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ADDENDUM NO: 03

DATE: **Thursday – November 19, 2026**

PROJECT: **MSU Hamilton Hall Life Safety System Improvements** Bozeman, Montana

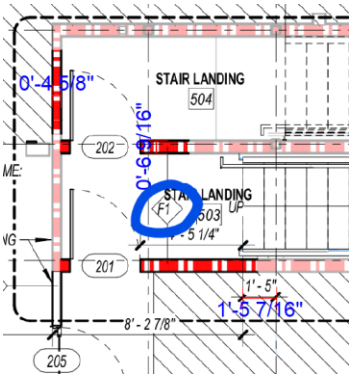
ARCHITECT: Mosaic Architecture, 317 N. Cruse Ave., Suite 201

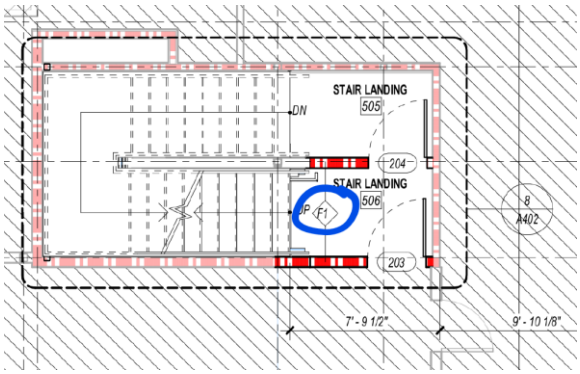
TO: All plan holders of record

The above-numbered solicitation is amended as set forth below. Bidders/Offerors must acknowledge receipt of this amendment prior to the hour and date specified for receipt of bids/proposals, by completing the addendum acknowledgement on the form titled "Bid Proposal".

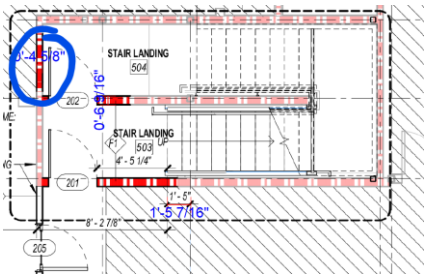
GENERAL QUESTIONS AND RESPONSES:

1. See attached pre-construction walk-thru attendance sign in sheet.
2. Clarification: The fire sprinkler review will occur during the building permit review, and the General Contractor or Fire Alarm Contractor will be responsible for submitting the fire alarm shop drawings at a later date.
3. Clarification: MSU will not accept anything other than Commscope products.
4. Question: Sheet A112 has a wall type F1 called out. I cannot find wall type F1 on sheet A004. What wall type should this be? Response: See revised Sheet A112 for correct wall tags.

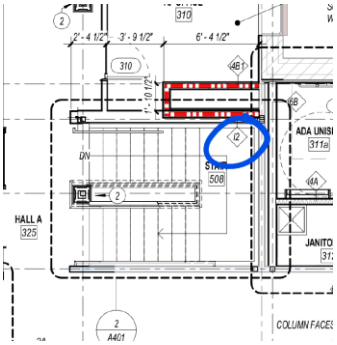




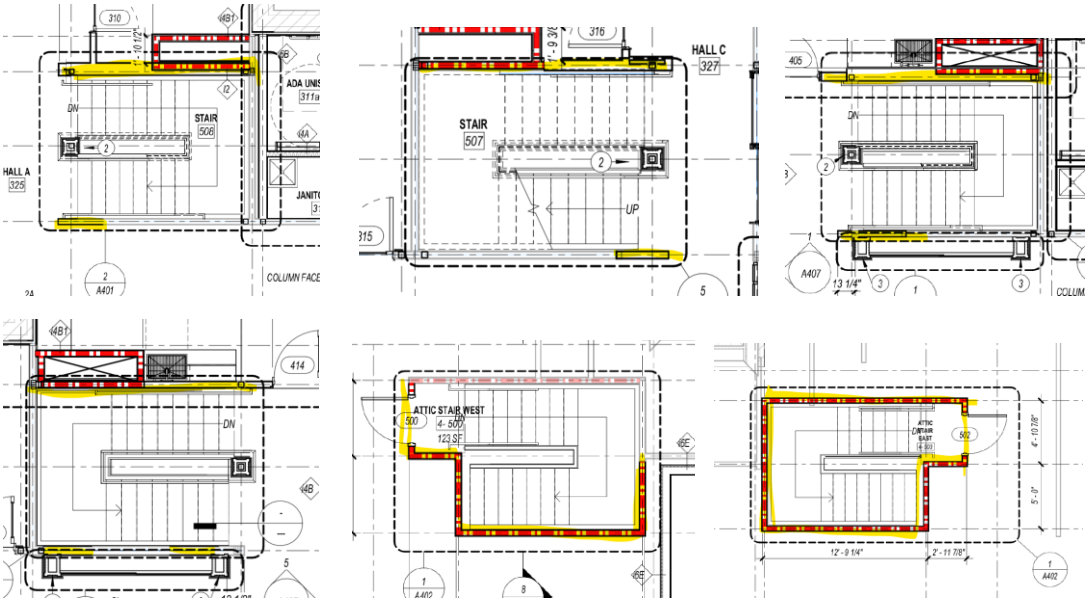
5. Question: The wall type for the smaller stair well is also not called out on A112. What wall type is this? Response: See revised Sheet A112 for correct wall tags.



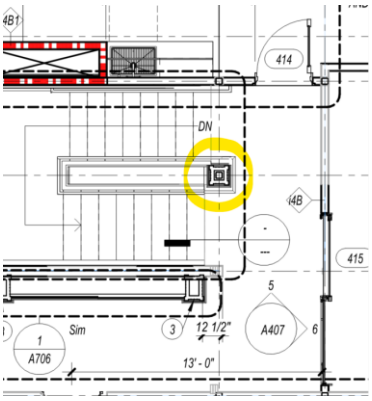
6. Question: What wall type is I2 on sheet A113? I could not find wall type I2 on sheet A104. Response: See revised Sheet A113 for correct wall tags.



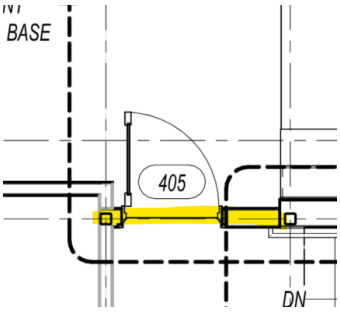
7. Question: Could you please provide wall types on sheets A112, A113, A114, A115. Response: See revised Sheets A112, A113, A114 and A115 for correct wall tags.



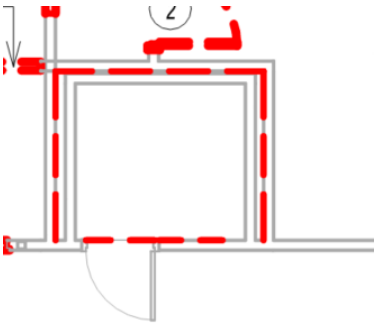
8. Question: Should the column in the East stair well on level 4 have a keynote 2 callout for a 5/A708 architectural column? See sheet A114. Response: Yes, it should have keynote 2.



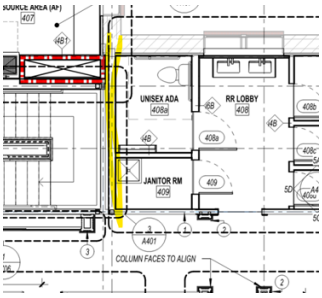
9. Question: What is the wall type around door 405? It appears to be a 6" wall, but not sure if it is a Type B wall. Please clarify. Response: Wall type tag is i6B.



10. Question: What is the demolition line around what appears to be the elevator on sheet A104. Response: No demolition is required.



11. Question: On sheet A114 what wall type is the west wall of Unisex ADA 408a? Response: See revised Sheet A114 for correct wall tag.



12. Question: On sheet A004 has a wall type i#C shown, however I was unable to find these wall types called out. Response: See attached sheets for locations of wall type i#C. See attached Sheets A113 and A114.

13. Question: On sheet A102 there is an additional ceiling being removed that is not showing as new ceiling on A116. Response: See revised Sheet A102, ceiling is not being removed.



14. Question: On sheet A601 the trim types are identified by referencing the second half of the frame type designation (H and HC). However, there is a designation of 1 that occurs but there is no clear direction on the trim. What type of trim is needed for these frames HC or H? Response: HC, see revised Sheet A601.

15. Question: On A601, the window header trim on the window elevations has detail 9/A601 called out for Type A, B, and C. However, 9/A601 is the typical HM door type and doesn't make sense. Type A and B windows also have Detail 4/A601 called out for the header trim. Can 4/A601 be applied to window type C? Response: See revised Sheet A601.

16. Question: Could you please provide a percentage of subfloor nailing required per the structural for bidding purposes. Response:

17. Question: Sheet A/601 has a key/pattern for ¼" laminated safety glazing with frosted glass film. However, none of the window and door types have that pattern. Where does the frosted glass film go? Response: See attached Sheet A/601 for location of frosted glass film.

18. Question: General door note 10 on sheet A/601 states that the "extent of historic work shall be constrained to the first floor and new stairs." Are levels 3, 4 and the attic not included with the historic work classification? Response: General Note 10 has been omitted.

19. Question: The Ultra-Tec cable for the railings is only supplied in 1/8" and 3/16" not the ¼" specified. Please clarify which suppliable size you would like. Response: 3/16" is acceptable.

20. Question: Sheet A407 calls out floor to ceiling floor to ceiling wall graphics to be coordinated with MSU and Officers. There is not an elevation on what this looks like nor a specification. Is this an OPOI or OPCI item? Response: This is a Contractor supplied and installed item. For bidding, use a printed vinyl wall graphic for pricing.

21. Question: Is FRP needed at the Janitor Room mop sink? Response: Yes, provide FRP around sinks. See revised Sheets A702 and A703.

22. Question: Looking at the stairs and specifications for this project, details 6,8/A403 call for the stair stringers to be powder coated, but the rest of the details call for "paint P3." Looking into the specifications, the stair section calls for the stringers to be shop primed. The decorative handrail section calls for the steel handrail to be powder coated. Are the stairs and rails supposed to be powder coated or primed? Response: All steel to be primed and field painted.

23. Question: Access control is called out on the door schedule on A601. Access controls are also called out in specification 08 7100 with a note reference "Division 28 Section: Access Control." However, there is no Division 28 Access Controls. Will Access Controls be by Owner. Response: Yes, Access Controls will be Owner.

24. Sheets A117 and A118 – Revised stairwell finish from veneer wood panels to ½" hat channels, gypsum board, and paint.

25. Clarification for subfloors in all tiled areas on floors 3 and 4. General Contractor will install all structural plywood underlayment, and tile contractor will install Schluter Uncoupling and waterproofing membrane and tile over it. The tile contractor will be responsible for minimal patching as needed.

26. Clarification: Schluter Uncoupling and waterproofing membrane is an approved product at tile floors only. Turn membrane up walls.

27. Clarification: All tile floors with floor drains will be flat with a local slope at each drain only. FD-1 drain body has tile flange.

28. Clarification: The wall tile backer board will be furnished and installed by gypsum trade and tile contractor will apply tile over it.

29. Clarification On Tile Base: A flat 3 x 6 Desert Gray tile course on Schluter DILEX-EK, per detail 2/A404. No cove-base needed as base per specifications.

30. Clarification: Detail 2/A404 shows a Schluter JOLLY at top and vertical termination of tile wainscot, that is correct. Disregard Note 5 on Sheet A702 referencing a bullnose tile. Color of all Schluter trim will be picked during shop drawing review.

31. Clarification: Detail 7/A404 and 1A/A404, the knee wall runs the entire with of the wall, not just the window opening. The height of the wall is per detail 4/A404 is 3'-6".

32. Clarification: See attached revised Sheet A703 finish schedule to clarify finishes in Janitor's Room 409.

33. Clarification: Detail 3/A702 use RENO-U at each RR Lobby and Hall openings.

34. Clarification: Finish Schedule on Sheet A702. Room 311 had a comment to "See Tile Layout 2/A707, this note has been omitted.

35. Clarification: Specification Section 3:05 has 5 percent of the installed number of full-size tiles, Section 103.E.2 has 1 percent. 5 percent is required.

36. Question: Per the furniture list in specification section 12 2400, are items 126 and 128 supposed to be in secure file storage room 314? They are listed as room 315 HR, but match the information provided on A800 in room 314 secure storage. The two standalone cabinets in room 315 HR appear to be item 132 STOR1 and there are no other items in room 315 that would be items 126 and 128. Please clarify. Response: Correct.

37. Question: Per specification section 12 2400, the total count of C4 chairs in the furniture list is 15 each (7 in room 403 and 8 in room 416). However, per A800 there are 16 each C4 chairs in room 403 and 16 each C4 chairs in room 416. Please clarify the quantity of C4 chairs needed. Response: Please use totals given in the Furniture Sheets. There are 16 C4 chairs shown in each Classroom and then a stack of chairs shown in each adjacent Storage Room. Client asked for 30 total seated height chairs for each Classroom.

38. Question: Per specification section 12 2400, the total count of C5a chairs in the furniture list is 10 each (5 in room 404 and 5 in room 415). However, per A800 there are 10 each C5a in room 404 and 10 each C5a in room 415. Please clarify the quantity of C5a chairs needed. Response: The C5a are sold in packs of 2, so a quantity of 5 for each room totals 10 chairs for each room.

39. Question: Per specification section 12 2400, the total count of C5b chairs in the furniture list is 6 each (3 in room 406 and 3 in room 413). However, per A800 there are 6 each C5b in room 403 and 6 each C5b in room 413. Please clarify the quantity of C5b chairs needed. Response: The C5b are sold in packs of 2, so a quantity of 3 for each room totals 6 chairs for each room.

40. Question: The structural demolition plan appears to have a bunch of dashed beams that are not specifically called out to be removed. In some cases, there is a new beam going in those locations, in others, there appears to be no new structure. Could you please clarify which structural components need to be removed. Response: See attached revised Sheet S102.

ARCHITECTURAL:

DRAWING CHANGES:

1. **Sheet A004 –** See revised sheet.
2. **Sheets A102 –** See revised demolition plan.
3. **Sheet A112 –** See revised 2nd floor plan.
4. **Sheet A113 –** See revised 3rd floor plan.
5. **Sheet A114 –** See revised 4th floor plan.
6. **Sheet A115 –** See revised Attic plan.
7. **Sheet A116 –** See revised 2nd floor RCP.
8. **Sheet A117 –** See revised 3rd floor RCP.
9. **Sheet A118 –** See revised 4th floor RCP.

10. **Sheet A403 –** See revised stair and handrails.
11. **Sheet A407 –** See revised 4th floor – Enlarged plans and interior elevations.
12. **Sheet A601 –** See revised Door & Window Types, Door Schedules.
13. **Sheet A702 –** See revised 3rd Floor Finish & Schedule.
14. **Sheet A703 –** See revised 4th Floor Finish & Schedule.

SRTRUCTURAL:

DRAWING CHANGES:

1. **Sheet S102 –** See revised sheet.

MECHANICAL/PLUMBING:

PRIOR APPROVALS:

1. Approved: Specification 23 0523 – Testing Adjusting and Balancing for HVAC - Statera Technical Services – Approved.
2. Approved: Specification 23 0900 – HVAC Controls - Johnson Controls, Inc – Not Approved.
3. Approved: Specification 23 0900 – HVAC Controls – Mechanical Technology, Inc. – Not Approved.
4. Approved: Specification 23 8219 – Fan Coil Units – Kampmann – Approved.

CONTRACTOR CLARIFICATION:

1. Question: I see that all the low-profile units are under windows, so I assume that space is limited. What is the maximum allowable unit height that will fit. – Response: Low profile fan coil units located under windows have about 16: of space.
2. Johnson Controls, Inc and Mechanical Technology, Inc. both requested to bid the project under the condition that they would replace all existing controls if they won the project. However, through discussion with representatives at MSU and the state, it was decided to solely allow the existing controls contractor (Electro Controls) per the specifications.

SPECIFICATION CHANGE:

1. Specification Section 23 8219 – Fan Coil Units, 2.01, H – Remove section H requiring corrosion-resistant coating capable of 3,000-hour salt-spray test.

ELECTRICAL:

PRIOR APPROVALS:

1. Approved: Specification 27 1100 – Telecommunications Rooms – Panduit – Not Approved.
2. Approved: Specification 27 1500 – Backbone Cabling – Panduit – Not Approved.

3. Approved: Specification 27 1600 – horizontal Cabling – Panduit – Not Approved.

ELECTRICAL QUESTION AND CLARIFICATIONS:

1. The Emergency Inverter specified on EL601 has a capacity of 1500W. The inverter schedule shows a connected load of 1271 VA on A and 846 VA on B. The total connected load exceeds the specified inverter's capacity. Should the inverter be upsized or should the load be split across two inverters? Please confirm the emergency lighting load, inverter size, and the battery runtime basis (90 minutes). Response: The inverters have a 4500W input capacity, however, they will only output 1500W in an emergency situation. This means load shedding will occur during an emergency. We will update the model number to "EMIU-1500-4-LD" to clarify this load shedding, and add a clarification note to the schedule.

2. The specifications call for battery-powered exit signs while the drawings indicate a central inverter. Please confirm the desired option. Response: Battery-powered exit signs (Type EX3) will only be located in the attic. Edge-lit-exit signs on Levels 3 and 4 (Type EX1 and EX2) require AC power from the inverter. Luminaire schedule is correct but understood on confusion in the attic as we showed an inverter tag – those will not be connected to central inverter, refer to keynote # 1 on EL119.

3. Have Lutron shop drawings been published or requested? EL601 Lighting Control Notes place all liability for providing a complete working system on the EC without providing factory shop drawings or a complete Lighting Control System. Response: Lutron control shop drawings should be provided to the Engineer by the EC at the time of the lighting submittal. Additional test added to this note.

4. The Lutron lighting control devices specify phase select dimming modules. Most of the specified luminaires use 0-10V dimming. Please confirm which controls modules are intended for 0-10V fixtures and what emergency control device is intended for 0-10V fixtures on the emergency inverter. Response: Confusion here stems from PP-10EM not populating in the schedule. Schedule updated on Addendum # 3. Layouts are correct.

5. Will illuminated exit signs and emergency egress lighting be required at the new exit doors (403, 416. And 407/412 stair doors) and inside the rooms? Response: Yes, shown on EL118.

6. Will lighting and control be required for room 410A? If so, please specify the fixture type and control. Response: Yes, shown on EL117.

DRAWING CHANGES:

1. **Sheet EL000** – Prior approval packages from Quantum Lighting & The Lighting Agency added.

2. **Sheet EL000** – Specification R04 was decidedly locked, as we feel strongly about the original specification.

3. **Sheet EL119** – Clarification added to keynote #1, and incorrect INV tag was removed. Exit signs in Attic are battery powered and should be connected to the nearest unswitched hot electrical circuit.

4. **Sheet EL601** – Clarification added on exit sign descriptions, so they show whether they are AC powered (connect to central inverter) or battery powered (connect to unswitched hot circuit).

5. **Sheet EL601** – Type INV model number edited to include load shedding, note for load shedding to be set at 75% added.
6. **Sheet EL601** – PP-10EM was previously included correctly on plan sheets, but was not populating in Lighting Control Device Schedule, it now shows the schedule.
7. **Sheet EL601** – Additional clarification on Lighting Control Device Schedule Note #2, for EC to provide factory shop drawings for lighting controls to Engineer during submittal review process.

END OF ADDENDUM 03

MONTANA STATE UNIVERSITY

CAMPUS PLANNING, DESIGN & CONSTRUCTION
Sixth Avenue and Grant Street • P.O. Box 172760 • Bozeman, Montana 59717-2760
Phone: (406) 994-5413 • Fax: (406) 994-5665

PREBID MEETING SIGN-IN SHEET

Project Name: Hamilton Hall Life Safety System Improvement
Building Location: Hamilton Hall

PPA No.: 23-0925
Date: 11-4-2026

*Please provide the following information . **Please print carefully.***

Name:	Company/ Email	Phone:
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Kyle Silva	Kyle.Silva@daconstruction	406.517.7903
Hunter Knoll	Hunter.k@jobsitesolutionsmt.com	406-849-0471
Michael Shea	Mackovich Construction/mshea@mackovichinc.com	406-498-4379
Sam Barnes	Taylor Construction	661-623-4988
Gary Carlson	Green Power systems/ gary@gpselectricmt.com	406-698-3517
Ty Spring	Spring Corporation/ TSpring@Springcorp.net	406.581.0029
Ben Hommen	The Third Element benh@3econtractors.com	406-451-3363
Joe Robbins	carpenter foreman Joseph.Robbins2@montana.edu	406-994-5467
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Shane Austin	Shane@Swankenterprises.com	406-845-3200
George Grismer	Golden Eagle georgeg@geconstruction.com	406 208 2407
Avery Sanders	Taylor Construction Avery.S@taylor-construct.com	(406) 404-0356
Oscar Mercado	oscar@smlcorp.com	406 920-1419
Cody Jacobson	CodyJ@Anthemelectricllc.com	303-941-6305

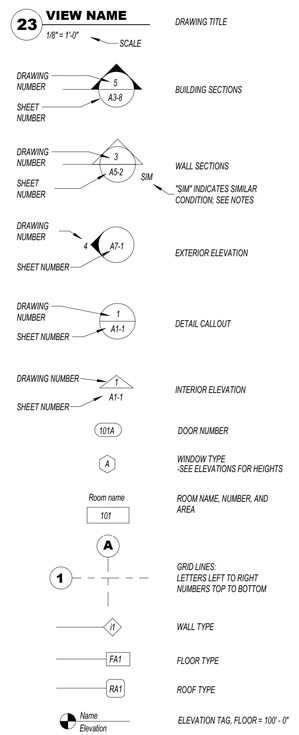
Luke Spencer Liberty Electric luke.spencer@libertyelectricinc.com

406-390-1522

ABBREVIATIONS:

@	at	FA	fire alarm/floor-ceiling assembly	PTD/R	paper towel dispenser/receptacle
A.B.	anchor bolt	FAH	fire alarm horn	PVMT	pavement
A/C	air conditioning	FAS	fire alarm station	PVC	polyvinylchloride
ACC PNL	access panel	FD	floor drain	QTY	quantity
ACOUST	acoustical	FDN/FND	foundation	R/RAD	radius
ACT	acoustical ceiling tile	FE	fire extinguisher	R	riser
AD	area drain	FEC	fire extinguisher cabinet	RA	roof/ceiling assembly
ADJ	adjacent	FF	finished floor	RB	rubber base
AFF	above finished floor	FFHB	frost free hose bib	RD	roof drain
AIB	air infiltration barrier	FG	finish grade	RE	regarding
ALT	alternate	FH	fire hydrant	REF	reference/refrigerator
ALUM	aluminum	FIN. FLR	top of floor sheathing	REINF	reinforcing
ANOD	anodized	FIN	finish	REQD	required
APPROX	approximate	FIXT	fixture	RES	resilient
ARCH	architect	F.O.	face of	RM	room
AUTO	automatic	FLR/FL	floor	RO	rough opening
BBD	bulletin board	FLUOR	fluorescent	RV	roof vent
BD	board	FND	feminine napkin dispenser/disposal	R&S	rod and shelf
BITUM	bituminous	FOC	face of concrete	S	south
BL	building line	FOF	face of finish	SACT	suspended acoustical ceiling tile
BLDG	building	FOS	face of stud	SC	solid core
BLK	block	FOW	face of wall	SCD	seat cover dispenser
BLKG	blocking	FT	foot or feet	SCHED	schedule
BM	beam/bench mark	FTG	footing	SD	soap dispenser
BO	by owner	GA	gauge	SECT	section
B.O.	bottom of	GB	grab bar	SF	square feet
BOT	bottom	GALV	galvanized	SGL	single
BRG	bearing	G.C.	general contractor	SHT	sheet
BSBD	baseboard	GEN	general	SHTG	sheathing
BTWN	between	GFRG	glass fiber reinforced gypsum	SHWR	shower
B.O.W.	bottom of wall	GI	galvanized iron	SIM.	similar
BU	built up	GL	glass	S.I.P.	structural insulated panel
CAB	cabinet	GLU LAM	or G.L.B. glue laminated beam	SLNT	sealant
CAP	capacity	GRD	grade/grid	SOG	slab on grade
CB	catch basin	GWB	gypsum wall board	SPEC	specifications
CL	centerline	GYP	gypsum	S.S.	stainless steel
C.C.	center to center	HB	hose bib	SS	service sink
CDX	exterior grade plywood	HC	hollow core/handicapped	SSM	solid surface material
CG	corner guard	HD BD	Hard board	STD	standard
CH	channel	HDR	header	STF	storefront
CI	cast iron/cubic inches	HOR	horizontal	STL	steel
CJ	contrct joint	HR	hour	STOR	storage
CLG	ceiling	HT	height	STRUCT	structural
C.L.L.	contract limit line	HTG	heating	SUBFLR	subfloor
CL	center line	HVAC	heating, ventilation, air conditioning	SUSP	suspended
CLR	clear	HW	hot water	SV	sheet vinyl
CMU	concrete masonry unit	IN	inch	SY	square yard
CO	clean out	INCL	included	T	tread/thermostat
COL	column	INFO	information	TB	towel bar
CONC	concrete	INSUL	insulation	TEL	telephone
COND	condition	INT	interior	TEMP	temperature
CONF	conference	IWA/IW	interior wall assembly	T&G	tongue and groove
CONN	connection	JAN	janitor	THK	thick
CONST	construction	JST	joist	THRU	through
CTRD	centered	JT	joint	TJI	Truss Joist Incorporated
CONT	continuous	LAV	lavatory	T.O.	top of
CONTR	contractor	LF	lineal foot	T.O.B.	top of beam
CORR	corridor	LTG	lighting	T.O.C.	top of concrete
CPT	carpet	M	men's	T.O.P.	top of plate
CT	ceramic tile	MAT	material	T.O. FTG	top of footing
CUH	cabinet unit heater	MAX	maximum	T.O.S.	top of steel
CW	curtain wall system	MECH	mechanical	T.O.SL.	top of slab
CY	cubic yard	MDF	medium density fiber board	T.O.W.	top of wall
DBL	double	MEMB	membrane	TPD	toilet paper dispenser
DEPT	department	MEZZ	mezzanine	TR	tread
DF	drinking fountain	MFR	manufacturer	TS	tubular steel
DIA	diameter	MH	manhole	TV	television
DIAG	diagonal	MIN	minimum	TYP	typical
DIM	dimension	MIR	mirror	UG	underground
DISP	dispenser	MISC	miscellaneous	UNO	unless noted otherwise
DN	down	MO	masonry opening	UR	urinal
DR	door	MTL	metal	VAC	vacuum outlet
DWR	drawer	MULL	mullion	VAR	varies
DS	downspout	N	north	VB	vapor barrier
DTL	detail	NA	not applicable	VCT	vinyl composition tile
DWG	drawing	NIC	not in contract	VERT	vertical
E	east	NO	number	VEST	vestibule
EA	each	NTS	not to scale	VFY	verify
EIFS	exterior insulation finish system	OFCI	owner furnished/contractor installed	VT	vinyl tile
E.J.	expansion joint	OC	on center	VWC	vinyl wall covering
EL/ELEV	elevation - height/elevator	OD	outside diameter	W	west/women/width
ELEC	electrical	OH	overhead/opposite hand	W/	with
ENCL	enclosure	OPNG	opening	W/O	without
EO	electrical outlet	OPP	opposite	WC	water closet
EP	electrical panel	PART.BD	particle board	WD	wood
EQ	equal	PART'N	partition	W/D	washer/dryer
EQUIP	equipment	PC	precast concrete	WH	water heater
EWA/EW	exterior wall assembly	PFM	prefinished metal	WNDW	window
EWC	electrical water cooler	PL	plate	WP	waterproof
EWH	electrical water heater	P.LAM	plastic laminate	WR	water resistant
(E)/EXIST	existing	PLWD	plywood	WRB	weather resistive barrier
EXH	exhaust	PNL	panel	WT	weight
EXP	expansion	PR	pair	WWF	welded wire fabric
EXT	exterior	PSL	parallel strand lumber	WWM	welded wire mesh
		PT	point	X	by
		PTD	paper towel dispenser	YD	yard

REFERENCE SYMBOLS:



GENERAL NOTES:

1. GENERAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS & CONDITIONS. EXISTING DIMENSIONS SHOWN ARE APPROXIMATE AND MUST BE FIELD VERIFIED.
2. REFER TO SPECIFICATIONS FOR DETAILED DESCRIPTIONS & REQUIREMENTS OF CONSTRUCTION.
3. GENERAL CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES, PROVIDE ON-SITE SUPERVISION & BE RESPONSIBLE FOR COMPLIANCE WITH ALL SAFETY PRECAUTIONS, CODES AND REGULATIONS.
4. PROTECT EXISTING UTILITIES, SITE IMPROVEMENTS & PLANTING TO REMAIN.
5. PATCH ANY SURFACES DAMAGED DURING CONSTRUCTION. SURFACES ARE TO BE PATCHED FLUSH WITH EXISTING. MATCH EXISTING ADJACENT FINISH OR APPLY NEW FINISH AS SCHEDULED.
6. PROVIDE SOLID BACKING FOR ALL WALL-MOUNTED ITEMS.
7. IN GENERAL, REPETITIVE DETAILS DRAWN ARE SHOWN IN FULL ONLY ONCE. REPETITIONS MAY NOT BE COMPLETE IN EVERY DETAIL AS SHOWN IN THE ORIGINAL DETAIL.
8. DIMENSIONS ARE SHOWN ON THE DRAWINGS. DO NOT SCALE THE DRAWINGS.
9. ALL HEIGHTS ARE DIMENSIONED FROM THE TOP OF SUBFLOOR UNLESS NOTED OTHERWISE.
10. WHERE COLUMNS & STUD WALLS ALIGN, GYPSUM BOARD TO BE CONTINUOUS OVER COLUMNS OR BOXED AROUND COLUMN IF COLUMN PROJECTS BEYOND WALL.
11. BRING TO THE ATTENTION OF THE ARCHITECT ANY CONDITION OR AREA OF FINISH THAT IS IN QUESTION OR NOT NOTED.
12. SEAL ALL PENETRATIONS OF WALLS, FLOORS AND CEILINGS WITH A FIRE RATING EQUIVALENT TO THE CONSTRUCTION PENETRATED AND PER DETAILS & SPECIFICATIONS.
13. DUST BARRIERS MUST BE INSTALLED WHEREVER NEW WORK IS ADJACENT TO OCCUPIED AREAS. BARRIERS MUST BE SEALED TO INSURE NO DUST TRANSMISSION TO OCCUPIED SPACES.
14. COORDINATE LAYOUT, CLEARANCES, PENETRATIONS, BACKING & FASTENERS WITH WORK TO FOLLOW.
15. HEATING, PLUMBING AND ELECTRICAL PLANS WHERE SHOWN DIAGRAMMATICALLY ARE INTENDED TO INDICATE CAPACITY, SIZE, LOCATION & GENERAL ARRANGEMENTS. ALL NECESSARY FEATURES OF RELATED CONSTRUCTION WILL BE REQUIRED AS IF SHOWN IN DETAIL.
16. WHERE MECHANICAL & ELECTRICAL EQUIPMENT LOCATIONS CONFLICT ELECTRICAL, LIGHT FIXTURE LOCATIONS SHALL TAKE PRECEDENCE.
17. PROVIDE SUFFICIENT STUD DEPTH TO CONCEAL MECHANICAL & ELECTRICAL WORK IN WALLS.
18. PROVIDE ALL NEW MATERIALS (U.N.O.) AND QUALIFIED CRAFT PERSONS TO COMPLETE THE WORK.
19. CONSTRUCTION DOCUMENTS SHOW THE DESIGN INTENT OF THE PROJECT AND MAY NOT SHOW MINOR DETAILS OF PROPOSED INSTALLATIONS. THE INCLUSION OF THESE MINOR DETAILS IS IMPLIED TO PROVIDE A COMPLETE PROJECT AND ARE TO BE INCLUDED AS A PART OF A BID.
20. REFER TO MECHANICAL & ELECTRICAL DRAWINGS FOR COORDINATION OF WORK.
21. IN THE CASE OF CONTRADICTIONS BETWEEN DRAWINGS OR BETWEEN DRAWINGS & SPECIFICATIONS, ASSUME THE MORE COSTLY APPROACH FOR BIDDING PURPOSES. BRING ALL CONTRADICTIONS TO THE ATTENTION OF THE ARCHITECT.
22. CONTRACTOR SHALL PROMPTLY REMOVE ALL WASTE MATERIALS AND LEAVE PREMISES AND SITE CLEAN.
23. THE CONTRACTOR SHALL PROVIDE ALL CEILING AND/OR WALL ACCESS PANELS/DOORS AS REQUIRED BY THE AIR CONDITIONING, PLUMBING & ELECTRICAL SYSTEMS. PROVIDE APPROVED ASSEMBLIES W/ SELF-CLOSING DEVICES IN RATED CONSTRUCTION. (PAINT TO MATCH ADJACENT WALL COLOR)
24. ELECTRICAL OUTLETS AND LIGHTING ARE ONLY SHOWN ON ARCHITECTURAL "A" SHEETS WHERE PLACEMENT OF SUCH IS CRITICAL TO PARTICULAR AESTHETICS. SEE ELECTRICAL DRAWINGS FOR ALL ELECTRICAL AND DATA FEATURES.
25. FLOORS IN AREA OF WORK ARE NOT LEVEL, TOP OF DOOR AND TOP OF WALL BASE ARE TO BE LEVEL THROUGHOUT EACH ROOM. BASES TO BE SCRIBED TO MATCH EXISTING FLOORING PROJECT WIDE WHILE MAINTAINING CONSISTENT TOP LINES.

DRAWING SET NOTE: THESE DRAWINGS ARE TO BE UTILIZED AS A COMPLETE SET FOR BIDDING & CONSTRUCTION. INDIVIDUAL SECTIONS OF DRAWINGS SHOULD NOT BE SEPARATED FROM THE ENTIRE SET. IMPORTANT NOTES FOR ONE AREA OF WORK MAY BE INCLUDED IN OTHER AREAS IN THE DRAWINGS. ALL CONTRACTORS & SUPPLIERS MUST REVIEW ENTIRE DRAWING SET & SPECIFICATIONS.

GENERAL WALL NOTES

1. WALL TYPE CONSTRUCTION IS CONTINUOUS FROM SLAB TO ROOF FRAMING ABOVE UNLESS INDICATED OTHERWISE.
2. IF A WALL TYPE IS NOT INDICATED, PROVIDE WALL TYPE OF MOST SIMILAR CONDITION - VERIFY WITH ARCHITECT.
3. IN CASES OF CONFLICT BETWEEN SECTIONS AND WALL TYPES, CLARIFY WITH ARCHITECT PRIOR TO BIDDING WHEN TIME ALLOWS, OTHERWISE ASSUME THE MOST EXPENSIVE CONDITION FOR BIDDING PURPOSES.
4. STRUCTURAL NOTES, SPECIFICATIONS, STUD GAUGE NOTATIONS ETC. TAKE PRECEDENCE OVER ARCHITECTURAL WALL TYPES.
5. FOR LIGHT GAUGE (NON-STRUCTURAL) METAL FRAMING, PROVIDE MIN. 22 GAUGE STUDS UNLESS THE CONTRACTOR CAN PROVIDE MANUFACTURER'S DATA SUPPORTING LIGHTER GAUGE STUDS BASED ON HEIGHT AND FINISH MATERIALS.
6. ALL VOIDS IN EXTERIOR WALLS - INCLUDING IN NON-VISIBLE LOCATIONS - TO BE FILLED TIGHT WITH INSULATION. SMALL CRACKS & VOIDS TO BE CAULKED OR SPRAY-FOAMED FOR TIGHT SEAL.
7. ALL EXTERIOR WALLS TO RECEIVE VAPOR BARRIER UNDER INTERIOR FINISH. ALL SEAMS OF VAPOR BARRIER MUST BE TAPED/SEALED TIGHT AND ALL JOINTS MUST BE TAPED/ SEALED TIGHT WITH MATERIALS AND METHODS APPROVED BY VAPOR BARRIER MFR.
8. TYPE "X" GYPSUM WALL BOARD SPECIFIED THROUGHOUT. PROVIDE WATER-RESISTANT TYPE "X" GYPSUM BOARD ON ENTIRE WALL WHERE PLUMBING FIXTURES OCCUR. PROVIDE TILE BACKER BOARD TYPE "X" ON ALL WALLS WITH TILE.
9. WALLS INDICATED WITH ACOUSTICAL INSULATION TO MEET AN STC RATING OF 48 OR MORE, UNLESS OTHERWISE INDICATED.
10. PROVIDE SOUND ATTENUATION INSULATION ON TOP OF ACT WHERE WALLS TERMINATE AT CEILING OR 6" ABOVE CEILING. EXTEND 5 FEET TO BOTH SIDES OF WALL. HOLD INSULATION 7" AWAY FROM LIGHT FIXTURES.
11. PROVIDE BACKER ROD & CAULKING JOINT AT ABUTMENT OF ALL DISSIMILAR MATERIALS.
12. PROVIDE STEEL "J" EDGE METAL AND 1/4" CAULK JOINT AT PERIMETER OF ALL GYPSUM BOARD WALLS WHERE ABUTTING DIFFERENT MATERIALS.
13. PROVIDE CORNER BEADS AT ALL EXTERNAL GYPSUM BOARD CORNERS.
14. PENETRATIONS OF FIRE-RESISTIVE WALLS, HORIZONTAL ASSEMBLIES SHALL BE PROTECTED AS REQUIRED IN IBC SECTION 714.
15. PROVIDE FIRE, SMOKE AND CEILING RADIATION DAMPERS AT DUCT PENETRATIONS AND AIR TRANSFER OPENINGS IN FIRE RATED ASSEMBLIES PER IBC SECTION 717.

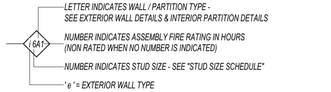
GENERAL CONDITIONS:

1. THE GENERAL CONDITIONS TO THE CONTRACT FOR THE CONSTRUCTION OF BUILDINGS: DOCUMENT A-201, ISSUED BY THE AMERICAN INSTITUTE OF ARCHITECTS HEREINAFTER REFERRED TO AS THE "GENERAL CONDITIONS" RELATES TO THE WORK OF THIS PROJECT AND IS HEREBY MADE A PART OF THE CONTRACT AS THOUGH FULLY CONTAINED IN THESE SPECIFICATIONS.
2. CONTRACT DOCUMENTS INCLUDE THE ARCHITECT'S DRAWINGS, SPECIFICATIONS, GENERAL CONDITIONS, AGREEMENT (BUILDING CONTRACT) AND ALL ADDENDA. THEY ARE TO INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY FOR THE PROPER EXECUTION OF THE WORK EXCEPT AS MAY BE SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS OR FOR WHICH SEPARATE PRICES MAY BE ASKED IN THE BID PROPOSAL.
3. REGULATIONS, TAXES AND PERMITS: THE WHOLE OF THE WORK IS TO BE EXECUTED IN STRICT ACCORDANCE WITH THE REGULATIONS AND CODES OF THE GOVERNMENTAL AGENCIES WHOSE JURISDICTION IS APPLICABLE.

WALL / PARTITION TAG LEGEND

FOR TYP. INTERIOR PARTITIONS, SEE DRAWING "INTERIOR PARTITION ASSEMBLIES"

WALL / PARTITION SYMBOL



STUD SIZE SCHEDULE:

INDICATOR-	STUD DEPTH (WOOD)-	STUD DEPTH (METAL)-
1	1.5"	
4	3.5"	IF METAL STUD IS TO BE USED, MATCH EXISTING WOOD STUD SIZING
6	5.5"	

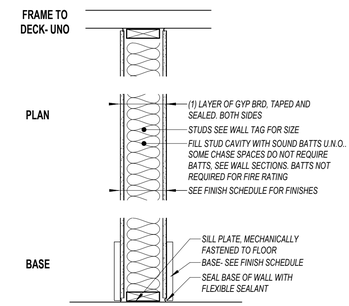
3

NOTES:

1. TYP INTERIOR PARTITIONS IS TYPE i1A, UNO
2. STUDS ARE AT 16"O.C., UNO
3. ALL INTERIOR PARTITIONS FRAME TO DECK, UNO

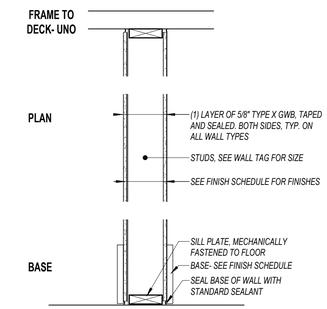
LINEWORK KEY:

USED TO INDICATE THE LOCATION OF A VAPOR RETARDER LAYER



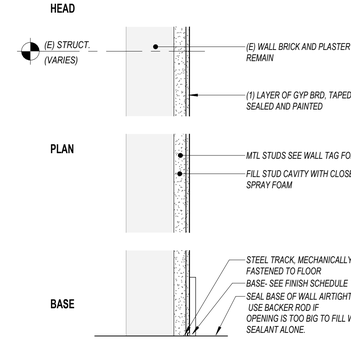
i.A1 **STANDARD INTERIOR SOUND WALL**

STC 40-45
1-HOUR FIRE RATED
GA FILE: UL U305
WALLS ARE ONLY REQUIRED TO BE FIRE-RATED IF DESIGNATED WITH A RATING (IN HOURS) AFTER THE WALL TAG (EXAMPLE: i6A1)

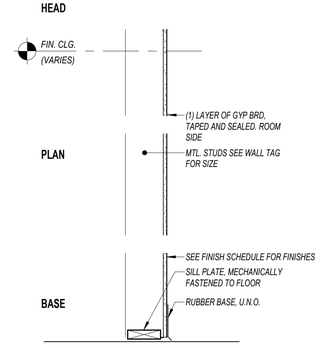


i.B **STANDARD INTERIOR (NO SOUND BATTS)**

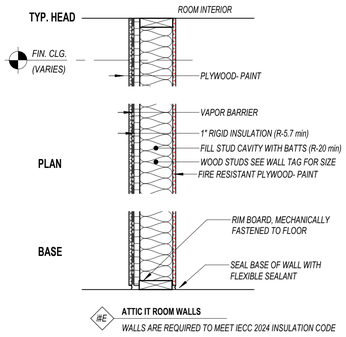
1-HOUR FIRE RATED
GA FILE: WP 1072 OR UL 419
WALLS ARE ONLY REQUIRED TO BE FIRE-RATED IF DESIGNATED WITH A RATING (IN HOURS) AFTER THE WALL TAG (EXAMPLE: i6B1)



#D **INTERIOR FURRED WALL**



#C **STANDARD INTERIOR SINGLE SIDE**



#E **ATTIC IT ROOM WALLS**

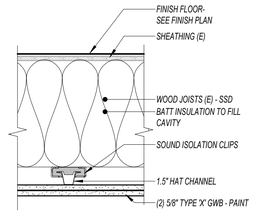
WALLS ARE REQUIRED TO MEET IECC 2024 INSULATION CODE

INTERIOR PARTITION ASSEMBLIES

WALL ASSEMBLY NOTES:

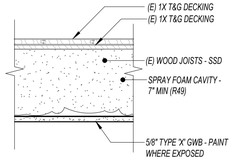
1. ACOUSTIC BATTS WILL NOT SHOW IN ALL BUILDING SECTIONS. REFER TO WALL ASSEMBLY TYPES AND SEE ACOUSTICAL & PARTITION HEIGHT PLANS FOR FULL EXPLANATION OF ACOUSTICAL REQUIREMENTS AND PARTITION HEIGHTS.
2. SEE CODE PLAN FOR RATED WALL REQUIREMENTS.
3. SEE STRUCTURAL FOR SHEAR WALL PANEL & FASTENING REQUIREMENTS.
4. SEAL ALL PENETRATIONS AND IN WALL ACCESSORIES IN STC RATED ASSEMBLIES, TYP. SEE DETAILS.
5. WALL ASSEMBLIES LISTED AS 1-HOUR RATED ONLY NEED TO BE CONSTRUCTED AS 1-HOUR WALLS WHERE INDICATED AS SUCH ON CODE PLANS. WALLS NOT INDICATED ON CODE PLANS TO BE RATED DO NOT REQUIRE FIRE RATED DETAILING EVEN WHEN USING A WALL ASSEMBLY LISTED AS RATED. OPENINGS AND JOINTS FOR ALL FIRE RATED WALLS TO BE SEALED WITH FIRE RATED/LISTED ASSEMBLIES.
6. WALL ASSEMBLIES DO NOT SHOW FINISHES. SEE FINISH SCHEDULES AND WALL ELEVATION VIEWS FOR COMPLETE DESCRIPTION AND EXTENT OF FINISHES.
7. SEE DETAIL SHEETS FOR ADDITIONAL INFORMATION.

FLOOR & CEILING ASSEMBLIES

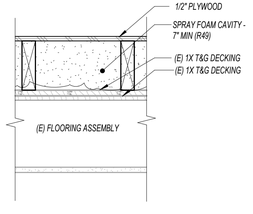


RA1 *LEVEL 3 CEILING ASSEMBLY - PRESENT ACROSS ENTIRE LEVEL- ADDITIONAL DROP CEILINGS SHOWN IN RCP*

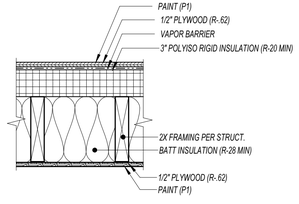
*SEAL ALL PENETRATIONS FOR SOUND ISOLATION



RA2 *LEVEL 4 CEILING ASSEMBLY- PRESENT ACROSS ENTIRE LEVEL ADDITIONAL DROP CEILINGS SHOWN IN RCP*



RA3 *ATTIC FLOOR ADDITION ASSEMBLY*



RA4 *ATTIC IT ROOM CEILING ASSEMBLY (R-49)*

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LICENSED ARCHITECT NICHOLAUS DIGIRO NO. 15977 STATE OF MONTANA

A/E# 2023-02-29

MSU 23-0925

MSU - HAMILTON HALL LIFE SAFETY SYSTEM IMPROVEMENTS

MSU, HAMILTON HALL, BUILDING ID 301
765 W GARFIELD ST, BOZEMAN, MT 59717

100% CONSTRUCTION DOCUMENTS

Revisions

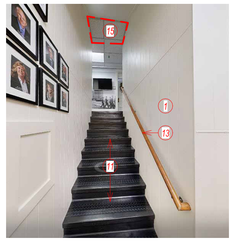
No.	Date	Description
3	11/17/2026	ADDENDUM 3

10.16.2026

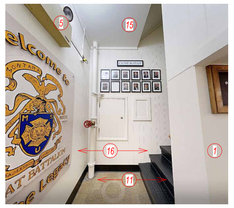
GENERAL INFORMATION & ASSEMBLY TYPES

A004

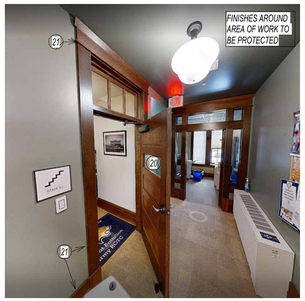
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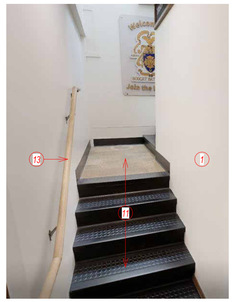
7 EAST - 2ND FLOOR STAIR - LANDING UP
1 1/2" = 1'-0"



3 SECOND FLOOR STAIR - LANDING
1 1/2" = 1'-0"

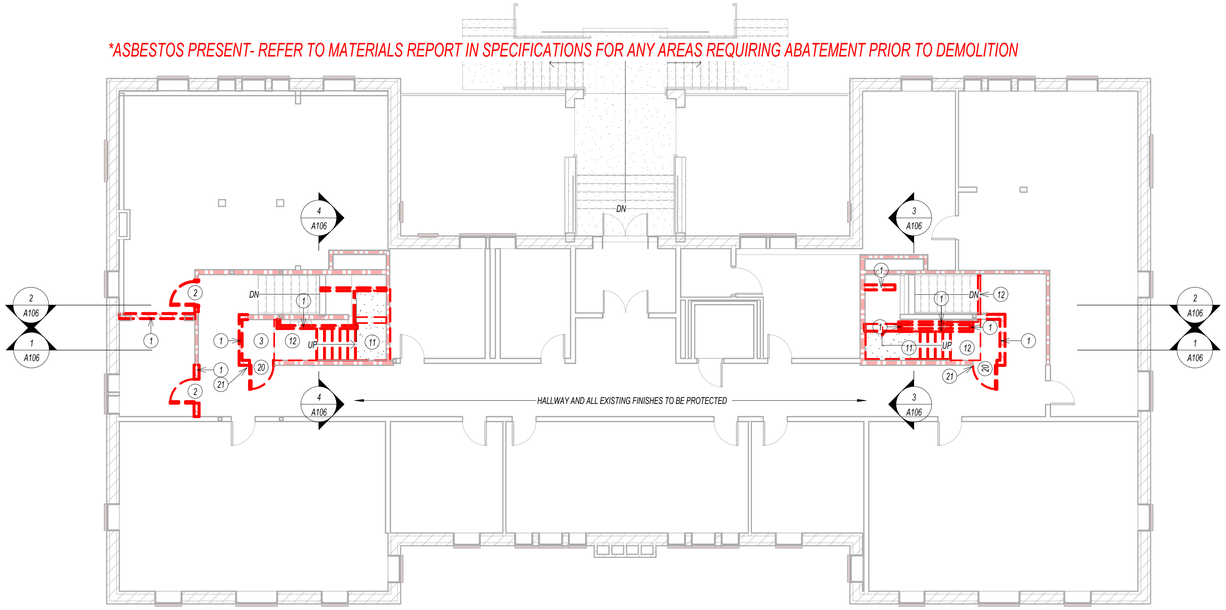


8 2ND FLOOR STAIR HALLWAY
1 1/2" = 1'-0"

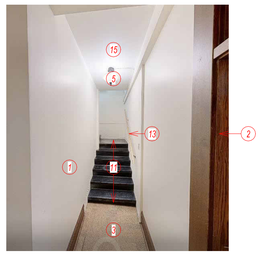


4 EAST - 2ND FLOOR STAIR - BASE
1 1/2" = 1'-0"

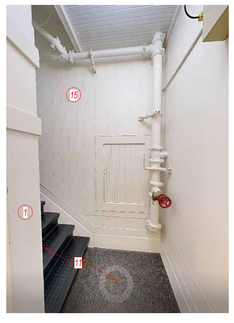
*ASBESTOS PRESENT- REFER TO MATERIALS REPORT IN SPECIFICATIONS FOR ANY AREAS REQUIRING ABATEMENT PRIOR TO DEMOLITION



2 LEVEL 2 FLOOR PLAN - DEMO
1/8" = 1'-0"

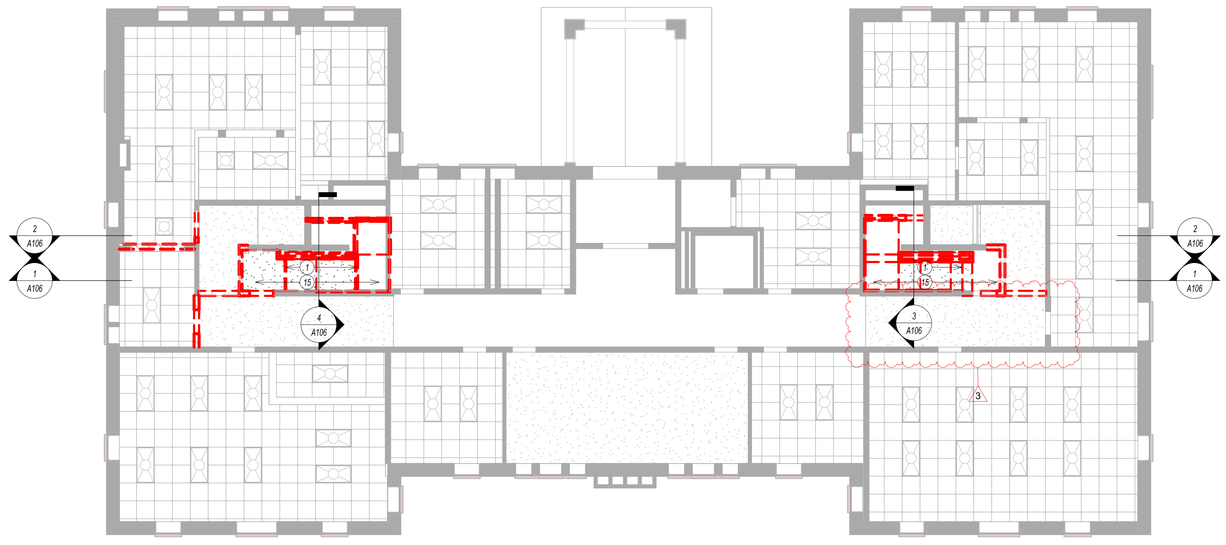


5 WEST - 2ND FLOOR STAIR - BASE
1 1/2" = 1'-0"



6 WEST - 2ND FLOOR STAIR - LANDING
1 1/2" = 1'-0"

*ASBESTOS PRESENT- REFER TO MATERIALS REPORT IN SPECIFICATIONS FOR ANY AREAS REQUIRING ABATEMENT PRIOR TO DEMOLITION



1 LEVEL 2 RCP - DEMO
1/8" = 1'-0"

LINEWORK LEGEND

- DEMOLISHED ELEMENTS
- EXISTING ELEMENTS TO REMAIN

GENERAL DEMOLITION NOTES

1. VERIFY ALL CONDITIONS AND COORDINATE WITH ALL DISCIPLINES OF CONTRACT. UNDOCUMENTED FIELD CHANGES MAY HAVE OCCURRED AND ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT WHEN DISCOVERED.
2. SEE CIVIL DRAWINGS FOR SITE DEMOLITION.
3. SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR DEMOLITION WORK OF THOSE TRADES.
4. **WHERE DEMOLITION IS INDICATED, WALLS SHALL BE REMOVED AND CEILING SHALL BE PATCHED, REPAIRED AND PAINTED TO MATCH EXISTING.**
5. CONTRACTOR SHALL MAINTAIN A TEMPORARY WEATHER TIGHT ENCLOSURE AS ITEMS ARE BEING REMOVED.
6. COORDINATE ALL MECHANICAL, ELECTRICAL, FIRE SYSTEMS, COMMUNICATIONS AND UTILITY SHUT-DOWNS WITH OWNER PRIOR TO REMOVING AND OR RELOCATING.
7. DEMOLITION IS NOT NECESSARILY LIMITED TO WHAT IS SHOWN ON DRAWINGS. THE INTENT IS TO INDICATE THE GENERAL SCOPE OF DEMOLITION REQUIRED TO COMPLETE THE WORK IN ACCORDANCE WITH THE CONTRACT DRAWINGS.
8. THESE DRAWINGS INDICATE STRUCTURAL AND NON-STRUCTURAL DEMOLITION THAT IS TO OCCUR TO MAKE WAY FOR NEW CONSTRUCTION. ADDITIONAL STRUCTURAL DEMOLITION WORK, CONSTRUCTION OR SHORING REQUIRING COORDINATION WITH NEW STRUCTURAL IS INDICATED ON THE STRUCTURAL DRAWINGS.
9. **EXISTING OPENINGS IN WHICH MECHANICAL AND PLUMBING ARE REMOVED IN A CONCRETE SLAB SHALL BE FILLED WITH AN EPOXY-BASED TWO-COMPONENT CEMENTITIOUS TROWEL-GRADE MORTAR. OPENINGS SHALL BE FORMED AND MATERIAL PLACED IN OPENINGS OF 12"X12" SQ/DIA OR LARGER,. CONTRACTOR SHALL PROVIDE #4 DOWELS AT 8" O.C. EACH WAY IN OPENINGS. CONTRACTOR SHALL EPOXY MORTAR/CHEM. AND ADHESIVE SET DOWELS INTO EXISTING CONCRETE WITH 4" MIN. EMBED.**
10. **SEE HAZARDOUS MATERIALS ABATEMENT DRAWINGS FOR ADDITIONAL INFORMATION AND COORDINATION.**
11. **All DECOR AND FURNITURE TO BE RETAINED AND REMOVED BY MSU PRIOR TO CONSTRUCTION**
12. **DEMOLISHED RADIATORS TO BE REMOVED BY MSU. ANY REMAINING RADIATORS ON LVL 3 AND 4 ARE TO BE RETURNED TO MSU.**

DEMOLITION KEYNOTES

NOTE: *SEE MECH/ELEC/STRUCT AND CIVIL DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.*

(1) REMOVE EXISTING INTERIOR WALL COMPLETELY, INCLUDING BRACING ABOVE CEILING WHERE OCCURS. REPAIR ALL ADJACENT SURFACES TO RECEIVE NEW FINISHES.

(2) REMOVE DOOR, FRAME AND HARDWARE. ALL HARDWARE IS TO BE REMOVED BY MSU PRIOR TO DEMO, ANY REMAINING DOOR HARDWARE TO BE RETURNED TO MSU.

(3) REMOVE EXISTING FLOORING AND PREPARE FOR INSTALLATION OF NEW FLOORING.

(4) REMOVE SUSPENDED CEILING SYSTEM, INCLUDING ALL ASSOCIATED SUPPORT CABLE & PERIMETER T-BAR. COORDINATE EXTENT OF DEMOLITION WITH REMODEL PLANS. REMOVE ALL ASSOCIATED LIGHT FIXTURES, DIFFUSERS AND RETURN GRILLES. LEAVE ANY SMOKE DETECTORS ACTIVATED & DANGLING AFTER CEILING REMOVAL FOR REINSTALLATION. ENSURE DUCTWORK TO REMAIN IS PROPERLY SUPPORTED.

(5) REMOVE LIGHT FIXTURE - SEE MEP.

(6) REMOVE PORTION OF WALL NECESSARY TO RECEIVE NEW DOOR/STOREFRONT/WINDOW AND FRAME. REROUTE ELECTRICAL AS REQUIRED.

(7) REMOVE & RELOCATE ELECTRICAL PANEL & CONDUIT PER ELECTRICAL.

(8) REMOVE EXISTING CASEWORK, COUNTERTOP & RELATED COMPENENTS.

(9) REMOVE EXISTING TOILET PARTITION AND RELATED COMPONENTS.

(10) REMOVE EXISTING PLUMBING FIXTURE & RELATED COMPONENTS.

(11) REMOVE EXISTING STAIRS & RELATED COMPONENTS.

(12) REMOVE SECTION OF FLOOR IN PREPARATION FOR NEW STAIRS

(13) REMOVE RAILING & COMPONENTS

(14) PLASTER & LATH CEILING TO BE REMOVED WHERE PRESENT

(15) REMOVE GYPSUM & ALL CEILING FINISHES. COORDINATE EXTENT OF DEMOLITION WITH REMODEL PLANS. REMOVE ALL ASSOCIATED LIGHT FIXTURES, DIFFUSERS AND RETURN GRILLES. LEAVE ANY SMOKE DETECTORS ACTIVATED & DANGLING AFTER CEILING REMOVAL FOR REINSTALLATION. ENSURE DUCTWORK TO REMAIN IS PROPERLY SUPPORTED.

(16) REMOVE WALL FINISH & PREPARE THE WALL FOR NEW FINISH.

(17) NOT IN USE

(18) REMOVE WINDOW TRIM - HEAD, JAMBS, AND SILLS PREP FOR INSTALL OF NEW.

(19) REMOVE THRESHOLD - PREP FOR ADDITIONAL SUBFLOOR LEVELING

(20) REMOVE EXISTING DOOR, FRAME AND HARDWARE - PREP FOR REINSTALL

(21) WALL TRIM TO BE REMOVED AS REQUIRED SAVE FOR REINSTALL CONDITION TO BE NEW AND APPROVED AND ACCEPTABLE BY ARCHITECT PRIOR TO REINSTALL. PROVIDE NEW TRIM TO MATCH IF REQUIRED.

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LICENSED ARCHITECT NICHOLAUS DIGGINS NO. 15977 STATE OF MONTANA

A/E# 2023-02-29
MSU 23-0925

MSU - HAMILTON HALL LIFE SAFETY SYSTEM IMPROVEMENTS

MSU, HAMILTON HALL BUILDING ID 301
765 W GARFIELD ST, BOZEMAN, MT 59717

100% CONSTRUCTION DOCUMENTS

Revisions

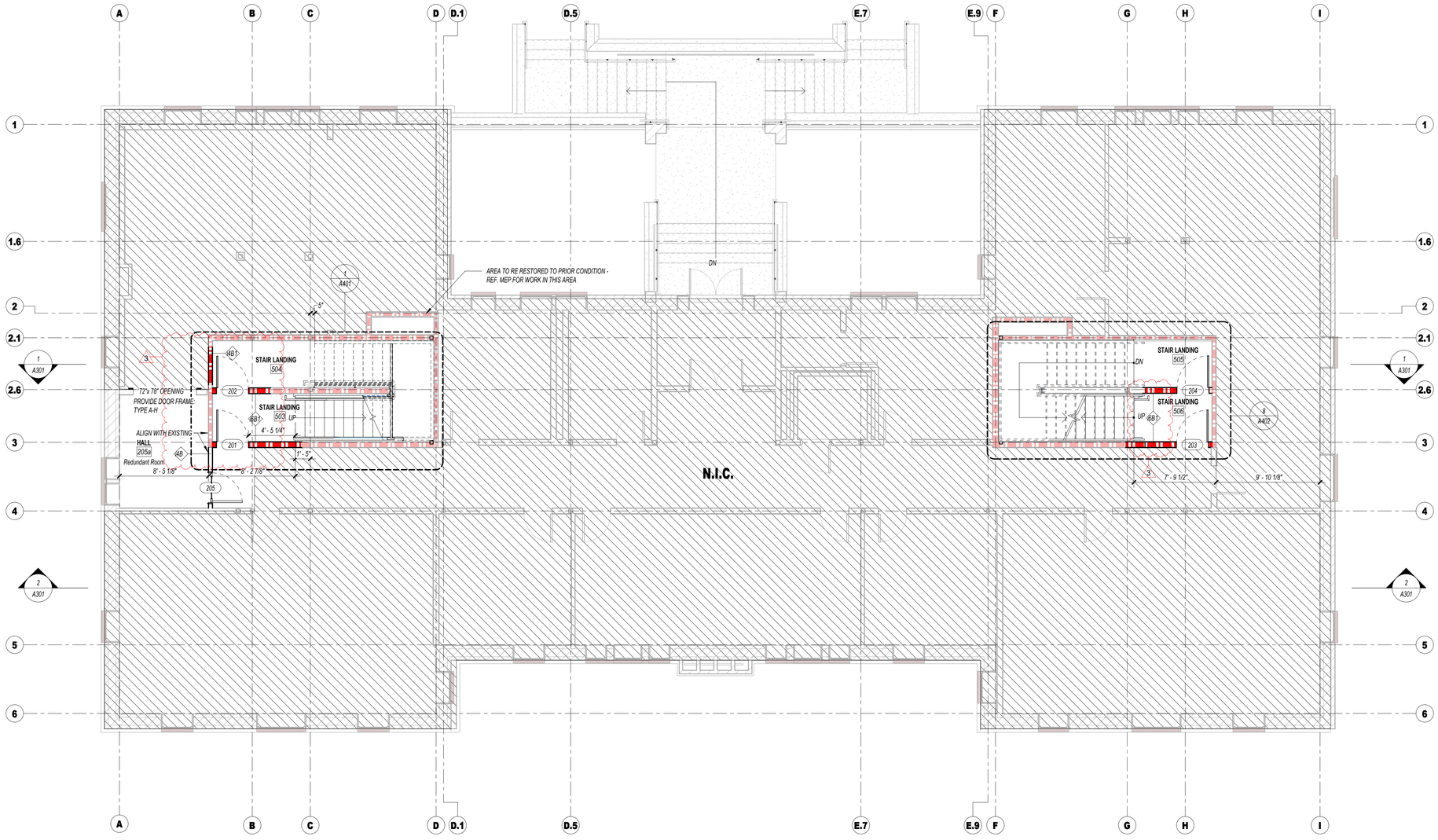
No.	Date	Description
3	11/17/2026	ADDENDUM 3

10.16.2026

LEVEL 2 DEMOLITION PLAN

A102

DATE STAMP: 11/17/2026 2:50:58 PM



1 LEVEL 2 FLOOR PLAN
3/16" = 1'-0"

DATE STAMP: 11/17/2026 2:56:13 PM

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765 W GARFIELD ST, BOZEMAN, MT 59717

100% CONSTRUCTION DOCUMENTS

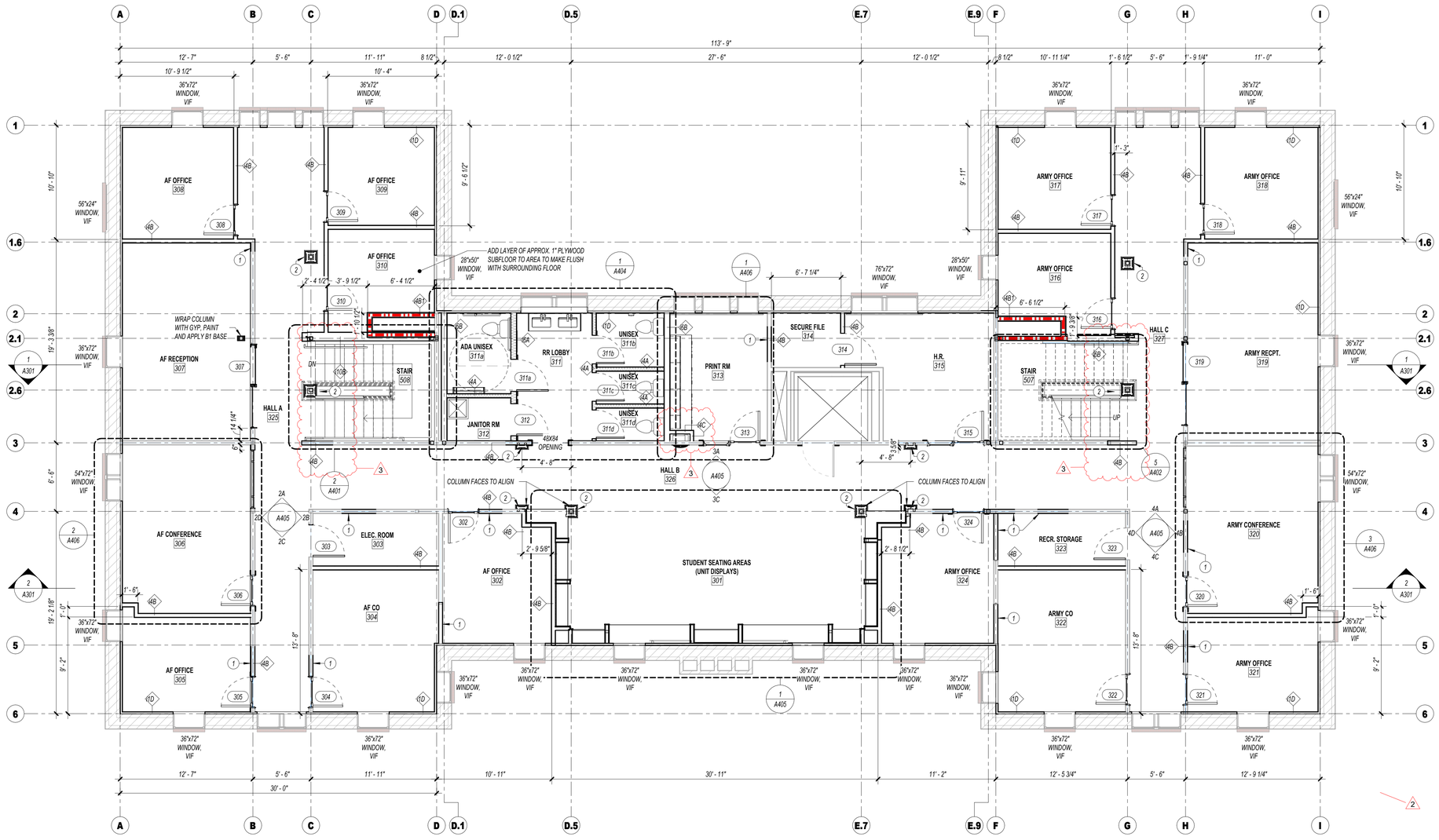
Revisions

No.	Date	Description
3	11/17/2026	ADDENDUM 3

10.16.2026

FLOOR PLAN - 2ND

A112



1 LEVEL 3 - CADRE LEVEL

3/16" = 1'-0"

LINEWORK LEGEND

NEW CONSTRUCTION

EXISTING ELEMENTS TO REMAIN

GENERAL FLOOR PLAN NOTES

1. DIMENSIONS ARE TO FACE OF STUD, EXISTING WALL FINISH, MASONRY, OR DOOR/WINDOW OPENINGS. DIMENSIONS OF EXISTING CONSTRUCTION ARE NOT SHOWN ON DRAWINGS - VERIFY DIMENSIONS OF ALL EXISTING CONSTRUCTION IN THE FIELD. DIMENSIONS TO OPENINGS ARE NOMINAL. VERIFY ALL OPENINGS WITH ROUGH OPENING REQUIREMENTS.
2. ALL DOOR OPENINGS PERPENDICULAR TO A WALL ARE 4" TO THE WALL FRAMING UNO.
3. EXISTING CONSTRUCTION TO REMAIN SHOWN SHADED, NEW CONSTRUCTION SHOWN SOLID.
4. SEE SHEET A-002 FOR WALL TYPES. IN AREAS WITH SUSPENDED ACOUSTICAL TILE CEILINGS, GYPSUM WALL BOARD MAY BE TERMINATED 6" ABOVE THE CEILING. IN AREAS WITH EXPOSED STRUCTURE CONTINUE GYPSUM BOARD TO UNDERSIDE OF STRUCTURE.
5. VERIFY EXISTING WALL CONSTRUCTION.
6. ALL EGRESS DOORS SHALL BE READILY OPERABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.

DRAWING KEYNOTES

1. NEW WALL TO ALIGN WITH EXISTING
2. ARCHITECTURAL COLUMN - **TYPE A** - SEE 5 / A708
3. ARCHITECTURAL COLUMN - **TYPE B** - SEE 5 / A708

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LICENSED ARCHITECT NICHOLAUS DIGGINS NO. 15977 STATE OF MONTANA

A/E# 2023-02-29

MSU 23-0925

MSU - HAMILTON HALL LIFE SAFETY SYSTEM IMPROVEMENTS

MSU, HAMILTON HALL BUILDING ID 301
765 W GARFIELD ST, BOZEMAN, MT 59717

100% CONSTRUCTION DOCUMENTS

Revisions

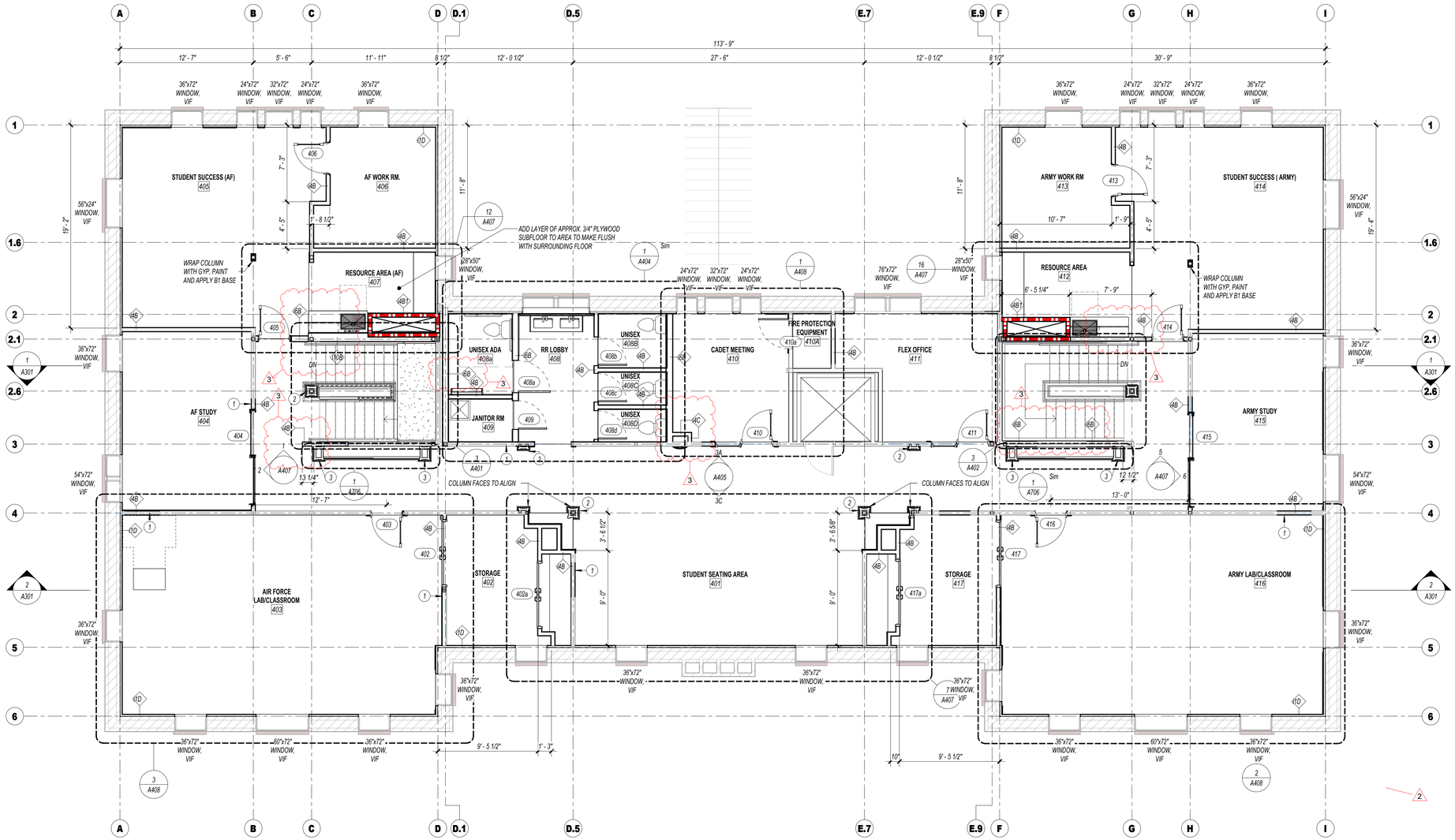
No.	Date	Description
2	11/12/2026	ADDENDUM 2
3	11/17/2026	ADDENDUM 3

10.16.2026

FLOOR PLAN - 3RD

A113

DATE STAMP: 11/17/2026 2:50:26 PM



1 LEVEL 4 - CADET FLOOR PLAN

3/16" = 1'-0"

LINEWORK LEGEND

NEW CONSTRUCTION

EXISTING ELEMENTS TO REMAIN

GENERAL FLOOR PLAN NOTES

1. DIMENSIONS ARE TO FACE OF STUD, EXISTING WALL FINISH, MASONRY, OR DOOR/WINDOW OPENINGS. DIMENSIONS OF EXISTING CONSTRUCTION ARE NOT SHOWN ON DRAWINGS - VERIFY DIMENSIONS OF ALL EXISTING CONSTRUCTION IN THE FIELD. DIMENSIONS TO OPENINGS ARE NOMINAL. VERIFY ALL OPENINGS WITH ROUGH OPENING REQUIREMENTS.
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DRAWING KEYNOTES

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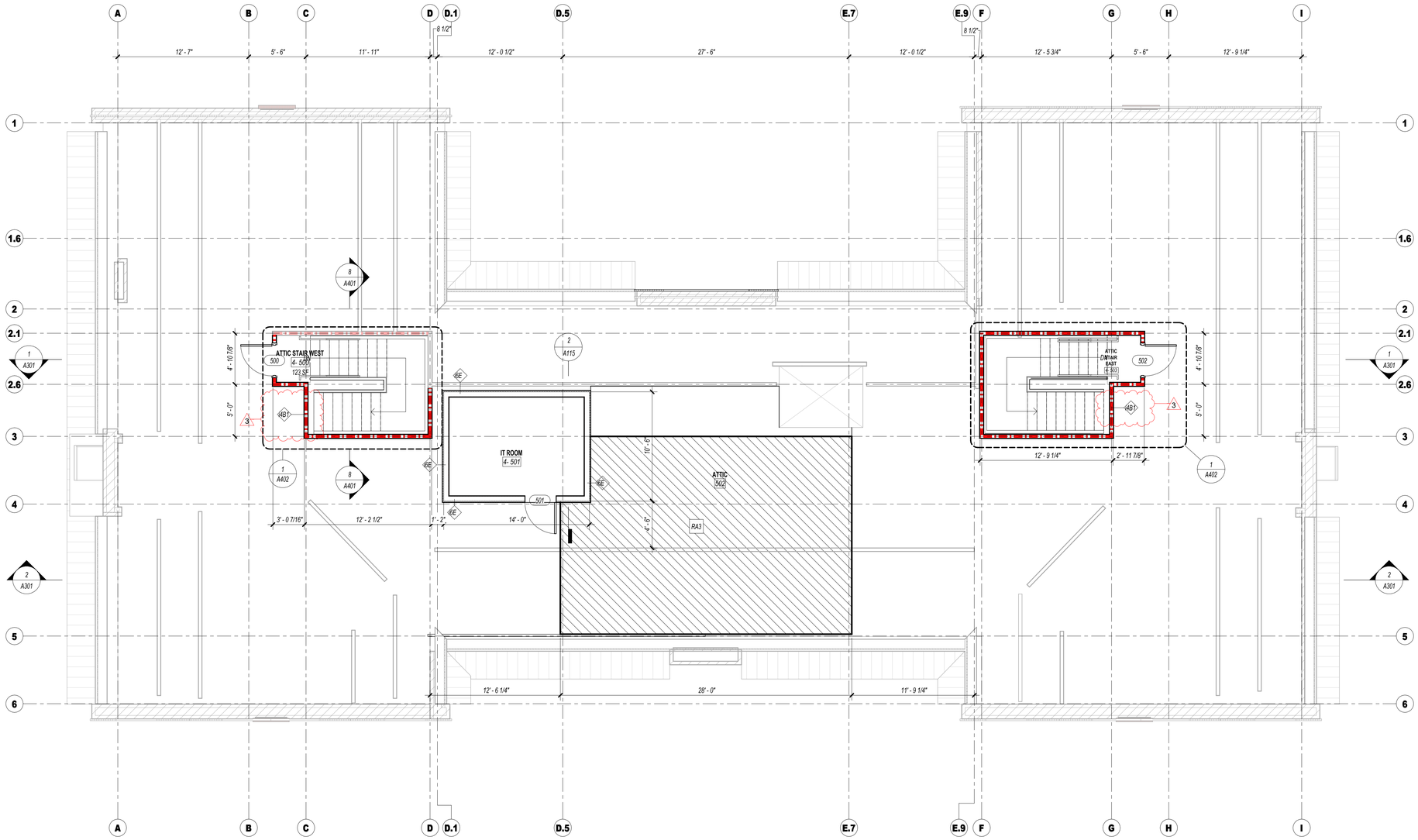
No.	Date	Description
2	11/12/2026	ADDENDUM 2
3	11/17/2026	ADDENDUM 3

10.16.2026

FLOOR PLAN - 4TH

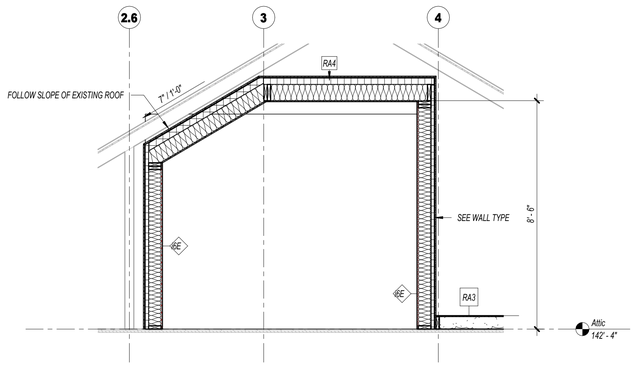
A114

DATE STAMP: 11/17/2026 2:50:38 PM



1 ATTIC FLOOR PLAN

3/16" = 1'-0"



2 IT ROOM SECTION

3/8" = 1'-0"

LINEWORK LEGEND

NEW CONSTRUCTION

EXISTING ELEMENTS TO REMAIN

GENERAL FLOOR PLAN NOTES

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Revisions

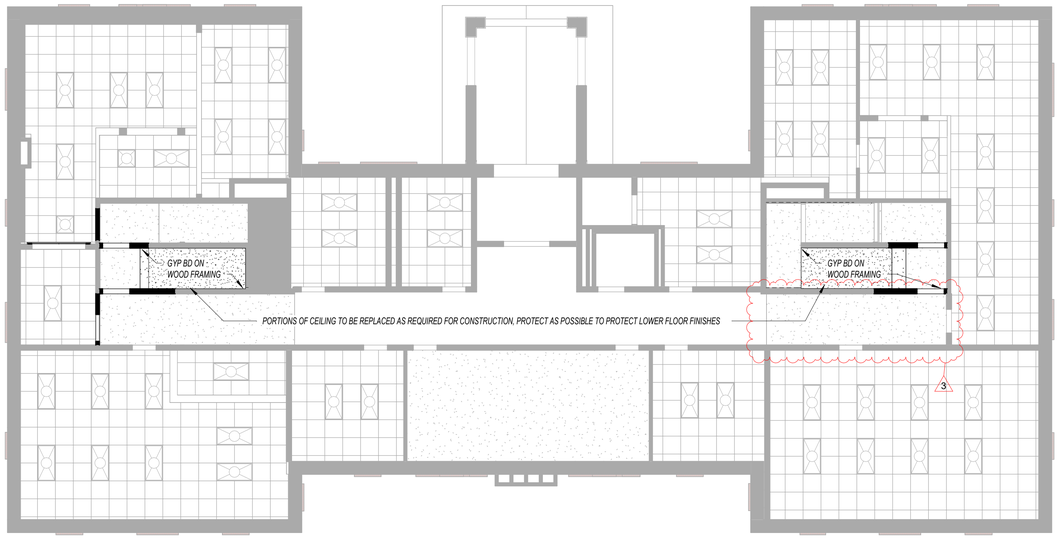
No.	Date	Description
3	11/17/2026	ADDENDUM 3

10.16.2026

FLOOR PLAN - ATTIC

A115

DATE STAMP: 11/17/2026 2:50:43 PM



1 LEVEL 2 RCP
1/8" = 1'-0"

GENERAL CEILING NOTES

1. GENERALLY CENTER CEILING GRIDS IN EACH ROOM AS SHOWN ON PLANS TO PROVIDE EQUALLY SIZED PANELS ON OPPOSITE WALLS. IF PLANS INDICATE A GRID ALIGNING WITH A COLUMN, WALL, SOFFIT, ETC., START GRID AT INDICATED SURFACE.
2. SEE FLOOR PLAN FOR WALL TYPES AND WALLS THAT EXTEND FULL HEIGHT TO STRUCTURE.
3. SEE TYPICAL DETAILS THIS SHEET.
4. CEILING FIXTURES ARE SHOWN FOR REFERENCE ONLY FOR COORDINATION WITH CEILING FINISH SYSTEM. SEE MECHANICAL, ELECTRICAL AND SPRINKLER DRAWINGS FOR ALL CEILING FIXTURES AND TYPES.
5. SPOT ELEVATIONS ARE FROM FINISH FLOOR TO SURFACE FINISH OF CEILING AND ARE ROUNDED TO THE NEAREST INCH.

CEILING LEGEND

ACT1	2'x4' ACT SYSTEM: ARMSTRONG 'CIRRUS' 533B W/ PRELUDE XL HEAVY DUTY 15/16" GRID. SEE SEISMIC INSTALLATION REQ'TS & DETAILS
GWB	5/8" TYPE 'X" GYPSUM WALLBOARD ON 2" SOUND CLIPS AND HAT CHANNELS ON EXISTING CEILING FRAMING - SEE DETAILS. PAINT P1 UNO
GWB1	5/8" TYPE 'X" GYPSUM WALLBOARD ON CEILING FRAMING - SEE DETAILS. PAINT P1 UNO
	OPEN TO STRUCTURE

CEILING LAYOUT NOTES: LAY-IN CEILINGS ARE SHOWN CONCEPTUALLY. IT IS THE INTENT THE CEILINGS AREA CENTERED WITHIN THE ROOM. IN ODD SHAPED ROOMS, PRIMARY VISUAL AREA TO BE CENTERED. CEILING INSTALLER SHOULD CONSULT WITH THE ARCHITECT IN THE FIELD FOR ANY AREAS IN WHICH THEY WOULD LIKE TO MODIFY THE LAYOUT FROM THAT SHOWN ON THE PLAN. MODIFICATIONS MAY BE ALLOWED, AT THE DISCRETION OF THE ARCHITECT, TO EASE INSTALLATION, SAVE CUTTING, OR INCREASE VISUAL APPEAL.

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NICHOLAUS DIGRAS
NO. 15977
STATE OF MONTANA

A/E# 2023-02-29
MSU 23-0925

MSU - HAMILTON HALL LIFE SAFETY SYSTEM IMPROVEMENTS

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Revisions

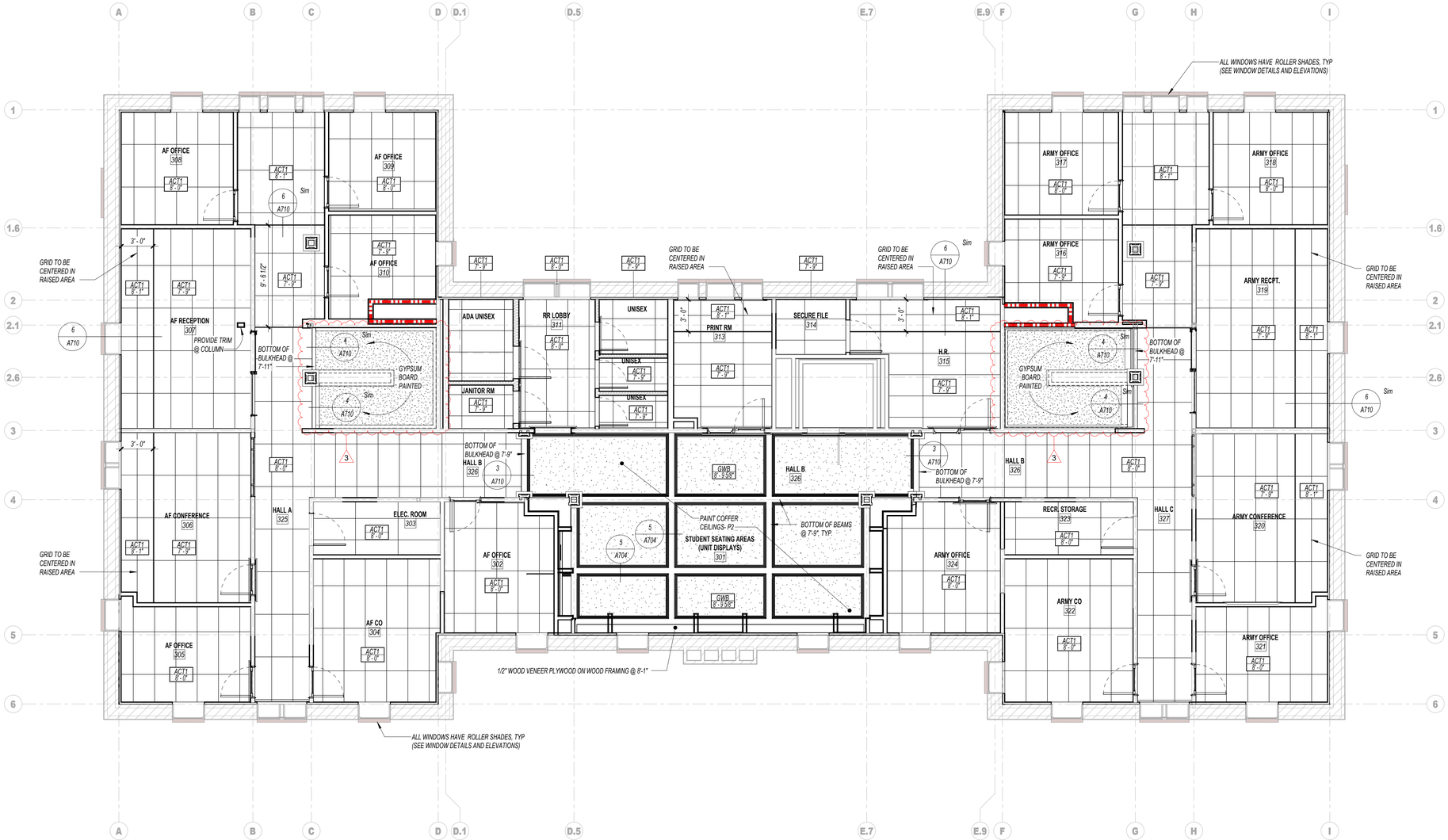
No.	Date	Description
3	11/17/2026	ADDENDUM 3

10.16.2026

RCP - 2ND

A116

DATE STAMP: 11/17/2026 2:50:45 PM



1 LEVEL 3 - CADRE RCP

3/16" = 1'-0"

SEE LIGHTING PLANS FOR ADDITIONAL LIGHTING INFORMATION

GENERAL CEILING NOTES

1. GENERALLY CENTER CEILING GRIDS IN EACH ROOM AS SHOWN ON PLANS TO PROVIDE EQUALLY SIZED PANELS ON OPPOSITE WALLS. IF PLANS INDICATE A GRID ALIGNING WITH A COLUMN, WALL, SOFFIT, ETC., START GRID AT INDICATED SURFACE.
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3. SEE TYPICAL DETAILS THIS SHEET.
4. CEILING FIXTURES ARE SHOWN FOR REFERENCE ONLY FOR COORDINATION WITH CEILING FINISH SYSTEM. SEE MECHANICAL, ELECTRICAL AND SPRINKLER DRAWINGS FOR ALL CEILING FIXTURES AND TYPES.
5. SPOT ELEVATIONS ARE FROM FINISH FLOOR TO SURFACE FINISH OF CEILING AND ARE ROUNDED TO THE NEAREST INCH.

CEILING LEGEND

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GWB	5/8" TYPE "X" GYPSUM WALLBOARD ON 2" SOUND CLIPS AND HAT CHANNELS ON EXISTING CEILING FRAMING - SEE DETAILS. PAINT P1 UNO
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MSU 23-0925

MSU - HAMILTON HALL LIFE SAFETY SYSTEM IMPROVEMENTS

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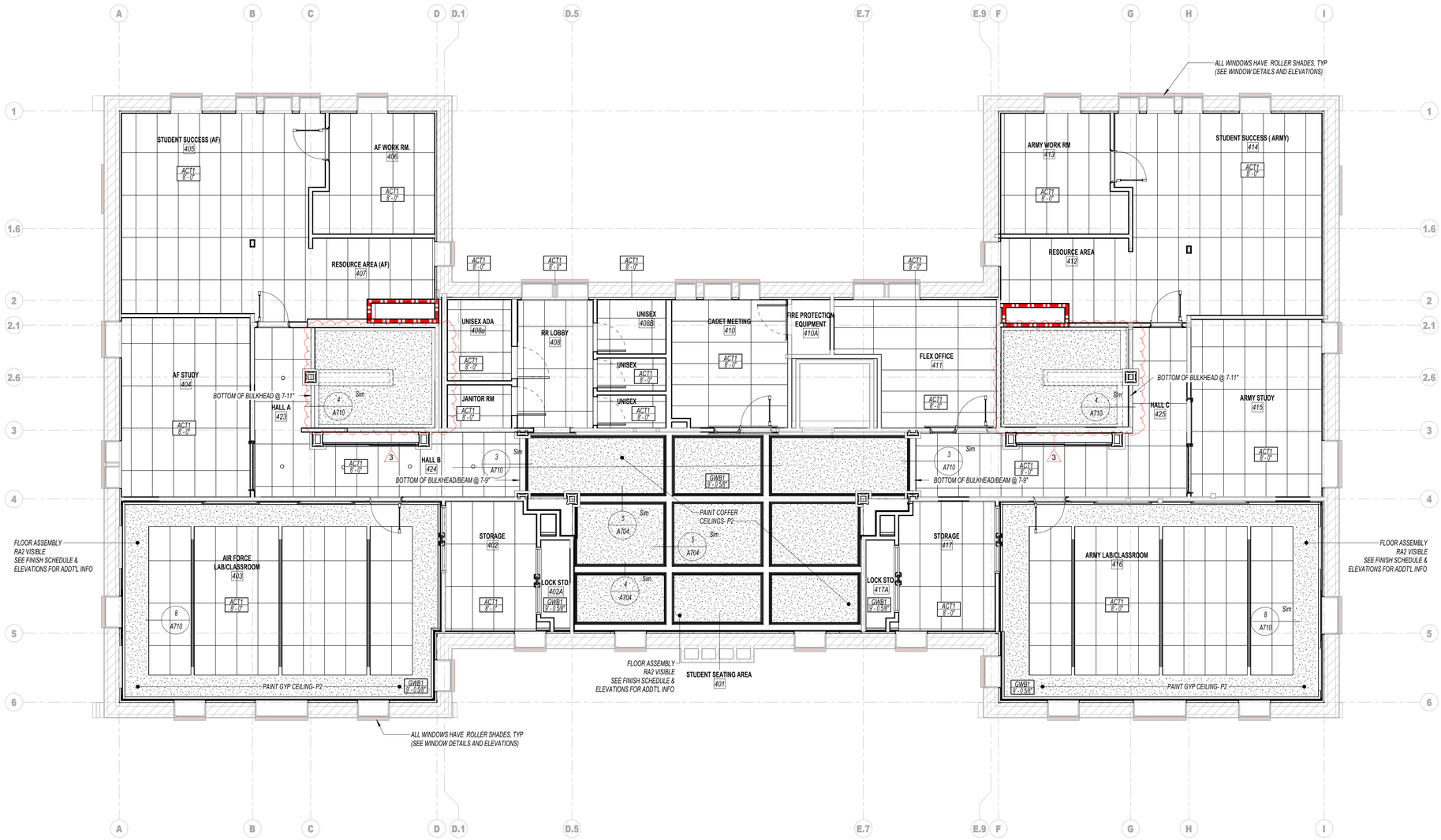
No.	Date	Description
3	11/17/2026	ADDENDUM 3

10.16.2026

RCP - 3RD

A117

DATE STAMP: 11/17/2026 2:50:3 PM



1 LEVEL 4 - CADET RCP

3/16" = 1'-0"

SEE LIGHTING PLANS FOR ADDITIONAL LIGHTING INFORMATION

GENERAL CEILING NOTES

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A/E# 2023-02-29
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MSU - HAMILTON HALL LIFE SAFETY SYSTEM IMPROVEMENTS

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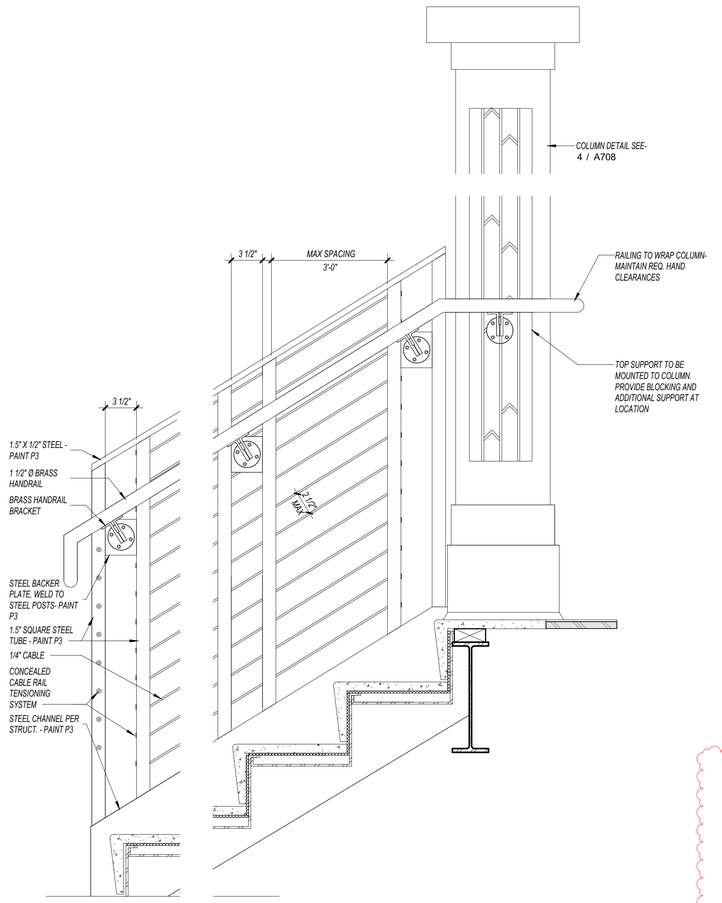
No.	Date	Description
3	11/17/2026	ADDENDUM 3

10.16.2026

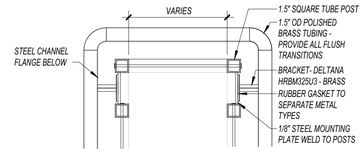
RCP - 4TH

A118

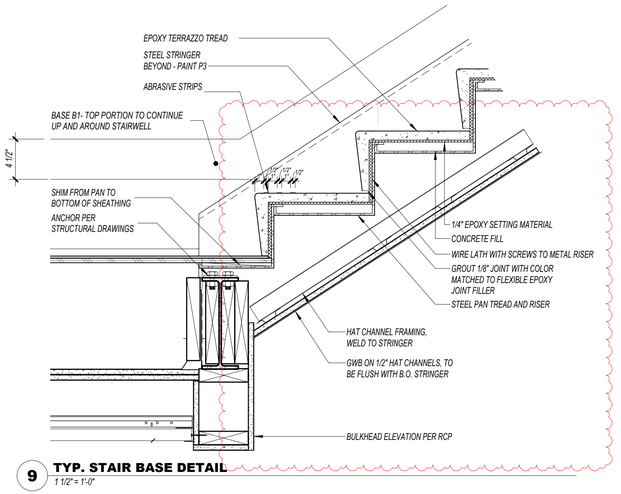
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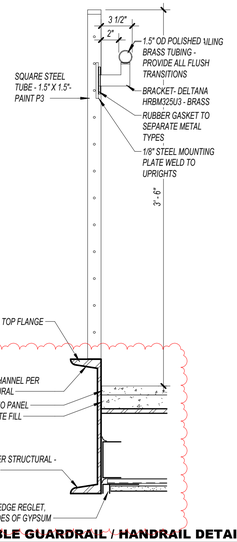
3 GUARDRAIL / HANDRAIL DETAIL
1 1/2" = 1'-0"



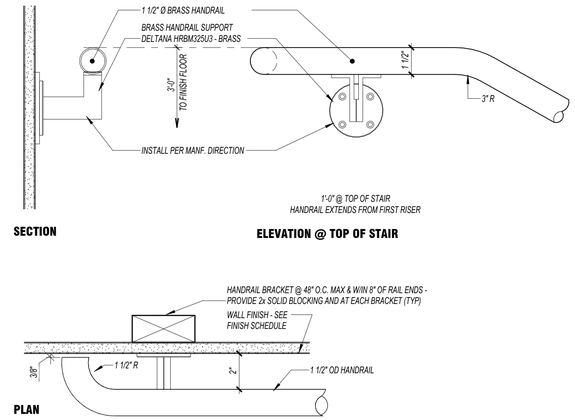
7 HANDRAIL CORNER @ LANDING DETAIL, TYP.
1 1/2" = 1'-0"



9 TYP. STAIR BASE DETAIL
1 1/2" = 1'-0"



10 CABLE GUARDRAIL / HANDRAIL DETAIL
1 1/2" = 1'-0"

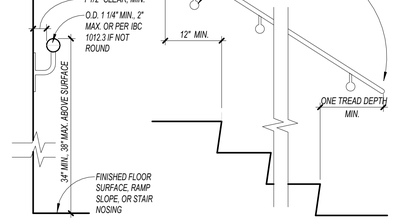


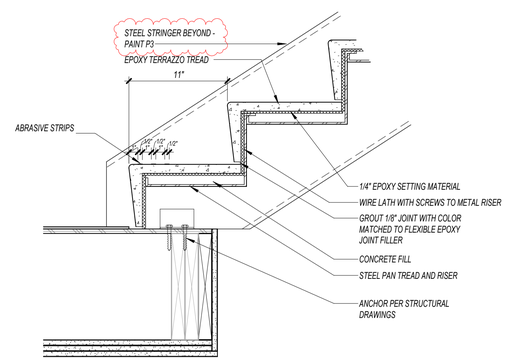
2 WALL HANDRAIL DETAILS
3" = 1'-0"

TYP. HANDRAIL NOTES

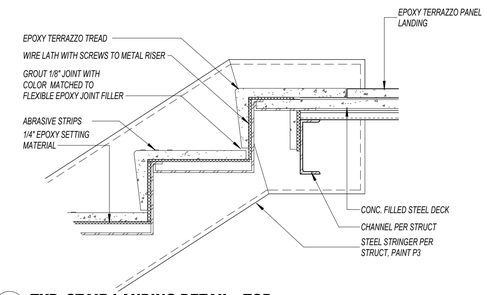
ALL HANDRAILS TO COMPLY WITH *2015 IBC SECTION 1015.*

1. *HANDRAILS TO BE MOUNTED 34" MIN. AND 38" MAX. ABOVE FINISH RAMP SURFACE OR STAIR NOSING.*
2. *HANDRAILS AT SHIP-LADDERS AND ALTERNATING TREAD DEVICES TO BE MOUNTED 30" MIN, AND 34" MAXIMUM ABOVE FINISHED NOSING.*
3. *HANDRAILS TO BE 1 1/4" MIN. TO 2" MAX. O.D. OR COMPLY WITH IBC 1012.3 FOR GRASPABILITY IF NOT ROUND IN PROFILE.*
4. *HANDRAILS TO BE CONTINUOUS ALONG SLOPE OR RUN OF STAIR BETWEEN LANDINGS.*
5. *EXTEND HANDRAILS 12" MIN. BEYOND THE NOSING OF THE TOP RISER, AND THE DEPTH OF ONE TREAD BEYOND THE BOTTOM RISER, ALONG THE SLOPE OF THE STAIR.*
6. *RAMP HANDRAILS TO EXTEND HORIZONTALLY 12" MIN. BEYOND TOP AND BOTTOM RAMP RUNS.*
7. *RETURN HANDRAILS TO WALLS AT TOP AND BOTTOM OF RUN.*
8. *MAINTAIN CLEAR SPACE OF 1 1/2" BETWEEN FINISH WALL SURFACE AND HANDRAIL.*

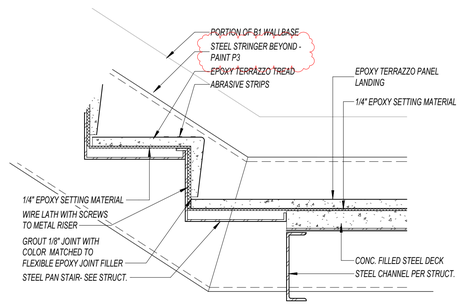




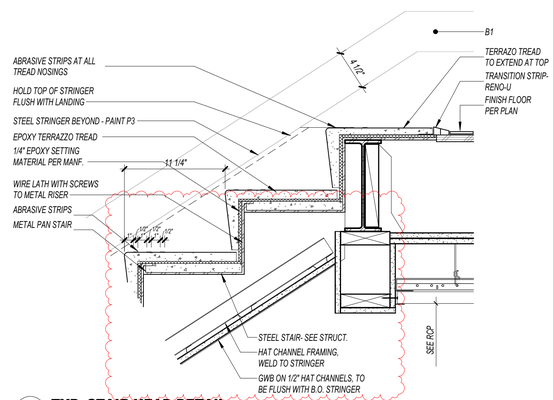
6 LEVEL 2- STAIR BASE DETAIL
1 1/2" = 1'-0"



5 TYP. STAIR LANDING DETAIL - TOP
1 1/2" = 1'-0"



8 TYP. STAIR LANDING DETAIL - BOTTOM
1 1/2" = 1'-0"



4 TYP. STAIR HEAD DETAIL
1 1/2" = 1'-0"

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A/E# 2023-02-29
MSU 23-0925

MSU - HAMILTON HALL LIFE SAFETY SYSTEM IMPROVEMENTS

MSU, HAMILTON HALL, BUILDING ID 301
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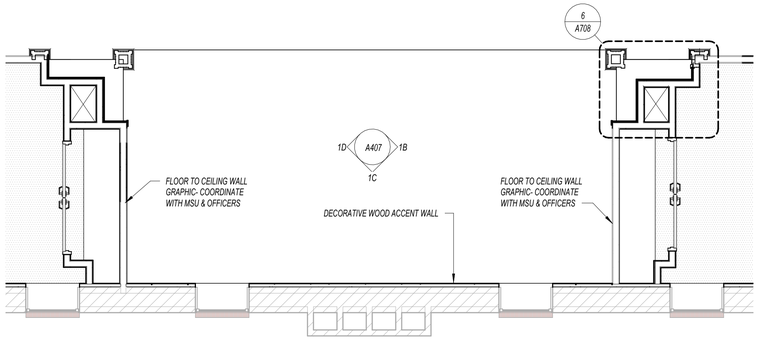
No.	Date	Description
3	11/17/2026	ADDENDUM 3

10.16.2026

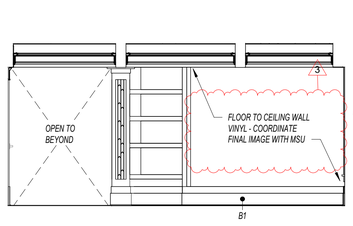
STAIR AND HANDRAIL DETAILS

A403

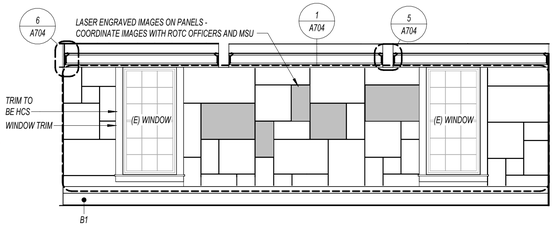
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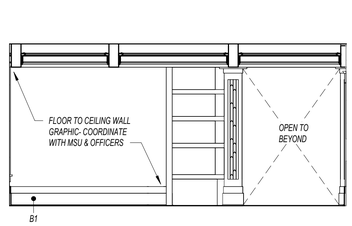
7 FINISH PLAN - LEVEL 4 - STUDENT STUDY
1/4" = 1'-0"



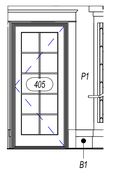
1B STUDENT STUDY - ELEV. B
1/4" = 1'-0"



1C STUDENT STUDY - ELEV. C
1/4" = 1'-0"



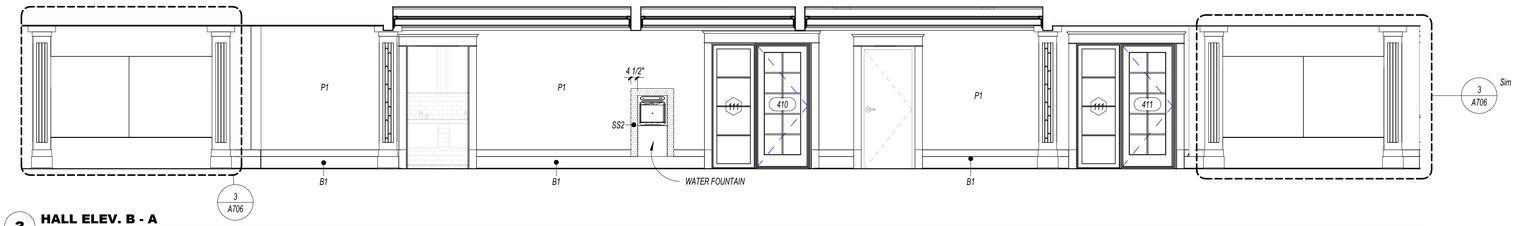
1D STUDENT STUDY - ELEV. D
1/4" = 1'-0"



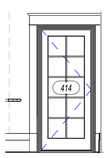
1 HALL ELEV. A - A
1/4" = 1'-0"



2 HALL ELEV. A - D
1/4" = 1'-0"



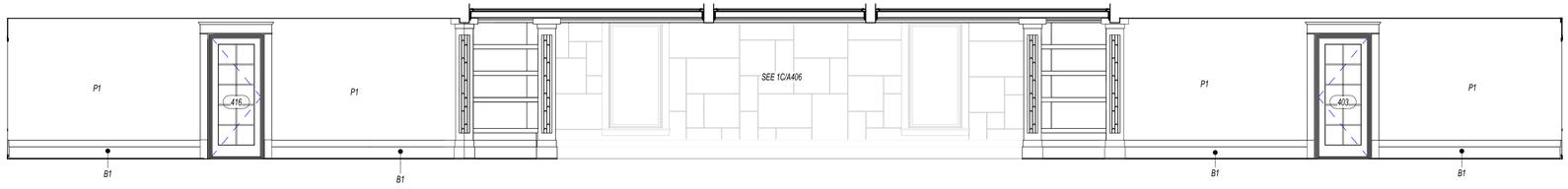
3 HALL ELEV. B - A
1/4" = 1'-0"



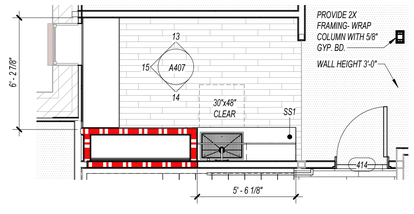
5 HALL ELEV. C - A
1/4" = 1'-0"



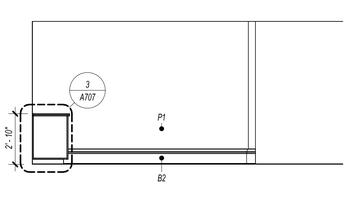
6 HALL ELEV. C - B
1/4" = 1'-0"



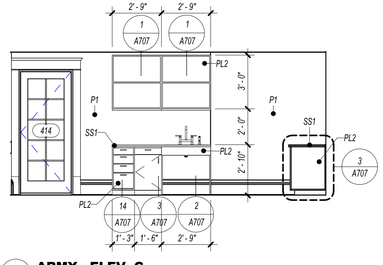
4 HALL ELEV. B - C
1/4" = 1'-0"



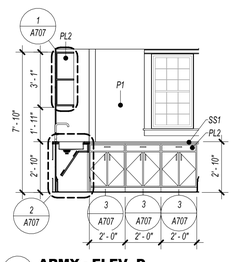
16 FINISH PLAN - LEVEL 4 - ARMY RESOURCE
1/4" = 1'-0"



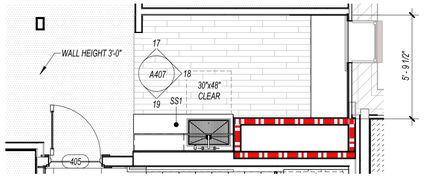
13 ARMY - ELEV. A
1/4" = 1'-0"



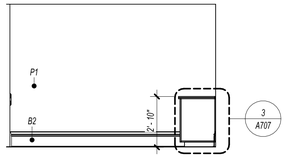
14 ARMY - ELEV. C
1/4" = 1'-0"



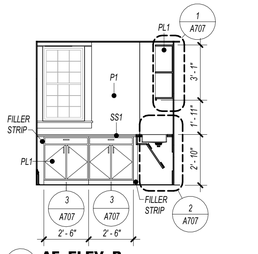
15 ARMY - ELEV. D
1/4" = 1'-0"



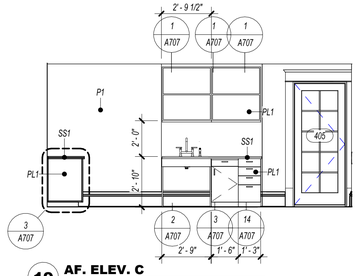
12 FINISH PLAN - LEVEL 4 - AF. RESOURCE
1/4" = 1'-0"



17 AF. ELEV. A
1/4" = 1'-0"



18 AF. ELEV. B
1/4" = 1'-0"



19 AF. ELEV. C
1/4" = 1'-0"

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LICENSED ARCHITECT NICHOLAUS DIGGINS NO. 15977 STATE OF MONTANA

A/E# 2023-02-29
MSU 23-0925

MSU - HAMILTON HALL LIFE SAFETY SYSTEM IMPROVEMENTS

MSU, HAMILTON HALL BUILDING ID 301
765 W GARFIELD ST, BOZEMAN, MT 59717

100% CONSTRUCTION DOCUMENTS

Revisions

No.	Date	Description
3	11/17/2026	ADDENDUM 3

10.16.2026

4TH FLOOR - ENLARGED PLANS & INTERIOR ELEVATIONS

A407

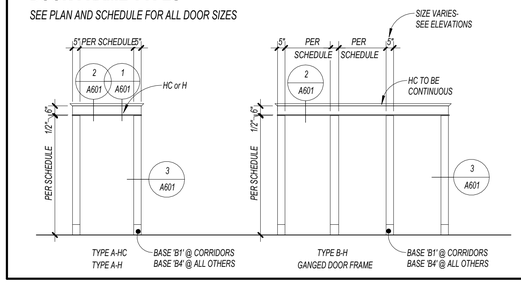
DATE STAMP: 11/17/2026 2:51:14 PM

DOOR SCHEDULE

MARK	ROOM NAME	DOOR TYPE	WIDTH	HEIGHT	DOOR MAT'L	DOOR THICKNESS	DOOR FINISH	FRAME TYPE	FRAME MAT'L	FRAME FINISH	DOOR HDWR GROUP	ACCESS CONTROLS	FIRE RAT'G	COMMENTS
201	STAIR LANDING	R-1	3' - 0"	7' - 0"	WD/GL	1 3/4"	STAIN	A-HC	HM	PAINT	ST-01		1 HOUR	
202	STAIR LANDING	R-1	3' - 0"	7' - 0"	WD/GL	1 3/4"	STAIN	A-HC	HM	PAINT	ST-01		1 HOUR	
203	STAIR LANDING	R-1	3' - 0"	7' - 0"	WD/GL	1 3/4"	STAIN	A-HC	HM	PAINT	ST-01		1 HOUR	
204	STAIR LANDING	R-1	3' - 0"	7' - 0"	WD/GL	1 3/4"	STAIN	A-HC	HM	PAINT	ST-01		1 HOUR	
205	OFFICE MEETING	B	3' - 0"	7' - 0"	WD/GL	1 3/4"	STAIN	A-HC	WD	STAIN	01			
302	HALL B	B	3' - 0"	7' - 0"	WD/GL	1 3/4"	STAIN	A-H	WD	STAIN	01			
303	ELEC. ROOM	A	3' - 0"	7' - 0"	WD	1 3/4"	STAIN	A-HC	WD	STAIN	04			
304	AF CO	B	3' - 0"	7' - 0"	WD/GL	1 3/4"	STAIN	A-HC	WD	STAIN	01			
305	AF OFFICE	B	3' - 0"	7' - 0"	WD/GL	1 3/4"	STAIN	A-HC	WD	STAIN	01			
306	AF CONFERENCE	B	3' - 0"	7' - 0"	WD/GL	1 3/4"	STAIN	A-H	WD	STAIN	01			
307	AF RECEPTION	C	8' - 0"	7' - 0"	WD/GL		STAIN	A-H	WD	STAIN	SL-01			
308	AF OFFICE	B	3' - 0"	7' - 0"	WD/GL	1 3/4"	STAIN	A-H	WD	STAIN	01			
309	AF OFFICE	B	3' - 0"	7' - 0"	WD/GL	1 3/4"	STAIN	A-H	WD	STAIN	01			
310	AF OFFICE	B	3' - 0"	7' - 0"	WD/GL	1 3/4"	STAIN	A-H	WD	STAIN	01			
311a	ADA UNISEX	A	3' - 0"	7' - 0"	WD	1 3/4"	STAIN	A-H	WD	STAIN	09			
311b	UNISEX	A	2' - 8"	7' - 0"	WD	1 3/4"	STAIN	B-H	WD	STAIN	10			
311c	UNISEX	A	2' - 8"	7' - 0"	WD	1 3/4"	STAIN	B-H	WD	STAIN	10			
311d	UNISEX	A	2' - 8"	7' - 0"	WD	1 3/4"	STAIN	B-H	WD	STAIN	10			
312	JANITOR RM	A	3' - 0"	7' - 0"	WD	1 3/4"	STAIN	A-H	WD	STAIN	05			
313	PRINT RM	B1	3' - 0"	7' - 0"	WD/GL	1 3/4"	STAIN	B-1	WD	STAIN	01			
314	SECURE FILE	A	3' - 0"	7' - 0"	WD	1 3/4"	STAIN	A-H	WD	STAIN	05			
315	H.R.	B1	3' - 0"	7' - 0"	WD/GL	1 3/4"	STAIN	B-1	WD	STAIN	01			
316	ARMY OFFICE	B	3' - 0"	7' - 0"	WD/GL	1 3/4"	STAIN	A-H	WD	STAIN	01			
317	ARMY OFFICE	B	3' - 0"	7' - 0"	WD/GL	1 3/4"	STAIN	A-H	WD	STAIN	01			
318	ARMY OFFICE	B	3' - 0"	7' - 0"	WD/GL	1 3/4"	STAIN	A-H	WD	STAIN	01			
319	ARMY RECPT.	C	8' - 0"	7' - 0"	WD/GL		STAIN	A-H	WD	STAIN	SL-01			
320	ARMY CONFERENCE	B	3' - 0"	7' - 0"	WD/GL	1 3/4"	STAIN	A-H	WD	STAIN	01			
321	ARMY OFFICE	B	3' - 0"	7' - 0"	WD/GL	1 3/4"	STAIN	A-H	WD	STAIN	01			
322	ARMY CO	B	3' - 0"	7' - 0"	WD/GL	1 3/4"	STAIN	A-H	WD	STAIN	01			
323	RECR. STORAGE	A	3' - 0"	7' - 0"	WD	1 3/4"	STAIN	A-H	WD	STAIN	05			
324	ARMY OFFICE	B	3' - 0"	7' - 0"	WD/GL	1 3/4"	STAIN	A-H	WD	STAIN	01			
402	STORAGE	D	6' - 0"	7' - 0"	HM	1 3/4"	PAINT	9,10 /A601	HM	PAINT	07			
402a	LOCK STO.	D	6' - 0"	7' - 0"	HM	1 3/4"	PAINT	9,10 /A601	HM	PAINT	07			
403	AIR FORCE LAB/CLASSROOM	B	3' - 0"	7' - 0"	WD/GL	1 3/4"	STAIN	A-HC	WD	STAIN	02			
404	AF STUDY	C	9' - 0"	7' - 0"	WD/GL		STAIN	A-H	WD	STAIN	SL-01			
405	STUDENT SUCCESS (AF)	B	3' - 0"	7' - 0"	WD/GL	1 3/4"	STAIN	A-H	WD	STAIN	01	YES		
406	AF WORK RM.	B	3' - 0"	7' - 0"	WD/GL	1 3/4"	STAIN	A-H	WD	STAIN	03			
408a	UNISEX ADA	A	3' - 0"	7' - 0"	WD	1 3/4"	STAIN	A-H	WD	STAIN	09			
408b	UNISEX	A	2' - 8"	7' - 0"	WD	1 3/4"	STAIN	B-H	WD	STAIN	10			
408c	UNISEX	A	2' - 8"	7' - 0"	WD	1 3/4"	STAIN	B-H	WD	STAIN	10			
408d	UNISEX	A	2' - 8"	7' - 0"	WD	1 3/4"	STAIN	B-H	WD	STAIN	10			
409	JANITOR RM	A	2' - 8"	7' - 0"	WD	1 3/4"	STAIN	A-H	WD	STAIN	06			
410	CADET MEETING	B1	3' - 0"	7' - 0"	WD/GL	1 3/4"	STAIN	B-1	WD	STAIN	01	YES		
410a	FIRE PROTECTION EQUIPMENT	A	2' - 10"	7' - 0"	WD	1 3/4"	STAIN	A-H	WD	STAIN	05			
411	FLEX OFFICE	B1	3' - 0"	7' - 0"	WD/GL	1 3/4"	STAIN	B-1	WD	STAIN	01	YES		
413	ARMY WORK RM	B	3' - 0"	7' - 0"	WD/GL	1 3/4"	STAIN	A-H	WD	STAIN	03			
414	STUDENT SUCCESS (ARMY)	B	3' - 0"	7' - 0"	WD/GL	1 3/4"	STAIN	A-H	WD	STAIN	01	YES		
415	ARMY STUDY	C	9' - 0"	7' - 0"	WD/GL		STAIN	A-H	WD	STAIN	SL-01			
416	ARMY LAB/CLASSROOM	B	3' - 0"	7' - 0"	WD/GL	1 3/4"	STAIN	A-HC	WD	STAIN	02			
417	STORAGE	D	6' - 0"	7' - 0"	HM	1 3/4"	PAINT	9,10 /A601	HM	PAINT	07			
417a	LOCK STO.	D	6' - 0"	7' - 0"	HM	1 3/4"	PAINT	9,10 /A601	HM	PAINT	07			
500	ATTIC STAIR WEST	R-1	3' - 0"	7' - 0"	WD/GL	1 3/4"	STAIN	9,10 /A601	HM	PAINT	08		1 HOUR	
501	IT ROOM	A	3' - 0"	6' - 8"	WD	1 3/4"	STAIN	A-H	WD	STAIN	01/08	YES		EXTERIOR RATED DOOR
502	ATTIC STAIR EAST	R-1	3' - 0"	7' - 0"	WD/GL	1 3/4"	STAIN	9,10 /A601	HM	PAINT	08		1 HOUR	

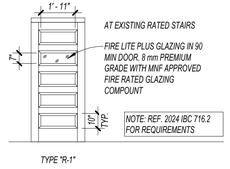
DOOR FRAME TYPES

SEE PLAN AND SCHEDULE FOR ALL DOOR SIZES



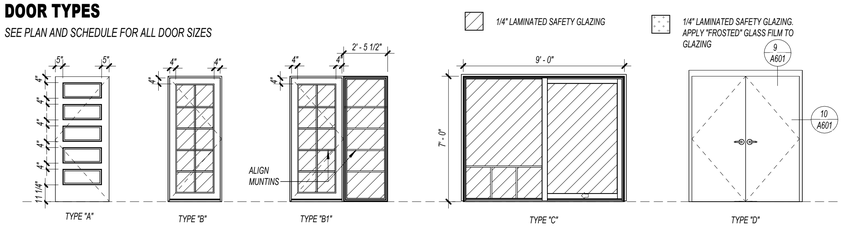
REPLACEMENT DOOR

SEE PLAN AND SCHEDULE FOR ALL DOOR SIZES



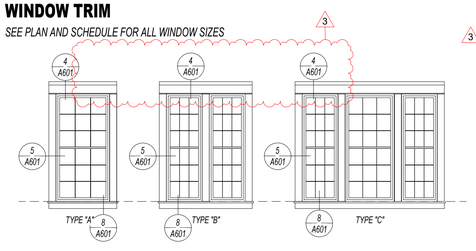
DOOR TYPES

SEE PLAN AND SCHEDULE FOR ALL DOOR SIZES

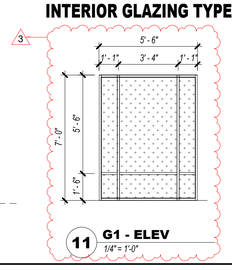


WINDOW TRIM

SEE PLAN AND SCHEDULE FOR ALL WINDOW SIZES

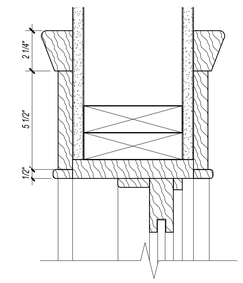


INTERIOR GLAZING TYPES



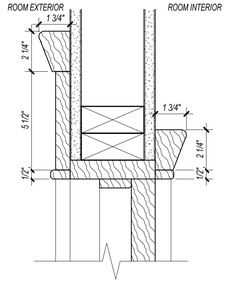
1/4" LAMINATED SAFETY GLAZING. APPLY "FROSTED" GLASS FILM TO GLAZING

11 G1 - ELEV 1/4" = 1'-0"



DETAIL OF HEAD CASING - HC
(REPLICATION OF HISTORIC PROFILE)

1 HC - TYP. DOOR HEAD 3" = 1'-0"

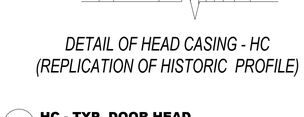


DETAIL OF HEAD CASING - H
(REPLICATION OF HISTORIC PROFILE)

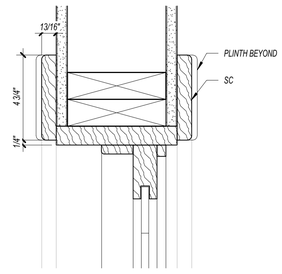
2 H 3" = 1'-0"

GENERAL DOOR NOTES

1. ALL DOOR LOCATIONS NOT SPECIFICALLY DIMENSIONED TO BE PLACED 4 INCHES FROM ADJACENT WALL SURFACE. IF THERE IS NO DIRECTLY ADJACENT SIDEWALL, CONTACT ARCHITECT FOR PROPER PLACEMENT.
2. ALL DOORS TO HAVE ADA COMPLIANT THRESHOLDS WITH 1/2" MAXIMUM RISE UNLESS SPECIFICALLY DETAILED OTHERWISE.
3. ALL METAL DOORS AND FRAMES TO BE PRIMED AND PAINTED. VERIFY COLOR WITH ARCHITECT.
4. ALL HARDWARE ON FIRE-RATED DOORS MUST BE APPROVED FOR SUCH USE AND INSTALLED AS REQUIRED TO MAINTAIN SYSTEM FIRE RATING.
5. ALL DOORS/FRAMES TO HAVE RESILIENT SILENCERS.
6. CONTRACTOR TO USE ARCHITECT'S DOOR TYPE PLAN DESIGNATION NUMBER IN ADDITION TO THE ROOM NUMBER ON ALL SHOP DRAWING SUBMITTALS
7. FIRE RATING FOR FRAMES MUST MATCH RATING FOR DOORS.
8. SEE WINDOW ELEVATIONS FOR FRAME TYPES FOR ALUMINUM FRAMES.
9. ALL EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.
10. *NOT USED*
11. DETAILS OF PROFILES DENOTED "REPLICATION OF HISTORIC PROFILE" ARE SHOWN FOR INFORMATION ONLY. CONTRACTOR TO FIELD MEASURE ACTUAL HISTORIC PROFILES OF TYPES SHOWN. FIELD DIMENSIONS TO DEVELOP NEW PROFILES IF NEEDED. ALL TRIM SHALL BE WHITE OAK, WOOD AND STAIN TO MATCH FIRST FLOOR.

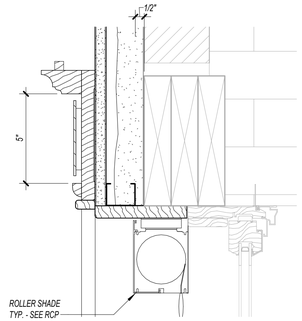


6 DOOR PROFILE DETAIL 3" = 1'-0"



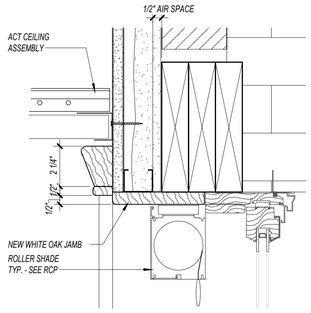
CASING - SC
(REPLICATION OF HISTORIC PROFILE)

3 SC - TYP. DOOR JAMB 3" = 1'-0"



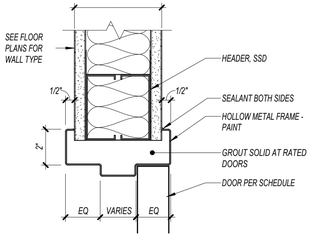
DETAIL OF HEAD CASING - HC2
(CROWN MOLDING/WINDOW COORD.

4 HC2 - TYP. WINDOW HEAD 3" = 1'-0"

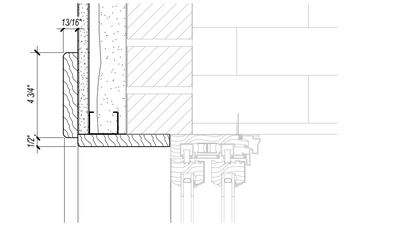


DETAIL OF HEAD CASING (SHORT) - HCS
(REPLICATION OF HISTORIC PROFILE)

7 HCS - SHORT WINDOW HEAD CASING 3" = 1'-0"

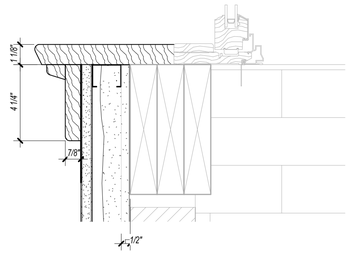


9 HM - TYP. DOOR HEAD 3" = 1'-0"



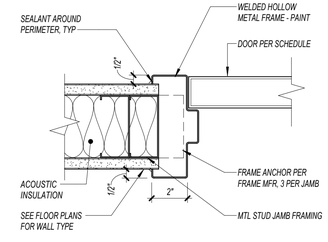
DETAIL OF JAMB CASING - SC
(REPLICATION OF HISTORIC PROFILE)

5 SC - TYP. WINDOW JAMB CASING 3" = 1'-0"



WINDOW STOOL AND APRON - SA
(REPLICATION OF HISTORIC PROFILE)

8 SA - STOOL AND APRON 3" = 1'-0"



10 HM - TYP. DOOR JAMB 3" = 1'-0"

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A/E# 2023-02-29
MSU 23-0925

MSU - HAMILTON HALL LIFE SAFETY SYSTEM IMPROVEMENTS

MSU, HAMILTON HALL BUILDING ID 301
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100% CONSTRUCTION DOCUMENTS

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3	11/17/2026	ADDENDUM 3

10.16.2026

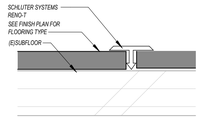
DOOR & WINDOW TYPES, DOOR SCHEDULE

A601

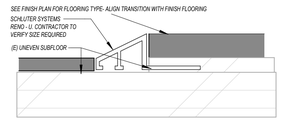
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ROOM FINISH SCHEDULE - LEVEL 3

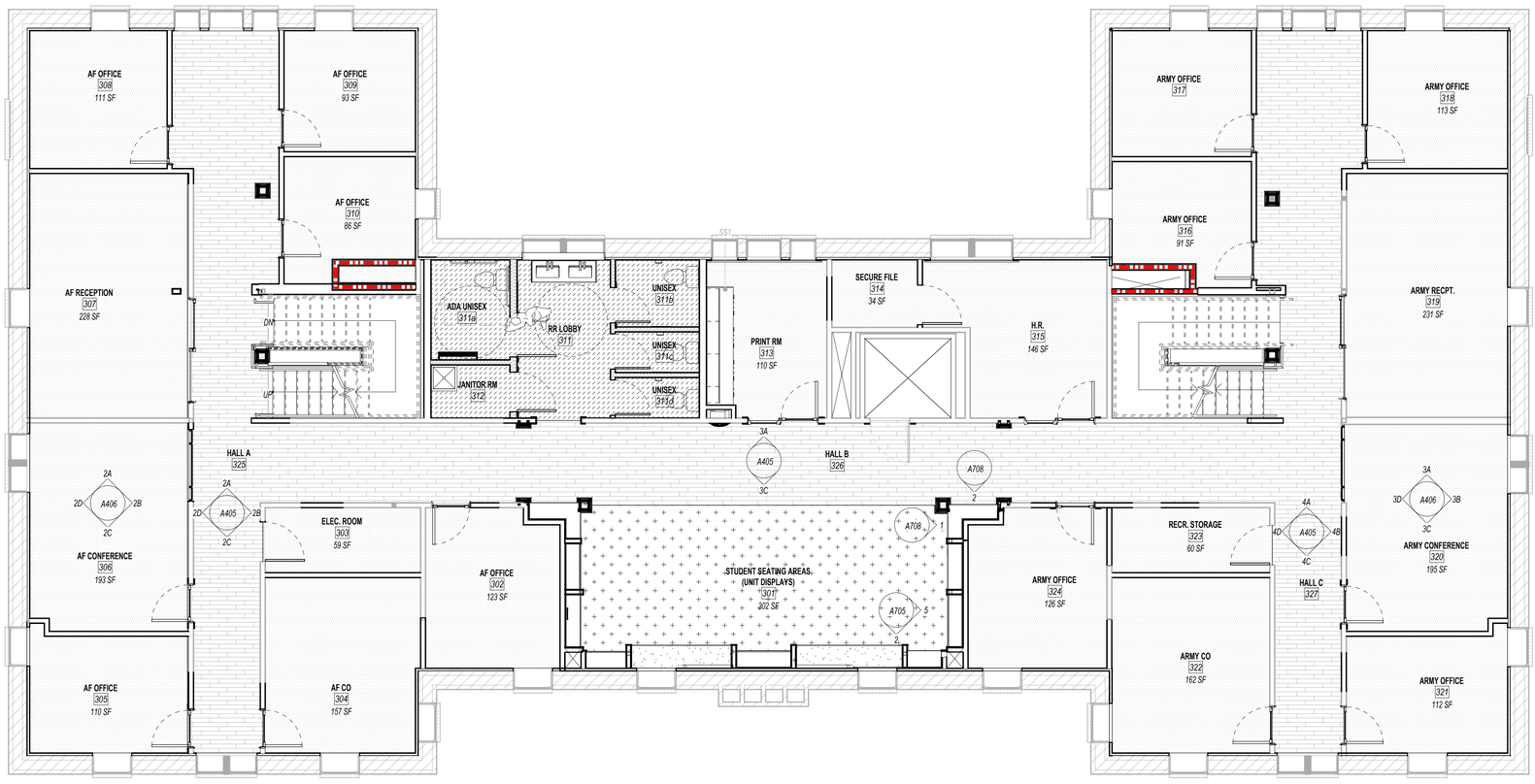
NO.	ROOM NAME	FLOOR FINISH	BASE FINISH	A	B	C	D	Chair Rail	Crown Molding	WINDOW TRIM	COMMENTS
301	STUDENT SEATING AREAS (UNIT DISPLAYS)	CPT2	B1		WD1	WD1/P1	WD1			HC2	
302	AF OFFICE	CPT1	B2	P1	P1	P1	P1				
303	ELEC. ROOM	CPT1	RB	P1	P1	P1	P1				
304	AF CO	CPT1	B2	P2	P1	P1	P1			HCS	
305	AF OFFICE	CPT1	B2	P1	P1	P1	P1			HCS	
306	AF CONFERENCE	CPT1	B2	P2	P1	P1	P1	YES		HCS	
307	AF RECEPTION	CPT1	B2	P1	P1	P1	P1			HCS	
308	AF OFFICE	CPT1	B2	P1	P1	P1	P1			HCS	
309	AF OFFICE	CPT1	B2	P1	P1	P1	P1			HCS	
310	AF OFFICE	CPT1	B2	P1	P1	P1	P1			HCS	
311	RR LOBBY	FT1	TB	WT1	WT1	WT1	WT1			HCS	
311a	ADA UNISEX	FT1	TB	WT1	WT1	WT1	WT1				
311b	UNISEX	FT1	TB	WT1	WT1	WT1	WT1				
311c	UNISEX	FT1	TB	WT1	WT1	WT1	WT1				
311d	UNISEX	FT1	TB	WT1	WT1	WT1	WT1				
312	JANITOR RM	FT1	RB	P1	P1	P1	P1				PROVIDE FRP AROUND JANITOR SINKS
313	PRINT RM	CPT1	B2	P1	P1	P1	P1			HCS	
314	SECURE FILE	CPT1	RB	P1	P1	P1	P1				
315	H.R.	CPT1	B2	P1	P1	P1	P1			HCS	
316	ARMY OFFICE	CPT1	B2	P1	P1	P1	P1			HCS	
317	ARMY OFFICE	CPT1	B2	P1	P1	P1	P1			HCS	
318	ARMY OFFICE	CPT1	B2	P1	P1	P1	P1			HCS	
319	ARMY RECPT.	CPT1	B2	P1	P1	P1	P1			HCS	
320	ARMY CONFERENCE	CPT1	B2	P2	P1	P1	P1	YES		HCS	
321	ARMY OFFICE	CPT1	B2	P1	P1	P1	P1			HCS	
322	ARMY CO	CPT1	B2	P2	P1	P1	P1			HCS	
323	RECR. STORAGE	CPT1	RB	P1	P1	P1	P1				
324	ARMY OFFICE	CPT1	B2	P1	P1	P1	P1			HCS	
325	HALL A	LVT1	B1	P1	P1	P1	P1			HCS	
326	HALL B	LVT1	B1	P1	P1	P1	P1				
327	HALL C	LVT1	B1	P1	P1	P1	P1			HCS	



2 FLUSH FLOORING TRANSITION TYPE
12" = 1'-0"



3 UNEVEN FLOORING TRANSITION TYPE
12" = 1'-0"



1 LEVEL 3 - FINISH PLAN
3/16" = 1'-0"

ROOM FINISH LEGEND

FLOOR FINISHES

CPT1 CPT2 CPT3 FT1 LVT1 (E)

CPT1: CARPET TILE - SHAW, STYLE 'BRUSH TILE', COLO R FULFILLMENT 05713
CPT2: CARPET TILE - SHAW, STYLE 'FRILL', COLO R FULFILLMENT 05713
CPT3: CARPET TILE - INTERFACE, STYLE 'ENTROPY', HONEYSUCKLE
FT1: PORCELAIN FLOOR TILE - DALTILE KEYSTONES 1x1 HEXAGON MOSAIC, DESERT GRAY MATTE
LVT1: LUXURY VINYL TILE - PATCRAFT, 20 MIL, STYLE: 'TRUE SPECIES', COLOR: DARK RUSTIC-V3 00785
(E): EXISTING FINISH - NO WORK

BASE FINISHES

B1: HISTORIC HALLWAY WOOD BASE - SEE SHEET A704 FOR DETAILS
B2: HISTORIC CLASSROOM WOOD BASE - SEE SHEET A704 FOR DETAILS
B3: HISTORIC WOOD BASE - SEE SHEET A704 FOR DETAILS
B4: HISTORIC WOOD BASE - SEE SHEET A704 FOR DETAILS
TB: TILE BASE - 3x6 -DALTILE, COLOR WHEEL - DESERT GREY W/ SHLUTER TRIM @ FLOOR
RB: RUBBER BASE - JOHNSONITE 6" BLACK

FLOOR AND BASE FINISH NOTES:
1. SEE SPECIFICATIONS FOR FINISH MANUFACTURER.
2. ALL FLOORING TO BE INSTALLED ON MANUFACTURERED APPROVED SUB FLOOR.
3. INSTALL FACTORY-PROVIDED TRANSITION STRIP OR AS DETAILED AT ALL FLOORING CHANGES.
4. CHANGE FLOORING WHERE INDICATED ON PLANS, CHANGE FLOOR CENTERED UNDER DOOR AT ROOM TO ROOM CHANGES, U.N.O
5. AT CASEWORK, CONTINUE BASE AROUND ENDPANELS AND TOE-KICKS. U.N.O.

CEILING FINISHES *SEE RCP*

WALL FINISHES

PAINT NOTE: MANUF. SHOWN ARE BASIS OF DESIGN ONLY. SUBSTITUTIONS ALLOWED WITH APPROVAL; SEE SPEC SECTION ON SUBSTITUTIONS. VERIFY FINAL PAINT COLORS AND LOCATIONS W/ ARCHITECT PRIOR TO INSTALLATION.

WT1: CERAMIC TILE - DALTILE, COLOR WHEEL, 3X6 TILE - ARCTIC WHITE
WD1: WOOD PANEL: OAK WOOD VENEER PANEL - MATCH EXISTING LEVEL 1 & 2 TRIM

P1: PAINT - COLOR: SW 7044 AMAZING GREY
P2: PAINT - COLOR: SW 0047 STUDIO BLUE GREEN
P3: PAINT - COLOR: SW 7055 ENDURING BRONZE

WALL FINISHES NOTES:
1. SEE INTERIOR ELEVATIONS AND/OR DETAILS FOR INTERIOR WINDOWS, SPECIAL WALL FINISHES, TRIM, ETC.
2. FINISH SCHEDULE APPLIES TO GENERAL AREA: THERE MAYBE SPECIFIC FINISH REQUIREMENTS SHOWN ON DETAILS, DRAWINGS OR SPECIFICATIONS.
3. SEE SPECIFICATIONS FOR LEVEL(S) OF FINISH AT GWB SURFACES.
4. ALL WALLS/CEILINGS P1 UNLESS OTHERWISE NOTED ON PLANS &/OR ELEVATIONS.

COUNTERTOPS, CASEWORK SURFACES, TRIM

SS1: SOLID SURFACE COUNTERTOP - VIATERA - ENCORE
SS2: SOLID SURFACE COUNTERTOP - VIATERA - CRYSTALLO VERA
PL1: DECORATIVE PLASTIC LAMINATE - FENIX - BLU FES
PL2: DECORATIVE PLASTIC LAMINATE - FENIX - VERDE COMODORO

COUNTERTOP AND CASEWORK FINISHES NOTES:
1. SEE SPECIFICATION FOR MANUFACTURER.
2. PLASTIC LAMINATE COUNTERTOPS TO HAVE LAMINATE EDGES, U.N.O. NOTED IN DETAILS.
3. PROVIDE FINISHED END PANELS WHERE EXPOSED TO VIEW, PROVIDE SCRIBE STRIP AT ALL WALL ABUTMENTS.
4. WHERE NOTED ON ELEVATIONS, PROVIDE 4" BACKSPLASH W/ SQUARE EDGES, MATCH ADJ. COUNTERTOP MATERIAL.
5. FOR BIDDING PURPOSES ASSUME EACH DRAWER AND/OR DOOR HAS A PULL, EVEN IF NOT SHOWN IN ELEVATIONS

SEE FINISH SCHEDULE FOR LISTING OF MATERIALS .

GENERAL FINISH NOTES:

1. ALL PAINTING, WALLCOVERING & GYPSUM WALLBOARD FINISHING PER SPECIFICATIONS AND DECORATING CONTRACTORS OF AMERICA.
2. PROVIDE SAMPLES OF SPECIFIED FINISHES TO ARCHITECT FOR APPROVAL PRIOR TO APPLICATION
3. PROVIDE TO OWNER APPROXIMATELY 5% OF ADDITIONAL FINISH MATERIAL FOR FUTURE REPAIR AND MAINTENANCE. (I.E. - PAINT, VINYL FLOORING, RUBBER BASE, ETC.)

FLOOR FINISH NOTES:

1. IF FINISHES ARE NOT CLEARLY INDICATED FOR AN AREA, CLARIFY INTENT WITH ARCHITECT.
2. PROVIDE APPROPRIATE TRANSITION TRIM AT ALL MATERIAL CHANGES.
3. PROVIDE EXTRUDED ALUMINUM EDGE METAL AT TERMINATION OF ALL CERAMIC TILE AREAS.
4. TEST ALL SUBSTRATES TO VERIFY COMPLIANCE WITH FINISH MANUFACTURER'S SPECIFICATIONS PRIOR TO FLOORING INSTALLATION.
5. PATCH, REPAIR, AND/OR GRIND ALL SUBSTRATES TO ACCEPTABLE LEVEL OF SMOOTHNESS/LEVELNESS PRIOR TO FLOORING INSTALLATION.
6. FLOORING CHANGES FROM ROOM TO ROOM TO OCCUR DIRECTLY UNDER THE DOOR LOCATION.
7. FLOORING THROUGHOUT BUILDING IS UNEVEN PROVIDE APPROPRIATE TRANSITION STRIP AT EACH TRANSITION. SEE

WALL FINISH NOTES:

1. IF FINISHES ARE NOT CLEARLY INDICATED FOR AN AREA, CLARIFY INTENT WITH ARCHITECT.
2. PROVIDE APPROPRIATE TRANSITION TRIM AT ALL MATERIAL CHANGES.
3. PROVIDE CLEAN, CONSISTENT CAULK JOINTS AT ABUTMENTS OF DISSIMILAR MATERIALS.
4. PROVIDE METAL EDGING AT ALL GYPSUM BOARD EDGES THAT ABUT DISSIMILAR MATERIALS.
5. PROVIDE BULLNOSE TILES AT ALL EXPOSED TILE EDGES.

CEILING FINISH NOTES:

1. IF FINISHES ARE NOT CLEARLY INDICATED FOR AN AREA, CLARIFY INTENT WITH ARCHITECT.
2. PROVIDE APPROPRIATE TRANSITION TRIM AT ALL MATERIAL CHANGES.
3. PROVIDE CLEAN, CONSISTENT CAULK JOINTS AT ABUTMENTS OF DISSIMILAR MATERIALS.

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LICENSED ARCHITECT NICHOLAUS DIGGINS NO. 15977 STATE OF MONTANA

A/E# 2023-02-29
MSU 23-0925

MSU - HAMILTON HALL LIFE SAFETY SYSTEM IMPROVEMENTS

MSU, HAMILTON HALL BUILDING ID 301
765 W GARFIELD ST, BOZEMAN, MT 59717

100% CONSTRUCTION DOCUMENTS

Revisions

No.	Date	Description
3	11/17/2026	ADDENDUM 3

10.16.2026

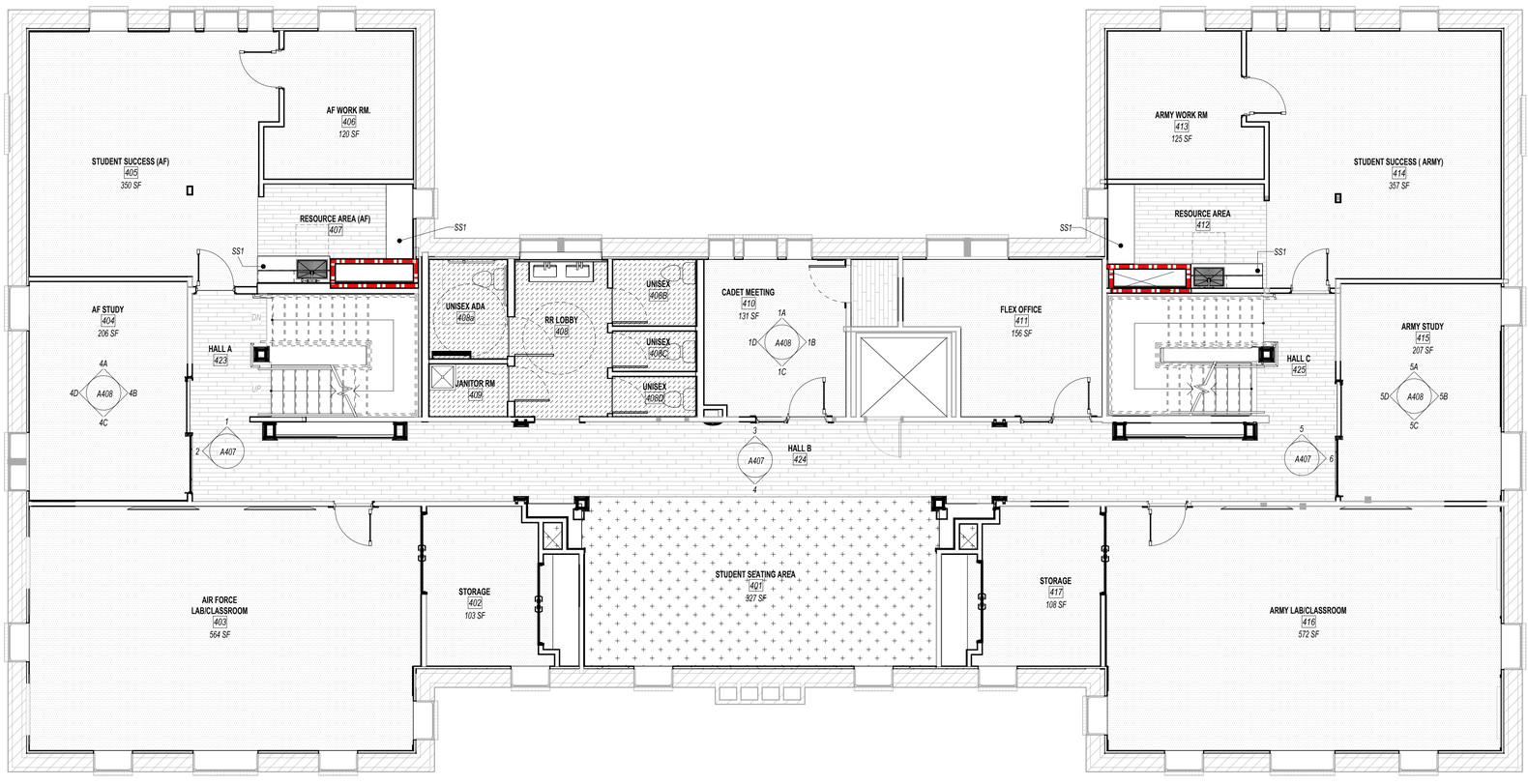
3RD FLOOR FINISH PLAN & SCHEDULE

A702

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ROOM FINISH SCHEDULE - LEVEL 4 & ATTIC

NO.	ROOM NAME	FLOOR FINISH	BASE FINISH	ELEV. A	ELEV. B	ELEV. C	ELEV. D	Chair Rail (CR)	Crown Molding (CM)	WINDOW TRIM	COMMENTS
4- 500	ATTIC STAIR WEST	LVT1		P1	P1	P1	P1				
4- 501	IT ROOM	(E)		P1	P1	P1	P1				PAINT INTERIOR AND EXTERIOR P1
4- 503	ATTIC STAIR EAST	LVT1		P1	P1	P1	P1				
401	STUDENT SEATING AREA	CPT2	B1		SEE NOTE	WD1	SEE NOTE			HC2	SEE ELEVATIONS
402	STORAGE	CPT1	RB	P1	P1	P1	P1			HCS	
402A	LOCK STO.	CPT1	RB	P1	P1	P1	P1				
403	AIR FORCE LAB/CLASSROOM	CPT1	B2	P1/P2	P1/P2	P1/P2	P1/P2	YES	YES	HC2	ALL WINDOWS IN ROOM TO RECIEVE WINDOW HEAD- HC2
404	AF STUDY	CPT1	B2	P2	P1	P1	P1	YES		HCS	
405	STUDENT SUCCESS (AF)	CPT1	B2	P1	P1	P1	P1	YES		HCS	
406	AF WORK RM.	CPT1	B2	P1	P1	P1	P1	YES		HCS	
407	RESOURCE AREA (AF)	LVT1	B2	P1	P1	P1	P1	YES		HCS	
408	RR LOBBY	FT1	TB	WT1	WT1	WT1	WT1			HCS	
408a	UNISEX ADA	FT1	TB	WT1	WT1	WT1	WT1				
408B	UNISEX	FT1	TB	WT1	WT1	WT1	WT1				
408C	UNISEX	FT1	TB	WT1	WT1	WT1	WT1				
408D	UNISEX	FT1	TB	WT1	WT1	WT1	WT1				
409	JANITOR RM	FT1	RB	P1	P1	P1	P1				PROVIDE FRP AROUND JANITOR SINK
410	CADET MEETING	CPT1	B2	P1	P1	P1	P3	YES		HCS	
410A	FIRE PROTECTION EQUIPMENT	LVT1	RB	P1	P1	P1	P1				
411	FLEX OFFICE	CPT1	B2	P1	P1	P1	P1			HCS	
412	RESOURCE AREA	LVT1	B2	P1	P1	P1	P1	YES		HCS	
413	ARMY WORK RM	CPT1	B2	P1	P1	P1	P1	YES		HCS	
414	STUDENT SUCCESS (ARMY)	CPT1	B2	P1	P1	P1	P1	YES		HCS	
415	ARMY STUDY	CPT1	B2	P2	P1	P1	P1	YES		HCS	
416	ARMY LAB/CLASSROOM	CPT1	B2	P1/P2	P1/P2	P1/P2	P1/P2	YES	YES	HC2	ALL WINDOWS IN ROOM TO RECIEVE WINDOW HEAD- HC2
417	STORAGE	CPT1	RB	P1	P1	P1	P1			HCS	
417A	LOCK STO.	CPT1	RB	P1	P1	P1	P1				
423	HALL A	LVT1	B1	P1	P1	P1	P1				
424	HALL B	LVT1	B1	P1	P1	P1	P1				
425	HALL C	LVT1	B1	P1	P1	P1	P1				



1 LEVEL 4 - FINISH PLAN
3/16" = 1'-0"

SEE FINISH SCHEDULE FOR LISTING OF MATERIALS .

GENERAL FINISH NOTES:

1. *ALL PAINTING, WALLCOVERING & GYPSUM WALLBOARD FINISHING PER SPECIFICATIONS AND DECORATING CONTRACTORS OF AMERICA.*
2. *PROVIDE SAMPLES OF SPECIFIED FINISHES TO ARCHITECT FOR APPROVAL PRIOR TO APPLICATION*
3. *PROVIDE TO OWNER APPROXIMATELY 5% OF ADDITIONAL FINISH MATERIAL FOR FUTURE REPAIR AND MAINTENANCE. (I.E. - PAINT, VINYL FLOORING, RUBBER BASE, ETC.)*

FLOOR FINISH NOTES:

1. *IF FINISHES ARE NOT CLEARLY INDICATED FOR AN AREA, CLARIFY INTENT WITH ARCHITECT.*
2. *PROVIDE APPROPRIATE TRANSITION TRIM AT ALL MATERIAL CHANGES.*
3. *PROVIDE EXTRUDED ALUMINUM EDGE METAL AT TERMINATION OF ALL CERAMIC TILE AREAS.*
4. *TEST ALL SUBSTRATES TO VERIFY COMPLIANCE WITH FINISH MANUFACTURER'S SPECIFICATIONS PRIOR TO FLOORING INSTALLATION.*
5. *PATCH, REPAIR, AND/OR GRIND ALL SUBSTRATES TO ACCEPTABLE LEVEL OF SMOOTHNESS/LEVELNESS PRIOR TO FLOORING INSTALLATION.*
6. *FLOORING CHANGES FROM ROOM TO ROOM TO OCCUR DIRECTLY UNDER THE DOOR LOCATION.*
7. *FLOORING THROUGHOUT BUILDING IS UNEVEN PROVIDE APPROPRIATE TRANSITION STRIP AT EACH TRANSITION. SEE*

WALL FINISH NOTES:

1. *IF FINISHES ARE NOT CLEARLY INDICATED FOR AN AREA, CLARIFY INTENT WITH ARCHITECT.*
2. *PROVIDE APPROPRIATE TRANSITION TRIM AT ALL MATERIAL CHANGES.*
3. *PROVIDE CLEAN, CONSISTENT CAULK JOINTS AT ABUTMENTS OF DISSIMILAR MATERIALS.*
4. *PROVIDE METAL EDGING AT ALL GYPSUM BOARD EDGES THAT ABUT DISSIMILAR MATERIALS.*
5. *PROVIDE BULLNOSE TILES AT ALL EXPOSED TILE EDGES.*

CEILING FINISH NOTES:

1. *IF FINISHES ARE NOT CLEARLY INDICATED FOR AN AREA, CLARIFY INTENT WITH ARCHITECT.*
2. *PROVIDE APPROPRIATE TRANSITION TRIM AT ALL MATERIAL CHANGES.*
3. *PROVIDE CLEAN, CONSISTENT CAULK JOINTS AT ABUTMENTS OF DISSIMILAR MATERIALS.*

ROOM FINISH LEGEND

FLOOR FINISHES

CPT1 CPT2 CPT3 FT1 LVT1 (E)

CPT1: *CARPET TILE - SHAW, STYLE 'BRUSH TILE', COLO R FULFILLMENT 05713*
CPT2: *CARPET TILE - SHAW, STYLE 'FRILL', COLO R FULFILLMENT 05713*
CPT3: *CARPET TILE - INTERFACE, STYLE 'ENTROPY', HONEYSUCKLE*
FT1: *PORCELAIN FLOOR TILE - DALTILE KEYSTONES 1x1 HEXAGON MOSAIC, DESERT GRAY MATTE*
LVT1: *LUXURY VINYL TILE - PATCRAFT, 20 MIL, STYLE: "TRUE SPECIES"; COLOR: DARK RUSTIC-V3 00765*
(E): *EXISTING FINISH - NO WORK.*

BASE FINISHES

B1: *HISTORIC HALLWAY WOOD BASE - SEE SHEET A704 FOR DETAILS*
B2: *HISTORIC CLASSROOM WOOD BASE - SEE SHEET A704 FOR DETAILS*
B3: *HISTORIC WOOD BASE - SEE SHEET A704 FOR DETAILS*
B4: *HISTORIC WOOD BASE - SEE SHEET A704 FOR DETAILS*
TB: *TILE BASE - 3x6 -DALTILE, COLOR WHEEL - DESERT GREY W/ SHLUTER TRIM @ FLOOR*
RB: *RUBBER BASE - JOHNSONITE 6" BLACK*

FLOOR AND BASE FINISH NOTES:
1. *SEE SPECIFICATIONS FOR FINISH MANUFACTURER.*
2. *ALL FLOORING TO BE INSTALLED ON MANUFACTURERED APPROVED SUB FLOOR.*
3. *INSTALL FACTORY-PROVIDED TRANSITION STRIP OR AS DETAILED AT ALL FLOORING CHANGES.*
4. *CHANGE FLOORING WHERE INDICATED ON PLANS, CHANGE FLOOR CENTERED UNDER DOOR AT ROOM TO ROOM CHANGES, U.N.O*
5. *AT CASEWORK, CONTINUE BASE AROUND ENDPANELS AND TOE-KICKS, U.N.O.*

CEILING FINISHES *SEE RCP*

WALL FINISHES

PAINT NOTE: *MANUF. SHOWN ARE BASIS OF DESIGN ONLY. SUBSTITUTIONS ALLOWED WITH APPROVAL; SEE SPEC SECTION ON SUBSTITUTIONS. VERIFY FINAL PAINT COLORS AND LOCATIONS W/ ARCHITECT PRIOR TO INSTALLATION.*

WT1: *CERAMIC TILE - DALTILE, COLOR WHEEL 3X6 TILE - ARCTIC WHITE*
WD1: *WOOD PANEL: OAK WOOD VENEER PANEL - MATCH EXISTING LEVEL 1 & 2 TRIM*

P1: *PAINT - COLOR: SW 7044 AMAZING GREY*
P2: *PAINT - COLOR: SW 0047 STUDIO BLUE GREEN*
P3: *PAINT - COLOR: SW 7055 ENDURING BRONZE*

WALL FINISHES NOTES:
1. *SEE INTERIOR ELEVATIONS AND/OR DETAILS FOR INTERIOR WINDOWS, SPECIAL WALL FINISHES, TRIM, ETC.*
2. *FINISH SCHEDULE APPLIES TO GENERAL AREA: THERE MAYBE SPECIFIC FINISH REQUIREMENTS SHOWN ON DETAILS, DRAWINGS OR SPECIFICATIONS.*
3. *SEE SPECIFICATIONS FOR LEVEL(S) OF FINISH AT GWB SURFACES.*
4. *ALL WALLS/CEILINGS P1 UNLESS OTHERWISE NOTED ON PLANS &/OR ELEVATIONS.*

COUNTERTOPS, CASEWORK SURFACES, TRIM

SS1: *SOLID SURFACE COUNTERTOP - VIATERA - ENCORE*
SS2: *SOLID SURFACE COUNTERTOP - VIATERA - CRYSTALLO VERA*
PL1: *DECORATIVE PLASTIC LAMINATE - FENIX - BLU FES*
PL2: *DECORATIVE PLASTIC LAMINATE - FENIX - VERDE COMODORO*

COUNTERTOP AND CASEWORK FINISHES NOTES:
1. *SEE SPECIFICATION FOR MANUFACTURER.*
2. *PLASTIC LAMINATE COUNTERTOPS TO HAVE LAMINATE EDGES, U.N.O. NOTED IN DETAILS.*
3. *PROVIDE FINISHED END PANELS WHERE EXPOSED TO VIEW; PROVIDE SCRIBE STRIP AT ALL WALL ABUTMENTS.*
4. *WHERE NOTED ON ELEVATIONS, PROVIDE 4" BACKSPLASH W/ SQUARE EDGES, MATCH ADJ. COUNTERTOP MATERIAL.*
5. *FOR BIDDING PURPOSES ASSUME EACH DRAWER AND/OR DOOR HAS A PULL, EVEN IF NOT SHOWN IN ELEVATIONS*

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LICENSED ARCHITECT NICHOLAUS DIGGINS NO. 15977 STATE OF MONTANA

A/E# 2023-02-29
MSU 23-0925

MSU - HAMILTON HALL LIFE SAFETY SYSTEM IMPROVEMENTS

MSU, HAMILTON HALL BUILDING ID 301
765 W GARFIELD ST, BOZEMAN, MT 59717

100% CONSTRUCTION DOCUMENTS

Revisions

No.	Date	Description
3	11/17/2026	ADDENDUM 3

10.16.2026

4TH FLOOR FINISH PLAN & SCHEDULE

A703

DATE STAMP: 11/18/2026 11:31:02 AM

DEMO/EXISTING FRAMING LEGEND

= INDICATES (E) BEARING WALL TO BE REMOVED

= INDICATES (E) BEARING WALL TO REMAIN

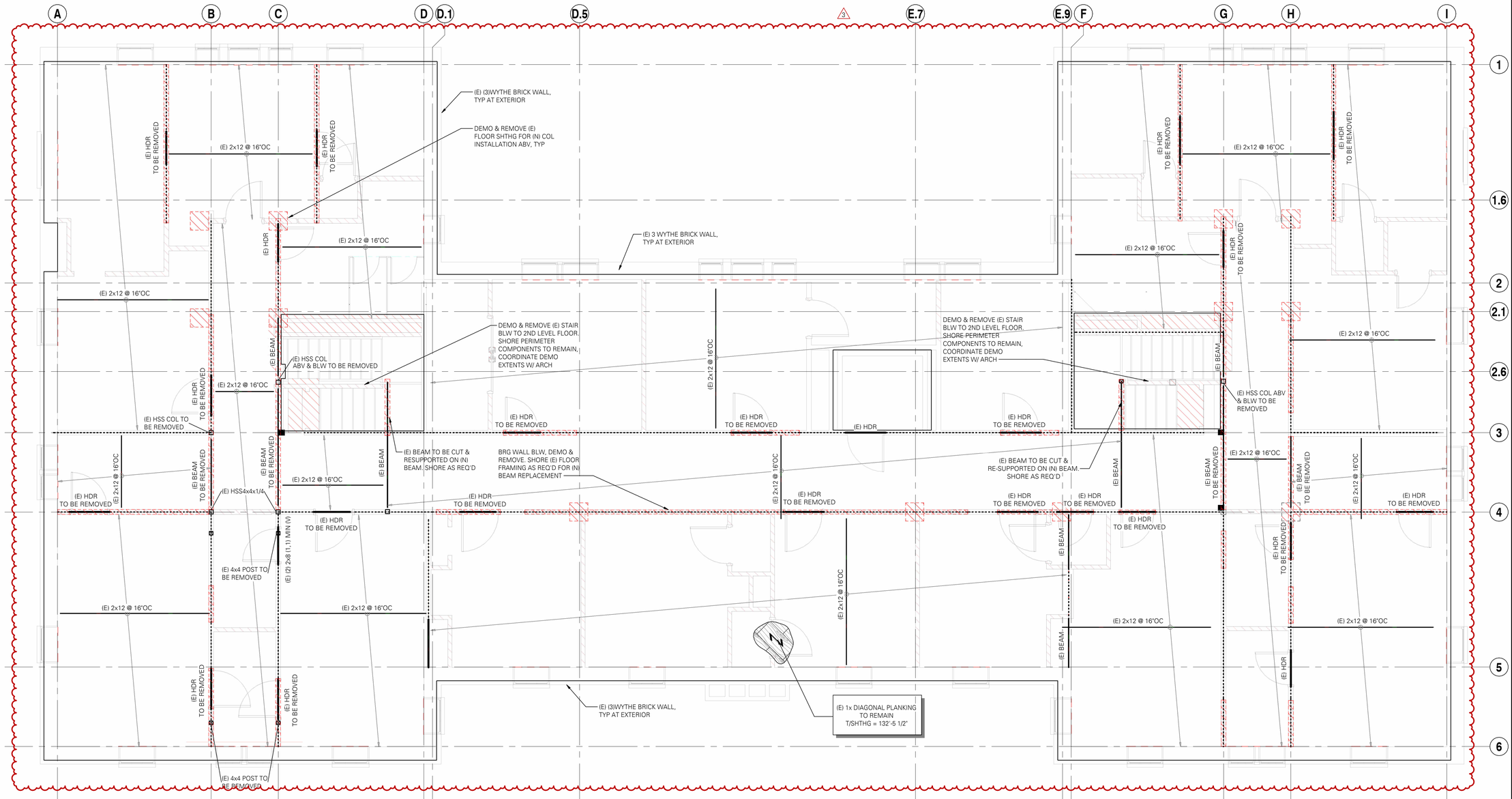
= INDICATES (E) BEAM OR HEADER TO BE REMOVED

= INDICATES (E) BEAM OR HEADER TO REMAIN

SHORING NOTE:
THE EXISTING INTERIOR STRUCTURE IS PRIMARILY A BEAM AND COLUMN SYSTEM. WE ANTICIPATE THAT SHORING CAN BE DESIGNED IN A WAY THAT QUICKLY GETS THE TEMPORARY LOADS TO THE MAIN INTERIOR COLUMNS AND FOOTINGS. AS SUCH, IT CAN BE ANTICIPATED THAT THE SHORING WILL BE PRIMARILY LOCATED IN THE LEVELS UNDER CONSTRUCTION: THE THIRD FLOOR LEVEL AND ABOVE.

DEMOLITION AND EXISTING PLAN NOTES:

1. STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND PER S000, S001 AND S002.
2. FIELD VERIFY DIMENSIONS. DO NOT SCALE FROM DRAWINGS. NOTIFY DESIGN TEAM OF ANY DISCREPANCIES PRIOR TO COMMENCING WORK.
3. EXISTING DUCTS, CHASES, PIPES, AND MECHANICAL UNITS TO BE DEMOLISHED PER MECHANICAL, PLUMBING, AND ELECTRICAL DEMOLITION DRAWINGS.
4. ELEMENTS IDENTIFIED ON DRAWINGS ARE EXISTING AND TO REMAIN UNLESS NOTED OTHERWISE.
5. CAREFULLY COORDINATE ALL DEMOLITION EXTENTS SHOWN WITH ARCHITECTURAL AND MEP DEMOLITION DRAWINGS.
6. DEMOLITION CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY SHORING AND ALL TEMPORARY BRACING/ STABILITY OF THE SYSTEM DURING DEMOLITION AND CONSTRUCTION. CONTRACTOR TO PROVIDE STAMPED SHORING DRAWINGS FOR REVIEW BY DCI ENGINEERS.
7. HATCH INDICATES EXISTING CONSTRUCTION TO BE REMOVED.
8. (E) = EXISTING ELEMENT
(V) = ELEMENT TO BE FIELD VERIFIED (CONTACT DCI ENGINEERS IF ITEMS ARE DIFFERENT THAN SHOWN ON PLAN)



LEVEL 4 FRAMING PLAN - EXISTING & DEMO

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

DATE STAMP: 11/18/2026 8:30:24 PM

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CIVIL / STRUCTURAL

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A/E# 2023-02-29
MSU 23-0925

MSU - HAMILTON HALL LIFE SAFETY SYSTEM IMPROVEMENTS

MSU, HAMILTON HALL
101 HAMILTON HALL, BOZEMAN, MT 59717
BUILDING ID: XXXXXXXXX

100% CONSTRUCTION DOCUMENTS

Revisions

No.	Date	Description
3	11/19/2026	Revision 3

11.19.2026

LEVEL 4 FRAMING PLAN - EXISTING & DEMO

S102

SECTION 23 8219
FAN COIL UNITS

PART 1 - GENERAL

1.01 SUMMARY

A. Section Includes:

1. Ductless fan coil units.

1.02 SUBMITTALS

A. See Section 23 0000 “General Requirements of HVAC” for submittal requirements.

1.03 QUALITY ASSURANCE

A. Comply with NFPA 70.

B. ASHRAE Compliance: Applicable requirements in ASHRAE 62.1, Section 5 - "Systems and Equipment" and Section 7 - "Construction and Startup."

C. ASHRAE/IES 90.1 Compliance: Applicable requirements in ASHRAE/IES 90.1, Section 6 - "Heating, Ventilating, and Air-Conditioning."

PART 2 - PRODUCTS

2.01 MANUFACTURERS

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1. Nailor Industries, Inc.
2. Price Industries
3. Daikin Applied
4. Engineered Air
5. ENVIRO-TEC; brand of Johnson Controls International
6. First Company Products

B. Coil Section Insulation:

1. 1/2-inch- thick, foil-covered, closed-cell foam complying with ASTM C1071 and attached with adhesive complying with ASTM C916.
2. Surface-Burning Characteristics: Insulation and adhesive shall have a combined maximum flame-spread index of 25 and smoke-developed index of 50 when tested according to ASTM E84 by a qualified testing agency.
3. Airstream Surfaces: Surfaces in contact with the airstream shall comply with requirements in ASHRAE 62.1.

C. Drain Pans: Stainless Steel. Fabricate pans and drain connections to comply with ASHRAE 62.1.

D. Chassis: Galvanized steel where exposed to moisture, with powder-coat finish and removable access panel. Floor-mounting units shall have leveling screws.

E. Cabinet: Steel with baked-enamel finish in manufacturer's standard paint color as selected by Architect.

1. Vertical Unit Front Panels: Removable, steel, with integral stamped discharge grille and channel-formed edges, cam fasteners, and insulation on back of panel.
2. Horizontal Unit Bottom Panels: Fastened to unit with cam fasteners and hinge and attached with safety chain; with integral stamped discharge grilles.
3. Stack Unit Discharge and Return Grille: Aluminum double-deflection discharge grille, and louvered- or panel-type return grille; color as selected by Architect from manufacturer's standard colors. Return grille shall provide maintenance access to fan coil unit.

4. Steel recessing flanges for recessing fan coil units into ceiling or wall.

F. Filters: Minimum arrestance and a minimum efficiency reporting value (MERV) according to ASHRAE 52.2 and all addendums.

1. MERV Rating: 6 when tested according to ASHRAE 52.2.

2. Pleated Cotton-Polyester Media: 90 percent arrestance and MERV 7.

G. Hydronic Coils: Copper tube with corrosion-resistant coating, with mechanically bonded aluminum fins spaced no closer than 0.1 inch, rated for a minimum working pressure of 200 psig and a maximum entering-water temperature of 220 deg F. Include manual air vent and drain valve.

~~H. Corrosion-Resistant Coating: Coat coils with a corrosion-resistant coating capable of withstanding a 3,000-hour salt-spray test according to ASTM B117.~~

~~1. Standards:~~

~~a. ASTM B117 for salt spray.~~

~~b. ASTM D2794 for minimum impact resistance of 100 in-lb~~

~~c. ASTM D3359 for cross hatch adhesion of 5B.~~

~~2. Application: Immersion.~~

~~3. Thickness: 1 mil.~~

~~4. Gloss: Minimum gloss of 50 gloss units on a single angle 60 degree meter.~~

I. Electric-Resistance Heating Coils: Nickel-chromium heating wire, free of expansion noise and hum, mounted in ceramic inserts in a galvanized-steel housing; with fuses in terminal box for overcurrent protection and limit controls for high-temperature protection. Terminate elements in stainless-steel machine-staked terminals secured with stainless-steel hardware.

J. Fan and Motor Board: Removable.

1. Fan: Forward curved, double width, centrifugal; directly connected to motor. Thermoplastic or painted-steel wheels, and aluminum, painted-steel, or galvanized-steel fan scrolls.

2. Motor: Permanently lubricated, multispeed; resiliently mounted on motor board. Comply with requirements in Section 23 0500 "General Provisions of HVAC."

3. Wiring Termination: Connect motor to chassis wiring with plug connection.

K. Control devices and operational sequences are specified in Section 23 0900 "HVAC Controls" and the Construction Drawings.

L. Electrical Connection: Factory wire motors and controls for a single electrical connection.

M. Capacities and Characteristics:

1. See Drawings.

PART 3 - EXECUTION

3.01 INSTALLATION OF FAN COIL UNITS

A. Install fan coil units level and plumb.

B. Install fan coil units to comply with NFPA 90A.

C. Suspend fan coil units from structure with elastomeric hangers. Vibration isolators are specified in Section 23 0548 "Vibration and Seismic Controls for HVAC Piping and Equipment."

D. Verify locations of thermostats, humidistats, and other exposed control sensors with Drawings and room details before installation. Install devices 48 inches above finished floor.

E. Install new filters in each fan coil unit within two weeks after Substantial Completion.

F. Piping installation requirements are specified in other Sections. Drawings indicate general arrangement of piping, fittings, and specialties. Specific connection requirements are as follows:

1. Install piping adjacent to machine to allow service and maintenance.
2. Connect piping to fan coil unit factory hydronic piping package. Install piping package if shipped loose.
3. Connect condensate drain to indirect waste.
    a. Install condensate trap of adequate depth to seal against fan pressure. Install cleanouts in piping at changes of direction.

G. Ground equipment according to Section 26 0526 "Grounding and Bonding for Electrical Systems."

H. Connect wiring according to Section 26 0519 "Low-Voltage Electrical Power Conductors and Cables."

3.02 FIELD QUALITY CONTROL

A. Perform the following tests and inspections with the assistance of a factory-authorized service representative:
1. Operational Test: After electrical circuitry has been energized, start units to confirm proper motor rotation and unit operation.
2. Operate electric heating elements through each stage to verify proper operation and electrical connections.
3. Test and adjust controls and safety devices. Replace damaged and malfunctioning controls and equipment.

B. Remove and replace malfunctioning units and retest as specified above.

C. Prepare test and inspection reports.

3.03 ADJUSTING

A. Adjust initial temperature and humidity set points.

B. Occupancy Adjustments: When requested within 12 months of date of Substantial Completion, provide on-site assistance in adjusting system to suit actual occupied conditions. Provide up to two visits to Project during other-than-normal occupancy hours for this purpose.

END OF SECTION

PROJECT INFORMATION

MSU - Hamilton Hall Life Safety System Improvements . Lighting

MSU, HAMILTON HALL
101 HAMILTON HALL, BOZEMAN, MT 59717
A/E# 2023-02-29 MSU 23-0925

100% Construction Documents

Date Issued | 10.16.2026
Project Engineer | Andrew Moore

Issue
A3

PROJECT 3D VIEW





SHEET INDEX & REVISION HISTORY

Sheet	Sheet Name
EL000	LIGHTING INDEX
EL102	LEVEL 2 LIGHTING DEMO PLAN
EL105	LEVEL 3 LIGHTING DEMO PLAN
EL107	LEVEL 4 LIGHTING DEMO PLAN
EL109	ATTIC LIGHTING DEMO PLAN
EL113	LEVEL 2 LIGHTING PLAN
EL114	LEVEL 2 LIGHTING CEILING PLAN
EL115	LEVEL 3 LIGHTING PLAN
EL116	LEVEL 3 LIGHTING CEILING PLAN
EL117	LEVEL 4 LIGHTING PLAN
EL118	LEVEL 4 LIGHTING CEILING PLAN
EL601	LUMINAIRE & LIGHTING EQUIPMENT SCHEDULES
EL602	LIGHTING CONTROL ONE-LINE

GENERAL NOTES

The symbols and abbreviations list on this sheet is a comprehensive standard guide intended for general use on all projects. Therefore, not all symbols and abbreviations contained in this list are necessarily used on this project and should be used for clarification only.

1. The EC may submit substitution requests for prior approval no less than 10 days prior to bid date. Blacksheep separates prior approval packages for luminaires & controls. The EC shall break out separate line items for each to prevent'lockout' of pricing respective to this project.
2. Submittals shall be provided by the installer for Blacksheep review and approved prior to ordering.
3. It is the responsibility of the EC & GC to schedule the following milestones with the lighting designer, no less than 1 week prior to the requested date.
   A. Rough-in inspection - prior to drywall/finish work.
   B. Punch list/Aiming - once artwork and furniture is installed. If a punch list is required prior to the site being ready for aiming, additional construction administration cost (an additional site visit) will be incurred to the project.
   C. Programming - to be scheduled first with the factory authorized representative, and then coordinated with Blacksheep for oversight & design intent.

ABBREVIATIONS

A, AMP	Ampere	LV	Low Voltage
AIC	Amps Interrupting Capacity	LVR	Low Voltage Relay
AC	Alternating Current	MCB	Main Circuit Breaker
AFCI	Arc-Fault Circuit Interrupter	MDP	Main Distribution Panel
AFF	Above Finished Floor	MFGR	Manufacturer
AFG	Above Finished Grade	MIN	Minimum
ATS	Automatic Transfer Switch	MLO	Main Lug Only
AV	Audio Visual	MSB	Main Switchboard
AWG	American Wire Gauge	MV	Medium Voltage
BAS	Building Automation System	N	Neutral
BTU	British Thermal Units	(N)	New
C, CDT	Conduit	NA, N/A	Not Applicable
CB	Circuit Breaker	NEMA	National Electrical Manufacturer Association
CKT	Circuit		
CL	Centerline	N.C.	Normally Closed
CLG	Ceiling	N.O.	Normally Open
CO	Carbon Monoxide	NTS	Not to Scale
C.O.	Conduit Only	OCPD	Overcurrent Protective Device
CT	Current Transformer	P	Poles
CU	Copper	PB	Pullbox
DDC	Digital Data Control	PH	Phase
DWG	Drawing	PNL	Panelboard
(E)	Existing	POE	Power Over Ethernet
E.C.	Electrical Contractor	PWR	Power
ELEC	Electric / Electrical	RECPT	Receptacle
EM	Emergency	RS	Rigid Steel
EMT	Electrical Metallic Tubing	SD	Smoke Detector
EQ	Equal	SHT	Sheet
FA	Fire Alarm	SOH	Standard Outlet Height
FACP	Fire Alarm Control Panel	SP	Spare
FBO	Furnished by Others	SPEC	Specification
FLA	Full Load Amps	SPD	Surge Protective Device
FSD	Fire Smoke Damper	SS	Surge Supression
G, GND	Ground	SW	Switch
G.C.	General Contractor	SWBD	Switchboard
GEN	Generator	SWGR	Switchgear
GFCI	Ground-Fault Circuit Interrupter	TEMP	Temporary
HP	Horse Power	TVSS	Transient Voltage Surge Suppressor
IBEC	Installed by Electrical Contractor	TYP	Typical
IG	Isolated Ground	UG	Underground
J, JB	Junction Box	UON	Unless Otherwise Noted
KV	Kilovolt	UPS	Uninterruptible Power Supply
KVA	Kilovolt Ampere	V	Voltage
KW	Kilowatt	VA	Volt Amperes
KWH	Kilowatt Hour	W	Watt
LCP	Lighting Control Panel	WD	Warm Dim or Water Detector
LTG	Lighting	WP	Weatherproof
		XFMR	Transformer

SYMBOL LEGEND

Symbols listed below are for reference and for the use in understanding the design intent. Not all symbols listed below are necessarily used elsewhere in the construction documents. Cabling information is for reference only; All devices need to be assessed on an individual basis. Halftone symbols represent scope that is not included in the construction documents.

Electrical

- NEMA 5-15R / 5-20R, Mounted Vertically, Non-Essential Power
- NEMA 5-15R / 5-20R, Mounted Horizontally, Non-Essential Power
- NEMA 5-15R Quadruplex
- Unfilled = Protected by GFCI Breaker; Filled = GFCI Receptacle
- Unfilled = Weatherproof Receptacle; Filled = Weatherproof Receptacle, In-Use
- Red = Essential Power; Blue = Optional Standby Power
- Half-Switched Receptacle; '+_' Indicates Height AFF
- NEMA 6-XOR, 250V, 2-Pole; Number Indicates Amperage (i.e., 2 = 20A)
- NEMA 14-XOR, 250/125V, 2-Pole w/ Neutral; Number Indicates Amperage
- NEMA 15-XOR, 250V, 3-Pole; Number Indicates Amperage
- NEMA L6-XOR, 250V, 2-Pole; Number Indicates Amperage
- NEMA L14-XOR, 250/125V, 2-Pole w/ Neutral; Number Indicates Amperage
- NEMA L15-XOR, 250V, 3-Pole; Number Indicates Amperage
- Electrical Provision or Equipment Connection Provision
- Electrical Floor Receptacle, Flush Mounted
- Junction Box, Mounted Above Accessible Ceiling
- Junction Box, Recessed Wall Mounted
- Junction Box, Flush Floor Mounted
- Wiremold Power Outlet Strip
- Non-Fused Disconnect Switch, Surface Mounted
- Fused Disconnect Switch, Surface Mounted
- Panelboard, Flush Mounted
- Panelboard, Surface Mounted
- Push Button | EPO = Emergency Power Off
- Manual Motor Start / Switch
- Inverter

Fire & Life Safety

- Smoke Detector
- Combination Smoke/CO Detector
- Heat Detector
- Carbon Monoxide Detector
- Gas Detector
- Horn Strobe
- Strobe
- Sprinkler Flow Switch
- Tamper Switch

Lighting Luminaires

- Ceiling Mounted
- Wall Mounted
- Uplight | In-Grade
- Recessed Downlight | Round or Square
- Pendant | Round or Square
- Wall Mounted Linear
- Linear LED
- Linear LED Vertical | Recessed or Surface
- Linear | Recessed
- Linear | Surface
- Linear | Suspended
- Track & Track Heads
- Monopoint | Ceiling or Wall Mounted
- Exit Sign | Ceiling Mounted; Shade Denotes Face Read; Arrow Denotes Directional Sign
- Exit Sign | Wall Mounted; Shade Denotes Face Read; Arrow Denotes Directional Sign
- Half Switch Receptacle | For System Control Only
- Floor Half Switch Receptacle | For System Control Only

Lighting Control

- Lighting Control Panel
- Lighting Control Dimming Panel
- Vive Hub
- Lighting/Shade Keypad
- Occupancy Sensor
- Dimmer
- Remote Dimmer - 3-Way
- Switch
- Remote Switch - 3-Way
- Non-Controlled Dimmer/Switch (Provided by the EC)
- Power Pack

Communications | Audio | Video

- Cabling Enclosure
- Data Outlet
- Wireless Access Point
- Demarcation - Phone / Data Service
- Satellite Dish Location
- Touch Panel
- Control RF Gateway
- Control System Integration Wiring
- Television
- Projector
- Aux Input Location
- Backbox
- Speaker
- Subwoofer
- Soundbar - LR / LCR / Center
- Doorbell
- Remote Control
- Equipment Rack

Security & Surveillance

- Security Panel
- Security Keypad
- Cellular Communicator
- RF Receiver
- RF Repeater
- Door / Window Contact Sensor
- Motion Detector
- Glass Break Sensor
- Interior Siren
- Sewage Ejector Interface
- Water / Flood Sensor
- Low Temperature Sensor
- Wireless Flood / Low Temp Sensor
- Water Shutoff Valve
- Surveillance Camera

Access Control

- Access Control Panel
- Access Control Interface
- Access Control Lock

General Drawing Symbols

- Callout View Tag
- Elevation Tag
- Section Head & Tail
- Keynote Tag
- Mechanical Equipment Tag w/ Circuit ID
- Electrical Equipment Tag
- Luminaire Tag
- Luminaire Zone (Room # Zone#)
- Luminaire Power Panel Feed (Refer to Electrical Engineering drawings)
- Technology Tag w/ Cable ID

Prior Approvals

In addition to the basis of design luminaires, the following packages submitted to the Engineer are approved for luminaires:

1. Northern Rockies Agency (NRA)
2. The MH Companies
3. Quantum Lighting
4. The Lighting Agency (TLA)

A3

Note: Control system packages that differ from the basis of design will not be accepted.

Note: Type R04 luminaires that differ from the basis of design will not be accepted.

A3

Note: The Engineer is approving the line of luminaires submitted as an equal, and reserves the right to make additional comments on products during the submittal review.

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A/E# 2023-02-29
MSU 23-0925

MSU - Hamilton Hall Life Safety System Improvements

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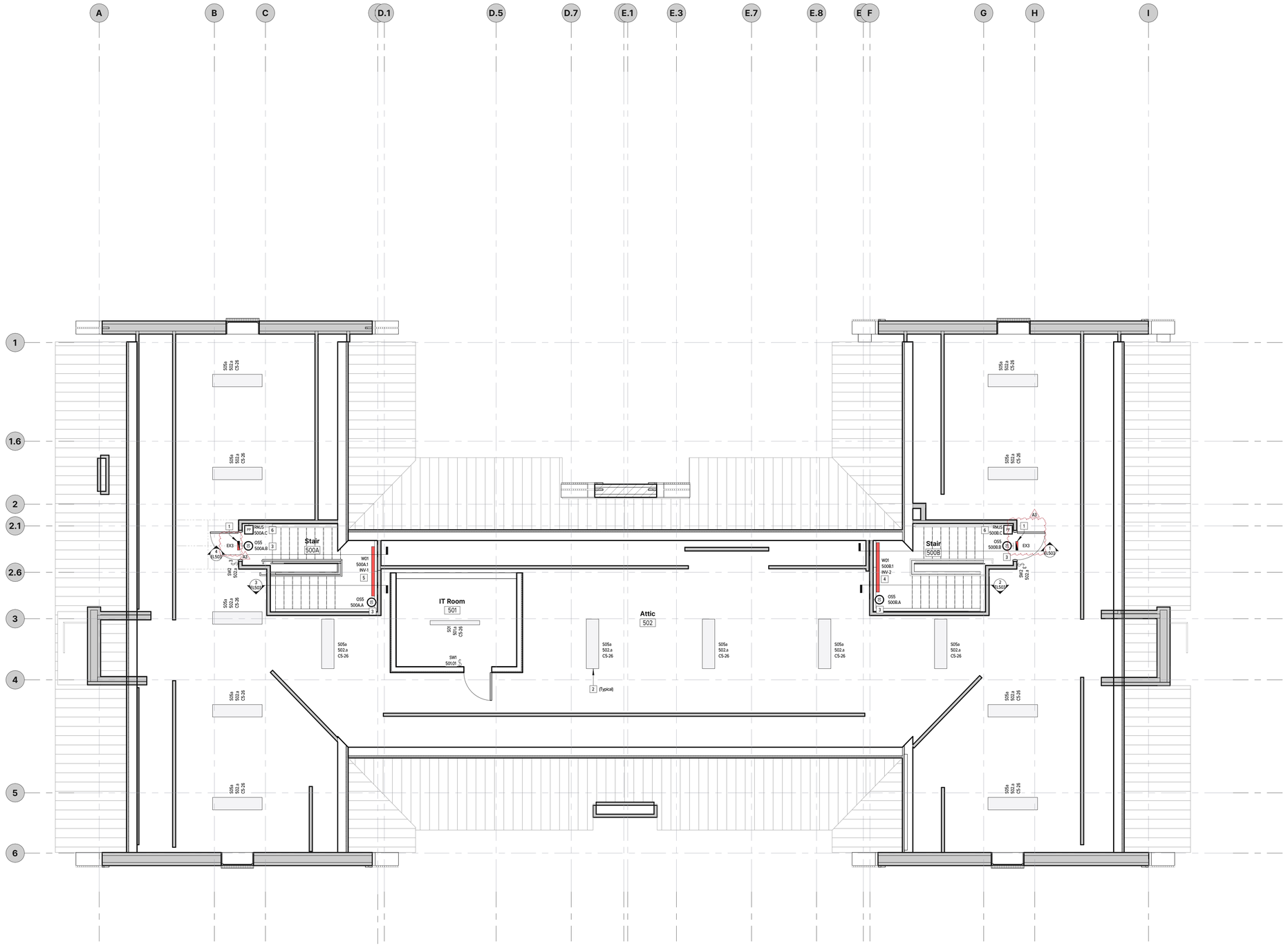
Revisions

#	DATE	REVISION
A2	11.12.2026	Addendum #2
A3	11.19.2026	Addendum #3

10.16.2026

LIGHTING INDEX

EL000



1 **Attic Lighting Plan**
3/16" = 1'-0"

General Sheet Notes

1. Installation of all work shall be in accordance with all local codes and ordinances and the edition of the National Electric Code NFPA 70 (NEC) in effect.
2. The lighting control plans are diagrammatic only. Coordinate equipment location and installation with equipment being served.
3. Provide length per plans. Contractor to field verify & coordinate with supplier.
4. Luminaire compatibility must be confirmed before connecting to lighting control equipment.
5. For all dimming zones (refer to Sequence of Operations), contractor is responsible for all 0-10V wiring between control input and luminaire driver.

Reference Keynotes

1. Battery powered combination emergency lighting unit & exit sign. Power combination on nearest unswitched hot electrical circuit. A3
2. Suspend luminaire 24" below apex of ceiling. Coordinate final mounting locations in the field based on existing conditions.
3. EC to mount Occupancy Sensor to wall 8' - 0 " AFF. Occupancy Sensor mounted on wall to maximize sensor coverage for stair area.
4. Luminaire on the East Stair circuit controlled by Power Pack 327.1.
5. Luminaire on the West Stair circuit controlled by Power Pack 325.1.
6. EC to provide & install Vive wired occupancy transmitter for occupancy sensors in stairwell. Refer to Lighting Control Equipment Schedule & specifications for additional requirements.

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MSU - Hamilton Hall Life Safety System Improvements

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A/E# 2023-02-29 MSU 23-0925

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Revisions

#	DATE	REVISION
A3	11.19.2026	Addendum #3

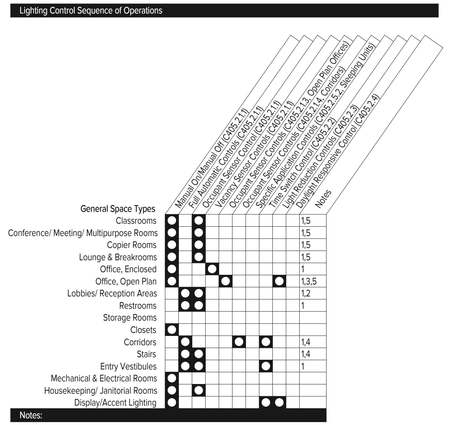
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ATTIC LIGHTING PLAN

EL119

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Lighting Control Sequence of Operations



Notes:

1. Occupancy Sensing Function shall turn all lighting in zone to 50% intensity or less within 20 minutes after all occupants have left the space.
2. Time of Day function shall be programmed to shut off lighting when space is not scheduled to be occupied. Factory
   On-Site Programming shall be coordinated with MSU representative to determine schedule.
3. The controls shall be configured so that general lighting can be controlled separately in control zones with floor areas
   not greater than 600sf within the open plan office space (C405.2.1.3.1).
4. Occupancy Sensor controls in corridors shall uniformly reduce lighting power to an unoccupied setpoint not more than 50% of full power within 20 minutes after all occupants have left the space (C405.2.1.4).
5. Occupancy Sensing Function shall be configured to have Partial On (80%), with Manual Control On as Full On.
6. Per IECC exceptions (C405.2.4: Exceptions: 3), Daylight Responsive Controls are not required for this building.

IECC 2024 Energy Compliance Table:

Whole Building Method - Total Building Energy Compliance Calculation

Area	SF	Calc Multiplier	Allowable Load (W)
Level 3 Lighting Plan	4545	0.7	3181.5
Level 4 Lighting Plan	4685	0.7	4279.5
Attic	2959	0.7	3071.3

Total Calculated Allowable Load (W) : 10532.3

Total Designed Load (W) : 7951

Luminaires

Type	Description	Manufacturer	Model	Qty.	CCT	CRI	Optic	Dimming	Wattage	Lumens	Efficacy	Remarks
EX1	Edge-lit Recessed Ceiling Mounted Exit Sign - Single Face, AC Powered	Acuity Brands - Lithonia	LRP-W-1-RC-XX-120/277	12	NA	NA	NA	NA	2 VA	0 lm	NA	EC to select directional indicators based on annotation on Lighting Plan.
EX2	Edge-lit Recessed Ceiling Mounted Exit Sign - Double Face, AC Powered	Acuity Brands - Lithonia	LRP-W-2-RW-XX-120/277	2	NA	NA	NA	NA	2 VA	0 lm	NA	EC to select directional indicators based on annotation on Lighting Plan.
EX3	Emergency Exit Combo Sign w/ High-Output Dual Emergency Lights, Battery Powered A1	Acuity Brands - Lithonia	LHQM-S-W-RG-MVOLT-HO/ ELMRE-LP220L-T	2	NA	NA	NA	NA	3 VA	0 lm	NA	Battery powered exit sign does not require connection to the central inverter. A2
P01	120" Suspended Direct Linear	Xico LED	NSQ95-P-10-ACL-E1-90-30-ONBB-DLAM-500-NN-NN-1CH-UNV-RD-FD01-DJ-RCW25-P48W	6	3000K	90	Lambertian	0-10V	28 VA	5000 lm	175 lm/W	Align final suspension length with acoustic ceiling.
R01	24" x 24" Edge-lit Recessed Flat Panel	Acuity Brands - Lithonia	CPX-2X2-3200LM-90CRI-30K-SWL-MIN1-ZT-MVOLT	13	3000K	90	Lambertian	0-10V	30 VA	3200 lm	113 lm/W	
R02	12" Recessed Linear Wallwasher	Lightheaded	MMD-10-T-05-SS-LWW-30-9002-RM-DRM-M10-S-120-MMD-10-T-FP	23	3000K	90	Wallwash	ELV	20 VA	2200 lm	110 lm/W	
R03	2" Round Trimless Millwork Wall Wash Downlight	Acuity Brands - Gotham	ICO2BEVADJ-30-15-WR-30D-MVOLT-UGZ-90CRI-tCAT	21	3000K	90	35°	ELV	20 VA	1500 lm	75 lm/W	Paint downlight trim to match ceiling.
R04	Decorative Drop Lens Downlight	DMF Lighting	MD-1500-93-30-GA-O-M4TRSWHDCC	38	3000K	90	50°	0-10V	20 VA	1500 lm	75 lm/W	
R05	2x4 Flat Panel	Acuity Brands - Lithonia	CPX-2X4-xxxxLM-90CRI-30K-SWL-MIN1-ZT-MVOLT	52	3000K	90	Lambertian	0-10V	30 VA	3200 lm	113 lm/W	
S01	4' Back of House Strip Light	Acuity Brands - Lithonia	CSS-L48-AL03-MVOLT-MIN10-ZT-35K-80BRI	3	3500K	80	Lambertian	0-10V	33 VA	4000 lm	120 lm/W	
S02	T-Grid Compatible 10' Surface Mounted Linear with Glare Control	Xico LED	MSL-RT-6-CAE-OMBBK-S90-30-DLAM-500-UNV-FMD-FD01-NN-NN-T3	8	3000K	90	Lambertian	0-10V	33 VA	300 lm	150 lm/W	
S03a	4' Ceiling Surface Mounted Linear Luminaire - Stairwell	Xico LED	NSQ95-4-ACL-E1-90-30-ONBB-DLAM-500-UNV-FD01-SM1-SSMB	4	3000K	90	Lambertian	0-10V	14 VA	2000 lm	142 lm/W	
S03b	6' Ceiling Surface Mounted Linear Luminaire - Stairwell	Xico LED	NSQ95-6-ACL-E1-90-30-ONBB-DLAM-500-UNV-FD01-SM1-SSMB	8	3000K	90	Lambertian	0-10V	21 VA	3000 lm	142 lm/W	
S05a	Suspended Strip Light - Attic	Acuity Brands - Lithonia	CLX-L48-5000LM-SEF-FDL-MVOLT-GZ1-35K-90CRI-WH-ZACVH M100	14	3500K	90	Lambertian	0-10V	31 VA	5000 lm	161 lm/W	EC to set selectable CCT at 3500K.
W01	4' Wall Mounted Linear Luminaire - Stairwell	Xico LED	NSQ95-W-4-ALC-E1-90-30-ONBB-DA5025-1000-IA6040-500-1CH-UNV-FD01-WM-WMZW	4	3000K	90	Asymmetric	0-10V	42 VA	6000 lm	142 lm/W	

Linear Luminaires

Type	Description	Manufacturer	Model	CCT	CRI	Optic	Dimming	Watts/Ft.	Lumens/Ft.	Efficacy	Remarks
L01	45degree Adjustable Linear Channel with Tape Light - Linear Cove Lighting	Diode LED	Tape : DI-24V-STMLT-30-CSTM_ Channel : DI-CPCHB-45-FRT-CSTM_	3000K	90	Wide	ELV	3 VA	300 lm	90 lm/W	Provide remote driver #DI-ODX-24V120W-J and adjustable rotating mount clip.
L02	Recessed Linear Channel with Tape Light	Diode LED	Tape : DI-24V-STMLT-30-CSTM_ Channel : DI-CPCHB-SL-CSTM_	3000K	90	Asym.	ELV	3 VA	300 lm	90 lm/W	Provide remote driver #DI-ODX-24V120W-J.

Notes:
1. EC to provide a complete, working system including all accessories such as end caps, mounting brackets, remote transformers & lenses.

Lighting Control Devices

Type	Manufacturer	Model	Description	Remarks
CS1	Lutron	MRF2S-6ANS-WH	Maestro RF One Zone 6A Control Switch	Confirm finish prior to ordering.
D1	Lutron	MRF2S-6ELV-120-WH	Maestro RF One Zone ELV Dimmer	Confirm finish prior to ordering.
DS1	Lutron	MRF2S-8SD010-WH	Maestro 0-10V RF One Zone Dimmer w/ Integral Occupancy Sensor	Confirm finish prior to ordering.
HUB1-SM	Lutron	HJS-1-SM	Vive Wireless Hub without BACnet, Surface Mount.	
INV	Emergi-Lite	EMIU-1500-4-LD A3	1500W High-Capacity Mini Inverter w/ 4 Outputs and Load Shedding	Set load shedding at 75%. A3
OS1	Lutron	LRF2-OCR2B-P-WH	Vive Ceiling Mount Wireless Occupancy Sensor	
OS3	Lutron	LRF2-OKLB-P-WH	Vive Corner Mount Wireless Occupancy Sensor	
OS5	Lutron	LOS-WDT-500-WH	Dual Technology Wall Mount Occupancy Sensor, Wired	
P4	Lutron	PJL-3BRL-GWH-L01	PICO Keypad, 3 Button with Raise/Lower and Light Icon, 1 Column, Wired (Power)	Confirm finish prior to ordering.
P5	Lutron	PJL-2B-GWH-L01	PICO Keypad, 2 Button, 1 Column, Wired (Power)	Confirm finish prior to ordering.
PP-10EM	Lutron	RMJS-8TN-DV-B	Vive PowPak 0-10v Dimming Module, Emergency	A3
PP-PH	Lutron	RMJS-PNE-DV	Vive PowPak Phase Select Dimming Module	
PP-PHEM	Lutron	RMJS-PNE-DV-EM	Vive Emergency PowPak Phase Select Dimming Module	
RMJS	Lutron	RMJS-OT-DV	Vive PowPak Wired Occupancy Transmitter	

Notes:
1. EC to provide a complete, working system.
2. EC shall bid & install the controls scope of this project from factory shop drawings. EC to include factory shop drawings for control system in submittal review package to Engineer.
3. Coordinate keypad & dimmer finishes with Architect through submittal, prior to ordering. A3

Emergency Inverter Panel Schedule || INV

Manufacturer: Emergi-Lite
Model: EMIU-1500-4-LD
Location: Electrical Room 303
Fed From: C3

Notes: Refer to Electrical Engineer's drawings for more information on feed from panel C3, #C3-36.

Circuit	Circuit Description	Type	Trip	Pole	A		B		Pole	Trip	Type	Circuit Description	Circuit
1	Levels 2 & 3 West Emergency Lighting...		20 A	1	592 VA	679 VA			1	20 A		Level 4 & Attic East Emergency Lighting...	2
3	Level 4 & Attic West Emergency Lightin...		20 A	1			544 VA	302 VA	1	20 A		Levels 2 & 3 East Emergency Lighting...	4
				Total Load:	1271 VA		846 VA						
				Total Current:	11 A		7 A						

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Stamp

MONTANA
ANDREW S. MOORE
No. 38404PE
REGISTERED PROFESSIONAL ENGINEER
LICENSED

A/E# 2023-02-29
MSU 23-0925

MSU - Hamilton Hall Life Safety System Improvements

MSU, HAMILTON HALL
101 HAMILTON HALL, BOZEMAN, MT 59717
A/E# 2023-02-29 MSU 23-0925

100% Construction Documents

Revisions

#	DATE	REVISION
A2	11.12.2026	Addendum #2
A3	11.19.2026	Addendum #3

10.16.2026

LUMINAIRE & LIGHTING EQUIPMENT SCHEDULES

EL601