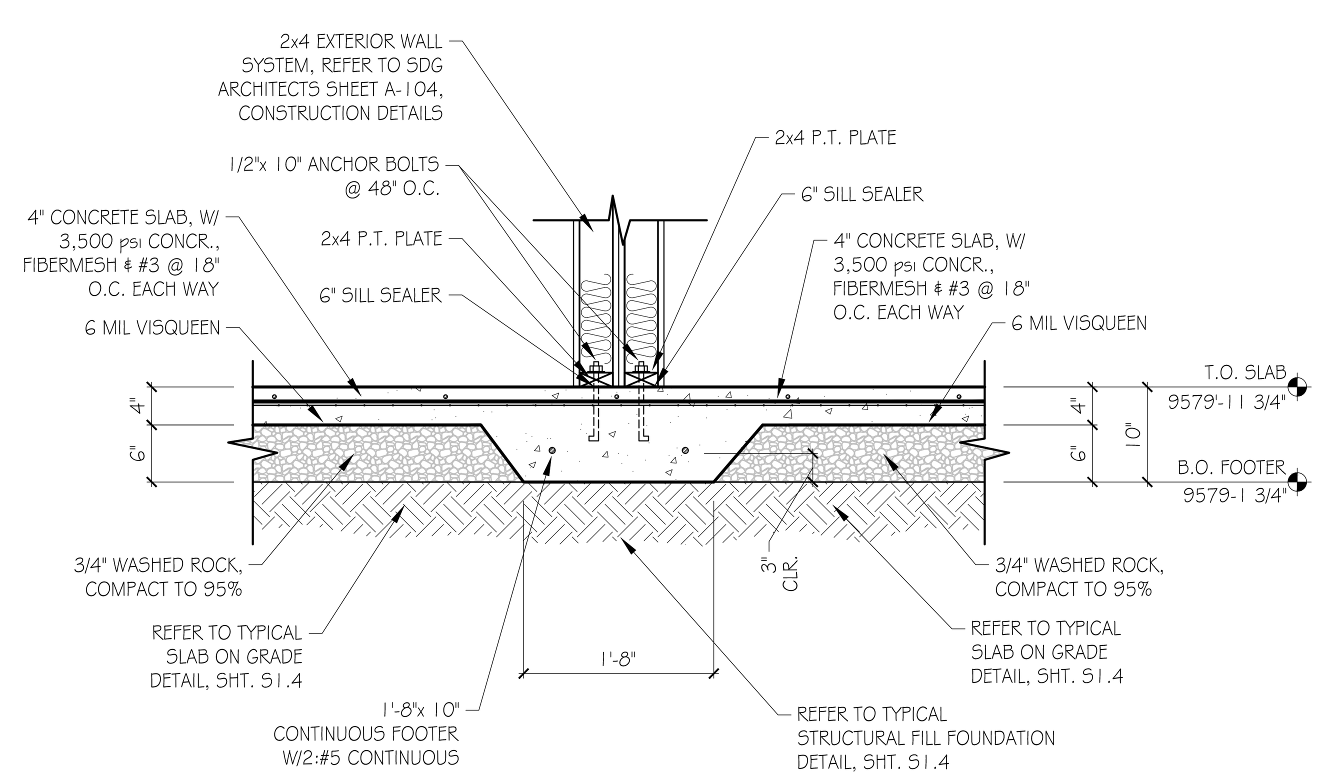
5 DETAIL SECTION

SCALE: 3/4" = 1'-0"



6 DETAIL SECTION

SCALE: 3/4" = 1'-0"



7 DETAIL SECTION

SCALE: 3/4" = 1'-0"

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SECTION DETAILS

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CHECKED BY: RLW

SCALE: AS NOTED

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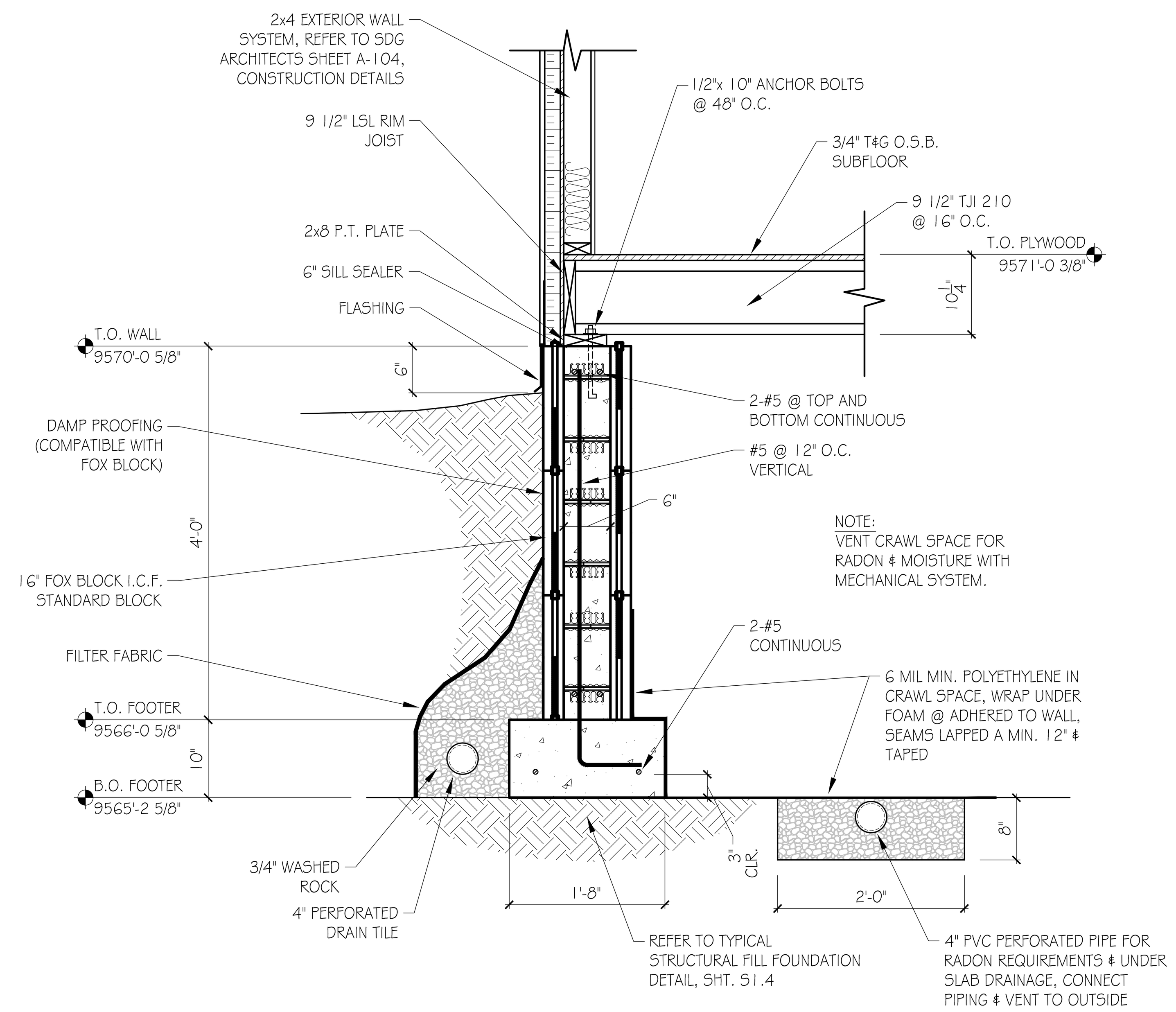
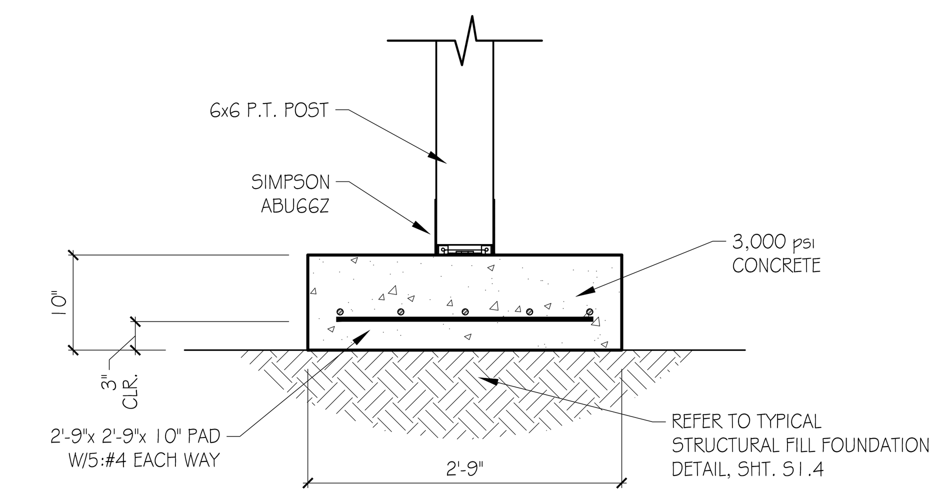
JOB NO. 3044

SHEET: S1.6

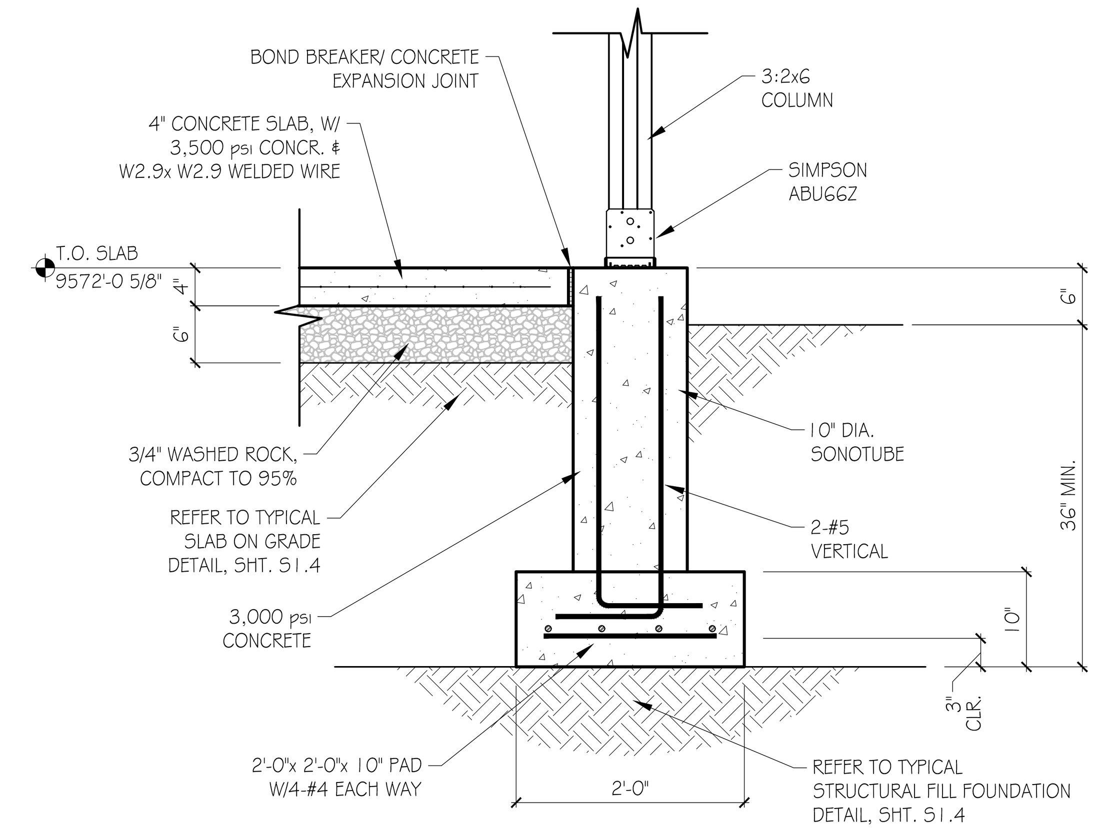
ENGINEER'S STAMP



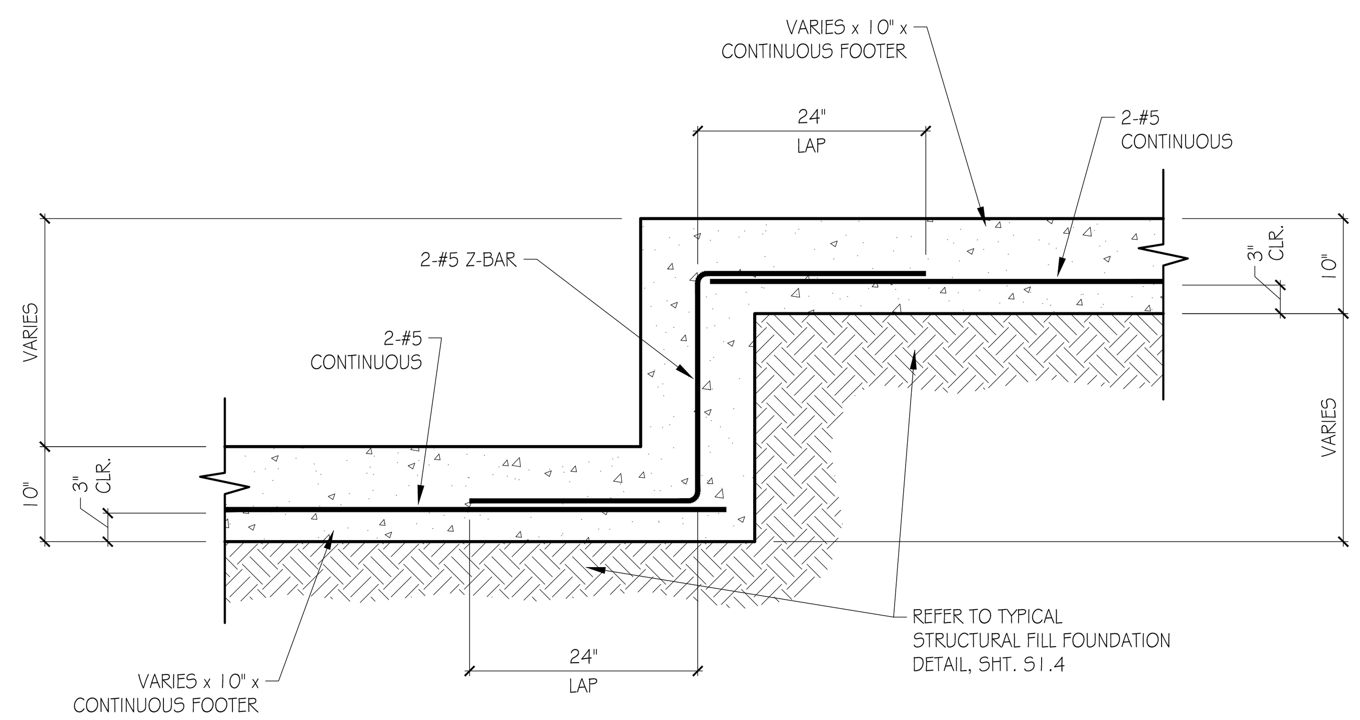
8 DETAIL SECTION
SCALE: 3/4" = 1'-0"



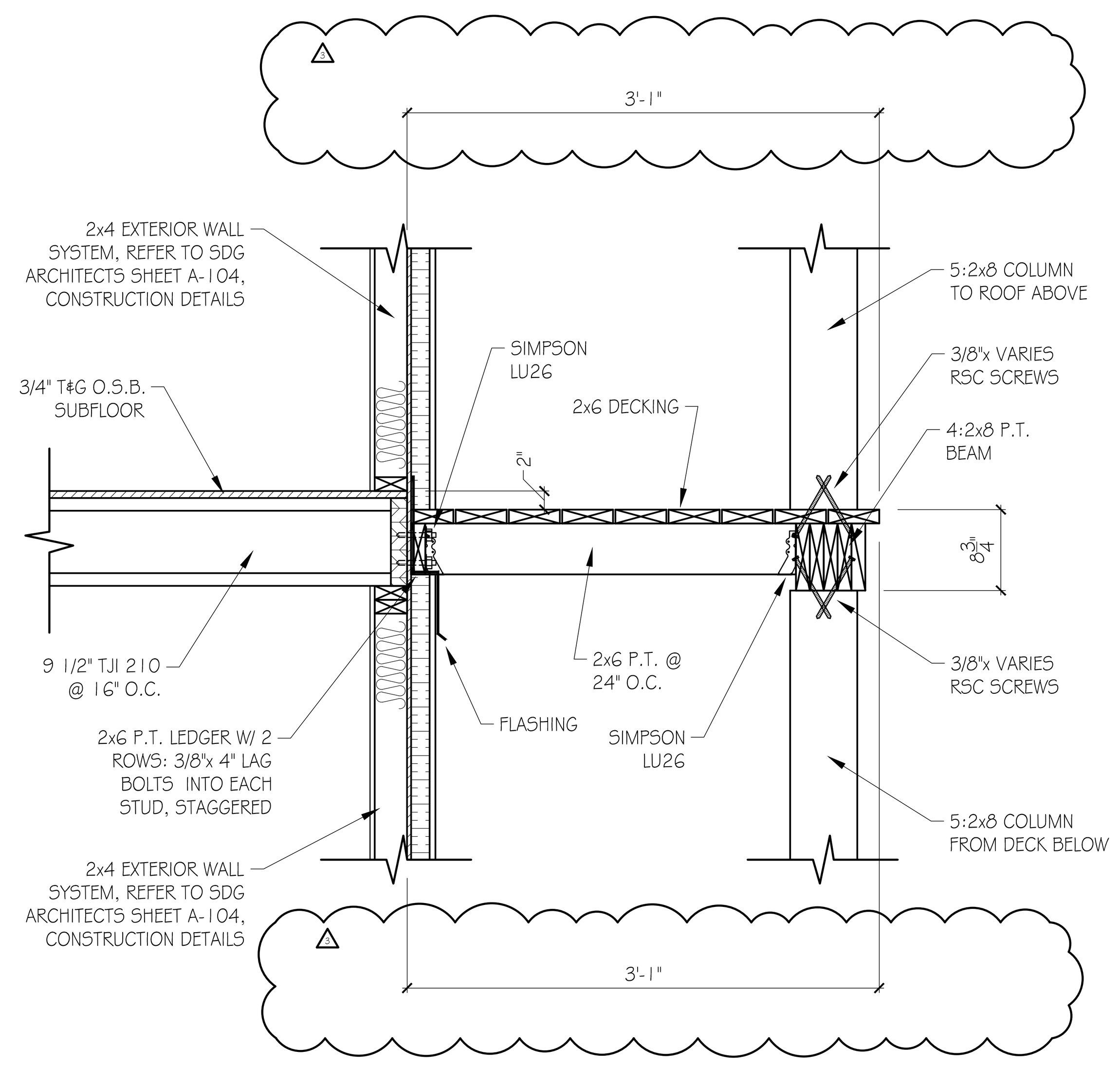
9 DETAIL SECTION
SCALE: 3/4" = 1'-0"



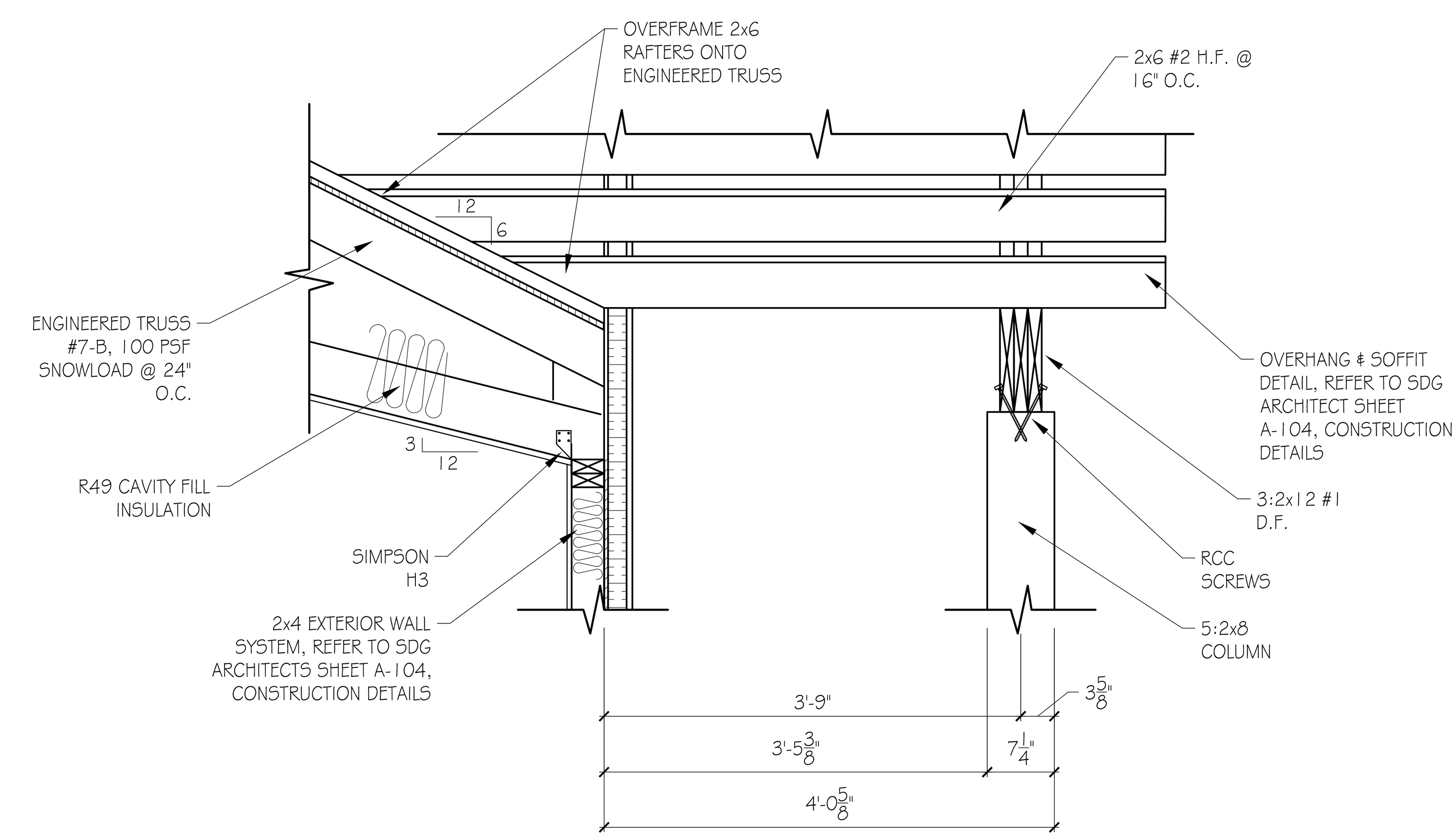
10 DETAIL SECTION
SCALE: 3/4" = 1'-0"



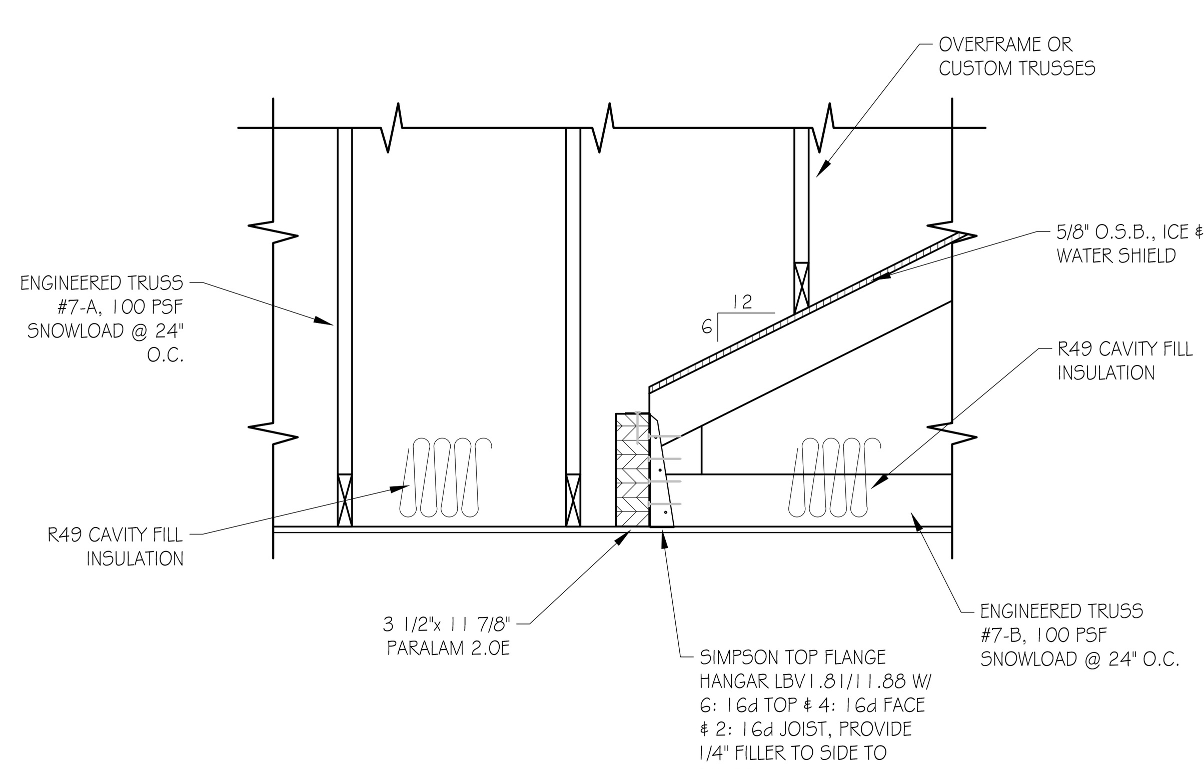
11 DETAIL SECTION
SCALE: 3/4" = 1'-0"



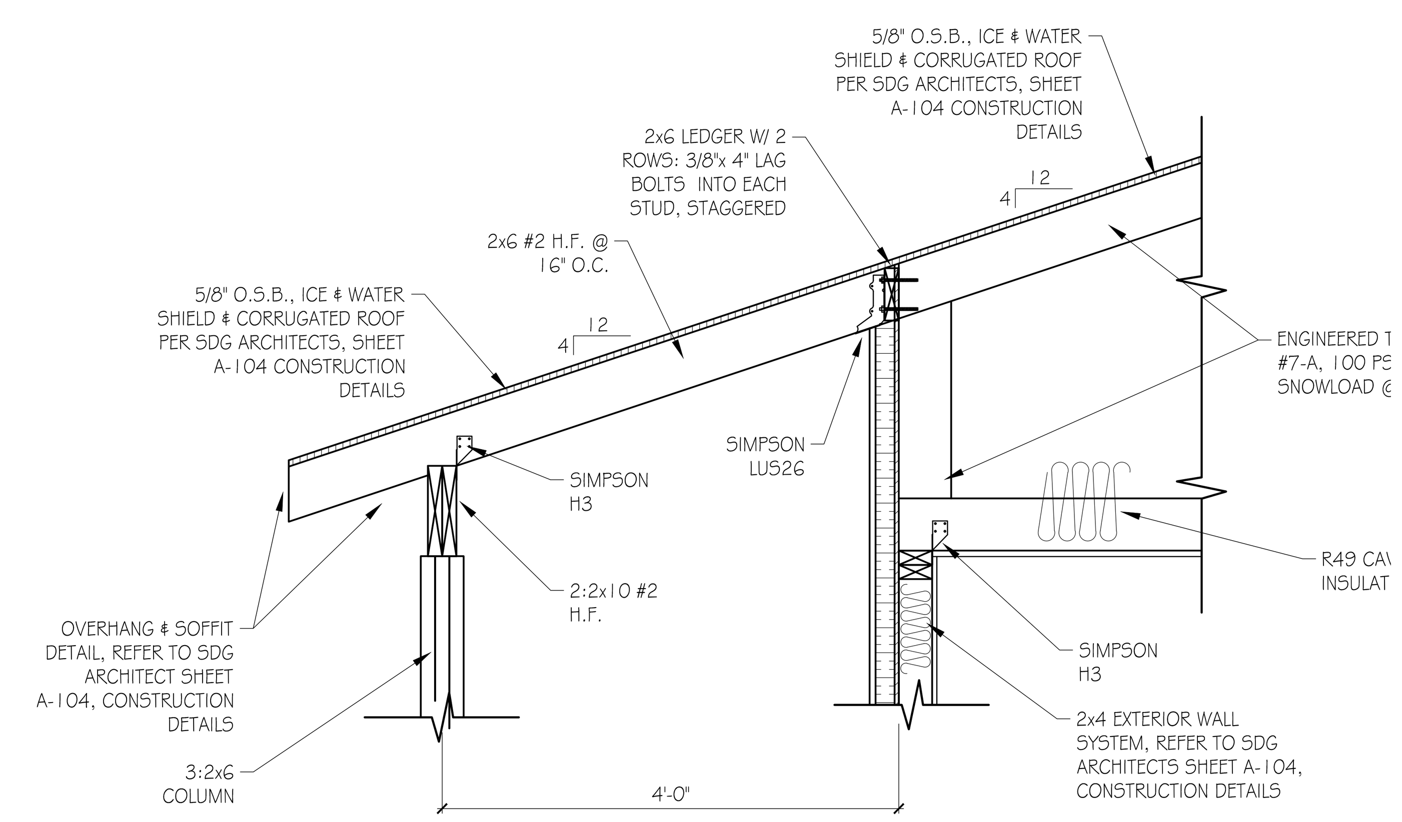
12 DETAIL SECTION
SCALE: N.T.S.



13 DETAIL SECTION
SCALE: 3/4" = 1'-0"



14 DETAIL SECTION
SCALE: 3/4" = 1'-0"



15 DETAIL SECTION
SCALE: 3/4" = 1'-0"

Revision	Date
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SECTION DETAILS

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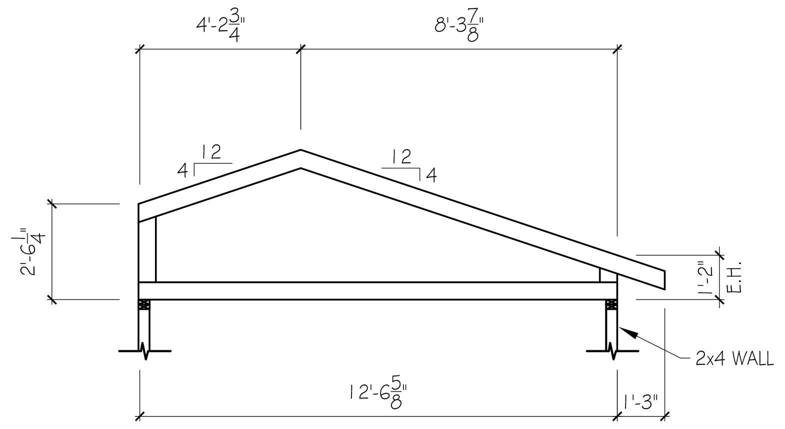
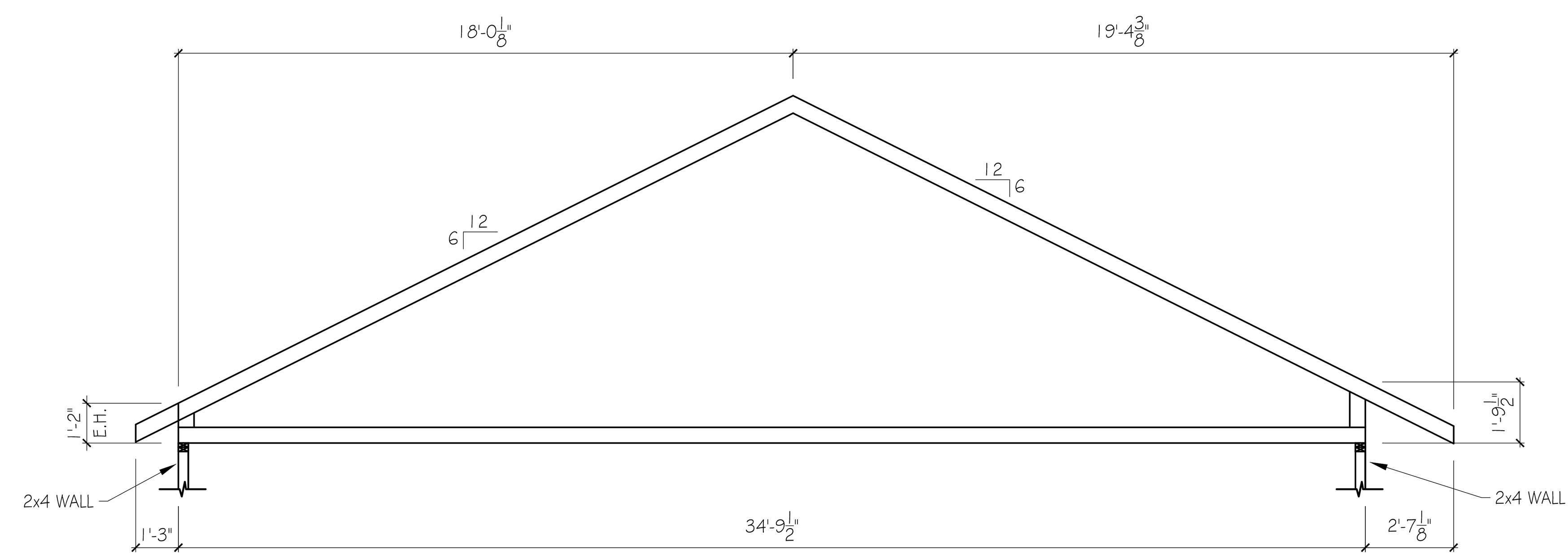
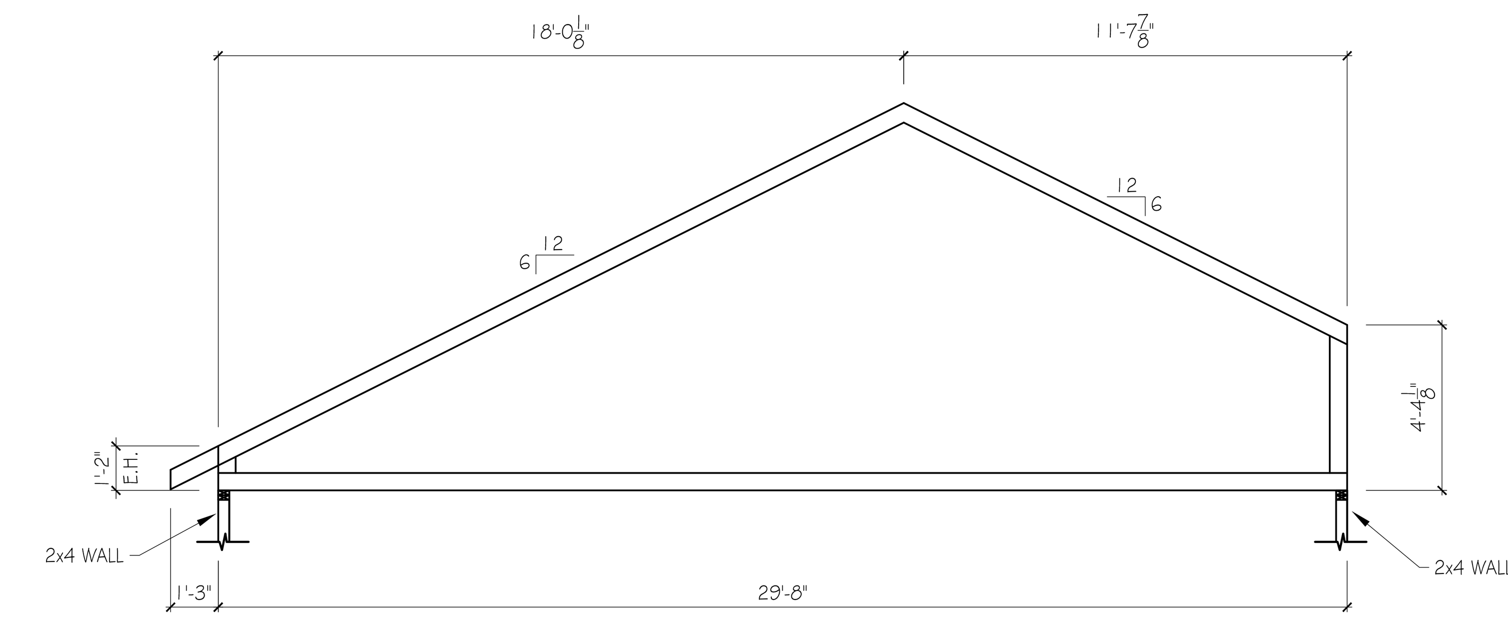


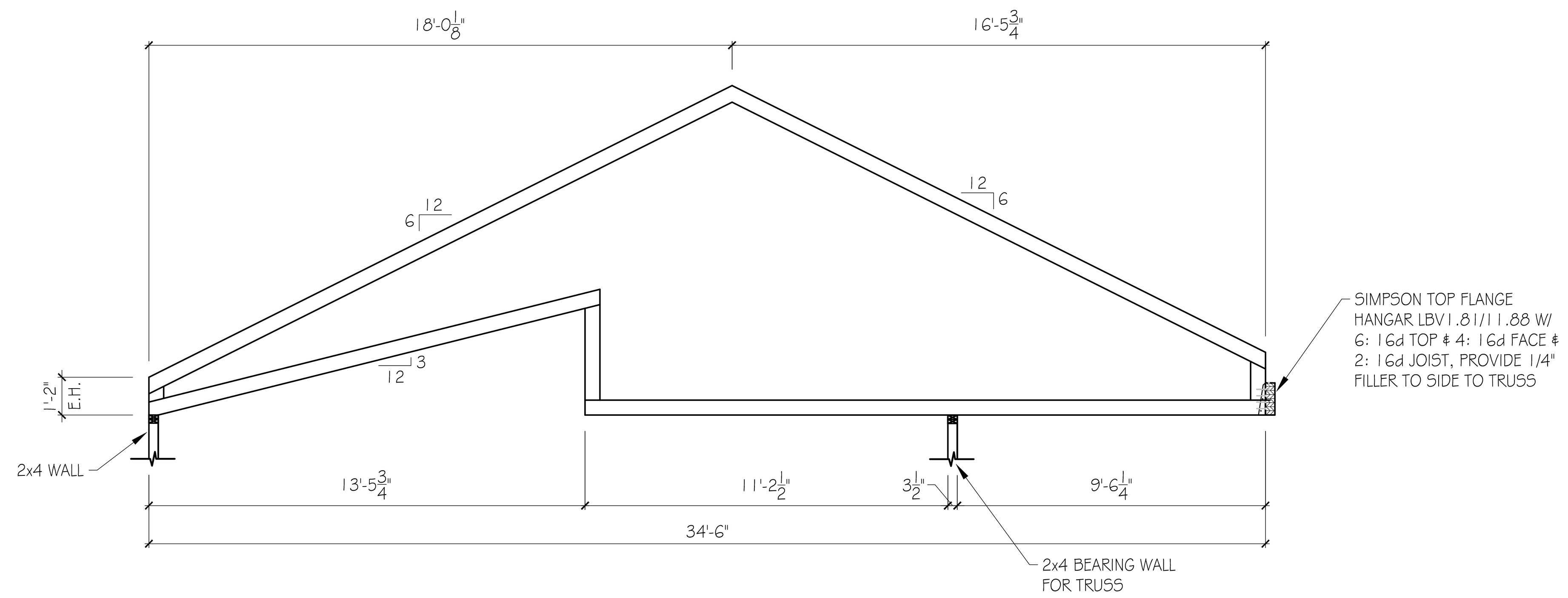
TRUSS DETAIL - #6-A
SCALE: 1/4" = 1'-0"



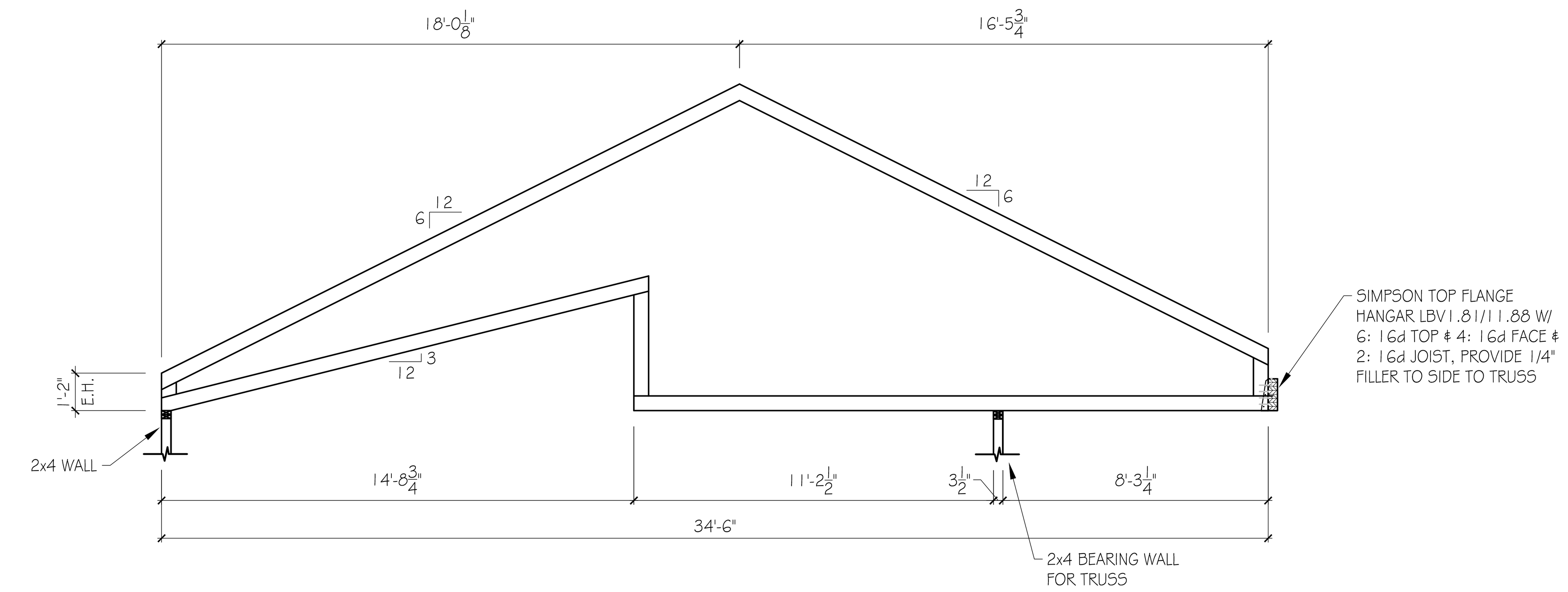
TRUSS DETAIL - #6-B
SCALE: 1/4" = 1'-0"



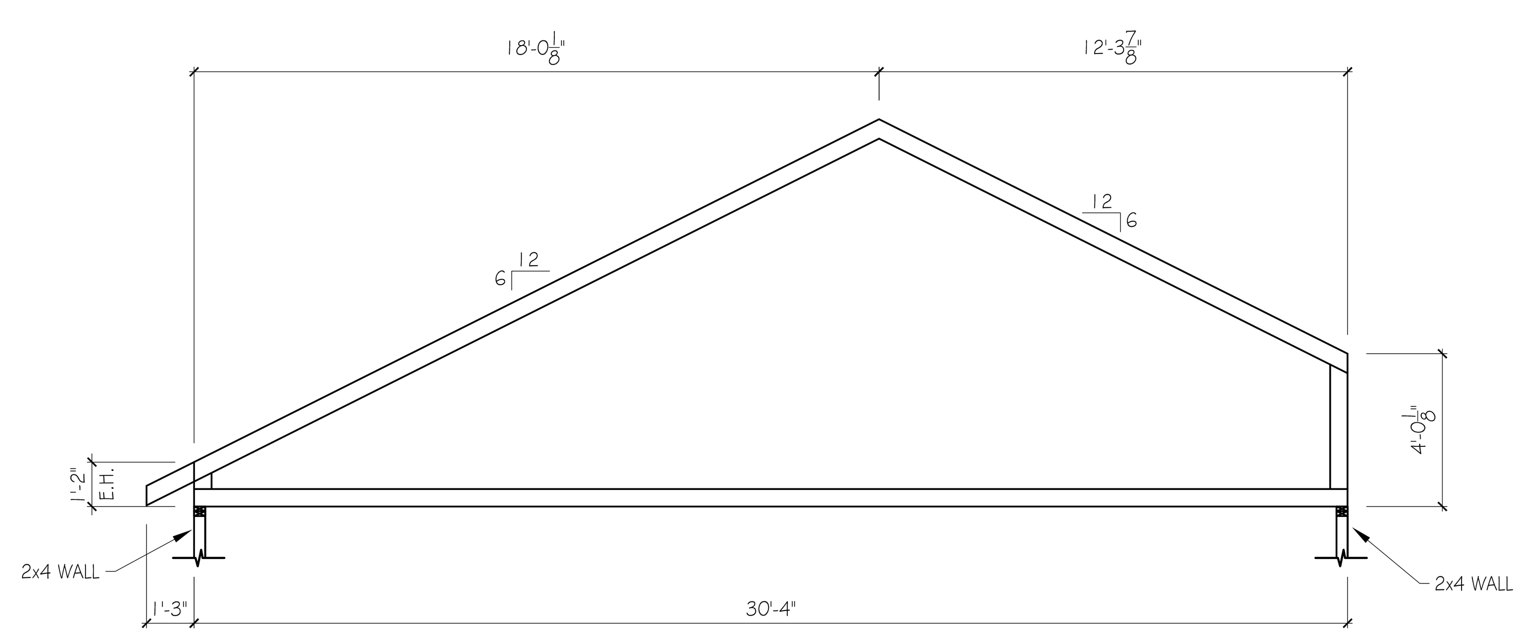
TRUSS DETAIL - #6-C
SCALE: 1/4" = 1'-0"



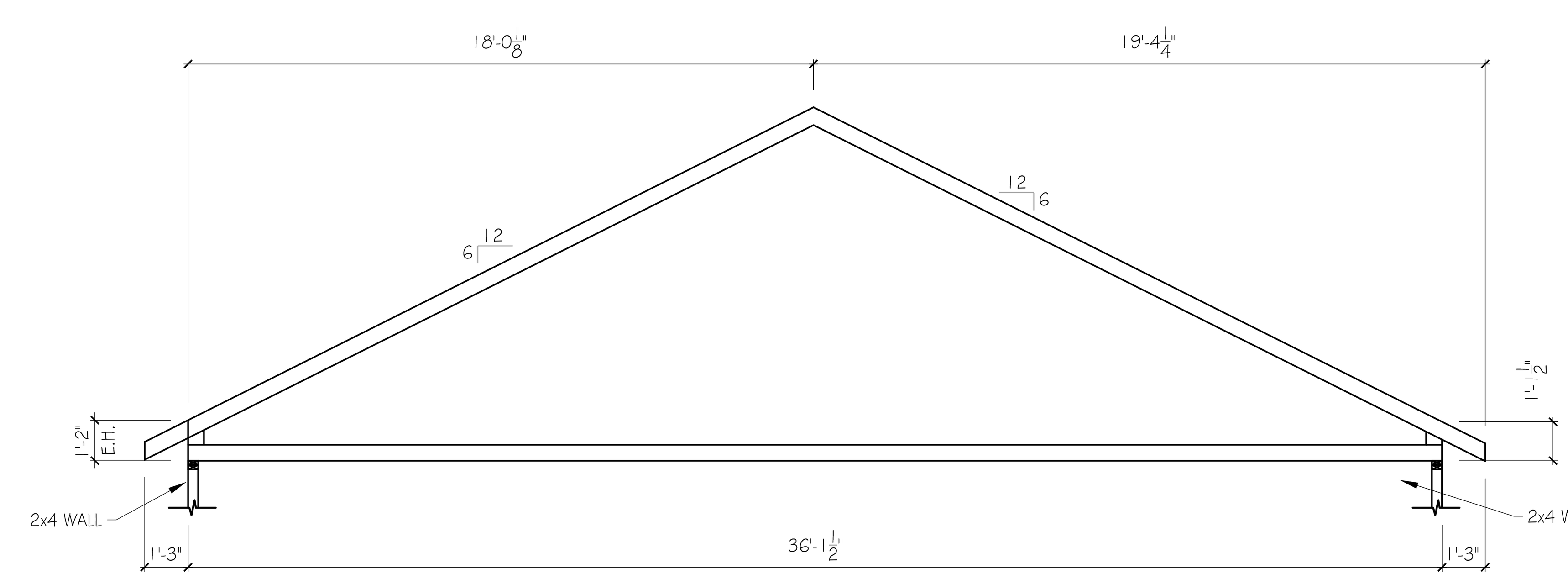
TRUSS DETAIL - #6-D
SCALE: 1/4" = 1'-0"



TRUSS DETAIL - #6-E
SCALE: 1/4" = 1'-0"



TRUSS DETAIL - #6-F
SCALE: 1/4" = 1'-0"



TRUSS DETAIL - #6-G
SCALE: 1/4" = 1'-0"

ISSUED FOR BUILDING PERMIT	6/28/20
1 REVISED STRUCTURAL PLANS & SECTION DETAILS FOR REVISED EXTERIOR DECKS	1/22/21
2 REVISED JOISTS FROM TJI TO BCI & REVISED BEAMS AND HANGERS	6/2/21
3 REVISED DECK SIZE	8/6/21

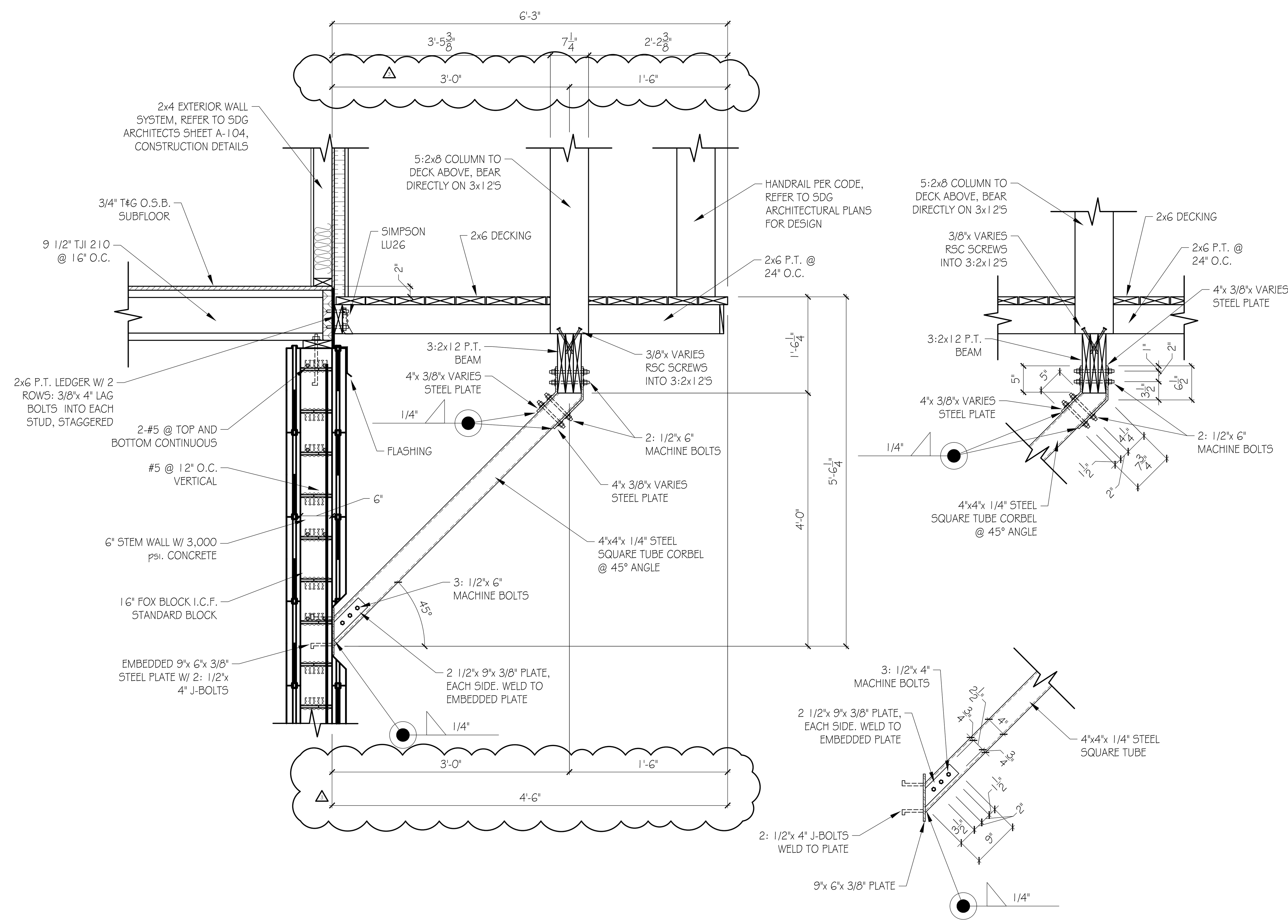
WILLIAMS ENGINEERING LLC
400 NORTH MAIN STREET
GUNNISON COLORADO 81230
PH. (970) 641-2499
EMAIL: info@williams-eng.net

ROOF TRUSS DETAILS

THE PROSPECT HOMESTEAD SUB.
BUILDING #6
UNITS B&C - 3 BEDROOM PLANS
LOTS 11 TO 14
CRESTED BUTTE, COLORADO 81224
GUNNISON COUNTY, COLORADO 81230

DRAWN BY: DWP
CHECKED BY: RLW
SCALE: AS NOTED
MOST CURRENT DATE: 6/2/2021
JOB NO. 3044
SHEET: S1.8

ENGINEER'S STAMP



16 **DETAIL SECTION**

SCALE: N.T.S.

	ISSUED FOR BUILDING PERMIT	6/28/20
1	REVISED STRUCTURAL PLANS & SECTION DETAILS FOR REVISED EXTERIOR DECKS	1/22/21
2	REVISED JOISTS FROM TJI TO BCI & REVISED BEAMS AND HANGERS	6/2/21
3	REVISED DECK SIZE	8/6/21

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CANTILEVER DECK REVISION-SECTION DETAILS

THE PROSPECT HOMESTEAD SUB.
BUILDING #6
UNITS B&C - 3 BEDROOM PLANS
LOTS 11 TO 14
CRESTED BUTTE, COLORADO 81224
GUNNISON COUNTY, COLORADO 81230

DRAWN BY: DWP
CHECKED BY: RLW
SCALE: AS NOTED
MOST CURRENT DATE: 6/2/2021
JOB NO. 3044
SHEET: S1.9

ENGINEER'S STAMP