- 1) S.E.O.R. REFERS TO THE STRUCTURAL ENGINEER OF RECORD, BLACK CANYON ENGINEERS (B.C.E.)
- 2) ALL NOTIFICATIONS REQUIRED & INFORMATION TO BE PROVIDED (E.G. PHOTOS, ETC.) TO THE S.E.O.R. SHALL BE IN WRITING VIA EMAIL TO INSPECTIONS@BLACKCANYONENGINEERS.COM S.E.O.R. WILL RESPOND IN WRITING WHEN GIVING APPROVAL TO PROCEED (E.G. POURING CONCRETE AFTER REBAR/REINFORCEMENT INSPECTION), DO NOT COMMENCE WITHOUT WRITTEN

  3. ALL FOOTING SILLS SHALL BE ATTACHED AS PER THE FOUNDATION PLAN DETAIL. SAID BOLTS SHALL BE SPACED NOT
- 3) OWNER/BUILDER/CONTRACTOR TO VERIFY ACCURACY OF FOUNDATIONS PLANS WITH ARCHITECT / DESIGNER OF RECORD (A.O.R.) (REF: KAREN FISCHER, DESIGN DATED: 08/07/2022), REVISED: 11/15/2022, CIVIL ENGINEER OF RECORD (C.E.O.R.), MECHANICAL/ELECTRICAL/PLUMBING ENGINEER OF RECORD (M.E.O.R.), O.W.T.S. ENGINEER OF RECORD (O.E.O.R.) ROOF, FLOOR, 5. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE APPROVED FOR USE & PRESSURE TREATED (P.T.) ETC. PLANS AND NOTIFY S.E.O.R. OF ANY DISCREPANCIES PRIOR TO FORM PLACEMENT, MAT. PURCHASE AND CONSTRUCTION
- 4) CRAWLSPACES MUST BE VENTILATED PER GOVERNING CODE. REFER TO ARCH. FOR CRAWLSPACE VENTING AND DESIGN.
- 5) THE S.E.O.R. SHALL BE NOTIFIED A MINIMUM OF 5 BUSINESS DAYS IN ADVANCE VIA EMAIL FOR INSPECTION OF BOTH THE FOUNDATION HOLE WHEN EXCAVATION HAS BEEN COMPLETED & 8. REINFORCEMENT PROTECTION SHALL BE AS FOLLOWS: FORMED CONCRETE NOT EXPOSED TO THE EARTH: 2", FORMED CONCRETE EXPOSED TO THE EARTH: 3"
- ALL REBAR PLACEMENT PRIOR TO POURING. FURTHER INSPECTION PER LOCAL BUILDING CODES MAY BE REQUIRED 6) JOISTS, RAFTERS, TRUSSES, HEADERS & BEAMS BY OTHERS UNLESS SPECIFIED. IF APPLICABLE, TRUSS & FLOOR DESIGN BY:ALPINE LUMBER CO., DATED: 11/30/2022. WHEN ROOF & FLOOR

DESIGNS BY OTHERS ARE USED BE S.E.O.R., THE DESIGN CONTAINED HEREIN IS BOUND TO THE REFERENCED DATED DESIGN; ANY CHANGE OR DEVIATION WILL WHOLLY INVALIDATE THIS

- DOCUMENT AND PROHIBIT IT'S USE. NOTIFY S.E.O.R. IF YOU SUSPECT OR KNOW THAT A CHANGE HAS BEEN MADE TO THE PROVIDED ROOF & FLOOR DESIGN. 7) THE S.E.O.R. SHALL BE NOTIFIED IF ADVERSE OR POOR SOIL CONDITIONS OR WATER ARE ENCOUNTERED UPON EXCAVATION. FURTHER ENGINEERING MAY BE REQUIRED
- 8) PROVIDE P.T. FLOOR FRAMING IF MIN. DISTANCE TO SOILS IS LESS THAN 12" FOR BEAMS & 18" FOR JOISTS
- 9) ANCHORS REQUIRED TO RESIST UPLIFT FORCES ON MANUFACTURED / PRE-ENGINEERED TRUSSES ARE DESIGNED BY OTHERS.
- 10) VALID, ORIGINAL DOCUMENT ONLY WITH SIGNED SEAL
- 11) SPECIFICATIONS APPLY TO ALL PAGES HEREIN

AND COMPLY WITH THESE REQUIREMENTS.

- 12) DO NOT SCALE, USE PRINTED DIMS. ONLY
- 13) TOTAL PAGES = 6, SIZE: ARCH-D, DO NOT SEPARATE SET (E.G. TO SUB-CONTRACTORS), SET IS DESIGNED TO BE VIEWED IN IT'S ENTIRETY.
- CODE (IRC) ADOPTED BY THE AUTHORITY HAVING JURISDICTION (A.H.J.). ADDITIONALLY, ALL CONSTRUCTION SHALL COMPLY WITH ALL LOCAL BUILDING ORDINANCES, OR AS SPECIFICALLY NOTED ON THESE PLANS WITH THE MOST STRINGENT / CONSERVATIVE CONDITIONS GOVERNING. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND/OR BUILDER TO BE FAMILIAR WITH
- 15) DUE TO CHANGING BUILDING CODES AND THE EVOLVING NATURE OF ENGINEERING, THESE PLANS ARE VALID FOR ONE YEAR FROM DATE OF ISSUANCE. NOTIFY S.E.O.R. IF MORE TIME THAN THIS HAS ELAPSED FOR A REVIEW AND RE-ISSUANCE.
- 16) FOR ALL PROPRIETARY PRODUCTS (EG. FASTENERS, JOIST HANGERS, RAFTER HANGERS, COLUMN BASES, COLUMN CAPS, HURRICANE CLIPS, ETC.), FOLLOW ALL MANUFACTURER'S INSTRUCTIONS AND U.N.O., USE THE MOST CONSERVATIVE NAILING / SCREW QUANTITIES TO MAXIMIZE THAT ELEMENTS LOAD CAPACITY.
- 17) U.N.O., ALL PROPRIETARY HARDWARE (EG. FASTENERS, JOIST HANGERS, RAFTER HANGERS, COLUMN BASES, COLUMN CAPS, HURRICANE CLIPS, ETC.) SHALL BE MANUFACTURED BY THE SIMPSON STRONG TIE COMPANY.
- ADDITIONAL PROJECT SPECIFIC NOTES

# PROJECTS INVOLVING EXISTING STRUCTURES:

PROJECT & WORK SHALL COMPLY WITH THE INTERNATIONAL EXISTING BUILDING CODE, LATEST EDITION.

### GEOTECHNICAL & FOUNDATION

- 1. SOIL BEARING DESIGN CAPACITY IF NO GEOTECHNICAL REPORT AVAILABLE / REFERENCED: 1,500 POUNDS PER SQ. FT.
- 2. REFERENCED GEOTECHNICAL REPORT & GEOTECHICAL ENGINEER OF RECORD (G.E.O.R.) (IF APPLICABLE): GOODRICH ENGINEERING, LLC., PROJECT 77-1, DATED SEPTEMBER 26, 2022. FOLLOW ALL RECOMMENDATIONS & INSTRUCTIONS IN REPORT, NOTIFY S.E.O.R. & G.E.O.R. OF DISCREPANCIES. IF THESE RECOMMENDATIONS ARE NOT FOLLOWED, B.C.E. CANNOT BE HELD RESPONSIBLE.
- 3. FOUNDATION SHALL BEAR UPON THE BEARING SURFACE AT MINIMALLY THE FOLLOWING DEPTHS BELOW EXISTING GRADE: 26" (MONTROSE CNTY.), 36" (GUNNISON CNTY.), 40"+FOOTER THICK. (OURAY COUNTY), 24" (MESA COUNTY). CONTACT LOCAL JURISDICTION IF COUNTY NOT LISTED
- 4. THE FINISH GRADE SURROUNDING THE FOUNDATION SHALL BE AT A MINIMUM OF A 4% GRADE, AWAY FROM THE STRUCTURE SO AS TO DIVERT WATER
- 5. ROOF GUTTERS AND DOWNSPOUTS SHALL BE INSTALLED BY BUILDER ALONG ALL EVES. MINIMUM LENGTH THAT DOWNSPOUT SHALL EXIT WATER AWAY FROM FOUNDATION IS 10 FEET.
- 6. WHERE SPECIFIED OR REQUIRED, ALL FOUNDATION DRAINS SHALL NOT ACCEPT INPUTS FROM SURFACE OR ROOF DRAINAGE.
- 7. FOUNDATION HOLE SHALL BE FREE OF ALL DELETERIOUS MATERIAL
- BOTTOMS OF FOUNDATION EXCAVATIONS SHALL BE SCARIFIED 6-8" DEEP, MOISTURE CONDITIONED AND RE-COMPACTED TO MIN. 95% STD. PROCTOR MAX. DRY DENSITY, WITHIN ±2% OF THE OPTIMUM MOISTURE CONTENT AS PER ASTM D698.
- 9. UNLESS NOTED OTHERWISE (E.G. REFERENCED GEOTECHINCAL REPORT/G.E.O.R.): STRUCTURAL FILL SHALL BE MOISTURE CONDITIONED, PLACED IN MAX. 6 IN LOOSE LIFTS, AND COMPACTED TO A MIN. 95% OF THE STD. PROCTOR MAX. DRY DENSITY FOR FINE GRAINED SOILS OR MOD. PROCTOR MAX. DRY DENSITY FOR COARSE GRAINED SOILS, WITHIN ±2% OF THE OPTIMUM MOISTURE CONTENT AS DET. IN ACCORDANCE WITH ASTM D698 OR D1557 RESPECTIVELY. STRUCTURAL FILL SHALL BE WITHIN 0.1' OF THE BOTTOM OF THE FOUNDATION; NO MORE THAN 0.1' GRAVEL SHALL BE PLACED BELOW FOUNDATION AS A LEVELING COURSE. STRUCTURAL FILL SHALL BE WRAPPED FULLY BY A SUITABLE GEO-TEXTILE FABRIC TO PREVENT MIXING WITH NATIVE MATERIALS DURING COMPACTION.
- 10. INSULATION TO MEET IECC AND A.H.J. CODE. VERIFY WITH A.O.R.
- 11. FOUNDATION CLEARANCES FROM SLOPES MUST BE AT LEAST THE SMALLER OF HALF THE HEIGHT OF THE SLOPE OR 15 FEET FROM THE TOE AND AT LEAST THE SMALLER OF ONE THIRD THE HEIGHT OF THE SLOPE OR 40 FEET FROM THE TOP OF A SLOPE.

## MICROPILE & GRADE BEAM BASED FOUNDATION DESIGNS (IF APPLICABLE)

- 1. ALL FOUNDATIONS SHALL USE 4" NOMINAL DIAMETER GROUTED MICRO-PILINGS AS SHOWN; REFER TO REFERENCED GEOTECHNICAL REPORT FOR ADD'L DETAILS TO BE FOLLOWED.
- 2. 45 FOOT MINIMUM LENGTH UNLESS NOTED OTHERWISE. COMPETENT BEDROCK BEGINNING & END DEPTH SHALL BE VERIFIED BY GEOTECHNICAL ENGINEER OF RECORD DURING PILE
- 3. MINIMUM THREADED SOLID BAR SIZE SHALL BE #7 (22MM), GRADE 75. MINIMUM HOLLOW BAR SIZE SHALL BE 30MM, 85 KSI YIELD. ALL RODS SHALL BE CENTERED IN GRADE BEAMS UNLESS NOTED OTHERWISE.
- 4. PROVIDE CENTRALIZERS AS REQUIRED TO MAINTAIN CLEARANCE
- 5. PVC BOND BREAKER SLEEVE SHALL BE EXTENDED DOWN 35 FT. BELOW GRADE.
- 6. PROVIDE 4"x 10"x 1/2" A36 BEARING PLATE W/NUTS ABOVE AND BELOW AT EACH MICROPILE AS SHOWN ON DETAILS. SNUG NUTS TIGHT.
- 7. PROVIDE 6"x 6" x 1/2" A36 BEARING PLATE AT EACH COLUMN BEARING SUPPORT (PIER CAP) W/NUTS ABOVE AND BELOW AT SHOWN ON DETAILS. SNUG NUTS TIGHT.
- 8. GROUT MIX SHALL OBTAIN A COMPRESSIVE STRENGTH OF 4000 PSI @ 28 DAYS.
- 9. INSTALL MICROPILES PER MANUFACTURERS INSTRUCTIONS, RECOMMENDATIONS & PTI RECOMMENDATIONS.
- 10. PILE CONTRACTOR SHALL TEST PRODUCTION PILES (MIN. 10%) PER PTI STANDARDS.
- 11. PILE CONTRACTOR, UNLESS INSTRUCTED BY THE S.E.O.R. IN WRITING NOT TO, SHALL INSTALL A TEST PILE ON THE SITE TO FIND EMPIRICAL SKIN FRICTION VALUES AND REPORT THESE TO ALL ENGINEERS OF RECORD PRIOR TO COMMENCEMENT OF WORK OR MATERIALS PURCHASE.
- PILE CONTRACTOR SHALL PROVIDE A LOG OF ALL PILE LENGTHS AND RESULTS OF ALL TESTING TO THE S.E.O.R.

- 1. REBAR (REINFORCING STEEL) SHALL CONFORM TO ASTM A-615, GRADE 60, EXCEPT STIRRUPS, COLUMN TIES AND #3 BARS MAY BE GRADE 40. ALL STOCK SHALL BE NEW DEFORMED, AND SHALL BE FREE OF RUST, GREASE, MILL SCALE, DIRT OR ANY OTHER SUBSTANCE THAT MAY AFFECT IT'S BOND TO CONCRETE.
- 2. ALL BAR BENDS SHALL BE MADE COLD.
- 3. ALL LAP SPLICES SHALL BE A MINIMUM OF 40 BAR DIAMETERS AND SHALL BE CONTINUOUS AROUND CORNERS.
- 4. STRUCTURAL STEEL SHALL COMPLY WITH:
- 4.1. PLATE: ASTM A-36
- 4.2. HSS: ASTM A500 GR. B 4.3. WIDE FLANGE SECTIONS: ASTM A992 Fy=50 ksi MIN.
- 4.4. ANGLE: ASTM A-36 4.5. C-CHANEL: ASTM A-36
- 5. ALL STRUCTURAL STEEL SHALL COMPLY WITH AISC 360-LATEST ED.
- 6. ALL WELDS SHALL COMPLY WITH AWS D1.1-LATEST EDITION
- 7. ALL WELD ELECTRODES, U.N.O., SHALL BE E70XX OR MIN. 70 KSI
- 8. ALL WELDERS SHALL HAVE CURRENT QUALIFICATIONS FOR THE WELDS, THICKNESSES, POSITIONS AND PROCESSES REQUIRED.
- 9. ALL BOLTS SHALL BE A325 U.N.O.

1. USE TYPE II PORTLAND CEMENT.

10. ALL WELDABLE REBAR SHALL BE ASTM A706 U.N.O.

- 2. CONCRETE USED FOR FOOTINGS, STEM WALLS AND SLABS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,500 PSI 28 DAYS FROM INITIAL POURING. CONCRETE SHALL BE AIR ENTRAINED, 5-7%. ALL CONCRETE WORK SHALL CONFORM TO AMERICAN CONCRETE INSTITUTE (ACI) SPECIFICATION ACI 301-LATEST EDITION AND THE BUILDING CODE REQUIREMENTS ACI 318-LATEST EDITION. NO CONCRETE TO BE POURED ON FROZEN SOIL & ALL CONCRETE TO BE PROTECTED FROM FREEZING DURING & AFTER POURING.
- MORE THAN 48 INCHES O.C. AND NOT MORE THAN 12 INCHES FROM CUT ENDS OF THE SILLS
- 4. ALL FOUNDATION SILLS SHALL BE MINIMALLY 6 INCHES ABOVE GRADE AND SHALL BE PRESSURE TREATED WOOD
- 6. NON-LOAD BEARING INTERIOR WALLS MAY BE SECURED TO CONCRETE USING 3 INCH SHANK, 0.145 INCH SHANK DIAMETER WASHERED POWDER PINS PLACED 3 FEET O.C.
- 7. ALL ITEMS PLACED IN CONCRETE (BOLTS, ANCHORS, INSERTS, HOLDDOWNS, DOWELS, ETC.) SHALL BE SECURED FOR BOTH LOCATION AND ORIENTATION UNTIL CONCRETE HAS HARDENED
- 9. CONCRETE SLABS SHALL BE SAWCUT AT 10 FOOT INTERVALS IN EACH DIRECTION. PLACE (3) 3' LONG PIECES OF #4 REBAR, 1' O/C, AT 45 DEG. ANGLE. TO REBAR GRID @ RE-ENTRANT CORNERS
- IN SLABS WITHIN 1' OF CORNER.
- 10. PIPES THAT NEED TO PASS THROUGH CONCRETE SHALL DO SO ONLY WITHIN SLEEVES

# 11. ALL CONCRETE WALL AND FOOTING POURS SHALL BE MECHANICALLY VIBRATED

- 1. ALL MASONRY CONSTRUCTION SHALL FOLLOW TMS 402/602, ACI 530, ASCE5, LATEST EDITION OF EACH.
- MASONRY CONSTRUCTION SHALL ACHIEVE MINIMUM SPECIFIED MASONRY COMPRESSIVE STRENGTH (f'm) OF 2,000 PSI.

- 1. ALL SAWN JOISTS, RAFTERS, HEADERS, POSTS, BEAMS, AND LIGHT FRAMING MEMBERS SHALL BE DOUG-FIR LARCH GR. 2 OR BETTER U.N.O.
- 2. ALL SAWN 2x MEMBERS SHALL BE MFG. & USED @ 19% MAX. MOISTURE CONTENT AND SHALL BEAR THE LABEL "S.DRY" OR "MC-15" ON THE GRADING STAMP
- 14) ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE YEAR ADDITION OF THE INTERNATIONAL BUILDING CODE (IBC) OR INTERNATIONAL BUILDI
  - 4. ALL LUMBER AND INSTALLATION OF SHALL CONFIRM WITH LOCAL APPLICABLE BUILDING CODES & THE N.D.S. (NATIONAL DESIGN SPECIFICATION FOR WOOD).
  - 5. ALL LUMBER SHALL BE STAMPED PER AN APPROVED GRADING AGENCY
  - 6. THE S.E.O.R. SHALL BE NOTIFIED FOR INSPECTION WHEN ALL STRUCTURAL FRAMING IS COMPLETE BUT PRIOR TO COVERING, MIN. 5 BUSINESS DAYS NOTICE.
  - 7. "LVL" AS REFERENCED HEREIN SHALL REFER TO LAMINATED VENEER LUMBER (E.G. MICROLLAM 2.0E), NOM. WIDTH = 1.75", MFG. BY TRUSS JOIST. ALL LVL TO HAVE AT LEAST THE MINIMUM DESIGN STRESSES LISTED BELOW:
  - 7.1. Fb=2,600 PSI Fv= 285 PSI Fc(II)= 2,310 PSI Fc(Perp.) = 750 PSI E= 2,000,000 PSI
  - 8. U.N.O., ALL LOAD BEARING WALLS SHALL BE FRAMED WITH 2x6 STUDS @ 16" O/C, DOUBLE TOP PLATES.

### SHEATHING SCHEDULE U.N.O.

APPLICATION	MATERIAL	SPAN/INDEX	EDGE NAILING	FIELD NAILING
ROOF	5/8" OSB	32/16	8d @ 6" O.C.	8d @ 12" O.C.
FLOOR	3/4" T&G OSB	48/24	8d @ 6" O.C.	8d @ 12" O.C.
SHEAR WALL	7/16" OSB	24/0	8d @ 4" O.C.	8d @ 10" O.C.

ABBREVIATION ALT ARCH BOT BLDG	DEFINITION ALTERNATE ARCHITECTURAL	ABBREVIATION KLF	DEFINITION  KIPS PER LINEAL FOOT	
BOT BLDG	ARCHITECTURAL		KIPS PER LINEAL FOOT	
BLDG	II .	LBS	POUNDS	
	BOTTOM	LLH	LONG LEG HORIZONTAL	
	BUILDING	LLV	LONG LEG VERTICAL	
BM	BEAM	LSL	LAMINATED STRAND LUMBER	
BTWN	BETWEEN	LVL	LAMINATED VENEER LUMBER	
CIP	CAST-IN-PLACE	MAX	MAXIMUM	
CLR	CLEAR	MECH	MECHANICAL	
CMU	CONCRETE MASONRY UNIT	MIN	MINIMUM	
COL	COLUMN	(N)	NEW CONSTRUCTION	
CONC	CONCRETE	OC	ON CENTER	
CONT	CONTINUOUS	ОН	OPPOSITE HAND	
DIA, Ø	DIAMETER	O.F.	OUTSIDE FACE	
DIM	DIMENSION	PAF	POWDER ACTUATED FASTNER	
DTL	DETAIL	PERP	PERPENDICULAR	
DWGS	DRAWINGS	PJP	PARTIAL JOINT PENETRATION	
DWL	DOWEL	PL	PLATE	
EA	EACH	PLF	POUNDS PER LINEAL FOOT	
EF	EACH FACE	REINF	REINFORCEMENT	
ELEV	ELEVATION	REQD	REQUIRED	
EW	EACH WAY	SOG	SLAB ON GRADE	
EXIST, (E)	EXISTING CONSTRUCTION	SCHED	SCHEDULE	
EXP	EXPANSION	SIP	STRUCTURAL INSULATING PANE	
FDN	FOUNDATION	STFNR	STIFFENER	
FLR	FLOOR	STL	STEEL	
FTG	FOOTING	THK	THICKNESS	
GLB	GLULAM	TRAN	TRANSVERSE	
HORIZ	HORIZONTAL	TYP	TYPICAL	
ICF	INSULATED CONCRETE FORM	UNO	UNLESS NOTED OTHERWISE	
I.F.	INSIDE FACE	VERT	VERTICAL	
KIP	1000 LBF	VIF	VERIFY IN FIELD	

PLEASE NOTE: INSPECTION REQUESTS SHALL BE VIA EMAIL TO

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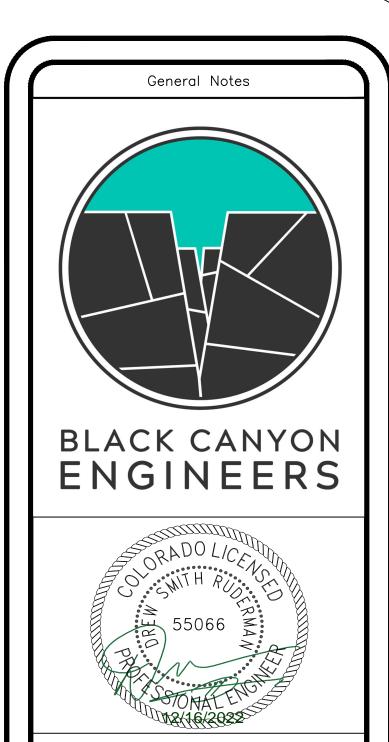
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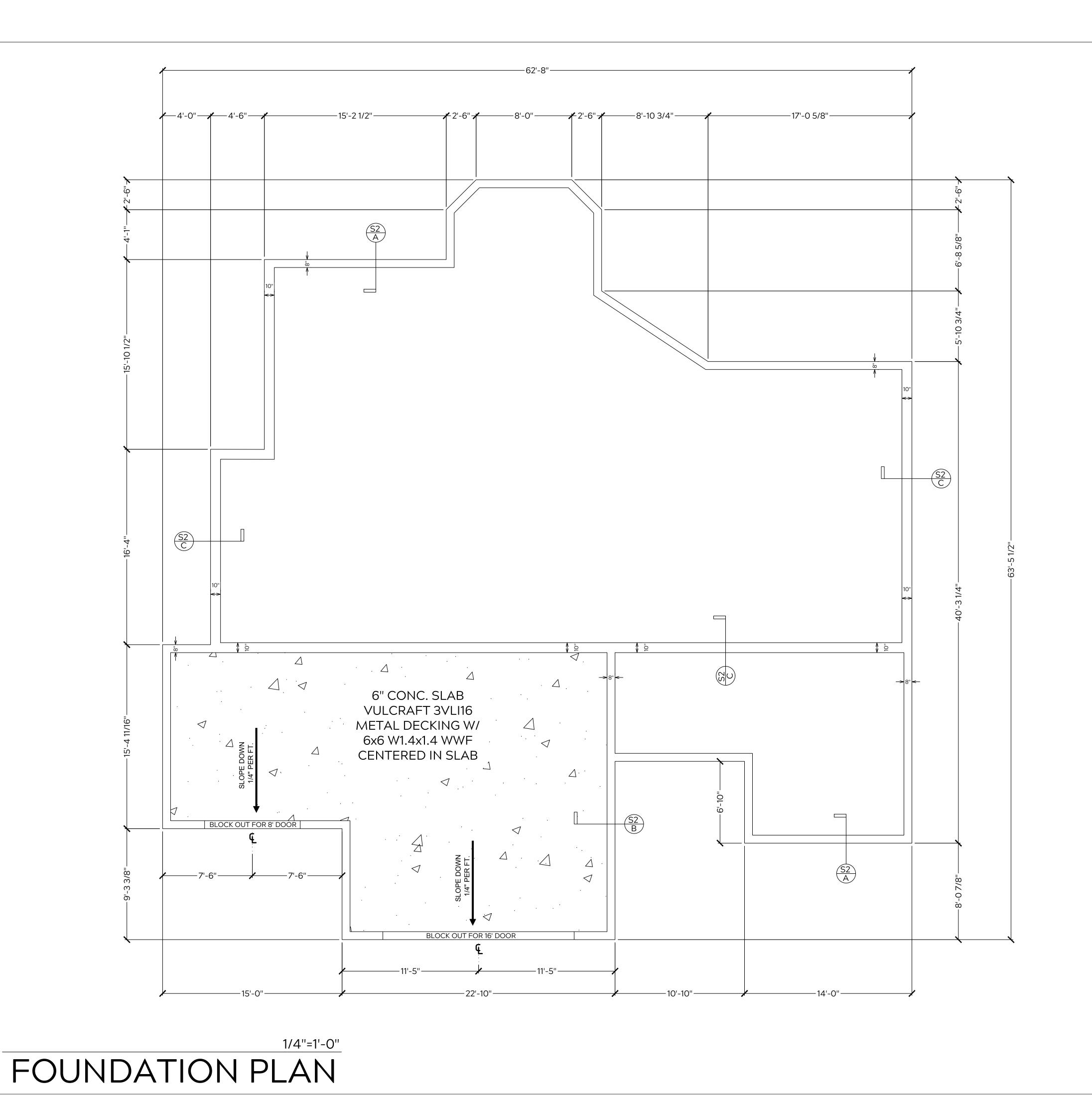
**ISSUE REVISION** /16/22 Date Revision/Issue

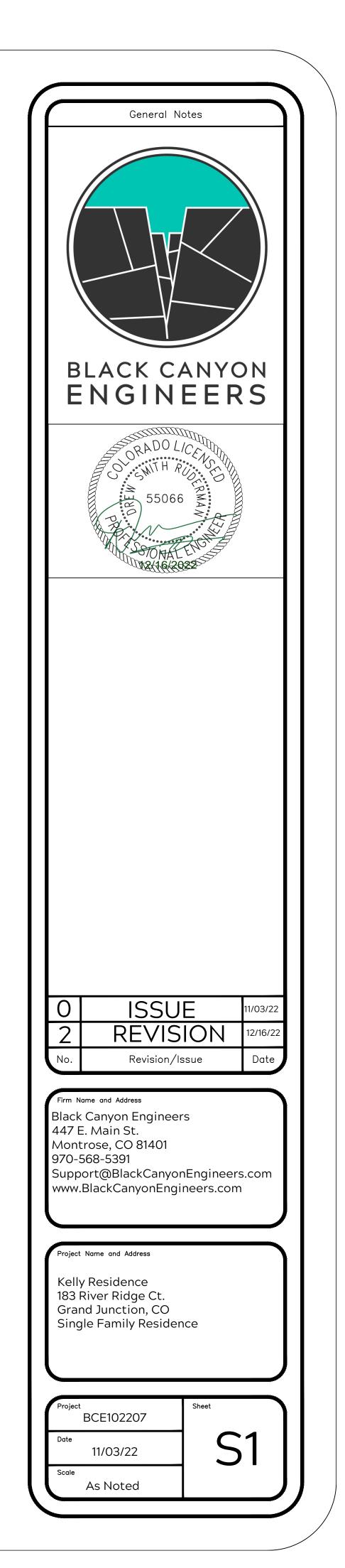
Firm Name and Address Black Canyon Engineers 447 E. Main St. Montrose, CO 81401 970-568-5391 Support@BlackCanyonEngineers.com www.BlackCanyonEngineers.com

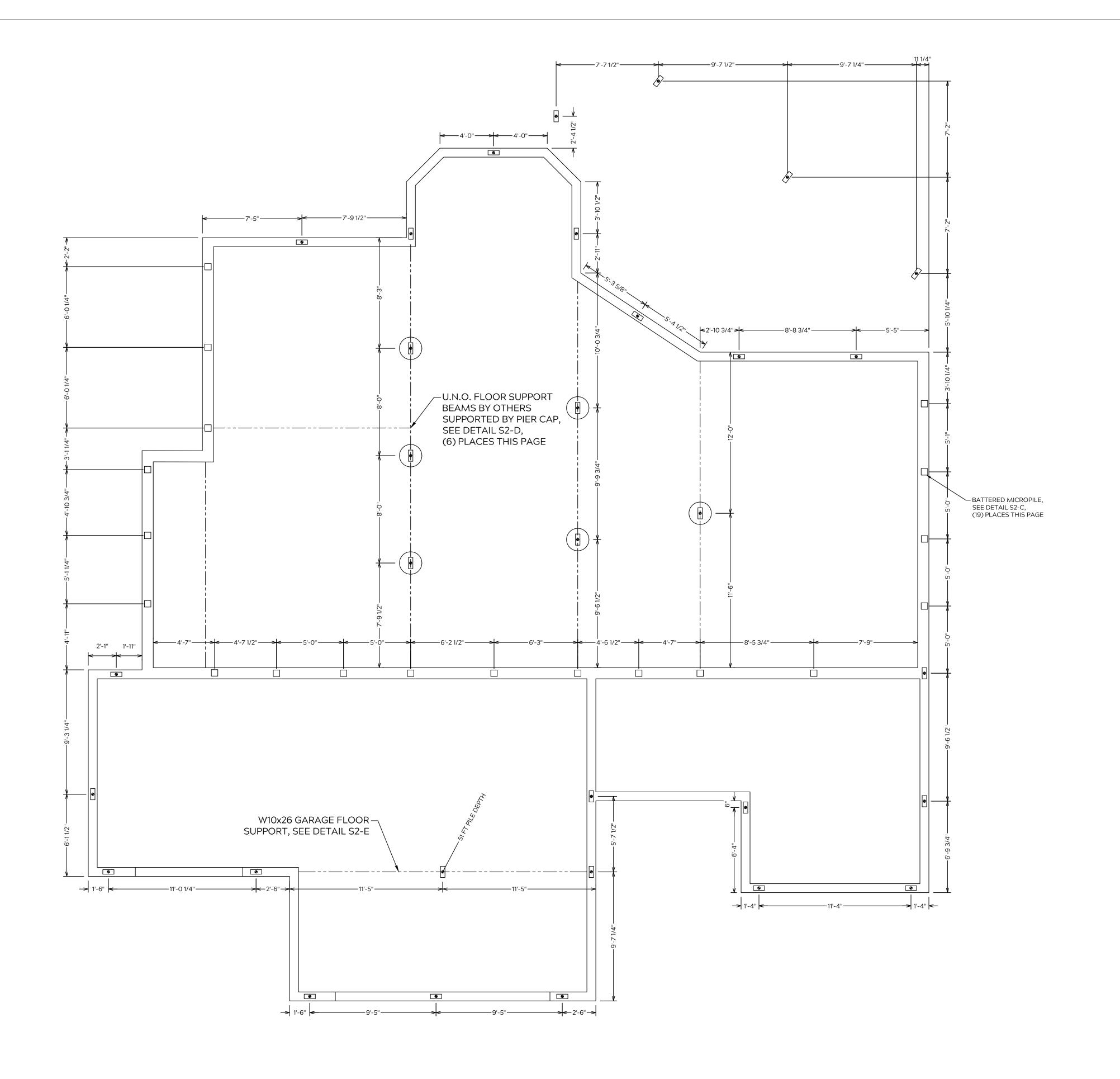
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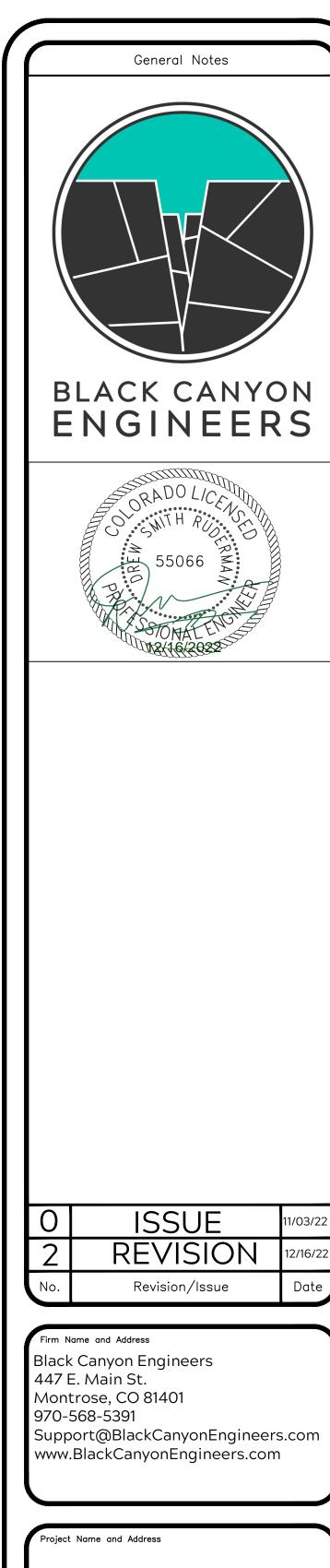
Kelly Residence 183 River Ridge Ct. Grand Junction, CO Single Family Residence

BCE102207 11/03/22 As Noted







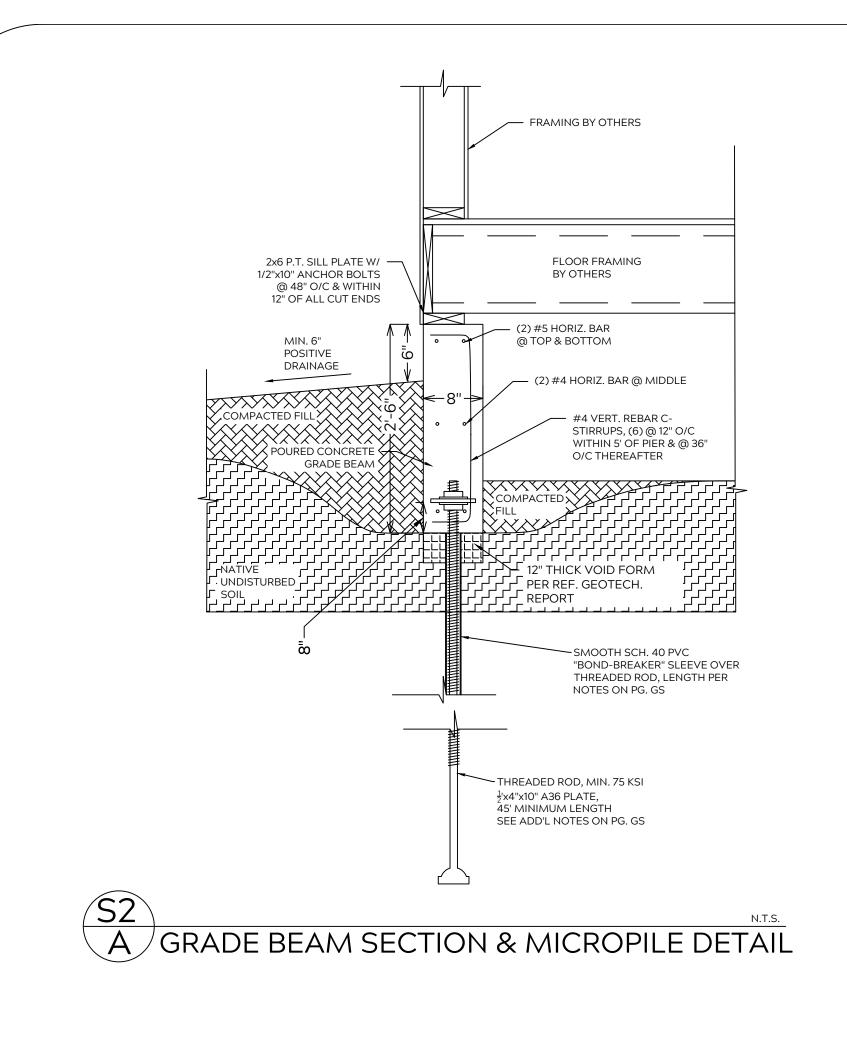


Kelly Residence 183 River Ridge Ct. Grand Junction, CO Single Family Residence

Project
BCE102207

Date
11/03/22

Scale
As Noted



SOLID BLOCK PER TJI FLOOR LAYOUT

(2) 1/2" Ø THROUGH

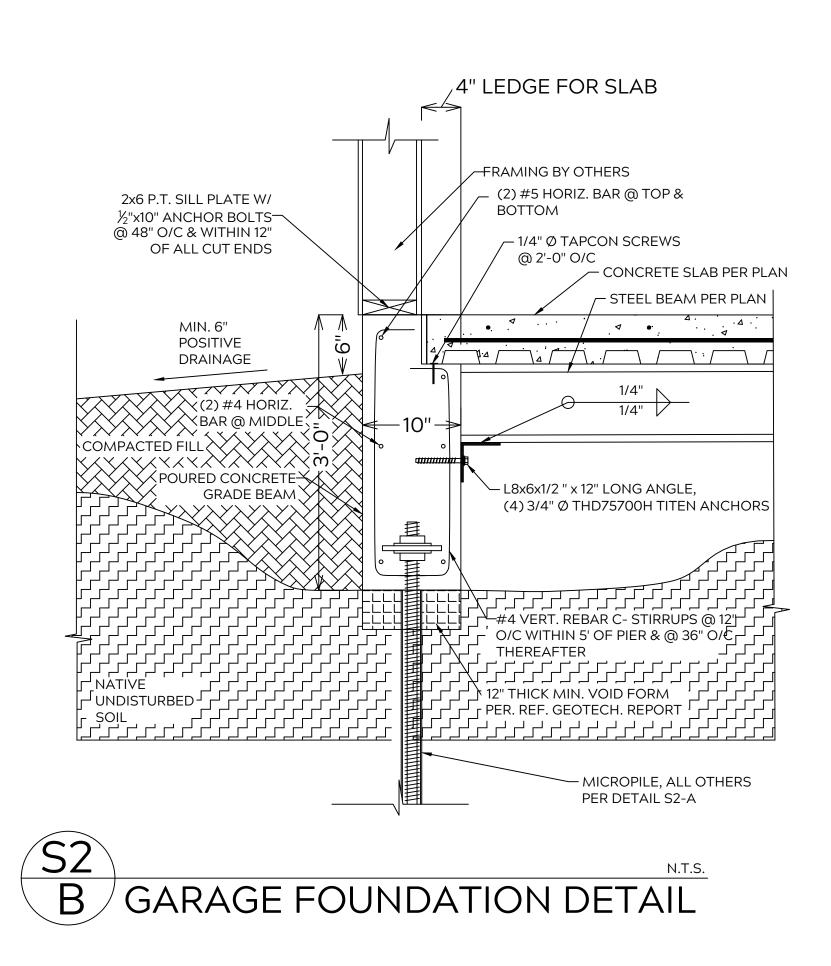
**BOLTS IN ONE ROW** 

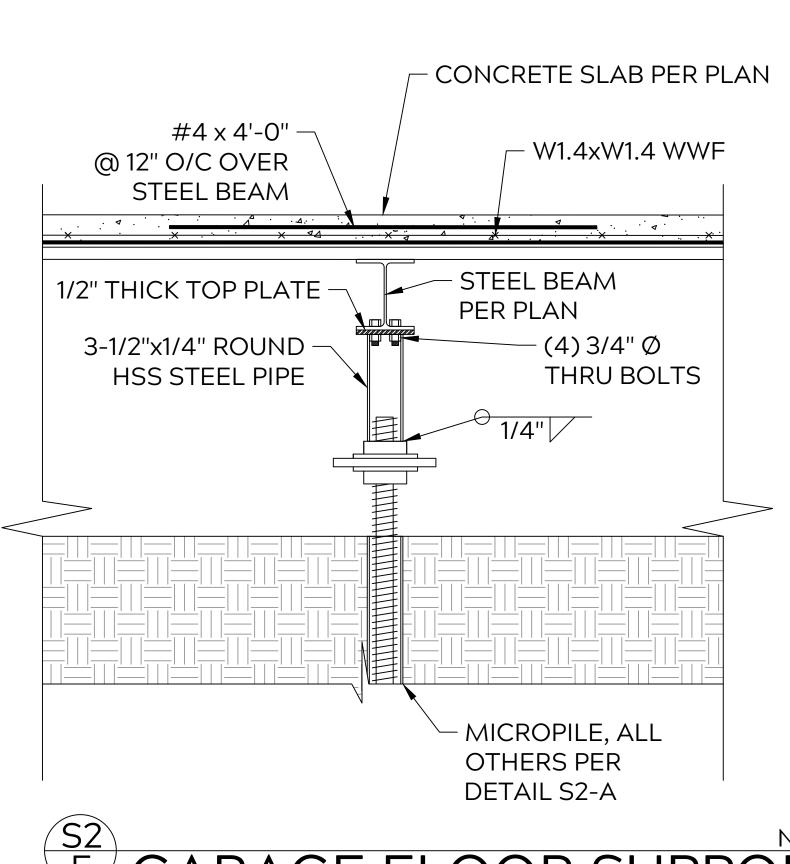
12" LONG BUCKET x 1/4" THICK PLATE

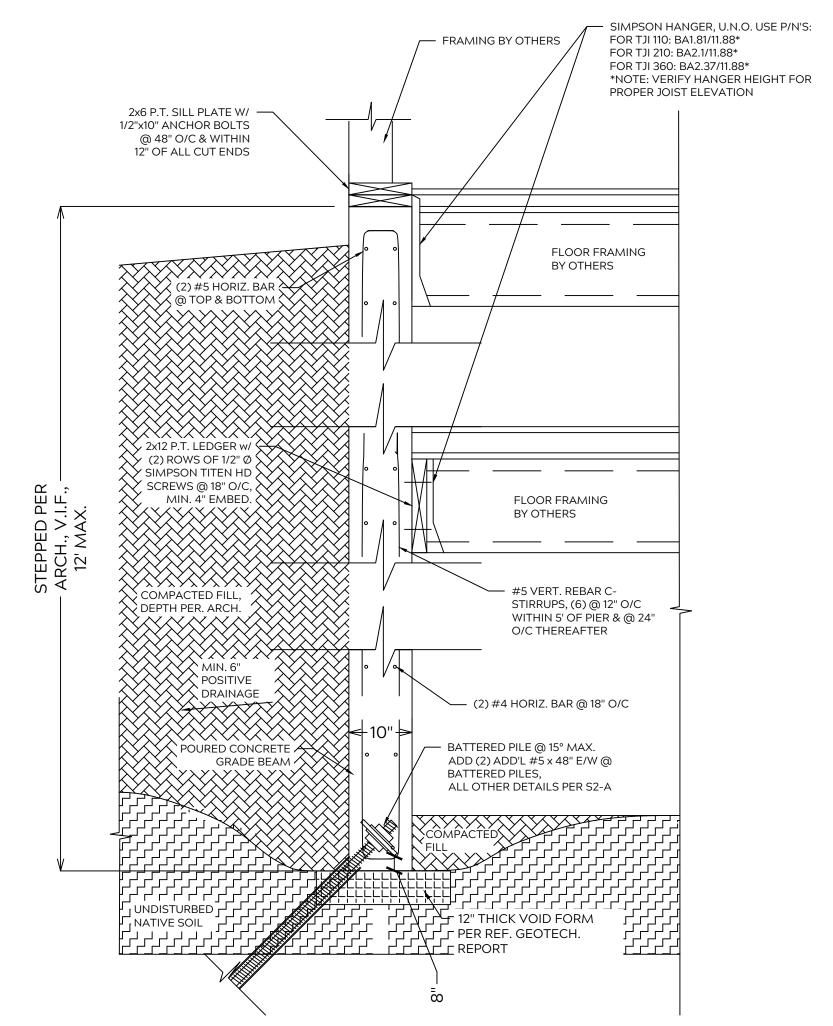
3-1/2"x1/4" ROUND

6"x6"x<sup>1</sup>/<sub>2</sub>" PLATE

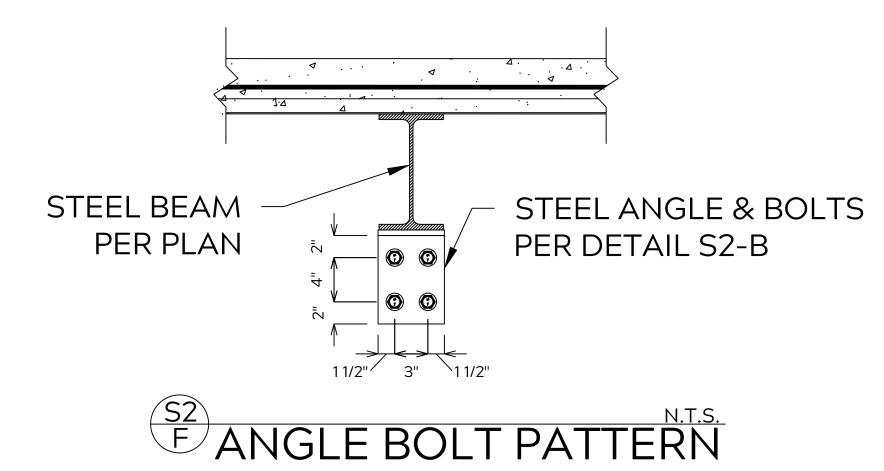
HSS STEEL PIPE

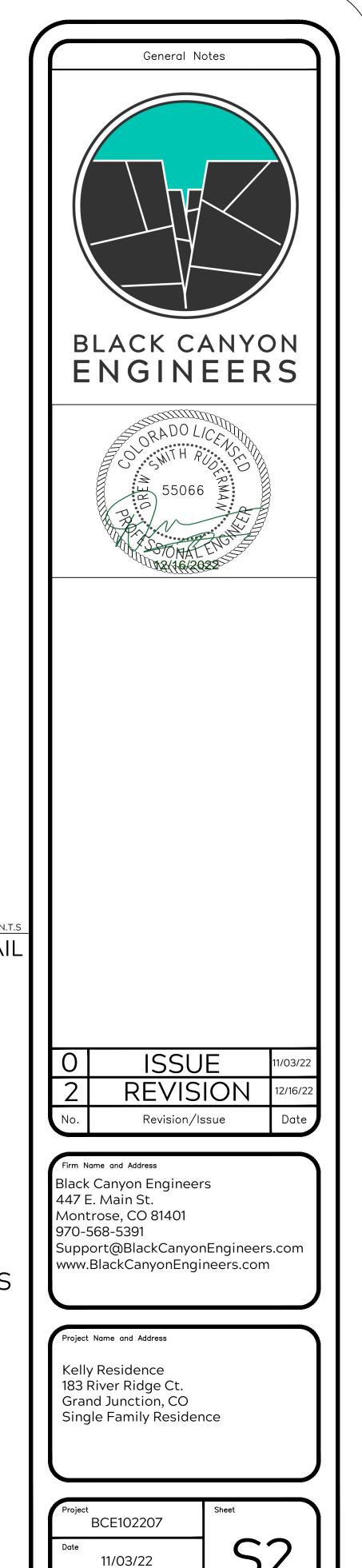




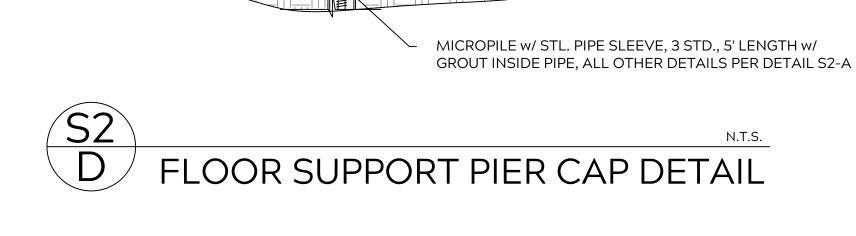








As Noted



FLOOR JOIST BY OTHERS

1/4"

FLOOR SUPPORT BEAM

AS SPECIFIED HEREIN,

NATIVE

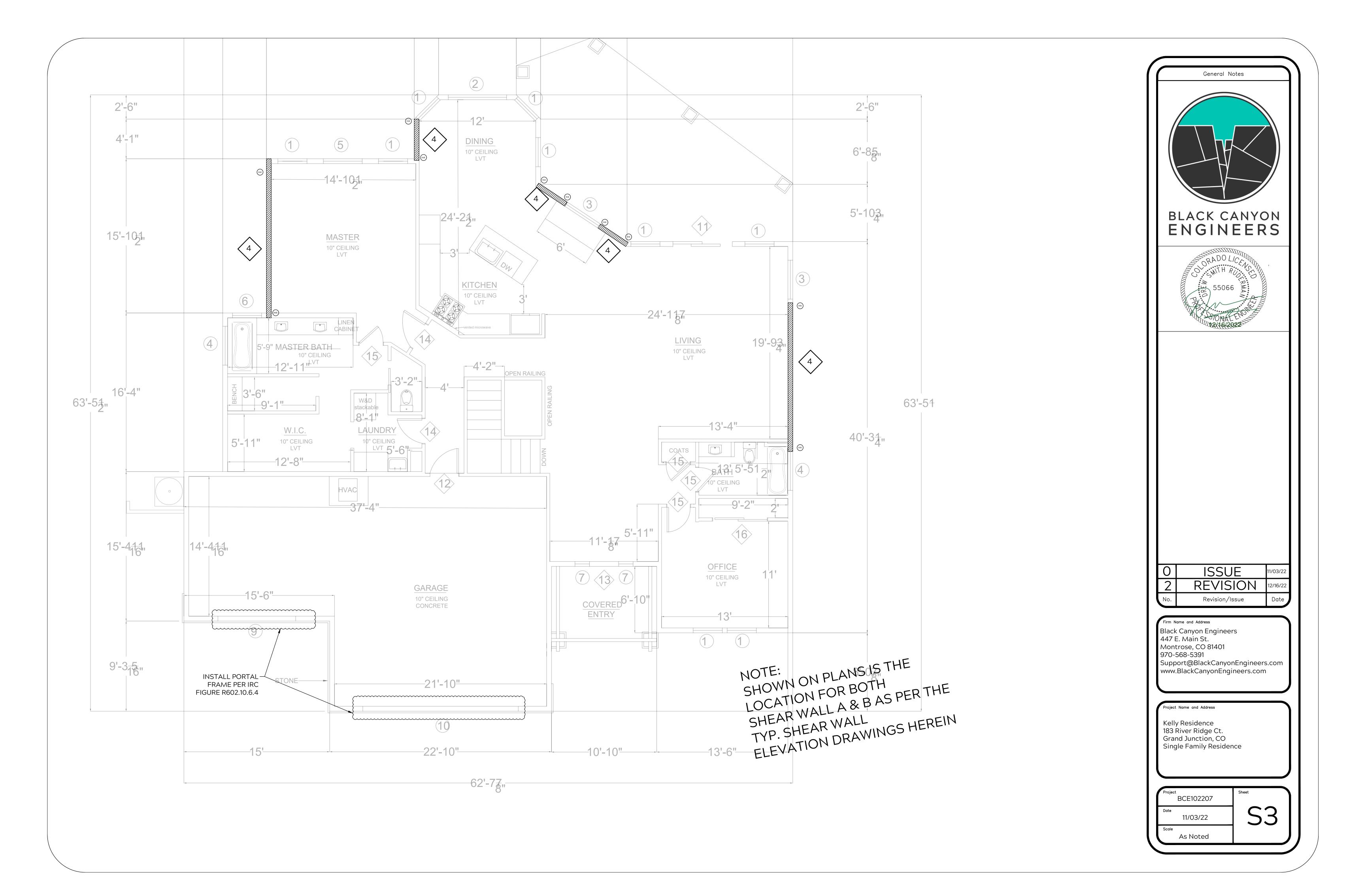
-UNDISTURBED

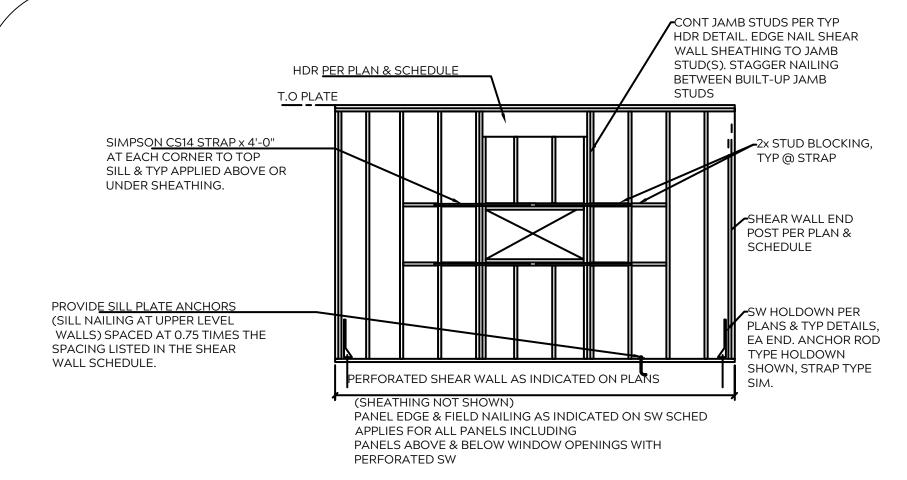
(OTHERWISE BY OTHERS),

MIN. 3" BEARING IN BEAM POCKET

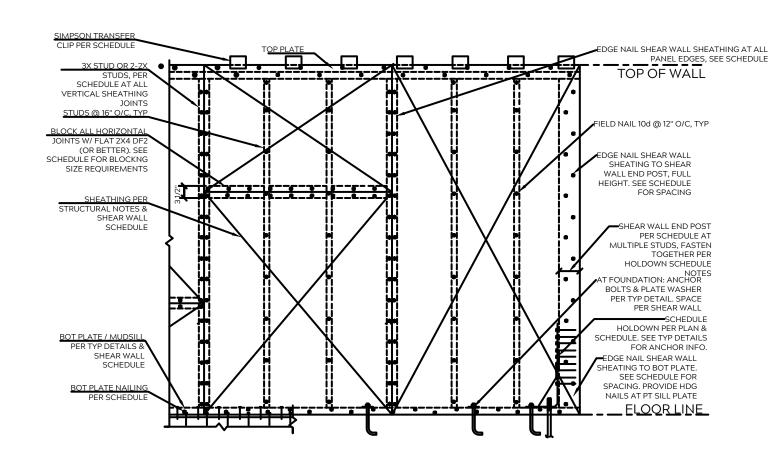


DETAILS

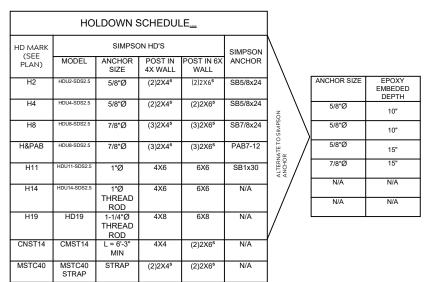




### TYP PERFORATED SHEAR WALL FRAMING



### TYP SHEAR WALL FRAMING



- DLDOWN SCHEDULE NOTES:

  TYPICAL POST SIZE SHOWN IN SCHEDULE, UNLESS NOTED OTHERWISE ON PLAN.

  REFER TO HOLDOWN DETAILS FOR ANCHOR PLACEMENT AND EMBEDMENT.

  WHEN USINGS STRUCTURAL COMPOSITE LUMBER POSTS, SCREWS MUST BE APPLIED TO WIDE FACE.

  SDS SCREWS INSTALL BEST WITH A LOW SPEED 1/2" RIGHT ANGLE DRILL WITH A 3 1/8" HEX HEAD DRIVER FASTEN MULTIPLE STUD POSTS TOSETHER WITH 3" LONG NAILS WITH NAILS OF THE SAME DIAMETER AND SPACING AS THE SOLE PLATE NAILING SHOWN IN THE SHEARWALL SCHEDULE. STAGGER ROWS OF NAILS NOTCHES ARE NOT ALL OWED IN SHEAR WALL END POSTS.

  CENTER STRAP HOLDOWNS ON RIM JOIST. NO FASTNERS ARE REQUIRED TO RIM JOIST.

  HOLDOWN ANCHORS SHALL BE SECURELY TIED TO FORMWORK AND CAST IN-PLACE:

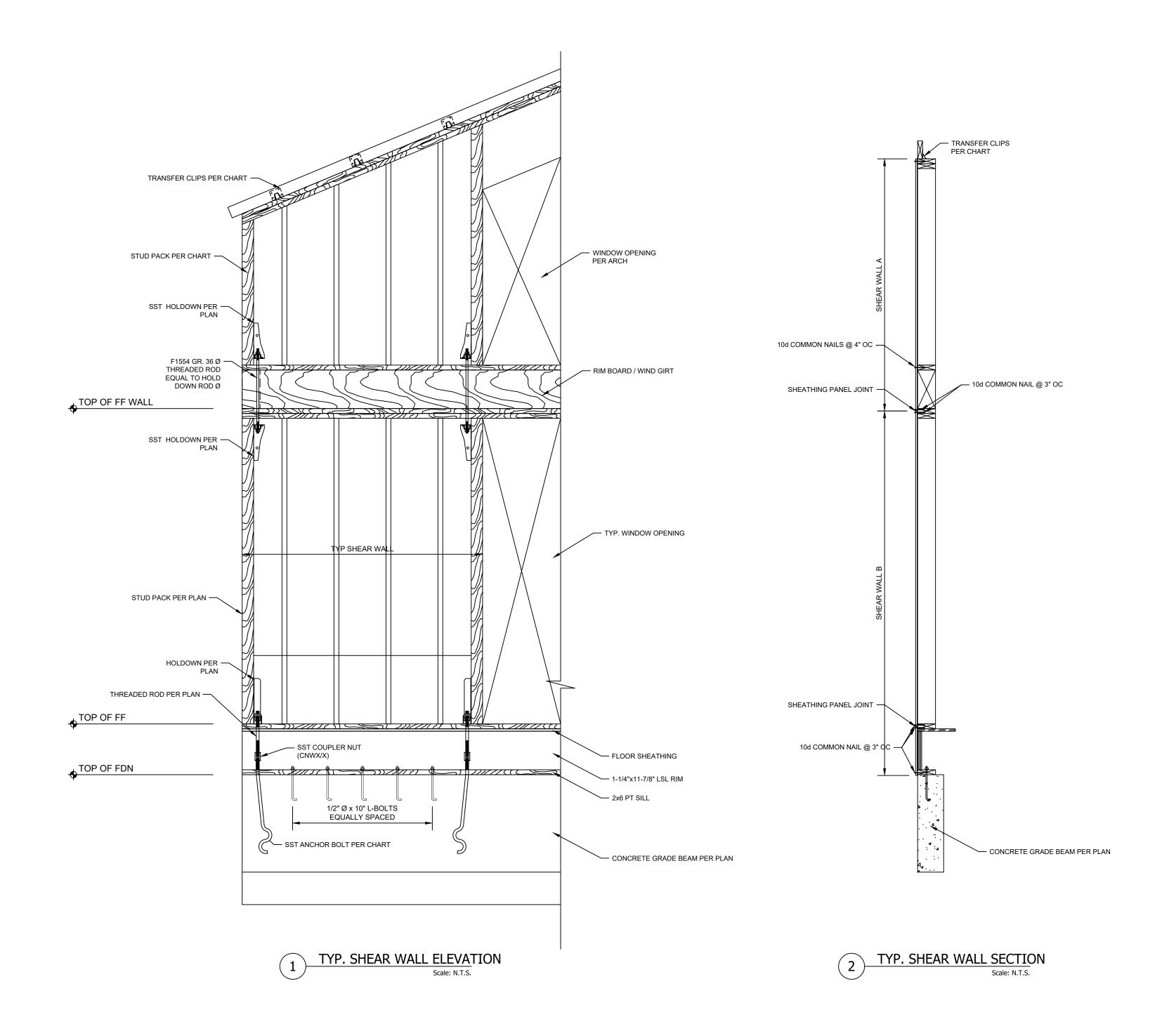
  BEONG MANCHOR ALTERNATIVE: SIMPSON SET-XP EPOXY. DRILL & EPOXY PER SIMPSON RECOMMENDATIONS.

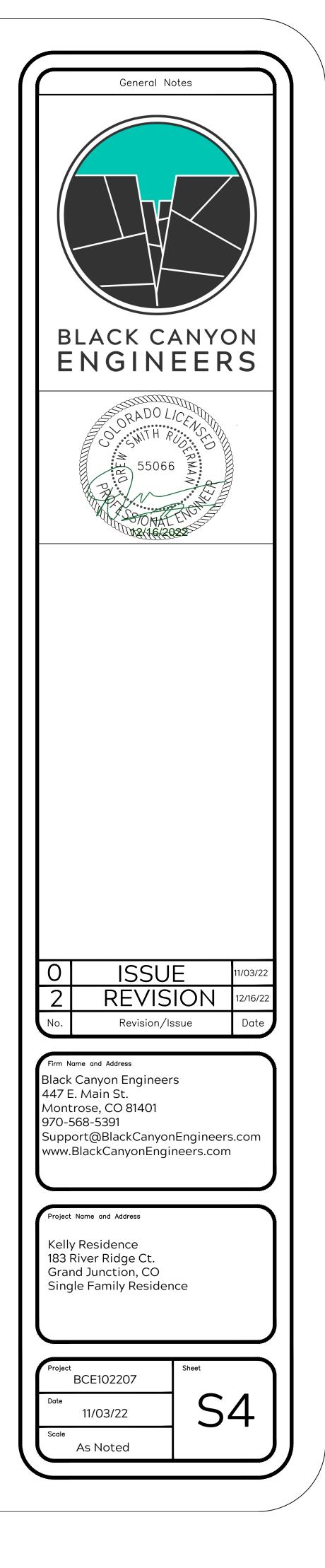
  USE A36 THREADED ROD ANCHORS.
- HOLDOWN SCHEDULE

SHEAR WALL SCHEDULE											
MARK	SHEATING	SIDES	NAILING		5/8" Ø SILL PIATE⁴	NAILING OF <sup>6</sup> 2X	SIMPSON TRANSFER CLIPS				
			PANEL EDGES	INTER SUPPORTS	ANCHOR .	SOLE PLATES	LTP4	ALT, USE A35			
6	15/32"	ONE	10d@6"	10d@12"	@48"O.C	16d@8"O.C	@30"O.C	@30"O.C			
4	15/32"	ONE	10d@4"	10d@12"	@32"O.C	16d@6"O.C	@16"O.C	@16"O.C			
3	15/32"	ONE	10d@3"	10d@12"	@24"O.C	16d@4"O.C	@12"O.C	@12"O.C			
2	15/32"	ONE	10d@2"	10d@12"	@19.2"O.C	16d@3"O.C	@10"O.C	@10"O.C			
42	15/32"	BOTH SIDES	10d@4"	10d@12"	@16"O.C	(2) ROWS OF 16d@4" O.C	@8"O.C	@8"O.C			
32	15/32"	BOTH SIDES	10d@3"	10d@12"	@12"O.C	(2) ROWS OF 16d@3" O.C	@6"O.C	@6"O.C			
22	15/32"	BOTH SIDES	10d@2"	10d@12"	@10"O.C	(2) ROWS OF 16d@2" O.C	@5"O.C	@5"O.C			

## SHEAR WALL SCH. NOTES:

- 1. APA RATED, STRUCTURAL SHEATHING,15/32 MIN. EXPOSURE 1.
- 2. ALL NAILS SHALL BE COMMON WIRE NAILS WITH 11/4" MIN PENETRATION INTO FRAMING.
- 3. PROVIDE 3X STUDS OR 3X BLKG. AT ADJOINING PANEL EDGES
- WHERE NAILS ARE SPACED 4" OR LESS





SHEAR WALL DETAILS