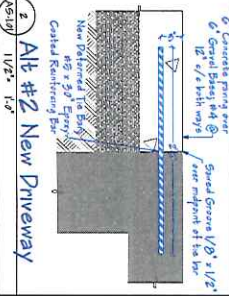


New sidewalk from New Entry to existing. New Entry includes new walkway with new sidewalk running through.

TERMINAL CIRCLE

ALL SITE IMPROVEMENTS SHALL BE PERFORMED IN ACCORDANCE WITH MONTANA PUBLIC WORKS STANDARD SPECIFICATIONS 2020 EDITION, JUNE 27, 2024, AND THE CITY OF BILLINGS STANDARD MODIFICATIONS DATED JANUARY 2021.

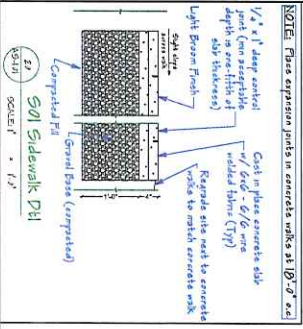
Alternate #2
 Provide existing two compliance restrooms adjacent area with lift.
 IBC 108.3.2 OCCUPANT LOAD GREATER THAN 300. MAIN EXIT SHALL BE SUFFICIENT CAPACITY TO ACCOMMODATE NOT LESS THAN ONE-HALF OF THE OCCUPANT LOAD.
 IBC 108.3.2 MEANS OF EGRESS COMPONENTS SHALL BE CALCULATED BY MULTIPLYING OCCUPANT LOAD BY FACTOR OF 0.7 PER OCCUPANT.
 Alternate #2
 Exit Stair to be relocated for new dining facility direction of travel.
 Alternate #2
 Provide mechanical and equipment necessary to include new field exit gate in the existing fence and construct ADA accessible walkway from the Observation Deck to public sidewalk.



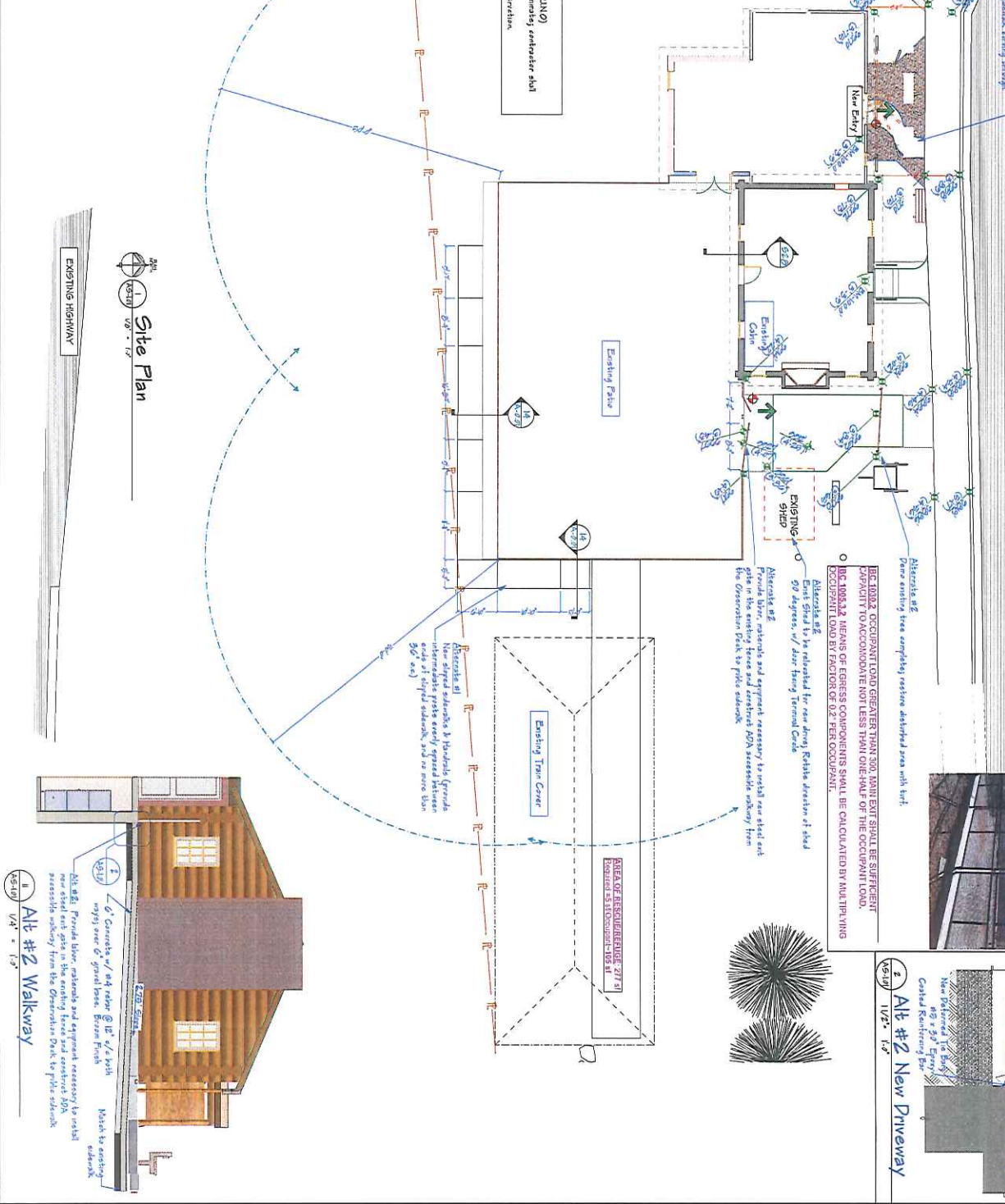
Alt #2 New Driveway

EXISTING PARKING LOT

NOTES:
 1. All concrete walls shall be 6'-0" wide (MIN) verify all existing conditions.
 2. Existing grades & dimensions are approximately contractor shall
 3. Protect existing sidewalk during construction.

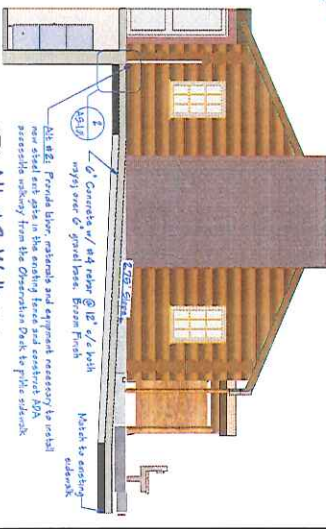


NOTE: Place expansion joints in concrete walls at 10'-0" max.



Site Plan

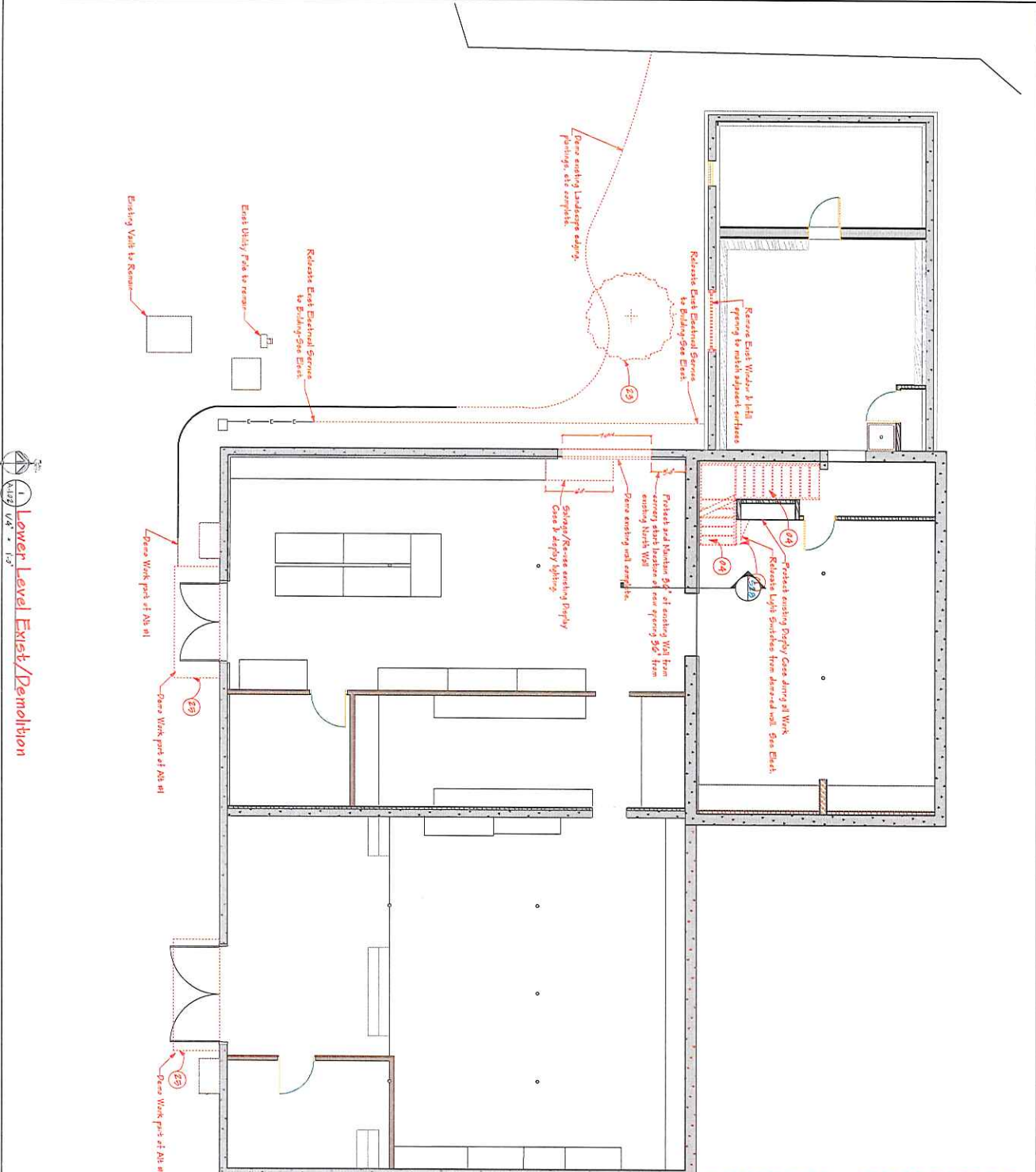
EXISTING HIGHWAY



Alt #2 Walkway

<p>Project: 92401 Spectrum Architects PC ARCHITECTS PC P.O. BOX 11533 BILLINGS, MT 59101 TEL: 406-465-4449 FAX: 406-465-4448 WWW.SPECTRUMARCH.COM</p>	<p>Client: Yellowstone County Museum Project: Toilet Remodel & Lift Addition Date: 11/8/24</p>	<p>Yellowstone County Museum Toilet Remodel & Lift Addition 1000 Terminal Circle Billings Montana</p>	<p>Revision table: NO. DATE BY 01 11/8/24 JLD 02 11/8/24 JLD</p>
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AS-101
 SHEET 2 OF 21



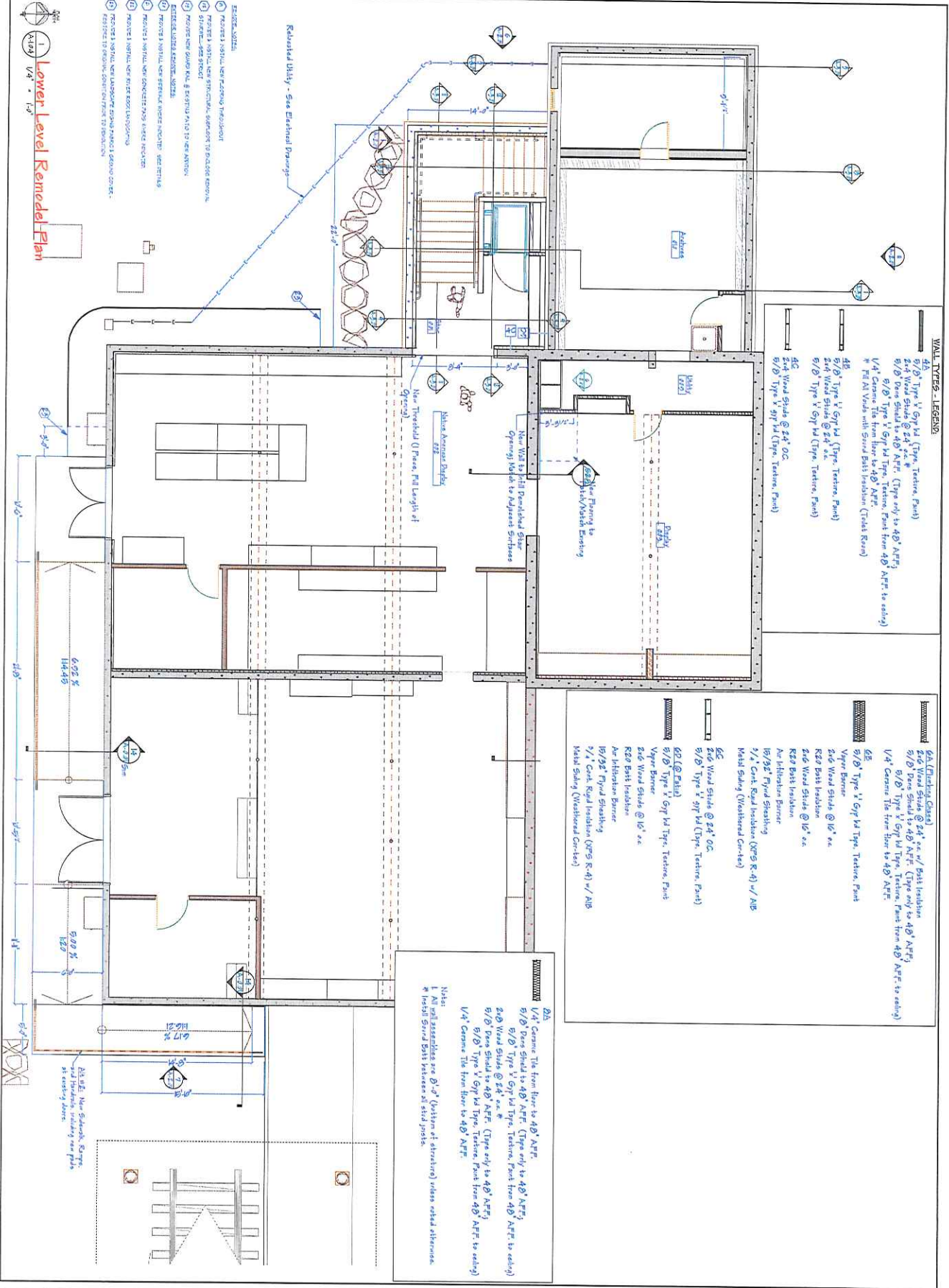
- EXISTING WORK DEMOLITION/REMOVE:**
- 1) REMOVE EXISTING 1989 FORMER WALKS CONCRETE
 - 2) REMOVE EXISTING WALLS INCLUDING 1" TYPICAL ACCESSORIES (GLASS SINK, MIRROR, BOWL, PAPERDISH, TOWEL, DISHWASHER, MIRROR, HOLLOW) CONCRETE
 - 3) REMOVE EXISTING FLOOR, WATERMARK 1 FLOOR CONCRETE
 - 4) REMOVE EXISTING STAIRS, REMAIN AND RECONSTRUCT CONCRETE
 - 5) REMOVE EXISTING ACCESSORS WALLS CONCRETE
 - 6) REMOVE EXISTING LIGHT FIXTURES CONCRETE, SEE 2 DEMOLITION
 - 7) REMOVE EXISTING WALLS, SHED CEILING CONCRETE
 - 8) REMOVE EXISTING FLOOR, FLOORING CONCRETE, SEE DEMOLITION
 - 9) REMOVE EXISTING WALL, REPAIR CONCRETE, SEE DEMOLITION
 - 10) REMOVE EXISTING WALL, REPAIR CONCRETE, SEE DEMOLITION
- REMOVE EXISTING WORK DEMOLITION/REMOVE:**
- 11) REMOVE EXISTING STAIRS, REMAIN AND RECONSTRUCT CONCRETE
 - 12) REMOVE EXISTING WALLS, SHED CEILING CONCRETE, SEE DEMOLITION
 - 13) REMOVE EXISTING FLOOR, FLOORING CONCRETE, SEE DEMOLITION
 - 14) REMOVE EXISTING WALL, REPAIR CONCRETE, SEE DEMOLITION
 - 15) REMOVE EXISTING WALL, REPAIR CONCRETE, SEE DEMOLITION

SPECTRUM ARCHITECTS

1400 17th Avenue North
Billings, MT 59102
406-248-4443
www.spectrumarch.com

Yellowstone County Museum
Toilet Remodel & Lift Addition
1000 Terminal Circle
Billings Montana

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SHEET 8 OF 21



1 Lower Level Remodel Plan

WALL TYPES - LEGEND:

- 4A Type V 6gfl Typ. Texture, Paint
- 2x4 Wood Studs @ 24" oc
- 6/8 Type V 6gfl Typ. Texture, Paint from 48" AFF to ceiling
- 1/4 Concrete Tile from floor to 48" AFF
- 1/4 Concrete Tile with Stray Ball Insulation (Trash Room)
- 4B Type V 6gfl Typ. Texture, Paint
- 2x4 Wood Studs @ 24" oc
- 6/8 Type V 6gfl Typ. Texture, Paint
- 6/8 Type V 6gfl Typ. Texture, Paint
- 6/8 Type V 6gfl Typ. Texture, Paint
- 6/8 Type V 6gfl Typ. Texture, Paint

6A (Finishing Glass)

- 2x6 Wood Studs @ 24" oc w/ Batt Insulation
- 6/8 Type V 6gfl Typ. Texture, Paint from 48" AFF to ceiling
- 1/4 Concrete Tile from floor to 48" AFF

6B

- 6/8 Type V 6gfl Typ. Texture, Paint
- Vapor Barrier
- 2x6 Wood Studs @ 16" oc
- R20 Batt Insulation
- 2x6 Wood Studs @ 16" oc
- R20 Batt Insulation
- Ac Insulation Barrier
- 15/32" Plywood Sheathing
- 1/2" Cont. Rigid Insulation (R-5 R-4) w/ ABS Metal Siding (Weathered Concrete)

6C

- 2x6 Wood Studs @ 24" oc
- 6/8 Type V 6gfl Typ. Texture, Paint

6D (Cabin)

- 6/8 Type V 6gfl Typ. Texture, Paint
- Vapor Barrier
- 2x6 Wood Studs @ 12" oc
- R20 Batt Insulation
- Ac Insulation Barrier
- 15/32" Plywood Sheathing
- 1/4 Cont. Rigid Insulation (R-5 R-4) w/ ABS Metal Siding (Weathered Concrete)

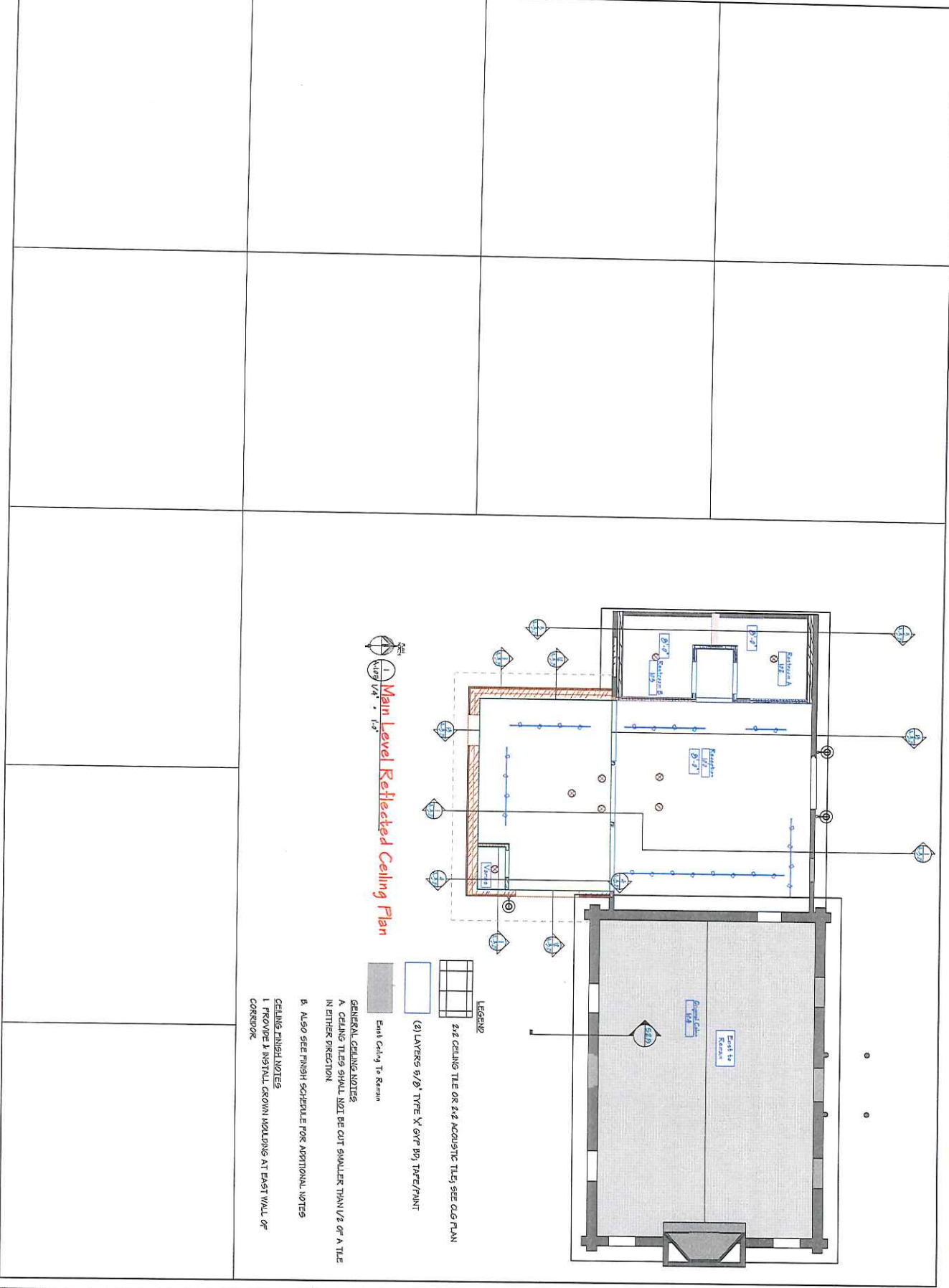
6A

- 1/4 Concrete Tile from floor to 48" AFF
- 6/8 Type V 6gfl Typ. Texture, Paint from 48" AFF to ceiling
- 6/8 Type V 6gfl Typ. Texture, Paint from 48" AFF to ceiling
- 2x4 Wood Studs @ 24" oc
- 6/8 Type V 6gfl Typ. Texture, Paint from 48" AFF to ceiling
- 1/4 Concrete Tile from floor to 48" AFF

Notes:

- All wall assemblies are 8"-12" (system of structure) unless noted otherwise.
- Install Sound Batt between all stud joints.

<p>PROJECT INFORMATION</p> <p>PROJECT NO: 2410</p> <p>DATE: 11/09/24</p> <p>DRAWN BY: [Signature]</p> <p>CHECKED BY: [Signature]</p> <p>DATE: 11/09/24</p>	<p>CLIENT</p> <p>Yellowstone County Museum</p> <p>Toilet Remodel & Lift Addition</p> <p>1050 Terminal Circle</p> <p>Billings, Montana</p>	<p>ARCHITECT</p> <p>SPECTRUM GROUP ARCHITECTS</p> <p>300 N. 20th St.</p> <p>Billings, MT 59102</p> <p>PH: 406-243-4443</p> <p>FX: 406-243-4111</p> <p>WWW.SPECTRUMARCHITECTS.COM</p>	<p>DATE</p> <p>11/09/24</p>	<p>SHEET</p> <p>A-104</p> <p>SHEET 1 OF 21</p>
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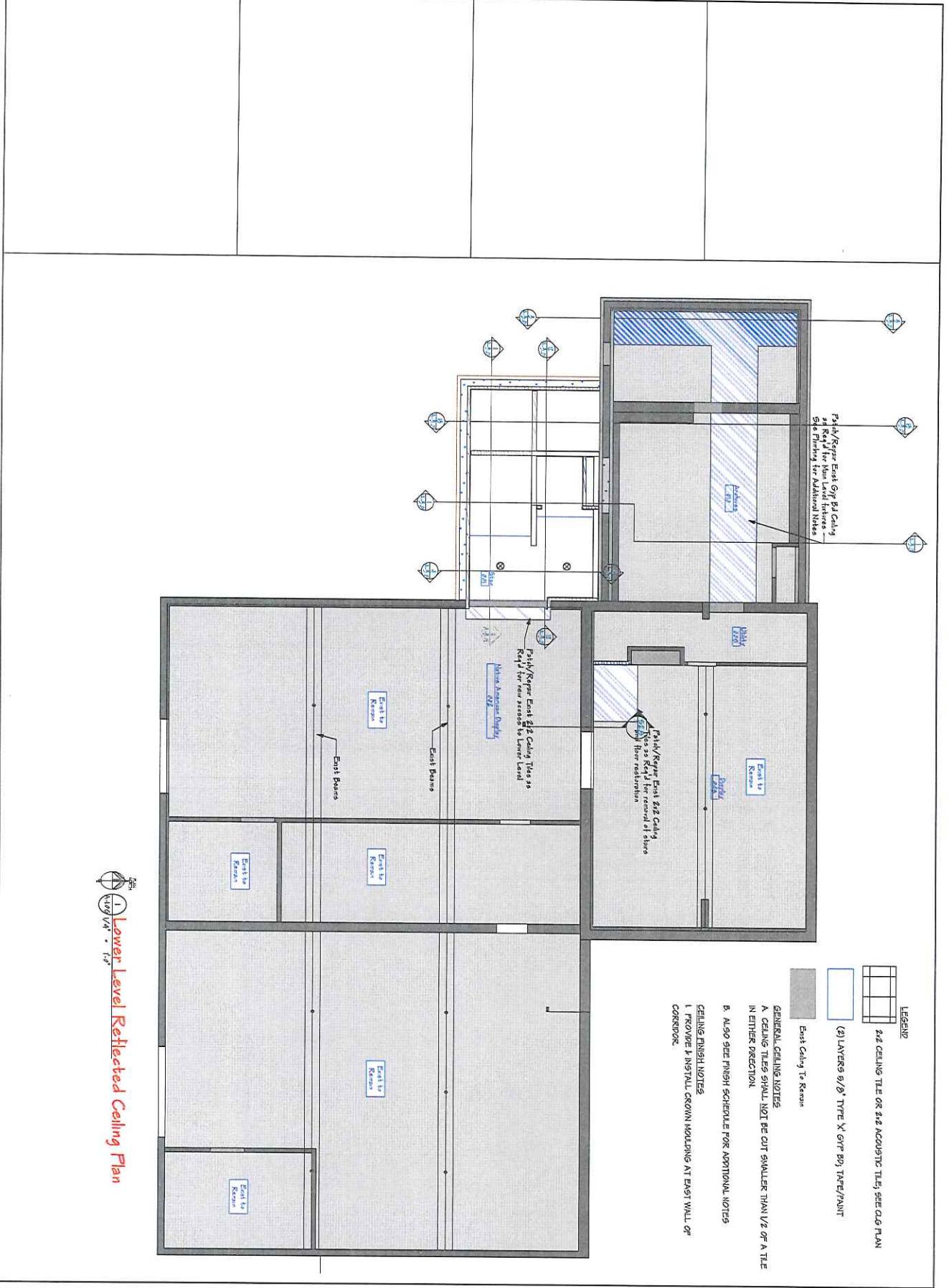


1 Main Level Rethrofit Ceiling Plan
 1/8" = 1'-0"

GENERAL CEILING NOTES
 A. CEILING TILES SHALL NOT BE CUT SMALLER THAN 1/2 OF A TILE IN EITHER DIRECTION.
 B. ALSO SEE FINISH SCHEDULE FOR ADDITIONAL NOTES.
CEILING FINISH/NOTES
 1. PROVIDE & INSTALL CROWN MOULDING AT EAST WALL OF CORRIDOR.

- LEGEND**
 3/8" CEILING TILE OR 3/8" ACQUISITE TILES, SEE OLG PLAN
 (2) LAYERS 5/8" TYPE X GYP BOY TAPE/PANIT
 East Ceiling To Remain

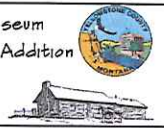
<p> Yellowstone County Museum Toilet Remodel & Lift Addition 1050 Terminal Circle Billings Montana </p>		JOB # 2401
		REVIEWED BY: JCS DATE: 11/08/24 DRAWN BY: JCS DATE: 11/08/24
	SPECTRUM GROUP ARCHITECTS PC P.O. BOX 33537 BILLINGS MT 59103 406-248-4443 FAX 406-248-4418 WWW.SPECTRUM.COM	PROJECT: 2401 SHEET: A-1.05 DATE: 11/08/24



Lower Level Reflected Ceiling Plan

LEGEND
 2x2 CEILING TILE OR 2x2 ACOUSTIC TILES; SEE CAG PLAN
 (2) LAYERS 8/8" TYPE 'X' GYR BOY TAPER/PAINT
 East Ceiling to Remain
 East Ceiling to Remove

GENERAL CEILING NOTES
 A. CEILING TILES SHALL NOT BE CUT SMALLER THAN 1/2 OF A TILE IN EITHER DIRECTION.
 B. ALSO SEE FINISH SCHEDULE FOR ADDITIONAL NOTES
CEILING FINISH NOTES
 1. PROVIDE 1" INSTALL CROWN MOLDING AT EAST WALL OF CORRIDOR.



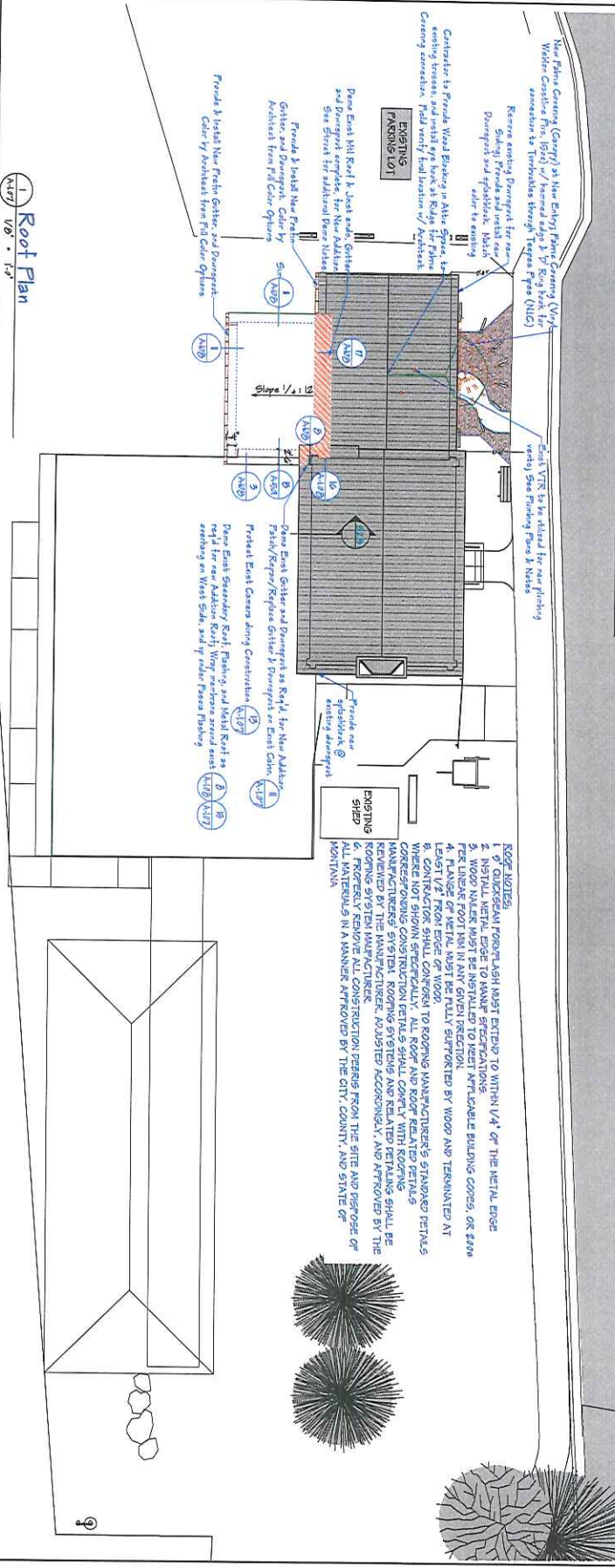
Yellowstone County Museum
 Toilet Remodel & Lift Addition
 1050 Terminal Circle
 Billings Montana



SPECTRUM ARCHITECTS
 ARCHITECTS PC
 P.O. BOX 21933
 BILLINGS, MT 59124
 406-248-4444
 FAX 406-248-4118
 WWW.SPECT.COM

Lower Level Reflected Ceiling Plan
 A-106
 SHEET 9 OF 21

RESERVE GARAGE



1 Roof Plan
1/8" = 1'-0"

1B **1/8" = 1'-0"** **NOT TO SCALE**

Remove east Roof Gutter as Req'd for new Roof. Why? In a Water Shield and new Membrane Roof for beneath existing and extend below roof edge.

Remove and Replace east gutter & downspout. Secondary Roof @ Original Chimney Remove as Req'd for Membrane Flashing and Gutter as Req'd for New Roof System.

Original Chimney Roof's Flashing. Protect east eaves during construction.

Relocate East Gutters for new Addition.

1B **1/8" = 1'-0"** **NOT TO SCALE**

Existing Soffits

Remove East Gutter and Downspout as Req'd for New Addition. Flashing/Repair/Replace Gutter & Downspout on East Chimney. Protect East Eaves during Construction.

Remove East Gutter and Downspout as Req'd for New Addition. Flashing/Repair/Replace Gutter & Downspout on East Chimney. Protect East Eaves during Construction.

Relocate East Gutter from Addition to Extend to East Siding of Chimney. New Membrane Roof as Addition to Extend to East Siding of Chimney.

Relocate East Gutter from Addition to Extend to East Siding of Chimney. New Membrane Roof as Addition to Extend to East Siding of Chimney.

1B **1/8" = 1'-0"** **NOT TO SCALE**

Chimney Soffits @ Green

Remove East Gutter and Downspout as Req'd for New Addition. Flashing/Repair/Replace Gutter & Downspout on East Chimney. Protect East Eaves during Construction.

Relocate East Gutter from Addition to Extend to East Siding of Chimney. New Membrane Roof as Addition to Extend to East Siding of Chimney.

1B **1/8" = 1'-0"** **NOT TO SCALE**

Ending Soffits

Remove East Gutter and Downspout as Req'd for New Addition. Flashing/Repair/Replace Gutter & Downspout on East Chimney. Protect East Eaves during Construction.

Relocate East Gutter from Addition to Extend to East Siding of Chimney. New Membrane Roof as Addition to Extend to East Siding of Chimney.

1B **1/8" = 1'-0"** **NOT TO SCALE**

Chim Soffits @

Remove East Gutter and Downspout as Req'd for New Addition. Flashing/Repair/Replace Gutter & Downspout on East Chimney. Protect East Eaves during Construction.

Relocate East Gutter from Addition to Extend to East Siding of Chimney. New Membrane Roof as Addition to Extend to East Siding of Chimney.

1B **1/8" = 1'-0"** **NOT TO SCALE**

Chim Soffits @

Remove East Gutter and Downspout as Req'd for New Addition. Flashing/Repair/Replace Gutter & Downspout on East Chimney. Protect East Eaves during Construction.

Relocate East Gutter from Addition to Extend to East Siding of Chimney. New Membrane Roof as Addition to Extend to East Siding of Chimney.

1B **1/8" = 1'-0"** **NOT TO SCALE**

Remove east Roof Gutter as Req'd for new Roof. Why? In a Water Shield and new Membrane Roof for beneath existing and extend below roof edge.

Remove and Replace east gutter & downspout. Secondary Roof @ Original Chimney Remove as Req'd for Membrane Flashing and Gutter as Req'd for New Roof System.

Original Chimney Roof's Flashing. Protect east eaves during construction.

Relocate East Gutters for new Addition.

1B **1/8" = 1'-0"** **NOT TO SCALE**

Existing Soffits

Remove East Gutter and Downspout as Req'd for New Addition. Flashing/Repair/Replace Gutter & Downspout on East Chimney. Protect East Eaves during Construction.

Remove East Gutter and Downspout as Req'd for New Addition. Flashing/Repair/Replace Gutter & Downspout on East Chimney. Protect East Eaves during Construction.

Relocate East Gutter from Addition to Extend to East Siding of Chimney. New Membrane Roof as Addition to Extend to East Siding of Chimney.

1B **1/8" = 1'-0"** **NOT TO SCALE**

Chimney Soffits @ Green

Remove East Gutter and Downspout as Req'd for New Addition. Flashing/Repair/Replace Gutter & Downspout on East Chimney. Protect East Eaves during Construction.

Relocate East Gutter from Addition to Extend to East Siding of Chimney. New Membrane Roof as Addition to Extend to East Siding of Chimney.

1B **1/8" = 1'-0"** **NOT TO SCALE**

Ending Soffits

Remove East Gutter and Downspout as Req'd for New Addition. Flashing/Repair/Replace Gutter & Downspout on East Chimney. Protect East Eaves during Construction.

Relocate East Gutter from Addition to Extend to East Siding of Chimney. New Membrane Roof as Addition to Extend to East Siding of Chimney.

1B **1/8" = 1'-0"** **NOT TO SCALE**

Chim Soffits @

Remove East Gutter and Downspout as Req'd for New Addition. Flashing/Repair/Replace Gutter & Downspout on East Chimney. Protect East Eaves during Construction.

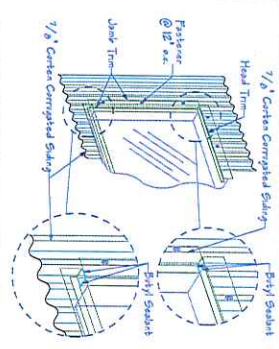
Relocate East Gutter from Addition to Extend to East Siding of Chimney. New Membrane Roof as Addition to Extend to East Siding of Chimney.

1B **1/8" = 1'-0"** **NOT TO SCALE**

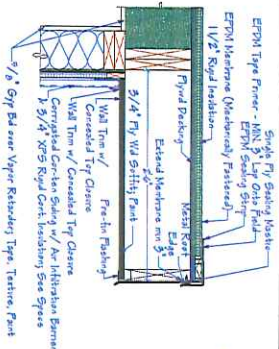
Chim Soffits @

Remove East Gutter and Downspout as Req'd for New Addition. Flashing/Repair/Replace Gutter & Downspout on East Chimney. Protect East Eaves during Construction.

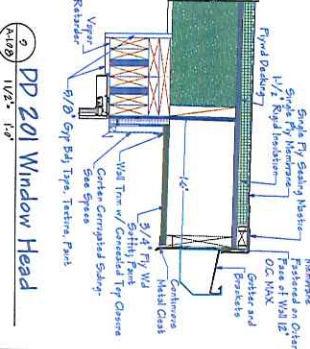
Relocate East Gutter from Addition to Extend to East Siding of Chimney. New Membrane Roof as Addition to Extend to East Siding of Chimney.



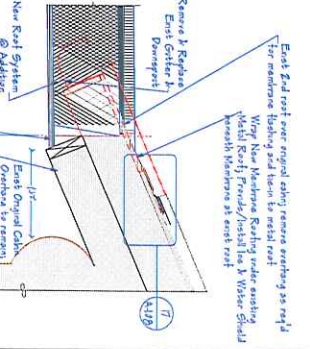
4 DP 203 Window Elevation
 1/2" x 1"



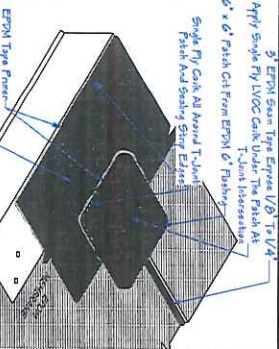
5 RD 04 Roof Dtl
 1/2" x 1"



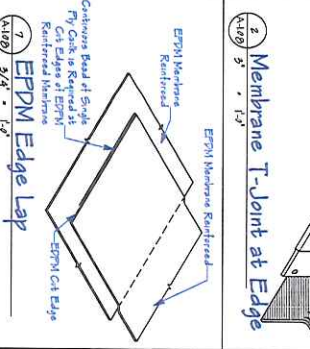
6 DP 201 Window Head
 1/2" x 1"



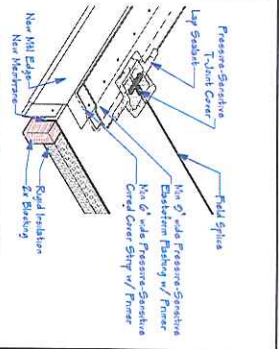
7 RD 07 Roof Dtl
 1/2" x 1"



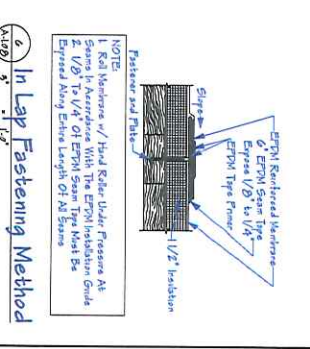
8 Membrane T-Joint at Edge
 3/4" x 1"



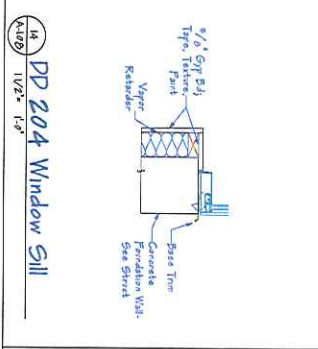
9 EPDM Edge Lap
 3/4" x 1"



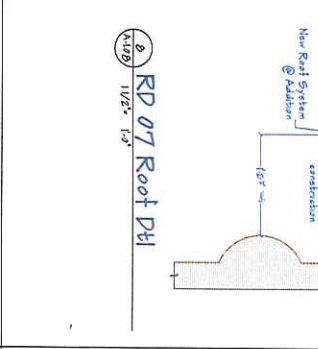
10 Edge Sealant Dtl
 1/2" x 1"



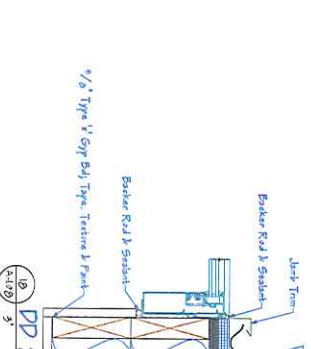
11 In Lap Fastening Method
 1/2" x 1"



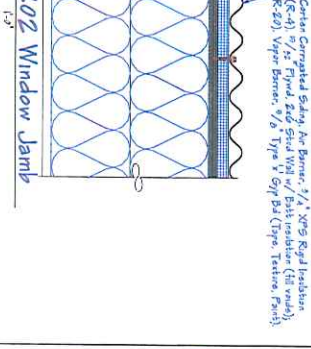
12 DP 204 Window Sill
 1/2" x 1"



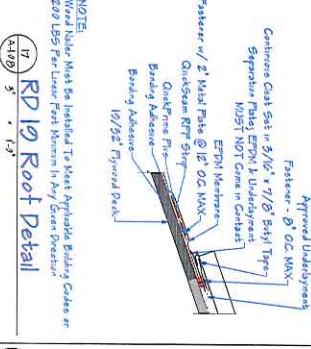
13 RD 02 Roof Dtl
 1/2" x 1"



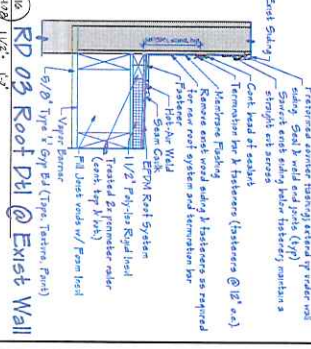
14 DP 202 Window Jamb
 3/4" x 1"



15 RD 10 Roof Detail
 3/4" x 1"



16 RD 03 Roof Dtl @ Exist Wall
 1/2" x 1"



17 RD 07 Roof Dtl
 1/2" x 1"

SHEET 1 OF 21
 PROJECT NO: 2024-001
 DATE: 11/08/24
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]

**Yellowstone County Museum
 Toilet Remodel & Lift Addition**
 1050 Terminal Circle
 Billings Montana

SPECTRUM GROUP ARCHITECTS
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 WWW.SPECTRUMGROUP.COM

A-108
 SHEET 1 OF 21