INTERIOR FIXTURE SCHEDULE

MARK	ITEM	DESCRIPTION	COMMENTS
1	MICROWAVE	MIELE M7240TCAMCTS 24" WIDE BUILT-IN	CFCI
2	DISHWASHER	MIELE G7156SCVI 24" WIDE ENERGY STAR RATED	CFCI
3	INDUCTION STOVE TOP	MIELE KM 6370	CFCI
4	REFRIGERATOR	MIELE KF2902SF 36" WIDE ENERGY STAR RATED	CFCI
5	CLOTHES WASHER	MIELE WXF660WCS 24" WIDE ENERGY STAR RATED FRONT LOADING	CFCI
6	CLOTHES DRYER	MIELE TXI680WP 24" WIDE ENERGY STAR RATED FRONT LOADING	CFCI
7	DOUBLE BOWL SINK	KOHLER K-5540-NA 33" SS UNDERMOUNT	CFCI
8	KITCHEN FAUCET	DELTA 9159-DST PULL DOWN SINGLE HOLE	CFCI
9	GARBAGE DISPOSAL		CFCI
10	LAVATORY SINK	SIGNATURE HARDWARE 44796121" RECTANGULAT CHINA UNDERMOUNT	CFCI
11	LAVATORY FAUCET	BRIZO 65175LF-GL 1.5GPM SINGLE HOLE W/ BRIZO RP72414GL POP-UP DRAIN	CFCI
12	MIRROR		CFCI
13	NOT USED		CFCI
14	TOILET - PRIMARY	TOTO MW4424726CEFG#01 WITH S7 BIDET SEAT	CFCI
15	TOWEL BAR		CFCI
16	TOILET PAPER HOLDER		CFCI
17	BATH TUB	SIGNATURE HARDWARE 447042 W/ 478497 OVERFLOW	CFCI
18	ICEMAKER	SCOTSMAN SCCP30MA1SU	CFCI
19	SHOWER ENCLOSURE	CUSTOM GLASS FOR STEAM SHOWER. PROVIDE VENTING GLASS ABOVE DOOR	CFCI
20	VANITY LIGHT	SEE LIGHTING DRAWINGS BY OTHERS	CFCI
21	SINGLE BOWL SINK		CFCI
23	SHOWER FAUCET	BRIZO BSS-LITZE-T60235-02-GL SHOWER SYSTEM W/ INFINITY DRAIN S-LT-3838 SB	CFCI
24	SHOWER DOOR		CFCI
25	SHOWER PAN	SITE BUILT TILE	CFCI
26	SOAP DISH		CFCI
27	SHOWER ROD		CFCI
28	COAT HOOK		CFCI
29	BATH FAUCET	BRIZO T60235-GLLHP W/ HL6033-GL W/ RP81437-GL	CFCI
30	FURNITURE	SUPPLIED AND INSTALL BY OTHERS	OFOI
31	ELECTRICAL PANEL	RECESSED PANEL	CFCI
32	TV		OFOI
33	GAS FIREPLACE	RUSHMORE DVCT50CBP DIRECT VENT	CFCI
34	GAS GRILL	PROVIDE GAS ON TIMER	FUTURE
35	ELEC. UNIT HEATER		CFCI
36	CEILING HEATER		CFCI
37	GARAGE DOOR OPENER		CFCI
38	EV CHARGER	LEVEL 2 - SINGLE CAR	CFCI
39	WALL OVEN	MIELE H2880BPSS 30" WIDE BUILT-IN	CFCI
40	EXHAUST HOOD	MIELE DA428VD ISLAND HOOD - ENERGY EFFICIENT	CFCI
41	SPEED OVEN		CFCI
42	BATH TUB DOORS		CFCI
43	STEAM GENERATOR	BRIZO 8GE-TSG12-240-1 W/ 8CH-250-GL-L W/ 8GA-PAD-240	CFCI
44	TOWEL WARMER	TUZIO SORANO W4109	CFCI
45	ACCESS PANEL		CFCI
46	GAS FIREPLACE - SMALL	MAJESTIC QUARTZ 32IFTN DIRECT VENT	CFCI
47	FREESTANDING TUB	VICTORIA AND ALBERT CORM-N-SM-NO SOAKING TUB	CFCI
46	FLOOR MTD FILLER	BRIZO T70135-GLLHP W/ HL7033-GL	CFCI
47	TOILET	TOTO MS642124CEFG#01	CFCI

VERIFY ALL FIXTURES, APPLIANCES, ACCESSORIES WITH INTERIOR DESIGNER PRIOR TO ORDERING OR INSTALLING.
VERIFY ALL DIMESNIONS, CLEARANCES AND REQUIREMENTS WITH ACTUAL FIXTURE, APPLIANCE, ACESSORY CHOSEN.

MILLWORK SCHEDULE

MARK	ITEM	DESCRIPTION	COMMENTS
A	WALL CABINET		
B	BASE CABINET		
C	FILLER PANEL		
D	KITCHEN COUNTER		5/A562
E	CUBBIE		7/A562
F	FIXED IN PLACE BENCH		7/A562
G	(4) FIXED IN PLACE SHELVES		
H	VANITY		
I	KITCHEN ISLAND COUNTER		6/A562
J	LAVATORY COUNTER		
K	ROD AND SHELF		
L	18" DEEP FIXED SHELF		
M	(2) 12" DEEP SHELVES		
N	24" DEEP SHELF		

BASIS OF DESIGN:

01 CONCRETE -
- A. EXTERIOR SLABS - BROOM FINISH, STAIN AND STAMP PATTERN BY DESIGNER. INTRAGUARD PENETRATING, WATER REPELLENT, SILANE/SILOXANE SEALING COMPOUND BY WR MEADOWS OR EQUAL
- B. INTERIOR SLABS - BROOM FINISH. SEALTIGHT VOCOMP 25 SEALER BY WR MEADOWS OR EQUAL.

02 STONE VENEER
- A. EXTERIOR - 4" THICK STONE VENEER- STYLE, FINISH, & MANUFACTURER TO BE DETERMINED BASED ON INPUT FROM OWNER.
- B. INTERIOR - 2" THICK STONE VENEER - STYLE, FINISH & MANUFACTURER BASE ON INPUT FROM OWNER.

03 NOT USED

04 RAILINGS -
- A. EXTERIOR - CUSTOM STEEL RAILING WELDED WITH POWDER COATED FINISH. 2 X 2 STEEL POST EXTENDED TO MOUNT ON BEAM BELOW WITH 1 X 1 VERTICAL BALLASTERS AND CUSTOM WOOD CAP. 1 1/2" ROUND HANDRAIL WHERE SHOWN.
- B. INTERIOR - CUSTOM STEEL RAILING WITH POWDER COATED FINISH.

05 MILLWORK - ALL INTERIOR MILLWORK TO BE DESIGNED, SPECIFIED BY INTERIOR DESIGNER. REFER TO INTERIOR DESIGN DRAWINGS FOR SPECIFICATIONS, MATERIAL, QUANTITY, LOCATION ETC. PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO ORDERING MATERIALS OR STARTING MANUFACTURING.OBTAIN FIELD MEASUREMENTS AND VERIFY DIMENSIONS.

06 WOOD TRIM
- A. EXTERIOR - REFER TO FINISH SELECTION BY OTHERS. PROVIDE ALL MISC. MATERIALS TO ENSURE PROPER INSULATION. INCLUDE DOOR AND WINDOW TRIM, BIRD BLOCKING, FASCIAS AND MISC. TRIM.
- B. INTERIOR - REFER TO FINISH SELECTIONS BY OTHERS INCLUDING DOOR CASING, WINDOW CASING, SILL, MISC. TRIM AS REQUIRED. REFER TO AWI SECTION 300 FOR QUALITY STANDARDS.

07 DECKING - 2 X 6 AZEK AT EXTERIOR STAIR LANDINGS. INSTALL WITH CONCEALED HANGERS.

08 WATERPROOFING - AMERICAN HYDROTECH, INC. MONOLITHIC MEMBRANE 6125® FABRIC REINFORCED WATERPROOFING ASSEMBLY INCLUDING ALL REQUIRED COMPONENT THAT INCLUDE BUT ARE NOT LIMITED TO:
HYDROTECH MM6125®, 215 MILS, FABRIC REINFORCED
HYDROFLEX 30 PROTECTION SHEET
HYDRODRAIN DRAINAGE MAT
FLEX-FLASH UN AT VERTICAL WATERPROOFING TRANSITION.

09 FIBERGLASS BATT INSULATION - CERTAINTEED FIBER GLASS BUILDING INSULATION (3-1/2" = R-15 / 5-1/2"= R-21 / 12" = R-38).

10 MINERAL WOOL BATT INSULATION – ROCKWOOL AFB (ACOUSTICAL FIRE BATT INSULATION) WITH UL CLASSIFICATION BZJZ. R-4.1/IN. (5-1/2" = R-22.55).

11 RIGID INSULATION (FOUNDATION) - DOW CHEMICAL COMPANY STYROFOAM BLUE BOARD MEETING ESR-2142. (1" = R-5). COVER EXPOSED INSULATION WITH METAL FLASHING TO MATCH ADJACENT MATERIAL

12 SPRAY FOAM - HUNTSMAN BUILDING SOLUTIONS HEATLOK HFO HIGH LIFT CLOSED CELL SPRAY APPLIED POLYURETHANE FOAM INSULATION. NO SUBSTITUTIONS ALLOWED. 4" = R-30

13 SLOPED ROOFING INSULATION - 2014 POLYISO - MIN. 1" THICK

14 BARRIER BOARD - DENSDECK 1/2" THICK @ EPDM ROOFING.

15 EXTERIOR SNOWMELT INSULATION - 60 PSI 2" DOW RIGID STYROFOAM

16 VENTS - REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR SPECIFICATIONS. PROVIDE 1 1/2" DUCT WRAP WITH VAPOR JACKET - MIN. R-6, AT ALL CONCEALED DUCTWORK

17 PLUMBING - REFER TO PLUMBING DRAWINGS FOR SPECIFICATIONS. PROVIDE PREFORMED FOAM INSULATION WRAP AROUND ALL PLUMBING LINES - 1" THICK - THAT PENETRATE OR SET WITHIN 36" OF EXTERIOR WALLS AND ATTIC SPACES.

18 SILL SEALER - DOW WEATHERMATE OR APPROVED EQUAL. INSTALL AT TOP OF FOUNDATION WALLS FOR ENTIRE LENGTH.

19 FOAMED-IN-PLACE INSULATION - INSTALL AT ALL WINDOW, DOOR SHIM SPACES AND AT ANY OTHER VOIDS OR GAPS. AVOID OVER FILLING.

20 WEATHER BARRIER:
- A. WATER-RESISTIVE BARRIER - DUPONT TYVEK HOUSEWRAP WITH DUPONT TYVEK TAPE AND/OR DUPONT FLASHING TAPE PER MANUFACTURER'S SPECIFICATIONS AND WARRANTY.
- B. CRAWL SPACE - STEGO WRAP 15 MIL BY STEGO INDUSTRIES. SEAL ALL PENETRATIONS THROUGH STEGO WRAP.

21 ASPHALT SHINGLES – CERTAINTEED PRESIDENTIAL SOLARIS. VALLEYS TO BE CLOSED

22 ICE AND WATER SHIELD - CERTAINTEED WINTERGUARD

23 EPDM - SINGLE PLY, FULLY ADHERED, JOHNS MANVILLE NR 60 MIL

24 HORIZONTAL LAP SIDING – CEDAR TEXTURE ENGINEERED BOARD SIDING - COORDINATE FINAL FINISH SELECTION WITH OWNER & ARCHITECT.

25 VERTICAL PANEL SIDING - CEDAR TEXTURE ENGINEERED BOARD PANEL - COORDINATE FINAL FINISH SELECTION WITH OWNER & ARCHITECT.

26 FLASHING
- A. ROOF FLASHING, DRIP EDGE, FASCIA, CAP FLASHING, BASE FLASHING, ROOF TO WALL CONNECTIONS, OVER DOORS AND WINDOWS, WALL PENETRATIONS - PREFINISHED METAL PAC-CLAD BY PETERSEN ALUMINUM OR APPROVED EQUAL.
- B. EXPOSED FLASHING AND TRIM - PAC-CLAD PETERSEN ALUMINUM 22 GAUGE GALVANIZED STEEL WITH PAC-CLAD KYNAR 500 TOP FINISH AND POLYESTER WASH COAT BOTTOM FINNISH
- C. SELF ADHERED FLASHING - FORTIFIBER BUILDING PRODUCTS OR PROTECTO WRAP COMPANY OR APPROVED EQUAL. 20 MIL. FLEXIBLE FLASHING
- D. DOOR AND WINDOW SILL JAMB AND HEAD FLASHING - DuPont™ StraightFlash™ Flashing

27 GUTTERS AND DOWNSPOUTS - 6" ONE-HALF ROUND PROFILE GUTTER WITH CAST BRASS BRACKETS AND DOWNSPOUTS. PREFINISHED 24 GAUGE WITH KYNAR 500 FINISH.

28 SNOW FENCE - DESIGN BY OTHERS. ROCKY MOUNTAIN SNOW GUARDS INC. DRIFT II- ALUMINUM, 8" TALL, PREFINISHED

29 FIRE STOPPING - HILTI OR 3M FIRESTOP SYSTEM AND 3M FIRESAFE OR APPROVED EQUAL. INSTALLATION/ASSEMBLY MUST MEET REQUIREMENTS OF RATED ASSEMBLY NOTED.

30 JOINT PROTECTION:
- A. EXTERIOR/INTERIOR - DAP 50 YEAR ALEX ULTRA 230 PREMIUM INDOOR/OUTDOOR SEALANT WITH MICROBAN OR APPROVED EQUAL.
- B. CONCRETE JOINTS - VULKEM 245 MAMECO WATERPROOFING SEALANT OR PECORA CORPORATION - NR-200 URESPAN.
- C. INTERIOR JOINTS - SPECTRUM MFG. CORP. SPECTRUM 2000 TEC ACCUCOLOR SILICONIZED ACRYLIC.
- D. BACKER ROD - POLYETHYLENE FOAM COMPRESSED ROD STOCK
- E. ACOUSTICAL SEALANTS - LOCATED ABOVE AND BELOW WALL PLATES AT CORRIDOR WALLS, UNIT SEPARATIONS WALLS AND AT INTERSECTION OF ACOUSTICAL LID AND WALLS.

31 NOT USED

32 DOORS
- A. EXTERIOR ENTRY - LOEWEN, TRIPLE PANE, FULL LITE WITH SIDE LITE WHERE SHOWN. EXTERIOR METAL CLAD, INTERIOR WOOD. PROVIDE ELECTRONIC ENTRY HARDWARE.
- B. EXTERIOR WATER ENTRY - NON-RATED INSULATED COMPOSITE DOOR PER INTERIOR DESIGNER.
- C. SLIDING EXTERIOR - LOEWEN MULTISLIDE. TRIPLE PANE EXTERIOR METAL CLAD, INTERIOR WOOD.
- D. OVERHEAD GARAGE DOORS - PANELED, OVERHEAD DOOR OR RAYNOR WITH 4 GLASS LITES
- E. SWING DOOR AT GARAGE - INSULATED DOOR PER INTERIOR DESIGNER
- F. EXTERIOR STAIRWAY DOOR AT DECK- 90 MIN RATED PER INTERIOR DESIGNER
- G. INTERIOR SWINGING/BI-PASS - 8' HIGH NON-RATED PER INTERIOR DESIGNER
- H. BOILER ROOM - PAIR NON-COMBUSTIBLE PER INTERIOR DESIGNER

33 ACCESS PANELS -
- A. CEILING - 22" X 30" PAINTED AND TEXTURED TO MATCH CEILING - FIRE RATING AS REQUIRED
- B WALL - 24" X 24" WITH HIDDEN FLANGE AND HIDDEN LATCH PAINTED AND TEXTURED TO MATCH WALL.

34 GARAGE DOOR OPENER - LIFT MASTER 2595 HD WITH ALL FEATURES, INCLUDING REMOTES AND KEY PAD.

35 DOOR HARDWARE - PER INTERIOR DESIGNER. RATED AND/OR ACCESSIBLE WHERE REQUIRED.

36 SHOWER DOOR - CUSTOM GLASS DOOR AND SURROUND FOR STEAM SHOWER

37 TUB DOOR - SLIDING PER INTERIOR DESIGNER.

38 WINDOW - LOEWEN TRIPLE PANE WITH METAL EXTERIOR AND WOOD INTERIOR IN COLOR AND SIZES NOTED. TEMPERED GLASS WHERE REQUIRED BY CODE. EGRESS FUNCTION AT BEDROOM WINDOWS. FINISH AND ACCESSORIES BY INTERIOR DESIGNER.

39 GYPSUM BOARD
- A. TYPE "X" - US GYPSUM 5/8" SHEETROCK
- B. CEMENTIOUS BACKING BOARD - 5/8" DEN SHIELD TILE BACKER BOARD - AT ALL TILE/STONE VENEERED INTERIOR SURFACES.
- C. MOISTURE RESISTANT - 5/8" USG SHEETROCK MOLD TOUGH GYPSUM PANELS AT ALL WET LOCATIONS ANDS BOTTOM 2'-0" OF GARAGE WALLS
- D. JOINT COMPOUND - USG DURABOND 90
  FASTENERS - DRYWALL SCREWS AT WALLS AND CEILING, NON-CORROSIVE AT WET LOCATIONS
- E. CORNER BEADS - 26 GAUGE, ZINC COATED METAL SQUARE CORNER BEAD.

40 TILE - WALLS
- A. BACK SPLASH - PER INTERIOR DESIGNER
- B. TUB/SHOWER - PER INTERIOR DESIGNER

41 CEILING - ARMSTRONG DRYWALL SUSPENSION SYSTEM. HD8906HRC - DRYWALL MAIN BEAMS, XL8965HRC - DRYWALL CROSS TEE.

42 FLOORING - PER INTERIOR DESIGNER

43 WALL FINISHES - PER INTERIOR DESIGNER

44 FLOOR UNDERLAYMENT - 1 1/2" GYPCRETE 2000/3.2K AND 1/4" ACOUSTIMAT IIHP

45 TILE - FLOORS - PER INTERIOR DESIGNER

46 SHOWER BASIN - PER INTERIOR DESIGNER

47 COUNTER TOPS - PER INTERIOR DESIGNER

48 SHOWER WATERPROOFING MEMBRANE - PRO-RED WATERPROOFING MEMBRANE 963 ON BACKER BOARDWITH M-FLEX STRATE 914 FLEXIBLE LATEX MORTAR ON MORTAR FORMED SLOPE.

49 STONE FLOORS - PER INTERIOR DESIGNER

50 CARPET - PER INTERIOR DESIGNER

51 EXTERIOR METAL FINISH - PIPING, LOUVERS, VENTS ETC.
- A. PRIMER "GALVAPREP"
- B. 1ST COAT - XIM FLASHBOND 400
- C. 2ND AND 3RD CAOT - PER DEIGNER, TO MATCH ADJACENT SURFACE

52 INTERIOR PAINT
- A. TEXTURE PRIMER - HAMILTON PREP COAT PLUS
- B. PRIMER - BENJAMIN MORE REGAL CLASSIC PREMIUM INTERIOR LATEX PRIMER N216 - COLOR PER DESIGNER
- C. PAINT - BENJAMIN MORE REGAL CLASSIC PREMIUM INTERIOR LATEX EGGSHELL FINISH - COLOR PER DESIGNER - 2 COATS

53 INTERIOR PAINT AT WET LOCATIONS
- A. TEXTURE PRIMER - HAMILTON PREP COAT PLUS
- B. PRIMER - PVA PRIMER - COLOR PER DESIGNER
- C. PAINT - BENJAMIN MORE KITCHEN AND BATH SEMI-GLOSS FINISH - COLOR PER DESIGNER - 2 COATS

54 INTERIOR WOOD TRIM
- A. PRIMER - BENJAMIN MORE REGAL CLASSIC PREMIUM INTERIOR LATEX PRIMER N216 - COLOR PER DESIGNER
- C. PAINT - BENJAMIN MORE REGAL CLASSIC PREMIUM INTERIOR LATEX SEMI GLOSS FINISH - COLOR PER DESIGNER - 2 COATS

55 WOOD TRIM, SHELVES AND PANELING - WATCO OILS STAIN - COLOR PER DESIGNER. 2 COATS POLYURETHANE FINISH

56 INTERIOR DECORATIVE BEAMS - 2 COATS SIKKENS CETOL 1 WITH ONE COAT CETOL 23 PLUS AS TOP COAT. COLOR PER INTERIOR DESIGNER.

57 INTERIOR METAL
- A. PRIMER - BENJAMIN MOORE SPEC HP ACRYLIC METAL PRIMER P04
- B. PAINT - BENJAMIN MORE REGAL CLASSIC PREMIUM INTERIOR LATEX EGGSHELL FINISH - COLOR PER DESIGNER - 2 COATS

58 CONCRETE SLAB SEALANT - WR MEADOWS SEALTIGHT

59 TOILET ACCESSORIES - PER INTERIOR DESIGNER

60 FIREPLACE
- A. LIVING ROOM - DIRECT VENT FIREPLACE RUSHMORE DVCT50CBP
- B. PRIMARY BEDROOM - MAJESTIC QUARTZ32IF

61 FIRE EXTINGUISHERS - 5# ABC EXTINGUISHER AMEREX A400 UNDER SINK - 1 PER UNIT. ADDITIONAL 5# WHERE REQUIRED FOR MAXIMUM TRAVEL DISTANCE OF 40' TO EXTINGUISHER

62 APPLIANCES - PER DESIGNER

63 MILLWORK - PER INTERIOR DESIGNER. PLANS AND ELEVATIONS ARE FOR REFERENCE ONLY. DO NOT BUILD FROM ARCHITECTURAL DRAWINGS - INTERIOR DESIGNER/MILLWORKER TO PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL.

64 WINDOW TREATMENTS - PER INTERIOR DESIGNER. PROVIDE POWER/BOX FOR REMOTE OPERATORS AT ALL WINDOWS. RE: ELECTRICAL

65 ELEVATOR - PER ELEVATOR DRAWING

66 FIRE SUPPRESSION - NFPA-13R

GENERAL NOTES:

A) DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSION AND CONDITIONS IN FIELD. DISCREPANCIES IN DIMENSIONS, EXISTING CONDITIONS AND FIELD MEASUREMENTS ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE COMMENCEMENT OF THE WORK.

B) GYPSUM BOARD – THICKNESS SPECIFIED WITHIN THE BUILDING ASSEMBLIES AND FROM A MANUFACTURER SPECIFIED WITHIN THE REFERENCED FIRE RATED ASSEMBLY WHEN A PROPRIETARY PRODUCT IS SPECIFIED.
- ALL GYPSUM BOARD, WHETHER IN A RATED ASSEMBLY OR NOT SHALL BE TYPE "X",
- WATER RESISTIVE GYPSUM BOARD SHALL BE INSTALLED IN ALL WET AREAS AS REQUIRED BY CODE.
- CEMENT BOARD SHALL BE USED BEHIND ALL TILE/STONE VENEER OR OTHER ADHERED WALL FINISHES.

C) IF A BUILDING ASSEMBLY REFERENCES A SPECIFIC FIRE RATED TESTED ASSEMBLY AND/OR SOUND ASSEMBLY, THE CONTRACTOR SHALL BUILD THAT SPECIFIC ASSEMBLY BASED ON THE REQUIREMENTS SPECIFIED WITHIN THE REFERENCED ASSEMBLIES (I.E. PROPRIETARY MATERIALS, SIZES, SPACING, ETC...). CONTACT THE ARCHITECT AND STRUCTURAL ENGINEER IF THERE IS A CONFLICT BETWEEN THE CONSTRUCTION SET AND THE REFERENCED FIRE TESTED & SOUND ASSEMBLY.

D) LOCATION, TYPE AND EXTENT OF WALL SHEATHING REQUIRED BY THE STRUCTURAL ENGINEER FOR SHEAR SHALL BE COORDINATED WITH THE STRUCTURAL DRAWINGS.

E) ALL EXTERIOR VENEER MATERIALS TO BE INSTALLED IN STRICT CONFORMANCE WITH THEIR RESPECTIVE MANUFACTURER'S SPECIFICATIONS & WARRANTY AND THE ADOPTED BUILDING CODE, WHICHEVER IS MORE STRINGENT.

F) WATERPROOFING SYSTEM - INSTALL IN STRICT CONFORMANCE WITH MANUFACTURERS SPECIFICATIONS & WARRANTY INCLUDING BUT NOT LIMITED TO TERMINATION AT WALL, TERMINATION AT EDGE (I.E. STEEL ANGLE), CONNECTIONS & OVERLAPPING ADJACENT MATERIALS, ETC...).

G) CLASS II VAPOR RETARDER WITHIN WALLS TO BE INSTALLED IN ACCORDANCE WITH 2021 IBC SECTION 1405.3.

H) REFER TO ARCHITECTURAL SHEET A500 FOR FIRE RESISTIVE & SOUND TESTED ASSEMBLIES REFERENCED WITHIN THESE BUILDING ASSEMBLIES.

I) MANUFACTURERS DETAILS AND REQUIREMENTS SUPERSEDE ARCHITECTURAL DETAILS AND NOTATIONS INCLUDED IN THIS CONSTRUCTION SET. CONTACT THE ARCHITECT WITH ANY DISCREPANCIES.

J) ALL SHOP DRAWINGS TO BE REVIEWED BY SUPPLIER AND G.C. PRIOR TO SUBMITTAL TO ARCHITECT.

K) PROVIDE PRESSURE TREATED LUMBER AT AREAS IN CONTACT WITH CONCRETE AND SUBJECT TO DECAY. FASTENERS TO BE HOT DIPPED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER.

L) PROVIDE BLOCKING/BACKING FOR ALL DOORS, WINDOWS, COUNTERTOPS, SHELVES, CABINETS, RAILING, MIRRORS, TV BRACKETS, TOILET ACCESSORIES AND FUTURE ACCESSORIES AS NOTED IN ACCESSIBLE DETAILS.

M) FOR ALL ASSEMBLIES, PROVIDE ALL COMPONENTS NECESSARY TO PROPERLY INSTALL, SEAL, WEATHER PROOF, AS NOTED IN MANUFACTURER'S SPECIFICATIONS. INCLUDING BUT NOT LIMITED TO HANGERS, WALL BRACKETS, END CLOSURES, FLANGES, MISC. FITTINGS, SLEEVES, INSERTS, ANCHORS, BACKING, AND BLOCKING.

N) ALL SYSTEMS/PRODUCTS NOTED IN THE BASIS OF DESIGN LIST ARE TO BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS. ANY PROPOSED SUBSTITUTION FOR SYSTEMS/PRODUCTS NOTED IN BASIS OF DESIGN LIST ARE TO BE EQUAL TO THE SYSTEM/PRODUCT NOTED. SUBMIT INFORMATION TO ARCHITECT ON PROPOSED SUBSTITUTIONS FOR REVIEW AND APPROVAL.

REVIEWED FOR CODE COMPLIANCE
04/01/2025

INTERIOR GENERAL NOTES:

- FIELD VERIFY ALL COUNTER TOPS AND CASEWORK PRIOR TO ORDERING.
- VERIFY ALL APPLIANCE SPECIFICATIONS AND INSTALLATION REQUIREMENTS PRIOR TO ORDERING. PROVIDE BLOCKING PER APPLIANCE SPECIFICATIONS.
- SEE GENERAL SHEETS FOR REQUIRED BLOCKING IN TYPE B UNITS.
- SEE XXX FOR SHOWER AND TUB CONFIGURATIONS AT RATED AND NON-RATED WALLS.
- PROVIDE (2) TOWEL BARS, (1) TOILET PAPER HOLDER, AND (1) SOAP DISH AT EACH BATH ROOM. PROVIDE TOWEL BAR WARMER WHERE NOTED.
- PROVIDE CLOTHES ROD AND FIXED SHELF IN EACH CLOSET.
- PROVIDE 18" DEEP FIXED IN PLACE SHELF ABOVE WASHER AND DRYER.
- PROVIDE (4) FIXED IN PLACE SHELVES IN EACH LINEN CLOSET.
- ALL FURNITURE SHOWN IS SCHEMATIC AND WILL BE FURNISHED AND INSTALLED BY OWNER
- ALL TYPE B UNITS AND SURROUNDING AREAS SHALL COMPLY WITH ICC/ANSI A117.1-2017 AS REFERENCED IN THE 2021 I.B.C.

STATE OF COLORADO
ERIC P. SMITH
B-1112
MAY 24, 2024
LICENSED ARCHITECT

NOTICE: DUTY OF COOPERATION

Release of these plans contemplates further cooperation among the owner, his contractor and the architect. Design and construction are complex. Although the architect and his consultants have performed their services with due care and diligence, they cannot guarantee perfection. Communication is imperfect and every contingency cannot be anticipated. Any ambiguity or discrepancy discovered by the use of these plans shall be reported immediately to the architect. Failure to notify the architect compounds misunderstanding and increases construction costs. A failure to cooperate by a simple notice to the architect shall relieve the architect from responsibility for the consequences. Changes made from the plans without consent of the architect are unauthorized and shall relieve the architect of responsibility for all consequences arriving out of such changes.

REVISIONS

No.	Description	Date

ASTRID BUILDING 7
STEAMBOAT SPRINGS COLORADO

ERIC SMITH ASSOCIATES, P.C.
1919 SEVENTH STREET
BOULDER, COLORADO, 80302
(303) 442-5456, (303) 442-4745 FAX

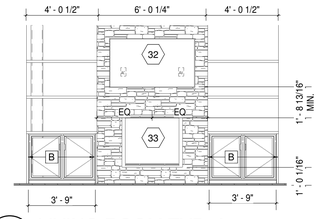
Job Number:	22014
Date:	5/24/24
Drawn By:	ESA
Checked By:	ESA

Project Phase
PERMIT

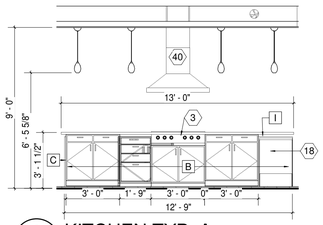
Sheet Title
NOTES AND SCHEDULES

Sheet Number
A240

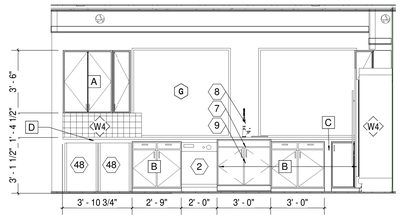
ALL CASEWORK SHOWN IS SCHEMATIC. QUANTITY, STYLE, TYPE AND FINISH TO BE DETERMINED BY OTHERS.
ALL LIGHTING SHOWN IS SCHEMATIC. QUANTITY, STYLE, TYPE AND FINISH TO BE DETERMINED BY OTHERS.
SEE A240 FOR NOTES AND SCHEDULES.



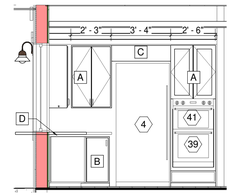
1 A250 LIVING ROOM TYP. A
1/4" = 1'-0"



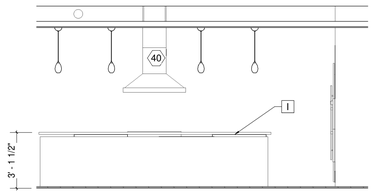
2 A250 KITCHEN TYP. A
1/4" = 1'-0"



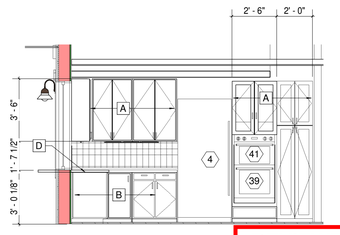
3 A250 KITCHEN TYP. B
1/4" = 1'-0"



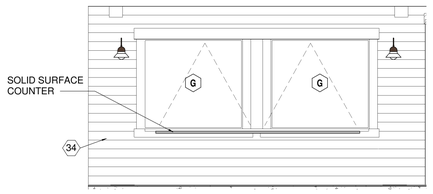
4 A250 KITCHEN TYP. C
1/4" = 1'-0"



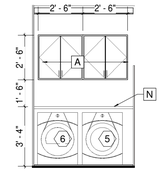
5 A250 KITCHEN TYP. D
1/4" = 1'-0"



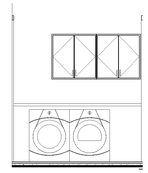
6 A250 KITCHEN TYP. E
1/4" = 1'-0"



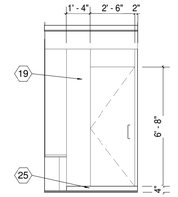
7 A250 DECK TYP. A
1/4" = 1'-0"



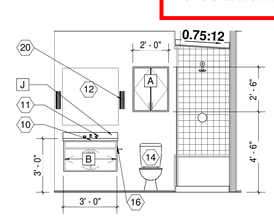
10 A250 LAUNDRY TYP. B
1/4" = 1'-0"



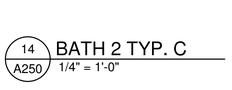
11 A250 LAUNDRY - UPPER
1/4" = 1'-0"



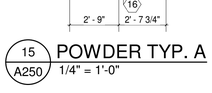
12 A250 BATH 2 TYP. A
1/4" = 1'-0"



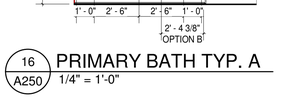
13 A250 BATH 2 TYP. B
1/4" = 1'-0"



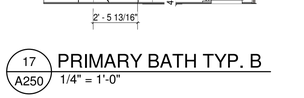
14 A250 BATH 2 TYP. C
1/4" = 1'-0"



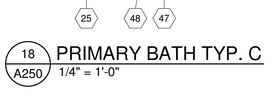
15 A250 POWDER TYP. A
1/4" = 1'-0"



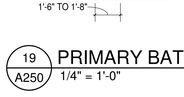
16 A250 PRIMARY BATH TYP. A
1/4" = 1'-0"



17 A250 PRIMARY BATH TYP. B
1/4" = 1'-0"

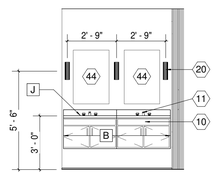


18 A250 PRIMARY BATH TYP. C
1/4" = 1'-0"

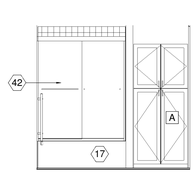


19 A250 PRIMARY BATH TYP. D
1/4" = 1'-0"

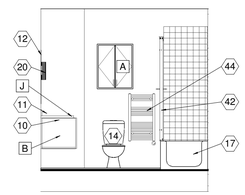
20 A250 PRIMARY BATH TYP. E
1/4" = 1'-0"



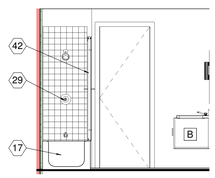
21 A250 BATH BUNK TYP. A
1/4" = 1'-0"



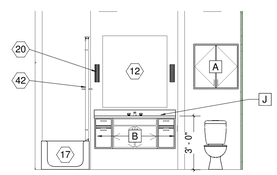
22 A250 BATH BUNK TYP. B
1/4" = 1'-0"



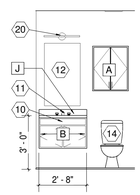
23 A250 BATH BUNK TYP. C
1/4" = 1'-0"



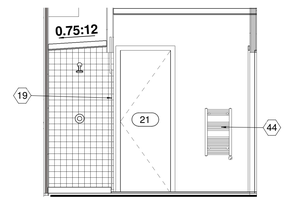
8 A250 BATH BUNK TYP.D
1/4" = 1'-0"



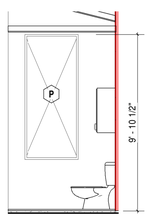
24 A250 TUB BUNK M-10
1/4" = 1'-0"



26 A250 POWDER UPPER A
1/4" = 1'-0"



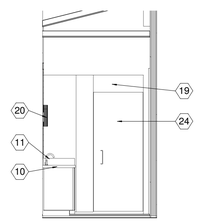
27 A250 BATH #5 U-13 A
1/4" = 1'-0"



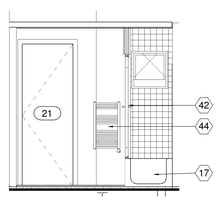
28 A250 BATH #5 U-13 B
1/4" = 1'-0"

PLUMB FROM FLOOR OR SIDE WALL - NOT EXTERIOR WALL

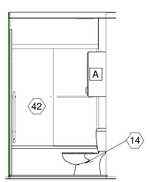
29 A250 BATH #5 U-13 C
1/4" = 1'-0"



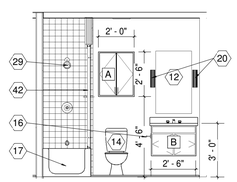
30 A250 BATH #5 U-13 D
1/4" = 1'-0"



31 A250 BATH #4 U-22 A
1/4" = 1'-0"



32 A250 BATH #4 U-22 B
1/4" = 1'-0"



33 A250 BATH #4 U-22 C
1/4" = 1'-0"

STATE OF COLORADO
ERIC P. SMITH
B-1112
MAY 24, 2024
LICENSED ARCHITECT

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REVIEWED FOR CODE COMPLIANCE
04/01/2025

REVISIONS

No.	Description	Date

ASTRID BUILDING 7
STEAMBOAT SPRINGS COLORADO

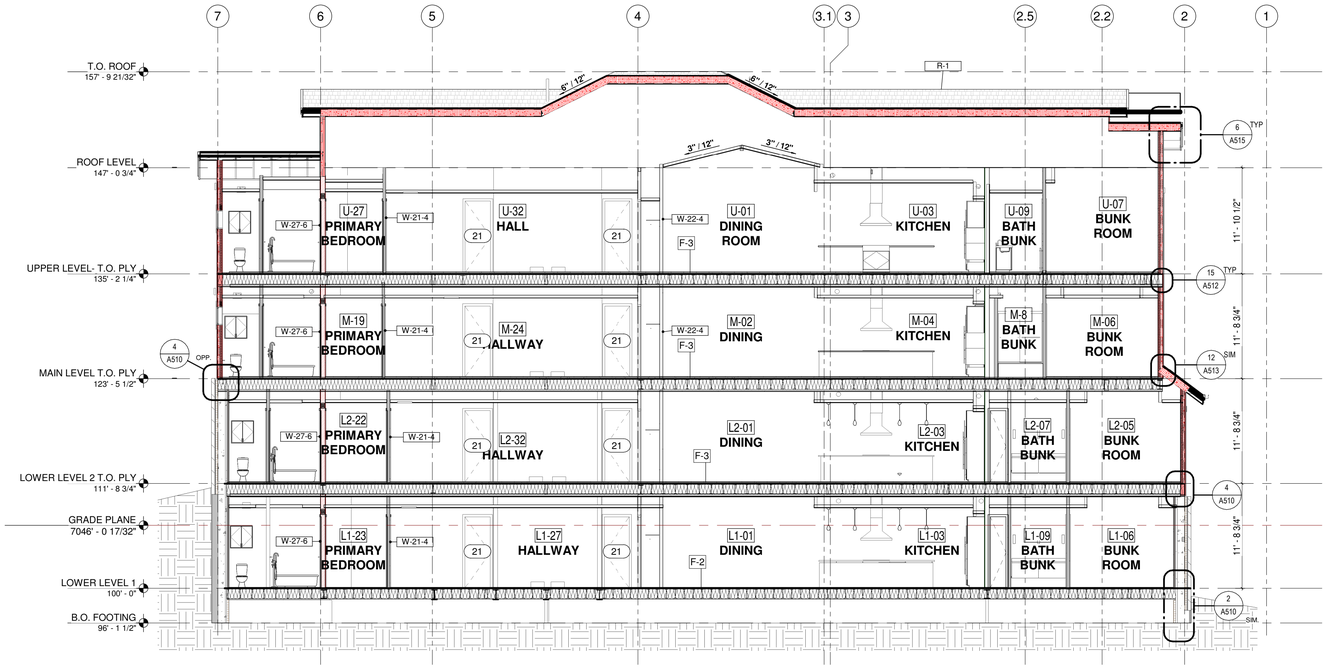
ERIC SMITH ASSOCIATES, P.C.
1919 SEVENTH STREET
BOULDER, COLORADO, 80302
(303) 442-5458, (303) 442-4745 FAX

Job Number:	22014
Date:	5/24/24
Drawn By:	ESA
Checked By:	T.J.

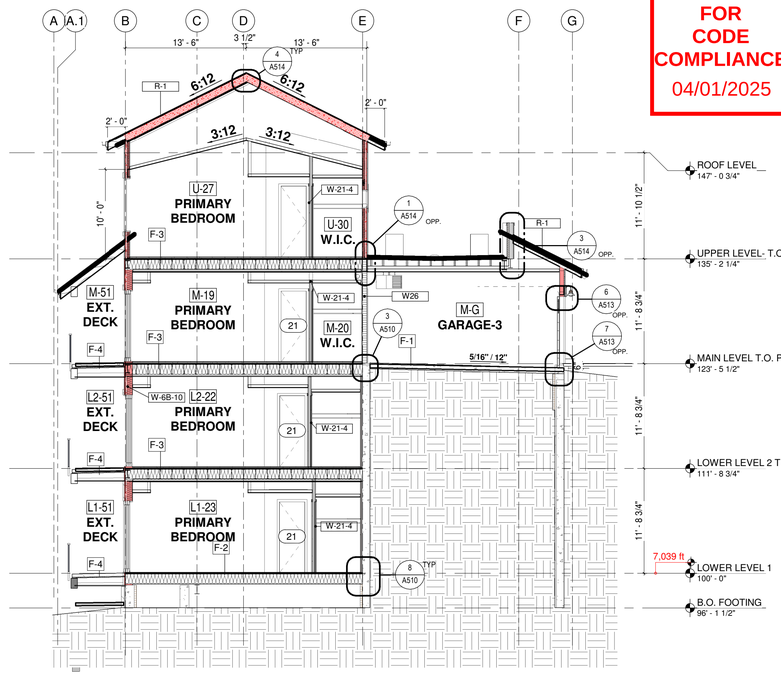
Project Phase
PERMIT

Sheet Title
INTERIOR ELEVATIONS

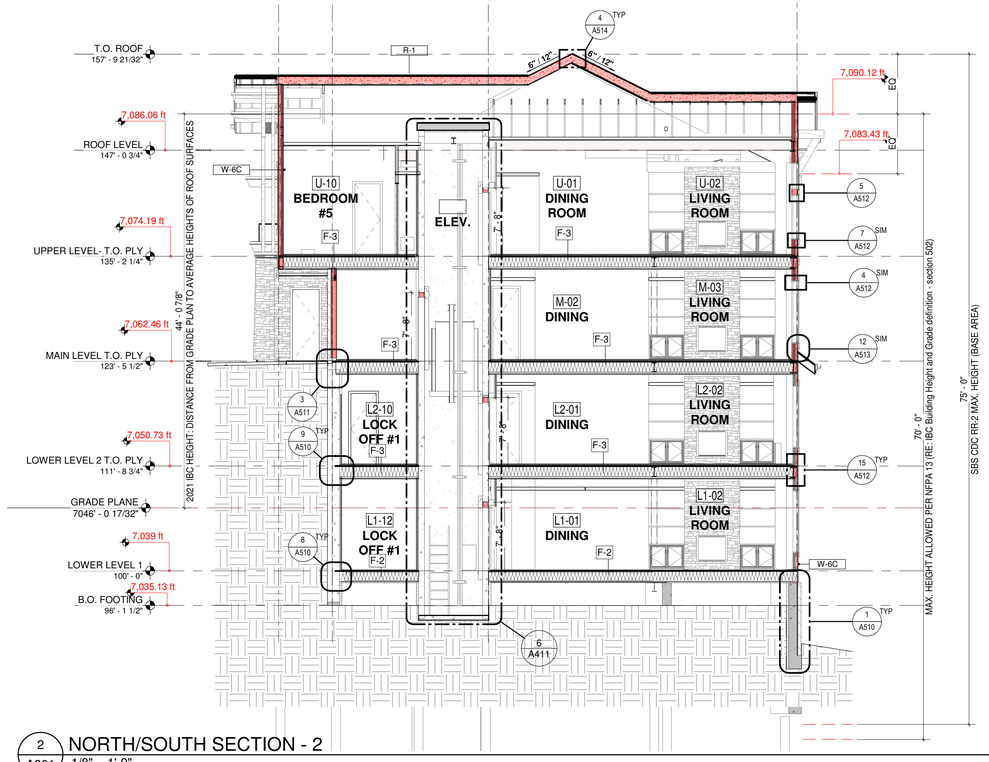
Sheet Number
A250



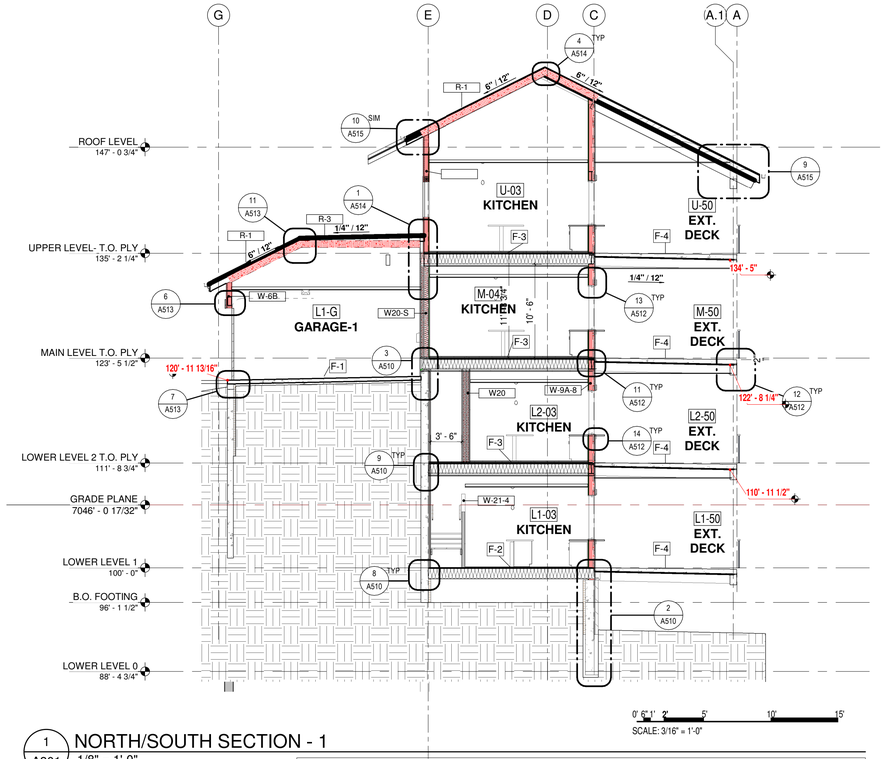
4 A301 EAST/WEST SECTION - 3
1/8" = 1'-0"



3 A301 NORTH/SOUTH SECTION - 3
1/8" = 1'-0"



2 A301 NORTH/SOUTH SECTION - 2
1/8" = 1'-0"



1 A301 NORTH/SOUTH SECTION - 1
1/8" = 1'-0"

Provide and install all products for construction to industry standard including all related ASTM standards and product manufacturer's installation and specification requirements.

REVIEWED FOR CODE COMPLIANCE
04/01/2025

STATE OF COLORADO
ERIC P. SMITH
B-1172
MAY 24, 2024
LICENSED ARCHITECT

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No.	Description	Date

ASTRID BUILDING 7
STEAMBOAT SPRINGS COLORADO

ERIC SMITH ASSOCIATES, P.C.
1919 SEVENTH STREET
BOULDER, COLORADO, 80302
(303) 442-5456, (303) 442-4745 FAX

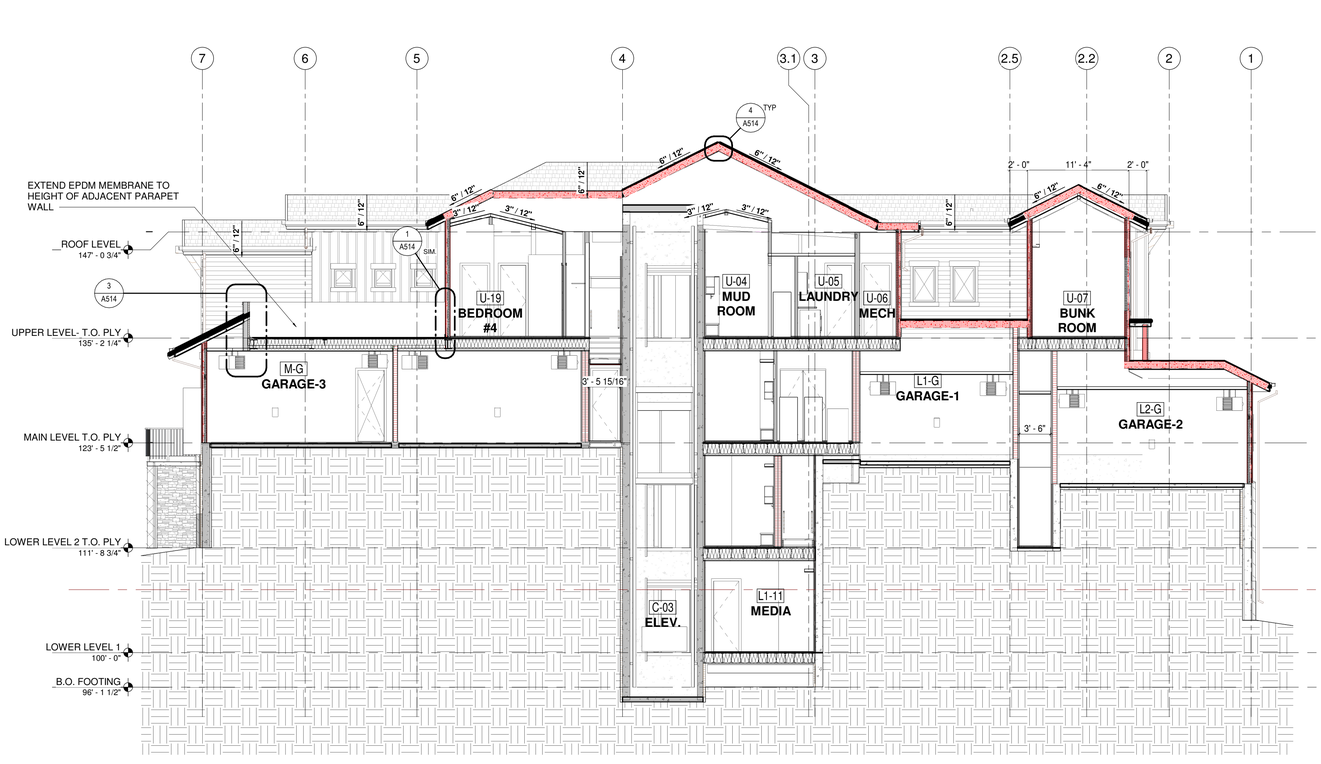
Job Number:	22014
Date:	5/24/24
Drawn By:	ESA
Checked By:	T.J.

Project Phase
PERMIT

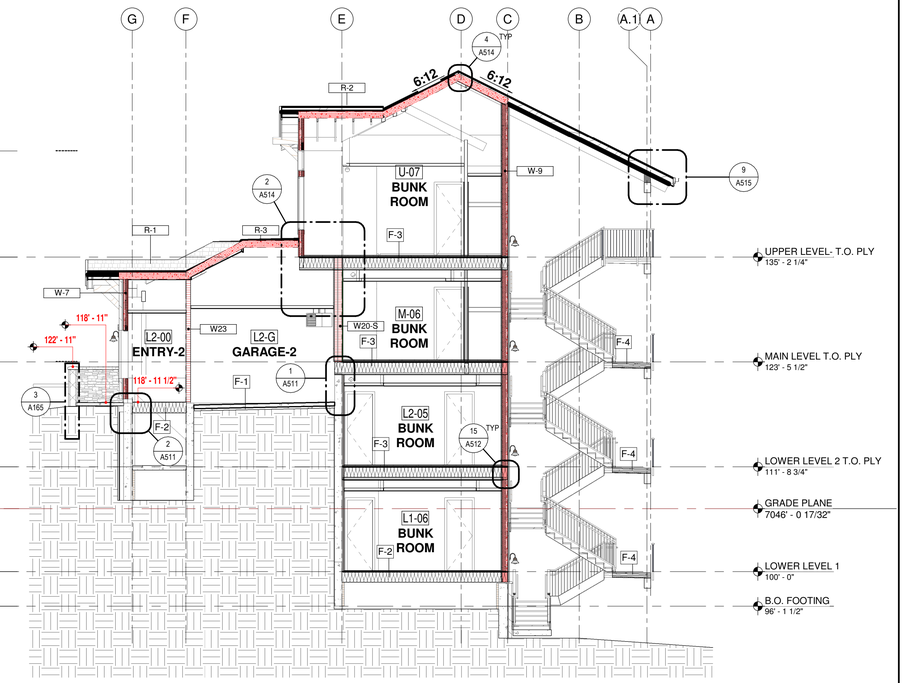
Sheet Title
BUILDING SECTIONS

Sheet Number
A301

REVIEWED
FOR
CODE
COMPLIANCE
04/01/2025



2 / A302 EAST/WEST SECTION - 2
1/8" = 1'-0"



1 / A302 NORTH/SOUTH SECTION - 4
1/8" = 1'-0"

5/24/2024 1:52:19 PM THE ASTRID CONDO B7 v22

STATE OF COLORADO
ERIC P. SMITH
B-1112
MAY 24, 2024
LICENSED ARCHITECT

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ASTRID BUILDING 7
STEAMBOAT SPRINGS COLORADO

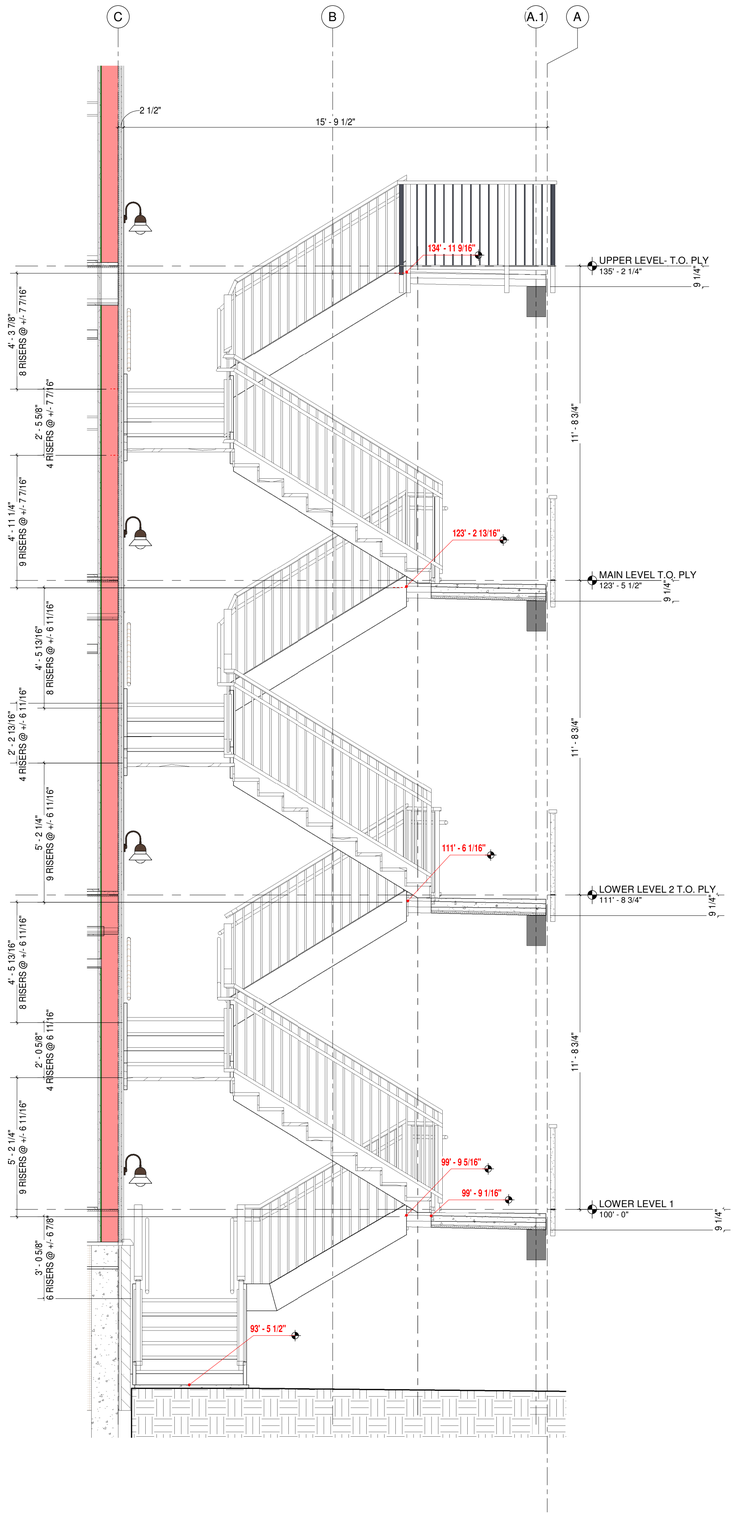
ERIC SMITH ASSOCIATES, P.C.
1919 SEVENTH STREET
BOULDER, COLORADO, 80302
(303) 442-5456, (303) 442-4745 FAX

Job Number:	22014
Date:	5/24/24
Drawn By:	ESA
Checked By:	ESA

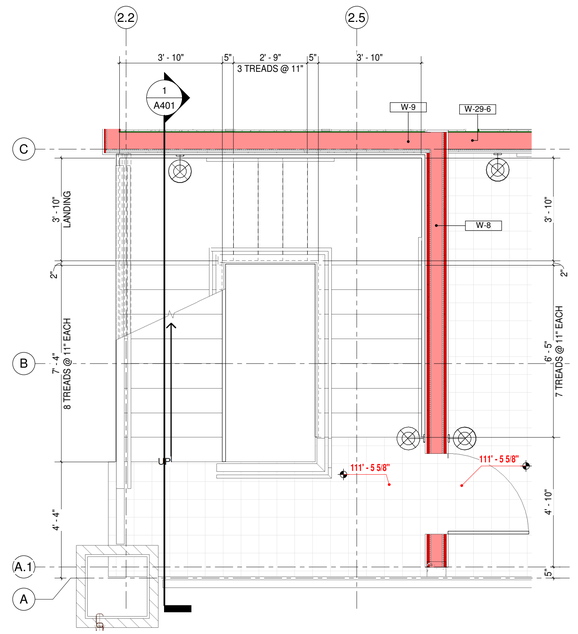
Project Phase
PERMIT

Sheet Title
BUILDING SECTIONS

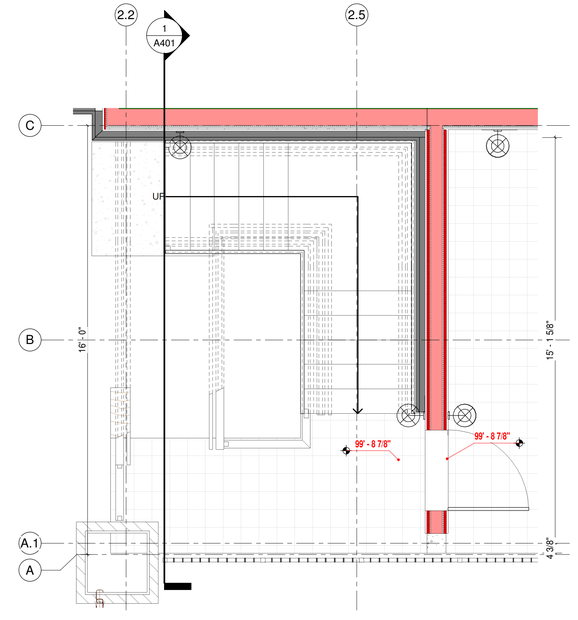
Sheet Number
A302



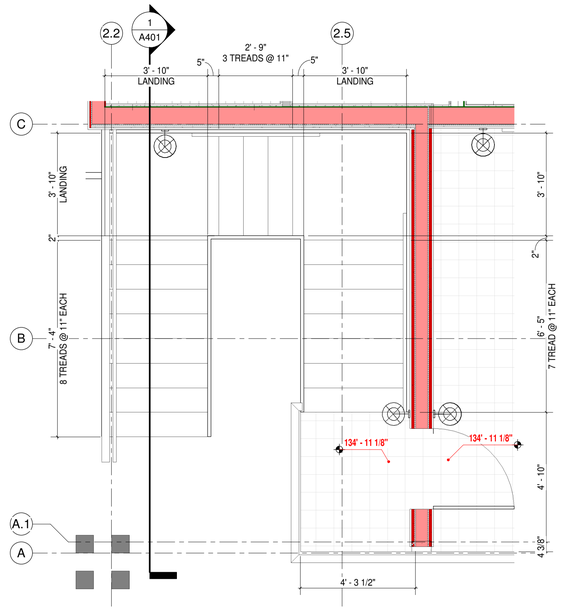
1 A401 EXTERIOR STAIR SECTION
3/8" = 1'-0"



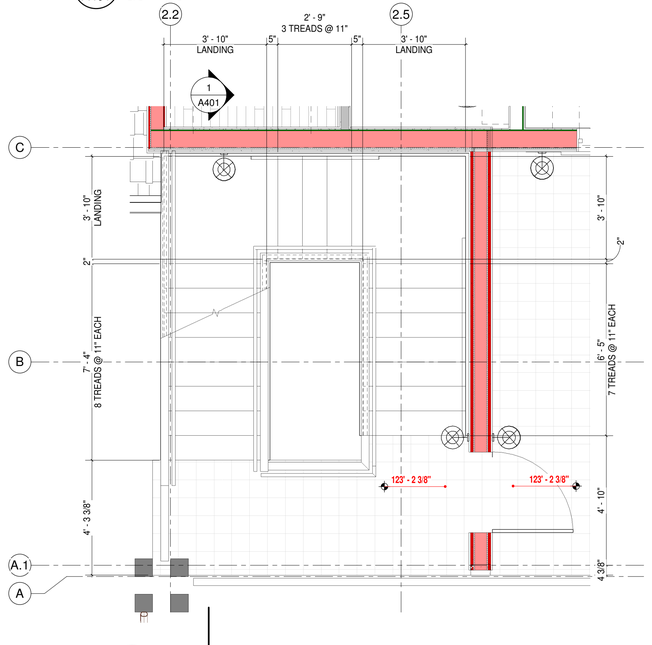
2 A401 LOWER LEVEL 2 - EXTERIOR STAIR
3/8" = 1'-0"



4 A401 LOWER LEVEL 1 - EXTERIOR STAIR
3/8" = 1'-0"



3 A401 UPPER LEVEL -EXTERIOR STAIR
3/8" = 1'-0"



7 A401 MAIN LEVEL - EXTERIOR STAIR
3/8" = 1'-0"

Provide and install all products for construction to industry standard including all related ASTM standards and product manufacturer's installation and specification requirements.

REVIEWED FOR CODE COMPLIANCE
04/01/2025

STATE OF COLORADO
ERIC P. SMITH
B-1112
MAY 24, 2024
LICENSED ARCHITECT

REVISIONS

No.	Description	Date

ASTRID BUILDING 7
STEAMBOAT SPRINGS COLORADO

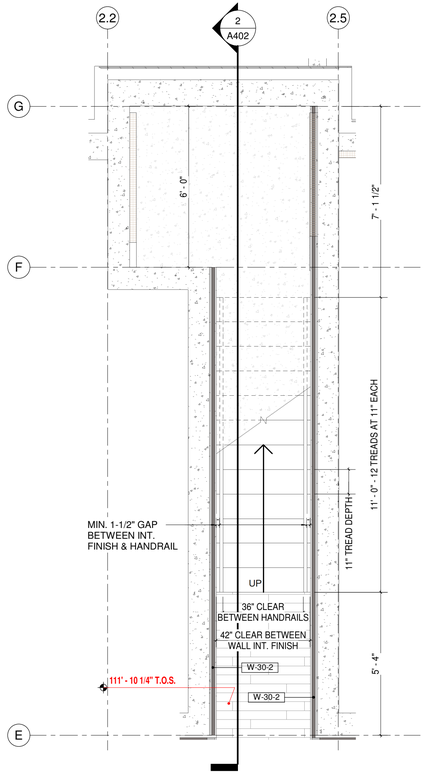
ERIC SMITH ASSOCIATES, P.C.
1919 SEVENTH STREET
BOULDER, COLORADO, 80302
(303) 442-5458, (303) 442-4745 FAX

Job Number:	22014
Date:	5/24/24
Drawn By:	ESA
Checked By:	ESA

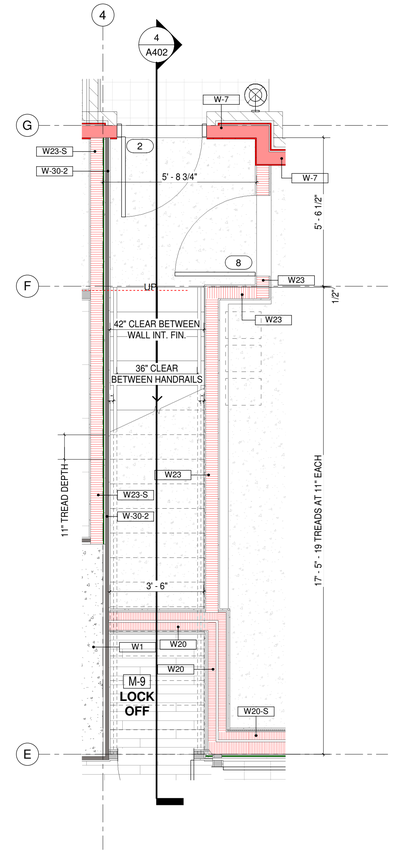
Project Phase
PERMIT

Sheet Title
STAIR LAYOUTS & SECTIONS

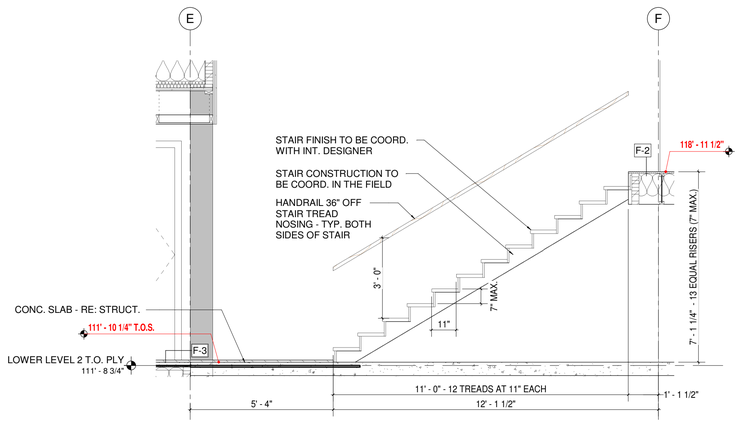
Sheet Number
A401



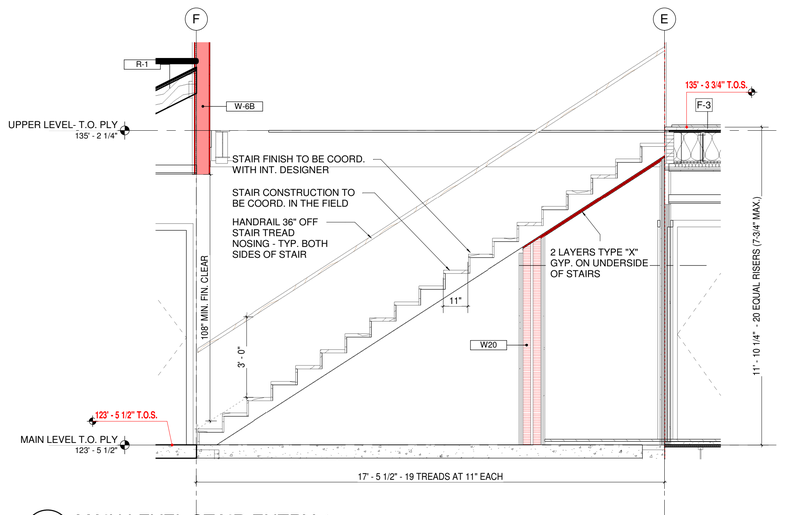
1 A402 LOWER LEVEL 2 STAIRS MUD ROOM
3/8" = 1'-0"



3 A402 MAIN LEVEL STAIR ENTRY 4
3/8" = 1'-0"



2 A402 LOWER LEVEL 2 STAIRS MUD ROOM
3/8" = 1'-0"



4 A402 MAIN LEVEL STAIR ENTRY 4
3/8" = 1'-0"

REVIEWED FOR CODE COMPLIANCE
04/01/2025

STATE OF COLORADO
ERIC P. SMITH
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MAY 24, 2024
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No.	Description	Date

ASTRID BUILDING 7
STEAMBOAT SPRINGS COLORADO

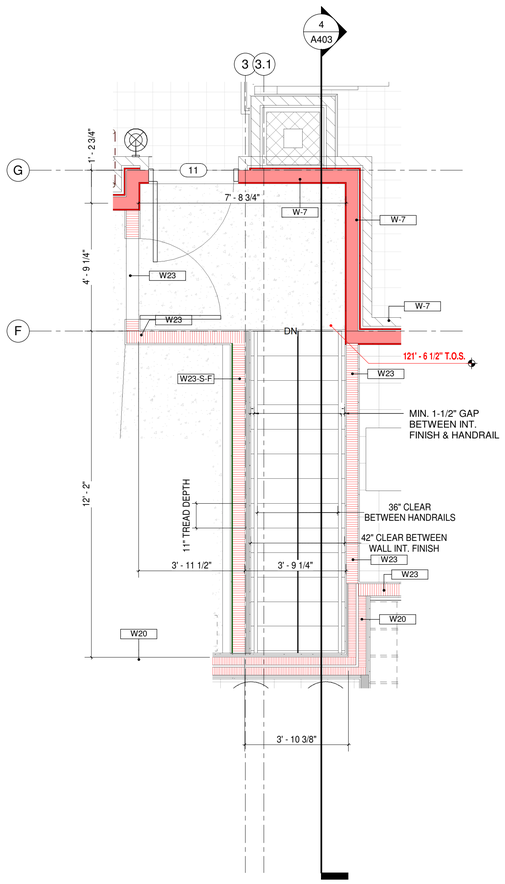
ERIC SMITH ASSOCIATES, P.C.
1919 SEVENTH STREET
BOULDER, COLORADO, 80302
(303) 442-5456, (303) 442-4745 FAX

Job Number:	22014
Date:	5/24/24
Drawn By:	ESA
Checked By:	ESA

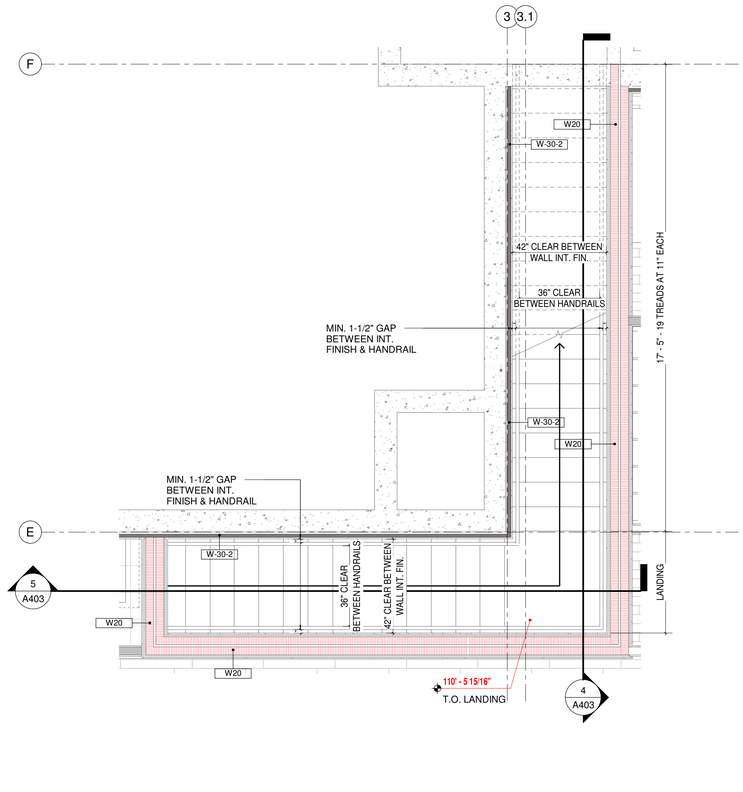
Project Phase
PERMIT

Sheet Title
STAIR LAYOUTS & SECTIONS

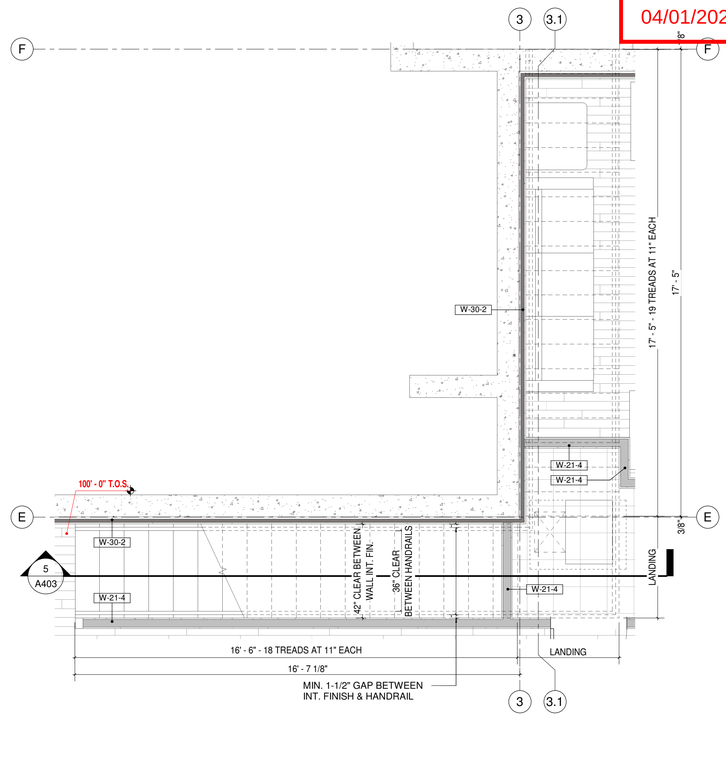
Sheet Number
A402



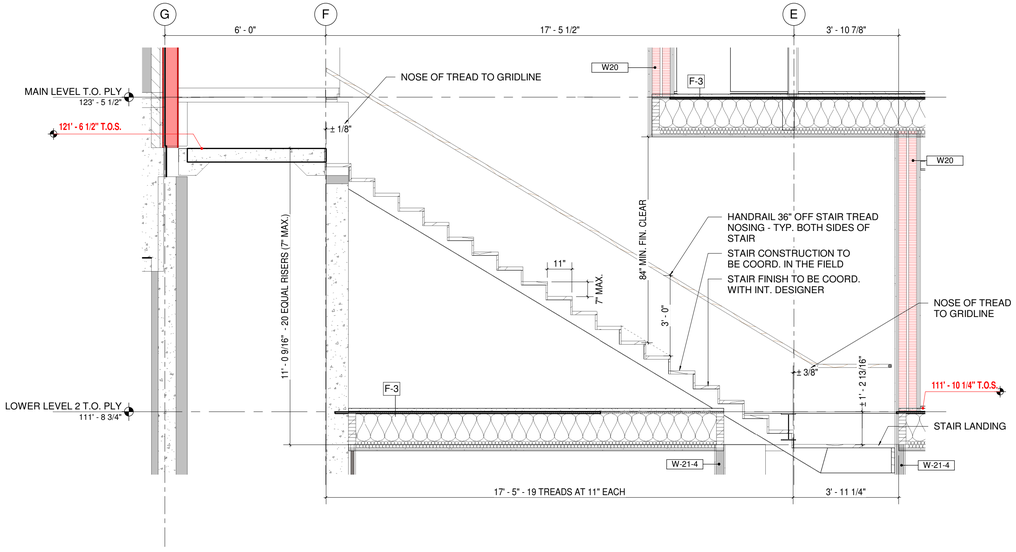
1 A403 MAIN LEVEL STAIR ENTRY 1
3/8" = 1'-0"



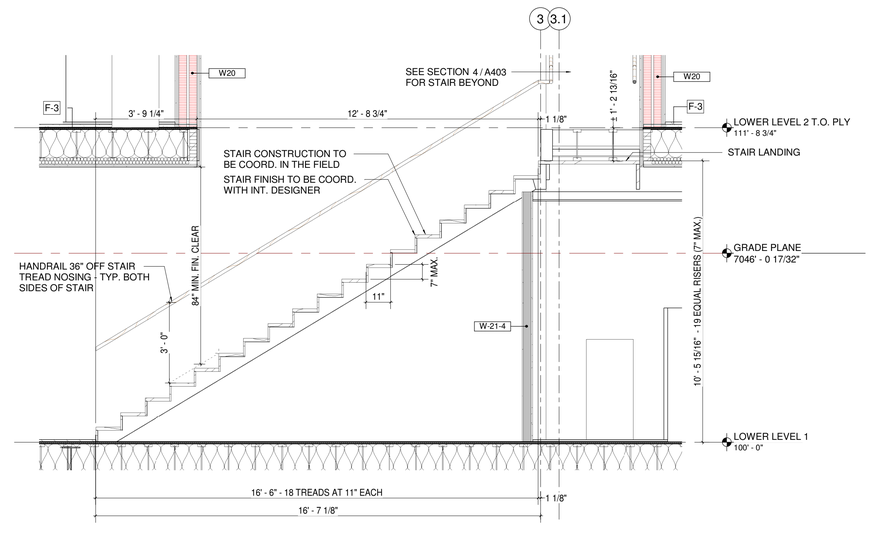
2 A403 LOWER LEVEL 2 STAIR SOUTH
3/8" = 1'-0"



28 A403 LOWER LEVEL 1 STAIR SOUTH
3/8" = 1'-0"



4 A403 MAIN LEVEL STAIR ENTRY 1
3/8" = 1'-0"



5 A403 LOWER LEVEL STAIR SECTION SOUTH
3/8" = 1'-0"

STATE OF COLORADO
ERIC P. SMITH
B-1112
MAY 24, 2024
LICENSED ARCHITECT

REVISIONS

No.	Description	Date

ASTRID BUILDING 7
STEAMBOAT SPRINGS COLORADO

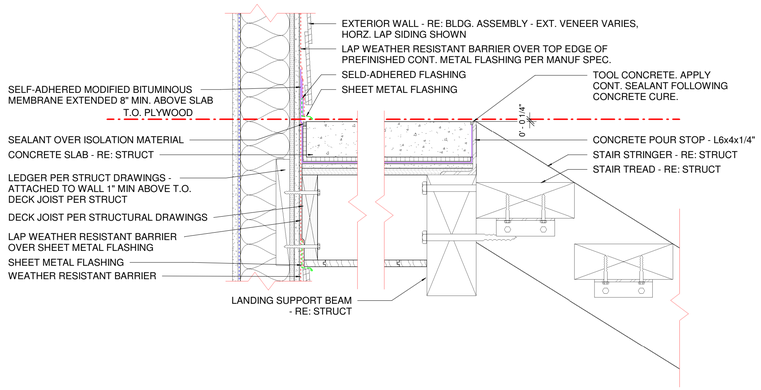
ERIC SMITH ASSOCIATES, P.C.
1919 SEVENTH STREET
BOULDER, COLORADO, 80302
(303) 442-5456, (303) 442-4745 FAX

Job Number:	22014
Date:	5/24/24
Drawn By:	ESA
Checked By:	ESA

Project Phase
PERMIT

Sheet Title
STAIR LAYOUTS & SECTIONS

Sheet Number
A403



1 / A404 FLOOR EDGE DETAIL AT STAIR LANDING

1 1/2" = 1'-0"

REVIEWED FOR CODE COMPLIANCE
04/01/2025

STATE OF COLORADO
ERIC P. SMITH
B-1112
MAY 24, 2024
LICENSED ARCHITECT

NOTICE: DUTY OF COOPERATION

Release of these plans contemplates further cooperation among the owner, his contractor and the architect. Design and construction are complex. Although the architect and his consultants have performed their services with due care and diligence, they cannot guarantee perfection. Communication is imperfect and every contingency cannot be anticipated. Any ambiguity or discrepancy discovered by the use of these plans shall be reported immediately to the architect. Failure to notify the architect compounds misunderstanding and increases construction costs. A failure to cooperate by a simple notice to the architect shall relieve the architect from responsibility for the consequences. Changes made from the plans without consent of the architect are unauthorized and shall relieve the architect of responsibility for all consequences arriving out of such changes.

REVISIONS

No.	Description	Date

ASTRID BUILDING 7
STEAMBOAT SPRINGS COLORADO

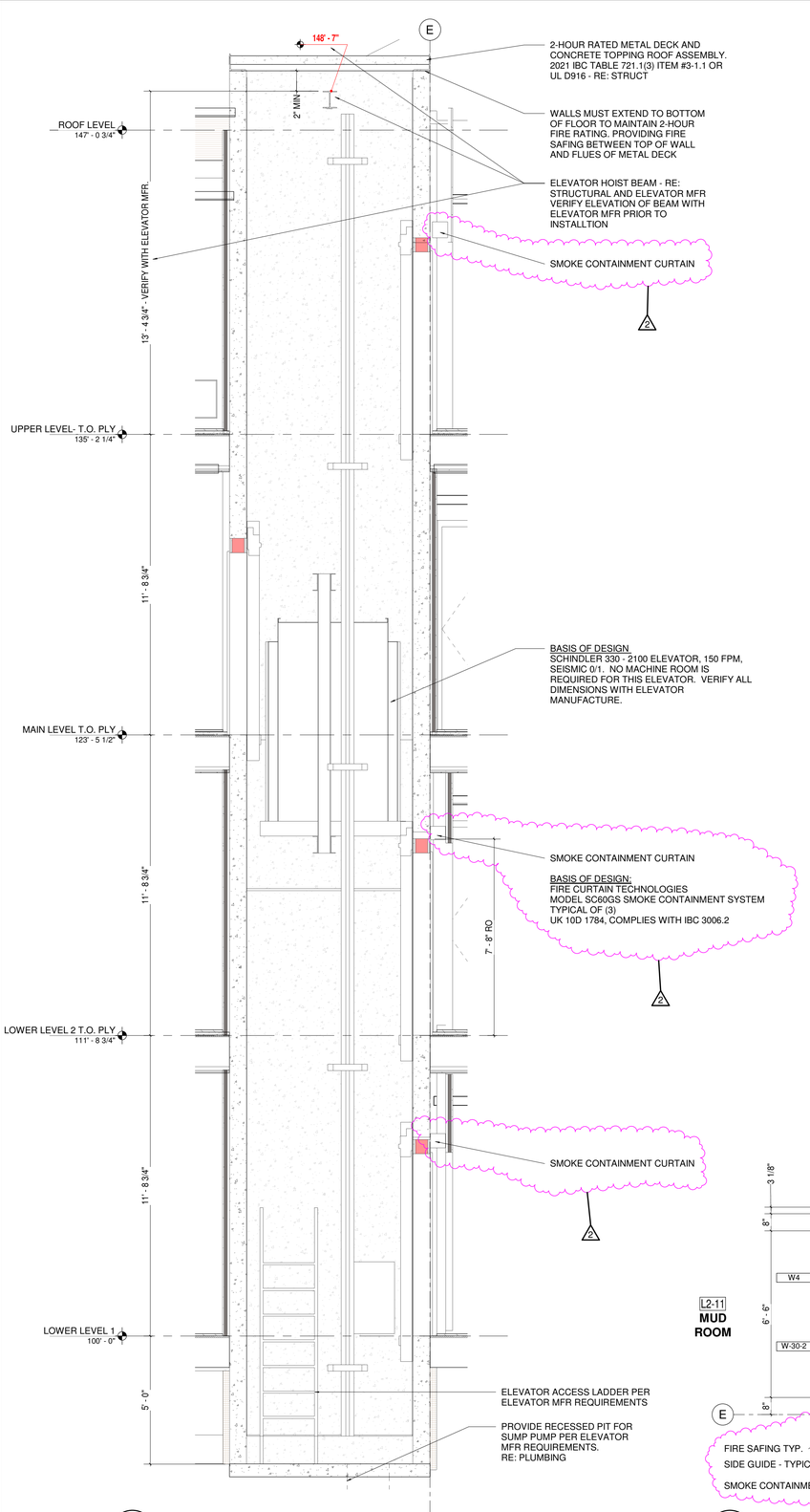
ERIC SMITH ASSOCIATES, P.C.
1919 SEVENTH STREET
BOULDER, COLORADO, 80302
(303) 442-5458, (303) 442-4745 FAX

Job Number:	22014
Date:	5/24/24
Drawn By:	Author
Checked By:	Checker

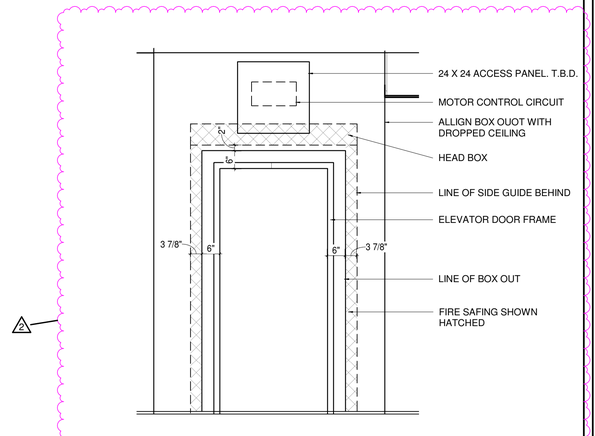
Project Phase
PERMIT

Sheet Title
STAIR DETAILS

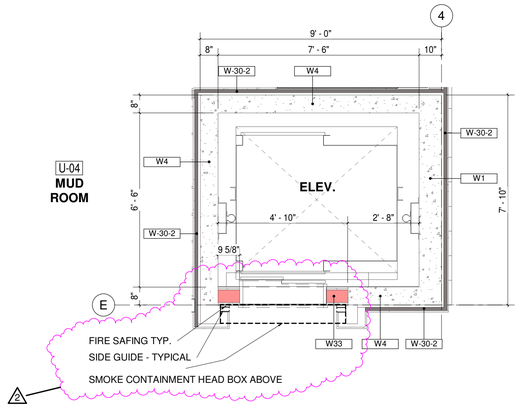
Sheet Number
A404



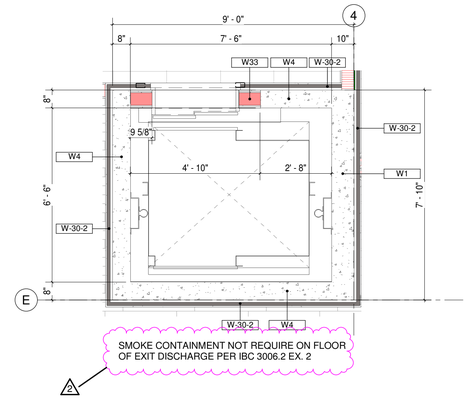
6 A411 ELEVATOR SECTION
3/8" = 1'-0"



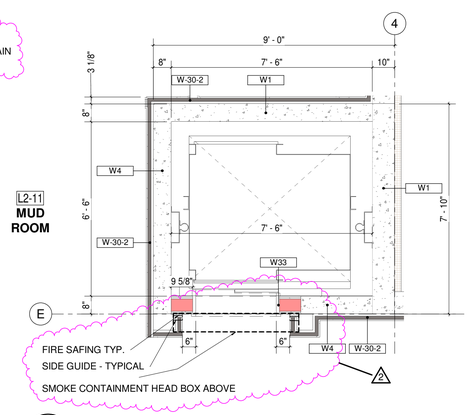
7 A411 TYPICAL ELEVATOR DOOR FIRE CURTAIN
1/2" = 1'-0"



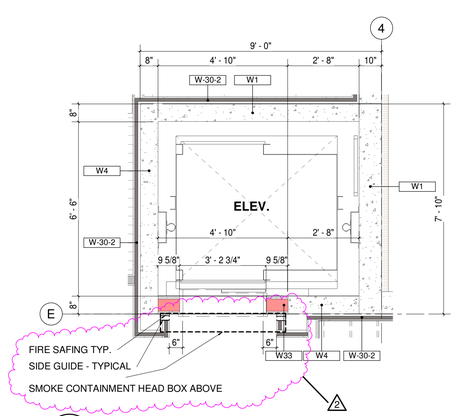
5 A411 UPPER LEVEL - ELEVATOR
3/8" = 1'-0"



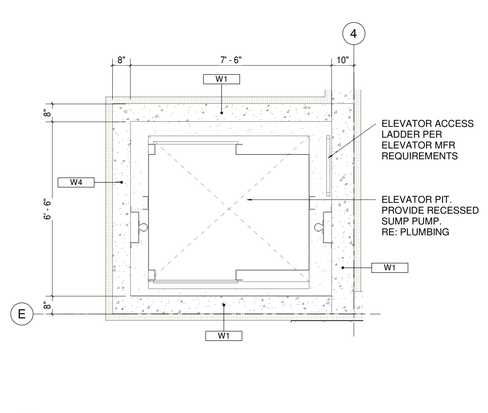
4 A411 MAIN LEVEL - ELEVATOR
3/8" = 1'-0"



3 A411 LOWER LEVEL 2 - ELEVATOR
3/8" = 1'-0"



2 A411 LOWER LEVEL 1 - ELEVATOR
3/8" = 1'-0"



1 A411 FOUNDATION ELEVATOR
3/8" = 1'-0"

STATE OF COLORADO
ERIC P. SMITH
B-1112
MAY 24, 2024
LICENSED ARCHITECT

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REVISIONS

No.	Description	Date
2	CITY COMMENTS	5/24/2024

REVIEWED FOR CODE COMPLIANCE
04/01/2025

ASTRID BUILDING
STEAMBOAT SPRINGS COLORADO

ERIC SMITH ASSOCIATES, P.C.
1919 SEVENTH STREET
BOULDER, COLORADO, 80302
(303) 442-5456, (303) 442-4745 FAX

Job Number:	22014
Date:	5/24/24
Drawn By:	ESA
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Project Phase
PERMIT

Sheet Title
ELEVATOR LAYOUTS & SECTIONS

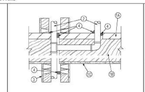
Sheet Number
A411

USG Fire Stop Systems

Penetration Fire Tests

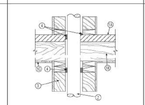
Intumescent-Type Materials

Wood Floor Assembly—UL System F-C-2181*
F Rating—1 Hr.
T Rating—1 Hr.



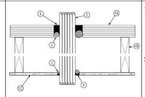
1. Floor/ceiling assembly:
   - **A** Floor system—Lumber or plywood subfloor topped with finish floor.
   - **B** Wood joists—Nom. 10" deep (or deeper) lumber, steel or combination joists or trusses.
   - **C** Ceiling system—1 layer of gypsum wallboard per UL Design.
2. Plastic pipe–Pipe with sanitary tee and drain piping. Annular space from 0" to maximum 1":
   - **A** Nom. 1-1/2" diameter (or smaller) schedule 40 (or heavier) solid or cellular-core PVC pipe. .
   - **B** Nom. 1- 1/2" diameter (or smaller) schedule 40 (or heavier) solid or cellular-core ABS pipe.
3. Chase wall–Through penetrants shall be routed through a 1-hr. fire rated gypsum wallboard chase wall:
4. Type IA—Minimum 1/2" thickness of sealant applied within annulus, flush with the top surface of the floor. Minimum 1/4" cant (45° angle) bead applied at point contact and drain pipe penetration. Minimum 1/4" material applied within annulus, flush with bottom surface of top plate.

Wood Floor Assembly—UL System F-C-2182*
F Rating—1 Hr.
T Rating—1 Hr.



1. Floor/ceiling assembly:
   - **A** Floor system—Lumber or plywood subfloor topped with finish floor.
   - **B** Wood joists—Nom. 10" deep (or deeper) lumber, steel or combination joists or trusses.
   - **C** Ceiling system—1 layer of 5/8" gypsum wallboard per UL Design.
2. Plastic pipe–Annular space from0" to maximum 1/2".
   - **A** Nom. 3" diameter (or smaller) schedule 40 or cellular-core PVC pipe for use in closed or open piping systems.
   - **B** Nom. 3" diameter (or smaller) SDR17 CPVC pipe for use in closed or open piping systems.
   - **C** Nom. 3" diameter (or smaller) Schedule 40 rigid non-metallic conduit.
3. Chase wall–Through penetrant shall be routed through a 1-hr. fire rated gypsum wallboard chase wall:
4. Type IA—Minimum 1/2" thickness of sealant applied within annulus, flush with the top surface of the floor. Minimum 1/4" cant (45° angle) bead applied at point contact. Minimum 1/4" thickness of material applied within annulus, flush with bottom surface of top plate.

Wood Floor Assembly—UL System F-C-3054*
F Rating—1 Hr.
T Rating—3/4 Hr.



1. Floor/ceiling assembly:
   - **A** Floor system—5/8" thick plywood/2" x 4" continuous wood decking.
   - **B** Trusses—2" x 4" lumber in conjunction with galv. steel plates or 2" x 10" wood floor joist.
   - **C** Ceiling system—1 layer of gypsum wallboard per UL Design.
2. Cables—The following types and sizes of cable may be used:
   - **A** Maximum three-conductor with ground No. 10 AWG (or smaller) PVC insulation and jacket; nom. 21% fill.
   - **B** Maximum 100-pair No. 24 AWG (or smaller) PVC insulation and jacket; nom. 15% fill.
   - **C** Maximum 7/C No. 12 AWG copper conductor control cables. The annular space shall be 1/2".
3. Forming material (optional)—Foam backer rod firmly packed into opening as a permanent form.
4. Type IA—Minimum 1/2" thickness of sealant applied within annulus, flush with the top surface of the floor and bottom of ceiling assembly.

*Refer to the UL Fire Resistance Directory for Through-Penetration Firestop Systems or contact U.S. Gypsum Company for complete information.

GA FILE NO. WP 4136 | **GENERIC** | **2 HOUR FIRE** | **40 to 44 STC SOUND**

GYPSUM WALLBOARD, WOOD STUDS

Base layer 5/8" type X gypsum wallboard or veneer base applied parallel or at right angles to each side of 2 x 4 wood studs 16" o.c. with 1¼" Type W drywall screws 12" o.c. **Face** layer 5/8" type X gypsum wallboard or veneer base applied parallel or at right angles to each side with 1⅞" Type W drywall screws 12" o.c. and offset 6" from screws in base layer.

Joints staggered 16" each layer and side. **(LOAD-BEARING)**

Thickness: 6⅛"
Approx. Weight: 12 psf
Fire Test: SWRI 01-5920-614, 12-5-94
Sound Test: See WP 4135 (NGC 2363, 4-1-70)

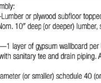
GA FILE NO. WP 3242 | **GENERIC** | **1 HOUR FIRE** | **50 to 54 STC SOUND**

GYPSUM WALLBOARD, RESILIENT CHANNELS, MINERAL OR GLASS FIBER INSULATION, WOOD STUDS

Resilient channels 16" o.c. attached at right angles to ONE SIDE of 2 x 4 wood studs 16" or 24" o.c. with 1¼" Type S drywall screws. One layer 4/4" type X gypsum wallboard or gypsum veneer base applied at right angles to channels with 1" Type S drywall screws 8" o.c. with vertical joints located midway between studs. End joints backblocked with resilient channels. 3" mineral or glass fiber insulation in stud space.

OPPOSITE SIDE: One layer 4/4" type X gypsum wallboard or gypsum veneer base applied at parallel or at right angles to studs with 6d cement coated nails, 1⅞/4" long, 0.0915" shank, 9/64" heads, 7" o.c.

Vertical joints staggered 24" on opposite sides. Sound tested with studs spaced 24" o.c. (STC=50). Also sound tested with studs spaced 16" o.c. and with two layers of 4/4" type X gypsum board on the resilient channel side (STC=50). **(LOAD-BEARING)**



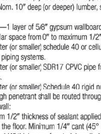
Thickness: 5⅝"
Approx. Weight: 7 psf
Fire Test: Based on UL R14196, 05NK05371, 2-15-05, UL Design U305
Sound Test: NRCC TL93-103, 3-98 NRCC TL93-118, 3-98

GA FILE NO. WP 3820 | **GENERIC** | **2 HOUR FIRE** | ~~55 to 59 STC SOUND~~

GYPSUM WALLBOARD, WOOD STUDS

Base layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to each side of double row of 2 x 4 wood studs 16" o.c. on separate plates 1" apart with 6d coated nails, 17/8" long, 0.085" shank, 1/4" heads, 24" o.c. **Face** layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to each side with 8d coated nails, 2⅜" long, 0.100" shank, 1/4" heads, 8" o.c.

Joints staggered 16" each layer and side. Sound tested with 3½" glass fiber insulation stapled to studs in stud spaces on one side and with nails for base layer spaced 6" o.c. Horizontal bracing required at mid-height. **(LOAD-BEARING)**



Thickness: 10⅜"
Approx. Weight: 13 psf
Fire Test: See WP 4135 (FM WP 360, 9-27-74)
Sound Test: NGC 3056, 4-7-70

STC 67 - SOUND TEST BASED ON NRC TL-93-269

EXTERIOR WALLS

GA FILE NO. WP 8418 | **GENERIC** | **2 HOUR FIRE**

GYPSUM SHEATHING, GYPSUM WALLBOARD, WOOD STUDS

EXTERIOR SIDE: **Base** layer 5/8" type X gypsum sheathing applied parallel or at right angles to 2 x 4 wood studs 16" o.c. with 1¼" Type W drywall screws 12" o.c. **Face** layer 5/8" type X gypsum sheathing applied parallel or at right angles to studs with 1⅞" Type W drywall screws 12" o.c. and offset 6" from screws in base layer. Exterior cladding attached through sheathing to studs.

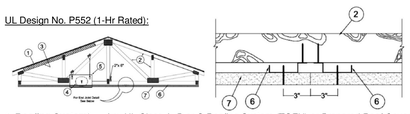
INTERIOR SIDE: **Base** layer 5/8" type X gypsum wallboard or veneer base applied parallel or at right angles to studs with 1¼" Type W drywall screws 12" o.c. **Face** layer 5/8" type X gypsum wallboard or veneer base applied parallel or at right angles to studs with 1⅞" Type W drywall screws 12" o.c. and offset 6" from screws in base layer.

Joints staggered 16" each layer and side. **(LOAD-BEARING)**

STRUCTURAL SHEATHING:
STURCTURAL SHEATHING APPLIED TO ONE OR BOTH SIDE OF STUDS PER GA600 #23. LENGTH OF FASTNERS TO BE INCREASED BY NOT LESS THAN THE THICKNESS OF THE PANEL.

Thickness: 6⅛" without exterior cladding
Approx. Weight: 12 psf
Fire Test: See WP 4136 (SWRI 01-5920-614, 12-5-94)

UL Design No. P552 (1-Hr Rated):



1. Roofing System* — Any UL Class A, B or C Roofing System (TGFU) or Prepared Roof Covering (TFWZ) acceptable for use over nom 15/32 in. thick wood structural panels, min. grade "C-D" or "Sheathing". Nom 15/32 in. thick wood structural panels secured to trusses with No. 6d ringed shank nails. Nails spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails. Construction adhesive is optional.

2. Trusses — Pitch or Parallel chord trusses, spaced a max of 24 in. OC, fabricated from nom 2 by 4 lumber, with lumber oriented vertically or horizontally. Truss members secured together min.0.0356 in. thick galv steel plates. Plates have 5/16 in. long teeth projecting perpendicular to the plane of the plate. The teeth are in pairs facing each other (made by the same punch), forming a split tooth type plate. Each tooth has a chisel point on its outside edge. These points are diagonally opposite each other for each pair. The top half of each tooth has a twist for stiffness. The pairs are repeated on approximately 7/8 in. centers with four rows of teeth per inch of plate width. Minimum parallel chord truss depth shall be 18 in. Where pitched truss intersects with the interior face of the exterior walls, the min truss depth shall be 5-1/4 in. with a min roof slope of 3/12 and a min. average depth of 18 in.. Where the truss intersects with the interior face of the exterior walls, the min truss depth may be reduced to 3 in. if the batts and blankets (Item 3) are used as shown in the above illustration (Alternate Insulation Placement) and are firmly packed against the intersection of the bottom chords and the plywood sheathing.

3. Batts and Blankets* — Glass fiber insulation, secured to the wood structural panels with staples spaced 12 in. OC or to the trusses with 0.090 in. diameter galvanized steel wires spaced 12 in. OC. Any glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance, having a min density of 0.5 pcf. As an option, the insulation may be fitted in the concealed space, draped over the resilient channel/gypsum wallboard ceiling membrane when resilient channels and gypsum wallboard attachment is modified as specified in Items 6 and 7. The Finish Rating is 25 min. when the insulation is draped over the resilient channels and gypsum board ceiling membrane or when it is installed on underside of the plywood deck. When Item 7A is used, insulation shall be secured to wood structural panels or trusses only.

3B. Foamed Plastic* — (As alternate to Items 3 or 3A Not Shown) — Spray foam insulation applied directly to the underside of the roofing system (Item 1). Spray foam insulation installed to a maximum thickness of 10 in. at a nominal 0.5 lb/ft3 or 2.0 lb/ft3 density, depending on the product installed. When spray foam insulation is installed, resilient channels (Item 6) shall be installed maximum 12 in. OC, with channels adjacent to butt joints of gypsum board (Item 7) spaced maximum 3 in. away from gypsum butt joints. Gypsum board (Item 7) to be installed using minimum 1-1/4 in. long Type S screws, spaced maximum 8 in. OC, and butted end joints shall be staggered min. 2 ft within the assembly, and occur midway between the continuous furring channels. If used with a fire damper (Item 5) in the concealed space, minimum 1 in. clearance to be maintained between damper housing and spray foam insulation.

BASF CORP — Spraytite® 178, Spraytite® 81206.

SPRAY FOAM SUBSTITUTION: BASED ON CURRENT COLORADO STATE LAW, THE USE OF THE BASF SPRAYTITE 178 / 81206 SPRAY FOAM INSULATION IS ILLEGAL DUE TO IT'S USE OF A HFC BLOWING AGENT. ROUTT COUNTY (VIA EMAIL FROM TODD CRAIG WITH ROUTT COUNTY TO ETIENNE MILLER WITH ESA 2023-09-13) HAS APPROVED THE USE OF THE HUNTSMAN BUILDING SOLUTIONS HEATLOK HFO HIGH LIFT CLOSED CELL SPRAY FOAM INSULATION.WITHIN THE REFERENCED FIRE RATED UL ROOF/CEILING ASSEMBLY. THE HEATLOK SPRAY FOAM INSULATION SHALL BE INSTALLED IN STRICT CONFORMANCE WITH THE MANUFACTURER'S SPECIFICATIONS & WARRANTY, REFERENCED ESR REPORT, THESE CONSTRUCTION DRAWINGS AND CODE / REGULATIONS AS SPECIFIED BY ANY AND ALL GOVERNING AGENCIES THAT HAVE JURISDICTION OVER THIS PROJECT, WHICHEVER IS MORE STRINGENT.

HUNTSMAN BUILDING SOLUTIONS — Type Heatlok HFO High Lift

4. Air Duct* — For use with Ceiling Damper* - Any UL Class 0 or Class 1 flexible air duct installed in accordance with the instructions provided by the damper manufacturer.

5. Ceiling Damper* — Max nom 20 in. long by 18 in. wide by 2-1/8 in. high, fabricated from galvanized steel. Plenum box maximum size nom. 21 in. long by 18 in. wide by 16 in. high fabricated from either galvanized steel or Classified Air Duct Materials bearing the UL Class 0 or Class 1 rigid air duct material. Installed in accordance with the instructions provided by the manufacturer. Max damper openings not to exceed 180 sq in. per 100 sq ft of ceiling area. When Steel Framing Members* (Item 9) is used, Max damper openings not to exceed 100 sq in. per 100 sq ft of ceiling area.

NAILOR INDUSTRIES INC — Types 0755, 0755A, 0756, 0756D , 0757, 0757D, 0757FP, 0757DFP, 0758, 0759, 0760, 0761, 0762, 0763, CRD5, CRD5D, CRD6, CRD6D, CRD6FP, CRD6DFP.

SAFE AIR DOWCO — 0455, 0455A, 0456, 0456D, 0457, 0457D, 0457-DB, 0457-CB, 0463-FB, 0457-EB, 0463-GB, 0463

6. Furring Channels — Resilient channels, nom. 1/2 in. deep by 2-3/8 in. wide at the base and 1-3/8 in. wide at the face, formed from 0.020 in. thick galv steel, spaced 16 in. OC, installed perpendicular to trusses. When batt and blanket material, Item 3, is draped over the resilient channel/gypsum wallboard ceiling membrane, the spacing shall be 12 in. OC. Channels secured to each truss with 1-1/4 in. long Type S steel screws. Channels overlapped 4 in. at splices. Channels oriented opposite at wallboard butt joints (spaced 6 in. OC) as shown in the above illustration.

7. Gypsum Board* — Nom 5/8 in. thick, 48 in. wide, installed with long dimension perpendicular to resilient channels with 1 in. long Type S screws. Screws spaced 1/2 in. and 6 in from the side joints, and 12 in. OC in the rest of the field. Screws spaced 3 in from the end joints. At end joints, two resilient channels are used, extending a min of 6 in. beyond both ends of the joint. When batt and blanket insulation, Item 3, is draped over the resilient channel/gypsum wallboard ceiling membrane, screws spaced 1/2 in and 4 in. from side joints, and 8 in OC in the rest of the field. When Steel Framing Members* (Item 9) is used, gypsum board installed with long dimension perpendicular to cross tees with side joints centered along main runners and end joints centered along cross tees. Gypsum board secured to cross tees with 1 in. long No. 7 Type S bugle head screws spaced 12 in. OC in the field and 8 in. OC along end joints. Gypsum board also secured to main runners with 1 in. long No. 7 Type S bugle head screws midway between cross tees. Screws along sides and ends of boards spaced 3/4 to 1/2 in. from board edge. End joints of the sheets shall be staggered with spacing between joints on adjacent boards not less than 4 ft OC.

GEORGIA-PACIFIC GYPSUM L L C — Type 5, TG-C

7A. Gypsum Board* — As an alternate to Item 7 — Nom 5/8 in. thick, 48 in. wide, installed with long dimension perpendicular to resilient channels with 1 in. long Type S screws. Screws spaced 1/2 in. and 6 in from the side joints, and 12 in. OC in the rest of the field. Screws spaced 3 in from the end joints. At end joints, two resilient channels are used, extending a min of 6 in. beyond both ends of the joint. Batt insulation (Item 3) shall be secured to wood structural panels or trusses. Not evaluated when batt insulation (Item 3) is draped over resilient channels and gypsum board.

GEORGIA-PACIFIC GYPSUM L L C — Type DAPC

8. Finishing System — (Not Shown)— Vinyl, dry or premixed joint compound, applied in two coats to joints and screw-heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nom 3/32 in. thick veneer plaster may be applied to the entire surface of gypsum wallboard.

10. Netting — (Not Shown) Fibrous, woven netting material fastened to underside of each joist with staples, with side joints overlapped.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

ESA Note: The system above is taken from the Underwriters Laboratories, Inc. (UL) Product iQ (https://iq.ulprospector.com/en). See the UL Product iQ or published directory for the complete assembly (which is not shown in it's entirety above) and the design information section ANSI/UL 263 (BXUV).

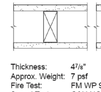
GA FILE NO. WP 3520 | **GENERIC** | **1 HOUR FIRE** | **35 to 39 STC SOUND**

GYPSUM WALLBOARD, WOOD STUDS

One layer 5/8" type X plain or predecorated gypsum wallboard applied parallel to each side of 2 x 4 wood studs 24" o.c. with 6d coated nails, 17/8" long, 0.0915" shank, 1/4" heads, 7" o.c. at joints and top and bottom plates and 3/4" heads of adhesive at intermediate studs.

Joints staggered 24" on opposite sides. **(LOAD-BEARING)**

STRUCTURAL SHEATHING:
STURCTURAL SHEATHING APPLIED TO ONE OR BOTH SIDE OF STUDS PER GA600 #23. LENGTH OF FASTNERS TO BE INCREASED BY NOT LESS THAN THE THICKNESS OF THE PANEL.

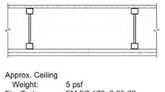


Thickness: 4⅛"
Approx. Weight: 7 psf
Fire Test: FM WP 90, 8-21-67
Sound Test: G&H NG-246FT, 7-2-65

GA FILE NO. FC 5407 | **GENERIC** | **1 HOUR FIRE** | **35 to 39 STC SOUND**

WOOD I-JOISTS, GYPSUM WALLBOARD

Base layer 5/8" type X gypsum wallboard applied at right angles to wood I-joists 24" o.c. with 1¼" Type W or S drywall screws 24" o.c. **Face** layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to I-joists with 1⅞" Type W or S drywall screws 12" o.c. at joints and intermediate I-joists and 1⅞" Type G drywall screws 12" o.c. placed 2" back on either side of end joints. Joints offset 24" from base layer joints. Wood I-joists supporting 1/2" wood structural panels applied at right angles to joists with 8d nails. **Ceiling provides one hour fire resistance protection for I-joists.**



Approx. Ceiling Weight: 5 psf
Fire Test: FM FC 172, 2-25-72; ITS, 8-8-98
Sound Test: Estimated

FIRST LEVEL / CRAWL SPACE:
2021 IBC SECTION 711.2.6 UNUSABLE SPACE: IN 1-HOUR FIRE-RESISTANCE-RATED FLOOR./CEILING ASSEMBLIES, THE CEILING MEMBRANE IS NOT REQUIRED TO BE INSTALLED OVER UNUSABLE CRAWL SPACE.

TABLE 721.1(3) MINIMUM PROTECTION FOR FLOOR AND ROOF SYSTEMS[a, q]

FLOOR OR ROOF CONSTRUCTION	ITEM NUMBER	CEILING CONSTRUCTION	THICKNESS OF FLOOR OR ROOF SLAB (inches)				MINIMUM THICKNESS OF CEILING (inches)			
			4 hours	3 hours	2 hours	1 hour	4 hours	3 hours	2 hours	1 hour
13. Double wood floor over wood joists spaced 16" on center.[m, n]	13-1.4	1/2" Type X gypsum wallboard[f] nailed to joists with 5d cooler[d] or wallboard[f] nails at 6" on center. End joints of wallboard centered on joists.	—	—	—	—	—	—	—	1/2

Supports — 8x28 min size steel beams. Or steel joists or joist girders (not shown), composite or noncomposite. Welded or bolted to end supports. Designed per S.J.I. specifications for a max tensile stress of 30 ksi. May be either uncoated or provided with a shop coat of paint. For the 2 h or less Restrained or Unrestrained Beam Ratings, top and bottom chords shall each consist of two angles with a min total area of 0.96 and 0.77 sq in., respectively. Web members shall be either round bars or angles. Min area of the end diagonal web shall be 0.444 sq in. Min area of each of the first six interior diagonal webs shall be 0.406 sq in. All other interior webs shall have a min area of 0.196 sq in. For the 3 h Restrained or Unrestrained Beam Ratings, each of the top and bottom chords shall each consist of two angles with a min total area of 1.74 sq in. Web members shall be either round bars or angles. Min area of each of the first five end diagonal webs shall be 0.886 sq in. All other interior webs shall have a min area of 0.441 sq in. Bridging per S.J.I. specifications is required when noncomposite joists are used. For noncomposite joists, steel filler pieces of proper size, 1 to 2 in. long shall be welded to and between the top chord angles at midway between all top chord panel points.

1. **Normal Weight or Lightweight Concrete —** Normal weight concrete carbonate or siliceous aggregate, 3500 psi compressive strength, vibrated. Lightweight concrete, expanded shale, or slate aggregate by rotary-kiln method, or expanded clay aggregate by rotary-kiln or sintered-grate method, 3000 psi compressive strength, vibrated, 4 to 7 percent entrained air.

Restrained Assembly Rating Hr	Concrete (Type)	Concrete Unit Weight pcf	Concrete Thkns In.
1	Lightweight	107-120	2-5/8
2	Lightweight	114-120	3-1/2

2. **Welded Wire Fabric —** 6 x 6, 10 x 10 SWG.

3. **Steel Floor and Form Units* —** Composite 1-1/2, 1-5/8, 2 or 3 in. deep galv units or 4-1/2 in. deep noncomposite galvanized units. Fluted units may be uncoated or phosphatized/painted. Min gauges are 22 MSG for fluted and 20/20 MSG for cellular units. The following combinations of units may be used:
(1) all 18, 24, 26, 28 or 36 in. wide cellular.
(2) all fluted.
(3) one or two 3 in. deep, 12 in. wide, 18/18 MSG min cellular units, alternating with 3 in. deep fluted or other cellular.
(4) any blend of fluted and 18, 24, 26, 28, or 36 in. wide cellular.
(5) 3 in. deep, 30 in. wide cellular with 8-1/8 in. wide valley along side joints may be used when 3/8 in. diam reinforcing bars are placed 1-1/2 in. to each side of side joints and 1 in. above bottom of unit.
(6) Corrugated, 1-5/16 in. deep, 30 in. wide, 24 MSG min galv units with shear wires factory welded to deck corrugations. Welded to supports 12 in. OC. through welding washers. For shear wire spacing of 8 in. or less the steel deck stress shall not exceed 20 KSI. For shear wire spacing greater than 8 in. OC. but less than or equal to 12 in. OC., steel deck stress shall not exceed 12 KSI.

VULCRAFT, DIV OF NUCOR CORP — 24, 30 or 36 in. wide, Types 1.5VL, 1.5VLI, 1.5VLP, 1.5VLR; 24 or 36 in. wide, Types 1.5VLPA, 2VLI, 3VLI, 2VLP, 3VLP, 2VLPA, 3VLPA. Side joints of Type 1.5VL may be fastened together with min 1 in. long No. 12x14 self-drilling, self-tapping steel screws 36 in. OC max.

Spacing of welds attaching units to supports shall be 12 in. OC for 12, 24, and 36 in. wide units, four welds per sheet for 30 in. wide units, 6 in. OC for 18 in. wide and Sec. 12 units. Unless noted otherwise, adjacent units button-punched or welded together 36 in. OC along side joints. Adjacent 18 in. wide units welded together 30 in. OC along side joints.

When a superimposed load of 250 PSF is desired the spacing of welds or button-punches shall not exceed 24 in. OC along side joints.

+12 in. wide, 1-1/2 in. deep Mac-Way units may be blended with 24 in. wide B2C or 30 in. wide B3C units in a blend of one cell to one or more fluted units. 12 in. wide, 2 in. deep Mac-Way units may be blended with 36 in. wide Mac-Lock 2 units in a blend of one cell to one or more fluted units. 12 in. wide, 3 in. deep Mac-Way units may be blended with 36 in. wide Mac-Lock3 units in a blend of one cell to one or more fluted units. The side edge of the fluted unit is placed on the top of the side edge of the Mac-Way unit and the two are welded together with welding washers spaced a max. of 32 in. OC for Mac-Lock 2 or 3 units and a max. of 24 in. OC for the B2C or B3C units.

The Unrestrained Assembly Rating is equal to the Unrestrained Beam Rating for a max of 3 Hr. and is limited to the following units and limitations:
(a) 1-1/2 in. deep, 24 in. wide, 22 MSG or thicker fluted with clear spans not more than 7 ft 8 in.
(b) 1-1/2 in. deep, 24 in. wide, 20 MSG or thicker fluted with clear spans not more than 8 ft 8 in.
(c) 1-1/2 in. deep, 24 in. wide, 16 MSG or thicker fluted and 18/18 MSG or thicker cellular with clear spans not more than 9 ft 11 in.
(d) 3 in. deep, 36 in. wide, 18 MSG or thicker fluted and 24 in. wide, 20/18 MSG or thicker cellular with clear spans not more than 13 ft 2 in.

4. **Spray-Applied Fire Resistive Materials* —** Applied by mixing with water and spraying in one or more coats to a final thickness as shown in the tables below, in the tables below to steel beam surfaces which must be clean and free of dirt, loose scale and oil. Min avg and min ind density of 15/14 pcf respectively. Min avg and min ind density of 19/18 pcf respectively for Type 7GP and 7HD. For method of density determination, refer to Design Information Section.

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	UnrestrainedBeam Rating Hr	Spray Applied Fire Resistive Mtl Thkns on Beam In.
1	1	1	1/2
2	2	2	1-1/16

ARABIAN VERMICULITE INDUSTRIES — Type MK-5.
W R GRACE & CO - CONN — Types MK-4, MK-5, MK-6/HY, MK-6s, RG, Monokote Acoustic 1.
GRACE KOREA INC — Types MK-6/CBF, MK-6/ED, MK-6/HY, MK-6s, Monokote Acoustic 1.
PYROK INC — Type LD.
SOUTHWEST FIREPROOFING PRODUCTS CO — Types 4, 5, 5EF, 5GP, 5MD, 7GP, 7HD, 8EF, 8GP, 8MD, 9EF, 9GP, 9MD.

5. **Shear-Connector Studs — Optional —** Studs 3/4 in. diam by 3 in. long, for 1-1/2 in. deep form units to 5-1/4 in. long for 3 in. deep form units, headed type or equivalent per AISC specifications. Welded to the top flange of the beam through the steel form units.

6. **Electrical Inserts —** (Not shown) Classified as **"Outlet Boxes and Fittings Classified for Fire Resistance."**
CENTRIA — Preset Inserts

*Bearing the UL Classification Mark

NOTE: THE SYSTEM SHOWN ABOVE IS TAKEN FROM THE UNDERWRITERS LABORATORIES, INC. (UL) ULTIMATE FIRE RESISTANCE DESIGN WIZARD (http://database.ul.com/cgi-bin/ulweb/LISEXT/1FRAME/FireResistanceWizard.html). SEE THE UL DESIGN WIZARD OR PUBLISHED DIRECTORY FOR THE COMPLETE ASSEMBLY (WHICH IS NOT SHOWN IN IT'S ENTIRETY ABOVE) AND THE DESIGN INFORMATION SECTION ANSI/UL 263 (BXUV).

Design No. U344

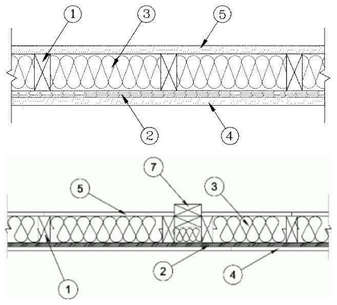
October 07, 2020

Bearing Wall Rating — 1 Hr.

Finish Rating — 26 Min.

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. **Wood Studs —** Nom 2 by 4 in. spaced 24 in. OC, laterally braced, and effectively fire stopped at top and bottom.

2. **Wood Structural Panel Sheathing —** Nom 15/32 in. thick, 4 ft wide APA Rated Sheathing 32/16. Exposure 1, plywood or oriented strand board (OSB) per PS1, PS2 or APA Standard PRP-108. Installed with long dimension of sheet (strength axis) or face grain of plywood, parallel with studs. Vertical joints centered on studs, and staggered one stud space from wallboard joints. Horizontal joints backed with nom 2 by 4 in. wood backing. Attached to studs on exterior side of wall with 6d cement coated steel box nails spaced 12 in. OC along interior studs and 6 in. OC at perimeter of panels.

3. **Batts and Blankets*** — 3-1/2 in. thick foil-faced glass fiber batts. Supplied in rolls 23 in. wide. Density to be nom 0.70 pcf. Friction-fitted to completely fill the stud cavity.

See **Batts and Blankets*** (BZJZ) category for names of Classified Companies.

3A. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 3) — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product with a nominal dry density of 2.7 lb/ft³. Alternate Application Method: The fiber is applied without water or adhesive at a nominal dry density of 3.5 lb/ft³, in accordance with the application instructions supplied with the product.

U S GREENFIBER L L C — INS735, INS745 and INS750LD for use with wet or dry application. INS515LD, INS541LD, INS735, INS765LD, and INS773LD are to be used for dry application only.

3B. **Fiber, Sprayed* —** As an alternate to Item 3 and 3A — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 4.58 lb/ft³.

NU-WOOL CO INC — Cellulose Insulation

3C. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 3) - Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lbs/ft³.

INTERNATIONAL CELLULOSE CORP — Celbar-RL

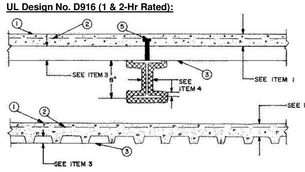
4. **Gypsum Board* —** 5/8 in. thick, 4 ft wide, applied horizontally or vertically. Attached to studs through plywood sheathing with 8d cement coated nails 2-3/8 in. long, 0.113 in. shank diam, 9/32 in. diam head nails spaced 7 in. OC along studs and at perimeter of panels. When used in widths other than 48 in., wallboard is to be installed horizontally. Joints exposed or covered with tape and compound.

Steel Framing Members* (Items 6 or any alternate clips) is used, gypsum panels attached to furring channels with 1 in. long Type S bugle-head steel screws spaced 12 in. OC.

AMERICAN GYPSUM CO — Types AGX-1, M-Glass, AG-C, LightRoc.

CABOT MANUFACTURING ULC — 5/8 Type X, Type Blueglass Exterior Sheathing

UL Design No. D916 (1 & 2-Hr Rated):



REVIEWED FOR CODE COMPLIANCE
04/01/2025

STATE OF COLORADO
ERIC P. SMITH
B-1112
REGISTERED ARCHITECT
MAY 24, 2024

NOTICE: DUTY OF COOPERATION

Release of these plans contemplates further cooperation among the owner, his contractor and the architect. Design and construction are complex. Although the architect and his consultants have performed their services with due care and diligence, they cannot guarantee perfection. Communication is imperfect and every contingency cannot be anticipated. Any ambiguity or discrepancy discovered by the use of these plans shall be reported immediately to the architect. Failure to notify the architect compounds misunderstanding and increases construction costs. A failure to cooperate by a simple notice to the architect shall relieve the architect from responsibility for the consequences. Changes made from the plans without consent of the architect are unauthorized and shall relieve the architect of responsibility for all consequences arriving out of such changes.

REVISIONS

No.	Description	Date
1	CITY COMMENTS	5/10/2024

ASTRID BUILDING 7
STEAMBOAT SPRINGS COLORADO

ERIC SMITH ASSOCIATES, P.C.
1919 SEVENTH STREET
BOULDER, COLORADO, 80302
(303) 442-5456, (303) 442-4745 FAX

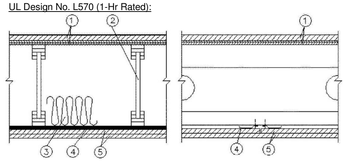
Job Number:	22014
Date:	5/24/24
Drawn By:	ESA
Checked By:	ESA

Project Phase
PERMIT

Sheet Title
FIRE RATED DETAILS

Sheet Number
A501

UL Design No. L570 (1-Hr Rated):



1. Flooring System:(System 2)
Subflooring — Nom 19/32 in. thick wood structural panels installed perpendicular to the joists with end joints staggered. Plywood or panels secured to joists with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each joist. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.

Vapor Barrier — (Optional) - Nom 0.010 in. thick commercial asphalt saturated felt.

Floor Mat Materials* — (Optional) - Floor mat material loose laid over the subfloor. Refer to manufacturer's instructions regarding the minimum thickness of floor topping over each floor mat material.

UNITED STATES GYPSUM CO — Types SAM, LEVELROCK® Brand Sound Reduction Board, LEVELROCK® Brand Floor Underlayment SRM-25

Finish Flooring - Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1800 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.

UNITED STATES GYPSUM CO — Types LRK, HSLRK, CSD

2. Structural Wood Members* — Min 9-1/2 in. deep "I" shaped wood joists spaced at a max of 19.2 in. OC. Joists shall conform to ICC-ES ESR-1153 Report. Joist top and bottom chords minimum 1-3/8 in. deep by 2.3 in. wide and constructed of either Microllam laminated veneer lumber (LVL) or TimberStrand laminated strand lumber (LSL). Webs constructed of minimum 3/8 in. thick Performance Plus OSB, PS2, Exposure 1. Installation shall be in accordance with manufacturers published literature. Spacing may be increased to 24 in. OC when Batts and Blankets* (Item 3B) is used.

3B. Insulation - Batts and Blankets* — Min. 1 in. thick glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance draped over the resilient channel/gypsum panel (or Steel Framing Members/gypsum panel) ceiling membrane.

4B. Steel Framing Members — (Not Shown) — As an alternate to Items 4 and 4A, furring channels and Steel Framing Members as described below.

a. Furring Channels — Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC, perpendicular to joists. When insulation, Items 3, 3A, or 3B is used, the furring channel spacing shall be reduced as described in Item 4. Channels secured to joists as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap.

b. Steel Framing Members* — Used to attach furring channels (Item a) to the wood joists (Item 2). When wood joists are spaced 19.2 in. OC, clips spaced a max of 38.4 in. OC. When wood joists are spaced 16 or 24 in. OC, clips spaced a max of 48 in. OC. RSIC-1 and RSIC-1 (2.75) clips secured to alternating joists with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. RSIC-V and RSIC-V (2.75) clips secured to alternating joists with No. 8 x 1-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips. RSIC-1 and RSIC-V clips for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) and RSIC-V (2.75) clips for use with 2-23/32 in. wide furring channels. Adjoining channels are overlapped as described in Item a. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping No. 6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Additional clips required to hold furring channel that supports the wallboard butt joints, as described in Item 5.

PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-V, RSIC-1 (2.75), RSIC-V (2.75)

5. Gypsum Board* — Two layers of 1/2 in. or 5/8 in. thick by 4 ft wide gypsum panels, installed perpendicular to resilient channels (Item 4). The base layer of panels screw-attached to the resilient channels with 1 in. long Type S screws spaced 8 in. OC at the butt joints and 16 in. OC in the field of the panel. The face layer screw-attached to the resilient channels with 1-5/8 in. Type S screws spaced 8 in. OC and 1-1/2 in. Type G screws spaced 8 in. OC at the butt joints located mid-span between resilient channels.

When Steel Framing Members (Items 4B and 4M) are used, panels installed with long dimension parallel with joists. Base layer attached to the furring channels using 1 in. long Type S bugle-head steel screws spaced 8 in. OC along butted end joints and 12 in. OC in the field of the panels. Butted end joints shall be staggered min. 2 ft. within the assembly, and occur midway between the continuous furring channels. Each end of the gypsum panels shall be supported by a single length of furring channel equal to the width of the panel plus 6 in. on each end. The furring channels shall be spaced approximately 3-1/2 in. OC, and be attached to underside of the joist with one RSIC-1 clip at each end of the channel. Butted base layer end joints to be offset a minimum of 24 in. in adjacent courses. Outer layer attached to the furring channels using 1-5/8 in. long Type S bugle-head steel screws spaced 8 in. OC at butted joints and 12 in. OC in the field. Butted end joints to be offset min 12 in. from base layer end joints. Butted side joints of outer layer to be offset min 12 in. from butted side joints of base layer.

CGC INC — 1/2 in. Type C, IP-X2, IPC-AR; 5/8 in. Type C, IP-X2, ULIX. When there is no insulation in the cavity, or when insulation (Item 3) is secured to the underside of the subfloor 5/8 in. Type SCX or IP-X1 may be used

UNITED STATES GYPSUM CO — 1/2 in. Type C, IP-X2, IPC-AR; 5/8 in. Type C, IP-X2, ULIX. When there is no insulation in the cavity, or when insulation (Item 3) is secured to the underside of the subfloor 5/8 in. Type SCX, or IP-X1 may be used

USG BORAL DRYWALL SFZ LLC — 1/2 in. Type C; 5/8 in. Type C. When there is no insulation in the cavity, or when insulation (Item 3) is secured to the underside of the subfloor 5/8 in. Type SCX may be used

6. Finishing System — Fiber tape embedded in compound over joints and exposed nail heads, covered with compound with edges of compound feathered out. As an alternate, nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of classified veneer baseboard. Joints reinforced.

*Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

ESA Note: The system above is taken from the Underwriters Laboratories, Inc. (UL) Product iQ (https://iq.ulprospector.com/en). See the UL Product iQ or published directory for the complete assembly (which is not shown in it's entirety above) and the design information section ANSI/UL 263 (BXUV).

62 STC / 58 IIC PER SOUND TEST ASSEMBLIES RAL-TL-81-87 / RAL-0T03-05/06

GA FILE NO. BM 1137	PROPRIETARY*	1 HOUR FIRE

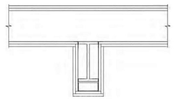
STEEL FRAME, GYPSUM WALLBOARD

Base layer ½" proprietary type X gypsum wallboard applied to beam cage with 1" Type S-12 drywall screws 12" o.c. **Face** layer ½" proprietary type X gypsum wallboard applied to beam cage with 1⅛" Type S-12 drywall screws 12" o.c. Joints offset from base layer joints.

Beam cage fabricated from 24 ga 7/8" x 1⅛" steel angles screw attached to steel joists at beam top flange and 25 ga 2½" steel runners hooked over beam lower flange and supporting 1⅛" steel studs 24" o.c. Minimum beam size W8x15. **(One hour unrestrained beam.)**

PROPRIETARY GYPSUM BOARD

American Gypsum Company LLC	-	½" FireBloc® Type C
CertainTeed Gypsum Inc.	-	½" CertainTeed® Type C Gypsum Board
Georgia Pacific Gypsum LLC	-	½" ToughRock® Fireguard C® Gypsum Board
Lafarge North America Inc.	-	½" Firecheck® Type C
National Gypsum Company	-	½" Gold Bond® Brand FIRE SHIELD C™ Gypsum Board
PABCO Gypsum	-	½" FLAME CURB® Super 'C'™
Temple-Inland	-	½" TG-C
United States Gypsum Company	-	½" SHEETROCK® Brand FIRECODE® C Core Gypsum Panels



Fire Test: UL R1319-133, 7-16-75; Based on UL R3660-7 & -8, 11-12-87; UL Design L524

GA FILE NO. CM 1451	GENERIC	1 HOUR FIRE

GYPSUM WALLBOARD, STEEL COLUMN COVER

Base layer 1½" type X gypsum wallboard applied around TS4x4x0.188 tube steel column and held in place with paper masking tape. **Second** layer either 24 ga galvanized steel column cover consisting of two L-shaped sections with snap-lock sheet steel joints or 22 ga galvanized steel column covers consisting of two L-shaped sections with lap joints fastened with No. 8x½" sheet metal screws 12" o.c. **Face** layer ½" type X gypsum wallboard applied without horizontal joints to column cover with 1" Type S drywall screws 8" o.c. spaced 1" from vertical edges. Metal cornerbead applied to all corners with 1" Type S drywall screws 12" o.c. in each flange.

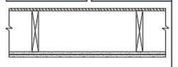
Fire Test: UL NC505-(1-6), 71NK2639, 12-23-75; UL NC505, 77NK1518; UL Design X526

FLOOR-CEILING SYSTEMS, WOOD-FRAMED

GA FILE NO. FC 5406	GENERIC	1 HOUR FIRE	35 to 39 STC SOUND

WOOD JOISTS, GYPSUM WALLBOARD

Base layer ⅝" type X gypsum wallboard applied at right angles to 2 x 10 wood joists 24" o.c. with 1¼" Type W or S drywall screws 24" o.c. **Face** layer ⅝" type X gypsum wallboard or gypsum veneer base applied at right angles to joists with 1⅞" Type W or S drywall screws 12" o.c. at joints and intermediate joists and 1½" Type G drywall screws 12" o.c. placed 2" back on either side of end joints. Joints offset 24" from base layer joints. Wood joists supporting ⅓" plywood with exterior glue applied at right angles to joists with 8d nails. **Ceiling provides one hour fire resistance protection for framing, including trusses.**



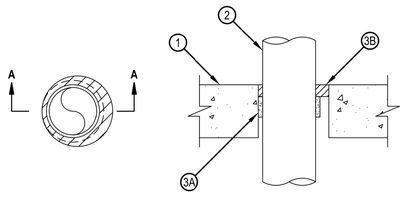
Approx. Ceiling Weight: 5 psf
Fire Test: FM FC 172, 2-25-72; ITS, 8-9-98
Sound Test: Estimated

CLASSIFIED — Classified by Underwriters Laboratories, Inc. to UL 1479

System No. C-AJ-2565

F Rating - 2 Hr
T Rating - 0 Hr
W Rating - Class 1 (See Item 2)

CAJ 2565



SECTION A-A

HILTI — Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. February 17, 2022

System No. C-AJ-2565

CAJ 2565

1. Floor or Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete floor or wall. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 6 in. (152 mm).
See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Through Penetrants — One nonmetallic pipe to be installed concentrically or eccentrically within the firestop system. Annular space within the firestop system is dependent upon the max diam and type of penetrant used as tabulated in Item 3A. Pipe to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of nonmetallic pipes may be used:
A. Polyvinyl Chloride (PVC) Pipe — Nom 4 in. (102 mm) diam (or smaller) Schedule 40 solid or cellular core PVC for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
B. Rigid Nonmetallic Conduit+ — Nom 4 in. (102 mm) diam (or smaller) Schedule 40 PVC conduit installed in accordance with Article 347 of the National Electrical Code (NFPA 70).
C. Acrylonitrile Butadiene Styrene (ABS) Pipe — Nom 4 in. (102 mm) diam (or smaller) Schedule 40 solid or cellular core ABS for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
D. Flame Retardant Polypropylene (FRPP) Pipe — Nom 4 in. (102 mm) diam (or smaller) Schedule 40 FRPP pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.
W Rating applies to nom 1-1/2 in. diam penetrants only.
3. Firestop System — The firestop system shall consist of the following:
A. Fill, Void or Cavity Material* - Wrap Strip — One layer of intumescent wrap strip is continuously wrapped around the pipe with ends butted and held in place with integrated tape. Wrap strip installed recessed max 1-1/4 in. (32 mm) from bottom surface of floor or min 1 in. (25 mm) from both surfaces of wall. Size of wrap strip for a given size penetrant is shown in the table below.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP648-S-1.5" US, CP648-S-2" US, CP648-S-3" US or CP648-S-4" US Wrap Strip

Product Designation	Pipe Size in. (mm)	Max Opening Diam in. (mm)	Annular Space Min in. (mm)	Annular Space Max in. (mm)	Nom Wrap Strip Length in. (mm)	Nom Wrap Strip Thick in. (mm)	Nom Wrap Strip Width in. (mm)
CP648-S-1.5" US	1-1/2 (38)	3 (76)	3/16 (5)	3/4 (19)	6.5 (165)	0.18 (5)	1 (25)
CP648-S-2" US	2 (51)	3-1/2 (89)	3/16 (5)	15/16 (24)	8 (203)	0.18 (5)	1 (25)
CP648-S-3" US	3 (76)	4 (102)	3/16 (5)	15/16 (24)	11.5 (292)	0.18 (5)	1-3/4 (44)
CP648-S-4" US	4 (102)	6 (152)	3/8 (5)	1-1/8 (28)	15.1 (384)	0.36 (9)	1-3/4 (44)

B. Fill, Void or Cavity Material* - Foam — Min 1 in. (25 mm) thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP620 Fire Foam

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

HILTI — Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. February 17, 2022

REVIEWED FOR CODE COMPLIANCE 04/01/2025

STATE OF COLORADO — ERIC P. SMITH — B-1112 — REGISTERED ARCHITECT — MAY 24, 2024

NOTICE: DUTY OF COOPERATION

Release of these plans contemplates further cooperation among the owner, his contractor and the architect. Design and construction are complex. Although the architect and his consultants have performed their services with due care and diligence, they cannot guarantee perfection. Communication is imperfect and every contingency cannot be anticipated. Any ambiguity or discrepancy discovered by the use of these plans shall be reported immediately to the architect. Failure to notify the architect compounds misunderstanding and increases construction costs. A failure to cooperate by a simple notice to the architect shall relieve the architect from responsibility for the consequences. Changes made from the plans without consent of the architect are unauthorized and shall relieve the architect of responsibility for all consequences arriving out of such changes.

REVISIONS

No.	Description	Date
1	CITY COMMENTS	5/10/2024

ASTRID BUILDING 7
STEAMBOAT SPRINGS COLORADO

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

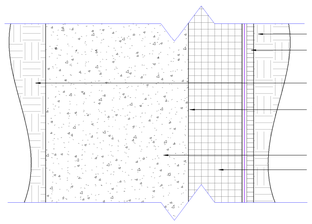
Job Number:	22014
Date:	5/24/24
Drawn By:	Author
Checked By:	Checker

Project Phase
PERMIT

Sheet Title
FIRE RATED DETAILS

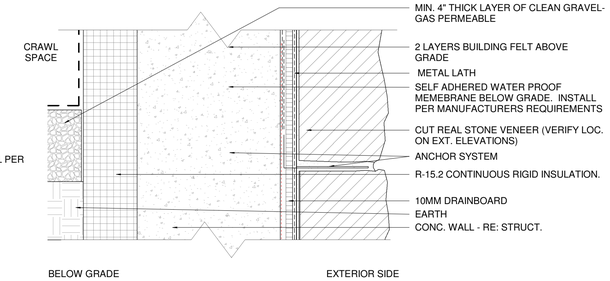
Sheet Number
A502

BELOW GRADE EXTERIOR



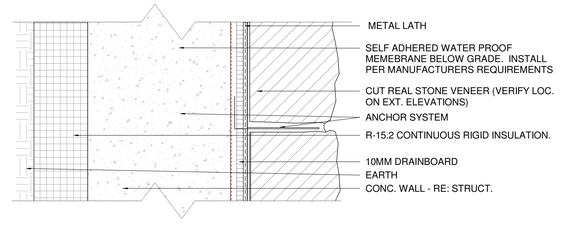
*SEE BUILDING SECTIONS AND DETAILS FOR LOCATION OF INSULATION.

1 A503 W-1 - FOUNDATION WALL (UNIT/GARAGE)
3" = 1'-0"



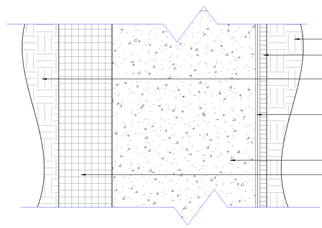
*SEE BUILDING SECTIONS AND DETAILS FOR LOCATION OF INSULATION

2 A503 W-2 - FOUNDATION WALL STONE AT CRAWL
3" = 1'-0"



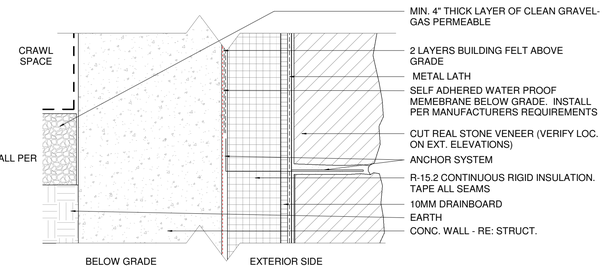
*SEE BUILDING SECTIONS AND DETAILS FOR LOCATION OF INSULATION

BELOW GRADE EXTERIOR



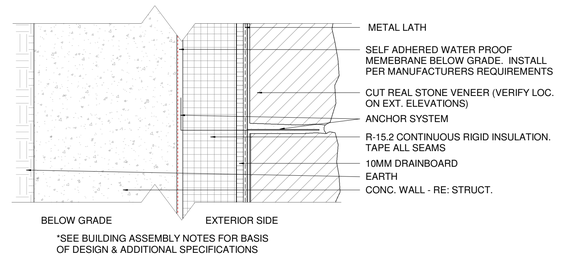
*SEE BUILDING ASSEMBLY NOTES FOR BASIS OF DESIGN & ADDITIONAL SPECIFICATIONS

1 A503 W-1 - FOUNDATION WALL (UNIT/GARAGE)
3" = 1'-0"



*SEE BUILDING ASSEMBLY NOTES FOR BASIS OF DESIGN & ADDITIONAL SPECIFICATIONS

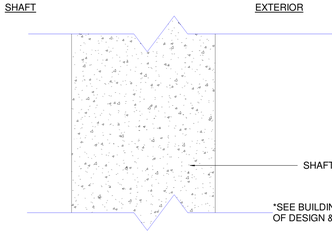
2 A503 W-2 - FOUNDATION WALL STONE AT CRAWL
3" = 1'-0"



*SEE BUILDING ASSEMBLY NOTES FOR BASIS OF DESIGN & ADDITIONAL SPECIFICATIONS

3 A503 W-3 - FOUNDATION WALL STONE
3" = 1'-0"

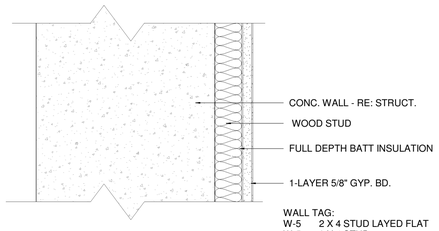
SHAFT EXTERIOR



2-HOUR FIRE RATED PER IBC TABLE 721.1(2) SOLID CONCRETE. 4-1,1 2 HOUR RATED MIN. 3.6". ACTUAL MIN. THICKNESS 8"

4 A503 W-4 - FOUNDATION WALL-ELEVATOR
3" = 1'-0"

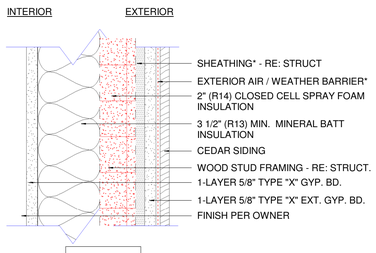
TJIS MAY HAVE TO BE BUMPED UP TO 2" DUE TO THE INTERIOR INSULATION REQUIREMENT - SEE CHADWICK SOUTH TRIPLEX DTL. 15/A510, ETC...



WALL TAG:
W-5 2 X 4 STUD LAYED FLAT
W-5 2 X 4 STUD

5 A503 W-5 - FOUNDATION WALL FINISHED INTERIOR
3" = 1'-0"

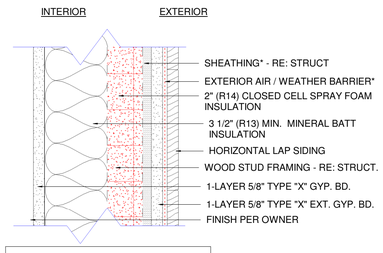
INTERIOR EXTERIOR



W-6A
PANEL

UL DESIGN U344
(1 HOUR RATED)

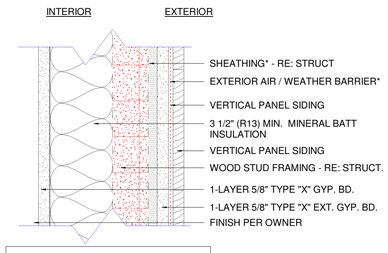
INTERIOR EXTERIOR



W-6B
HORIZONTAL SIDING

*SEE BUILDING ASSEMBLY NOTES FOR BASIS OF DESIGN & ADDITIONAL SPECIFICATIONS

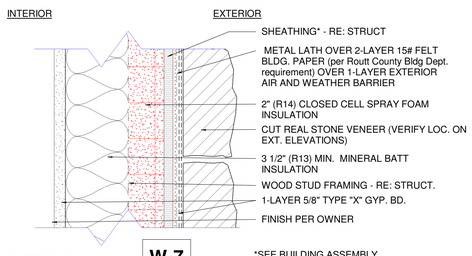
INTERIOR EXTERIOR



W-6C
BOARD AND BATTEN

6 A503 W-6 - EXT. WALL SIDING - 1 HOUR RATED
3" = 1'-0"

INTERIOR EXTERIOR

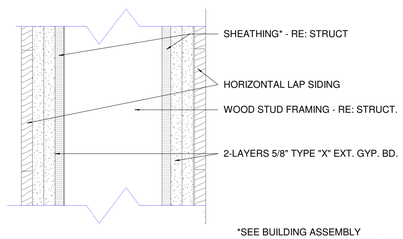


UL DESIGN U344
(1 HOUR RATED)

W-7

*SEE BUILDING ASSEMBLY NOTES FOR BASIS OF DESIGN & ADDITIONAL SPECIFICATIONS

7 A503 W-7 - EXT. WALL STONE RATED
3" = 1'-0"



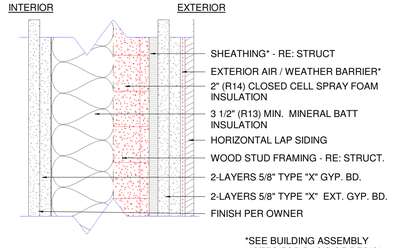
GA FILE NO. WP 8418 (2 HOUR RATED)

SHEAR WALL. RE: STRUCTURAL

*SEE BUILDING ASSEMBLY NOTES FOR BASIS OF DESIGN & ADDITIONAL SPECIFICATIONS

8 A503 W-8 - EXT. RATED WALL AT STAIR
3" = 1'-0"

INTERIOR EXTERIOR



GA FILE NO. WP 8418 (2 HOUR RATED)

SHEAR WALL

*SEE BUILDING ASSEMBLY NOTES FOR BASIS OF DESIGN & ADDITIONAL SPECIFICATIONS

9 A503 W-9 - EXT. WALL SIDING - 1 HOUR SHEAR
3" = 1'-0"

Provide and install all products for construction to industry standard including all related ASTM standards and product manufacturer's installation and specification requirements.

STATE OF COLORADO
ERIC P. SMITH
B-1112
MAY 24, 2024
LICENSED ARCHITECT

REVISIONS

No.	Description	Date

ASTRID BUILDING 7
STEAMBOAT SPRINGS COLORADO

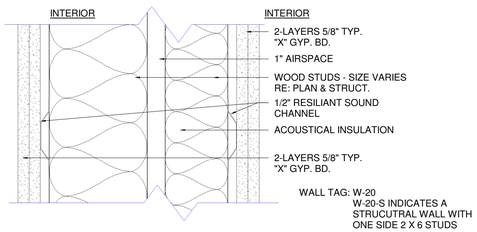
ERIC SMITH ASSOCIATES, P.C.
1919 SEVENTH STREET
BOULDER, COLORADO, 80302
(303) 442-5456, (303) 442-4745 FAX

Job Number:	22014
Date:	5/24/24
Drawn By:	ESA
Checked By:	ESA

Project Phase
PERMIT

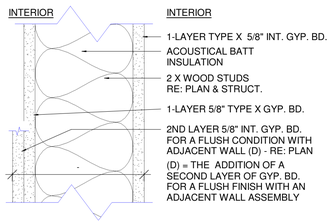
Sheet Title
EXTERIOR WALL ASSEMBLIES

Sheet Number
A503



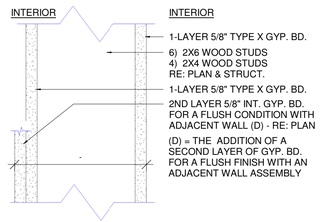
1-HR FIRE RATED ASSEMBLY BASED ON GA FILE NO. WP3820 (1-HR RATED ASSEMBLY REQUIRED, 2-HR RATED ASSEMBLY SHOWN FOR SOUND RATING) - ADD RESILIANT CHANNELS PER UL/GA DESIGN STANDARDS FOR PER BETTER SOUNDPROOFING PERFORMANCE

20 A504 W-20 - UNIT SEPARATION WALL - RATED
3" = 1'-0"



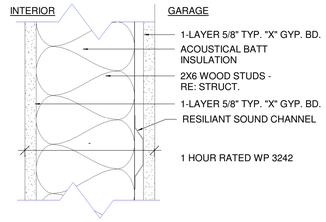
WALL TAG: W-21-6 - 2X6 WOOD STUDS
W-21-4 - 2X4 WOOD STUDS
W-21__ (D) = DBL. LAYER OF GYPSUM BOARD

21 A504 W-21 - UNIT INT. W/ INSULATION
3" = 1'-0"



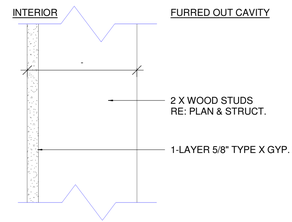
WALL TAG: W-22-6 - 2X6 WOOD STUDS
W-22-4 - 2X4 WOOD STUDS
W-5__ (D) = DBL. LAYER OF GYPSUM BOARD

22 A504 W-22 - UNIT INT.
3" = 1'-0"



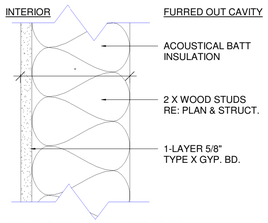
WALL TAG: W-23
W-23-S SHEAR WALL WITH SHEATHING
W-23-F FURR WALL TO ALIGN WITH WALL ABOVE OF BELOW

23 A504 W-23 - UNIT / GARAGE WALL - RATED
3" = 1'-0"



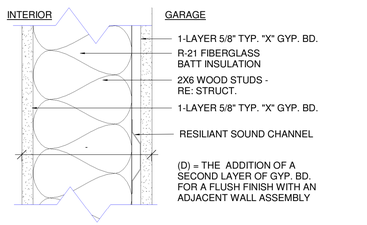
WALL TAG: W-24-6 - 2X6 WOOD STUDS
W-24-4 - 2X4 WOOD STUDS
W-24-2 - 2X FLAT STUDS

24 A504 W-24 - FURRED WALL
3" = 1'-0"

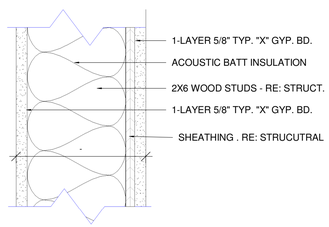


WALL TAG: W-25-6 - 2X6 WOOD STUDS
W-25-4 - 2X4 WOOD STUDS
W-25-2 - 2X FLAT STUDS

25 A504 W-25 - FURRED WALL W/ INSUL.
3" = 1'-0"

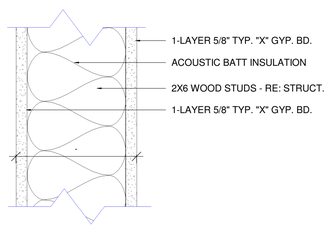


26 A504 W-26 - SAME UNIT / GARAGE WALL
3" = 1'-0"



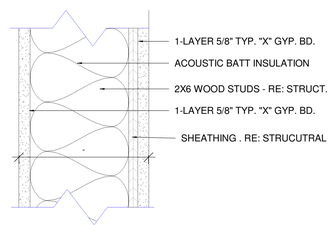
1 HOUR RATED WP 3520

27 A504 W-27 - BEARING SHEAR WALL - 1 HOUR RATED
3" = 1'-0"

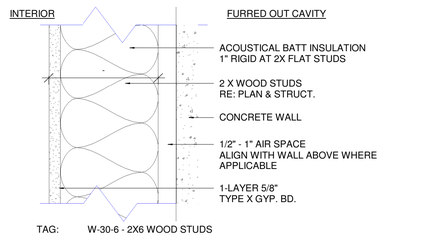


1 HOUR RATED WP 3520

28 A504 W-28 - BEARING WALL - 1 HOUR RATED
3" = 1'-0"

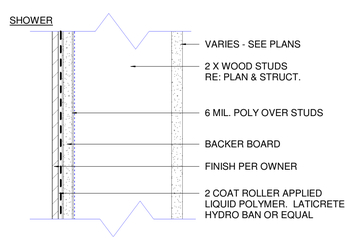


29 A504 W-29 - BEARING SHEAR WALL
3" = 1'-0"

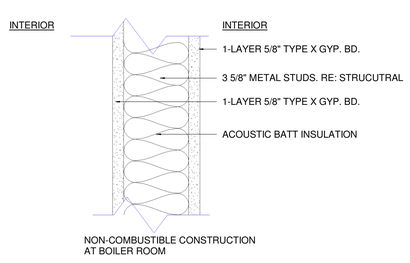


TAG: W-30-6 - 2X6 WOOD STUDS
W-30-4 - 2X4 WOOD STUDS
W-30-2 - 2X FLAT STUDS - PROVIDE 1" RIGID INSULATION IN PLACE OF BATT

30 A504 W-30 - FURRED WALL W/ INSUL. AND GAP
3" = 1'-0"

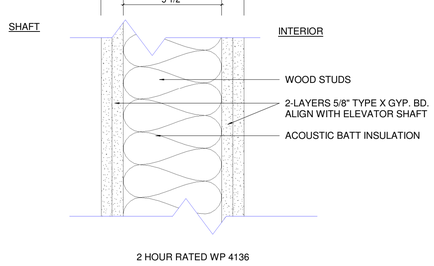


31 A504 W-31 - SHOWER WALL
3" = 1'-0"



NON-COMBUSTIBLE CONSTRUCTION AT BOILER ROOM

32 A504 W-32 - 3 5/8" METAL STUDS INSULATED
3" = 1'-0"



2 HOUR RATED WP 4136

33 A504 W-33 - ELEVATOR INFILL PARTITION
3" = 1'-0"

BASIS OF DESIGN:

01) SPRAY FOAM -

02) MINERAL WOOL BATT INSULATION – ROCKWOOL AFB (ACOUSTICAL FIRE BATT INSULATION) WITH UL CLASSIFICATION BZJZ. R-4.1/IN. (5-1/2" = R-22.55).

03) FIBERGLASS BATT INSULATION - CERTAINTEED FIBER GLASS BUILDING INSULATION (3-1/2" = R-15 / 5-1/2"= R-21 / 12" = R-38).

04) RIGID INSULATION (FOUNDATION) - DOW CHEMICAL COMPANY STYROFOAM BLUE BOARD MEETING ESR-2142. (1" = R-5)

05) WATERPROOFING MEMBRANE - GCP BITUTHENE SYSTEM 4000 - FABRIC REINFORCED (FR) AS RECOMMENDED BY PRODUCT MFR.

06) DRAINBOARD - HYDROTECH HYDRODRAIN 400.

07) HORIZONTAL LAP SIDING – CEDAR TEXTURE ENGINEERED BOARD SIDING - COORDINATE FINAL FINISH SELECTION WITH OWNER & ARCHITECT.

08) VERTICAL PANEL SIDING - CEDAR TEXTURE ENGINEERED BOARD PANEL - COORDINATE FINAL FINISH SELECTION WITH OWNER & ARCHITECT.

09) 4" THICK STONE VENEER- STYLE, FINISH, & MANUFACTURER TO BE DETERMINED BASED ON INPUT FROM OWNER.

10) ASPHALT SHINGLES – GAF TIMBERLINE NATURAL SHADOW CHARCOAL

11) WATER-RESISTIVE BARRIER - DUPONT TYVEK HOUSEWRAP WITH DUPONT TYVEK TAPE AND/OR DUPONT FLASHING TAPE PER MANUFACTURER'S SPECIFICATIONS AND WARRANTY

GENERAL NOTES:

A) GYPSUM BOARD – THICKNESS SPECIFIED WITHIN THE BUILDING ASSEMBLIES AND FROM A MANUFACTURER SPECIFIED WITHIN THE REFERENCED FIRE RATED ASSEMBLY WHEN A PROPRIETARY PRODUCT IS SPECIFIED.

B) IF A BUILDING ASSEMBLY REFERENCES A SPECIFIC FIRE RATED TESTED ASSEMBLY AND/OR SOUND ASSEMBLY, THE CONTRACTOR SHALL BUILD THAT SPECIFIC ASSEMBLY BASED ON THE REQUIREMENTS SPECIFIED WITHIN THE REFERENCED ASSEMBLIES (I.E. PROPRIETARY MATERIALS, SIZES, SPACING, ETC...). CONTACT THE ARCHITECT AND STRUCTURAL ENGINEER IF THERE IS A CONFLICT BETWEEN THE CONSTRUCTION SET AND THE REFERENCED FIRE TESTED & SOUND ASSEMBLY.

C) LOCATION, TYPE AND EXTENT OF WALL SHEATHING REQUIRED BY THE STRUCTURAL ENGINEER FOR SHEAR SHALL BE COORDINATED WITH THE STRUCTURAL DRAWINGS.

D) ALL EXTERIOR VENEER MATERIALS TO BE INSTALLED IN STRICT CONFORMANCE WITH THEIR RESPECTIVE MANUFACTURER'S SPECIFICATIONS & WARRANTY AND THE ADOPTED BUILDING CODE, WHICHEVER IS MORE STRINGENT.

E) CLASS II VAPOR RETARDER WITHIN WALLS TO BE INSTALLED IN ACCORDANCE WITH 2021 IBC SECTION 1405.3.

F) REFER TO ARCHITECTURAL SHEET A500 FOR FIRE RESISTIVE & SOUND TESTED ASSEMBLIES (THAT ARE NOT INCLUDED WITHIN THIS SHEET) REFERENCED WITHIN THESE BUILDING ASSEMBLIES.

G) THE WATERPROOF MEMBRANE SHALL BE INSTALLED IN STRICT CONFORMANCE WITH MANUFACTURERS SPECIFICATIONS & WARRANTY INCLUDING BUT NOT LIMITED TO TERMINATION AT WALL, TERMINATION AT EDGE (I.E. STEEL ANGLE), CONNECTIONS & OVERLAPPING ADJACENT MATERIALS, ETC...). MANUFACTURERS DETAILS & REQUIREMENTS SUPERSEDE ARCHITECTURAL DETAILS & NOTATIONS INCLUDED WITHIN THIS CONSTRUCTION SET. CONTACT THE ARCHITECT WITH ANY DISCREPANCIES.
BUILDING ASSEMBLY NOTES:

REVIEWED FOR CODE COMPLIANCE
04/01/2025

STATE OF COLORADO
ERIC P. SMITH
B-1112
MAY 24, 2024
LICENSED ARCHITECT

NOTICE: DUTY OF COOPERATION

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REVISIONS

No.	Description	Date

ASTRID BUILDING 7
STEAMBOAT SPRINGS COLORADO

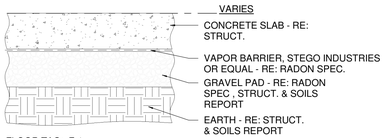
ERIC SMITH ASSOCIATES, P.C.
1919 SEVENTH STREET
BOULDER, COLORADO, 80302
(303) 442-5456, (303) 442-4745 FAX

Job Number:	22014
Date:	5/24/24
Drawn By:	ESA
Checked By:	ESA

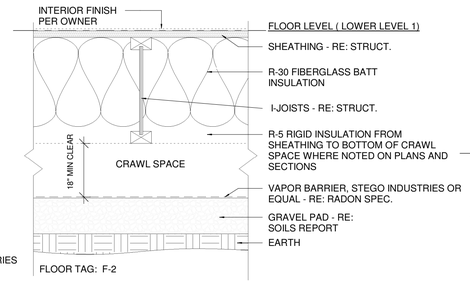
Project Phase
PERMIT

Sheet Title
INTERIOR WALL ASSEMBLIES

Sheet Number
A504



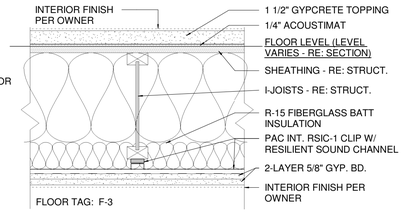
FLOOR TAG: F-1



FLOOR TAG: F-2

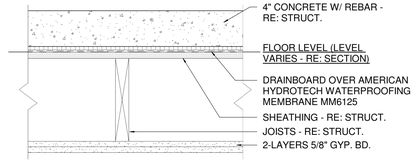
1-HR FIRE RATED ASSEMBLY BASED ON GA FILE NO FC 5407

FIRST LEVEL / CRAWL SPACE:
2021 IBC SECTION 711.2.6 UNUSABLE SPACE: IN 1-HOUR FIRE-RESISTANCE-RATED FLOOR-CEILING ASSEMBLIES, THE CEILING MEMBRANE IS NOT REQUIRED TO BE INSTALLED OVER UNUSABLE CRAWL SPACE.



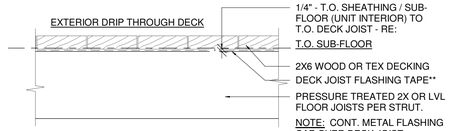
FLOOR TAG: F-3

1-HR FIRE RATED ASSEMBLY BASED ON UL DESIGN NO. L570, SYSTEM NO. 2
62 STC / 58 IIC PER SOUND TEST ASSEMBLIES RAL-TL-81-87 / RAL-0T03-05/06



FLOOR TAG: F-4

1-HR FIRE RATED ASSEMBLY BASED ON GA FILE NO FC 5406



FLOOR TAG: F-5

*SEE BUILDING ASSEMBLY NOTES FOR BASIS OF DESIGN & ADDITIONAL SPECIFICATIONS
**DECK FLASHING TAPE TO BE ADDED TO THE TOP OF THE LEDGERS & BEAMS. FLASHING TAPE TO HAVE MINIMAL OVERLAP ON THE EXPOSED (PUBLIC VIEW) EXTERIOR FACE.

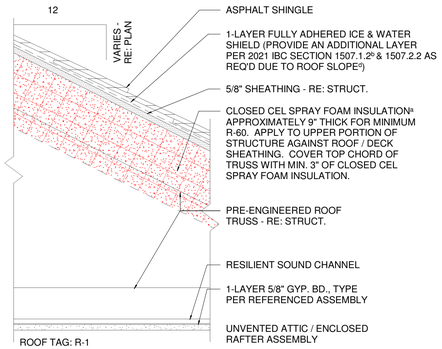
1 A505 F-1 - SLAB ON GRADE
1 1/2" = 1'-0"

2 A505 F-2 - FLOOR ASSEMBLY (UNIT / CRAWLSPACE)
1 1/2" = 1'-0"

3 A505 F-3 - UNIT FLOOR ASSEMBLY (UNIT / UNIT)
1 1/2" = 1'-0"

4 A505 F-4 - EXTERIOR DECK ASSEMBLY
1 1/2" = 1'-0"

5 A505 F-5 - DECK ASSEMBLY
1 1/2" = 1'-0"



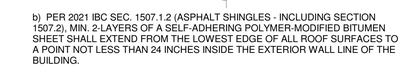
ROOF TAG: R-1

a) CLOSED CEL SPRAY FOAM INSULATION PER REFERENCED UL ASSEMBLY

b) PER 2021 IBC SEC. 1507.1.2 (ASPHALT SHINGLES - INCLUDING SECTION 1507.2), MIN. 2-LAYERS OF A SELF-ADHERING POLYMER-MODIFIED BITUMEN SHEET SHALL EXTEND FROM THE LOWEST EDGE OF ALL ROOF SURFACES TO A POINT NOT LESS THAN 24 INCHES INSIDE THE EXTERIOR WALL LINE OF THE BUILDING.

d) PER 2021 IBC SECTION 1507.2.2, FOR SLOPES FROM 2:12 UP TO 4:12, DOUBLE UNDERLAYMENT APPLICATION IS REQUIRED IN ACCORDANCE WITH SECTION 1507.1.1.

1-HR FIRE RATED ASSEMBLY BASED ON UL DESIGN NO. P552



ROOF TAG: R-2

b) PER 2021 IBC SEC. 1507.1.2 (ASPHALT SHINGLES - INCLUDING SECTION 1507.2), MIN. 2-LAYERS OF A SELF-ADHERING POLYMER-MODIFIED BITUMEN SHEET SHALL EXTEND FROM THE LOWEST EDGE OF ALL ROOF SURFACES TO A POINT NOT LESS THAN 24 INCHES INSIDE THE EXTERIOR WALL LINE OF THE BUILDING.

c) SOFFIT PANEL TO BE ADDED TO UNDERSIDE OF ROOF CEILING ASSEMBLY AT LOCATIONS WHERE THE ROOF CEILING IS A CONTINUATION OF AN ADJACENT OVERHANG SOFFIT.

d) PER 2021 IBC SECTION 1507.2.2, FOR SLOPES FROM 2:12 UP TO 4:12, DOUBLE UNDERLAYMENT APPLICATION IS REQUIRED IN ACCORDANCE WITH SECTION 1507.1.1.

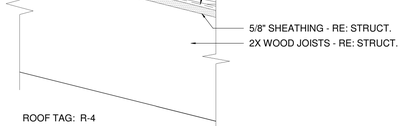
1 HOUR-RATED ASSEMBLY PER 2021 IBC TABLE 721.1(3) 13-1.4

ROOF TAG: R-3

1 HOUR RATED BASED ON UL DESIGN NO. P552

* SEE BUILDING ASSEMBLY NOTES FOR BASIS OF DESIGN & ADDITIONAL SPECIFICATIONS

a. FLAT ROOF (1/4" & 1/2" /12" SLOPE) EPDM MEMBRANE ASSEMBLY BASED ON FULLY ADHERED 60MIL JOHNS MANVILLE SYSTEM.
b. BARRIER BOARD IN COMPLIANCE WITH JOHNS MANVILLE 60 MIL. EPDM SYSTEM SPECIFICATIONS.



ROOF TAG: R-4

d) PER 2021 IBC SECTION 1507.2.2, FOR SLOPES FROM 2:12 UP TO 4:12, DOUBLE UNDERLAYMENT APPLICATION IS REQUIRED IN ACCORDANCE WITH SECTION 1507.1.1.

NON-RATED ASSEMBLY

11 A505 R-1 - PITCHED ROOF ASSEMBLY (WARM ATTIC)
1 1/2" = 1'-0"

12 A505 R-2 - JOIST ROOF ASSEMBLY
1 1/2" = 1'-0"

13 A505 R-3 - EPDM FLAT ROOF TRUSS ASSEMBLY
1 1/2" = 1'-0"

14 A505 R-4 - JOIST ROOF ASSEMBLY
1 1/2" = 1'-0"

STATE OF COLORADO
ERIC P. SMITH
B-1112
REGISTERED ARCHITECT
MAY 24, 2024

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REVISIONS

No.	Description	Date
1	CITY COMMENTS	5/10/2024

ASTRID BUILDING 7
STEAMBOAT SPRINGS COLORADO

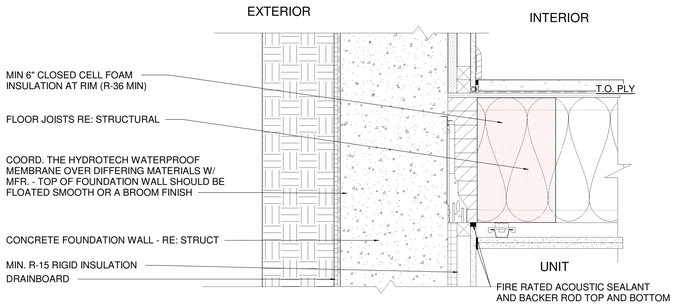
ERIC SMITH ASSOCIATES, P.C.
1919 SEVENTH STREET
BOULDER, COLORADO, 80302
(303) 442-5456, (303) 442-4745 FAX

Job Number:	22014
Date:	5/24/24
Drawn By:	ESA
Checked By:	ESA

Project Phase
PERMIT

Sheet Title
ROOF/FLOOR ASSEMBLIES

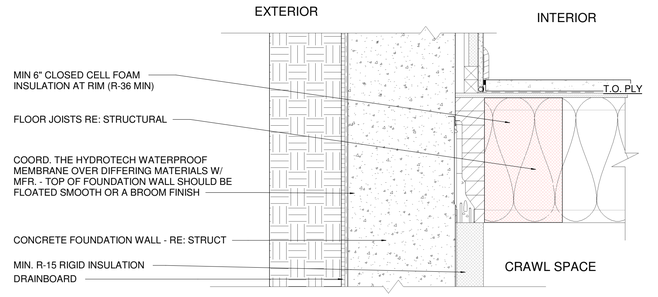
Sheet Number
A505



1. HYDROTECH (MM6125) WATERPROOF MEMBRANE, HYDRODRAIN 400 DRAINBOARD & ALL RELATED ELEMENTS TO BE INSTALLED IN STRICT CONFORMANCE WITH MFR. SPEC. & WARRANTY. ALL VARIED CONDITIONS INCLUDING BUT NOT LIMITED TO THE MEMBRANE CONTINUATION OVER DIFFERING MATERIALS, VERT. & HORZ. CONNECTIONS, MEMBRANE PENETRATIONS, ETC... MFR. SPEC. & RECOMMENDATIONS SUPERSEDE NOTES AND DIAGRAMS INCLUDED HEREIN THIS CD SET.
2. COORD. WATERPROOFING THRU PENETRATIONS WITH MFR. SPEC. & WARRANTY FOR REBAR & OTHER BENETRATIONS THROUGH WATERPROOFING MEMBRANE

9 A510 FLOOR EDGE AT FOUNDATION

1 1/2" = 1'-0"



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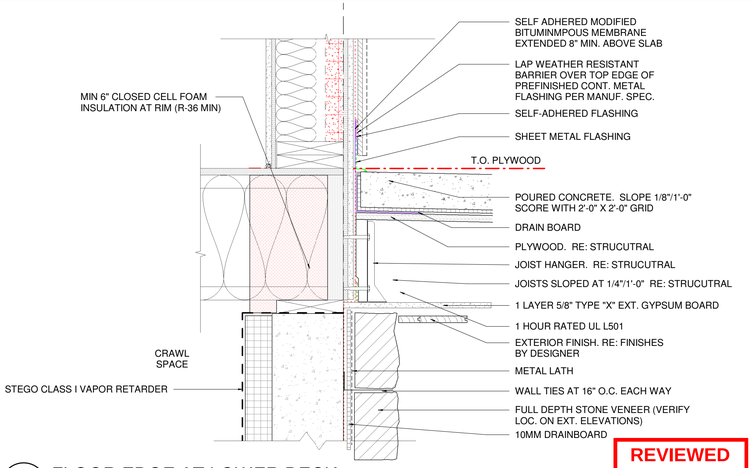
2. COORD. WATERPROOFING THRU PENETRATIONS WITH MFR. SPEC. & WARRANTY FOR REBAR & OTHER BENETRATIONS THROUGH WATERPROOFING MEMBRANE

8 A510 FLOOR EDGE AT CRAWL SPACE

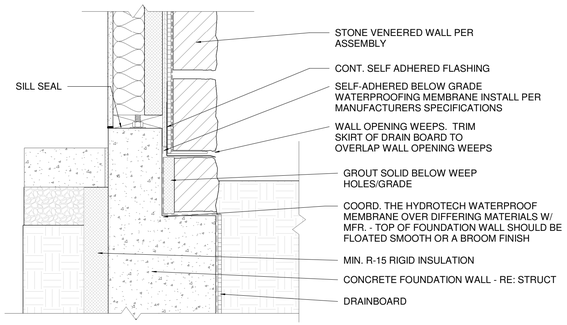
1 1/2" = 1'-0"



7 A510 FLOOR EDGE AT LOWER DECK

1 1/2" = 1'-0"

REVIEWED FOR CODE COMPLIANCE
04/01/2025



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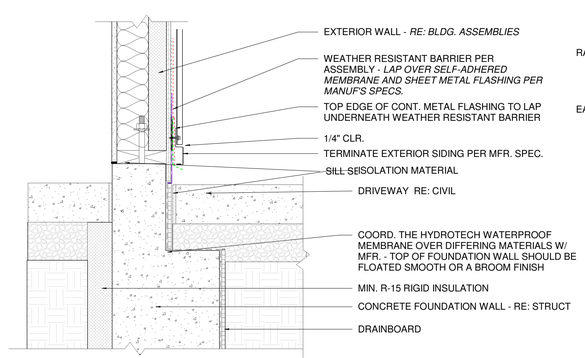
2. COORD. WATERPROOFING THRU PENETRATIONS WITH MFR. SPEC. & WARRANTY FOR REBAR & OTHER BENETRATIONS THROUGH WATERPROOFING MEMBRANE

6 A510 FLOOR EDGE DETAIL @ GARAGE - 2

1 1/2" = 1'-0"



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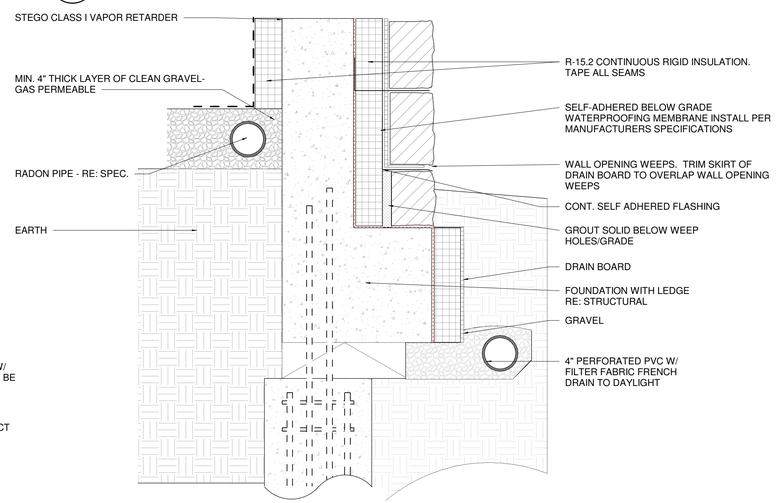
2. COORD. WATERPROOFING THRU PENETRATIONS WITH MFR. SPEC. & WARRANTY FOR REBAR & OTHER BENETRATIONS THROUGH WATERPROOFING MEMBRANE

3 A510 FLOOR EDGE DETAIL @ GARAGE - 1

1 1/2" = 1'-0"



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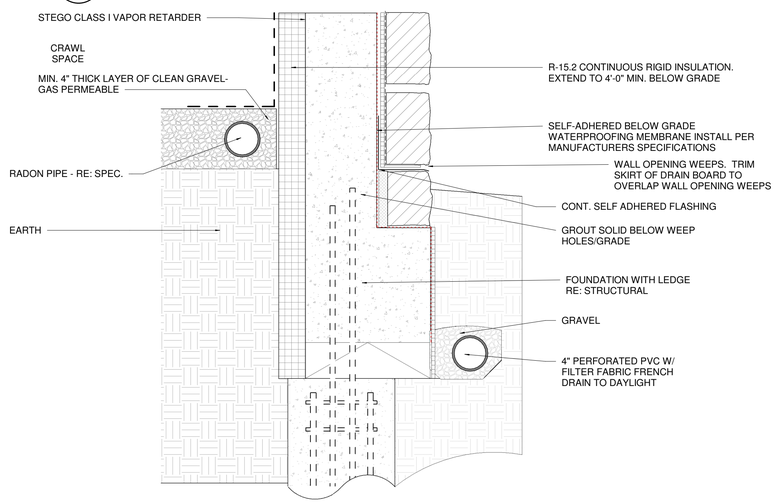
2. COORD. WATERPROOFING THRU PENETRATIONS WITH MFR. SPEC. & WARRANTY FOR REBAR & OTHER BENETRATIONS THROUGH WATERPROOFING MEMBRANE

5 A510 FLOOR EDGE AT EXT. STONE AT FOUND. - 2

1 1/2" = 1'-0"



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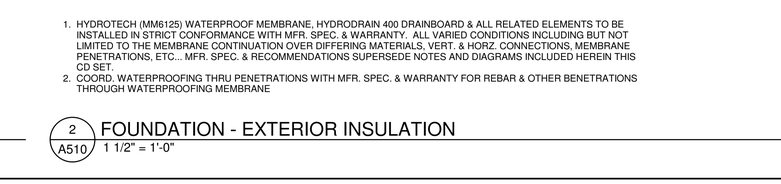
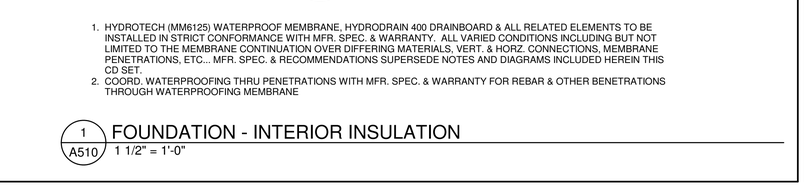
4 A510 FLOOR EDGE AT EXT. STONE AT FOUND. - 1

1 1/2" = 1'-0"



2 A510 FOUNDATION - EXTERIOR INSULATION

1 1/2" = 1'-0"



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1 A510 FOUNDATION - INTERIOR INSULATION

1 1/2" = 1'-0"

STATE OF COLORADO
ERIC P. SMITH
B-1112
MAY 24, 2024
LICENSED ARCHITECT

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REVISIONS

No.	Description	Date

ASTRID BUILDING 7

STEAMBOAT SPRINGS COLORADO

ERIC SMITH ASSOCIATES, P.C.
1919 SEVENTH STREET
BOULDER, COLORADO, 80302
(303) 442-5456, (303) 442-4745 FAX

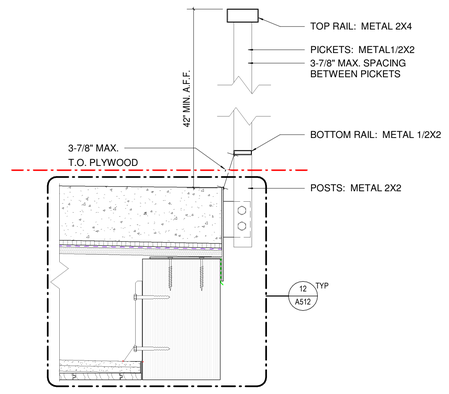
Job Number:	22014
Date:	5/24/24
Drawn By:	ESA
Checked By:	ESA

Project Phase
PERMIT

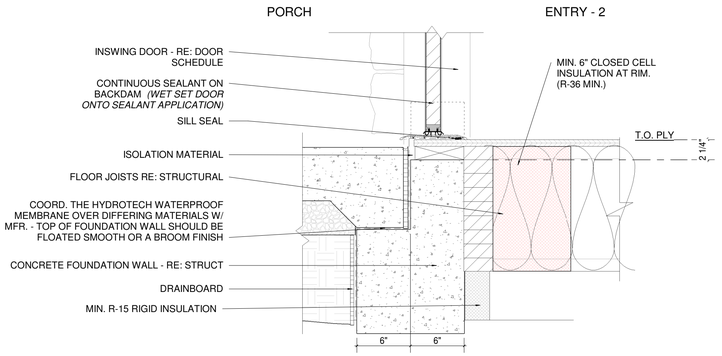
Sheet Title
EXTERIOR DETAILS

Sheet Number
A510

REVIEWED
FOR
CODE
COMPLIANCE
04/01/2025



4 A511 GUARDRAIL
1 1/2" = 1'-0"



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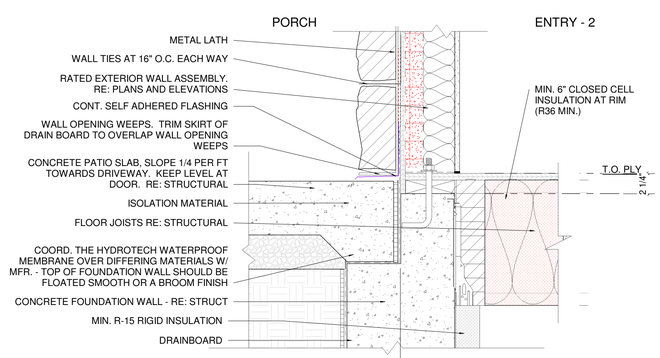
2. COORD. WATERPROOFING THRU PENETRATIONS WITH MFR. SPEC. & WARRANTY FOR REBAR & OTHER BENETRATIONS THROUGH WATERPROOFING MEMBRANE

DETAIL NOTES:
1. ALIGNMENT OF SWING DOOR ASSEMBLY WITHIN WALL TO BE COORDINATED IN THE FIELD BASED ON TYPE OF WALL ASSEMBLY IT IS TO BE INSTALLED WITHIN.

3 A511 EXT. STONE AT DOOR ENTRY
1 1/2" = 1'-0"



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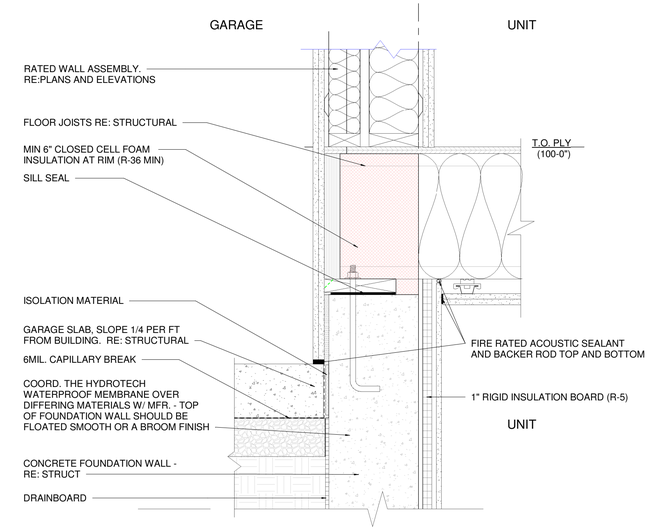
2 A511 EXT. STONE AT FOUND.ENTRY
1 1/2" = 1'-0"



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1 A511 FOUNDATION AT GARAGE
1 1/2" = 1'-0"

STATE OF COLORADO
ERIC P. SMITH
B-1112
MAY 24, 2024
LICENSED ARCHITECT

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REVISIONS

No.	Description	Date

ASTRID BUILDING 7
STEAMBOAT SPRINGS COLORADO

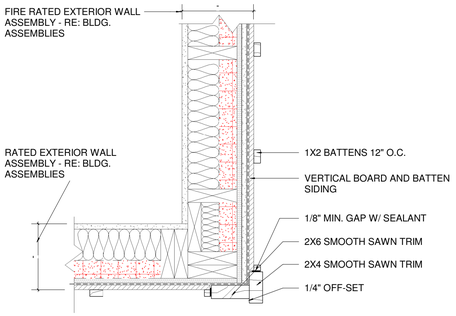
ERIC SMITH ASSOCIATES, P.C.
1919 SEVENTH STREET
BOULDER, COLORADO, 80302
(303) 442-5456, (303) 442-4745 FAX

Job Number:	22014
Date:	5/24/24
Drawn By:	ESA
Checked By:	ESA

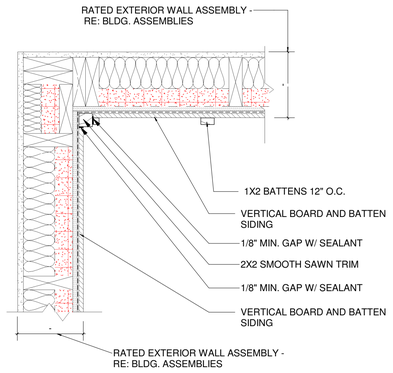
Project Phase
PERMIT

Sheet Title
EXTERIOR DETAILS

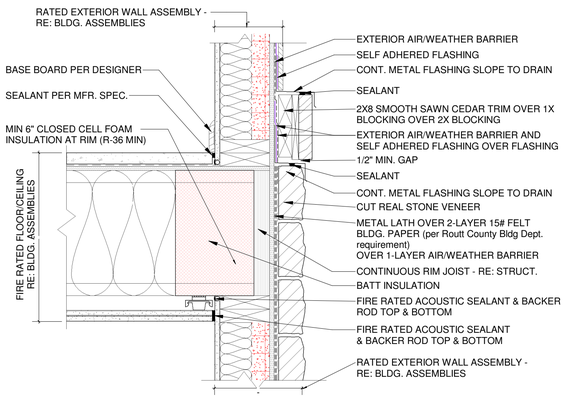
Sheet Number
A511



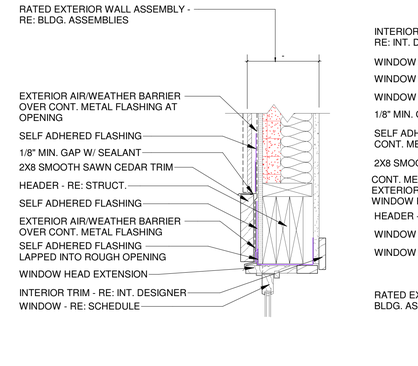
1 A512 EXTERIOR CORNER DETAIL 01
1 1/2" = 1'-0"



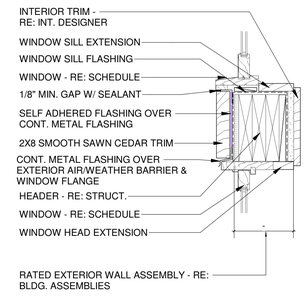
2 A512 EXTERIOR CORNER DETAIL 02
1 1/2" = 1'-0"



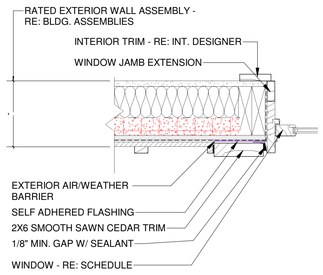
3 A512 FLOOR EDGE STONE TO SIDING
1 1/2" = 1'-0"



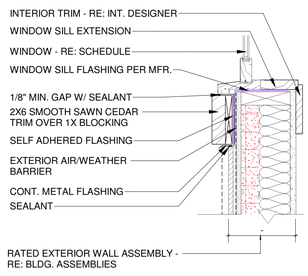
4 A512 WINDOW HEAD DETAIL
1 1/2" = 1'-0"



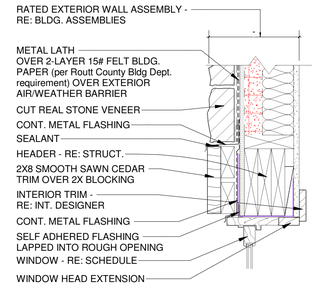
5 A512 WINDOW MULLION TRIM DETAIL
1 1/2" = 1'-0"



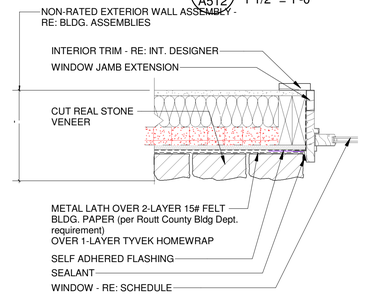
6 A512 WINDOW JAMB DETAIL
1 1/2" = 1'-0"



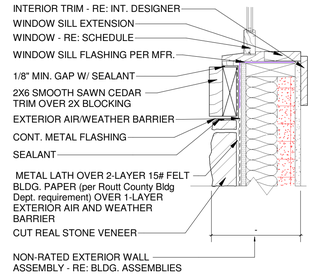
7 A512 WINDOW SILL DETAIL
1 1/2" = 1'-0"



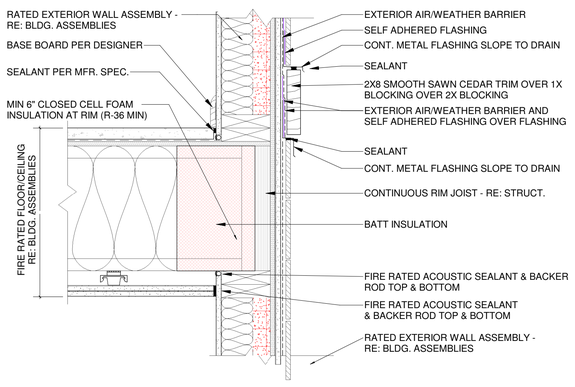
8 A512 WINDOW HEAD AT STONE DETAIL
1 1/2" = 1'-0"



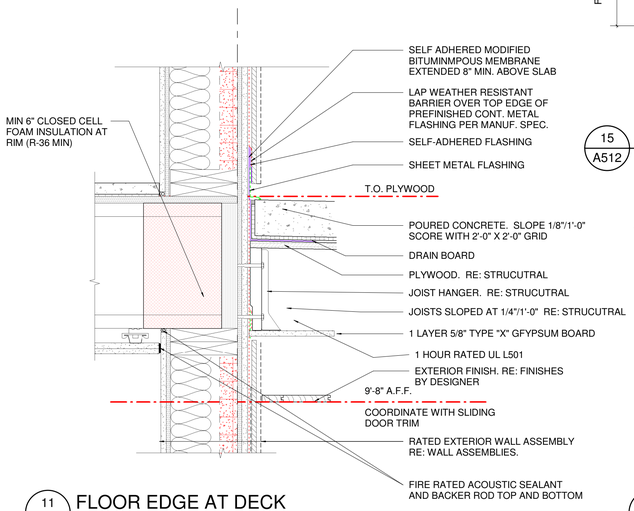
9 A512 WINDOW JAMB AT STONE DETAIL
1 1/2" = 1'-0"



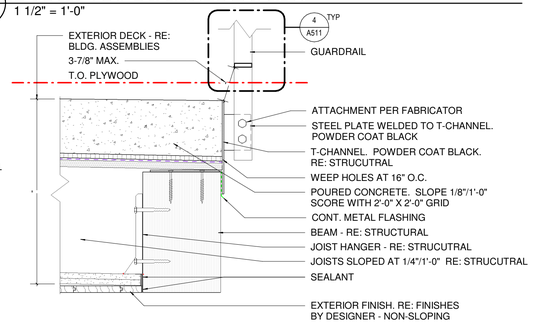
10 A512 WINDOW SILL AT STONE DETAIL
1 1/2" = 1'-0"



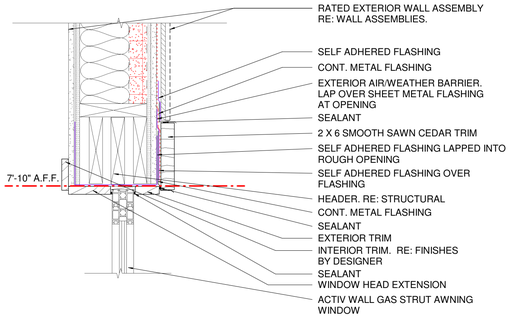
15 A512 FLOOR EDGE SIDING TO SIDING
1 1/2" = 1'-0"



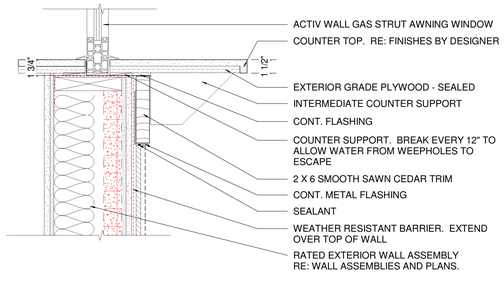
11 A512 FLOOR EDGE AT DECK
1 1/2" = 1'-0"



12 A512 DECK EDGE
1 1/2" = 1'-0"



13 A512 WINDOW HEAD AT ACTIV WALL
1 1/2" = 1'-0"



14 A512 WINDOW SILL AT ACTIV WALL
1 1/2" = 1'-0"

Provide and install all products for construction to industry standard including all related ASTM standards and product manufacturer's installation and specification requirements.

STATE OF COLORADO
ERIC P. SMITH
B-1112
MAY 24, 2024
LICENSED ARCHITECT

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04/01/2025

ASTRID BUILDING 7
STEAMBOAT SPRINGS COLORADO

ERIC SMITH ASSOCIATES, P.C.
1919 SEVENTH STREET
BOULDER, COLORADO, 80302
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Job Number:	22014
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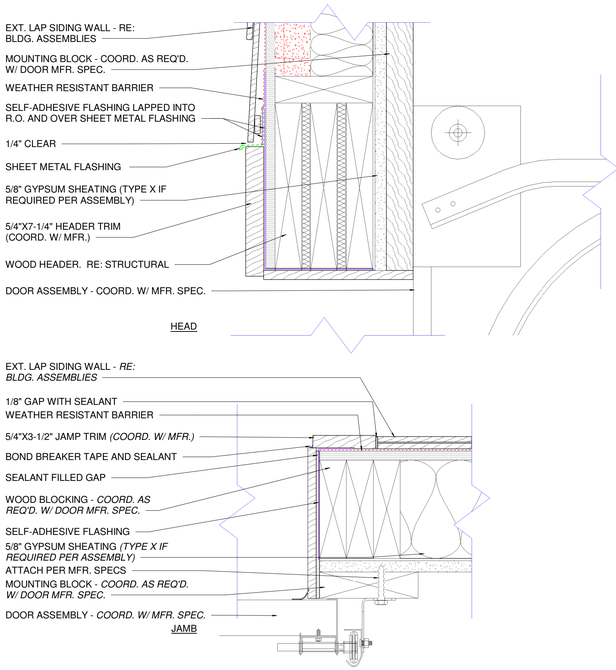
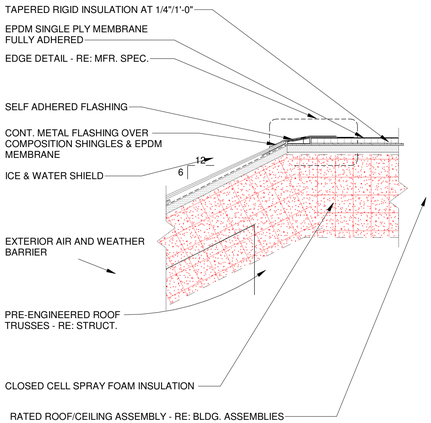
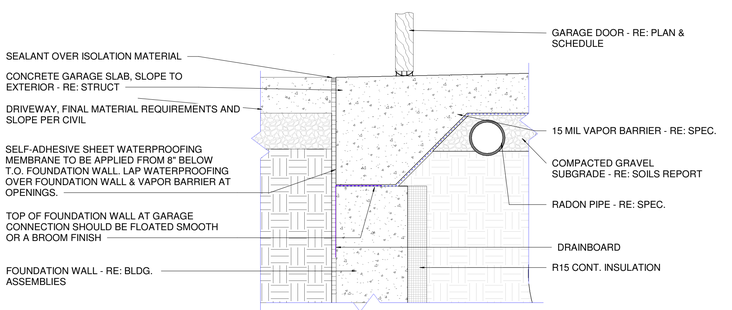


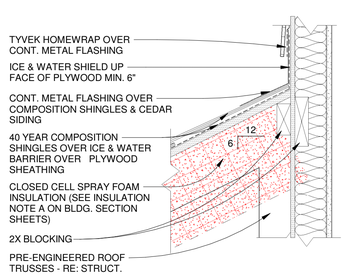
6 A513 OVERHEAD DOOR HEAD/JAMB DETAIL
3" = 1'-0"



11 A513 EXT. FLAT ROOF EAVE DETAIL
1 1/2" = 1'-0"



7 A513 FLOOR DETAIL @ GARAGE ENTRY
1 1/2" = 1'-0"



12 A513 EXT. PITCHED ROOF/WALL DETAIL 04
1 1/2" = 1'-0"

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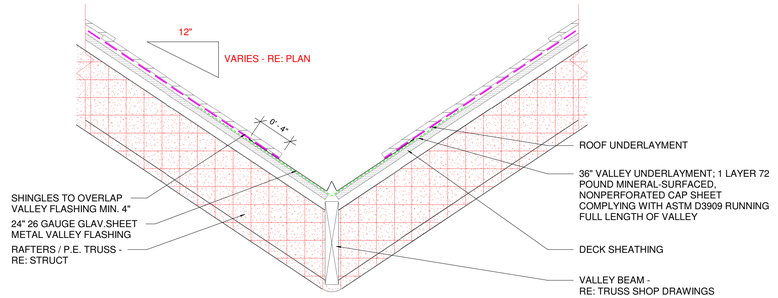
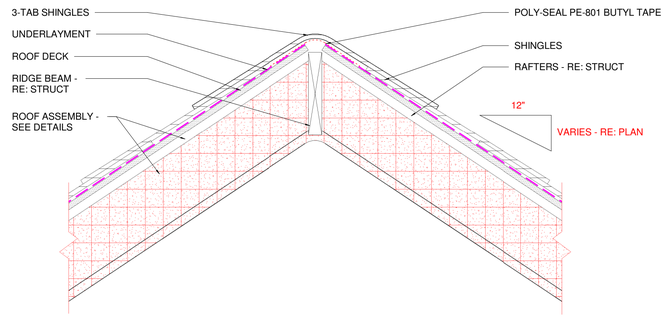
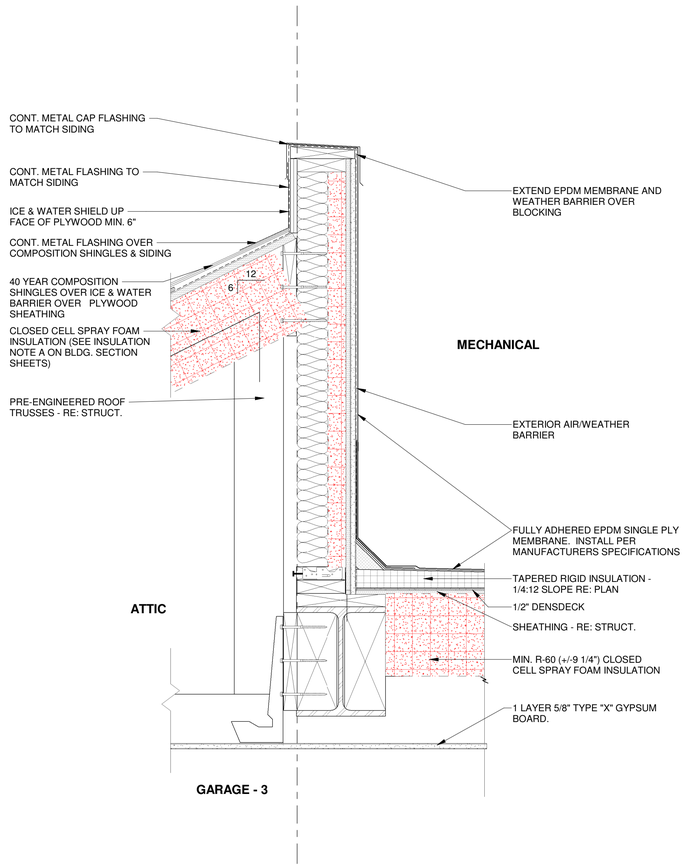


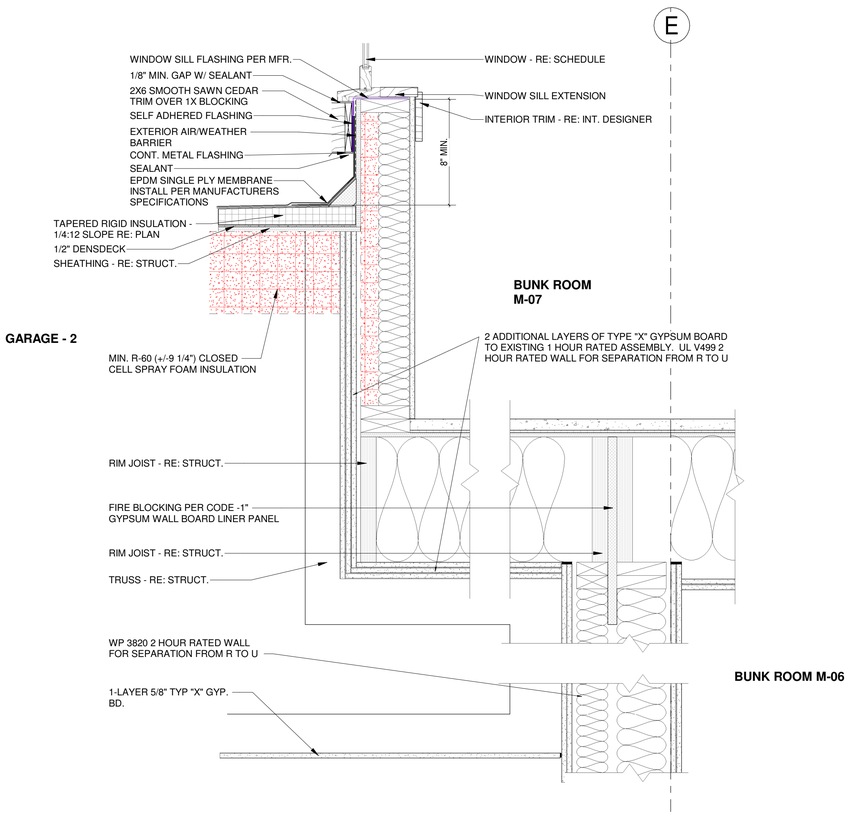
5 A514 ROOF VALLEY DETAIL
1 1/2" = 1'-0"



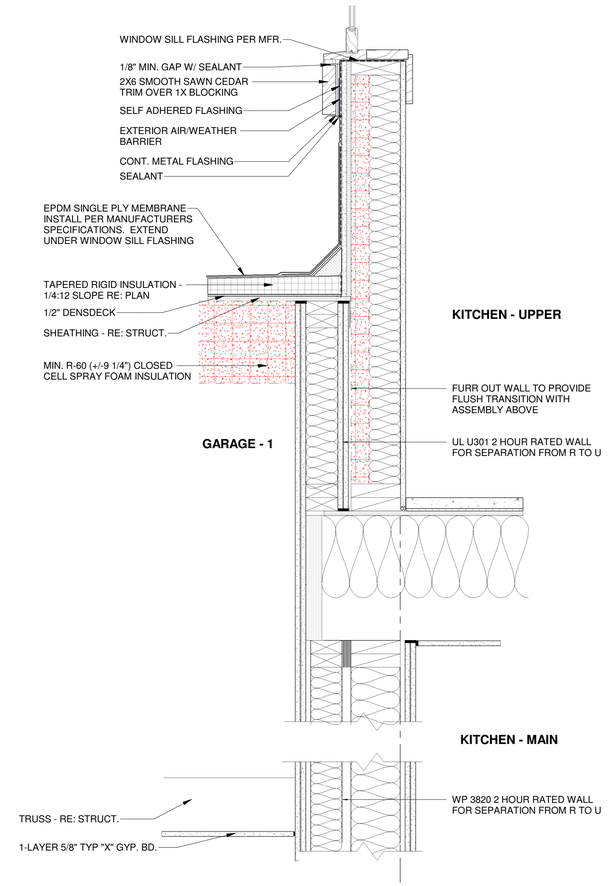
4 A514 ROOF RIDGE DETAIL
1 1/2" = 1'-0"



3 A514 FLAT ROOF TO PARAPET WALL
1 1/2" = 1'-0"



2 A514 FLAT ROOF TO WALL DETAIL -2
1 1/2" = 1'-0"



1 A514 FLAT ROOF TO WALL DETAIL-1
1 1/2" = 1'-0"

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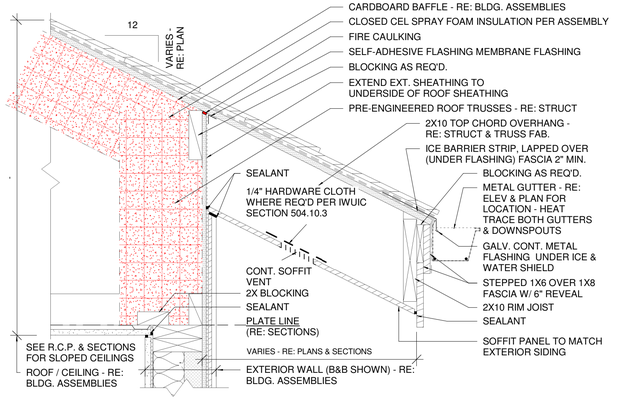
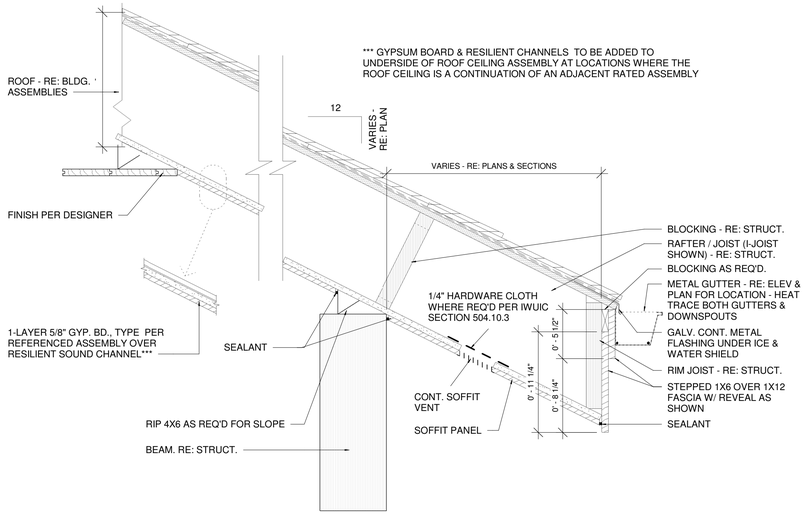
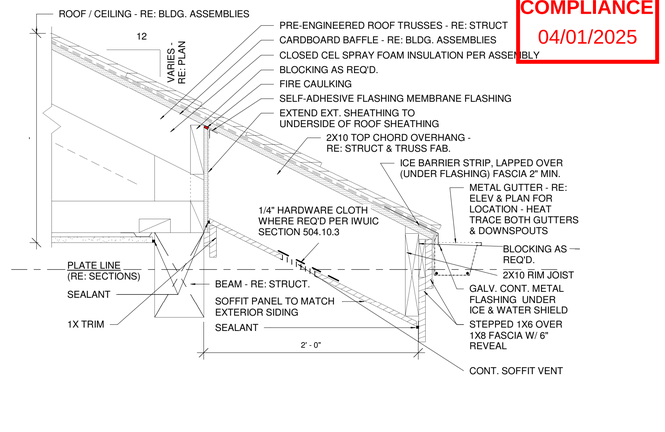


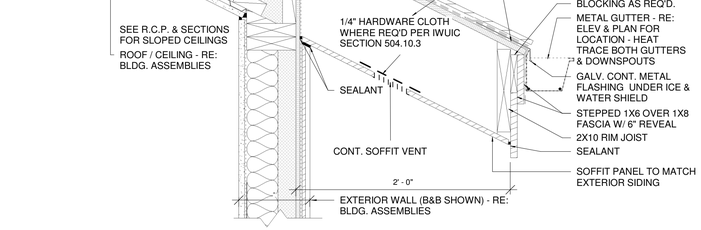
10 / A515 EAVE - TYPICAL
1 1/2" = 1'-0"



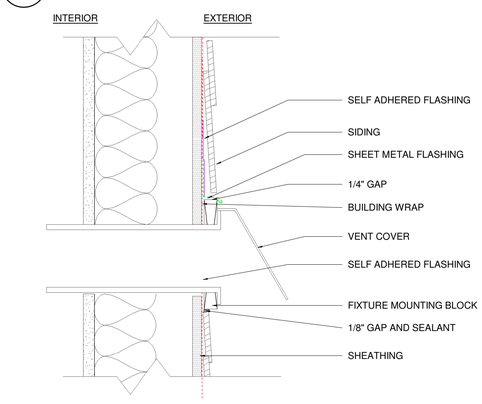
9 / A515 EAVE AT DECK
1 1/2" = 1'-0"



8 / A515 EAVE DTL-3
1 1/2" = 1'-0"



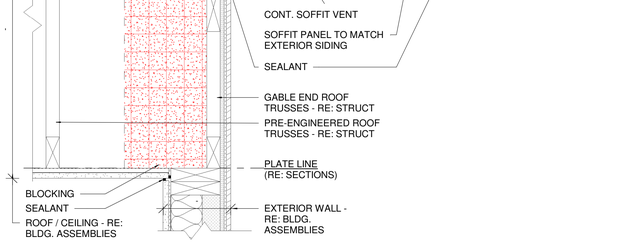
7 / A515 EAVE DTL-5
1 1/2" = 1'-0"



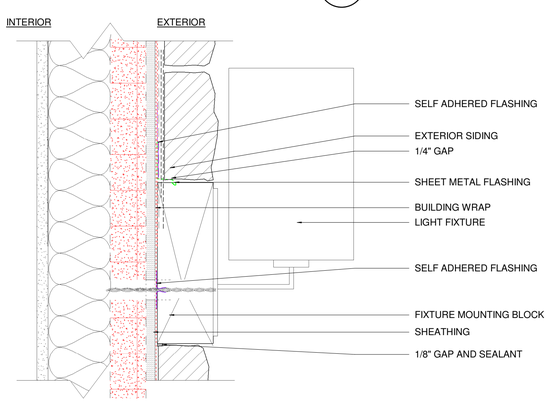
1. SECURE VENT TO WALL ACCORDING TO MANUFACTURER'S SPECIFICATIONS & REQUIREMENTS.

4 / A515 VENT MOUNTING DETAIL SIDING
3" = 1'-0"

6 / A515 GABLE END EAVE DETAIL-1
1 1/2" = 1'-0"

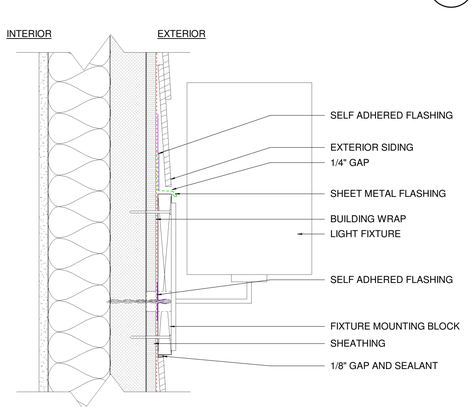


3 / A515 LIGHT FIXTURE MOUNTING DETAIL STONE
3" = 1'-0"



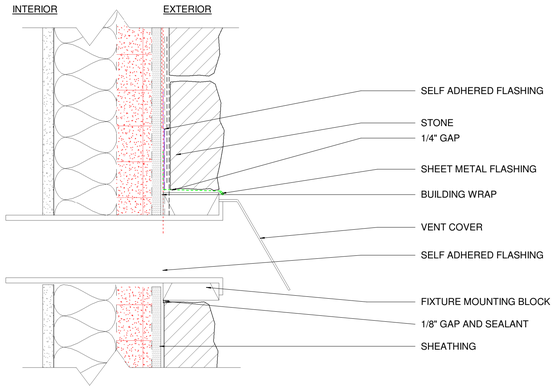
1. SECURE LIGHT FIXTURE TO WALL ACCORDING TO MANUFACTURER'S SPECIFICATIONS & REQUIREMENTS.

2 / A515 LIGHT FIXTURE MOUNTING DETAIL SIDING
3" = 1'-0"



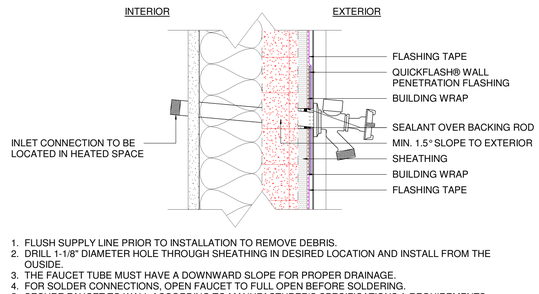
1. SECURE LIGHT FIXTURE TO WALL ACCORDING TO MANUFACTURER'S SPECIFICATIONS & REQUIREMENTS.

5 / A515 VENT MOUNTING DETAIL STONE
3" = 1'-0"



1. SECURE VENT TO WALL ACCORDING TO MANUFACTURER'S SPECIFICATIONS & REQUIREMENTS.

1 / A515 HOSE BIBB FLASHING DETAIL
3" = 1'-0"



1. FLUSH SUPPLY LINE PRIOR TO INSTALLATION TO REMOVE DEBRIS.
2. DRILL 1-1/8" DIAMETER HOLE THROUGH SHEATHING IN DESIRED LOCATION AND INSTALL FROM THE OUSIDE.
3. THE FAUCET TUBE MUST HAVE A DOWNWARD SLOPE FOR PROPER DRAINAGE.
4. FOR SOLDER CONNECTIONS, OPEN FAUCET TO FULL OPEN BEFORE SOLDERING.
5. SECURE FAUCET TO WALL ACCORDING TO MANUFACTURER'S SPECIFICATIONS & REQUIREMENTS.
6. FAUCET IS INTENDED FOR IRRIGATION USE AND OUTDOOR WATERING AND SHALL NOT BE SUBJECTED TO MORE THAN (12) HOURS OF CONTINUOUS WATER PRESSURE.

STATE OF COLORADO
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Job Number:	22014
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Project Phase
PERMIT

Sheet Title
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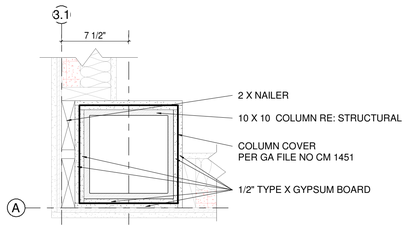
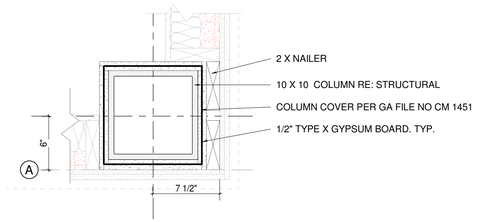
Sheet Number
A515

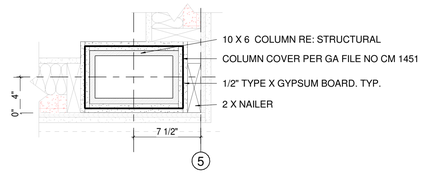
5/24/2024 1:53:37 PM THE ASTRID CONDO B7 v22



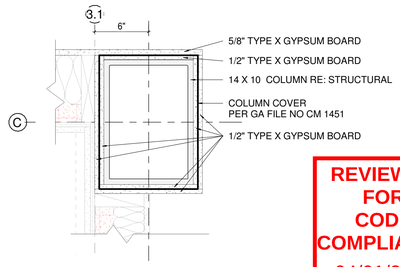
1 A516 RATED COLUMN AT A3.1
1 1/2" = 1'-0"



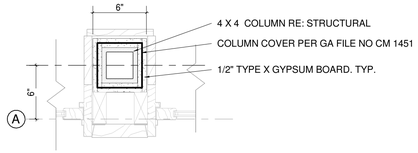
2 A516 RATED COLUMN AT A4
1 1/2" = 1'-0"



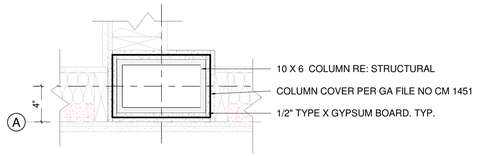
3 A516 RATED COLUMN AT A5
1 1/2" = 1'-0"



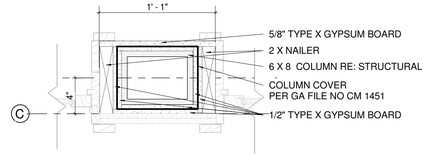
4 A516 RATED COLUMN AT C3.1
1 1/2" = 1'-0"



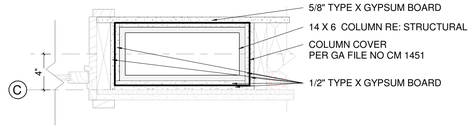
5 A516 RATED COLUMN AT GRID LINE A
1 1/2" = 1'-0"



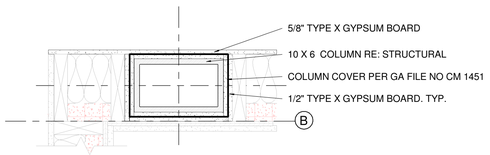
6 A516 RATED COLUMN AT GRID LINE A-2
1 1/2" = 1'-0"



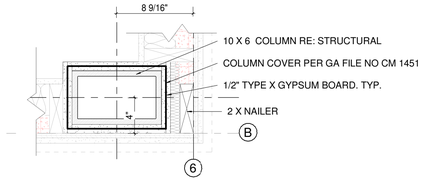
7 A516 RATED COLUMN AT GRID LINE C - 1
1 1/2" = 1'-0"



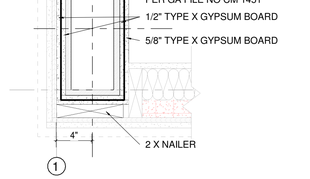
8 A516 RATED COLUMN AT GRID LINE C - 2
1 1/2" = 1'-0"



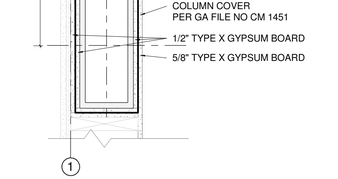
9 A516 RATED COLUMN B5
1 1/2" = 1'-0"



10 A516 RATED COLUMN B6
1 1/2" = 1'-0"



11 A516 RATED COLUMN DETAIL C1
1 1/2" = 1'-0"



12 A516 RATED COLUMN DETAIL E1
1 1/2" = 1'-0"

STATE OF COLORADO
ERIC P. SMITH
B-1112
MAY 24, 2024
LICENSED ARCHITECT

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REVIEWED
FOR
CODE
COMPLIANCE
04/01/2025

REVISIONS

No.	Description	Date
1	CITY COMMENTS	5/10/2024

ASTRID BUILDING 7
STEAMBOAT SPRINGS COLORADO

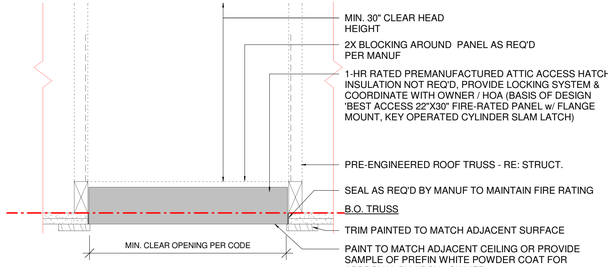
ERIC SMITH ASSOCIATES, P.C.
1919 SEVENTH STREET
BOULDER, COLORADO, 80302
(303) 442-3456, (303) 442-4745 FAX

Job Number:	22014
Date:	5/24/24
Drawn By:	ESA
Checked By:	ESA

Project Phase
PERMIT

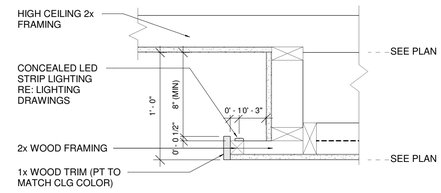
Sheet Title
RATED COLUMN DETAILS

Sheet Number
A516

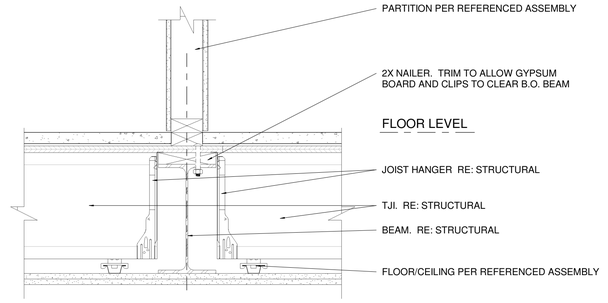


ATTIC ACCESS 22"X30" MIN. OPENING - COORDINATE EXACT LOCATION WITH STRUCTURAL TRUSS LAYOUT & VERIFY 30" MINIMUM VERTICAL CLEARANCE ABOVE. ATTIC ACCESS SHALL COMPLY WITH 2021 IBC SECTION 1209.2. LOCATION SHALL ALSO BE COORDINATED WITH THE ELECTRICAL LIGHTING LAYOUT.

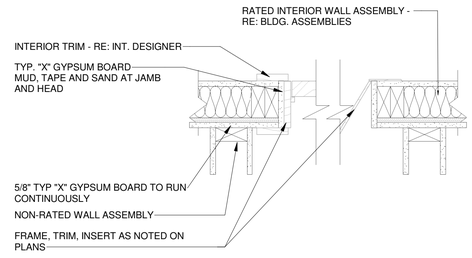
8 / A560 INTERIOR - ATTIC ACCESS HATCH DETAIL
1 1/2" = 1'-0"



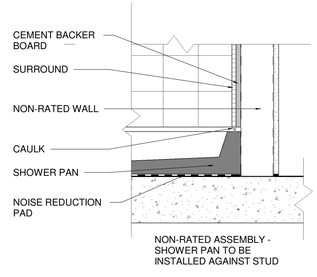
7 / A560 TYPICAL CEILING COVE DETAIL
1 1/2" = 1'-0"



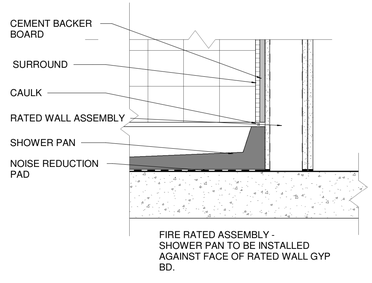
6 / A560 BEAM IN RATED FLOOR/CEILING
1 1/2" = 1'-0"



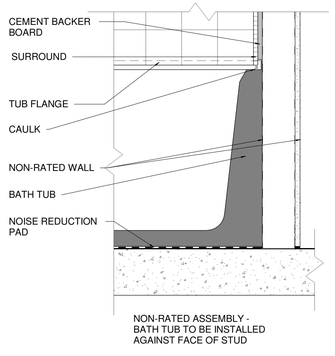
5 / A560 OPENING AT SHEAR WALL
1 1/2" = 1'-0"



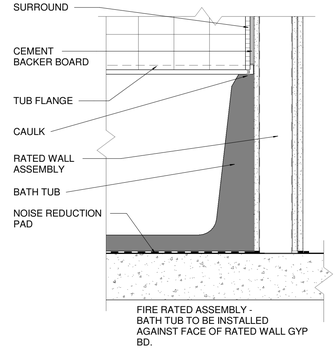
4 / A560 SHOWER DETAIL NON-RATED
1 1/2" = 1'-0"



3 / A560 SHOWER DETAIL RATED
1 1/2" = 1'-0"



2 / A560 TUB DETAIL NON-RATED
1 1/2" = 1'-0"



1 / A560 TUB DETAILS RATED
1 1/2" = 1'-0"

STATE OF COLORADO
ERIC P. SMITH
B-1112
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REVISIONS

No.	Description	Date

ASTRID BUILDING 7
STEAMBOAT SPRINGS COLORADO

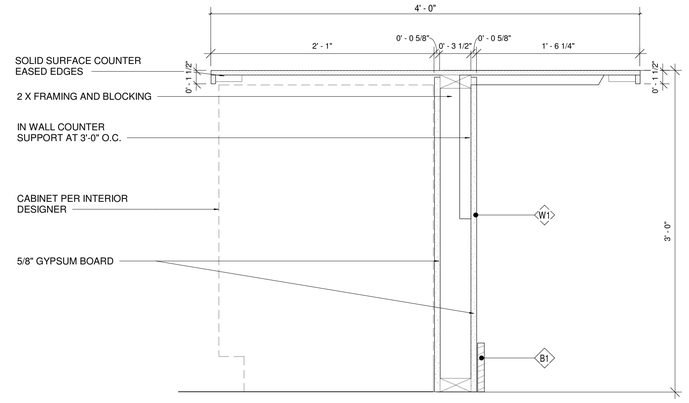
ERIC SMITH ASSOCIATES, P.C.
1919 SEVENTH STREET
BOULDER, COLORADO, 80302
(303) 442-5456, (303) 442-4745 FAX

Job Number:	22014
Date:	5/24/24
Drawn By:	ESA
Checked By:	ESA

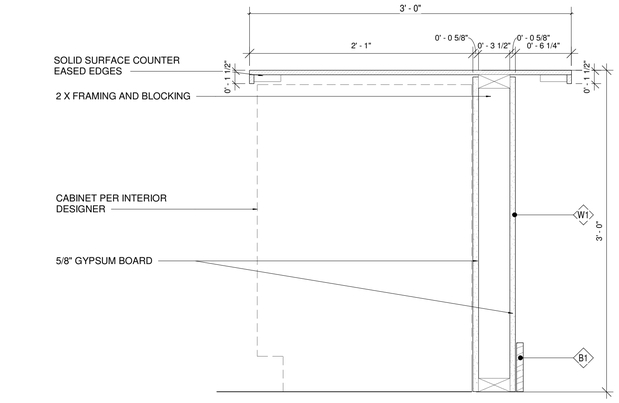
Project Phase
PERMIT

Sheet Title
INTERIOR DETAILS

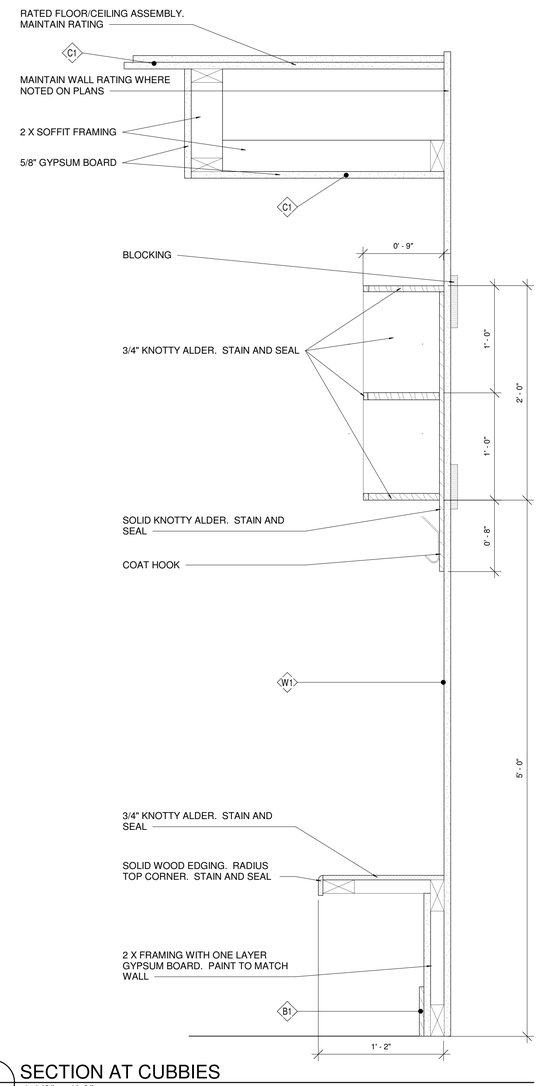
Sheet Number
A560



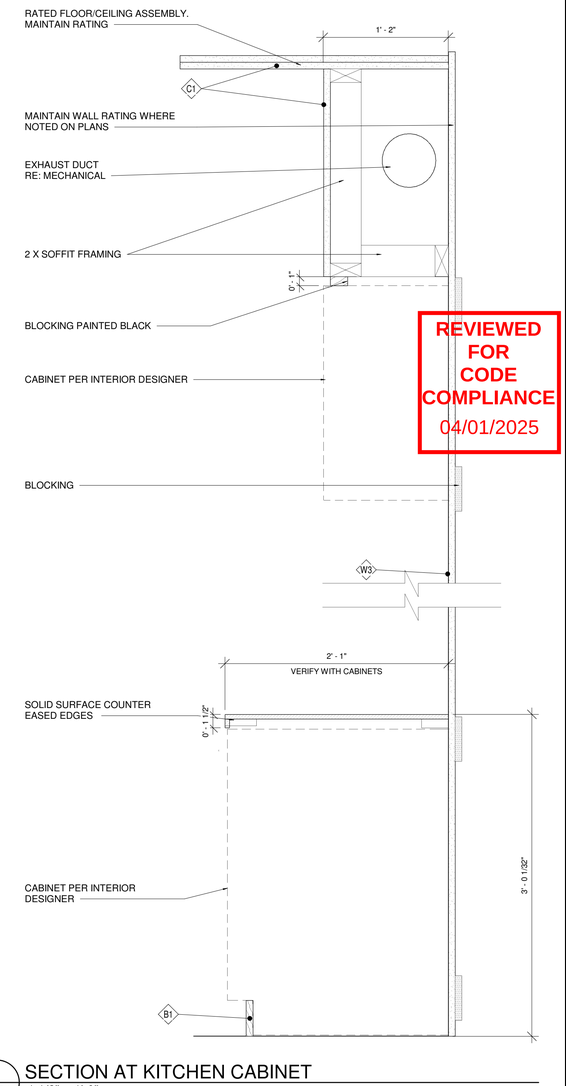
4 A561 SECTION AT KITCHEN ISLAND 4'-0"
1 1/2" = 1'-0"



3 A561 SECTION AT KITCHEN ISLAND 3'-0"
1 1/2" = 1'-0"



2 A561 SECTION AT CUBBIES
1 1/2" = 1'-0"



1 A561 SECTION AT KITCHEN CABINET
1 1/2" = 1'-0"

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STATE OF COLORADO
ERIC P. SMITH
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STEAMBOAT SPRINGS COLORADO

ERIC SMITH ASSOCIATES, P.C.
1919 SEVENTH STREET
BOULDER, COLORADO, 80302
(303) 442-5456, (303) 442-4745 FAX

Job Number:	22014
Date:	5/24/24
Drawn By:	ESA
Checked By:	ESA

Project Phase
PERMIT

Sheet Title
INTERIOR DETAILS

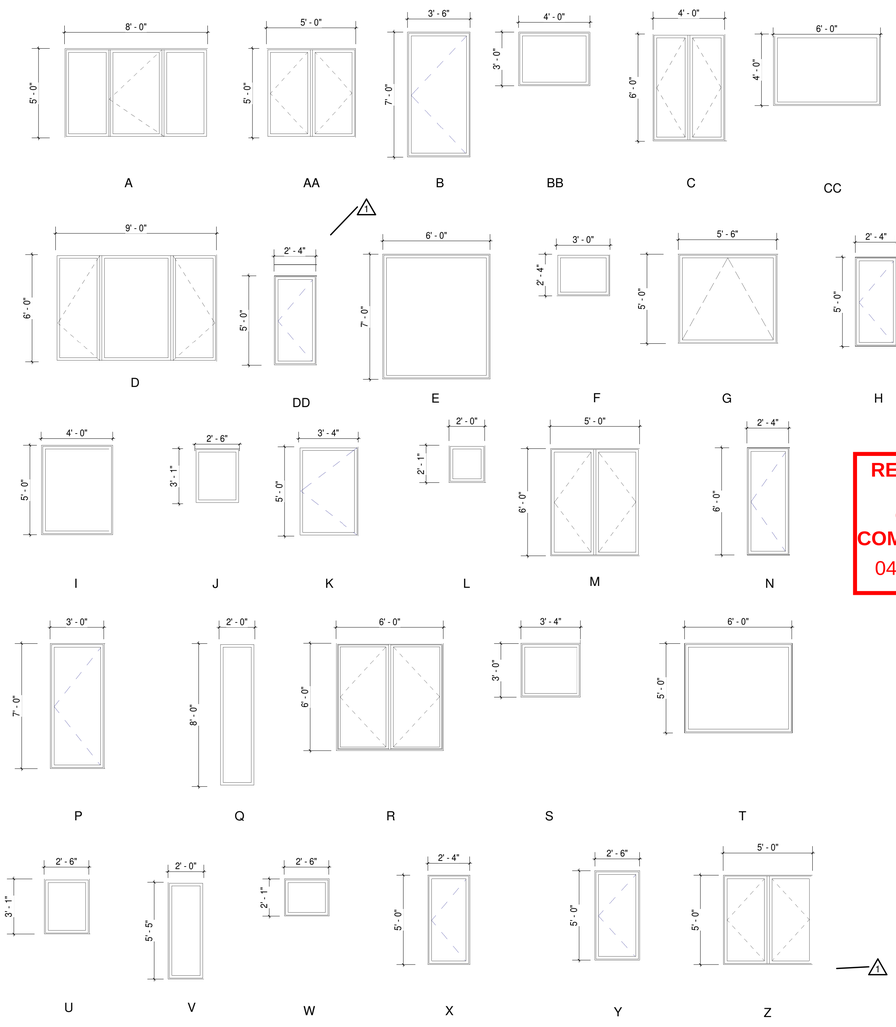
Sheet Number
A561

+88

Mark	Type	R.O. APPROX. Width	R.O. APPROX. Height	Manufacturer	Head	Jamb	Sill	Glazing Thickness	Glazing U-Value	Comments
A	Casement Triple center opening-	8' - 0"	5' - 0"	LOEWEN	<varies>	6/A520	7/A520	TRIPLE PANE	U-0.30	
B	Casement Single	3' - 6"	7' - 0"	LOEWEN	8/A520	9/A520	10/A520	TRIPLE PANE	U-0.30	
BB	Fixed -	4' - 0"	3' - 0"	LOEWEN	4/A520	-	5/A520	TRIPLE PANE	U-0.29	
CC	Fixed	6' - 0"	4' - 0"	LOEWEN	4/A520	6/A520	7/A520	TRIPLE PANE	U-0.30	
D	Casement Triple-	9' - 0"	6' - 0"	LOEWEN	4/A520	6/A520	7/A520	TRIPLE PANE	U-0.30	1
DD	<varies>	2' - 4"	<varies>	LOEWEN						
E	Fixed -	6' - 0"	7' - 0"	LOEWEN	<varies>	<varies>	<varies>	TRIPLE PANE	U-0.30	
F	Fixed -	3' - 0"	2' - 4"	LOEWEN	4/A520	6/A520	7/A520	TRIPLE PANE	U-0.29	
G	Awning	5' - 6"	5' - 0"	ACTIV WALL CUSTOM					U-0.38	
H	Casement Single	2' - 4"	5' - 0"	LOEWEN				TRIPLE PANE	U-0.30	
I	Fixed -	4' - 0"	5' - 0"	LOEWEN	5/A520	-	7/A520	TRIPLE PANE	U-0.29	
J	Fixed	2' - 6"	3' - 1"	LOEWEN				TRIPLE PANE		
K	Casement Single -	3' - 4"	5' - 0"	LOEWEN	4/A520	6/A520	7/A520	TRIPLE PANE	U-0.30	
I	Fixed	2' - 0"	2' - 1"	LOEWEN	<varies>	<varies>	<varies>	<varies>	<varies>	
M	Casement Double	5' - 0"	6' - 0"	LOEWEN	<varies>	<varies>	<varies>	TRIPLE PANE	U-0.30	
N	<varies>	2' - 4"	6' - 0"	<varies>	<varies>	<varies>	<varies>	<varies>	<varies>	
O	Fixed	2' - 6"	4' - 0"	LOEWEN				TRIPLE PANE		
P	Casement Single	3' - 0"	7' - 0"	LOEWEN	<varies>	<varies>	<varies>	<varies>	<varies>	
Q	Fixed	2' - 0"	8' - 0"	LOEWEN				TRIPLE PANE		
R	Casement Double	6' - 0"	6' - 0"	LOEWEN	4/A520	6/A520	7/A520	TRIPLE PANE	U-0.30	
S	Fixed	3' - 4"	3' - 0"	LOEWEN	4/A520	6/A520	7/A520	TRIPLE PANE	U-0.29	
T	Fixed	6' - 0"	5' - 0"	LOEWEN	4/A520	6/A520	7/A520	TRIPLE PANE	U-0.30	
U	Fixed	2' - 6"	3' - 1"	LOEWEN	4/A520	6/A520	7/A520	TRIPLE PANE	U-0.29	
V	Fixed	2' - 0"	5' - 5"	LOEWEN	4/A520	6/A520	7/A520	TRIPLE PANE	U-0.30	
W	<varies>	<varies>	<varies>	<varies>				<varies>		
X	Casement Single	2' - 4"	6' - 0"	LOEWEN				TRIPLE PANE	U-0.30	
Y	Casement Single - -	2' - 6"	5' - 0"	LOEWEN	5/A520	6/A520	7/A520	TRIPLE PANE	U-0.30	1
z	Casement Double	5' - 0"	5' - 0"	LOEWEN	4/A520	6/A520	7/A520	TRIPLE PANE	U-0.30	

Grand total: 91

1. CONTRACTOR TO VERIFY CODE REQUIREMENTS FOR EGRESS WINDOWS AND REPORT ANY DISCREPANCIES TO ARCHITECT.
2. CONTRACTOR TO VERIFY CONFORMANCE TO CODE REQUIREMENTS FOR LOCATIONS OF TEMPERED GLASS. TEMPERED GLASS TO BE LOCATED AT THE FOLLOWING AREAS:
   A. WITHIN A 24" ARC OF DOORS (OPEN OR CLOSED) OR OTHER AEAS SUBJECT TO HUMAN IMPACT.
   B. USED IN DOORS.
   C. ALL BATHTUB DECK LOCATIONS AND IN SHOWER LOCATIONS.
   D. SEE 2021 IBC SECTION 2406 ALONG WITH ANY STEAMBOAT SPRINGS OR ROUTT COUNTY CODE AMENDMENTS FOR ANY ADDITIONAL LOCATIONS NOT LISTED ABOVE
3. VERIFY WINDOWS & DOORS WITH OWNER FOR STYLE, OPERABLE LOCATIONS/TYPE OF OPERATION, MATERIAL, COLOR, SIZE AND QUANTITY BEFORE ORDERING.
4. PER 2021 IECC TABLE C402.4 ALL GLAZED FENESTRATION WINDOW AND DOOR SHOULD HAVE U- FACTOR (FIXED) U-0.29, (OPERABLE) U-0.36, AND (ENTRANCE DOORS) U-0.63 OR LESS
5. G.C. TO VERIFY NO VENTILATION DUCTS ARE WITHIN 3'-0" OF OPERABLE WINDOW OR DOOR.



WINDOW ELEVATIONS
1/4" = 1'-0"

Provide and install all products for construction to industry standard including all related ASTM standards and product manufacturer's installation and specification requirements.

REVIEWED FOR CODE COMPLIANCE
04/01/2025

STATE OF COLORADO
ERIC P. SMITH
B-1112
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No.	Description	Date
1	CITY COMMENTS	5/10/2024

ASTRID BUILDING 7
STEAMBOAT SPRINGS COLORADO

ERIC SMITH ASSOCIATES, P.C.
1919 SEVENTH STREET
BOULDER, COLORADO, 80302
(303) 442-5456, (303) 442-4745 FAX

Job Number:	22014
Date:	5/24/24
Drawn By:	ESA
Checked By:	ESA

Project Phase
PERMIT

Sheet Title
WINDOW SCHEDULES AND ELEVATIONS

Sheet Number
A600

Door Schedule

Door NO.	Style	DOOR Width	DOOR Height	Fire Rating	Comments	Glass Type
1	LOEWEN SINGLE SWING	3' - 4"	8' - 0"		ELECTRONIC ENTRY - CRESTONE OR SIMILAR	
2	LOEWEN SINGLE SWING	3' - 0"	8' - 0"		ELECTRONIC ENTRY - CRESTONE OR SIMILAR	
3	SINGLE SWING EXTERIOR	3' - 0"	8' - 0"	0 MIN.	INSULATED	
4	LOEWEN MULTI-SLIDE-3 SECTION	9' - 0"	8' - 0"		AIR FILLED, TRIPLE PANE	Tempered
5	DOOR-DOUBLE-SLIDING	12' - 0"	9' - 0"		AIR FILLED, TRIPLE PANE	
6	OVERHEAD SECTIONAL DOOR	16' - 0"	8' - 0"		INSULATED	
7	SINGLE SWING EXTERIOR	3' - 0"	8' - 0"	90 MIN.	LOCKING WITH EGRESS FUNCTION FROM DECK	
8	SINGLE SWING EXTERIOR	3' - 0"	8' - 0"	20-MIN.	<varies>	
9	SINGLE SWING INTERIOR	3' - 0"	8' - 0"	20-MIN.	ELECTRONIC ENTRY - CRESTONE OR SIMILAR	
11	LOEWEN SINGLE SWING	3' - 0"	8' - 0"			
20	SINGLE SWING INTERIOR	2' - 10"	8' - 0"		PASSAGE FUNCTION	
21	SINGLE SWING INTERIOR	2' - 10"	8' - 0"		PRIVACY FUNCTION	
22	BARN DOOR - INTERIOR	3' - 0"	8' - 0"		EXPOSED RAIL AND TROLLEY	
23	BI-PASS INTERIOR	6' - 0"	8' - 0"		PROVIDE PANEL TO CONCEAL HARDWARE	
25	DOUBLE SWING - INTERIOR	4' - 0"	8' - 0"		(2) ROLLER LATCH WITH FULL LIP STRIKE	
26	DOUBLE SWING - INTERIOR	5' - 0"	8' - 0"		(2) ROLLER LATCH WITH FULL LIP STRIKE	
27	SINGLE SWING INTERIOR	1' - 9"	8' - 0"		PASSAGE FUNCTION	
28	SINGLE SWING INTERIOR	2' - 10"	8' - 0"		LOCKING FUNCTION	
29	BI-PASS INTERIOR	5' - 0"	8' - 0"		PROVIDE PANEL TO CONCEAL HARDWARE	
30	DOUBLE SWING - INTERIOR	6' - 0"	8' - 0"		INSULATED, NON-COMBUSTIBLE	

Grand total: 121

Provide and install all products for construction to industry standard including all related ASTM standards and product manufacturer's installation and specification requirements.

REVIEWED FOR CODE COMPLIANCE
04/01/2025

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B-1112
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No.	Description	Date

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STEAMBOAT SPRINGS COLORADO

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

Job Number:	22014
Date:	5/24/24
Drawn By:	ESA
Checked By:	ESA

Project Phase
PERMIT

Sheet Title
DOOR SCHEDULES AND ELEVATIONS

Sheet Number
A610