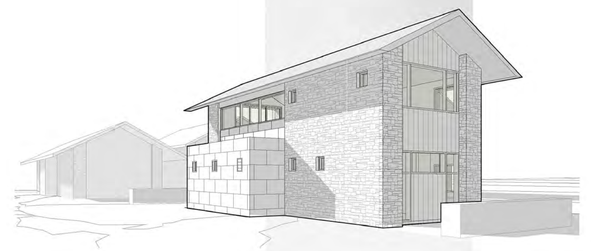


PROSPECT
STUDIO

Casita Magee

Teton Village, Wy

100% CONSTRUCTION DOCUMENTS

02/16/22

ABBREVIATIONS

@	AT	FOM	FACE OF MASONRY	R	RISER
℄	CENTERLINE	FOS	FACE OF STUDS	RA	RETURN AIR
℗	PROPERTY LINE	FP	FIREPROOF	RAD	RADIUS
ø	DIAMETER	FPL	FIREPLACE	RD	ROOF DRAIN
#	POUND OR NUMBER	FR	FRAME	REF	REFERENCE
(E)	EXISTING	FT	FOOR OR FEET	REFR	REFRIGERATOR
(N)	NEW	FTG	FOOTING	REG	REGISTER
		FURR	FURRING	REINF	REINFORCED
AB	ANCHOR BOLT	FUT	FUTURE	REM	REMAINDER
ABV	ABOVE	FW	FULL WIDTH	REQ	REQUIRED
ACC	ACCESS			RESIL	RESILIENT
ACOUS	ACOUSTICAL	GA	GAUGE	REV	REVISION; REVISIONS; REVISED
ACP	ASPHALT CONCRETE PAVING	GALV	GALVANIZED	RH	RIGHT HAND
ACS	ACCESS PANEL	GC	GENERAL CONTRACTOR	RM	ROOM
ACT	ACOUSTICAL TILE	GL	GLASS	RO	ROUGH OPENING
AD	AREA DRAIN	GLAM	GLUE-LAMINATED	RWL	RAIN WATER LEADER
ADA	AMERICANS with DISABILITIES	GR	GRADE		
ADJ	ADJUSTABLE	GWB	GYPSUM WALL BOARD	S	SOUTH
AFF	ABOVE FINISHED FLOOR	GYP	GYPSUM	SAF	SELF-ADHERED FLASHING
AGGR	AGGREGATE			SAM	SELF-ADHERED MEMBRANE
AIB	AIR INFILTRATION BARRIER	HB	HOSE BIBB	SC	SOLID CORE
ALT	ALTERNATE	HC	HOLLOW CORE	SCHED	SCHEDULE
ALUM	ALUMINUM	HDO	HIGH DENSITY OVERLAY	SD	SMOKE DETECTOR
ARCH	ARCHITECTURAL	HDR	HEADER	SECT	SECTION
ASPH	ASPHALT	HDWD	HARDWOOD	SG	SAFETY GLASS
		HDW	HARDWARE	SHV	SHELF; SHELVING
BD	BOARD	HM	HOLLOW METAL	SHR	SHOWER
BITUM	BITUMINOUS	HP	HIGH POINT	SHT	SHEET
BLDG	BUILDING	HR	HOUR	SHT MTL	SHEET METAL
BLKG	BLOCKING	HT	HEIGHT	SHTG	SHEATHING
BM	BEAM	HVAC	HEATING/VENTILATING/AIR	SIM	SIMILAR
BO	BOTTOM OF...		CONDITIONING	SOG	SLAB ON GRADE
BOT	BOTTOM	HW	HOT WATER	SPEC	SPECIFICATION
BRG	BEARING	HWT	HOT WATER TANK	SQ FT	SQUARE FOOT (FEET)
BSMT	BASEMENT			SQ IN	SQUARE INCH(ES)
BUR	BUILT UP ROOFING	ID	INSIDE DIAMETER	SS	STAINLESS STEEL
		IN	INCH	STD	STANDARD
CAB	CABINET	INCL	INCLUDED	STL	STEEL
CB	CATCH BASIN	INSUL	INSULATION	STOR	STORAGE
CEM	CEMENT	INT	INTERIOR	STRUCT	STRUCTURAL
CER	CERAMIC	INV	INVERT	SUSP	SUSPENDED
CIP	CAST-IN-PLACE			SYM	SYMMETRICAL
CJ	CONTROL JOINT	JB	JUNCTION BOX		
CLG	CEILING	JF	JOINT FILLER	T&G	TONGUE AND GROOVE
CLK	CAULKING	JT	JOINT	TEL	TELEPHONE
CLO	CLOSET			TER	TERRAZZO
CLR	CLEAR	KIT	KITCHEN	TG	TEMPERED GLASS
CMU	CONCRETE MASONRY UNIT			THK	THICK
CNTR	COUNTER	LAM	LAMINATE, LAMINATED	TO	TOP OF...
COL	COLUMN	LAV	LAVATORY	TOB	TOP OF BEAM
CONC	CONCRETE	LBS	POUNDS	TOC	TOP OF CONCRETE; CURB
CONN	CONNECTION	LF	LINEAR FOOT (FEET)	TOF	TOP OF FLOOR; FOOTING; FRAME
CONST	CONSTRUCTION	LH	LEFT HAND	TOM	TOP OF MASONRY
CONT	CONTINUOUS	LL	LIVE LOAD	TOP	TOP OF PARAPET; PAVEMENT
CONTR	CONTRACTOR	LOC	LOCATION	TOPO	TOPOGRAPHY
CORR	CORRIDOR	LP	LOW POINT	TOS	TOP OF SLAB; STEEL
CPT	CARPET; CARPETED	LT	LIGHT	TOW	TOP OF WALL
CRS	COLD ROLLED STEEL			TS	TUBE STEEL
CSK	COUNTERSUNK	MAS	MASONRY	TSTAT	THERMOSTAT
CT	CERAMIC TILE	MAX	MAXIMUM	TYP	TYPICAL
CTR	CENTER	MC	MEDICINE CABINET		
CU FT	CUBIC FEET	MDF	MEDIUM DENSITY FIBERBOARD	UNO	UNLESS NOTED OTHERWISE
		MDO	MEDIUM DENSITY OVERLAY		
DBL	DOUBLE	MECH	MECHANICAL	VB	VINYL BASE
DEMO	DEMOLITION	MEMB	MEMBRANE	VEN	VENEER
DET	DETAIL	MEZZ	MEZZANINE	VERT	VERTICAL
DIA	DIAMETER	MFR	MANUFACTURER	VEST	VESTIBULE
DIM	DIMENSION	MIN	MINIMUM	VG	VERTICAL GRAIN
DL	DEAD LOAD	MIR	MIRROR	VIF	VERIFY IN FIELD
DN	DOWN	MISC	MISCELLANEOUS	VT	VINYL TILE
DR	DOOR	MO	MASONRY OPENING		
DR OPNG	DOOR OPENING	MTD	MOUNTED	W	WEST
DS	DOWNSPOUT	MTL	METAL	W/	WITH
DSP	DRY STANDPIPE	MUL	MULLION	W/O	WITHOUT
DT	DRAIN TILE			WC	WATER CLOSET
DW	DISHWASHER	N	NORTH	WD	WOOD
DWG	DRAWING	N/A	NOT APPLICABLE	WDW	WINDOW
		NIC	NOT IN CONTRACT	WF	WIDE FLANGE
E	EAST	NO	NUMBER	WF BM	WIDE FLANGE BEAM
EA	EACH	NOM	NOMINAL	WG	WIRED GLASS
EJ	EXPANSION JOINT	NR	NOISE REDUCTION	WH	WATER HEATER
EL	ELEVATION	NTS	NOT TO SCALE	WL	WATER LINE
ELEC	ELECTRICAL			WLD	WELDED
ELEV	ELEVATOR	OA	OVERALL	WP	WATERPROOF
ENCL	ENCLOSURE	OC	ON CENTER	WPM	WATERPROOF MEMBRANE
EQ	EQUAL	OD	OUTSIDE DIAMETER	WR	WATER RESISTANT
EQUIP	EQUIPMENT		OVERFLOW DRAIN	WSCT	WAINSCOT
EST	ESTIMATE	OFF	OFFICE	WSG	WIRE SAFETY GLASS
EW	EACH WAY	OH	OVERHEAD	WTR	WATER
EXH FN	EXHAUST FAN	OHWM	ORDINARY HIGH WATER MARK	WWF	WELDED WIRE FABRIC
EXIST	EXISTING	OPNG	OPENING	WWM	WELDED WIRE MESH
EXP	EXPANDED; EXPANSION	OPP	OPPOSITE	WT	WEIGHT
EXP BT	EXPANSION BOLT	OSB	ORIENTED STRAND BOARD		
EXPO	EXPOSED				
EXT	EXTERIOR	PBD	PARTICLE BOARD		
		PCC	PRECAST CONCRETE		
FA	FIRE ALARM	PCF	POUNDS PER CUBIC FOOT		
FD	FLOOR DRAIN	PERF	PERFORATED		
FE	FIRE EXTINGUISHER	PERP	PERPENDICULAR		
FF EL	FINISH FLOOR ELEVATION	PL	PLATE		
FIN FLR	FINISH FLOOR	PLAM	PLASTIC LAMINATE		
FF	FINISH TO FINISH	PLAS	PLASTER		
FIN	FINISH	PLY	PLYWOOD		
FLASH	FLASHING	PNL	PANEL		
FLR	FLOOR; FLOORING	PNT	POINT		
FLUOR	FLUORESCENT	PR	PAIR		
FOC	FACE OF CONCRETE	PRCST	PRECAST		
FOF	FACE OF FINISH	PSF	POUNDS PER CUBIC FOOT		
FOIC	FURNISHED BY OWNER - INSTALLED BY CONTRACTOR	PSI	POUNDS PER SQUARE INCH		
		PT	PRESERVATIVE TREATED		
		PTN	PARTITION		
		PVC	POLYVINYL CHLORIDE		

GENERAL NOTES

1. The General Contractor shall obtain all required Building Permits and agency approvals. The General Contractor shall provide the Owner with copies of permits, licenses, certifications, inspection reports, receipts for payment, and all similar documents.
2. All work shall be done in accordance with all applicable, currently adopted federal, state, and local codes and requirements and their amendments including but not limited to, the International Building Code, the International Residential Code, the National Electric Code, the Uniform Plumbing Code, the Uniform Mechanical Code, and applicable DEQ regulations.
3. The General Contractor and all subcontractors shall inspect the site before beginning work and identify any conflicts or inconsistencies between the Contract Documents and the existing conditions.
4. The General Contractor shall notify the Architect of conditions which require deviation from constructing the work as indicated in the Contract Documents.
5. Do not scale drawings. Large scale drawings take precedence over smaller scale drawings. Contact Architect for any undocumented dimensions or clarification of any dimensional discrepancies.
6. The presence of the Architect on the job site does not imply approval of any work. The General Contractor must call specific items to the attention of the Architect if he wishes to obtain the Architect's approval.
7. The General Contractor shall submit all proposed substitutions in writing to the Architect & Owner for approval with samples, cost impacts, and sufficient information for evaluation. If a revision or substitution is made without the Architect's written approval that does not conform to these Contract Documents, it will relieve the Architect of any liability from the resulting aesthetic effect, subsequent failure, property damage, or personal injury.
8. The General Contractor shall perform high quality, professional work. The work of each trade shall meet or exceed all quality standards published by that trade.
9. The General Contractor shall arrange to accommodate "Not in Contract" work and shall request instructions from the Architect before proceeding.
10. The General Contractor shall protect all newly installed materials, finishes, and assemblies from damage throughout construction.
11. The General Contractor shall halt the work affected when notified of a proposed change and proceed only after receiving written instructions from the Architect.
12. The General Contractor shall comply with the rules of Teton County and the direction of the Owner for construction site facilities, use of premises, access to the site, and trash removal.
13. It is the responsibility of the General Contractor to complete all construction according to the 2018 International Residential Code incl. adopted Amendments and the 2012 International Energy Conservation Code as determined by Teton County, WY.

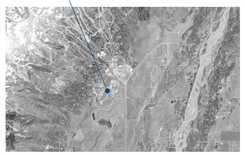
Teton County Planning & Development Department
200 S. Willow St.
PO Box 1727
Jackson, WY 83001
307-733-7030

AREA CALCULATION

Habitable:	1000 sf
Non-Habitable:	448 sf
TOTAL AREA:	1,448 sf

PROJECT ADDRESS

6930 Jensen Canyon Road
Teton Village, WY
1.17 Acres



CODE ANALYSIS

2018 International Residential Code including Amendments adopted by Teton County, WY

Occupancy: Single Family Dwelling

Construction Type: Type VB

Levels: 2 Above Grade, None Below

Max Building Height: 30'-0" above finished Grade

Zoning: PR - Planned Resort

Subdivision: Shooting Star 1st Filing

FIRE SAFETY

Project is located in the Wildland Urban Interface as mapped by Teton County, WY

Hazard Rating: Below Moderate (37)

Water Supply: Conforming

Ignition Resistant Construction Type: IR-3

Area fire hazard falls below IWUIC minimum, therefore, no ignition resistant construction shall be required.

SITE/LANDSCAPE

Elevation 6,283.50' = 100'-0" (Garage Level)

Elevation 6,284.00' = 100' - 6" (Main Level)

PROJECT DIRECTORY

SITE ADDRESS:
6930 Jensen Canyon Rd
Teton Village, WY 83025

OWNER:
Blake and Ana Magee
6930 Jensen Canyon Rd
Teton Village, WY 83025

ARCHITECT:
Prospect Studio
4030 W. Lake Creek Drive - Suite 104
PO BOX 1870
Wilson, WY 8 3014
T: 307.264.2600
Contact: Matt Thackray
matt@prsopectjh.com

INTERIOR DESIGNER:
CLB Architects
King Street Studio
215 South King Street
Jackson, WY 83001
T: 307.733.4000
Contact: Cynthia Tibbitts
ctibbitts@clbarchitects.com

CIVIL ENGINEER:
Nelson Engineering
430 South Cache Street
Jackson, Wyoming 83001
T: 307-733-2087
Contact: Dave Dufault
ddufault@nelsonengineering.net

LANDSCAPE ARCHITECT:
Agrostis Inc.
560 South Glenwood Street
Jackson, Wyoming 83001
T: 307-739-1001
Contact: Jason Snider
rachael@hershbergerdesign.com

STRUCTURAL ENGINEER:
KLA Engineers & Builders
1717 Washington Avenue, #100
Golden, Colorado 80401
T: 303-384-9910
Contact: Rachel Harper
rharper@klaa.com

MEP ENGINEER:
Energy 1
3500 South Cornerstone Road, Building 1
Jackson, WY 83001
T: 307-200-2210
Contact: Joe Serre
jserre@energy-1.net

LIGHT DESIGNER:
Helius Lighting Group
814 Bamberger Drive, Suite C
American Fork, UT 84003
T: 801-463-1111
Contact: Jared britton
j.britton@heliuslighting.com

SHEET INDEX

PROSPECT STUDIO
4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

LICENSED ARCHITECT MATTHEW A. THACKRAY C-3167 STATE OF WYOMING

16 February 22

Revisions

No.	Issued For	Issue Date
1	SCHEMATIC DESIGN	13 Jan 21
2	PERMIT SET	8 April 21
4	CORE & SHELL	3 September 21
5	100% CONSTRUCTION DOCUMENTS	16 February 22

Casita Magee

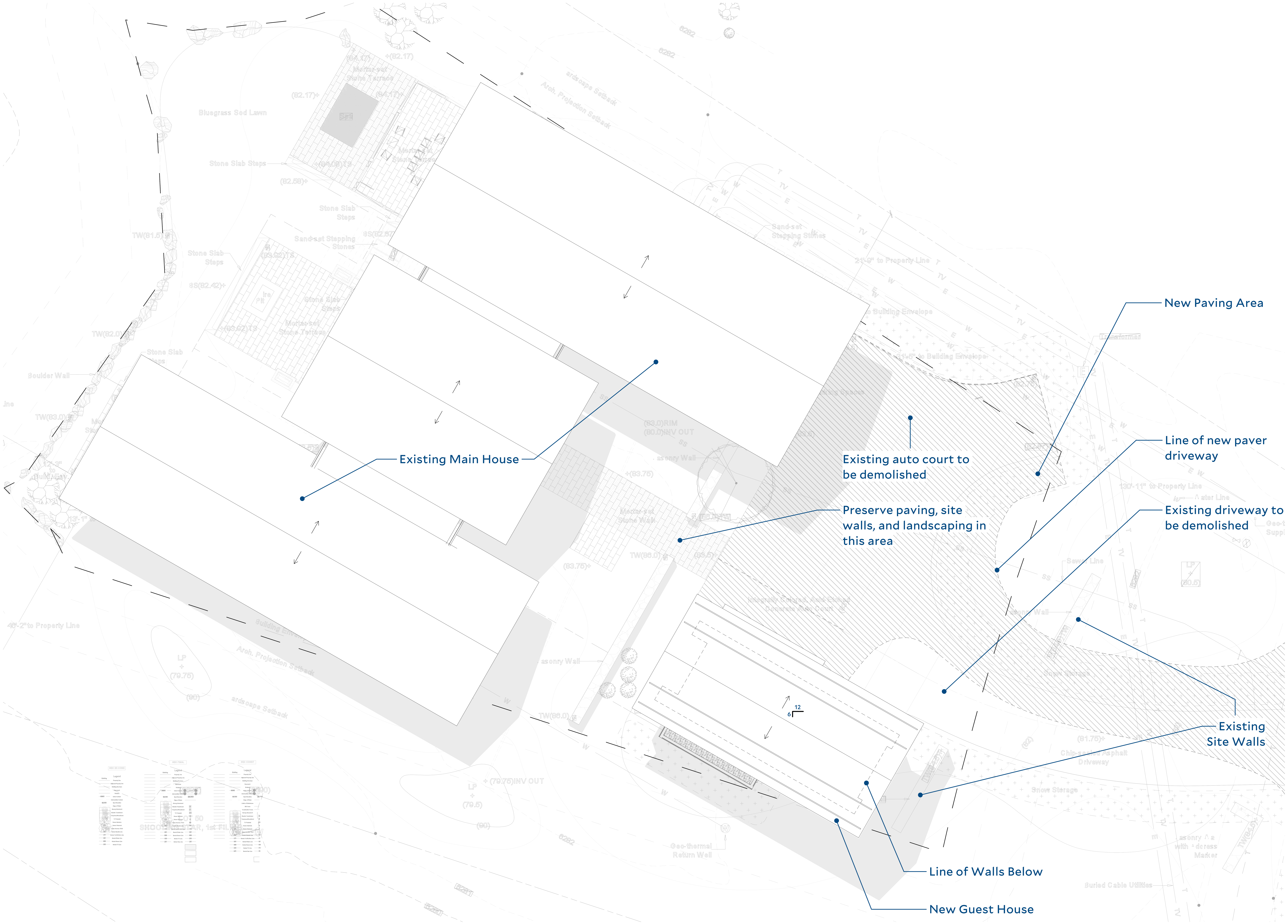
Teton Village, Wy

Project No. : 2022.00 Drawn: ZPN
Scale: 1/4" = 1'-0" Checked: MAT

Sheet
General Notes

Sheet
G101

2/17/2022 3:37:43 PM



PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

LICENSED ARCHITECT MATTHEW A. THACKRAY C-3367 STATE OF WYOMING

16 February 22

Revisions

No.	Issued For	Issue Date
2	PERMIT SET	8 April 21
5	100% CONSTRUCTION DOCUMENTS	16 February 22

Casita Magee

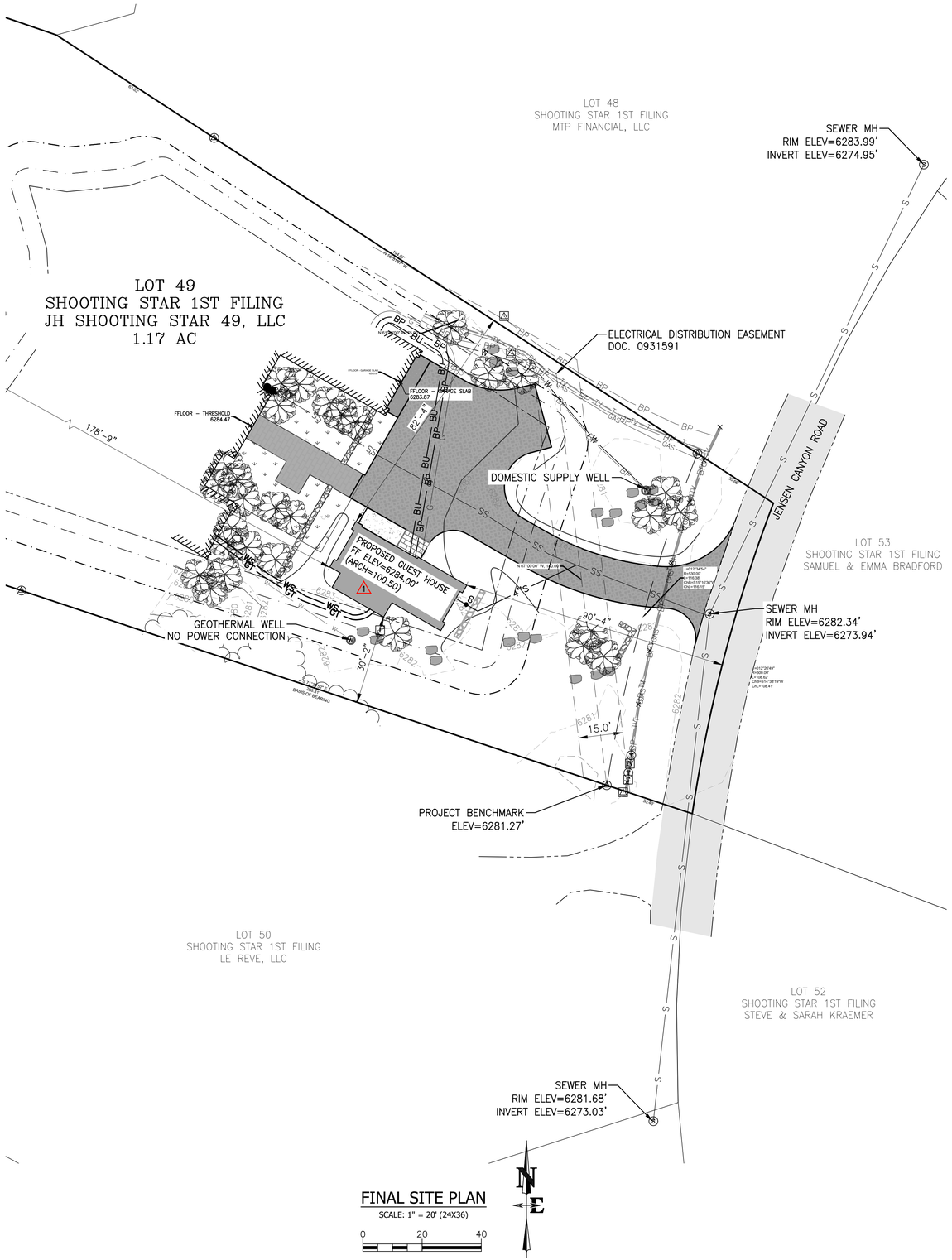
Teton Village, Wy

Project No.: 2022.00 Drawn: ZPN
Scale: 1/8" = 1'-0" Checked: MAT

Sheet
Reference Site Plan

Sheet
G102

2/16/2022 2:32:33 PM



FINAL SITE PLAN

SCALE: 1" = 20' (24X36)

0 20 40

LEGEND (DESIGN)

- 6325 — INDEX CONTOUR
- MINOR CONTOUR
- WS — WS — WATER SERVICE
- GT — GT — GEOTHERMAL SERVICE
- SS — SS — EXISTING SEWER SERVICE
- 4"S — 4"ø SEWER LINE
- BU — BU — BURIED UTILITIES
- BP — BP — BURIED POWER
- G — BURIED GAS
- LD — LD — LIMITS OF DISTURBANCE
- FLOWLINE DITCH/SWALE
- SW — SW — STRAW WATTLE
- CF — CF — CONSTRUCTION FENCE
- SNOW STORAGE
- STAGING AREA
- DETENTION AREA
- CS — CURB STOP
- WV — WATER VALVE
- CO — SEWER CLEANOUT
- POWER TRANSFORMER
- P — POWER/UTILITY METER
- G — GAS METER
- PV — POWER VAULT
- S — SEWER MANHOLE

SITE CONSTRUCTION NOTES & SPECIFICATIONS

CAUTION: UNDERGROUND UTILITY LOCATIONS ARE NOT GUARANTEED, NOR IS THERE ANY GUARANTEE THAT ALL EXISTING UTILITIES (WHETHER FUNCTIONAL OR ABANDONED) WITHIN THE PROJECT AREA ARE SHOWN ON THESE CONSTRUCTION DRAWINGS. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES BEFORE STARTING WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE RESULTING FROM CONTRACTORS WORK.

1. ALL SITE WORK SHALL BE DONE IN ACCORDANCE WITH WYOMING PUBLIC WORKS STANDARD SPECIFICATIONS (WPWSS) 2015 EDITION AND THESE PLANS.
2. CONTRACTOR REQUIRED TO MEET WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY'S STORMWATER PERMIT REQUIREMENTS.
3. IT IS RECOMMENDED THAT THE CONTRACTOR EMPLOY A SURVEYOR TO PROVIDE STAKING FOR LOCATIONS OF FOUNDATIONS, UTILITIES, DRIVEWAY, AND FOR GRADING WORK.
4. STRIPPED MATERIAL SHALL BE STOCKPILED AT STOCKPILE AREAS SHOWN ON PLAN, CUT MATERIAL WILL BE PLACED DIRECTLY INTO FILL AREAS OR STOCKPILED. SEE SHEET C4.0 FOR STAGING AND STOCKPILING LOCATIONS.
5. TOPSOIL SHALL BE STOCKPILED SEPARATELY & REUSED TO COVER FINISH AREAS. IMPORT ADDITIONAL WEED–FREE TOPSOIL IF NECESSARY TO COVER ALL DISTURBED AREAS NOT RECEIVING SURFACING. LEAVE SUBGRADE DOWN 4–6" TO RECEIVE TOPSOIL IN LANDSCAPE AREAS.
6. INSTALL EROSION CONTROL MEASURES PRIOR TO COMMENCING WITH LAND DISTURBING ACTIVITIES AND MAINTAIN THE DEVICES DURING CONSTRUCTION. IF NECESSARY THE CONTRACTOR SHOULD INSTALL AND MAINTAIN ADDITIONAL EROSION CONTROL MEASURES TO ENSURE THE SITE IS STABILIZED DURING CONSTRUCTION.
7. REVEGETATION SHALL BE PER LANDSCAPE PLANS PREPARED BY OTHERS.
8. CONTRACTOR MUST HAVE A WEED CONTROL PLAN PREPARED BY TETON COUNTY WEED AND PEST OR OTHER WEED SPECIALIST AND IMPLEMENT THE PLAN THROUGHOUT CONSTRUCTION. SEE NOTES THIS SHEET FOR WEED MANAGEMENT REQUIREMENTS.
9. LAND DISTURBING ACTIVITIES SHALL OCCUR FROM SUMMER 2021 THROUGH FALL 2022.
10. CONTRACTOR SHOULD COORDINATE THE INSTALLATION OF WIRE UTILITY SERVICES WITH UTILITY PROVIDERS AND ARRANGE INSTALLATION AND SERVICE CONTRACTS.
11. CONTRACTOR SHALL COMPLY WITH THE FOLLOWING CONSTRUCTION MANAGEMENT REQUIREMENTS:
    A. CONSTRUCTION PARKING AND STAGING SHALL OCCUR ALONG THE DRIVEWAY, WITHIN THE STAGING AREA, AND AT THE LOT FRONTAGE. STAGING W/IN PUBLIC RIGHT–OF–WAYS IS PROHIBITED W/OUT AN ENCROACHMENT PERMIT.
    B. STAGE MATERIALS AND EQUIPMENT WITHIN THE LOT BOUNDARY AND IN ACCORDANCE WITH SHEET C4.0. NO STAGING WITHIN PUBLIC RIGHT–OF–WAY IS ALLOWED.
    C. TRACK–OUT OF DEBRIS ON PUBLIC ROADS IS PROHIBITED. PLACE GRAVEL SURFACING.
    D. LOCATE AND PROVIDE TEMPORARY CONSTRUCTION FACILITIES INCLUDING TRAILERS, TOILETS, DUMPSTERS AND LOCATIONS FOR CONCRETE WASHOUT W/IN THE LOT BOUNDARY.
    E. DUST CONTROL MUST BE ACCOMPLISHED BY WATERING STOCKPILES AND DRY SOILS.
14. NEW BUILDING CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE CODES INCLUDING, BUT NOT LIMITED TO THE MOST CURRENT EDITIONS OF THE INTERNATIONAL FIRE CODE (IFC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), INTERNATIONAL RESIDENTIAL CODE (IRC), THE NATIONAL ELECTRIC CODE (NEC) AND INTERNATIONAL BUILDING CODE (IBC).

TETON COUNTY WEED AND PEST MANAGEMENT STRATEGIES

PRE–CONSTRUCTION MANAGEMENT STRATEGIES TO BE PERFORMED BY CONTRACTOR:

1. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL CONTACT THE TETON COUNTY WEED & PEST, OR OTHER QUALIFIED PROFESSIONAL, TO CONDUCT A SITE SPECIFIC INVENTORY OF INVASIVE SPECIES AND CREATE A SPECIES SPECIFIC MANAGEMENT PLAN IN ACCORDANCE WITH TETON COUNTY LDR 5.7.2.

ACTIVE CONSTRUCTION MANAGEMENT STRATEGIES TO BE PERFORMED BY CONTRACTOR:

1. ALL CONSTRUCTION EQUIPMENT TO BE CLEANED PRIOR TO ENTERING THE SITE.
2. SOIL STOCKPILES TO BE ROUTINELY CHECKED AND TREATED FOR INVASIVE SPECIES.
3. DISTURBANCE OUTSIDE OF THE CONSTRUCTION ZONE AND IN AREAS WHERE INVASIVE SPECIES ARE PRESENT SHALL BE MINIMIZED.
4. ALL AREAS OUTSIDE OF THE CONSTRUCTION ZONE SHALL BE KEPT ON ACTIVE MANAGEMENT USING THE CONTROL METHODS PRESCRIBED IN THE SPECIES SPECIFIC MANAGEMENT PLAN CREATED PRIOR TO CONSTRUCTION. THIS AREA SHALL BE MONITORED AND TREATED AT LEAST TWICE EACH GROWING SEASON.

POST–CONSTRUCTION MANAGEMENT STRATEGIES TO BE PERFORMED BY CONTRACTOR:

1. RE–VEGETATION TO OCCUR IMMEDIATELY AFTER CONSTRUCTION IS COMPLETE TO PREVENT THE ESTABLISHMENT OF INVASIVE SPECIES IN DISTURBED AREAS.
2. NURSERY STOCK SHALL BE IN ACCORDANCE WITH W.S. 11–9–101 – 109 (WYOMING NURSERY STOCK LAW), ACCOMPANIED BY A VALID HEALTH CERTIFICATE, AND ACQUIRED THROUGH A DEALER LICENSED BY THE WYOMING DEPARTMENT OF AGRICULTURE. SEEDS SHALL BE IN ACCORDANCE WITH W.S. 11–12–101 – 125 (WYOMING SEED LAW), CERTIFIED WEED FREE, AND ACQUIRED THROUGH A DEALER LICENSED BY THE WYOMING DEPARTMENT OF AGRICULTURE.
3. CERTIFIED WEED FREE STRAW, GRAVEL, AND SOIL SHALL BE UTILIZED WHERE POSSIBLE.
4. TCWP TO BE CONTACTED TO CREATE A POST–CONSTRUCTION INVENTORY.

PROSPECT STUDIO
4030 W Lake Creek Dr. Ste 104 T & F
PO Box 694 Wilson, WY 83014 307-264-2680
prospectstudio.com

Revisions

No.	Issued For	Issue Date
	PERMIT SET	4/7/21
1	REVISION #1	9/3/21

CASITA MAGEE

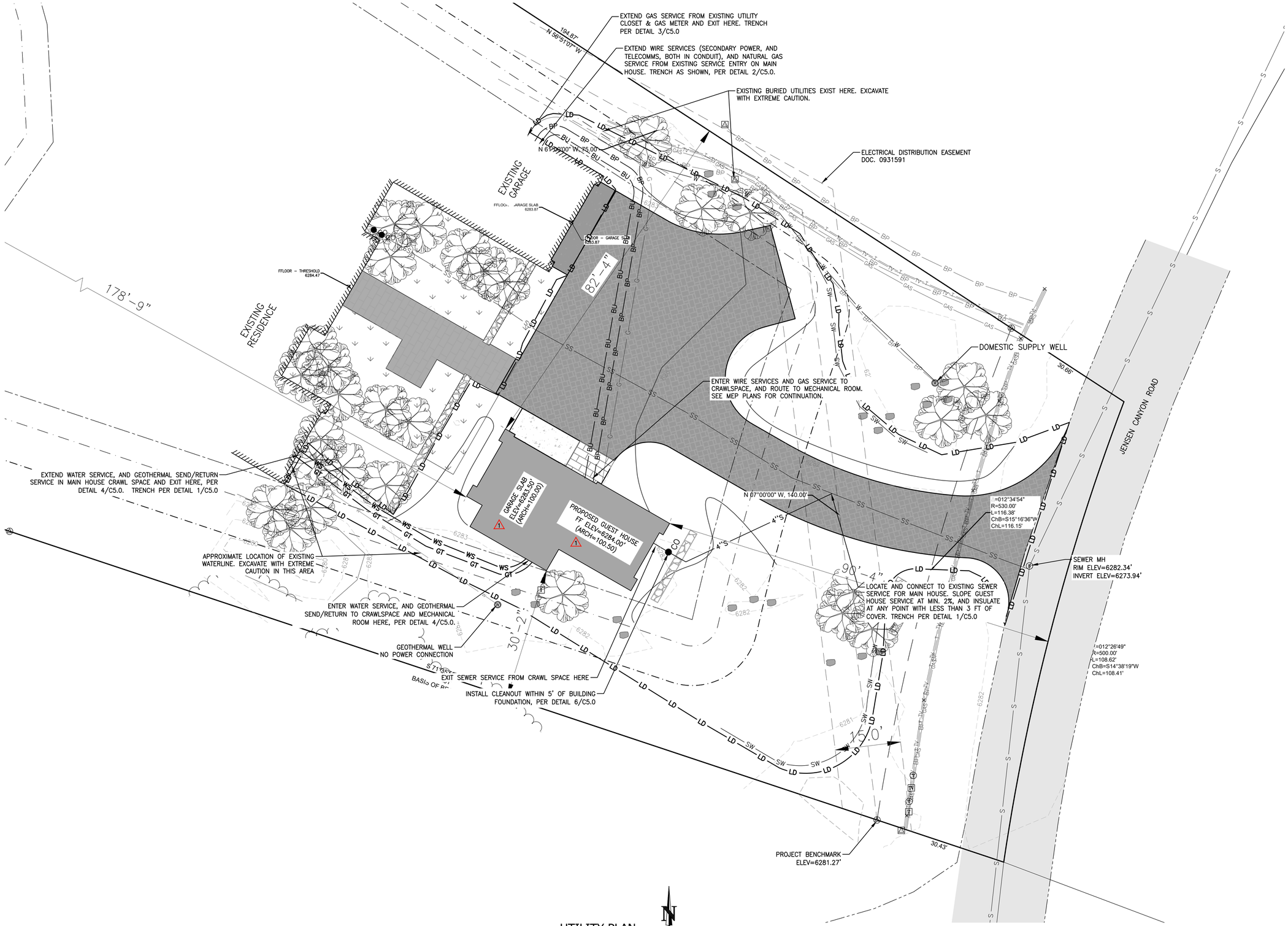
6930 JENSEN CANYON ROAD
LOT 49, SHOOTING STAR SUBDIVISION, 1ST FILING
TETON COUNTY, WY

Project No.: 21-012-01

Drawn: DB
Checked: DD

Sheet Title: FINAL SITE PLAN

Sheet Number: C2.0



UTILITY PLAN

SCALE: 1" = 10' (24X36)

0 10 20

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104 T & F
PO Box 694 Wilson, WY 83014 307-264-2680
prospect.com

Revisions

No.	Issued For	Issue Date
	PERMIT SET	4/7/21
1	REVISION #1	9/3/21

CASITA MAGEE

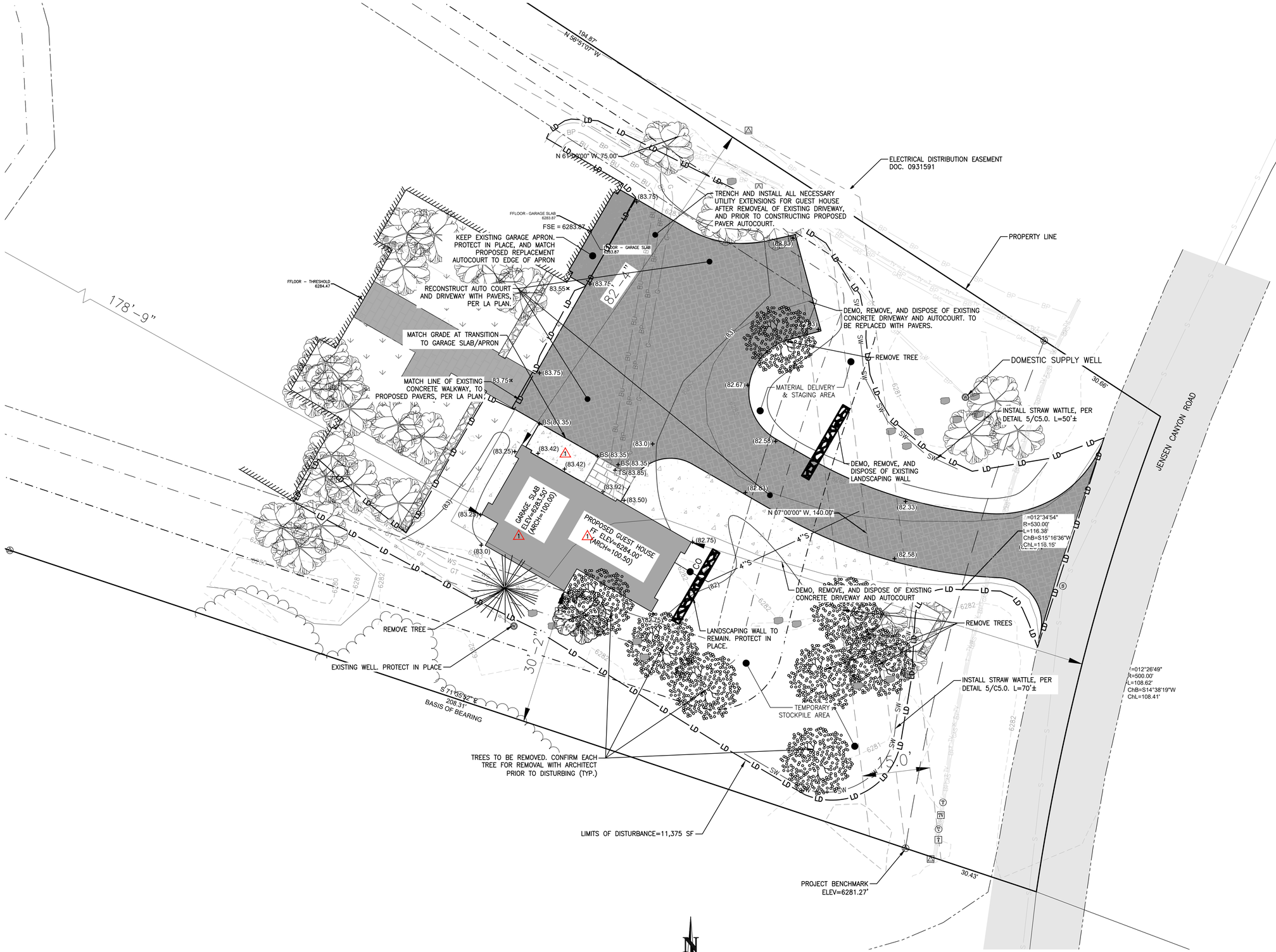
6930 JENSEN CANYON ROAD
LOT 49, SHOOTING STAR SUBDIVISION, 1ST FILING
TETON COUNTY, WY

Project No.: 21-012-01

Drawn: DB
Checked: DD

Sheet Title:
UTILITY PLAN

Sheet Number:
C3.0



GRADING PLAN

SCALE: 1" = 10' (24X36)

0 10 20

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104 T & F
PO Box 694 Wilson, WY 83014 307-264-2680
prospect2680.com

Revisions

No.	Issued For	Issue Date
	PERMIT SET	4/7/21
1	REVISION #1	9/3/21

CASITA MAGEE

6930 JENSEN CANYON ROAD
LOT 49, SHOOTING STAR SUBDIVISION, 1ST FILING
TETON COUNTY, WY

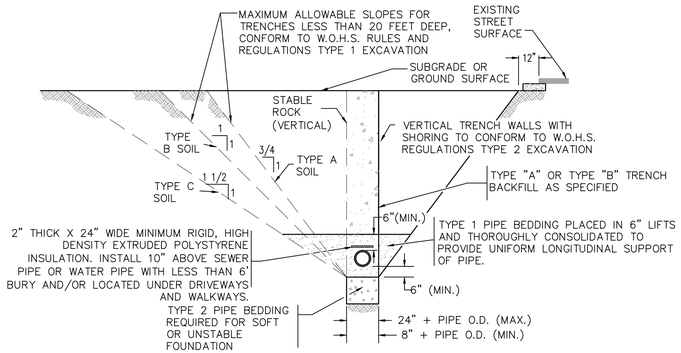
Project No.: 21-012-01

Drawn: DB

Checked: DD

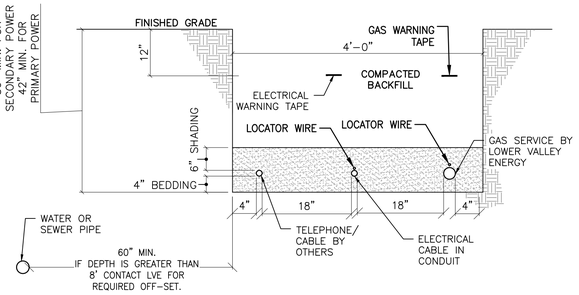
Sheet Title:
GRADING PLAN

Sheet Number:
C4.0



1 / C5.0 PIPE TRENCH DETAIL

SCALE: N.T.S.

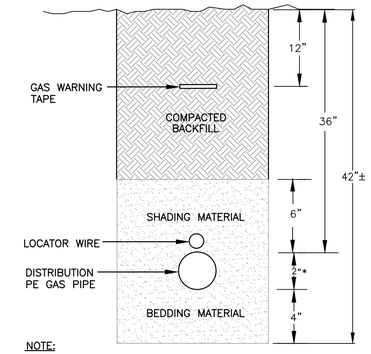


NOTES:

1. WHEN ELECTRICAL CONDUCTORS CROSS OVER OR UNDER WATER AND/OR SEWER PIPES THERE SHALL BE A MINIMUM OF 12" VERTICAL SEPARATION. IN ADDITION, THE ELECTRICAL CONDUCTORS SHALL BE PROTECTED WITH NOT LESS THAN 48" OF SUITABLE PVC OR RIGID STEEL CONDUIT WITH NO LESS THAN 24" ON EITHER SIDE OF THE CROSSING.
2. CONSUMER INSTALLED CONDUIT MUST BE INSPECTED PRIOR TO BACKFILLING. IF NOT NSPECTED, TRENCH MAY BE REJECTED.
3. ALL TRENCHES ARE TO BE INSPECTED PRIOR TO BACKFILLING.
4. 18" SEPARATION MUST BE OBTAINED BETWEEN PE GAS PIPE AND POWER CABLE OR TRENCH WILL BE REJECTED.
5. BEDDING AND SHADING MATERIAL MUST BE SMOOTH, FREE OF ROCKS, AND MUST BE ABLE TO SIFT THROUGH A 1/4" SCREEN (SAND RECOMMENDED).

2 / C5.0 UTILITY TRENCH DETAIL

SCALE: NTS



NOTE:

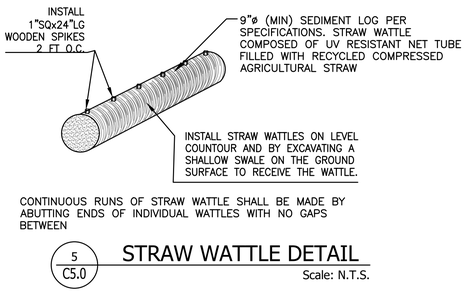
1. BEDDING & SHADING MATERIAL SHALL BE SMOOTH, FREE OF ROCKS AND MUST BE ABLE TO SIFT THROUGH A 1/4" SCREEN (SAND RECOMMENDED).
2. LOCATOR WIRE AND PE PIPE FURNISHED BY UTILITY.
3. VERIFY GAS SERVICE SIZE WITH MECHANICAL PLANS AND GAS SERVICE PROVIDER.

3 / C5.0 NATURAL GAS TRENCH DETAIL

SCALE: NTS

4 / C5.0 WATER PIPE ENTRY/EXIT DETAIL

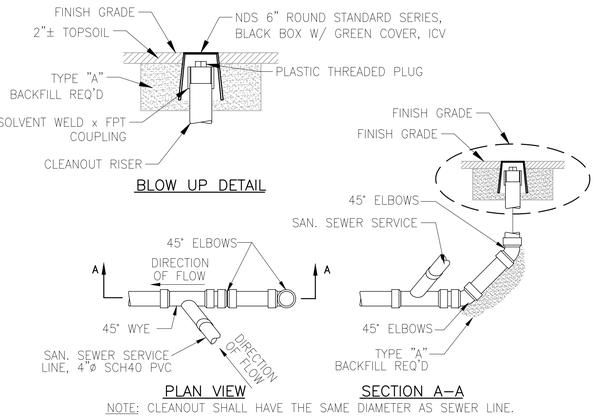
SCALE: NTS



CONTINUOUS RUNS OF STRAW WATTLE SHALL BE MADE BY ABUTTING ENDS OF INDIVIDUAL WATTLES WITH NO GAPS BETWEEN

5 / C5.0 STRAW WATTLE DETAIL

Scale: N.T.S.



NOTE: CLEANOUT SHALL HAVE THE SAME DIAMETER AS SEWER LINE.

6 / C5.0 NDS LANDSCAPE CLEANOUT COVER

SCALE: NTS

PROSPECT STUDIO
4030 W Lake Creek Dr. Ste 104 T & F
PO Box 694 Wilson, WY 83014 307-264-2690
prospect@.com

Revisions

No.	Issued For	Issue Date
	PERMIT SET	4/7/21
1	REVISION #1	9/3/21

CASITA MAGEE

6930 JENSEN CANYON ROAD
LOT 49, SHOOTING STAR SUBDIVISION, 1ST FILING
TETON COUNTY, WY

Project No.: 21-012-01

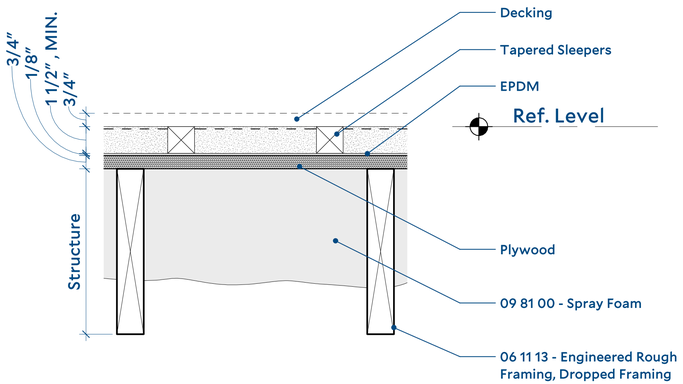
Drawn: DB

Checked: DD

Sheet Title: UTILITY DETAILS

Sheet Number: C5.0

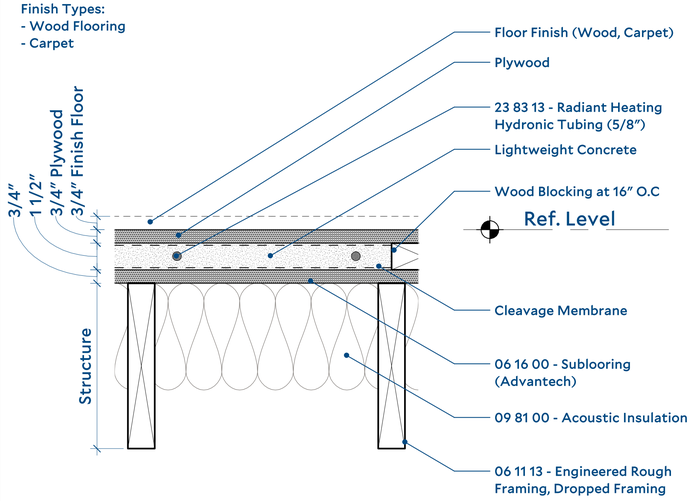
Finish Types:
- 1x ipe Decking



Note:
Above garage, provid closed-cell spray foam insulation (R-60)

Floor Assembly - Exterior Wood Deck Over Heated Space — F-6
Scale: 3" = 1'-0"

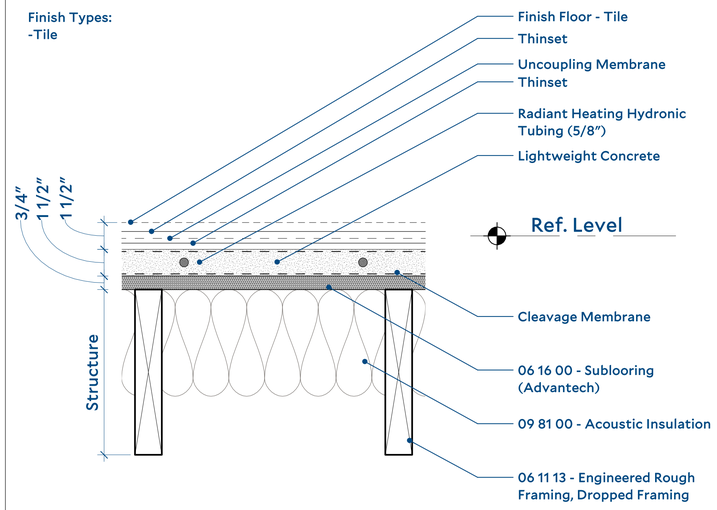
Finish Types:
- Wood Flooring
- Carpet



Note:
Above garage, provid closed-cell spray foam insulation (R-30)

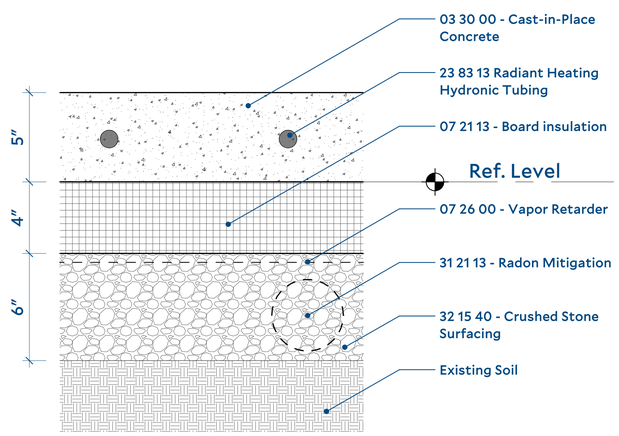
Floor Assembly - Typical Interior - Radiant — F-3
Scale: 3" = 1'-0"

Finish Types:
-Tile



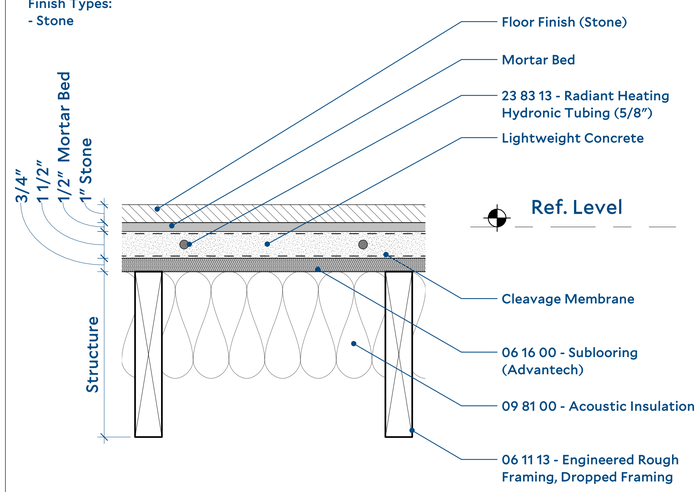
Note:
Above garage, provid closed-cell spray foam insulation (R-30)

Floor Assembly - Typical Interior - Radiant Tile — F-4
Scale: 3" = 1'-0"



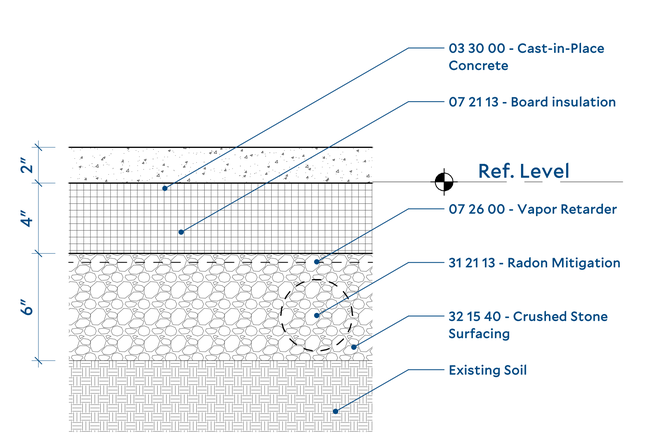
Floor Assembly - Radiant Garage Slab — F-2
Scale: 3" = 1'-0"

Finish Types:
- Stone



Note:
Above garage, provid closed-cell spray foam insulation (R-30)

Floor Assembly - Typical Interior - Radiant Stone — F-4
Scale: 3" = 1'-0"



Note:
Assembly R-Value: 10 Min.

Floor Assembly - Crawlspace Slab — F-1
Scale: 3" = 1'-0"

PROSPECT STUDIO
4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

MATTHEW A. THOMAS — LICENSED ARCHITECT — C360 — STATE OF WYOMING

16 February 22

Revisions

No.	Issued For	Issue Date
1	SCHEMATIC DESIGN	13 Jan 21
2	PERMIT SET	8 April 21
5	100% CONSTRUCTION DOCUMENTS	16 February 22

Casita Magee

Teton Village, Wy

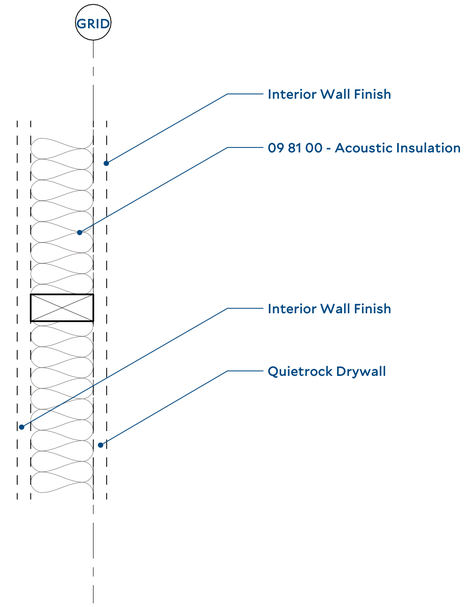
Project No. : 2022.00 — Drawn: ZPN
Scale: 3" = 1'-0" — Checked: MAT

Sheet
Floor Assemblies

Sheet
A100

2/16/2022 2:31:18 PM

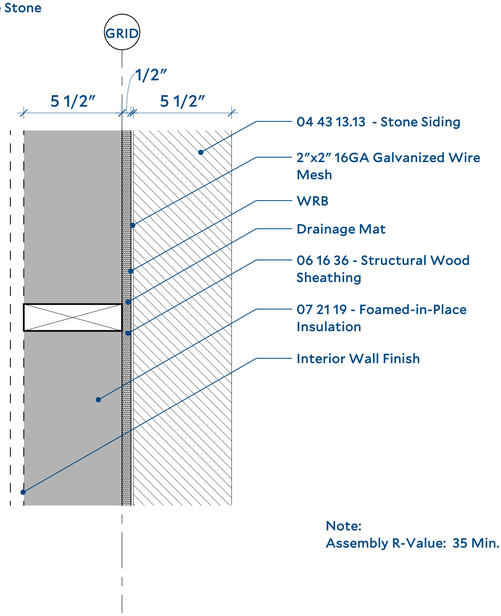
Interior Finish Types:
- Gypsum Wall Board
- Wall Tile
- Wood Siding



Wall Assembly - Typical Interior
Scale: 3″ = 1′-0″

W-4

Exterior Finish Types:
W-3- 6″ Charcoal Quartzite Stone Veneer

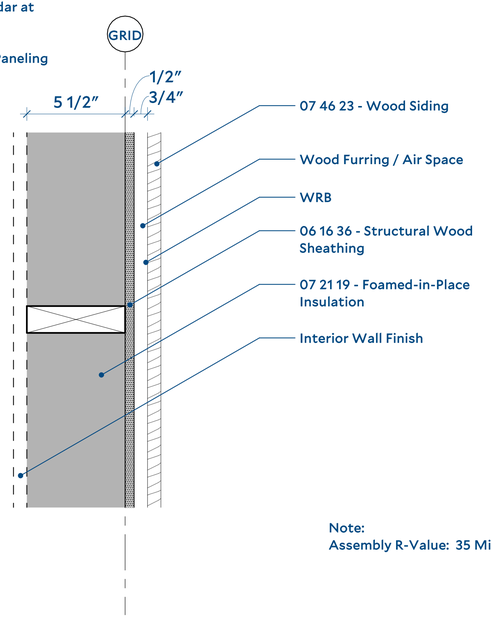


Note:
Assembly R-Value: 35 Min.

Wall Assembly - Typical Framed Wall
Scale: 3″ = 1′-0″

W-3

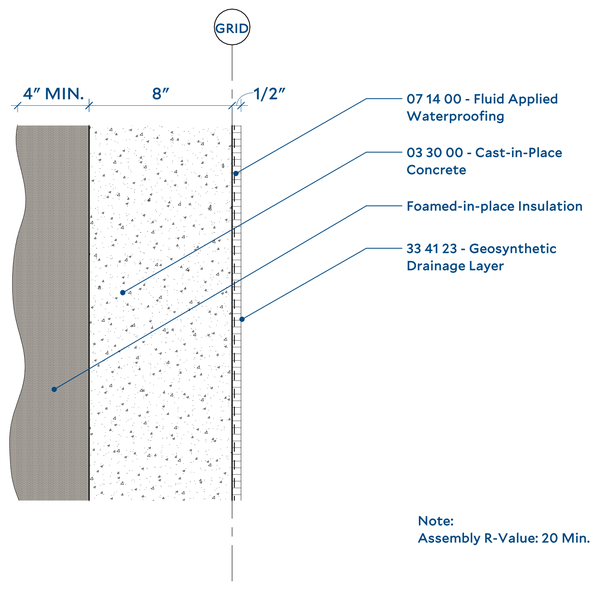
Exterior Finish Types:
W-2A- 1x Vertical CVG Cedar at Random Widths
W-2B- Dark Metal Clad
W-2C - Patinated Copper Paneling



Note:
Assembly R-Value: 35 Min.

Wall Assembly - Typical Framed Wall
Scale: 3″ = 1′-0″

W-2



Note:
Assembly R-Value: 20 Min.

Wall Assembly - Stem Wall
Scale: 3″ = 1′-0″

W-1

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

LICENSED ARCHITECT MATTHEW A. THOMAS C-3187 STATE OF WYOMING

16 February 22

Revisions

No.	Issued For	Issue Date
1	SCHEMATIC DESIGN	13 Jan 21
2	PERMIT SET	8 April 21
5	100% CONSTRUCTION DOCUMENTS	16 February 22

Casita Magee

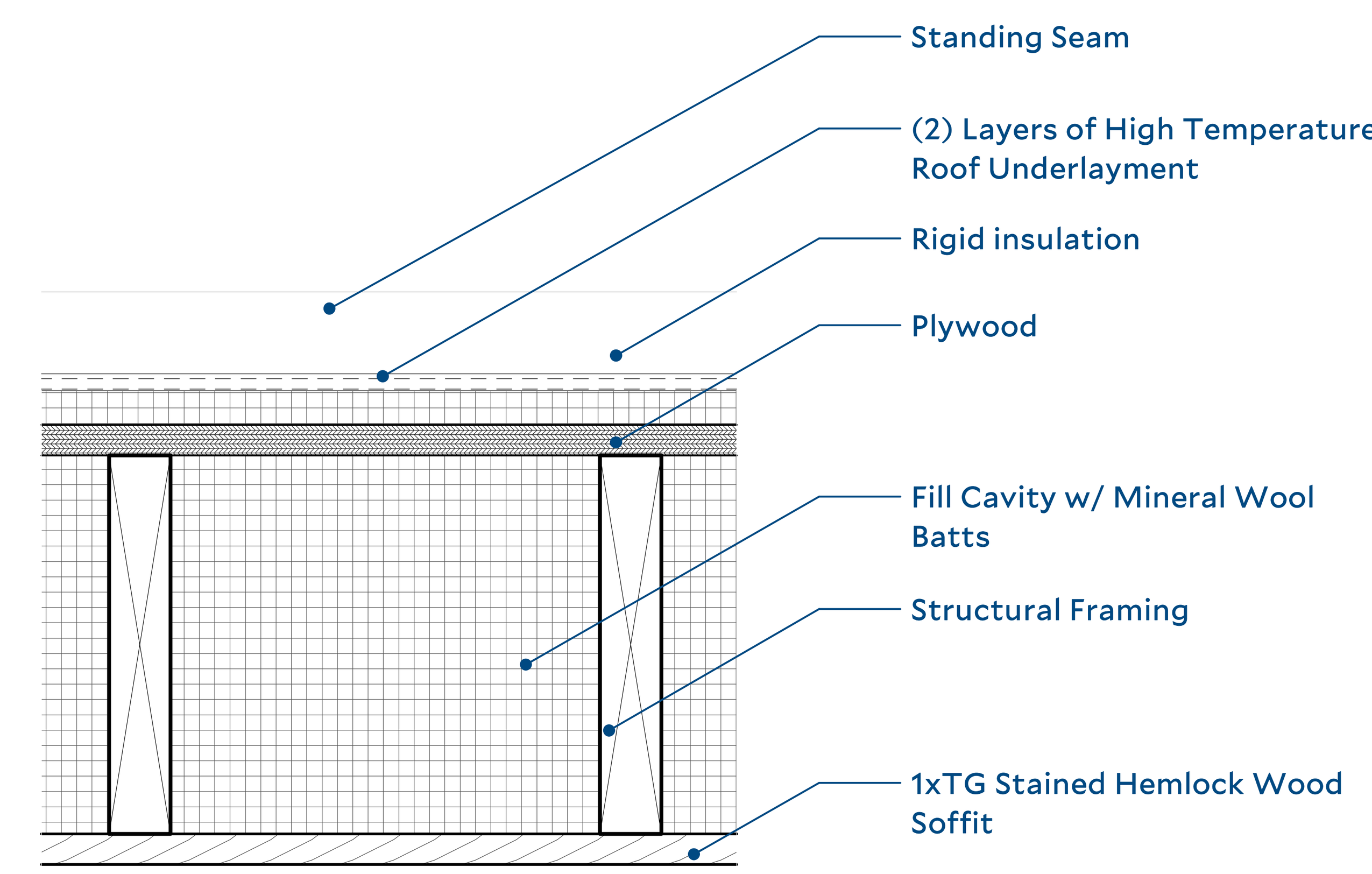
Teton Village, Wy

Project No.: 2022.00 | Drawn: ZPN
Scale: 3″ = 1′-0″ | Checked: MAT

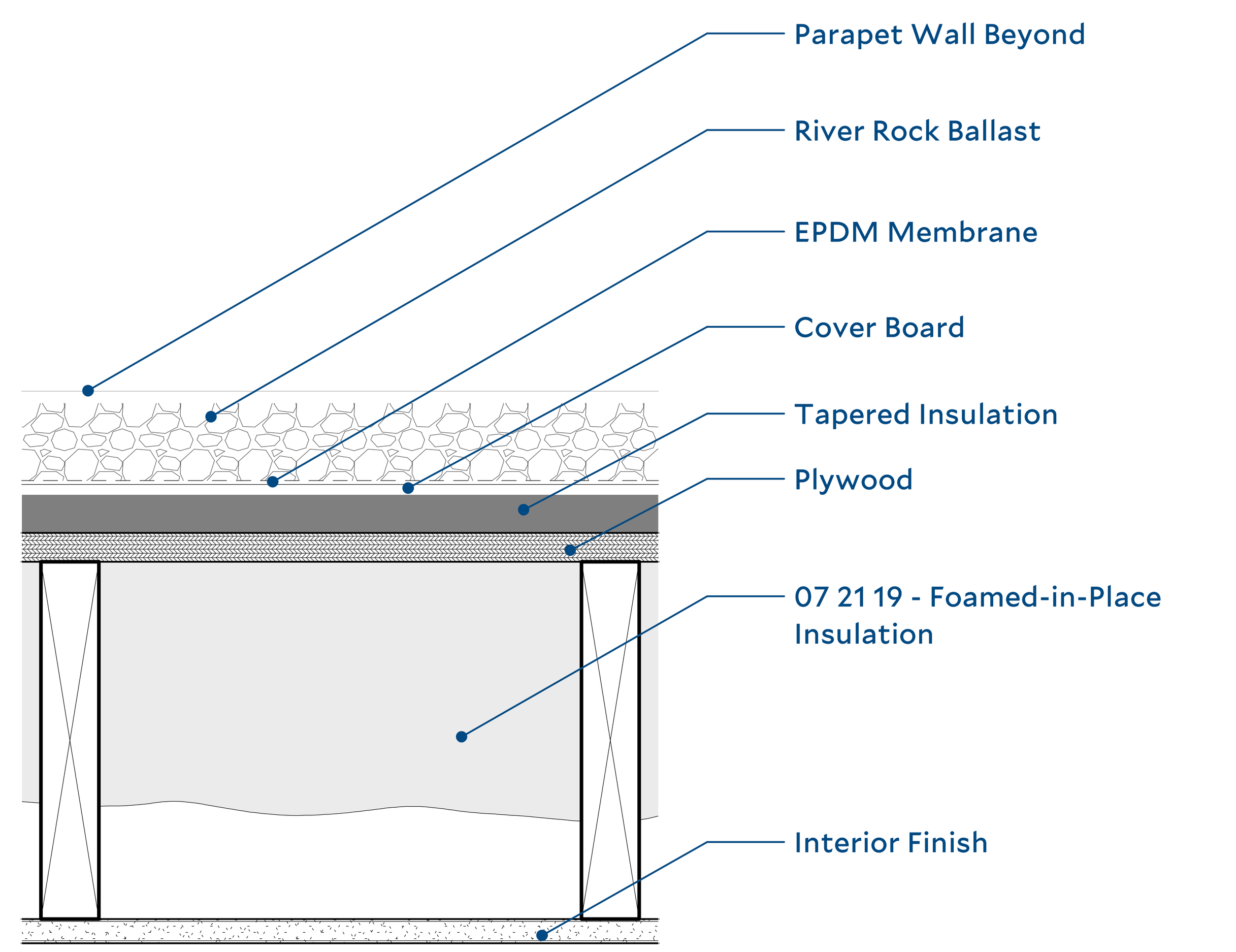
Sheet
Wall Assemblies

Sheet
A101

2/16/2022 2:31:20 PM

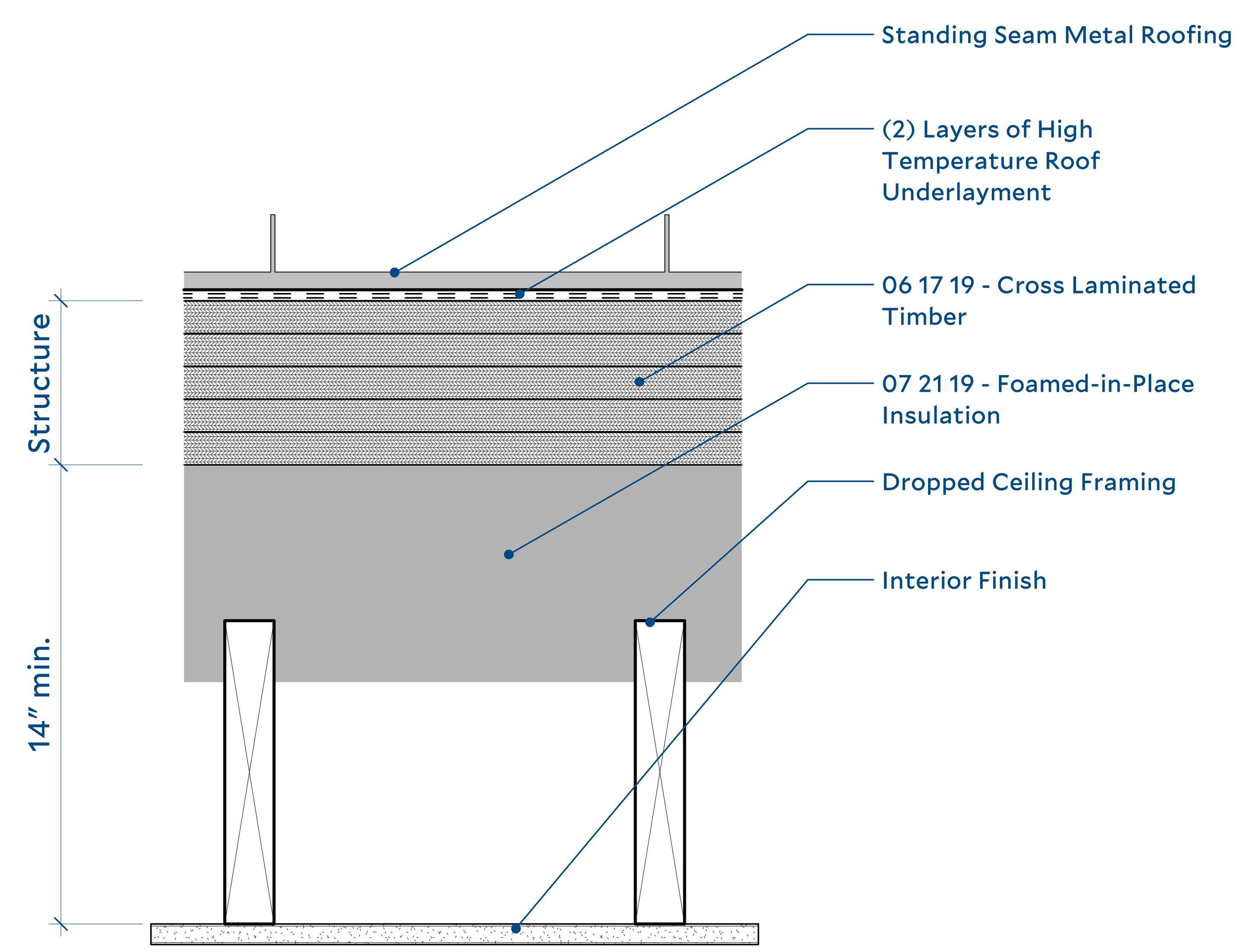


Roof Assembly - Entry Canopy
Scale: 3" = 1'-0"
R-4



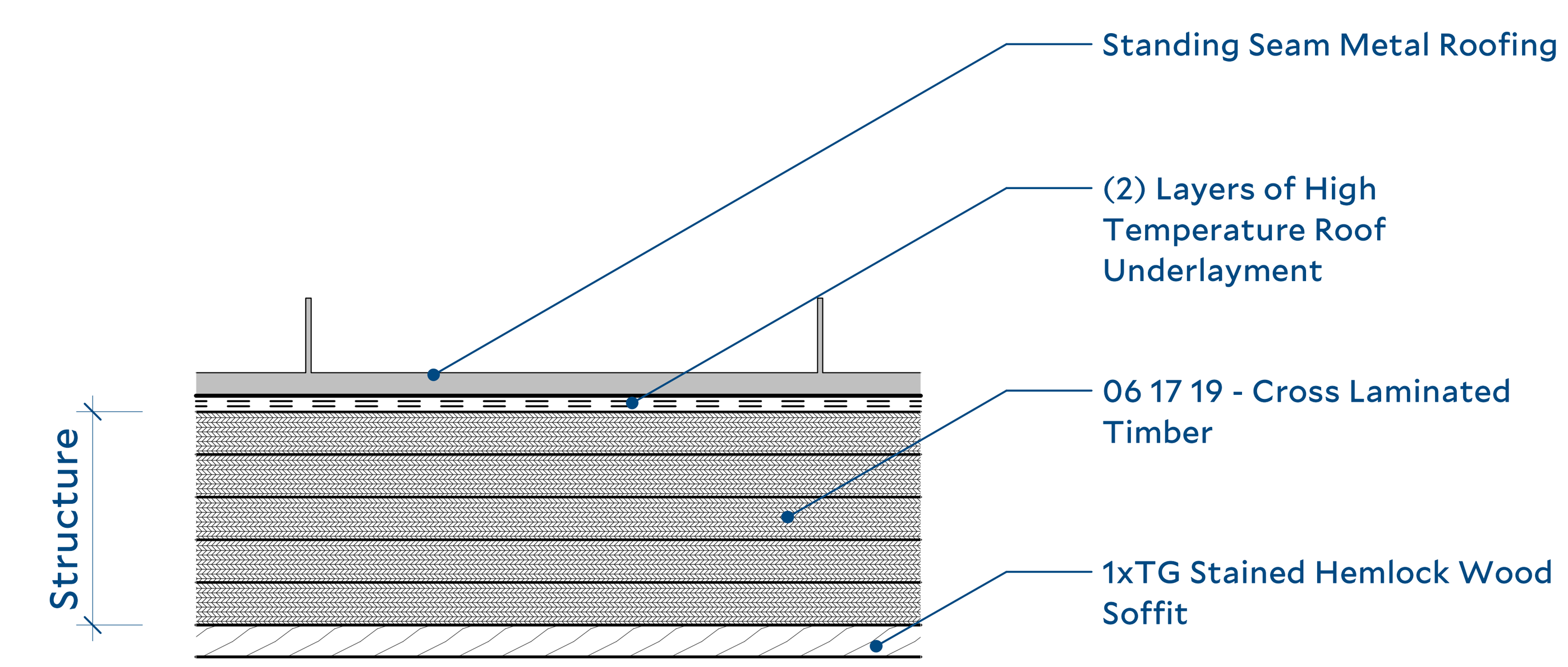
Note:
Assembly R-Value: 49 Min.

Roof Assembly - Ballasted Membrane
Scale: 3" = 1'-0"
R-3



Note:
Assembly R-Value: 49 Min.

Roof Assembly - Metal Roof above Dropped Ceiling
Scale: 3" = 1'-0"
R-2



Roof Assembly - Metal Roof above Eaves
Scale: 3" = 1'-0"
R-1

PROSPECT STUDIO
4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

LICENSED ARCHITECT
MATTHEW A. THACKRAY
C-3367
STATE OF WYOMING

16 February 22

Revisions

No.	Issued For	Issue Date
1	SCHEMATIC DESIGN	13 Jan 21
2	PERMIT SET	8 April 21
5	100% CONSTRUCTION DOCUMENTS	16 February 22

Casita Magee

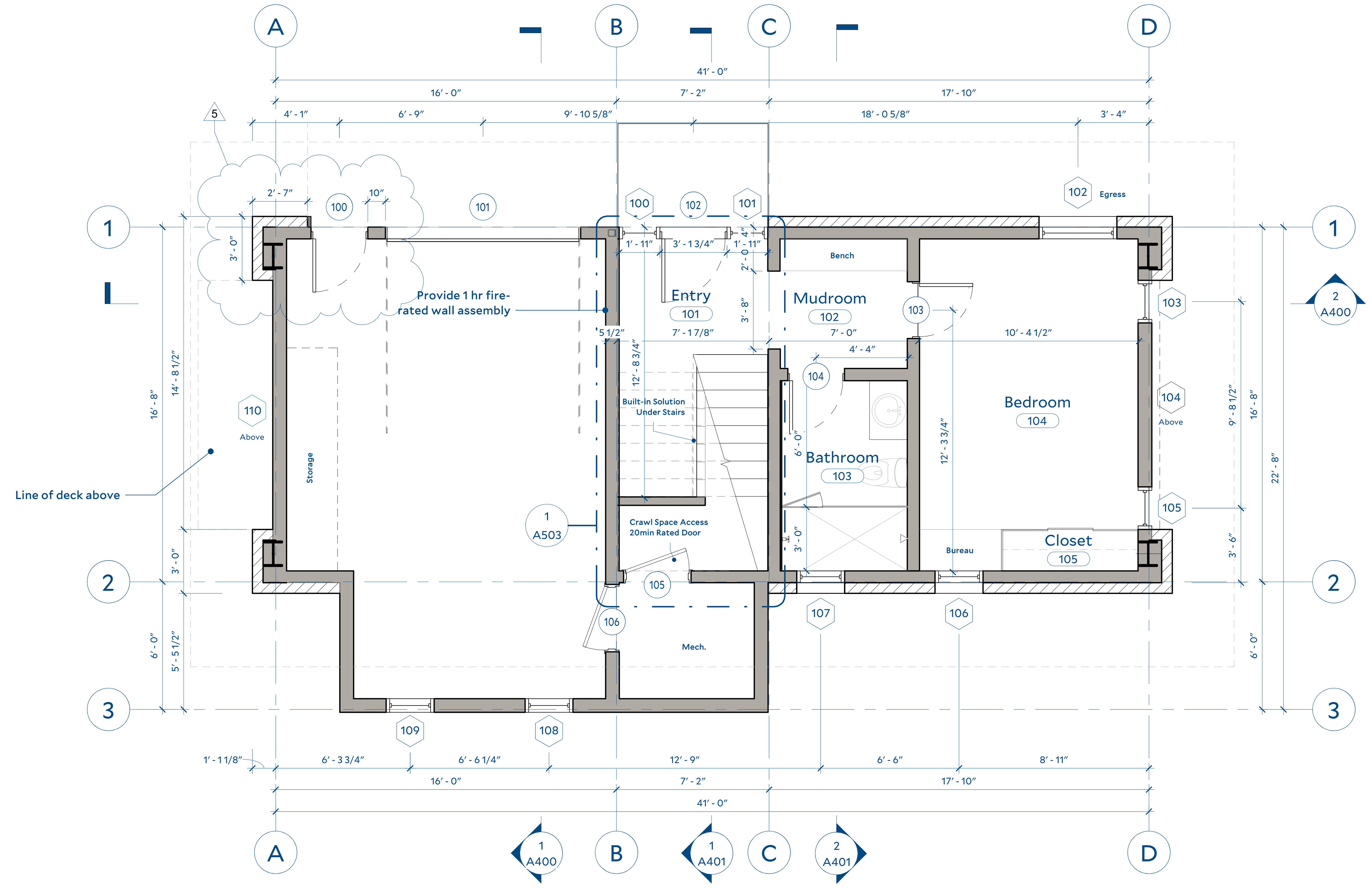
Teton Village, Wy

Project No.: 2022.00 Drawn: ZPN
Scale: 3" = 1'-0" Checked: MAT

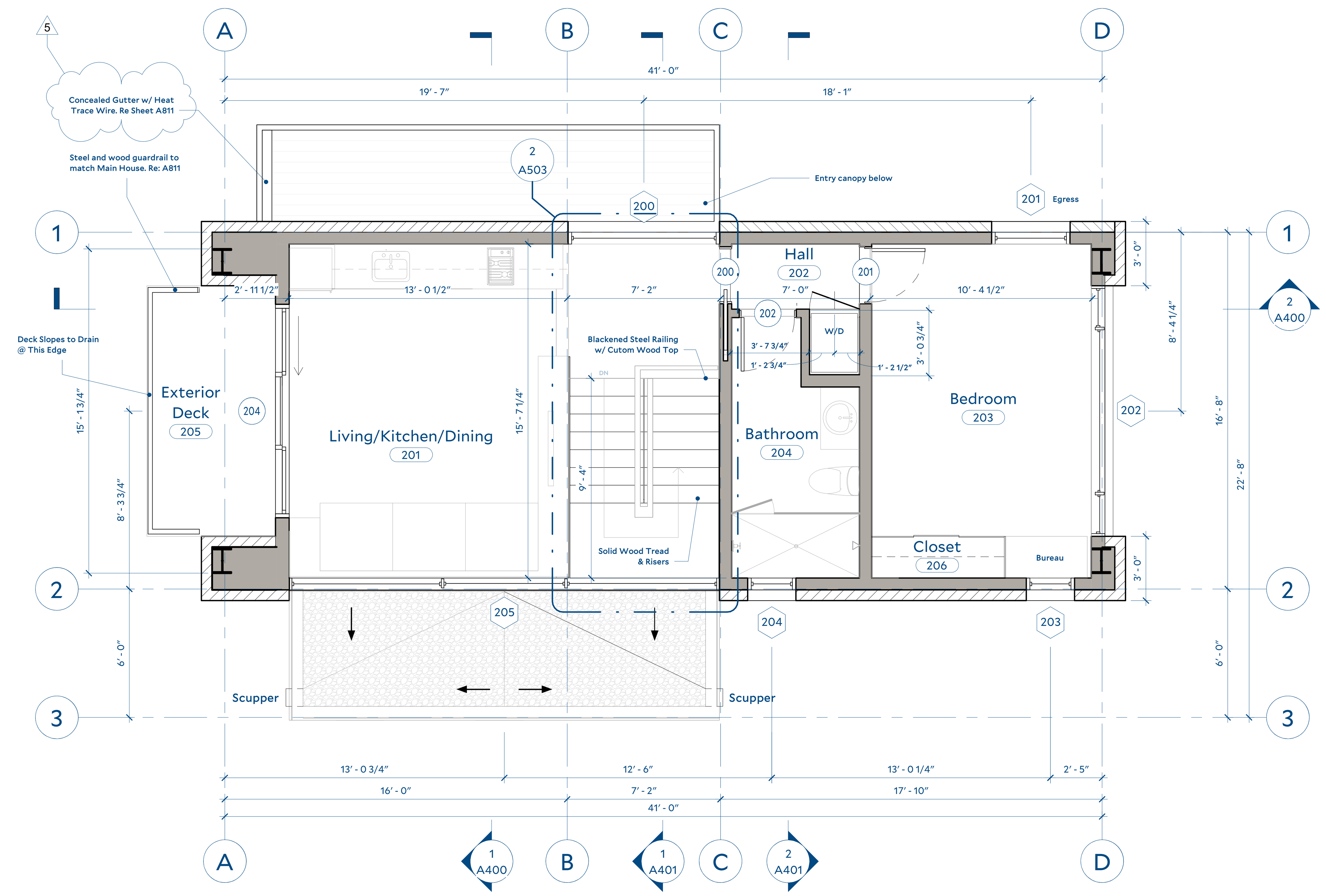
Sheet
Roof Assemblies

Sheet
A102

2/16/2022 2:31:20 PM



1 Ground Floor
1/4" = 1'-0"



2 Second Floor
1/4" = 1'-0"

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

16 February 22

Revisions

No.	Issued For	Issue Date
1	SCHEMATIC DESIGN	13 Jan 21
2	PERMIT SET	8 April 21
4	CORE & SHELL	3 September 21
5	100% CONSTRUCTION DOCUMENTS	16 February 22

Casita Magee

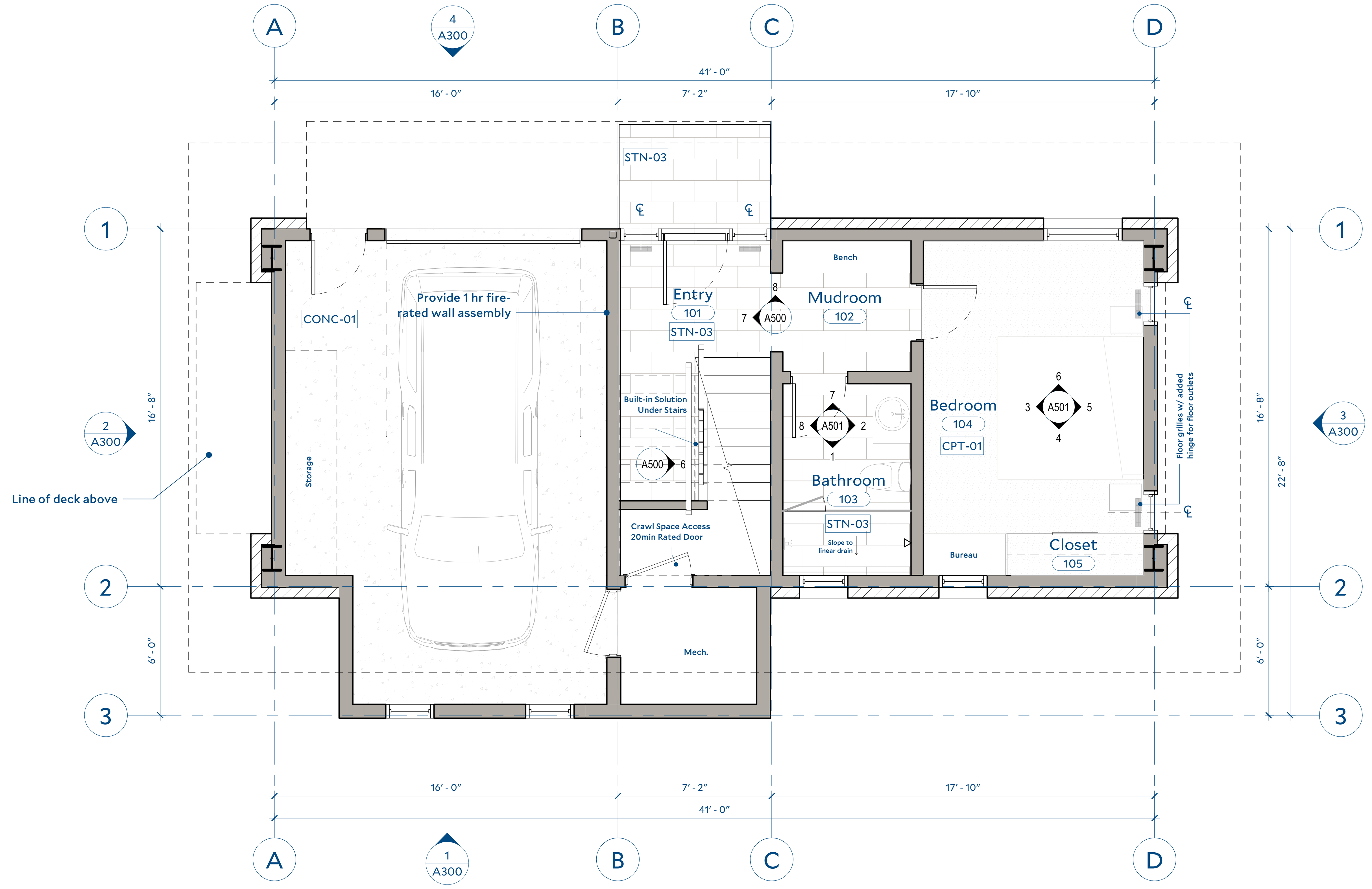
Teton Village, Wy

Project No.: 2022.00 Drawn: ZPN
Scale: 1/4" = 1'-0" Checked: MAT

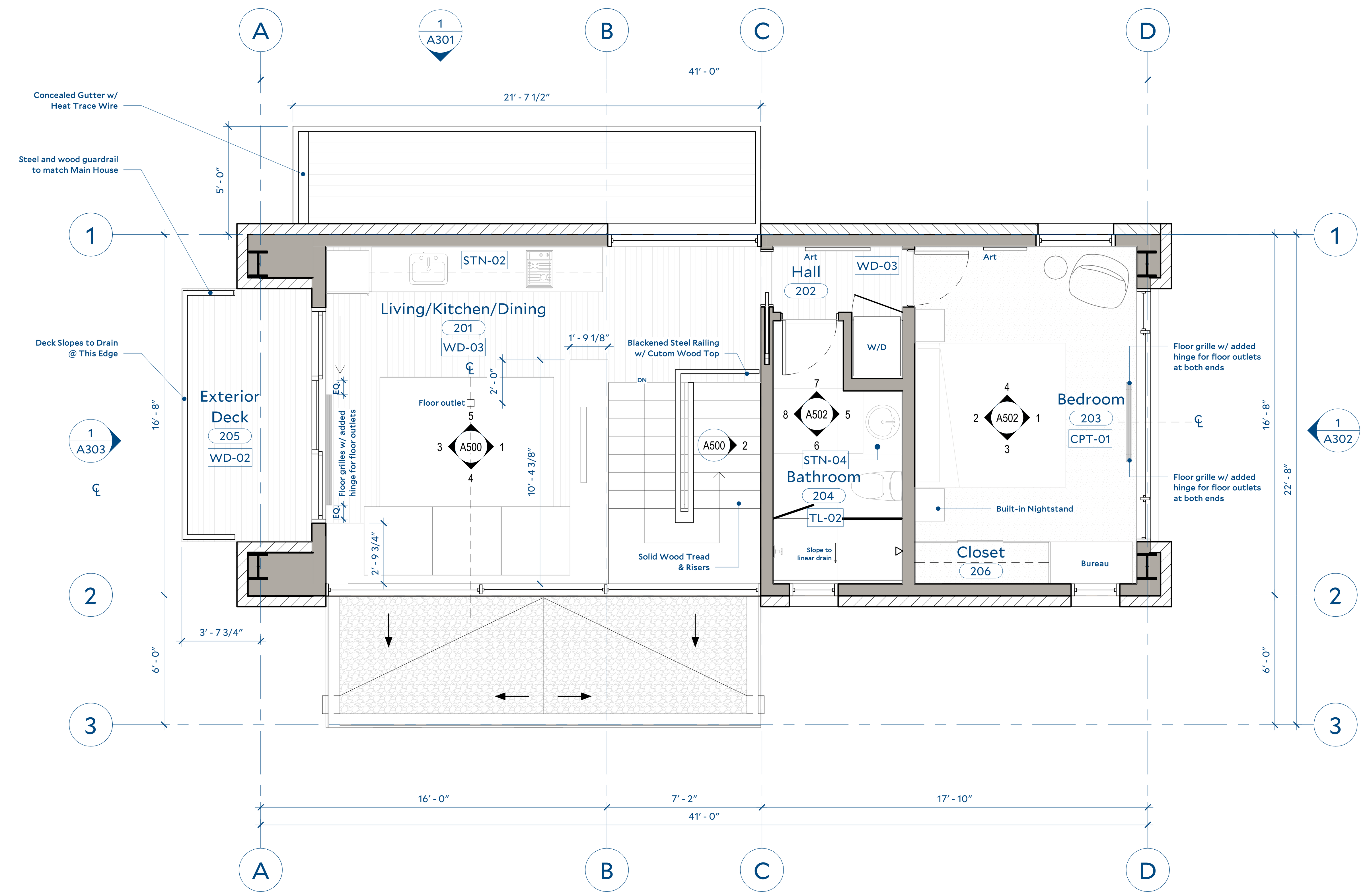
Sheet
First & Second Floor Plans

Sheet
A210

2/16/2022 2:31:21 PM



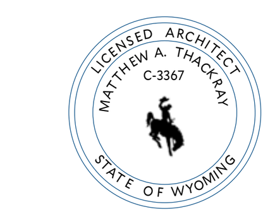
1 Ground Floor Paving & Furniture
1/4" = 1'-0"



2 Second Floor Paving & Furniture
1/4" = 1'-0"

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com



16 February 22

MATERIAL LEGEND

MARK	DESCRIPTION
CONC-01	Garage concrete
CPT-01	Bedroom Carpet
CW-01	Plain Sawn Walnut. AWI Premium grade veneer. Flat-slab door and drawer fronts. Maple boxes, concealed hinges, full extension, soft-close drawers. Drawer boxes to be dovetailed. Clear matte waterborne finish.
GL-01	1/2" Shower Glass
STN-02	Taj Mahal Quartzite, 2 cm thick, leathered finish with square eased edge. Provide matte finish sealer
STN-03	Bluestone
STN-04	Caesarstone, Fresh Concrete
TL-01	Ann Sacks, Savoy Classic Mosaic, Herringbone, Ricepaper
TL-02	
WD-02	1x ipe Decking
WD-03	8" Plank Select Walnut, 3/4", Solid T&G stained, matte finish

Revisions

No.	Issued For	Issue Date
5	100% CONSTRUCTION DOCUMENTS	16 February 22

Casita Magee

Teton Village, Wy

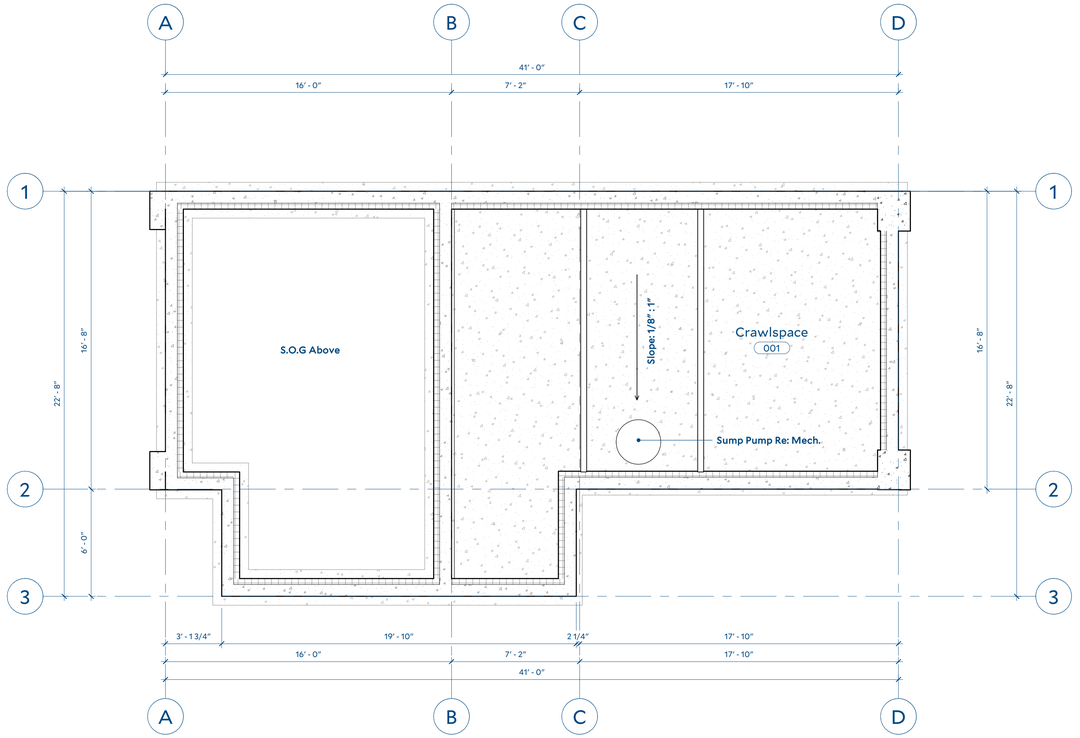
Project No.: 2022.00 Drawn: ZPN
Scale: 1/4" = 1'-0" Checked: MAT

Sheet
Paving & Furniture Plan

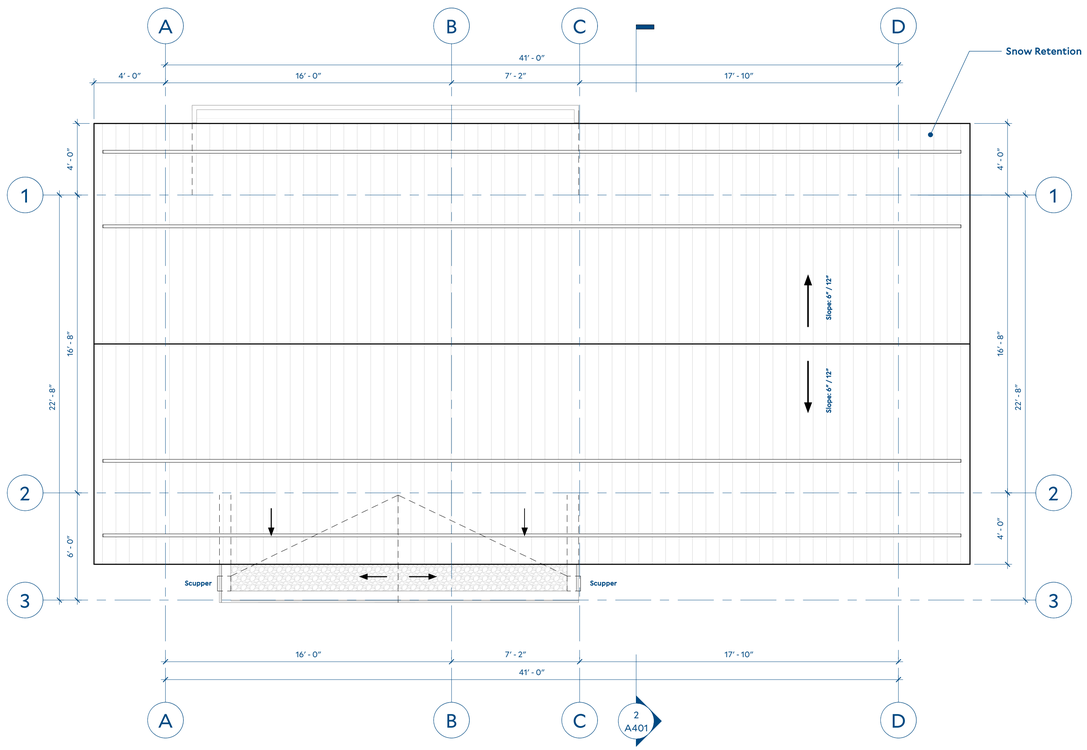
5

Sheet
A211

2/16/2022 2:31:23 PM



1 Foundation Plan
1/4" = 1'-0"



2 Roof Plan
1/4" = 1'-0"

PROSPECT
STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

LICENSED ARCHITECT MATTHEW A. THALEY C-3167 STATE OF WYOMING

16 February 22

Revisions

No.	Issued For	Issue Date
1	SCHEMATIC DESIGN	13 Jan 21
2	PERMIT SET	8 April 21
4	CORE & SHELL	3 September 21
5	100% CONSTRUCTION DOCUMENTS	16 February 22

Casita Magee

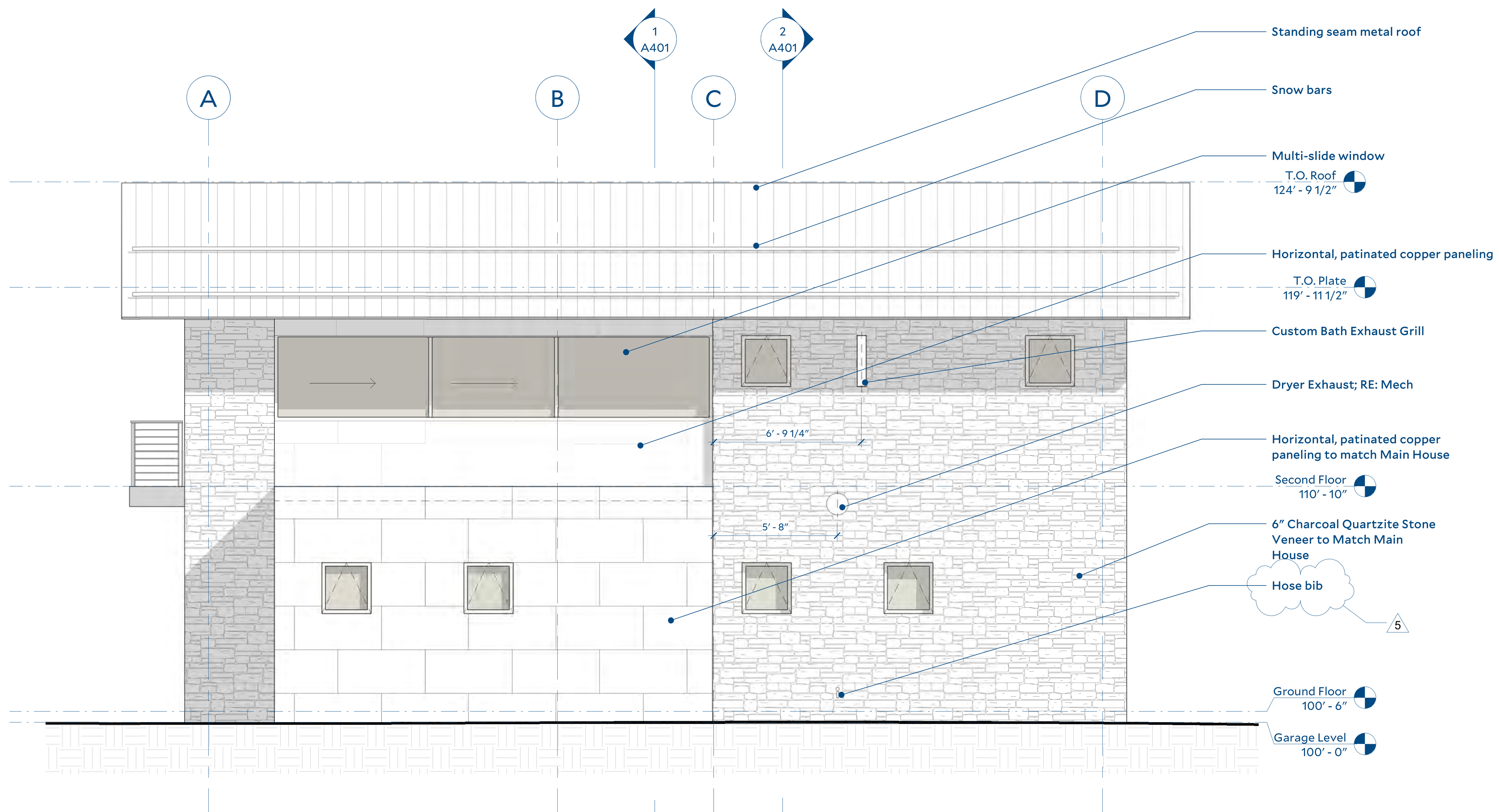
Teton Village, Wy

Project No. : 2022.00 Drawn: ZPN
Scale: 1/4" = 1'-0" Checked: MAT

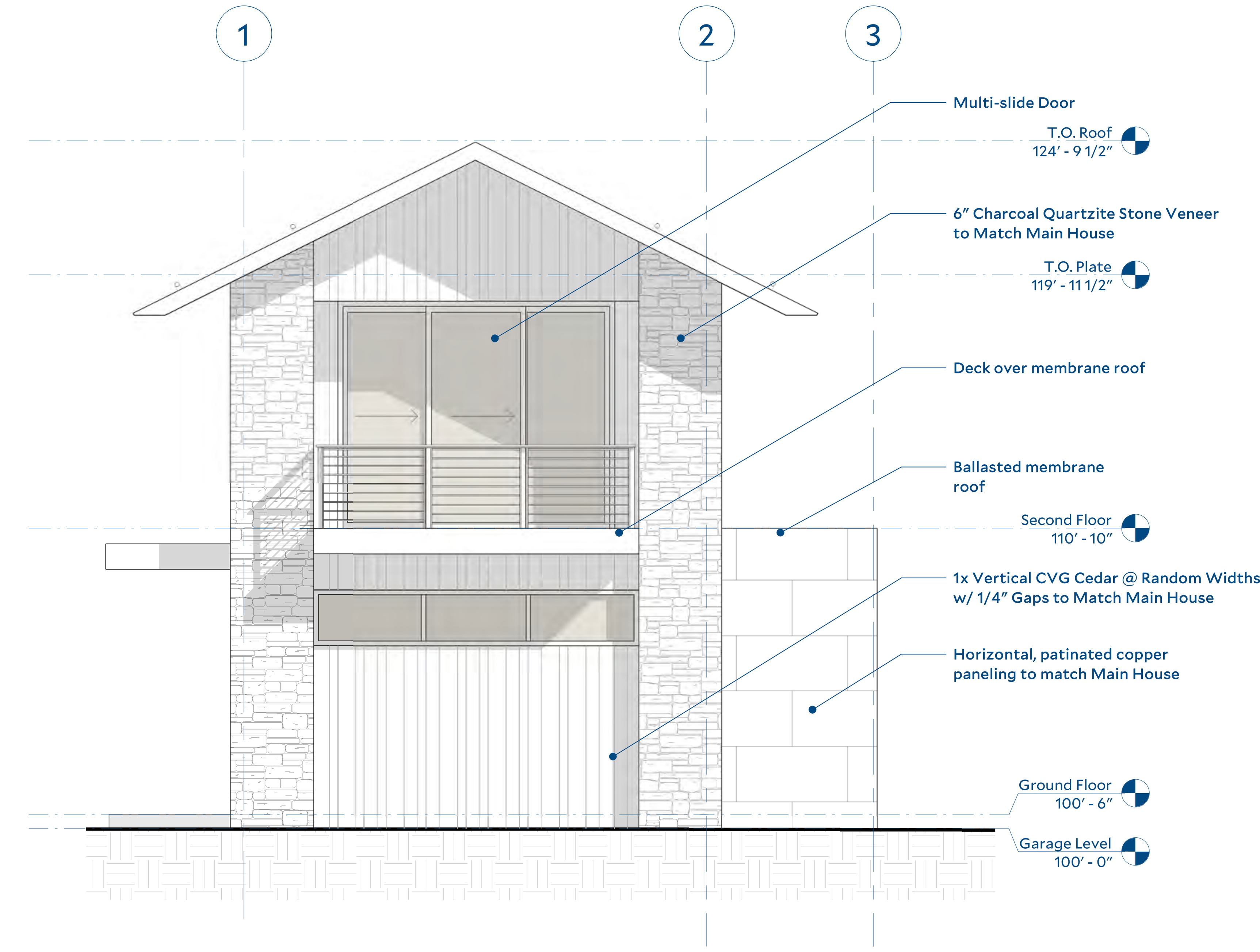
Sheet
Foundation & Roof Plan

Sheet
A220

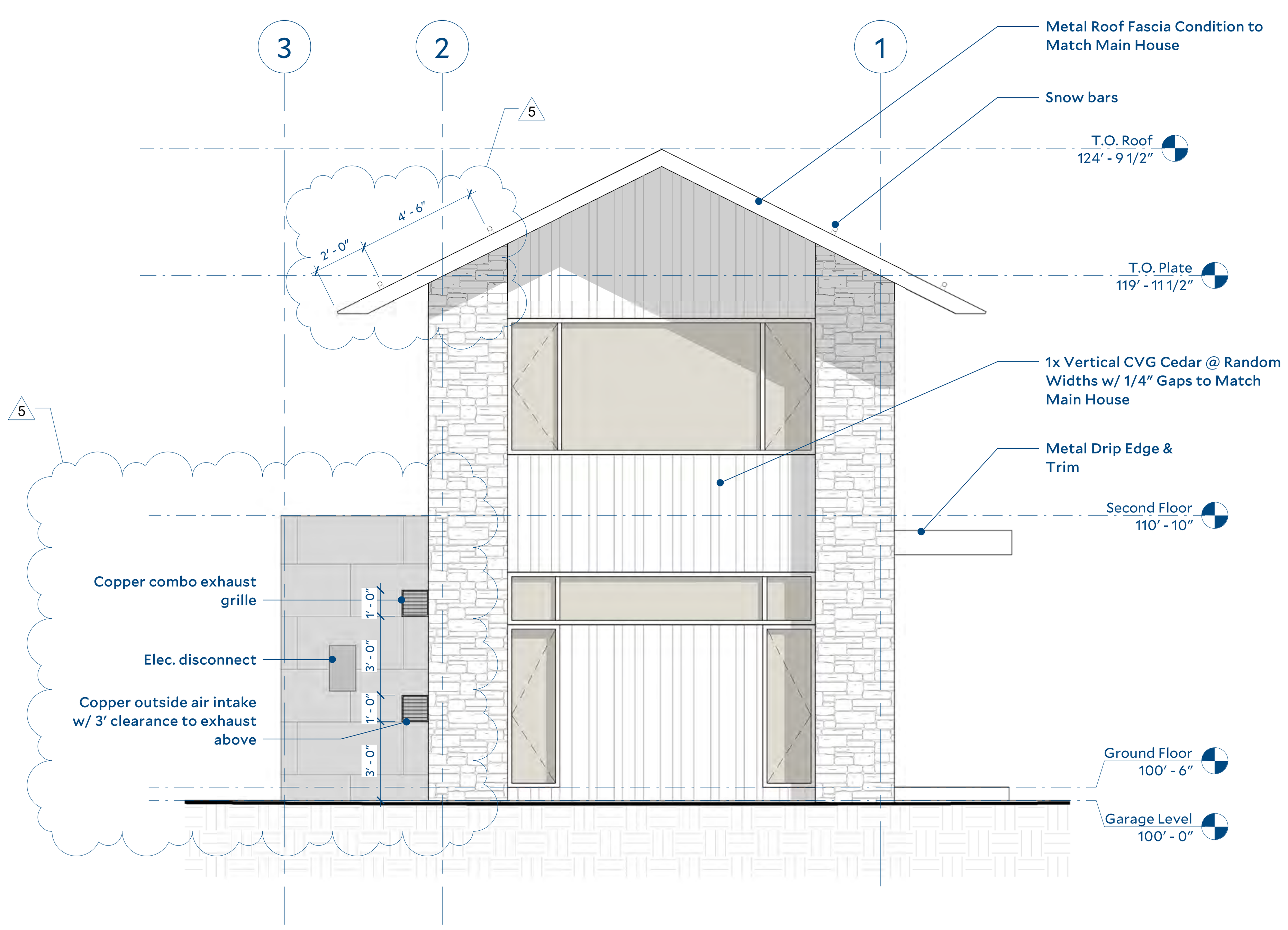
2/16/2022 2:31:25 PM



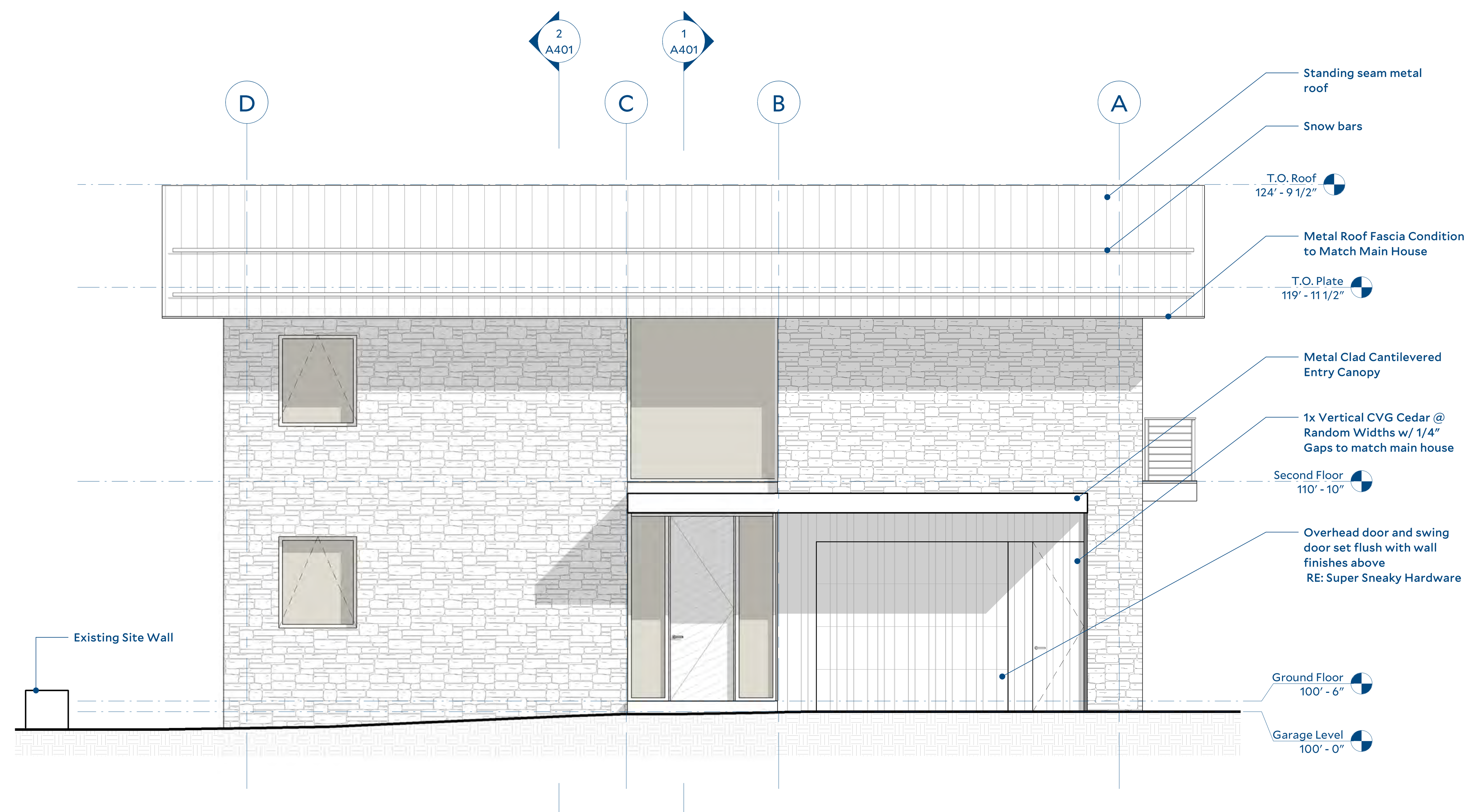
1 Elevation - South
1/4" = 1'-0"



2 Elevation - West
1/4" = 1'-0"



3 Elevation - East
1/4" = 1'-0"



4 Elevation - North
1/4" = 1'-0"

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

16 February 22

Revisions

No.	Issued For	Issue Date
1	SCHEMATIC DESIGN	13 Jan 21
2	PERMIT SET	8 April 21
4	CORE & SHELL	3 September 21
5	100% CONSTRUCTION DOCUMENTS	16 February 22

Casita Magee

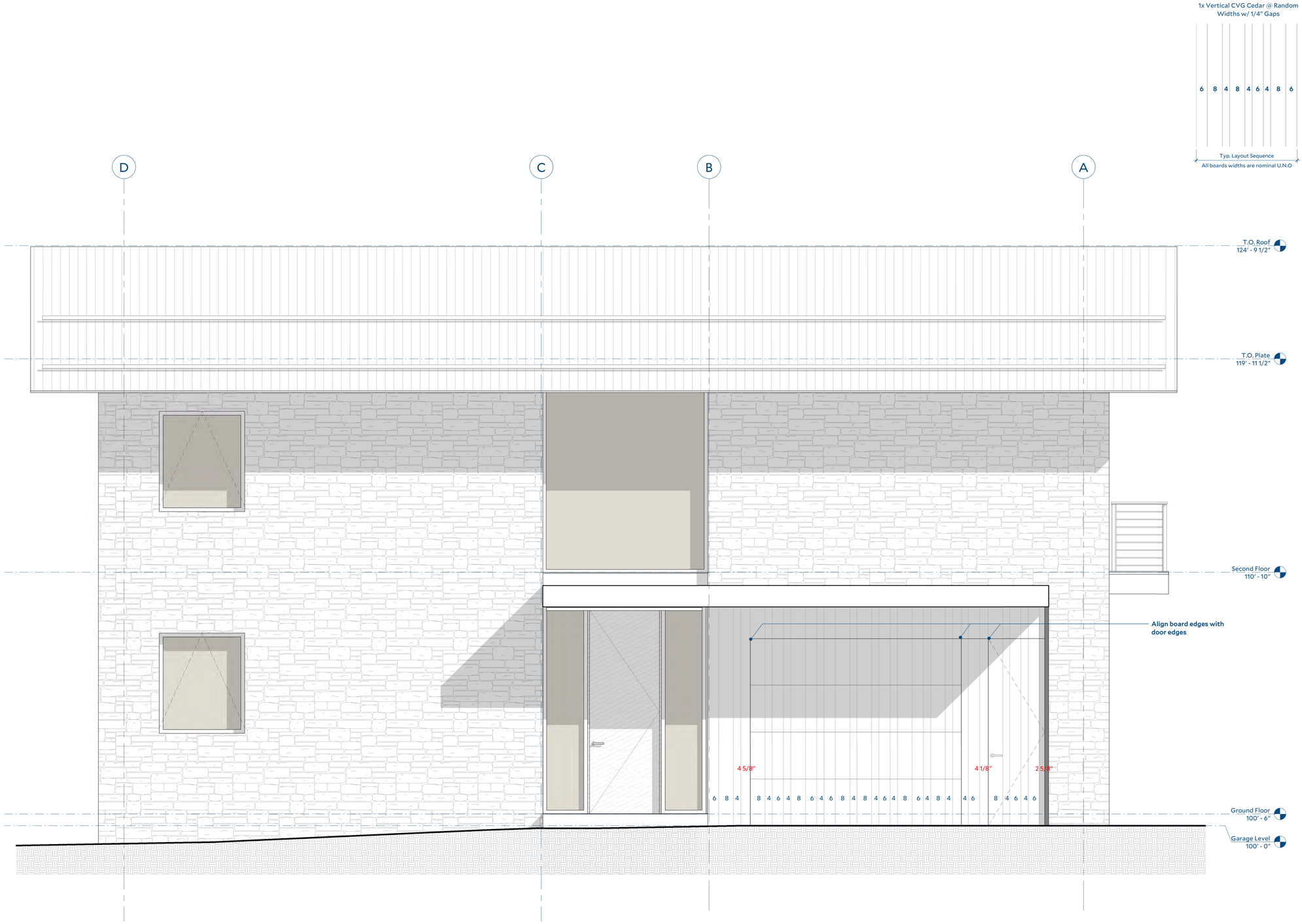
Teton Village, Wy

Project No.: 2022.00 Drawn: ZPN
Scale: 1/4" = 1'-0" Checked: MAT

Sheet
Building Elevations

Sheet
A300

2/16/2022 2:31:33 PM



1 Elevation - North Siding Layout
1/2" = 1'-0"

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

LICENSED ARCHITECT MATTHEW A. THOMAS C-3167 STATE OF WYOMING

16 February 22

Revisions

No.	Issued For	Issue Date
5	100% CONSTRUCTION DOCUMENTS	16 February 22

Casita Magee

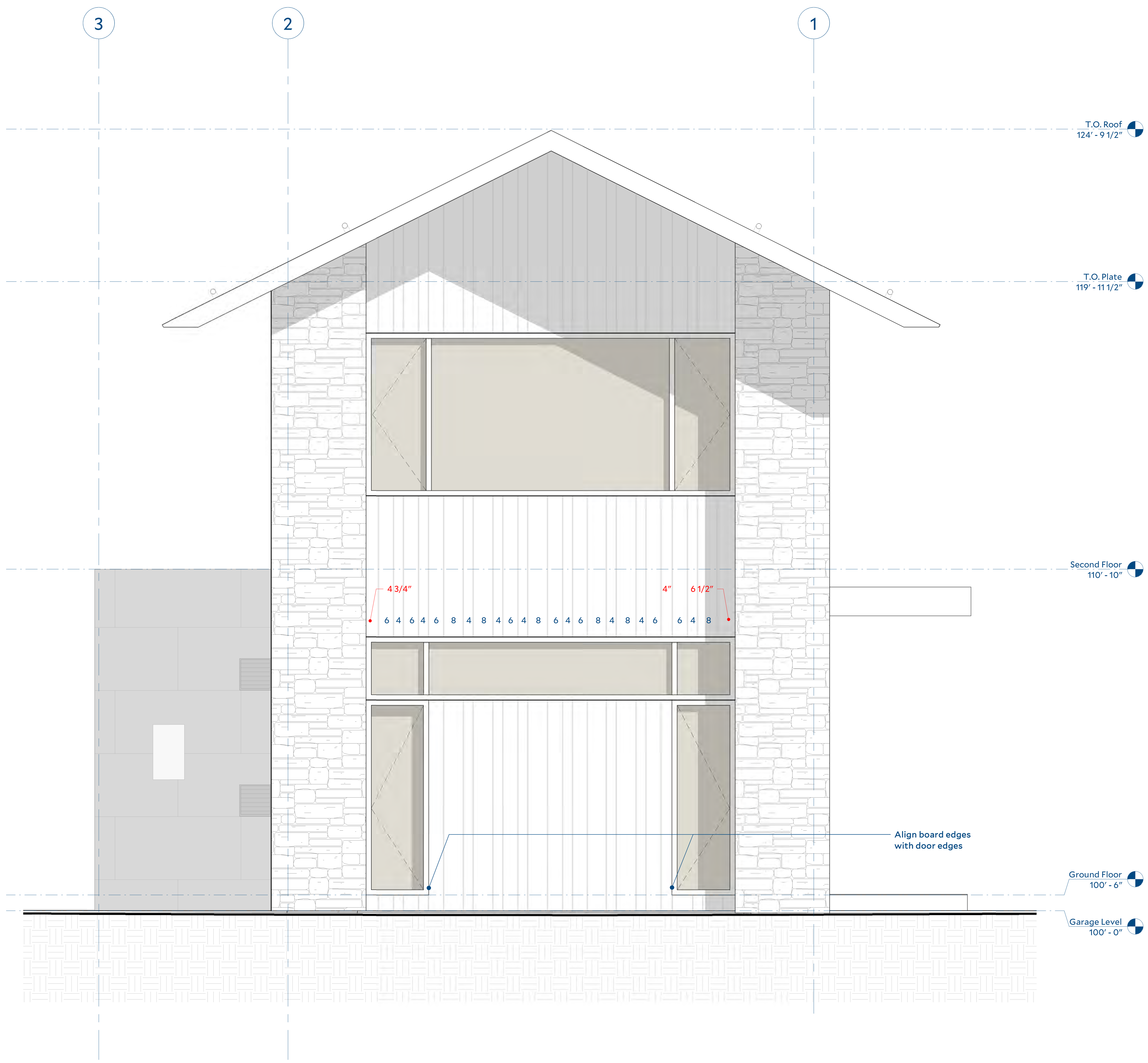
Teton Village, Wy

Project No. : 2022.00 Drawn: ZPN
Scale: 1/2" = 1'-0" Checked: MAT

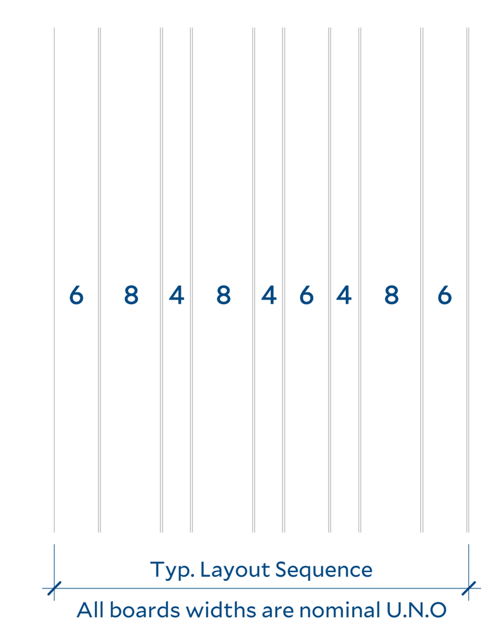
Sheet
Building Elevations

Sheet
A301

2/16/2022 2:31:36 PM



1 Elevation - East Siding Layout
1/2" = 1'-0"



PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

LICENSED ARCHITECT MATTHEW A. THACKRAY C-3367 STATE OF WYOMING

16 February 22

Revisions

No.	Issued For	Issue Date
5	100% CONSTRUCTION DOCUMENTS	16 February 22

Casita Magee

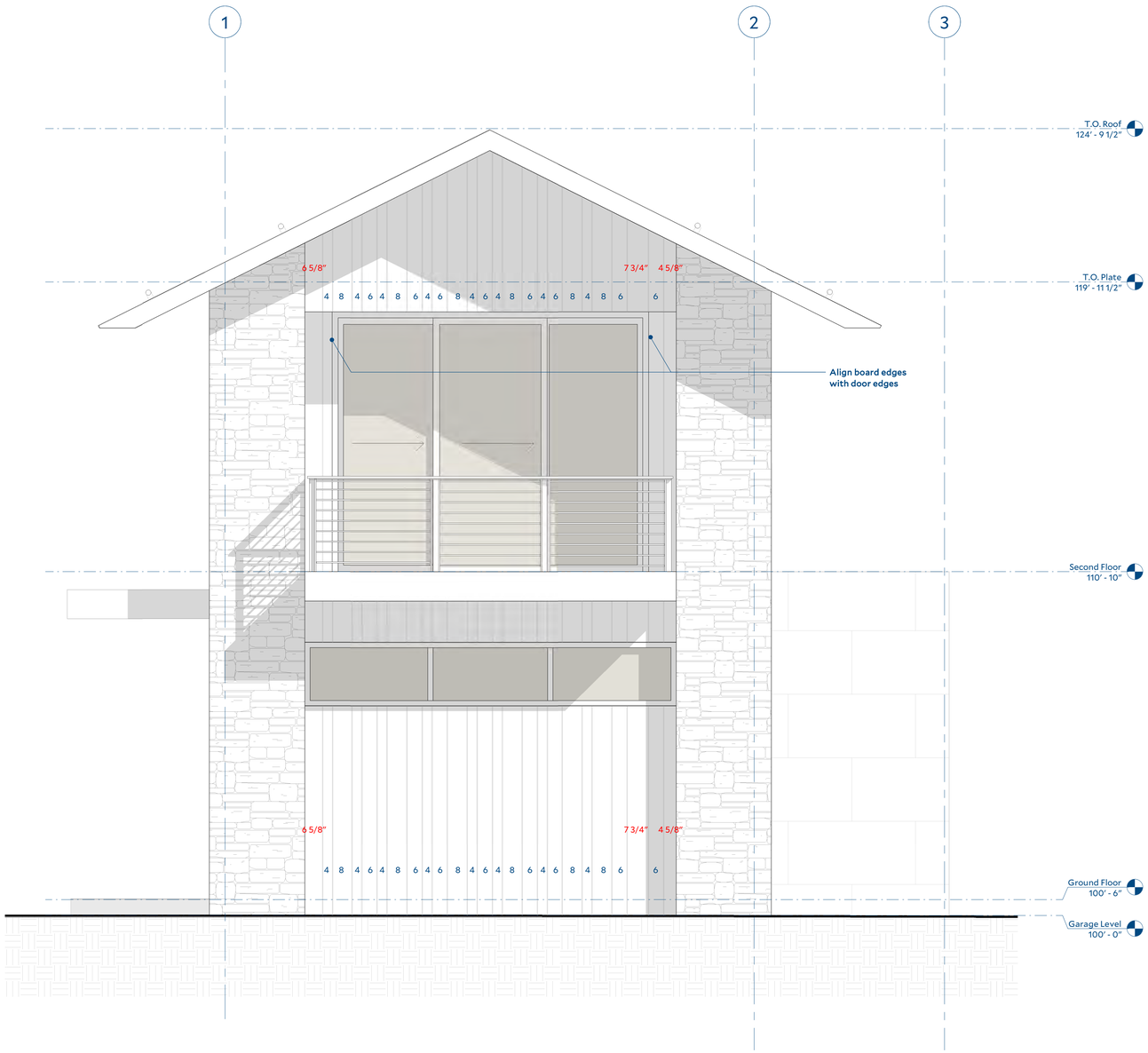
Teton Village, Wy

Project No.: 2022.00 Drawn: ZPN
Scale: 1/2" = 1'-0" Checked: MAT

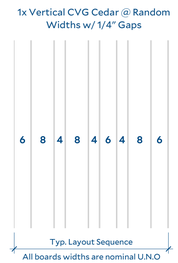
Sheet
Building Elevations

Sheet
A302

2/16/2022 2:31:41 PM



1 Elevation - West Siding Layout
1/2" = 1'-0"



PROSPECT
STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

LICENSED ARCHITECT
MATTHEW A. THERIAULT
C-3187
STATE OF WYOMING

16 February 22

Revisions

No.	Issued For	Issue Date
5	100% CONSTRUCTION DOCUMENTS	16 February 22

Casita Magee

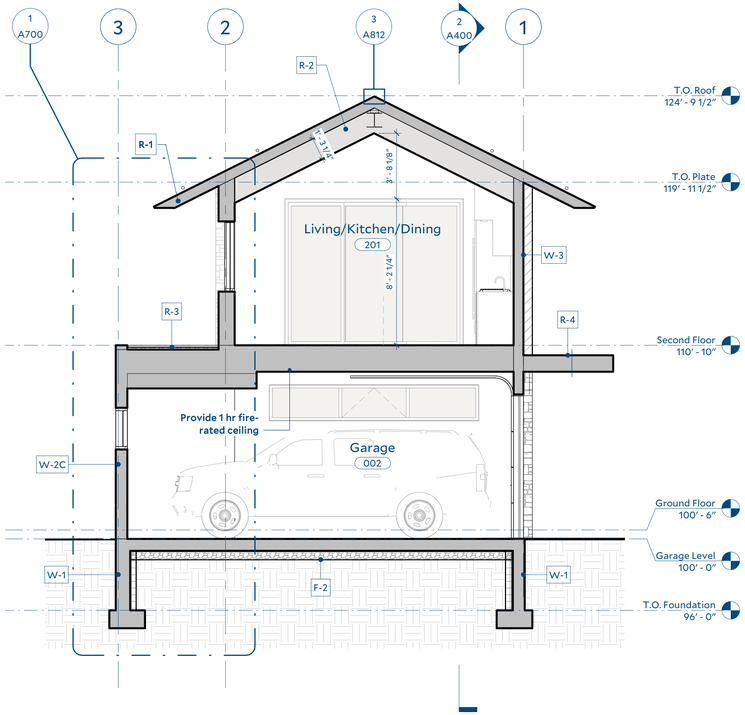
Teton Village, Wy

Project No.: 2022.00 Drawn: ZPN
Scale: 1/2" = 1'-0" Checked: MAT

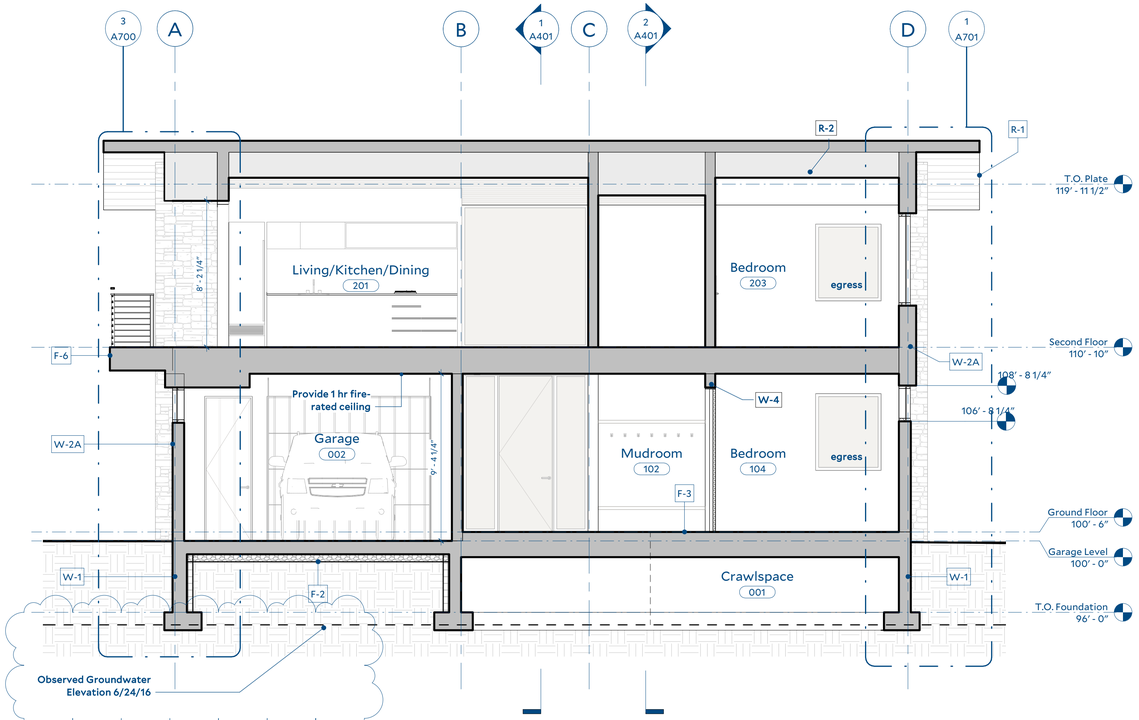
Sheet
Building Elevations

Sheet
A303

2/16/2022 2:31:46 PM



1 Section - North to South
1/4" = 1'-0"



2 Section - East to West
1/4" = 1'-0"

PROSPECT
STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

LICENSED ARCHITECT
MATTHEW A. THOMAS
C-3187
STATE OF WYOMING

16 February 22

Revisions

No.	Issued For	Issue Date
1	SCHEMATIC DESIGN	13 Jan 21
2	PERMIT SET	8 April 21
5	100% CONSTRUCTION DOCUMENTS	16 February 22

Casita Magee

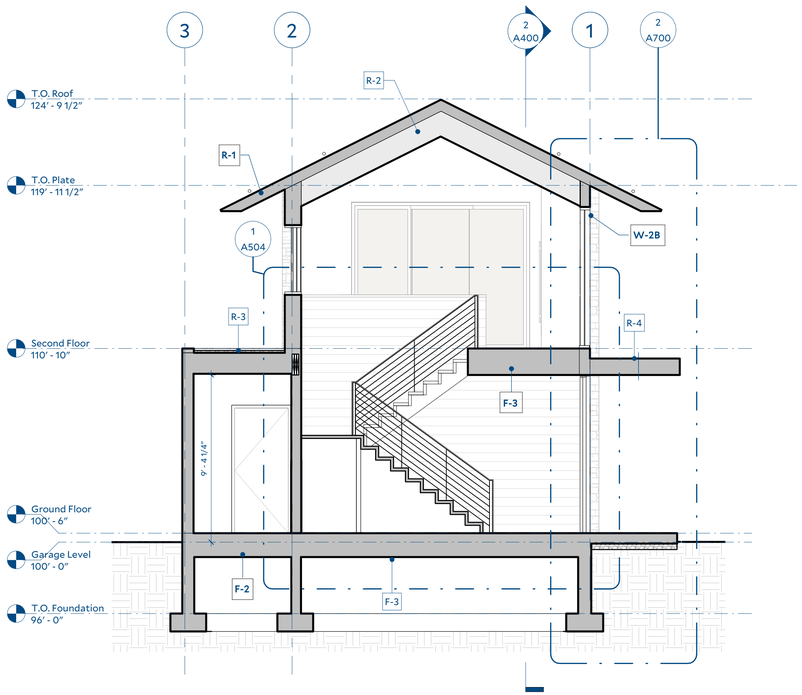
Teton Village, Wy

Project No. : 2022.00 Drawn: ZPN
Scale: 1/4" = 1'-0" Checked: Checker

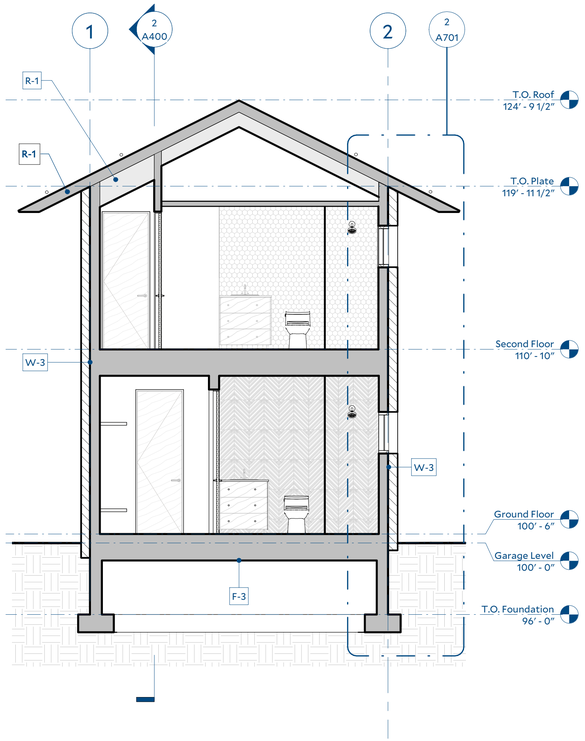
Sheet
Building Sections

Sheet
A400

2/16/2022 2:31:50 PM



1 Section - North to South w/ Stairs
1/4" = 1'-0"



2 Section -North to South w/ Flat Ceiling
1/4" = 1'-0"

PROSPECT
STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

LICENSED ARCHITECT
MATTHEW A. THERIAULT
C-3167
STATE OF WYOMING

16 February 22

Revisions

No.	Issued For	Issue Date
2	PERMIT SET	8 April 21
4	CORE & SHELL	3 September 21
5	100% CONSTRUCTION DOCUMENTS	16 February 22

Casita Magee

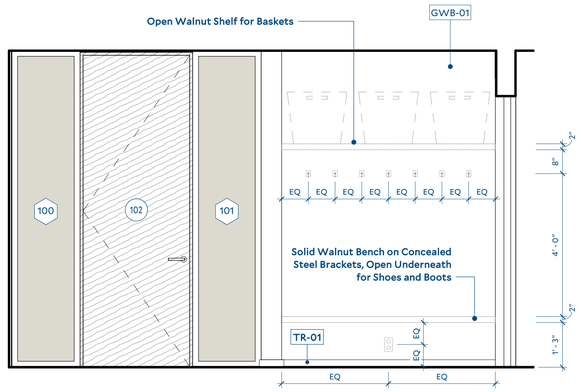
Teton Village, Wy

Project No.: 2022.00 Drawn: ZPN
Scale: 1/4" = 1'-0" Checked: MAT

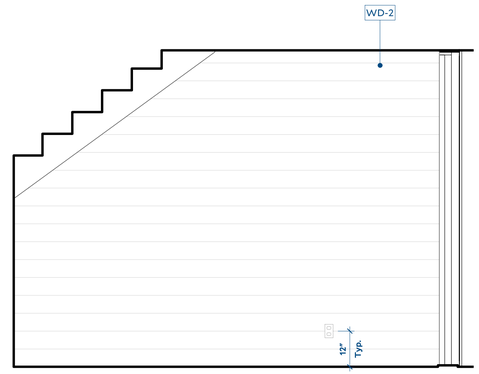
Sheet
Building Sections

Sheet
A401

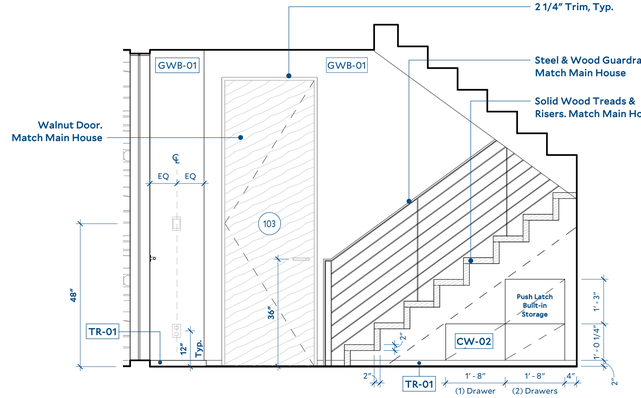
2/16/2022 2:31:51 PM



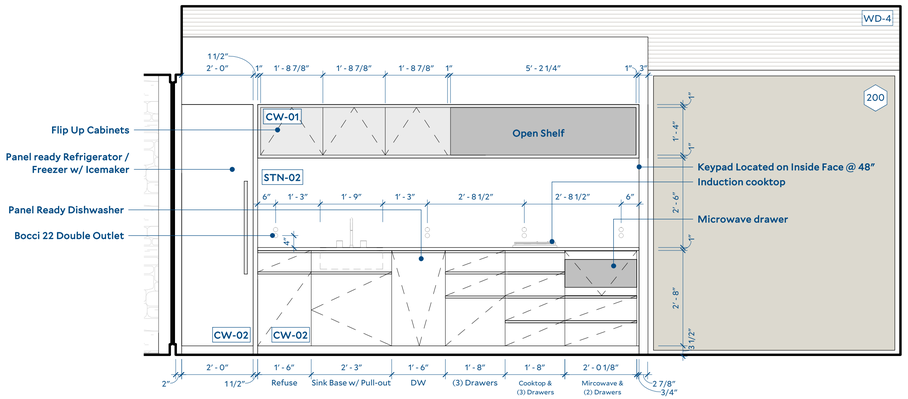
8 Entry & Mud - North
1/2" = 1'-0"



7 Entry - West
1/2" = 1'-0"

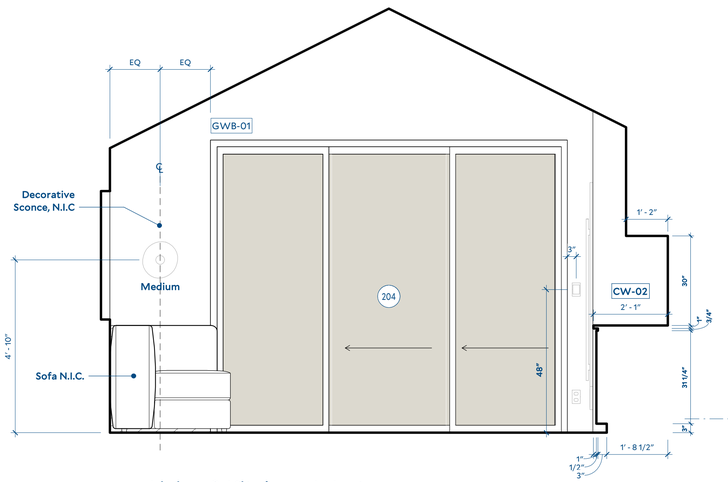


6 Interior Elevation - Stair Storage
1/2" = 1'-0"

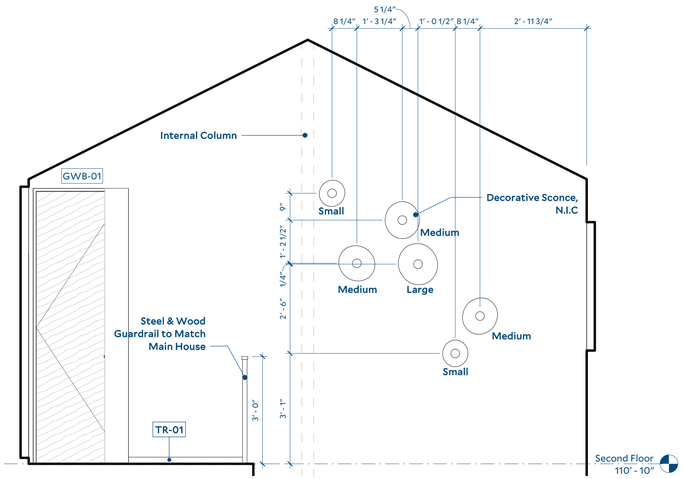


5 Kitchen - North
1/2" = 1'-0"

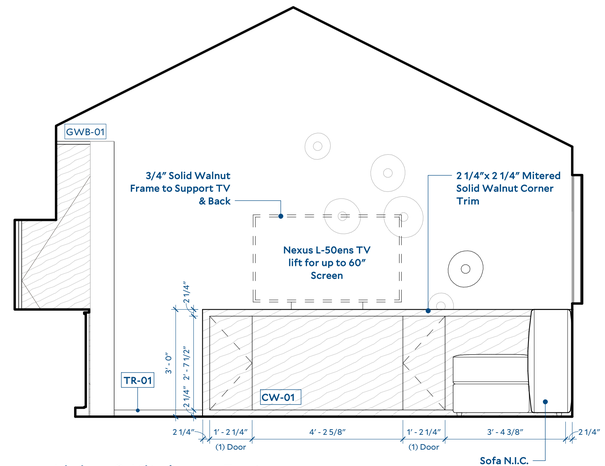
4 Living - South
1/2" = 1'-0"



3 Living & Kitchen - West
1/2" = 1'-0"



2 Living & kitchen - Stair Wall
1/2" = 1'-0"



1 Living & Kitchen - East
1/2" = 1'-0"

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

LICENSED ARCHITECT MATTHEW A. THOMAS C-3167 STATE OF WYOMING

16 February 22

MATERIAL LEGEND	
MARK	DESCRIPTION
CONC-01	Garage concrete
CPT-01	Bedroom Carpet
CW-01	Plain Sawn Walnut. AWI Premium grade veneer. Flat-slab door and drawer fronts. Maple boxes, concealed hinges, full extension, soft-close drawers. Drawer boxes to be dovetailed. Clear matte waterborne finish.
GL-01	1/2" Shower Glass
STN-02	Taj Mahal Quartzite, 2 cm thick, leathered finish with square eased edge. Provide matte finish sealer
STN-03	Bluestone
STN-04	Caesarstone, Fresh Concrete
TL-01	Ann Sacks, Savoy Classic Mosaic, Herringbone, Ricepaper
TL-02	
WD-02	1x ipe Decking
WD-03	8" Plank Select Walnut, 3/4", Solid T&G stained, matte finish

Revisions

No.	Issued For	Issue Date
5	100% CONSTRUCTION DOCUMENTS	16 February 22

Casita Magee

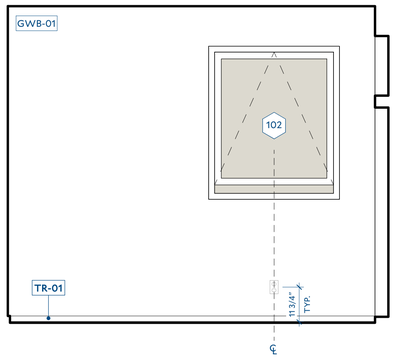
Teton Village, Wy

Project No. : 2022.00 — Drawn: ZPN
Scale: 1/2" = 1'-0" — Checked: MAT

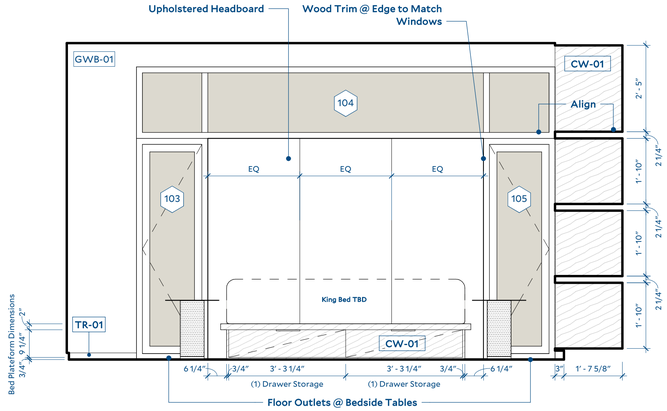
Sheet
Interior Elevations

Sheet
5
A500

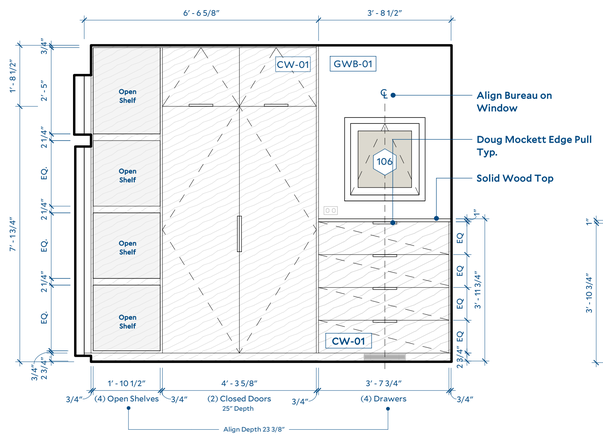
2/16/2022 2:31:56 PM



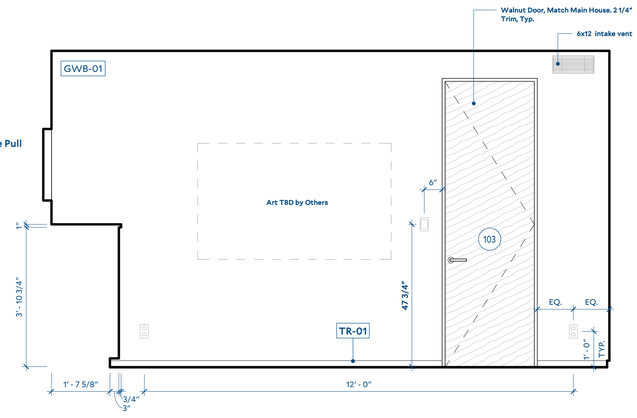
6 Downstairs Bedroom - North
1/2" = 1'-0"



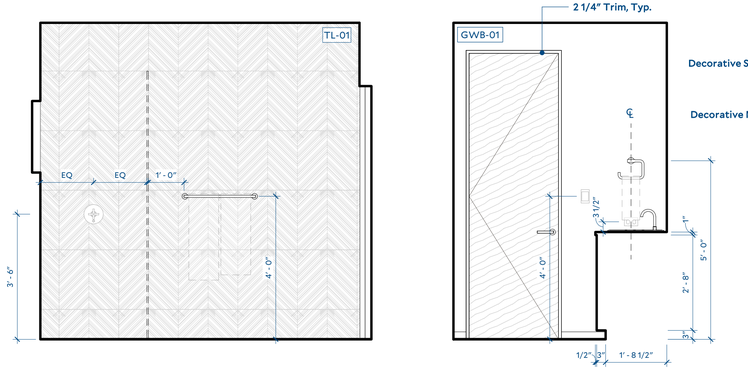
5 Downstairs Bedroom - East
1/2" = 1'-0"



4 Downstairs Bedroom - South
1/2" = 1'-0"

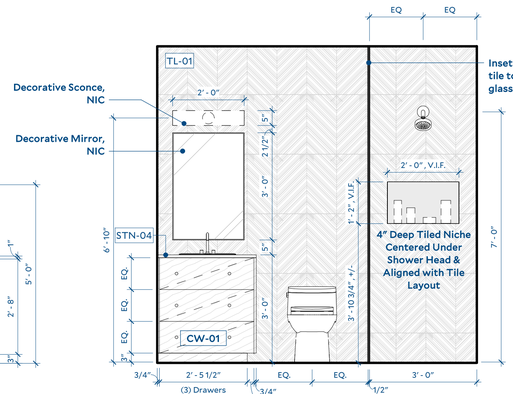


3 Downstairs Bedroom - West
1/2" = 1'-0"

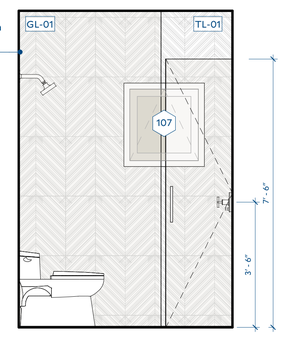


8 Lower Bathroom - West
1/2" = 1'-0"

7 Lower Bathroom - North
1/2" = 1'-0"



2 Bathroom - East
1/2" = 1'-0"



1 Bathroom - South
1/2" = 1'-0"

PROSPECT STUDIO
4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

LICENSED ARCHITECT MATTHEW A. THOMAS C-3167 STATE OF WYOMING

16 February 22

MATERIAL LEGEND	
MARK	DESCRIPTION
CONC-01	Garage concrete
CPT-01	Bedroom Carpet
CW-01	Plain Sawn Walnut. AWI Premium grade veneer. Flat-slab door and drawer fronts. Maple boxes, concealed hinges, full extension, soft-close drawers. Drawer boxes to be dovetailed. Clear matte waterborne finish.
GL-01	1/2" Shower Glass
STN-02	Taj Mahal Quartzite, 2 cm thick, leathered finish with square eased edge. Provide matte finish sealer
STN-03	Bluestone
STN-04	Caesarstone, Fresh Concrete
TL-01	Ann Sacks, Savoy Classic Mosaic, Herringbone, Ricepaper
TL-02	
WD-02	1x ipe Decking
WD-03	8" Plank Select Walnut, 3/4", Solid T&G stained, matte finish

Revisions

No.	Issued For	Issue Date
5	100% CONSTRUCTION DOCUMENTS	16 February 22

Casita Magee

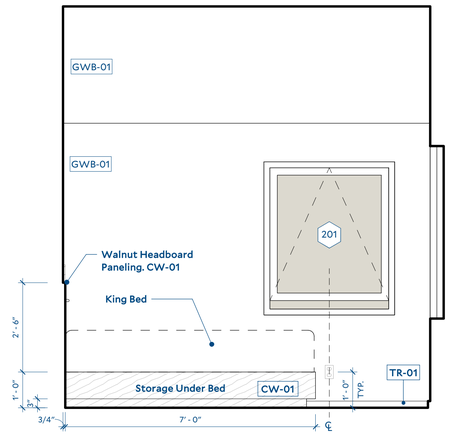
Teton Village, Wy

Project No. : 2022.00 Drawn: ZPN
Scale: 1/2" = 1'-0" Checked: MAT

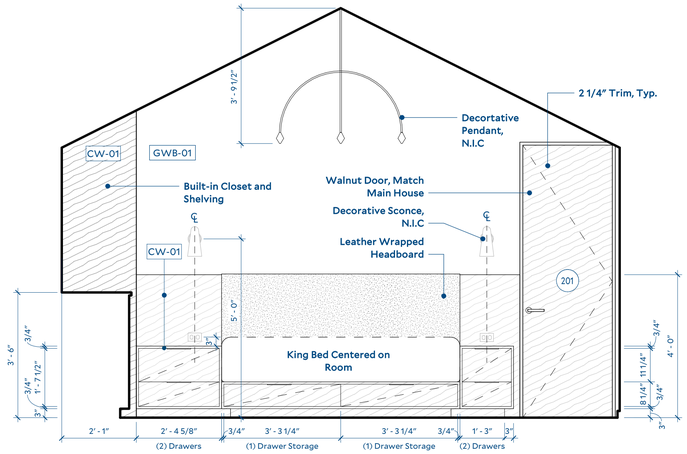
Sheet
Interior Elevations

Sheet
A501

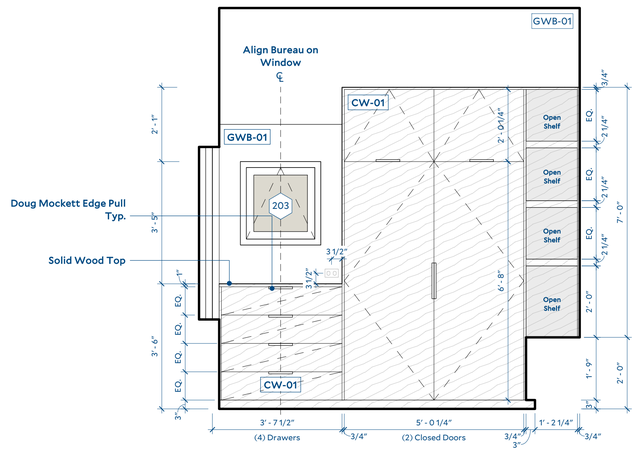
2/16/2022 2:32:03 PM



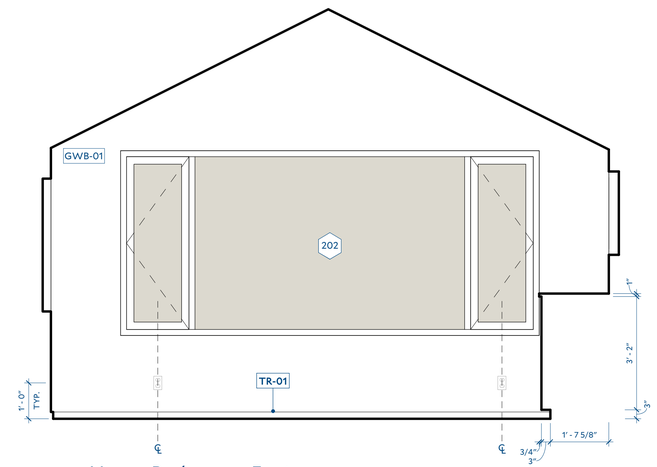
4 Upper Bedroom - North
1/2" = 1'-0"



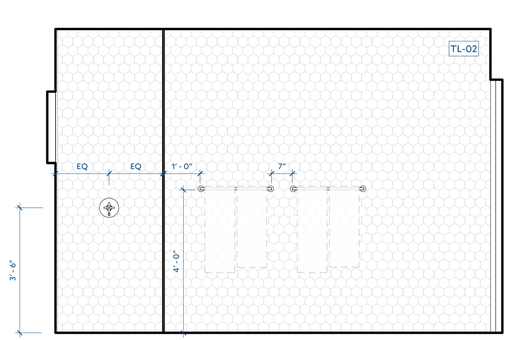
2 Upper Bedroom - West
1/2" = 1'-0"



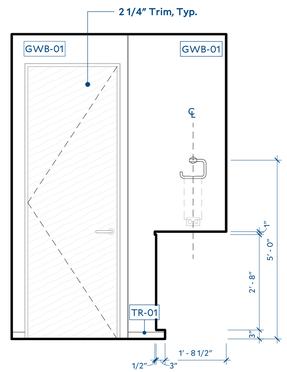
3 Upper Bedroom - South
1/2" = 1'-0"



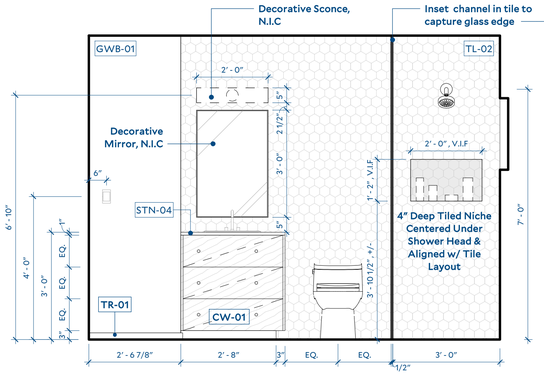
1 Upper Bedroom - East
1/2" = 1'-0"



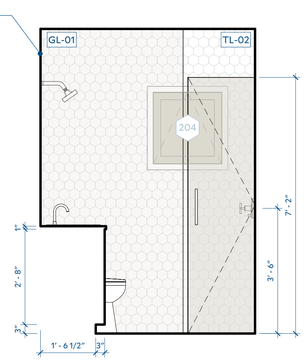
8 Upper Bathroom - West
1/2" = 1'-0"



7 Upper Bathroom - North
1/2" = 1'-0"



5 Upper Bathroom - East
1/2" = 1'-0"



6 Upper Bathroom - South
1/2" = 1'-0"

PROSPECT STUDIO
4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

LICENSED ARCHITECT MATTHEW A. THOMAS C-5167 STATE OF WYOMING

16 February 22

MATERIAL LEGEND	
MARK	DESCRIPTION
CONC-01	Garage concrete
CPT-01	Bedroom Carpet
CW-01	Plain Sawn Walnut. AWI Premium grade veneer. Flat-slab door and drawer fronts. Maple boxes, concealed hinges, full extension, soft-close drawers. Drawer boxes to be dovetailed. Clear matte waterborne finish.
GL-01	1/2" Shower Glass
STN-02	Taj Mahal Quartzite, 2 cm thick, leathered finish with square eased edge. Provide matte finish sealer
STN-03	Bluestone
STN-04	Caesarstone, Fresh Concrete
TL-01	Ann Sacks, Savoy Classic Mosaic, Herringbone, Ricepaper
TL-02	
WD-02	1x ipe Decking
WD-03	8" Plank Select Walnut, 3/4", Solid T&G stained, matte finish

Revisions

No.	Issued For	Issue Date
5	100% CONSTRUCTION DOCUMENTS	16 February 22

Casita Magee

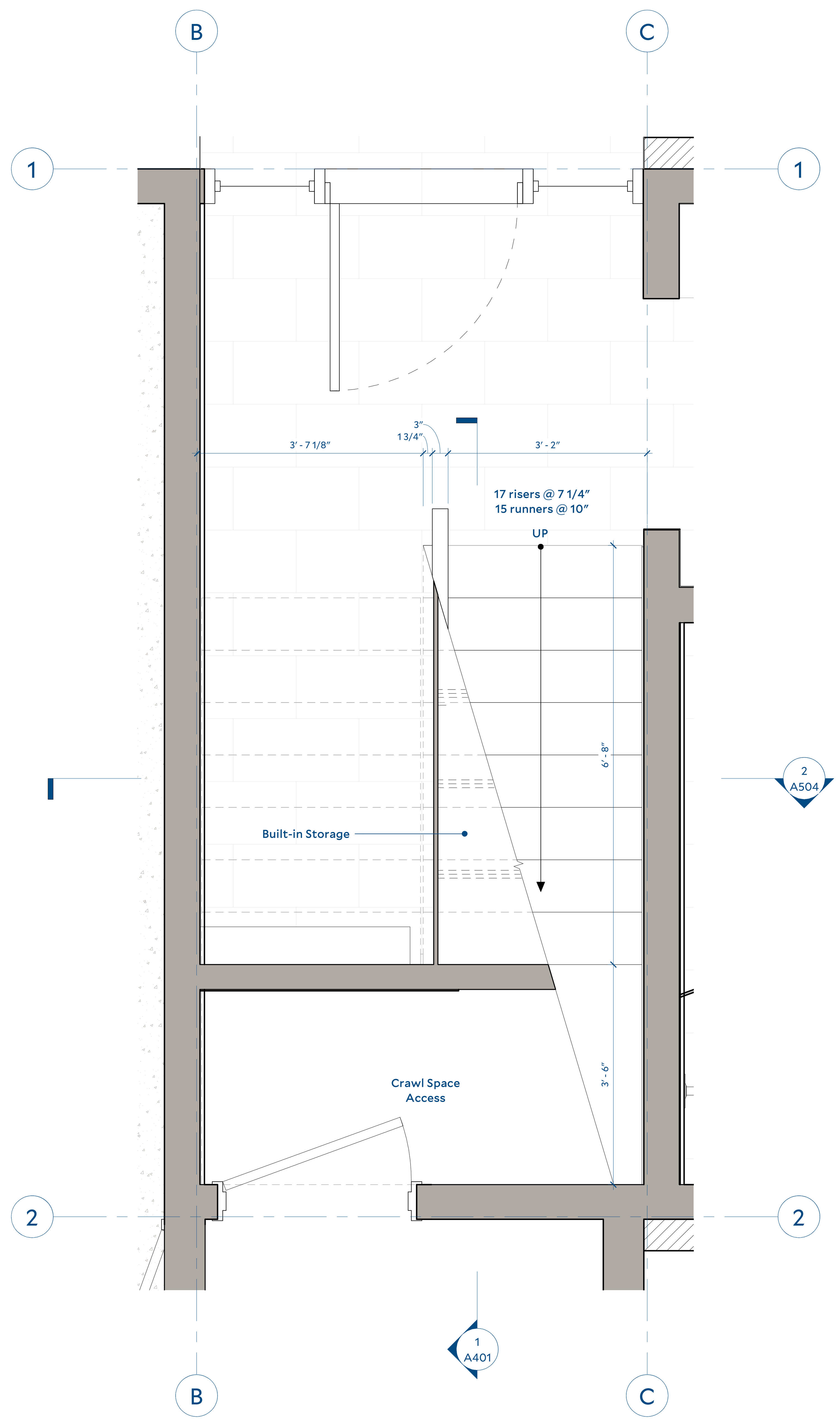
Teton Village, Wy

Project No. : 2022.00 Drawn: ZPN
Scale: 1/2" = 1'-0" Checked: MAT

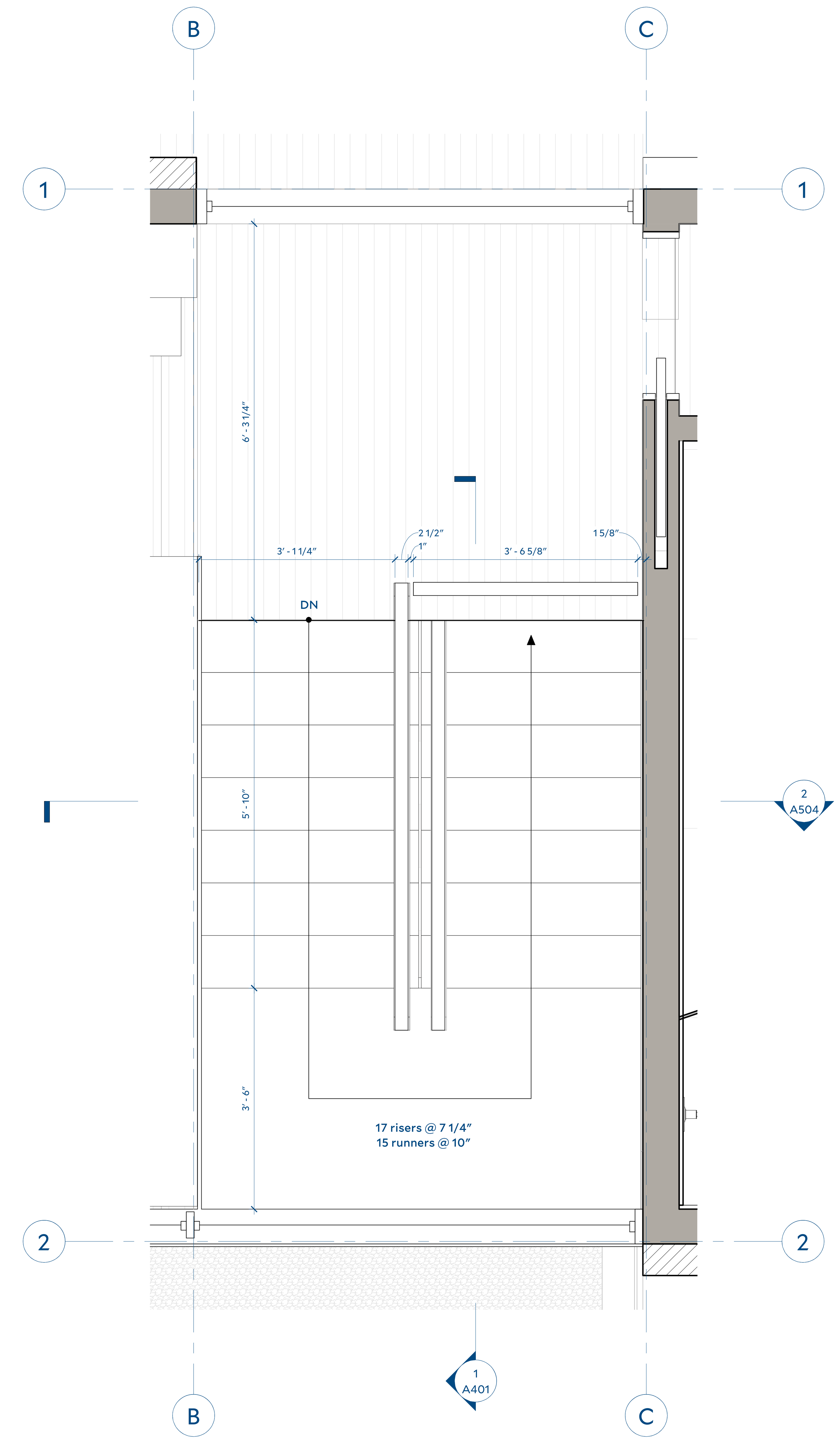
Sheet
Interior Elevations

Sheet
A502

2/16/2022 2:32:07 PM



1 Stair Plan - Ground Floor
3/4" = 1'-0"



2 Stair Plan - Second Floor
3/4" = 1'-0"

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

LICENSED ARCHITECT MATTHEW A. THACKRAY C-3367 STATE OF WYOMING

16 February 22

Revisions

No.	Issued For	Issue Date
2	PERMIT SET	8 April 21
5	100% CONSTRUCTION DOCUMENTS	16 February 22

Casita Magee

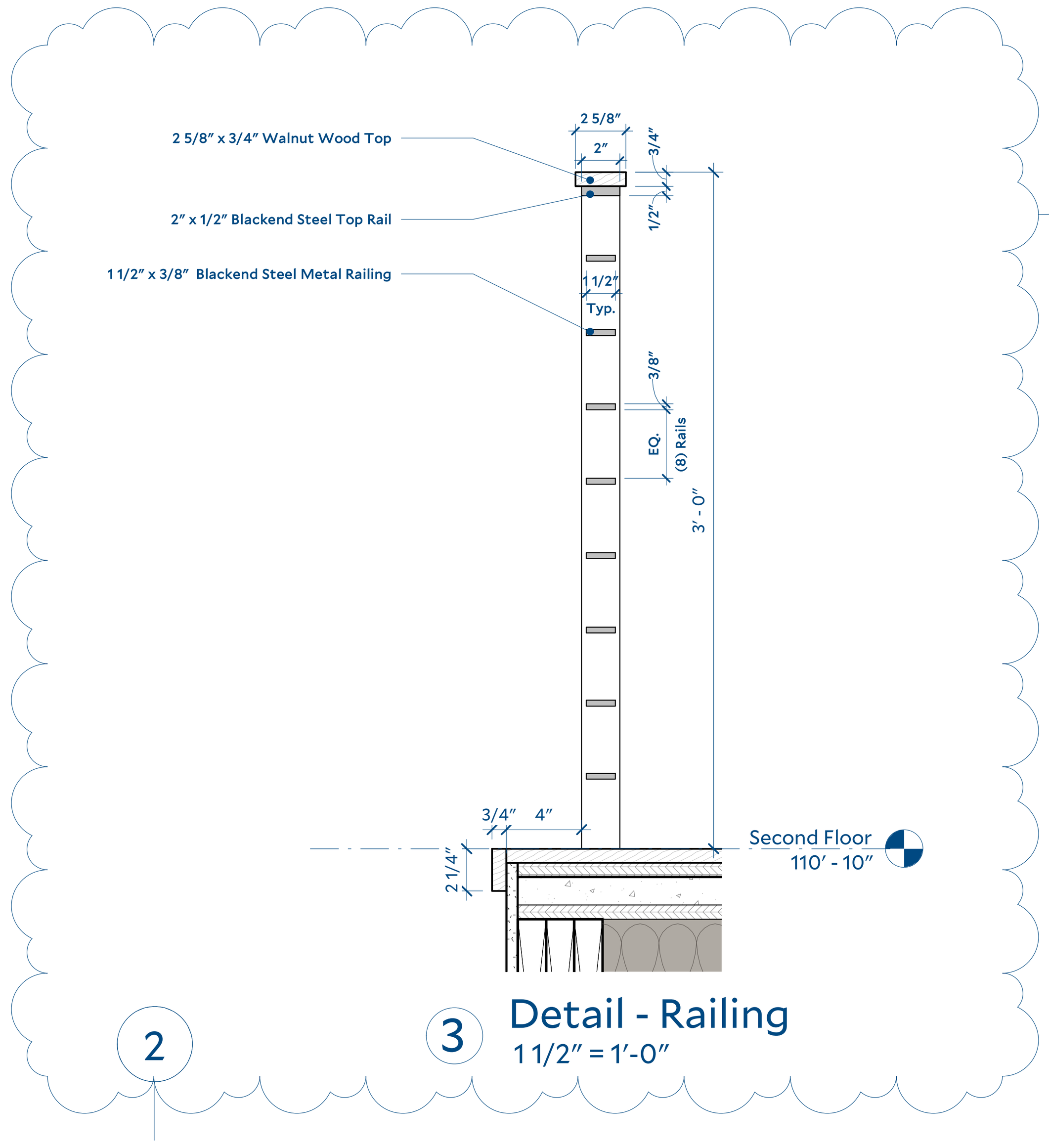
Teton Village, Wy

Project No.: 2022.00 Drawn: ZPN
Scale: 3/4" = 1'-0" Checked: MAT

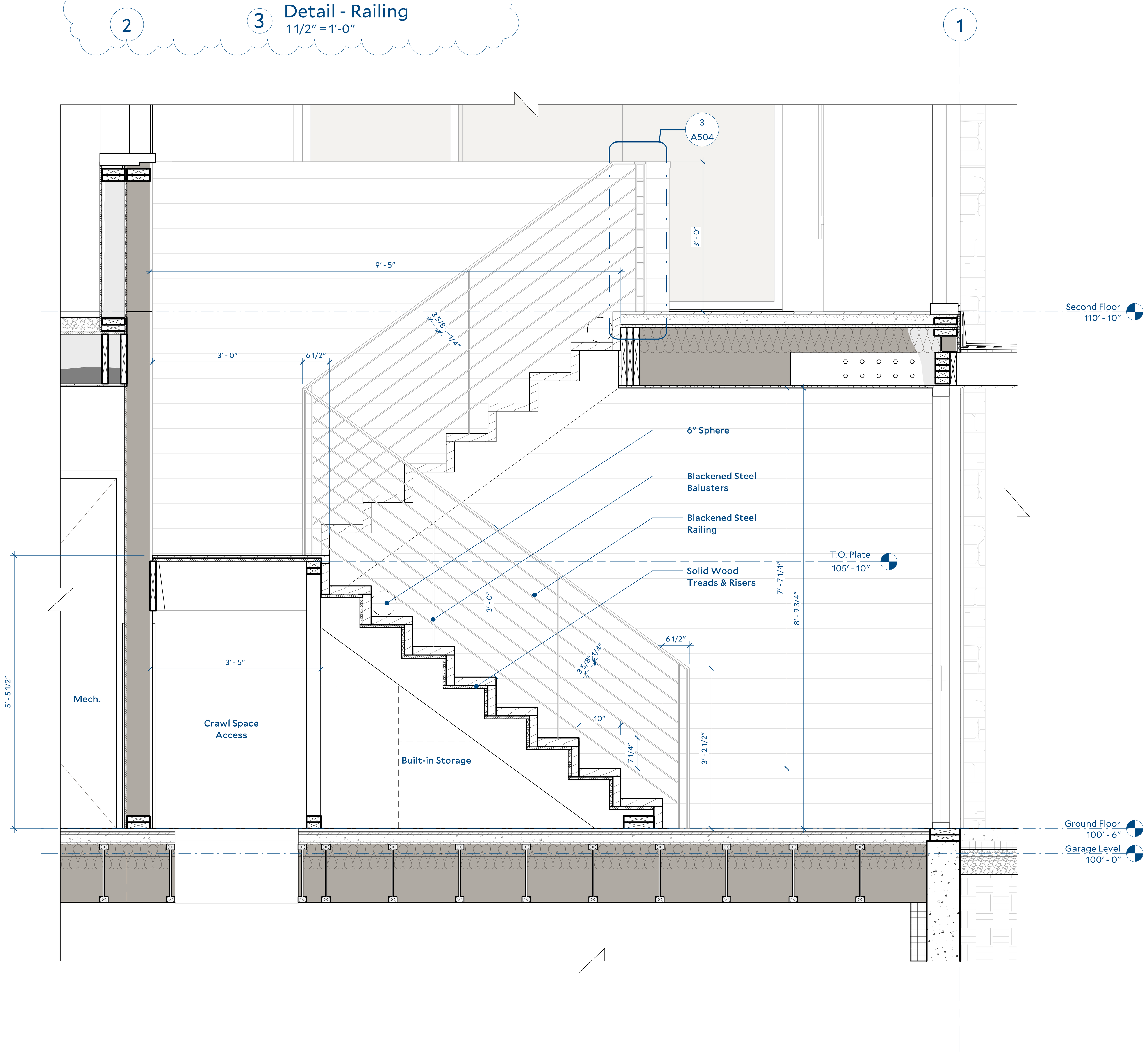
Sheet
Stair Plans

Sheet
A503

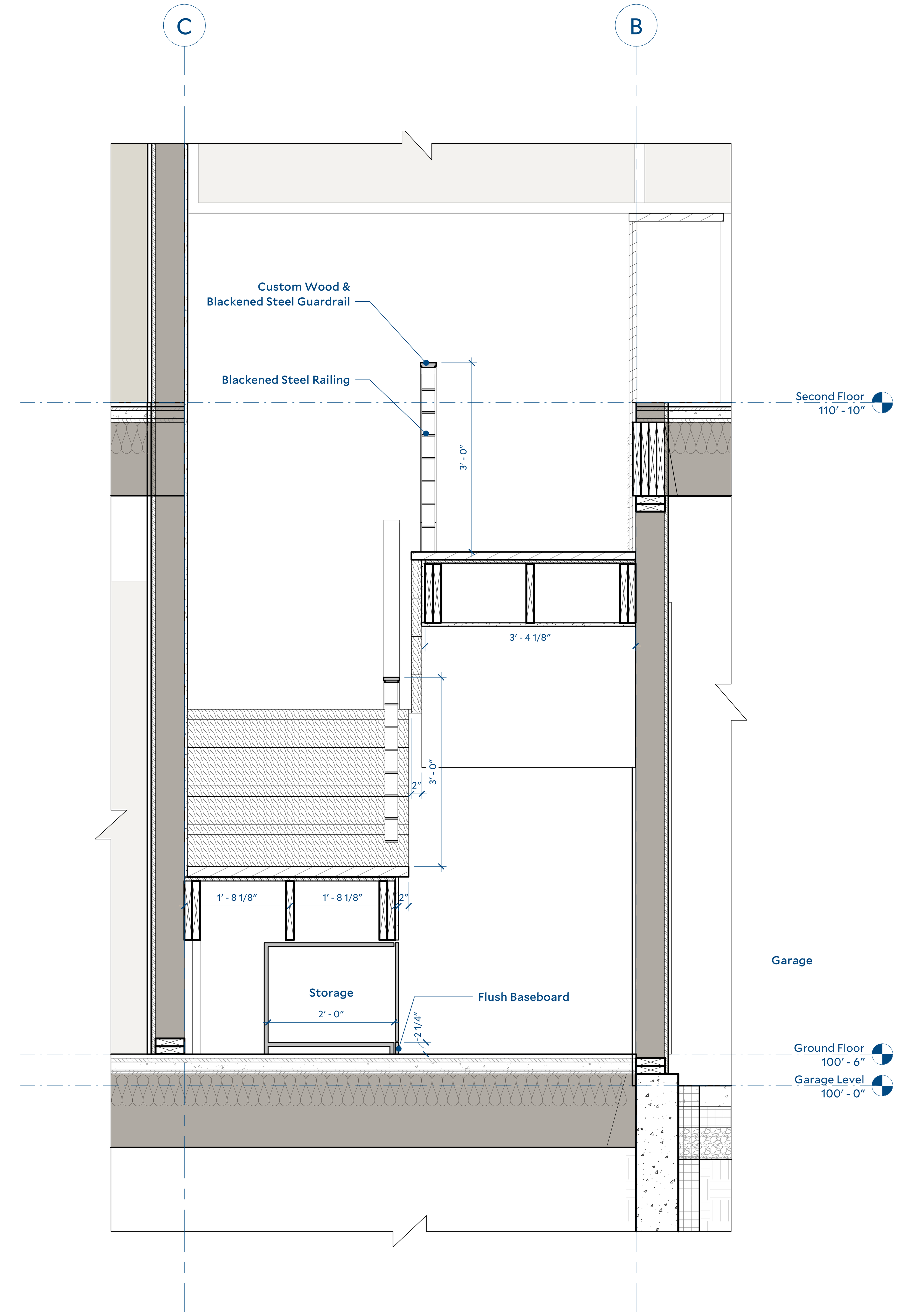
2/16/2022 2:32:09 PM



3 Detail - Railing
1 1/2" = 1'-0"



1 Section - Entry Stair
3/4" = 1'-0"



2 Section - Stair
3/4" = 1'-0"

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

LICENSED ARCHITECT MATTHEW A. THACKRAY C-3367 STATE OF WYOMING

16 February 22

Revisions

No.	Issued For	Issue Date
2	PERMIT SET	8 April 21
5	100% CONSTRUCTION DOCUMENTS	16 February 22

Casita Magee

Teton Village, Wy

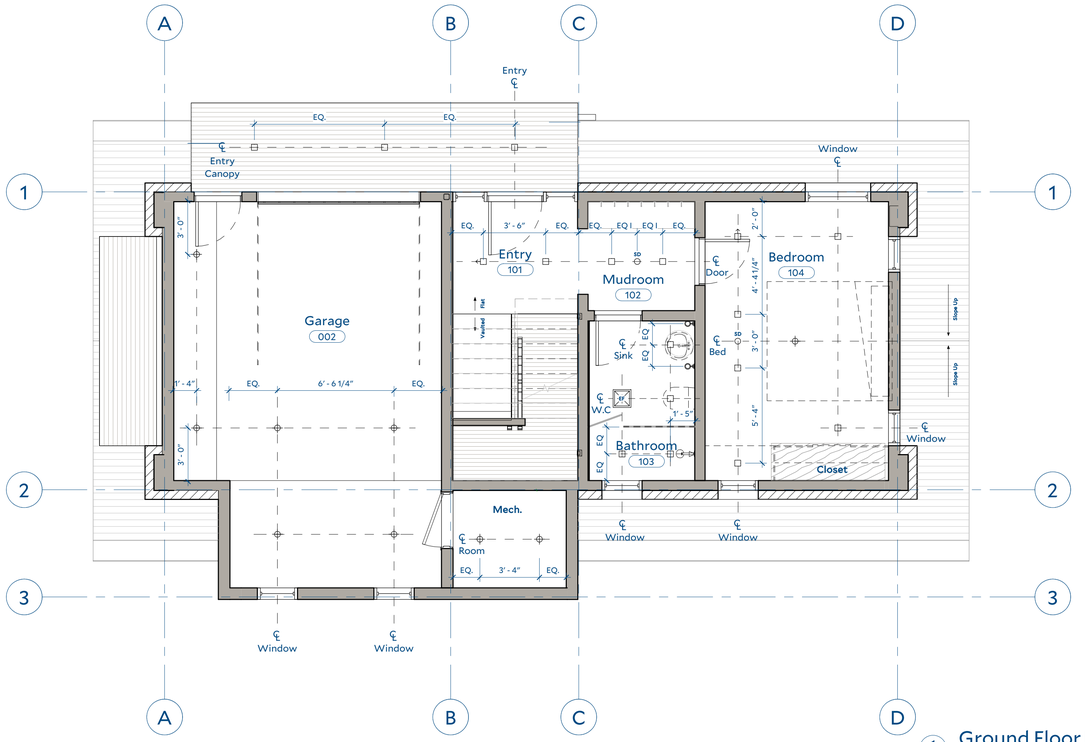
Project No.: 2022.00 Drawn: ZPN
Scale: As indicated Checked: MAT

Sheet
Stair Section

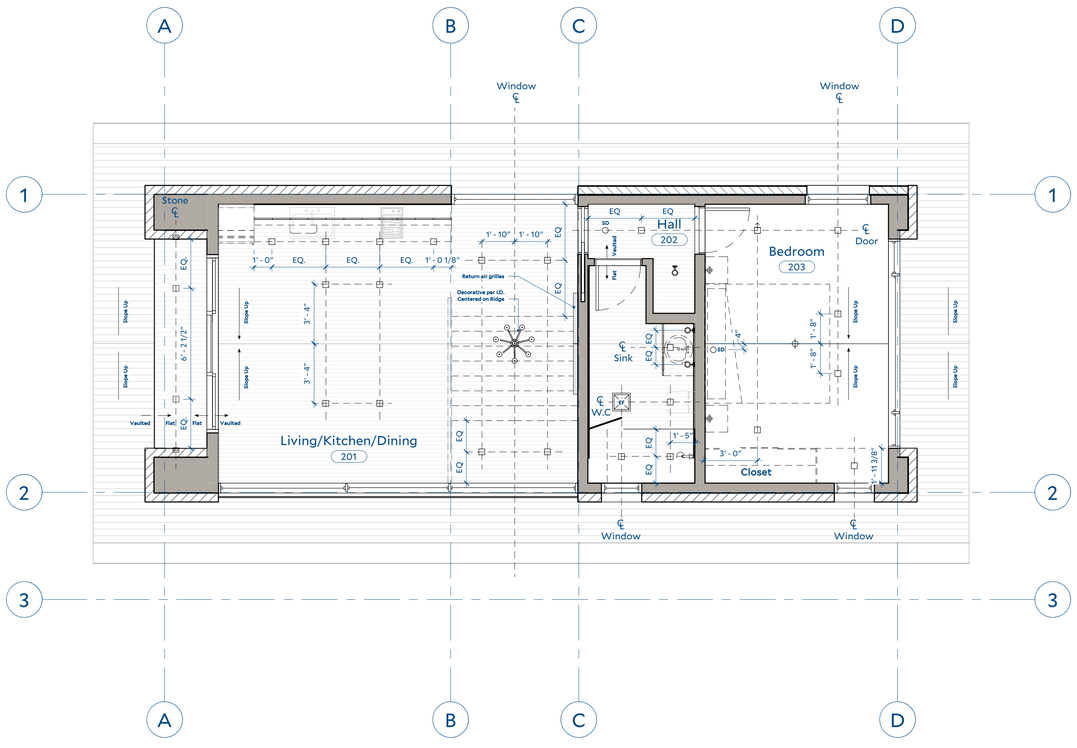
5

Sheet
A504

2/16/2022 2:32:12 PM



1 Ground Floor RCP
1/4" = 1'-0"



2 Second Floor RCP
1/4" = 1'-0"

General Notes 3

All smoke detectors shall be a combination of smoke & carbon monoxide detectors

2/16/2022 2:32:13 PM

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

LICENSED ARCHITECT MATTHEW A. THOMAS C-3167 STATE OF WYOMING

16 February 22

Revisions

No.	Issued For	Issue Date
1	SCHEMATIC DESIGN	13 Jan 21
2	PERMIT SET	8 April 21
3	Permit Revision	7 May 21
4	CORE & SHELL	3 September 21
5	100% CONSTRUCTION DOCUMENTS	16 February 22

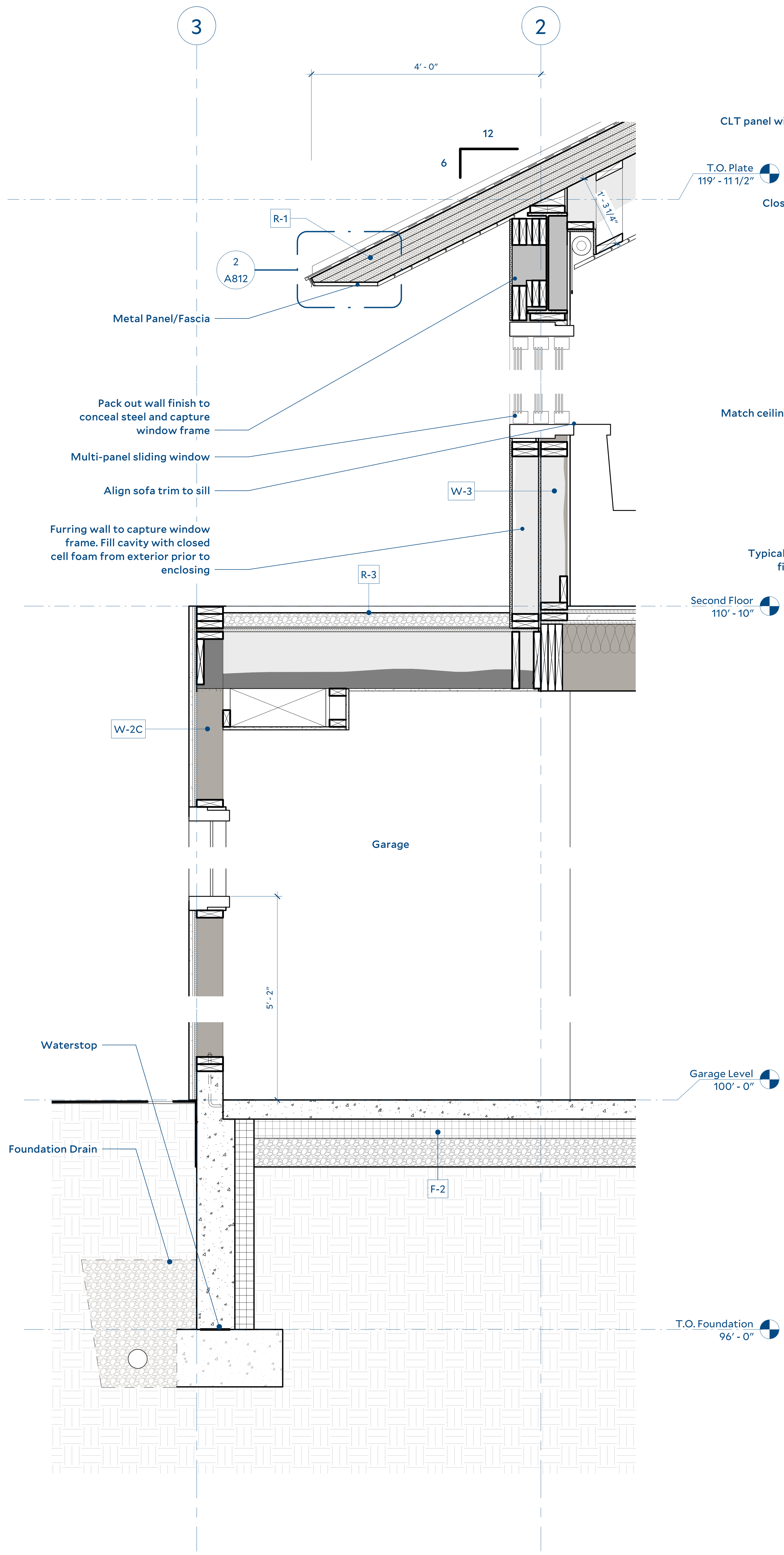
Casita Magee

Teton Village, Wy

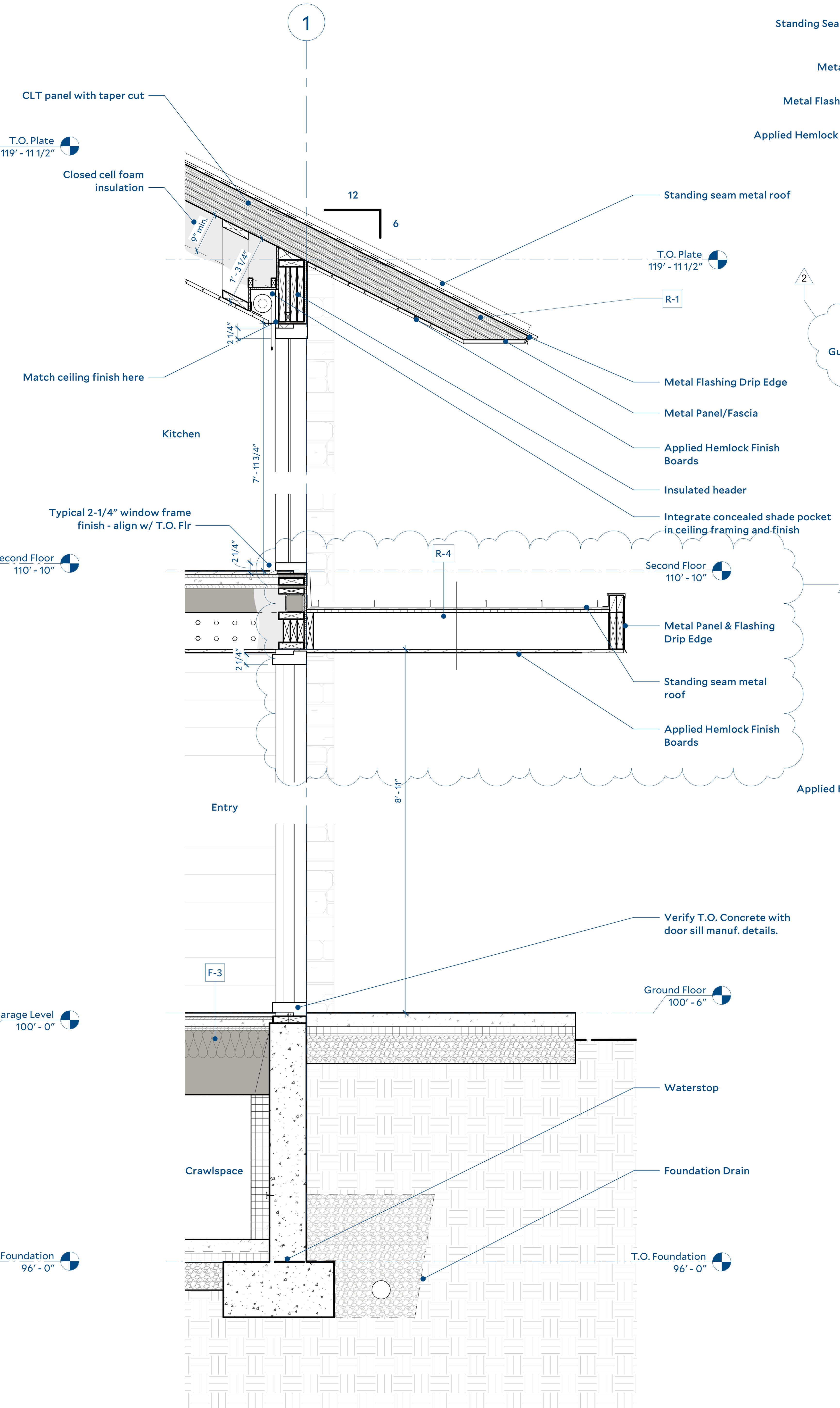
Project No. : 2022.00 Drawn: ZPN
Scale: 1/4" = 1'-0" Checked: MAT

Sheet
Ground & Second Floor RCP

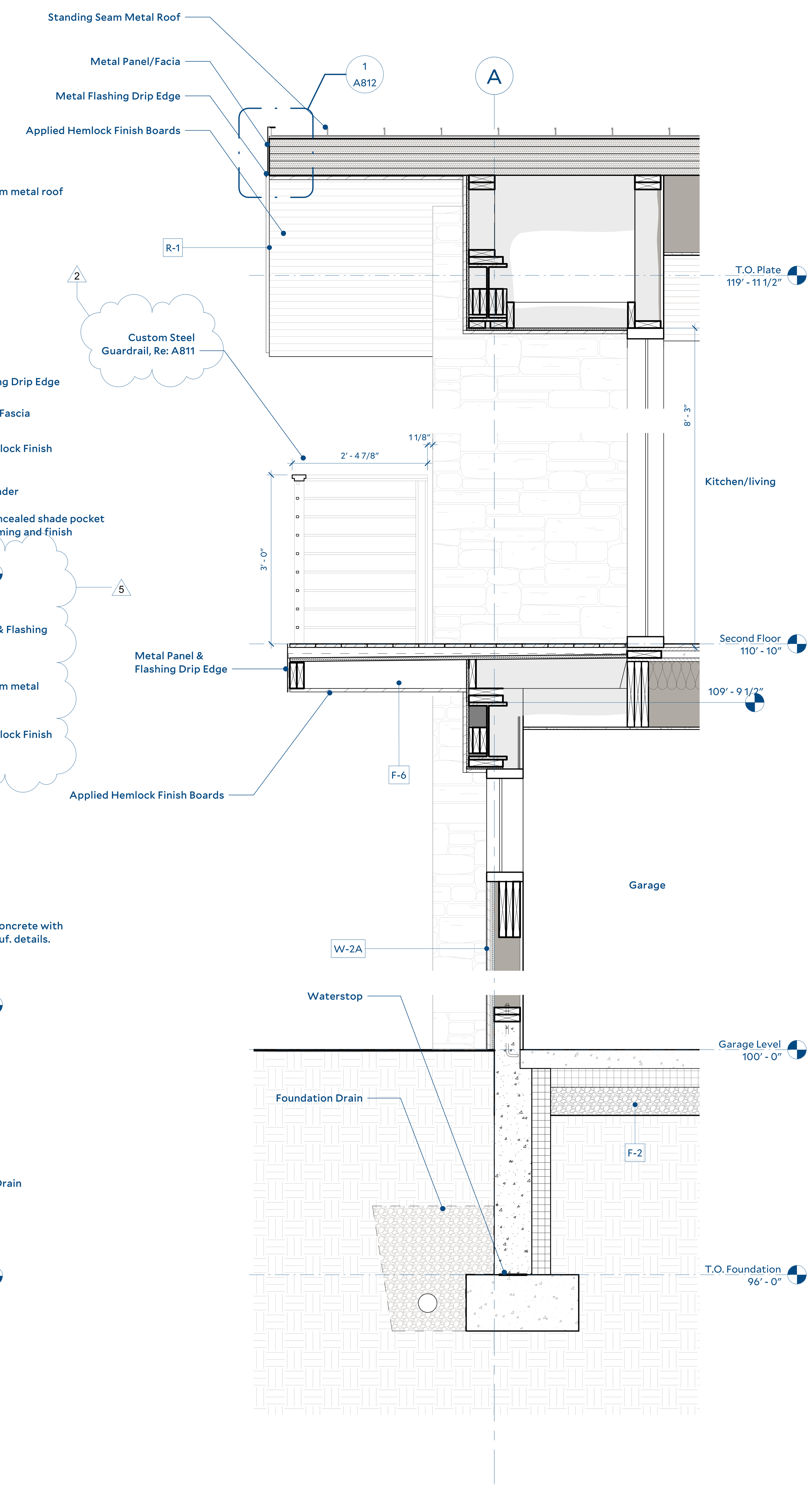
Sheet
A610



1 Section - Garage and Living Room
3/4" = 1'-0"



2 Section - Canopy at Entry
3/4" = 1'-0"



3 Section - Garage & Deck
3/4" = 1'-0"

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

16 February 22

Revisions

No.	Issued For	Issue Date
2	PERMIT SET	8 April 21
5	100% CONSTRUCTION DOCUMENTS	16 February 22

Casita Magee

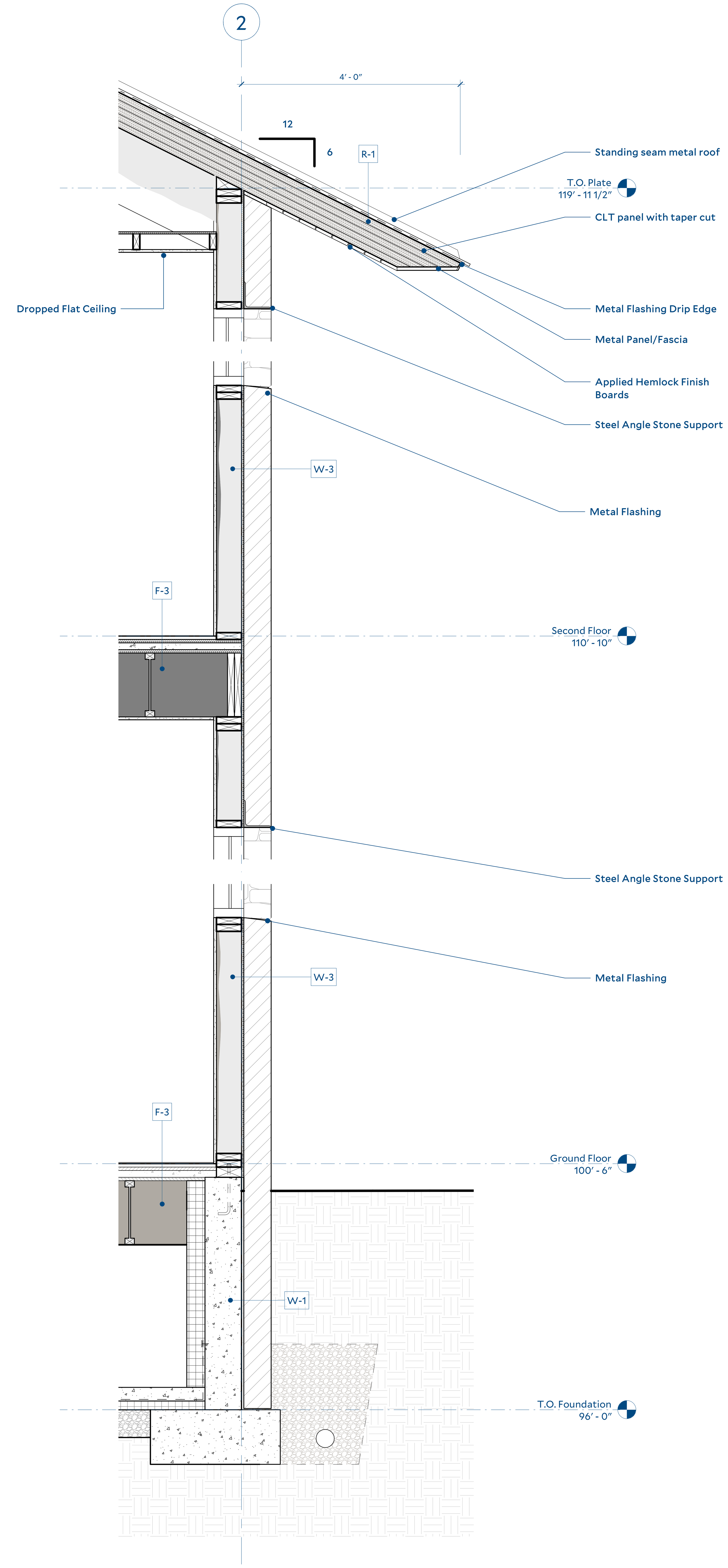
Teton Village, Wy

Project No.: 2022.00 Drawn: ZPN
Scale: 3/4" = 1'-0" Checked: MAT

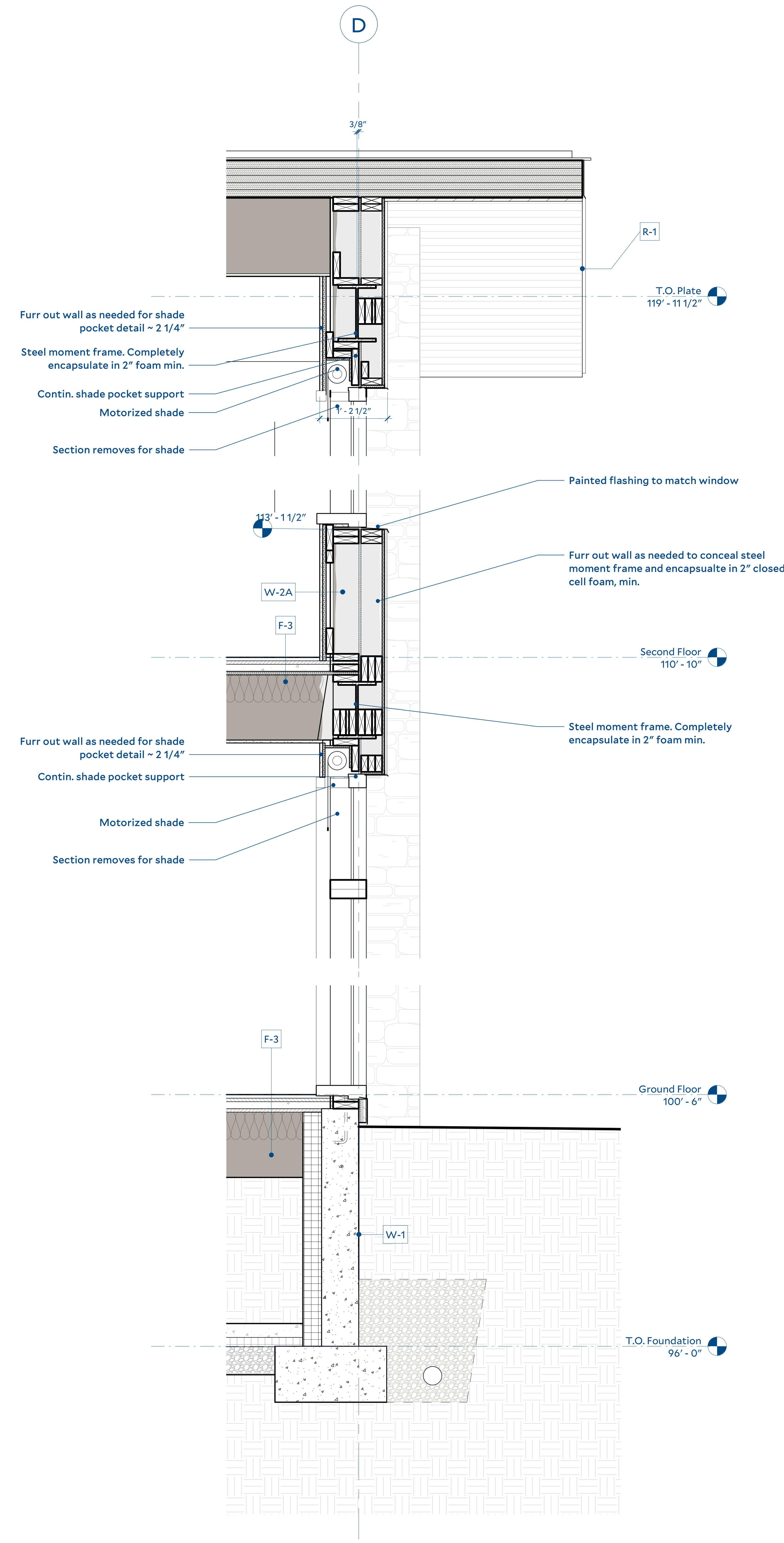
Sheet
Wall Sections

Sheet
A700

2/16/2022 2:32:15 PM



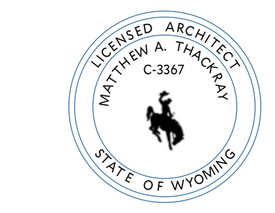
2 Wall Section - Stone and Flat Ceiling
3/4" = 1'-0"



1 Section - East Gable End
3/4" = 1'-0"

PROSPECT
STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com



16 February 22

Revisions

No.	Issued For	Issue Date
4	CORE & SHELL	3 September 21
5	100% CONSTRUCTION DOCUMENTS	16 February 22

Casita Magee

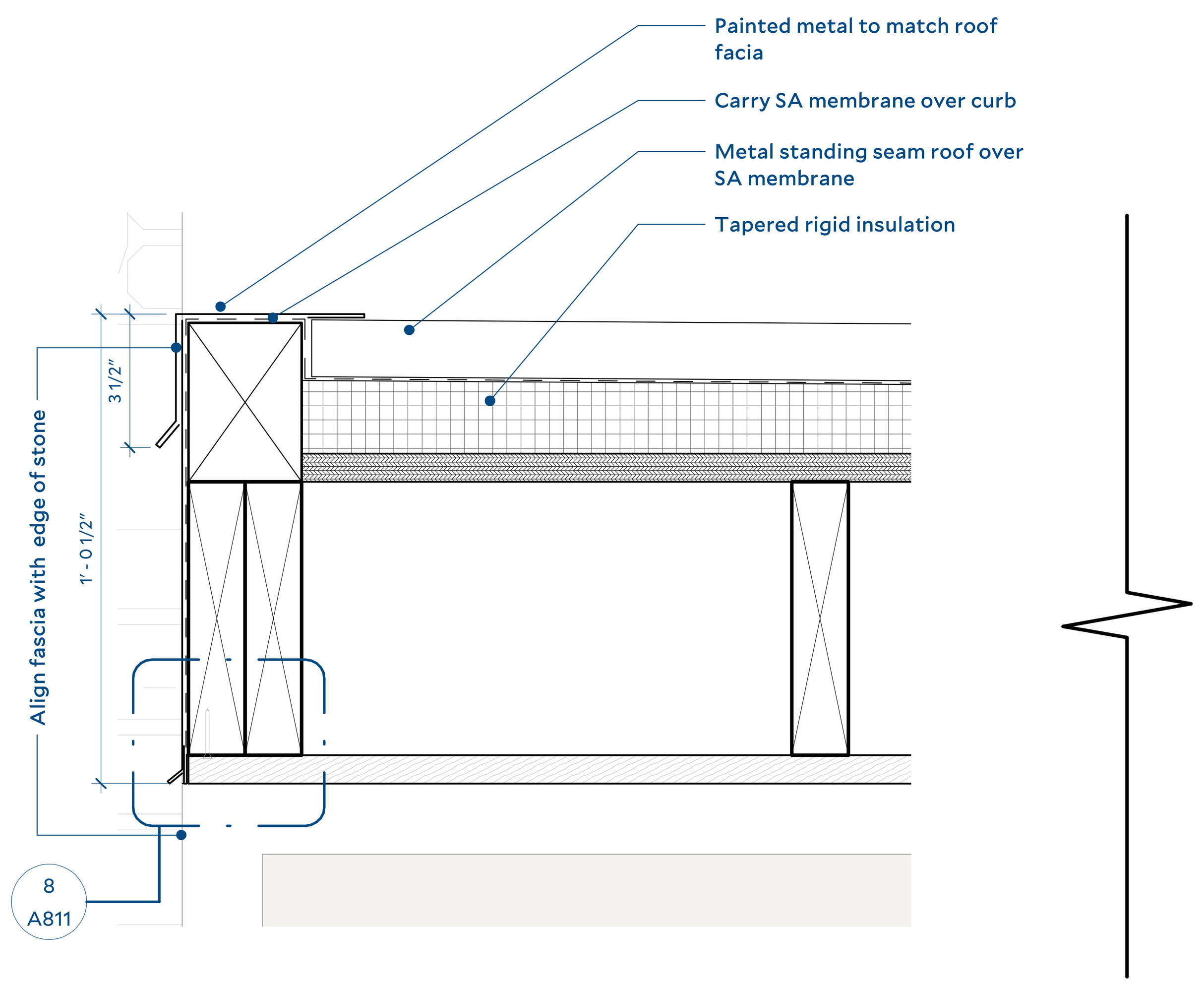
Teton Village, Wy

Project No.: 2022.00 Drawn: Author
Scale: 3/4" = 1'-0" Checked: Checker

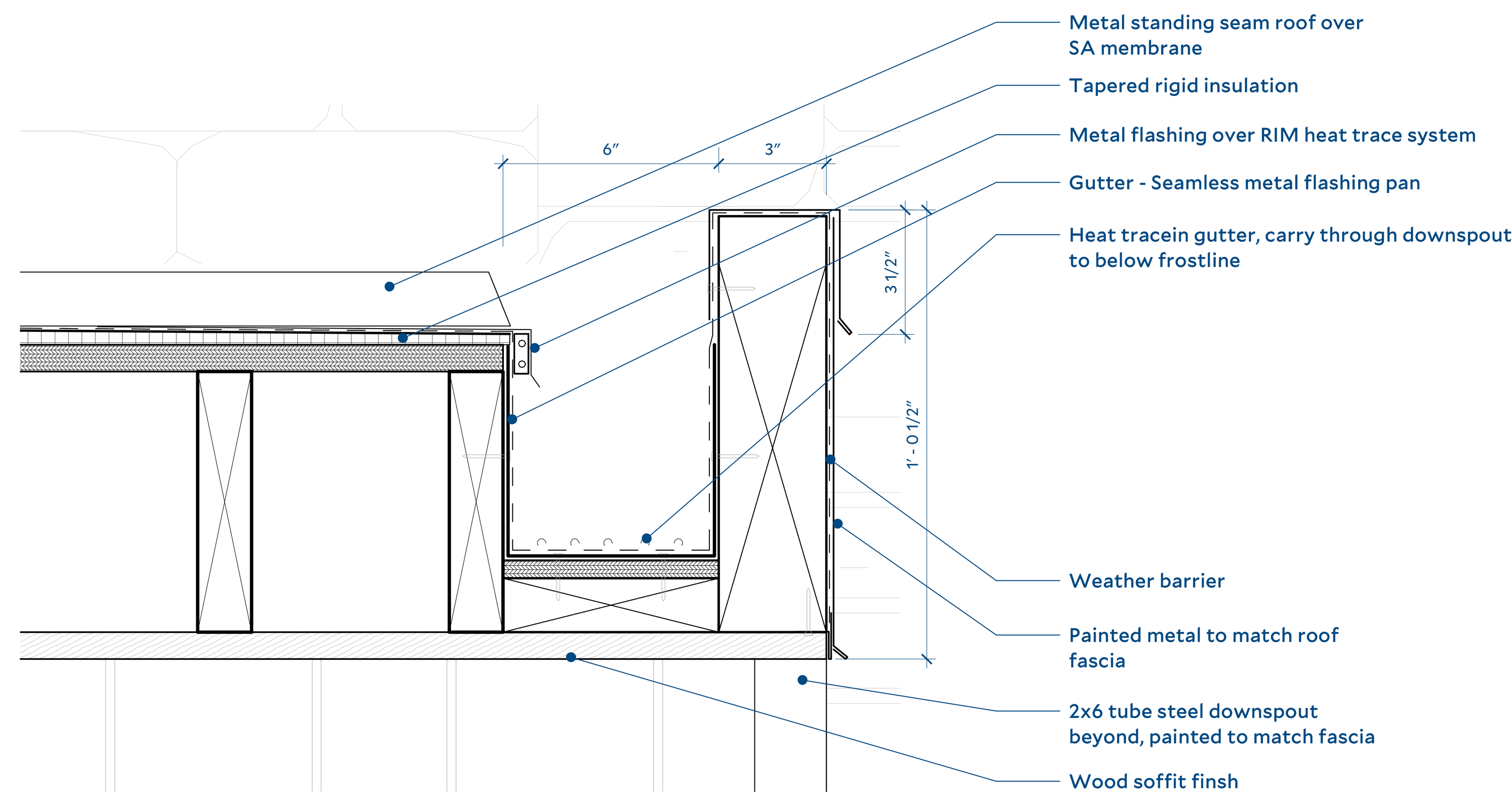
Sheet
Wall Sections

Sheet
A701

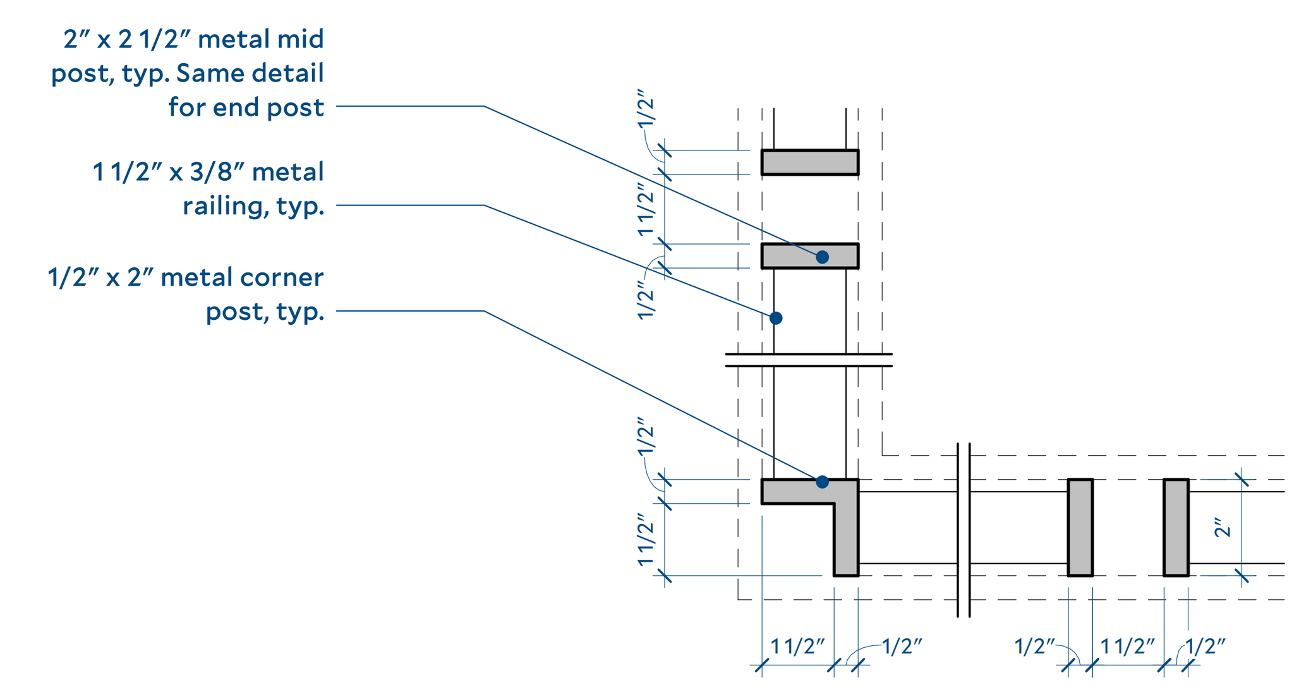
2/16/2022 2:32:16 PM



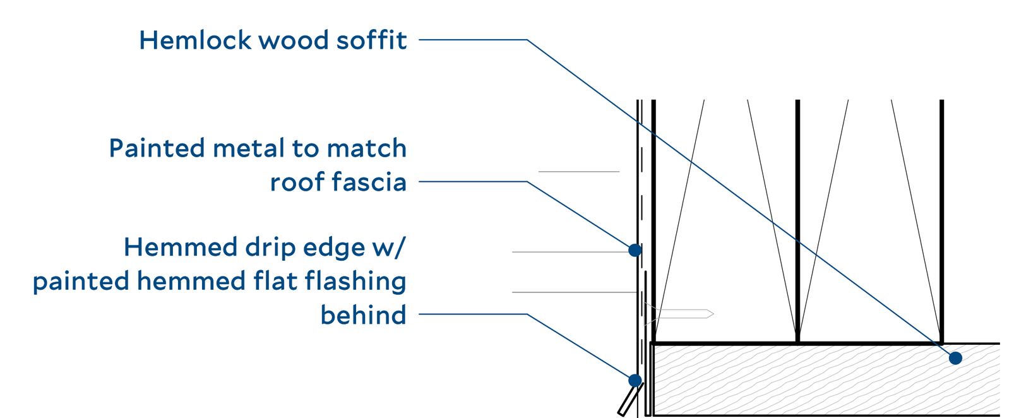
7 Canopy Detail
3" = 1'-0"



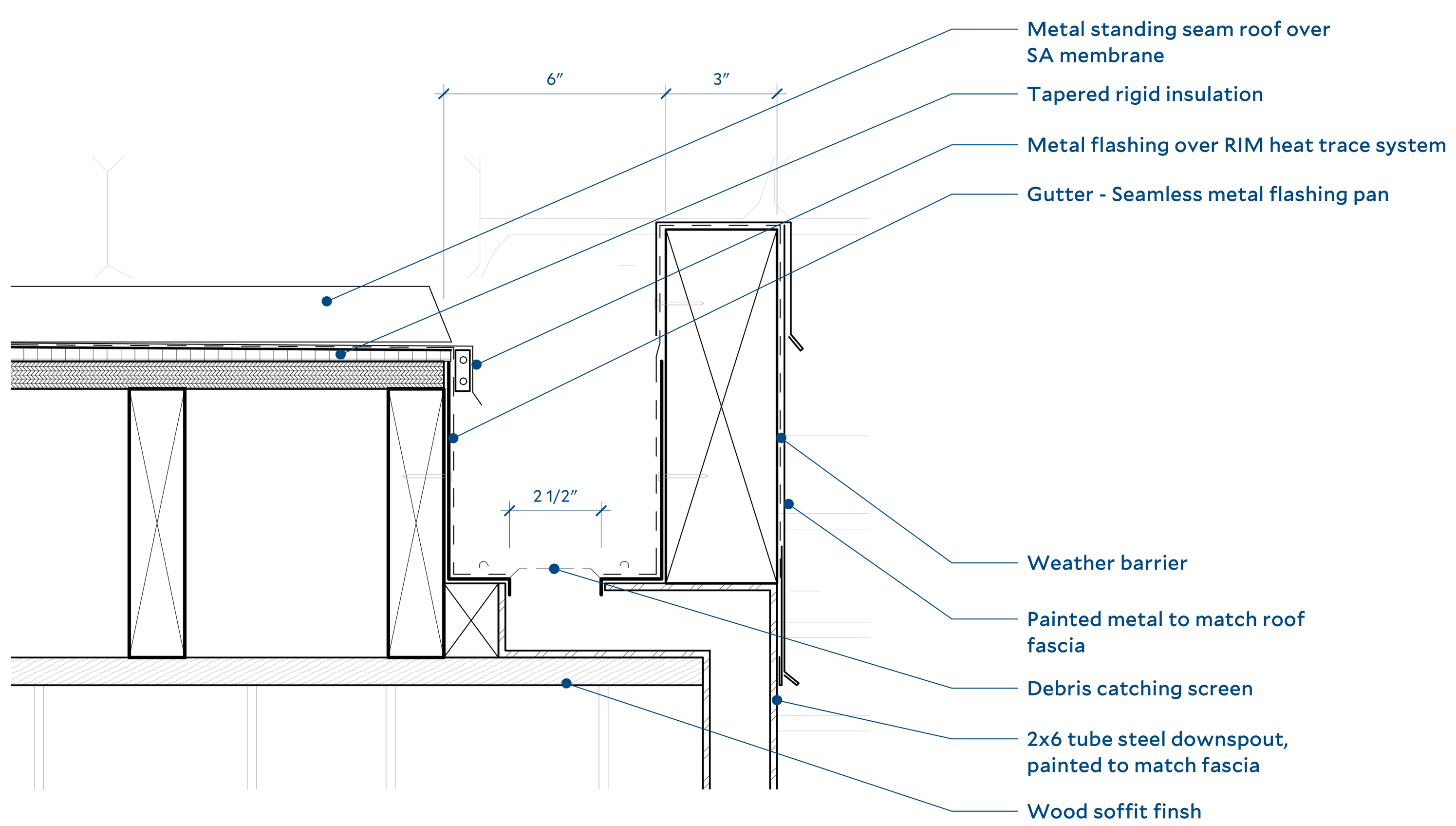
4 Canopy Detail - Gutter Section
3" = 1'-0"



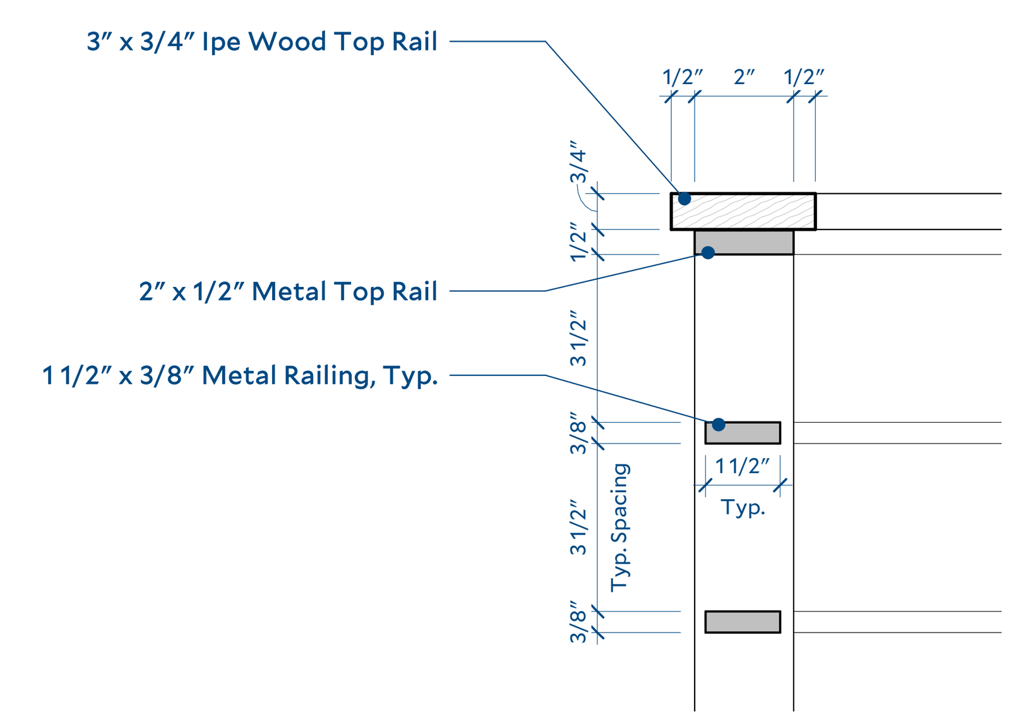
Guardrail Posts - Plan
3" = 1'-0"



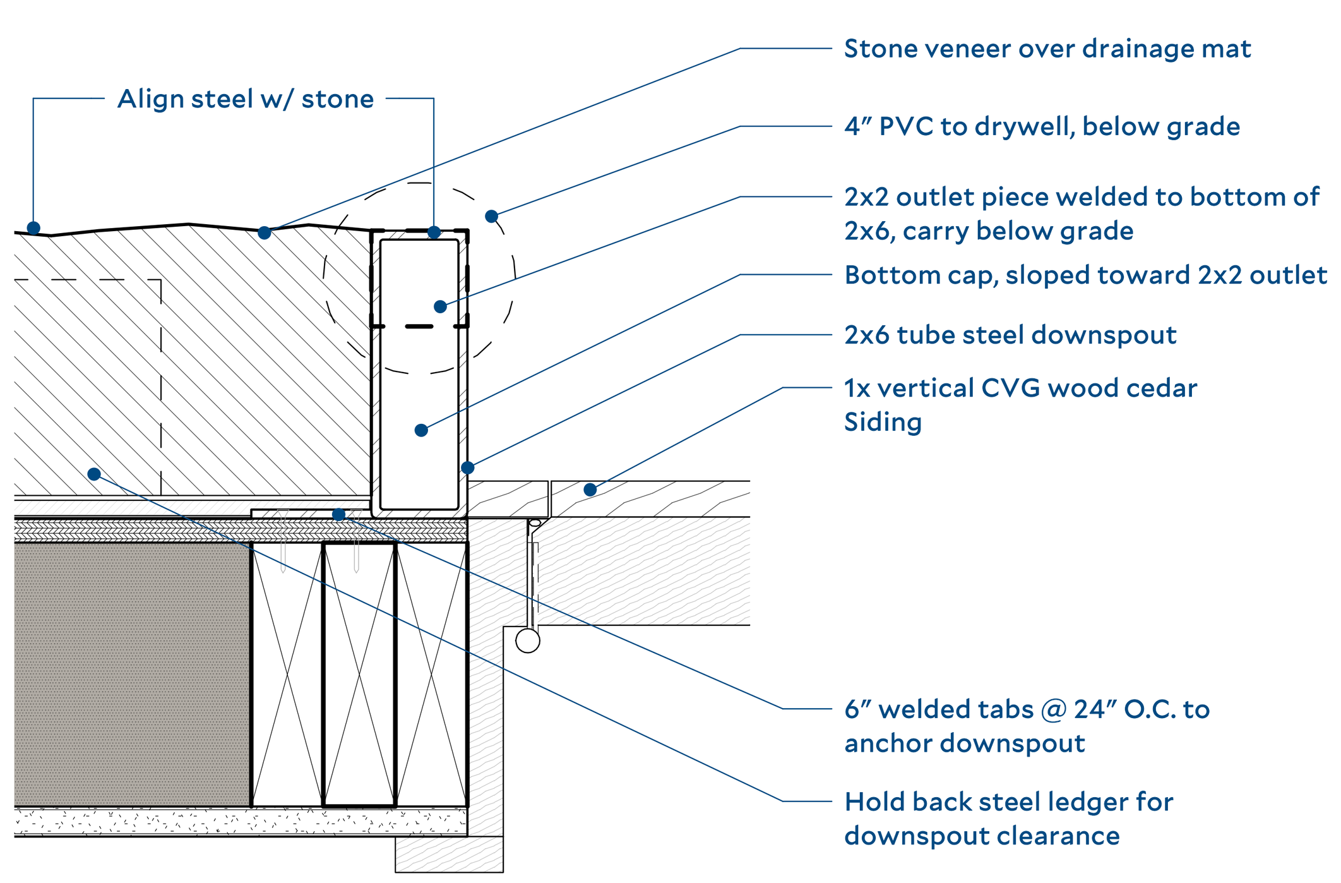
8 Detail - Canopy Drip Edge
6" = 1'-0"



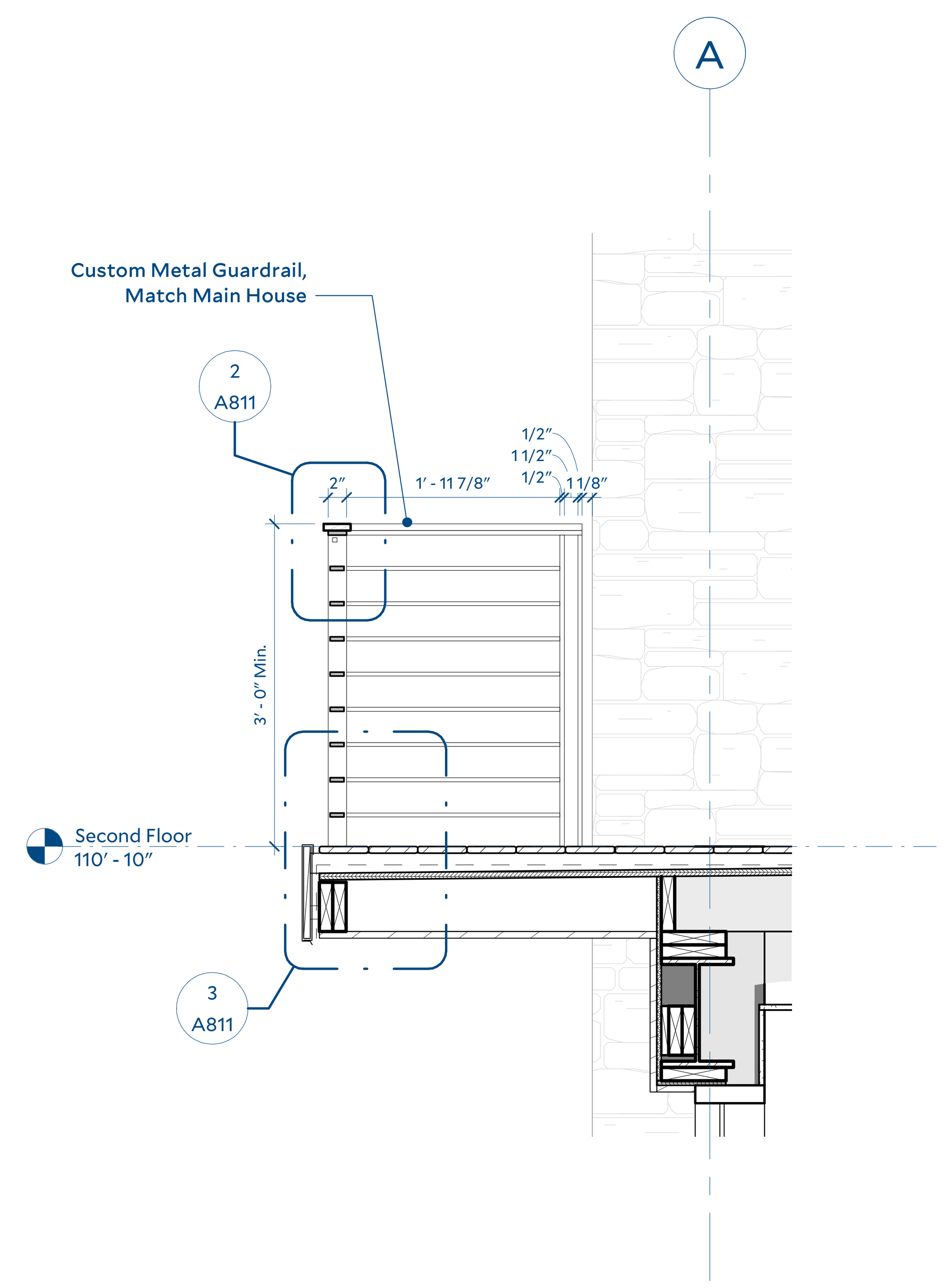
5 Gutter Section - Downspout
3" = 1'-0"



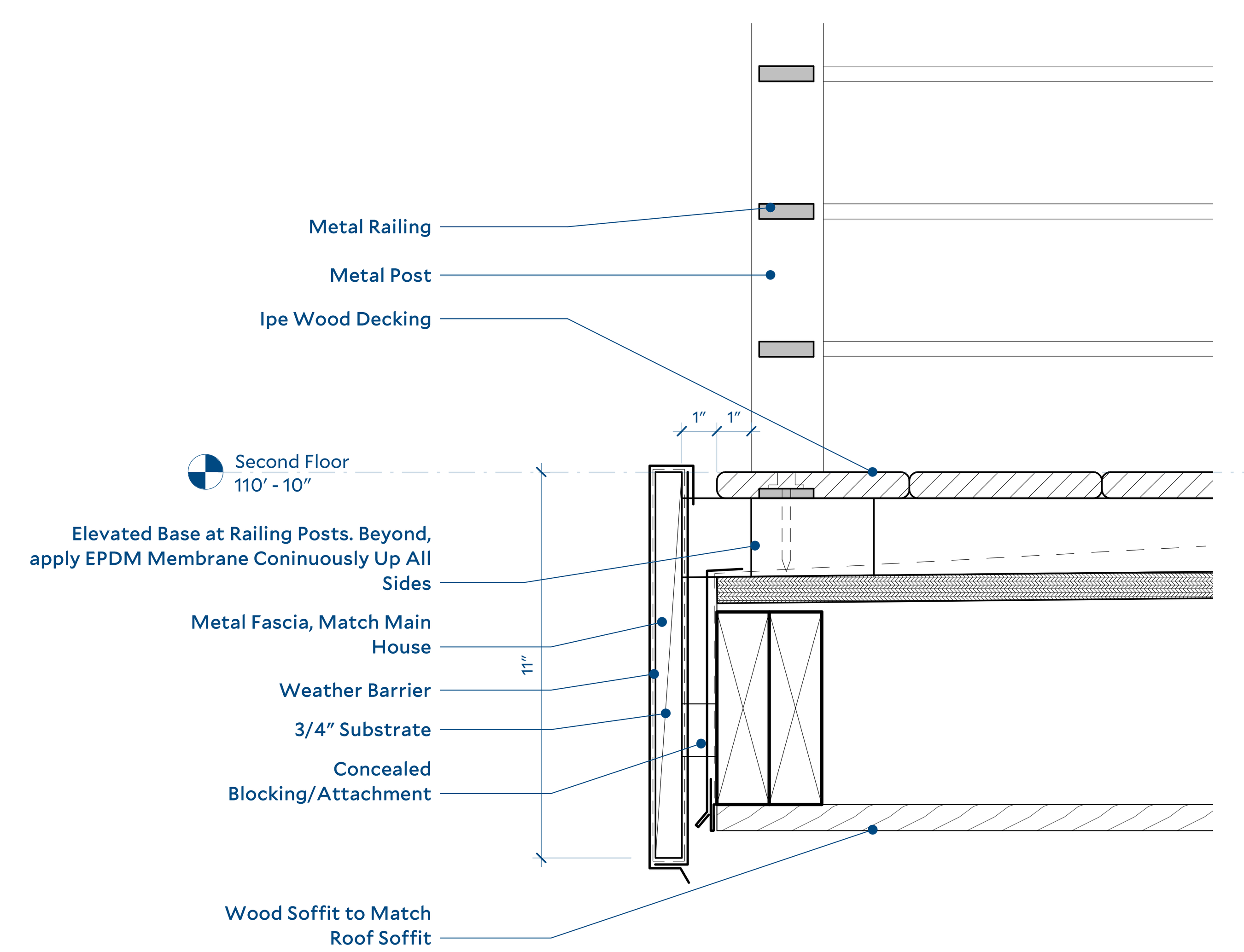
2 Detail - Balcony Railing
3" = 1'-0"



6 Gutter Detail - Plan
3" = 1'-0"



1 Balcony Guardrail Detail
3/4" = 1'-0"



3 Detail - Balcony Railing Base
3" = 1'-0"

PROSPECT
STUDIO
4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

16 February 22

Revisions

No.	Issued For	Issue Date
5	100% CONSTRUCTION DOCUMENTS	16 February 22

Casita Magee

Teton Village, Wy

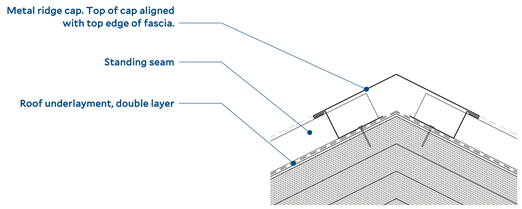
Project No.: 2022.00 Drawn: ZPN
Scale: As indicated Checked: MAT

Sheet
Detail

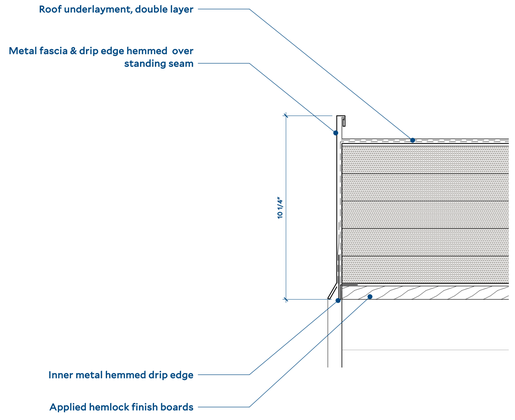
5

Sheet
A811

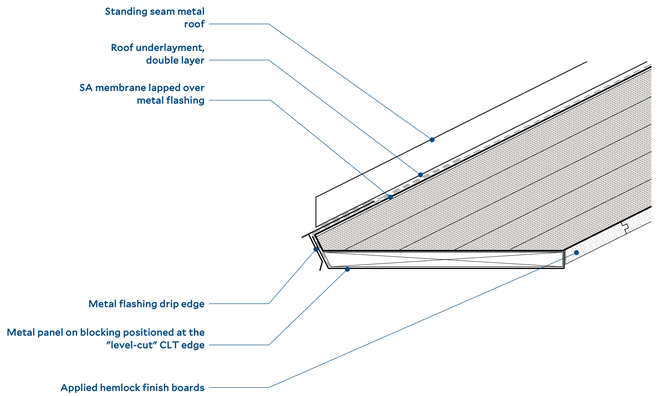
2/16/2022 2:32:16 PM



3 Detail - Roof Ridge
3″ = 1′-0″



1 Detail - CLT Roof Fascia
3″ = 1′-0″



2 Detail - CLT Level Edge
3″ = 1′-0″

2/16/2022 2:32:17 PM

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

LICENSED ARCHITECT MATTHEW A. THERIAULT C-3167 STATE OF WYOMING

16 February 22

Revisions

No.	Issued For	Issue Date
5	100% CONSTRUCTION DOCUMENTS	16 February 22

Casita Magee

Teton Village, Wy

Project No. : 2022.00 — Drawn: ZPN
Scale: 3″ = 1′-0″ — Checked: MAT

Sheet
Detail

Sheet
A812

WINDOW SCHEDULE

Mark	Operation	Dimensions		R.O. Head Height	Rough Width	Glazing	Comments	Safety Glazing	Egress	Details	
		Height	Width							Jamb	Head & Sill
100	Fixed	8' - 10 3/8"	1' - 11"	8' - 10 3/4"	1' - 11 1/2"		No window covering	Yes		05/A901	01/A901
101	Fixed	8' - 10 3/8"	1' - 11"	8' - 10 3/4"	1' - 11 1/2"		No window covering	Yes		05/A901	03/A901
102	Awning	4' - 3 7/16"	3' - 7 7/8"	7' - 9"	3' - 8 5/8"		Motorized shade in ceiling pocket		Yes	04/A901	01/A901
103	CSMT	6' - 2 1/4"	2' - 0"	8' - 3 1/4"			Removable head jamb section for concealed shade	Yes		03/A902	01/A902
104	Fixed	2' - 0"	11' - 8 1/2"	8' - 3 1/4"	11' - 9 1/4"		Removable head jamb section for concealed shade			03/A902	01/A902
105	CSMT	6' - 2 1/4"	2' - 0"	8' - 3 1/4"			Removable head jamb section for concealed shade	Yes		03/A902	01/A902
106	CSMT	2' - 4"	2' - 3"	6' - 10 3/8"	2' - 3 3/4"		No window covering			06/A903	05/A903
107	CSMT	2' - 4"	2' - 3"	6' - 10 3/8"	2' - 3 3/4"		No window covering			03/A903	02/A903
108	CSMT	2' - 4"	2' - 3"	6' - 10 3/8"	2' - 3 3/4"		No window covering			06/A903	05/A903
109	CSMT	2' - 4"	2' - 3"	6' - 10 3/8"	2' - 3 3/4"		No window covering			06/A903	05/A903
110	Fixed	2' - 0"	11' - 8 1/2"	8' - 7 3/4"	11' - 9 1/4"		No window covering			04/A903	01/A903
200	Fixed	8' - 0 1/8"	7' - 1"	7' - 11 3/4"	7' - 1 1/2"		Motorized shade in ceiling pocket	Yes		04/A904	02/A904
201	Awning	4' - 3 7/16"	3' - 7 7/8"	6' - 10 3/4"	3' - 8 5/8"		Motorized shade in ceiling pocket		Yes	04/A901	01/A901
202	FIX/ CSMT	5' - 2"	11' - 8 1/2"	7' - 6 3/8"	11' - 9 1/4"		Removable head jamb section for concealed shade			03/A904	01/A904
203	CSMT	2' - 4"	2' - 3"	6' - 11 3/8"	2' - 3 3/4"		No window covering			06/A903	05/A903
204	CSMT	2' - 4"	2' - 3"	6' - 11 3/8"	2' - 3 3/4"		No window covering			04/A905	02/A905
205	Lift & Slide	4' - 0 1/4"	20' - 1 1/4"	7' - 0 1/8"	20' - 2"		Build as multi-panel lift and slide door. Motorized shade in ceiling pocekt. No screen			03/A905	01/A905

DOOR SCHEDULE

Mark	Operation	Dimensions		Function	Comments
		Height	Width		
100	Swing	8' - 1"	2' - 8"	Exterior	Solid core. Clad to match wall finish at exterior with concealed hinges
101	Overhead	8' - 0"	9' - 0"	Exterior	Clad to match wall finish at exterior
102	Swing	8' - 9 7/16"	3' - 1 3/4"	Interior	Full-lite to match window package
103	Swing	8' - 1"	2' - 8"	Exterior	Typ. interior door to match main house
104	Swing	8' - 1"	2' - 8"	Exterior	Typ. interior door to match main house
105	Swing	4' - 0"	3' - 0"	Interior	Typ. interior door to match main house
106	Swing	7' - 0"	3' - 0"	Interior	Typ. interior door to match main house
200	Pocket	7' - 8 7/16"	2' - 8"	Interior	Typ. interior door to match main house. Head trim to align with window 200
201	Swing	7' - 8 7/16"	2' - 8"	Interior	Typ. interior door to match main house. Head trim to align with window 200
202	Swing	7' - 8 7/16"	2' - 8"	Interior	Typ. interior door to match main house. Head trim to align with window 200
204	Lift & Slide	8' - 0"	9' - 7 1/4"	Exterior	Multi-panel lift and slide door. No screen

Exterior Door and Window Notes

1. Typical window is European-style construction with American (outswing) operation.
2. Wood species: Sungkai
3. Cladding: Aluminum in RAL color to match existing house
4. Average fenestration u-value to be 0.25 or better.
5. Hardware to match existing house.
6. Where required by AHJ, glazing shall be tempered.
7. Match finish with existing main house.
8. Match glazing with existing main house.
9. Operation indicators on drawings follow American conventions.
10. Send access Sungkai for updated trim details
11. Wall area above grade is **2,216 sf**. Total fenestration area is **19%**

Interior Door Notes

1. Typical interior door to match main house design and construction.

5

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

LICENSED ARCHITECT MATTHEW A. THOMAS C-3167 STATE OF WYOMING

16 February 22

Revisions

No.	Issued For	Issue Date
1	SCHEMATIC DESIGN	13 Jan 21
2	PERMIT SET	8 April 21
3	Permit Revision	7 May 21
4	CORE & SHELL	3 September 21
5	100% CONSTRUCTION DOCUMENTS	16 February 22

Casita Magee

Teton Village, Wy

Project No. : 2022.00 Drawn: ZPN

Scale: Checked: MAT

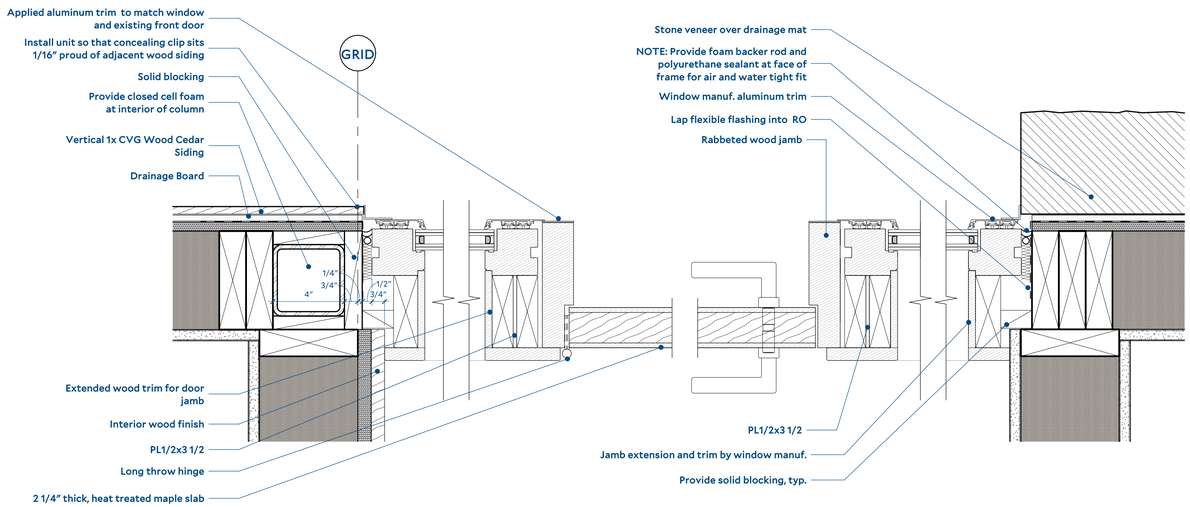
Sheet

Schedules

Sheet

A900

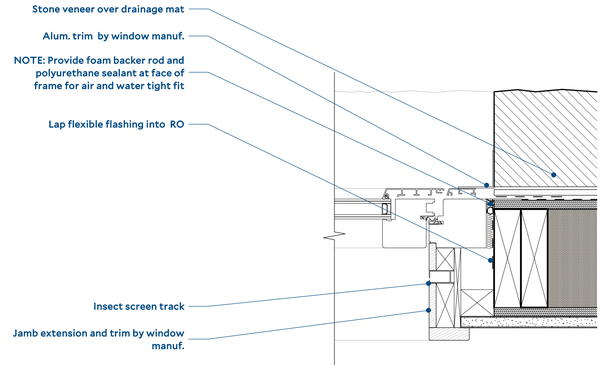
2/16/2022 2:32:17 PM



Exterior In-swing Jamb Details @ Door 102 and Window 100/101

Scale: 3" = 1'-0"

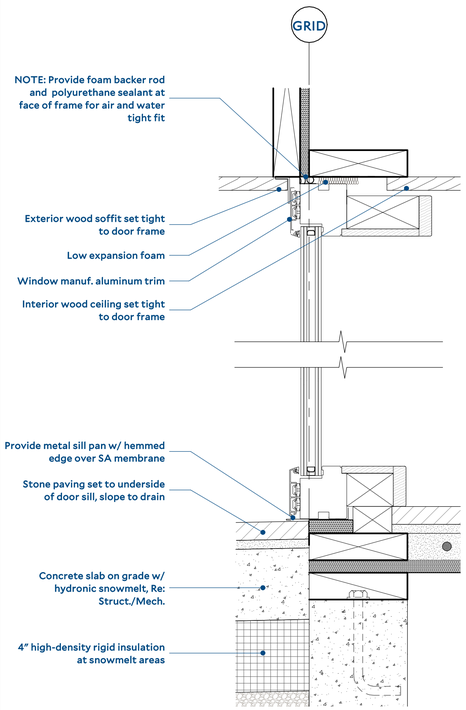
05



Jamb Detail @ Window 102 & 201

Scale: 3" = 1'-0"

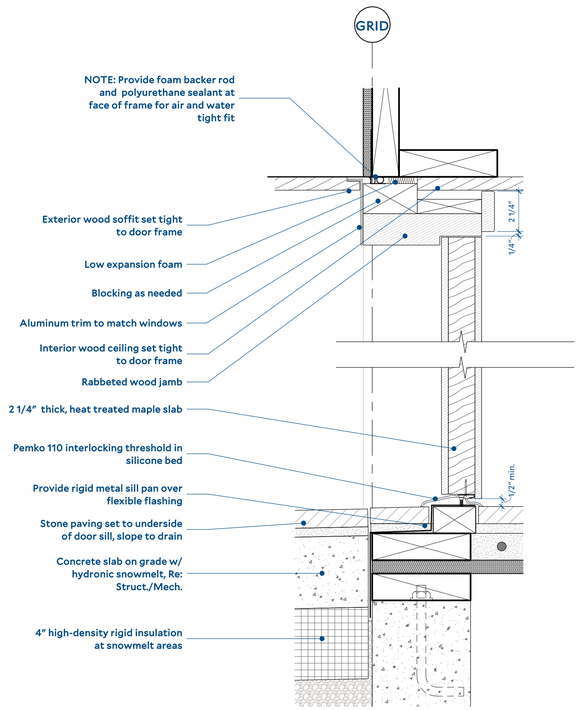
04



Sill/head Details @ Windows 100 & 101

Scale: 3" = 1'-0"

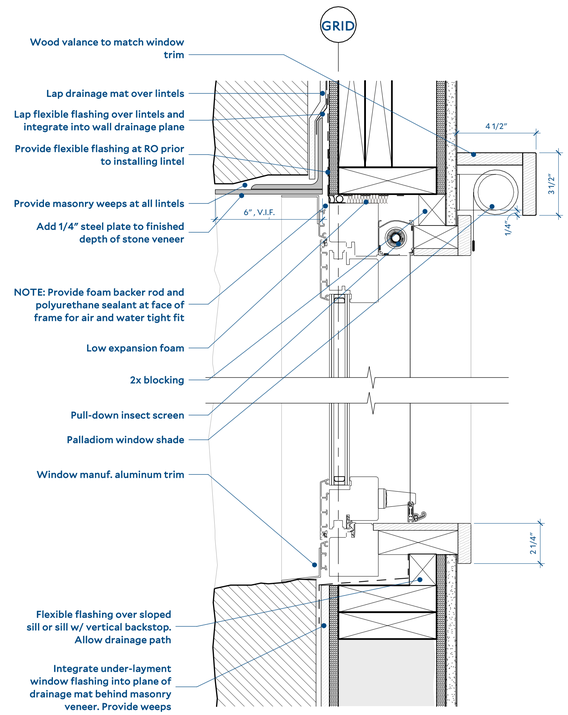
03



Sill/head Details @ Entry Door 102

Scale: 3" = 1'-0"

02



Sill/Head Details @ Window 102 & 201

Scale: 3" = 1'-0"

01

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

LICENSED ARCHITECT MATTHEW A. THOMAS C-3167 STATE OF WYOMING

16 February 22

Revisions

No.	Issued For	Issue Date
5	100% CONSTRUCTION DOCUMENTS	16 February 22

Casita Magee

Teton Village, Wy

Project No.: 2022.00 — Drawn: ZPN

Scale: 3" = 1'-0" — Checked: MAT

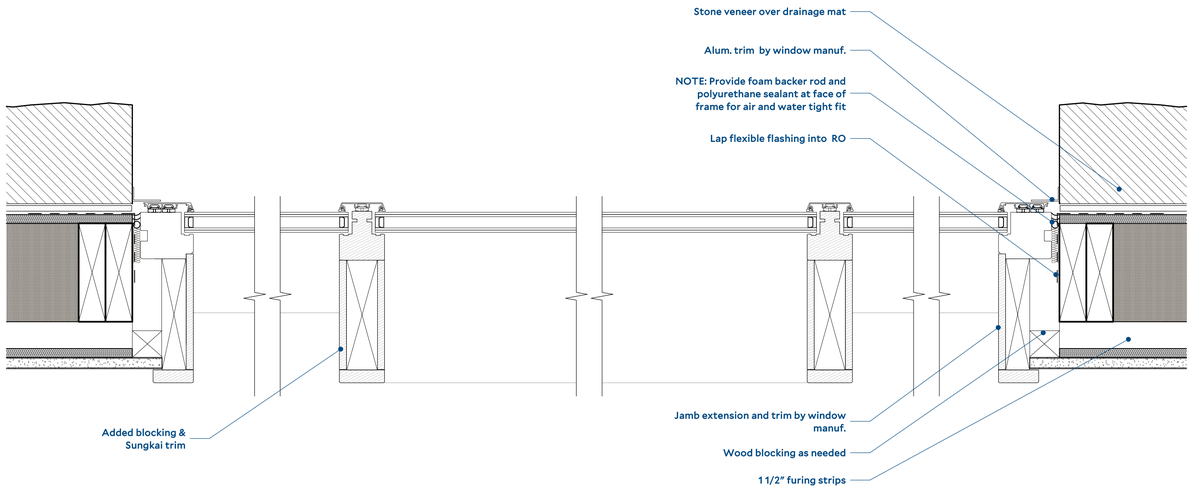
Sheet

Window Details

Sheet

5 A901

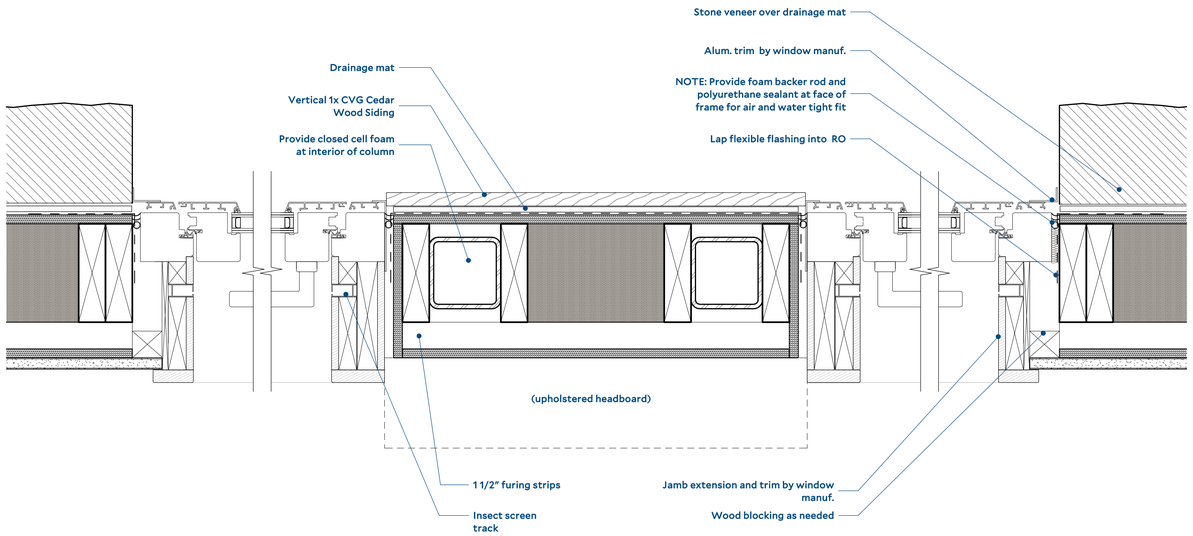
2/16/2022 2:32:18 PM



Jamb Details @ Window 103, 104, 105

Scale: 3" = 1'-0"

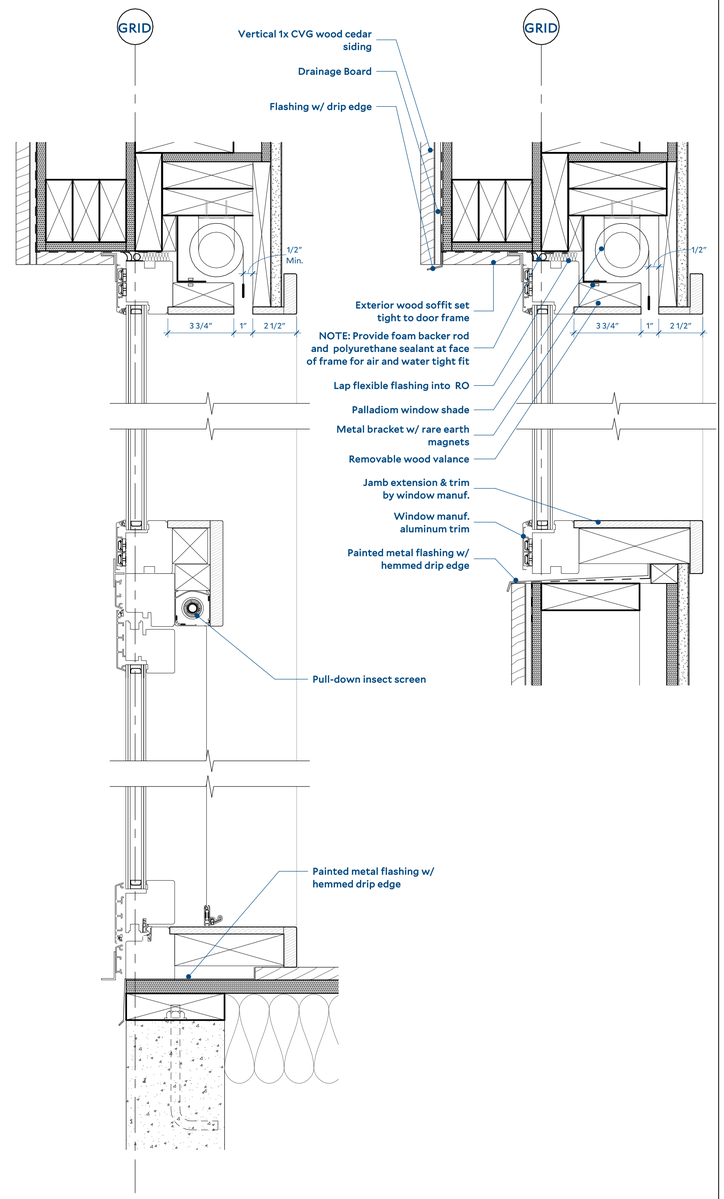
03



Jamb Details @ Window 103, 104, 105

Scale: 3" = 1'-0"

02



Sill/Head Details @ Windows 103, 104, 105

Scale: 3" = 1'-0"

01

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

LICENSED ARCHITECT MATTHEW A. THOMAS C-3167 STATE OF WYOMING

16 February 22

Revisions

No.	Issued For	Issue Date
5	100% CONSTRUCTION DOCUMENTS	16 February 22

Casita Magee

Teton Village, Wy

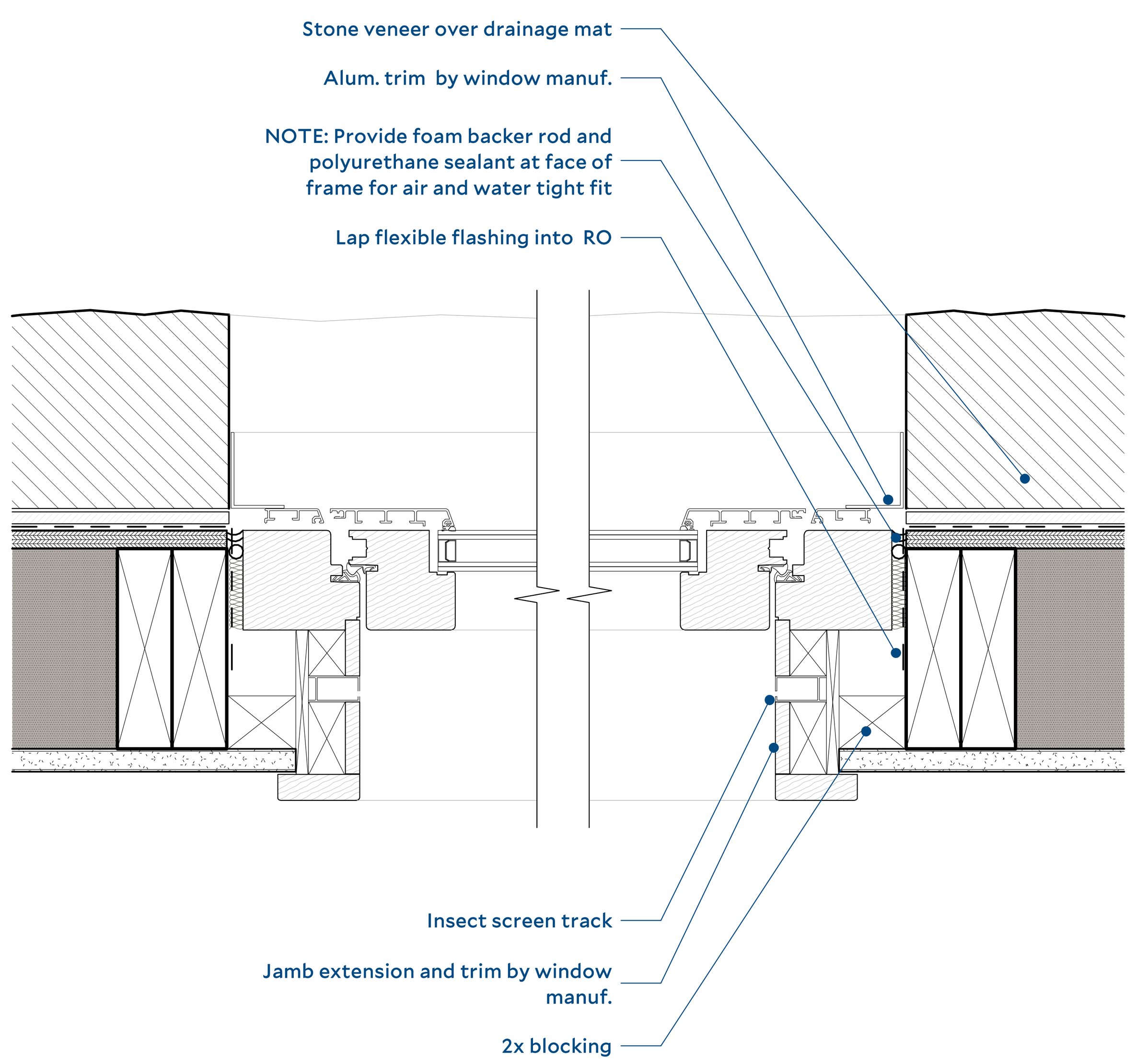
Project No. : 2022.00 | Drawn: ZPN
Scale: 3" = 1'-0" | Checked: MAT

Sheet
Window Details

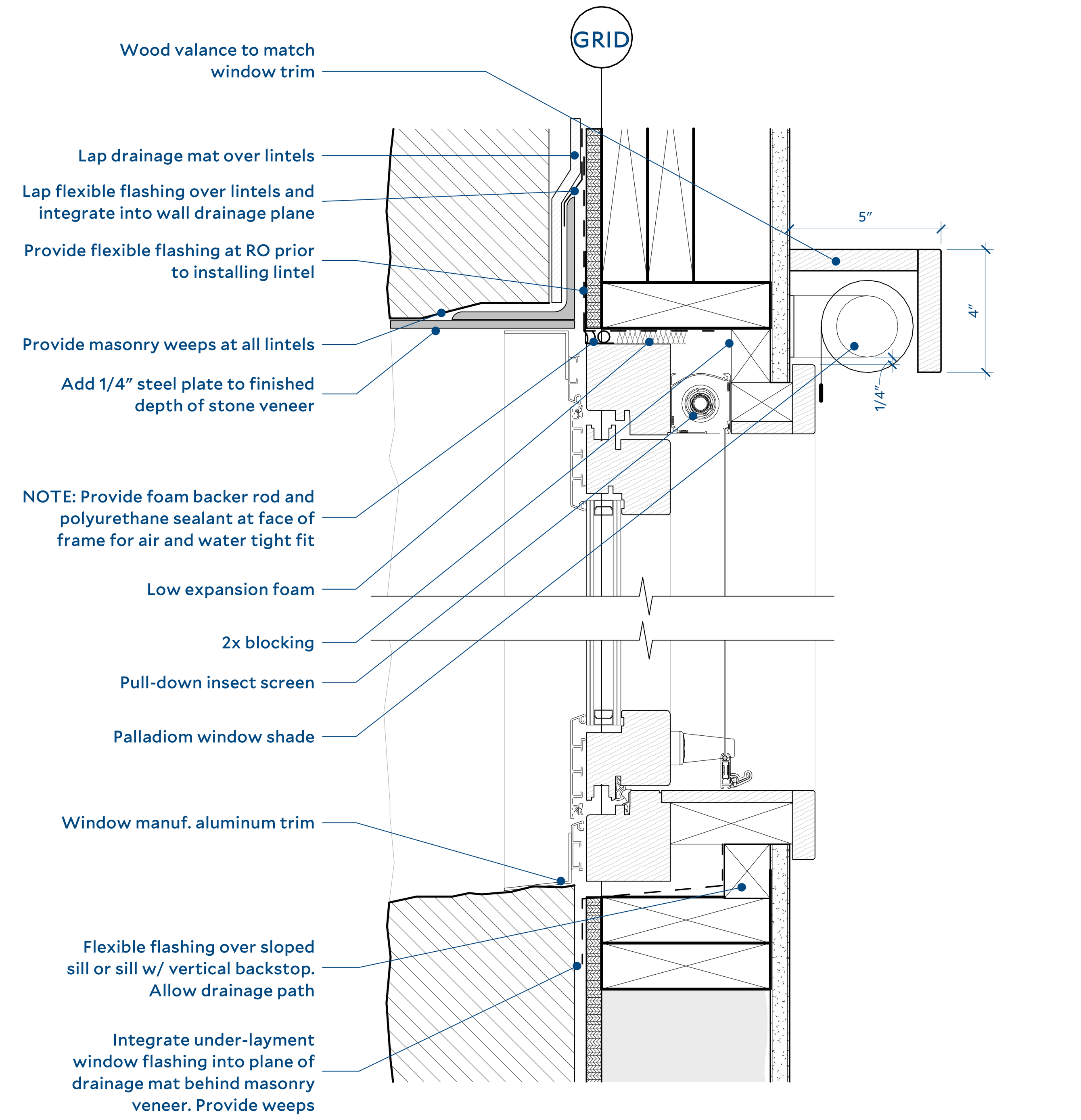
5

Sheet
A902

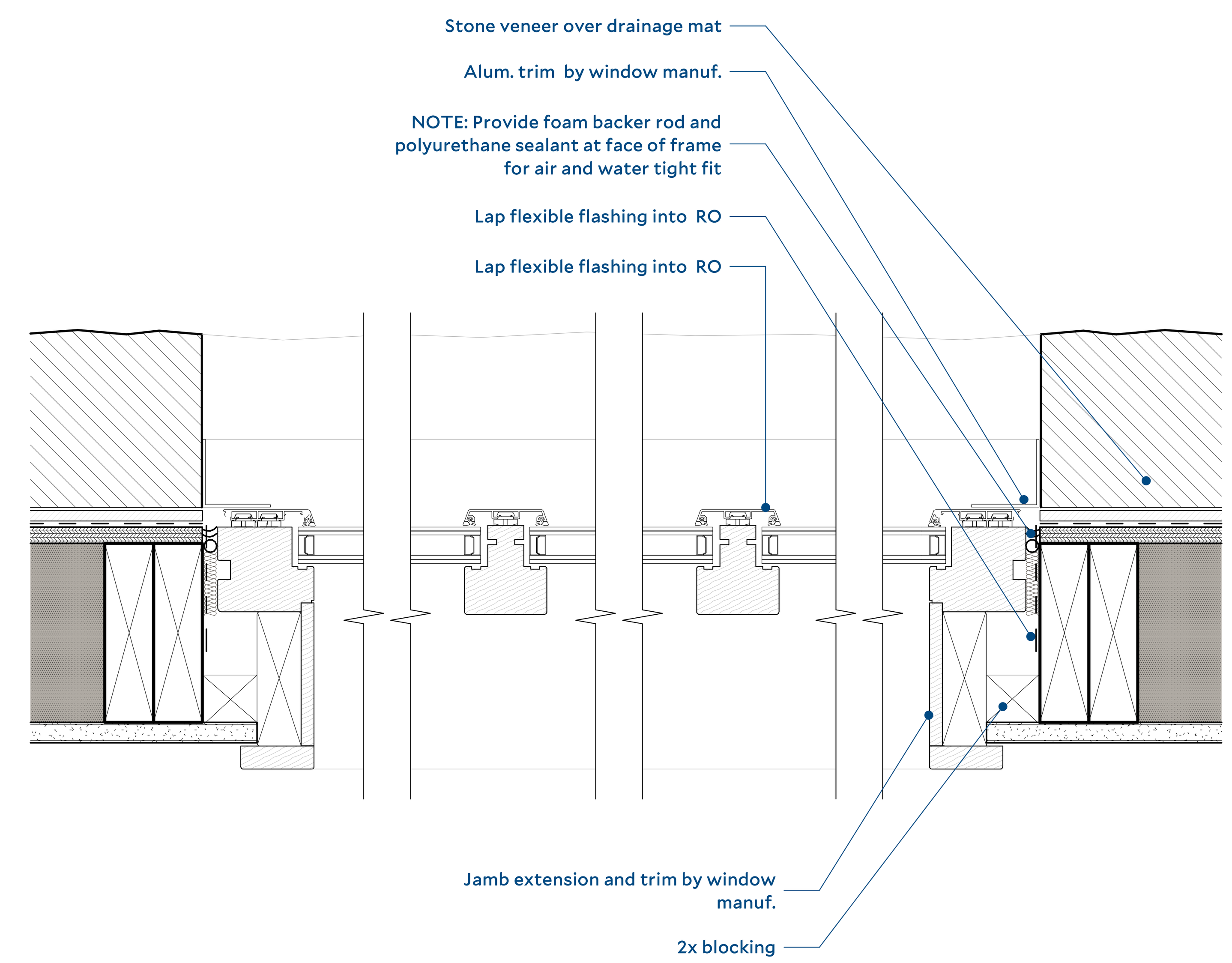
2/16/2022 2:32:19 PM



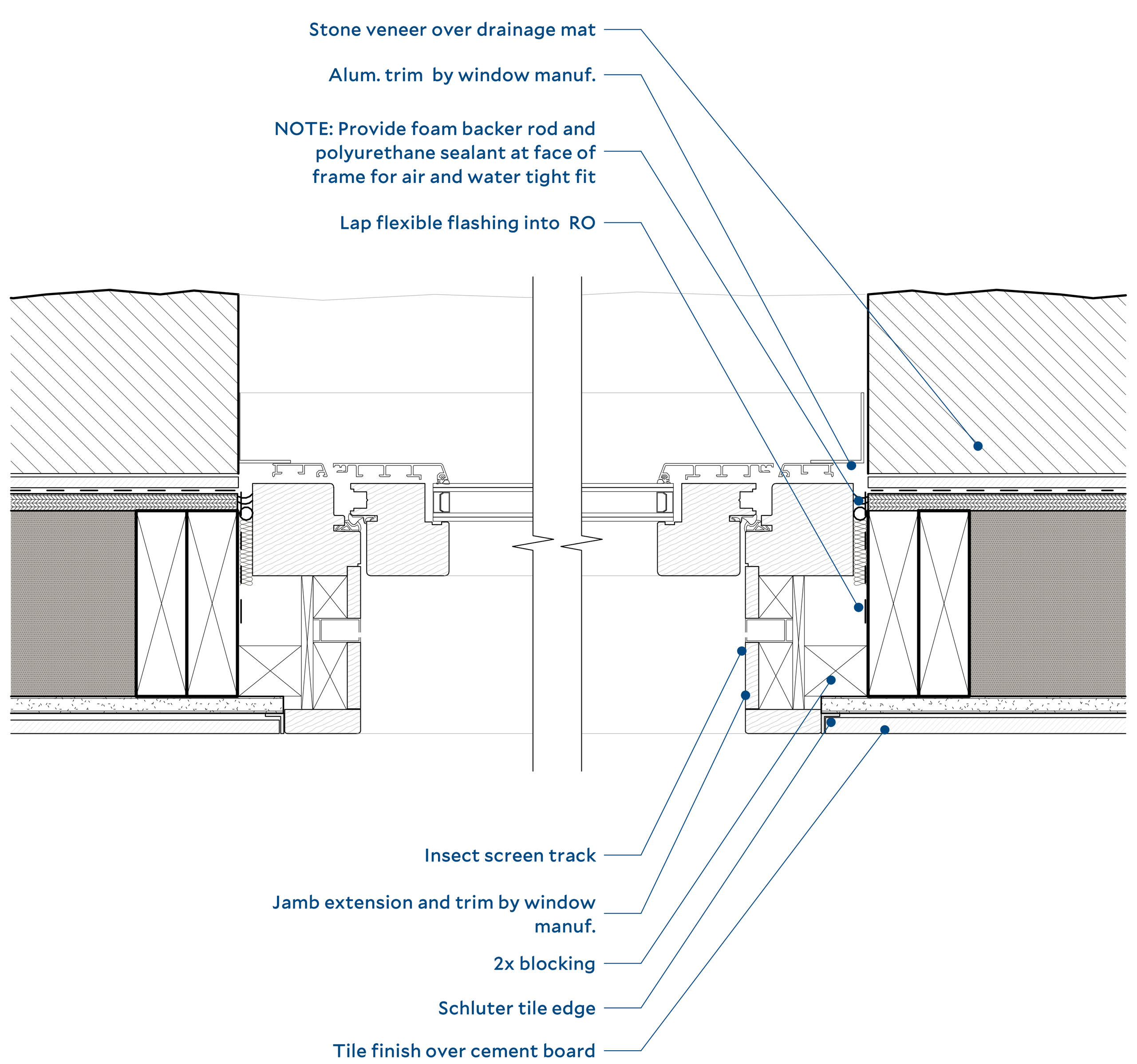
Jamb Details @ Window 106, 108, 109, 203
Scale: 3" = 1'-0"
06



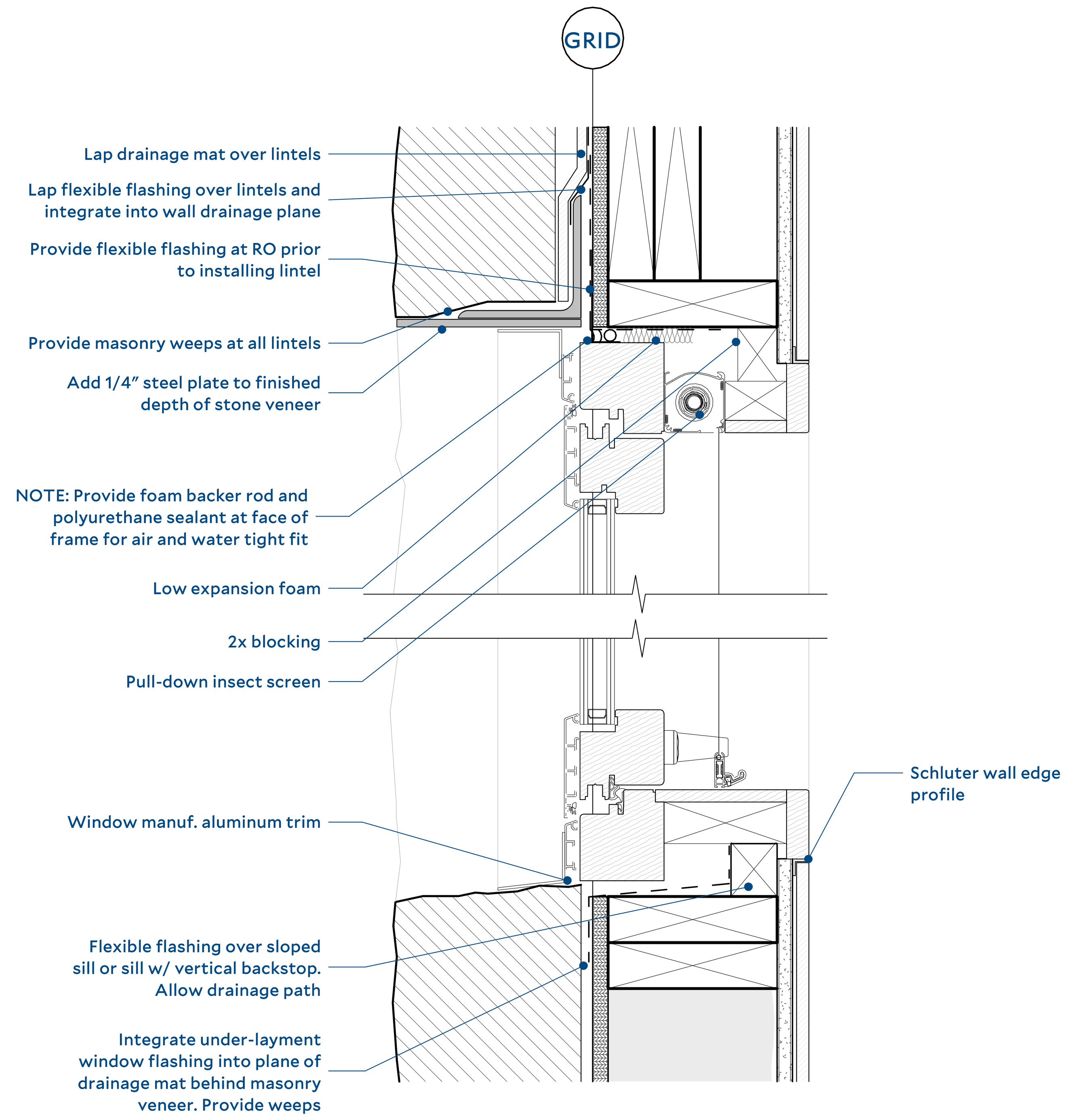
Sill/Head Details @ Window 106, 108, 109, 203
Scale: 3" = 1'-0"
05



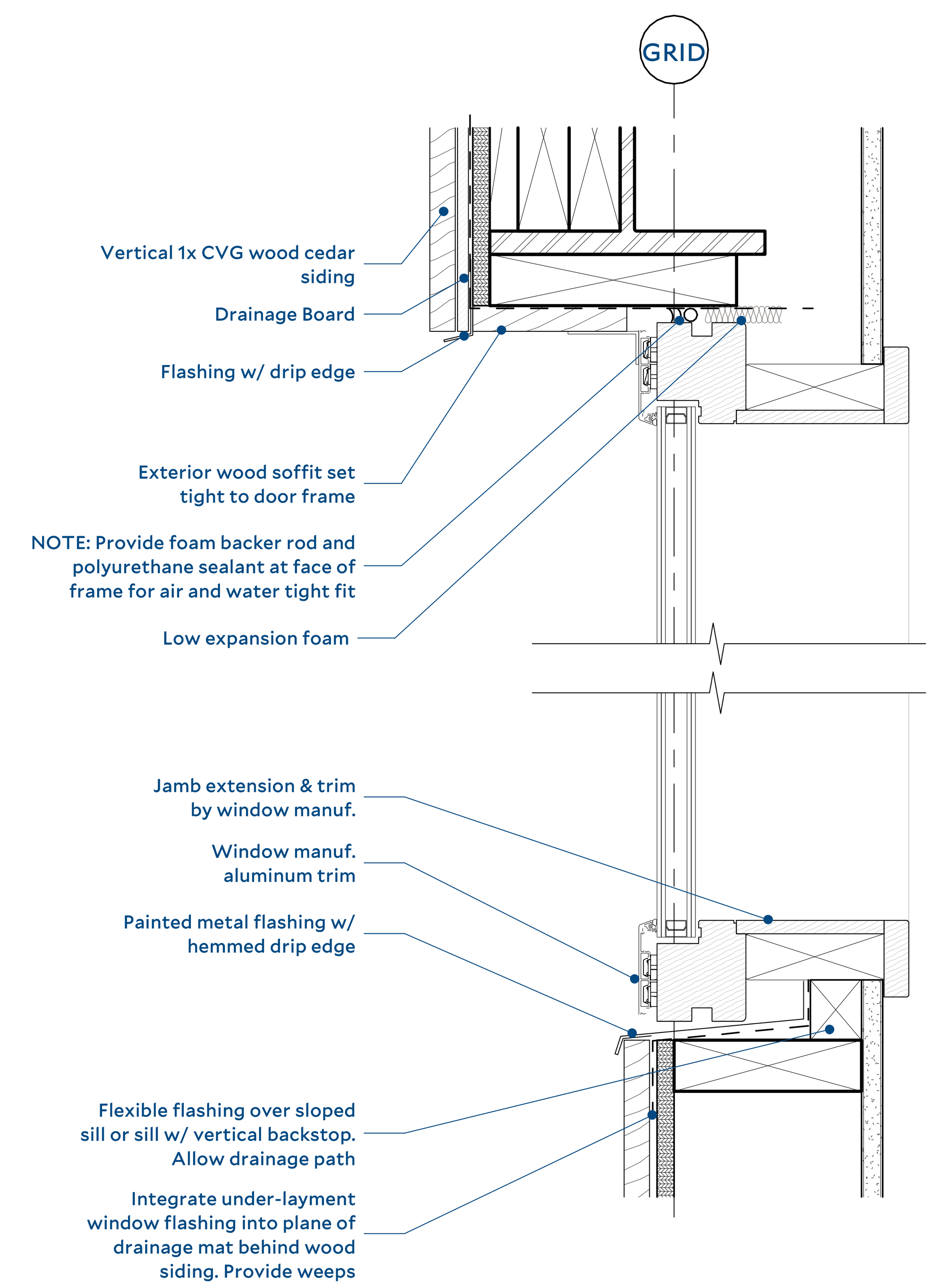
Jamb Details @ Window 110
Scale: 3" = 1'-0"
04



Jamb Details Details @ Window 107 & 204
Scale: 3" = 1'-0"
03



Head/Sill Details @ Windows 107 & 204
Scale: 3" = 1'-0"
02



Sill/Head Details @ Window 110
Scale: 3" = 1'-0"
01

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

LICENSED ARCHITECT MATTHEW A. THACKRAY C-3367 STATE OF WYOMING

16 February 22

Revisions

No.	Issued For	Issue Date
5	100% CONSTRUCTION DOCUMENTS	16 February 22

Casita Magee

Teton Village, Wy

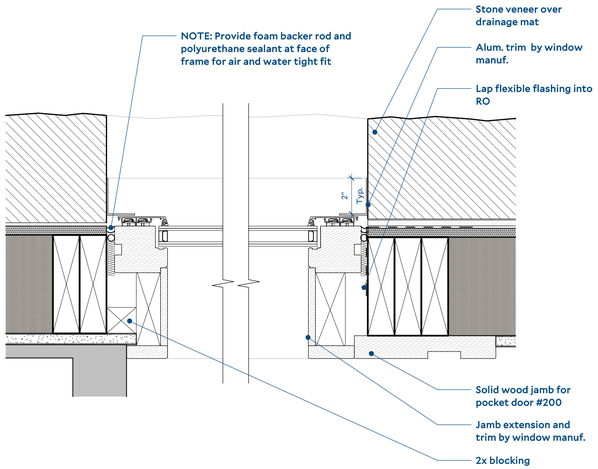
Project No.: 2022.00 | Drawn: ZPN
Scale: 3" = 1'-0" | Checked: MAT

Sheet
Window Details

5

Sheet
A903

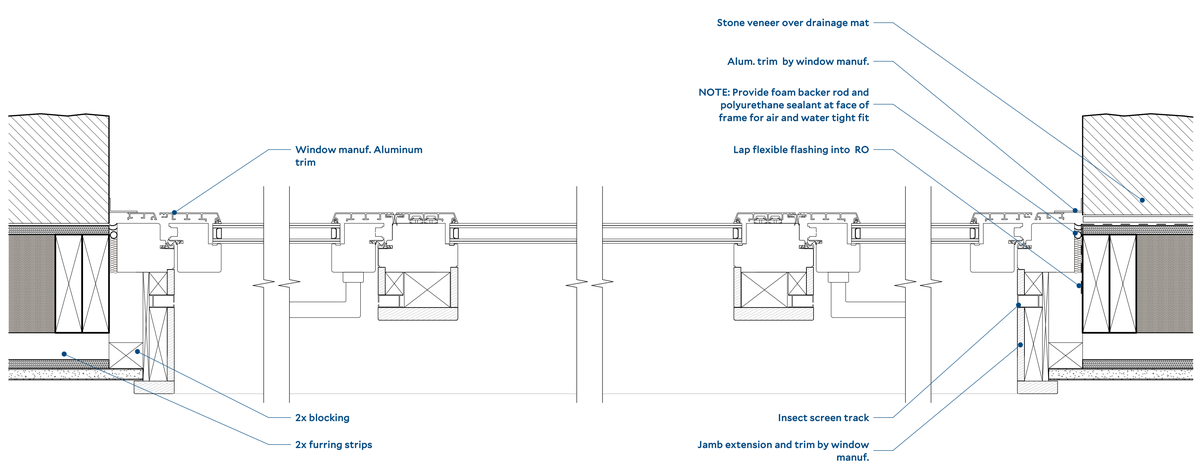
2/16/2022 2:32:20 PM



Jamb Detail @ Window 200

Scale: 3″ = 1′-0″

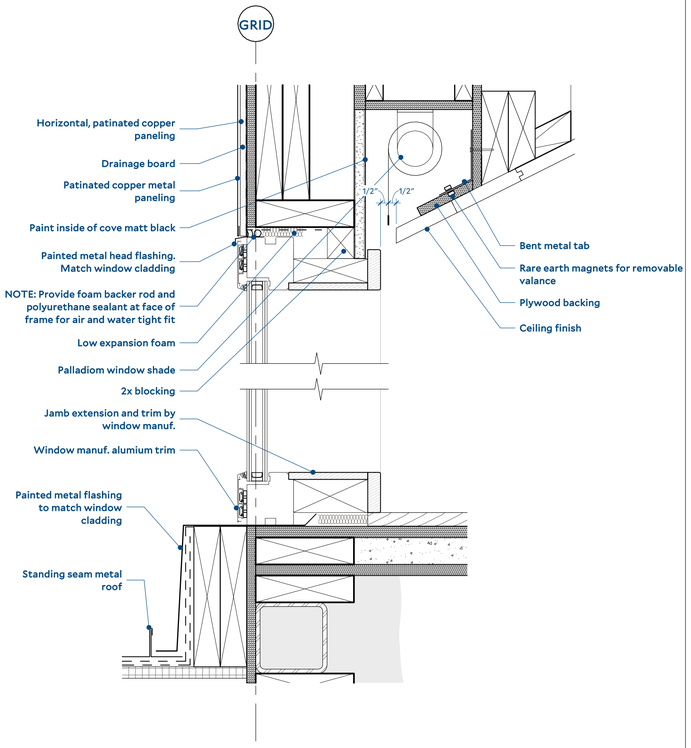
04



Jamb Details @ Window 202

Scale: 3″ = 1′-0″

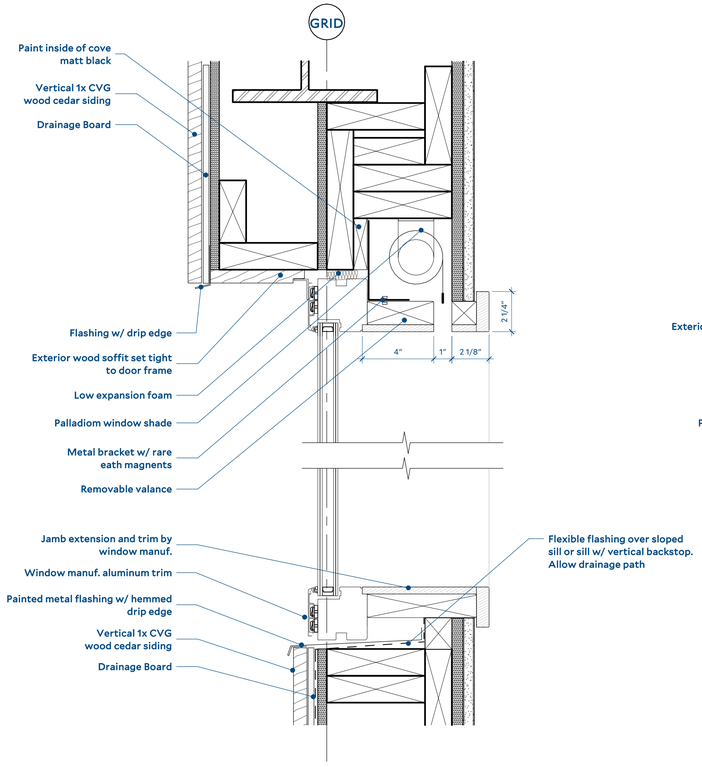
03

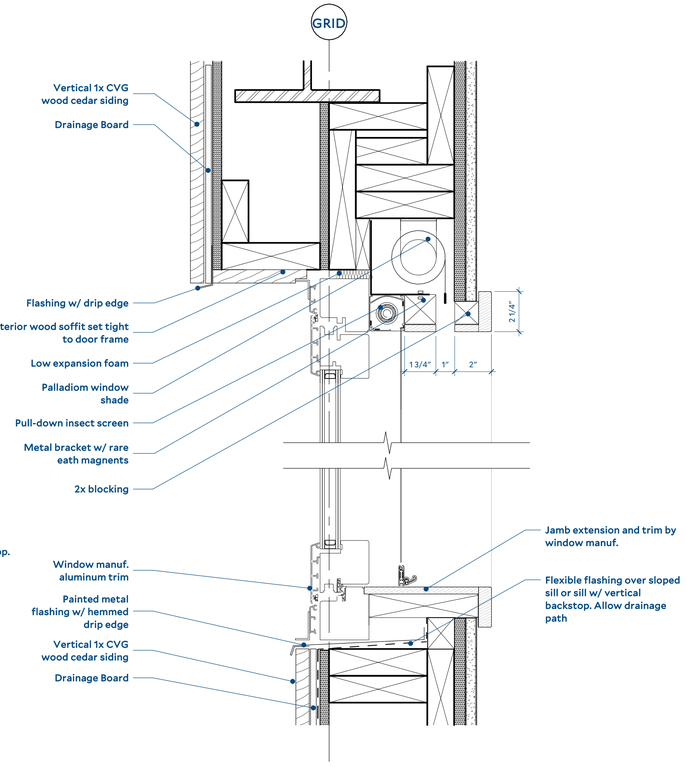


Window Head/Sill Details @ Window 200

Scale: 3″ = 1′-0″

02





Sill/head Details @ Window 202

Scale: 3″ = 1′-0″

01

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

LICENSED ARCHITECT MATTHEW A. THOMAS C-3167 STATE OF WYOMING

16 February 22

Revisions

No.	Issued For	Issue Date
5	100% CONSTRUCTION DOCUMENTS	16 February 22

Casita Magee

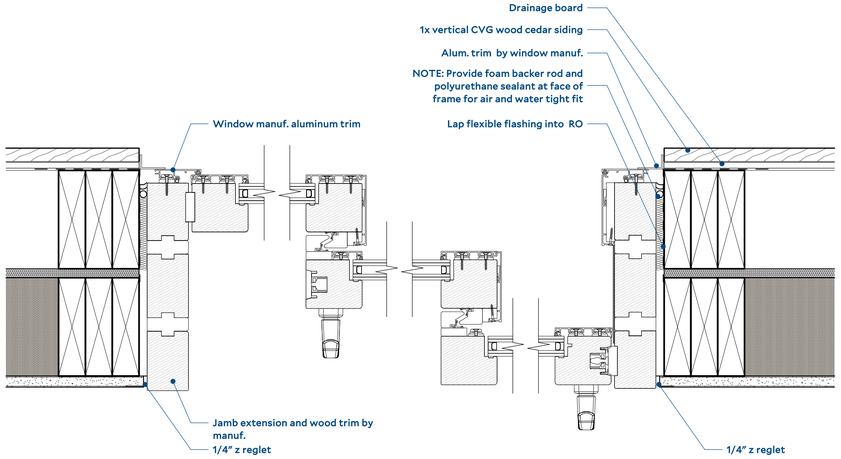
Teton Village, Wy

Project No. : 2022.00 — Drawn: ZPN
Scale: 3″ = 1′-0″ — Checked: MAT

Sheet
Window Details

Sheet
A904

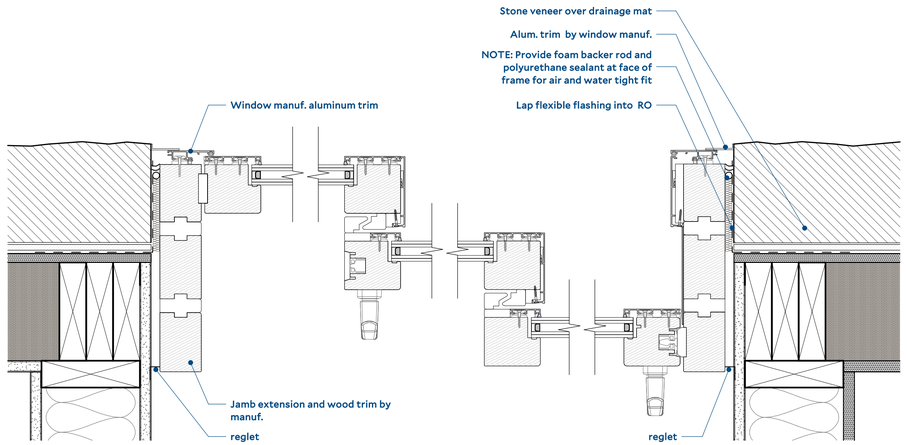
2/16/2022 2:32:21 PM



Jamb Details @ Door 204

Scale: 3" = 1'-0"

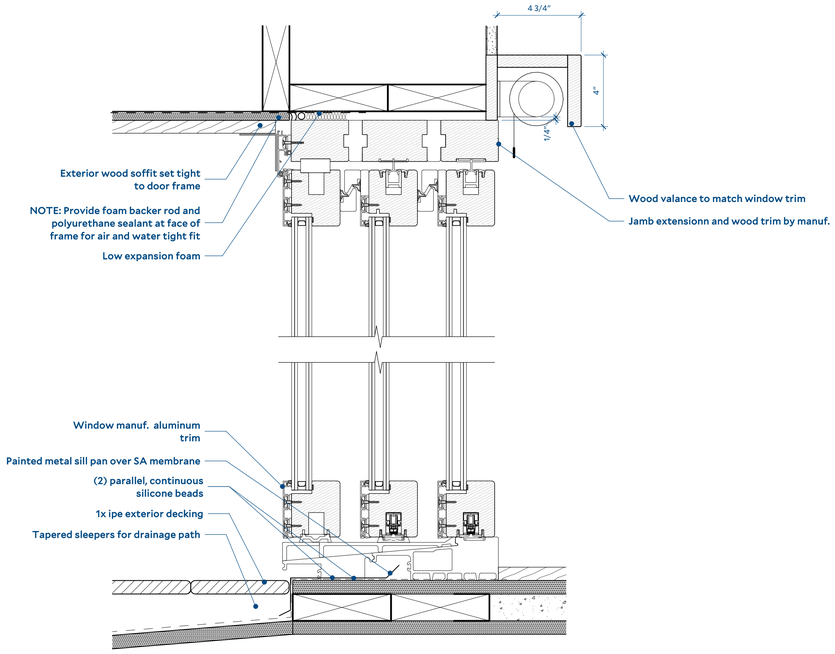
04



Jamb Details @ Lift & Slide Window 205

Scale: 3" = 1'-0"

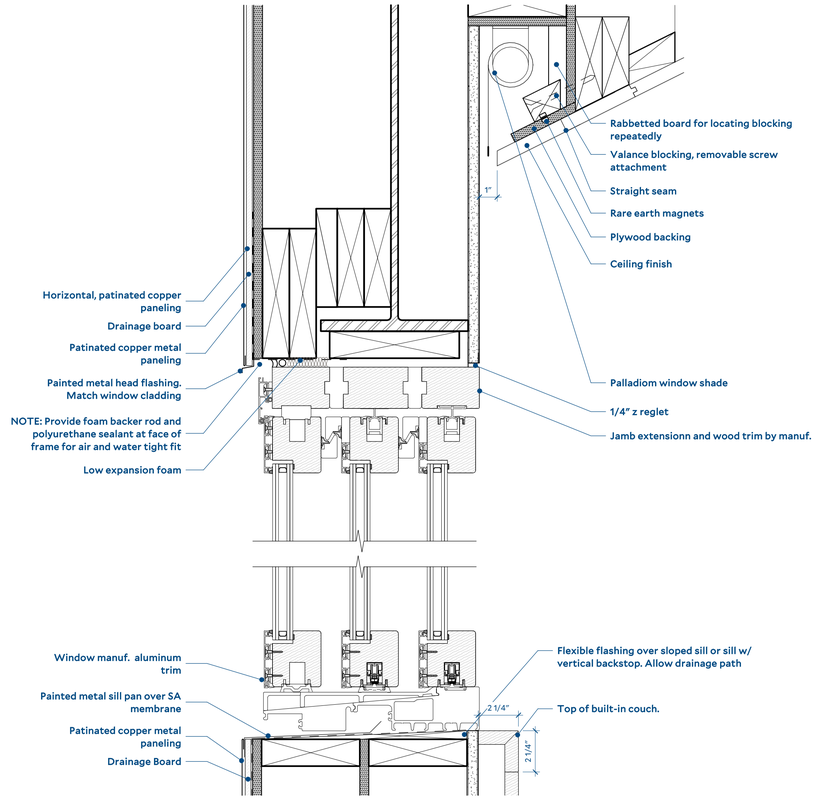
03



Sill/head Details @ Door 204

Scale: 3" = 1'-0"

02



Sill/head Details @ Window 205

Scale: 3" = 1'-0"

01

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

LICENSED ARCHITECT MATTHEW A. THOMAS C-3167 STATE OF WYOMING

16 February 22

Revisions

No.	Issued For	Issue Date
5	100% CONSTRUCTION DOCUMENTS	16 February 22

Casita Magee

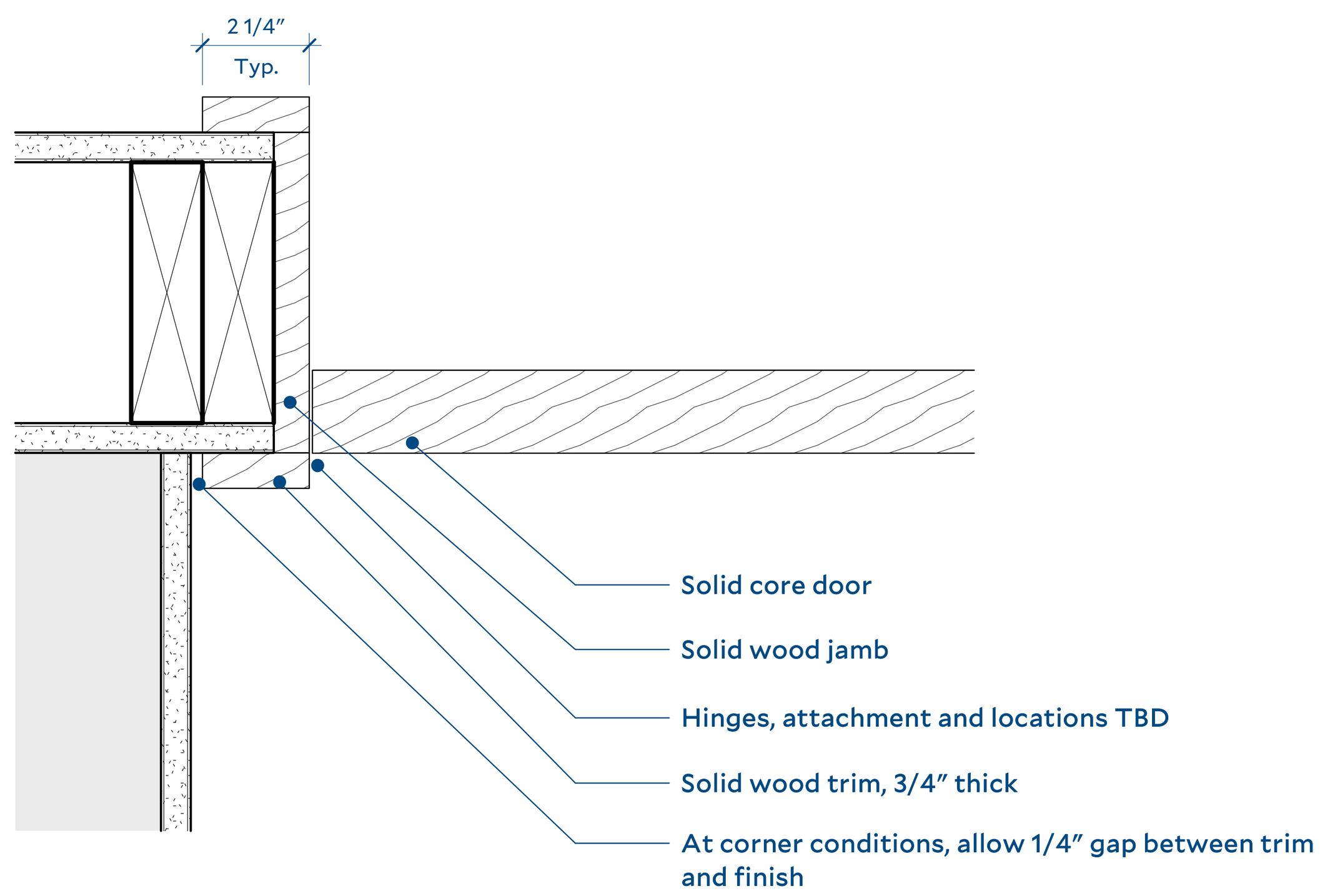
Teton Village, Wy

Project No. : 2022.00 — Drawn: ZPN
Scale: 3" = 1'-0" — Checked: MAT

Sheet
Window Details

Sheet
5
A905

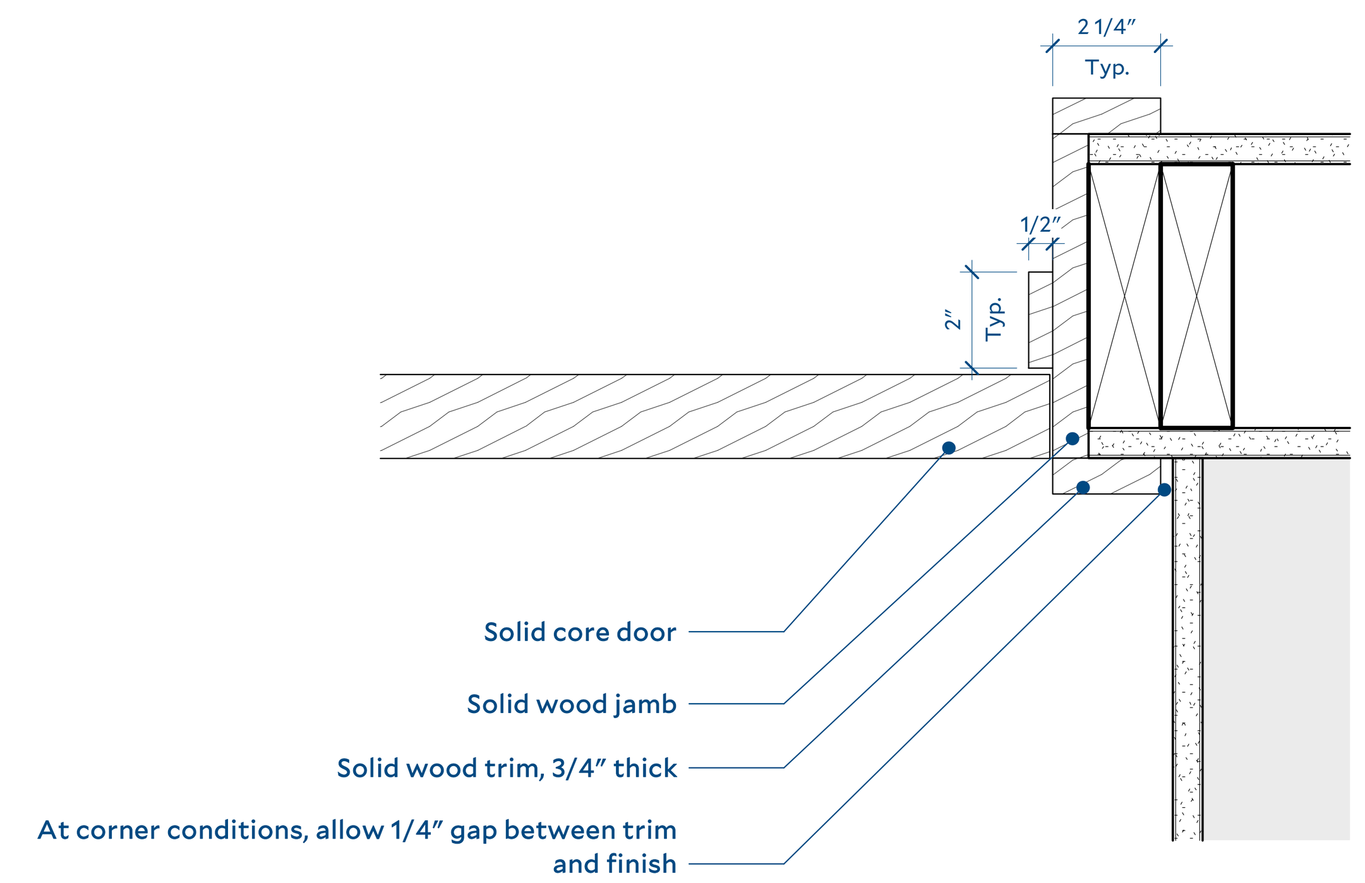
2/16/2022 2:32:23 PM



Typ. Pocket Door-Pocket Jamb Detail @ Typ.

Scale: 3" = 1'-0"

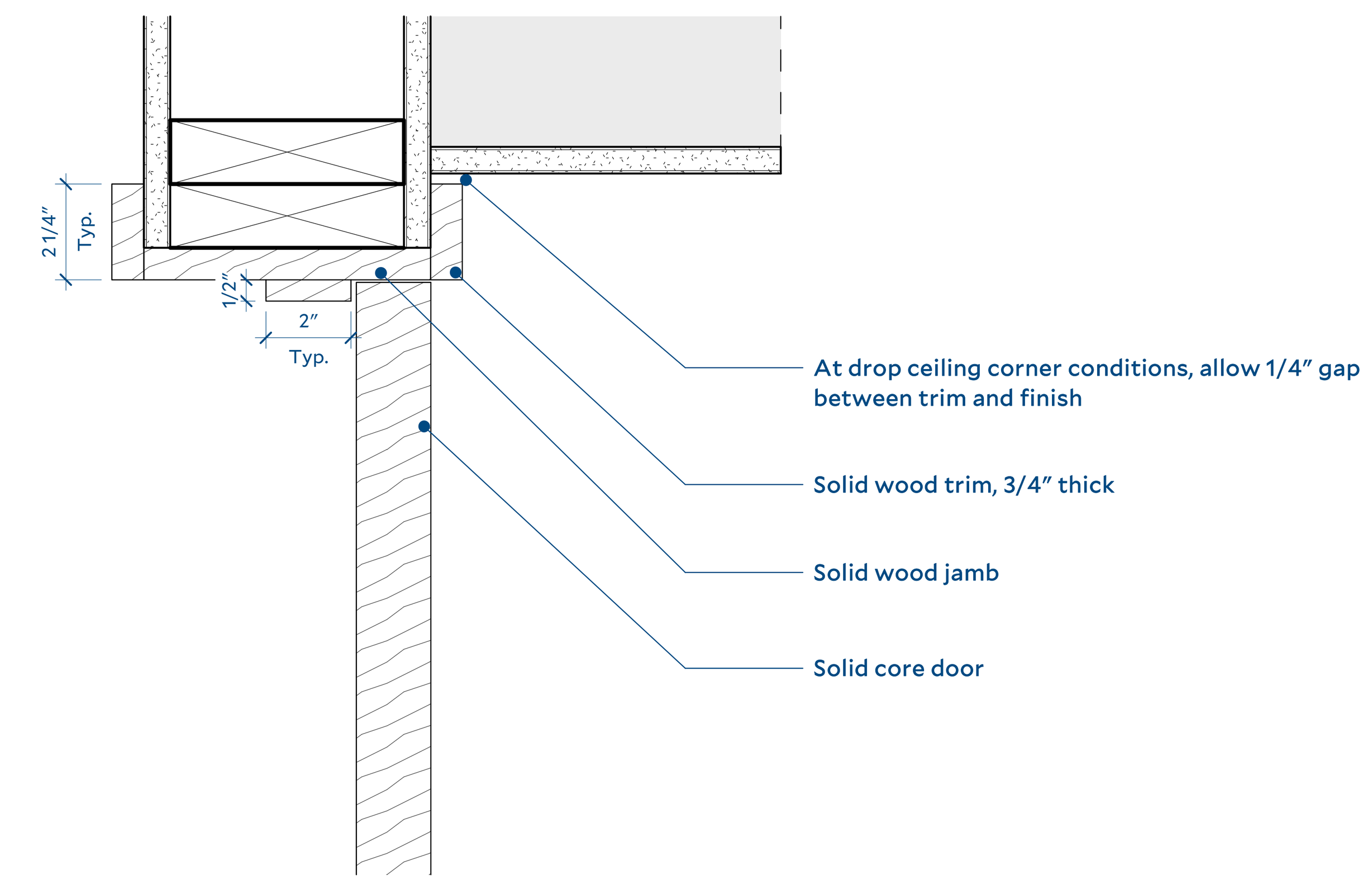
06



Typ. Interior Door-Strike Jamb Detail @ Typ.

Scale: 3" = 1'-0"

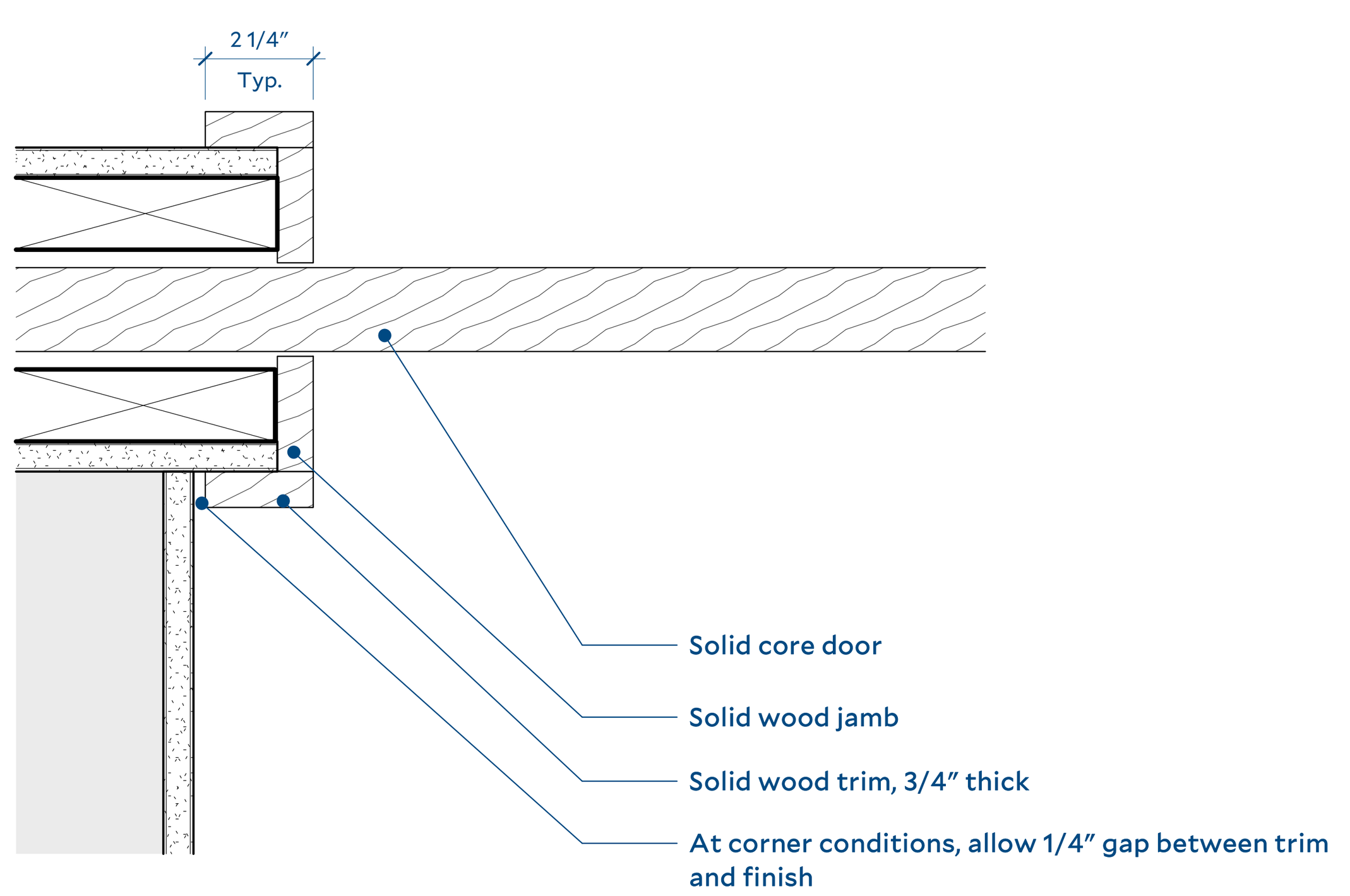
05



Typ. Interior Door-Head Detail @ Typ.

Scale: 3" = 1'-0"

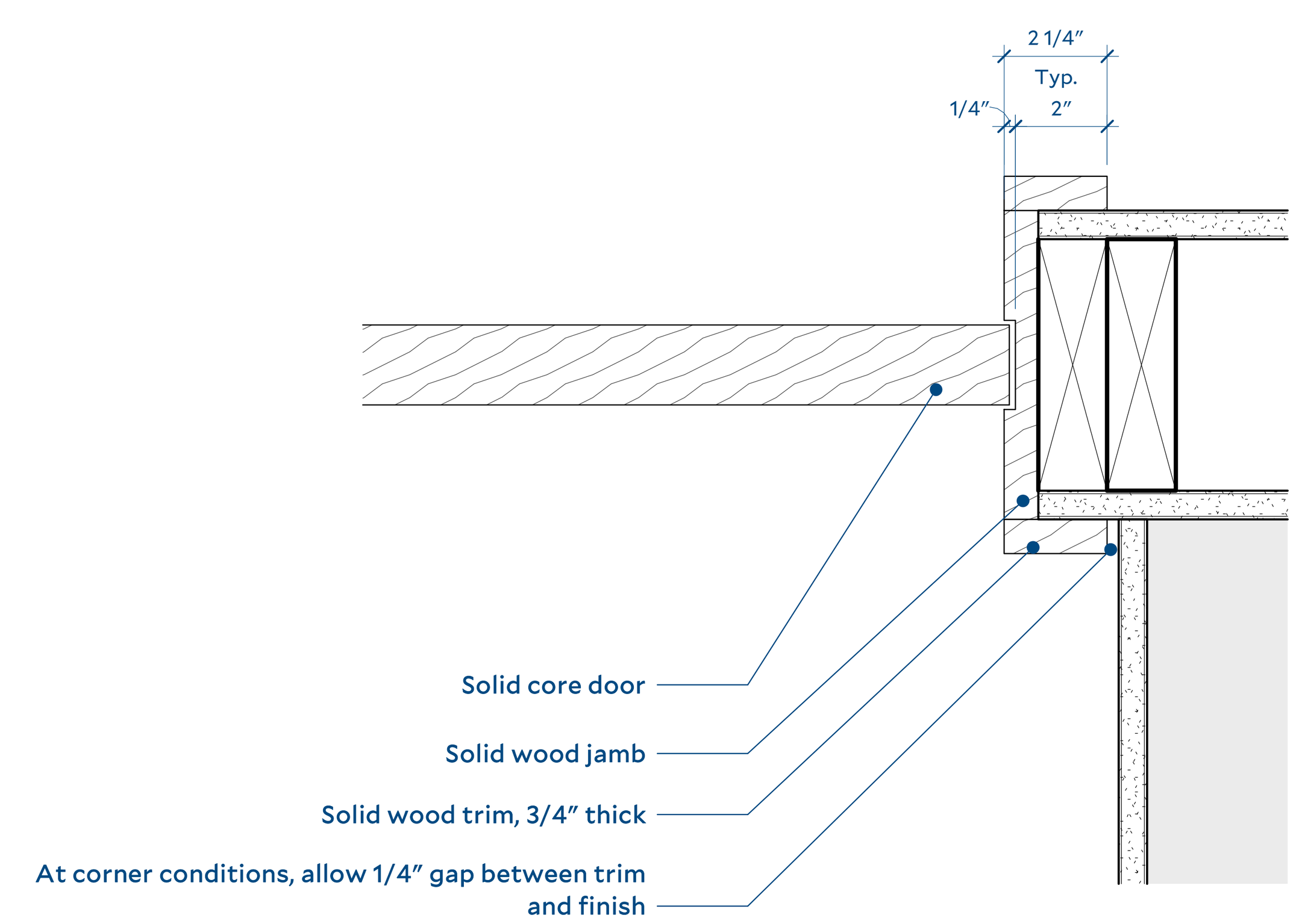
04



Interior Door-Pocketing Side-Jamb Detail @ Typ.

Scale: 3" = 1'-0"

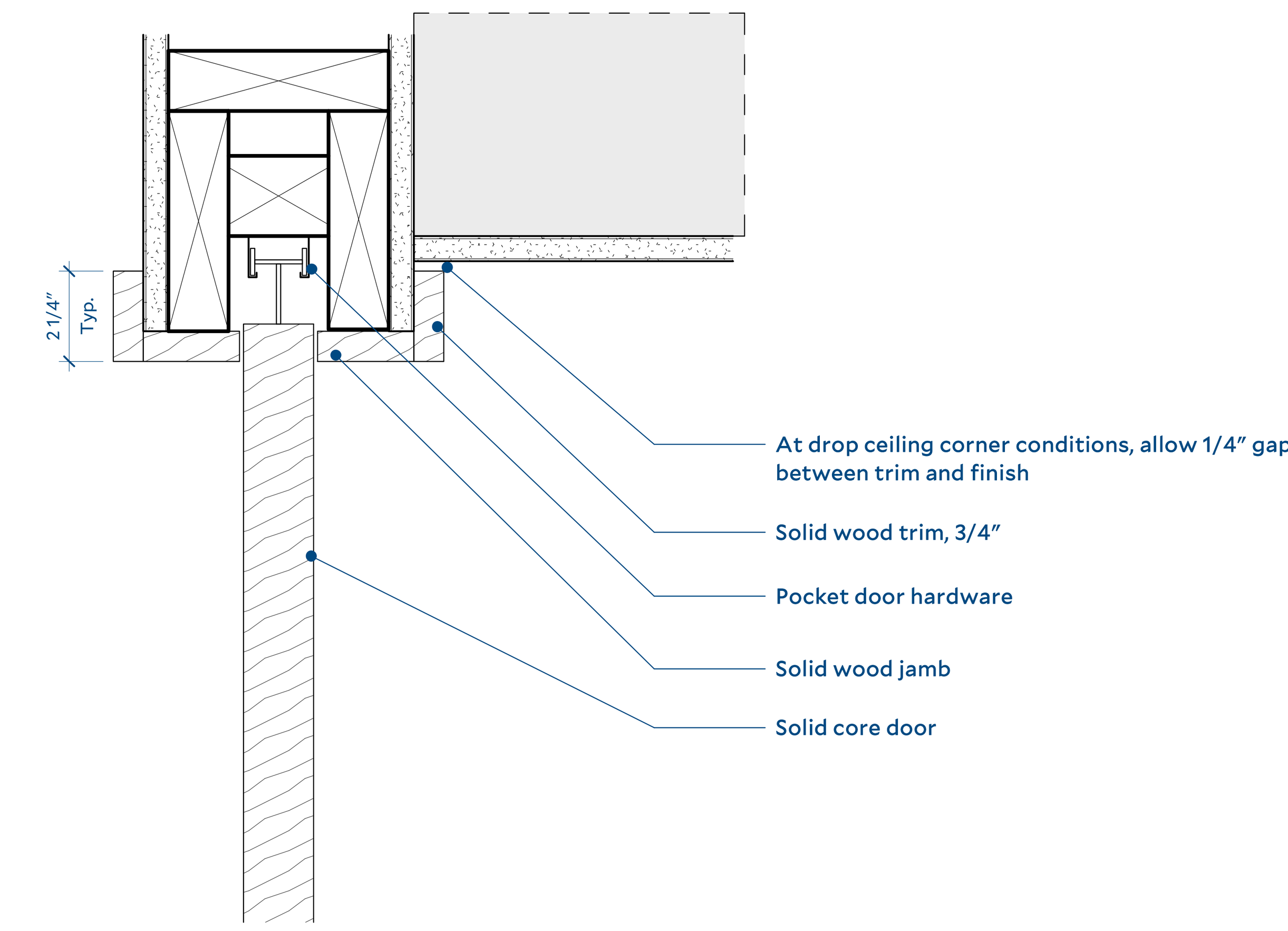
03



Interior Door-Strike Side-Jamb Detail @ Typ.

Scale: 3" = 1'-0"

02



Interior Door-Head Detail @ Typ.

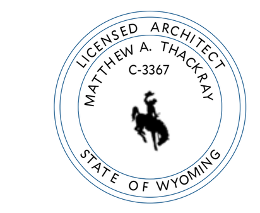
Scale: 3" = 1'-0"

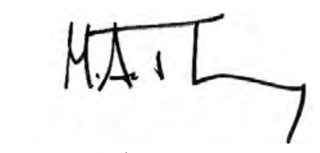
01

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com





16 February 22

Revisions

No.	Issued For	Issue Date
5	100% CONSTRUCTION DOCUMENTS	16 February 22

Casita Magee

Teton Village, Wy

Project No.: 2022.00 Drawn: ZPN
Scale: 3" = 1'-0" Checked: MAT

Sheet

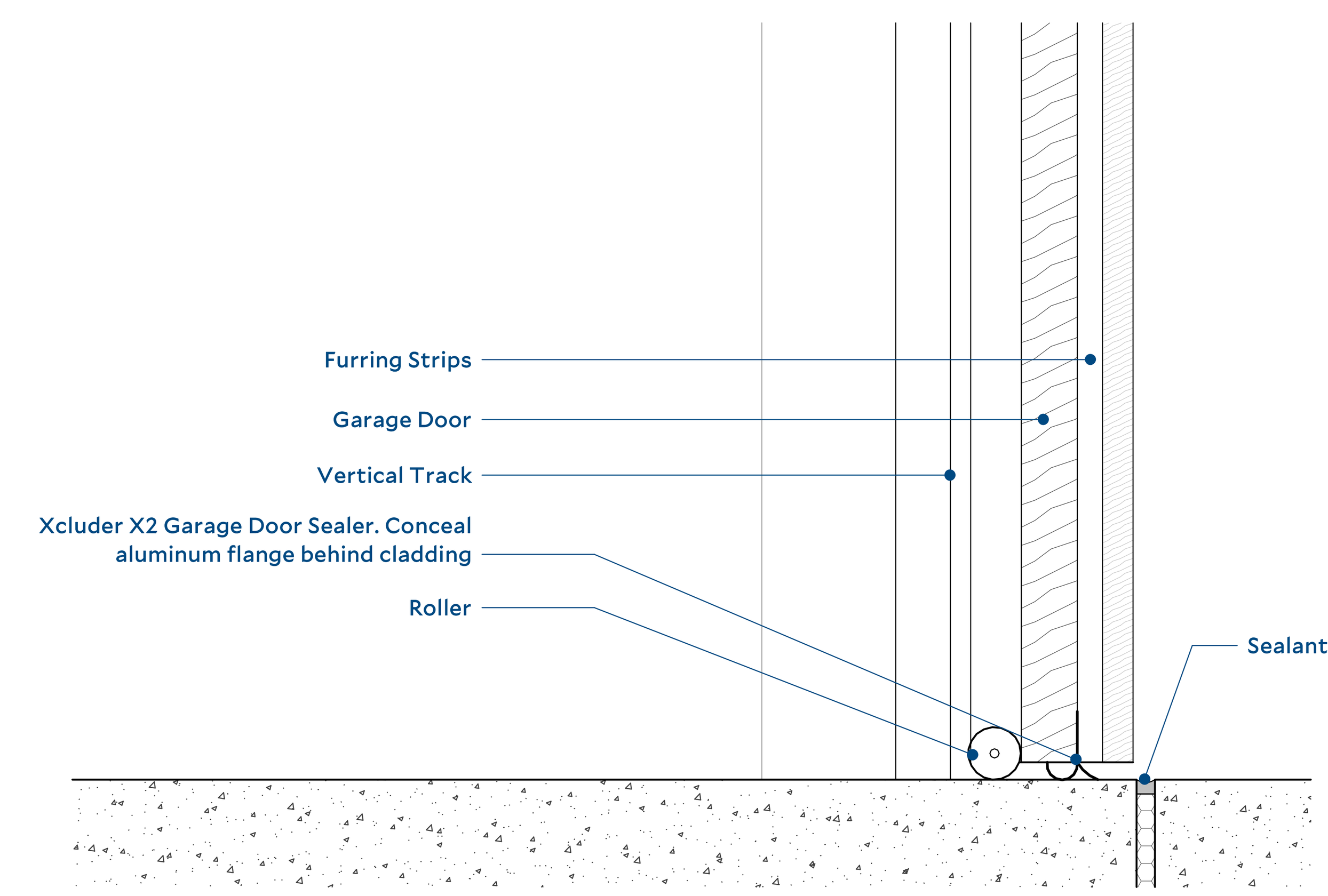
Typ. Interior Door Details

Sheet

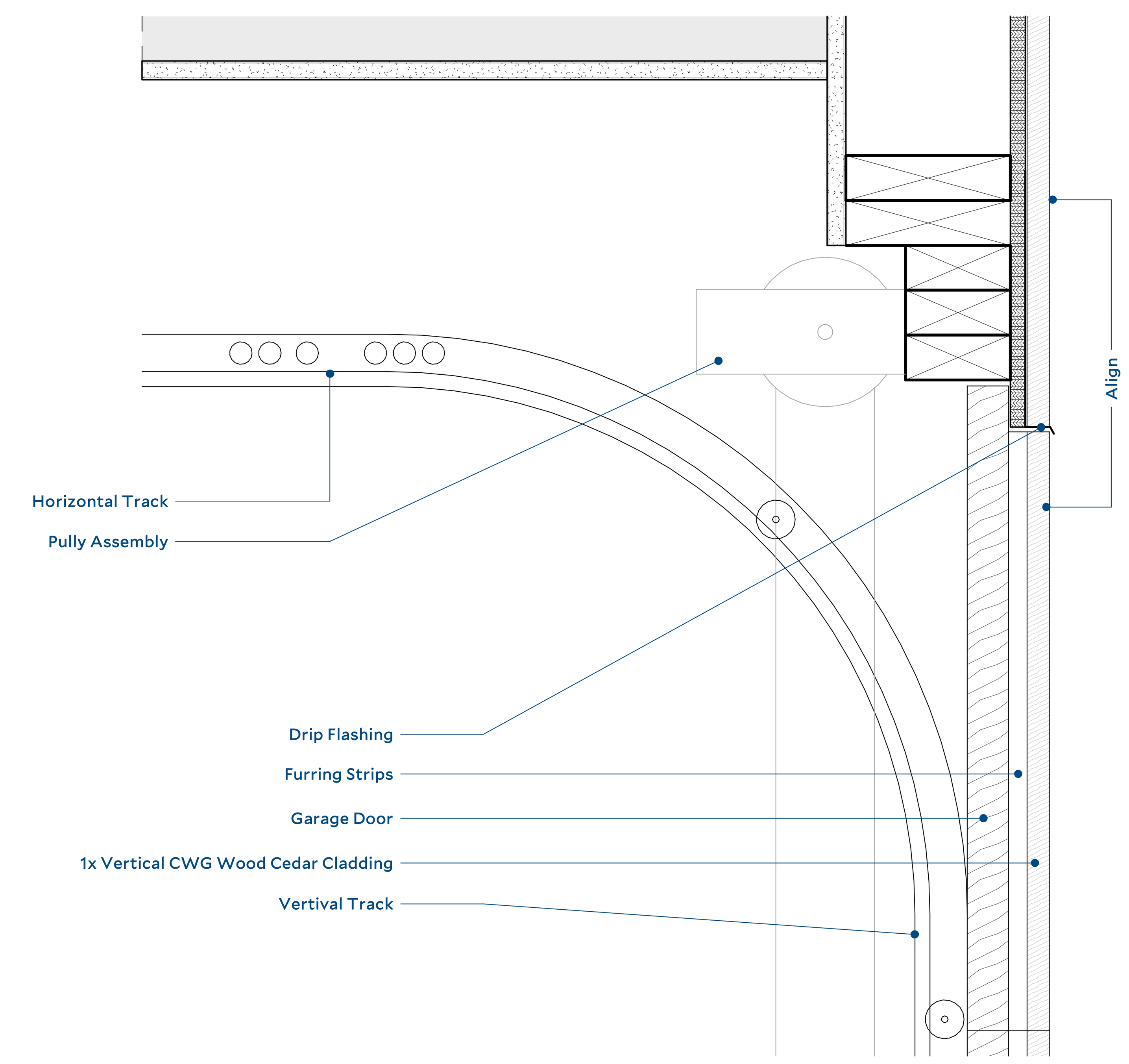
5

A906

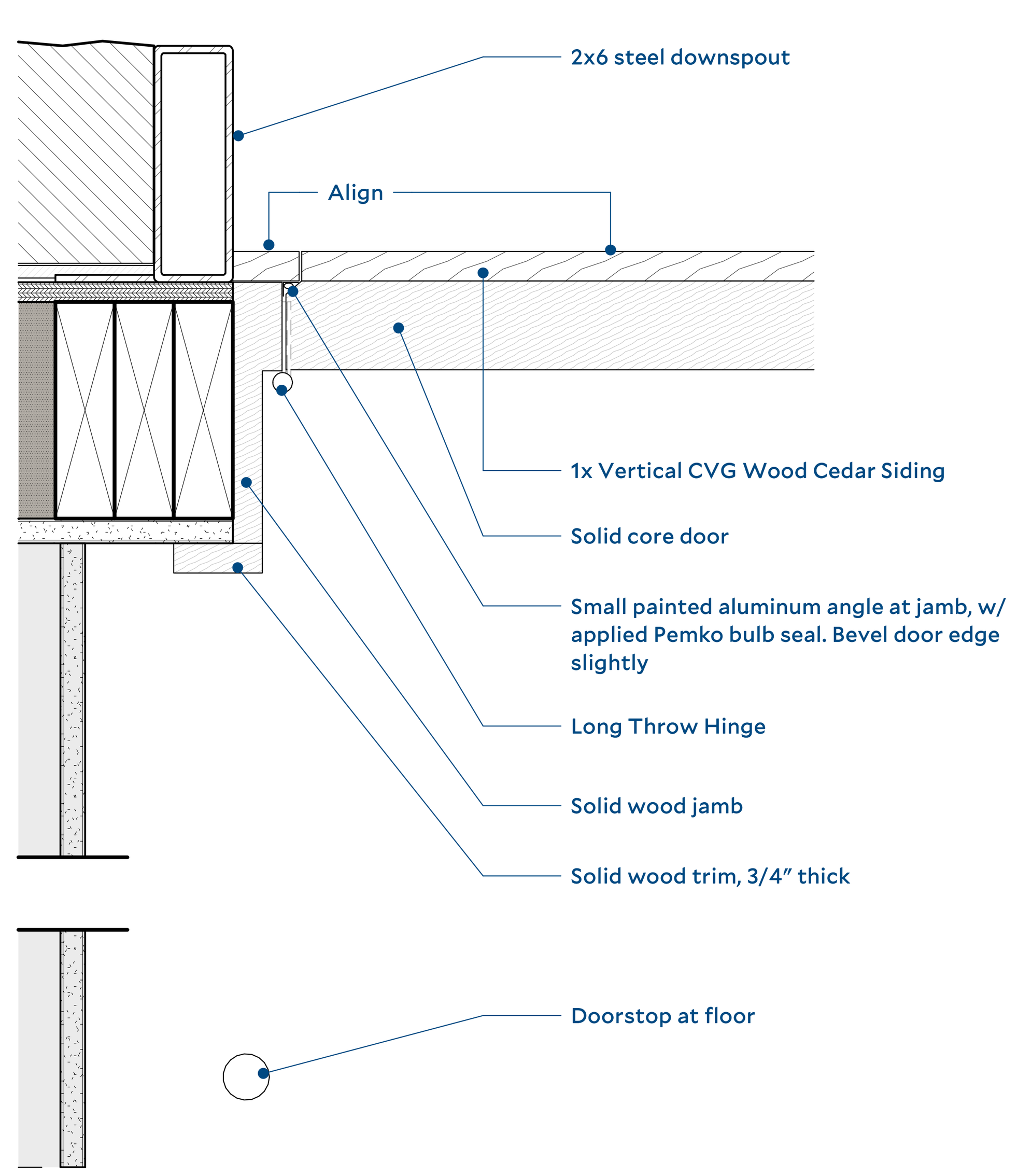
2/16/2022 2:32:23 PM



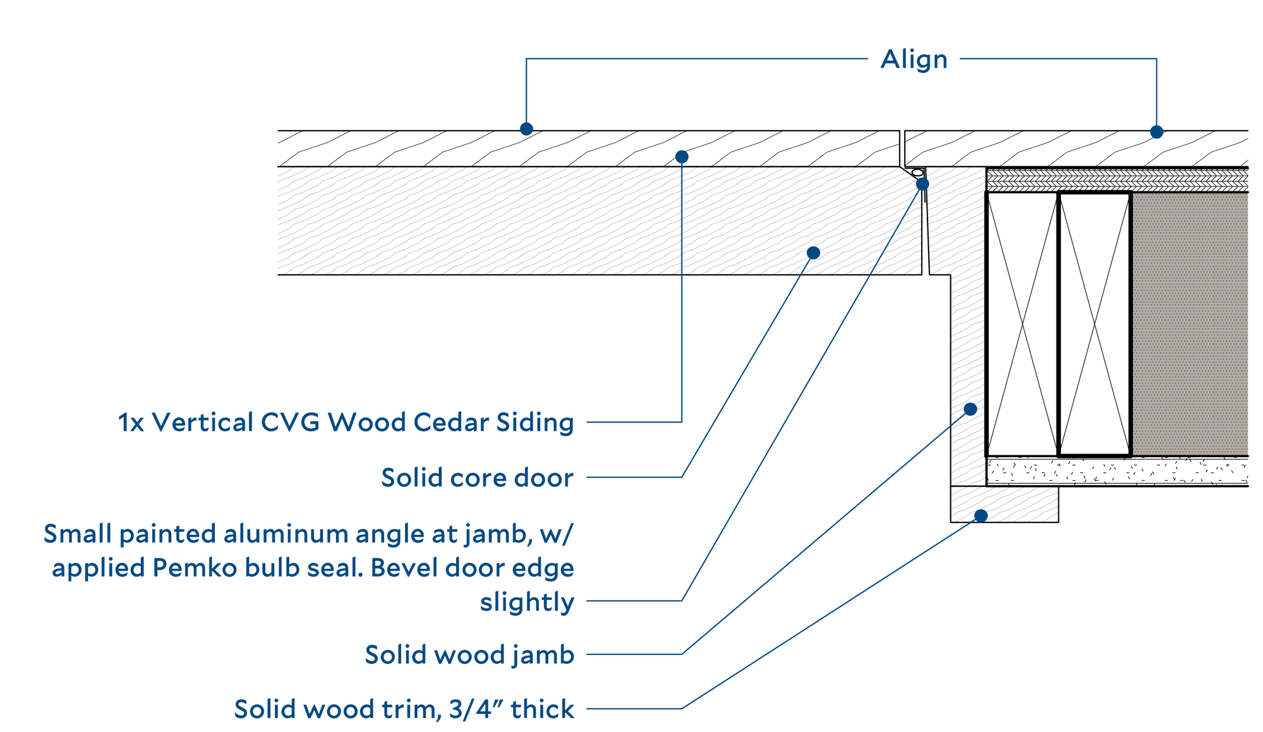
Garage Door Sill Detail
Scale: 3" = 1'-0"
05



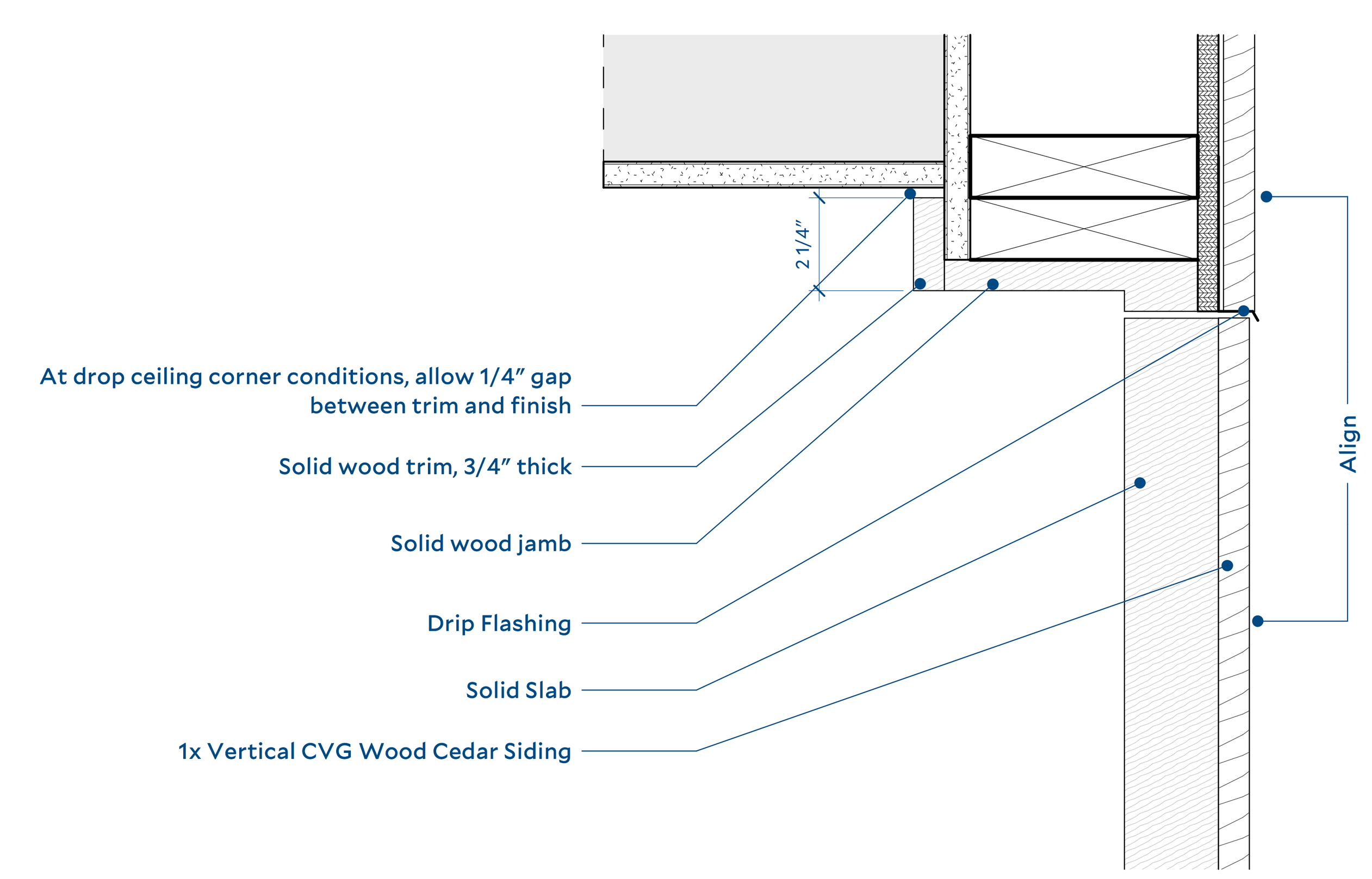
Garage Door Head Detail
Scale: 3" = 1'-0"
04



Garage Man Door Jamb Hinge Detail
Scale: 3" = 1'-0"
03



Garage Man Door Jamb Detail
Scale: 3" = 1'-0"
02



Garage Man Door Head Detail
Scale: 3" = 1'-0"
01

PROSPECT STUDIO
4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

LICENSED ARCHITECT MATTHEW A. THACKRAY C-3367 STATE OF WYOMING

16 February 22

Revisions

No.	Issued For	Issue Date
5	100% CONSTRUCTION DOCUMENTS	16 February 22

Casita Magee

Teton Village, Wy

Project No.: 2022.00 — Drawn: ZPN
Scale: 3" = 1'-0" — Checked: MAT

Sheet
Garage Doors Details

5

Sheet
A907

2/16/2022 2:32:23 PM

View from Entry Drive

West Living Room Balcony

Main Entry

View from Main House

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

LICENSED ARCHITECT MATTHEW A. THOMAS C-3187 STATE OF WYOMING

16 February 22

Revisions

No.	Issued For	Issue Date
1	SCHEMATIC DESIGN	13 Jan 21
2	PERMIT SET	8 April 21
5	100% CONSTRUCTION DOCUMENTS	16 February 22

Casita Magee

Teton Village, Wy

Project No. : 2022.00 Drawn: ZPN

Scale: Checked: MAT

Sheet

Renders

Sheet

A910

2/16/2022 2:32:25 PM

PROJECT DESCRIPTION

1. Project is a guest house for a single family residence. The house is two-stories over crawl space. Foundations for the building are concrete stem walls on spread footings. It is assumed that the footings are above high water level, so no design has been done for hydrostatic pressures. Floors for the structure are wood I-joists supported by bearing walls and wood framing. Cross-laminated timber (CLT) spans from exterior walls to ridge beams to create the roof. The lateral system is wood framed shear walls and intermediate moment frames.
2. This description is for general orientation only. The General Contractor is responsible for all scope items described in the drawings and project specifications as well as for all material and labor that can reasonably be inferred there from.

GENERAL APPLICATION

1. These drawings must be used in conjunction with the architectural drawings on the project to clearly define all requirements for construction.
2. No Contractor should attempt to bid nor construct any portion of this project without consulting the project architectural, mechanical, and electrical documents.
3. All things which, in the opinion of the Contractor, appear to be deficiencies, omissions, contradictions or ambiguities in the drawings shall be brought to the attention of the Structural Engineer. Corrections or written interpretations shall be issued before affected work may proceed.
4. The Contractor shall inform the Structural Engineer, clearly and explicitly in writing of any deviation or substitution from requirements of the contract documents. Contractor shall not be relieved of any requirement of the contract documents by virtue of the Structural Engineer's review of shop drawings, project data, etc., unless the Contractor has clearly and explicitly informed the Structural Engineer in writing of any deviations or substitutions at time of submission.

MISCELLANEOUS NOTES

1. The Contractor is solely responsible for all safety regulations, programs and precautions related to all work on this project.
2. The Contractor is solely responsible for the protection of persons and property either on or adjacent to the project and shall protect it against injury, damage, or loss.
3. Means and methods of construction and erection of structural materials are solely the Contractor's responsibility.
4. The structure is designed to function as a unit upon completion of construction of the project and then, only to support the design loads indicated. The contractor is responsible for means, methods and sequence of construction and the adequacy of the structure to support loads occurring during construction of the project. Furnish all temporary bracing, shoring, and/or support as may be required.
5. No openings, nor any change in size, dimension or location shall be made in any structural element without written approval of the Structural Engineer.
6. Openings 1'-4' or less on a side are generally not shown on the structural drawings. Refer to drawings of other consultants for such openings.
7. Openings through floors and/or roofs for passage of utilities are not located nor dimensioned on structural drawings. Contractor shall obtain and coordinate such locations and dimensions with the contractor requiring the opening.
8. Show all openings through structural members on shop drawings and submit for review. Openings not shown on structural drawings are subject to acceptance and shall be specifically indicated for review and acceptance.
9. Fireproofing of structural elements is not shown on the structural drawings. Refer to the specifications and architectural documents.
10. Do not scale these drawings, use the dimensions shown. In case of conflict, request clarification from architect and structural engineer.
11. No structural modifications, alterations, or repairs shall be made without prior review by Structural Engineer. Submit details and calculations prepared by a professional engineer registered in state where project is located and employed by contractor.
12. Where framed floors are to be used for staging or temporary storage area the contractor shall verify that unit loads do not exceed the design loads for the supporting framed floors.

QUALITY ASSURANCE AND QUALITY CONTROL

1. The Contractor is responsible for assuring quality, including workmanship and materials furnished by subcontractors and suppliers.
2. Inspection or testing by the Owner does not relieve the Contractor of the responsibility to perform the work in accordance with the Contract Documents.
3. Workmanship: The Contractor is responsible and shall bear the cost of correcting work which does not conform to the specified requirements.
4. Correct deficient work by means acceptable to the Architect. The cost of extra work incurred by the Architect to approve corrective work shall be borne by the Contractor.
5. The Owner's Testing Agency shall perform testing and special inspections required by the structural documents, building code and the local authority. The Testing Agency shall comply with ASTM E329 and upon completion of work, the Testing Agency shall furnish a certificate of compliance, signed by the professional engineer overseeing special inspections and testing. The professional engineer must be registered and licensed in the state where the project is located.
6. The individual employed by the Testing Agency, responsible for overseeing testing and inspection of soils and foundations shall be a professional engineer practicing the discipline of geotechnical engineering, referred to as the Geotechnical Engineer in the structural portion of the construction documents. The Geotechnical Engineer is responsible for testing and inspections of soils, earthwork and foundations for conformance to the foundation design and the geotechnical report. See foundation section of the general notes.
7. See special inspections section of the general notes for required testing and inspection.

STRUCTURAL DESIGN CRITERIA

Building Code: 2018 International Building Code	(Note 1)		
Local Jurisdiction: Teton County, Wyoming			
Risk Category: II			
Wind Loading			
Basic Wind Speed	Vult= 115 MPH	Vasd= 90 MPH	
Exposure Category	C		
GCpi	0.18		
Ultimate Wind Base Shear			
East/West	11 kips		
North/South	27 kips		
Ultimate Wind Design Pressure Components & Cladding, PSF	20ft²	50ft²	100ft²
Interior Roof Zone (Zone 1)	-44.3	-38.0	-33.3
Roof End Zone (Zone 2)	-61.9	-50.3	-41.5
Corner Roof Zone (Zone 3)	-69.4	-52.5	-52.2
Interior Wall Zone (Zone 4)	-32.3	-30.5	-29.1
Wall end Zone (Zone 5)	-38.8	-35.1	-32.6
Seismic Loading			
Seismic Importance Factor, Ie	1.0		
Mapped Spectral Response Acceleration			
Ss	1.115		
S_1	0.382		
Site Class	D-Default		
Spectral Response Coefficients			
Sds	0.892		
Sd_1	0.448		
Seismic Design Category	D		
Basic Seismic Force Resisting System	Wood Framed Shear Walls	Steel Intermediate Moment Frame	
Response Modification Factor, R	6.5	4.5	
Over-Strength Factor, Ω_0	2.5	2.5	
Deflection Amplification Factor, Cd	4.0	4.0	
Seismic Response Coefficient, Cs	0.14	0.2	
Analysis Procedure Used	Equivalent Lateral Force Analysis		
Ultimate Seismic Base Shear			
East/West	27 kips		
North/South	27 kips		
Snow Loading	(Notes 2,3,5)		
Ground Snow Load, Pg	120 PSF		
Importance Factor, Is	1.0		
Terrain Category	C		
Exposure Factor, Ce	1.0		
Thermal Factor, Ct	1.0		
Slope Factor, Cs	1.0		
Live Loads and Superimposed Dead Loads	(Notes 4,5)		
Foundations			
Geotechnical Engineer Information:	Ray Womack, PE, PS; WY#4958		
	Jorgensen Geotechnical, LLC		
	1315 Hwy 89 S, Suite 201		
	Jackson, WY 83002		
	(307) 733-5150		
	Date of Report: 07/27/2017		
Active Equivalent Fluid Pressure	37 PSF/FT		
At-Rest Equivalent Fluid Pressure	58 PSF/FT		
Passive Equivalent Fluid Pressure	498 PSF/FT		
Sliding Friction Coefficient	35		
Allowable Bearing Capacity	5000 PSF		
Minimum Frost Depth	36 IN		
Referenced Datum	100'-0" = 6284.1875' USGS		

NOTES:

1. The governing building code defines the applicable edition of referenced codes and standards. Where governing building code does not define referenced codes and standards, the latest...
2. Ground snow load is according to the Teton County Building Department on 03/05/2021.
3. All snow loads on the structure for both flat and sloped roofs [are] [shall be] calculated in accordance with the 2018 IBC and based on the ground snow load stated above. Roof snow loads consider the following load conditions: partial loading, unbalanced roof snow loads,...
4. Minimum uniform and concentrated live loads as well as partition loads and applicable live load reductions are determined according to [Section 1607 of the IBC].
5. See Load Keys for numerical definition and area designation of snow, live, and other gravity loads used in design.

SPECIFICATIONS

1. These General Notes are intended to function as the structural portion of project specifications.

SUBMITTALS

1. See Material sections of these General Notes for required shop drawings.
2. Submit one (1) copy of the required information (Manufacturers Data, Shop Drawings, etc) via electronic media (PDF or similar).
3. Reproducible copies of contract documents shall not be used.
4. Submittals shall be sent directly to the Architect for review and distribution.
5. Submittals shall be reviewed by Contractor and Subcontractor prior to submission. Drawings shall bear Contractor's approval stamp accepting responsibility for coordination of dimensions shown in the contract documents, quantities and coordination with other trades.
6. Allow 14 calendar days in the Structural Engineer's office for review of submittals.

7. Submittals will be returned to the Architect with Structural Engineer's review comments via electronic media.

PLAN KEYS AND SYMBOLS

- 1 / S101 — ELEVATION VIEW: 1 = DRAFTING NUMBER, S101 = SHEET NUMBER
- 1 / S101 — WALL / BUILDING SECTION: 1 = DRAFTING NUMBER, S101 = SHEET NUMBER
- 1 / S101 — SECTION CUT: 1 = DRAFTING NUMBER, S101 = SHEET NUMBER
- 1 / S101 — DETAIL CALL OUT: 1 = DRAFTING NUMBER, S101 = SHEET NUMBER
- /00 — ADDENDUM NUMBER
- YY* — STEPS AND SLOPES IN DECKS & SLABS: YY* = STEP HEIGHT
- REFERENCE XXX' – YY* — ELEVATION CALLOUT: REFERENCE = T/OBJECT OR B/OBJECT, XXX'–YY* = OBJECT ELEVATION
- CX, BPX, xxK — COLUMN TYPE: CX = COLUMN TYPE, RE: SCHEDULE; BPX = BASE PLATE, RE: SCHEDULE; xxK = TRANSFER LOAD
- SPLICE IN BEAM/GIRDER, RE: TYPICAL DETAILS
- MOMENT CONNECTIONS THROUGH BEAM
- MOMENT CONNECTIONS TO COLUMN
- Wx___T — STEEL BEAM PENETRATION, RE: BEAM PENETRATION SCHEDULE
- DIRECTION OF DECK SPAN
- H1 — WOOD JOIST HANGER: H1 = JOIST HANGER TYPE, RE: SCHEDULE
- K — KEYED NOTE: K = KEYED NOTE, RE: SCHEDULE

WALLS AND COLUMNS

- CIP CONCRETE WALL ABOVE
- WOOD FRAMED WALL ABOVE
- WALL BELOW (ALL MATERIALS)
- WALL ABOVE W/ WINDOW *
- WALL ABOVE W/ DOOR *
- CIP CONCRETE COLUMN ABOVE
- STEEL COLUMN ABOVE
- WOOD COLUMN ABOVE
- COLUMNS BELOW (ALL MATERIALS)

*CIP CONCRETE SHOWN; GRAPHICS APPLY TO OTHER WALL MATERIALS

SECTIONS AND DETAILS

- CIP CONCRETE
- SOIL FILL
- UNDISTURBED SOIL

FOUNDATIONS

- F? / XX'–XX* — FOOTING NOTATION: F? = FOOTING TYPE RE: SCHEDULE, XX'–XX* = T/FTG ELEVATION
- S——S — FOOTING / FOUNDATION STEP

STEEL FRAMING

- RL ()SIZE(XX)c=Y" RR / XX'–YY* — BEAM / GIRDER NOTATION: RL = REACTION LEFT (K); SIZE = MEMBER TYPE; (XX) = # OF STUDS; Y" = CAMBER SIZE; RR = REACTION RIGHT (K); XX'–YY* = T/STL ELEVATION; RE: TYPICAL DETAILS FOR CONNECTION DETAILS/CAPACITIES

WOOD FRAMING

- BEAM / GIRDER
- JOIST / RAFTER

WOOD SHEAR WALL PLAN KEY

- SHEAR WALL ABOVE FLOOR/ROOF
- SHEAR WALL BELOW FLOOR/ROOF
- SHEAR WALL ABOVE & BELOW FLOOR/ROOF
- A 0" — WOOD SHEAR WALL DESIGNATION AND MINIMUM REQUIRED LENGTH: RE: SHEAR WALL SCHEDULE
- HDU1 — HOLD DOWN FOR WOOD SHEAR WALL, RE: HOLD DOWN SCHEDULE

ABBREVIATIONS

AB	anchor bolt
ADDNL	additional
AFF	above finish floor
ALT	alternate
ARCH	architectural
B/	bottom of
BLDG	building
BM	beam
BOT	bottom
BRG	bearing
BS	both sides
BTWN	between
CFS	cold-formed steel
CIP	cast-in-place concrete
CJ	construction / control joint
CJP	complete joint penetration
CLR	clear
CMU	concrete masonry unit
COL	column
CONC	concrete
CONN	connection
CONST	construction
CONT	continuous
D	depth
DIA, ϕ	diameter
DIM	dimension
DK	deck
DTL	detail
DWGS	drawings
DWL	dowel
(E)	existing construction
EA	each
EF	each face
EJ	expansion joint
ELEV	elevation
EOx	edge of (S=slab, C=conc, etc)
EW	each way
EXP	expansion
EXT	exterior
FDN	foundation
FLR	floor
FOx	face of (S=slab, C=conc, etc)
FS	far side
FTG	footing
GA	gage
GB	grade beam
GC	general contractor
GEN	general
GLB	glulam
HDG	hot dip galvanize
HDR	header
HK	hook
HORIZ	horizontal
HSA	headed stud anchor
I/F	inside face
INT	interior
JST	joist
JT	joint
KIP, K	1000 pounds

ABBREVIATIONS

KLF	1000 pounds per lineal foot
L	length
LAT	lateral
LBS	pounds
LLH	long leg horizontal
LLV	long leg vertical
LONG	longitudinal
LSL	laminated strand lumber
LVL	laminated veneer lumber
LW, LWT	lightweight
MAS	masonry
MAX	maximum
MECH	mechanical
MFR	manufacturer
MIN	minimum
MTL	metal
O/F	outside face
OC	on center
OH	opposite hand
OPNG	opening
PAF	powder actuated fastener
PC	precast concrete
PERP	perpendicular
PERT	pre-engineered roof truss
PJP	partial joint penetration
PL	plate
PLF	pounds per lineal foot
PSL	parallel strand lumber
PT	post-tensioning, post-tensioned
PT	pressure treated
RE:	reference
REINF	reinforcement
REQD	required
RET	retaining
SC	slip critical
SCHED	schedule
SCL	structural composite lumber
SIP	structural insulated panel
SOG	slab on grade
SPA	spacing
STFNR	stiffener
STL	steel
T/	top of
THK	thickness
TL	transfer load
TRAN	transverse
TYP	typical
UNO	unless noted otherwise
VERT	vertical
VIF	verify in field
W	width
WP	work point
WWF	welded wire fabric

NEW SHEET = ○ REVISED DRAWING =
NO MODIFICATIONS = ● SHEET DELETED = ⊠

SHEET NO.	SHEET NAME	04.08.2021 Permit Set	09.04.2021 Core and Shell Set
S100	GENERAL NOTES	○	●
S101	GENERAL NOTES	○	●
S102	GENERAL NOTES	○	●
S110	LOAD KEYS	○	●
S120	TYPICAL DETAILS	○	●
S121	TYPICAL DETAILS	○	●
S122	TYPICAL DETAILS	○	●
S123	TYPICAL DETAILS	○	●
S200	FOUNDATION AND GROUND FLOOR PLANS	○	◗
S201	SECOND FLOOR AND ROOF FRAMING PLANS	○	◗
S300	ELEVATIONS	○	●
S400	DETAILS	○	●
S401	DETAILS	○	●
S402	DETAILS	○	●
S500	SCHEDULES	○	●
S501	SCHEDULES	○	●

PROSPECT STUDIO
4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

KL&A
Engineers & Builders
1717 Washington Avenue, Suite 100
Golden, Colorado 80401
P: (303) 384 9910 F: (303) 384 9915
Buffalo, WY ○ Carbondale, CO ○ Golden, CO ○ Loveland, CO

Revisions

No.	Issued For	Issue Date
1	Permit Set	04.08.2021

Casita Magee

Teton Village, Wy

Project No. : 20657 — Drawn: SYE
Scale: As indicated — Checked: RLH

Sheet Title:
GENERAL NOTES

Sheet Number:
S100

8/31/2021 9:10:50 AM

THESE DRAWINGS ARE TO BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS ON THE PROJECT TO CLEARLY DEFINE ALL OF THE REQUIREMENTS FOR THE CONSTRUCTION. WHERE CONFLICTS OCCUR CONTACT ARCHITECT FOR CLARIFICATION.

THE STRUCTURAL ENGINEERS SEAL ON THIS DRAWING INDICATES THAT THE INFORMATION SHOWN AND THE CALCULATIONS PERTAINING TO THAT INFORMATION HAVE BEEN PREPARED BY QUALIFIED PEOPLE UNDER THE DIRECTION OF THE ENGINEER-OF-RECORD. THE SEAL DOES NOT IMPLY RESPONSIBILITY FOR INFORMATION PREPARED BY OTHERS NOR FOR ANY INFORMATION NOT SHOWN ON THIS DRAWING AND SUCH RESPONSIBILITY IS SPECIFICALLY DISCLAIMED. ON PHASED PROJECTS, DRAWINGS THAT ARE ISSUED BUT NOT SEALED SHALL BE CONSIDERED TO BE PRELIMINARY IN NATURE AND ARE ISSUED FOR INFORMATION ONLY.

FOUNDATIONS

GENERAL:

1. The foundations have been designed based on the design criteria and the Geotechnical Report referenced in the Structural Design Criteria section. Earthwork and foundation soil preparation shall be performed to provide soil properties meeting the design criteria.
2. The Geotechnical Engineer shall inspect and test soils, earthwork and foundations - see special inspection and quality assurance sections of the general notes. Prior to placing foundations and slabs-on-grade, obtain approval from the Geotechnical Engineer indicating earthwork and soil preparation has been performed adequately to conform to the foundation design criteria.
3. Bottom of exterior footings and walls shall bear below final exterior grade for frost protection - see structural design criteria section of the general notes.
4. Foundation walls having earth placed on each side shall have both sides filled simultaneously to maintain a common elevation.
5. Brace all foundation walls against movement while backfilling until floor slabs at the top and bottom of the wall are in place. Brace foundation walls as necessary to prevent movement and overstress due to equipment loading regardless of sequencing of top and bottom floor slabs.
6. Slab-on-grade movement is anticipated, see Geotechnical Report for magnitude of vertical movement. Isolate partition walls from slab-on-grade to allow for expected vertical movement.
7. Contractor shall provide continuous site drainage by a mechanical method to control surface and underground water as required to maintain a dry working site.
8. Foundation drainage and waterproofing is not shown or specified within the structural portion of the construction documents. Reference other portions of the construction documents for drainage, waterproofing and items associated with other disciplines.

CAST-IN-PLACE CONCRETE

GENERAL:

1. All concrete work shall conform to ACI318 and ACI 301 and tolerances shall conform to ACI 117 unless noted otherwise. Contractor shall keep a copy of these references on site at all times.
2. Concrete Compressive Strength – See "Concrete Mix Design Requirements" Table
3. Materials – See "Concrete Materials Designation" table

FORMING:

1. All formwork shall conform to Class B finish in accordance with ACI 117 unless noted otherwise by architectural drawings. Refer to architectural drawings for architectural finish concrete.
2. All construction joints shown on the drawings shall be incorporated into the structure unless elimination is approved by the Structural Engineer. Additional joints required to facilitate construction shall be located at points of minimum shear and shall be detailed on reinforcing shop drawings for review. Locate vertical joints in walls and slabs within the middle third between supports designed and detailed with dowels and keys for transfer of design shear, unless noted otherwise. Reinforcing shall pass continuously through construction joints. Where joints are shown as roughened, mechanically roughen surface to 1/4" amplitude clean and free of laitance.
3. Unless otherwise shown in the architectural drawings, provide chamfers at all columns, beams, walls, and slab edges that are exposed to view in the finished structure.
4. Locate door openings, window openings, MEP openings, curbs, and ledges per architectural drawings. For openings not dimensioned on structural drawings refer to architectural drawings.
5. Comply with requirements of ACI 301 for removal of formowrk. At non-post tensioned concrete slabs, formwork shall remain in place a minimum of 7 days and until the concrete reaches the specified 28 day strength.

REINFORCING AND EMBEDDED ITEMS:

1. Provide standard hooks on bars terminating at a concrete face unless noted such as at edges of openings, slab edges, expansion joints, ends of beams, and ends of walls.
2. Unless noted otherwise, provide (2) #5's at each side of openings. Extend 2'-0" beyond edges of opening.
3. Unless noted, splice continuous top and bottom bars in walls as follows: top bars at mid-span, bottom bars over support.
4. Splice bars with class B contact laps per the reinforcing contact lap splice length table, unless noted otherwise.
5. Unless noted, provide continuous reinforcing around corners and through construction joints, control joints, contraction joints, and joints between all abutting members. Provide epoxy coated reinforcing through construction joints at garage slabs and slabs exposed to de-icers.
6. Welding of reinforcing is prohibited, unless noted otherwise and shall conform to ASTM A706.
7. Provide embeds (including anchors) for all supporting structural and non-structural elements including but not limited to hand rails, canopies, window washing davits, miscellaneous steel, bollards, etc.

PLACING AND FINISHING:

1. Handling, placing, constructing, and curing shall conform to ACI 301 including placement of concrete in wet weather, cold weather, and hot weather.
2. Curing compounds should not be used on surfaces that are to receive additional concrete, paint, tile, or other material requiring a positive bond unless the contractor has demonstrated that the membrane can be satisfactorily removed before subsequent application is made, or the membrane dissipates or can serve satisfactorily as the base for the later application.
3. All concrete work shall be poured in-place unless noted otherwise. Shotcrete placement method will only be permitted if approved by the structural engineer prior to permit submittal. All requests and submittals to place concrete by the shotcrete method shall conform to ACI 506.2 and shall include pre-construction testing procedures. Requests for shotcrete placement shall be limited to foundation walls with simple reinforcing. All pilasters or in-wall columns shall be formed and poured separately from shotcrete operations.

POST INSTALLED ANCHORS IN CONCRETE AND MASONRY

GENERAL:

1. Holes are assumed to be dry unless otherwise noted on plans.
2. Holes to be hammer drilled with bit as specified by anchor manufacturer.
3. Anchors specified are based on the specific technical data published by the specified anchor manufacturer. Substitutions are not permitted without approval by the Structural Engineer of Record prior to use. Contractor shall provide calculations demonstrating that the substituted product is capable of achieving the performance values of the specified product. Substitutions will be evaluated by their having an ICC ESR showing compliance with the relevant building code for seismic uses, load resistance, installation category, and availability of comprehensive installation instructions. Adhesive anchor evaluations consider creep, in-service temperature and installation temperature.
4. Install anchors per the manufacturer instructions, as included in the anchor packaging. Installation shall adhere to ICC ESR. Reference plans and details for anchors that are to be installed with reduced torque.
5. Concrete should be allowed to cure a minimum of 21 days prior to adhesive anchor installation.
6. Prior to installation of anchors all installation and inspection personnel shall be instructed on site by a representative of the anchor manufacturer on proper installation techniques and equipment.
7. Anchor capacity is dependent upon spacing between adjacent anchors and proximity of anchors to edge of concrete. Install anchors in accordance with spacing and edge clearances indicated on the drawings.
8. Installation of anchors shall not damage existing reinforcing. Prior to drilling, care shall be taken to avoid damage by locating existing reinforcing and PT by use of GPR, X-Ray, or other means that avoids damage to the concrete and accurately predicts potential conflict of reinforcing.
9. Post-installed anchors to be stainless steel where exposed to exterior and/or corrosive environments unless the anchor is protected.
10. All installers of post-installed adhesive anchors horizontally, vertically or upwardly inclined in concrete to support sustained tension loads shall be certified by ACI/CRSI adhesive anchor installer certification program, or equivalent as required by the IBC. Submit certificates for record.
11. All post-installed anchors in concrete shall be suitable for use in cracked concrete applications.
12. When doweling continuously deformed rebar into concrete use Hilti RE-500v3 or an adhesive that has been approved under ACI 355.4 and ACI 318 for development and lap splices.
13. Unless noted otherwise on plans/details all adhesive anchors shall be Hilti HIT-HY200 Safe-Set for concrete. Unless noted otherwise on plans/details all screw anchors shall be Hilti HUS-EZ. See note 3 for substitutions.

CONCRETE MIX DESIGN REQUIREMENTS

Element	f'c (psi)	Cement Type	Max W/C	Max Agg	Air Content (Note 1,2)	Slump (Note 3)	Exposure Class	
Footings	4000, NW	I/II	-	3/4"	-	4"	F0	C0
							S0	W
Walls	4500, NW	I/II	0.45	3/4"	5	4"	F1	C0
							S0	W
Interior Slab-on-Grade (SOG)	4000, NW	I/II	0.50	3/4"	-	4"	F0	C0
							S0	W
Other	4000, NW	I/II	0.45	3/4"	-	4"	F0	C0
							S0	W

TABLE FOOTNOTES:

1. For any concrete exposed to freezing temperatures and moisture, the air content shall be the greater of 5%, minimum required by ACI 318, or of that shown in the table.
2. Tolerance on air content as delivered shall be +/- 1.5%.
3. Slump tolerances as follows (ACI 117):
   Specified Slump not greater than 4"= +/- 1"
   Specified Slump more than 4"= +/- 1 1/2"
   Where Slump is specified as a range= No Tolerance
   See ACI 301 for slump of concrete before addition of plasticizers or high-range water reducing admixtures.

GENERAL CONCRETE MIX NOTES:

1. Strength (f'c) is the 28 day compressive strength at 28 days unless noted otherwise or compressive strength at the spcificed age.
2. Concrete is normal weight concrete unless noted otherwise. Normal weight concrete (NW) shall have a dry density of 145 ± 5 pcf unless noted otherwise. Lightweight concrete (LW) shall have a dry density of 110 ± 5 pcs unless noted otherwise.
3. Required minimum average splitting tensile strength = 6.7*√(f'c) regardless of concrete density.
4. Mix designs shall be in accordance with ACI 301.
5. Exposure Class indicates the severity of the anticipated exposure of concrete members for each exposure indicated below according to ACI 318/ACI 301:
   Freeze Thaw Exposure noted thus: F0,F1,F2,F3
   Water-Soluble Sulfate in Soil Exposure noted thus: S0,S1,S2,S3
   Permeability Requirements noted thus: W0,W1
   Corrosion Protection of Reinforcement noted thus: C0,C1,C2
   Refer to ACI 301/ACI 318 for specific requirements based on the exposure category indicated in the mix design table above.
6. Corrosion Protection of Reinforcement requirements (C0,C1,C2):
   Maximum water-soluble choride ion (CL-) content in concrete, by % weight of cement:
   Reinforced Concrete: C0 = 1.0 C1 = 0.3 C2 = 0.15
   Prestressed Concrete: C0 = 0.06 C1 = 0.06 C2 = 0.06
7. Where concrete is exposed to F3 freeze thaw exposure, restrictions on maximum fly ash and/or other cementitious materials apply. Refer to Table 26.4.2.2(b) in ACI 318-14 for requirements.

REQUIRED CONCRETE COVER FOR NON-FIRE-RATED ASSEMBLIES

Assembly		Cover (in)
Concrete cast against & permanently exposed to earth		3
Concrete Exposed to Earth or Weather	#6-#18	2
	#5 and smaller	1 1/2
Concrete not Exposed to Earth or Weather	Walls, slabs #11 and smaller	3/4
	Columns, beams, girders	1 1/2

CONCRETE MATERIALS DESIGNATION

Material	Standard
Portland Cement	ASTM C150, Type I or Type II
Fly Ash	ASTM C618, Class C or F
Aggregate	ASTM C33
Water	Potable
Water Reducing Admixture	ASTM C494, Type A or Type D
High Range Water Reducing Admixture	ASTM C494, Type F or Type G
Accelerator Admixture	ASTM C494, Type C or Type E
Air Entraining Admixture	ASTM C260
Curing Compound	ASTM C309, Type I, Class A
Reinforcing Bars	ASTM A615-grade 60 (Specified Yield Strength = 60ksi)
Welded Reinforcing Bars	ASTM A706-grade 60 (Specified Yield Strength = 60ksi)
Vapor Retarder below SOG	ASTM E1745-Class A

NOTES:

1. Type III Portland cement may be used if acceptable to the Architect.

CONCRETE REINFORCING DOWEL EMBEDMENT LENGTHS

Concrete Compression Strength	Tension Dowels		Compression Dowels
	Standard Hook	Other	
3000psi	22*db	Note 1	22*db
4000psi	19*db	Note 1	19*db
5000psi	17*db	Note 1	18*db

NOTES:

1. Refer to "Concrete Reinforcing Tension contact Lap Splice Lengths" table for tension dowels without standard hooks. Values for Class A tension splices are permitted to be used.
2. Embedment length shall not be less than 12 inches.
3. db is bar diameter.
4. Compression dowel embedment lengths are permitted only when dowel is noted in drawings as compression, otherwise use tension embedment length.
5. Extend dowels to far edge of member UNO.

SPECIAL INSPECTION

1. Special inspection and testing shall be performed as required by the local jurisdiction, the building code and the construction documents. See quality assurance section of the general notes.
2. Coordinate and schedule inspection and testing prior to the start of work requiring inspection and testing while providing special inspector reasonable notice.
3. All deficiencies shall be corrected for acceptance by the testing agency.
4. Inspections performed by the local jurisdiction do not replace inspection or testing required by the owners testing agency.
5. Special inspection and testing is required for the items shown in the special inspections and testing table.

SPECIAL INSPECTIONS AND TESTING

Category/Material	Component/Work	Class				
		1	2	3	4	5
Soils and Foundations	Footing Soil Bearing Material		X			
	Slab-on-Grade Subgrade Material		X			
	Compaction	X	X	X		
	Permanent Soil Retention Elements	X	X	X		
Cast-In-Place Concrete	Concrete special inspections not required per exceptions in IBC Section 1705.3.					
Structural Steel	Fabrication Facility				X	X
	Connection Erection and Assembly	X	X			
	Bolts in Snug Tight Joints	X	X			
	Pretensioned and Slip Critical Bolts/Joints Using Turn-of-Nut with Matchmarking, DTI Washers, or twist-off-type TC bolts	X	X			
	Pretensioned and Slip Critical Bolts/Joints Using Turn-of-Nut without Matchmarking or Calibrated Wrench Methods of Installation	X	X	X		
	All Welds other than Complete Joint Penetrations Groove Welds	X	X			X
	Complete Penetration Groove Welds	X	X	X		X

NOTES:

1. Special inspection and testing are to conform to chapter 17 of the IBC and the local building department.
2. Unless noted as continuous inspection, all inspections are periodic. Periodic inspection is defined as part-time or intermittent inspection of the work. It is the Special Inspector's responsibility to determine and coordinate the frequency and duration of the inspection relative to the Contractor's schedule and sequencing of the work in order to meet the inspection and reporting requirements.
3. Class 1: Inspection verification of size, location, quantity, and tolerance.
4. Class 2: Inspection and testing verification of strength, grade, classification, quality, density, proportions, and manufacturers certified test reports.
5. Class 3: Continuous inspection and verification of operations and conditions.
6. Class 4: Audit and inspection of fabrication facility's quality control program, and collection of facilities records during the course of fabrication for Class 2 and 3 inspections and testing.
7. Class 5: Verification of certifications.

NOTES SPECIFIC TO STRUCTURAL STEEL SPECIAL INSPECTIONS:

1. Special inspection and testing shall conform to all requirements of AISC 360 Ch. N, unless noted otherwise.
2. Special inspection shall be required for all shop fabricated members, unless the fabrication facility has been approved to perform such work without special inspection by an approved agency.
3. Special inspection and testing of welding shall conform to Tables N5.4-1, N5.4-2, and N5.4-3. 100% of all CJP groove welds shall be tested by approved nondestructive test methods (NDT). Where the fabricator performs the NDT, the special inspector shall review the fabricator's NDT reports.
4. Special inspection and testing of high-strength bolting shall conform to Tables N5.6-1, N5.6-2, and N5.6-3.
5. Special inspector shall inspect exposed cut surfaces and corners of HSS members for cracks after galvanizing.

STRUCTURAL STEEL (HIGH SEISMIC)

GENERAL:

1. All structural steel work shall conform to AISC 360 and tolerances shall conform to AISC 303 unless noted otherwise. Structural Steel that is part of the Seismic Force Resisting System (SFRS) shall conform to AISC 341. Contractor shall keep a copy of these references on site at all times.
2. Materials – See Steel Materials Table
3. Qualifications - Fabricator and Erector shall be experienced in fabrication and erection of projects of similar size and complexity.

TESTING:

1. Tests and inspections shall be performed in compliance with AISC 360, AISC341, and Chapter 17 of the IBC. Inspections include welding, high strength bolting, anchor rod placement, proper use of joint details, fabricated steel, and erected steel frame. Testing includes UT of full penetration welds, bolt tensioning procedures, and shear stud bend tests.
2. See "Special Inspections and Testing" Table.

SUBMITTALS:

1. Submittals shall conform to AISC 360 and AISC 341 for members designated as part of the SFRS.
2. Submittals for structural steel shall include: Erection and Shop drawings and mill test reports.
3. Erection drawings shall include plan drawings at 1/8"=1'-0" minimum scale complete with sections, elevations, and details as required to properly erect the structural steel frame. For structural steel that is part of the SFRS, erection drawings shall include all information required by AISC 341 Chapter 1.
4. Shop drawings shall include piece drawings which indicate cuts, connections, camber, holes, welds, and dimensions as required for fabrication of the members. Part drawings are not required to be submitted unless specifically requested. For structural steel that is part of the SFRS, shop drawings shall include all information required by AISC 341 Chapter 1, and shall include part drawings of all gusset plates.

CONNECTIONS:

1. Engineer of Record (EOR) has designed all connections. If a connection design is inadvertently omitted from contract documents the contractor shall request specific connection design from the EOR.
2. Connection Design Forces: Unfactored ASD values Simple Beam Connections: Select connections with capacities equal to or greater than beam reactions shown on the drawings. Single sided connections shall be detailed to use the maximum number of bolt rows that can fit into the supported beam web. Double sided connections shall be detailed such that the angle or bent plate length is at least 60% of the supported beam "T" dimension.
3. HSS Cap Plates: Provide 1/4" cap plates at top of all HSS columns, uno.
4. Unframed end of wide flange beams: At the end of wide flange beams without incoming framing or other means of restraint of rotation of the beam, provide a pair of 3/8" full depth stiffeners or a 3/8" full depth end plate at the end of the beam.

BOLTS:

1. Where indicated on the drawings as slip critical and where oversized or long-slotted holes are utilized in shear bolted joints shall be slip critical. Faying surfaces shall be prepared to meet the requirements of a Class A surface, and bolts shall be installed to the Fully Tensioned condition.
2. Where bolts are subject to non-static loading, are utilized to interconnect parts of a built up compression member, or all Group B fasteners loaded in tension shall be installed to the fully tensioned condition.
3. Bolts not subject to the requirements for slip critical connections and not required to be fully tensioned may be installed to the snug-tight condition
4. A307 bolts may be used only where indicated.

WELDS:

1. Weld Electrodes: E70, 70ksi unless noted otherwise.
2. Fillet Welds: size as indicated, but not less than AISC minimum size.
3. Groove Welds: full penetration unless noted otherwise.
4. Welds are continuous unless noted otherwise.

COLUMN BASE PLATES:

1. Provide flowable grout with a minimum compressive strength tested in accordance with ASTM C109 to achieve a strength of 3,000 psi after one day and the minimum of two times the concrete strength that the base plate is bearing on or 8,000 psi after 28 days.
2. Grout shall show a minimum positive expansion of 0.03% when tested in accordance with ASTM C827.
3. For base plates greater than 21" in length, provide a single 3" diameter witness hole near the center of the plate.
4. Trim grout to 45 degrees where bearing surface allows. Finish vertical when edge of bearing surface aligns with edge of bearing plate.
5. Grout column bases prior to pouring any elevated slab on deck.

SHOP CLEANING AND PAINTING:

1. Uncoated Steel: All steel not specifically indicated as painted steel, steel to receive spray-on-fireproofing or to be galvanized, and faying surfaces of slip critical connections shall be uncoated. Prepare surface per SSPC-SP1.
2. Primed Steel: Steel indicated to painted, with no specific paint requirements stated, shall have the surface prepared per SSPC-SP2 minimum and receive one coat of fabricator's standard rust-inhibitive primer paint applied to a minimum dry-film thickness of 1 mil.
3. Galvanized Steel: Steel indicated to be galvanized shall be cleaned, prepared, and galvanized in accordance with ASTM A123. Repair minor defects, damaged areas, and welded joints in accordance with ASTM A780. Provide vent holes as required in tube members. Provide vent hole plugs at all vertically oriented tubes.
4. Other specified coatings: where indicated on the drawings, provide specified coating system as indicated. Clean and prepare steel as required by the specification or coating manufacture.

ERECTION:

1. No final bolting or welding shall be performed until as much of the structure which will be stiffened thereby has been properly aligned.
2. Field correction of fabrication or other errors will be permitted only when approved by the EOR. Finish gas-cut sections in accordance with AWS D1.1.

CONCRETE REINFORCING TENSION CONTACT SPLICE LENGTHS FOR CONCRETE COMPRESSION STRENGTH 4000 AND HIGHER PSI

Bar Size	Lap Class	Top Bars	Other Bars
#3	A	19"	14"
	B	24"	19"
#4	A	25"	19"
	B	32"	25"
#5	A	32"	24"
	B	40"	31"
#6	A	37"	29"
	B	48"	37"
#7	A	54"	42"
	B	70"	54"

NOTES:

1. The table above is for concrete compression strength of 4000psi and Case #1 reinforcement.
2. The table above is for Case #1 reinforcement with clear spacing greater than 2*db AND cover greater than or equal to db.
3. Top bars are horizontal reinforcement placed such that more than 12 inches of fresh concrete is cast below the development length or splice. All tension splices shall be class B splices unless noted otherwise.
4. Other bars are reinforcement other than Top bars.

STEEL MATERIALS DESIGNATION

Material	Standard
W and WT Sections	ASTM A992 (50ksi) or ASTM A572 Gr. 50 (50ksi)
M, S, C, MC, L, MT, ST Sections	ASTM A36 (36ksi)
Rectangular HSS	ASTM A500 Gr. C (50ksi)
Plates, Bars, and Threaded Rod - typical - when noted as 50ksi	 ASTM A36 (36ksi) ASTM A572 Gr. 50 (50ksi)
Anchor Rods	ASTM F1554 Gr. 55 w/ Supplement S1
Bolts - typical - where indicated as A307	 ASTM F3125 Grade A325 or F1852 ASTM A307 Gr. A
Nuts	ASTM A563, Heavy Hex
Washers	ASTM F436, except plate washers to be ASTM A36
Direct-Tension-Indicator Washers	ASTM F959
Headed Stud Anchors	ASTM A108/A29
All Threaded Rod and Threaded Studs, UNO	ASTM A36
High Strength Threaded Studs	ASTM A29 or A572
Weld Electrodes	E70 (70ksi)

BOLT GRADES

Standard	Bolt Size, Joint Type and Designation on Drawings
3/4"ø Bolt, ASTM F3125 Grade A325 or F1852	3/4"ø A325 Bolt
3/4"ø Bolt, ASTM F3125 Grade A325 or F1852 with Class A Faying Surface and Bolt tightened to Slip Critical	3/4"ø A325 SC-A Bolt
3/4"ø Bolt, ASTM F3125 Grade A325 or F1852 with Class A Faying Surface and Bolt tightened to Slip Critical	3/4"ø A325 SC-A Bolt
1/2"ø or 3/4"ø Bolt, ASTM A307 Gr. A	1/2"ø or 3/4"ø A307 Bolt

NOTES:

1. Reference plan, details, and connection tables for bolt size and joint type.
2. All bolts are snug tight, unless indicated on plan or details as slip critical or fully tensioned.
3. Holes may be short slotted transverse to applied load, unless plans, details, or connection tables indicate a standard or oversize hole.
4. Where bolts are indicated as slip critical or fully tensioned, pretension bolt as defined by AISC 360, Table J.1.
5. Class A faying surfaces are unprimed surfaces or hot dip galvanized surfaces with hand wire brush roughening, as defined by AISC 360.
6. Class B faying surfaces are blast cleaned surfaces as defined by AISC 360.
7. Bolted connections to follow all requirements indicated in the Specification for Structural Joints Using High Strength Bolts (RCSC).

PROSPECT STUDIO
4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

KL&A
Engineers & Builders
1717 Washington Avenue, Suite 100
Golden, Colorado 80401
P: (303) 384 9910 F: (303) 384 9915
Buffalo, WY ○ Carbondale, CO ○ Golden, CO ○ Loveland, CO

Revisions

No.	Issued For	Issue Date
1	Permit Set	04.08.2021

Casita Magee

Teton Village, Wy

Project No. : 20657 Drawn: SYE
Scale: 12" = 1'-0" Checked: RLH

Sheet Title:
GENERAL NOTES

Sheet Number:
S101

8/31/2021 9:10:51 AM

THESE DRAWINGS ARE TO BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS ON THE PROJECT TO CLEARLY DEFINE ALL OF THE REQUIREMENTS FOR THE CONSTRUCTION. WHERE CONFLICTS OCCUR CONTACT ARCHITECT FOR CLARIFICATION.

THE STRUCTURAL ENGINEERS SEAL ON THIS DRAWING INDICATES THAT THE INFORMATION SHOWN AND THE CALCULATIONS PERTAINING TO THAT INFORMATION HAVE BEEN PREPARED BY QUALIFIED PEOPLE UNDER THE DIRECTION OF THE ENGINEER-OF-RECORD. THE SEAL DOES NOT IMPLY RESPONSIBILITY FOR INFORMATION PREPARED BY OTHERS NOR FOR ANY INFORMATION NOT SHOWN ON THIS DRAWING AND SUCH RESPONSIBILITY IS SPECIFICALLY DISCLAIMED. ON PHASED PROJECTS, DRAWINGS THAT ARE ISSUED BUT NOT SEALED SHALL BE CONSIDERED TO BE PRELIMINARY IN NATURE AND ARE ISSUED FOR INFORMATION ONLY.

WOOD FRAMING

GENERAL:

1. All wood construction work shall conform to ANSI/AF&PA NDS unless noted otherwise. Contractor shall keep a copy of these references on site at all times.
2. Materials – See Wood Materials Tables
3. Qualifications – Carpenter shall be experienced in construction of projects of similar size and complexity and shall be knowledgeable of conventional light frame construction practices and minimum nailing requirements of the IBC.

SUBMITTALS:

1. All submittals shall be reviewed by the Contractor prior to Engineer/Architect review and shall bear Contractor's review stamp. Contractor is responsible for reviewing submittals for conformance with all contract documents and coordination with all trades.
2. Submittals are required for the following wood framing elements: cross laminated timber.

PRODUCTS:

1. All wood framing shall be at a moisture content of 19% or less and shall be marked S-Dry (surface dried) or KD (kiln dried).
2. Unless noted otherwise, all sizes noted on these drawings are nominal. Actual sizes are based on "Minimum Dressed-Dry" dimensions according to American Softwood and Lumber Standard PS20-10. Members which the architect, engineer, or inspector judge to be misgraded shall be reinspected by a qualified lumber grader. Members which have permissible grade characteristics in such combination to affect the performance of the member are also subject to replacement at the discretion of the architect, engineer, or inspector.
3. Unless noted otherwise, all manufactured framing sizes are based on specified manufacturers published information.
4. See plan notes for wall framing material and spacing.
5. Wood I-joists: where framing members are noted TJI on the drawings, use engineered products by Weyerhaeuser or approved equal.
6. Structural Panels: Sheathing for roofs and walls shall conform to APA PS-2 standards. All panels shall be Exposure 1, unless noted otherwise.
7. Sills: Sill plates shall be pressure treated Douglas Fir-Larch stamped to show compliance with AWPA standards.
8. Wood stud wall framing elements including but not limited to top plates, sole plates, cripple studs, trimmers, and sills shall match stud member specification in [species and grade, product designation], unless noted otherwise.

CONNECTORS:

1. All bolts, metal connectors, hangers, anchors, and fasteners in contact with preservative treated wood shall be hot dipped galvanized G90 or G185 or stainless steel type 304 or 316.
2. Provide anchor bolts at the top of all foundation elements for attaching sill plates. See "Typical Wood Shear Walls - Nailing Schedule and Details" typical detail for shear wall anchor bolt size, spacing, and embedment. See "Typical Bearing Wall Elevation" typical detail for anchor bolt size, spacing, and embedment elsewhere.
3. J and L type bolts are allowed for anchorage of wood sills.
4. Provide plate washers at all shear wall anchor bolt connections to wall plates. See "Typical Wood Shear Walls - Nailing Schedule and Details" for more information.
5. Nailing shall conform to the minimum requirements contained in Table 2304.9.1 of the IBC unless more stringent requirements are shown on these drawings or in these notes.
6. All nails are to be steel common wire nails and conform to ASTM F1667.
7. Pre-drill nail holes when necessary to prevent splitting.
8. Steel plates for wood construction shall conform to ASTM A36.
9. Bolts shall conform to ASTM A307.
10. All exposed bolts in wood structure which are not in contact with preservative treated wood shall be plain, uncoated steel.
11. Holes for bolts shall be 1/16" oversized.
12. Retighten all bolts prior to closing in.
13. Lag screws shall penetrate the main member a minimum of eight times the shaft diameter unless noted otherwise.
14. Diagonal (toe-nail) lag screws shall be installed with a minimum edge distance of four times the shaft diameter.

INSTALLATION:

1. Where hidden in a wall, at Contractor's option, wood columns may be built-up from 2x laminations. See "Typical Stud Pack Nailing" typical detail for nailing. Do not splice laminations.
2. Truss rods and connections shall be tightened after installation and leveling.
3. At roofs and floors, lay panels with long dimension perpendicular to supports with short edges staggered.
4. See plan notes for roof and floor sheathing nailing requirements.
5. See plans for areas of special blocking and nailing.
6. See plan notes for vertical sheathing nailing requirements.
7. Where shear walls are noted on the plans, the sheathing is used as part of the lateral load resisting system. See typical details for attachment of sheathing to supports for wood structural panel shear walls.
8. All panel edges within the extent of the shear wall shall be blocked with flat 2x4 blocking.

FRAMING TOLERANCES:

1. Layout of walls and partitions: within 1/4" of intended position.
2. Plates and runners: 1/4" in 8' from a straight line.
3. Studs: 1/4" in 8' out of plumb, not cumulative.
4. Face of framing: 1/4" in 8' from a true plane.

CROSS LAMINATED TIMBER

GENERAL:

1. All cross laminated timber CLT work shall conform to ANSI/APA PRG 320-2018.
2. Materials – See Steel Materials Table
3. Qualifications - Panel Fabricator and Erector shall be experienced in fabrication and erection of projects of similar size and complexity.

SUBMITTALS:

1. Submittals for cross laminated timber shall include erection drawings, shop drawings, and manufacturers product data and certificates.
2. Erection drawings shall include plan drawings at 1/8"=1'-0" minimum scale complete with sections, elevations, and details as required to properly erect the cross laminated timber panels.
3. Shop drawings shall include piece drawings which indicate cuts, copes, blocks, connections, holes, and dimensions as required for fabrication of the panels.
4. Shop drawings shall include structural steel material used to connect cross laminated timber panels together or to connect cross laminated timber panels to supporting members. Structural steel assemblies should be test fit in the shop by the CLT supplier.
5. Fabrication of CLT panels shall start only after review of submittals by the General Contractor, Architect, and Engineer of Record (EOR).

PRODUCTS:

1. CLT Panels shall have a moisture content of not greater than 12%.

APPEARANCE AND FINISH:

1. Panel appearances and finishes shall be in accordance with architectural requirements.

CONNECTORS:

1. Steel plates shall conform to ASTM A36.
2. Bolts shall conform to A307.
3. Provide standard oversize washers on all bolts and nuts bearing against CLT.

ERECTION:

1. Anchor points for erection straps shall have 3 1/2" minimum end/edge distance.
2. Provide protection for the panels during transportation, storage, and erection. Store CLT panels off the ground.
3. Where CLT panels abut concrete or masonry, provide a moisture barrier.

COMMON NAIL DIMENSIONS

Common Nail (Steel Wire)	Minimum Diameter (in)	Minimum Length (in)
8d	0.131	2 1/2
10d	0.148	3
12d	0.148	3 1/4
16d	0.162	3 1/2

DESIGN VALUES FOR DIMENSIONAL LUMBER

Species & Grade	Flexural Stress	Compressive Stress	Horizontal Shear Stress	Modulus of Elasticity
DOUGLAS FIR-LARCH (DFL)				
Select Strucutral	1,500 psi	1,700 psi	180 psi	1,900 ksi
No1	1,000 psi	1,500 psi	180 psi	1,700 ksi
No2	900 psi	1,350 psi	180 psi	1,600 ksi
Stud	700 psi	850 psi	180 psi	1,400 ksi

DESIGN VALUES FOR MANUFACTURED LUMBER

Type - E	Flexural Stress	Compressive Stress	Tensile Stress	Compressive Stress Perp	Horiz Shear Stress	Modulus of Elasticity
LAMINATED STRAND LUMBER (LSL)						
2x4 and 2x6 Studs - 1.3E	1,700 psi	1,400 psi	1,075 psi	435 psi	400 psi	1,300 ksi
2x8 Studs - 1.5E	2,250 psi	1,950 psi	1,500 psi	475 psi	400 psi	1,500 ksi
Headers and Beams - 1.55E	2,325 psi	1,350 psi	1,070 psi	800 psi	310 psi	1,550 ksi
LAMINATED VENEER LUMBER (LVL)						
Headers and Beams - 2.0E	2,600 psi	2,510 psi	1,555 psi	750 psi	285 psi	2,000 ksi

WOOD STRUCTURAL PANEL REQUIREMENTS

Supporting Element	APA Span Rating	Minimum Thickness
Roof over Rafters	48/24	23/32"
Floors (Sturd-I T&G)	24 OC Single Floor	23/32"
Walls	32/16	15/32"
Shear Walls	32/16	15/32"

ASD MINIMUM CAPACITIES FOR CLT PANELS

Type	Assumed Self Weight (psf)	Major Strength Direction				Minor Strength Direction			
		$F_bS_{eff,0}$ (lbf-ft/ft)	$EI_{eff,0}$ (10^6 lbf-in^2/ft)	$GA_{eff,0}$ (10^6 lbf/ft)	$V_{s,0}$ (lbf/ft)	$F_bS_{eff,90}$ (lbf-ft/ft)	$EI_{eff,90}$ (10^6 lbf-in^2/ft)	$GA_{eff,90}$ (10^6 lbf/ft)	$V_{s,90}$ (lbf/ft)
5 Ply	17	4150	286	0.83	2480	2120	74	0.83	1490

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

KL&A
Engineers & Builders
1717 Washington Avenue, Suite 100
Golden, Colorado 80401
P: (303) 384 9910 F: (303) 384 9915
Buffalo, WY ○ Carbondale, CO ○ Golden, CO ○ Loveland, CO

Revisions

No.	Issued For	Issue Date
1	Permit Set	04.08.2021

Casita Magee

Teton Village, Wy

Project No. : 20657 | Drawn: SYE

Scale: 12" = 1'-0" | Checked: RLH

Sheet Title:

GENERAL NOTES

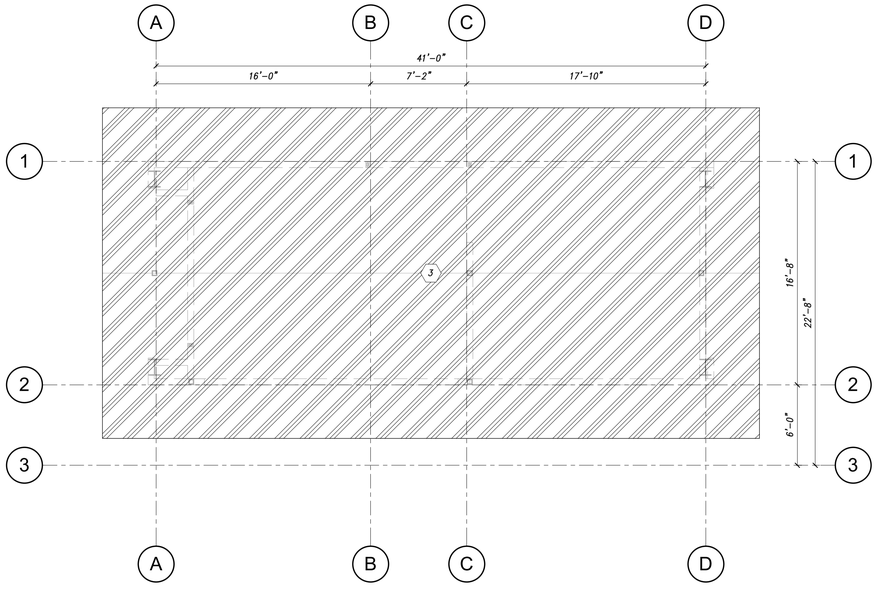
Sheet Number:

S102

8/31/2021 9:10:52 AM

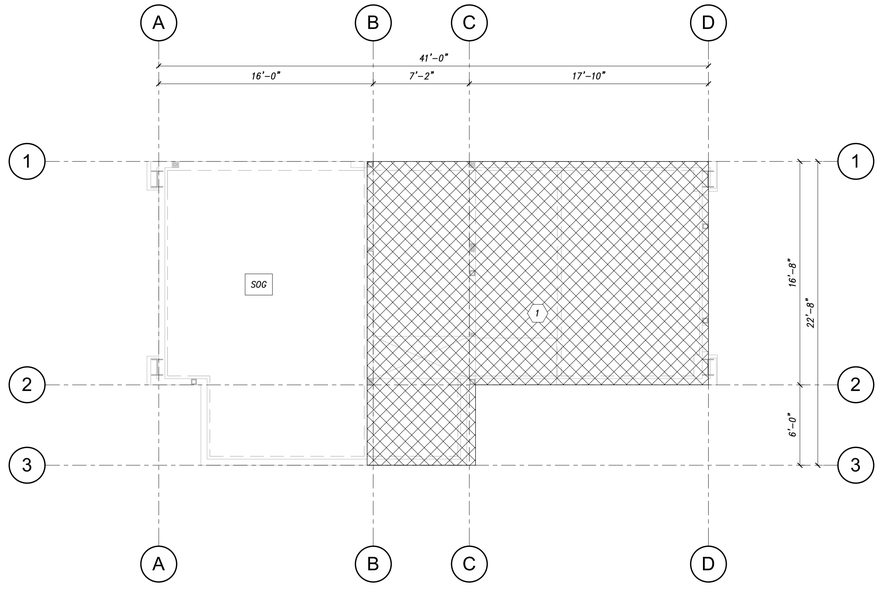
THESE DRAWINGS ARE TO BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS ON THE PROJECT TO CLEARLY DEFINE ALL OF THE REQUIREMENTS FOR THE CONSTRUCTION. WHERE CONFLICTS OCCUR CONTACT ARCHITECT FOR CLARIFICATION.

THE STRUCTURAL ENGINEERS SEAL ON THIS DRAWING INDICATES THAT THE INFORMATION SHOWN AND THE CALCULATIONS PERTAINING TO THAT INFORMATION HAVE BEEN PREPARED BY QUALIFIED PEOPLE UNDER THE DIRECTION OF THE ENGINEER-OF-RECORD. THE SEAL DOES NOT IMPLY RESPONSIBILITY FOR INFORMATION PREPARED BY OTHERS NOR FOR ANY INFORMATION NOT SHOWN ON THIS DRAWING AND SUCH RESPONSIBILITY IS SPECIFICALLY DISCLAIMED. ON PHASED PROJECTS, DRAWINGS THAT ARE ISSUED BUT NOT SEALED SHALL BE CONSIDERED TO BE PRELIMINARY IN NATURE AND ARE ISSUED FOR INFORMATION ONLY.



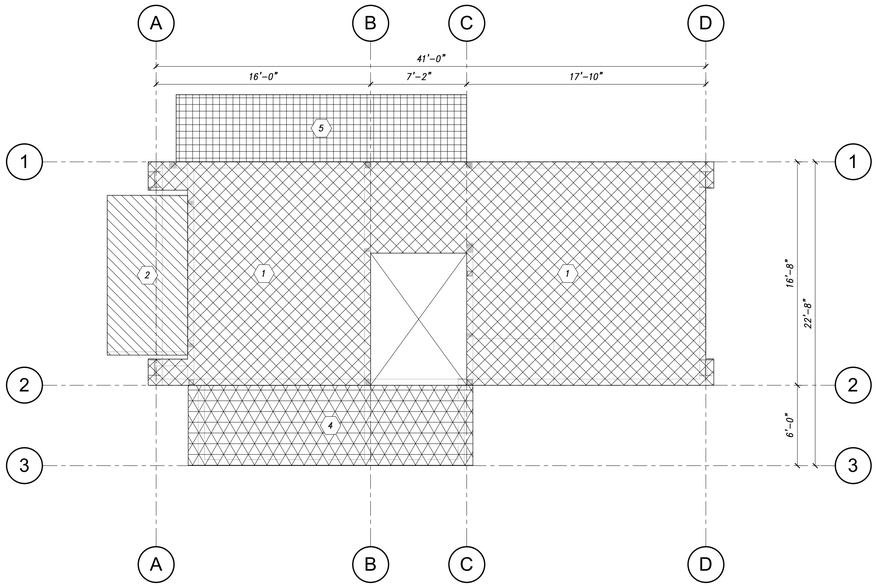
3 ROOF LEVEL LOAD KEY

3/16" = 1'-0"



1 GROUND FLOOR LOAD KEY

3/16" = 1'-0"



2 SECOND FLOOR LOAD KEY

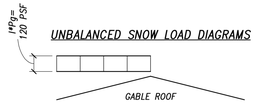
3/16" = 1'-0"

LOAD KEY LEGEND							
LOAD AREA	PATTERN	SELF WEIGHT (psf)	SUPERIMPOSED LOADS			DESCRIPTION OF LOAD	NOTES
			DEAD LOAD (psf)	LIVE LOAD (psf)	SNOW LOAD (psf)		
1		5	30	40	--	TYPICAL RESIDENTIAL FLOOR	--
2		5	15	60	100	BALCONY	SEE NOTE 1 & 2
3		15	15	20	84	HIGH ROOF	SEE NOTE 2
4		5	20	20	120	LOW ROOF	SEE NOTE 1 & 2
5		5	15	20	135	CANOPY	SEE NOTE 1 & 2

NOTES:

1. DRIFTING SNOW LOADS ARE INCLUDED IN SNOW LOADS.
2. ROOF LIVE AND SNOW LOADS DO NOT ACT CONCURRENTLY.

UNBALANCED SNOW LOAD DIAGRAMS



8/31/2021 9:10:53 AM

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

KL&A
Engineers & Builders
1717 Washington Avenue, Suite 100
Golden, Colorado 80401
P: (303) 384 9910 F: (303) 384 9915
Buffalo, WY ○ Carbondale, CO ○ Golden, CO ○ Loveland, CO

Revisions

No.	Issued For	Issue Date
1	Permit Set	04.08.2021

Casita Magee

Teton Village, Wy

Project No. : 20657 Drawn: SYE

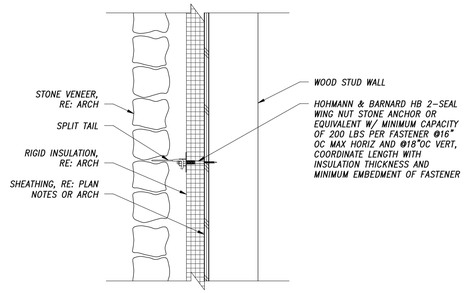
Scale: As indicated Checked: RLH

Sheet Title:

LOAD KEYS

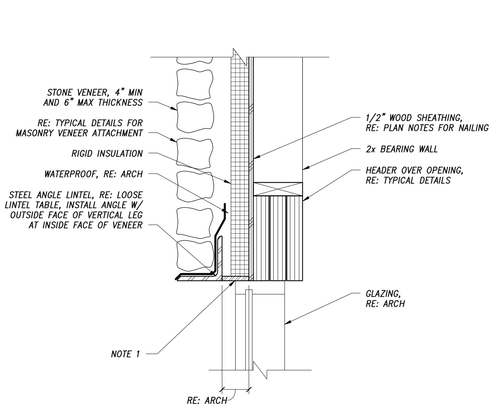
Sheet Number:

S110



8 TYPICAL STONE VENEER ATTACHMENT WITH RIGID INSULATION

NTS

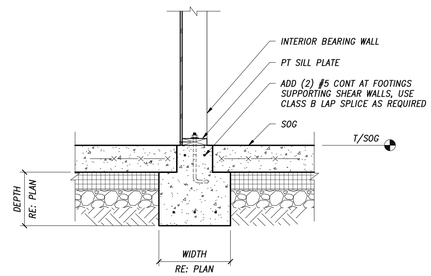


LOOSE LINTEL TABLE – STONE VENEER		
THIS TABLE IS FOR 6" MAXIMUM STONE VENEER ONLY		
MASONRY OPENING WIDTH	ANGLE SIZE	MINIMUM BEARING EACH END
≤ 6'–0"	L4x4x1/4	6"
≤ 7'–0"	L4x4x3/8	6"
≤ 8'–0"	L5x3 1/2x5/16 (LLV)	6"
≤ 9'–0"	L6x4x5/16 (LLV)	6"
≤ 10'–0"	L7x4x3/8 (LLV)	8"
> 10'–0"	CONTACT STRUCTURAL ENGINEER	

NOTES:
1. WHERE ARCHITECTURAL ASSEMBLIES REQUIRE STEEL CLOSURE BETWEEN BACKUP AND INTERIOR FACE OF VENEER, PROVIDE PLATE AS SHOWN, THICKNESS TO MATCH HORIZONTAL LEG OF ANGLE, WIDTH PER ARCHITECTURAL DRAWINGS.
2. USE ABOVE ANGLE SIZES AT ALL MASONRY OPENINGS EXCEPT WHERE DETAILED OTHERWISE.
3. RE: ARCHITECTURAL AND MECHANCIAL DRAWINGS FOR LOCATIONS AND SIZES OF MASONRY OPENINGS.
4. ALL ANGLES ARE GALVANIZED UNLESS NOTED OTHERWISE.
5. LLV = LONG LEG VERTICAL, SLV = SHORT LEG VERTICAL

7 TYPICAL LOOSE LINTEL TABLE AND DETAIL

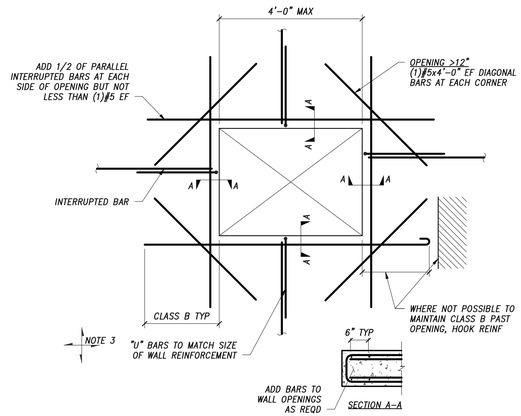
NTS



ALTERNATE DETAIL CONTRACTOR'S OPTION

6 INTERIOR BEARING WALLS AT SLAB-ON-GRADE

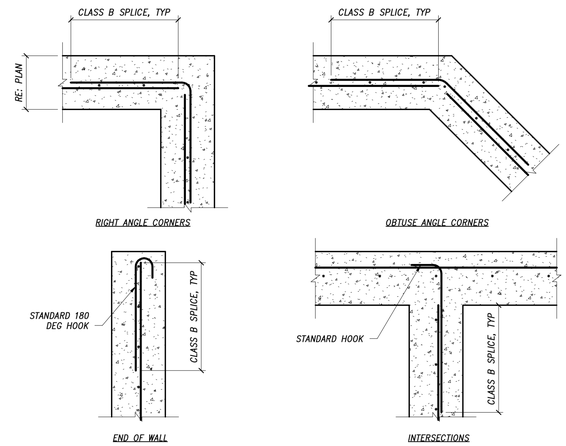
NTS



NOTES:
1. RE: WALL ELEVATIONS OR PLANS FOR REINFORCEMENT AT LARGER OPENINGS.
2. CLUSTERS OF SMALL HOLES WHOSE OVERALL MEASUREMENT EXCEEDS 1'–0" SHOULD BE REINFORCED AS ONE OPENING.
3. WALLS CAN SPAN IN EITHER DIRECTION.
4. FOR SINGLE MESH WALLS CENTER REINF IN WALL & HOOK BARS AROUND OPENING W/ 180 DEG HOOK.

5 TYPICAL WALL OPENING REINFORCING

NTS

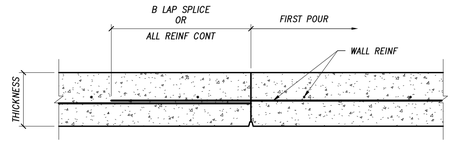


NOTES:
1. DOWELS AND CORNER BARS MATCH HORIZONTAL REINF EXCEPT USE #5 DOWELS & CORNER BARS FOR HORIZONTAL BARS #6 AND LARGER
2. SEQUENCING OF VERTICAL AND HORIZONTAL REINFORCING PER DETAILS CUT ON PLAN, UNO

4 TYPICAL WALL AND GRADE BEAM CORNER REINFORCING

NTS

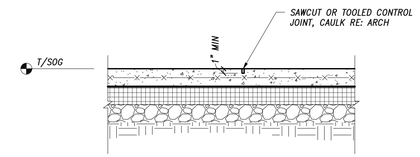
TYPICAL DETAIL SHEET NOTES
1. It is the contractor's responsibility to understand the typical details on this sheet and apply them as needed on the project.
2. Typical details on this sheet are generally not referenced from any other drawing on the project.
3. Typical details on this sheet MAY be referenced on plans or details to clarify or identify a particular condition. The presence of such a reference does not alter the obligation of the contractor to apply the detail(s) as needed even if they are not referenced.



NOTES:
1. LOCATION OF CONSTRUCTION JOINTS IN WALLS: SUPPORTED ON CONTINUOUS FOOTINGS AT CONTRACTOR OPTION.
2. LOCATE CONSTRUCTION JOINTS IN WALLS ACTING AS GRADE BEAMS AT POINT OF MINIMUM SHEAR, GENERALLY AT MIDDLE THIRD OF SPANS.

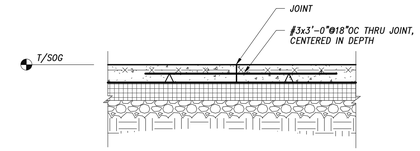
3 TYPICAL WALL CONSTRUCTION JOINT SINGLE MAT OF REINFORCING

NTS



NOTES:
1. SAWCUT CONTROL JOINT WITHIN 8 HOURS (MAX) OF PLACEMENT OR USE TOOLED JOINT DURING FINISHING (CONTRACTOR'S OPTION)
2. PROVIDE CONTROL JOINTS AT 15 FT OC EACH WAY MAXIMUM SPACING, UNO. CONSTRUCTION JOINTS CAN REPLACE CONTROL JOINTS.

TYPICAL SOG CONTROL JOINT

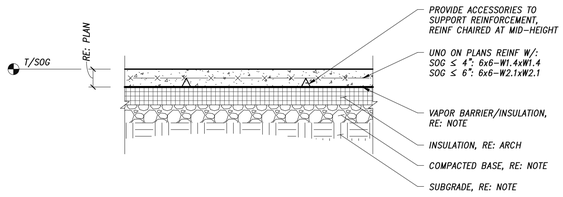


NOTES:
1. STOP REINF AT EACH SIDE OF CONSTRUCTION JOINT
2. PROVIDE CONTROL JOINTS AT 15 FT OC EACH WAY MAXIMUM SPACING, UNO. CONSTRUCTION JOINTS CAN REPLACE CONTROL JOINTS.
3. UNO AT GARAGES, REINFORCING PASSING THROUGH CONSTRUCTION JOINTS SHALL BE EPOXY COATED.

TYPICAL SOG CONSTRUCTION JOINT

2 TYPICAL SLAB-ON-GRADE JOINTING

NTS



NOTES:
1. RE: ARCH FOR VAPOR BARRIER AND INSULATION REQUIREMENTS. UNO RE: ARCH: PROVIDE VAPOR BARRIER BELOW SLABS WITH FLOOR FINISHES SUSCEPTIBLE TO MOISTURE.
2. SOG SHALL BEAR ON SUITABLE SUBGRADE MATERIAL AS SPECIFIED BY THE GEOTECHNICAL ENGINEER & GEOTECHNICAL REPORT.
3. PROVIDE MIN 4" FREE DRAINAGE COMPACTED BASE TYPICAL UNO BY GEOTECHNICAL ENGINEER & GEOTECHNICAL REPORT.

1 TYPICAL SLAB-ON-GRADE

NTS

PROSPECT STUDIO
4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

KL&A
Engineers & Builders
1717 Washington Avenue, Suite 100
Golden, Colorado 80401
P: (303) 384 9910 F: (303) 384 9915
Buffalo, WY ○ Carbondale, CO ○ Golden, CO ○ Loveland, CO

Revisions

No.	Issued For	Issue Date
1	Permit Set	04.08.2021

Casita Magee

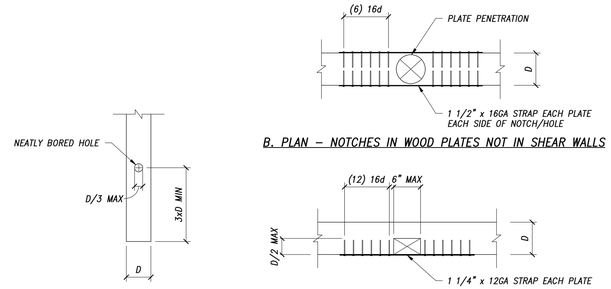
Teton Village, Wy

Project No. : 20657 — Drawn: SYE
Scale: As indicated — Checked: RLH

Sheet Title:
TYPICAL DETAILS

Sheet Number:
S120

8/31/2021 9:10:54 AM



A. SECTION – HOLES IN WOOD STUDS
(NOTCHES NOT PERMITTED IN STUDS)

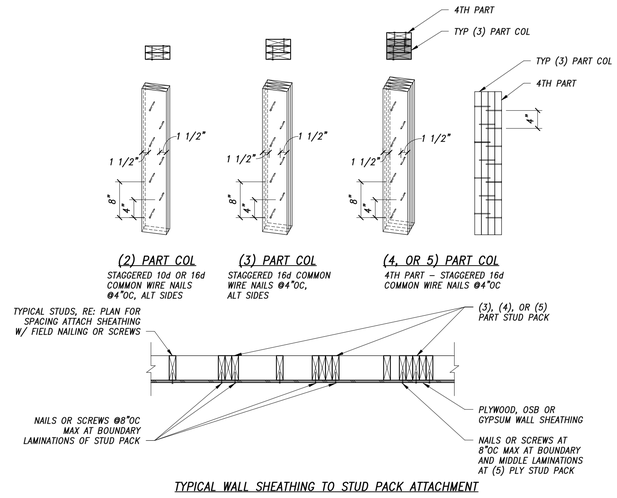
B. PLAN – NOTCHES IN WOOD PLATES NOT IN SHEAR WALLS

C. PLAN – NOTCHES IN WOOD PLATES AT SHEAR WALLS

D. SECTION –NOTCHES AND HOLES IN WOOD JOISTS AND RAFTERS
(APPLIES TO DIMENSIONAL LUMBER ONLY. FOR MANUFACTURED LUMBER OR WOOD I-JOIST RE: MANUFACTURER OR CONTACT ENGINEER)

4 TYPICAL REQUIREMENTS FOR HOLES AND NOTCHES IN WOOD MEMBERS

NTS



(2) PART COL
STAGGERED 10d OR 16d COMMON WIRE NAILS @4"OC, ALT SIDES

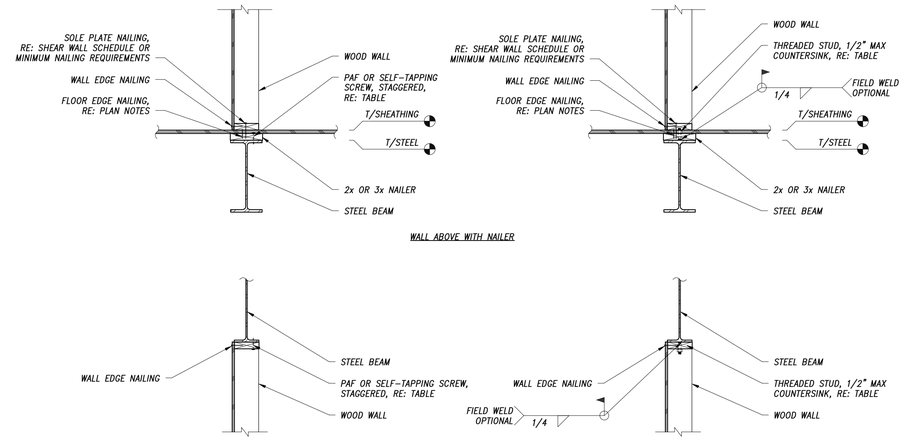
(3) PART COL
STAGGERED 16d COMMON WIRE NAILS @4"OC, ALT SIDES

(4, OR 5) PART COL
4TH PART – STAGGERED 16d COMMON WIRE NAILS @4"OC

TYPICAL WALL SHEATHING TO STUD PACK ATTACHMENT

2 TYPICAL STUD PACK NAILING

NTS



WALL ABOVE WITH NAILER

WALL BELOW

NAILER	ANCHOR	SPACING WHEN WOOD WALL ABOVE OR BELOW SEISMIC CONTROLLED			
		NON-SHEAR WALL	TYPE A SHEAR WALL	TYPE B SHEAR WALL	TYPE C SHEAR WALL
2x DFL	5/8"ϕ THREADED STUD	48"OC	36"OC	24"OC	12"OC
2x DFL	0.131"ϕ PAF	12"OC	6"OC	4"OC	(2)4"OC
2x DFL	0.145"ϕ PAF	16"OC	6"OC	4"OC	(2)4"OC
2x DFL	ϕ12 SELF-DRILLING SCREW	12"OC	6"OC	4"OC	(2)4"OC
3x DFL	5/8"ϕ THREADED STUD	48"OC	48"OC	32"OC	18"OC
3x DFL	0.131"ϕ PAF	12"OC	6"OC	4"OC	(2)4"OC
3x DFL	0.145"ϕ PAF	16"OC	6"OC	4"OC	(2)4"OC
3x DFL	ϕ12 SELF-DRILLING SCREW	18"OC	10"OC	6"OC	(2)6"OC

NOTES:
1. PAF AND SELF-TAPPING SCREW DIAMETERS ARE MINIMUMS AND MAY BE INCREASED AT CONTRACTOR'S OPTION.
2. CONTRACTOR TO VERIFY PAF LENGTH IS LONG ENOUGH TO PENETRATE THROUGH STEEL OR EMBED A MINIMUM OF 1/2" IN STEEL 3/4" AND THICKER.
3. ASSUMED SHEAR WALL ALLOWABLE CAPACITIES: TYPE A = 350 PLF, TYPE B = 600 PLF, AND TYPE C = 1200 PLF.
4. FRAMING TO STEEL BEAMS NOT SHOWN FOR CLARITY.
5. WHERE NAILER IS NEEDED WITHOUT A WALL ABOVE OR BELOW, USE "NON-SHEAR WALL" SPACING.

3 TYPICAL WALL ATTACHMENT TO STEEL BEAM

NTS

TYPICAL SHEAR TAB (SINGLE PLATE) CONNECTIONS – ASD (AISC 360-10)
BEAM TO COLUMN OR WIDE FLANGE GIRDER

3/4"ϕ A325N BOLTS E70XX ELECTRODES Fy=36 KSI TABS Fy=50 KSI BEAMS, GIRDERS, AND COLUMNS Fy=35 KSI PIPE

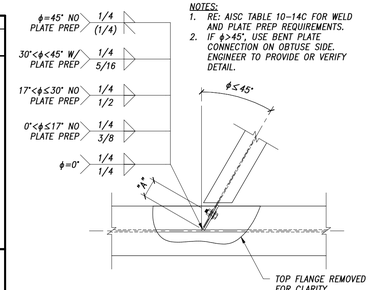
SHEAR TAB TO WF COLUMN
SIMILAR CONNECTION TO FACE OF HSS OR PIPE COLUMN

NOTE TO DETAILER:
OFFSET SHEAR TABS WHEN BEAMS ON OPPOSITE SIDES OF GIRDER ALIGN.

SHEAR TAB TO WF GIRDER

MEMBER DEPTH	ROWS OF BOLTS	MAX COPE DEPTH (in)	MAX COPE LENGTH (in)	CAPACITY (K)			
				"A"<=3"	"A"<=3 1/2"		"A"=5"
				NO COPE	SINGLE COPE	DOUBLE COPE	DOUBLE COPE
W8	2	1	4	13 (16)	12 (15)	5 (9)	5 (6)
W10	2	1.5	4	15 (16)	14 (15)	8 (12)	6
W12	3	1.5	4	29	26 (28)	15 (19)	13
W14	3	1.5	4	29	28	26	13
W16	4	1.5	5	42	41	33	23
W18	5	1.5	5	54	53	53	35
W21	6 *	1.5	5.5	59	56	56	47
W24	6 [7] *	2	6	59 [72]	56 [69]	56 [69]	47 [60]
W27	7 *	2	6	72	69	69	60
W30	8 *	2	7	84	82	82	73
W33	9 *	2.5	7	97	94	94	86
W36	10 *	2.5	7	109	105	105	99

NOTES:
1. CONNECTION CAPACITY MUST MEET OR EXCEED REACTION SHOWN ON PLAN. CONTACT STRUCTURAL ENGINEER FOR ALTERNATE CONNECTION WHEN TABLE VALUES ARE EXCEEDED.
2. VALUES IN (#) APPLY TO BEAM SIZES W8x15, W10x17, W12x19, AND HEAVIER.
3. VALUES IN [#] APPLY TO W24 W/ (7) BOLTS, USE (7) BOLTS WHERE LOAD INDICATED ON PLAN EXCEEDS CAPACITY OF (6) BOLT CONNECTION. (7) BOLT CONNECTION REQUIRES ENCROACHMENT OF BEAM FILLET (K).
4. CAPACITIES ARE BASED ON AISC 360-10, ALLOWABLE STRENGTH DESIGN (ASD).
5. HOLES IN SHEAR TAB FOR 5 ROWS OF BOLTS AND LESS MAY BE EITHER STANDARD OR SHORT-SLOT HOLES.
6. * INDICATES AT 6 ROWS OF BOLTS AND GREATER, HOLES IN SHEAR TAB ARE REQUIRED TO BE SHORT-SLOT HOLES OR SHEAR TAB THICKNESS SHALL BE REDUCED TO 5/16 THICKNESS WITH STANDARD HOLES.
7. WHERE SHEAR TAB CONNECTS TO HSS COLUMN, TABLE IS VALID FOR ALL HSS8x8 AND SMALLER. WHERE COLUMN WIDTH THAT SHEAR TAB CONNECTS TO EXCEEDS 8", b/t RATIO OF HSSS MUST BE LESS THAN 33. WHERE b/t RATIO EXCEEDS 33, USE A SINGLE ANGLE CONNECTION OR CONTACT STRUCTURAL ENGINEER FOR ALTERNATE CONNECTION.



NOTES:
1. RE: AISC TABLE 10-14C FOR WELD AND PLATE PREP REQUIREMENTS.
2. IF ϕ>45°, USE BENT PLATE CONNECTION ON OBTUSE SIDE. ENGINEER TO PROVIDE OR VERIFY DETAIL.

SKEWED SHEAR TAB DETAIL

1 TYPICAL SHEAR TAB CONNECTIONS

NTS

PROSPECT STUDIO
4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

KL&A
Engineers & Builders
1717 Washington Avenue, Suite 100
Golden, Colorado 80401
P: (303) 384 9910 F: (303) 384 9915
Buffalo, WY ○ Carbondale, CO ○ Golden, CO ○ Loveland, CO

Revisions

No.	Issued For	Issue Date
1	Permit Set	04.08.2021

Casita Magee

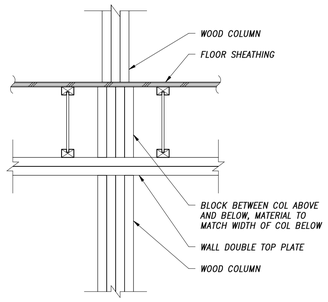
Teton Village, Wy

Project No. : 20657 Drawn: SYE
Scale: NTS Checked: RLH

Sheet Title:
TYPICAL DETAILS

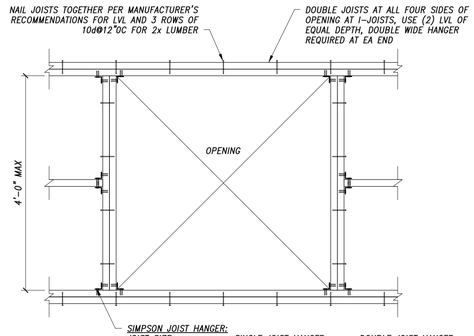
Sheet Number:
S121

8/31/2021 9:10:55 AM



8 COLUMN SQUASH BLOCK DETAIL

NTS



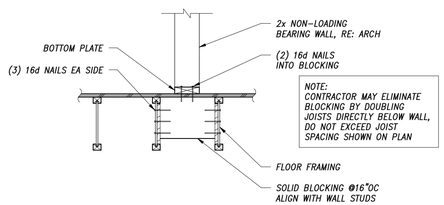
SIMPSON JOIST HANGER:

JOIST SIZE	SINGLE JOIST HANGER	DOUBLE JOIST HANGER
9 1/2" LVL	HUS1.81/10	HUS410
11 7/8" OR 14" LVL	HUS1.81/10	HUS412

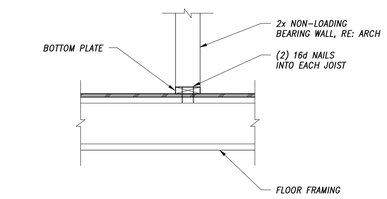
NOTE:
IF OPENING WIDTH IS GREATER THAN 4'-0",
RE: PLAN FOR FRAMING REQUIREMENTS

7 TYPICAL FLOOR OPENING FRAMING

NTS



JOIST PARALLEL TO WALL

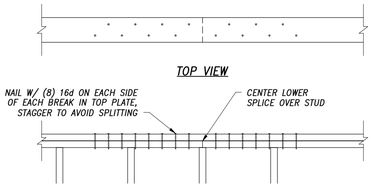


JOIST PERPENDICULAR TO WALL

TYPICAL NON-BEARING PARTITION WALL BASE SUPPORT

6

NTS

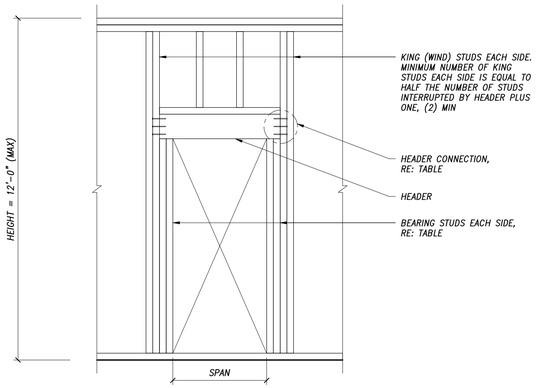


ELEVATION

NOTES:
1. NAILING APPLIES AT SPLICE OF BOTH UPPER AND LOWER TOP PLATES.
2. ALLOWABLE TENSION ACROSS SPLICE IS 3610 LB FOR DFL.
3. ALLOWABLE TENSION ACROSS SPLICE IS 3124 LB FOR HF/SPF.
4. TYPICAL NAILING AWAY FROM SPLICE IS 16d@16"OC.
5. 4'-0" MINIMUM SPACING BETWEEN SPLICES.
6. CODE REFERENCE: IBC 2015, TABLE 2304.10.1 & 2308.5.3.2

5 TYPICAL TOP PLATE SPLICE

NTS



ELEVATION

HEADERS IN LOAD BEARING WALLS

SPAN	DIMENSIONED LUMBER DOUGLAS-FIR	LSL ALTERNATES	LVL ALTERNATES	GLULAM ALTERNATES	NO OF BEARING STUDS EACH END	HDR CONNECTION
3'-0"	(3)2x8	(2)1 3/4"x5 1/2"	(2)1 3/4"x5 1/2"	3 1/2"x6"	1	(4)10d
4'-0"	(3)2x10	(3)1 3/4"x5 1/2"	(3)1 3/4"x5 1/2"	3 1/2"x6"	2	(4)10d
5'-0"	(3)2x12	(3)1 3/4"x7 1/4"	(2)1 3/4"x7 1/4"	3 1/2"x7 1/2"	2	(4)10d
6'-0"	N/A	(2)1 3/4"x9 1/4"	(3)1 3/4"x7 1/4"	3 1/2"x9"	2	(6)10d
7'-0"	N/A	(3)1 3/4"x9 1/4"	(3)1 3/4"x9 1/4"	3 1/2"x10 1/2"	3	(6)10d
8'-0"	N/A	(3)1 3/4"x11 1/4"	(3)1 3/4"x9 1/2"	3 1/2"x11 7/8"	3	(6)10d
9'-0"	N/A	(3)1 3/4"x11 7/8"	(3)1 3/4"x11 1/4"	3 1/2"x13 1/2"	3	(8)10d
10'-0"	N/A	(3)1 3/4"x14"	(3)1 3/4"x11 7/8"	3 1/2"x15"	4	(8)10d

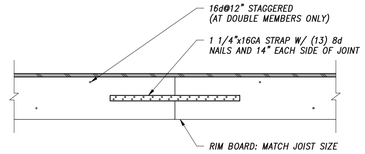
RECOMMENDED HEADERS IN INTERIOR NON-LOAD BEARING WALLS[10]

SPAN	DIMENSIONED LUMBER DOUGLAS-FIR	LSL ALTERNATES	LVL ALTERNATES	GLULAM ALTERNATES	NO OF BEARING STUDS EACH END	HDR CONNECTION
3'-0"	(2)2x4	(2)1 3/4"x5 1/2"	(2)1 3/4"x5 1/2"	3 1/2"x6"	1	(2)10d
4'-0"	(3)2x4	(2)1 3/4"x5 1/2"	(2)1 3/4"x5 1/2"	3 1/2"x6"	1	(2)10d
5'-0"	(2)2x6	(2)1 3/4"x5 1/2"	(2)1 3/4"x5 1/2"	3 1/2"x6"	1	(2)10d
6'-0"	(3)2x6	(2)1 3/4"x5 1/2"	(2)1 3/4"x5 1/2"	3 1/2"x6"	1	(2)10d
7'-0"	(2)2x8	(3)1 3/4"x5 1/2"	(3)1 3/4"x5 1/2"	3 1/2"x6"	1	(2)10d
8'-0"	(3)2x8	(2)1 3/4"x7 1/4"	(2)1 3/4"x7 1/4"	3 1/2"x7 1/2"	1	(2)10d
9'-0"	(3)2x10	(3)1 3/4"x7 1/4"	(2)1 3/4"x7 1/4"	3 1/2"x7 1/2"	1	(2)10d
10'-0"	(3)2x10	(2)1 3/4"x9 1/2"	(3)1 3/4"x7 1/4"	3 1/2"x7 1/2"	1	(2)10d

NOTES:
1. THIS TABLE APPLIES TO HEADERS WHICH ARE NOT EXPLICITLY CALLED OUT ON PLAN WITH SPANS OF 10'-0" OR LESS
2. HEADERS IN LOAD BEARING WALLS DESIGNED FOR 2000 PLF DEAD + LIVE LOAD.
3. HEADERS IN NON-LOAD BEARING WALLS DESIGNED FOR 400 PLF DEAD + LIVE LOAD.
4. DIMENSIONED LUMBER HEADERS TO BE DOUGLAS-FIR No2.
5. LVL = LAMINATED VENEER LUMBER: Fb = 2600 PSI, E = 2000 KSI
6. LSL = LAMINATED STRAND LUMBER: Fb = 2250 PSI, E = 1500 KSI
7. GLULAM GRADE IS 24F-V4 DF.
8. LIVE LOAD DEFLECTION CRITERIA IS L/360
9. HEADERS SUPPORTING POINT LOADS FROM BEAMS OR COLUMNS SHOULD NOT BE SIZED FROM THIS TABLE. NOTIFY STRUCTURAL ENGINEER.
10. RE: ARCH FOR LOCATIONS OF NON-LOAD BEARING WALLS.

4 TYPICAL WOOD HEADER TABLE

NTS

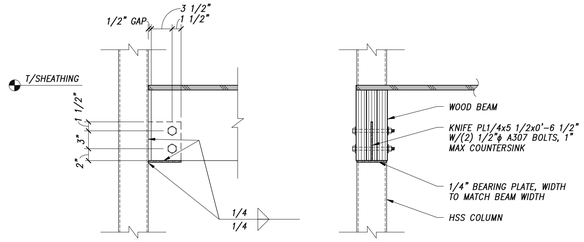


ELEVATION

NOTES:
1. STAGGER SPLICES 10'-0" (MIN).
2. WHERE PLAN CALLS FOR DOUBLE MEMBER USE SPLICE FOR BOTH.
3. ALLOWABLE TENSION THROUGH THE SPLICE IS 1705 LB.

3 TYPICAL RIM BOARD SPLICE

NTS



NOTES:
1. WOOD BEAM MAY BE SLOPED, RE: PLANS.
2. MULTIPLE CONNECTIONS MAY OCCUR, RE: PLANS.
3. MIN 1/4" WALL ON HSS

2 WOOD BEAM TO STEEL COLUMN CONNECTION

NTS

TYPICAL MINIMUM NAILING REQUIREMENTS
THIS DETAIL CONFORMS TO ALL IBC 2015 (AND OLDER) REQUIREMENTS

CONNECTION	COMMON NAILS	ALTERNATE OPTION
1. 1"x6" sheathing to each bearing or joist; face nail	(2) 8d	--
2. 1"x8" and wider sheathing to each bearing; face nail	(3) 8d	--
3. 2" subfloor to joist, girder, or blocking; blind and face nail	(2) 16d	--
4. Blocking between ceiling joists, rafters or trusses to top plate or other framing below; each end, toenail	(3) 8d	(3) 3"x0.131"ϕ
5. Blocking between rafters or truss to rafter or truss	(2) 8d toenail ea end or (2) 16d end nail	(2) 3"x0.131"ϕ toenail ea end or (3) 3"x0.131"ϕ end nail
6. Bottom plate to joist or blocking; face nail	16d@16"OC	3"x0.131"ϕ@12"OC
7. Top or bottom plate to stud; end nail	(2) 16d	(3) 3"x0.131"ϕ
8. Stud to top or bottom plate	(4) 8d toenail or (2) 16d end nail	(4) 3"x0.131"ϕ toenail or (3) 3"x0.131"ϕ end nail
9. Stud to stud; face nail	16d@24"OC	3"x0.131"ϕ@16"OC
10. Top plate to top plate; face nail	16d@16"OC	3"x0.131"ϕ@12"OC
11. Top plate to top plate at end joints; each side of end joint, face nail (min 24" lap splice length each side of end joint)	(8) 16d	(12) 3"x0.131"ϕ
12. Top plate laps at corners and intersections; face nail	(2) 16d	(3) 3"x0.131"ϕ
13. Rim joist or blocking to top plate, sill or other framing below; toenail	8d@6"OC	3"x0.131"ϕ@6"OC
14. Built-up header (2" to 2"); face nail	16d@16"OC each face	--
15. Continuous header to stud; toenail	(4) 8d	--
16. Ceiling joists to plate; toenail	(3) 8d	(3) 3"x0.131"ϕ
17. Ceiling joists not attached to parallel rafter, laps over partitions; face nail	(3) 16d	(4) 3"x0.131"ϕ
18. Ceiling joists attached to parallel rafter	RE: IBC Table 2308.7.3.1	
19. Joist at all bearings; toenail	(3) 8d	(3) 3"x0.131"ϕ
20. Joist to rim joist; end nail	(3) 16d	(4) 3"x0.131"ϕ
21. Rafter or roof truss to top plate; toenail	(3) 10d	(4) 3"x0.131"ϕ
22. Roof rafters to ridge valley or hip rafters, or roof rafter to 2" ridge beam	(2) 16d end nail or (3) 10d toenail	(3) 3"x0.131"ϕ end nail or (4) 3"x0.131"ϕ toenail
23. 1" brace to each stud and plate; face nail	(2) 8d	(2) 3"x0.131"ϕ
24. Built-up corner studs	16d@24"OC	3"x0.131"ϕ@12"OC
25. Built-up girder and beams		
Dimensional Lumber:	20d@32"OC at top and bottom and staggered (2) 20d at ends and at each splice	3"x0.131"ϕ@24"OC at top and bottom and staggered (3) 3"x0.131"ϕ at ends and at each splice
Manufactured Lumber:	As required by manufacturer but not less than nailing for Dimensional Lumber	
26. 2" planks; face nail	(2) 16d at each bearing	--
27. Bridging to joist		
Blocking between joists and rafters - To joists or rafters - Toenails each side, each end	(2) 8d	(2) 3"x0.131"ϕ
Blocking between studs, each end	(2) 16d end nail or (2) 10d toenail	(3) 3"x0.131"ϕ end nail or (2) 3"x0.131"ϕ toenail
28. Plywood Sheathing	At shear walls - RE: "Typical Wood Shear Walls - Nailing Schedule and Details" Other walls - RE: general or plan notes	

1 TYPICAL MINIMUM NAILING REQUIREMENTS

NTS

PROSPECT STUDIO
4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

KL&A
Engineers & Builders
1717 Washington Avenue, Suite 100
Golden, Colorado 80401
P: (303) 384 9910 F: (303) 384 9915
Buffalo, WY ○ Carbondale, CO ○ Golden, CO ○ Loveland, CO

Revisions

No.	Issued For	Issue Date
1	Permit Set	04.08.2021

Casita Magee

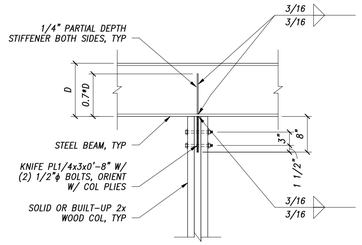
Teton Village, Wy

Project No. : 20657 Drawn: SYE
Scale: As indicated Checked: RLH

Sheet Title:
TYPICAL DETAILS

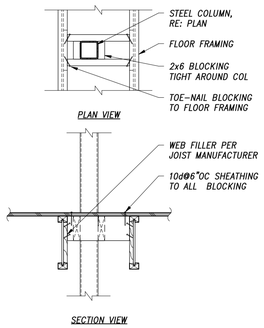
Sheet Number:
S122

8/31/2021 9:10:56 AM



6 STEEL BEAM ON WOOD COLUMN DETAIL

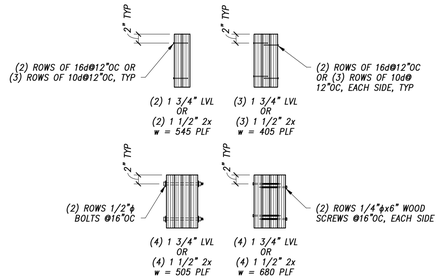
NTS



FLOOR BLOCKING AT CONTINUOUS STEEL COLUMN

5

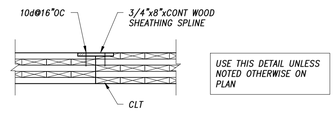
3/4" = 1'-0"



NOTES:
1. ALL MULTIPLE WOOD MEMBERS MUST BE FASTENED TOGETHER TO ACT AS A SINGLE UNIT.
2. LAMINATIONS SHALL BE CONTINUOUSLY GLUED WITH EXTERIOR GLUE.
3. LAMINATIONS SHALL BE DRY (LESS THAN 16% MOISTURE CONTENT) WHEN GLUED. DO NOT SPLICE LAMINATIONS.
4. WHERE FASTENERS TO BE INSTALLED ON BOTH SIDES, STAGGER BY 1/2 THE REQUIRED CONNECTOR SPACING.
5. PSL MATERIAL OF EQUAL CROSS-SECTIONAL DIMENSIONS MAY BE SUBSTITUTED FOR BUILT-UP LVL BEAMS.
6. 7" WIDE BEAMS SHOULD BE SIDE-LOADED ONLY WHEN LOADS ARE APPLIED TO BOTH SIDES OF THE MEMBERS (TO MINIMIZE ROTATION).
7. w = MAXIMUM UNIFORM LOAD APPLIED TO EITHER OUTSIDE MEMBER.

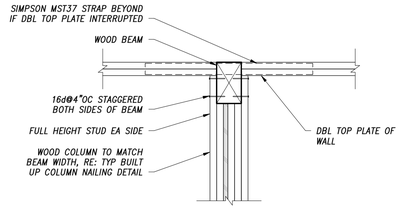
4 BUILT-UP WOOD BEAM DETAIL

NTS



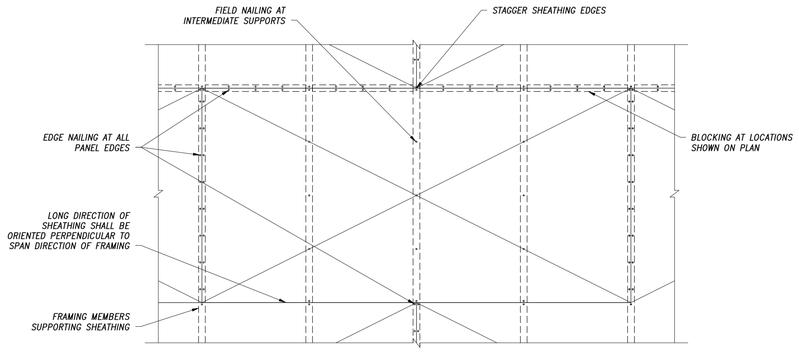
7 TYPICAL CLT PANEL CONNECTION

3/4" = 1'-0"



3 TYPICAL WOOD BEAM BEARING DETAIL

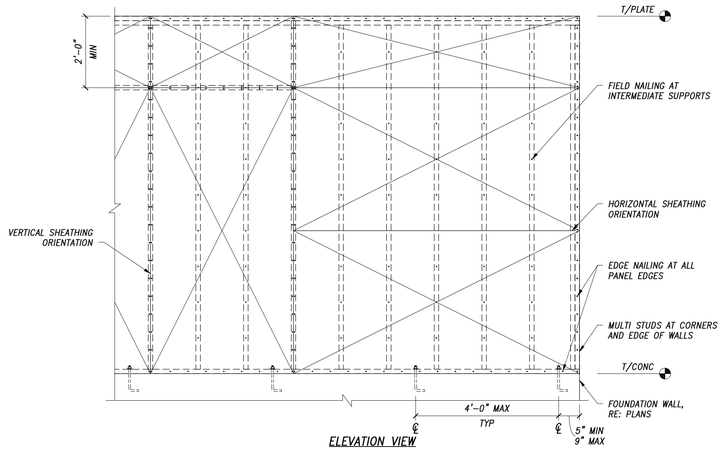
NTS



NOTES:
1. MINIMUM EDGE DISTANCE SHALL BE 3/8"
2. PANELS SHALL NOT BE LESS THAN 4'-0"x8'-0" EXCEPT AT BOUNDARIES AND CHANGES IN FRAMING WHERE MINIMUM PANEL DIMENSION SHALL BE 24" UNLESS ALL EDGES OF THE UNDERSIZED PANELS ARE SUPPORTED BY AND FASTENED TO FRAMING MEMBERS OR BLOCKING. ALL EDGES OF ALL PANELS SHALL BE SUPPORTED BY AND FASTENED TO FRAMING MEMBERS OR BLOCKING.
3. NAILS SHALL BE COMMON WIRE NAILS OR APPROVED EQUAL AND SHALL NOT BE OVERDRIVEN
4. RE: GENERAL NOTES AND PLANS FOR ADDITIONAL INFORMATION

2 TYPICAL FLOOR AND ROOF SHEATHING DIAGRAM

NTS



NOTES:
1. MINIMUM NAIL EDGE DISTANCE SHALL BE 3/8".
2. PANELS SHALL NOT BE LESS THAN 4'-0"x8'-0" EXCEPT AT BOUNDARIES AND CHANGES IN FRAMING. ALL EDGES OF ALL PANELS SHALL BE SUPPORTED BY AND FASTENED TO FRAMING MEMBERS OR BLOCKING.
3. NAILS SHALL BE COMMON WIRE NAILS OR APPROVED EQUAL AND SHALL NOT BE OVERDRIVEN.
4. SHEATHING MAY BE ORIENTED IN VERTICAL OR HORIZONTAL ORIENTATION
5. AT VERTICAL SHEATHING ORIENTATION, STUD SPACING SHALL NOT EXCEED 16" OC.
6. RE: GENERAL NOTES AND PLANS FOR ADDITIONAL INFORMATION.
7. RE: SHEAR WALL SCHEDULE FOR BLOCKING AT WALLS DESIGNATED AS SHEAR WALLS ON PLAN.

1 TYPICAL WALL SHEATHING DIAGRAM

NTS

PROSPECT STUDIO
4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

KL&A
Engineers & Builders
1717 Washington Avenue, Suite 100
Golden, Colorado 80401
P: (303) 384 9910 F: (303) 384 9915
Buffalo, WY ○ Carbondale, CO ○ Golden, CO ○ Loveland, CO

Revisions

No.	Issued For	Issue Date
1	Permit Set	04.08.2021

Casita Magee

Teton Village, Wy

Project No. : 20657 Drawn: SYE

Scale: As indicated Checked: RLH

Sheet Title:

TYPICAL DETAILS

Sheet Number:

S123

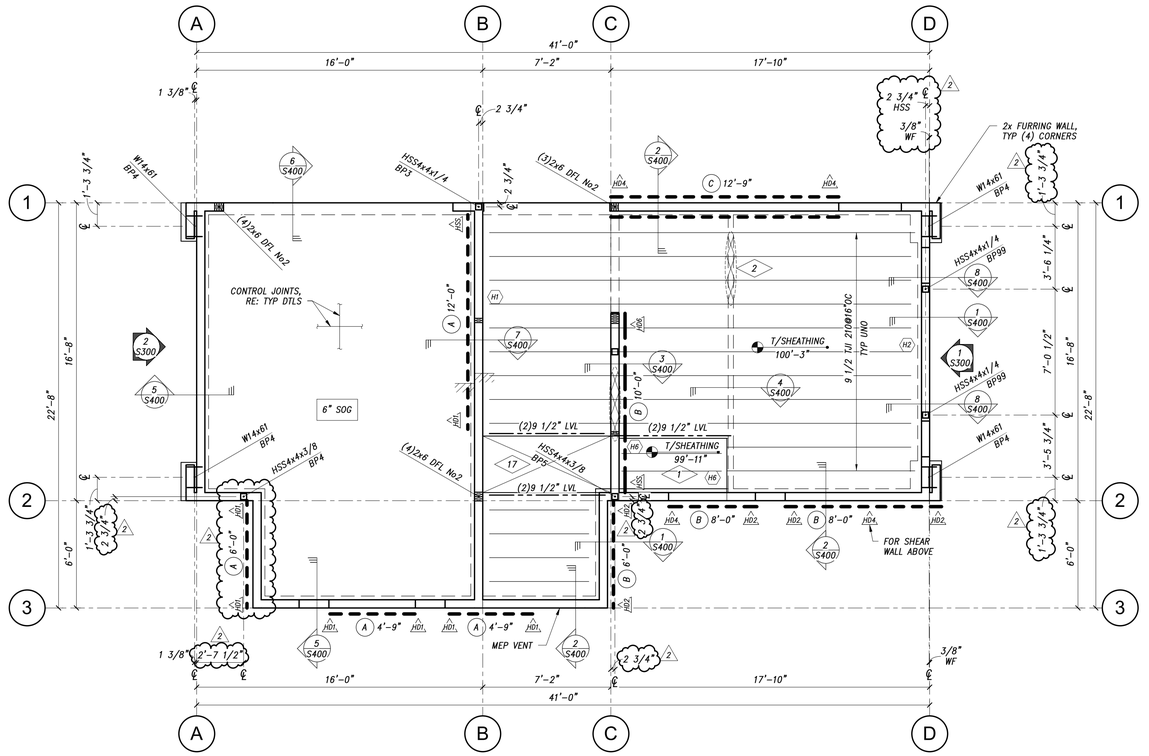
8/31/2021 9:10:57 AM

THESE DRAWINGS ARE TO BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS ON THE PROJECT TO CLEARLY DEFINE ALL OF THE REQUIREMENTS FOR THE CONSTRUCTION. WHERE CONFLICTS OCCUR CONTACT ARCHITECT FOR CLARIFICATION.

THE STRUCTURAL ENGINEERS SEAL ON THIS DRAWING INDICATES THAT THE INFORMATION SHOWN AND THE CALCULATIONS PERTAINING TO THAT INFORMATION HAVE BEEN PREPARED BY QUALIFIED PEOPLE UNDER THE DIRECTION OF THE ENGINEER-OF-RECORD. THE SEAL DOES NOT IMPLY RESPONSIBILITY FOR INFORMATION PREPARED BY OTHERS NOR FOR ANY INFORMATION NOT SHOWN ON THIS DRAWING AND SUCH RESPONSIBILITY IS SPECIFICALLY DISCLAIMED. ON PHASED PROJECTS, DRAWINGS THAT ARE ISSUED BUT NOT SEALED SHALL BE CONSIDERED TO BE PRELIMINARY IN NATURE AND ARE ISSUED FOR INFORMATION ONLY.

MAIN LEVEL PLAN NOTES:

1. TYPICAL FLOOR IS ARCHITECTURAL FINISHES OVER 1 1/2" CONCRETE TOPPING SLAB OVER 3/4" T&G FLOOR SHEATHING OVER WOOD I-JOISTS. TYPICAL FLOOR SHEATHING ATTACHMENT IS GLUE AND NAIL WITH 8d@6"OC AT EDGES AND @12"OC IN FIELD, UNO
2. GARAGE FLOOR IS 6" SLAB-ON-GRADE, REINFORCE W/ #4@18"OC, EW, CHAIRED TO MID-DEPTH. RE: GEOTECHNICAL REPORT FOR SUBGRADE PREPARATION.
3. TYPICAL EXTERIOR WALL IS 1/2" WALL SHEATHING ON 2x6 DFL No2@16"OC, UNO. ATTACH WALL SHEATHING WITH 8d@6"OC AT EDGES AND @12"OC IN FIELD UNLESS DESIGNATED AS A SHEAR WALL. RE: SHEAR WALL SCHEDULE FOR SHEAR WALL NAILING.
4. TYPICAL INTERIOR STRUCTURAL WALL IS 2x6 DFL No2@16"OC, UNO.
5. TYPICAL COLUMN IS (2)2x6 DFL No2, UNO.
6. RE: 1/S201 FOR T/CONC ELEVATIONS
7. ALL LVL MATERIAL IS TO BE 1 3/4" THICK, UNO.
8. RE: "TYPICAL WOOD HEADER TABLE" FOR HEADER SIZING AND NUMBER OF TRIMMER STUDS WHERE INDICATED "HDR" ON PLAN.
9. WHEN NOT SPECIFIED AS "HDR", MINIMUM NUMBER OF KING STUDS EACH SIDE OF OPENING IS EQUAL TO HALF THE NUMBER OF STUDS INTERRUPTED BY HEADER PLUS ONE, (2) MIN. RE: "TYPICAL WOOD HEADER TABLE" FOR ATTACHMENT OF HEADER TO KING STUDS.
10. RE: ARCH FOR WINDOW AND DOOR LOCATIONS.
11. RE: SHEETS S100-S102 FOR GENERAL NOTES AND LEGENDS
12. RE: SHEETS S110 FOR LOAD KEYS
13. RE: SHEETS S120-S123 FOR TYPICAL DETAILS
14. RE: SHEETS S500-S501 FOR BASE PLATE, HANGER, SHEAR WALL, AND HOLDOWN SCHEDULES



2 GROUND FLOOR FRAMING PLAN

1/4" = 1'-0"

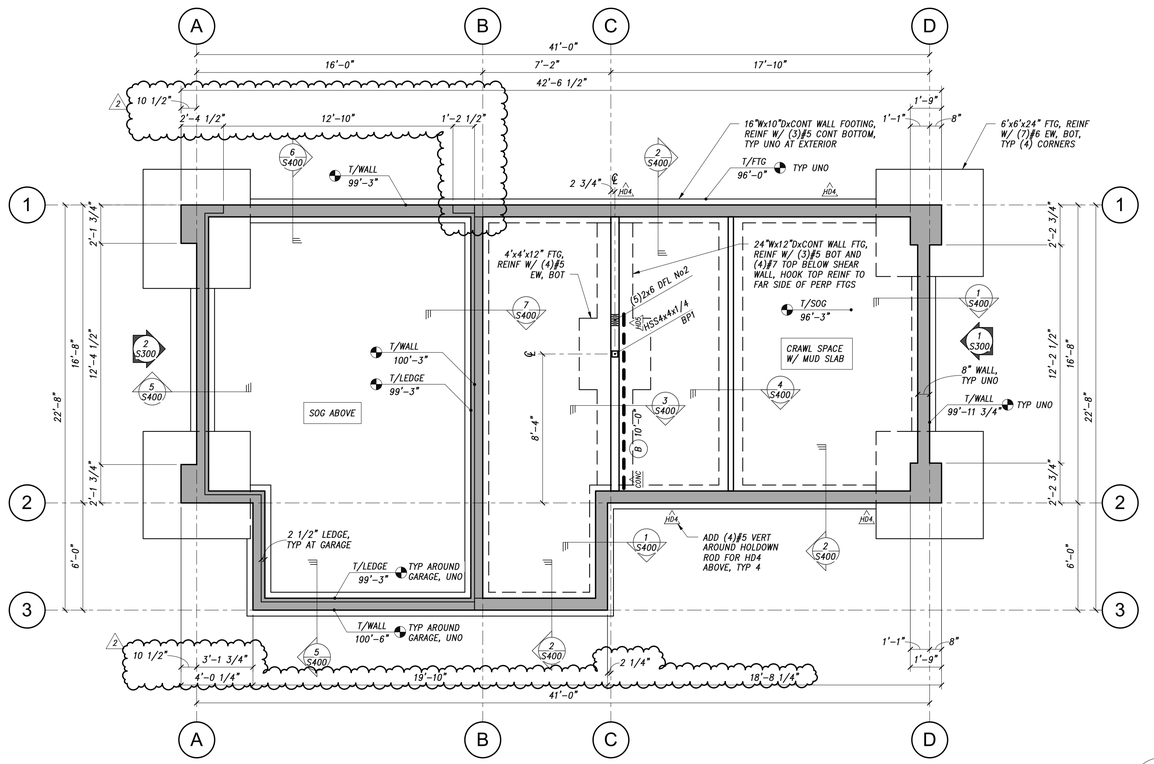
#	KEYNOTE LEGEND
1	DROPPED SHOWER FRAMING, RE: ARCH FOR EXTENTS, FRAME WITH 2x6 DFL No2@16"OC
2	BLOCKING BTWN JOISTS OVER SUPPORTS, TYP
17	CRAWL SPACE ACCESS, RE: ARCH FOR LOCATION AND EXTENTS.

FOUNDATION PLAN NOTES:

1. TYPICAL FLOOR IS 3" UNREINFORCED MUD SLAB. RE: PLAN FOR T/SOG ELEVATION. RE: GEOTECHNICAL REPORT FOR SUBGRADE PREPARATION.
2. TYPICAL FOUNDATIONS ARE SPREAD FOOTINGS. RE: GENERAL NOTES AND GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.
3. TYPICAL EXTERIOR WALL IS 8" CAST-IN-PLACE CONCRETE WALLS, UNO.
4. TYPICAL INTERIOR STRUCTURAL WALL IS 2x6 DFL No2@16"OC, UNO.
5. TYPICAL COLUMN IS (2)2x6 DFL No2, UNO.
6. SEE PLANS FOR T/FTG AND T/WALL ELEVATIONS
7. RE: SHEETS S100-S102 FOR GENERAL NOTES AND LEGENDS
8. RE: SHEETS S110 FOR LOAD KEYS
9. RE: SHEETS S120-S123 FOR TYPICAL DETAILS
10. RE: SHEETS S500-S501 FOR BASE PLATE, HANGER, SHEAR WALL, AND HOLDOWN SCHEDULES

FOOTING NOTES:

1. FOOTINGS SHALL BEAR ON PROOF ROLLED NATIVE SOIL OR COMPACTED FILL AS SPECIFIED IN THE GEOTECHNICAL REPORT.
2. ALL BEARING MATERIAL SHALL BE INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO CONCRETE PLACEMENT. THE GEOTECHNICAL ENGINEER SHALL BE THE SOLE JUDGE AS TO THE SUITABILITY OF THE BEARING MATERIAL.
3. CENTER CONTINUOUS FOOTING UNDER WALLS AND COLUMN FOOTINGS UNDER COLUMNS, UNO.
4. BEARING ELEVATIONS ARE SUBJECT TO ADJUSTMENT AS REQUIRED BY SUITABILITY OF BEARING MATERIAL.
5. DOWELS TO MATCH VERTICAL WALL AND PILASTER REINFORCING, UNO. EXTEND DOWELS 24" MIN ABOVE FOOTING, UNO.
6. RE: DETAILS FOR FOOTING DOWELS.
7. RE: GENERAL NOTES FOR ADDITIONAL INFORMATION.



1 FOUNDATION PLAN

1/4" = 1'-0"

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

KL&A
Engineers & Builders
1717 Washington Avenue, Suite 100
Golden, Colorado 80401
P: (303) 384 9910 F: (303) 384 9915
Buffalo, WY ○ Carbondale, CO ○ Golden, CO ○ Loveland, CO

Revisions

No.	Issued For	Issue Date
1	Permit Set	04.08.2021
2	Core & Shell Set /2	09.04.2021

Casita Magee

Teton Village, Wy

Project No. : 20657 Drawn: SYE

Scale: As indicated Checked: RLH

Sheet Title:

FOUNDATION AND GROUND FLOOR PLANS

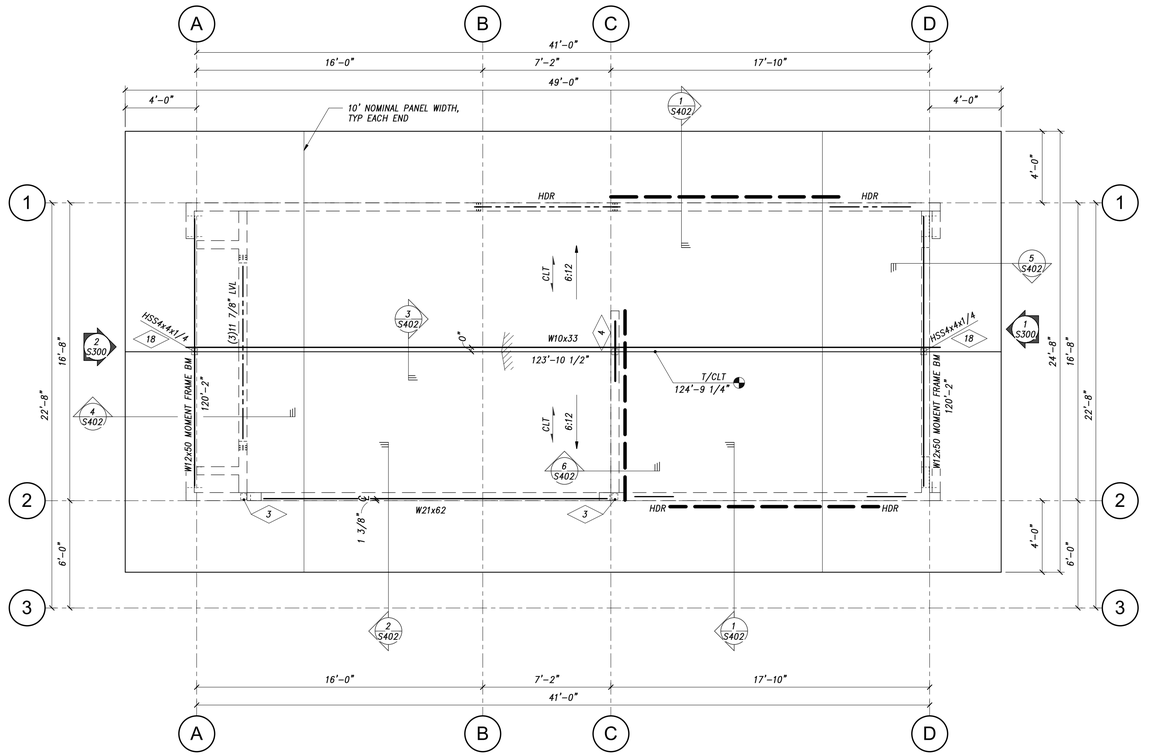
Sheet Number:

S200

8/31/2021 9:10:57 AM

THESE DRAWINGS ARE TO BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS ON THE PROJECT TO CLEARLY DEFINE ALL OF THE REQUIREMENTS FOR THE CONSTRUCTION. WHERE CONFLICTS OCCUR CONTACT ARCHITECT FOR CLARIFICATION.

THE STRUCTURAL ENGINEERS SEAL ON THIS DRAWING INDICATES THAT THE INFORMATION SHOWN AND THE CALCULATIONS PERTAINING TO THAT INFORMATION HAVE BEEN PREPARED BY QUALIFIED PEOPLE UNDER THE DIRECTION OF THE ENGINEER-OF-RECORD. THE SEAL DOES NOT IMPLY RESPONSIBILITY FOR INFORMATION PREPARED BY OTHERS NOR FOR ANY INFORMATION NOT SHOWN ON THIS DRAWING AND SUCH RESPONSIBILITY IS SPECIFICALLY DISCLAIMED. ON PHASED PROJECTS, DRAWINGS THAT ARE ISSUED BUT NOT SEALED SHALL BE CONSIDERED TO BE PRELIMINARY IN NATURE AND ARE ISSUED FOR INFORMATION ONLY.



2 ROOF FRAMING PLAN

1/4" = 1'-0"

N

1 SECOND FLOOR FRAMING PLAN

1/4" = 1'-0"

N

	KEYNOTE LEGEND
2	DROPPED SHOWER FRAMING, RE: ARCH FOR EXTENTS, FRAME WITH 2x6 DFL No2@16"OC
3	ATTACH COLUMN TO CLT W/ (4)SDWS22500 IN CAP PL1/4".
4	STRAP CLT ACROSS RIDGE OVER SHEAR WALL W/ (2) SIMPSON CS16, MIN 11" END LENGTH W/ (10)0.148"x2 1/2" NAILS EA END.
5	5 BAYS FLAT 3x BLOCKING IN LINE WITH LAST DECK JOIST, STRAP FULL LENGTH OF BLOCKING AND TO DECK JOIST W/ SIMPSON CS16, ATTACH TO JOIST W/ (10)0.148"x2 1/2" NAILS IN 11" MIN END LENGTH, NAIL STRAP TO BLOCKING W/ 0.148"x2 1/2" @4"OC.
8	5 BAYS FLAT 3x BLOCKING IN LINE W/ LVL BEAM, STRAP FULL LENGTH OF BLOCKING AND LVL W/ SIMPSON CS16, ATTACH TO LVL W/ (10)0.148"x2 1/2" NAILS IN 11" MIN END LENGTH, NAIL STRAP TO BLOCKING W/ 0.148"x2 1/2" @4"OC.
9	ALIGN TJI W/ LVL HEADER, STRAP JOINT W/ SIMPSON CS16, MIN 11" END LENGTH W/ (10)0.148"x2 1/2" NAILS EA END.
10	IN HATCHED REGION BLOCK ALL PANEL EDGES W/ FLAT 3x AND NAIL W/ 10d@6"OC
11	STRAP LVL BEAM TO WALL RIM BOARD W/ (2) SIMPSON CS16, MIN 11" END LENGTH W/ (10)0.148"x2 1/2" NAILS EA END.
13	STRAP WF 2x NAILER TO HSS NAILERS W/ (2) SIMPSON CS16, ONE EA SIDE, MIN 11" END LENGTH W/ (10)0.148"x2 1/2" NAILS EA END.
14	STRAP (3)14" LVL TO COLUMN BELOW W/ CS16, ATTACH TO EA W/ (10)10d AND 11" END LENGTH
15	ATTACH (3)14" LVL TO WF BELOW W/ SIMPSON DTT2Z-SDS2.5, ATTACH TO LVL W/ (8)1 1/4"x2 1/2" SDS AND TO WF W/ 1/2"ϕ WELDED STUD
16	STRAP HSS NAILERS TO WALL TOP PLATES W/ (2) SIMPSON CS16, ONE EA SIDE, MIN 11" END LENGTH W/ (10)0.148"x2 1/2" NAILS EA END.
18	HSS STUB COLUMN W/ 1/2" BASE PLATE W/ (4)3/4"ϕ STUDS WELDED TO MOMENT FRAME COLUMN AND 1/2" CAP PLATE W/ (4)3/4"ϕ THRU BOLTS TO RIDGE BEAM.

ROOF PLAN NOTES:

1. TYPICAL ROOF IS 5-PLY CLT SUPPORTED BY A STEEL RIDGE BEAM AND EXTERIOR BEARING WALLS. ATTACH CLT WITH SIMPSON SDWS22 SCREWS WITH 2 3/4" MIN EMBED INTO SUPPORTS @15"OC AT PANEL EDGES, UNO. RE: SHEAR WALL SCHEDULE FOR ATTACHMENT TO SHEAR WALLS.
2. RE: ARCH FOR TOP OF PLATE ELEVATIONS. WALLS HAVE BEEN DESIGNED FOR A MAXIMUM HEIGHT OF 10'-6", UNO.
3. ALL LVL MATERIAL IS TO BE 1 3/4" THICK, UNO.
4. RE: "TYPICAL WOOD HEADER TABLE" FOR HEADER SIZING AND NUMBER OF TRIMMER STUDS WHERE INDICATED "HDR" ON PLAN.
5. WHEN NOT SPECIFIED AS "HDR", MINIMUM NUMBER OF KING STUDS EACH SIDE OF OPENING IS EQUAL TO HALF THE NUMBER OF STUDS INTERRUPTED BY HEADER PLUS ONE, (2) MIN. RE: "TYPICAL WOOD HEADER TABLE" FOR ATTACHMENT OF HEADER TO KING STUDS.
6. RE: SHEETS S100-S102 FOR GENERAL NOTES AND LEGENDS
7. RE: SHEETS S110 FOR LOAD KEYS
8. RE: SHEETS S120-S123 FOR TYPICAL DETAILS
9. RE: SHEETS S500-S501 FOR BASE PLATE, HANGER, SHEAR WALL, AND HOLDOWN SCHEDULES

UPPER LEVEL/ LOW ROOF PLAN NOTES:

1. TYPICAL FLOOR IS ARCHITECTURAL FINISHES OVER 1 1/2" CONCRETE TOPPING SLAB OVER 3/4" T&G FLOOR SHEATHING OVER WOOD I-JOISTS. TYPICAL FLOOR SHEATHING ATTACHMENT IS GLUE AND NAIL WITH 10d@6"OC AT EDGES AND @12"OC IN FIELD, UNO
2. LOW ROOF IS BALLAST, FINISHES, AND INSULATION OVER 3/4" ROOF SHEATHING OVER WOOD I-JOISTS. ATTACH ROOF SHEATHING WITH 8d@6"OC AT EDGES AND @12"OC IN FIELD, UNO.
3. BALCONY IS 2x DECKING ON REVERSE TAPERED SLEEPERS OVER SLOPED 3/4" T&G FLOOR SHEATHING OVER TAPERED LVL JOISTS. ATTACH FLOOR SHEATHING WITH GLUE AND NAIL WITH 8d@6"OC AT EDGES AND @12"OC IN FIELD, UNO.
4. TYPICAL EXTERIOR WALL IS 1/2" WALL SHEATHING ON 2x6 DFL No2@16"OC, UNO. ATTACH WALL SHEATHING WITH 8d@6"OC AT EDGES AND @12"OC IN FIELD UNLESS DESIGNATED AS A SHEAR WALL. RE: SHEAR WALL SCHEDULE FOR SHEAR WALL NAILING.
5. TYPICAL INTERIOR STRUCTURAL WALL IS 2x6 DFL No2@16"OC, UNO.
6. TYPICAL COLUMN IS (2)2x6 DFL No2, UNO.
7. ALL LVL MATERIAL IS TO BE 1 3/4" THICK, UNO.
8. RE: "TYPICAL WOOD HEADER TABLE" FOR HEADER SIZING AND NUMBER OF TRIMMER STUDS WHERE INDICATED "HDR" ON PLAN.
9. WHEN NOT SPECIFIED AS "HDR", MINIMUM NUMBER OF KING STUDS EACH SIDE OF OPENING IS EQUAL TO HALF THE NUMBER OF STUDS INTERRUPTED BY HEADER PLUS ONE, (2) MIN. RE: "TYPICAL WOOD HEADER TABLE" FOR ATTACHMENT OF HEADER TO KING STUDS.
10. RE: ARCH FOR WINDOW AND DOOR LOCATIONS.
11. COORDINATE JOIST LAYOUT WITH LIGHTING LOCATIONS, RE: ARCH.
12. RE: SHEETS S100-S102 FOR GENERAL NOTES AND LEGENDS
13. RE: SHEETS S110 FOR LOAD KEYS
14. RE: SHEETS S120-S123 FOR TYPICAL DETAILS
15. RE: SHEETS S500-S501 FOR BASE PLATE, HANGER, SHEAR WALL, AND HOLDOWN SCHEDULES

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

KL&A
Engineers & Builders
1717 Washington Avenue, Suite 100
Golden, Colorado 80401
P: (303) 384 9910 F: (303) 384 9915
Buffalo, WY ○ Carbondale, CO ○ Golden, CO ○ Loveland, CO

Revisions

No.	Issued For	Issue Date
1	Permit Set	04.08.2021
2	Core & Shell Set /2	09.04.2021

Casita Magee

Teton Village, Wy

Project No. : 20657 — Drawn: SYE

Scale: As indicated — Checked: RLH

Sheet Title:

SECOND FLOOR AND ROOF FRAMING PLANS

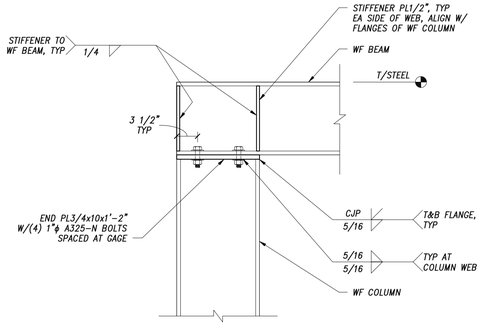
Sheet Number:

S201

8/31/2021 9:10:57 AM

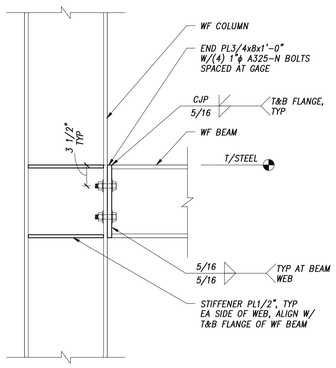
THESE DRAWINGS ARE TO BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS ON THE PROJECT TO CLEARLY DEFINE ALL OF THE REQUIREMENTS FOR THE CONSTRUCTION. WHERE CONFLICTS OCCUR CONTACT ARCHITECT FOR CLARIFICATION.

THESE DRAWINGS ARE TO BE USED BY QUALIFIED PEOPLE UNDER THE DIRECTION OF THE ENGINEER-OF-RECORD. THE SEAL DOES NOT IMPLY RESPONSIBILITY FOR INFORMATION PREPARED BY OTHERS NOR FOR ANY INFORMATION NOT SHOWN ON THIS DRAWING AND SUCH RESPONSIBILITY IS SPECIFICALLY DISCLAIMED. ON PHASED PROJECTS, DRAWINGS THAT ARE ISSUED BUT NOT SEALED SHALL BE CONSIDERED TO BE PRELIMINARY IN NATURE AND ARE ISSUED FOR INFORMATION ONLY.



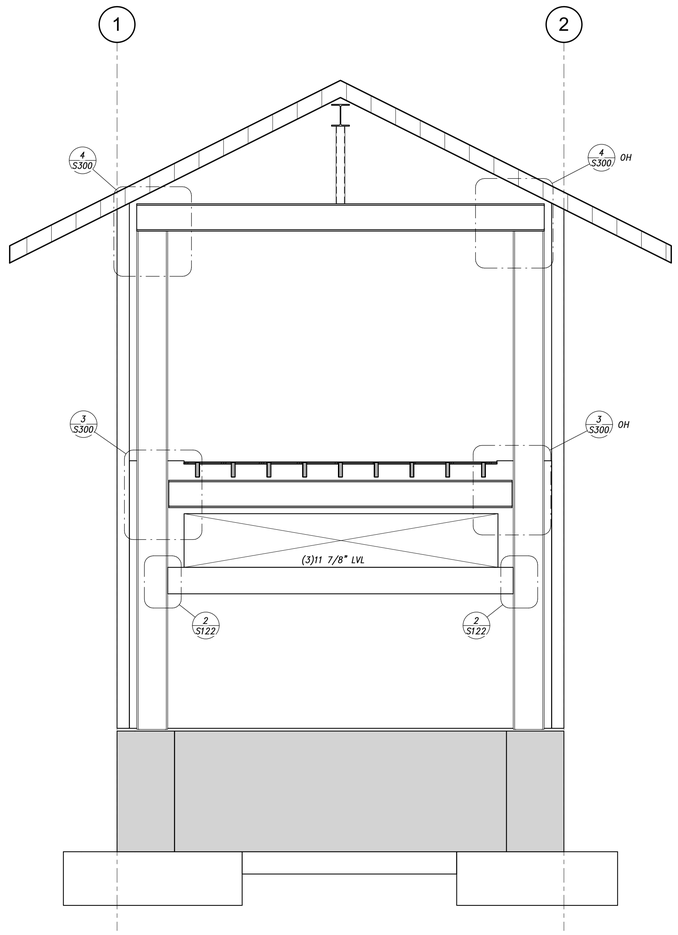
4 MOMENT CONNECTION DETAIL

1" = 1'-0"



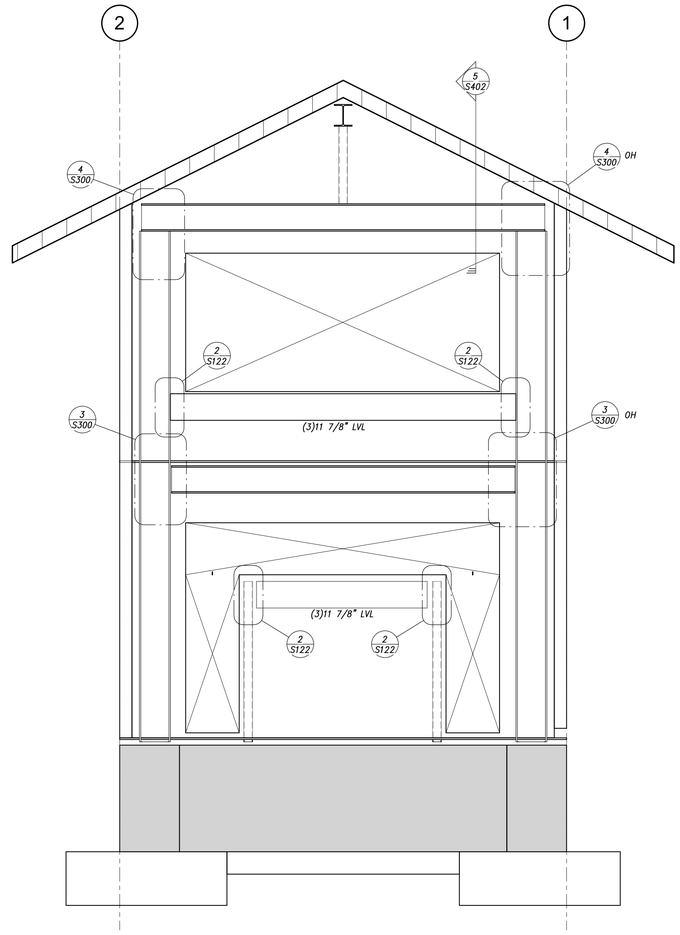
3 MOMENT CONNECTION DETAIL

1" = 1'-0"



2 WEST ELEVATION

3/8" = 1'-0"



1 EAST ELEVATION

3/8" = 1'-0"

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

KL&A
Engineers & Builders
1717 Washington Avenue, Suite 100
Golden, Colorado 80401
P: (303) 384 9910 F: (303) 384 9915
Buffalo, WY ○ Carbondale, CO ○ Golden, CO ○ Loveland, CO

Revisions

No.	Issued For	Issue Date
1	Permit Set	04.08.2021

Casita Magee

Teton Village, Wy

Project No. : 20657 — Drawn: SYE
Scale: As indicated — Checked: RLH

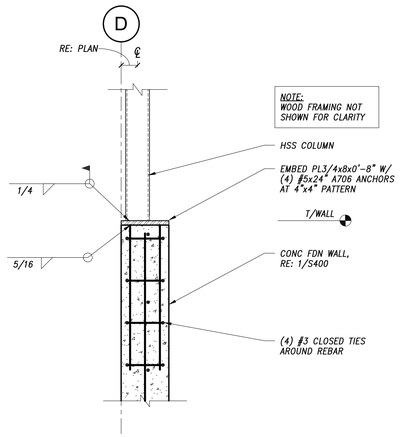
Sheet Title:
ELEVATIONS

Sheet Number:
S300

8/31/2021 9:10:58 AM

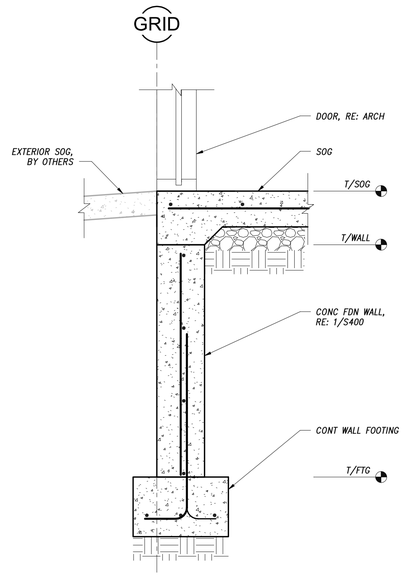
THESE DRAWINGS ARE TO BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS ON THE PROJECT TO CLEARLY DEFINE ALL OF THE REQUIREMENTS FOR THE CONSTRUCTION. WHERE CONFLICTS OCCUR CONTACT ARCHITECT FOR CLARIFICATION.

THE STRUCTURAL ENGINEERS SEAL ON THIS DRAWING INDICATES THAT THE INFORMATION SHOWN AND THE CALCULATIONS PERTAINING TO THAT INFORMATION HAVE BEEN PREPARED BY QUALIFIED PEOPLE UNDER THE DIRECTION OF THE ENGINEER-OF-RECORD. THE SEAL DOES NOT IMPLY RESPONSIBILITY FOR INFORMATION PREPARED BY OTHERS NOR FOR ANY INFORMATION NOT SHOWN ON THIS DRAWING AND SUCH RESPONSIBILITY IS SPECIFICALLY DISCLAIMED. ON PHASED PROJECTS, DRAWINGS THAT ARE ISSUED BUT NOT SEALED SHALL BE CONSIDERED TO BE PRELIMINARY IN NATURE AND ARE ISSUED FOR INFORMATION ONLY.



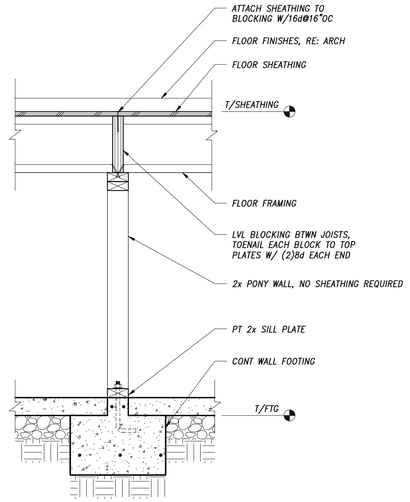
8 WIND GIRT COLUMN BASE PLATE

1" = 1'-0"



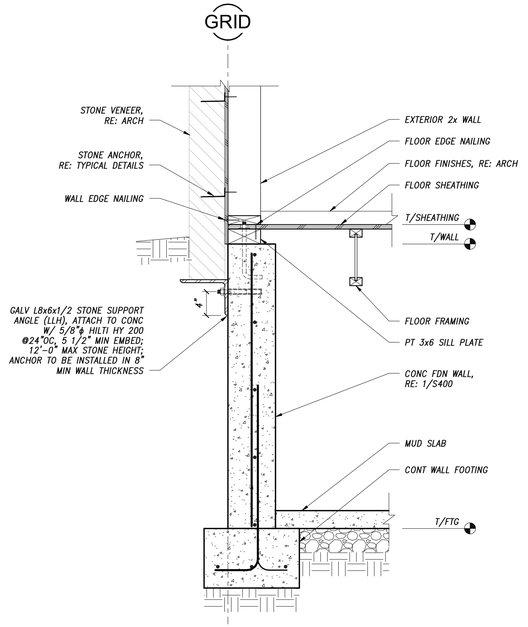
6 FOUNDATION SECTION AT SOG

1" = 1'-0"



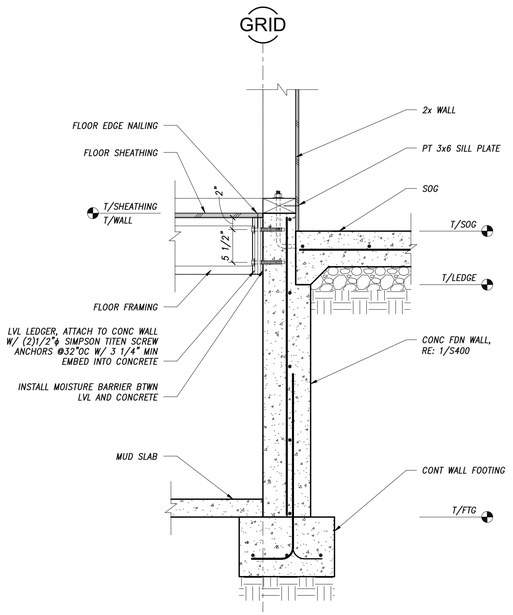
4 FLOOR SECTION AT PONY WALL

1" = 1'-0"



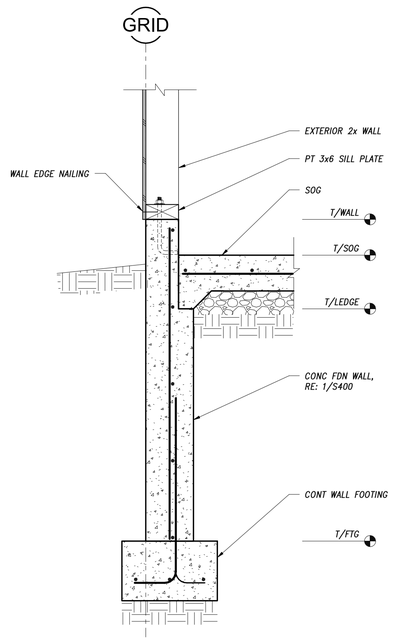
2 FOUNDATION SECTION

1" = 1'-0"



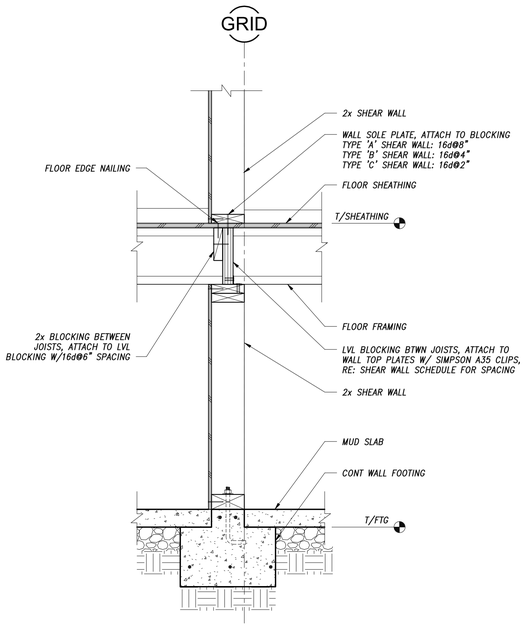
7 FOUNDATION SECTION AT TRANSITION

1" = 1'-0"



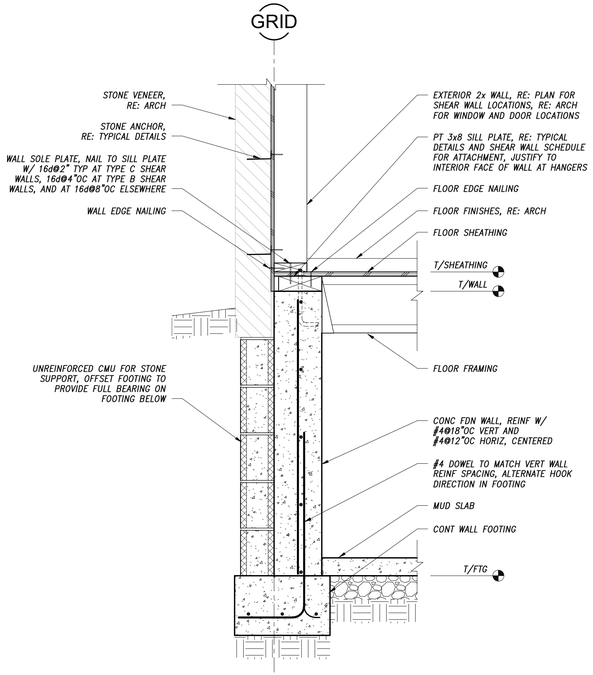
5 FOUNDATION SECTION AT SOG

1" = 1'-0"



3 FLOOR SECTION AT SHEAR WALL

1" = 1'-0"



1 FOUNDATION SECTION

1" = 1'-0"

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

KL&A
Engineers & Builders
1717 Washington Avenue, Suite 100
Golden, Colorado 80401
P: (303) 384 9910 F: (303) 384 9915
Buffalo, WY ○ Carbondale, CO ○ Golden, CO ○ Loveland, CO

Revisions

No.	Issued For	Issue Date
1	Permit Set	04.08.2021

Casita Magee

Teton Village, Wy

Project No. : 20657 — Drawn: SYE

Scale: 1" = 1'-0" — Checked: RLH

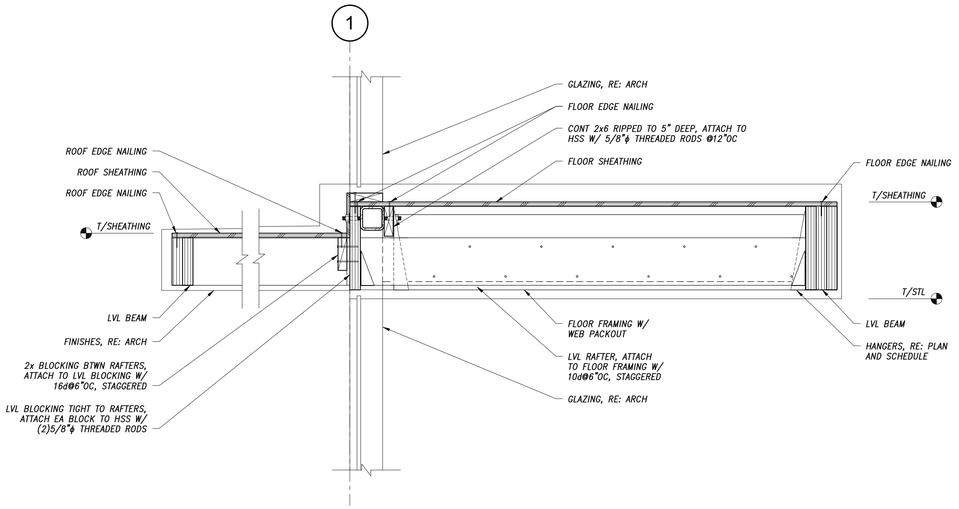
Sheet Title:
DETAILS

Sheet Number:
S400

8/31/2021 9:10:59 AM

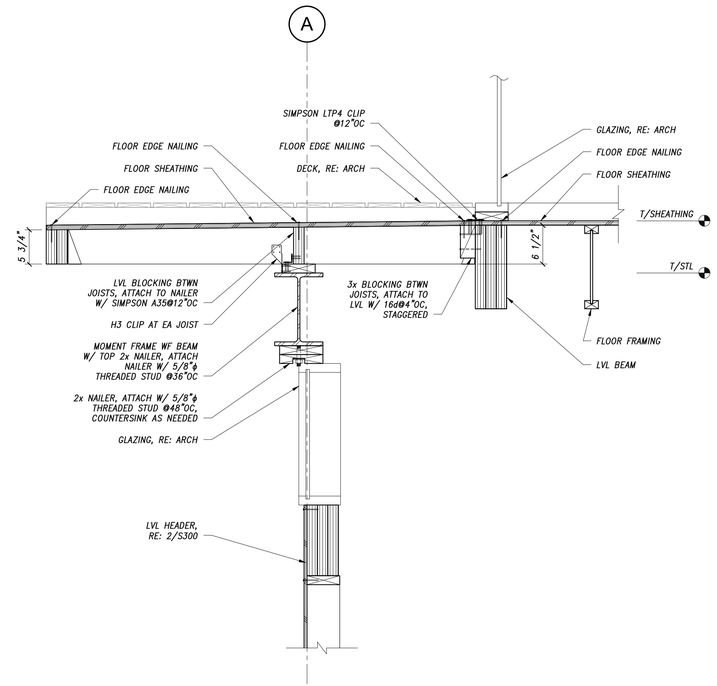
THESE DRAWINGS ARE TO BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS ON THE PROJECT TO CLEARLY DEFINE ALL OF THE REQUIREMENTS FOR THE CONSTRUCTION. WHERE CONFLICTS OCCUR CONTACT ARCHITECT FOR CLARIFICATION.

THE STRUCTURAL ENGINEERS SEAL ON THIS DRAWING INDICATES THAT THE INFORMATION SHOWN AND THE CALCULATIONS PERTAINING TO THAT INFORMATION HAVE BEEN PREPARED BY QUALIFIED PEOPLE UNDER THE DIRECTION OF THE ENGINEER-OF-RECORD. THE SEAL DOES NOT IMPLY RESPONSIBILITY FOR INFORMATION PREPARED BY OTHERS NOR FOR ANY INFORMATION NOT SHOWN ON THIS DRAWING AND SUCH RESPONSIBILITY IS SPECIFICALLY DISCLAIMED. ON PHASED PROJECTS, DRAWINGS THAT ARE ISSUED BUT NOT SEALED SHALL BE CONSIDERED TO BE PRELIMINARY IN NATURE AND ARE ISSUED FOR INFORMATION ONLY.



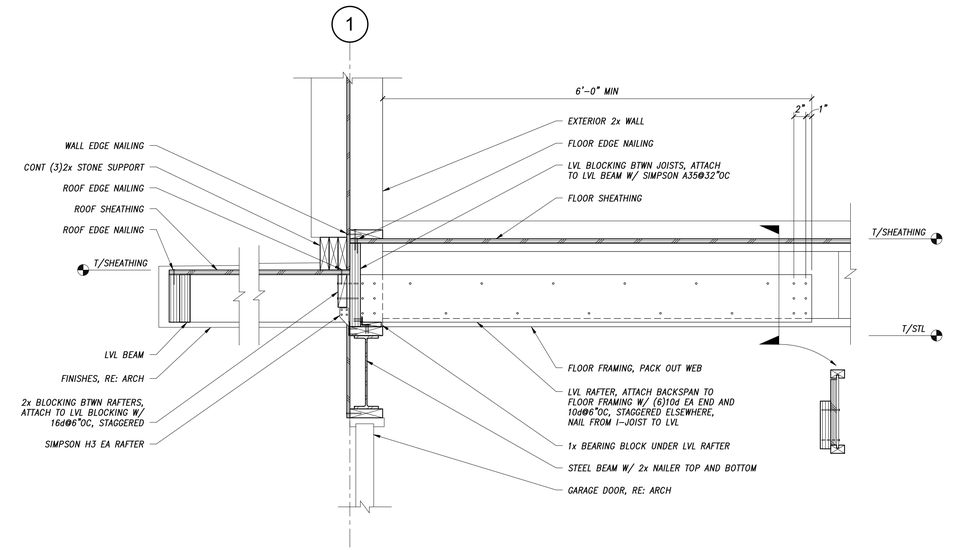
4 CANOPY SECTION

1" = 1'-0"



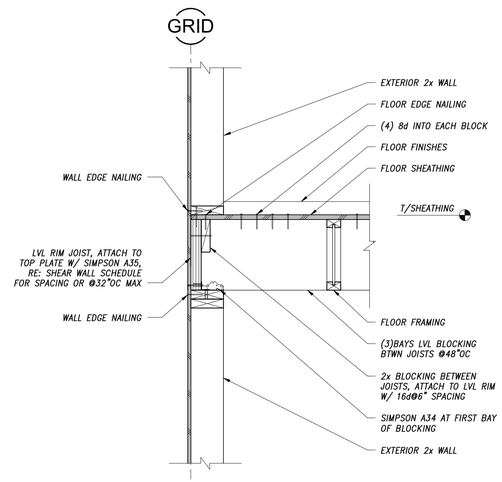
2 BALCONY SECTION

1" = 1'-0"



3 CANOPY SECTION

1" = 1'-0"



1 FLOOR SECTION

1" = 1'-0"

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

KL&A
Engineers & Builders
1717 Washington Avenue, Suite 100
Golden, Colorado 80401
P: (303) 384 9910 F: (303) 384 9915
Buffalo, WY ○ Carbondale, CO ○ Golden, CO ○ Loveland, CO

Revisions

No.	Issued For	Issue Date
1	Permit Set	04.08.2021

Casita Magee

Teton Village, Wy

Project No. : 20657	Drawn: SYE
Scale: 1" = 1'-0"	Checked: RLH

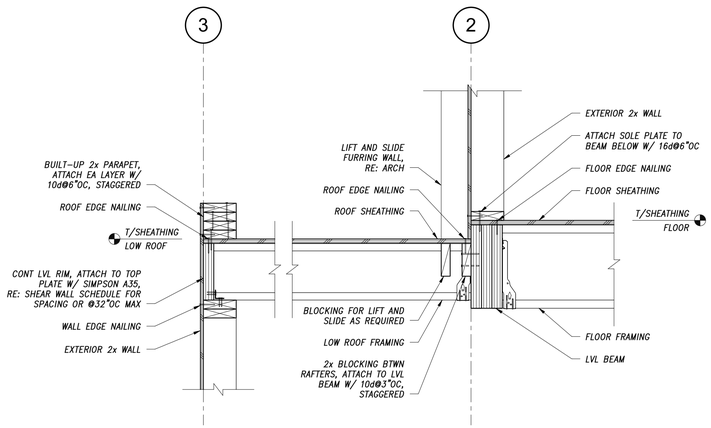
Sheet Title:
DETAILS

Sheet Number:
S401

8/31/2021 9:11:00 AM

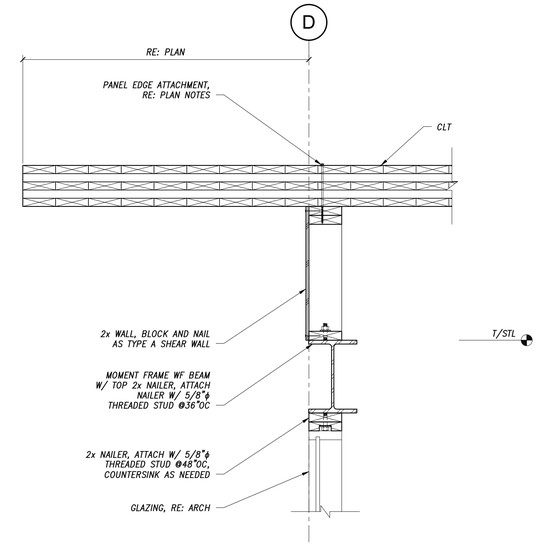
THESE DRAWINGS ARE TO BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS ON THE PROJECT TO CLEARLY DEFINE ALL OF THE REQUIREMENTS FOR THE CONSTRUCTION. WHERE CONFLICTS OCCUR CONTACT ARCHITECT FOR CLARIFICATION.

THE STRUCTURAL ENGINEERS SEAL ON THIS DRAWING INDICATES THAT THE INFORMATION SHOWN AND THE CALCULATIONS PERTAINING TO THAT INFORMATION HAVE BEEN PREPARED BY QUALIFIED PEOPLE UNDER THE DIRECTION OF THE ENGINEER-OF-RECORD. THE SEAL DOES NOT IMPLY RESPONSIBILITY FOR INFORMATION PREPARED BY OTHERS NOR FOR ANY INFORMATION NOT SHOWN ON THIS DRAWING AND SUCH RESPONSIBILITY IS SPECIFICALLY DISCLAIMED. ON PHASED PROJECTS, DRAWINGS THAT ARE ISSUED BUT NOT SEALED SHALL BE CONSIDERED TO BE PRELIMINARY IN NATURE AND ARE ISSUED FOR INFORMATION ONLY.



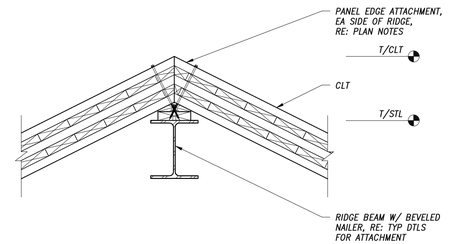
7 LOW ROOF SECTION

1" = 1'-0"



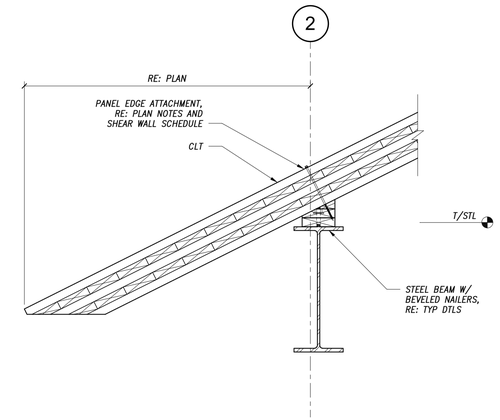
5 RAKE SECTION

1" = 1'-0"



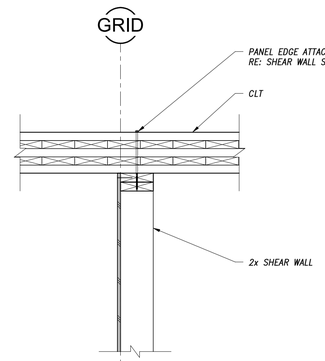
3 RIDGE SECTION

1" = 1'-0"



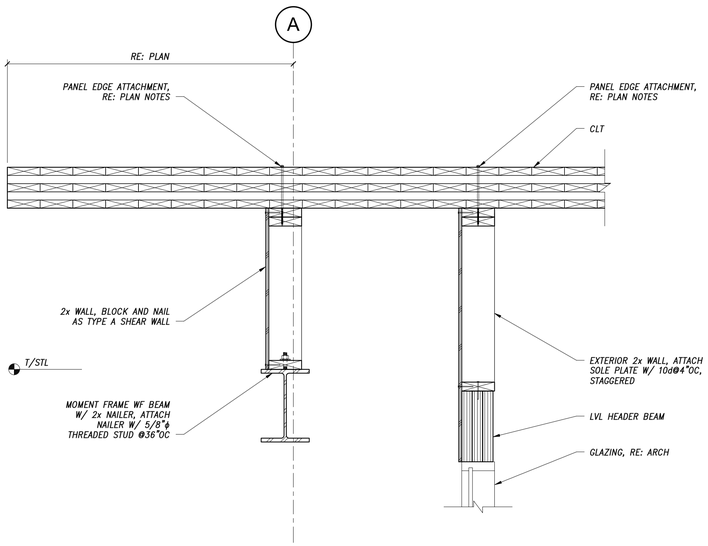
2 EAVE SECTION AT STEEL BEAM

1" = 1'-0"



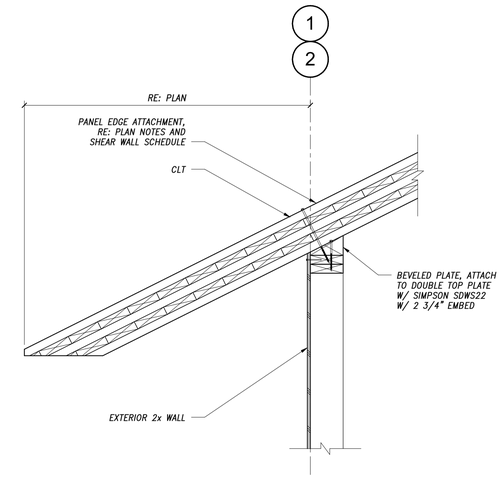
6 ROOF SECTION AT SHEAR WALL

1" = 1'-0"



4 RAKE SECTION

1" = 1'-0"



1 EAVE SECTION

1" = 1'-0"

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

KL&A
Engineers & Builders
1717 Washington Avenue, Suite 100
Golden, Colorado 80401
P: (303) 384 9910 F: (303) 384 9915
Buffalo, WY ○ Carbondale, CO ○ Golden, CO ○ Loveland, CO

Revisions

No.	Issued For	Issue Date
1	Permit Set	04.08.2021

Casita Magee

Teton Village, Wy

Project No. : 20657 — Drawn: SYE

Scale: 1" = 1'-0" — Checked: RLH

Sheet Title:

DETAILS

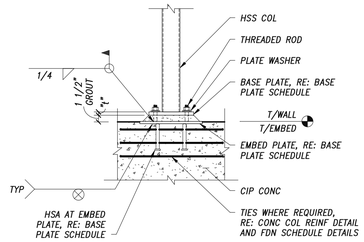
Sheet Number:

S402

8/31/2021 9:11:00 AM

THESE DRAWINGS ARE TO BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS ON THE PROJECT TO CLEARLY DEFINE ALL OF THE REQUIREMENTS FOR THE CONSTRUCTION. WHERE CONFLICTS OCCUR CONTACT ARCHITECT FOR CLARIFICATION.

THE STRUCTURAL ENGINEERS SEAL ON THIS DRAWING INDICATES THAT THE INFORMATION SHOWN AND THE CALCULATIONS PERTAINING TO THAT INFORMATION HAVE BEEN PREPARED BY QUALIFIED PEOPLE UNDER THE DIRECTION OF THE ENGINEER-OF-RECORD. THE SEAL DOES NOT IMPLY RESPONSIBILITY FOR INFORMATION PREPARED BY OTHERS NOR FOR ANY INFORMATION NOT SHOWN ON THIS DRAWING AND SUCH RESPONSIBILITY IS SPECIFICALLY DISCLAIMED. ON PHASED PROJECTS, DRAWINGS THAT ARE ISSUED BUT NOT SCALED SHALL BE CONSIDERED TO BE PRELIMINARY IN NATURE AND ARE ISSUED FOR INFORMATION ONLY.

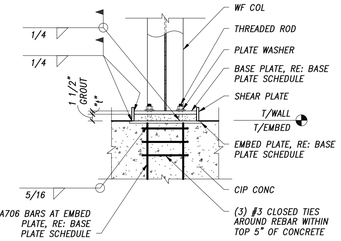


HSS COL ON EMBED PLATE IN CIP CONCRETE

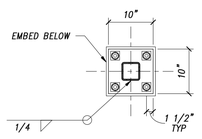
BASE PLATE SCHEDULE								
	EMBED PLATE		BASE PLATE		THREADED STUD		EMBED ANCHORS	
MARK	TYPE	THICKNESS	TYPE	THICKNESS	NUMBER	SIZE	NUMBER	SIZE
BP1	A	1/2"	A	7/8"	4	3/4"ϕ	4	1/2"ϕx6"HSA
BP2	B	1/2"	B	7/8"	4	3/4"ϕ	4	1/2"ϕx6"HSA
BP3	B	1/2"	C	7/8"	4	3/4"ϕ	4	1/2"ϕx6"HSA
BP4	C	1/2"	D	7/8"	4	3/4"ϕ	4	#5x2'-6" A706
BP5	B	1/2"	E	7/8"	4	3/4"ϕ	4	#5x2'-6" A706
BP99	RE: 8/S400 FOR BASE PLATE INFORMATION							

NOTE: ALL BASE PLATE MATERIAL IS A36 STEEL, UNO

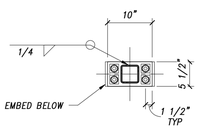
ANCHOR ROD REQUIREMENTS					
ANCHOR ROD ϕ (IN)	MAX HOLE ϕ (IN)	MIN PLATE WASHER SIZE (IN)	MIN PLATE WASHER THICKNESS (IN)	MIN EMBED (IN)	EDGE DISTANCE "c" (IN)
3/4	1 5/16	2	1/4	9	1 1/2



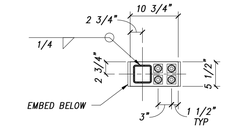
WIDE FLANGE COL ON EMBED PLATE IN CIP CONCRETE



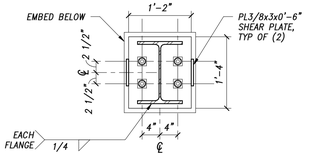
BASE PLATE A



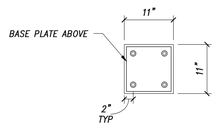
BASE PLATE B



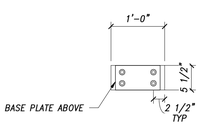
BASE PLATE C



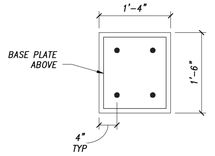
BASE PLATE D



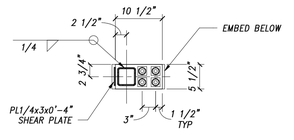
EMBED PLATE A



EMBED PLATE B



EMBED PLATE C



BASE PLATE E

WOOD HANGER SCHEDULE									
MARK H#	SIMPSON HANGER	FASTENERS			MEMBERS		ALLOWABLE LOADS		REMARKS
		SUPPORTING MEMBER	TOP FLANGE	SUPPORTED MEMBER	SUPPORTING MEMBER	SUPPORTED MEMBER	BEARING CAPACITY	UPLIFT CAPACITY	
H1	IUS2.06/9.5	(8)10dx1 1/2"	--	(2)STRONG-GRIP	LVL	9 1/2" TJI 210	775	70	WEB STIFFENER REQ'D
H2	ITS2.06/9.5	(2)16dx2 1/2"	(4)16dx2 1/2"	(2)STRONG-GRIP	3x NAILER	9 1/2" TJI 210	1500	120	WEB STIFFENER REQ'D
H3	ITS2.37/14	(2)10dx1 1/2"	(4)10dx1 1/2"	(2)STRONG-GRIP	2x NAILER OR LVL	14" TJI 360	1265	120	WEB STIFFENER REQ'D
H4	IUS2.37/11.88	(10)10dx1 1/2"	--	(2)10dx1 1/2"	LVL	11 7/8" TJI 360	970	235	WEB STIFFENER REQ'D
H5	LUS26	(4)10d	--	(3)10d	LVL	7 1/4" LVL	780	650	--
H6	LU26	(6)10d	--	(4)10dx1 1/2"	LVL	2x6	590	465	--
H7	HU1.81	(16)10d	--	(6)10dx1 1/2"	LVL	LVL	2030	915	--
H8	LUS210-2	(8)10d	--	(6)10d	LVL	14" LVL	1500	1230	--
H9	THA218-2	(2)16d	(4)10dx1 1/2"	(6)10d	2x NAILER	14" LVL	1335	0	--

NOTES:
1. SUBSTITUTION OF HANGER MANUFACTURER AND/OR HANGER TYPE ARE NOT PERMITTED WITHOUT WRITTEN APPROVAL OF STRUCTURAL ENGINEER.
2. HANGERS TO BE HOT DIP GALVANIZED STEEL, UNO.
3. FOR CONTACT WITH PRESERVATIVE TREATED WOOD IN EXPOSED LOCATIONS, PROVIDE MINIMUM G185 GALVANIZING.
4. SOME HANGERS SHOWN IN SCHEDULE MAY NOT BE USED ON PROJECT.

2 HANGER SCHEDULE
NTS

1 BASE PLATE DETAIL (WITH EMBED)
NTS

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

KL&A
Engineers & Builders
1717 Washington Avenue, Suite 100
Golden, Colorado 80401
P: (303) 384 9910 F: (303) 384 9915
Buffalo, WY ○ Carbondale, CO ○ Golden, CO ○ Loveland, CO

Revisions

No.	Issued For	Issue Date
1	Permit Set	04.08.2021

Casita Magee

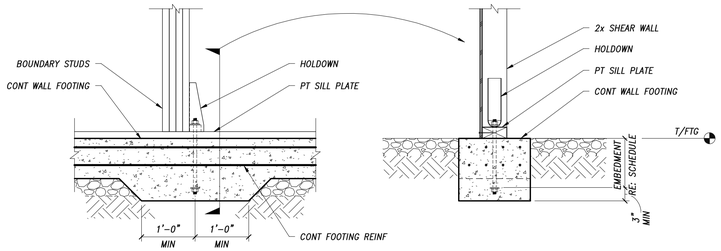
Teton Village, Wy

Project No. : 20657 Drawn: SYE
Scale: As indicated Checked: RLH

Sheet Title:
SCHEDULES

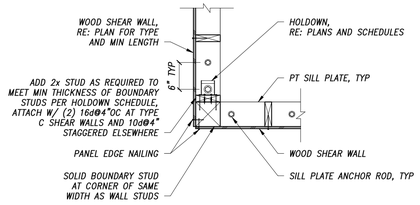
Sheet Number:
S500

8/31/2021 9:11:01 AM

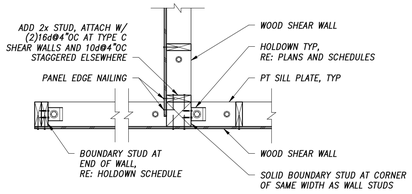


4 TYPICAL THICKENED FOOTING AT HOLDOWN

NTS



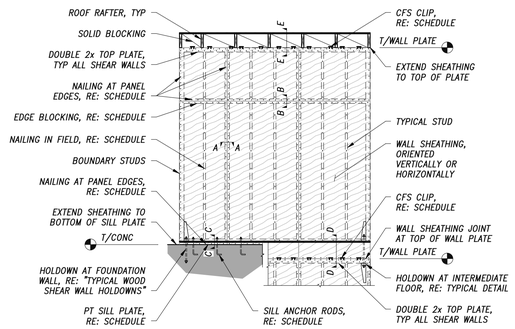
TYPICAL CORNER INTERSECTION



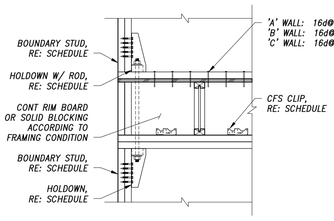
TYPICAL 'TEE' INTERSECTION

2 TYPICAL SHEAR WALL INTERSECTION DETAILS

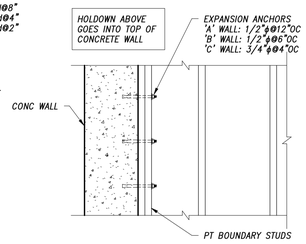
NTS



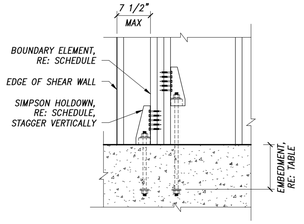
CONCEPTUAL SHEATHING LAYOUT AT SHEAR WALLS



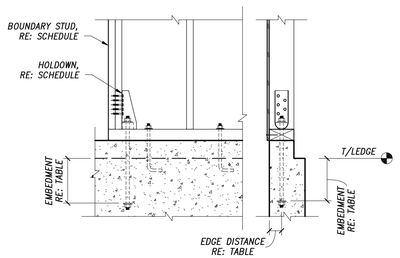
SHEAR WALL ABOVE AND BELOW



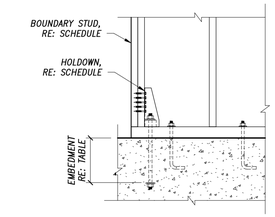
CONCRETE WALL AT END OF SHEAR WALL



DOUBLE HOLDOWN



SHEAR WALL ABOVE CONCRETE WITH CURB



SHEAR WALL ABOVE CONCRETE

HOLDOWN SCHEDULE

HOLDOWN KEY MARK	SIMPSON HOLDOWN TYPE	ANCHOR BOLT DIAMETER	MIN BOUNDARY STUD THICKNESS	ALLOWABLE TENSION LOAD
HD1	HDU4-SDS2.5	5/8"	3"	4565 LB
HD2	HDU8-SDS2.5	7/8"	4 1/2"	7870 LB
HD3	HDU11-SDS2.5	1"	7 1/4"	11100 LB
HD4	HDU14-SDS2.5	1"	7 1/4"	14400 LB
HD5	(2) HDU8-SDS2.5	7/8"	10"	15740 LB
CONC	N/A	N/A	3"	VARIES
HSS	N/A	N/A	3"	VARIES

NOTES:
1. ALLOWABLE TENSION LOADS ASSUME USE OF DOUGLAS FIR-LARCH OR COMPOSITE LUMBER BOUNDARY STUDS.
2. USE ALL HARDWARE PROVIDED WITH HOLDOWN, RE: SIMPSON MANUAL FOR OTHER INSTALLATION REQUIREMENTS.
3. BOUNDARY STUDS NOT ALWAYS SHOWN ON PLAN, CONTRACTOR TO COORDINATE WITH ARCHITECTURAL DRAWINGS AND MANUFACTURER'S OFFSET FOR PROPER PLACEMENT.
4. WHERE DOUBLE HOLDOWN AND A SINGLE HOLDOWN OPTION ARE SHOWN, IT IS CONTRACTOR'S OPTION WHICH TO USE.

TABLE: ANCHOR ROD EMBEDMENT

TYPE	ANCHOR BOLT DIAMETER	EMBEDMENT	MINIMUM WALL THICKNESS	MINIMUM EDGE DISTANCE
EMBEDDED ANCHOR	5/8"	15"	8"	3"
	7/8"	24"	8"	3"
	1"	42" *	8"	3"
HDS	(2) 7/8"	12"	N/A IN FTG	12"

NOTES:
1. USE ASTM F1554 GRADE 36 ANCHOR RODS.
2. DO NOT TORQUE ANCHORS
* LAP SPLICE ANCHOR ROD TO WALL REINFORCEMENT.

HOLDOWN STRAP SCHEDULE

HOLDOWN KEY MARK	SIMPSON STRAP TYPE AND QUANTITY	TOTAL NAILS EACH STRAP	END LENGTH EACH STRAP	MIN BOUNDARY STUD THICKNESS	ALLOWABLE TENSION LOAD
HD6	(2) CMST14	(66) 10d	30"	7 1/4"	12950 LB

NOTES:
1. ALLOWABLE TENSION LOADS, END LENGTHS, AND NAIL QUANTITIES ASSUME USE OF DOUGLAS FIR-LARCH OR COMPOSITE LUMBER BOUNDARY STUDS.
2. BOUNDARY STUDS NOT ALWAYS SHOWN ON PLAN, CONTRACTOR TO COORDINATE WITH ARCHITECTURAL DRAWINGS AND MANUFACTURER'S OFFSET FOR PROPER PLACEMENT.
3. PLACE STRAPS EVENLY ON BOTH SIDES OF COLUMN.

3 TYPICAL SHEAR WALL HOLDOWNS

NTS

SHEAR WALL SCHEDULE

SHEAR WALL TYPE AND CAPACITY	NAIL TYPE AND SPACING AT PANEL EDGES	FRAMING MEMBERS AT VERTICAL EDGE NAILING	NAIL TYPE AND SPACING IN FIELD (AWAY FROM EDGES)	MIN SILL PLATE AT FOUNDATION WALLS (SEE NOTE 5)	ANCHOR BOLT (SEE NOTE 14)	CFS CLIP SIZE AND SPACING	SECTION A-A	SECTION B-B	SECTION C-C	SECTION D-D (SEE NOTES 12 AND 13)	SECTION E-E (SEE NOTES 12 AND 13)
A 350 PLF	8d@4"OC	(1) 2x	8d@12"OC	(1) 2x PT SILL	5/8"ø@32"OC	SIMPSON A35 @14"OC OR SIMPSON LTP4 @14"OC (1) CLIP MIN PER BAY OF BLOCKING	VERTICAL FRAMING MEMBER; EDGE NAILING EACH SIDE OF JOINT	EDGE NAILING, EA SIDE OF JOINT; FLAT 2x EDGE BLOCKING	WASHER PLATE, RE: NOTE BELOW; EDGE NAILING AT SILL PLATE; PT SILL PLATE, RE: THIS SCHEDULE; ANCHOR BOLT, RE: THIS SCHEDULE	FLOOR EDGE NAILING 16d@4"OC; 16d@"FLOOR EDGE NAILING" SPACING; 2x BLOCKING; EDGE NAILING EACH SIDE OF JOINT, TYP; SHEATHING JOINT AT TOP OF TOP PLATE; CFS CLIP, RE: THIS SCHEDULE	SIMPSON SDWS22 W/ 2 3/4" EMBED INTO TOP PLATES @15"OC; CLT PANEL; WALL EDGE NAILING; WALL TOP PLATE
B 600 PLF	10d@3"OC STAGGERED	(2) 2x GLUED AND NAILED OR (1) 3x	10d@12"OC	(1) 3x PT SILL	5/8"ø@16"OC	SIMPSON A35 @8"OC OR SIMPSON LTP4 @8"OC (1) CLIP MIN PER BAY OF BLOCKING	VERTICAL FRAMING MEMBER; 16d @4"OC STAGGERED; EDGE NAILING EACH SIDE OF JOINT, STAGGERED	EDGE NAILING, EA SIDE OF JOINT; FLAT 2x EDGE BLOCKING	WASHER PLATE, RE: NOTE BELOW; STAGGERED EDGE NAILING AT SILL PLATE(S); PT SILL PLATE, RE: THIS SCHEDULE; ANCHOR BOLT, RE: THIS SCHEDULE	FLOOR EDGE NAILING 16d@3"OC; 16d@"FLOOR EDGE NAILING" SPACING; 2x BLOCKING; EDGE NAILING EACH SIDE OF JOINT, TYP; SHEATHING JOINT AT TOP OF TOP PLATE; CFS CLIP, RE: THIS SCHEDULE	SIMPSON SDWS22 W/ 2 3/4" EMBED INTO TOP PLATES @8"OC; CLT PANEL; WALL EDGE NAILING; WALL TOP PLATE
C 1200 PLF SHEATHING ON EACH SIDE	10d@3"OC STAGGERED, EACH SIDE OF WALL	(2) 2x GLUED AND NAILED OR (1) 3x	10d@12"OC EACH SIDE OF WALL	(1) 3x PT SILL	5/8"ø@8"OC	SIMPSON A35 @8"OC AND SIMPSON LTP4 @8"OC AT BLOCKING (2) CLIP MIN PER BAY OF BLOCKING	VERTICAL FRAMING MEMBER; (2) 16d@4"OC STAGGERED; EDGE NAILING EACH SIDE OF JOINT, STAGGERED, TYP BOTH SIDES OF WALL	(2) 16d@ 4"OC STAGGERED; STAGGERED EDGE NAILING, EA SIDE OF JOINT; (2) 2x OR (1) 3x EDGE BLOCKING	STAGGERED EDGE NAILING AT SOLE PLATE; NAIL SOLE PLATE (2) 16d@4"OC; WASHER PLATE, RE: NOTE BELOW; STAGGERED EDGE NAILING AT SILL PLATE(S); PT SILL PLATE, RE: THIS SCHEDULE; ANCHOR BOLT, RE: THIS SCHEDULE	FLOOR EDGE NAILING (2) 16d@3"OC; 16d@"FLOOR EDGE NAILING" SPACING; 2x BLOCKING; STAGGERED EDGE NAILING EACH SIDE OF JOINT, TYP; SHEATHING JOINT AT TOP OF TOP PLATE; CFS CLIPS, RE: THIS SCHEDULE	SIMPSON SDWS22 W/ 2 3/4" EMBED INTO TOP PLATES @4"OC; CLT PANEL; WALL EDGE NAILING; WALL TOP PLATE

NOTES:
1. ALL SHEAR WALL STUD FRAMING @16"OC UNLESS TIGHTER SPACING NOTED ON PLAN.
2. ALL FRAMING IS DOUGLAS FIR-LARCH MATERIAL OR STRUCTURAL COMPOSITE LUMBER.
3. BOUNDARY STUDS AT ENDS OF SHEAR WALLS MAY REQUIRE ADDITIONAL STUDS. SEE "TYPICAL WOOD SHEAR WALL HOLDOWNS".
4. ALL SHEAR WALLS TO BE WOOD SHEATHED WITH 32/16 SPAN RATED PLYWOOD OR OSB (15/32" MINIMUM THICKNESS). 7/16" THICKNESS PERMITTED PROVIDED PANELS ARE APPLIED WITH LONG DIMENSION ACROSS STUDS.
5. FOR SINGLE 2x SILL PLATE, COUNTERSINKING ANCHOR BOLT WASHER AND NUT IS NOT ALLOWED. FOR 3x SILL PLATE, 1" MAX COUNTERSINK OF ANCHOR BOLT WASHER AND NUT.
6. PROVIDE SLOTTED WASHER PLATE AND STANDARD WASHER AT ANCHOR BOLT CONNECTIONS. SLOTTED PLATE TO BE NO FURTHER THAN 1/2" FROM SHEATHED SIDE OF WALL PLATE. USE SIMPSON BPS5/8-3 AT 2x4 WALLS AND BPS5/8-6 AT 2x6 WALLS OR EQUIVALENT.
7. RE: "TYPICAL REQUIREMENTS FOR HOLES AND NOTCHES IN WOOD MEMBERS" FOR REINFORCING OF WALL PLATES WITH NOTCHES.
8. RE: GENERAL NOTES FOR MINIMUM DIMENSIONS FOR NOTED NAIL SIZES.
9. NAILS SHALL NOT BE OVERDRIVEN; RE: GENERAL NOTES.
10. ALL CAPACITIES SHOWN ARE ASD VALUES AND DO NOT INCLUDE INCREASES FOR WIND.
11. DO NOT BEND A35 CLIPS
12. AT INTERIOR WALLS WHERE JOISTS/RAFTERS ARE PERPENDICULAR TO THE WALL, BLOCK BETWEEN JOISTS/RAFTERS OVER WALL AND ATTACH CFS CLIP PER SCHEDULE.
13. AT INTERIOR WALLS WHERE JOISTS/RAFTERS ARE PARALLEL TO THE WALL, ALIGN A JOIST/RAFTER OVER WALL AND ATTACH WITH CFS CLIPS PER SCHEDULE.
14. RE: TYPICAL DETAILS FOR ADDITIONAL ANCHOR BOLT INFORMATION INCLUDING EMBEDMENT AND END SPACING.
15. NO HOLES SHOULD BE CUT IN SHEAR WALLS WITHOUT PRIOR WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.

1 TYPICAL WOOD SHEAR WALLS - NAILING SCHEDULE AND DETAILS

NTS

8/31/2021 9:11:03 AM

PROSPECT STUDIO
4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

KL&A
Engineers & Builders
1717 Washington Avenue, Suite 100
Golden, Colorado 80401
P: (303) 384 9910 F: (303) 384 9915
Buffalo, WY ○ Carbondale, CO ○ Golden, CO ○ Loveland, CO

Revisions

No.	Issued For	Issue Date
1	Permit Set	04.08.2021

Casita Magee

Teton Village, Wy

Project No. : 20657 Drawn: SYE
Scale: As indicated Checked: RLH

Sheet Title:
SCHEDULES

Sheet Number:
S501

MECHANICAL SPECIFICATIONS

GENERAL
1. EXAMINE AND REFER TO ALL ARCHITECTURAL, CIVIL, STRUCTURAL, ELECTRICAL, UTILITY, LANDSCAPE AND MECHANICAL DRAWINGS AND SPECIFICATIONS FOR CONSTRUCTION CONDITIONS WHICH MAY AFFECT THE MECHANICAL WORK. INSPECT THE BUILDING SITE AND EXISTING FACILITIES FOR VERIFICATION OF PRESENT CONDITIONS. MAKE PROPER PROVISIONS FOR THESE CONDITIONS IN PERFORMANCE OF THE WORK AND COST THEREOF.

2. ALL WORK ON THE PROJECT SHALL CONFORM TO ALL LOCAL CITY, STATE AND NATIONAL CODES AND REGULATIONS, INCLUDING BUT NOT LIMITED TO THE N.F.P.A., N.E.C., i.B.C., I.E.C.C., I.M.C., U.P.C., THE LOCAL UTILITY SERVING COMPANIES AND THE AUTHORITY HAVING JURDISCTION.

3. THE MECHANICAL AND ELECTRICAL CONTRACTORS SHALL BE RESPONSIBLE FOR AND PAY FOR ALL FEES AND PERMITS REQUIRED FOR WORK UNDER THEIR CONTRACT AND UNDER THEIR SUPERVISION BY SUBCONTRACT.

4. ALL USAGE CONTRACTS BETWEEN THE OWNER AND THE SERVING UTILITIES COMPANY, SUCH AS MEMBERSHIP AND USAGE CHARGES OR FEES, ETC., FOR THE PURPOSE OF OBTAINING THE SERVICES FOR THE UTILITY COMPANY SHALL BE APPLIED FOR AND PAID FOR BY THE OWNER.

5. SMOKING SHALL NOT BE PERMITTED ANYWHERE IN THIS FACILITY.

MATERIALS AND EQUIPMENT
1. MANUFACTURER'S TRADE NAMES AND CATALOG NUMBERS ARE LISTED TO INDICATE SPECIAL CONDITIONS AND QUALITY OF MATERIALS OR EQUIPMENT TO BE SUPPLIED AND INSTALLED. ALTERNATIVE EQUIPMENT OR MATERIALS MAY BE SUBMITTED FOR REVIEW FOR APPROVAL PRIOR TO ANY BIDDING. NO SUBSTITUTIONS SHALL BE ALLOWED AFTER BIDDING.

2. WRITTEN PRIOR APPROVAL FOR SUBSTITUTIONS MUST BE SUBMITTED TO AND RECEIVED BY THE ARCHITECT/ENGINEER TEN (10) DAYS PRIOR TO BID OPENING. REQUESTS FOR SUBSTITUTION ARE TO BE SUBMITTED SUFFICIENTLY AHEAD OF THE DEADLINE TO GIVE AMPLE TIME FOR EXAMINATION. PRIOR APPROVAL REQUEST FOR SUBSTITUTION MUST INDICATE THE SPECIFIC ITEM OR ITEMS TO BE FURNISHED IN LIEU OF THOSE SCHEDULED, TOGETHER WITH COMPLETE TECHNICAL AND COMPARATIVE DATA ON SCHEDULED ITEMS AND ITEMS PROPOSED FOR SUBSTITUTION.

3. HIGH ALTITUDE OPERATION: CAPACITY OF ALL EQUIPMENT IS TO BE SIZED AND MANUFACTURED TO PERFORM AT THE ELEVATION OF THE PROJECT SITE. IF NOT SPECIFICALLY INDICATED IN THE EQUIPMENT SCHEDULE OR IN THE SPECIFICATIONS PROVIDE ALL REQUIRED ACCESSORIES AND EQUIPMENT FOR PROPER OPERATION AT ELEVATION OF THE PROJECT SITE.

5. ALL PIPING INSULATION SHALL HAVE A SPREAD NOT EXCEEDING 25 AND A SMOKE DEVELOPMENT RATING NOT EXCEEDING 50. REFRIGERANT PIPING SHALL BE 1/2" THICK CLOSED CELL ELASTOMERIC - ARMACELL BY ARMAFLEX OR EQUAL.

5. ALL NEW PIPING SHALL BE IDENTIFIED WITH SETON SET MARK PIPE MARKERS, LETTERED TO MATCH EXISTING AND MARKED AT A MAXIMUM OF EVERY 25 FT. ALSO, ALL NEW VALVES SHALL BE IDENTIFIED WITH BRASS OR ALUMINUM VALVE TAGS.

6. SEE THE MECHANCIAL PIPING SCHEDULE AND THE DOMESTIC PIPING SCHEDULE ON THE DRAWINGS FOR MATERIAL AND INSULATION REQUIREMENTS.

7. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIRE-CAULKING ALL FIRE-RATED OR SMOKE-RATED WALL PENETRATIONS OF PIPING, DUCT WORK, ETC.

INTENT OF DRAWINGS
1. THE DRAWINGS ARE PARTLY DIAGRAMMATIC AND DO NOT NECESSARILY SHOW EXACT LOCATION OF PIPING AND DUCTWORK UNLESS SPECIFICALLY DIMENSIONED. RISER AND OTHER DIAGRAMS ARE SCHEMATIC AND DO NOT NECESSARILY SHOW THE PHYSICAL ARRANGEMENT OF THE EQUIPMENT. THEY SHALL NOT BE USED FOR OBTAINING LINEAL RUNS OF PIPING OR DUCTWORK, NOR SHALL THEY BE USED FOR SHOP DRAWINGS FOR PIPING AND DUCTWORK FABRICATION OR ORDERING. DISCREPANCIES SHOWN ON DIFFERENT PLANS, OR BETWEEN PLANS AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER FOR RESOLUTION.

RESPONSIBILITY
1. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF A SATISFACTORY AND COMPLETE SYSTEM IN ACCORDANCE WITH THE INTENT OF THE DRAWING AND SPECIFICATIONS. PROVIDE, AT NO EXTRA COST, ALL INCIDENTAL ITEMS, MATERIALS, ACCESSORIES AND LABOR REQUIRED FOR COMPLETION OF THE WORK EVEN THOUGH THEY ARE NOT SPECIFICALLY MENTIONED OR INDICATED ON THE DRAWINGS OR IN THE SPECIFICATIONS.

2. THE DRAWINGS DO NOT ATTEMPT TO SHOW COMPLETE DETAILS OF THE BUILDING CONSTRUCTION WHICH AFFECT THE MECHANICAL INSTALLATION; AND REFERENCE IS THEREFORE REQUIRED TO THE ARCHITECTURAL, CIVIL, STRUCTURAL, LANDSCAPE AND ELECTRICAL DRAWINGS AND SPECIFICATIONS AND TO SHOP DRAWINGS OF ALL TRADES FOR ADDITIONAL DETAILS WHICH AFFECT THE INSTALLATION OF THE WORK COVERED UNDER THIS DIVISION OF THE CONTRACT.

3. LOCATION OF MECHANICAL SYSTEM COMPONENTS SHALL BE CHECKED FOR CONFLICTS WITH OPENINGS, STRUCTURAL MEMBERS AND COMPONENTS OF OTHER SYSTEMS HAVING FIXED LOCATIONS. IN THE EVENT OF ANY CONFLICTS, THE ARCHITECT/ENGINEER SHALL BE CONSULTED AND HIS DECISION SHALL GOVERN. NECESSARY CHANGES SHALL BE MADE AT THE CONTRACTOR'S EXPENSE.

4. TAKE EXTREME CAUTION NOT TO INSTALL WORK THAT CONNECTS TO EQUIPMENT UNTIL SUCH TIME AS COMPLETE SHOP DRAWINGS OF SUCH EQUIPMENT HAVE BEEN APPROVED BY THE ARCHITECT/ENGINEER. ANY WORK INSTALLED BY THE CONTRACTOR, PRIOR TO APPROVAL OF SHOP DRAWINGS, WILL BE AT THE CONTRACTOR'S RISK.

5. ALL MODIFICATIONS AND CHANGES REQUIRED DUE TO INSTALLATION OF EQUIPMENT OTHER THAN THE EQUIPMENT SCHEDULES AND SPECIFIED SHALL BE MADE AT THE CONTRACTOR'S EXPENSE, THIS INCUDEDS WORK BY OTHER TRADES. IF THE INSTALLTION OF EQUIPMENT OTHER THAN THE SCHEDULED AND SPECIFIED EQUIPMENT REQUIRES MODIFICATIONS TO STRUCTURE, ELECTRICAL SYSTEMS, PLUMBING SYSTEMS, FIRE PROTECTION OR FIRE ALARM SYSTEMS, ANY AND ALL CHANGES SHALL BE MADE AT THE MECHANICAL CONTRACTORS EXPENSE.

6. ALL WORK TO BE PERFORMED SHALL FIRST BE SCHEDULED AND SUBMITTED TO THE OWNER'S REPRESENTATIVE FOR ACCEPTANCE.

7. THE CONTRACTOR SHALL BE CAREFUL NOT TO BLOCK ANY PATHS OF EGRESS WHILE PERFORMING THE WORK SPECIFIED.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP OF ALL MATERIALS RESULTING FROM HIS/HER WORK. CLEANUP SHALL BE PERFORMED TO THE LEVEL OF ACCEPTANCE OF THE OWNER'S REPRESENTATIVE & THE ENGINEER.

9. THE CONTRACTOR SHALL AND HEREBY DOES WARRANT AND GUARANTEE THAT ALL WORK EXECUTED UNDER HIS/HER CONTRACT SHALL BE FREE OF DEFECTS OF MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE(1) YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION.

REVIEW & SITE INSPECTIONS
1. ALL WORK AND MATERIAL IS SUBJECT TO REVIEW AT ANY TIME BY THE ARCHITECT/ENGINEER OR HIS REPRESENTATIVE. IF THE ARCHITECT/ENGINEER OR HIS REPRESENTATIVE FINDS MATERIAL THAT DOES NOT CONFORM TO THESE SPECIFICATIONS OR THAT IS NOT PROPERLY INSTALLED OR FINISHED, CORRECT THE DEFICIENCIES IN A MANNER SATISFACTORY TO THE ARCHITECT/ENGINEER AT THE CONTRACTOR'S EXPENSE.

SHOP DRAWINGS AND SUBMITTALS
1. WITHIN 30 DAYS AFTER AWARDING OF THE MECHANICAL CONTRACT, THE MECHANICAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND SUBMITTALS FOR THE FOLLOWING PRODUCTS:
   a. SCHEDULED MECHANICAL EQUIPMENT
   b. HYDRONIC PIPING MATERIALS
   c. GRILLES REGISTERS AND DIFFUSERS
   d. PLUMBING FIXTURES AND TRIM
   e. DOMESTIC WATER HEATERS AND ASSOCIATED ACCESSORIES
   f. DOMESTIC WATER PIPING, SANITARY WASTE AND VENT PIPING

2. ALL SHOP DRAWINGS AND SUBMITTALS SHALL BE IN THE FORM OF ELECTRONICALLY TRANSMITTED PDFS. SHOP DRAWINGS AND SUBMITTALS SHALL INCLUDE SHOP DRAWINGS AND LITERATURE SHOWING ITEM TO BE USED, SIZE, DIMENSIONS, CAPACITY, ROUGH IN, ETC., AS REQUIRED FOR COMPLETE CHECK AND INSTALLATION. MANUFACTURER'S LITERATURE SHOWING MORE THAN ONE ITEM SHALL BE CLEARLY MARKED AS TO WHICH ITEM IS BEING FURNISHED OR IT WILL BE REJECTED AND RETURNED WITHOUT REVIEW.

3. EACH ITEM SUBMITTED MUST BE CLEARLY MARKED AS FOLLOWS FOR PURPOSES OF IDENTIFICATION AND RECORD. SUBMITTALS NOT MARKED (TYPEWRITTEN ONLY) AS DESCRIBED BELOW WILL BE REJECTED AND RETURNED WITHOUT REVIEW.
DATE, NAME OF PROJECT, BRANCH OF WORK, SUBMITTED BY, SPECIFICATION OR PLAN REFERENCE:

4. PRIOR TO THEIR SUBMISSION, EACH SUBMITTAL SHALL BE THOROUGHLY CHECKED BY THE CONTRACTOR FOR COMPLIANCE WITH THE CONTRACT DOCUMENT REQUIREMENTS. EACH SUBMITTAL SHALL THEN BEAR A STAMP EVIDENCING SUCH CHECKING AND SHALL SHOW CORRECTIONS MADE, IF ANY. SUBMITTALS REQUIRING EXTENSIVE CORRECTIONS SHALL BE REVISED BEFORE SUBMISSION TO THE ENGINEER. EACH SUBMITTAL NOT STAMPED AND SIGNED BY THE CONTRACTOR EVIDENCING SUCH CHECKING WILL BE REJECTED AND RETURNED WITHOUT REVIEW.

5. REVIEW OF THE SHOP DRAWINGS AND LITERATURE BY THE ENGINEER SHALL NOT RELIEVE THE CONTRACTOR FOR RESPONSIBILITY FOR DEVIATIONS FOR THE DRAWINGS OR SPECIFICATIONS, NOR SHALL IT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR ERRORS IN THE SHOP DRAWINGS OR LITERATURE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE MATERIALS AND EQUIPMENT WHICH MEET THE SPECIFICATIONS AND JOB REQUIREMENTS.

STARTUP, TESTING AND OWNER TRAINING
1. ENGAGE A FACTORY AUTHORIZED REPRESENTATIVE TO CONDUCT AN INSPECTION OF THE INSTALLATION OF THEIR COMPANIES EQUIPMENT PRIOR TO START-UP OF ANY EQUIPMENT. THE REPRESENTATIVE SHALL SUBMIT A REPORT IDENTIFYING AND DEFICIENCIES TO THE ARCHITECT, ENGINEER AND CONSTRUCTION MANAGER. ANY DEFICIENCIES IDENTIFIED SHALL BE ADDRESSED PRIOR TO START-UP. START-UP SHALL BE CONDUCTED BY A FACTORY AUTHORIZED REPRESENTATIVE. STARTUP REPORTS SHALL BE SUBMITTED TO THE ARCHITECT AND ENGINEER ONCE COMPLETED.

2. ENTIRE NEW AIR AND WATER SYSTEMS SHALL BE COMPLETELY BALANCED TO THE SATISFACTION OF THE ENGINEER IN ACCORDANCE WITH THE STANDARDS OF NEBB. APPROVED TEST AND BALANCE CONTRACTORS ARE: RGO INC. (406) 388-0785

3. THE MECHANICAL CONTRACTOR SHALL PROVIDE 2 DAYS (16 HRS) OF TRAINING TO THE OWNER TO ENSURE THE OWNER KNOWS HOW TO OPERATE THE SYSTEMS INSTALLED UNDER THE MECHANICAL CONTRACT. PROVIDE AN ADDITIONAL 2 DAYS (16 HRS) OF ADDITIONAL SERVICE THROUGH THE FIRST YEAR OF OPERATION TO ADDRESS QUESTIONS THAT MAY ARISE.

ABBREVIATIONS

ACU	AIR CONDITIONING UNIT
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
ARCH	ARCHITECT or ARCHITECTURE
AHU	AIR-HANDLING UNIT
AMB	AMBIENT
APPROX	APPROXIMATE
ASSY	ASSEMBLY
ATM	ATMOSPHERE
AVG	AVERAGE
BD	BACKDRAFT DAMPER
BLDG	BUILDING
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BTU	BRITISH THERMAL UNIT
CC	COOLING COIL
CD	CEILING DIFFUSER
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUATION
CO	CLEAN OUT
CU	CONDENSING UNIT
°F	DEGREE FAHRENHEIT
Ø	DIAMETER
DAD	DUCT ACCESS DOOR
DB	DRY BULB
DIM	DIMENSION
DL	DOOR LOUVER
DN	DOWN
DWG	DRAWING
DX	DIRECT EXPANSION
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EF	EXHAUST FAN
EG	EXHAUST GRILLE
EL	ELEVATION
ER	EXHAUST REGISTER
ERC	ELECTRIC REHEAT COIL
ESP	EXTERNAL STATIC PRESSURE
EVAP	EVAPORATOR
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST
EXP	EXPANSION
FC	FORWARD CURVED
FCO	FLOOR CLEAN OUT
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
FDR	FIRE DAMPER
FF	FINISHED FLOOR
FLEX	FLEXIBLE
FPM	FEET PER MINUTE
FUT	FUTURE
FV	FACE VELOCITY
HC	HEATING COIL
LPG	LIQUID PROPANE GAS
NG	NATURAL GAS

HVAC / MECHANICAL LEGEND

SYMBOL	NAME	SYMBOL	NAME
	SHEET METAL DUCT		VOLUME DAMPER
	ACOUSTICAL OR INT. LINED DUCT	T	THERMOSTAT
12x8	DUCT SIZE RECTANGULAR (1ST FIGURE = FACING SIDE)	T	TEMPERATURE SENSOR
12"	DUCT SIZE ROUND (DIAMETER)	SD	DUCT SMOKE DETECTOR
	ELBOW WITH TURNING VANES		VERTICAL SUPPLY DUCT
	FLEXIBLE ROUND DUCT		VERTICAL RETURN DUCT
	SQUARE TO RND TRANSITION		VERTICAL EXHAUST DUCT
	AIR FLOW DIRECTION ARROW		SUPPLY DIFFUSER
?-? ?	DIFFUSER NAME CFM AIR FLOW		RETURN GRILLE
			EXHAUST GRILLE

DUCT MATERIAL SCHEDULE

SHAPE	FUNCTION	DESCRIPTION	MATERIAL	PRESSURE CLASS	INSULATION	R-VALUE	ADDITIONAL DETAILS
ROUND	SUPPLY	SUPPLY AIR - CONDITIONED SPACE	SPIRAL	2"	NONE	--	SEE BELOW
RECTANGULAR	SUPPLY	SUPPLY AIR - CONDITIONED SPACE	SHEET METAL	2"	NONE	--	SEE BELOW
RECTANGULAR	RETURN	RETURN AIR - CONDITIONED SPACE	SHEET METAL	2"	NONE	--	SEE BELOW
RECTANGULAR	EXHAUST	EXHAUST AIR - CONDITIONED SPACE	SHEET METAL	2"	WRAP AT 10' PRIOR TO...	R-3.5	SEE BELOW
ROUND	EXHAUST	EXHAUST AIR - CONDITIONED SPACE	SPIRAL	2"	WRAP AT 10' PRIOR TO...	R-3.5	SEE BELOW
ROUND	SUPPLY	EXTERIOR DUCT - SUPPLY AND RETURN	SPIRAL	2"	POLYGUARD / ALUMIGUARD	R-8	SEE BELOW
RECTANGULAR	SUPPLY	EXTERIOR DUCT - SUPPLY AND RETURN	SHEET METAL	2"	POLYGUARD / ALUMIGUARD	R-8	SEE BELOW
ROUND	SUPPLY	INTERIOR UNCONDITIONED...	SPIRAL	2"	WRAP	R-3.5	SEE BELOW
RECTANGULAR	RETURN	INTERIOR UNCONDITIONED...	SHEET METAL	2"	WRAP	R-3.5	SEE BELOW
ROUND	SUPPLY	6' MAXIMUM LENGTH	FLEX	2"	INTEGRAL	--	SEE BELOW

REMARKS:
1) ALL SERVICE JACKET IS TO BE SEALED AT THE EXPOSED SEAMS, EDGES AND CORNERS FOR INTERIOR WRAPPED DUCTS.
2) INTERNALLY LINE DUCTWORK TO THE FIRST TWO ELBOWS OR FIRST 15' FROM EACH ROOFTOP UNIT, FURNACE, OR FAN COIL TO AVOID EQUIPMENT NOISE TRANSMISSION THROUGH DUCTWORK.
3) FOR ALL EXTERIOR DUCTWORK, PROVIDE ALL WEATHER JACKETING EQUAL TO POLYGUARD / ALUMIGUARD ALL-WEATHER, WITH FOIL, UV RESISTANT VAPOR BARRIER AND WEATHER BARRIER MEMBRANE, SELF-STICK, SELF HEALING AND LOW TEMPERATURE ADHESIVE. COORDINATE COLOR WITH ARCHITECT. THE INTENT IS FOR THE COLOR TO MATCH THE ROOFING / MECHANICAL DECKING MATERIAL.
4) PROVIDE SEISMIC BRACING OF ALL DUCTWORK AS REQUIRED BY LOCAL CODES.
5) ALL DUCTWORK DIMENSIONS SHOWN ON PLANS ARE INSIDE CLEAR FREE AREA DIMENSIONS.
6) ALL SHEET METAL DUCTWORK SHALL BE A MINIMUM OF 24 GAGE SHEET METAL.
7) ALL DUCTWORK SHALL BE CONSTRUCTED AND INSTALLED AS PER SMACNA GUIDELINES.
8) ALL DUCTING AND INSULATION VALUES SHALL ADHERE TO THE 2012 IECC....

ENERGY CODE COMPLIANCE

1. COMPLIANCE WITH THE 2012 IECC. THESE NOTES COVER MANDATORY REQUIREMENTS OF THE CODE. ADDITIONAL REQUIREMENTS ARE NOTED ON THE PLANS AND IN THE SPECIFICATIONS.

2. MINIMUM REQUIREMENTS FOR SUPPLY AND RETURN DUCTWORK INSULATION:

   A. R-6: DUCTS LOCATED IN UNCONDITIONED SPACES
   B. R-8: DUCTS LOCATED OUTSIDE OF THE BUILDING'S INSULATION ENVELOPE (SUCH AS ABOVE THE ATTIC INSULATION)

3. CONTRACTOR SHALL VERIFY WITH THE MANUFACTURER, THE R-VALUES OF THE ACTUAL INSULATION USED. R-VALUES SHALL BE INSTALLED VALUES.

4. WHERE DUCTS USED FOR COOLING ARE EXTERNALLY INSULATED, THE INSULATION SHALL BE COVERED WITH A VAPOR RETARDER HAVING A MAXIMUM PERMEANCE OF 0.05 PERM OR ALUMINUM FOIL HAVING A MINIMUM THICKNESS OF 2 MILS. INSULATION HAVING A PERMANCE OF 0.05 PERMS OR LESS SHALL NOT BE REQUIRED TO BE COVERED. ALL JOINTS AND SEAMS SHALL BE SEALED TO MAINTAIN THE CONTINUITY OF THE VAPOR RETARDER.

5. ALL DUCT JOINTS, SEAMS, AND CONNECTIONS SHALL BE FASTENED AND SEALED WITH WELDS, GASKETS, ADHESIVES, MASTIC-PLUS-EMBEDDED-FABRIC SYSTEMS, OR TAPES, TAPES AND MASTICS SHALL BE LISTED AND LABELED PER UL181A OR UL181B. DUCT TAPE IS NOT PERMITTED AS A SEALANT ON ANY METAL DUCTS, DUCT CONNECTIONS TO FLANGES OR EQUIPMENT SHALL BE SEALED AND MECHANICALLY FASTENED.

6. MINIMUM REQUIREMENTS (THICKNESS) FOR PIPING INSULATION SHALL BE AS FOLLOWS:

FLUID	NOMINAL PIPE DIAMETER	INSULATION R-VALUE
REFRIGERANT	ANY SIZE	R-3

   THE ABOVE INSULATION IS BASED ON HAVING A CONDUCTIVITY NOT EXCEEDING 0.27 BTU-INCH/HOUR-FT2-°F

7. AN OPERATING AND MAINTENANCE MANUAL SHALL BE PROVIDED PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY. THE O&M MANUAL SHALL CONTAIN THE FOLLOWING:

   A. EQUIPMENT CAPACITY (INPUT & OUTPUT)
   B. EQUIPMENT OPERATING AND MAINTENANCE INSTRUCTIONS
   C. CONTROL SYSTEM MAINTENANCE AND CALIBRATION INFORMATION, INCLUDING WIRING DIAGRAMS, SCHEMATICS, AND CONTROL SEQUENCES
   D. CONTROL SYSTEM SETPOINTS SHALL BE SHOWN ON CONTROL DRAWINGS, AT CONTROL DEVICES
   E. A COMPLETE WRITTEN NARRATIVE ON HOW EACH MECHANICAL SYSTEM IS INTENDED TO OPERATE

MECHANICAL GENERAL NOTES

1. ALL MECHANICAL EQUIPMENT AND SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE 2018 IRC AND IMC, 2012 IECC, AND ALL LOCAL & STATE CODES.

2. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.

3. MECHANICAL CONTRACTORS SHALL RECEIVE PRIOR APPROVAL FROM THE STRUCTURAL ENGINEER BEFORE MAKING CUTS THROUGH ANY STRUCTURAL MEMBER.

4. THESE PLANS ARE SCHEMATIC IN NATURE AND MECHANICAL CONTRACTOR SHALL COORDINATE INSTALLATION WITH CONSTRUCTION SUPERVISOR AND WITH ALL OTHER TRADES TO AVOID CONFLICTS.

5. IT SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO REVIEW THE DRAWINGS FOR ALL DISCIPLINES AND PROVIDE LABOR AND MATERIALS REQUIRED FOR A COMPLETE INSTALLATION.

6. THE MECHANICAL CONTRACTORS SHALL VERIFY MOTOR VOLTAGES WITH THE ELECTRICAL DRAWINGS BEFORE ORDERING MOTORIZED EQUIPMENT AND CONTROLS.

7. ALL PROPOSED MECHANICAL EQUIPMENT SHALL BE ON THE APPROVED LIST PRIOR TO SUBMITTALS. ALL APPROVED MANUFACTURERS MUST BE CAPABLE OF MEETING THE REQUIREMENTS OF THE SPECIFIED EQUIPMENT.

8. PAINT ALL VTR'S, FLUES, EXHAUST CAPS, AND OTHER MECHANICAL ITEMS ON THE ROOF TO MATCH THE ROOF COLOR.

9. INSULATED FLEXIBLE DUCTWORK MAY BE USED FOR RUNOUTS TO GRILLES AND DIFFUSERS, IN LENGTHS OF 5'-0" OR LESS.

10. MAINTAIN MINIMUM OF 10'-0" DISTANCE BETWEEN ALL FRESH AIR INTAKES AND EXHAUST OR GAS FLUE DISCHARGES.

11. LOCATE ACCESS HATCHES SO AS TO PROVIDE OPTIMUM SERVICEABILITY TO EQUIPMENT AND/OR VALVING. SEE ARCHITECTURAL SPECIFICATION FOR TYPE AND COLOR. COORDINATE LOCATION WITH STRUCTURAL & LIGHTING.

12. WHENEVER THERE IS A DISCREPANCY BETWEEN THE RUNOUT DUCT SIZE SHOWN ON THE PLANS AND THAT SHOWN IN THE SCHEDULE, ALWAYS USE THE LARGER OF THE TWO DUCT SIZES.

13. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR VERIFICATION OF EXISTING JOB CONDITIONS PRIOR TO BID. NO ADDITIONAL COST SHALL BE AWARDED TO THE SUCCESSFUL CONTRACTOR (OR THEIR SUBCONTRACTORS) AFTER BIDS HAVE BEEN SUBMITTED AND CONTRACTS AWARDED FOR FAILURE TO VERIFY EXISTING FIELD CONDITIONS. DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION FOR ALTERNATIVE METHODS OF INSTALLATION PRIOR TO THE BIDDING OF THIS PROJECT.

14. UNLESS OTHERWISE NOTED ALL EXISTING MECHANICAL EQUIPMENT, PIPING, ETC, TO BE REMOVED SHALL BE DISPOSED OF BY THE CONTRACTOR UNDER THIS CONTRACT. THE OWNER SHALL RETAIN THE RIGHT TO KEEP ANY REMOVED ITEMS.

15. ALL HEAT EXCHANGERS SHALL BE PIPED IN COUNTERFLOW ORIENTATION.

SHEET LIST - MECHANICAL

GENERAL SYMBOLS

1	KEYED NOTE SHEET SPECIFICATION
A/1	GENERAL NOTES
XX	EQUIPMENT TAG EQUIPMENT NUMBER
X/XX	SECTION REFERENCE NUMBER SECTION REFERENCE SHEET
X/XX	DETAIL REFERENCE NUMBER DETAIL REFERENCE SHEET

PROSPECT STUDIO
4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

Energy 1

Revisions

No.	Issued For	Issue Date

Casita Magee

Teton Village, Wy

Project No. : 2022.00 Drawn: Author
Scale: As indicated Checked: Checker

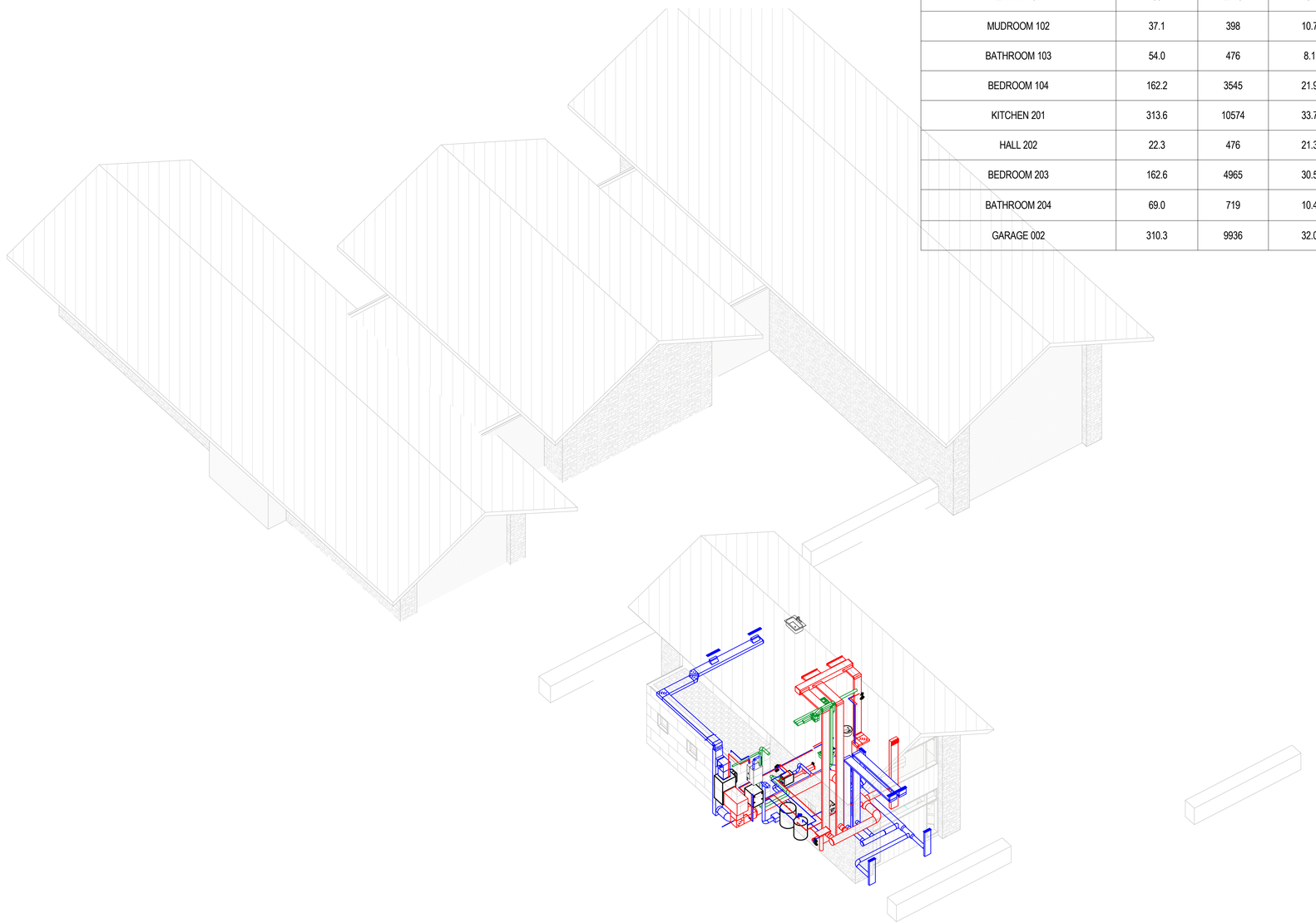
Sheet Title:
MECHANICAL COVER SHEET

Sheet Number:
M0.1

9/2/2021 5:18:47 PM

MANUAL-J/ASHRAE FUNDAMENTALS HEATING AND COOLING LOAD CALCULATIONS...

PROJECT TITLE	GOLDMAN				
PROJECT LOCATION					
DESIGNER	DYLAN DIPENTIMA			DATE	10.14.2019
DESIGN CONDITIONS (DEGREES F)	WINTER		-30	SUMMER	90
	HEATING			COOLING	
ZONE	FLOOR SQ. FT	(BTU/Hr)	BTU/HR /SQ.FT	SENSIBLE (BTU/Hr)	TOTAL (BTU/Hr)
ENTRY 101	60	2740	45.7	505	505
MUDROOM 102	37.1	398	10.7	73	73
BATHROOM 103	54.0	476	8.1	377	603
BEDROOM 104	162.2	3545	21.9	2056	2320
KITCHEN 201	313.6	10574	33.7	8245	8696
HALL 202	22.3	476	21.3	114	114
BEDROOM 203	162.6	4965	30.5	3090	3222
BATHROOM 204	69.0	719	10.4	427	427
GARAGE 002	310.3	9936	32.0	2664	2664



1 M0.2 MECHANICAL ISOMETRIC VIEW
SCALE: NTS

PROSPECT STUDIO
4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

Energy 1

Revisions

No.	Issued For	Issue Date

Casita Magee

Teton Village, Wy

Project No. : 2022.00 Drawn: Author
Scale: Checked: Checker

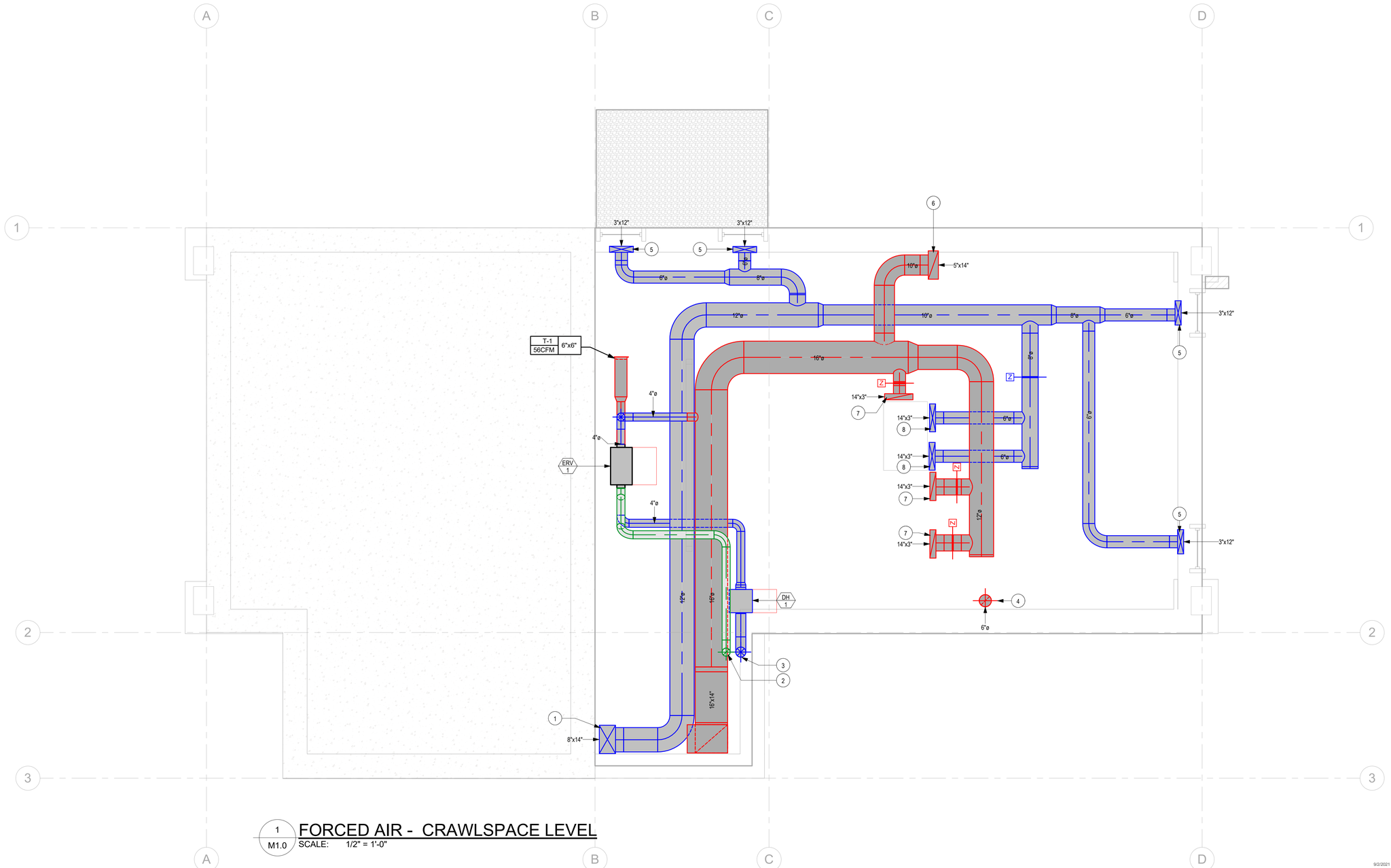
Sheet Title:
MECHANICAL ISOMETRIC VIEW

Sheet Number:
M0.2

9/2/2021 5:18:49 PM

KEYED NOTES

1. 8"X14" SUPPLY AIR DUCT UP TO ABOVE.
2. 4" EXHAUST DUCT UP TO ABOVE.
3. 5" OUTSIDE AIR DUCT UP TO ABOVE.
4. 6" TRANSFER AIR DUCT UP TO TOE KICK ABOVE. NOT TO CONNECT TO ANY DUCTWORK. PROVIDE WITH BUGSCREEN.
5. 3"X12" SUPPLY AIR DUCT UP TO SERVE GRILLE IN FLOOR ABOVE.
6. 5"X14" RETURN AIR DUCT UP INTO WALL ABOVE.
7. 3"X14" RETURN AIR DUCT UP INTO WALL ABOVE.
8. 3"X14" SUPPLY AIR DUCT UP INTO WALL ABOVE.



1 M1.0 FORCED AIR - CRAWLSPACE LEVEL
SCALE: 1/2" = 1'-0"

PROSPECT STUDIO
4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

Energy 1

Revisions

No.	Issued For	Issue Date

Casita Magee

Teton Village, Wy

Project No. : 2022.00 Drawn: Author
Scale: 1/2" = 1'-0" Checked: Checker

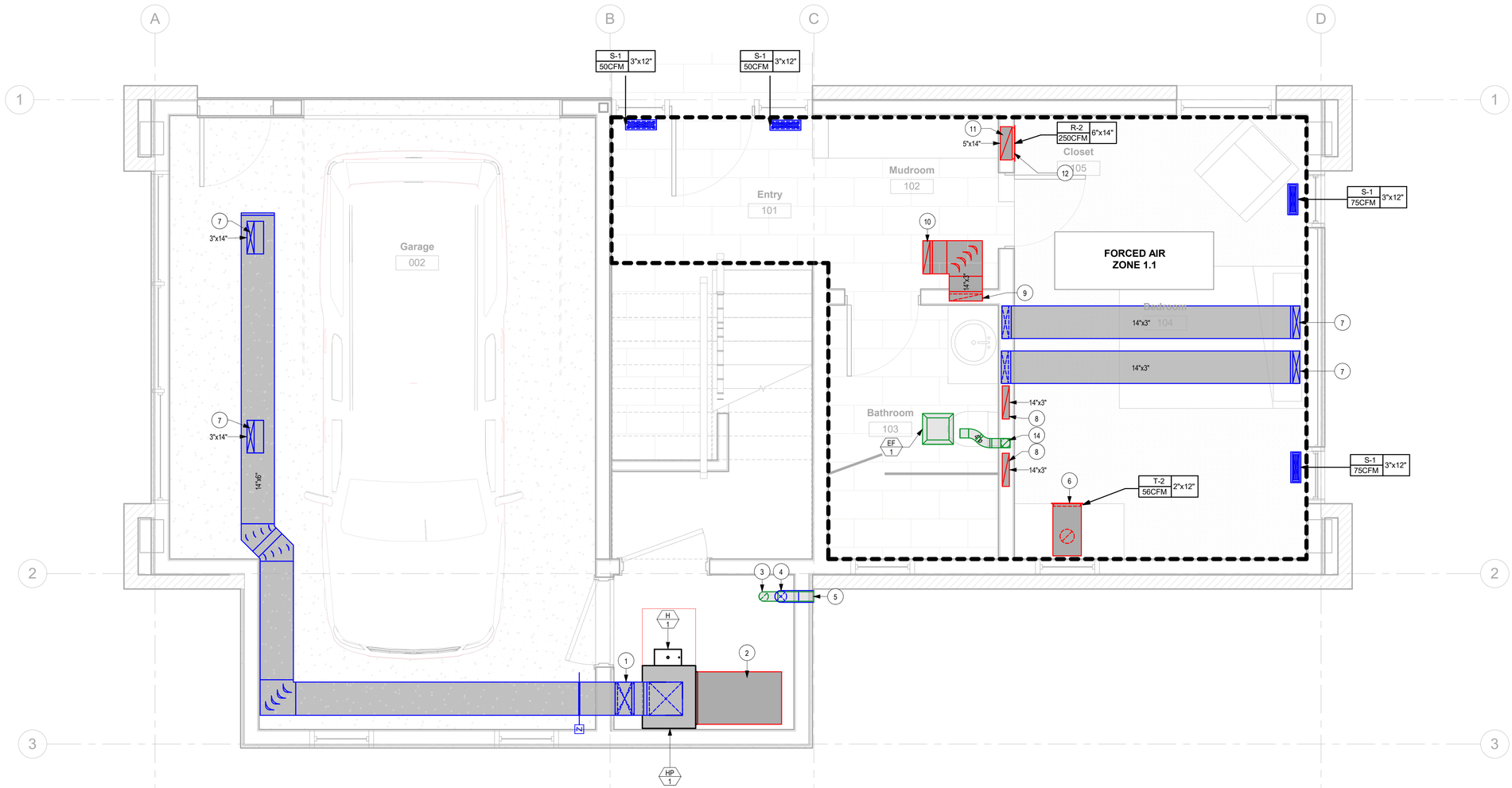
Sheet Title:
FORCED AIR CRAWLSPACE LEVEL

Sheet Number:
M1.0

9/2/2021 5:18:50 PM

KEYED NOTES

1. 8"X14" SUPPLY DUCT DOWN TO BELOW. 6"X14" SUPPLY AIR DUCT UP TO CEILING SPACE.
2. 16" RETURN DUCT DOWN INTO CRAWLSPACE.
3. 4" EXHAUST DUCT UP FROM BELOW.
4. 5" OUTSIDE AIR DUCT UP FROM BELOW. INSULATE WITH R-8 MINIMUM.
5. EXHAUST AND INTAKE WALL CAP TO BE CHOSEN BY ARCHITECT. EXHAUST TERMINATION TO BE 3 FEET ABOVE INTAKE. INTAKE TO BE 3 FEET ABOVE GRADE MINIMUM. PROVIDE BOTH WITH BACKDRAFT DAMPER.
6. TOE KICK TRANSFER AIR GRILLE.
7. 3"X14" SUPPLY AIR DUCT UP TO SERVE GRILLE IN THE FLOOR ABOVE.
8. 3"X14" RETURN AIR DUCT DOWN FROM ABOVE TO CRAWLSPACE BELOW.
9. 3"X14" RETURN AIR DUCT DOWN TO CRAWLSPACE BELOW.
10. 3"X14" RETURN AIR DUCT UP INTO WALL ABOVE.
11. 5"X14" RETURN AIR DUCT DOWN TO CRAWLSPACE BELOW.
12. RETURN GRILLE LOCATED HIGH ON WALL.
13. EXHAUST WALL CAP TERMINATION TO BE CHOSEN BY ARCHITECT.
14. EXHAUST DUCT UP IN WALL TOWARDS SHARED EXTERIOR LOUVRE ABOVE.



1 / M1.1 FORCED AIR - GROUND FLOOR
SCALE: 1/2" = 1'-0"

PROSPECT STUDIO
4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

Energy 1

Revisions

No.	Issued For	Issue Date

Casita Magee

Teton Village, Wy

Project No. : 2022.00 Drawn: Author
Scale: 1/2" = 1'-0" Checked: Checker

Sheet Title:
FORCED AIR MAIN LEVEL

Sheet Number:
M1.1

9/2/2021 5:18:51 PM

KEYED NOTES

1. 3"X14" RETURN AIR DUCT DOWN TO BELOW.
2. RETURN GRILLE LOCATED HIGH ON WALL.
3. EXHAUST WALL CAP TERMINATION TO BE CHOSEN BY ARCHITECT.
4. EXHAUST DUCT UP IN WALL TOWARDS SHARED EXTERIOR LOUVRE ABOVE.
5. ROUTE DRYER EXHAUST IN RIGID METAL DUCT.
6. PROVIDE METAL DRYER WALL CAP WITH INTEGRAL BACKDRAFT DAMPER, ROUTE DRYER EXHAUST IN RIGID METAL DUCT.

1 M1.2 FORCED AIR - UPPER LEVEL
SCALE: 1/2" = 1'-0"

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

Energy 1

Revisions

No.	Issued For	Issue Date

Casita Magee

Teton Village, Wy

Project No. : 2022.00 Drawn: Author
Scale: 1/2" = 1'-0" Checked: Checker

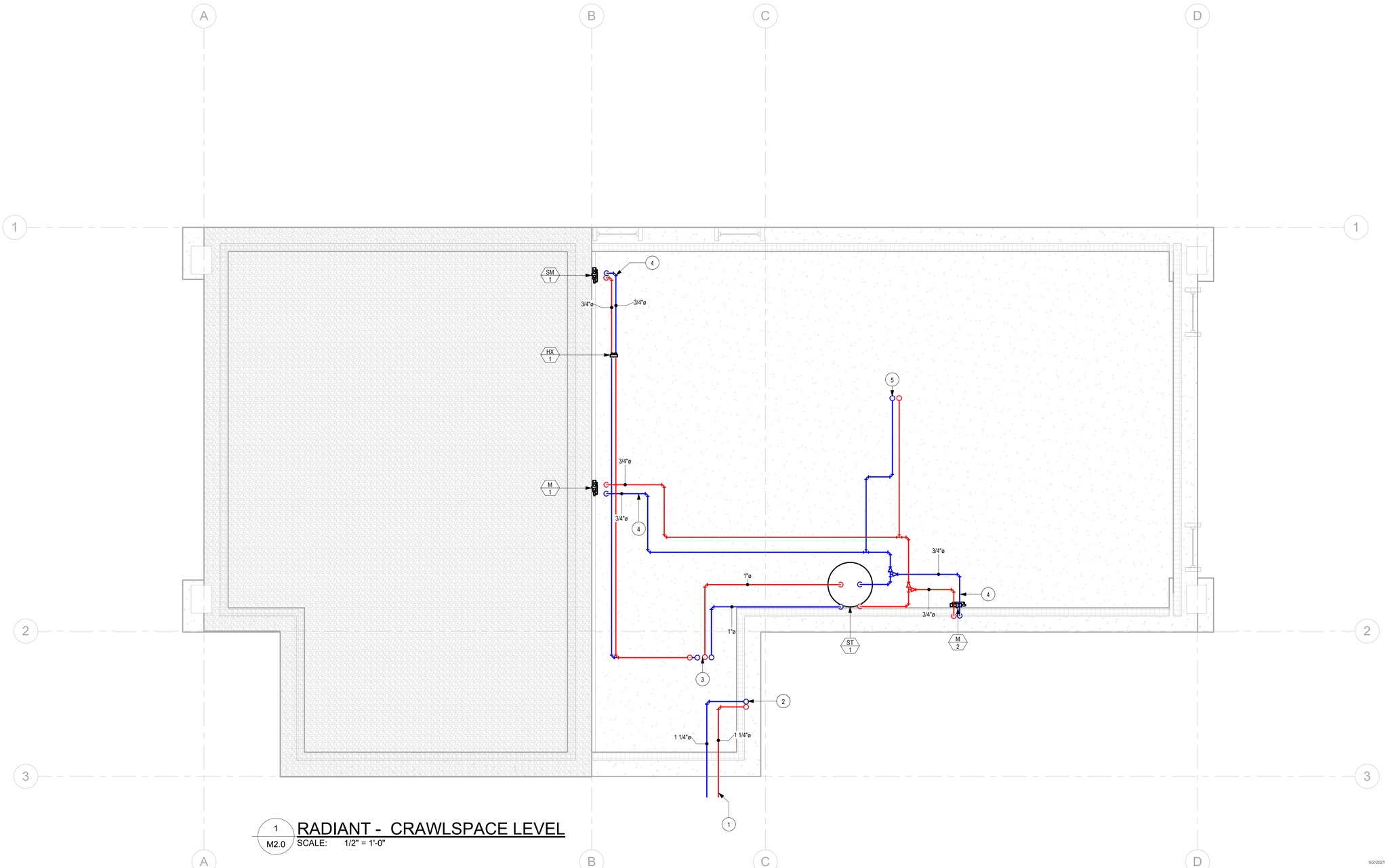
Sheet Title:
FORCED AIR UPPER LEVEL

Sheet Number:
M1.2

9/2/2021 5:18:52 PM

KEYED NOTES

1. 1-1/4" HYDRONIC SUPPLY AND RETURN LINES FROM MAIN HOUSE. SEE CIVIL FOR CONTINUATION.
2. 1-1/4" HYDRONIC SUPPLY AND RETURN UP TO SERVE HEAT PUMPS.
3. 3/4" HYDRONIC LINES DOWN FROM ABOVE.
4. 3/4" HYDRONIC LINE TO MANIFOLD.
5. 3/4" HYDRONIC LINE UP INTO WALL ABOVE.



1 M2.0 RADIANT - CRAWLSPACE LEVEL
SCALE: 1/2" = 1'-0"

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

Energy 1

Revisions

No.	Issued For	Issue Date

Casita Magee

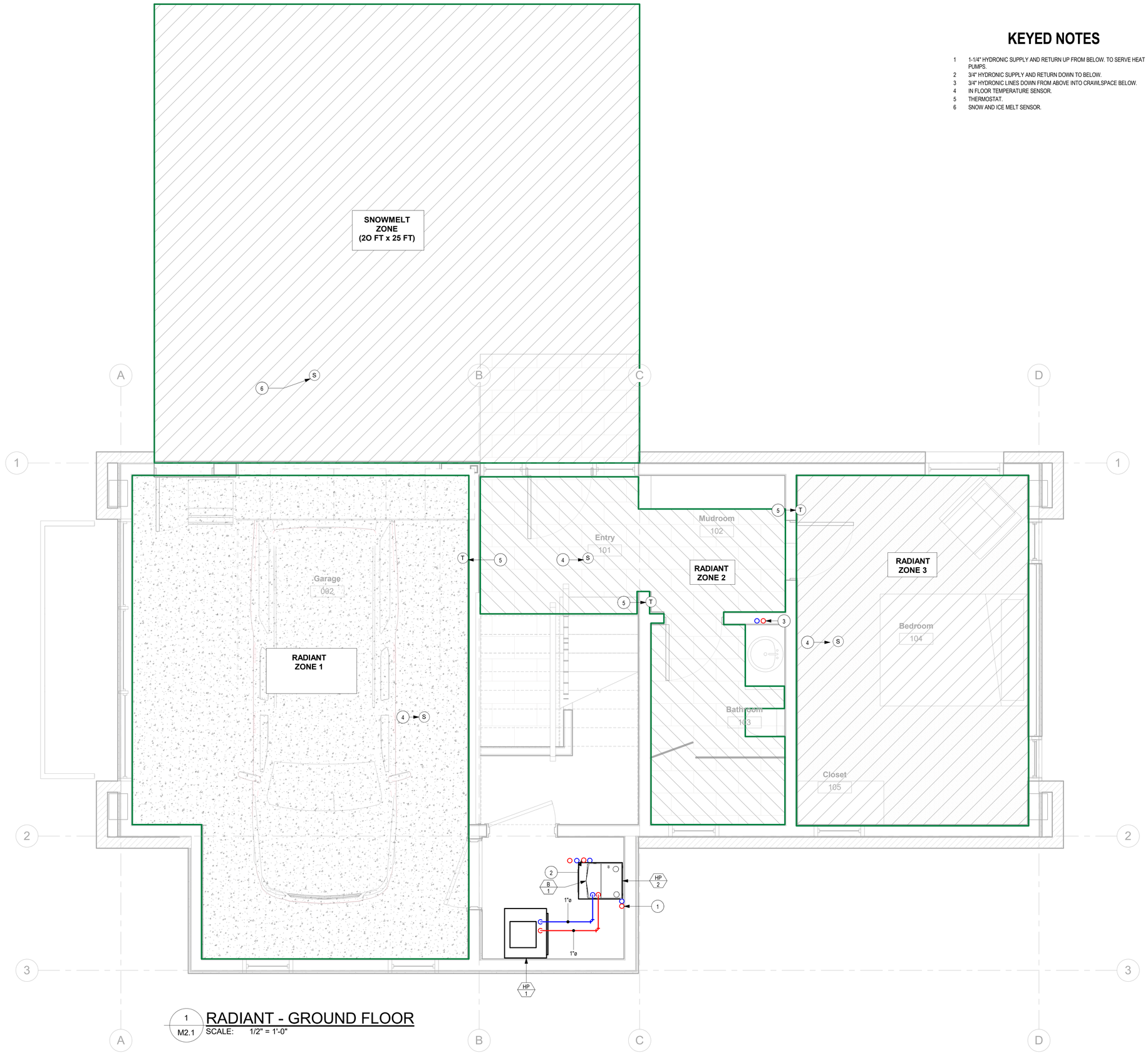
Teton Village, Wy

Project No. : 2022.00 Drawn: Author
Scale: 1/2" = 1'-0" Checked: Checker

Sheet Title:
RADIANT CRAWLSPACE LEVEL

Sheet Number:
M2.0

9/2/2021 5:18:53 PM



1 M2.1 RADIANT - GROUND FLOOR
SCALE: 1/2" = 1'-0"

KEYED NOTES

1. 1-1/4" HYDRONIC SUPPLY AND RETURN UP FROM BELOW. TO SERVE HEAT PUMPS.
2. 3/4" HYDRONIC SUPPLY AND RETURN DOWN TO BELOW.
3. 3/4" HYDRONIC LINES DOWN FROM ABOVE INTO CRAWLSPACE BELOW.
4. IN FLOOR TEMPERATURE SENSOR.
5. THERMOSTAT.
6. SNOW AND ICE MELT SENSOR.

PROSPECT STUDIO
4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

Energy 1

Revisions

No.	Issued For	Issue Date

Casita Magee

Teton Village, Wy

Project No. : 2022.00 Drawn: Author
Scale: 1/2" = 1'-0" Checked: Checker

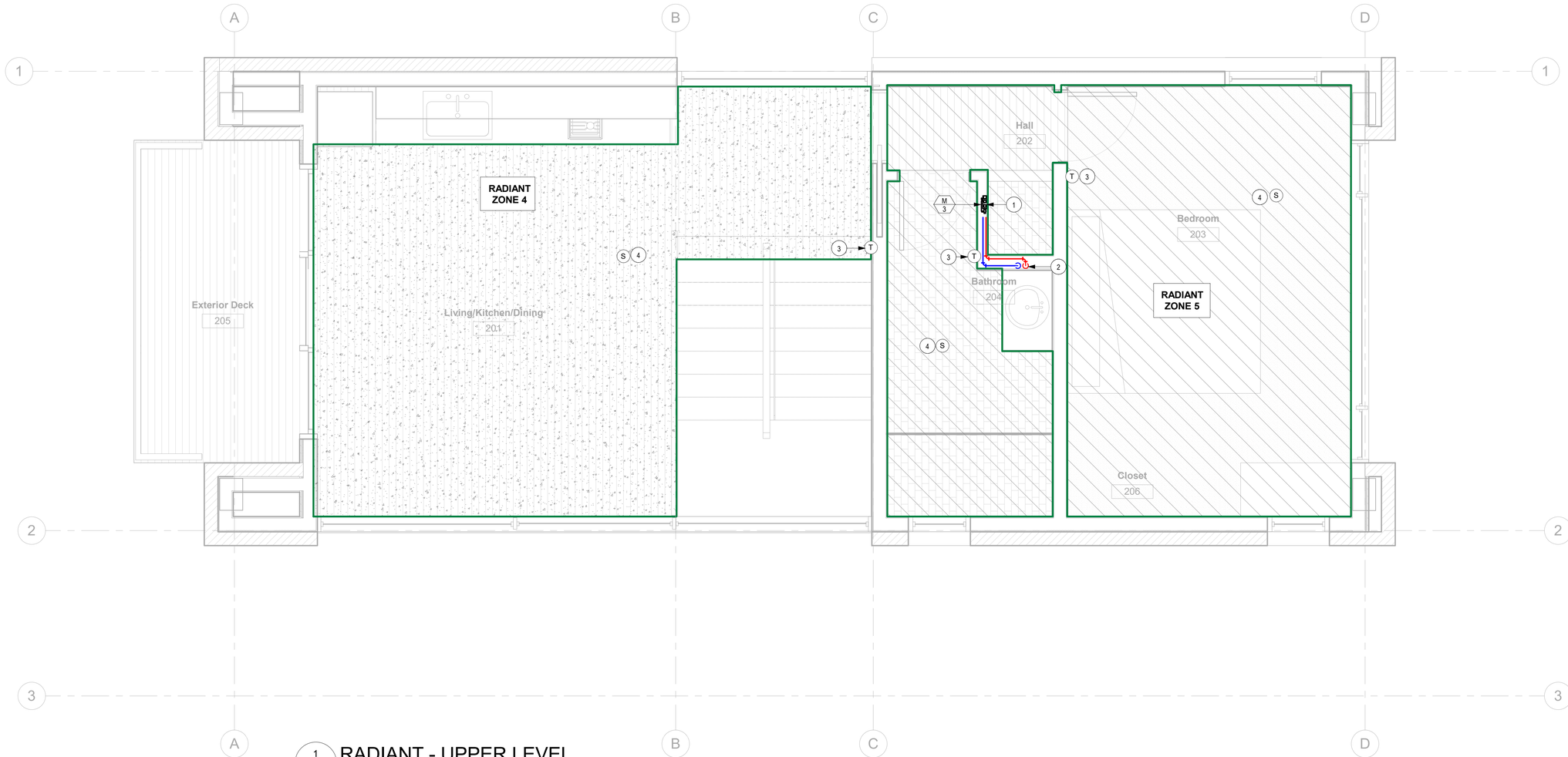
Sheet Title:
RADIANT MAIN LEVEL

Sheet Number:
M2.1

9/2/2021 5:18:54 PM

KEYED NOTES

1 GENERAL CONTRACTOR TO PROVIDE ACESS PANEL.
2 3/4" HYDRONIC SUPPLY AND RETURN DOWN TO BELOW.
3 THERMOSTAT.
4 IN FLOOR TEMPERATURE SENSOR.



1 / M2.2 RADIANT - UPPER LEVEL
SCALE: 1/2" = 1'-0"

PROSPECT STUDIO
4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

Energy 1

Revisions

No.	Issued For	Issue Date

Casita Magee

Teton Village, Wy

Project No. : 2022.00 Drawn: Author
Scale: 1/2" = 1'-0" Checked: Checker

Sheet Title:
RADIANT UPPER LEVEL

Sheet Number:
M2.2

9/2/2021 5:18:54 PM

WATER TO AIR HEAT PUMP SCHEDULE

SYMBOL	UNIT TYPE	NOMINAL TONS	SUPPLY FAN				COOLING CAPACITY AT 30° ELT, 80° EDB, 67° EWB		HEATING CAPACITY (MBH)	FLOW (GPM)	PRESSURE DROP (FT OF HEAD)	ELECTRICAL DATA FOR AIR HANDLER			FURNACE OPERATING WIEHGT (LBS)	MANUFACTURERE AND MODEL	REMARKS
			CFM	ESP	HP	V/Ø	TOTAL MBH	SENSIBLE MBH				MCA	MOCP	V/Ø			
HP-1	VERTICAL	2	700	0.50	1/2	230/1	21.9	15.4	13.7	5.0	4.61	24.5	35	230/1	300	WATER FURNACE NDV026*111CEL0AA	1,2,3,4

REMARKS:

1 ALTERNATIVE MANUFACTURERS TO BE APROVED BY ENERGY 1

2 PROVIDE UNIT WITH VERTICAL CABINET CONFIGURATION, 5 SPEED ECM MOTOR, COPPER WATER COIL, 2" MERV 11 FILTER, AURORA PERFORMANCE CONTROLS PACKAGE, AND INTELLISTART. PROVIDE HEAT PUMP VIBRATION ISOLATION PAD.

3 ELECTRICIAN TO PROVIDE ELECTRICAL DISCONNECT AT UNIT

4 PROVIDE UNIT WITH DRAIN PAN. ROUTE CONDENSATE DRAIN AND DRAIN PAN OVERFLOW TO FLOOR DRAIN OR TO SANITARY SEWER LINE. PROVIDE CONDENSATE PUMP IF REQUIRED TO REACH SANITARY SEWER GRADE. USE TRAP AND AIR GAP WHEN CONNECTING DIRECTLY TO SANITARY SEWER.

EXHAUST FAN SCHEDULE

MARK	TYPE	SERVES	BLOWER				ELECTRICAL		MAXIMUM SONES	OPERATING WEIGHT (LBS)	MANUFACTURER AND MODEL	REMARKS
			CFM	ESP	MAXIMUM RPM	DRIVE	WATTS	V/PH				
EF-1,2	CEILING CABINET	BATHROOMS	80	0.25	1113	DC	9.6	120/1	0.5	11.9	PANASONIC FV-0511VKS2	1,2,3

REMARKS:

1 ALTERNATIVE MANUFACTURERS TO BE APROVED BY ENERGY 1.

2 PROVIDE UNIT WITH BACKDRAFT DAMPER.

3 CONTROL FAN WITH SEPERATE WALL SWITCH.

ENERGY RECOVERY VENTILATOR SCHEDULE

MARK	SERVES	SUPPLY FAN		ELECTRICAL		ELECTRICAL DUCT HEATER		MANUFACTURER AND MODEL	REMARKS
		CFM	STATIC PRESSURE (IN W.G.)	MAX AMPS	V/Φ	CAPACITY	V/Φ		
ERV-1	HP-1	56	0.4	0.36	120/1	1	240	FANTECH SE 704N	1,2,3,4,5

REMARKS:

1 ALTERNATIVE MANUFACTURERS TO BE APROVED BY ENERGY 1.

2 PROVIDE UNIT WITH WALL BRACE KIT.

3 ELECTRICAL CONTRACTOR TO PROVIDE ELECTRICAL DISCONNECT.

4 SEE DETAIL FOR ROUTING, PROVIDE WITH DUCT HEATER.

5 UNIT TO RUN CONSTANTLY.

ELECTRIC DUCT HEATER SCHEDULE

MARK	SERVING	AIRFLOW (CFM)	HEATING OUTPUT (kW)	DUCT SIZE	ELECTRICAL			DIMENSIONS			TEMP RISE (F°)	MANUFACTURER AND MODEL	REMARKS
					MOCP	AMP	V/Ø	L	W	H			
DH-1	ERV-1	56	1	5"	--	4.2	240/1	11.5"	8.0	11.5"	65	THERMOLEC TER-5-1-240	1,2,3,4

REMARKS:

1 INSTALL PER MANUFACTURERS INSTRUCTIONS.

2 PROVIDE A MINIMUM OF 8" OF STRAIGHT DUCT ON EITHER SIDE OF DUCT HEATER BEFORE ANY ELBOWS OR OTHER FITTINGS.

3 UNIT TO MODULATE AND MAINTAIN 35°F TO ERV BASED ON DUCT SENSOR ON INTAKE SIDE OF DUCTWORK FOR ERV.

4 ELECTRICAL CONTRACTOR TO PROVIDE ELECTRICAL DISCONNECT.

GRILLES, REGISTERS, AND DIFFUSERS

MARK	MANUFACTURER	MODEL	TYPE	DEFLECTION AND CORE STYLE	NOMINAL SIZE	MAX CFM	REMARKS
S-1	AAG	100	SUPPLY	LINEAR BAR GRILLE	3"X12"	100	1,2,3
S-2	AAG	100	SUPPLY	LINEAR BAR GRILLE	3"X24"	200	1,2,3
S-3	AAG	100	SUPPLY	LINEAR BAR GRILLE	3"X36"	125	1,2,3
R-1	AAG	100 J BEAD	RETURN	LINEAR BAR GRILLE	3"X30"	250	1,2,3
R-2	AAG	100 J BEAD	RETURN	LINEAR BAR GRILLE	6"X14"	250	1,2,3
T-1	AAG	100	TRANSFER	LINEAR BAR GRILLE	6"X6"	56	1,2,3
T-2	AAG	100	TRANSFER	LINEAR BAR GRILLE	2"X12"	56	1,2,3

GENERAL NOTES:

1. APPROVED ALTERNATE MANUFACTURERS: GREENHECK, AMERICAN WARMING, AIROLITE, SAFE-AIR/DOWCO, LOUVERS & DAMPERS, ARROW UNITED, CESCO, NCA MANUFACTURING, NAILOR, AND POTTORFF.
2. FIELD FABRICATE PLENUM BOX FOR LOUVER. COORDINATE WITH STRUCTURAL AND ARCHITECTURAL ELEMENTS. ALL INTAKE PLENUMS SHALL CONTAIN 1/2" INTERIOR LINER.

REMARKS:

1 SIZED BASED ON A MAXIMUM NC VALUE OF 25

2 DEBRIS COVER REQUIRED DURING CONSTRUCTION.

3 PROVIDE WITH OBD OR BOOT BALANCE DAMPER.

HUMIDIFIER SCHEDULE

MARK	SERVICE	SPACE R.H.	STEAM CAPACITY (LBS/DAY)	ELECTRICAL			MANUFACTURER AND MODEL	REMARKS
				MCA	MOCP	V/Ø		
H-1	HP-1	25%	14.5	15.9	20	240/1	NORTEC RH2 DUCT	1,2,3,4,5,6

REMARKS:

1 PROVIDE APPROPRIATE WATER LINE TO UNIT.

2 DRAIN PIPE MUST BE CAPABLE OF HIGH TEMPERATURES OR PROVIDE COOL DOWN KIT.

3 PROVIDE AIRFLOW PROVING SWITCH.

4 ROUTE CONDENSATE TO SANITARY LINE, PROVIDE CONDENSATE PUMP IF NECESSARY.

5 MINIMUM DISTANCE FROM CONNECTION TO FIRST OBSTRUCTION IS 4'.

6 ELECTRICAL CONTRACTOR TO PROVIDE ELECTRICAL DISCONNECT.

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

Energy 1

Revisions

No.	Issued For	Issue Date

Casita Magee

Teton Village, Wy

Project No. : 2022.00 Drawn: Author

Scale: Checked: Checker

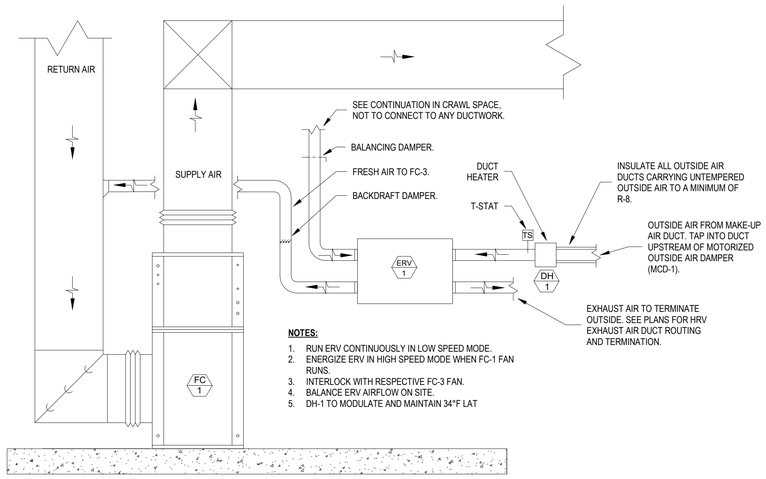
Sheet Title:

FORCED AIR SCHEDULES

Sheet Number:

M3.0

9/2/2021 5:18:55 PM



1 / M3.1 ERV DUCTING DETAIL

SCALE: NTS

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

Energy 1

Revisions

No.	Issued For	Issue Date

Casita Magee

Teton Village, Wy

Project No. : 2022.00 Drawn: Author

Scale: 6" = 1'-0" Checked: Checker

Sheet Title:

FORCED AIR DETAILS

Sheet Number:

M3.1

9/2/2021 5:18:55 PM

MANIFOLD AND TUBING SCHEDULE

RADIANT MANIFOLD	ZONE	AREA (SQFT)	LOCATIONS SERVED	CONSTRUCTION TYPE	NUMBER OF LOOPS	TUBE TYPE	LOOP LENGTH (FT)	TUBE SPACING (IN)	SUPPLY WATER (F)	DESIGN TEMP. DROP (F)	FLOW RATE (GPM)	HEAD LOSS (FT)	MAX SURFACE TEMP (F)	SUPPLY BRANCH SIZE (IN)	REMARKS
M-1	RADIANT ZONE 1	311	GARAGE	SLAB	2	1/2" PEX+	180	12	110	10	2.5	7.9	85	3/4	1
M-2	RADIANT ZONE 2	116	ENTRY, MUDROOM, BATH 103	THIN SLAB	1	1/2" PEX+	180	9	110	10	0.6	2.2	85	3/4	1
M-2	RADIANT ZONE 3	162	BED 104	THIN SLAB	1	1/2" PEX+	190	9	110	10	0.8	2.8	85	3/4	1
M-3	RADIANT ZONE 4	222	KITCHEN	THIN SLAB	2	1/2" PEX+	175	9	110	10	1.1	1.4	85	3/4	1
M-3	RADIANT ZONE 5	245	HALL, BATH 204, BED 203	THIN SLAB	2	1/2" PEX+	190	9	110	10	1.1	2.0	85	3/4	1
SM-1	SNOWMELT ZONE 1	500	GARAGE APRON	SLAB	3	3/4" PEX+	195	12	125	20	7.2	10.0	85	3/4	1

GENERAL NOTES:

1. RADIANT SUPPLY TO BE 33% GLYCOL AND 67% DISTILLED WATER MIXTURE.
2. SNOW MELT SUPPLY LIQUID TO BE 50%GLYCOL AND 50% DISTILLED WATER MIXTURE.
3. RADIANT TUBING TOBE TYPE A UPONOR hePEX OR APPROVED EQUAL.
4. RADIANT MANIFOLDS TO BE UPONOR TRUFLOW ASSEMBLIES OR APPROVED EQUAL. SUPPLY MANIFOLDS SHALL HAVE BALANCING VALVES, AND RETURN MANIFOLDS SHALL HAVE ISOLATION VALVES, VISUAL FLOW METERS, AIR VENT, AND DRAIN CONNECTIONS. PROVIDE MANIFOLD SUPPLY AND RETURN BALL VALVES WITH TEMPERATURE GAUGES.
5. ALL RADIANT TUBING LENGTHS TO BE +/- 5% OF SCHEDULED LENGTH.
6. DESIGN BASED AROUND 10 FOOT LEADER LENGTHS.

REMARKS:

1 GENERAL CONTRACTOR TO PROVIDE ACCESS PANELS TO MANIFOLDS AS NEEDED.

PUMP SCHEDULE

MARK	UNIT TYPE	SERVICE	FLOW (GPM)	HEAD (FT)	MOTOR		ELECTRICAL DATA			OPERATING WEIGHT (LBS)	MANUFACTURER AND MODEL	REMARKS
					POWER W / HP	RPM	V / Φ	AMPS	OCPD			
RP-1	IN-LINE	RADIANT FLOOR DISTRIBUTION	6.2	7.9	80 W	--	115/1	0.66	--	7.3	GRUNDFOS UPS 15-58 FC SPEED 2	1, 2, 3, 4
SMP-1	IN-LINE	SNOWMELT DISTRIBUTION	7.2	10.0	87 W	--	115/1	0.75	--	7.3	GRUNDFOS UPS 15-58 FC SPEED3	1, 2, 3, 4
HXP-1	IN-LINE	HEAT EXCHANGER SOURCE SIDE	5.1	3.2	60 W	--	115/1	0.55	--	7.3	GRUNDFOS UPS 15-58 FC SPEED 1	1, 2, 3, 4
DP-1	IN-LINE	HYDRONIC DISTRIBUTION FROM MAIN HOUSE	10.5	33.1	335 W	--	115/1	3.1	--	17.4	GRUNDFOS 26-150 F SPEED 2	1, 2, 3, 4

GENERAL NOTES:

1. APPROVED ALTERNATE MANUFACTURERS: TACO AND B&G.
2. PUMP SEALS SHALL BE COMPATIBLE WITH PROPYLENE GLYCOL.
3. BOILER CIRCULATOR BASED OFF 20°F DELTA.
4. FULLY SUPPORT INLINE PUMPS.

WATER TO WATER HEAT PUMP SCHEDULE

SYMBOL	UNIT TYPE	AHRI/ISO RATED C.O.P	GEOTHERMAL SOURCE WATER				HEATING WATER					ELECTRICAL			MANUFACTURERE AND MODEL	REMARKS
			EWT (F°)	LWT (F°)	GPM	P.D (FT HD)	EWT(F°)	LWT (F°)	HEATING (MBH)	GPM	P.D (FT HD)	FLA	MAX FUSE	V/Ø		
HP-2	WATER-WATER HEAT PUMP	2.96	30	43.8	5.5	2.99	110	97.7	30.5	5.5	1.62	21.3	35	230/1	WATER FURNACE NSW025H00ACCSS*	1,2,3,4

REMARKS:

1 ALTERNATIVE MANUFACTURERS TO BE APROVED BY ENERGY 1

2 PROVIDE UNIT WITH RAIL BASE, EXTRA QUIET CONSTRUCTION, AUTOMATIC BALANCING HOSE KIT (WITH AUTOMATIC FLOW CONTROL VALVE, TEST PLUGS, BALL VALVES, AND STRAINER), 5 YEAR COMPRESSOR WARRANTY, SCROLL COMPRESSORS, INSULATED COMPRESSOR SECTION, EXTENDED RANGE OPERATION, FX10 CONTROLS, VIBRATION ISOLATION PAD, AND COMPRESSOR SOFT START. UNIT MUST QUALIFY FOR RESIDENTIAL DEFERAL TAX CREDIT.

3 SOURCE AND LOAD SIDE SOLUTION TO BE 30% PROPYLENE GRLYCOL AND 70% DISTILLED OR DE-IONIZED WATER

4 UNIT TO BE AHRI/ISO 1256-2 RATED WITH A COEFFICIENT OF PERFORMANCE OF 4 OR GREATER.

HEAT EXCHANGER SCHEDULE

SYMBOL	SYSTEM	HOT SIDE (°F)		COLD SIDE		HX FLOW (GPM)		MAX PRESSURE LOSS (FT OF HEAD)		CONNECTION SIZE		MANUFACTURER AND MODEL	REMARKS
		ENT	LVG	ENT	LVG	HOT SIDE	COLD SIDE	HOT SIDE	COLD SIDE	HOT SIDE	COLD SIDE		
HX-2	SNOWMELT	140	120	105	125	5.1	7.2	3.2	6.2	1"	1"	KELVION GBS220H	1,2,3

REMARKS:

1 APPROVED ALTERNATIVE MANUFACTURER: SUBMIT TOENGINEER FOR APROVAL

2 PIPING CONNECTIONS TO HEAT ECHANGERS AS SHOWN ON PIPING SCHEMATICS MAY NOT REFLECT EACH MANUFACTURERS ACTUAL CONNECTION ORDER

3 HOT SIDE OF HEAT ECHANGER TO BE 70% DE-IONIZED OR DISTILLED WATER AND 30% PROPYLENE GLYCOL MIXTURE. COLD SIDE OF HEAT EXCHANGER TO BE 50% DISTILLED WATER OR DE-IONIZED WATER AND 50% PROPYLENE GLYCOL.

BOILER SCHEDULE

MARK	SERVICE	THERMAL EFFICIENCY	FUEL	INPUT (MBH)	OUTPUT (MHB)	ELECTRICAL DATA		FLOW (GPM)	MANUFACTURER AND MODEL	REMARKS
						FLA	V / PH			
B-1	RADIANT FLOOR, DOMESTIC WATER, SNOWMELT	95	NATURAL GAS	155	144	2.1	120/1	10.0	LOCHINVAR WHB110N	1,2,3,4

GENERAL NOTES:

1. SUMBIT FOR PRIOR APPROVL ON ALTERNATE MANUFACTURERS.
2. PROVIDE BOILER W/ CONTROL PANEL (CAPABLE OF OSA RESET, BOILER PUMP CONTROL, AND AUXILLIARY PUMP CONTROL), HIGH ALTITUDE BURNER, LOW WATER CUT-OFF, FLOW SWITCH, OSA RESET, CONDENSATE NEUTRALIZER KIT ROUTED TO NEAREST APPROPRIATE RECEPTOR.
3. BOILER SHALL BE PROVIDED W/ FACTORY START-UP, START-UP IS NOT COMPLETE UNTIL ALL BURNERS AND BLOWER ARE CALIBRATED FOR PEAK PERFORMANCE AND AT COMPLETION OF PROJECT ALL BURNERS, BLOWERS, HEAT EXCHANGERS, AND OTHER INTERNAL PARTS SHALL BE THOROUGHLY CLEANED OF CONSTRUCTION DEBRIS.
4. FIELD INSTALL GAS CONVERSION KIT.

STORAGE TANK SCHEDULE

SYMBOL	SERVICE	TYPE	SIZE		MANUFACTURER AND MODEL	REMARKS
			VOL (GAL)	DRY WEIGHT (LBS)		
ST-1	HYDRONIC HEATING LOOP SYSTEM	STORAGE TANK	50	70	LOCHIVAR RBT30 (34" TALL, 20.5" DIAMETER)	1

REMARKS:

1 TANK SHALL BE PROVIDED WITH FACTORY THERMAL INSULATION JACKET

MAIN MECHANICAL - GLYCOL MAKE-UP FEEDER

SYMBOL	SERVICE	TANK SIZE (GAL)	GLYCOL SET POINT	ELECTRICAL		MANUFACTURER AND MODEL	REMARKS
				MAX AMPS	V/O		
GF-1	BOILER LOOP SYSTEM	6.0	30%	1.2	120/1	AXIOM MF200	1
GF-2	SNOW MELT SYSTEM	6.0	50%	1.2	120/1	AXIOM MF200	1

REMARKS:

1: PROVIDE FEEDER WITH RIA10-1-SAA ALARM PANEL

MAIN MECHANICAL - EXPANSION TANK SCHEDULE

SYMBOL	SERVICE	TYPE	TANK (GALLONS)	ACCEPTANCE VOLUME (GALLONS)	INITIAL FILL PRESSURE (PSI)	APPROX SYSTEM VOLUME (GALLONS)	MANUFACTURER AND MODEL	REMARKS
ET-1	RADIANT HEATING SYSTEM	HORIZONTAL DIAPHRAGM TYPE	4.4	2.5	12	15	AMTROL EXTROL EX-30	1
ET-2	SNOWMELT SYSTEM	HORIZONTAL DIAPHRAGM TYPE	4.4	2.5	12	15	AMTROL EXTROL EX-30	1

REMARKS:

1: APROVED ALTERNATIVE MANUFACTURERS: TACO AND B&G

PROSPECT STUDIO
4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

Energy 1

Revisions

No.	Issued For	Issue Date

Casita Magee

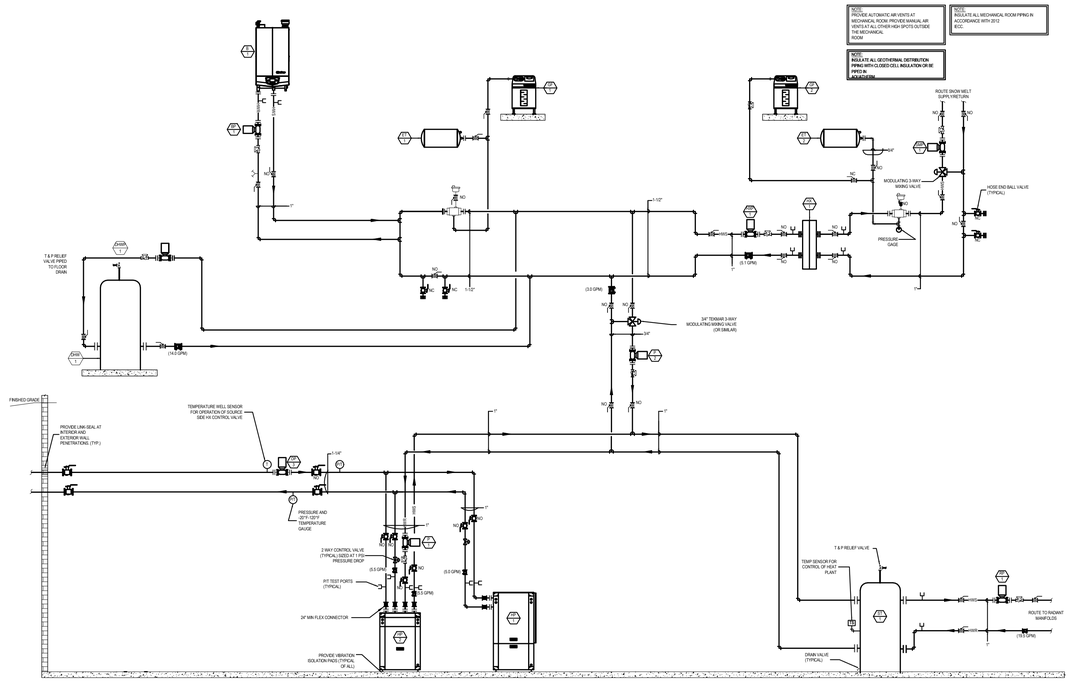
Teton Village, Wy

Project No. : 2022.00 Drawn: Author
Scale: Checked: Checker

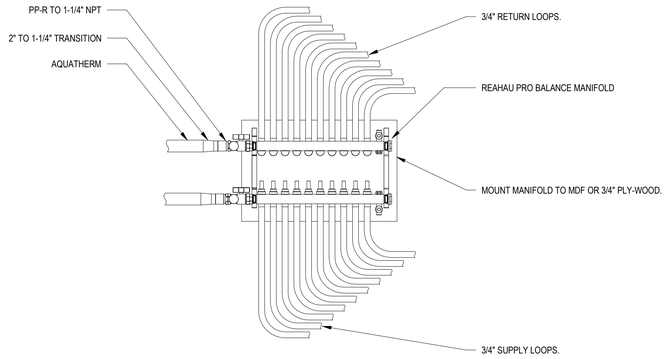
Sheet Title:
RADIANT SCHEDULES AND DETAILS

Sheet Number:
M3.2

9/2/2021 5:18:56 PM



1 M3.3 **HEADER PIPING SCHEMATIC**
SCALE: 1/8" = 1'-0"



2 M3.3 **SNOMELT MANIFOLD**
SCALE: 1/2" = 1'-0"

PROSPECT STUDIO
4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

LICENSED ARCHITECT DANIEL GRAY WISE C-3383 STATE OF WYOMING

Energy 1

Revisions

No.	Issued For	Issue Date

Casita Magee

Teton Village, Wy

Project No. : 2022.00 Drawn: Author
Scale: As indicated Checked: Checker

Sheet Title:
HYDRONIC PIPING SCHEMATIC

Sheet Number:
M3.3

9/2/2021 5:18:57 PM

ABBREVIATIONS

ACU	AIR CONDITIONING UNIT
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
ARCH	ARCHITECT or ARCHITECTURE
AHU	AIR-HANDLING UNIT
AMB	AMBIENT
APPROX	APPROXIMATE
ASSY	ASSEMBLY
ATM	ATMOSPHERE
AVG	AVERAGE
BD	BACKDRAFT DAMPER
BLDG	BUILDING
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BTU	BRITISH THERMAL UNIT
CC	COOLING COIL
CD	CEILING DIFFUSER
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUATION
CO	CLEAN OUT
CU	CONDENSING UNIT
°F	DEGREE FAHRENHEIT
Ø	DIAMETER
DAD	DUCT ACCESS DOOR
DB	DRY BULB
DIM	DIMENSION
DL	DOOR LOUVER
DN	DOWN
DWG	DRAWING
DX	DIRECT EXPANSION
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EF	EXHAUST FAN
EG	EXHAUST GRILLE
EL	ELEVATION
ER	EXHAUST REGISTER
ERC	ELECTRIC REHEAT COIL
ESP	EXTERNAL STATIC PRESSURE
EVAP	EVAPORATOR
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST
EXP	EXPANSION
FC	FORWARD CURVED
FCO	FLOOR CLEAN OUT
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
FDR	FIRE DAMPER
FF	FINISHED FLOOR
FLEX	FLEXIBLE
FPM	FEET PER MINUTE
FUT	FUTURE
FV	FACE VELOCITY
HC	HEATING COIL
LPG	LIQUID PROPANE GAS
NG	NATURAL GAS

PLUMBING/PIPING LEGEND

DHR	DOMESTIC HOT WATER RETURN
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
V	VENT
W	WASTE
LPG	PROPANE/LIQUID PETROLEUM GAS
ST	STORM DRAIN
OST	OVERFLOW STORM DRAIN
CDS	FAN COIL CONDENSATE DRAIN
	ELBOW 45°
	ELBOW 90°
	TEE
	THERMOMETER
	BALL/ISOLATION VALVE
	CHECK VALVE
	BUTTERFLY VALVE
	BALANCING VALVE
	STRAINER
	REDUCER

VALVE SCHEDULE

DOMESTIC WATER SYSTEMS:

1/2" THROUGH 2" NPS

BALL VALVE, BRONZE, TWO PIECE, FULL PORT, WITH STAINLESS TRIM, LEAD FREE - NIBCO S-585-66-LF OR EQUAL.

2" THROUGH 4" NPS

BUTTERFLY VALVE , DUCTILE IRON BODY, ALUMINUM BRONZE DISC, STAINLESS STEM, LOCKING LEVER ACTUATOR, LEAD FREE - NIBCO LD-2000 OR EQUAL

6" NPS AND LARGER

BUTTERFLY VALVE , DUCTILE IRON BODY, ALUMINUM BRONZE DISC, STAINLESS STEM, MANUAL GEAR ACTUATOR, LEAD FREE - NIBCO LD-2000 OR EQUAL

PLUMBING GENERAL NOTES

1. REFER TO SPECIFICATIONS FOR ALL PLUMBING RELATED WORK. ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE PLANS, SPECIFICATIONS AND MANUFACTURERS WRITTEN INSTRUCTIONS. ALL DEVIATIONS FROM THE PLANS AND/ORSPECIFICATIONS SHALL REQUIRE WRITTEN PRIOR APPROVAL FROM THE ENGINEER.
2. SUBMITTALS SHALL BE IN PDF FORMAT ONLY. PARTIAL OR INCOMPLETE SUBMITTALS AND PAPER COPIES WILL NOT BE REVIEWED. SUBMITTALS SHALL BE COMBINED INTO ONE FILE, WITH EACH SECTION LABELED ACCORDING TO ITS RESPECTIVE SPECIFICATION SECTION.
3. ALL PLUMBING EQUIPMENT AND SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE 2018 EDITION OF THE UNIFORM PLUMBING CODE AND THE LATEST EDITION OF ALL LOCAL AND STATE CODES.
4. ALL MECHANICAL AND PLUMBING EQUIPMENT SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.
5. PLUMBING CONTRACTORS SHALL RECEIVE PRIOR APPROVAL FROM THE STRUCTURAL ENGINEER BEFORE MAKING CUTS THROUGH ANY STRUCTURAL MEMBER.
6. PLUMBING CONTRACTORS SHALL COORDINATE INSTALLATION WITH THE GENERAL CONTRACTOR AND WITH ALL OTHER TRADES TO AVOID CONFLICTS.
7. THE PLUMBING CONTRACTORS SHALL VERIFY MOTOR VOLTAGES WITH THE ELECTRICAL DRAWINGS BEFORE ORDERING MOTORIZED EQUIPMENT AND CONTROLS.
8. ALL MECHANICAL AND PLUMBING EQUIPMENT TO BE SUBSTITUTED FOR THE EQUIPMENT SPECIFIED MUST BE ON THE APPROVED LIST PRIOR TO SUBMITTALS. ALL APPROVED MANUFACTURERS MUST BE CAPABLE OF MEETING THE REQUIREMENTS OF THE SPECIFIED EQUIPMENT.
9. LOCATE ACCESS PANELS SO AS TO PROVIDE OPTIMUM SERVICEABILITY TO EQUIPMENT AND/OR VALVING. SEE ARCHITECTURAL SPECIFICATION FOR TYPE AND COLOR. COORDINATE LOCATION WITH STRUCTURAL & GENERAL CONTRACTOR.
10. DO NOT RUN ANY PIPING OVER ELECTRICAL PANELS OR GEAR.
11. ROUTE ALL PIPIPNG AS TIGHT TO THE STRUCTURE AS POSSIBLE UNLESS OTHERWISE NOTED.

PIPING INSULATION SCHEDULE

PIPING SHALL BE INSULATED AS FOLLOWS:

DOMESTIC WATER PIPING:
1" THICK GLASS FIBER WITH VAPOR BARRIER AND ALL SERVICE JACKET
1" FLEXIBLE ELASTOMERIC

SANITARY VENT PIPING WITHIN 6FT OF ROOF TERMINATION:
1" THICK GLASS FIBER WITH VAPOR BARRIER AND ALL SERVICE JACKET

ROOF DRAIN PIPING:
1" THICK GLASS FIBER WITH VAPOR BARRIER AND ALL SERVICE JACKET

REFRIGERANT PIPING:

ALL SIZES
1" FLEXIBLE ELASTOMERIC

NOTES:

1.) ALL INSULATION SHALL HAVE MINIMUM INSULATION CONDUCTIVITY OF: 0.27 (BTU x IN) / (HR x SQFT x F)

2.) ELBOWS & TEES SHALL BE INSUALTED BY WRAPPING WITH TIW TO THICKENSS OF ADJACENT INSUALTION AND COVERING WITH PVC FITTING COVER.

3.) ALL OUTDOOR PIPING SHALL HAVE ALUMINUM JACKET AND FITTING COVERS.

4.) ALL UNDERGROUND PIPING WITHOUT INTEGRAL INSULATION SHALL HAVE UNDERGROUND DIRECT-BURIED JACKET: PROVIDE POLYGUARDE INSULRAP 50 NG OR APPROVED EQUAL.

GENERAL SYMBOLS

1	KEYED NOTE SHEET SPECIFICATION
A1	GENERAL NOTES
X XX	EQUIPMENT TAG EQUIPMENT NUMBER
X XX	SECTION REFERENCE NUMBER SECTION REFERENCE SHEET
X XX	DETAIL REFERENCE NUMBER DETAIL REFERENCE SHEET

PLUMBING MATERIAL SCHEDULE

PROVIDE THE FOLLOWING. IF MORE THAN ONE MATERIAL IS LISTED, SELECTION FROM THE LISTED MATERIALS IS AT THE CONTRACTORS OPTION. SEE DIV 22 SPECIFICATION (THEY TAKE PRECEDENCE) FOR FULL DETAILS.

DOMESTIC WATER PIPING:

OUTDOOR BELOW GRADE:
PEX, CONTIONUOUS - NO FITTINGS ALLOWED.
TYPE K SOFT COPPER, CONTINUOUS - NO FITTINGS ALLOWED
PE 100/4710, CONTINUOUS - NO FITTINGS ALLOWED

INDOOR ABOVE GRADE:
PEX WITH COLD EXPANSION FITTING AND REINFORCING RINGS - CONCEALED ONLY
TYPE L COPPER, SWEAT, WROUGHT COPPER FITTINGS - ALL EXPOSED PIPING
PPR WITH SOCKET FUSION FITTINGS

SANITARY WASTE AND VENT PIPING:

BELOW GRADE:
SCH 40 SOLID WALL PVC, PVC SOLVENT JOINT, SOCKET TYPE FITTINGS

ABOVE GRADE:
CAST IRON, HUBLESS CAST IRON FITTINGS WITH SS SHIELDED COUPLINGS- EXPOSED PIPING
SCH 40 SOLID WALL PVC, PVC SOLVENT JOINT, SOCKET TYPE FITTINGS - CONCEALED ONLY

CONDENSATE DRAIN:

ALL SIZES
SCH 40 SOLID WALL PVC, PVC SOLVENT JOINT, SOCKET TYPE FITTINGS

REFRIGERANT PIPING:

ALL SIZES
ACR COPPER, BRAZED, WROUGHT COPPER FITTINGS

NATURAL GAS PIPING:

1/2" TO 2" NPS
SCH 40 STEEL WITH THREADED FITTINGS

2-1/2" NPS AND LARGER
SCH 40 STEEL WITH WELDED & FLANGED FITTINGS

SHEET LIST - PLUMBING

PROSPECT STUDIO
4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

Energy 1

Revisions

No.	Issued For	Issue Date

Casita Magee

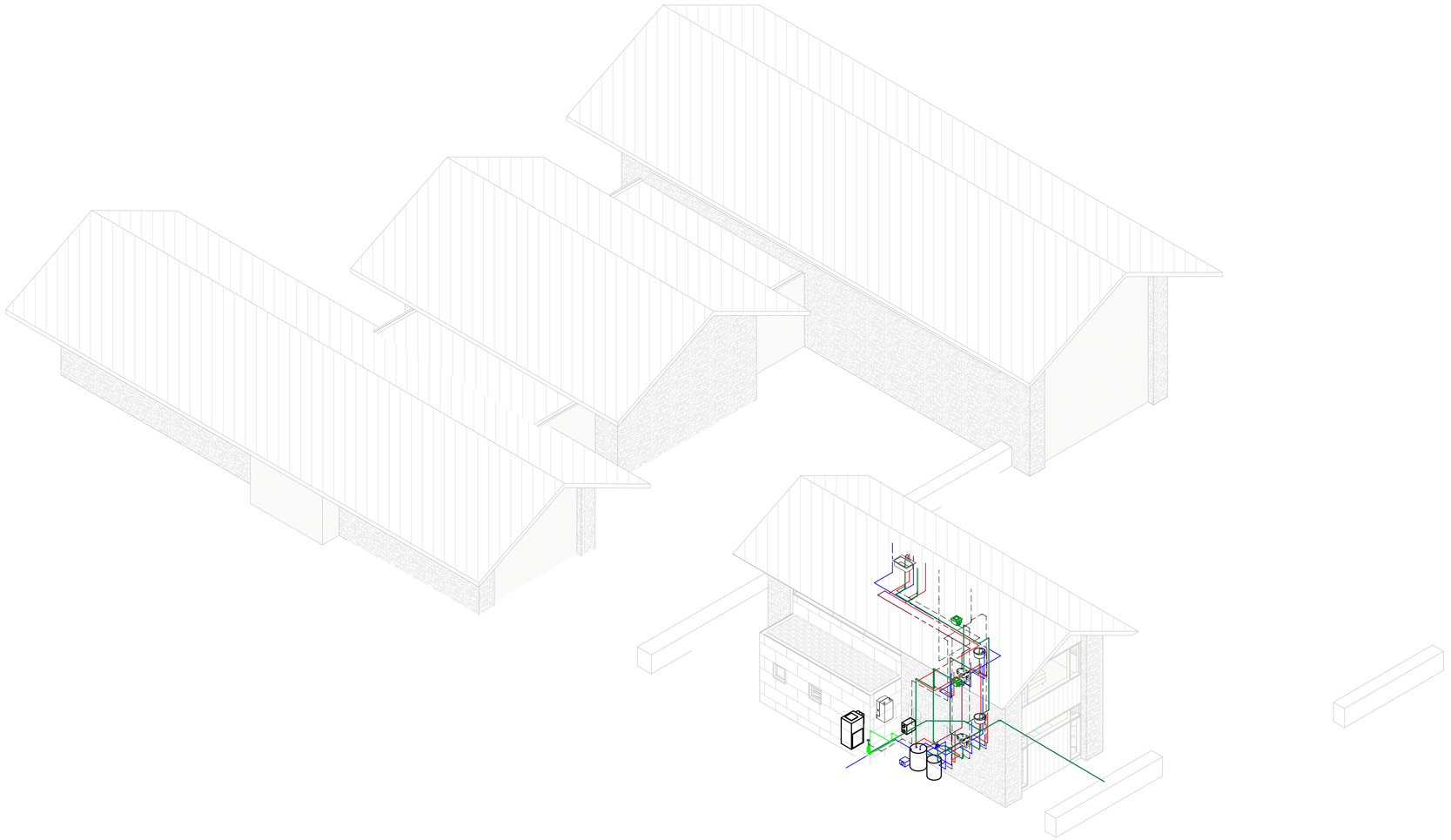
Teton Village, Wy

Project No. : 2022.00 Drawn: Author
Scale: As indicated Checked: Checker

Sheet Title:
PLUMBING COVER SHEET

Sheet Number:
P0.1

9/2/2021 5:18:57 PM



1 P0.2 PLUMBING ISOMETRIC VIEW

SCALE: NTS

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

e1 Energy 1

Revisions

No.	Issued For	Issue Date

Casita Magee

Teton Village, Wy

Project No. : 2022.00 Drawn: Author

Scale: Checked: Checker

Sheet Title:

PLUMBING ISOMETRIC VIEW

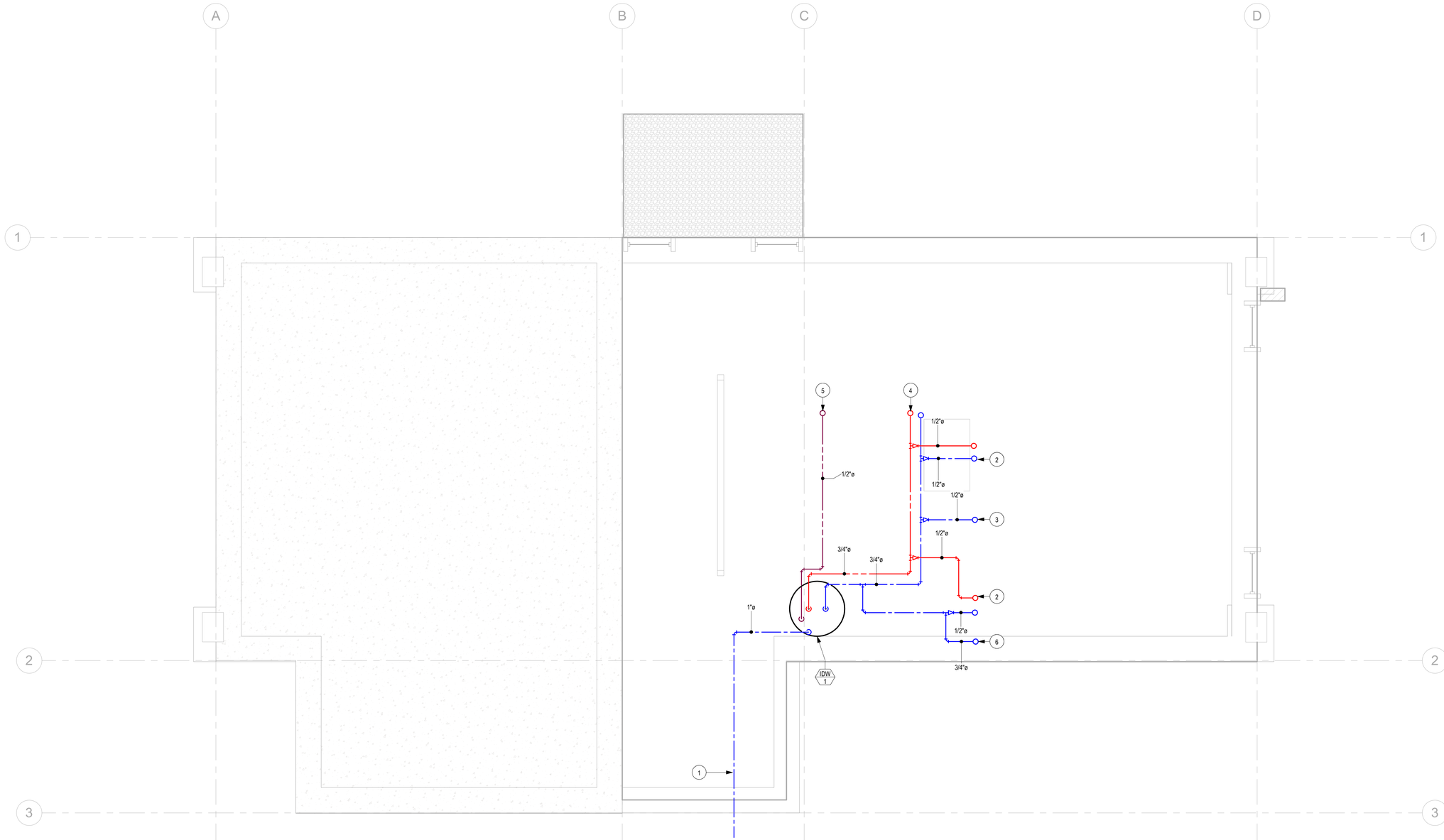
Sheet Number:

P0.2

9/2/2021 5:18:59 PM

KEYED NOTES

1 1" DOMESTIC WATER SUPPLY. SEE CIVIL FOR CONTINUATION.
2 1/2" DCW, DHW UP TO SERVE FIXTURE ABOVE.
3 1/2" DCW UP TO SERVE FIXTURE ABOVE.
4 3/4" DCW, DHW UP INTO WALL ABOVE.
5 1/2" HOT WATER RETURN DOWN FROM ABOVE.
6 3/4" DCW UP TO SERVE HOSE BIB ABOVE.



1 P1.0 DOMESTIC/GAS - CRAWLSPACE LEVEL
SCALE: 1/2" = 1'-0"

PROSPECT STUDIO
4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

Energy 1

Revisions

No.	Issued For	Issue Date

Casita Magee

Teton Village, Wy

Project No. : 2022.00 Drawn: Author
Scale: 1/2" = 1'-0" Checked: Checker

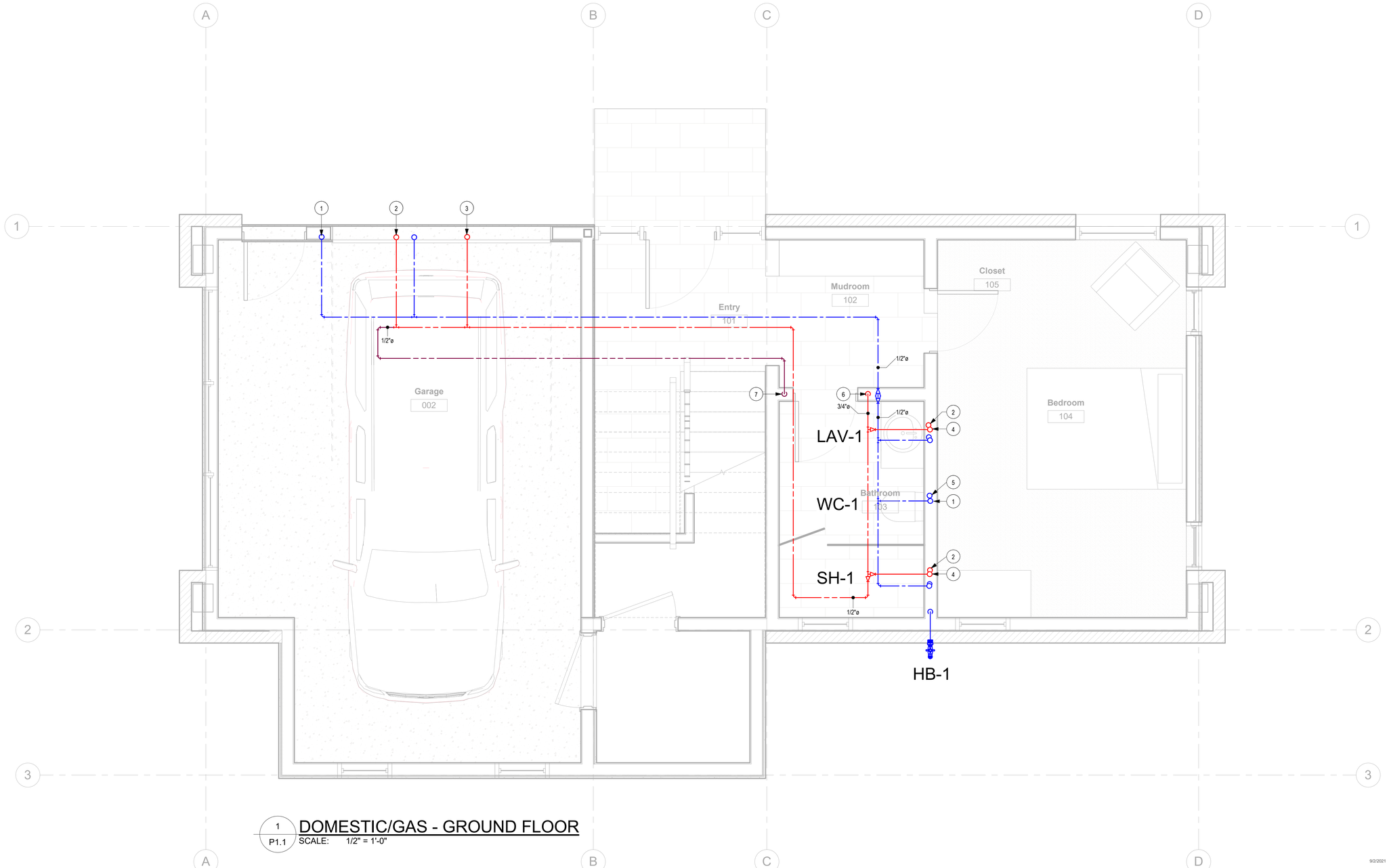
Sheet Title:
DOMESTIC PLUMBING CRAWLSPACE LEVEL

Sheet Number:
P1.0

9/2/2021 5:18:59 PM

KEYED NOTES

1. 1/2" DCW UP TO SERVE FIXTURE ABOVE.
2. 1/2" DCW, DHW DOWN TO BELOW.
3. 1/2" DHW UP TO SERVE FIXTURE ABOVE.
4. 1/2" DCW, DHW UP TO SERVE FIXTURE ABOVE.
5. 1/2" DCW DOWN TO BELOW.
6. 3/4" DCW, DHW DOWN IN WALL TO BELOW.
7. 1/2" HOT WATER RETURN DOWN IN WALL TO BELOW.



1 P1.1 DOMESTIC/GAS - GROUND FLOOR
SCALE: 1/2" = 1'-0"

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

Energy 1

Revisions

No.	Issued For	Issue Date

Casita Magee

Teton Village, Wy

Project No. : 2022.00 Drawn: Author
Scale: 1/2" = 1'-0" Checked: Checker

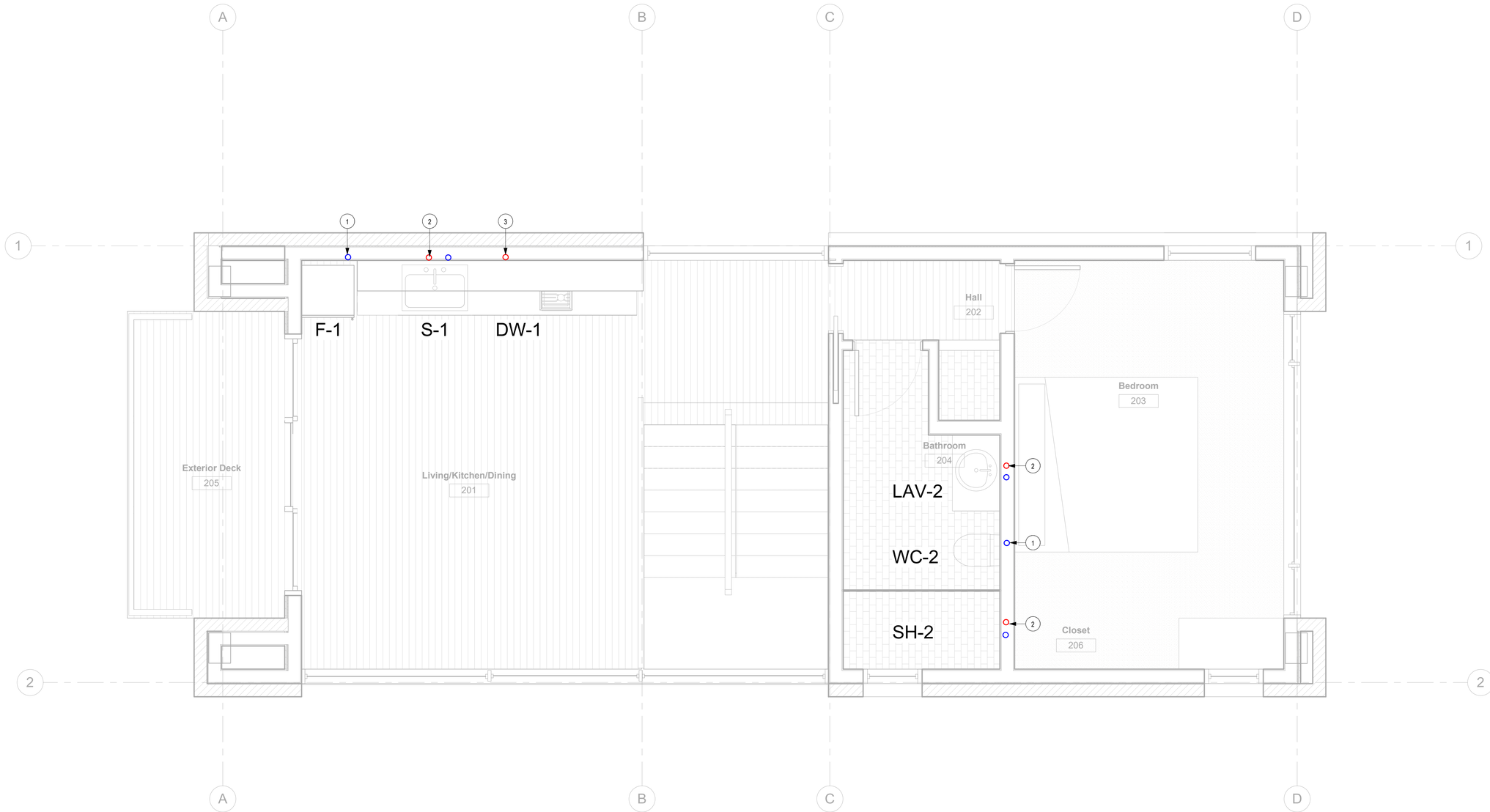
Sheet Title:
DOMESTIC PLUMBING MAIN LEVEL

Sheet Number:
P1.1

9/2/2021 5:19:00 PM

KEYED NOTES

1 1/2" DCW DOWN TO BELOW.
2 1/2" DCW, DHW DOWN TO BELOW.
3 1/2" DHW DOWN TO BELOW.



1 / P1.2 DOMESTIC/GAS - UPPER LEVEL
SCALE: 1/2" = 1'-0"

PROSPECT STUDIO
4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

Energy 1

Revisions

No.	Issued For	Issue Date

Casita Magee

Teton Village, Wy

Project No. : 2022.00 Drawn: Author
Scale: 1/2" = 1'-0" Checked: Checker

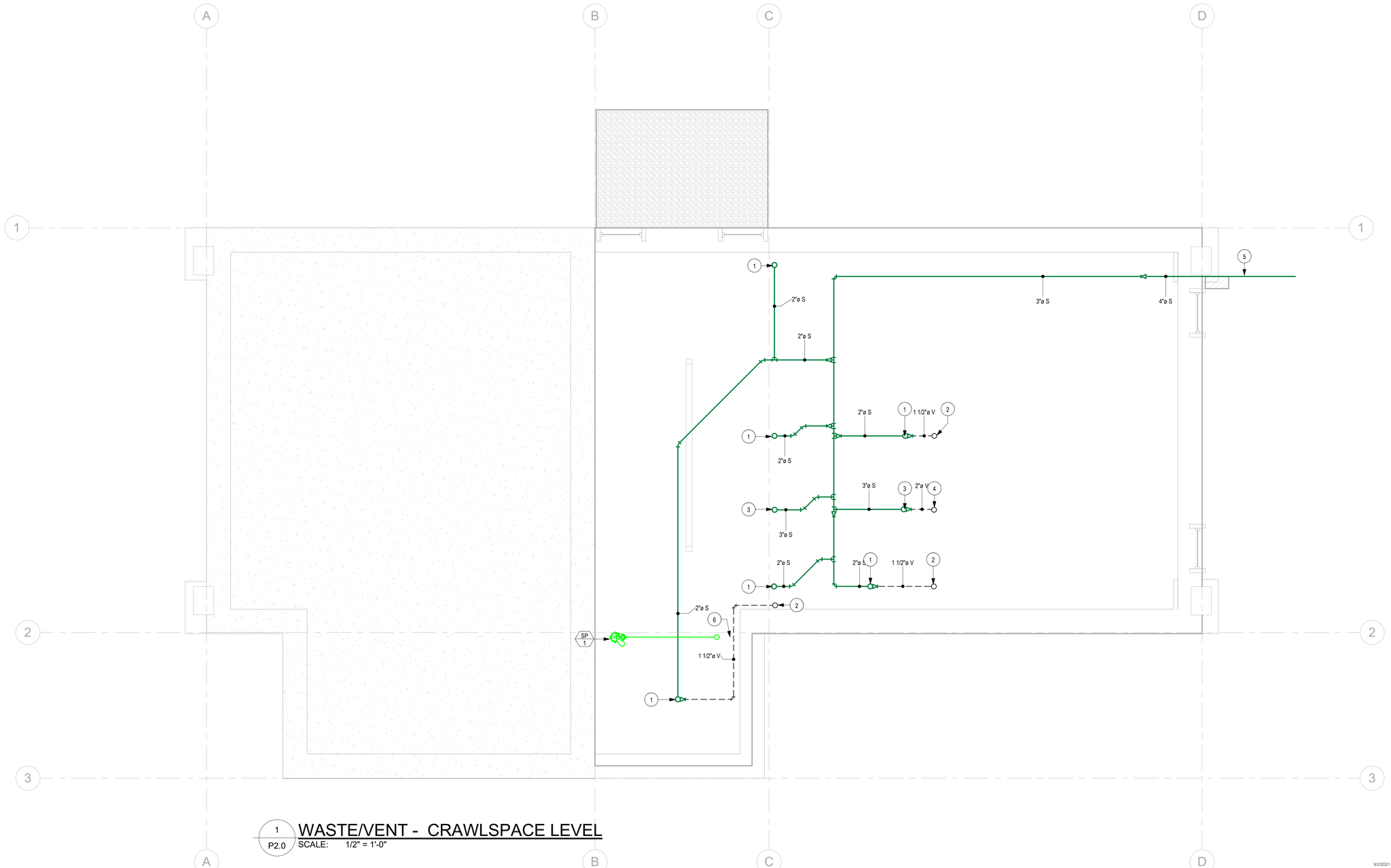
Sheet Title:
DOMESTIC PLUMBING UPPER LEVEL

Sheet Number:
P1.2

9/2/2021 5:19:00 PM

KEYED NOTES

1 2" SANITARY DOWN FROM ABOVE.
2 1-1/2" VENT UP TO ABOVE.
3 3" SANITARY DOWN FROM ABOVE.
4 2" VENT TO ABOVE.
5 4" SANITARY EXIT. SEE CIVIL FOR CONTINUATION.
6 1 1/2" STORM PIPE UP TO MECHANICAL ROOM ABOVE FROM SUMP PUMP.



1 / P2.0 WASTE/VENT - CRAWLSPACE LEVEL
SCALE: 1/2" = 1'-0"

PROSPECT STUDIO
4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

Energy 1

Revisions

No.	Issued For	Issue Date

Casita Magee

Teton Village, Wy

Project No. : 2022.00 Drawn: Author
Scale: 1/2" = 1'-0" Checked: Checker

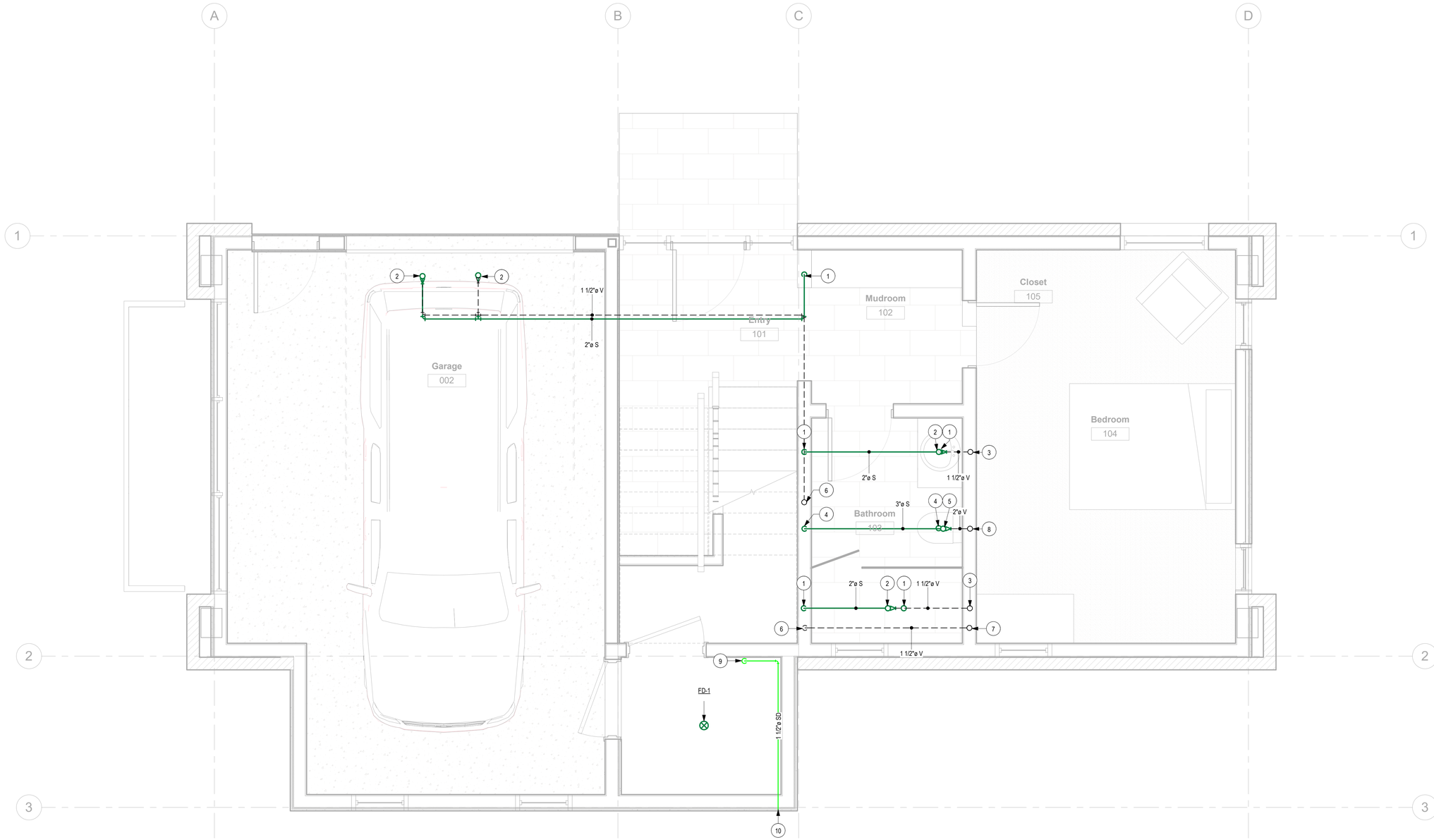
Sheet Title:
WASTE/VENT CRAWLSPACE LEVEL

Sheet Number:
P2.0

9/2/2021 5:19:01 PM

KEYED NOTES

1 2" SANITARY DOWN TO BELOW.
2 2" SANITARY DOWN FROM ABOVE.
3 1-1/2" VENT UP FROM BELOW TO ABOVE.
4 3" SANITARY DOWN TO BELOW.
5 3" SANITARY DOWN FROM ABOVE.
6 1-1/2" VENT UP FROM BELOW.
7 1-1/2" VENT UP TO ABOVE.
8 2" VENT UP FROM BELOW TO ABOVE.
9 1 1/2" STORM PIPE UP FROM SUMP PUMP BELOW.
10 1 1/2" STORM PIPE TO TERMINATE THROUGH EXTERIOR WALL OF MECHANICAL ROOM AT LAMB'S TONGUE.



1 P2.1 WASTE/VENT - GROUND FLOOR
SCALE: 1/2" = 1'-0"

PROSPECT STUDIO
4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

Energy 1

Revisions

No.	Issued For	Issue Date

Casita Magee

Teton Village, Wy

Project No. : 2022.00 Drawn: Author
Scale: 1/2" = 1'-0" Checked: Checker

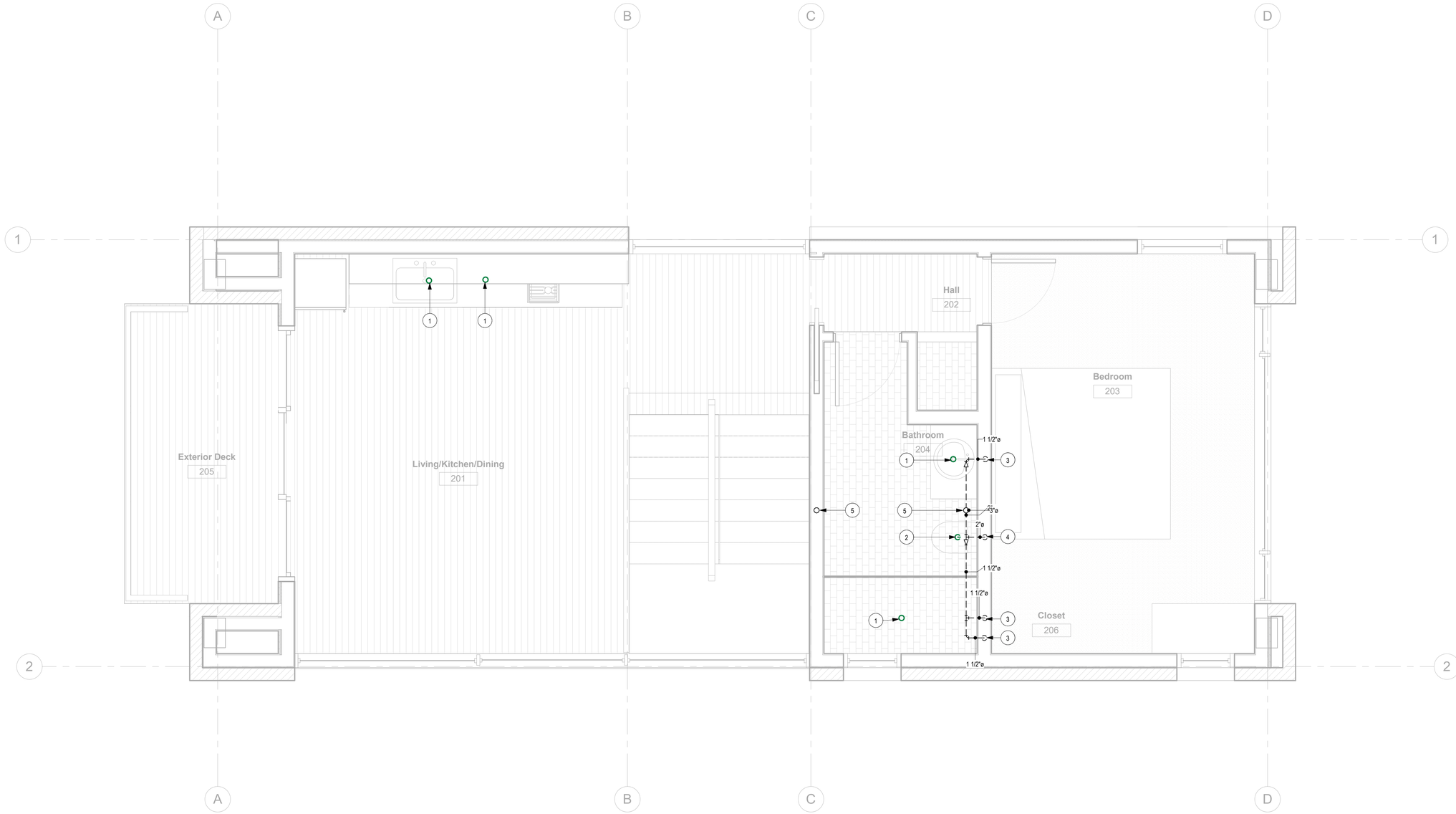
Sheet Title:
WASTE/VENT MAIN LEVEL

Sheet Number:
P2.1

9/2/2021 5:19:02 PM

KEYED NOTES

1 2" SANITARY DOWN TO BELOW.
2 3" SANITARY DOWN TO BELOW.
3 1-1/2" VENT UP FROM BELOW.
4 2" VENT UP FROM BELOW.
5 3" VENT UP THROUGH ROOF.



1 / P2.2 WASTE/VENT - UPPER LEVEL
SCALE: 1/2" = 1'-0"

PROSPECT STUDIO
4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

Energy 1

Revisions

No.	Issued For	Issue Date

Casita Magee

Teton Village, Wy

Project No. : 2022.00 Drawn: Author
Scale: 1/2" = 1'-0" Checked: Checker

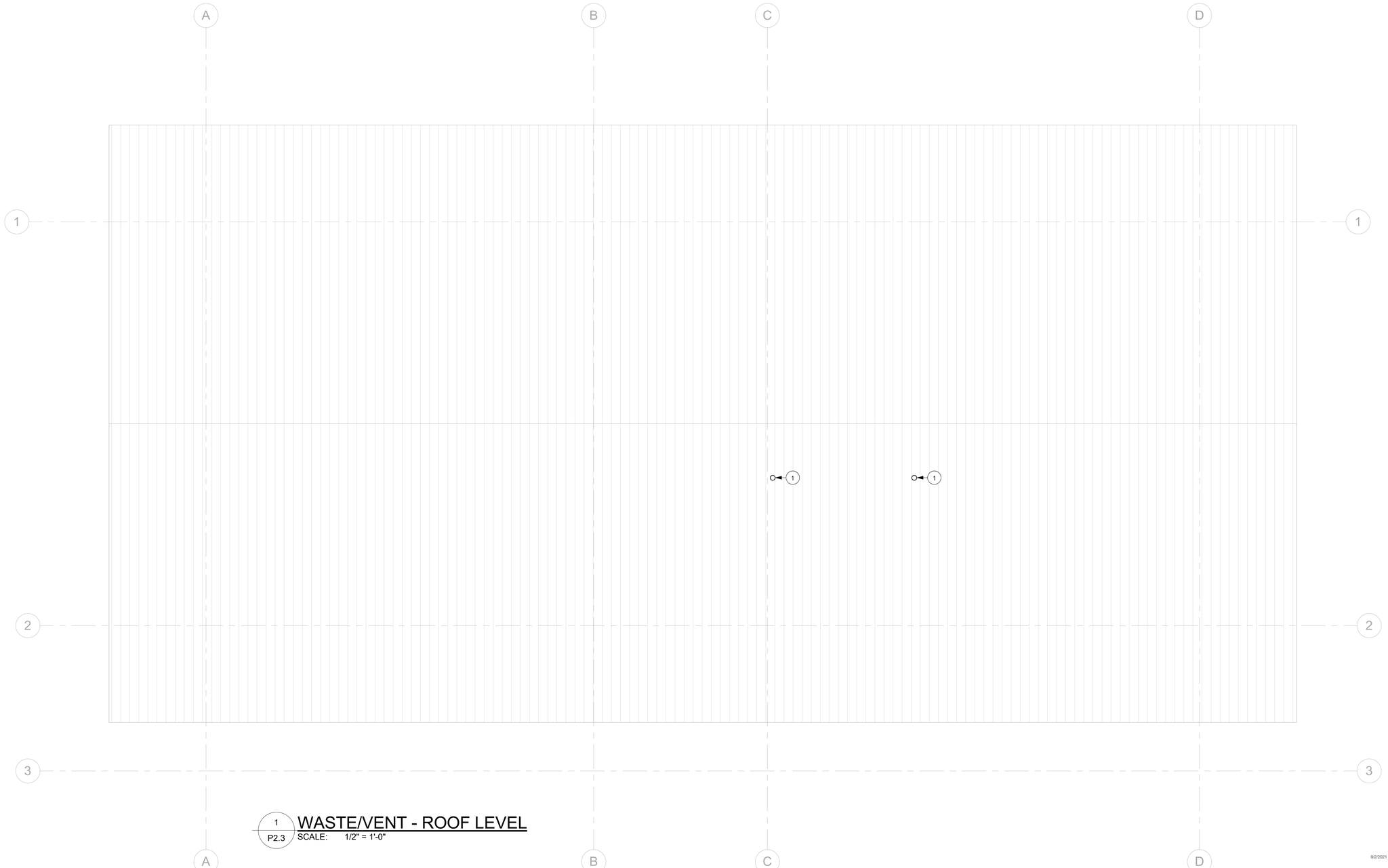
Sheet Title:
WASTE/VENT UPPER LEVEL

Sheet Number:
P2.2

9/2/2021 5:19:03 PM

KEYED NOTES

1 3" VENT THROUGH ROOF.



1 / P2.3 WASTE/VENT - ROOF LEVEL
SCALE: 1/2" = 1'-0"

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

Energy 1

Revisions

No.	Issued For	Issue Date

Casita Magee

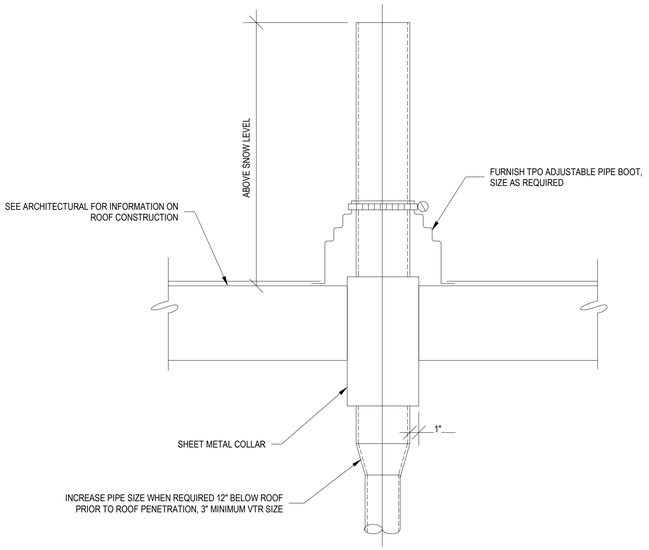
Teton Village, Wy

Project No. : 2022.00 Drawn: Author
Scale: 1/2" = 1'-0" Checked: Checker

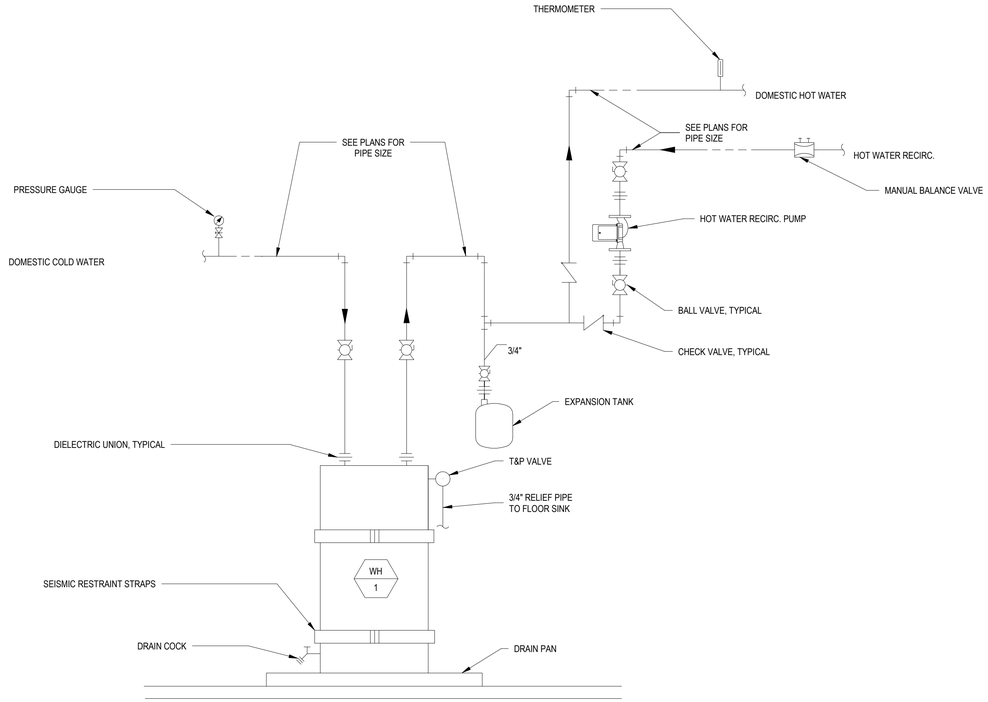
Sheet Title:
WASTE/VENT ROOF LEVEL

Sheet Number:
P2.3

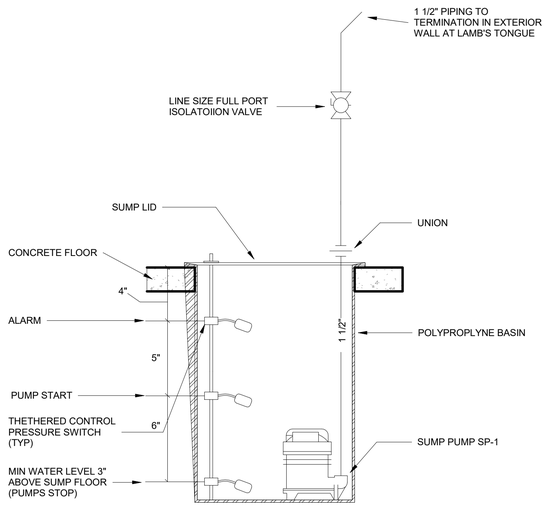
9/2/2021 5:19:03 PM



1 P3.0 VENT THROUGH ROOF
SCALE: 1/2" = 1'-0"



2 P3.0 WATER HEATER DETAIL
SCALE: 1/2" = 1'-0"



3 P3.0 SUMP PUMP DETAIL
SCALE: 1/2" = 1'-0"

PROSPECT STUDIO
4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

Energy 1

Revisions

No.	Issued For	Issue Date

Casita Magee

Teton Village, Wy

Project No. : 2022.00 Drawn: Author
Scale: 1/2" = 1'-0" Checked: Checker

Sheet Title:
PLUMBING DETAILS

Sheet Number:
P3.0

9/2/2021 5:19:03 PM

INDIRECT WATER HEATER SCHEDULE

MARK	TYPE	TANK DIMENSIONS				RECOVERY RATING		ELECTRICAL		PIPING CONNECTIONS NPT	MANUFACTURER AND MODEL	REMARKS
		CAPACITY (GAL)	HEIGHT (IN)	DIAMETER (IN)	WEIGHT (LBS)	FIRST HOUR DELIVERY...	CONTINUOUS RATING (GAL/HR @ 135°F)	WATTS	V/O	DOMESTIC WATER IN/OUT		
IDW-1	LOWBOY	29	33 5/8"	22	164	197	180	--	--	3/4"	BRADFORD WHITE SW-2-30-L	

REMARKS:

HOT WATER RECIRC PUMP SCHEDULE

MARK	UNIT TYPE	SERVICE	FLOW (GPM)	HEAD (FT)	MOTOR		ELECTRICAL DATA			OPERATING WEIGHT (LBS)	MANUFACTURER AND MODEL	REMARKS
					POWER W / HP	RPM	V / Φ	AMPS	OCPD			
RCP-1	IN LINE	HOT WATER RECIRCULATION	0.372	5.0	30 W	--	230/1	0.14	--	7.3	GRUNDFOS UPS 15-42 F SPEED 1	

GENERAL NOTES:

1. APPROVED ALTERNATE MANUFACTURERS: TACO AND B&G.
2. PUMP SEALS SHALL BE COMPATIBLE WITH PROPYLENE GLYCOL.
3. BOILER CIRCULATOR BASED OFF 20°F DELTA.
4. FULLY SUPPORT INLINE PUMPS.

SUMP PUMP SCHEDULE

MARK	UNIT TYPE	SERVICE	FLOW (GPM)	MAX HEAD LOSS	MOTOR		ELECTRICAL DATA			OPERATING WEIGHT (LBS)	MANUFACTURER AND MODEL	REMARKS
					POWER W / HP	RPM	V / Φ	AMPS	OCPD			
SP-1	SUBMERSSIBLE	STORM WATER	38 GPM	18 FT	30 W	3450	115/1	5.5	--	7.3	ZOELLER M73	

GENERAL NOTES:

1. APPROVED ALTERNATE MANUFACTURERS: SUBMIT TO ENERGY 1 FOR APPROVAL
2. DO NOT ROUTE RAW SEWAGE TO PUMP BASIN. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
3. SUPPLY WITH ZOELLER 18"X22" POLYETHYLENE BASIN AND ONE PIECE PLYETHYLENE MOLDED COVER WITH 3"X13" OPENING.
4. INSTALL SUMP PUMP WITH 10-4012 APAK INDOOR ALARM SYSTEM.

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

Energy 1

Revisions

No.	Issued For	Issue Date

Casita Magee

Teton Village, Wy

Project No. : 2022.00 Drawn: Author

Scale: Checked: Checker

Sheet Title:

PLUMBING SCHEDULES

Sheet Number:

P4.0

9/2/2021 5:19:03 PM

ELECTRICAL PROJECT NOTES

A. PRIOR TO BID CONTRACTOR SHALL VISIT THE SITE. NOT ALL WORK REQUIRED TO COMPLETE THE PROJECT IS SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL BECOME THOROUGHLY FAMILIAR WITH ALL THE WORK REQUIRED TO COMPLETE THE PROJECT IN ADDITION TO THE LOCAL CONDITIONS AND INCLUDE SAID WORK IN THE BID.

B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL ELECTRICAL SERVICE WORK WITH UTILITY. OWNER PAYS ALL FEES, CONTRACTOR DOES ALL SCHEDULING AND COORDINATION OF WORK. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE ALL SCHEDULES ARE MET.

C. GENERAL WORK PRACTICES FOR ELECTRICAL CONSTRUCTION SHALL BE IN ACCORDANCE WITH NECA 1, "STANDARD PRACTICES FOR GOOD WORKMANSHIP IN ELECTRICAL CONTRACTING." THIS PUBLICATION IS AVAILABLE FROM NECA BY TELEPHONE AT 301-657-3110 OR ON-LINE AT WWW.NECANET.ORG.

D. DURING DEMOLITION, THE CONTRACTOR SHALL NOTE ALL EXISTING RACEWAY (BOTH SURFACE AND CONCEALED) TO THE EXTENT POSSIBLE. THESE RACEWAYS SHALL BE REUSED TO THE GREATEST EXTENT POSSIBLE TO INSURE A CLEAN FINISHED PRODUCT. WHERE PRACTICAL, AND ALLOWED PER CODE, FISHING THROUGH WALLS WITH MC CABLE IS PREFERRED TO SURFACE-MOUNTED CONDUIT.

E. CONTRACTOR SHALL REMOVE, TRANSPORT, AND LEGALLY DISPOSE OF LAMPS AND BALLASTS OFF-SITE. IT IS ASSUMED THE THE BALLASTS DO NOT CONTAIN PCBs. THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY IF IT IS SUSPECTED THAT BALLASTS CONTAIN PCBs.

F. ALL POWER INTERRUPTIONS SHALL BE COORDINATED WITH OWNER. ANY DISRUPTION OF WORKERS IN THE SPACE SHALL BE KEPT TO A MINIMUM AND BE COORDINATED WITH THE OWNER PRIOR TO WORK COMMENCING IN THAT SPACE.

G. CONTRACTOR SHALL EXTEND UNSWITCHED HOT LEG FROM EXISTING EMERGENCY FIXTURE LOCATION TO NEW EMERGENCY FIXTURES. AS NEEDED. SEE DEMO PLANS FOR AN APPROXIMATION OF EXISTING EMERGENCY FIXTURE LOCATIONS. FIELD VERIFY EXACT LOCATION PRIOR TO BID.

H. IT IS THE CONTRACTORS RESPONSIBILITY TO COORDINATE WITH MECHANICAL FOR PLENUM SPACES AND PROVIDE PLENUM RATED CABLES WHERE REQUIRED FOR LIGHTING CONTROL, DATA, FIRE ALARM AND ALL OTHER L.V. SYSTEMS NOT INSTALLED IN CONDUIT. VERIFY CONDUIT REQUIREMENTS ON DRAWINGS AND SPECIFICATIONS.

I. FIRE-RESISTANCE: PROVIDE A MINIMUM HORIZONTAL DISTANCE OF 24" BETWEEN OUTLET BOXES LOCATED ON OPPOSITE SIDES OF FIRE-RESISTANCE RATED WALLS. WHERE THIS IS NOT POSSIBLE INSTALL UL LISTED PUTTY PADS ON ALL OUTLET BOXES NOT MEETING THE 24" SEPARATION. PROVIDE A UL LISTED THROUGH -PENETRATION FIRESTOP FOR PENETRATIONS OF FIRE-RESISTANCE RATED ASSEMBLIES.

J. CONDUCTORS ARE SIZED PER THE 75 DEGREE C RATING COLUMN OF NEC TABLE 310.16. IF THE TERMINAL USED FOR A TERMINATION OF A PARTICULAR CONDUCTOR IS NOT MARKED, OR THE TERMINAL IS MARKED FOR 60 DEGREE C CONDUCTORS, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EITHER ADJUST THE AMPACITY OF THE CONDUCTOR TO MATCH THE 60 DEGREE COLUMN OF TABLE 310.16, OR REPLACE THE TERMINAL WITH ONE RATED FOR AT LEAST 75 DEGREES C.

K. BASED ON ACTUAL HOMERUN LENGTHS REQUIRED IN THE FIELD, THE CONTRACTOR SHALL CALCULATE AND INCREASE THE WIRE SIZES AS REQUIRED TO LIMIT BRANCH CIRCUIT VOLTAGE DROP TO 3% OR LESS. FOR 20A BRANCH CIRCUITS THE MINIMUM CONDUCTOR SIZES SHALL BE AS FOLLOWS: #10 AMG CU FOR RUNS BETWEEN 100 AND 200 LINEAR FEET, #8 AWG CU FOR RUNS BETWEEN 200 AND 325 LINEAR FEET, AND AS CALCULATED BY THE CONTRACTOR FOR CIRCUITS EXTENDING BEYOND 325 LINEAR FEET. IN ALL CASES WHERE WIRE SIZES INCREASE, THE CONTRACTOR SHALL PROVIDE LARGER CONDUITS AS REQUIRED.

L. PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH 120V BRANCH CIRCUIT.

SHEET LIST - ELECTRICAL

ELECTRICAL ABBREVIATIONS LEGEND

A, AMP	AMPERES	MAN	MANUAL
AC	ALTERNATING CURRENT	MAX	MAXIMUM
A/C	AIR CONDITIONING	MCA	MINIMUM CIRCUIT AMPACITY
AF	AMP FUSE	MCC	MOTOR CONTROL CENTER
AFF	ABOVE FINISHED FLOOR	MDP	MAIN DISTRIBUTION PANEL
AFG	ABOVE FINISHED GRADE	MECH	MECHANICAL
AHU	AIR HANDLING UNIT	MH	METAL HALIDE
AL	ALUMINUM	MIN	MINIMUM
AS	AMP SWITCH	MSS	MOTOR STARTER SWITCH WITH THERMAL OVERLOADS
ATS	AUTOMATIC TRANSFER SWITCH	N	NEUTRAL
BAS	BUILDING AUTOMATION SYSTEM	NC	NORMALLY CLOSED
BKR	BREAKER	NEC	NATIONAL ELECTRIC CODE
C	RACEWAY/CONDUIT	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
CB	CIRCUIT BREAKER		
CCTV	CLOSED CIRCUIT TELEVISION	NFD	NON-FUSED DISCONNECT
CKT	CIRCUIT	NIC	NOT IN CONTRACT
CLG	CEILING	NO	NORMALLY OPEN
C.O.	RACEWAY/CONDUIT ONLY, WITH PULL STRING	#	NUMBER
CNTRL	CONTROL	OAE	OR APPROVED EQUAL
CU	COPPER	OC	ON CENTER
D	EXISTING TO BE DEMOLISHED	OCPD	OVERCURRENT PROTECTIVE DEVICE
DISC	DISCONNECT	OH	OVERHEAD
DIST	DISTRIBUTION	P	POLE
DPDT	DOUBLE POLE DOUBLE THROW	PB	PUSHBUTTON
DWG	DRAWING	PH	PHASE
EA	EACH	PNL	PANEL
EF	EXHAUST FAN	PVC	POLYVINYL CHLORIDE CONDUIT
ELEC	ELECTRIC	PWR	POWER
EMT	ELECTRICAL METALLIC TUBING	R	EXISTING TO REMAIN
EQUIP	EQUIPMENT	RCPT	RECEPTACLE
EX, EXIST	EXISTING	RECEPT	RECEPTACLE
FA	FIRE ALARM	RGS	RIGID GALVANIZED STEEL
FAA	FIRE ALARM ANNUNCIATOR	RM	ROOM
FACP	FIRE ALARM CONTROL PANEL	RVNR	REDUCED VOLTAGE NON-REVERSING
FD	FUSED DISCONNECT	RVR	REDUCED VOLTAGE REVERSING
FLR	FLOOR	SP	SINGLE POLE TOGGLE SWITCH
FO	FIBER OPTIC	SPD	SURGE PROTECTIVE DEVICE (TVSS)
FSD	FIRE SMOKE DAMPER RELAY, CONTROLLED BY ASSOCIATED SMOKE DETECTOR AND CIRCUITED BACK TO FACP	SPEC	SPECIFICATION
		SPST	SINGLE POLE SINGLE THROW
		SSPB	START-STOP PUSHBUTTON
FVNR	FULL VOLTAGE NON-REVERSING	SW	SWITCH
FVR	FULL VOLTAGE REVERSING	SWBD	SWITCHBOARD
GEC	GROUNDED ELECTRODE CONDUCTOR	SWGR	SWITCHGEAR
GFCI	GROUND FAULT CIRCUIT INTERRUPER	TB	TELEPHONE BOARD
GFI	GROUND FAULT INTERRUPTER	TC	TIME CLOCK
GFP	GROUND FAULT PROTECTION	TD	TIME DELAY
GND	GROUND	TEL	TELEPHONE
GRC	GALVANIZED RIGID CONDUIT	TSP	TWISTED SHIELDED PAIR
HID	HIGH INTENSITY DISCHARGE	TTB	TELEPHONE TERMINAL BOARD
HOA	HAND-OFF-AUTOMATIC	TYP	TYPICAL
HP	HORSEPOWER	UG	UNDERGROUND
HPS	HIGH PRESSURE SODIUM	UH	UNIT HEATER
HTR	HEATER	UNO	UNLESS NOTED OTHERWISE
HVAC	HEATING, VENTILATION & AIR CONDITIONING	V	VOLT
HZ	HERTZ	VA	VOLT-AMPERES
J-BOX	JUNCTION BOX	VFD	VARIABLE FREQUENCY DRIVE
KVA	KILOVOLT-AMPERES	W	WATTS
KW	KILOWATTS	WP	WEATHERPROOF
LCP	LIGHTING CONTROL PANEL	W/O	WITHOUT
LPW	LUMENS PER WATT	XFMR	TRANSFORMER
LTG	LIGHTING	Y	WYE-CONNECTED
LV	LOW VOLTAGE	Δ	DELTA-CONNECTED
MAG	MAGNETIC STARTER	ø	PHASE

ELECTRICAL POWER LEGEND

PANELBOARD OR LOAD CENTER

D-1 X — PANEL AND CIRCUIT DESIGNATION ARE SHOWN NEXT TO EACH DEVICE (PANEL NAME - CIRCUIT NUMBER). BRANCH CIRCUIT WIRE SIZE IS #12, UNO. A SINGLE INSULATED GREEN GROUND CONDUCTOR SHALL BE PROVIDED WITH EACH HOME RUN. PROVIDE A SEPARATE NEUTRAL FOR EACH CIRCUIT. HOME RUNS SHALL HAVE NO MORE THAN THREE CIRCUITS. LINE VOLTAGE AND LOW VOLTAGE WIRING IS NOT SHOWN ON PLANS. FOR EQUIPMENT CIRCUITING, SEE MEP COORDINATION SCHEDULE.
"X" INDICATES TYPE:
GFI - GROUND FAULT INTERRUPTER
WPIGFI - EXTERIOR WEATHERPROOF GFI RECEPTACLE WITH WHILE-IN-USE COVER; COLE LIGHTING TL210-WCS-NK OAE.
U - PROVIDE WITH (2) USB PORTS; (1) STANDARD & (1) USB C

SIMPLEX RECEPTACLE - CEILING MOUNT, WALL MOUNT (+18", UNO)

DUPLEX RECEPTACLE - CEILING MOUNT, WALL MOUNT (+18", UNO)

QUADRUPLEX RECEPTACLE - CEILING MOUNT, WALL MOUNT (+18", UNO)

ABOVE COUNTER RECEPTACLE - MOUNT AT +4" ABOVE BACKSPLASH

X X — FLOOR BOX WITH QUADRUPLEX RECEPTACLE - WITH (2) TELE/DATA PORTS, WITHOUT TELE/DATA. INCLUDE ALL HARDWARE/ACCESSORIES AS REQUIRED. PROVIDE COVER (COORDINATE WITH ARCHITECT FOR FLOORING TYPE AND FINISH).
"X" INDICATES TYPE:
A - 4-GANG FLOOR BOX, CORROSION RESISTANT COATING FOR CONCRETE FLOORS (3" MIN. POUR DEPTH), UP TO 2" CONDUIT FEED (HUBBELL NO. CFB4G30CR, OAE)
B - 4-GANG FLOOR BOX FOR RAISED ACCESS FLOORS, UP TO 2" CONDUIT FEED (HUBBELL NO. AFB4G50, OAE)
C - FIRE RATED POKE-THROUGH FLOOR BOX FOR ELEVATED CONCRETE SLABS, 3" DIA. CORE (HUBBELL NO. PT7FSD, OAE)
D - 8" DIA., FIRE RATED POKE-THROUGH FLOOR BOX FOR ELEVATED CONCRETE SLABS, UP TO 2" CONDUIT FEED (HUBBELL NO. S1R8PTFIT3, OAE)
E - FLUSH, ROUND SINGLE SURFACE FLOOR BOX FOR CONCRETE FLOORS, UP TO 1" CONDUIT FEED (HUBBELL NO. B2506, OAE)
F - TOMBSTONE PEDESTAL FLOOR BOX, 1" CONDUIT FEED (HUBBELL NO. 6301, OAE)

SPECIAL PURPOSE RECEPTACLE (MOUNT AT +18", UNO)
"X" INDICATES TYPE:
A - NEMA 5-20R, #12 CU; B - NEMA 5-30R, #10 CU;
C - NEMA 5-50R, #8 CU; D - NEMA 6-20R, #12 CU;
E - NEMA 6-30R, #10 CU; F - NEMA 6-50R, #8 CU;
G - NEMA 14-20R, #12 CU; H - NEMA 14-30R, #10 CU;
I - NEMA 14-50R, #8 CU

PUSHBUTTON (MOUNT AT +46", UNO)
"X" INDICATES TYPE:
EPO - EMERGENCY POWER OFF
ADA - HANDICAPPED ACCESSIBLE DOOR (DEVICE BY OTHERS)
ODO - OVERHEAD DOOR OPERATOR (DEVICE BY OTHERS)

FLATSCREEN TV BOX: 2-GANG, RECEPTACLE & SINGLE GANG DATA PORT. COORDINATE EACH LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.

J — JUNCTION BOX

J — DROP-DOWN RECEPTACLE

PS-X — SURFACE MOUNTED PLUGSTRIP
"X" INDICATES TYPE:
A - PLUGSTRIP, POWER ONLY, OUTLET EVERY 3' OC
B - WIREMOLD SERIES 4000 POWER AND DATA
C - WIREMOLD SERIES 5000 POWER AND DATA

SURFACE MOUNTED RACEWAY

RACEWAY CONCEALED IN WALL, FLOOR, OR CEILING IN FINISHED SPACES, EXPOSED IN UNFINISHED SPACES

RACEWAY BELOW FLOOR OR BELOW GRADE

RACEWAY STUB-OUT WITH CAPPED END

RACEWAY STUB-OUT WITH BRUSHED END

GROUNDING BUS

ELECTRICAL LIGHTING CONTROL LEGEND

STANDARD LIGHTING CONTROLS: SWITCHES AND LINE VOLTAGE DIMMERS	DIGITAL LIGHTING CONTROLS: ROOM CONTROLLERS AND LOW VOLTAGE DEVICES
$X — TOGGLE SWITCH (MOUNT AT +46", UNO) "X" INDICATES TYPE: BLANK - SINGLE POLE 3 - INDICATES THREE-WAY 4 - INDICATES FOUR-WAY D - INDICATES DIMMER SWITCH PHILIPS SUNRISE - ON/OFF K - INDICATES KEYED SWITCH T - INDICATES TIMER P - INDICATES PILOT LIGHT OS - INDICATES WALL SWITCH OCC SENSOR WATTSTOPPER DW100 (SINGLE OR DUAL DW-200 SWITCH) OSD - INDICATES WALL SWITCH OCC SENSOR WITH 0-10V DIMMING - WATTSTOPPER W-311 a - INDICATES SINGLE POLE LIGHTING SWITCH ZONE FOR ZONE a b - INDICATES SINGLE POLE LIGHTING SIWTCH ZONE FOR ZONE b ab - INDICATES LIGHTING SWITCHES WITH MULTIPLE ZONES	OSLV OSLV — OCCUPANCY SENSOR - CEILING MOUNT, WALL MOUNT WATTSTOPPER LMDC-100, OR EQUAL
OS OS — OCCUPANCY SENSOR - CEILING MOUNT, WALL MOUNT. WATTSTOPPER DT-300 DUAL TECHNOLOGY, OR EQUAL, WITH BZ-50 POWER PACKS AS NEEDED.	PLV — PHOTOCELL - CEILING MOUNT WATTSTOPPER LMLS-400, OR EQUAL
P — PHOTOCELL - CEILING MOUNT, WATTSTOPPER LS-301, OR EQUAL	R1 — ON/OFF ROOM CONTROLLER WITH (1) RELAY WATTSTOPPER DLM LMRC-101, OR EQUAL
	R2 — ON/OFF ROOM CONTROLLER WITH (2) RELAYS WATTSTOPPER DLM LMRC-102, OR EQUAL
	R3 — ON/OFF/0-10V ROOM CONTROLLER WITH (2) RELAYS WATTSTOPPER DLM LMRC-212, OR EQUAL
	R4 — ON/OFF/0-10V ROOM CONTROLLER WITH (3) RELAYS WATTSTOPPER DLM LMRC-213, OR EQUAL
	$LVD — LOW VOLTAGE DIMMING SWITCH WATTSTOPPER DLM LMDM-101, OR EQUAL

ELECTRICAL LIGHTING FIXTURE LEGEND

RECESSED LED FIXTURE - "a" & "b" DESIGNATES SWITCH

RECESSED EMERGENCY LED FIXTURE - "a" & "b" DESIGNATES SWITCH

SURFACE LED FIXTURE - "a" & "b" DESIGNATES SWITCH

SURFACE EMERGENCY LED FIXTURE - "a" & "b" DESIGNATES SWITCH

SURFACE WALL MOUNT LED FIXTURE

LED STRIP OR INDUSTRIAL, SURFACE OR CHAIN HUNG

EMERGENCY LED STRIP OR INDUSTRIAL, SURFACE OR CHAIN HUNG

POLE MOUNTED FIXTURE

LIGHTED BOLLARD

PENDANT FIXTURE; HIGH BAY, LOW BAY, DECORATIVE

EXIT SIGN - WALL MOUNT, CEILING MOUNT. ARROW INDICATES DIRECTION OF TRAVEL, SHADING INDICATES LIGHTED FACE.

DUAL HEAD EMERGENCY EGRESS BATTERY PACK, WALL MOUNT OR CEILING MOUNT

WALL MOUNTED SCONCE

SURFACE DOWNLIGHT

SURFACE EMERGENCY DOWNLIGHT

RECESSED CAN DOWNLIGHT

RECESSED CAN EMERGENCY DOWNLIGHT

RECESSED CAN WALL WASHER

TRACK LIGHTING. SEE FIXTURE SCHEDULE AND LIGHTING PLANS.

ELECTRICAL LOW VOLTAGE LEGEND

FIRE ALARM SYSTEM

PS — SPRINKLER PRESSURE SWITCH

FS — SPRINKLER FLOW SWITCH

TS — SPRINKLER TAMPER SWITCH

H — HEAT DETECTOR

SD — SMOKE DETECTOR - PHOTO-ELECTRIC

SD D — DUCT SMOKE DETECTOR

SS — SINGLE-STATION SMOKE DETECTOR. PROVIDE 120V AND MONITOR AT FACP VIA RELAY.

CO — CARBON MONOXIDE DETECTOR

D — DOOR HOLDER

F — MANUAL STATION (MOUNT AT +46", UNO)

F F — STROBE - WALL MOUNT (+90"), CEILING MOUNT

F F — HORN/STROBE - WALL MOUNT (+90"), CEILING MOUNT

S S — SPEAKER STROBE - WALL MOUNT (+90"), CEILING MOUNT

ELECTRICAL ONE-LINE LEGEND

M — CT AND CUSTOMER POWER METER

M — MOTOR SYMBOL

M — UTILITY ELECTRIC METER AND BASE (BASE BY CUSTOMER)

SPD — SURGE PROTECTION DEVICE

LA — LIGHTNING ARRESTOR

STRESS RELIEF CONE

PFC — POWER FACTOR CORRECTION CAPACITOR

$M — MOTOR STARTER SWITCH W/ THERMAL OVERLOADS

CONTACTOR NORMALLY OPEN, NORMALLY CLOSED

TRANSFORMER, 3-PH, 3-WIRE DELTA CONNECTION

TRANSFORMER, 3-PH, 4-WIRE GROUNDED WYE CONNECTION

AUTOMATIC TRANSFER SWITCH

VFD — VARIABLE FREQUENCY DRIVE

FIXED MOUNT LV BREAKER

FUSED SWITCH ("XXAS/XXAF" - SW AND FUSE AMP RATING)

G — GENERATOR

CB — WALL MOUNTED BREAKER

THERMAL OVERLOAD ELEMENT

DISCONNECT SWITCH ("XXAS" = SWITCH AMP RATING)

FUSED DISCONNECT SWITCH ("XXAS/XXAF" = SW AND FUSE AMP RATING)

COMBINATION MOTOR STARTER (STR SIZE, TYP, AS, AF, SEE MEP COORDINATION SCHEDULE)

SWITCHBOARD OR PANELBOARD; NAME, VOLTAGE, PHASE, NUMBER OF WIRES WHEN INDICATED

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

Energy 1

Revisions

No.	Issued For	Issue Date

Casita Magee

Teton Village, Wy

Project No. : 2022.00 — Drawn: Author
Scale: 12" = 1'-0" — Checked: Checker

Sheet Title:
ELECTRICAL COVER SHEET

Sheet Number:
E0.1

9/2/2021 5:18:44 PM

GENERAL ELECTRICAL NOTES:

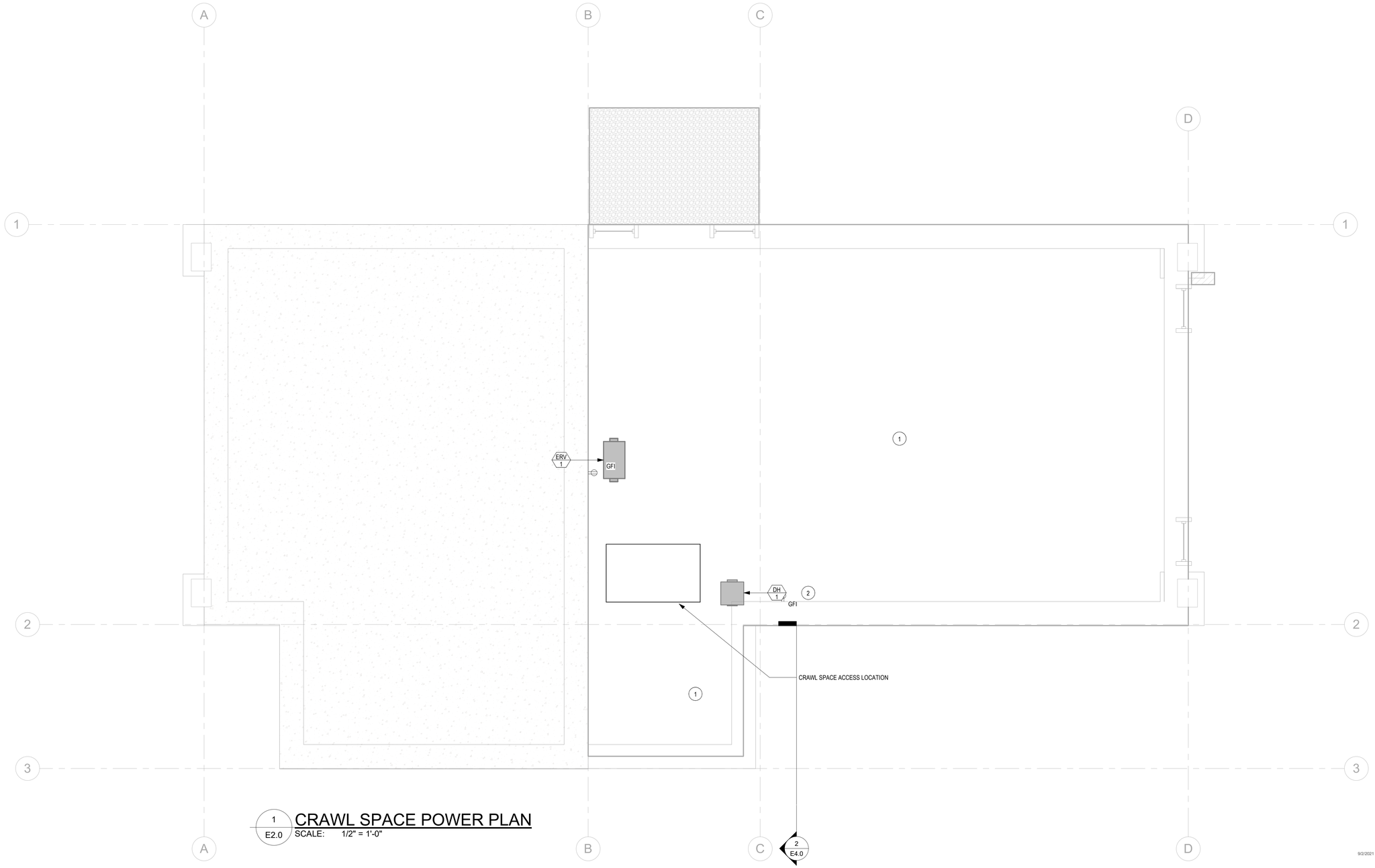
A. IT IS ABSOLUTELY NECESSARY FOR ALL TRADES INVOLVED TO COORDINATE WITH EACH OTHER AND VERIFY THAT THERE ARE NO CONFLICTS IN LOCATION OF DUCTS, CONDUITS, DIFFUSERS, BOXES, AND OTHER ITEMS THROUGHOUT THIS PROJECT BEFORE FINAL PLACEMENT OF MATERIALS.

B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING OF FLOORS, WALLS, CEILINGS, AND ROOFS TO PERFORM THE REQUIRED WORK DEPICTED IN THESE DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL PATCHING OF HOLES TO THE SATISFACTION OF THE ARCHITECT/ENGINEER.

KEYED NOTES

1 PROVIDE MEDIUM BASED LIGHT FIXTURE SOCKET THROUGHOUT CRAWLSPACE WITH SWITCH LOCATED AT CRAWLSPACE ENTRANCE PER NEC REQUIREMENTS.

2 PROVIDE MAINTENANCE RECEPTACLES THROUGHOUT CRAWLSPACE PER NEC REQUIREMENTS.



1 / E2.0 CRAWL SPACE POWER PLAN
SCALE: 1/2" = 1'-0"

PROSPECT STUDIO

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

Energy 1

Revisions

No.	Issued For	Issue Date

Casita Magee

Teton Village, Wy

Project No. : 2022.00 Drawn: Author
Scale: As indicated Checked: Checker

Sheet Title:
CRAWL SPACE POWER PLAN

Sheet Number:
E2.0

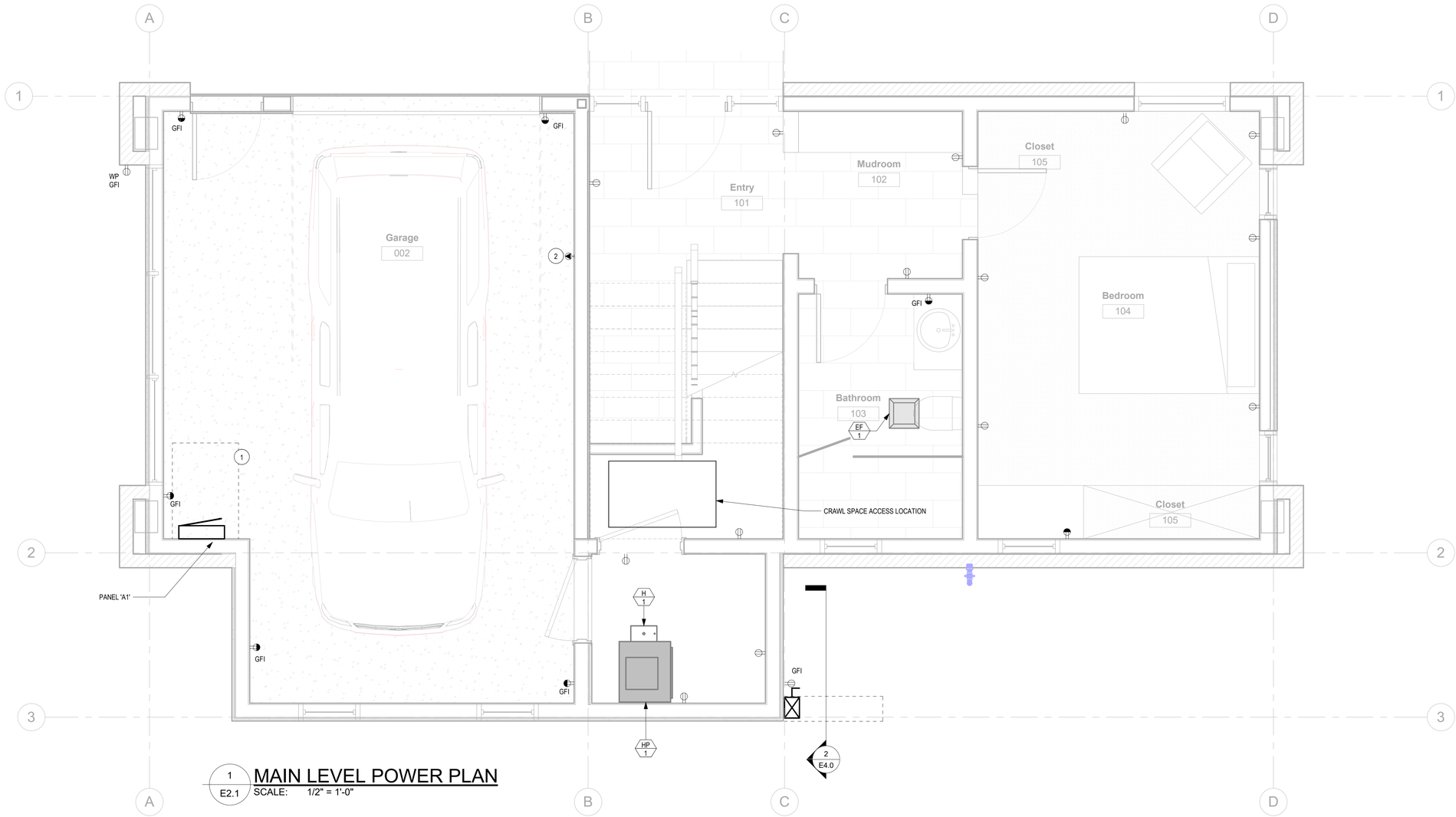
9/2/2021 5:18:44 PM

GENERAL ELECTRICAL NOTES:

A. IT IS ABSOLUTELY NECESSARY FOR ALL TRADES INVOLVED TO COORDINATE WITH EACH OTHER AND VERIFY THAT THERE ARE NO CONFLICTS IN LOCATION OF DUCTS, CONDUITS, DIFFUSERS, BOXES, AND OTHER ITEMS THROUGHOUT THIS PROJECT BEFORE FINAL PLACEMENT OF MATERIALS.
B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING OF FLOORS, WALLS, CEILINGS, AND ROOFS TO PERFORM THE REQUIRED WORK DEPICTED IN THESE DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL PATCHING OF HOLES TO THE SATISFACTION OF THE ARCHITECT/ENGINEER.

KEYED NOTES

1 MAINTAIN WORKING CLEARANCE IN ACCORDANCE WITH NEC 110.26.
2 PROVIDE 1.5" CONDUIT FROM PANEL A1 TO CARPORT FOR FUTURE LOADS.



1 E2.1 MAIN LEVEL POWER PLAN
SCALE: 1/2" = 1'-0"

PROSPECT STUDIO
4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

Energy 1

Revisions

No.	Issued For	Issue Date

Casita Magee

Teton Village, Wy

Project No. : 2022.00 Drawn: Author
Scale: As indicated Checked: Checker

Sheet Title:
MAIN LEVEL POWER PLAN

Sheet Number:
E2.1

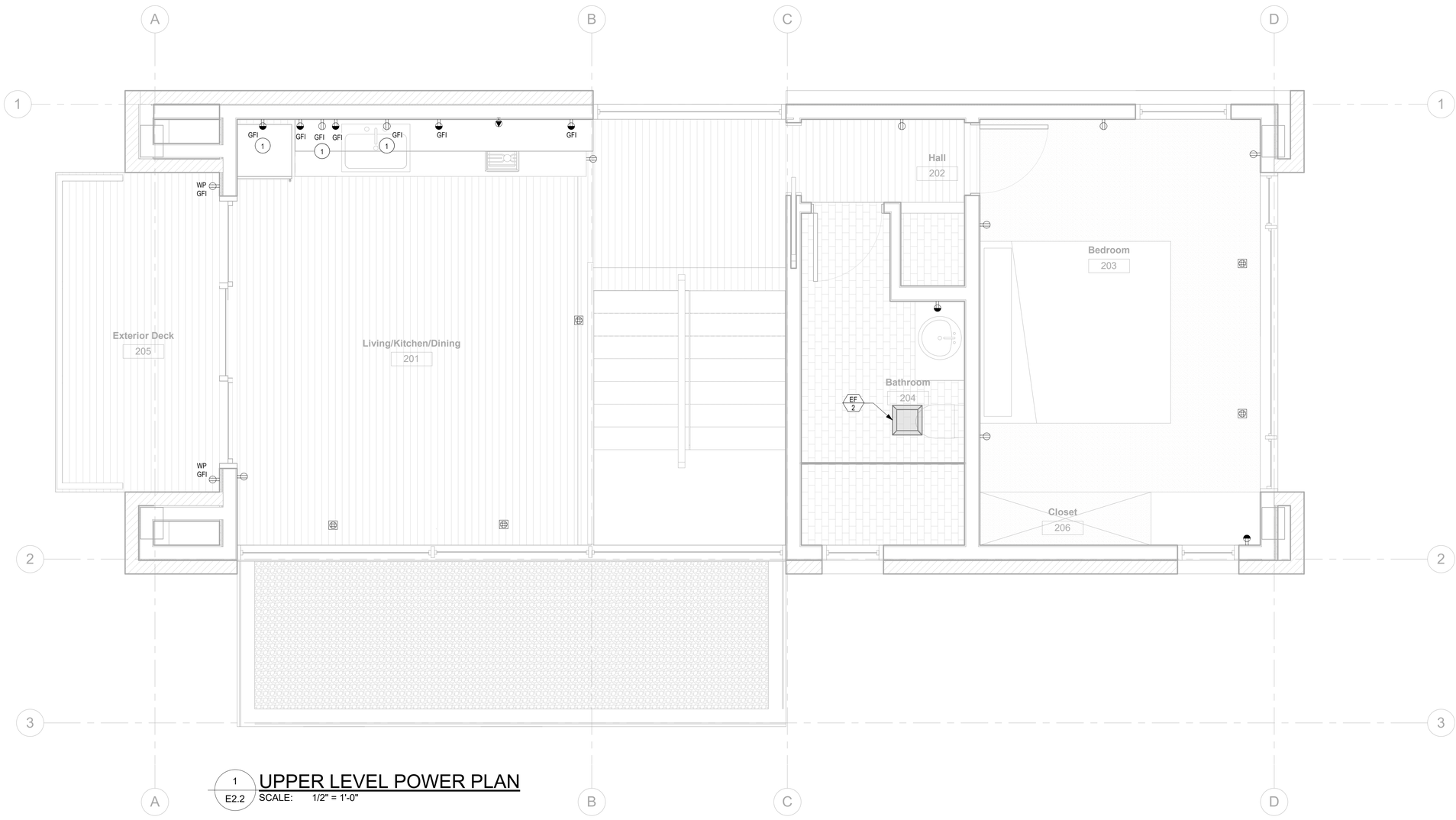
9/2/2021 5:18:45 PM

GENERAL ELECTRICAL NOTES:

A. IT IS ABSOLUTELY NECESSARY FOR ALL TRADES INVOLVED TO COORDINATE WITH EACH OTHER AND VERIFY THAT THERE ARE NO CONFLICTS IN LOCATION OF DUCTS, CONDUITS, DIFFUSERS, BOXES, AND OTHER ITEMS THROUGHOUT THIS PROJECT BEFORE FINAL PLACEMENT OF MATERIALS.
B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING OF FLOORS, WALLS, CEILINGS, AND ROOFS TO PERFORM THE REQUIRED WORK DEPICTED IN THESE DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL PATCHING OF HOLES TO THE SATISFACTION OF THE ARCHITECT/ENGINEER.

KEYED NOTES

1 PROVIDE GFI BREAKER FOR RECEPTACLES LOCATED BEHIND EQUIPMENT.



1 / E2.2 UPPER LEVEL POWER PLAN
SCALE: 1/2" = 1'-0"

PROSPECT STUDIO
4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

Energy 1

Revisions

No.	Issued For	Issue Date

Casita Magee

Teton Village, Wy

Project No. : 2022.00 Drawn: Author
Scale: As indicated Checked: Checker

Sheet Title:
UPPER LEVEL POWER PLAN

Sheet Number:
E2.2

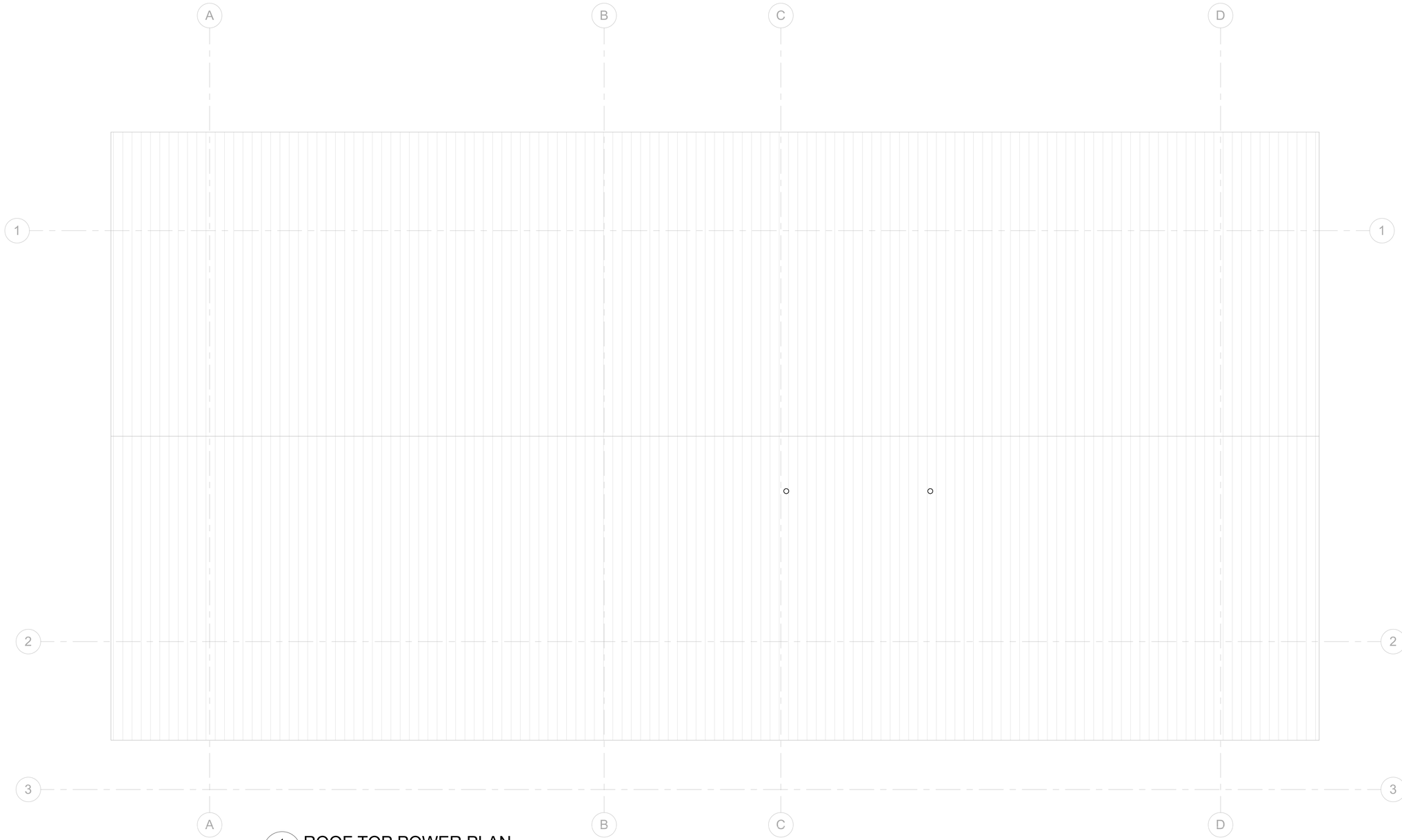
9/2/2021 5:18:45 PM

GENERAL ELECTRICAL NOTES:

A. IT IS ABSOLUTELY NECESSARY FOR ALL TRADES INVOLVED TO COORDINATE WITH EACH OTHER AND VERIFY THAT THERE ARE NO CONFLICTS IN LOCATION OF DUCTS, CONDUITS, DIFFUSERS, BOXES, AND OTHER ITEMS THROUGHOUT THIS PROJECT BEFORE FINAL PLACEMENT OF MATERIALS.

B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING OF FLOORS, WALLS, CEILINGS, AND ROOFS TO PERFORM THE REQUIRED WORK DEPICTED IN THESE DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL PATCHING OF HOLES TO THE SATISFACTION OF THE ARCHITECT/ENGINEER.

KEYED NOTES



1 / E2.3 ROOF TOP POWER PLAN
SCALE: 1/2" = 1'-0"

PROSPECT STUDIO
4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

Energy 1

Revisions

No.	Issued For	Issue Date

Casita Magee

Teton Village, Wy

Project No. : 2022.00 Drawn: Author
Scale: As indicated Checked: Checker

Sheet Title:
ROOF TOP POWER PLAN

Sheet Number:
E2.3

9/2/2021 5:18:46 PM

GENERAL NOTES

A. CONDUIT, CONDUCTORS AND AIC CALCULATIONS FOR ALL SERVICE, PANEL AND EQUIPMENT FEEDERS INDICATED ON THE ONE-LINE HAVE BEEN SIZED BASED ON COPPER. THE CONTRACTOR MAY USE COMPRESSED ALUMINUM CONDUCTORS FOR THESE FEEDERS PROVIDING THE CONDUIT, CONDUCTOR SIZES AND AIC CALCULATIONS ARE ADJUSTED AS REQUIRED TO MEET ALL NATIONAL ELECTRICAL CODE REQUIREMENTS.

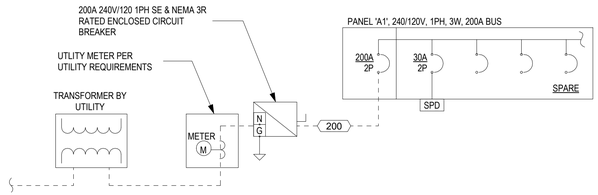
B. INSTALLATION PER UTILITY REQUIREMENTS.

C. COORDINATE EXACT DISTANCES BETWEEN UTILITY TRANSFORMER AND METER/CT WITH LOCAL UTILITY PRIOR TO ROUGH-IN.

D. BASED ON ACTUAL HOMERUN LENGTHS REQUIRED IN THE FIELD, THE CONTRACTOR IS RESPONSIBLE TO CALCULATE AND INCREASE THE WIRE SIZES AS REQUIRED TO LIMIT BRANCH CIRCUIT VOLTAGE DROP TO 3% OR LESS. FOR 20A BRANCH CIRCUITS, THE MINIMUM CONDUCTOR SIZES SHALL BE AS FOLLOWS: #10 AMG CU FOR RUNS BETWEEN 100 AND 200 LINEAR FEET, #8 AWG CU FOR RUNS BETWEEN 200 AND 325 LINEAR FEET, AND AS CALCULATED BY THE CONTRACTOR FOR CIRCUITS EXTENDING BEYOND 325 LINEAR FEET. IN ALL CASES WHERE WIRE SIZES INCREASE, THE CONTRACTOR SHALL PROVIDE LARGER CONDUITS AS REQUIRED.

KEYED NOTES

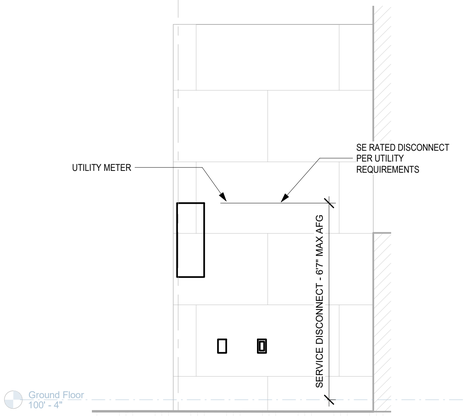
1. CONFIRM ALL REQUIREMENTS WITH LOCAL ELECTRICAL UTILITY FOR TRANSFORMER PADS, CONDUITS, AND LOCATIONS PRIOR TO WORK STARTING.



1 E4.0 ONE-LINE DIAGRAM
SCALE: 1/4" = 1'-0"

LOAD DESCRIPTION	SERVICE LOAD (kVA)
FLOOR AREA (SQUARE FT)	1000
LTG/REC	3.0
KITCHEN / LAUNDRY	4.5
DISPOSAL(S), MICROWAVE(S) & DISHWASHER(S)	8.3
RANGE(S)	8.0
DRYER(S)	5.4
WATER HEATER(S)/BOILERS/HUMIDIFIERS	8.7
MECH (FANS, MISC, ETC)	0.4
SAUNA, STEAM SHOWER/ROOM, SPA	0.0
EV CHARGER/HOME BATTERY	11.5
SUB -TOTAL	38.3
CONDENSERS	0.0
PUMPS / CONTROLS	0.5
HEAT PUMPS	11.0
ELECTRICAL HEAT	1.0
MECH SUB-TOTAL	12.5
TOTAL kVA***	38
MINIMUM AMPACITY (AMPS)***	159

***CALCULATION IS BASED ON NEC 220.82-A, B,& C
CALCULATION IS BASED ON 120/240V, SINGLE PHASE



2 E4.0 ELECTRICAL SERVICE SECTION
SCALE: 1/2" = 1'-0"

FEEDER SCHEDULE

AMPS-WIRE QTY PER CONDUIT	SETS IN PARALLEL	75 DEG COPPER			
		CONDUIT	POLE QTY AND AWG	NEUTRAL AWG	GROUND AWG
20-4	1	3/4"	2#12	1#12	1#12
20-4	1	3/4"	3#12	1#12	1#12
30-3	1	3/4"	2#10	1#10	1#10
30-4	1	3/4"	3#10	1#10	1#10
50-3	1	1"	2#8	1#8	1#10
50-4	1	1"	3#8	1#8	1#10
60-3	1	1-1/4"	2#4	1#4	1#10
60-4	1	1-1/4"	3#4	1#4	1#10
70-3	1	1-1/4"	2#4	1#4	1#8
70-4	1	1-1/4"	3#4	1#4	1#8
90-3	1	1-1/4"	2#3	1#3	1#8
90-4	1	1-1/4"	3#3	1#3	1#8
100-3	1	1-1/2"	2#2	1#2	1#8
100-4	1	1-1/2"	3#2	1#2	1#8
125-3	1	1-1/2"	2#1	1#1	1#6
125-4	1	2"	3#1	1#1	1#6
150-3	1	1-1/2"	2#1/0	1#1/0	1#6
150-4	1	2"	3#1/0	1#1/0	1#6
175-3	1	2"	2#2/0	1#2/0	1#4
175-4	1	2"	3#2/0	1#2/0	1#4
200-3	1	2"	2#3/0	1#3/0	1#4
200-4	1	2-1/2"	3#3/0	1#3/0	1#4
225-3	1	2"	2#4/0	1#4/0	1#4
225-4	1	2-1/2"	3#4/0	1#4/0	1#4
250-3	1	2-1/2"	2#250	1#250	1#4
250-4	1	3"	3#250	1#250	1#4
300-3	1	3"	2#350	1#350	1#4
300-4	1	3"	3#350	1#350	1#4
400-3	2	2-1/2"	2#3/0	1#3/0	1#3
400-4	2	2-1/2"	3#3/0	1#3/0	1#3
500-3	2	2-1/2"	2#250	1#250	1#2
500-4	2	3"	3#250	1#250	1#2
600-3	2	3"	2#350	1#350	1#1
600-4	2	3"	3#350	1#350	1#1
800-3	3	2-1/2"	2#300	1#300	1#1/0
800-4	3	2-1/2"	3#300	1#300	1#1/0
1000-3	3	3"	2#400	1#400	1#2/0
1000-4	3	3-1/2"	3#400	1#400	1#2/0
1200-3	4	3"	2#350	1#350	1#3/0
1200-4	4	3"	3#350	1#350	1#3/0
1600-3	5	3"	2#400	1#400	1#4/0
1600-4	5	3-1/2"	3#400	1#400	1#4/0
2000-3	6	3"	2#400	1#400	1#250
2000-4	6	3-1/2"	3#400	1#400	1#250
2500-3	8	3"	2#400	1#400	1#350
2500-4	8	3-1/2"	3#400	1#400	1#350
3000-3	9	3"	2#400	1#400	1#400
3000-4	9	3-1/2"	3#400	1#400	1#400
4000-3	12	3"	2#400	1#400	1#500
4000-4	12	3-1/2"	3#400	1#400	1#500

PROSPECT STUDIO
4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014
T & F 307-264-2600
prospectjh.com

Energy 1

Revisions

No.	Issued For	Issue Date

Casita Magee

Teton Village, Wy

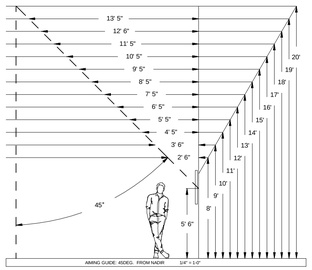
Project No. : 2022.00 Drawn: Author
Scale: As indicated Checked: Checker

Sheet Title:
ONE-LINE DIAGRAM

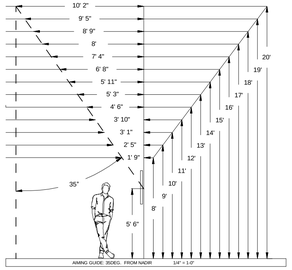
Sheet Number:
E4.0

9/2/2021 5:18:46 PM

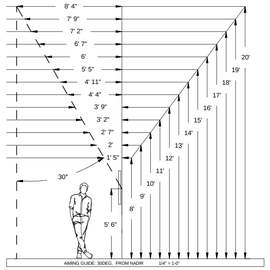
ADJUSTABLE AIMING GUIDES



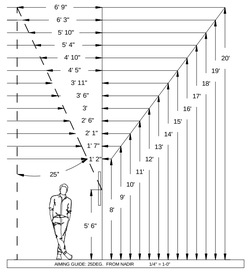
AIMING GUIDE: 45DEG. FROM NADIR 1/4" = 1-0"



AIMING GUIDE: 35DEG. FROM NADIR 1/4" = 1-0"



AIMING GUIDE: 30DEG. FROM NADIR 1/4" = 1-0"



AIMING GUIDE: 25DEG. FROM NADIR 1/4" = 1-0"

SYMBOL LEGEND

SYMBOL TYPE	DESCRIPTION
	ROUND DOWNLIGHT
	ROUND DIRECTIONAL DOWNLIGHT
	ROUND WALL WASH
	ROUND CORNER WALL WASH
	ROUND DOUBLE WALL WASH
	SQUARE DOWNLIGHT
	SQUARE DIRECTIONAL DOWNLIGHT
	SQUARE WALL WASH
	SQUARE CORNER WALL WASH
	SQUARE DOUBLE WALL WASH
	TRACK LIGHT
	WALL MOUNT MONO POINT
	CEILING MOUNT MONO POINT
	CABLE LIGHT
	LINEAR LIGHT
	STEP LIGHT
	GROUND LIGHT
	FLOOR LIGHT
	PENDANT
	SCONCE
	LARGE PENDANT
	CHANDELIER
	SURFACE FLUORESCENT UTILITY LIGHT
	SURFACE FLUORESCENT UTILITY LIGHT WITH EMERGENCY BACKUP
EF	EXHAUST FAN
EXIT	WALL & CEILING MOUNT EXIT SIGN
D LC	REMOTE LED DRIVER
T LC	REMOTE TRANSFORMER
	CEILING FAN
	LOAD IDENTIFIER
SHADE ID WINDOW ADDRESS	MOTORIZED SHADE
W/ 3 #FP's	WIRING SCHEMATIC IDENTIFIER
XX	KEYNOTE
	TV
	DATA
	120V DUPLEX OUTLET
	120V DUPLEX FLOOR OUTLET
	120V HALF HOT DUPLEX OUTLET
	120V HALF HOT DUPLEX FLOOR OUTLET
	120V FOURPLEX OUTLET
	120V FOURPLEX FLOOR OUTLET
	120V GFCI OUTLET
	120V AFCI OUTLET
	240V OUTLET
	SPECIAL PURPOSE OUTLET
	DISCONNECT
	MANUAL STARTER
	MOTOR STARTER
	VARIABLE FREQUENCY DRIVE
	DIRECT CONNECTION
SD	SMOKE DETECTOR
SC	SMOKE / CO DETECTOR COMBO
K	WALLBOX KEYPAD
D	WALLBOX DIMMER
RD	WALLBOX REMOTE DIMMER
T	WALLBOX TIMER
F	WALLBOX FAN CONTROL
OC	CEILING MOUNT OCCUPANCY SENSOR
OD	WALLBOX OCCUPANCY DIMMER
OS	WALLBOX OCCUPANCY SWITCH
TT	TABLE TOP KEYPAD
S	WALLBOX SWITCH
RS	WALLBOX REMOTE SWITCH
J	JUNCTION BOX
PSPA	PHASE-ADAPTIVE POWER MODULE
PSTSF	3-WIRE FLUORESCENT POWER MODULE
PSWW	SWITCHING POWER MODULE
LBX	LOW WATTAGE POWER MODULE
1UI	0-10V INTERFACE
ATV	APPLE TV
ABS	APPLE BASE STATION
	CEILING MOUNT SPEAKER
	WALL MOUNT SPEAKER

GENERAL LIGHTING CONTROL NOTES

- **MULTI-WAY DIMMING**: FOR AREAS UTILIZING 3-WAY AND 4-WAY SWITCHING THE LIGHTING LOAD SHALL BE PROVIDED POWER FROM THE DIMMER AND THE REMOTE LOCATION SHALL COMMUNICATE WITH THE DIMMER VIA TRAVELER.
- **LOW WATTAGE LOADS**: ALL LOADS UNDER 25W SHALL BE WIRE FROM DIMMER OR SWITCH LOCATION THROUGH A REMOTE MOUNTED 2 GANG BOX BEFORE CONNECTION TO THE LIGHTING LOAD (OR REMOTE POWER SUPPLY). A LUTRON LOW WATTAGE MODULE, LUTRON LUT-LBX-WH, SHALL BE MOUNTED IN THE 2-GANG BOX IN FRONT OF THE LIGHTING LOAD (OR REMOTE POWER SUPPLES) SHOULD DIMMING RESULTS SHOW UNSATISFACTORY PERFORMANCE.
- **HIGH WATTAGE LOADS:** EXCEEDING 1000W SHALL BE WIRED WITH A LUTRON POWER BOOSTER, LUTRON PHPM-PA-DV-WH. THE LUTRON POWER BOOSTER MOUNTS IN A REMOTE MOUNTED 2G OR 4SQ BOX AND REQUIRES CONNECTIONS 3 LOCATIONS TO THE J-BOX. (1) FEED FROM THE SWITCH LEG (INCLUDING THOSE FROM CENTRAL DIMMING PANELS), (2) SEPERATE 120V FEEDS UP TO 1920W, (3) FEED TO LIGHTING LOAD.
- **ARC-FAULT DIMMING:** ALL ARC FAULT CIRCUITS WITH DIMMING CAPABILITY SHALL BE RESTRICTED TO 1000W CAPACITY.
- THIS PROJECT TO UTILIZE A LUTRON HOMEWORKS QSX LIGHTING CONTROL SYSTEM. LOADS IN PRIMARY SPACES WILL BE PULLED TO A CENTRALIZED LIGHTING CONTROL PANEL AND OPERATED BY LIGHTING KEYPADS. LOCAL SYSTEM DIMMERS AND SWITCHES WILL BE USED IN AREAS INDICATED ON DRAWINGS.
- KEYPADS TO BE HOMEWORKS SQUARE PALLADIOM STYLE. ARCHITECTUAL STYLE MATTE DEVICES AND SCREWLESS FACEPLATES SHALL BE INCLUDED FOR ALL SYSTEM AND NON SYSTEM DEVICES INCLUDING ALL WALL OUTLETS. FINAL COLOR AND KEYPAD DESIGN BY LIGHTING CONTROL CONTRACTOR AND COORDINATED WITH PROJECT ARCHITECT, INTERIOR DESIGNER, GENERAL CONTRACTOR, AND OWNER.

KEYNOTE SCHEDULE

#	LIGHTING KEYED NOTES - NOT ALL KEYED NOTES WILL BE USED
1A	**UNDER CABINET LTG:** LINEAR LED PLACED BENEATH FRONT EDGE OF UPPER CABINET BEHIND A 1" TALL FASCIA OR LIGHT LEDGE WITH THE FIXTURE FACING THE WALL. A LIGHT MATTE SURFACE IS RECOMMENDED ON THE UNDERSIDE OF UPPER MILLWORK FOR EVEN ILLUMINATION. UPPER CABINET LTG: LINEAR LED MOUNTED TO THE TOP OF UPPER MILLWORK AND PLACED 1-1/2" TO 3" OFF THE FINISHED WALL. A 1" FASCIA MAY BE PLACED IN FRONT OF THE LIGHT SOURCE TO CONCEAL FIXTURE. FIXTURES REQUIRE A REMOTE POWER SUPPLY TO BE LOCATED BY THE EC. REVIEW MANUFACTURE CUT SHEET FOR MAXIMUM FIXTURE LENGTH TO DETERMINE NUMBER OF LV FEEDS FROM POWER SUPPLY.
1B	LINEAR LED RECESSED INTO SHELVING FOR ACCENT / DISPLAY ILLUMINATION. CENTER OF FIXTURE TO BE 1" O.C. FROM FRONT EDGE OF SHELF. FIELD COORDINATE WITH MILLWORK DESIGN AND INSTALLATION FOR LV STUB OUT LOCATIONS PRIOR TO ROUGH-IN. FIXTURES REQUIRE A REMOTE POWER SUPPLY TO BE LOCATED BY EC. REVIEW MANUFACTURE CUT SHEET FOR MAXIMUM FIXTURE LENGTH TO DETERMINE NUMBER OF LV FEEDS FROM POWER SUPPLY.
1C	LINEAR LED MOUNTED UNDER COUNTER OR BAR TOP FOR FRONT ACCENT. FIXTURE TO BE MOUNTED 3" TO CENTER FROM CABINET FACE. EC TO CONSULT WITH MILLWORK DESIGN & INSTALLERS TO VERIFY LOW VOLTAGE STUB OUTS DURING ROUGH-IN. FIXTURES REQUIRE A REMOTE POWER SUPPLY TO BE LOCATED BY EC. REVIEW MANUFACTURE CUT SHEET FOR MAXIMUM FIXTURE LENGTH TO DETERMINE NUMBER OF LV FEEDS FROM POWER SUPPLY.
1D	LINEAR LED MOUNTED INTO CHANNEL CUT INTO THE CENTER TOP OF BEAM FOR UP LIGHT ACCENT. CHANNEL TO BE 1"D X 2"W. FIXTURES REQUIRE A REMOTE POWER SUPPLY TO BE LOCATED BY EC. REVIEW MANUFACTURE CUT SHEET FOR MAXIMUM FIXTURE LENGTH TO DETERMINE NUMBER OF LV FEEDS FROM POWER SUPPLY.
1E	LINEAR ALLOWANCE SHOWN FOR MILLWORK OR OTHER ACCENT TO BE DETERMINED. ALLOWANCES SHALL BE INCLUDED FOR MATERIAL AND LABOR. LINEAR ACCENT WILL REQUIRE A REMOTE POWER SUPPLY TO BE LOCATED BY EC. REVIEW MANUFACTURE CUT SHEET FOR MAXIMUM FIXTURE LENGTH TO DETERMINE NUMBER OF LV FEEDS FROM POWER SUPPLY.
1F	WET LOCATION LINEAR LED MOUNTED IN POCKET CREATED AT CEILING OF SHOWER FOR WALL GRAZE OF TILE SURFACE. RECOMMENDED MINIMUM POCKET IS 3"W X 3"D. LOW VOLTAGE FIXTURES REQUIRE A REMOTE POWER SUPPLY TO BE LOCATED BY EC. REVIEW MANUFACTURE CUT SHEET FOR MAXIMUM FIXTURE LENGTH TO DETERMINE NUMBER OF LV FEEDS FROM POWER SUPPLY.
1G	LINEAR LED PLACED BENEATH THE FRONT EDGE OF VANITY OR LOWER MILLWORK BEHIND A 1/2" TALL FASCIA OR LIGHT LEDGE. THE FIXTURE SHALL FACE THE WALL AND LIGHT COLOR MATTE SURFACE SHALL BE APPLIED TO THE UNDERSIDE OF THE MILLWORK FOR EVEN ILLUMINATION. FIXTURES REQUIRE A REMOTE POWER SUPPLY TO BE LOCATED BY EC. REVIEW MANUFACTURE CUT SHEET FOR MAXIMUM FIXTURE LENGTH TO DETERMINE NUMBER OF LV FEEDS FROM POWER SUPPLY.
1H	UNUSED.
1I	IN-FLOOR OR IN-GRADE UP LIGHTS ARE TO MOUNT FLUSH WITH FINISHED FLOOR OR EXTERIOR GRADE. FIXTURE SHALL BE PLACED 6-8" ON CENTER OFF THE FINISHED COLUMN OR WALL SURFACE. FIXTURE REQUIRE A REMOTE POWER SUPPLY TO BE LOCATED BY EC.
1J	SWITCHED OUTLET RECESSED INTO MANTLE. EC TO FIELD COORDINATE WIRING AND FINSH REQUIREMENTS WITH BUILDER AND FINSH CONTRACTORS PRIOR TO ROUGH IN.
1K	SWITCHED OUTLETS LOCATED IN EAVES AND PLACED OUT OF VIEW. QTY AND LOCATION SHOWN FOR REFERENCE ONLY. FINAL QUANTITY AND LOCATION TO BE DETERMINED BY EC AND FIELD COORDINATED WITH BUILDER.
1L	FIXTURE TO BE MOUNTED ON THE SIDE OF THE COLUMN, VERIFY FINAL HEIGHT WITH ARCHITECT. FIXTURE REQUIRE A REMOTE POWER SUPPLY TO BE LOCATED BY EC.
1M	MOUNTING HEIGHT FOR STEP LIGHTS SHALL BE 9-12" TO CENTER OF BOX ABOVE FINSHED FLOOR OR STEP FOR INTERIOR APPLICATIONS. FOR EXTERIOR APPLICATIONS RECOMMENDED HEIGHT IS 12-18" TO CENTER OF BOX ABOVE FINISHED GRADE. WHEN PLACED IN STEP RISER THEY ARE TO CENTER IN THE RISER. FIELD COORDINATE FINAL PLACEMENT WITH ARCHITECT PRIOR TO ROUGH-IN.
1N	LINEAR LED IN COVE. MINIMUM RECOMMENDED COVE DIMENSION 4"W X 8"T. PLACE FIXTURE 3" O.C. OFF FINISHED COVE WALL BEHIND A 1" FASCIA TO CONCEAL FIXTURE FROM VIEW. LOW VOLTAGE LINEAR LED REQUIRES A REMOTE POWER SUPPLY TO BE LOCATED BY EC. REVIEW MANUFACTURE CUT SHEET FOR MAXIMUM FIXTURE LENGTH TO DETERMINE NUMBER OF LV FEEDS FROM THE POWER SUPPLY.
1O	PUCK LIGHTS MOUNTED IN NICHE OR MILLWORK. FOR ART NICHE AND MILLWORK WITH GLASS FRONT FIXTURE SHALL BE MOUNTED 3" O.C. FROM THE FINISHED FRONT EDGE. FOR EXPOSED SHELVING THE FIXTURE SHALL BE MOUNTED CENTER OF THE CABINET DEPTH. RECOMMENDED SPACING IS 18-24" O.C. FIXTURE REQUIRES A LOW VOLTAGE FEED FROM A REMOTE POWER SUPPLY TO BE LOCATED BY EC. RECOMMENDED MAXIMUM DISTANCE BETWEEN FIXTURE AND POWER SUPPLY IS 30FT.
1P	WALL SCONCE TO BE SWITCHED AT FIXTURE. PROVIDE 120 FEED TO J-BOX. FIELD COORDINATE MOUNTING HEIGHT AND LOCATION WITH ARCHITECT, OWNER, INTERIOR DESIGNER OR BUILDER.
1R	HALF HOT DIMMED IN-WALL OUTLET PLACED ON HOUSE FOR DIMMING SYSTEM FOR TABLE LAMPS. LCOATIONS SHOWN FOR REFERENCE ONLY. EC TO FIELD VERIFY LOCATION WITH ARCHITECT, OWNER, INTERIOR DESIGNER OR BUILDER PRIOR TO ROUGH-IN. DIMMED OUTLETS REQUIRE THE LUTRON U.L. LISTED DIMMED RECEPTACLE (NTR-15-HFDU OR SCR-15-HFDU WITH THE RP-HDU-10 CORD END) FOR DIMMING, WITHOUT THIS DIMMING RECEPTACLE, THERE IS THR RISK OF DAMAGING NON-DIM ITEMS SUCH AS ALARM CLOCKS, PHONE CHARGERS, AND VACUUMS.
1S	SWITCHED OR DIMMED OUTLET RECESSED IN FLOOR. LOCATIONS SHOWN FOR REFERENCE. FIELD LOCATION WITH ARCHITECT, OWNER, BUILDER, OR INTERIOR DESIGNER PRIOR TO ROUGH-IN.
1T	DIMMED OUTLET RECESSED IN FLOOR PLACED ON HOUSE DIMMING SYSTEM FOR FLOOR LAMPS. LOCATION SHOWN FOR REFERENCE ONLY. EC TO FIELD VERIFY LOCATION WITH ARCHITECT, OWNER, BUILDER, OR INTERIOR DESIGNER PRIOR TO ROUGH-IN. DIMMED OUTLETS REQUIRE THE LUTRON U.L. LISTED DIMMED RECEPTACLE (NTR-15-HFDU OR SCR-15-HFDU WITH THE RP-HDU-10 CORD END) FOR DIMMING, WITHOUT THIS DIMMING RECEPTACLE, THERE IS THE RISK OF DAMAGING NON-DIM ITEMS SUCH AS ALARM CLOCKS, PHONE CHARGERS, AND VACUUMS.
1U	CLOCK OUTLET TO BE PRE WIRED FOR FUTURE INSTALLATION AT 60" ABOVE FINISH FLOOR TO PROVIDE POWER FOR FUTURE OF PICTURE LIGHTS. SUB OUT AND COIL WIRE AT INDICATED LOCATION BEHIND FINISHED WALL.
1V	FIXTURE MOUNTED ABOVE DOOR HEADER AND ACTIVATED BY DOOR SWITCH. RECOMMENDED SWITCH: EDWARDS 502A OR FUNCTIONAL DEVICES CLC106. EC TO COORDINATE FINAL SWITCH SELECTION WITH BUILDER AND ARCHITECT PRIOR TO ROUGH-IN.
1W	LTG CONTROL REPEATER TO NE INSTALLED APPROXIMATELY 9' BELOW THE FINISHED CEILING IN LOCATION SHOWN. A 120V OUTLET SHALL BE INSTALLED WITHIN 12". LOW VOLTAGE LOCATION. WHEN INSTALLED IN CLOSETS OR CABINETRY THE REPEATER SHALL BE INSTALLED IN THE TOP CORNER OF LOCATION INDICATED UNLESS OTHERWISE DIRECTED ON PLANS.
1X	INTERFACE SHOWN ON THE DRAWINGS FOR REFERENCE. THE INTERFACE SHALL BE PLACED IN A REMOTE LOCATION AND HIDDEN FROM VIEW. THE INTERFACE IS BETWEEN THE DIMMER OR SWITCH AND THE LIGHTING LOAD. SEE LIGHTING CONTROL DETAILS FOR THE SPECIFIC INTERFACE WIRING REQUIREMENTS.
1Y	KEYPAD REQUIRES A 120V CONNECTION WITH NEUTRAL.
1Z	HYBRID KEYPAD. KEYPAD IS BOTH A DIMMER FOR THE LIGHTING LOAD SHOWN AND A KEYPAD. THIS DEVICE WILL REQUIRE A 120V CONNECTION NEUTRAL.

#	LIGHTING KEYED NOTES - NOT ALL KEYED NOTES WILL BE USED
2A	LINEAR LED RECESSED IN CEILING BEHIND DRYWALL. REFER TO CUTSHEET FOR INSTRUCTIONS. ARCHITECT TO VERIFY FINAL LOCATION AND LENGTH. REVIEW MANUFACTURE CUTSHEET FOR MAX FIXTURE LENGTH TO DETERMINE NUMBER OF LV FEEDS FROM THE POWER SUPPLY.
2B	LINEAR LED MOUNTED INTO COVE. FIXTURE REQUIRES A REMOTE POWER SUPPLY TO BE LOCATED BY EC. REVIEW MANUFACTURE CUT SHEET FOR MAXIMUM FIXTURE LENGTH TO DETERMINE NUMBER OF LV FEEDS FROM POWER SUPPLY.
2C	LINEAR LED PLACED ON TOP OF BUILT OUT LEDGE TO PUSH LIGHT ONTO BARREL CEILING. FIXTURE REQUIRES A REMOTE POWER SUPPLY TO BE LOCATED BY EC. REVIEW MANUFACTURE CUT SHEET FOR MAXIMUM FIXTURE LENGTH TO DETERMINE NUMBER OF LV FEEDS FROM POWER SUPPLY.
2D	FIXTURE TO MOUNT ON WALL WITH LED TOWARD CEILING. MOUNTING HEIGHT TO BE BETWEEN 18 AND 24 INCHES FROM THE CEILING. EC TO VERIFY FINAL HEIGHT.

WIRE LEGEND

LINE TYPE	DESCRIPTION	LINE TYPE	DESCRIPTION
	LINE VOLTAGE WIRING (120V TYP.)	SC	SECURITY WIRING
	LOW VOLTAGE WIRING (12V & 24V TYP.)	SH	SHADE WIRING
C1	COMMUNICATION WIRING	SP	SPEAKER WIRING
CC	COMPACT CLOSURE WIRING	SPC	SPEAKER & COMMUNICATION WIRING
D1	DATA WIRING		SWITCHLEG LINE WIRING
FC	FIRE WIRING	HD	VIDEO WIRING
KP	KEYPAD WIRING	WB	WALL BOX WIRING
MF	MANUFACTURING WIRING		

LIST OF ABBREVIATIONS

NOT ALL ABBREVIATIONS WILL BE USED ON THIS PROJECT

3-SPD	3 SPEED FAN MOTOR	LED	LED LIGHTING LOAD
A	AMPS	MAG LV	MAGNETIC LOW VOLTAGE LIGHTING LOAD
AFF	ABOVE FINISHED FLOOR	MC	MILLWORK CONTRACTOR
AV	AUDIO / VIDEO	OC	ON CENTER
AVC	AUDIO-VIDEO CONSULTANT	PE	ELECTRICAL ENGINEER
CB	CIRCUIT BREAKER	PNL	PANEL
EC	ELECTRICAL CONTRACTOR	QTY	QUANTITY
ELEC	ELECTRICAL	RELAY	RELAY SWITCHED LIGHTING LOAD
ELEC LV	ELECTRONIC LOW VOLTAGE LIGHTING LOAD	TBD	TO BE DETERMINED
GC	GENERAL CONTRACTOR	TYP	TYPICAL
INTD	INTERIOR DESIGNER	V	VOLTS
INCAN	INCANDESCENT LIGHTING LOAD	W	WATTS
INTD	INTERIOR DESIGNER	XFMR	TRANSFORMER
KVA	KILO VOLT AMPERES		

GENERAL LIGHTING NOTES

- SUBSTITUTIONS ARE NOT ALLOWED. REVIEW OF CONTRACTOR OR SUPPLIER PROVIDED ALTERNATES WILL BE PROVIDED AT $250 PER HOUR AT A MINIMUM OF 4-HOURS OR $1000.00. THIS AMOUNT IS TO BE PAID BY THE REQUESTING PARTY PRIOR TO EXECUTING THE REVIEW.
- ELECTRICAL CONTRACTOR TO LOCATE AND SIZE ALL REMOTE POWER SUPPLIES. SYMBOLS SHOWN ON DRAWINGS DO NOT REFLECT SUGGESTED LOCATIONS. EC TO SIZE LV CABLE FOR VOLTAGE DROP TO ENSURE FULL VOLTAGE (12V, 24V, DC, ETC) REACHES EACH LUMINAIRE.
- ELECTRICAL CONTRACTOR TO INCLUDE LABOR, LADDERS, MOTORIZED LIFTS, AND MISCELLANEOUS MATERIAL / EQUIPMENT AS REQUIRED TO COMPLETE AIMING OF DIRECTIONAL FIXTURES AT BOTH THE PROJECT FINISH, AND FOR FINE TUNING TO FOLLOW OWNER DIRECTION FOLLOWING OCCUPANCY. ON-SITE COORDINATION AND / OR A DOCUMENTED AIMING GUIDE WILL BE PROVIDE BY HELIUS TO PROVIDE DIRECTION.
- VERIFY ALL FINISHES, AND FINISH APPLICATIONS WITH THE ARCHITECT / OWNER / INTERIOR DESIGNER PRIOR TO ROUGH-IN AND ORDERING. EXAMPLES OF FINISH APPLICATIONS MAY INCLUDE CEILING AND WALL FINISHES, DEPTH, AS WELL AS ACOUSTIC, STRUCTURAL, AND INSULATION PROPERTIES.
- ELECTRICAL CONTRACTOR TO VERIFY WITH ARCHITECT / INTERIOR DESIGNER / OWNER ALL DECORATIVE FIXTURE LOCATIONS, STYLE, MTG HEIGHTS, AND INSTALLATION REQUIREMENTS PRIOR TO ROUGH-IN.
- WHERE APPLICABLE ELECTRICAL CONTRACTOR TO PROVIDE 10% OF ALL LAMP TYPES FOR FUTURE MAINTENANCE. NOT APPLICABLE TO FIXTURES WITH INTEGRAL LIGHT SOURCE.
- U.L. LISTING FOR DIMMING OUTLETS REQUIRE LUTRON SCR-15-DFDU / SCR-15-HFDU (OUTLET) WITH RP-FDU-10 (CORD END) OR EQUAL. AT BED SIDE OUTLETS IT IS RECOMMENDED THAT THE ELECTRICAL CONTRACTOR PROVIDE A 2-GANG BOX WITH AN ADDITIONAL DUPLEX OUTLET TO ACCOMMODATE NEEDS FOR THE LIGHTING AND CONVENIENCE OUTLETS.
- FIXTURES WTH A SOFT FOCUS LENS AND / OR HEX-CELL LOUVER SHALL PLACE THESE ACCESSORIES IN THE FOLLOWING ORDER: LIGHT SOURCE, LENS, LOUVER. LOUVER IS TO BE PLACED FURTHEST OUT FROM LIGHT SOURCE.
- ARCHITECT REFLECTED CEILING PLAN SHALL GOVERN FIXTURE LOCATION. WHEN REFLECTED CEILING PLAN LOCATIONS REFLECT SUBSTANTIAL CONFLICT WITH HELIUS PLANS COORDINATE WITH HELIUS AND ARCHITECT PRIOR TO ROUGH-IN.
- LANDSCAPE ARCHITECT LIGHTING PLANS SHALL GOVERN FIXTURE LOCATION. WHEN LANDSCAPE LIGHTING PLAN LOCATIONS REFLECT SUBSTANTIAL CONFLICT WITH HELIUS PLANS COORDINATE WITH HELIUS AND LANDSCAPE ARCHITECT PRIOR TO ROUGH-IN.
- SPRAY FOAM INSTALLATION: IC RATING DOES NOT INCLUDE THE USE OF SPRAY FOAM INSULATION UNLESS SPECIFICALLY LISTED BY THE FIXTURE MANUFACTURE. FOR FIXTURES NOT RATED FOR USE WITH SPRAY FOAM INSULATION BLOCKING SHALL BE PROVIDED TO KEEP SPRAY FOAM INSULATION AWAY FROM LUMINAIRE HOUSING.
- LIGHTING WITHIN CLOSETS SHALL COMPLY WITH NEC 410.16 SUBJECT TO THE LOCAL AUTHORITY HAVING JURISDICTION. REVIEW THE CODE DIRECTLY FOR SPECIFIC REQUIREMENTS. THE FOLLOWING GUIDELINES ARE PROVIDED FOR REFERENCE: ALL FIXTURES SHALL BE FULLY ENCLOSED. THE EDGE OF SURFACE MOUNT LED AND INCANDESCENT FIXTURES SHALL BE KEPT 12-INCHES FROM THE NEAREST POINT OF STORAGE SPACE. THE EDGE OF SURFACE MOUNTED FLUORESCENT FIXTURES, AND RECESSED LED, INCANDESCENT, AND FLUORESCENT FIXTURES SHALL BE KEPT 12-INCHES FROM THE NEAREST POINT OF STORAGE SPACE. ALL SURFACE FIXTURES PLACED WITHIN THE STORAGE SPACE SHALL BE LISTED FOR THAT USE BY UL OR AN EQUAL TESTING AGENCY.

CORE & SHELL REV NOTES:
- DETAILS SHEET ADDED

SHEET INDEX

PROSPECT

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

Revisions

No.	Issued For	Issue Date
	PERMIT SET	04-08-2021
	CORE & SHELL SET	09-04-2021

Casita Magee

Teton Village, Wy

Project No. : Project Number — Drawn: JG

Scale: 1 : 68 — Checked: JB

Sheet Title:

GENERAL NOTES

Sheet Number:

LT000

8/31/2021 2:16:54 PM

ARCHITECTUAL LIGHTING

TYPE	DESCRIPTION	MANUFACTURER	PART NUMBERS	FINISH	LIGHT SOURCE DESCRIPTION	WIRING SCHEMATIC	DIMMING	NOTES
L1A	INTERIOR STEP LIGHT	LUCIFER	ISL1-1-??-80L02B-27 SSLUMP OR SSL-MP-XX	??	2700K 90-CRI 43-LUMEN	W2	REV PH	1
L1B	EXTERIOR STEP LIGHT	LUCIFER	ISL1-2-??-80L02B-27 SSLUMP OR SSL-MP-XX	??	2700K 90-CRI 43-LUMEN	W2	REV PH	1
L3	3" ROUND ADJ DOWNLIGHT 40-DEG SHEETROCK ROUND FLUSH BEVEL TRIM	ELEMENT ENTRA	EN3R-LO-9-27-A-A-I EN3R-L-B-O-W	WHITE	2700K 90-CRI 715-LUMEN		ELV	2
L3A	3" ROUND ADJ DOWNLIGHT 20-DEG ROUND FLANGED BEVEL TRIM	ELEMENT ENTRA	EN3R-LO-9-27-A-A-I EN3R-L-B-O-W	WHITE	2700K 90-CRI 715-LUMEN		ELV	2
L3B	3" ROUND ADJ DOWNLIGHT 65-DEG ROUND FLANGED BEVEL TRIM	ELEMENT ENTRA	EN3R-LO-9-27-A-A-I EN3R-L-B-O-W	WHITE	2700K 90-CRI 715-LUMEN		ELV	2
L3C	3" ROUND ADJ DOWNLIGHT 40-DEG ROUND FLANGED LENSED BEVEL TRIM	ELEMENT ENTRA	EN3R-LO-9-27-A-A-I EN3R-L-B-H-W	WHITE	2700K 90-CRI 715-LUMEN		ELV	2
L7	3.0W LINEAR RIBBON EXTRUSION WITH DIFFUSED LENS	Q-TRAN	SW24/3.0-DRY-27 SERIES TORQ-??-SST-DF-NI-98.43	??	2700K 97-CRI 164-LUMEN/FT	W1	REV PH	
L7B	3.0W LINEAR RIBBON REC FLANGED EXTRUSION W/ DIFFUSED LENS	Q-TRAN	SW24/3.0-DRY-27 SERIES EMBD-ST-SP-DF-NI-98.43	SATIN	2700K 97-CRI 164-LUMEN/FT	W1	REV PH	
L7C	1.5W LINEAR RIBBON EXTRUSION WITH DIFFUSED LENS	Q-TRAN	SW24/1.5-DRY-27 SERIES TORQ-??-SST-DF-NI-98.43	??	2700K 97-CRI 92-LUMEN/FT	W1	REV PH	
L8	HALO 9" TASK/UTILITY LOW PROFILE	EATON	HU30 - SCT - 09 - P	WHITE	2700 TO 4000K - CRI 90 - 222LUMENS			
L8A	6" ROUND SURFACE MOUNT LIGHT SURFACE MTG KIT	RAB	DSK34-6-R-16-927-120-W-S SMKEZPAN-2X2	WHITE	2700K 90-CRI 1000-LUMEN		NA	

POWER SUPPLIES

TYPE	DESCRIPTION	MANUFACTURER	PART NUMBERS	FINISH	RELATED FIXTURE TYPES	WIRING SCHEMATIC	DIMMING	NOTES
D21	1 X 30W 24V DRIVER	Q-TRAN	QZ-30W-UNV-24V-PH/10-WH	WHITE	L7, L7B, L7C	W1	REV PH	
D21A	1 X 60W 24V DRIVER	Q-TRAN	QZ-60W-UNV-24V-PH/10-WH	WHITE	L7, L7B, L7C	W1	REV PH	
D21B	1 X 96W 24V DRIVER	Q-TRAN	QZ-96W-UNV-24V-PH/10-WH	WHITE	L7, L7B, L7C	W1	REV PH	
D21C	1 X 60W 24V DRIVER	LUCIFER	PSA-24V-60-1AT2		L1A, L1B	W2	REV PH	

GENERAL FIXTURE SCHEDULE NOTES

- ABBREVIATIONS: ?? = FINISH | ? = WIRE CONNECTION | X = QTY | XX = DEPTH, LENGTH, OR OTHER MEASUREMENT
- SEE SEPARATE WIRING SCHEMATIC SHEET FOR INDICATED LOW VOLTAGE, CONTROL INTERFACE, OR OTHER WIRING APPLICATION. EC TO DETERMINE THE NEEDS OF EACH SWITCH LEG. SWITCH LEGS MAY NOT USE ALL LISTED WIRING SCHEMATICS.
- WIRING SCHEMATIC W5A IS RECOMMENDED FOR ALL LOADS LESS THAN 25W. THIS IS NOT LISTED IN THE SCHEDULE ABOVE.
- VERIFY FINISH WITH ARCHITECT, INTERIOR DESIGNER OR OWNER PRIOR TO ORDERING.
- FIXTURES WITH FLANGED WHITE TRIM RING TO BE PAINTED TO MATCH CEILING SURFACE. EC TO COORDINATE WITH BUILDER AND PAINTING CONTRACTOR.
- VERIFY FINISHED CEILING DEPTH WITH ARCHITECT, INTERIOR DESIGNER OR OWNER PRIOR TO ORDERING.
- SEE FIXTURE MANUFACTURE CUTSHEET FOR DIMMING AND POWER SUPPLY REQUIREMENTS FOR EACH FIXTURE. VERIFY DIMMING COMPATIBILITY OF FIXTURE AND POWER SUPPLIES WITH INTEDED CONTROL PRIOR TO ROUGH IN.
- FOR ALL LINEAR APPLICATIONS, (TYPES BEGINNING WITH L7), SEE MFR CUTSHEET FOR MAX FIXTURE LENGTH PER LV FEED PRIOR TO ROUGH IN.
- EC TO FIELD VERIFY NUMBER OF LV FEEDS REQUIRED TO COMPLETE EACH APPLCIATION. EC TO DETERMINE MISC, UNSPECIFIED, MATERIAL REQUIRED FOR MTG, TERMINIATION, ETC. TO COMPLETE INSTALLATION.
- POWER SUPPLIES LISTED ARE FOR REFERENCE. NOT ALL LISTED POWER SUPPLIES WILL BE USED.

FIXTURE SPECIFIC NOTES

1. FIELD VERIFY MOUNTING REQUIREMENTS PRIOR TO SELECTING AND ORDERING MOUNTING PLATE.
2. FIXTURE COMES WITH 60, 40, AND 20 DEGREE OPTICS. TYPE DESIGNATION AND DESCRIPTION IDENTIFY WHICH OPTIC TO INSTALL FOR EACH FIXTURE.

PROSPECT

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

Revisions

No.	Issued For	Issue Date
	PERMIT SET	04-08-2021
	CORE & SHELL SET	09-04-2021

Casita Magee

Teton Village, Wy

Project No. : Project Number | Drawn: Author
Scale: | Checked: Checker

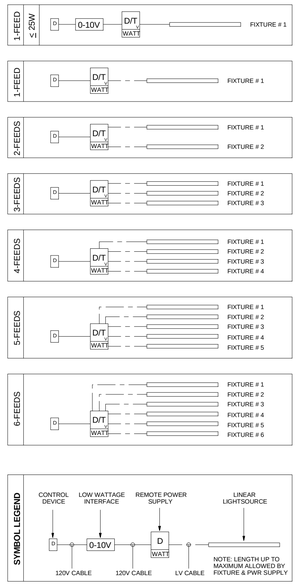
Sheet Title:
FIXTURE SCHEDULE

Sheet Number:
LT001

8/31/2021 2:16:55 PM

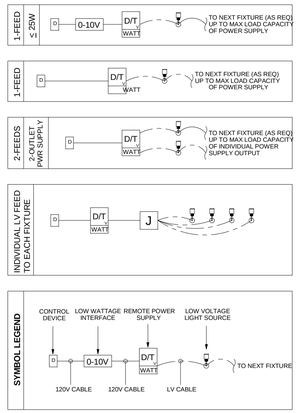
STANDARD WIRING SCHEMATICS

W1 WIRING SCHEMATIC: LINEAR LOW VOLTAGE (SWITCHED OR DIMMED MLV & ELV LOADS)



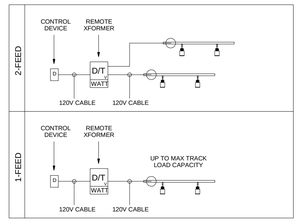
APPLICATION NOTES:
- 4 SEPERATE LOW VOLTAGE FEED IS REQUIRED AT THE BEGINNING OF EACH NEW LENGTH OF FIXTURE.
- WIRING SCHEMATIC DESIGNED FOR LINEAR APPLICATIONS USING A SWITCH OR FOR DIMMING MAGNETIC LOW VOLTAGE OR ELECTRONIC LOW VOLTAGE LOADS.
- USE OF LUTRON LUT-LBX OR OTHER LOW WATTAGE INTERFACE SHOULD BE USED WHENEVER TOTAL WATTAGE IS LESS THAN REQUIRED BY THE CONTROL DEVICE FOR PROPER OPERATION.
- FOR APPLICATIONS THAT REQUIRE MORE THAN ONE POWER SUPPLY TO FEED ALL FIXTURES REFER TO "EXAMPLE: MULTIPLE POWER SUPPLY APPLICATIONS".

W2 WIRING SCHEMATIC: LOW VOLTAGE FIXTURE (SWITCHED OR DIMMED MLV & ELV LOADS)



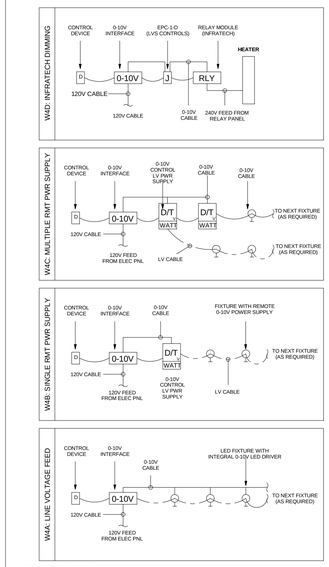
APPLICATION NOTES:
- WIRING SCHEMATIC DESIGNED FOR FIXTURE APPLICATIONS DIMMING MAGNETIC LOW VOLTAGE OR ELECTRONIC LOW VOLTAGE LOADS, OR USING A STANDARD SWITCH.
- USE OF LUTRON LUT-LBX OR OTHER LOW WATTAGE INTERFACE SHOULD BE USED WHENEVER TOTAL WATTAGE IS LESS THAN REQUIRED BY THE CONTROL DEVICE FOR PROPER OPERATION.
- FOR APPLICATIONS THAT REQUIRE MORE THAN ONE POWER SUPPLY TO FEED ALL FIXTURES REFER TO "EXAMPLE: MULTIPLE POWER SUPPLY APPLICATIONS".

W3 WIRING SCHEMATIC: LOW VOLTAGE TRACK (SWITCHED OR DIMMED MLV & ELV LOADS)



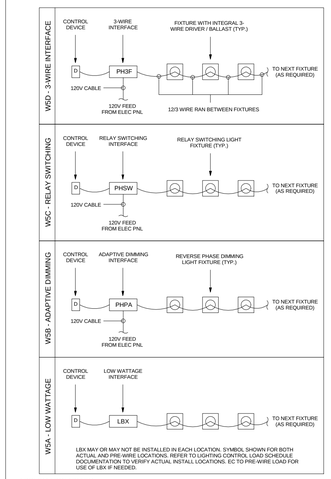
APPLICATION NOTES:
- SIZE LOW VOLTAGE CABLE AND USE APPROPRIATE TAP TO ENSURE 12V REACHES THE LOW VOLTAGE FIXTURE FROM REMOTE LOCATION.
- TOTAL WATTAGE OF TRACK HEADS SHALL NOT EXCEED THE TOTAL RATED WATTAGE OF THE TRACK. REFER TO MANUFACTURE CUT SHEETS.
- FOR APPLICATIONS THAT REQUIRE MORE THAN ONE POWER SUPPLY TO FEED ALL FIXTURES REFER TO "EXAMPLE: MULTIPLE POWER SUPPLY APPLICATIONS".

W4 WIRING SCHEMATIC: 0-10V DIMMABLE FIXTURE WITH INTEGRAL OR REMOTE POWER SUPPLIES



APPLICATION NOTES:
- SCHEMATIC ILLUSTRATES WIRING TYPICAL OF AN LED FIXTURE WITH 0-10V DIMMING CAPACITY. REFER TO MANUFACTURES INSTALLATION INSTRUCTIONS FOR SPECIFIC FIXTURE REQUIREMENTS.
- W4D: SEE LUTRON APPLICATION NOTES ABOUT INFRATECH HEATER INTEGRATION FOR SPECIFIC WIRING DIAGRAMS WITHING THE 0-10V INTERFACES.

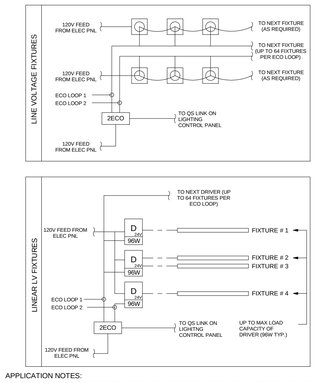
W5 WIRING SCHEMATIC: IN-LINE 120V POWER INTERFACES



APPLICATION NOTES:
- WIRING SCHEMATICS DESIGNED FOR FIXTURES REQUIRING ADDITIONAL IN-LINE POWER/DIMMING/SWITCHING INTERFACES FOR PROPER CONTROL.
- USE OF LUTRON LUT-LBX OR OTHER LOW WATTAGE INTERFACE SHOULD BE USED WHENEVER TOTAL WATTAGE IS LESS THAN REQUIRED BY THE CONTROL DEVICE FOR PROPER OPERATION.

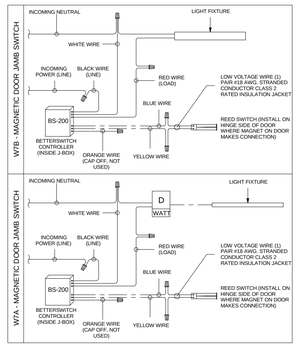
CUSTOM WIRING SCHEMATICS

W6 LUTRON ECO-SYSTEM WIRING SCHEMATIC



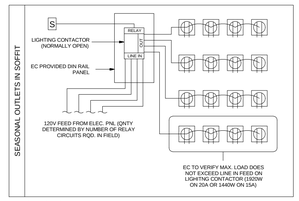
APPLICATION NOTES:
- LUTRON ECO-SYSTEM INTEGRATED INTO LIGHTING CONTROL SYSTEM ELIMINATES THE NEED FOR IN-LINE SWITCHING/DIMMING HARDWARE.
- 120V CONSTANT FEED TO ALL LINE VOLTAGE FIXTURES AND/OR DRIVERS.
- 2-CONDUCTOR LOW-VOLTAGE NEC CLASS 2 CABLE (SMAWG - 12AWG) RAN BETWEEN EACH FIXTURE/DRIVER AND BACK TO ECO LOOP 1 OR 2. MAX OF 64 FIXTURES/DRIVER PER ECO-LOOP.
- EACH FIXTURE/DRIVER RECEIVES INDIVIDUAL LOAD # ASSIGNMENT IN LIGHTING CONTROL SOFTWARE. GROUPINGS OF LIGHT FIXTURES FOR CONTROL PURPOSES TO BE MADE IN PROGRAMMING.

W7 WIRING SCHEMATIC: LOW VOLTAGE MAGENTIC DOOR JAMB SWITCH (LIGHT US OFF WHEN DOOR IS CLOSED)



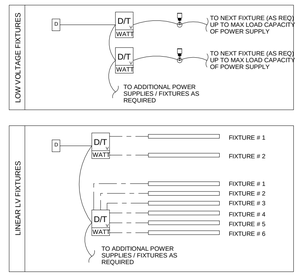
APPLICATION NOTES:
- ROUTE LOW VOLTAGE WIRE (1) PAIR STRANDED #18 AWG CLASS 2 RATED INSULATION JACKET TWO CONDUCTOR WIRE FROM LIGHT FIXTURE TO WHERE SWITCH WILL BE LOCATED.
- TO INSTALL SWITCH, DRILL HOLE IN HINGE SIDE OF DOOR JAMB USING A 3/8" DRILL BIT TO ALLOW SWITCH TO BE PUSHED INTO HOLE USING A THUMB (DO NOT DRIVE SWITCH INTO HOLE IF IT CANNOT BE PUSHED WITH A THUMB, MAKE HOLE LARGER). MAKE UP #18 AWG CONDUCTORS TO SCREW TERMINALS ON BOTTOM SWITCH (LANDING LUGS) BEFORE MOUNTING SWITCH. BE CAREFUL NOT TO OVER TIGHTEN.
- DRILL 3/8" HOLE IN DOOR SIDE AND INSTALL MAGNET WITH THUMB. THE SWITCH AND MAGNET SHOULD LINE UP AS CLOSE AS POSSIBLE WITH GAP BETWEEN THEM NO MORE THAN 1/2" MAXIMUM.
- INSTALL POWER CONTROLLER. PROVIDE A SINGLE POLE DISCONNECT SWITCH ON LINE SIDE OF CONTROLLER, MAKING UP CONDUCTORS AS PER THE ABOVE DIAGRAM. AFTER ALL THE CONNECTIONS HAVE BEEN MADE, THE BS-200 CAN BE PLACED INTO AN ELECTRICAL JUNCTION BOX.

W8 LIGHTING RELAY CONTACTOR PANEL



APPLICATION NOTES:
- EC TO PROVIDE DIN RAIL PANEL FOR RELAY CONTACTOR MOUNTING & LIGHTING RELAY CONTACTOR
- EC TO FIELD VERIFY AND COORDINATE QNTY AND LOCATIONS OF SOFFIT OUTLETS WITH OWNER
- MULTIPLE CONTACTORS MAY BE USED IN RELAY PANEL
- RECOMMENDED PART NUMBER FOR LIGHTING CONTACTOR:
- ABB LIGHTING CONTACTORS: AF16-40-00-13

- EXAMPLE: MULTIPLE POWER SUPPLY APPLICATIONS



REMOTE POWER SUPPLY SELECTION STEPS: LINEAR LIGHT FIXTURES	
1	REVIEW MFG CUT SHEET & INSTALLATION INSTRUCTIONS
2	ENTER VOLTAGE
3	ENTER CONTROL OR DIMMING TYPE
4	ENTER FIXTURE WATTAGE PER FOOT
5	ENTER FIXTURE MAXIMUM ALLOWABLE LENGTH
6	MEASURE TOTAL LENGTH REQUIRED FOR APPLICATION
7	DIVIDE LINE-6 BY LINE-5
8	ROUND AMOUNT IN LINE-7 UP TO NEAREST WHOLE NUMBER
9	EVALUATE APPLICATION TO DETERMINE TOTAL NUMBER OF REQUIRED FEEDS
10	ADD LINE-8 & LINE-9 TO FOR TOTAL NUMBER OF REQUIRED FEEDS
11	MULTIPLY LINE-4 BY LINE-6 FOR MINIMUM REQUIRED WATTAGE
12	USE INFORMATION IN LINES 2, 3, 10, AND 11 TO SELECT POWER SUPPLY (NOTE B)

NOTE A EXAMPLE WOULD INCLUDE MAINTAINING LV FEEDS IN CORNERS OF COVES, OR HOME RUN OF LOW VOLTAGE FEEDS MILLWORK LOCATIONS

NOTE B MORE THAN ONE POWER SUPPLY MAY BE REQUIRED BY APPLICATION

REMOTE POWER SUPPLY SELECTION STEPS: INDIVIDUAL LIGHT FIXTURES	
1	REVIEW MFG CUT SHEET & INSTALLATION INSTRUCTIONS
2	ENTER VOLTAGE
3	ENTER CONTROL OR DIMMING TYPE
4	ENTER FIXTURE WATTAGE
5	DIVIDE LINE-6 BY LINE-5
6	DIVIDE LINE-6 BY LINE-5
12	DIVIDE LINE-6 BY LINE-5

NOTE A MORE THAN ONE POWER SUPPLY MAY BE REQUIRED BY APPLICATION

COMMON LOAD SYMBOLS	
	LINEAR FIXTURES
	LV TRACK OR MONORAIL
	MONOPOINT LV TRACK HEAD
	STEP LIGHTS
F	UP LIGHTS (WELL LIGHTS)
	PUCK OR NICHE LIGHTS
	WALL AND CEILING MOUNTED FIXTURES

PROSPECT

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

Revisions

No.	Issued For	Issue Date
	PERMIT SET	04-08-2021
	CORE & SHELL SET	09-04-2021

Casita Magee

Teton Village, Wy

Project No. : Project Number — Drawn: Author

Scale: 3/16" = 1'-0" — Checked: Checker

Sheet Title:

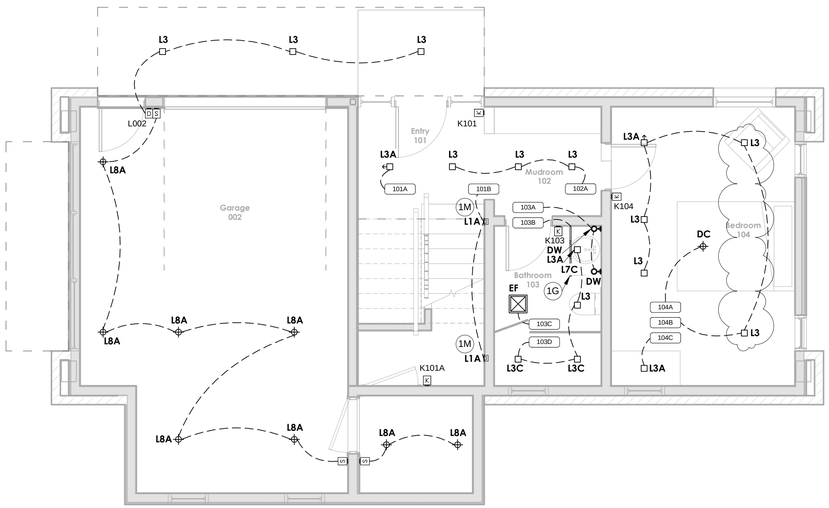
WIRING SCHEMATICS

Sheet Number:

LT002

8/31/2021 2:16:55 PM

CORE & SHELL REV NOTES:
- BEDROOM 104:
1. ALIGNED L3 DOWNLIGHTS ON WINDOW



PROSPECT

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

Revisions

No.	Issued For	Issue Date
	PERMIT SET	04-08-2021
	CORE & SHELL SET	09-04-2021

Casita Magee

Teton Village, Wy

Project No. : Project Number — Drawn: JG
Scale: 1/4" = 1'-0" — Checked: JP

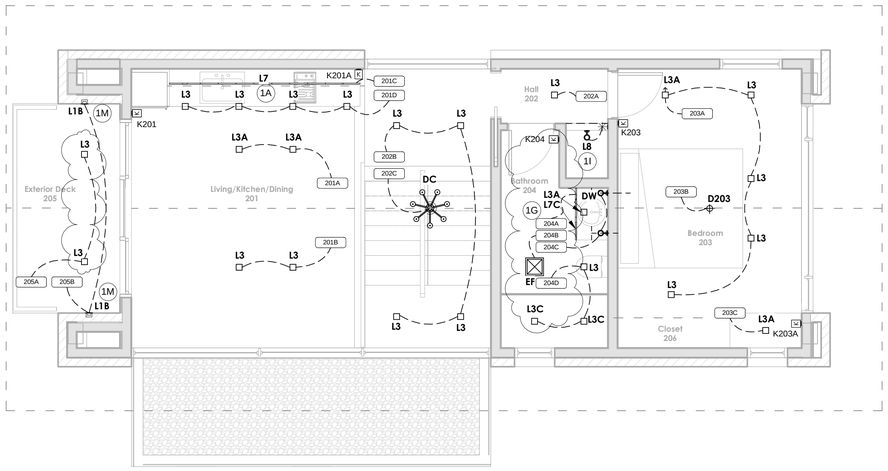
Sheet Title:
MAIN LEVEL LIGHTING

Sheet Number:
LT111

8/31/2021 2:16:57 PM

CORE & SHELL REV NOTES:

- BATHROOM 204:
  1. ALIGNED SHOWER L3C AND EXHAUST FAN ON WINDOW
  2. OMIT (1) L3 DOWNLIGHT
- EXTERIOR DECK 205
  1. ALIGNED L3 DOWNLIGHTS WITH L1B STEP LIGHTS



PROSPECT

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

Revisions

No.	Issued For	Issue Date
	PERMIT SET	04-08-2021
	CORE & SHELL SET	09-04-2021

Casita Magee

Teton Village, Wy

Project No. : Project Number — Drawn: Author

Scale: 1/4" = 1'-0" — Checked: Checker

Sheet Title:

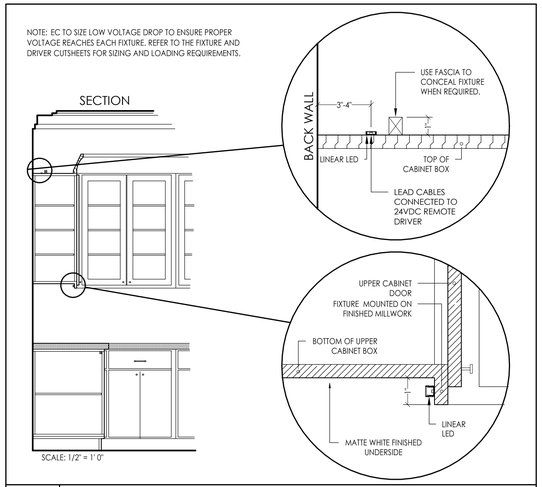
UPPER LEVEL LIGHTING

Sheet Number:

LT112

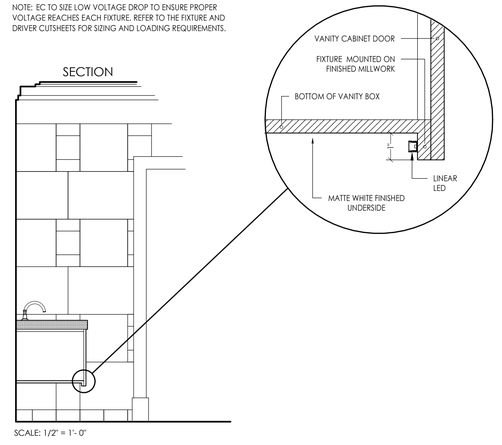
8/31/2021 2:16:58 PM

NOTE: EC TO SIZE LOW VOLTAGE DROP TO ENSURE PROPER VOLTAGE REACHES EACH FIXTURE. REFER TO THE FIXTURE AND DRIVER CUTSHEETS FOR SIZING AND LOADING REQUIREMENTS.



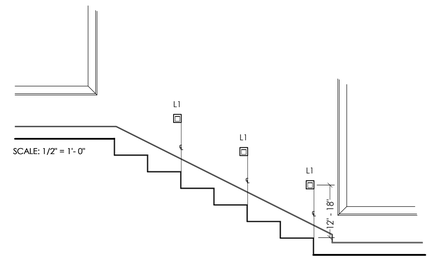
1A UPPER & LOWER CABINET LIGHTING FOR ACCENT / TASK LIGHTING

NOTE: EC TO SIZE LOW VOLTAGE DROP TO ENSURE PROPER VOLTAGE REACHES EACH FIXTURE. REFER TO THE FIXTURE AND DRIVER CUTSHEETS FOR SIZING AND LOADING REQUIREMENTS.



1G UNDER FLOATING CABINET FOR ACCENT ILLUMINATION

NOTE: STEP LIGHT MOUNTED BETWEEN 12" AND 18" ABOVE FINISHED GRADE. IF MOUNTED ABOVE STAIRS, ALIGN EDGE OF STEPLIGHT WITH EDGE OF TREAD. FINAL MOUNT HEIGHT AS DIRECT BY ARCHITECT /OWNER.



1M STEP LIGHTS RECESSED MOUNTED FOR PATH ACCENT

CORE & SHELL REV NOTES:
- DETAILS SHEET ADDED

8/31/2021 2:16:58 PM

PROSPECT

4030 W Lake Creek Dr. Ste 104
PO Box 694 Wilson, WY 83014

T & F 307-264-2600
prospectjh.com

Revisions

No.	Issued For	Issue Date
	PERMIT SET	04-08-2021
	CORE & SHELL SET	09-04-2021

Casita Magee

Teton Village, Wy

Project No. : Project Number — Drawn: Author
Scale: 1/2" = 1'-0" — Checked: Checker

Sheet Title:
DETAILS

Sheet Number:
LT160