

**GOVERNING CODE:** 2018 INTERNATIONAL BUILDING CODE (IBC) AND ALL LOCAL AMENDMENTS

**DESIGN LOADS:**

- |   |         |
|---|---------|
| 1. RISK CATEGORY:                         | II      |
| 2. SNOW LOADS:                            |         |
| A. ROOF LIVE LOAD:                        | 20 PSF  |
| B. GROUND SNOW LOAD ( $P_g$ ):            | 117 PSF |
| C. FLAT ROOF SNOW LOAD ( $P_f$ ):         | 90 PSF  |
| D. SNOW EXPOSURE FACTOR ( $C_e$ ):        | 0.9     |
| E. SNOW LOAD IMPORTANCE FACTOR ( $I_s$ ): | 1.0     |
| F. THERMAL FACTOR ( $C_t$ ):              | 1.2     |
| G. SLOPE FACTOR ( $C_s$ ):                | 1.0     |
| 3. DECK LIVE LOADS:                       |         |
| A. EXTERIOR DECKS:                        | 100 PSF |
| 4. DEAD LOADS:                            |         |
| A. DECK:                                  | 15 PSF  |

**FOUNDATION DESIGN:**

1. FOUNDATION DESIGN IS IN ACCORDANCE WITH RECOMMENDATIONS CONTAINED IN THE ADDITIONAL FOUNDATION RECOMMENDATIONS LETTER JOB NUMBER 21-12412, PREPARED BY NWCC, INC., DATED AUGUST 23, 2022.
2. ALL FOUNDATIONS
3. SO CONDITIONS SHALL BE VERIFIED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF FORMWORK OR CONCRETE. IF DIFFERENT SOIL CONDITIONS EXIST THE STRUCTURAL ENGINEER SHALL BE NOTIFIED TO RE-EVALUATE THE FOUNDATION DESIGN AT ADDITIONAL EXPENSE TO THE OWNER.
4. FOOTINGS:
- A. FOOTINGS, SELECTED BY THE OWNER, SHALL BEAR ON NATURAL CLAYS, SANDS, GRAVELS, OR BEDROCK, OR ON STRUCTURAL FILLY PROPERLY PLACED AND COMPACTED PER THE GEOTECHNICAL REPORT.
- B. EXTERIOR FOOTINGS SHALL BEAR BELOW FROST DEPTH; MINIMUM FROST DEPTH SHALL BE 4'-0" BELOW ADJACENT EXTERIOR FINISHED GRADE.
5. DESIGN OF FOOT FOUNDATION IS BASED ON:
- A. MAXIMUM ALLOWABLE BEARING PRESSURE: 1,000 PSF
- B. MODULUS OF SUBGRADE REACTION (K): 90 PS/INCH
- 3

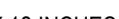
**REINFORCED CONCRETE:**

- CONCRETE DESIGN IS BASED ON THE AMERICAN CONCRETE INSTITUTE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318) AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR STRUCTURAL CONCRETE" (ACI 301).
2. STRUCTURAL CONCRETE SHALL HAVE THE FOLLOWING PROPERTIES (NORMAL WEIGHT CONCRETE UNLESS NOTED OTHERWISE):
- A. CEMENT TYPE: III
  - B. MAXIMUM AGGREGATE SIZE: 3/4"
  - C. MINIMUM 28 DAY COMPRESSIVE STRENGTH ( $f'_c$ ) AS FOLLOWS:
    - a. FOOTINGS: 3,500 PSI; MAX W/C: 0.52; ENTRAIRED AIR 1.5% (+/- 1%); SLUMP 5" (+/- 1")
3. REINFORCING STEEL SHALL BE FABRICATED AND PLACED IN ACCORDANCE WITH ACI 315 "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT":
- A. WHEN COLD WEATHER CONDITIONS EXIST, PLACE AND CURE CONCRETE IN ACCORDANCE WITH ACI 306.
  - B. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
  - C. DEFORSED BARS SHALL BE DOMESTIC MILD STEEL CONFORMING TO ASTM A615, GRADE 60 INCLUDING STRUTS AND TIES, EXCEPT THAT REINFORCING WHICH IS REQUIRED TO BE WELDED SHALL CONFORM TO ASTM A706.
  - D. EPOXY COATED REINFORCING BARS SHALL CONFORM TO ASTM A775.
  - E. ZINC COATED (GALVANIZED) REINFORCING BARS SHALL CONFORM TO ASTM A767.
  - F. UNLESS OTHERWISE NOTED ON THE STRUCTURAL DRAWINGS, LAP BARS 50 DIAMETERS (50" BAR DIAMETER MINIMUM).
  - G. REINFORCING AT ALL ABUTTING CONCRETE (INCLUDING FOOTINGS) SHALL BE CONTINUOUS THROUGH OR AROUND ALL CORNERS AND INTERSECTIONS, OR USE MATCHING CORNER BARS OF EQUAL SIZE AND SPACING TO REINFORCING IN THE ABUTTING MEMBERS.
11. INSTALL (2) #5 BARS (MINIMUM) AROUND ALL SIDES OF ALL OPENINGS IN CONCRETE AND EXTEND 2'-8" PAST EDGES OF OPENINGS, UNLESS OTHERWISE NOTED.
12. IN CONTINUOUS MEMBERS, SPLICE TOP BARS AT MID-SPAN BETWEEN SUPPORTS AND SPLICE BOTTOM BARS OVER SUPPORTS.
13. FORM INTERMITTENT SHEAR KEYS AT ALL CONSTRUCTION JOINTS AND AS SHOWN ON THE STRUCTURAL DRAWINGS.
14. UNLESS OTHERWISE NOTED ON THE DRAWINGS, MINIMUM CONCRETE COVER OVER REINFORCING SHALL BE AS FOLLOWS:
- A. UNFORMED SURFACE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"
  - B. FORMED SURFACE EXPOSED TO EARTH OR WEATHER:
    - a. #6 THROUGH #10 BARS 1 1/2"
    - b. #5 BAR, W31 OR D21 WIRE, AND SMALLER 1 1/2"
15. INSTALL CHAIRS, BOLSTERS, ADDITIONAL REINFORCEMENT, AND ACCESSORIES NECESSARY TO SUPPORT REINFORCEMENT AT POSITION SHOWN ON DRAWINGS. SUPPORT OF REINFORCEMENT ON WOOD, BRICK, OR OTHER UNACCEPTABLE MATERIALS SHALL NOT BE PERMITTED.
16. KEEP REINFORCEMENT CLEAN AND FREE OF DIRT AND OIL. OIL FORMS PRIOR TO PLACING REINFORCEMENT.
17. FIBER ADMIXTURE SHALL BE 100% VIRGIN POLYPROPYLENE, FIBRILLATED FIBERS, TYPE III, 4.1.3, PERFORMANCE LEVEL ONE, PER ASTM C1116.
18. PROPERLY PLACE, ACCURATELY POSITION AND MAINTAIN SECURELY IN PLACE ALL EMBEDDED ITEMS PRIOR TO AND DURING CONCRETE PLACEMENT.
19. ANCHOR BOLTS AND RODS FOR BEAM AND COLUMN BEARING PLATES SHALL BE PLACED WITH SETTING TEMPLATES.
20. BEAM EDGES AND TOPS OF ALL ARCHITECTURAL DRAWINGS, PROVIDE 3/4" CHAIRS AT ALL COLUMN, WALL, SLAB OR BEAM EDGES THAT ARE EXPOSED TO VIEW IN THE FINISHED STRUCTURE.
- STRUCTURAL WOOD & TIMBER:**
1. DESIGN IS BASED ON AWC NDS "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION WITH SUPPLEMENT: DESIGN VALUES AND DESIGN AND AWC SOPS" SPECIAL DESIGN PROVISIONS FOR WIND AND SEISMIC."
2. ALL TIMBER SHALL BE 19% OR LESS MAXIMUM MOISTURE CONTENT, UNLESS NOTED OTHERWISE.
3. ALL WOOD TO BE PRESSURE-TREATED DOUGLAS FIR-LARCH OR SOUTHERN YELLOW PINE.
4. FASTENERS FOR USE WITH TREATED WOOD SHALL COMPLY WITH IBC SECTION 2304.10.5.
5. WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE-TREATED DOUGLAS FIR-LARCH OR SOUTHERN YELLOW PINE.
6. PRESERVATIVE TREATED WOOD SHALL BE TREATED IN ACCORDANCE WITH ANPAA U1 AND ANPAA M1.
7. METAL BRACKETS AND SHOWN OR REQUIRED, SHALL BE SIMPSON STRONG-TIE OR EQUAL CODE APPROVED CONNECTORS AND INSTALLED PER THE HANGER SCHEDULE. NOTE THAT HEAVY-DUTY HANGERS AND SKEWED HANGERS MAY NOT BE STOCKED LOCALLY AND REQUIRE SPECIAL ORDER FROM THE FACTORY.
8. LEAD BOLTS FOR LAG SCREWS SHALL BE 40%-70% OF THE SHANK DIAMETER AT THE THREADED SECTION AND EQUAL TO THE SHANK DIAMETER AT THE UNTHREADED SECTION PER NDS SECTION 12.14.1.8.
9. CONNECTOR OR LAG SCREWS SHALL CONFORM TO ANSIRMS B162.1 AND ASTM SPEC. #429 GRADE 1.
10. NAILS AND SPIKES SHALL CONFORM TO ASTM F1667.
11. WOOD SCREWS SHALL CONFORM TO ANSIRMS B166.1.

### STRUCTURAL WOOD & TIMBER:

1. DESIGN IS BASED ON AWC NDS "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION WITH SUPPLEMENT: DESIGN VALUES FOR WOOD CONSTRUCTION" AND AWC SDPS "SPECIAL DESIGN PROVISIONS FOR WIND AND SEISMIC."
2. LUMBER SHALL BE THE MAXIMUM AVAILABLE GRADE AND SPECIES, UNLESS OTHERWISE SPECIFIED.
3. ALL WOOD TO BE PRESSURE-TREATED DOUGLAS FIR-LARCH OR SOUTHERN YELLOW PINE.
4. FASTENERS FOR USE WITH TREATED WOOD SHALL COMPLY WITH IBC SECTION 2304.10.5.
5. WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE-TREATED DOUGLAS FIR-LARCH OR SOUTHERN YELLOW PINE.
6. PRESERVATIVE TREATED WOOD SHALL BE TREATED IN ACCORDANCE WITH ANPWA U1 AND ANPWA M1.
7. METAL FRAMING SHALL BE WELDED, SURE-GRIP, OR SIMPSON STRONG-TIE EQUAL CODE APPROVED CONNECTORS AND INSTALLED PER THE HANGER SCHEDULE. NOTE THAT HEAVY-DUTY HANGERS AND SKEWED HANGERS MAY NOT BE STOCKED LOCALLY AND REQUIRE SPECIAL ORDER FROM THE FACTORY.
8. LEAD HOLES FOR LAG SCREWS SHALL BE 40%-70% OF THE SHANK DIAMETER AT THE THREADED SECTION AND EQUAL TO THE SHANK DIAMETER AT THE UNTHREADED SECTION PER NDS SECTION 12.14.4**38**.
9. CONNECTOR SHALL CONFORM TO ANSII/AIA 308.1 AND ANSII/AIA 318.2.1 AND ASTM SPEC J429 GRADE 1.
10. NAILS AND SPIKES SHALL CONFORM TO ASTM F1667.
11. WOOD SCREWS SHALL CONFORM TO ANSII/AIA 318.6.1.

**WOOD FRAMING NOTES:**

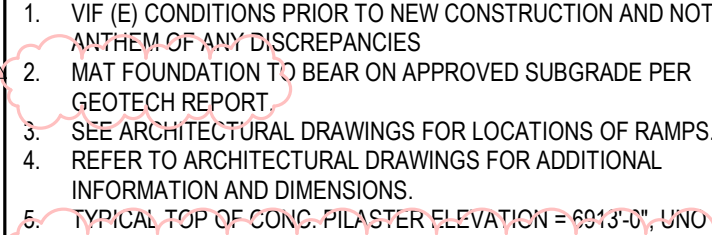
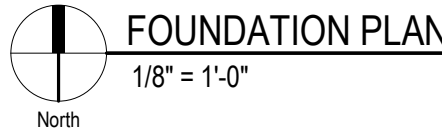
1. INSTALL SOLID BLOCKING BETWEEN JOISTS UNDER JAMB STUDS OF OPENINGS. 
2. COLUMNS MUST HAVE A CONTINUOUS LOAD PATH TO FOUNDATION.
3. UNLESS NOTED OTHERWISE, INSTALL TWO LENGTHS OF SOLID BLOCKING X JOIST DEPTH X 12 INCHES LONG ON FLOOR FRAMING UNDER ALL LOADS.
4. BUILT-UP STUD COLUMNS SHALL CONSIST OF 2X4, 2X6, OR 2X8 STUDS WITH NUMBER OF LAMINATIONS NOTED ON PLAN AND EACH LAMINATION SHALL BE NAILED TOGETHER WITH (2) ROWS OF 12D GUN NAILS @ 0.131"Ø X 3 1/4" @ 6" FULL HEIGHT OF COLUMN. DO NOT SPICE LAMINATIONS.
5. ALL BEAMS AND TRUSSES SHALL BE BRACED AGAINST ROTATION AT POINTS OF BEARING.
6. UNLESS NOTED OTHERWISE, LOWER COURSE OF GABLE END TRUSSES SHALL BE ANCHORED TO WALL PLATE WITH FRAMING ANCHORS. SPACING OF ANCHORS SHALL BE EQUAL TO ROOF FRAMING AT 8' O.C SPACING.
7. PROVIDE CONTINUOUS WALL STUDS EACH SIDE OF OPENINGS EQUAL TO ONE-HALF OR GREATER THE NUMBER OF STUDS INTERRUPTED BY OPENING UNLESS NOTED OTHERWISE.
8. ALL WALL STUDS SHALL BE CONTINUOUS FROM FLOOR TO FLOOR OR FROM FLOOR TO ROOF.
9. PROVIDE SOLID BLOCKING OR RIM JOISTS AT ALL JOIST SUPPORTS AND JOIST ENDS.
10. SOLE PLATE AT ALL PERIMETER WALLS AND AT DESIGNATED SHEAR WALLS SHALL BE NAILED WITH (4) 0.131"ØX3" NAILS AT 16" MINIMUM.
11. ALL ROOF RAFTERS, JOISTS, TRUSSES, BEAMS SHALL BE ANCHORED TO SUPPORTS WITH METAL FRAMING ANCHORS.

**WOOD SHEATHING:**

1. PLYWOOD AND ORIENTED STRAND BOARD (OSB) FLOOR, ROOF, AND WALL SHEATHING SHALL BE APA RATED WITH STAMP INCLUDING APA TRADEMARK AND PANEL SPAN RATING.
  - A. MINIMUM FLOOR SHEATHING: SEE PLAN NOTES
  - B. MINIMUM FLOOR SHEATHING: SEE PLAN NOTES
  - C. MINIMUM WALL SHEATHING: SEE PLAN NOTES
2. SHEATH ALL EXTERIOR WALLS. SHEATH INTERIOR WALLS AS SHOWN ON THE DRAWINGS.
3. SHEATHING SHALL BE CONTINUOUS FROM BOTTOM PLATE TO TOP PLATE. CUT IN "L" AND "T" SHAPES AROUND OPENINGS. LAP SHEATHING OVER RIM JOISTS A MINIMUM 4" AT ALL FLOORS TO THE UPPER AND LOWER STUD WALLS TOGETHER.
4. MINIMUM HEIGHT OF SHEATHING PANELS SHALL BE 16" TO ENSURE THAT PLATES ARE TIED TO STUDS.
5. MACHINE APPLIED NAILING (E. GUN NAILING): THE USE OF MACHINE APPLIED NAILING IS SUBJECT TO SATISFACTORY JOBSITE DEMONSTRATION AND THE APPROVAL BY THE PROJECT STRUCTURAL ENGINEER. THE APPROVAL IS SUBJECT TO COMPLYING WITH THE PERFORMANCE. IF NAIL HEADS PENETRATE THE OUTER PLATE MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.

### STRUCTURAL GLUED LAMINATED TIMBER:

1. MATERIALS, MANUFACTURE, AND QUALITY CONTROL SHALL BE IN CONFORMANCE WITH ANSI/APA 190, "STRUCTURAL GLUED LAMINATED TIMBER" AND AITC 117 "STANDARD SPECIFICATIONS FOR STRUCTURAL GLUED LAMINATED TIMBER OF SOUTHWEST SPECIES, DESIGN AND MANUFACTURING REQUIREMENTS".
2. ALL SPAN BEAMS SHALL BE ALASKAN YELLOW CEDAR COMBINATION SYMBOL 20F-V12 AC/AC OR 20F-V13 AC/AC WITH NO CAMBER.
3. CONTINUOUS AND CANTILEVERED MEMBERS SHALL BE ALASKAN YELLOW CEDAR COMBINATION SYMBOL 20F-V13 AC/AC WITH NO CAMBER.
4. ALL GLUED LAMINATED TIMBER SHALL HAVE LESS THAN 16% MOISTURE CONTENT, UNLESS NOTED OTHERWISE.
5. ADHESIVE SHALL MEET THE REQUIREMENTS FOR WET CONDITIONS OF SERVICE.
6. SEAL CUT EDGES AND ENDS EXPOSED TO WEATHERING.



**MAIN LEVEL PLAN NOTES:**

1. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND DIMENSIONS.
2. VIF (E) CONDITIONS PRIOR TO NEW CONSTRUCTION AND NOTIFY ANTHEM OF ANY DISCREPANCIES
3. TOP OF SUB-FLOOR SHEATHING = SEE PLAN
4. WALL FRAMING AND COLUMNS SHOWN SUPPORT THE FRAMING ON THIS LEVEL
5. **TYPICAL DECK CONSTRUCTION (UNO)** 2x EXTERIOR DECKING OVER WOOD JOISTS PER PLAN. LAY DECKING PERPENDICULAR TO FRAMING AND FASTEN DECKING TO JOIST W/ 2" #8x3" EXTERIOR DECK SCREWS PER BOARD. FLASH TOP OF MULTI-PLY JOISTS / BEAMS WITH A WATERPROOF BUTYL RUBBER TAPE. OVERLAP WOOD EDGES 1/2" MINIMUM.

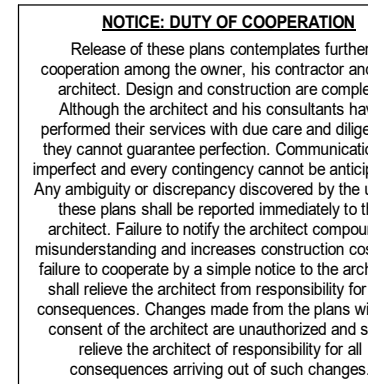
## HANGER SCHEDULE

1. ALL HANGERS NOTED TO BE INSTALLED WITH NUMBER FASTENERS SPECIFIED BY MNFR. ANY SUBSTITUTIONS S REVIEWED AND APPROVED BY ANTHEM
2. INSTALL HANGERS NOTED OR APPROVED EQUIVALENT
3. ALL HANGERS TO BE HDG OR STAINLESS STEEL

X	DESCRIPTION
1	HU5 125/12 W/ MAX NAILING PER SIMPSON
2	HUC5 125/12 W/ MAX NAILING PER SIMPSON
3	1JUS210-2 (SKEWED WHERE SHOWN ON PLAN
4	HU212 SKEWED HANGER
5	HU212
7	LS9 NEAR SIDE W/ (10) 0.148"x1 1/2" NAILS
8	INVERTED HU5 125/12 W/ MAX NAILING PER SIMPSON
9	LGU5 25-SDS H=12"

## KEYNOTE SCHEDULE

X	RE-ENTRY SCHEDULE	
	DESCRIPTION	
1	ABU66Z POST/BEAM BASE	
	ENSURE 2" (MIN) GAP BETWEEN DECK AND SHED/OPERATOR CABIN	
	DECKING IN SHADED AREA TO BE 3/4" EXTERIOR RATED OSPL/PLYWOOD w/ SNOW CAP-ET (SEE ARCH) ON 1" OP	
4	16"x16" PEDESTAL WITH (4) #6 VERT AND #4 TIES @ 12" OC (3 TIES @ 3" TOP)	
5	16"x16" PEDESTAL WITH (4) #6 VERT AND #4 TIES @ 12" OC (3 TIES @ 3" TOP)	
6	16"x24" PEDESTAL WITH (6) #6 VERT AND #4 TIES @ 12" OC (3 TIES @ 3" TOP)	
8	LP02Z POST CAP, EA SIDE, TYP. UNO	
9	12" THICK MAT FOUNDATION WITH #4 @ 9" O.C. T&B EA WAY OR #5 @ 12" O.C. T&B EA WAY	
10	(1) #5x5" @ 4" BAR TOP AND BOTTOM AT RE-ENTRANT CORNERS	
11	CONTRACTOR SHALL NOT UNDERMINE EXISTING STRUCTURE FOOTING, FLOW FILL, AND/OR PREPARED SUB GRADE. FIELD VERIFY	



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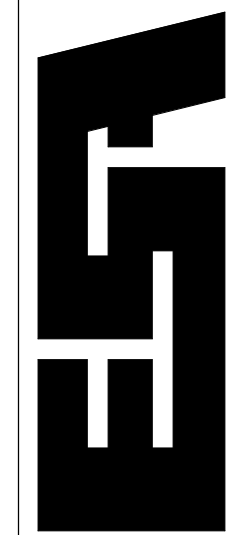
## REVISIONS

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**Reviewed for  
Code Compliance**

09/19/2022

SSRC CHRISTIE PEAK  
EXPRESS CHAIR LIFT  
LOWER TERMINAL & MID-STATION  
STEAMBOAT SPRINGS, CO



**ERIC SMITH ASSOCIATES, P.C.**  
1919 SEVENTH STREET  
BOULDER, COLORADO, 80302  
(303) 442-5458. (303) 442-4745 FAX

<b>Job Number:</b>	22-023
<b>Date:</b>	6/21/22
<b>Drawn By:</b>	LDF/DDM
<b>Checked By:</b>	DAJ

### Project Phase

Construction Documents

## Sheet Title

GENERAL NOTES, PLANS & DETAILS
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Sheet Number

\$1.01