TOWN OF JACKSON
PLANNING & BUILDING DEPARTMENT

TRANSMITTAL MEMO

Town of Jackson
- ☒ Public Works/Engineering
- ☒ Building
- ☐ Title Company
- ☒ Town Attorney
- ☒ Police

Joint Town/County
- ☒ Parks and Recreation
- ☒ Pathways
- ☒ Housing Department

Teton County
- ☐ Planning Division
- ☐ Engineer
- ☐ Surveyor- *Nelson*
- ☐ Assessor
- ☐ Clerk and Recorder
- ☐ Road and Levee

State of Wyoming
- ☐ Teton Conservation
- ☐ WYDOT
- ☐ TC School District #1
- ☐ Game and Fish
- ☐ DEQ

Federal Agencies
- ☐ Army Corp of Engineers

Utility Providers
- ☐ Qwest
- ☐ Lower Valley Energy
- ☐ Bresnan Communications

Special Districts
- ☒ START
- ☒ Jackson Hole Fire/EMS
- ☐ Irrigation Company

Date: June 28, 2021

Item #: P21-203

Planner: Paul Anthony

Phone: 733-0440 ext. 1303

Email: panthony@jacksonwy.gov

Owner:
Jackson Hole Historical Society & Museum
PO Box 1005
Jackson, WY 83001

Applicant:
Json Berning – Berning Prop. Mgt
PO Box 485
Victor, ID 83455

REQUESTS:

The applicant is submitting a request for a Pre-Application Conference for a Development Plan for the property located at 175 E. Broadway Ave., legally known as LOT 6, GENEVIEVE BLOCK ADDITION, PIDN: 22-41-16-27-3-35-006

For questions, please call Paul Anthony at 307-733-0440, x1303 or email to the address shown to the left. Thank you.

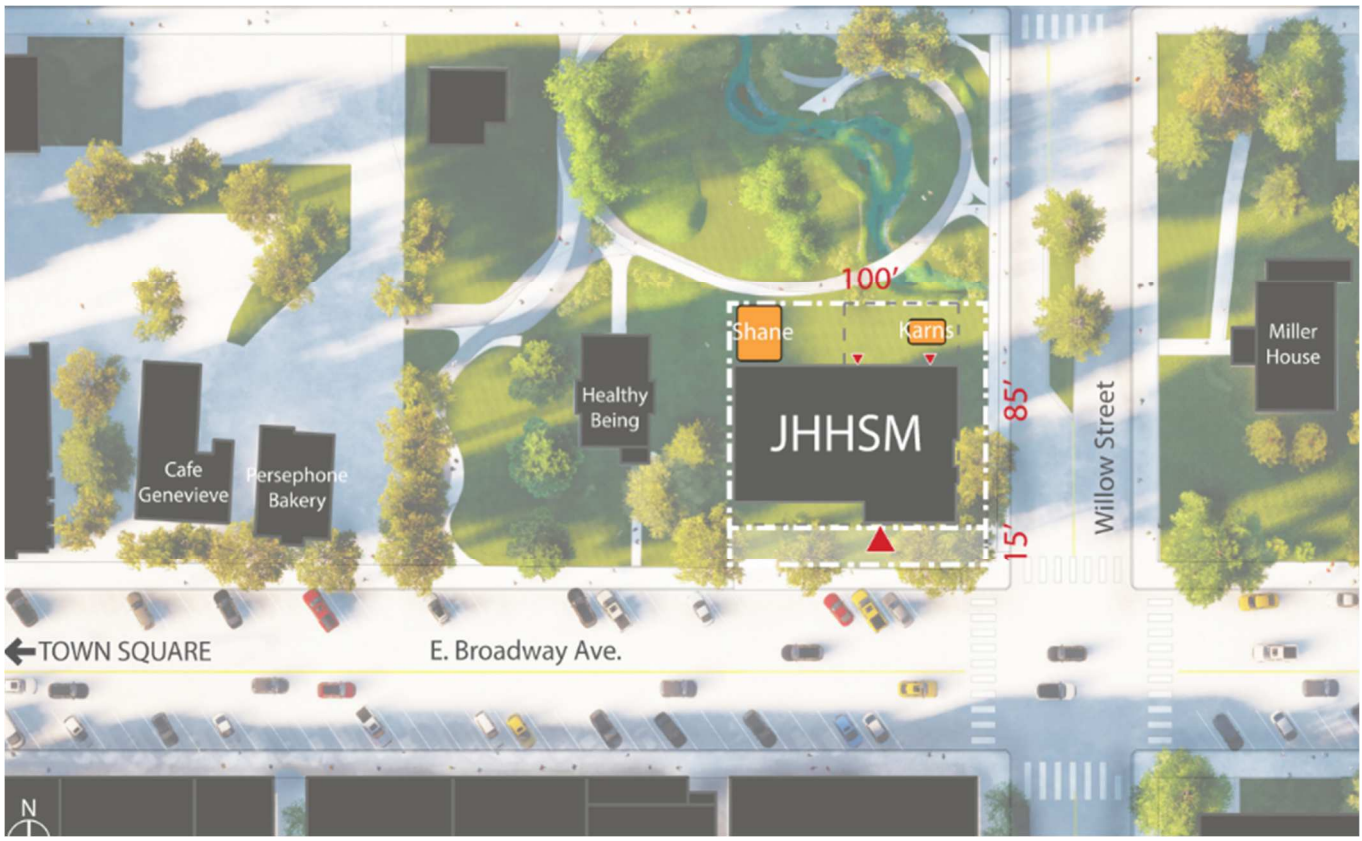
Please respond by: August 18, 2021 (with Comments)

RESPONSE: For Departments not using Trak-it, please send responses via email to:
alangley@jacksonwy.gov

Pre-Application Conference Request (PAP)

Jackson Hole Historical Society and Museum
175 E. Broadway
Jackson, Wyoming 83001

July 20, 2021



JACKSON HOLE HISTORICAL SOCIETY & MUSEUM

www.jacksonholehistory.org
PO Box 1005
Jackson, WY 83001

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SCHEMATIC DESIGN DRAWINGS

SCHEMATIC DESIGN NARRATIVE

SCHEMATIC DESIGN CONSTRUCTION MANAGEMENT & LOGISTICS PLAN

PRE-APPLICATION CONFERENCE REQUEST (PAP)

Planning & Building Department

150 E Pearl Ave.
P.O. Box 1687
Jackson, WY 83001

ph: (307) 733-0440 fax:
www.townofjackson.com

For Office Use Only

Fees Paid_____ Time & Date Received _____

Application # _____ _____

Please note: *Applications received after 3 PM will be process the next business day.*

APPLICABILITY. *This application should be used when applying for a* ***Pre-application Conference.*** *The purpose of the pre-application conference is to identify the standards and procedures of these LDRs that would apply to a potential application prior to preparation of the final proposal and to identify the submittal requirements for the application.*

For additional information go to www.townofjackson.com/204/Pre-Application

PROJECT.

Name/Description: Jackson Hole Historical Society & Museum

Physical Address: 175 E Broadway

Lot, Subdivision: Lot 6, Genevieve Block Addition PIDN: 22-41-16-27-3-35-006

PROPERTY OWNER.

Name: Jackson Hole Historical Society & Museum Phone: 307-733-2414

Mailing Address: PO Box 1005, Jackson, WY ZIP: 83001

E-mail: Executive Director, Morgan Jaouen - morgan@jacksonholehistory.org

APPLICANT/AGENT.

Name, Agency: Jason Berning, Berning Project Management Phone: 307-699-3733

Mailing Address: PO Box 485, Victor, ID ZIP: 83455

E-mail: berningpm@gmail.com

DESIGNATED PRIMARY CONTACT.

_____ Property Owner x _____ Applicant/Agent

ENVIRONMENTAL PROFESSIONAL. *For EA pre-application conferences, a qualified environmental consultant is required to attend the pre-application conference. Please see Subsection 8.2.2.C, Professional Preparation, of the Land Development Regulations, for more information on this requirement. Please provide contact information for the Environmental Consultant if different from Agent.*

Name, Agency: _____ Phone: _____

Mailing Address: _____ ZIP: _____

E-mail: _____

TYPES OF PRE-APPLICATION NEEDED. *Check all that apply; see Section 8.1.2 of the LDRs for a description of review process types.*

x Physical Development Permit
_____ Use Permit
_____ Development Option or Subdivision Permit
_____ Interpretations of the LDRs
_____ Amendments to the LDRs
_____ Relief from the LDRs
_____ Environmental Analysis

This pre-application conference is:
x Required
_____ Optional
_____ For an Environmental Analysis
_____ For grading

SUBMITTAL REQUIREMENTS. *Please ensure all submittal requirements are included. The Planning Department will not hold or process incomplete applications. Provide* ***one electronic copy*** *(via email to tstolte@jacksonwy.gov) of the submittal packet.*

Have you attached the following?

x **Application Fee.** Go to www.townofjackson.com/204/Pre-Application.com for the fees.

x **Notarized Letter of Authorization.** A notarized letter of consent from the landowner is required if the applicant is not the owner, or if an agent is applying on behalf of the landowner. Please see the Letter of Authorization template at www.townofjackson.com/DocumentCenter/View/102/Town-Fee-Schedule-PDF.

x **Narrative Project Description.** Please attach a short narrative description of the project that addresses:
- x Existing property conditions (buildings, uses, natural resources, etc)
- x Character and magnitude of proposed physical development or use
- _____ Intended development options or subdivision proposal (if applicable)
- _____ Proposed amendments to the LDRs (if applicable)

x **Conceptual Site Plan.** For pre-application conferences for physical development, use or development option permits, a conceptual site plan is required. For pre-application conferences for interpretations of the LDRs, amendments to the LDRs, or relief from the LDRs, a site plan may or may not be necessary. Contact the Planning Department for assistance. If required, please attach a conceptual site plan that depicts:
- x Property boundaries
- x Existing and proposed physical development and the location of any uses not requiring physical development
- x Proposed parcel or lot lines (if applicable)
- x Locations of any natural resources, access, utilities, etc that may be discussed during the pre-application conference

_____ **Grading Information (REQUIRED ONLY FOR GRADING PRE-APPS).** Please include a site survey with topography at 2-foot contour intervals and indicate any areas with slopes greater than 25% (or 30% if in the NC Zoning District), as well as proposed finished grade. If any areas of steep slopes are man-made, please identify these areas on the site plan.

x **Other Pertinent Information.** Attach any additional information that may help Staff in preparing for the pre-app or identifying possible key issues.

Under penalty of perjury, I hereby certify that I have read this application and state that, to the best of my knowledge, all information submitted in this request is true and correct. I agree to comply with all county and state laws relating to the subject matter of this application, and hereby authorize representatives of Teton County to enter upon the above-mentioned property during normal business hours, after making a reasonable effort to contact the owner/applicant prior to entering.

Signature of Owner or Authorized Applicant/Agent	7/20/21 Date
Jason Berning Name Printed	Owner's Representative / Project Manager Title

LETTER OF AUTHORIZATION

Jackson Hole Historical Society and Museum ,"Owner" whose address is: PO Box 1005
Jackson, WY 83001

(NAME OF ALL INDIVIDUALS OR ENTITY OWNING THE PROPERTY)

_____, as the owner of property

more specifically legally described as: _____

22-41-16-27-3-35-006 - Lot 6 Plat 001412 - Genevieve Block Addition

(If too lengthy, attach description)

HEREBY AUTHORIZES Jason Beming **as agent to represent and act for Owner in making application for and receiving and accepting on Owners behalf, any permits or other action by the Town of Jackson, or the Town of Jackson Planning, Building, Engineering and/or Environmental Health Departments relating to the modification, development, planning or replatting, improvement, use or occupancy of land in the Town of Jackson. Owner agrees that Owner is or shall be deemed conclusively to be fully aware of and to have authorized and/or made any and all representations or promises contained in said application or any Owner information in support thereof, and shall be deemed to be aware of and to have authorized any subsequent revisions, corrections or modifications to such materials. Owner acknowledges and agrees that Owner shall be bound and shall abide by the written terms or conditions of issuance of any such named representative, whether actually delivered to Owner or not. Owner agrees that no modification, development, platting or replatting, improvement, occupancy or use of any structure or land involved in the application shall take place until approved by the appropriate official of the Town of Jackson, in accordance with applicable codes and regulations. Owner agrees to pay any fines and be liable for any other penalties arising out of the failure to comply with the terms of any permit or arising out of any violation of the applicable laws, codes or regulations applicable to the action sought to be permitted by the application authorized herein.**

Under penalty of perjury, the undersigned swears that the foregoing is true and, if signing on behalf of a corporation, partnership, limited liability company or other entity, the undersigned swears that this authorization is given with the appropriate approval of such entity, if required.

OWNER: Morgan A. Grover

(SIGNATURE) (SIGNATURE OF CO-OWNER)

Title: Executive Director Jackson Hole Historical Society & Museum

(if signed by officer, partner or member of corporation, LLC (secretary or corporate owner) partnership or other non-individual Owner)

STATE OF Wyoming)
)SS.
COUNTY OF Teton)

The foregoing instrument was acknowledged before me by June this 22nd day of _____, 2021.

WITNESS my hand and official seal.

(Seal)

(Notary Public)

My commission expires:

HUGH J. O'HALLORAN – NOTARY PUBLIC
COUNTY OF TETON
STATE OF WYOMING
MY COMMISSION EXPIRES AUGUST 10, 2023

July 20, 2021

Paul Anthony
Planning Director, Jackson Planning Department
150 E Pearl Ave / P.O. Box 1687
Jackson, WY 83001

RE: Pre-Application Conference – Jackson Hole Historical Society and Museum, 175 E. Broadway

Dear Paul,

Please accept this Pre-Application Conference Request ("PAP") for Jackson Hole Historical Society and Museum ("JHHSM") on 175 East Broadway. The purpose of the PAP is to meet the requirements for Physical Development Permit in advance of submitting for building permit, currently scheduled for early 2022. We also are requesting feedback from the Town of Jackson staff, Town Council, and Design Review Board on the schematic design drawings and narrative. The schematic drawings are not set in stone. The design will be evolving in parallel with community feedback, updated construction cost estimates and fundraising. The following materials propose a development of a new Museum utilizing current Town of Jackson Land Development Regulations and which honors both the historic and contemporary character of Jackson.

The new JHHSM campus will be a cultural hub with a variety of engaging spaces for history education and community gathering; a place for connection and conversation rooted in the past, present, and future of Jackson Hole. Purchasing this parcel and developing the campus helps create a sustainable future for the organization that is forward-thinking and fun, where JHHSM can pursue purpose-designed and built space and focus on local outreach and the visitor experience.

The JHHSM has made great strides toward designing and building a new Museum on the Genevieve Block – a key site in the history and future of Jackson Hole. JHHSM has secured significant funding sources, including the $4.4 million SPET ballot initiative approved by Teton County voters in 2019, and continues to fundraise to complete the project. We have brought on a stellar project team that consists of HGA, Prospect Studio, Nelson Engineering, Gallagher & Associates, Aufderheide Construction Management, Michelle Pacifico, and Berning Project Management. The building and exhibit design responds to ongoing community engagement outreach including online surveys and

JACKSON HOLE HISTORICAL SOCIETY & MUSEUM

BPM
BERNING PROJECT MANAGEMENT

community stakeholder meetings. Adjacent neighbors to the north and west have reviewed and provided comments to the museum design and construction management plan. JHHSM will continue to reach out to surrounding neighbors in the coming months and public presentations/workshops are scheduled throughout the summer.

As part of the Pre-Application Conference Request, JHHSM requests the following clarifications and confirmations from the Town of Jackson. These requests are based on the most efficient construction schedule and safest logistics while minimizing public impact.

1. Request a waiver of all fees on the project included in Resolution 1998 Fee Waiver for Public Projects.
2. Request to provide 4 additional on-street parking stalls in place of the existing driveway access along Broadway.
3. Request to provide a service and loading drive off Willow Street for public use and JHHSM operations including but not limited to exhibit deliveries, trash pick-up, and disabled visitor drop off.
4. As a 501c3 nonprofit that serves the Jackson Hole community and will work with the town to provide the greatest public benefit possible with this site, JHHSM requests waiver of all other fees not included in Resolution 1998 Fee Waiver for Public Projects with the exception of the required affordable/employee housing mitigation.
5. Request use of the Southeastern portion of the adjacent Town of Jackson Deloney Parking Lot for Construction Staging and Management for a period of 18 months starting as early as Spring of 2022.
6. Request to be on agenda for Design Review Board Meeting on October 13th and Town Council Workshop on October 18th.

We look forward to meeting with you and appreciate your support in reviewing the pre-application documents for JHHSM. If you have any questions, please feel free to reach out to Jason and Morgan as the main point of contacts for JHHSM.

Sincerely,

Jason Berning
Owner's Representative / Project Manager
Berning Project Management

Morgan Jaouen
Executive Director
JH Historical Society& Museum

225 N. Cache Street
PO Box 1005, Jackson, WY 83001
307.733.2414 www.jacksonholehistory.org

2021 Board of Directors

Jim Hunt, President
Don Jaekle, Vice President
Christy Smirl, Secretary
Tom Botts
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Bob McLaurin
Sara Van Genderen
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Marlin Risinger, VP / Treasurer
Bill Best, Past President
Reade Dornan
Doug Henderson
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Sherry Smith

JACKSON HOLE
HISTORICAL SOCIETY & MUSEUM

JACKSON HOLE HISTORICAL SOCIETY & MUSEUM

HGA
420 NORTH 5TH STREET, SUITE 100
MINNEAPOLIS, MINNESOTA 55401
TELEPHONE: 612.758.4000

TOWN OF JACKSON
PRE-APPLICATION SUBMITTAL

HGA project number: 4720-001-00

JUNE 18, 2021

DRAWING INDEX

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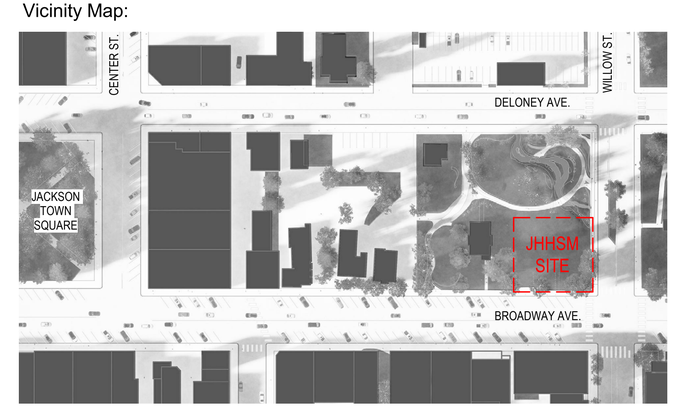
1-GENERAL		
	G000	COVERSHEET
2-CIVIL		
	C101	EXISTING SITE PLAN
	C201	GRADING PLAN
	C301	UTILITY PLAN
3-LANDSCAPE		
	L100	TREE PROTECTION PLAN
	L120	TREE PRESERVATION AND PROTECTION DETAILS
	L200	LANDSCAPE REFERENCE PLAN
	L201	ENLARGED LAYOUT & MATERIALS PLANS
4-ARCHITECTURAL		
	A010	GENERAL NOTES AND SYMBOLS
	A011	GENERAL NOTES AND SYMBOLS
	A012	MATERIAL I.D. CODES
	A013	MATERIAL I.D. CODES
	A200	FLOOR PLAN BASEMENT
	A201	FLOOR PLAN LEVEL 01
	A202	FLOOR PLAN LEVEL 02
	A203	ROOF PLAN
	A260	FLOOR FINISH PLAN BASEMENT
	A261	FLOOR FINISH PLAN LEVEL 01
	A262	FLOOR FINISH PLAN LEVEL 02
	A300	REFLECTED CEILING PLAN BASEMENT

DRAWING INDEX

REV #	NUMBER	SHEET NAME
	A301	REFLECTED CEILING PLAN LEVEL 01
	A302	REFLECTED CEILING PLAN LEVEL 02
	A400	EXTERIOR ELEVATIONS
	A410	BUILDING SECTIONS
	A420	WALL SECTIONS
	A421	WALL SECTIONS ROOF TERRACE
	A460	TYPICAL ROOF, FLOOR, & EXTERIOR WALL TYPES
	A600	TYPICAL MOUNTING HEIGHTS
	A601	TYPICAL MOUNTING HEIGHTS AND ELEVATIONS
	A660	TYPICAL INTERIOR PARTITION TYPES
	A661	TYPICAL PARTITION DETAILS
	A700	DOOR SCHEDULE
	A800	RENDERINGS EXTERIOR WEST & SOUTH
	A801	RENDERINGS EXTERIOR EXHIBITS & ENTRY
	A802	RENDERINGS INTERIOR
	A803	RENDERINGS EXTERIOR NORTH & EAST
8-ELECTRICAL		
	E010	ELECTRICAL ONE-LINE DIAGRAM
	E030	ELECTRICAL SITE PLAN
	E300	POWER PLAN - BASEMENT
	E301	POWER PLAN - LEVEL 01
	E302	POWER PLAN - LEVEL 02
Grand total: 41		

Vicinity Map:



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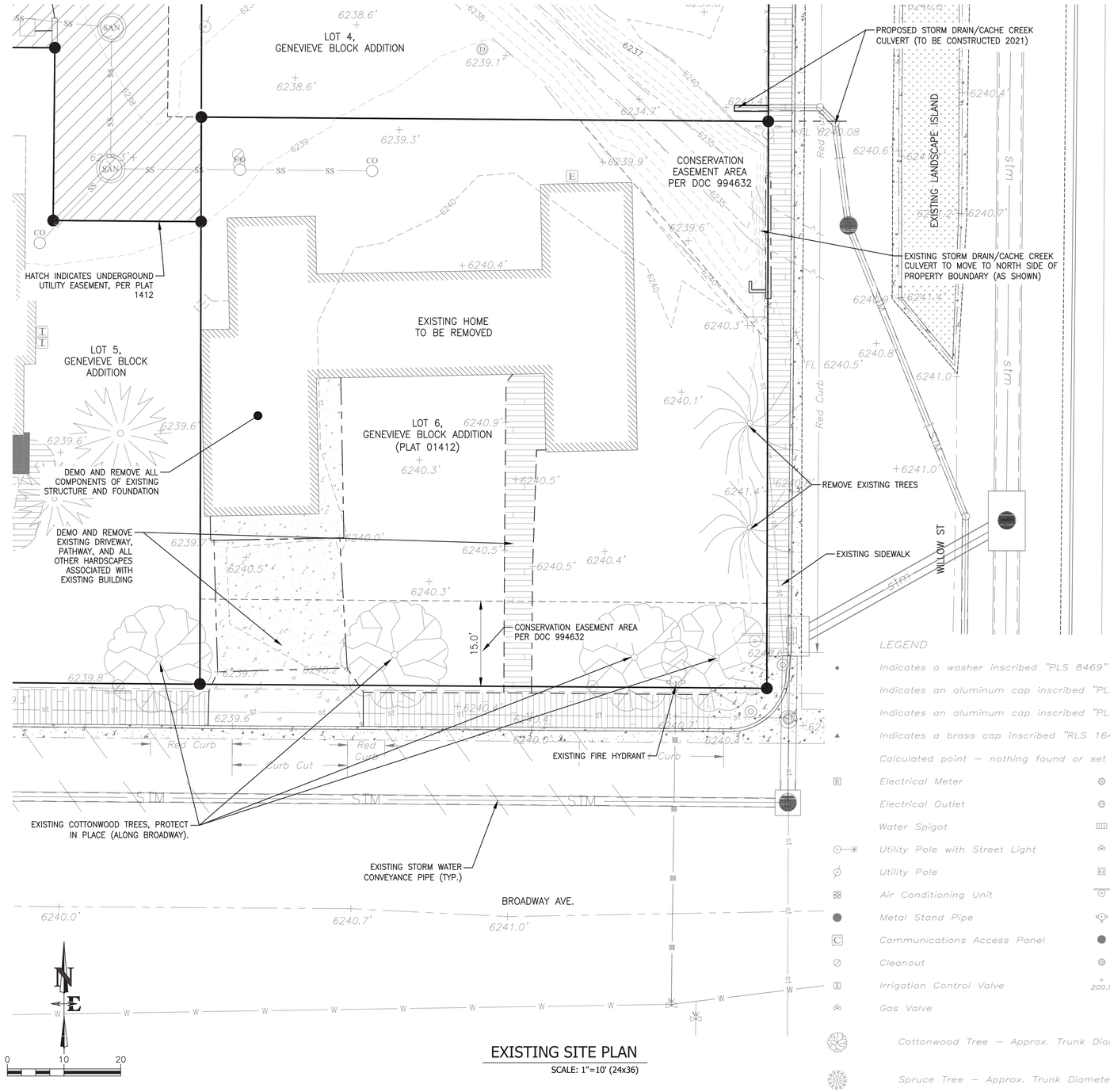

EXISTING SITE PLAN

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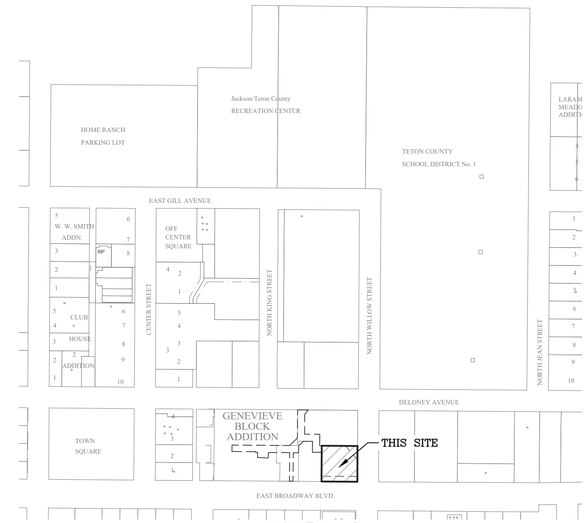

VICINITY MAP
SW1/4SW1/4
SECTION 27
TOWN OF JACKSON
T41N, R116W, 6TH P.M.
TETON COUNTY, WY

0 200 400

LEGEND

- Indicates a washer inscribed "PLS 8469" found this survey
- Indicates an aluminum cap inscribed "PLS 8469" found this survey
- Indicates an aluminum cap inscribed "PLS 16012" found this survey
- Indicates a brass cap inscribed "RLS 164" found this survey
- Calculated point – nothing found or set this survey
- Electrical Meter
- Electrical Outlet
- Water Spigot
- Utility Pole with Street Light
- Utility Pole
- Air Conditioning Unit
- Metal Stand Pipe
- Communications Access Panel
- Cleanout
- Irrigation Control Valve
- Gas Valve
- Sewer Manhole
- Storm Sewer Manhole
- Catch basin
- Water Valve
- Gas Meter
- Street Sign
- Fire Hydrant
- Wooden Post
- Satellite Dish
- 200.5' Spot Elevation
- Cottonwood Tree – Approx. Trunk Diameter Shown
- Spruce Tree – Approx. Trunk Diameter Shown
- Aspen Tree – Approx. Trunk Diameter Shown
- Willow Tree – Approx. Trunk Diameter Shown
- Main Property Boundary
- Adjoining Property Boundary
- Existing Building
- Building on Adjoining Property
- Parking Space Paint Line
- Centerline of Road
- Top of Bank of Cache Creek Ditch
- Edge of Water (May 15, 2019)
- Record Easement
- Fenceline
- Overhead Wire
- Sanitary Sewer Line
- Storm Sewer Line
- Storm Drain
- Edge of Wooden Deck
- Edge of Wooden Wall
- Top Back of Curb
- Flowline – Curb and Ditch
- Building Eave
- Concrete
- Asphalt
- Gravel
- Crushed Stone
- Boardwalk
- Approximate edge of graded road
- Boundary of JHLT Conservation and Green space Easement
- underground electric utility easement for benefit of Town of Jackson
- Limited Service Access and Snow Storage Easement

NOTE:
BASE MAP COMPILED WITH DATA FROM:
–BOUNDARY LINES FROM PLAT BY Y2 CONSULTANTS.
–Y2 IMPROVEMENTS AND LOCATION SURVEY FROM 2019
–GENEVIEVE BLOCK, CAFE G SUBDIVISION INFRASTRUCTURE PROJECT BY DESIGN DRAWINGS BY THE LAND GROUP
–GREEN SPACE PROJECT (LOT 4) DESIGN DATA BY NELSON ENGINEERING (20–085)
–CACHE CREEK TUBE PHASE 2D AND STORM SEWER IMPROVEMENTS (FOR CONSTRUCTION IN 2021) BY JORGENSEN ENG.

HGA
420 North 5th Street, Suite 100
Minneapolis, Minnesota 55401
Telephone 612.758.4000

CIVIL
NELSON ENGINEERING
P.O. BOX 1599
JACKSON, WY 83001
307-733-2087

LANDSCAPE
HGA

STUCTURAL ENGINEER
HGA

MECHANICAL / ELECTRICAL / PLUMBING / FIRE PROTECTION
HGA

LIGHTING
HGA

JACKSON HOLE HISTORICAL SOCIETY & MUSEUM

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4720-001-00

EXISTING SITE PLAN

DATE: JUNE 18, 2021

TOWN OF JACKSON PREAPP SUBMITTAL

C101

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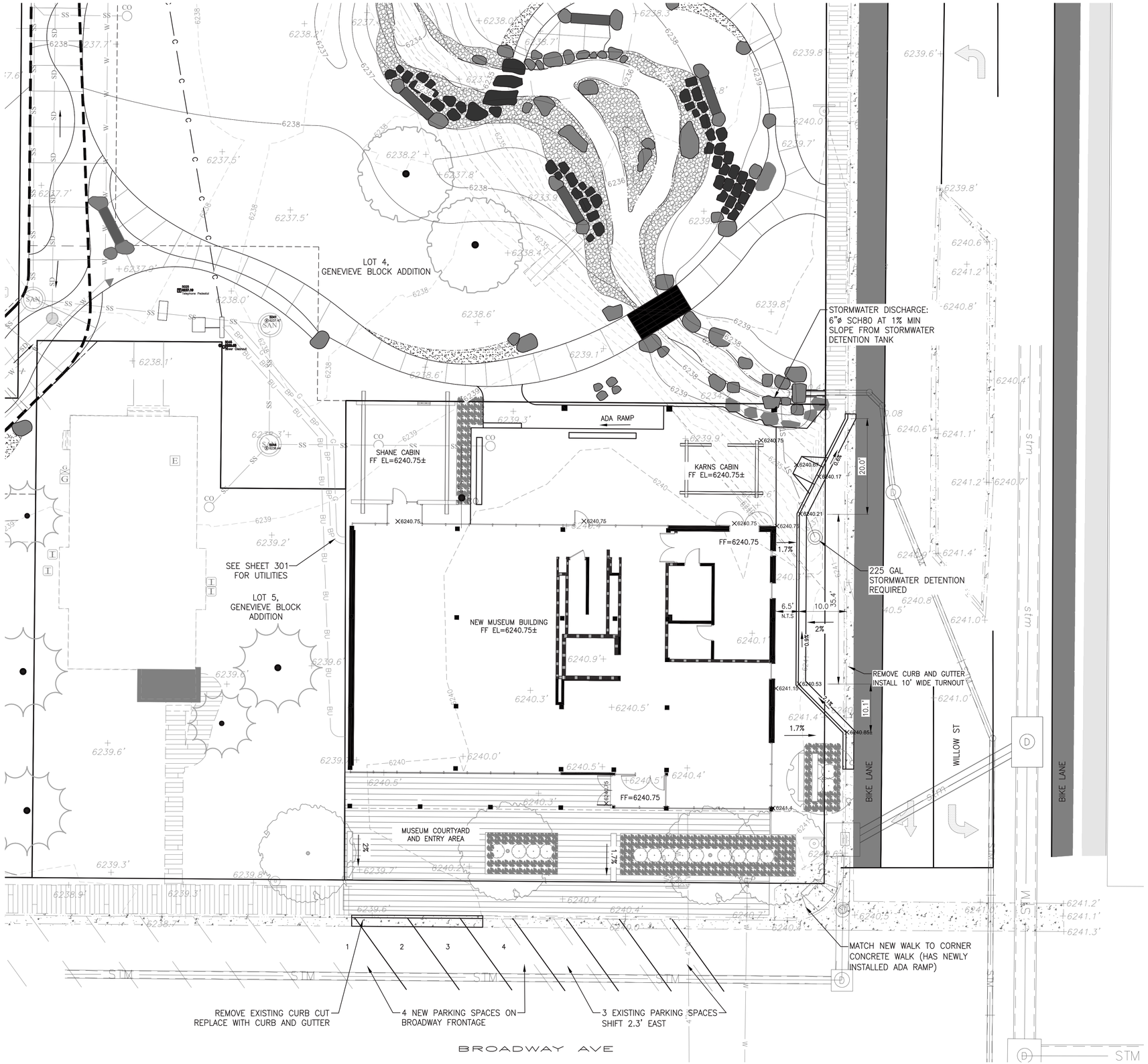

GRADING PLAN
SCALE: 1"=10' (24x36)
0 10 20

HGA

420 North 5th Street, Suite 100
Minneapolis, Minnesota 55401
Telephone 612.758.4000

CIVIL
NELSON ENGINEERING
P.O. BOX 1599
JACKSON, WY 83001
307-733-2087

LANDSCAPE
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STUCTURAL ENGINEER
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LIGHTING
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JACKSON HOLE HISTORICAL SOCIETY & MUSEUM

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4720-001-00

GRADING PLAN

DATE: JUNE 18, 2021

TOWN OF JACKSON PREAPP SUBMITTAL

C201

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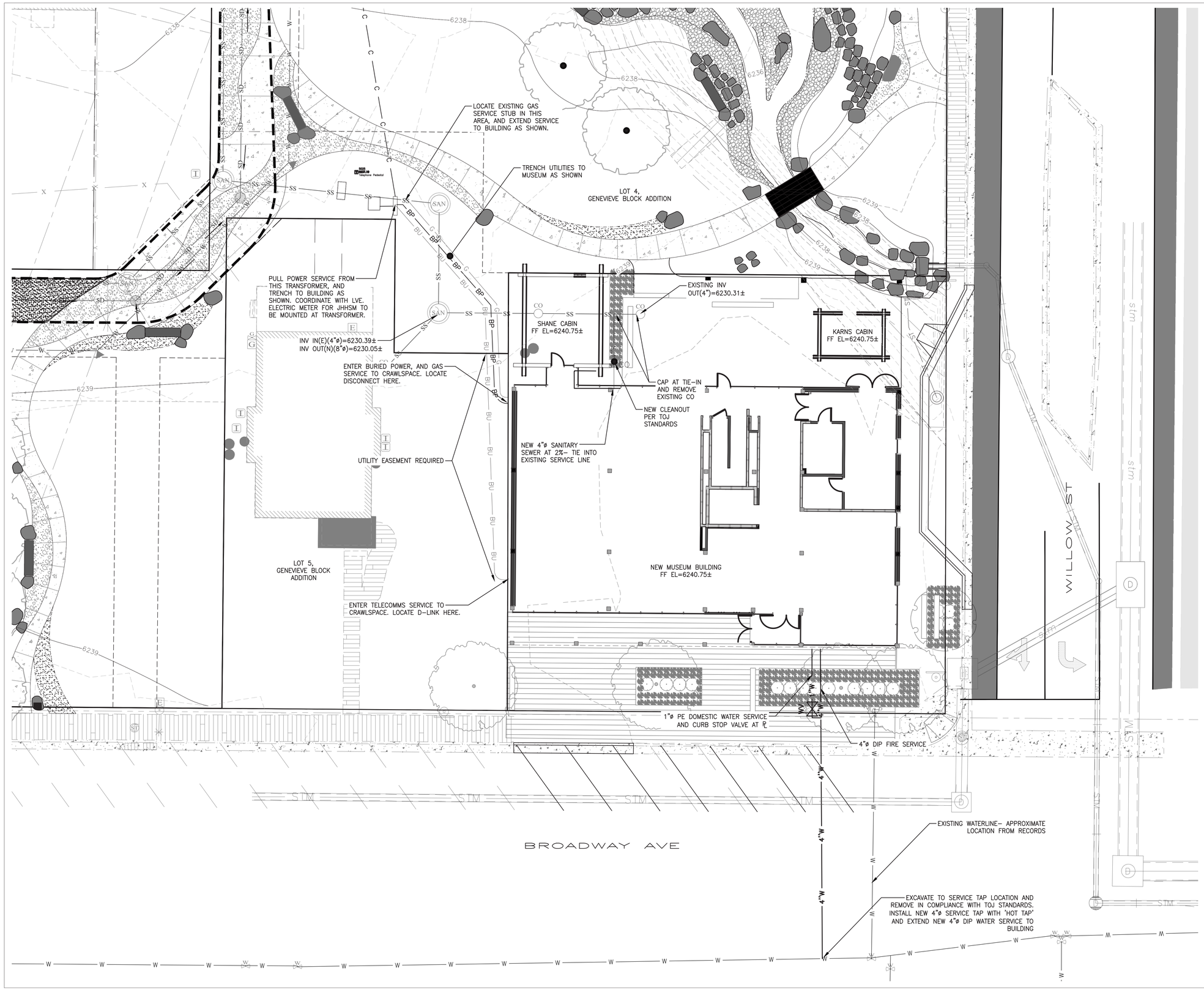

UTILITY PLAN

SCALE: 1"=10' (24x36)

0 10 20

HGA

420 North 5th Street, Suite 100
Minneapolis, Minnesota 55401
Telephone 612.758.4000

CIVIL
NELSON ENGINEERING
P.O. BOX 1599
JACKSON, WY 83001
307-733-2087

LANDSCAPE
HGA

STUCTURAL ENGINEER
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HGA

LIGHTING
HGA

JACKSON HOLE HISTORICAL SOCIETY & MUSEUM

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4720-001-00

UTILITY PLAN

DATE: JUNE 18, 2021

TOWN OF JACKSON PREAPP SUBMITTAL

C301

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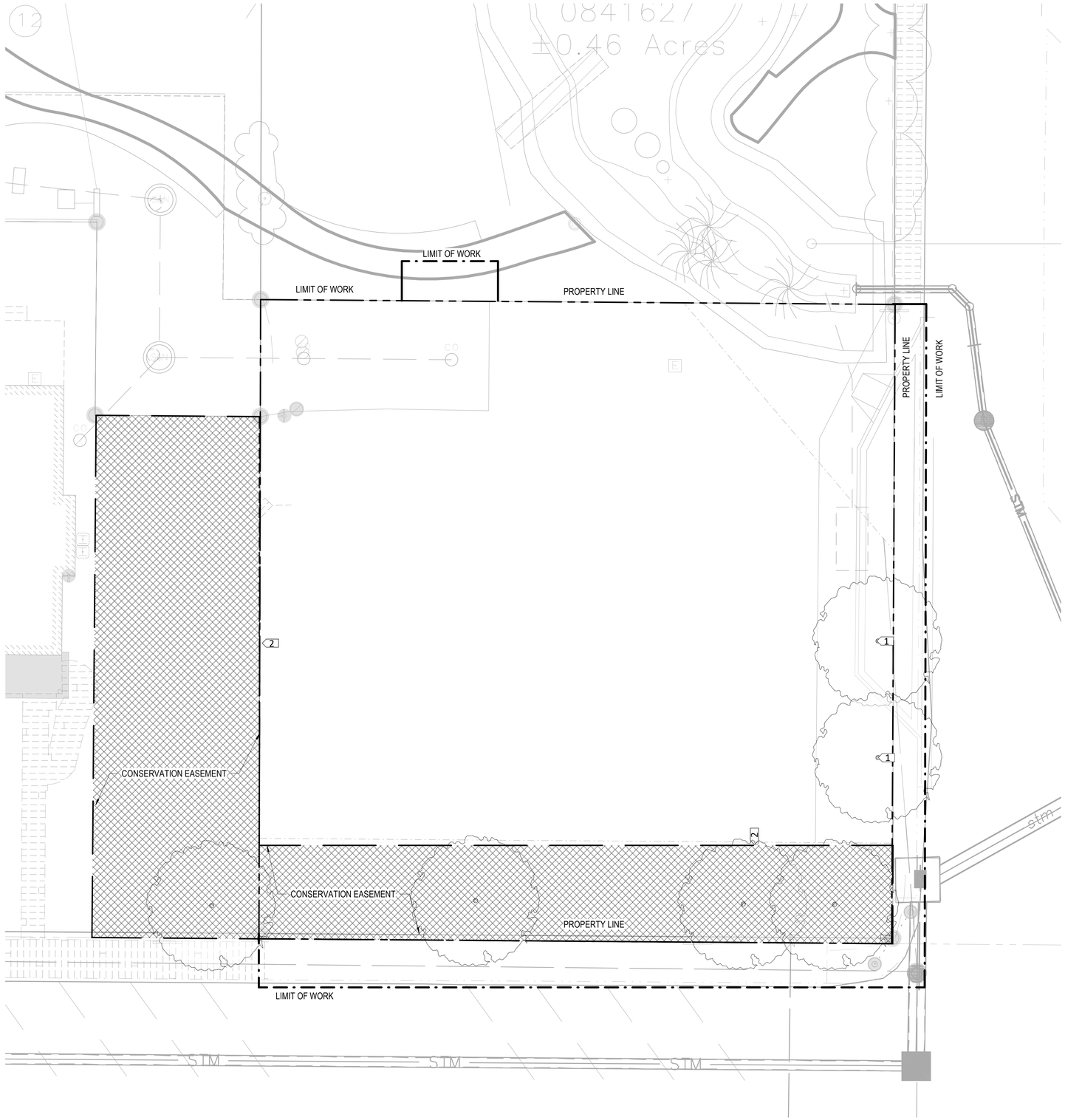

1 OVERALL TREE PROTECTION PLAN
1 : 100

GENERAL NOTES - TREE REMOVAL

ONLY THOSE PERSONS AUTHORIZED BY THE CITY MAY REMOVE ANY TREES FROM PUBLIC LAND. TREES REMOVED FROM ANY PUBLIC LAND INCLUDING CITY, COUNTRY OR STATE RIGHT-OF-WAY SHALL BE REPLACED BY THE PERSON OR ENTITY WHO REMOVED IT.

KEYNOTES - TREE PROTECTION

#	DESCRIPTION
1	TREE TO BE REMOVED
2	TREE PROTECTION FENCING

HGA

420 North 5th Street, Suite 100
Minneapolis, Minnesota 55401
Telephone 612.758.4000

LOCAL ARCHITECT
PROSPECT STUDIO
4030 W LAKE CREEK DRIVE
SUITE 104
P.O. BOX 1870
WILSON, WY 83014
307-264-2600

CIVIL
NELSON ENGINEERING
P.O. BOX 1599
JACKSON, WY 83001
307-733-2087

LANDSCAPE / STRUCTURAL / MECHANICAL / ELECTRICAL / PLUMBING / FIRE PROTECTION / LIGHTING
HGA

JACKSON HOLE HISTORICAL SOCIETY & MUSEUM

NOT FOR CONSTRUCTION

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4720-001-00

TREE PROTECTION PLAN

DATE: JUNE 18, 2021

TOWN OF JACKSON
PRE-APPLICATION SUBMITTAL

L100

6/17/2021 12:04:08 AM C:\Users\labrite\Documents\Revit Local Files\L21-Jackson Hole Historical Society_472000100_labrite.rvt

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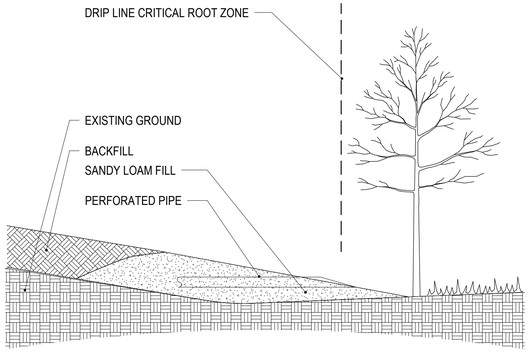
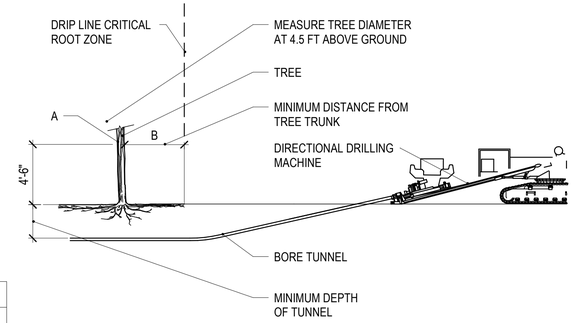


1. ANY FILL REQUIRED IN THE DRIP LINES OF TREES, IS UNCOMPACTED SANDY LOAM TOPSOIL (WITH COARSE SAND COMPONENT).
2. EXCESSIVE FILL MAY REQUIRE INSTALLING PERFORATED PIPE WITH AT LEAST ONE DAYLIGHTED OPENING AS AN AERATION SYSTEM.

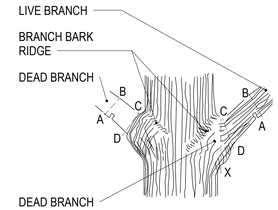
1 TREE PROTECTION: SOIL FILL OVER ROOTS
3/16" = 1'-0"



A	B	C
< 2"	2'	2'
2 - 4"	4'	2.5'
> 4 - 9"	6'	2.5'
> 9 - 14"	10'	3'
> 14 - 19"	12'	3.25'
> 19"	15'	4'

1. (A) IS THE DIAMETER OF TREES MEASURED 4.5 FEET ABOVE THE GROUND AND IS TERMED THE "DIAMETER AT BREAST HEIGHT" (DBH).
2. USING A TREE DIAMETER TAPE, WRAP THE TAPE AROUND THE GIRTH OF THE TREE, AT THE DBH, BEING CAREFUL NOT TO TWIST THE TAPE.

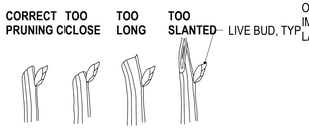
2 TREE PROTECTION: UTILITY CONSTRUCTION
3/16" = 1'-0"



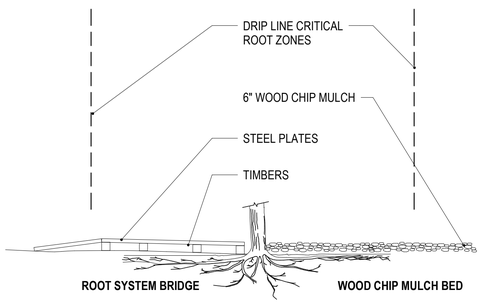
PRUNING SAW PROCEDURES:
1. CUT PART WAY THROUGH THE BRANCH AT POINT A.
2. CUT COMPLETELY THROUGH BRANCH FROM POINT B TO A.
3. AT BRANCH COLLAR CUT FROM POINT C TO D.

INCORRECT CUT FROM POINT C TO X (TOO CLOSE) WILL RESULT IN DISCONTINUOUS CALLUS FORMATION AFTER ONE SEASON OF GROWTH.
CORRECT CUT FROM POINT C TO D (LEAVING BRANCH COLLAR BUT NOT THE STUB FROM POINT B TO A) WILL RESULT IN CONTINUOUS DONUT SHAPED CALLUS FORMATION AFTER ONE SEASON OF GROWTH.

PRUNING NOTES:
1. PRUNE USING CLEAN AND SHARP SCISSOR TYPE PRUNER OR PRUNING SAW.
2. THE BEST TIME TO PRUNE IS LATE DORMANT SEASON OR EARLY SPRING.
3. AVOID PRUNING OAKS IN APRIL, MAY, JUNE OR JULY. IF PRUNING IS NECESSARY OR IF WOUNDS OCCUR TO OAK TREES IN APRIL, MAY, JUNE OR JULY, IMMEDIATELY PAINT CUT SURFACE OR WOUND WITH LATEX PAINT OR SHELLAC.



3 TREE PROTECTION: PRUNING
3/16" = 1'-0"

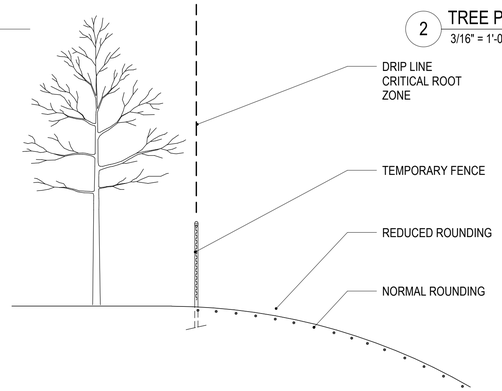


IF CONSTRUCTION VEHICLES MUST TRAVEL OVER ROOT ZONES, THE CONTRACTOR MUST EITHER:
1. CONSTRUCT ROOT SYSTEM BRIDGES WITH STEEL PLATE SUPPORTED ON WOOD TIMBERS PLACED RADIALLY TO THE TREE TRUNK.

OR

2. PLACE A 6" LAYER OF WOOD CHIP MULCH OVER A TYPE III GEOTEXTILE

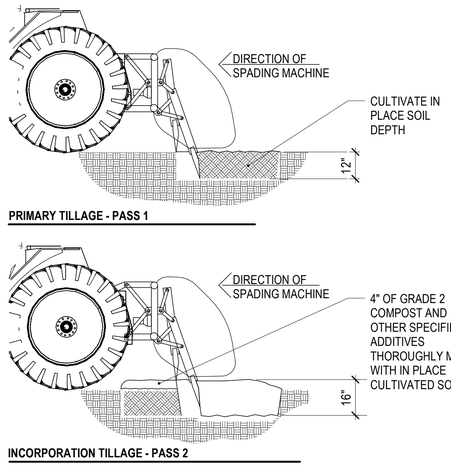
8 TREE PROTECTION: ROOT ZONES
3/16" = 1'-0"



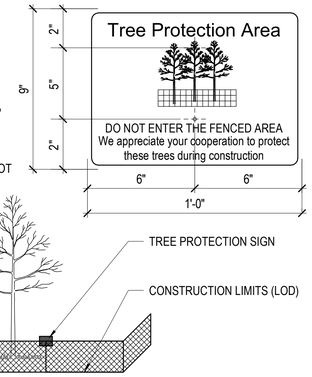
SIGNIFICANT TREES NEAR THE PROPOSED CONSTRUCTION LIMITS WILL BE IDENTIFIED ON THE PLAN OR BY THE LANDSCAPE ARCHITECT AND WILL BE PRESERVED BY THE CONTRACTOR

1. PLACE THE TEMPORARY FENCE
2. REDUCE SLOPE ROUNDING WHERE ROOT ZONES ARE DISTURBED BY NORMAL SLOPE ROUNDING
3. VARY BACKSLOPE STEEPNESS TO AVOID TREE LOSS OR UNNECESSARY ROOT DAMAGE.

4 TREE PROTECTION: GRADING
3/16" = 1'-0"

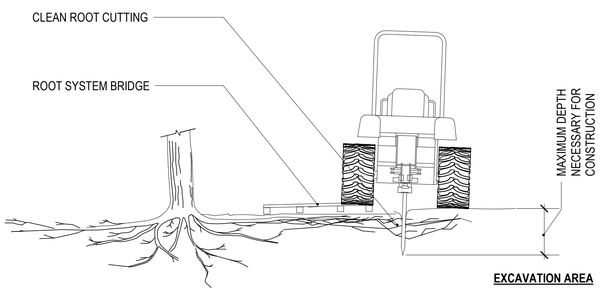


5 SOIL COMPACTION REMEDIATION
1/8" = 1'-0"



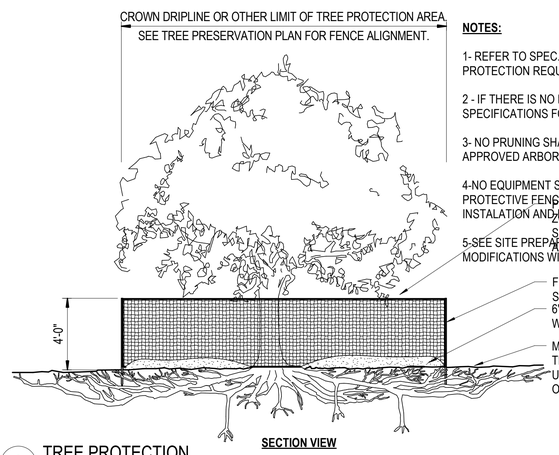
1. FURNISH AND INSTALL PLASTIC/SNOW PROTECTIOIN ZONE FENCING AT THE TREE DRIPLINE OR CONSTRUCTION LIMITS AS SPECIFIED PRIOR TO CONSTRUCTION. REFER TO SPEC 320190.
2. WHEN POSSIBLE PLACE FENCE 25 FEET BEYOND THE DRIP LINE.
3. PLACE TREE PROTECTION SIGNS ALONG FENCE AT 50' INTERVALS.

6 TREE PROTECTION: TEMPORARY FENCE AND SIGNS
3" = 1'-0"



1. WHEN DESIGNATED ON THE PLAN OR DIRECTED BY THE LANDSCAPE ARCHITECT, PRIOR TO EXCAVATION, ALL TREE ROOTS WILL BE CLEANLY CUT BY A VIBRATORY PLOW OR OTHER APPROVED ROOT CUTTER.
2. THE TREE ROOTS WILL BE CUT CLEANLY TO THE MAXIMUM DEPTH NECESSARY FOR CONSTRUCTION.
3. IMMEDIATELY AND CLEANLY CUT DAMAGED AND EXPOSED ROOTS.
4. ROOT ENDS EXPOSED BY EXCAVATION ACTIVIITES SHALL BE IMMEDIATELY COVERED WITH 6" LAYER OF ADJACENT SOIL

7 TREE PROTECTION: ROOT CUTTING
1/4" = 1'-0"



NOTES:

1- REFER TO SPEC. 320190 FOR ADDITIONAL TREE PROTECTION REQUIREMENTS.

2 - IF THERE IS NO EXISTING IRRIGATION, SEE SPECIFICATIONS FOR WATERING REQUIREMENTS.

3- NO PRUNING SHALL BE PERFORMED EXCEPT BY APPROVED ARBORIST. REFER TO SPEC 329643.

4-NO EQUIPMENT SHALL OPERATE INSIDE THE PROTECTIVE FENCING INCLUDING DURING FENCE INSTALATION AND REMOVAL.

5-SEE SITE PREPARATION PLAN FOR ANY MODIFICATIONS WITH THE TREE PROTECTION AREA.

9 TREE PROTECTION
1/4" = 1'-0"

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JACKSON HOLE HISTORICAL SOCIETY & MUSEUM

NOT FOR CONSTRUCTION

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4720-001-00

TREE PRESERVATION AND PROTECTION DETAILS

DATE: JUNE 18, 2021

TOWN OF JACKSON
PRE-APPLICATION SUBMITTAL

L120

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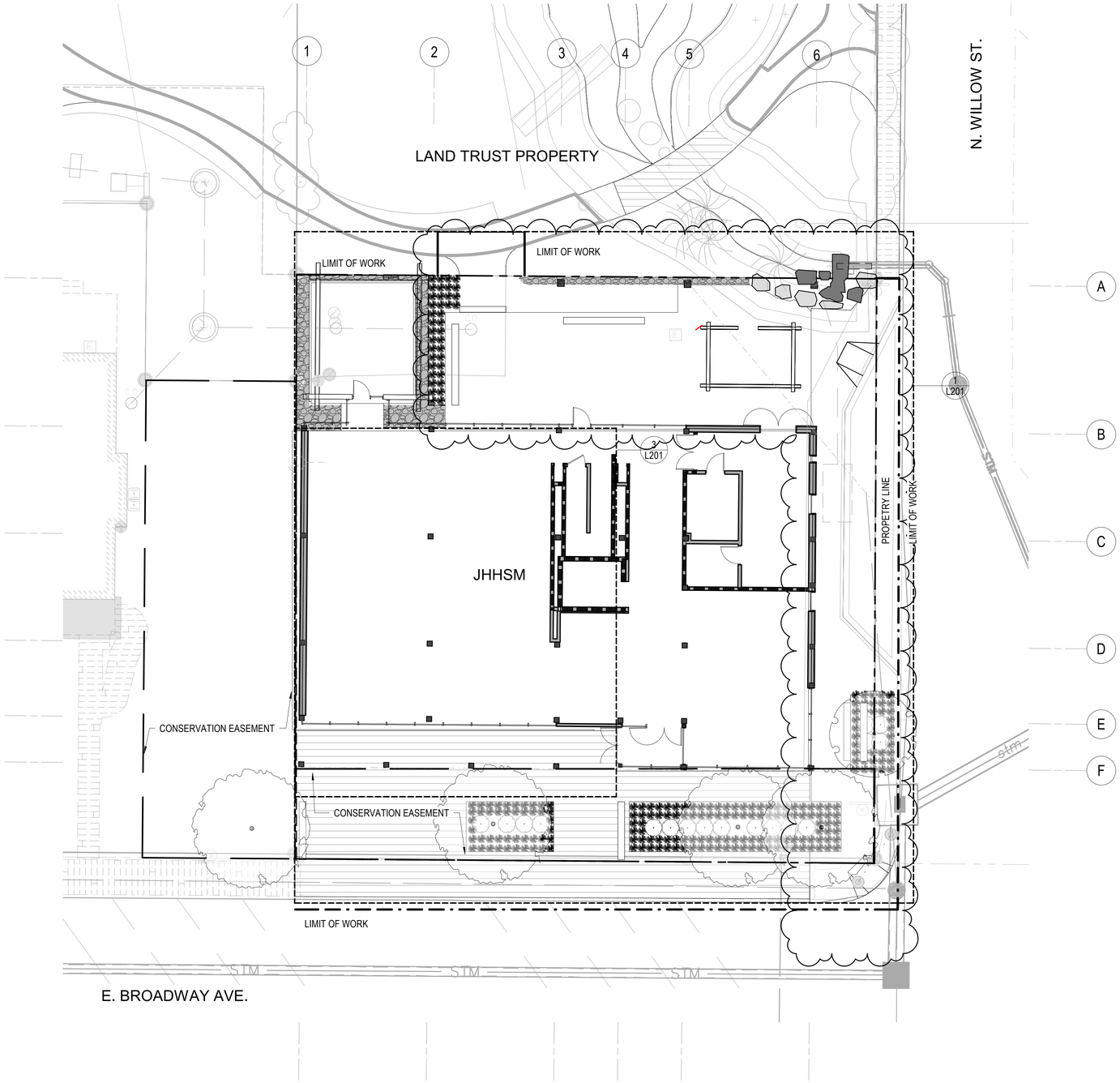

GENERAL NOTES - LAYOUT & MATERIALS

1. REFER TO CIVIL DRAWINGS FOR ADDITIONAL SITE INFORMATION
2. CONTRACTOR TO OBTAIN DIGITAL DRAWING FILE FOR LAYOUT OF LOCATION VERIFICATION OF ALL SITE AND LANDSCAPE FEATURES
3. CONTRACTOR RESPONSIBLE FOR VERIFYING ALL QUANTITIES

1 LANDSCAPE REFERENCE PLAN
1" = 10'-0"

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1	Description	Date

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4720-001-00

LANDSCAPE REFERENCE PLAN

DATE: JUNE 18, 2021

TOWN OF JACKSON PRE-APPLICATION SUBMITTAL

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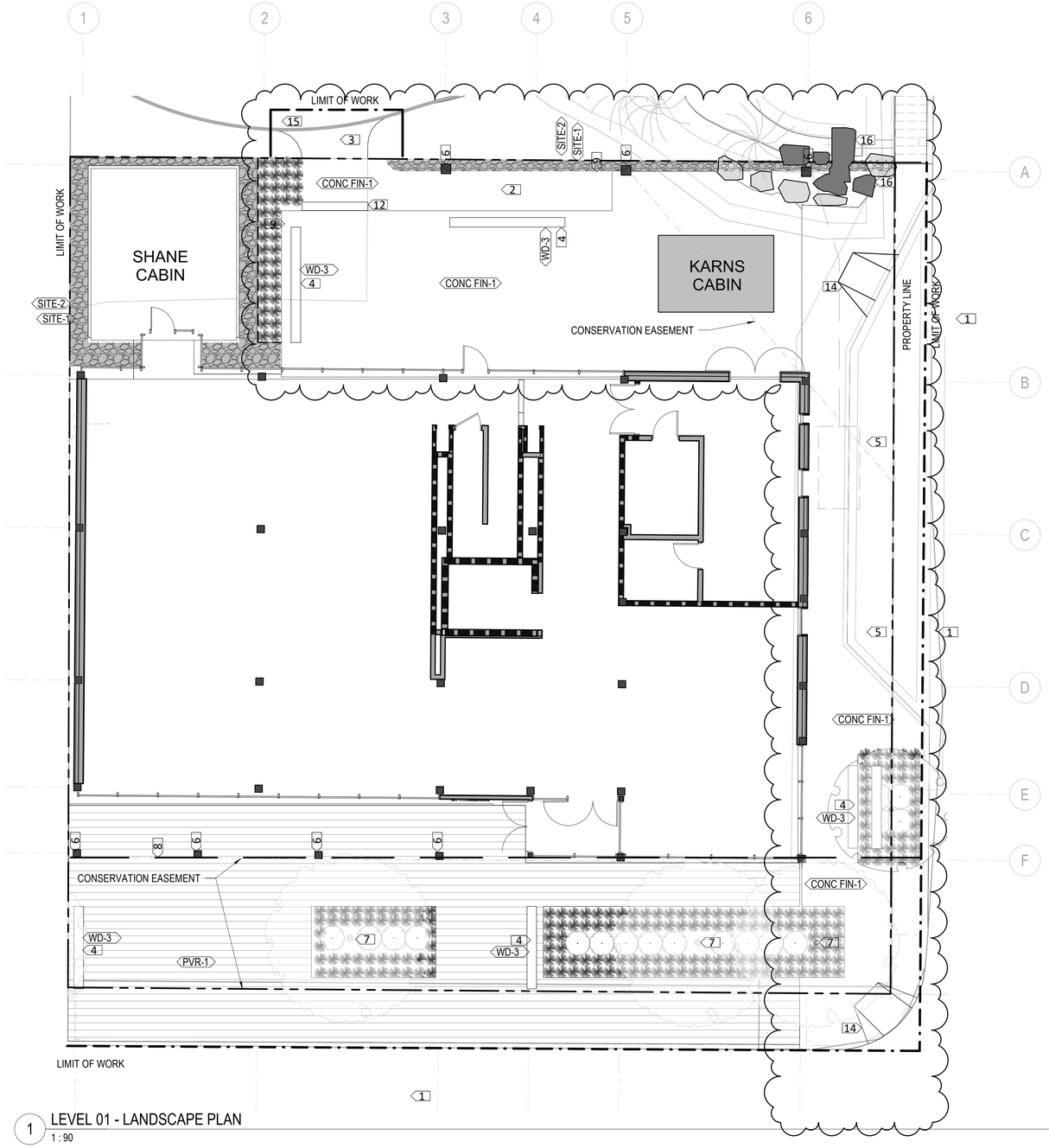
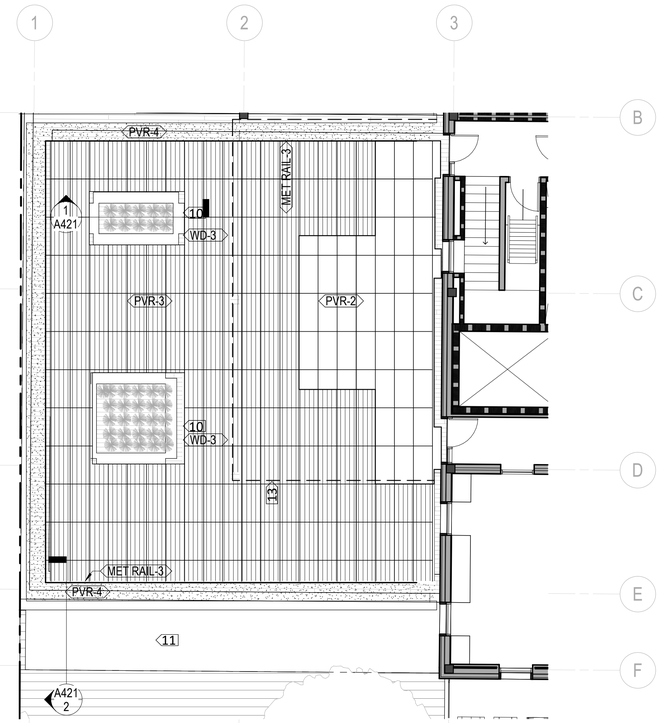


1 LEVEL 01 - LANDSCAPE PLAN
1 : 90



3 LEVEL 02- ROOF TERRACE PLAN
1 : 90

LEGEND - LAYOUT & MATERIALS

- EDGING — SITE-2
- STONE SURFACING — SITE-1
- PLANK BOARDWALK — PVR-1
- WOOD PEDESTAL PAVERS — PVR-3
- PRECAST PEDESTAL PAVERS — PVR-2
- LIVE ROOF PLANTING TRAYS — PVR-4
- PERENNIAL AND ORNAMENTAL GRASSES — CONT. #5 @ 18" O.C.
- DECIDUOUS SHRUB — CONT. #5
- OVERSTORY TREE — 4" CALIPER INCH
- LANDSCAPE BOULDER — TO MATCH PARK BOULDERS

KEYNOTES - LAYOUT & MATERIALS PLAN

#	DESCRIPTION
1	EXISTING BITUMINOUS PAVING TO REMAIN
2	ADA SLOPED WALKWAY
3	CONCRETE CONNECTION TO PARK WALKWAY; SEE CIVIL
4	CUSTOM TIMBER BENCH; 14" WIDTH, 16" HEIGHT, VARIOUS LENGTH
5	BITUMINOUS PAVING; SEE CIVIL
6	BUILDING COLUMN; SEE ARCHITECTURE
7	EXISTING TREE TO REMAIN; SEE L100
8	CONSERVATION EASEMENT
9	SITE RETAINING WALL
10	ROOF TERRACE PLANTER; 17" WOODEN SEAT WIDTH, 16" HEIGHT, VARIOUS LENGTH; SEE A421-1
11	BUILDING BELOW; SEE ARCHITECTURE
12	STEP; TIMBER
13	SHADE STRUCTURE; SEE ARCHITECTURE
14	CONCRETE ADA RAMP; SEE CIVIL
15	PARK WALKWAY TO REMAIN

GENERAL NOTES - LAYOUT & MATERIALS

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NO	DESCRIPTION	DATE
1	Description	Date

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4720-001-00

ENLARGED LAYOUT & MATERIALS PLANS

DATE: JUNE 18, 2021

TOWN OF JACKSON
PRE-APPLICATION SUBMITTAL

L201

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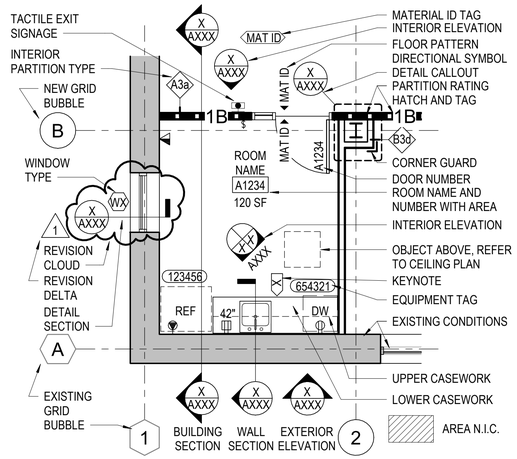
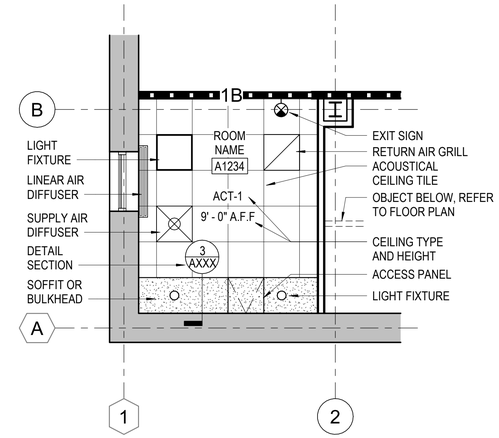


OTHER FLOOR PLAN SYMBOL DESIGNATIONS	
EXISTING DOOR TO REMAIN	EXISTING DOOR TO DEMO
EXISTING WALL TO REMAIN	EXISTING WALL TO DEMO
NEW WALL	TEMPORARY BARRIER

1 SYMBOL DESIGNATIONS - FLOOR PLAN (REFERENCE)
1/4" = 1'-0"



OTHER CEILING PLAN SYMBOL DESIGNATIONS	
RECESSED CAN DOWNLIGHT	TV CONNECTION (SEE ELECTRICAL DRAWINGS)
RECESSED CAN WALL WASHER	HORN (SEE ELECTRICAL DRAWINGS)
PENDANT MOUNTED LIGHT FIXTURE	TRACK LIGHT FIXTURE (SEE ELECTRICAL DRAWINGS)
CEILING-MOUNTED EXIT LIGHT (SEE ELECTRICAL DRAWINGS)	EQUIPMENT MOUNTING TRACKS
WALL-MOUNTED EXIT LIGHT (SEE ELECTRICAL DRAWINGS)	SPRINKLER HEAD
SMOKE DETECTOR (SEE ELECTRICAL DRAWINGS)	SPEAKER (SEE ELECTRICAL DRAWINGS)

2 SYMBOL DESIGNATIONS - CEILING PLAN (REFERENCE)
1/4" = 1'-0"

GENERAL NOTES

A. THESE GENERAL NOTES APPLY TO THE CONSTRUCTION DOCUMENTS AND SHALL GOVERN UNLESS NOTED OTHERWISE BY GENERAL NOTES OR KEYNOTES ON SPECIFIC SHEETS.

B. COORDINATE ALL PROJECT PHASING WITH OWNER OR AS SPECIFIED AND/OR SHOWN ON THE DRAWINGS.

C. PROVIDE A SAFE MEANS OF EGRESS THROUGH AND/OR AROUND THE BUILDING AND SITE PER APPLICABLE CODES AT ALL TIMES DURING THE CONSTRUCTION PROCESS. MINIMIZE DISRUPTION TO ADJACENT AREAS/FLOORS AS MUCH AS POSSIBLE.

D. MINIMIZE NOISE TO LEVEL ACCEPTABLE WITH THE OWNER. SCHEDULE TASKS CREATING EXCESSIVE NOISE OR NEAR SENSITIVE AREAS WITH THE OWNER.

E. PROVIDE DUST CONTROL BETWEEN CONSTRUCTION AREAS AND OCCUPIED AREAS AT ALL TIMES AS SPECIFIED.

F. NOTIFY ARCHITECT PROMPTLY IF INFORMATION SHOWN IN ONE CONSTRUCTION DOCUMENT CONFLICTS WITH INFORMATION SHOWN ON ANOTHER.

G. NOTIFY ARCHITECT PROMPTLY IF CONSTRUCTION DOCUMENTS ARE INCONSISTENT WITH THE CURRENT APPLICABLE CODES AND REGULATIONS.

H. NOTIFY ARCHITECT PROMPTLY IF ANY EXISTING CONDITIONS CONFLICT WITH THE CONSTRUCTION DOCUMENTS.

J. STRUCTURAL STEEL OR WOOD MEMBER PROFILES AS INDICATED ON ARCHITECTURAL DRAWINGS MAY VARY FROM ACTUAL PROFILES AND SIZES INDICATED ON THE STRUCTURAL DRAWINGS WHICH SHALL GOVERN.

K. COORDINATE EXACT LOCATIONS OF LIGHT FIXTURES, SPEAKERS, SMOKE DETECTORS, EXIT LIGHTS, ACCESS PANELS, SPRINKLER HEADS, HVAC DUCTS, DIFFUSERS, REGISTERS, AND OTHER CEILING ITEMS WITH MECHANICAL, ELECTRICAL AND OTHER TRADES. NOTIFY ARCHITECT PROMPTLY IF ANY LOCATIONS CONFLICT WITH ARCHITECTURAL REFLECTED CEILING PLANS.

L. REFER TO ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR FLOOR, WALL AND CEILING OPENINGS. ALL OPENINGS SHALL BE CUT AND PATCHED AS REQUIRED BY EACH DISCIPLINE OR TRADE REQUIRING THE OPENING UNLESS NOTED OTHERWISE IN THE CONSTRUCTION DOCUMENTS. PATCHING IS TO BE IN CONFORMANCE WITH APPLICABLE CODES.

M. WOOD BLOCKING WITHIN THE WALL SYSTEM SHALL BE FIRE RETARDANT TREATED. ALL EXTERIOR WOOD BLOCKING SHALL BE MOISTURE TREATED. WOOD MAY NOT BE USED IN AN EXPOSED LOCATION UNLESS IT IS A FINISH MATERIAL IN A NON-COMBUSTIBLE ASSEMBLY OR AS SPECIFIED.

SHEET NUMBER EXPLANATION

1. ARCHITECTURAL
THIS CHARACTER DENOTES THE SHEET IS AN ARCHITECTURAL DRAWING.

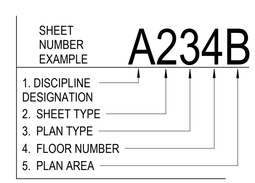
2. SHEET TYPE
THIS CHARACTER DENOTES THE TYPE OF INFORMATION ON THE SHEET

1. DEMOLITION PLANS
2. FLOOR PLANS
3. CEILING PLANS
4. EXTERIOR DETAILING
5. VERTICAL CIRCULATION
6. INTERIOR DETAILING
7. SCHEDULES
8. LAB (IF USED)
9. SHEET SPECIFICATIONS (IF USED)

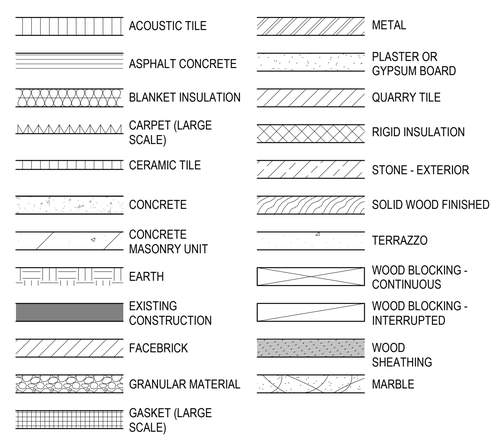
3. PLAN TYPE
THESE CHARACTERS DENOTE THE SUB CATEGORY OF THE SHEET TYPE

4. FLOOR NUMBER
THESE CHARACTERS DENOTE THE FLOOR SHOWN ON THE SHEET

5. PLAN AREA
THESE CHARACTERS DENOTE THE AREA PLAN SHOWN ON THE SHEET (IF USED)



3 ARCHITECTURAL SHEET NUMBER DESIGNATIONS



4 ARCHITECTURAL MATERIAL DESIGNATIONS

SPECIAL SYMBOLS			
&	AND	#	NUMBER
∠	ANGLE(STRUC SHAPE)	/	PER
@	AT	⊥	PERPENDICULAR
℄	CENTERLINE	±	PLUS/MINUS
ø	DIAMETER		

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NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4720-001-00

GENERAL NOTES AND SYMBOLS

DATE: JUNE 18, 2021

TOWN OF JACKSON
PRE-APPLICATION SUBMITTAL

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A	
A/E	ARCHITECT/ENGINEER
ACOUS	ACOUSTICAL
AD	ACCESS DOOR
ADA	THE AMERICANS WITH DISABILITIES ACT
ADD	ADDENDUM
ADDL	ADDITIONAL
ADJ	ADJUSTABLE
ADJC	ADJACENT
AED	DEFIBRILATOR
AF	ACCESS FLOOR
AFF	ABOVE FINISH FLOOR
AL	ALUMINUM
ALT	ALTERNATE
AP	ACCESS PANEL
APPROX	APPROXIMATE(LY)
ARCH	ARCHITECT(URAL)
ASC	ABOVE SUSPENDED CEILING
ASPH	ASPHALT
B	
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BO	BOTTOM OF
BOT	BOTTOM
BRKT	BRACKET
BS	BACKSPLASH
BSMT	BASEMENT
BTW	BETWEEN
BYND	BEYOND
C	
CAB	CABINET
CEN	CENT(ER) (TRAL)
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CG	CORNER GUARD
CIP	CAST IN PLACE
CJ	CONTROL/CONSTRUCTION JOINT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR(ANCE)
CLR	CLEAR
CMPST	COMPOSITE
CMU	CONCRETE MASONRY UNIT
CNTFG	CENTRIFUGE
CNTR	COUNTER
CO	CASED OPENING; CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONN	CONNEC(TION)
CONST	CONSTRUCTION
CONT	CONTINU(E) (OUS) (ATION)

CONT	CONTINUOUS
CORR	CORRIDOR
CR	CARD READER
CYL	CYLINDER
D	
D	DEEP, DEPTH
DBL	DOUBLE
DED	DEDICATED
DEG	DEGREE
DEMO	DEMO(LISH) (LITION)
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DISP	DISPENSER
DN	DOWN
DO	DATA OUTLET
DR	DOOR
DWG(S)	DRAWING(S)
E	
(E), EXIST	EXISTING
E	ELEVATOR
EA	EACH
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
EMER	EMERGENCY
EMI	ELECTROMAGNETIC INTERFERENCE
ENCL	ENCLOSURE
EO	ELECTRICAL OUTLET
EOS	EDGE OF SLAB
EP	ELECTRICAL PANEL
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EPRF	EXPLOSION PROOF
EQ	EQUAL
EQUIP	EQUIPMENT
ETR	EXISTING TO REMAIN
EXCL	EXCLUD(E) (ED) (ING)
EXG	EXISTING
EXH	EXHAUST
EXP	EXPAN(D) (SION)
EXT	EXTERIOR
EXTR	EXTERIOR
F	
F/F	FACE TO FACE
FA	FIRE ALARM
FACP	FIRE ALARM PANEL
FAS	FASTEN(ED) (ER)
FB	FLAT BAR
FCO	FLOOR CLEAN OUT

FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FLOOR FINISH
FHC	FIRE HOSE CABINET
FHP	FULL HEIGHT PARTITION
FIN	FINISH
FL	FLASHING
FLR	FLOOR(ING)
FO	FACE OF
FOC	FACE OF CONCRETE
FOW	FACE OF WALL
FP	FILLER PANEL
FSTR	FASTEN(ED) (ER)
FT	FOOT, FEET
FTG	FOOTING
G	
GA	GAUGE
GC	GENERAL CONTRACTOR
H	
H	HIGH, HEIGHT
HD	HEAD
HDW	HARDWARE
HM	HOLLOW METAL
HO	HOLD OPEN
HORIZ	HORIZONTAL
HR	HANDRAIL(S)
HT	HEIGHT
I	
ID	INSIDE DIAMETER/DIMENSION
IN	INCH(ES)
INCL	INCLU(DE) (DED) (DING) (SIVE)
INSUL	INSULAT(E) (ED)
INT	INTERIOR
INTR	INTERIOR
J	
JAN	JANITOR
JST	JOIST
JT	JOINT
K	
KOP	KNOCKOUT PANEL
KPL	KICK PLATE
KS	KNEE SPACE
L	
L	ANGLE (STRUC SHAPE)
LAB	LABORATORY
LAV	LAVATORY
LB	POUND
LENGTH	LONG, LENGTH
LF	LINEAR FOOT
LFFEET	LINEAL FOOT, FEET

LH	LEFT HAND
LHR	LEFT HAND REVERSE
LKR	LOCKER
LNTL	LINTEL
LT	LIGHT
LTG	LIGHTING
LTWT	LIGHTWEIGHT
LVL	LEVEL
LVR	LOUVER
M	
MACH	MACHINE
MAINT	MAINTENANCE
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MB	MARKERBOARD
MECH	MECHANICAL(LY)
MED	MEDIUM
MEMB	MEMBRANE
MET	METAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MT(D)	MOUNT(ED)
MTL	METAL
MUL	MULLION
MVBL	MOVABLE
N	
N	NORTH; NITROGEN
N/A	NOT APPLICABLE
NEC	NECESSARY
NIC	NOT IN CONTRACT
NO2	NITROUS OXIDE
NOM	NOMINAL
NTS	NOT TO SCALE
O	
O	OXYGEN
O2	OXYGEN
OC	ON CENTER
OD	OUTSIDE DIAMETER/DIMENSION
OF	OUTSIDE FACE
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFF	OFFICE
OFOI	OWNER FURNISHED, OWNER INSTALLED
OFVI	OWNER FURNISHED, VENDOR INSTALLED
OH	OVERHEAD
OH	OPPOSITE HAND
OHSC	OVERHEAD SERVICE CARRIER
OPG	OPENING

OPP	OPPOSITE
OPT	OPTION(AL)
P	
PA	POWER ASSIST
PAR	PARALLEL
PART	PARTICLE; PARTIAL
PB	PANIC BAR
PC	PRECAST
PERF	PERFORATED
PERIM	PERIMETER
PGBD	PEG BOARD
PL	PLATE
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PLYWD	PLYWOOD
PNEU	PNEUMATIC
PNL	PANEL
PR	PAIR
PRCST	PRECAST
PREFAB	PREFABRICATED
PTD	PAINTED
PTN	PARTITION
PTS	PNEUMATIC TUBE STATION
Q	
QTY	QUANTITY
R	
R	RADIUS; RADII; RISER (STAIR)
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REC	RECESSED
RECP	RECEPTACLE
REF	REFER(ENCE)
REFR	REFRIGERATOR
REINF	REINFORC(E) (ED) (ING) (EMENT)
REQD	REQUIRED
RESIL	RESILIENT
REV	REVIS(E) (ED) (ION)
RH	RIGHT HAND
RHR	RIGHT HAND REVERSE
RM	ROOM
RO	ROUGH OPENING
S	
SCHED	SCHEDULE
SECT	SECTION
SF	SQUARE FOOT/FEET
SHT	SHEET(ING)
SHTG	SHEATHING
SIM	SIMILAR
SKLT	SKYLIGHT(S)
SPEC(S)	SPECIFICATION(S)
SPK	SPEAKER
SS	STAINLESS STEEL
ST	STREET

STAG	STAGGER
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUC	STRUCTUR(E) (AL)
SUSP	SUSPENDED
SYM	SYMMETR(Y) (ICAL)
T	
T	TREAD
T&G	TONGUE AND GROOVE
T/D	TELEPHONE DATA OUTLET
TEL	TELEPHONE
TEMP	TEMPORARY
TER	TERRAZZO
THK	THICKNESS
TME	TO MATCH EXISTING
TO	TOP OF
TOB	TOP OF BEAM
TOC	TOP OF CONCRETE
TOS	TOP OF STEEL
TV	TELEVISION
TYP	TYPICAL
U	
UC	UNDER CABINET
UCL	UNDER CABINET LIGHTING
UNEX	UNEXCAVATED
UNFIN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
UR	URINAL
UV	ULTRAVIOLET
V	
VAC	VACUUM
VAR	VAR(Y) (IES) (IATION)
VCT	VINYL COMPOSITION TILE
VEN	VENEER
VERT	VERTICAL
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
W	
W	WIDE, WIDTH
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WP	WATERPROOFING
WSCT	WAINSCOT
WT	WEIGHT
X	
XP(D)	EXPOSE(D)

METAL SUSPENSION SYSTEMS NOTES

1. SUSPENSION SYSTEM COMPONENTS SHALL COMPLY WITH ASTM C635 AND E580 SECTION 5.1:
   A. THE CEILING GRID SYSTEM SHALL BE RATED HEAVY DUTY AS DEFINED BY ASTM C635.
   B. SUSPENSION WIRES SHALL BE #12 GAGE (0.106" DIAMETER). SOFT ANNEALED, AND GALVANIZED STEEL WIRES WITH CLASS 1 COATING. THEY MAY BE USED FOR UP TO AND INCLUDING 4'-0" X 4'-0" GRID SPACING ALONG AND ATTACHED TO MAIN RUNNERS. SPLICES ARE NOT PERMITTED IN ANY HANGER WIRE.
   C. MAIN RUNNERS, CROSS RUNNERS, SPLICES, EXPANSION DEVICES, INTERSECTION CONNECTORS SHALL BE DESIGN TO CARRY A MEAN ULTIMATE TEST LOAD OF NOT LESS THAN 180 LBS IN COMPRESSION & TENSION IN ACCORDANCE WITH ASTM E580 SECTION 5.1.2.
2. SUSPENSION SYSTEM INSTALLATION, SHALL COMPLY WITH ASTM C636 AND E580 SECTION 5.2:
   A. PROVIDE #12 GAGE HANGER WIRES AT THE ENDS OF ALL MAIN AND CROSS RUNNERS WITHIN EIGHT (8) INCHES OF THE SUPPORT OR WITHIN ONE-FOURTH (1/4) OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS. FOR THE PERIMETER OF THE CEILING AREA, PERIMETER WIRES ARE NOT REQUIRED WHEN THE LENGTH OF THE END TEE IS EIGHT (8) INCHES OR LESS.
   B. CEILING GRID MEMBERS SHALL BE ATTACHED TO TWO (2) ADJACENT WALLS IN ACCORDANCE WITH ASTM E580 SECTION 5.2.3. CEILING GRID MEMBERS SHALL BE AT LEAST ¾" INCH CLEAR OF OTHER WALLS. IF WALLS RUN DIAGONAL TO THE CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN AND CROSS RUNNERS SHOULD BE FREE AND A MINIMUM OF ¾ INCH CLEAR OF WALL.
   C. THE WIDTH OF THE PERIMETER SUPPORTING CLOSURE ANGLE SHALL BE NOT LESS THAN 2 INCHES. USE OF ANGLES WITH SMALLER WIDTHS IN CONJUNCTION WITH PERIMETER CLIPS SHALL REQUIRE AN ALTERNATE METHOD OF COMPLIANCE WITH ADEQUATE JUSTIFICATION.
   D. AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A # 16 GAGE WIRE WITH A POSITIVE MECHANICAL CONNECTION TO RUNNER MAY BE USED, WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNER IS 8 INCHES OR LESS, THIS INTERLOCK IS NOT REQUIRED.
3. EXPANSION JOINTS, SEISMIC SEPARATIONS, AND PENETRATIONS:
   A. EXPANSION JOINTS SHALL BE PROVIDED IN THE CEILING AT INTERSECTIONS OF CORRIDORS AND AT JUNCTIONS OF CORRIDORS WITH LOBBIES OR OTHER SIMILAR AREAS.
   B. FOR CEILING AREAS EXCEEDING 2500 SQUARE FEET, A SEISMIC JOINT SHALL BE PROVIDED TO DIVIDE THE CEILING INTO AREAS NOT EXCEEDING 2500 SQ FT.
   C. PENETRATIONS THROUGH THE CEILING FOR SPRINKLER HEADS AND OTHER SIMILAR DEVICES THAT ARE NOT INTEGRALLY TIED TO THE CEILING SYSTEM IN THE LATERAL DIRECTION SHALL HAVE A TWO (2) INCH OVERSIZED RING, SLEEVE OR ADAPTER THROUGH THE CEILING TILE TO ALLOW FREE MOVEMENT OF ONE (1) INCH IN ALL HORIZONTAL DIRECTIONS. A FLEXIBLE SPRINKLER HOSE FITTING THAT CAN ACCOMMODATE 1 INCH OF CEILING MOVEMENT SHALL BE PERMITTED TO BE USED IN LIEU OF THE OVERSIZED RING, SLEEVE OR ADAPTER. SUCH FLEXIBLE SPRINKLER HOSE SHALL BE ADEQUATELY SUPPORTED FROM SOFFIT SO AS NOT TO EXCEED THE MAXIMUM TRIBUTARY WEIGHT OF THE CEILING.
4. LATERAL FORCE BRACING: LATERAL FORCE BRACING IS REQUIRED PER THIS SECTION FOR ALL CEILING AREAS. EXCEPTION: LATERAL FORCE BRACING MAY BE OMITTED FOR SUSPENDED ACOUSTICAL CEILING SYSTEMS WITH A CEILING AREA OF 144 SQ. FT. OR LESS, WHEN PERIMETER SUPPORT IN ACCORDANCE WITH ASTM E580 ARE PROVIDED AND PERIMETER WALLS ARE DESIGNED TO CARRY THE CEILING LATERAL FORCES.
   A. PROVIDE LATERAL-FORCE BRACING ASSEMBLIES CONSISTING OF A COMPRESSION STRUT AND FOUR (4) #12 GAGE BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER.
   B. LATERAL-FORCE BRACING ASSEMBLIES SHALL BE SPACED IN ACCORDANCE WITH DETAILS FROM EACH WALL AND AT THE EDGES OF ANY CHANGE OF ELEVATION OF THE CEILING.
   C. THE SLOPE OF BRACING WIRES MAY BE FROM 0 TO 45 DEGREES BUY MAY NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND WIRES SHALL BE TAUT.
   D. COMPRESSION STRUTS SHALL BE ADEQUATE TO RESIST THE VERTICAL COMPONENT INDUCED BY THE BRACING WIRES, AND SHALL NOT BE MORE THAN 1 (HORIZONTAL) IN 6 (VERTICAL) OUT OF PLUMB.
5. ATTACHMENT OF HANGER AND BRACING WIRES:
   A. FASTEN #12 HANGER WIRES WITH NOT LESS THAN THREE (3) TIGHT TURNS IN 3 INCHES. HANGERWIRE LOOPS SHALL BE TIGHTLY WRAPPED AND SHARPLY BENT TO PREVENT ANY VERTICAL MOVEMENT OR ROTATION OF THE MEMBER WITHIN THE LOOPS.
   B. FASTEN #12 BRACING WIRES WITH FOUR (4) TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1-1/2" INCHES.
   C. HANGER OR BRACING WIRE ANCHORED TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE ANCHOR ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE WIRE.
   D. SEPARATE ALL CEILING HANGER AND BRACING WIRES AT LEAST SIX (6) INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUITS, ETC.
   E. HANGER WIRES SHALL NOT BE ATTACHED TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT. PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO TYPICAL HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS, OR DISCONTINUOUS AREAS.
   F. HANGER WIRES THAT ARE MORE THAN 1 (HORIZONTAL) IN 6 (VERTICAL) OUT OF PLUMB SHALL HAVE COUNTER SLOPING WIRES.
   G. WHEN DRILLED-IN CONCRETE ANCHORS OR PAF ARE USED IN REINFORCED CONCRETE FOR HANGER WIRES 1 OUT OF 10 WIRE/ANCHOR ASSEMBLIES SHALL BE FIELD TESTED FOR 200 LBS IN TENSION. WHEN DRILLED-IN CONCRETE ANCHORS ARE USED FOR BRACING WIRES, 1 OUT OF 2 WIRE/ANCHOR ASSEMBLIES SHALL BE FIELD TESTED FOR 440 LBS IN TENSION IN THE DIRECTION OF THE WIRE. PAF IN CONCRETE ARE NOT PERMITTED FOR BRACING WIRES
6. CEILING FIXTURES, TERMINALS, AND DEVICES:
   A. CEILING PANELS SHALL NOT SUPPORT ANY LIGHT FIXTURES, AIR TERMINALS OR DEVICES.
   B. ATTACH ALL LIGHT FIXTURES, CEILING MOUNTED AIR TERMINALS AND ALL OTHER DEVICES TO THE CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURE. SCREWS OR APPROVED FASTENERS ARE REQUIRED MINIMUM OF TWO ATTACHMENTS ARE REQUIRED AT EACH LIGHT FIXTURE.
   C. RECESSED OR DROP-IN LIGHT FIXTURE, GRILLS, MECHANICAL TERMINALS, AND FLEXIBLE SPRINKLER HOSE FITTINGS OR OTHER SERVICES, LESS THAN 56 LBS, SHALL BE SUPPORTED DIRECTLY ON RUNNERS CLASSIFIED AS ASTM HEAVY DUTY, BUT THEY MUST ALSO HAVE A MINIMUM OF TWO (2) #12 GAGE SLACK SAFETY WIRES ATTACHED TO THE FIXTURE AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE.
   D. ALL FLUSH OR RECESSED LIGHT FIXTURES, MECHANICAL TERMINALS, AND FLEXIBLE SPRINKLER HOSE FITTINGS OR OTHER SERVICES WEIGHING 56 LBS OR MORE SHALL BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN FOUR (4) TAUT #12 GAGE WIRES ATTACHED TO THE HOUSING AND TO THE STRUCTURE ABOVE. THE FOUR (4) TAUT #12 GAGE WIRES, INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE, SHALL BE CAPABLE OF SUPPORTING FOUR (4) TIMES THE WEIGHT OF THE UNIT.
   E. ALL 4 FT. X 4 FT. LIGHT FIXTURES SHALL HAVE SLACK SAFETY WIRES AT EACH CORNER.
   F. SURFACE-MOUNTED FIXTURES SHALL BE ATTACHED TO THE MAIN RUNNER WITH AT LEAST TWO POSITIVE CLAMPING DEVICES MADE OF MATERIAL WITH A MINIMUM #14 GAGE. ROTATIONAL SPRING CATCHES DO NO COMPLY. A #12 GAGE SUSPENSION WIRE SHALL BE ATTACHED TO EACH CLAMPING DEVICE TO THE STRUCTURE ABOVE. PROVIDE ADDITIONAL SUPPORTS WHEN LIGHT FIXTURES ARE 8 FT. OR LONGER. MAXIMUM SPACING BETWEEN SUPPORTS SHALL NOT EXCEED 8 FEET.
   G. SUPPORT PENDANT-MOUNTED LIGHT FIXTURES DIRECTLY FROM THE STRUCTURE ABOVE WITH THE HANGER WIRES OR CABLES PASSING THROUGH EACH PENDANT HANGER AND CAPABLE OF SUPPORTING TWO (2) TIMES THE WEIGHT OF THE FIXTURE. A BRACING ASSEMBLY IN ACCORDANCE WITH NOTE 4A IS REQUIRED IF THE PENDANT HANGER PENETRATES THE FIELD OF THE CEILING TILE. SPECIAL DETAILS ARE REQUIRED TO ATTACH THE PENDANT HANGER TO THE BRACING ASSEMBLY TO TRANSMIT HORIZONTAL FORCE. IF THE PENDANT MOUNTED LIGHT FIXTURE IS DIRECTLY AND INDEPENDENTLY BRACED BELOW THE CEILING (E.G., AIR CRAFT CABLE TO WALLS) THEN THE BRACING ASSEMBLY IS NOT REQUIRED ABOVE THE CEILING.
   H. ALL LIGHTWEIGHT MISCELLANEOUS DEVICES, SUCH AS STROBE LIGHTS, SPEAKERS, EXIT SIGNS, ETC., SHALL BE ATTACHED TO THE CEILING GRID AS SPECIFIED ABOVE. IN ADDITION, DEVICES MORE THAN 10 LBS SHALL HAVE A #12 SLACK SAFETY WIRE ANCHORED TO THE STRUCTURE ABOVE. DEVICES WEIGHING MORE THAN 20 LBS SHALL BE SUPPORTED FROM THE STRUCTURE ABOVE PER NOTE 6C.

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NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4720-001-00

GENERAL NOTES AND SYMBOLS

DATE: JUNE 18, 2021

TOWN OF JACKSON
PRE-APPLICATION SUBMITTAL

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JHHSM		
February...		
MATERIAL IDENTIFICATION...		
AB	**AIR BARRIER**	
	AB-1	ExoAir 230 by Tremco fully adhered vapor permeable weather resistive barrier sheet
AFD	**ACCORDIAN FIRE DOOR**	
	AFD-1	Wondoor side-rolling accordion folding fire door with egress
	AG-1	All glass door and sidelight by CR Laurence Co. or equal
AP	**ACCESS PANEL**	
	AP-1	Larsen's Manufacturing L-DWB, flush drywall access panel. Refer to Drawings for sizes.
AST	**ACOUSTIC SURFACE TREATMENT**	
	AST-1	Barisol double layer stretch membrane system, clear and white membranes
AV	**AUDIO VISUAL**	
	AV-1	$20,000 Allowance for Classroom only
BA	**BATH ACCESSORY**	
	BA-1	Stainless steel grab bar, 1-1/4" diameter
	BA-2	Toilet paper holder; Bobrick (match new units at HGA)
	BA-3	Soap dispenser
	BA-4	Hand dryer; Dyson Airblade V, finish: white
	BA-5	Sanitary napkin disposal; Bobrick Contura Series, B-270, stainless steel, surface mounted
	BA-6	Shower seat; stainless steel, corner type, folding
	BA-7	Paper towel dispenser with integral trash container
	BA-8	Diaper changing station
BIKE	**BIKE RACK**	
	BIKE RACK-1	Bicycle rack for 6 bikes
CEM BD	**CEMENT BOARD**	
	CEM BD-1	5/8" thick, USG cement backer board for interior tile shower walls
CHNK	**CHINKING**	
	CHNK-1	Elastomeric sealant, standard color as selected by architect. Perma-Chink or equal.
CONC FIN	**CONCRETE FINISHES**	
	CONC-FIN-1	Concrete site paving, light broom finish
	CONC FIN-2	Interior exposed topping slabs; smooth trowel, ground & polished finish with color dye topical treatment, sawcut control joints
	CONC FIN-3	Hard trowel finish
	CONC FIN-4	As-cast smooth form finish, Symons form panels
	CONC FIN-5	Float finish base slab to receive topping slab
CPT	**CARPET**	
	CPT-1	Carpet tiles; Allowance $40/SY installed
CSWK	**CASEWORK**	
	CSWK-1	Retail: WD-1 grade veneer and solid lumber
	CSWK-2	Lockers, Administration Storage/Coats, reception desk, retail display, and Archive Reading Room: WD-1 veneer exterior and melamine cabinet interior (PLAM-1)
	CSWK-3	Catering: HDPL finish on particle board core; London Fog Gray (PLAM-2)
	CSWK-4	Catering: Stainless steel wall-mounted shelving (KA-5)
	CSWK-5	Classroom: Semi-gloss painted acrylic finish (PT-1) on MDF
CT	**CERAMIC TILE**	
	CT-1	Porcelain wall tile; $8/Sf material allowance
	CT-2	Porcelain floor tile; $8/SF material allowance
CTA	**CERAMIC TILE...**	
	CTA-1	Schluter-JOLLY edge trim 5/16" PVC bright white
	CTA-2	Schluter-QUADEC square edge trim 5/16" PVC bright white
	CTA-3	Schluter-stair tread nosing
	CTA-4	Mapeguard UM underlayment membrane for tile by Mapei
CTOP	**COUNTERTOP**	
	CTOP-1	Corian, Glacier White [SSF-1]; Corian 810 integral lavatory sinks where indicated
	CTOP-2	16 ga. stainless steel, No. 4 finish on solid backing
	CTOP-3	Solid wood [WD-1]
CW	**CURTAINWALL**	
	CW-1	Aluminum clad, wood-framed fixed window and door systems with tripane glass [GL-3T] by Unilux. Wood species: Douglas fir. Color-anodized gold finish...
DAMP	**DAMPROOFING**	
	DAMP-1	Liquid-applied damproofing
DEFS	**DIRECT APPLIED EXTERIOR FINISH...**	
	DEFS-1	Direct applied exterior finish system for walls and soffit with PT-3 finish
DMAT	**DRAINAGE MAT**	
	DMAT-1	ArmorDrain 110 Drainage Mat or equal; 1/4" thickness
DT	**DRAIN TILE**	
	DT-1	4" PVC perforated drain pipe
ELEV	**ELEVATOR**	
	ELD-1	Elevator Lobby Door; 90 degree pocketed double-egress pair with frame by Door Systems, Inc. or Equal
	ELEV-1	Holeless, machine room-less passenger elevator; Schumacher (or equal) 5,000 lb. capacity. 50MRLHHTS1E14 two-speed. Interior wall and ceiling finish: stainlees steel. Floor finish: [RF-1]
FE	**FIRE EXTINGUISHERS**	

	FE-1	5 LB fire extinguisher, in recessed, painted steel cabinet
	FE-2	5 LB fire extinguisher, on hook
FBA	**FLOOR MATS**	
	FL MAT-1	Mats Inc., DecoRib, color: Charcoal
FELT	**FELT**	
	FELT-1	Filzfelt, Ribsy, 24" x 6" wall covering tiles
FF	**FLAT FILES**	
	FF-1	Flat files; 5-drawer 36" D x 48" W x 16.5" H with base by Safco. Stackable. Quantity: 6
FRP	**FIBERGLASS REINFORCED PLASTIC...**	
	FRP-1	Crane Composites, 0.090" thick, textured surface, white
GL	**GLAZING**	
	GL-1T	1/4" thick fully tempered, clear glass
	GL-2T	1/2" thick fully tempered, clear glass
	GL-3T	1-3/4" fully tempered triple-pane insulating glazi units (1/4+1/2+1/4+1/2+1/4), low-e coating on #2 surface, argon-filled airspace (at CW-1)
	GL-4	1/4" thick annealed mirror glass with ground edges
GV	**GRILLES AND VENTS**	
	GV-1	Titus FloBar supply and return grilles in public spaces
	GV-2	Titus floor grilles
GYP BD	**GYPSUM BOARD**	
	GYP BD-1	5/8" Type X fire-rated gypsum board with Level 5 painted finish
	GYP BD-2	5/8" Type X fire-rated gypsum board with Level 3 painted finish
GYPA	**GYPSUM ACCESSORY**	
	GYPA-1	Fry Reglet aluminum trim - TBD
GYP SHTG	**GYPSUM SHEATHING**	
	GYP SHTG-1	5/8" Fiberglass faced; DensGlass Gold by GP or equal
HDSS	**HIGH DENSITY STORAGE SYSTEM**	
	HDSS-1	Mechanical assist archive records filing system by Spacesaver or equal, in quantities as indicated on drawings (8'-4" high x 2'-8" deep x 13'-0" long
HDWE	**HARDWARE**	
	HDWE-1	Main exterior entrance/exit - lockable, auto operator
	HDWE-2	Main vestibule entrance/exit - passage, auto operator
	HDWE-3	Secondary exterior entrance/exit
	HDWE-4	Exterior service entrance
	HDWE-5	Interior lockable single door - panic exit
	HDWE-6	Interior lockable single door
	HDWE-7	Interior lockable double door
	HDWE-8	Rooftop exterior panic ext.
	HDWE-9	Interior passage
HM	**HOLLOW METAL DOOR**	
	HM-1	1-3/4" thick hollow metal door in quantities and sizes as indicated
HMF	**HOLLOW METAL FRAME**	
	HMF-1	1-1/4" hollow metal frames for 1-3/4" thick hollow metal door in quantities and sizes as indicated
	HIGH PERFORMANCE COATING	
	HPC-1	Zinc-rich water-based epoxy primer and base coat, polyurethane topcoat, color to match corresponding paint color
INSUL	**INSULATION**	
	INSUL-1	Extruded polystyrene rigid foam insulation; 25 psi, thicknesses as shown on drawings
	INSUL-2	4" thick Roxul or Themafiber, mineral wool.
	INSUL-3	Closed cell expanding polyurethane spray foam insulation. R = 6.5/inch. ASTM C1029 compliant with a permeance not greater than 1 in accordance with ASTM E96 procedure A.
	INSUL-4	Fiberglass batt
	INSUL-5	Polyisocyanurate insulation; 20 psi, tapered 1/4" per foot at PVC roofing
	INSUL-6	Extruded polystyrene rigid foam insulation; 100 psi at occupied roof deck. Tapered; thickness shown on drawings
KA	**KITCHEN APPLIANCES**	
	KA-1	Side-by-side Refrigerator/freezer with icemaker
	KA-2	Microwave/convection oven
	KA-3	Disposer
	KA-4	Dishwasher
	KA-5	Wall-mounted stainless steel shelving 16 gauge 18" deep
LVR	**LOUVER**	
	LVR-1	Aluminum exterior wall louver for make-up intake air. Ruskin ELF375DX with standard frame, bird screen and insect screen, clear anodized finish
MB	**MOISTURE BARRIER**	
	MB-1	40 mil bitumen sheet by WR Grace or equal
MET FAB	**METAL FABRICATIONS**	
	MET FAB-1	Galvanized steel grating at area well
	MET FAB-2	Galvanized steel ladder at area well
	MET FAB-3	Steel ship's ladder for roof access
	MET FAB-4	Exterior column bases, stainless steel with HPC-1 finish
	MET FAB-5	Galvanized steel tie rod
MP	**METAL PANEL**	
	MP-1	1" corrugated metal siding; Corten 20 ga. Steel
MET RAIL	**METAL RAILING**	
	MET RAIL-1	1-1/4" outside diameter steel tube pipe handrail with high gloss paint finish

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HGA NO: 4720-001-00

MATERIAL I.D. CODES

DATE: JUNE 18, 2021

TOWN OF JACKSON
PRE-APPLICATION SUBMITTAL

A012

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	MET RAIL-2	1" X 1-1/4" steel tube supports, perforated steel guard, 1-1/4" outside diameter steel tube pipe handrail with high gloss paint finish
	MET RAIL-3	Exterior Guardrail; 4" x 3/4" stainless steel bar top rail and posts, mill finish with HPC-1 Finish, horizontal stainless steel cable infill and hardware
MET STAIR	**METAL STAIR**	
	MET STAIR-1	Steel plate stringers, wood timber treads, perforated steel risers
	MET STAIR-2	Steel plate stringers, concrete filled steel pan treads, plate steel steel risers, ceramic tile finish on treads with Schluter nosing
PLAM	**PLASTIC LAMINATE**	
	PLAM-1	White melamine
	PLAM-2	London Fog Gray melamine
PT	**PAINT**	
	PT-1	Wall and ceiling paint, flat finish
	PT-2	Semi-gloss acrylic enamel to match PT-1
	PT-3	Rosco Off Broadway Artist's Paint
	PT-4	Sansin SDF; single-coat fully-penetrating finish for exterior siding, structural columns, beams, joists and decking, color: TBD
	PT-5	Linseed oil treatment on existing cabin logs
PTE	**PAINT - EPOXY**	
	PTE-1	Epoxy floor paint
PVCR	**PVC ROOFING**	
	PVCR-1	Carlisle Roofing; 60 mil Sure-Flex PVC Adhered Roofing; Color: Gray. Includes fully adhered tapered polyisocyanurate insulation (INSUL-5) including 1/2" Secureshield high density polyiso membrane base layer.
	PVCR-2	Carlisle Roofing; 60 mil Sure-Flex PVC Loose-Laid Roofing with decorative stone ballast; Color: Gray. 1/2" Secureshield high density polyiso membrane base layer.
	PVCR-3	Carlisle Roofing; 60 mil Sure-Flex PVC Adhered Roofing with PVR assemblies; Color: Gray. Includes fully adhered tapered polyisocyanurate insulation including 1/2" Secureshield high density polyiso membrane base layer. Provide high density (100 psi) extruded board insulation (INSUL-6) as layer immediately under the roof membrane.
PVR	**PAVER**	
	PVR-1	Alaskan yellow cedar (WD-4) plank boardwalk; 5-1/2" wide x 2-1/4" thick on sleepers and concrete slab-on-grade base
	PVR-2	Porce-Pave Series porcelain pavers, 24" x 24" x 3/4", on adjustable pedestal assebly by Tile Tech Paver System Alternate: Provide hydronic paver snow melt system; Thermapanel by ThermaHEXX
	PVR-3	Ipe Wood (WD-5) Deck Tiles, 24"x48"x 1-5/8", on adjustable pedestal assembly by Tile Tech Paver System
	PVR-4	Living Roof Plant Trays, 24" x 24" x 3-1/4" deep, 2 lb/sf maximum load, on adjustable pedestal assembly by Tile Tech Paver System
RADON	**RADON**	
	RADON-1	Radon mitigation system including 4" perforated pipe below inside perimeter of slab on grade edges with roof-mounted exhaust fan
RH	**ROOF HATCH**	
	RH-1	30" x 48" insulated roof hatch, ships' ladder access, Type NB by Bilco
RB	**RESILIENT BASE**	
	RB-1	Johnsonite 4" high, or equal
RF	**RESILIENT FLOOR**	
	RF-1	Forbo Marmoleum
	ROD	
ROD	ROD-1	Closet rod; KV #750-1, 1-1/16" diameter chrome with KV #734 chrome flange.
SDG	**SIDING**	
	SDG-1	WD-3 Western red cedar siding, 3/4" thick clear grade, varying widths, 2-1/4", 4-1/4" and 5-1/2" tongue and groove; Finish: PT-4
SIGN	**SIGN**	
	SIGN-1	JHHSM Allowance: $2,500
	SIGN-2	MUSEUM Allowance: $10,000
	SITE	
	SITE-1	Crushed stone surfacing
	SITE-2	Edging; Steel, 3/16" , painted black
STLSH	**STEEL SHELVING**	
	STLSH-1	Steel library shelving with adjustable shelves, 1'-4" deep x 8'-4" high with 7 shelves
SLNT	**SEALANT**	
	SLNT-1	Window and door sealant, non-staining silicone sealant
SMF	**SHEET METAL FLASHING**	
	SMF-1	Coping and sill flashing, 20 ga. painted steel; Color: silver DOW 123; 2" wide silicone tape at all coping joints. Color: Gray. Use with Dow 795 sealant.
	SMF-2	Through-wall flashing at base of wall: 24 ga. stainless steel with mill finish.
SSF	**SOLID SURFACE FINISH**	
	SSF-1	Corian, Glacier White. Corian 810 integral lavatory sinks where indicated.
STL FURG	**STEEL FURRING**	
	STL FURG-1	Z-furring, 16 ga. galvanized, sizes as shown
	STL FURG-2	Hat channel, 16 ga. Galvanized, sizes as shown
STL STUD	**STEEL STUD**	
	STL STUD-1	Steel stud and track, C-shaped, galvanized, 16 ga. minimum
STN	**STONE**	
	STN-1	2" thick indigenous stone cladding
UVB	**UNDER SLAB VAPOR...**	
	UVB-1	15 mil polyurethane sheet; StegoWrap or equal
VB	**VAPOR BARRIER**	
	VB-1	GCP Grace Ice & Water Shield; 40 mil self-adhering sheet membrane, continuous vapor barrier under roof insulation
WP	**WATERPROOFING**	
	WP-1	Foundation waterproofing: Spray applied, polymer-enhanced asphalt emulsion system, TREMproof 260 by Tremco
	WP-2	Elevator pit waterproofing: Bentonite with HPDE composite sheet, ParaSeal by Tremco

WD	**WOOD**	
	WD-1	Douglas Fir, clear grade in solid wood and veneer; Finish: to match PT-4
	WD-2	Poplar or birch in solid wood or veneer, painted to match PT-1
	WD-3	Western red cedar, clear grade; Finish: PT-4
	WD-4	Alaskan yellow cedar, Finish: none
	WD-5	Ipe, Finish: Sansin SDF, clear
WD DR	**WOOD DOOR**	
	WD DR-1	1-3/4" thick; flush, solid core doors, WD-1 veneer with clear finish. Refer to drawings for sizes.
WD FR	**WOOD DOOR FRAME**	
	WD FR-1	WD-1 built-up frame. Refer to drawings for sizes.
WD FLR	**WOOD FLOORING**	
	WD FLR-1	Solid pine plank floor, 1 " thick, various widths (Shane cabin flooring)
WD FURG	**WOOD FURRING**	
	WD FURG-1	Pressure preservative treated wood in sizes as indicated
WD PNLG	**WOOD PANELING**	
	WD PNLG-1	SoundPly Lino pass-through acoustical core plank ¾" thick x 5-1/2" wide with micro-perforated WD-1 veneer and clip installation system
	WD PNLG-2	Flush panels, WD-1 veneer on 3/4" MDF core; concealed z-clip mounting
WD ROOF	**WOOD ROOFING**	
	WD ROOF-1	Western Red Cedar shingles; sawn 16" long with 5-1/2" exposure
WD SHTG	**WOOD SHEATHING**	
	WD SHTG-1	15/32" thick plywood
	WD SHTG-2	3/4" thick OSB
WD STUD	**WOOD STUD**	
	WD STUD-1	Timberstrand LSL stud framing by Weyerhauser in sizes as indicated
WDW	**WOOD WINDOW**	
	WDW-1	Direct glaze stationary window by Marvin. Unfinished wood exterior and unfinished wood interior, 1" double-glazed IGU with simulated divided lights, Low-E1, argon gas-filled, 4-9/16" jambs. Field finish.
WT	**WINDOW TREATMENT**	
	WT-1	Lutron Sivoia QS motorized shades, Basketweave 90, White 5%
	WT-2	Lutron manual shades, Basketweave 90, White 5%

HGA

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LANDSCAPE / STRUCTURAL / MECHANICAL / ELECTRICAL / PLUMBING / FIRE PROTECTION / LIGHTING
HGA

JACKSON HOLE HISTORICAL SOCIETY & MUSEUM

NOT FOR CONSTRUCTION

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4720-001-00

MATERIAL I.D. CODES

DATE: JUNE 18, 2021

TOWN OF JACKSON
PRE-APPLICATION SUBMITTAL

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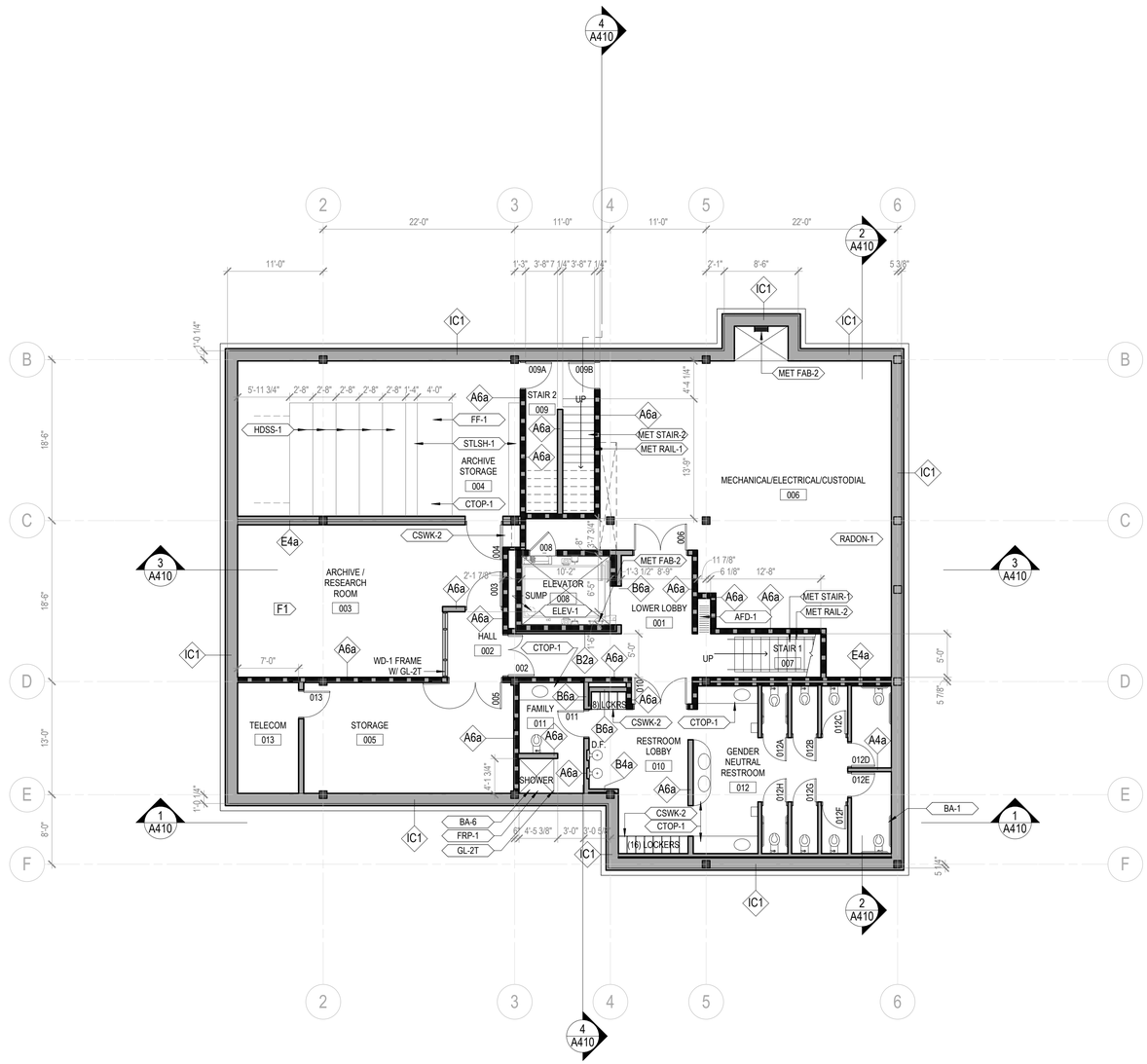

1 FLOOR PLAN - BASEMENT
1/8" = 1'-0"

GENERAL NOTES - FLOOR PLAN

A. ALL INTERIOR PARTITIONS SHALL BE **"A6a"** UNLESS NOTED OTHERWISE.
B. PLAN DIMENSIONS ARE FROM FACE OF PARTITION TYPE AND DO NOT INCLUDE APPLIED FINISHES, UNLESS NOTED OTHERWISE. PLAN DIMENSIONS INDICATED AS "HOLD" OR "CLEAR" DIMENSIONS ARE FROM FACE OF APPLIED FINISH.
C. INSTALL WORK STRAIGHT, PLUMB, LEVEL, SQUARE, AND TRUE, IN PROPER ALIGNMENT.
D. FLATNESS: LEVEL FLOORS TO TRUE PLANE WITHIN 1/4 INCH (6 MM) IN 10'-0" (3 M) WHEN TESTED BY TEN FOOT (3 M) STRAIGHTEDGE PLACED ANYWHERE ON FLOOR IN ANY DIRECTION.
E. BEFORE PROCEEDING WITH PARTITION FRAMING, PROVIDE LAYOUT MARKINGS OF PARTITIONS AND ASSOCIATED IN-WALL ELECTRICAL DEVICES ON SUBFLOOR FOR REVIEW BY ARCHITECT. BEFORE PROCEEDING WITH PARTITION FRAMING, PROVIDE LAYOUT MARKINGS OF PARTITIONS AND ASSOCIATED IN-WALL ELECTRICAL DEVICES ON SUBFLOOR FOR REVIEW BY ARCHITECT.
F. COORDINATE FURNITURE-RELATED ELECTRICAL LAYOUT WITH FURNITURE VENDOR.
G. WHERE HANDRAILS, GRAB BARS, CABINETS, WALL-MOUNTED DOOR STOPS, OR OTHER WALL-HUNG ITEMS ARE ATTACHED TO PARTITIONS, INSTALL BACKER PLATES [OR WOOD BLOCKING] ACCURATELY POSITIONED AND FIRMLY SECURED TO METAL STUDS, WHETHER OR NOT SUCH BACKER PLATES OR BLOCKING ARE INDICATED ON DRAWINGS.
H. PRIOR TO CONCEALMENT OF FIRE RESISTIVE MATERIALS BY OTHER WORK, PATCH AND REPAIR AREAS OF REMOVED OR DAMAGED APPLIED FIREPROOFING. COMPLETE PATCHING AND REPAIR TO MAINTAIN EXISTING FIRE-RESISTANCE DESIGN IN ACCORDANCE WITH FIREPROOFING MANUFACTURER'S WRITTEN INSTRUCTIONS FOR CONDITIONS OF EXPOSURE AND INTENDED USE. COORDINATE TESTING AND INSPECTION OF ASSEMBLIES AS REQUIRED BY AUTHORITIES HAVING JURISDICTION.
I. PROVIDE FIRESTOPPING OF PENETRATIONS AND VOIDS THROUGH FIRE-RATED WALL, FLOOR AND PARTITION ASSEMBLIES [AND ROOF] INCLUDING EMPTY OPENINGS AND OPENINGS CONTAINING CABLES, PIPES, DUCTS, CONDUIT AND OTHER ELEMENTS.
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CONSTRUCTION PLAN LEGEND

SEE A010 FOR ALL GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS

(E) CONSTRUCTION TO REMAIN	
(N) CONSTRUCTION	
TEMPORARY CONSTRUCTION	

ASSEMBLY RATING

0	ZERO HOUR
1	ONE HOUR RATED
2	TWO HOUR RATED
3	THREE HOUR RATED
4	FOUR HOUR RATED

TYPE OF ASSEMBLY

W	FIRE WALL	S	SMOKE BARRIER
B	FIRE BARRIER	SP	SMOKE PARTITIONS
P	FIRE PARTITION	ST	RESIST PASSAGE OF SMOKE
E	EXISTING AND RATED		

XXX — DOOR TAG
SEE DOOR SCHEDULE AND LEGEND FOR ADDITIONAL INFORMATION

INTERIOR PARTITION TAG
SEE PARTITION SHEET FOR ADDITIONAL INFORMATION

XX — WINDOW TAG
SEE DOOR SCHEDULE AND LEGEND FOR ADDITIONAL INFORMATION

TACTILE EXIT SIGNAGE

KEYNOTES

#	DESCRIPTION
F1	SEE FINISH PLANS A26X SERIES & BUILDING SECTIONS A410 FOR CASEWORK, TYP.

HGA

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HGA

JACKSON HOLE HISTORICAL SOCIETY & MUSEUM

NOT FOR CONSTRUCTION

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4720-001-00

FLOOR PLAN BASEMENT

DATE: JUNE 18, 2021

TOWN OF JACKSON
PRE-APPLICATION SUBMITTAL

A200

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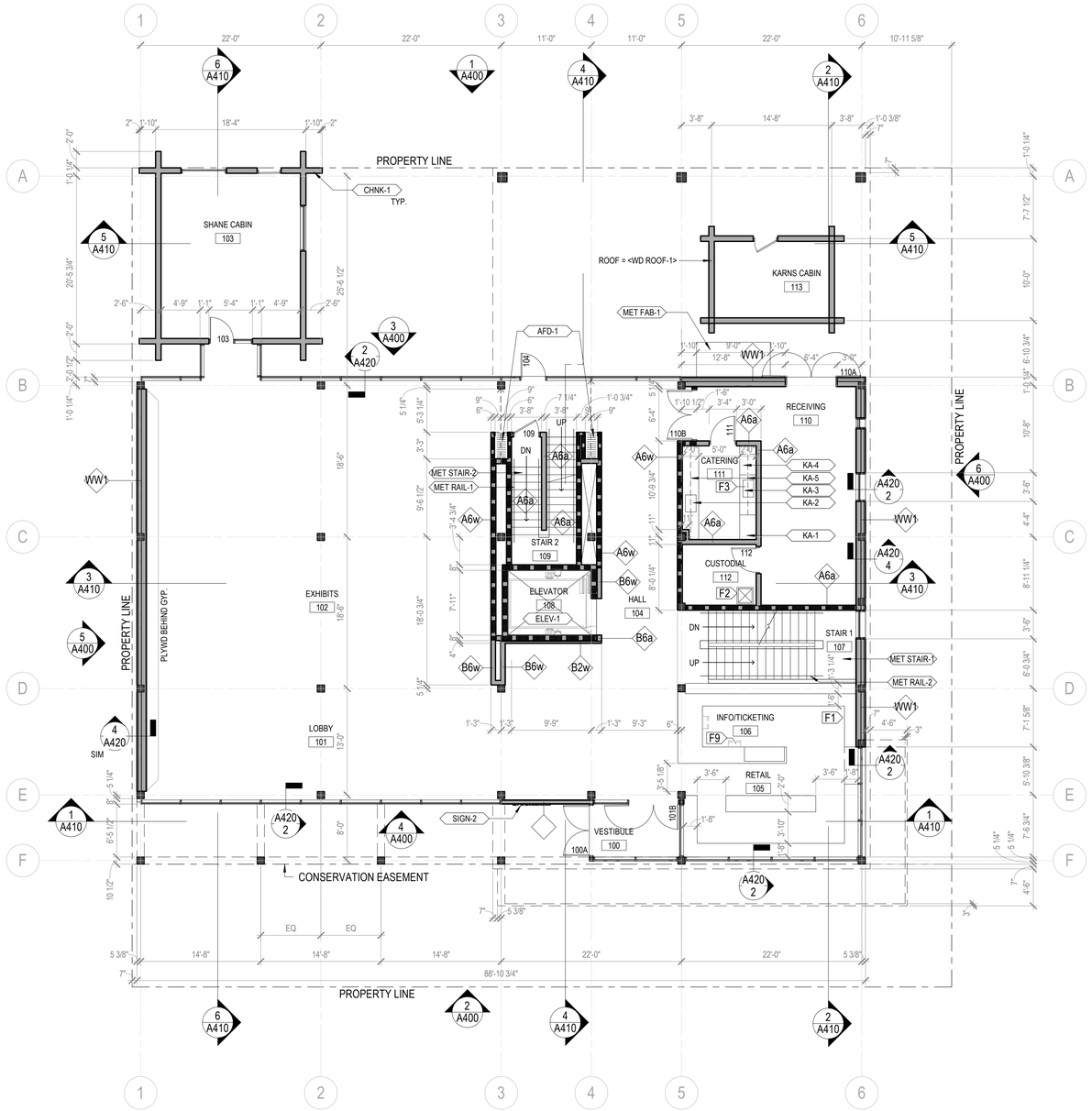

1 FLOOR PLAN - LEVEL 01
1/8" = 1'-0"

GENERAL NOTES - FLOOR PLAN

A. ALL INTERIOR PARTITIONS SHALL BE **"A6a"** UNLESS NOTED OTHERWISE.
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CONSTRUCTION PLAN LEGEND

SEE A010 FOR ALL GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS

(E) CONSTRUCTION TO REMAIN	
(N) CONSTRUCTION	
TEMPORARY CONSTRUCTION	

ASSEMBLY RATING

0	ZERO HOUR
1	ONE HOUR RATED
2	TWO HOUR RATED
3	THREE HOUR RATED
4	FOUR HOUR RATED

TYPE OF ASSEMBLY

W	FIRE WALL	S	SMOKE BARRIER
B	FIRE BARRIER	SP	SMOKE PARTITIONS
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E	EXISTING AND RATED		

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INTERIOR PARTITION TAG
SEE PARTITION SHEET FOR ADDITIONAL INFORMATION

XX — WINDOW TAG
SEE DOOR SCHEDULE AND LEGEND FOR ADDITIONAL INFORMATION

TACTILE EXIT SIGNAGE

KEYNOTES

#	DESCRIPTION
F1	SEE FINISH PLANS A26X SERIES & BUILDING SECTIONS A410 FOR CASEWORK, TYP.
F2	UTILITY SINK
F3	SINK
F9	FURNITURE, FIXTURES, & EQUIPMENT (F.F.E.) NOT IN CONTRACT

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LANDSCAPE / STRUCTURAL / MECHANICAL / ELECTRICAL / PLUMBING / FIRE PROTECTION / LIGHTING
HGA

JACKSON HOLE HISTORICAL SOCIETY & MUSEUM

NOT FOR CONSTRUCTION

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4720-001-00

FLOOR PLAN LEVEL 01

DATE: JUNE 18, 2021

TOWN OF JACKSON
PRE-APPLICATION SUBMITTAL

A201

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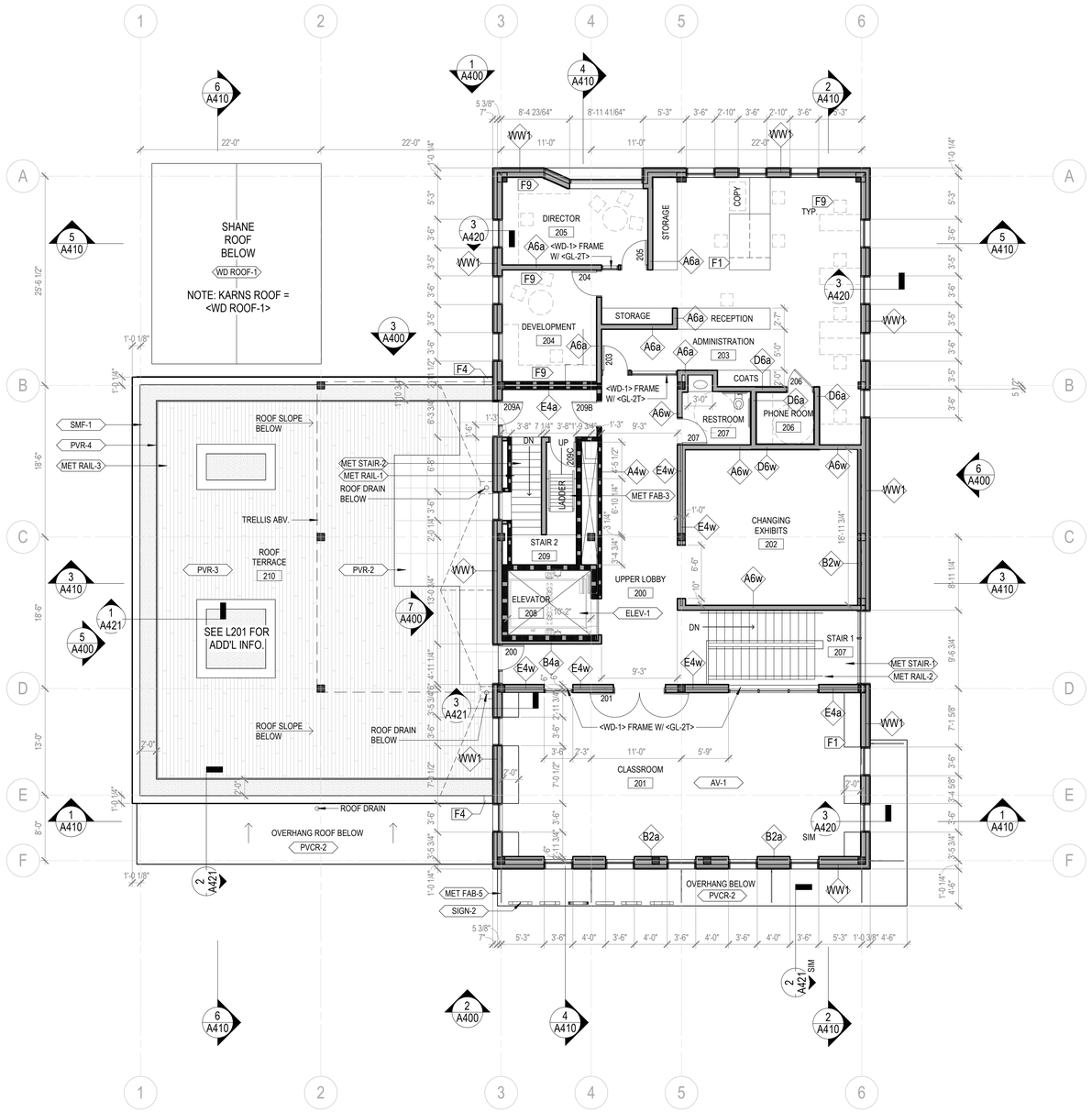

1 FLOOR PLAN - LEVEL 02

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CONSTRUCTION PLAN LEGEND

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	(N) CONSTRUCTION
	TEMPORARY CONSTRUCTION

ASSEMBLY RATING

0	ZERO HOUR
1	ONE HOUR RATED
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TYPE OF ASSEMBLY

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B	FIRE BARRIER	SP	SMOKE PARTITIONS
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INTERIOR PARTITION TAG
SEE PARTITION SHEET FOR ADDITIONAL INFORMATION

XX — WINDOW TAG
SEE DOOR SCHEDULE AND LEGEND FOR ADDITIONAL INFORMATION

TACTILE EXIT SIGNAGE

KEYNOTES

#	DESCRIPTION
F1	SEE FINISH PLANS A26X SERIES & BUILDING SECTIONS A410 FOR CASEWORK, TYP.
F4	OVERFLOW SCUPPER
F9	FURNITURE, FIXTURES, & EQUIPMENT (F.F.E.) NOT IN CONTRACT

HGA

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LANDSCAPE
HGA

STUCTURAL ENGINEER
HGA

MECHANICAL / ELECTRICAL / PLUMBING / FIRE PROTECTION
HGA

LIGHTING
HGA

JACKSON HOLE HISTORICAL SOCIETY & MUSEUM

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4720-001-00

FLOOR PLAN LEVEL 02

DATE: JUNE 18, 2021

TOWN OF JACKSON
PRE-APPLICATION SUBMITTAL

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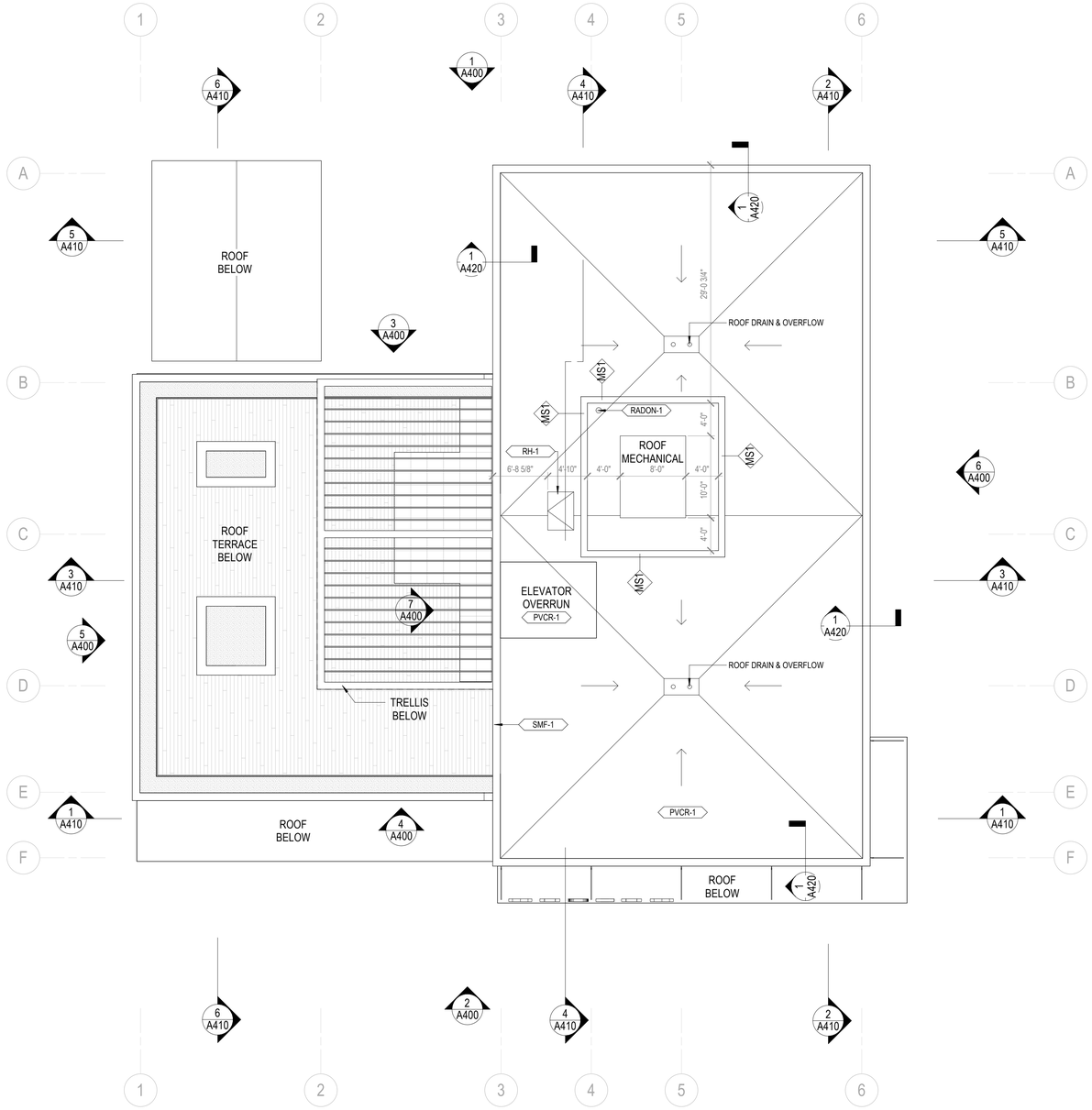

1 FLOOR PLAN - ROOF
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B. PLAN DIMENSIONS ARE FROM FACE OF PARTITION TYPE AND DO NOT INCLUDE APPLIED FINISHES, UNLESS NOTED OTHERWISE. PLAN DIMENSIONS INDICATED AS "HOLD" OR "CLEAR" DIMENSIONS ARE FROM FACE OF APPLIED FINISH.
C. INSTALL WORK STRAIGHT, PLUMB, LEVEL, SQUARE, AND TRUE, IN PROPER ALIGNMENT.
D. FLATNESS: LEVEL FLOORS TO TRUE PLANE WITHIN 1/4 INCH (6 MM) IN 10'-0" (3 M) WHEN TESTED BY TEN FOOT (3 M) STRAIGHTEDGE PLACED ANYWHERE ON FLOOR IN ANY DIRECTION.
E. BEFORE PROCEEDING WITH PARTITION FRAMING, PROVIDE LAYOUT MARKINGS OF PARTITIONS AND ASSOCIATED IN-WALL ELECTRICAL DEVICES ON SUBFLOOR FOR REVIEW BY ARCHITECT. BEFORE PROCEEDING WITH PARTITION FRAMING, PROVIDE LAYOUT MARKINGS OF PARTITIONS AND ASSOCIATED IN-WALL ELECTRICAL DEVICES ON SUBFLOOR FOR REVIEW BY ARCHITECT.
F. COORDINATE FURNITURE-RELATED ELECTRICAL LAYOUT WITH FURNITURE VENDOR.
G. WHERE HANDRAILS, GRAB BARS, CABINETS, WALL-MOUNTED DOOR STOPS, OR OTHER WALL-HUNG ITEMS ARE ATTACHED TO PARTITIONS, INSTALL BACKER PLATES [OR WOOD BLOCKING] ACCURATELY POSITIONED AND FIRMLY SECURED TO METAL STUDS, WHETHER OR NOT SUCH BACKER PLATES OR BLOCKING ARE INDICATED ON DRAWINGS.
H. PRIOR TO CONCEALMENT OF FIRE RESISTIVE MATERIALS BY OTHER WORK, PATCH AND REPAIR AREAS OF REMOVED OR DAMAGED APPLIED FIREPROOFING. COMPLETE PATCHING AND REPAIR TO MAINTAIN EXISTING FIRE-RESISTANCE DESIGN IN ACCORDANCE WITH FIREPROOFING MANUFACTURER'S WRITTEN INSTRUCTIONS FOR CONDITIONS OF EXPOSURE AND INTENDED USE. COORDINATE TESTING AND INSPECTION OF ASSEMBLIES AS REQUIRED BY AUTHORITIES HAVING JURISDICTION.
I. PROVIDE FIRESTOPPING OF PENETRATIONS AND VOIDS THROUGH FIRE-RATED WALL, FLOOR AND PARTITION ASSEMBLIES [AND ROOF] INCLUDING EMPTY OPENINGS AND OPENINGS CONTAINING CABLES, PIPES, DUCTS, CONDUIT AND OTHER ELEMENTS.
J. AT SOUND-RATED PARTITION WALLS, PROVIDE CONTINUOUS BEAD OF ACOUSTICAL SEALANT AT AT JUNCTURE OF BOTH FACES OF RUNNERS OR PLATES WITH FLOOR AND CEILING CONSTRUCTION, AND WHEREVER GYPSUM BOARD ABUTS DISSIMILAR MATERIALS.
   - AT OPENINGS AND CUTOUTS, FILL OPEN SPACES BETWEEN GYPSUM BOARD AND FIXTURES, CABINETS, DUCTS AND OTHER FLUSH OR PENETRATING ITEMS, WITH CONTINUOUS BEAD OF SEALANT.
   - SEAL SIDES AND BACKS OF ELECTRICAL BOXES TO COMPLETELY CLOSE OFF OPENINGS AND JOINTS.

CONSTRUCTION PLAN LEGEND

SEE A010 FOR ALL GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS

	(E) CONSTRUCTION TO REMAIN
	(N) CONSTRUCTION
	TEMPORARY CONSTRUCTION

ASSEMBLY RATING

0	ZERO HOUR
1	ONE HOUR RATED
2	TWO HOUR RATED
3	THREE HOUR RATED
4	FOUR HOUR RATED

TYPE OF ASSEMBLY

W	FIRE WALL	S	SMOKE BARRIER
B	FIRE BARRIER	SP	SMOKE PARTITIONS
P	FIRE PARTITION	ST	RESIST PASSAGE OF SMOKE
E	EXISTING AND RATED		

XXX — DOOR TAG
SEE DOOR SCHEDULE AND LEGEND FOR ADDITIONAL INFORMATION

INTERIOR PARTITION TAG
SEE PARTITION SHEET FOR ADDITIONAL INFORMATION

XX — WINDOW TAG
SEE DOOR SCHEDULE AND LEGEND FOR ADDITIONAL INFORMATION

TACTILE EXIT SIGNAGE

KEYNOTES

#	DESCRIPTION

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NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4720-001-00

ROOF PLAN

DATE: JUNE 18, 2021

TOWN OF JACKSON PRE-APPLICATION SUBMITTAL

A203

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ROOM FINISH SCHEDULE - BASEMENT

ROOM NUMBER	ROOM NAME	FLOOR		WALLS				CASEWORK		NOTES
		FINISH	BASE	NORTH	EAST	SOUTH	WEST	CABINET	COUNTERTOP	
001	LOWER LOBBY	CT-2	WD-2	PT-1	PT-1	PT-1	PT-1			GYP. BD LEVEL 5 FINISH
002	HALL	CT-2	WD-2	PT-1	PT-1		PT-1			GYP. BD LEVEL 5 FINISH
003	ARCHIVE / RESEARCH ROOM	CPT-1	WD-2	FELT-1	PT-1	PT-1	PT-1			GYP. BD LEVEL 5 FINISH
004	ARCHIVE STORAGE	CONC FIN-3	RB-1	CONC FIN-4	PT-1	PT-1	CONC FIN-4			GYP. BD LEVEL 5 FINISH
005	STORAGE	CONC FIN-3	RB-1	PT-1	PT-1	CONC FIN-4	PT-1			GYP. BD LEVEL 3 FINISH
006	MECHANICAL/ELECTRICAL/ CUSTODIAL	CONC FIN-3	RB-1	CONC FIN-4	CONC FIN-4	PT-1	PT-1			GYP. BD LEVEL 3 FINISH
007	STAIR 1	WD FLR-1	WD-2	PT-1	PT-1	PT-1	PT-1			GYP. BD LEVEL 5 FINISH
008	ELEVATOR	RF-1								
009	STAIR 2	CT-2		CONC FIN-4	PT-1	PT-1	PT-1			GYP. BD LEVEL 5 FINISH
010	RESTROOM LOBBY	CT-2	CT-1	PT-1	PT-1	PT-1	PT-1			GYP. BD LEVEL 5 FINISH
011	FAMILY	CT-2	CT-1	CT-1 / GL-4	CT-1	CT-1	CT-1			GYP. BD LEVEL 5 FINISH
012	GENDER NEUTRAL RESTROOM	CT-2	CT-1	CT-1	CT-1	CT-1	CT-1 / GL-4			GYP. BD LEVEL 5 FINISH
013	TELECOM	CONC FIN-3	RB-1	PT-1	PT-1	CONC FIN-4	CONC FIN-4			GYP. BD LEVEL 3 FINISH

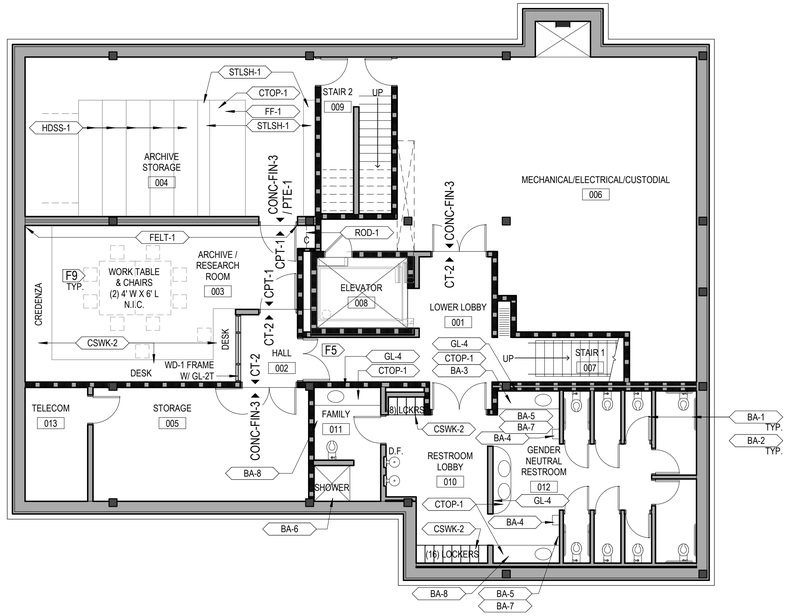
LIBRARY SHELVING
13' L X 8 SHELVES X 1'-4" D = 104 LF

LIBRARY - RARE BOOKS
13' L X 8 SHELVES X 1'-4" D = 104 LF

FLAT FILES
13' L X 3'-0" H X 4'-0" D

MOBILE SHELVING (100 CF)
13' L X 8 SHELVES X 1'-4" D X 10 UNITS = 1040 LF

[13'L X 8' H X 2'-8" D = 1,383 CF]



1 OVERALL FLOOR FINISH PLAN - BASEMENT
1/8" = 1'-0"

GENERAL NOTES - FINISH PLAN

A. REFER TO MATERIAL IDENTIFICATION SCHEDULE FOR TYPICAL FINISHES AND PRODUCT INFORMATION.
B. CENTER CARPET TILE AND RESILIENT FLOOR TILE ABOUT ROOM AXES LEAVING EQUAL BORDER UNITS, UNLESS OTHERWISE INDICATED ON DRAWINGS. ADJUST SO THAT PERIMETER TILES ARE NOT LESS THAN ONE-HALF OF TILE WIDTH. DO NOT CUT FIELD TILES.
C. CUT AND FIT CARPET TILE TO BUTT TIGHTLY TO VERTICAL SURFACES, PERMANENT FIXTURES, AND BUILT-IN FURNITURE.
D. INSTALL CARPET AND RESILIENT FLOOR TILE PATTERNS PARALLEL TO WALLS AND BORDERS, UNLESS INDICATED OTHERWISE ON DRAWINGS.
E. PROVIDE FLOOR TRANSITIONS AND CHANGES IN LEVEL COMPLYING WITH REQUIREMENTS OF APPLICABLE BUILDING CODES AND AUTHORITIES HAVING JURISDICTION.
F. PROVIDE LEVELS OF GYPSUM BOARD FINISH FOR LOCATIONS AS FOLLOWS:
   - LEVEL 1: CEILING PLENUM AREAS AND CONCEALED AREAS, EXCEPT PROVIDE HIGHER LEVEL OF FINISH AS REQUIRED TO COMPLY WITH FIRE RESISTANCE RATINGS AND ACOUSTICAL RATINGS.
   - LEVEL 2: GYPSUM BOARD BELOW TILE AND BELOW STONE, EXCEPT REMOVE TOOL MARKS AND RIDGES.
   - LEVEL 4: WHERE INDICATED
   - LEVEL 5: GYPSUM BOARD SURFACES, EXCEPT WHERE ANOTHER FINISH LEVEL IS INDICATED.
G. PROTECT NEW WORK AND EXISTING CONSTRUCTION TO REMAIN FROM DAMAGE THROUGHOUT CONSTRUCTION PERIOD.
H. DO NOT LOCATE ELECTRICAL OR DATA/TELECOMMUNICATION DEVICES ON SURFACES INCLUDING, BUT NOT LIMITED TO, ACCENT PAINTS, MARKER BOARDS, AND FABRIC WRAPPED PANELS. REFER TO SPECIFICATIONS FOR SUBMITTAL REQUIREMENTS FOR DEVICE LOCATIONS.

FINISH LEGEND

SEE A010/A011 FOR ALL GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS

Material ▸ ◂ Material — MATERIAL TRANSITION

FLOOR PATTERN DIRECTIONAL SYMBOL

KEYNOTES

#	DESCRIPTION
F5	FLOORS = <CONC FIN-2> U.N.O.; WALLS = <PT-1> U.N.O
F9	FURNITURE, FIXTURES, & EQUIPMENT (F.F.E.) NOT IN CONTRACT

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JACKSON HOLE HISTORICAL SOCIETY & MUSEUM

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4720-001-00

FLOOR FINISH PLAN BASEMENT

DATE: JUNE 18, 2021

TOWN OF JACKSON PRE-APPLICATION SUBMITTAL

A260

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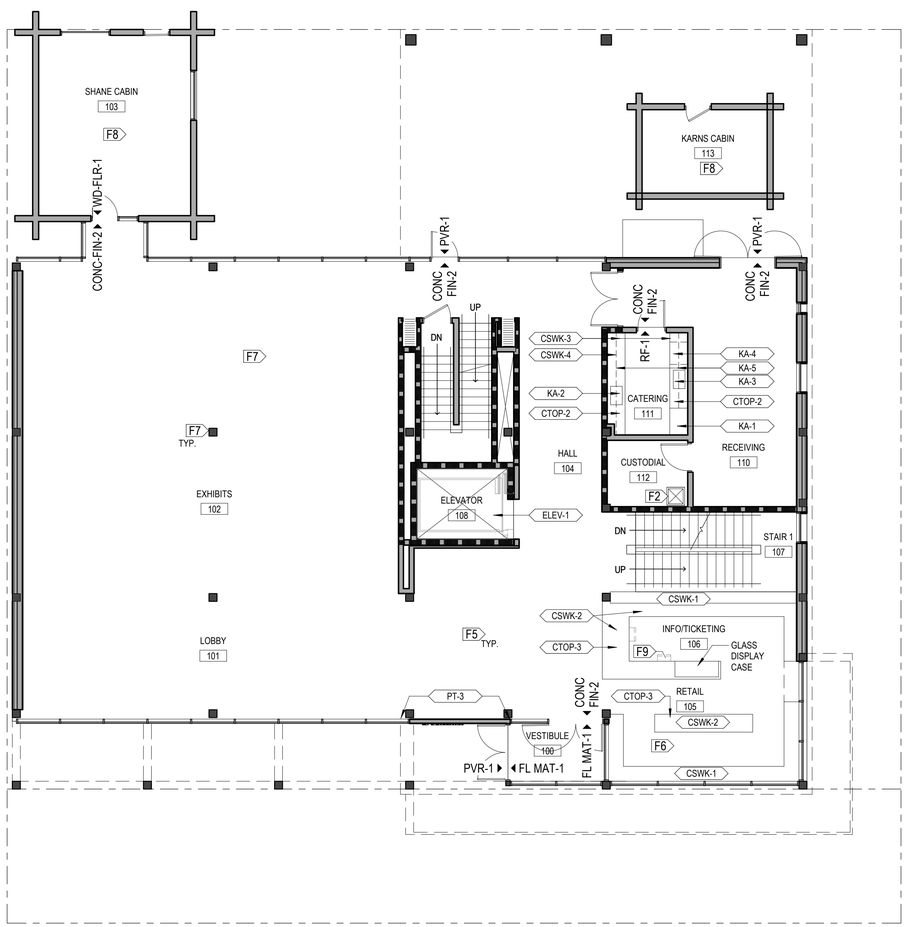
ROOM FINISH SCHEDULE - LEVEL 01

ROOM NUMBER	ROOM NAME	FLOOR		WALLS				CASEWORK		NOTES
		FINISH	BASE	NORTH	EAST	SOUTH	WEST	CABINET	COUNTERTOP	
100	VESTIBULE	FL MAT-1								
101	LOBBY	CONC FIN-2	WD-2			CW-1 / PT-3	PT-1			GYP. BD LEVEL 5 FINISH
102	EXHIBITS	CONC FIN-2	WD-2	CW-1	PT-1		PT-1			GYP. BD LEVEL 5 FINISH
103	SHANE CABIN	WD FLR-1	-	-	-	-	-			PT-5 ON EXTERIOR/INTERIOR WALLS
104	HALL	CONC FIN-2	WD-2	CW-1	PT-1		PT-1			GYP. BD LEVEL 5 FINISH
105	RETAIL	CONC FIN-2	WD-2			CW-1				
106	INFO/TICKETING	CONC FIN-2								
107	STAIR 1	WD FLR-1		PT-1	CW-1 / PT-1					GYP. BD LEVEL 5 FINISH
108	ELEVATOR	RF-1								
109	STAIR 2	CT-2		CW-1	PT-1	PT-1	PT-1			GYP. BD LEVEL 5 FINISH
110	RECEIVING	PTE-1	RB-1	PT-1	PT-1	PT-1	PT-1			GYP. BD LEVEL 3 FINISH
111	CATERING	RF-1	CT-1	PT-1	PT-1	PT-1	PT-1			GYP. BD LEVEL 3 FINISH
112	CUSTODIAL	PTE-1	-	FRP-1	FRP-1	FRP-1	FRP-1			GYP. BD LEVEL 3 FINISH
113	KARNS CABIN	CONC FIN-1	-	-	-	-	-			PT-5 ON EXTERIOR/INTERIOR WALLS



1 OVERALL FLOOR FINISH PLAN - LEVEL 01
1/8" = 1'-0"

GENERAL NOTES - FINISH PLAN

A. REFER TO MATERIAL IDENTIFICATION SCHEDULE FOR TYPICAL FINISHES AND PRODUCT INFORMATION.
B. CENTER CARPET TILE AND RESILIENT FLOOR TILE ABOUT ROOM AXES LEAVING EQUAL BORDER UNITS, UNLESS OTHERWISE INDICATED ON DRAWINGS. ADJUST SO THAT PERIMETER TILES ARE NOT LESS THAN ONE-HALF OF TILE WIDTH. DO NOT CUT FIELD TILES.
C. CUT AND FIT CARPET TILE TO BUTT TIGHTLY TO VERTICAL SURFACES, PERMANENT FIXTURES, AND BUILT-IN FURNITURE.
D. INSTALL CARPET AND RESILIENT FLOOR TILE PATTERNS PARALLEL TO WALLS AND BORDERS, UNLESS INDICATED OTHERWISE ON DRAWINGS.
E. PROVIDE FLOOR TRANSITIONS AND CHANGES IN LEVEL COMPLYING WITH REQUIREMENTS OF APPLICABLE BUILDING CODES AND AUTHORITIES HAVING JURISDICTION.
F. PROVIDE LEVELS OF GYPSUM BOARD FINISH FOR LOCATIONS AS FOLLOWS:
   - LEVEL 1: CEILING PLENUM AREAS AND CONCEALED AREAS, EXCEPT PROVIDE HIGHER LEVEL OF FINISH AS REQUIRED TO COMPLY WITH FIRE RESISTANCE RATINGS AND ACOUSTICAL RATINGS.
   - LEVEL 2: GYPSUM BOARD BELOW TILE AND BELOW STONE, EXCEPT REMOVE TOOL MARKS AND RIDGES.
   - LEVEL 4: WHERE INDICATED
   - LEVEL 5: GYPSUM BOARD SURFACES, EXCEPT WHERE ANOTHER FINISH LEVEL IS INDICATED.
G. PROTECT NEW WORK AND EXISTING CONSTRUCTION TO REMAIN FROM DAMAGE THROUGHOUT CONSTRUCTION PERIOD.
H. DO NOT LOCATE ELECTRICAL OR DATA/TELECOMMUNICATION DEVICES ON SURFACES INCLUDING, BUT NOT LIMITED TO, ACCENT PAINTS, MARKER BOARDS, AND FABRIC WRAPPED PANELS. REFER TO SPECIFICATIONS FOR SUBMITTAL REQUIREMENTS FOR DEVICE LOCATIONS.

FINISH LEGEND

SEE A010/A011 FOR ALL GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS

Material ▸ ◂ Material — MATERIAL TRANSITION

FLOOR PATTERN DIRECTIONAL SYMBOL

KEYNOTES

#	DESCRIPTION
F2	UTILITY SINK
F5	FLOORS = <CONC FIN-2> U.N.O.; WALLS = <PT-1> U.N.O
F6	SEE RENDERINGS SHEET A802 FOR MILLWORK INTENT @ RETAIL 105
F7	ALL STRUCTURAL COLUMNS AND BEAMS EXPOSED TO VIEW IN THE FINISHED WORK TO RECEIVE <PT-4> FINISH
F8	<PT-5> ON HISTORIC CABINS
F9	FURNITURE, FIXTURES, & EQUIPMENT (F.F.E.) NOT IN CONTRACT

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NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4720-001-00

FLOOR FINISH PLAN LEVEL 01

DATE: JUNE 18, 2021

TOWN OF JACKSON PRE-APPLICATION SUBMITTAL

A261

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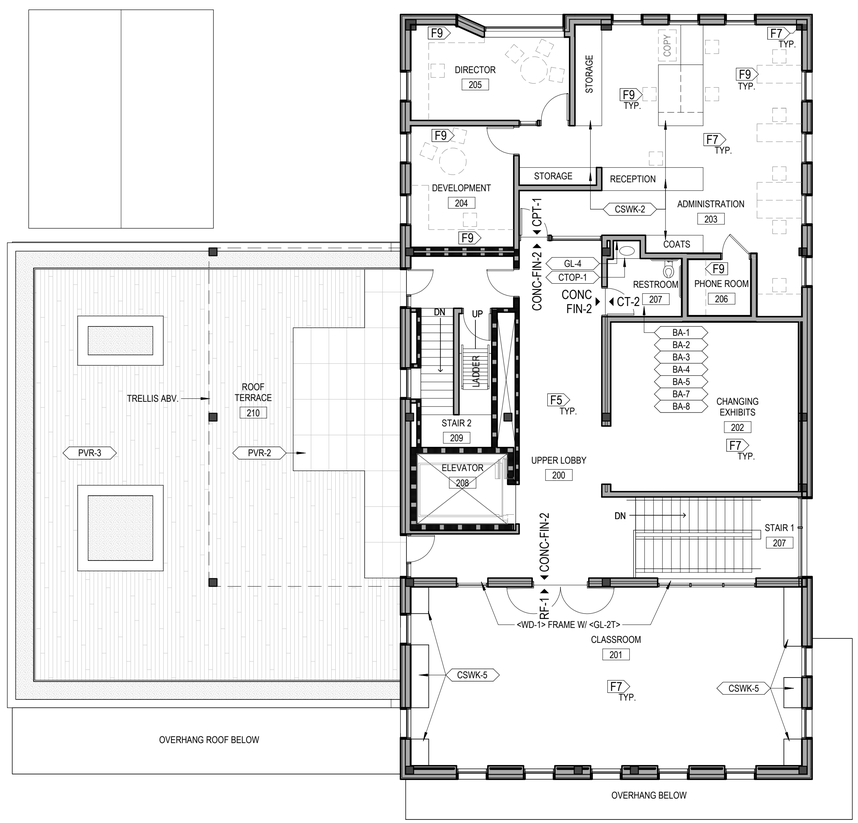
ROOM FINISH SCHEDULE - LEVEL 02

ROOM NUMBER	ROOM NAME	FLOOR		WALLS				CASEWORK		NOTES
		FINISH	BASE	NORTH	EAST	SOUTH	WEST	CABINET	COUNTERTOP	
200	UPPER LOBBY	CONC FIN-2	WD-2	PT-1	PT-1	PT-1	PT-1			GYP. BD LEVEL 5 FINISH
201	CLASSROOM	RF-1	WD-2	PT-1	CSWK-5	PT-1	CSWK-5			GYP. BD LEVEL 5 FINISH
202	CHANGING EXHIBITS	CONC FIN-2	WD-2	PT-1	PT-1	PT-1	PT-1			GYP. BD LEVEL 5 FINISH
203	ADMINISTRATION	CPT-1	WD-2	PT-1	PT-1	PT-1	PT-1			GYP. BD LEVEL 5 FINISH
204	DEVELOPMENT	CPT-1	WD-2	PT-1	PT-1	PT-1	PT-1			GYP. BD LEVEL 5 FINISH
205	DIRECTOR	CPT-1	WD-2	PT-1	PT-1	PT-1	PT-1			GYP. BD LEVEL 5 FINISH
206	PHONE ROOM	CPT-1	WD-2	PT-1	PT-1	PT-1	PT-1			GYP. BD LEVEL 5 FINISH
207	RESTROOM	CT-2	CT-1	CT-1	CT-1	CT-1	CT-1			GYP. BD LEVEL 5 FINISH
207	STAIR 1	WD FLR-1		PT-1	CW-1	PT-1				GYP. BD LEVEL 5 FINISH
208	ELEVATOR	RF-1								
209	STAIR 2	CT-2		PT-1	PT-1	PT-1	PT-1			GYP. BD LEVEL 5 FINISH
210	ROOF TERRACE	PVR-2/3								



1 OVERALL FLOOR FINISH PLAN - LEVEL 02
1/8" = 1'-0"

GENERAL NOTES - FINISH PLAN

A. REFER TO MATERIAL IDENTIFICATION SCHEDULE FOR TYPICAL FINISHES AND PRODUCT INFORMATION.
B. CENTER CARPET TILE AND RESILIENT FLOOR TILE ABOUT ROOM AXES LEAVING EQUAL BORDER UNITS, UNLESS OTHERWISE INDICATED ON DRAWINGS. ADJUST SO THAT PERIMETER TILES ARE NOT LESS THAN ONE-HALF OF TILE WIDTH. DO NOT CUT FIELD TILES.
C. CUT AND FIT CARPET TILE TO BUTT TIGHTLY TO VERTICAL SURFACES, PERMANENT FIXTURES, AND BUILT-IN FURNITURE.
D. INSTALL CARPET AND RESILIENT FLOOR TILE PATTERNS PARALLEL TO WALLS AND BORDERS, UNLESS INDICATED OTHERWISE ON DRAWINGS.
E. PROVIDE FLOOR TRANSITIONS AND CHANGES IN LEVEL COMPLYING WITH REQUIREMENTS OF APPLICABLE BUILDING CODES AND AUTHORITIES HAVING JURISDICTION.
F. PROVIDE LEVELS OF GYPSUM BOARD FINISH FOR LOCATIONS AS FOLLOWS:
   - LEVEL 1: CEILING PLENUM AREAS AND CONCEALED AREAS, EXCEPT PROVIDE HIGHER LEVEL OF FINISH AS REQUIRED TO COMPLY WITH FIRE RESISTANCE RATINGS AND ACOUSTICAL RATINGS.
   - LEVEL 2: GYPSUM BOARD BELOW TILE AND BELOW STONE, EXCEPT REMOVE TOOL MARKS AND RIDGES.
   - LEVEL 4: WHERE INDICATED
   - LEVEL 5: GYPSUM BOARD SURFACES, EXCEPT WHERE ANOTHER FINISH LEVEL IS INDICATED.
G. PROTECT NEW WORK AND EXISTING CONSTRUCTION TO REMAIN FROM DAMAGE THROUGHOUT CONSTRUCTION PERIOD.
H. DO NOT LOCATE ELECTRICAL OR DATA/TELECOMMUNICATION DEVICES ON SURFACES INCLUDING, BUT NOT LIMITED TO, ACCENT PAINTS, MARKER BOARDS, AND FABRIC WRAPPED PANELS. REFER TO SPECIFICATIONS FOR SUBMITTAL REQUIREMENTS FOR DEVICE LOCATIONS.

FINISH LEGEND

SEE A010/A011 FOR ALL GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS

Material ▸ ◂ Material — MATERIAL TRANSITION

FLOOR PATTERN DIRECTIONAL SYMBOL

KEYNOTES

#	DESCRIPTION
F5	FLOORS = <CONC FIN-2> U.N.O.; WALLS = <PT-1> U.N.O
F7	ALL STRUCTURAL COLUMNS AND BEAMS EXPOSED TO VIEW IN THE FINISHED WORK TO RECEIVE <PT-4> FINISH
F9	FURNITURE, FIXTURES, & EQUIPMENT (F.F.E.) NOT IN CONTRACT

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NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4720-001-00

FLOOR FINISH PLAN LEVEL 02

DATE: JUNE 18, 2021

TOWN OF JACKSON
PRE-APPLICATION SUBMITTAL

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KEYNOTES

#	DESCRIPTION

GENERAL NOTES - CEILING PLAN

A. CEILING HEIGHTS ARE DIMENSIONED FROM FLOOR DATUM ELEVATION TO FINISHED CEILING, UNLESS OTHERWISE NOTED.
B. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION RELATIVE TO DEVICE AND FIXTURE LOCATIONS.
C. COORDINATE INTEGRATION OF CEILING SYSTEMS WORK INCLUDING, BUT NOT LIMITED TO, MECHANICAL, ELECTRICAL, SPRINKLER AND FIRE PROTECTION, TELECOMMUNICATIONS, AND STRUCTURAL SYSTEMS, TO MAINTAIN CEILING HEIGHT INDICATED. NOTIFY ARCHITECT OF CONFLICTS PRIOR TO PROCEEDING WITH THE WORK.
D. LOCATE COMPONENTS WITHIN CEILING PLENUM TO MAXIMIZE CLEAR AREA FOR INSTALLATION OF LIGHT FIXTURES AND ACCOMMODATE FIXTURE LAYOUT AS INDICATED.
E. WHERE DOORS WITH HOLD-OPEN DEVICES ARE REQUIRED, PROVIDE SMOKE DETECTOR WITHIN 5 FEET OF OPENING ON BOTH SIDES OF DOORWAY. VERIFY LOCATION OF SMOKE DETECTORS WITH ARCHITECT PRIOR TO INSTALLATION.
F. PROVIDE ACCESS PANELS AT GYPSUM BOARD CEILINGS AND WHERE ACCESS IS REQUIRED FOR ITEMS OF MECHANICAL, PLUMBING AND ELECTRICAL WORK LOCATED BEHIND OR ABOVE FINISHED WALLS OR CEILINGS WHICH REQUIRE ACCESS, WHETHER OR NOT SUCH PANELS ARE INDICATED ON DRAWINGS. VERIFY LOCATION OF ACCESS PANELS WITH ARCHITECT PRIOR TO INSTALLATION.
G. REVIEW LOCATION OF LIFE-SAFETY DEVICES AND/OR EQUIPMENT NOT SHOWN ON THE DRAWINGS WITH ARCHITECT PRIOR TO INSTALLATION.
H. COORDINATE ABOVE CEILING DRAFTSTOP LOCATIONS IN ACCORDANCE WITH REQUIREMENTS OF APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION.
I. ACOUSTICAL CEILING GRID AND LIGHTING SHALL BE CENTERED IN ROOM(S) UNLESS NOTED OTHERWISE.
J. CENTER RECESSED LIGHTS, ELECTRICAL, MECHANICAL DEVICES AND SPRINKLER HEADS WHEN SHOWN IN CEILING TILES. WHERE RECESSED LIGHTS ARE SHOWN OFF-CENTER IN 2X4 SCORED CEILING TILE, CENTER THE FIXTURE WITHIN THE 2X2 PORTION OF THE TILE.

1 OVERALL REFLECTED CEILING PLAN - BASEMENT
1/8" = 1'-0"

RCP LEGEND

GYPSUM BOARD CEILING; SEE PLAN FOR CEILING HEIGHTS

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NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4720-001-00

REFLECTED CEILING PLAN BASEMENT

DATE: JUNE 18, 2021

TOWN OF JACKSON PRE-APPLICATION SUBMITTAL

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KEYNOTES

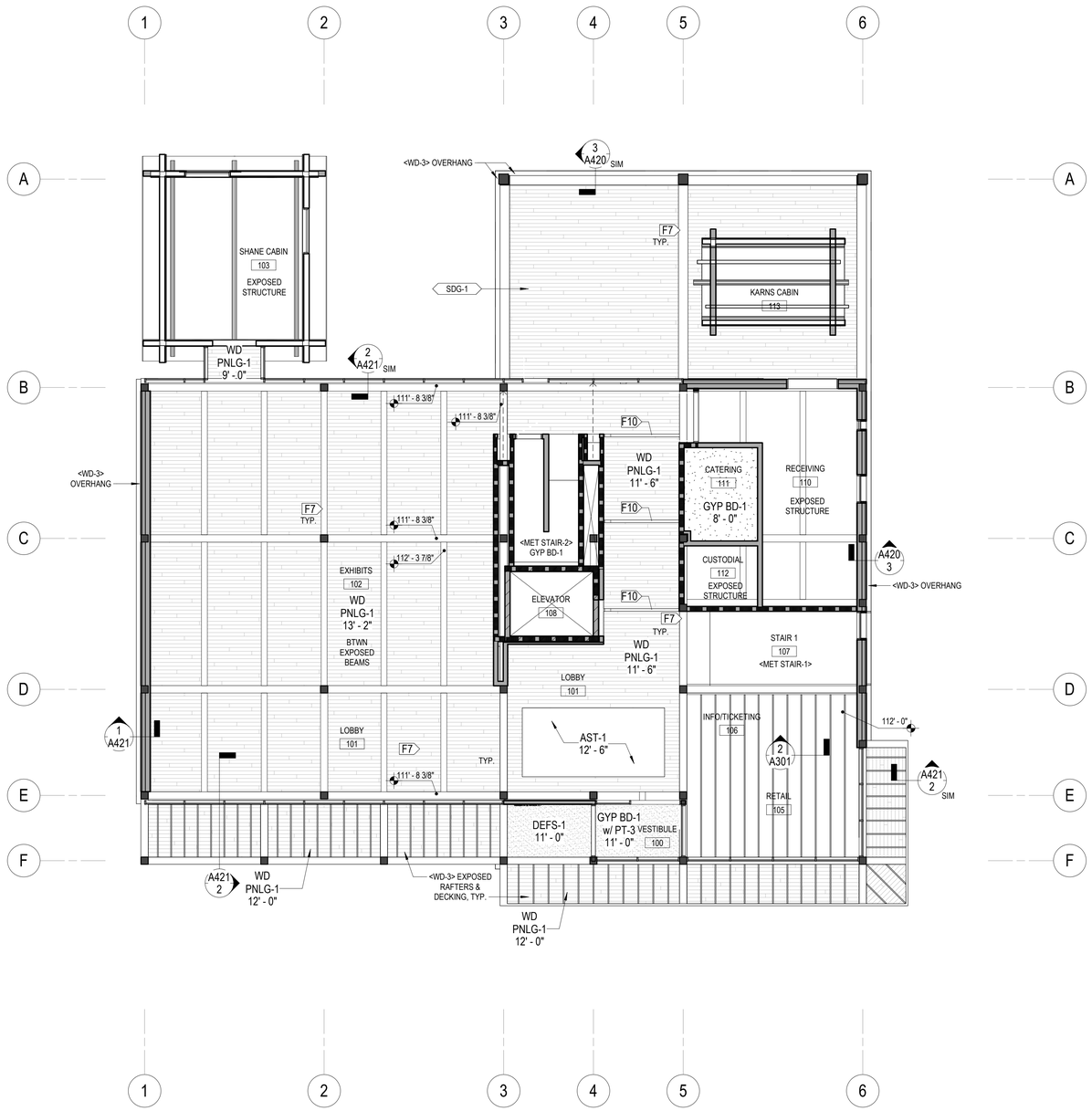
#	DESCRIPTION
F7	ALL STRUCTURAL COLUMNS AND BEAMS EXPOSED TO VIEW IN THE FINISHED WORK TO RECEIVE <PT-4> FINISH (NO FINISH IN ROOMS 110, 112)
F10	CONTINUOUS LIGHT SLOTS

GENERAL NOTES - CEILING PLAN

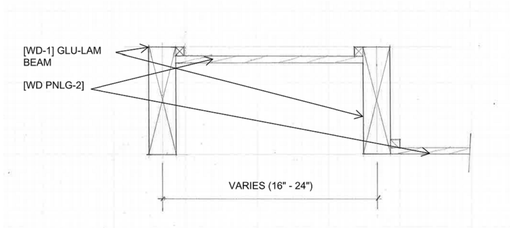
A. CEILING HEIGHTS ARE DIMENSIONED FROM FLOOR DATUM ELEVATION TO FINISHED CEILING, UNLESS OTHERWISE NOTED.
B. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION RELATIVE TO DEVICE AND FIXTURE LOCATIONS.
C. COORDINATE INTEGRATION OF CEILING SYSTEMS WORK INCLUDING, BUT NOT LIMITED TO, MECHANICAL, ELECTRICAL, SPRINKLER AND FIRE PROTECTION, TELECOMMUNICATIONS, AND STRUCTURAL SYSTEMS, TO MAINTAIN CEILING HEIGHT INDICATED. NOTIFY ARCHITECT OF CONFLICTS PRIOR TO PROCEEDING WITH THE WORK.
D. LOCATE COMPONENTS WITHIN CEILING PLENUM TO MAXIMIZE CLEAR AREA FOR INSTALLATION OF LIGHT FIXTURES AND ACCOMMODATE FIXTURE LAYOUT AS INDICATED.
E. WHERE DOORS WITH HOLD-OPEN DEVICES ARE REQUIRED, PROVIDE SMOKE DETECTOR WITHIN 5 FEET OF OPENING ON BOTH SIDES OF DOORWAY. VERIFY LOCATION OF SMOKE DETECTORS WITH ARCHITECT PRIOR TO INSTALLATION.
F. PROVIDE ACCESS PANELS AT GYPSUM BOARD CEILINGS AND WHERE ACCESS IS REQUIRED FOR ITEMS OF MECHANICAL, PLUMBING AND ELECTRICAL WORK LOCATED BEHIND OR ABOVE FINISHED WALLS OR CEILINGS WHICH REQUIRE ACCESS, WHETHER OR NOT SUCH PANELS ARE INDICATED ON DRAWINGS. VERIFY LOCATION OF ACCESS PANELS WITH ARCHITECT PRIOR TO INSTALLATION.
G. REVIEW LOCATION OF LIFE-SAFETY DEVICES AND/OR EQUIPMENT NOT SHOWN ON THE DRAWINGS WITH ARCHITECT PRIOR TO INSTALLATION.
H. COORDINATE ABOVE CEILING DRAFTSTOP LOCATIONS IN ACCORDANCE WITH REQUIREMENTS OF APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION.
I. ACOUSTICAL CEILING GRID AND LIGHTING SHALL BE CENTERED IN ROOM(S) UNLESS NOTED OTHERWISE.
J. CENTER RECESSED LIGHTS, ELECTRICAL, MECHANICAL DEVICES AND SPRINKLER HEADS WHEN SHOWN IN CEILING TILES. WHERE RECESSED LIGHTS ARE SHOWN OFF-CENTER IN 2X4 SCORED CEILING TILE, CENTER THE FIXTURE WITHIN THE 2X2 PORTION OF THE TILE.

RCP LEGEND

GYPSUM BOARD CEILING; SEE PLAN FOR CEILING HEIGHTS



1 OVERALL REFLECTED CEILING PLAN - LEVEL 01
1/8" = 1'-0"



2 SPECIALTY CEILING TYPE - WC1

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NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4720-001-00

REFLECTED CEILING PLAN LEVEL 01

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KEYNOTES

#	DESCRIPTION
F7	ALL STRUCTURAL COLUMNS AND BEAMS EXPOSED TO VIEW IN THE FINISHED WORK TO RECEIVE <PT-4> FINISH (NO FINISH IN ROOMS 201, 202, 203, 204, and 205)

GENERAL NOTES - CEILING PLAN

A. CEILING HEIGHTS ARE DIMENSIONED FROM FLOOR DATUM ELEVATION TO FINISHED CEILING, UNLESS OTHERWISE NOTED.
B. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION RELATIVE TO DEVICE AND FIXTURE LOCATIONS.
C. COORDINATE INTEGRATION OF CEILING SYSTEMS WORK INCLUDING, BUT NOT LIMITED TO, MECHANICAL, ELECTRICAL, SPRINKLER AND FIRE PROTECTION, TELECOMMUNICATIONS, AND STRUCTURAL SYSTEMS, TO MAINTAIN CEILING HEIGHT INDICATED. NOTIFY ARCHITECT OF CONFLICTS PRIOR TO PROCEEDING WITH THE WORK.
D. LOCATE COMPONENTS WITHIN CEILING PLENUM TO MAXIMIZE CLEAR AREA FOR INSTALLATION OF LIGHT FIXTURES AND ACCOMMODATE FIXTURE LAYOUT AS INDICATED.
E. WHERE DOORS WITH HOLD-OPEN DEVICES ARE REQUIRED, PROVIDE SMOKE DETECTOR WITHIN 5 FEET OF OPENING ON BOTH SIDES OF DOORWAY. VERIFY LOCATION OF SMOKE DETECTORS WITH ARCHITECT PRIOR TO INSTALLATION.
F. PROVIDE ACCESS PANELS AT GYPSUM BOARD CEILINGS AND WHERE ACCESS IS REQUIRED FOR ITEMS OF MECHANICAL, PLUMBING AND ELECTRICAL WORK LOCATED BEHIND OR ABOVE FINISHED WALLS OR CEILINGS WHICH REQUIRE ACCESS, WHETHER OR NOT SUCH PANELS ARE INDICATED ON DRAWINGS. VERIFY LOCATION OF ACCESS PANELS WITH ARCHITECT PRIOR TO INSTALLATION.
G. REVIEW LOCATION OF LIFE-SAFETY DEVICES AND/OR EQUIPMENT NOT SHOWN ON THE DRAWINGS WITH ARCHITECT PRIOR TO INSTALLATION.
H. COORDINATE ABOVE CEILING DRAFTSTOP LOCATIONS IN ACCORDANCE WITH REQUIREMENTS OF APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION.
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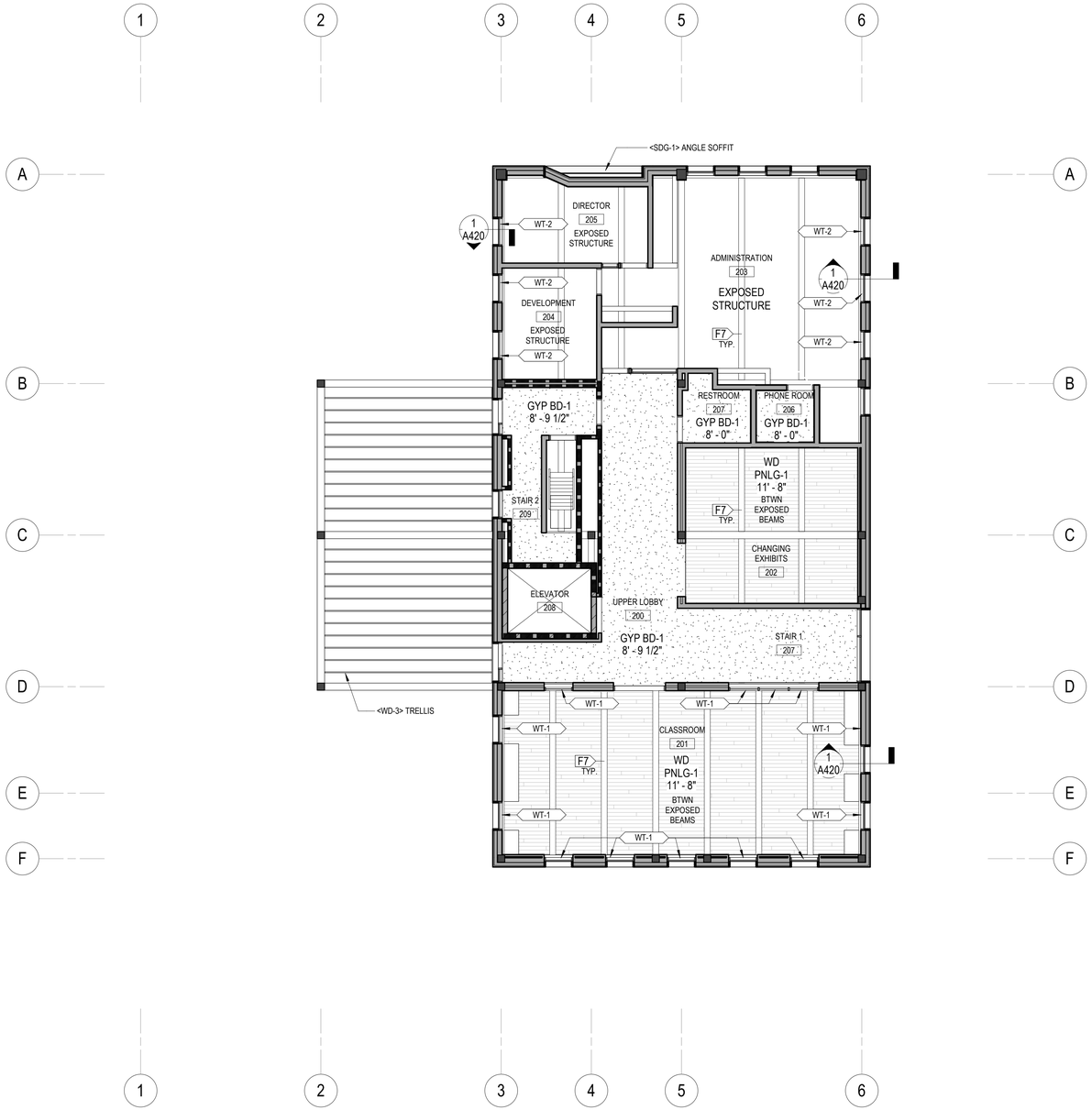

1 OVERALL REFLECTED CEILING PLAN - LEVEL 02
1/8" = 1'-0"

RCP LEGEND

GYPSUM BOARD CEILING; SEE PLAN FOR CEILING HEIGHTS

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NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

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REFLECTED CEILING PLAN LEVEL 02

DATE: JUNE 18, 2021

TOWN OF JACKSON PRE-APPLICATION SUBMITTAL

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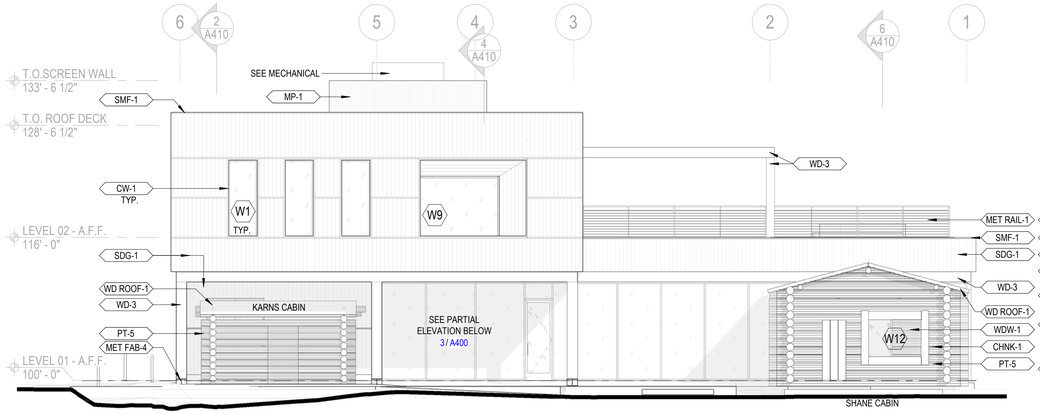
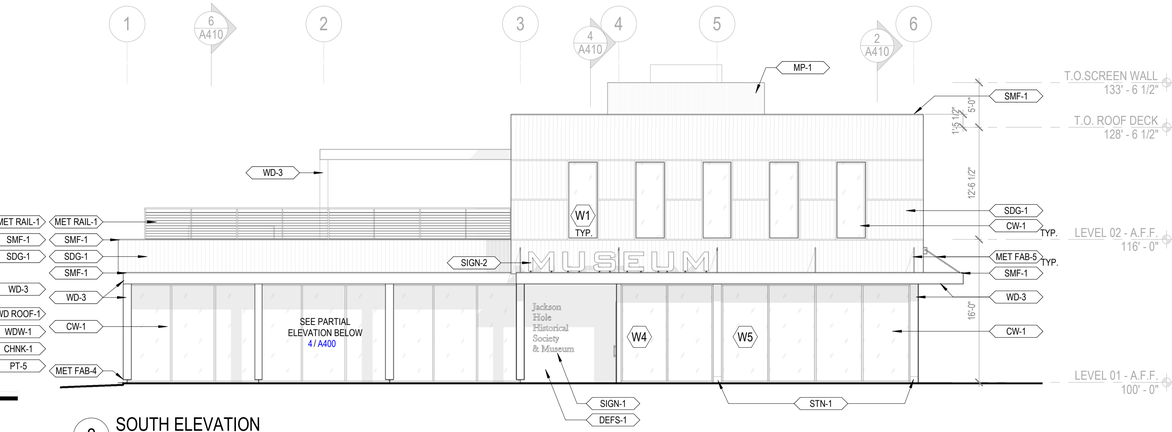
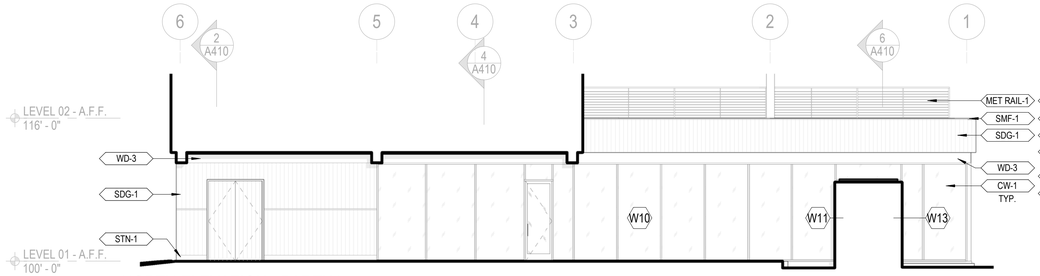


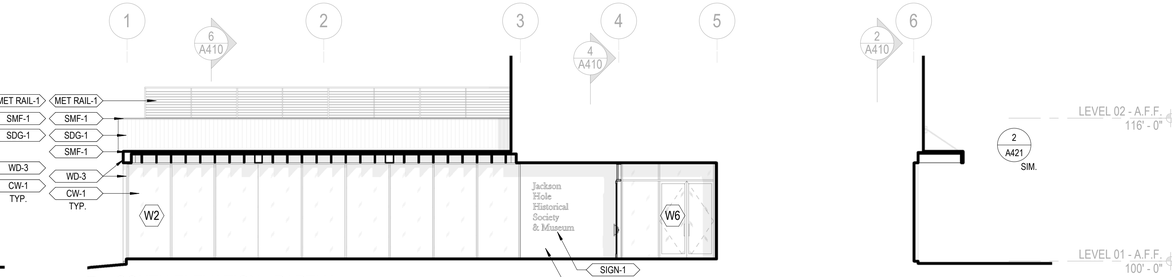
1 NORTH ELEVATION
1/8" = 1'-0"



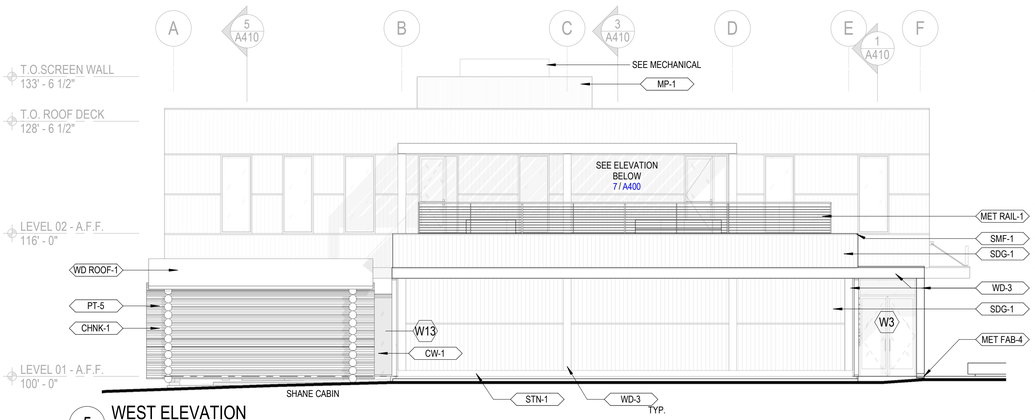
2 SOUTH ELEVATION
1/8" = 1'-0"



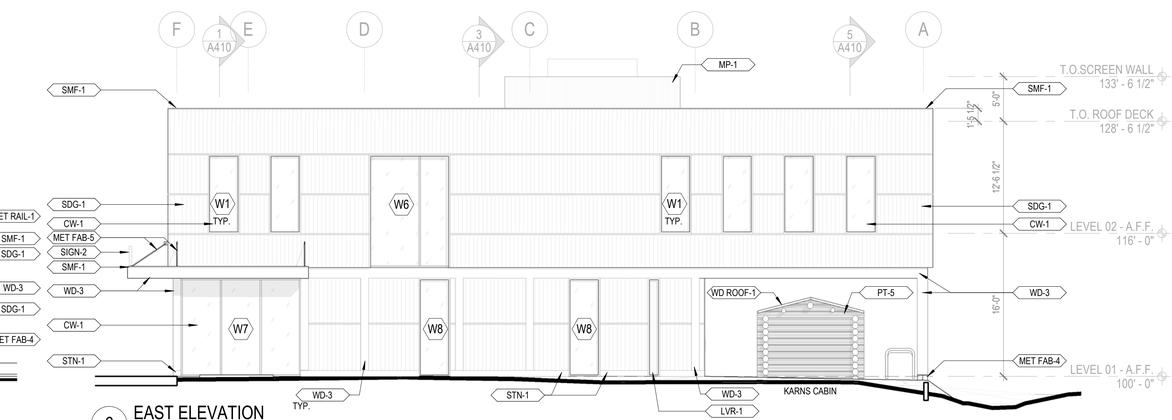
3 NORTH ELEVATION - PARTIAL
1/8" = 1'-0"



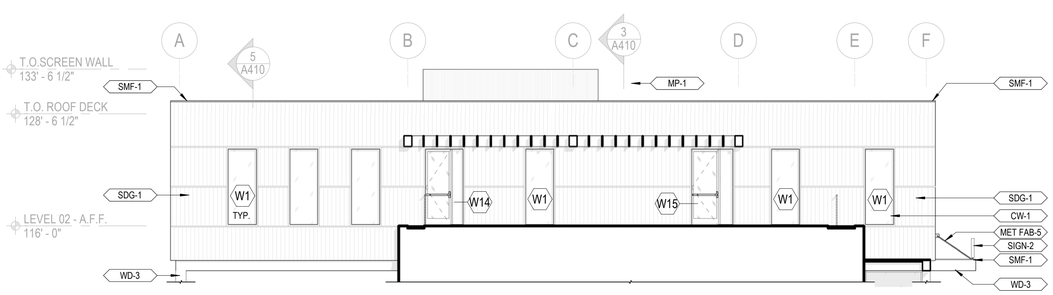
4 SOUTH ELEVATION - PARTIAL
1/8" = 1'-0"



5 WEST ELEVATION
1/8" = 1'-0"



6 EAST ELEVATION
1/8" = 1'-0"



7 WEST ELEVATION - PARTIAL
1/8" = 1'-0"

GENERAL NOTES - EXTERIOR ELEVATIONS

A. ELEVATIONS OF EXISTING FLOORS ARE BASED ON SURVEY INFORMATION AND\OR AS-BUILT DRAWINGS PROVIDED BY THE OWNER. THE SURVEY DATA MAY NOT BE COMPLETE AND THE ACTUAL EXISTING ELEVATIONS MAY VARY IN DIFFERENT PORTIONS OF THE EXISTING BUILDING. ALL INFORMATION MUST BE FIELD VERIFIED AND COORDINATED BETWEEN NEW AND EXISTING CONSTRUCTION TO PROVIDE MATCHING FLOOR ELEVATIONS WHERE REQUIRED.

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HGA NO: 4720-001-00

EXTERIOR ELEVATIONS

DATE: JUNE 18, 2021

TOWN OF JACKSON PRE-APPLICATION SUBMITTAL

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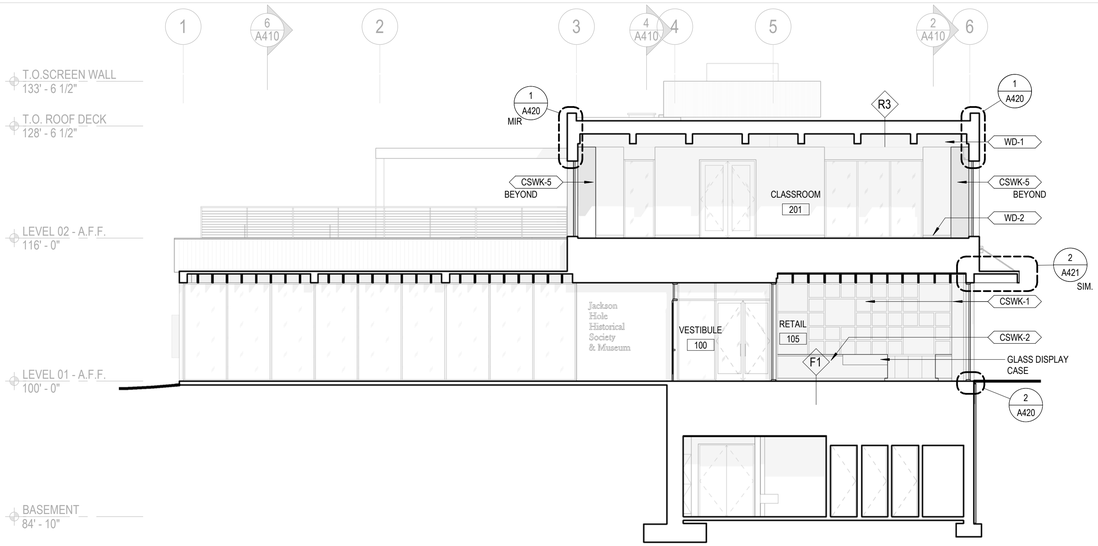
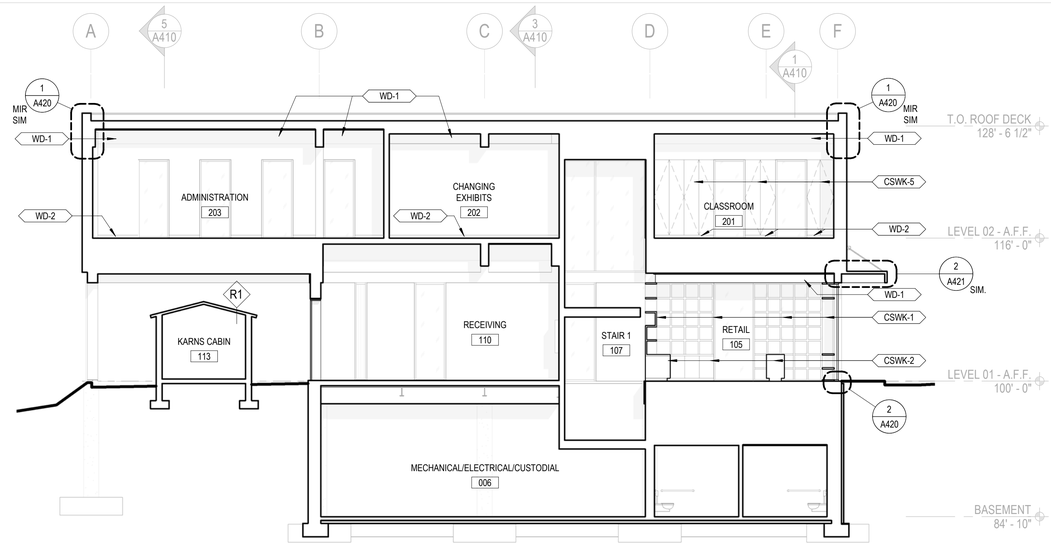
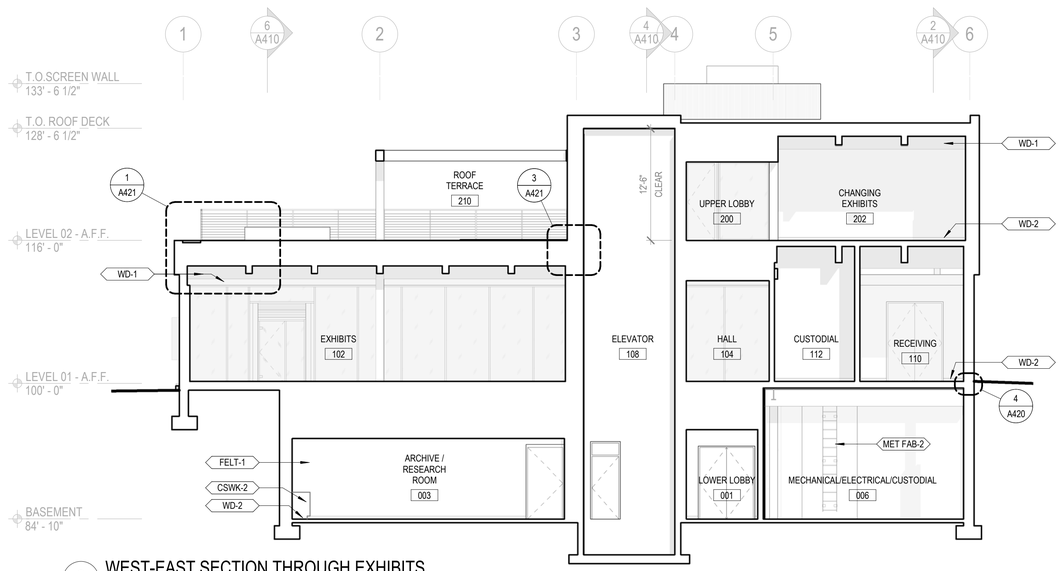


1 WEST-EAST SECTION THROUGH ENTRY VESTIBULE & RETAIL
1/8" = 1'-0"

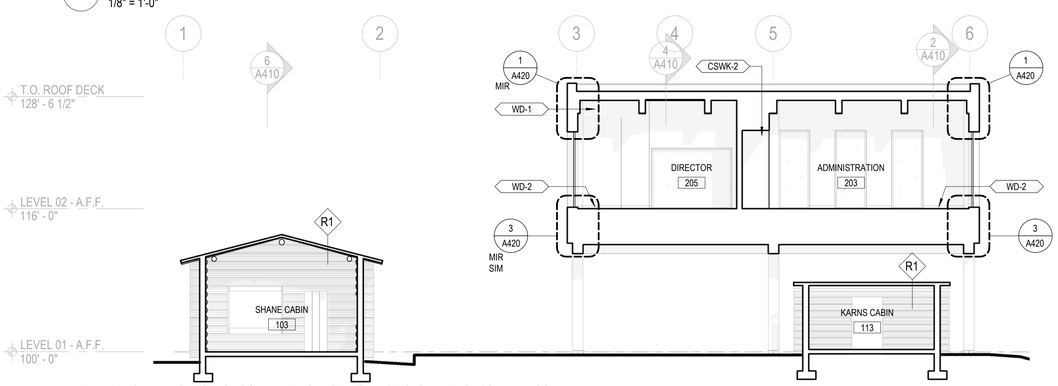


2 NORTH-SOUTH SECTION THROUGH ADMINISTRATION & CLASSROOM
1/8" = 1'-0"

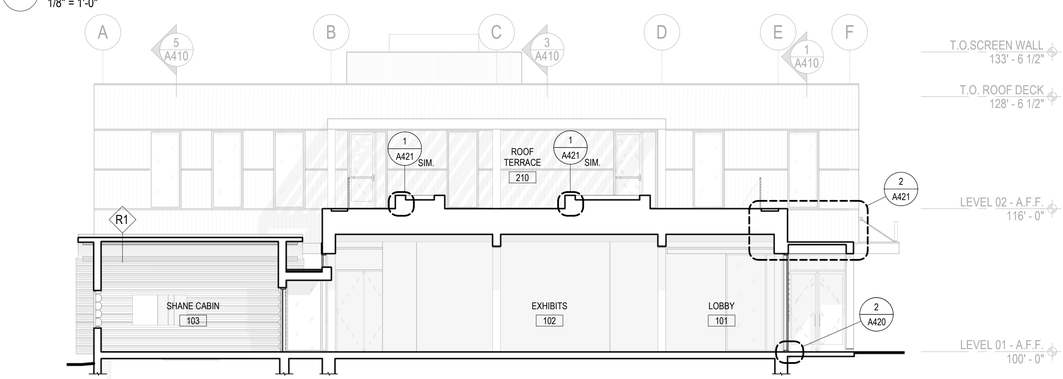


3 WEST-EAST SECTION THROUGH EXHIBITS
1/8" = 1'-0"

4 NORTH-SOUTH SECTION THROUGH STAIR 2
1/8" = 1'-0"



5 WEST-EAST SECTION THROUGH CABINS & ADMINISTRATION
1/8" = 1'-0"



6 NORTH-SOUTH SECTION THROUGH SHANE CABIN & EXHIBITS
1/8" = 1'-0"

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NO	DESCRIPTION	DATE

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BUILDING SECTIONS

DATE: JUNE 18, 2021

TOWN OF JACKSON
PRE-APPLICATION SUBMITTAL

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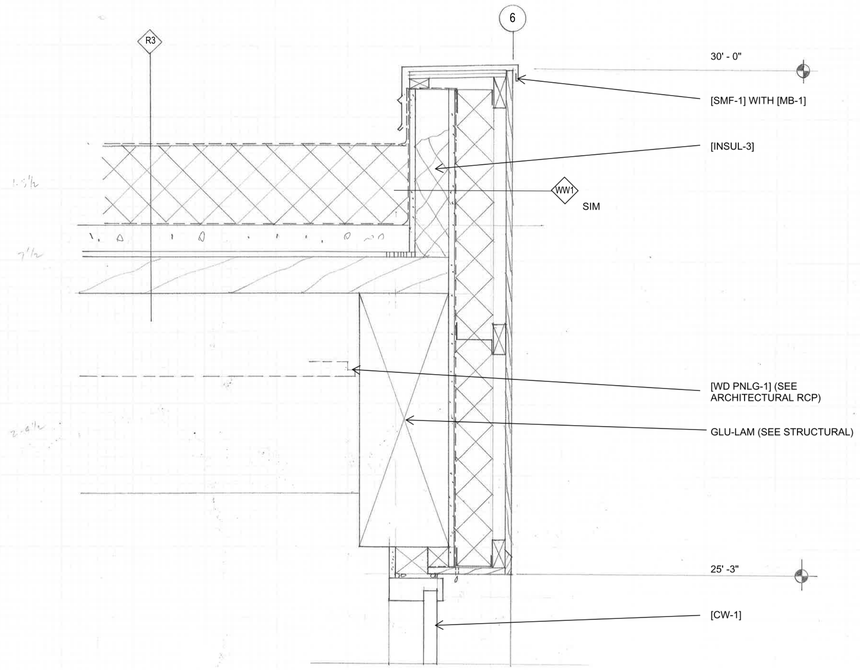
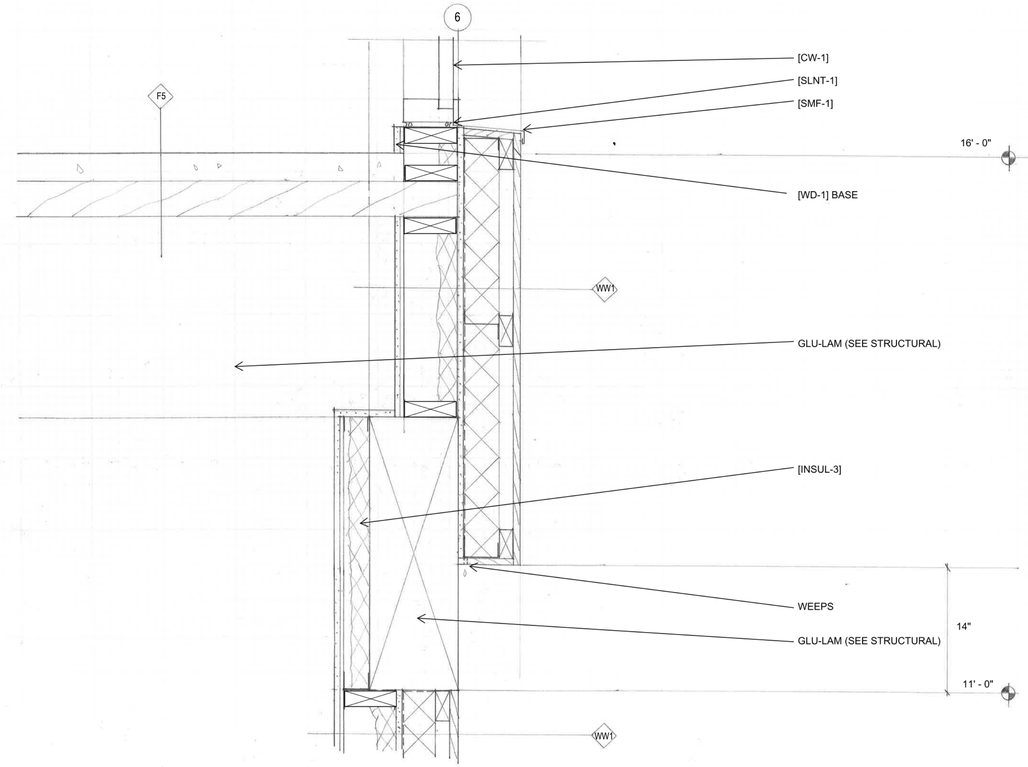
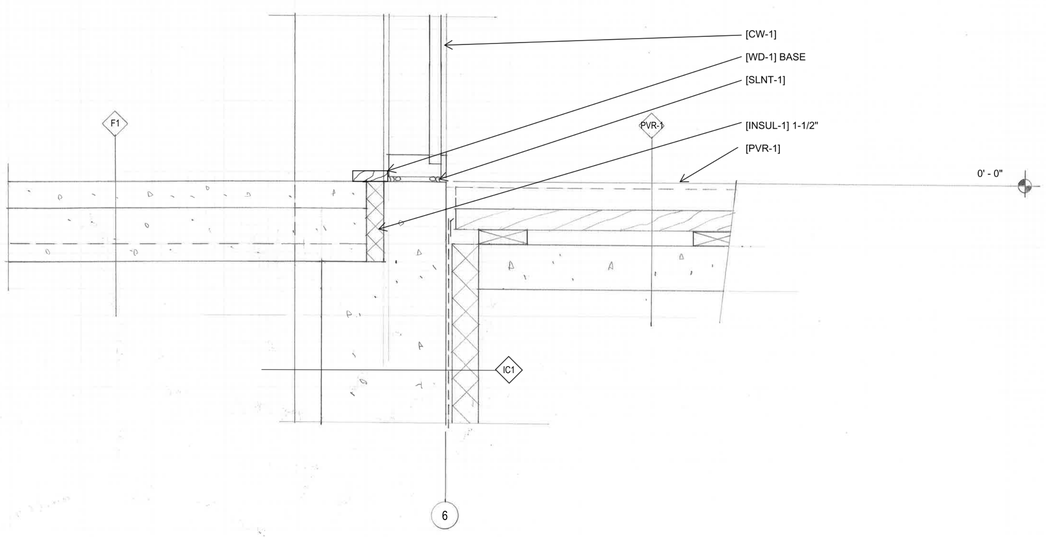


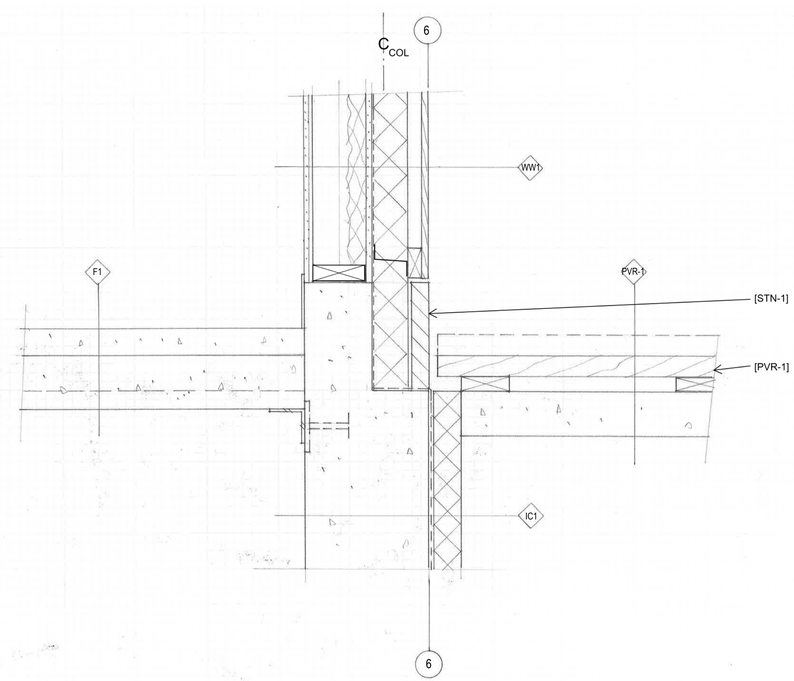
1 WALL SECTION @ UPPER ROOF PARAPET
SCALE: APPROX. 1 1/2" = 1'-0"



3 WALL SECTION @ LEVEL 02 WDW SILL
SCALE: APPROX. 1 1/2" = 1'-0"



2 WALL SECTION @ LEVEL 01 FULL HEIGHT CW-1
SCALE: APPROX. 1 1/2" = 1'-0"



4 WALL SECTION THROUGH WOOD SIDING @ GRADE
SCALE: APPROX. 1 1/2" = 1'-0"

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LOCAL ARCHITECT
PROSPECT STUDIO
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SUITE 104
P.O. BOX 1870
WILSON, WY 83014
307-264-2600

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WALL SECTIONS

DATE: JUNE 18, 2021

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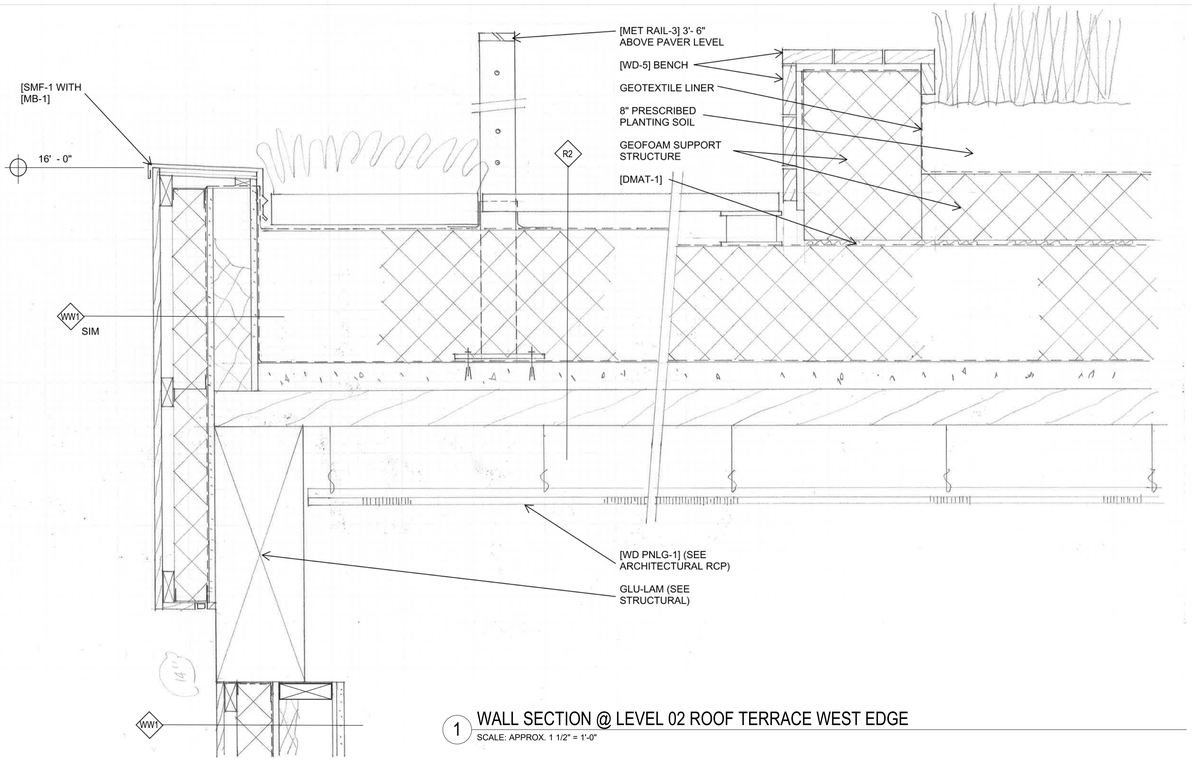
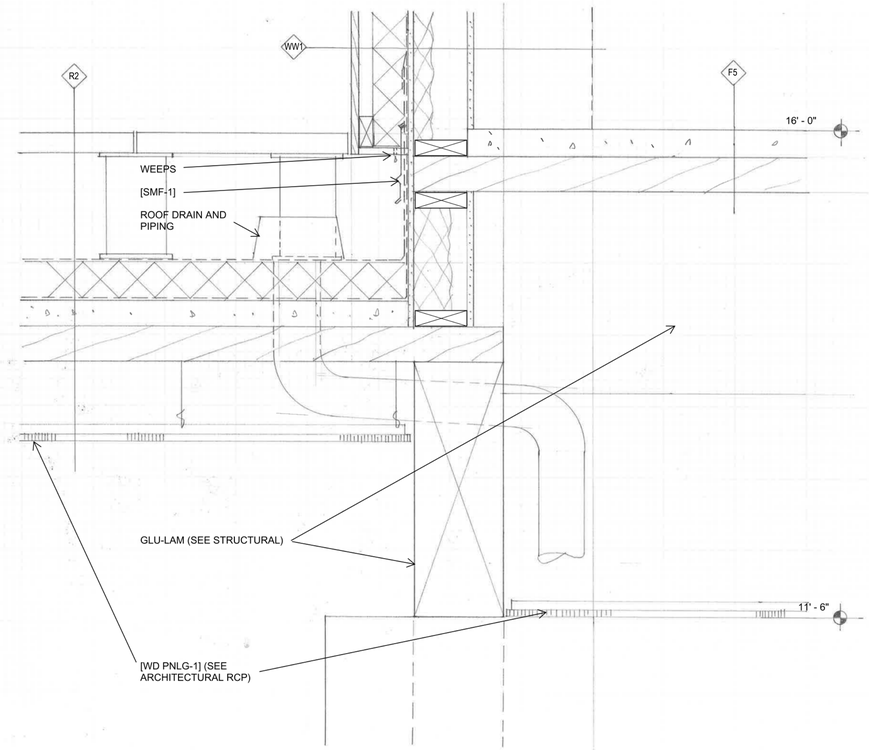
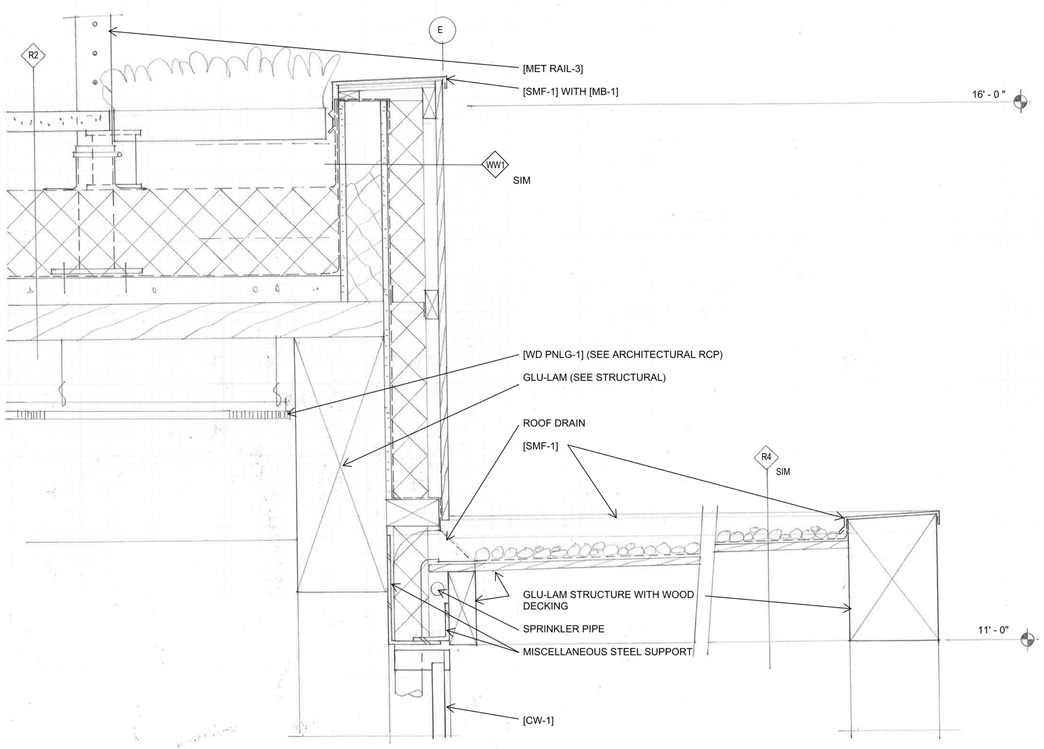


1 WALL SECTION @ LEVEL 02 ROOF TERRACE WEST EDGE
SCALE: APPROX. 1 1/2" = 1'-0"



3 WALL SECTION @ LEVEL 02 ROOF TERRACE EAST WALL
SCALE: APPROX. 1 1/2" = 1'-0"



2 WALL SECTION @ LEVEL 02 ROOF TERRACE SOUTH EDGE
SCALE: APPROX. 1 1/2" = 1'-0"

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WALL SECTIONS ROOF TERRACE

DATE: JUNE 18, 2021

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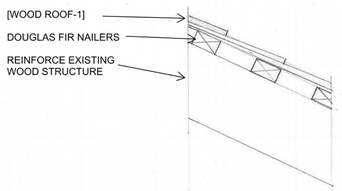
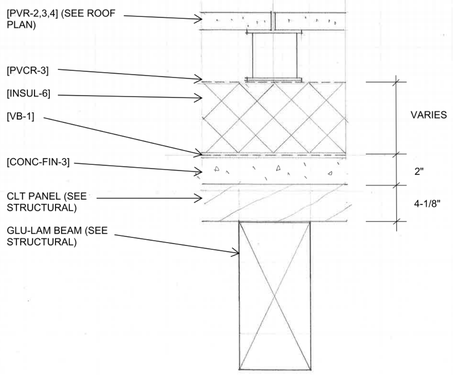
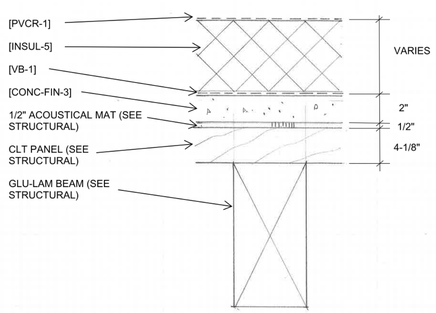
TYP. ROOF TYPES



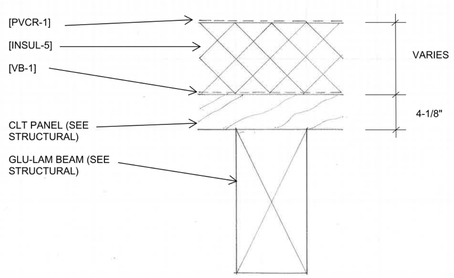
1 EXTERIOR ROOF TYPE - R1



2 EXTERIOR ROOF TYPE - R2

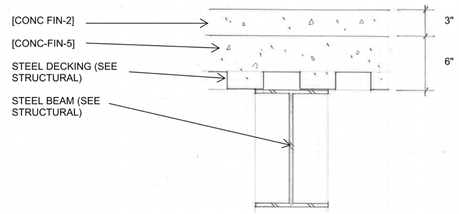


3 EXTERIOR ROOF TYPE - R3

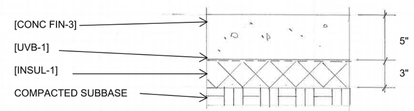


4 EXTERIOR ROOF TYPE - R4

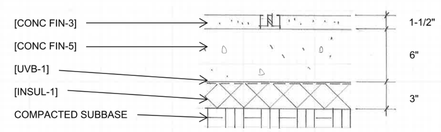
TYP. FLOOR TYPES



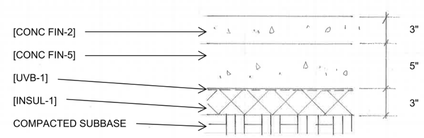
5 FLOOR TYPE - F1



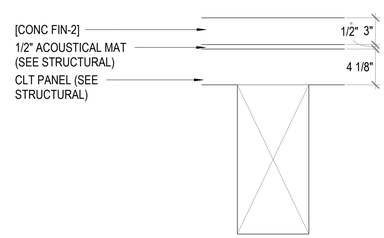
6 FLOOR TYPE - F2



7 FLOOR TYPE - F3

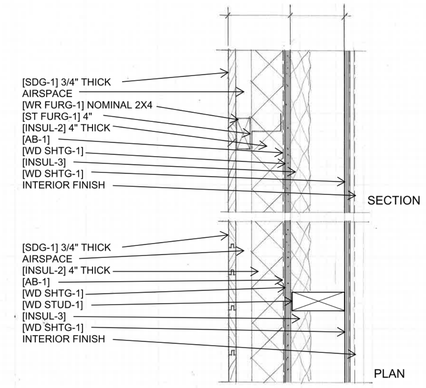


8 FLOOR TYPE - F4

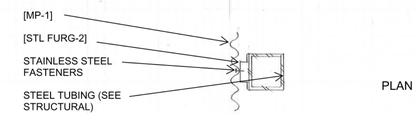


9 FLOOR TYPE - F5

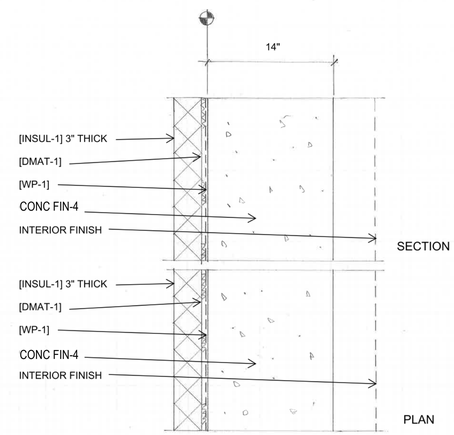
TYP. WALL TYPES



10 EXTERIOR WALL TYPE - WW1



11 EXTERIOR WALL TYPE - MS1



12 EXTERIOR WALL TYPE - IC1

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JACKSON HOLE HISTORICAL SOCIETY & MUSEUM

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4720-001-00

TYPICAL ROOF, FLOOR, & EXTERIOR WALL TYPES

DATE: JUNE 18, 2021

TOWN OF JACKSON PRE-APPLICATION SUBMITTAL

A460

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GENERAL NOTES - MOUNTING HEIGHTS

A. ALL ACCESSORIES TO BE ACCESSIBLE UNLESS NOTED OTHERWISE.

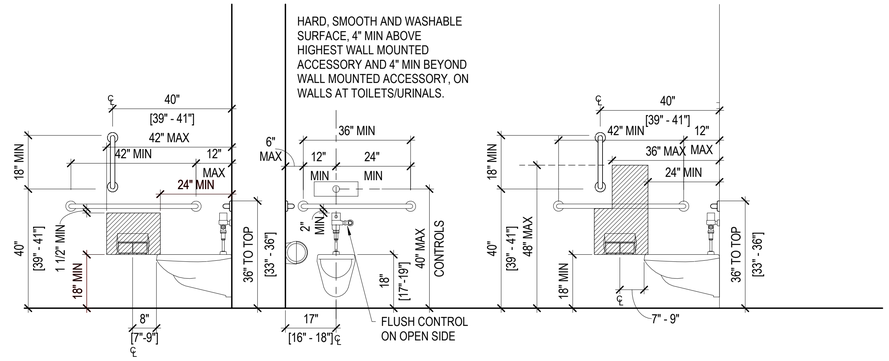
B. ALL ITEMS SHOWN NOT NECESSARILY USED.

C. "#" SYMBOL SHOWN SERVES AS A PLACE HOLDER ONLY. REFER TO MATERIAL ID LIST, SPECIFICATIONS AND EQUIPMENT SCHEDULE FOR ACTUAL EQUIPMENT NUMBER.

D. PROVIDE BACKING SUPPORTS AT ALL SHELVES, TOILET ACCESSORIES, MIRRORS, CLOCKS, CHALKBOARDS, MARKER BOARDS, WALL HOOKS, COAT RACKS/HOOKS, WOOD TRIM, DOOR BUMPERS, FIRE EXTINGUISHERS AND ALL OTHER ITEMS NOT NOTED TO BE SECURED TO WALL, UNLESS OTHER MEANS OF SUPPORT ARE INDICATED.
A B AND C SYMBOL DESIGNATES BACKING TYPE. WHERE MORE THAN ONE IS LISTED, CONTRACTOR TO CHOOSE APPROPRIATE DETAIL FROM THOSE LISTED. WHERE NO OPTION IS LISTED CONTRACTOR TO CHOOSE APPROPRIATE METHOD. REFER TO A662 FOR BACKING TYPE DETAILS.

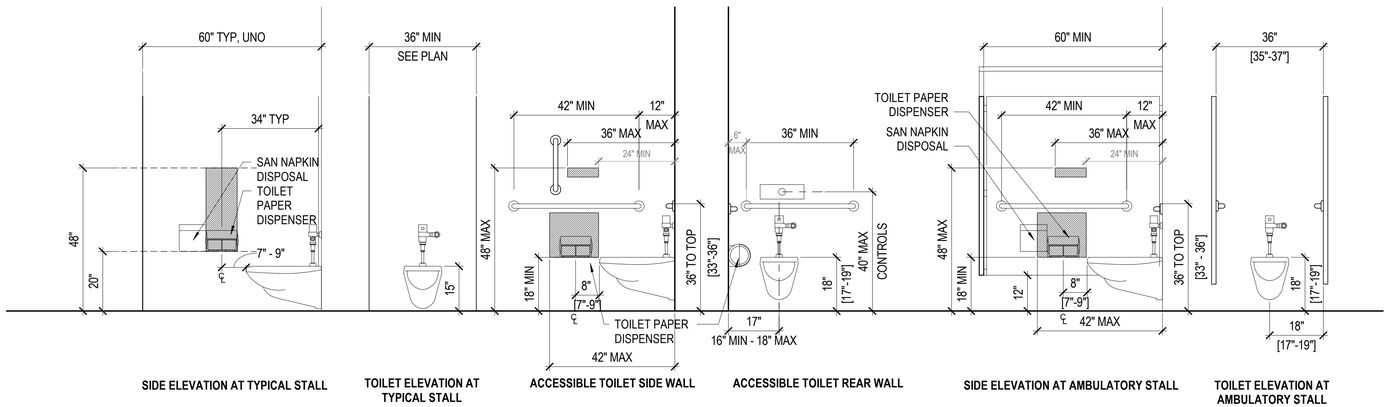
E. PROVIDE BACKING SUPPORTS AT LOCATIONS WHERE REQUIRED BY OWNER FOR OWNER INSTALLED ITEMS. CONTRACTOR TO COORDINATE WITH OWNER (SEE EQUIPMENT INFORMATION AND SPECIFICATIONS FOR ADDITIONAL INFORMATION).

F. SEE ELECTRICAL AND PLUMBING DRAWINGS FOR FURTHER MOUNTING HEIGHT INFORMATION.



ACCESSIBLE/AMBULATORY TOILET SIDE WALL AT PROTRUDING DISPENSER

ACCESSIBLE/AMBULATORY TOILET SIDE WALL AT RECESSED DISPENSER



SIDE ELEVATION AT TYPICAL STALL

TOILET ELEVATION AT TYPICAL STALL

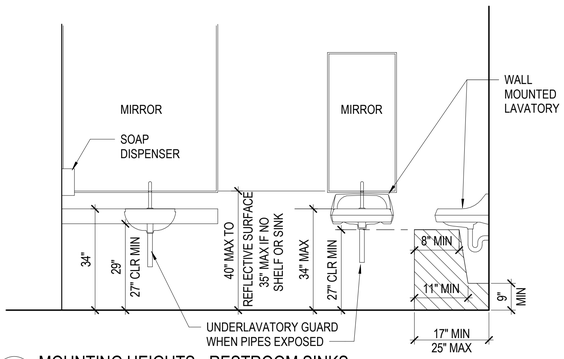
ACCESSIBLE TOILET SIDE WALL

ACCESSIBLE TOILET REAR WALL

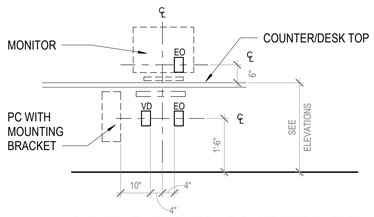
SIDE ELEVATION AT AMBULATORY STALL

TOILET ELEVATION AT AMBULATORY STALL

1 MOUNTING HEIGHTS - RESTROOMS
1/2" = 1'-0"



2 MOUNTING HEIGHTS - RESTROOM SINKS
1/2" = 1'-0"



4 MOUNTING HEIGHTS - PC WORKSTATION
1/2" = 1'-0"

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NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4720-001-00

TYPICAL MOUNTING HEIGHTS

DATE: JUNE 18, 2021

TOWN OF JACKSON
PRE-APPLICATION SUBMITTAL

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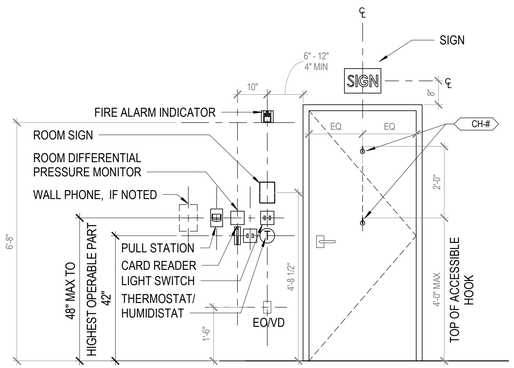
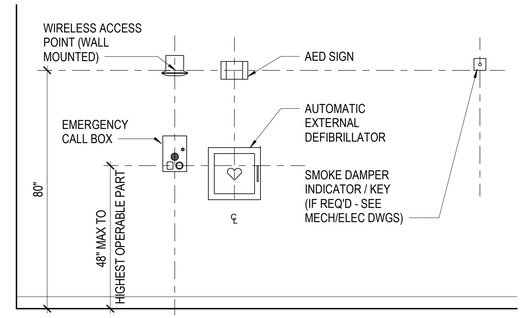
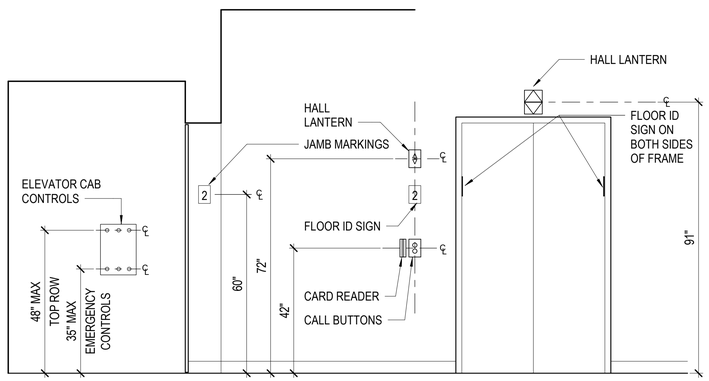


NOTE DOOR SHOWN FOR REFERENCE. DEVICES ARE SHOWN FOR ILLUSTRATIVE PURPOSES. TYPES AND QUANTITIES WILL VARY.

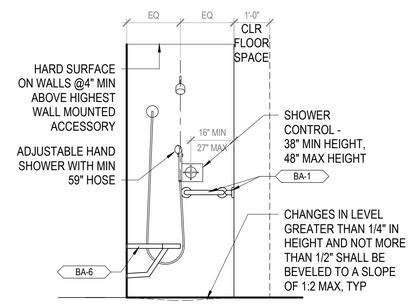
1 MOUNTING HEIGHTS - DOORS
1/2" = 1'-0"



2 MOUNTING HEIGHTS - CORRIDORS
1/2" = 1'-0"

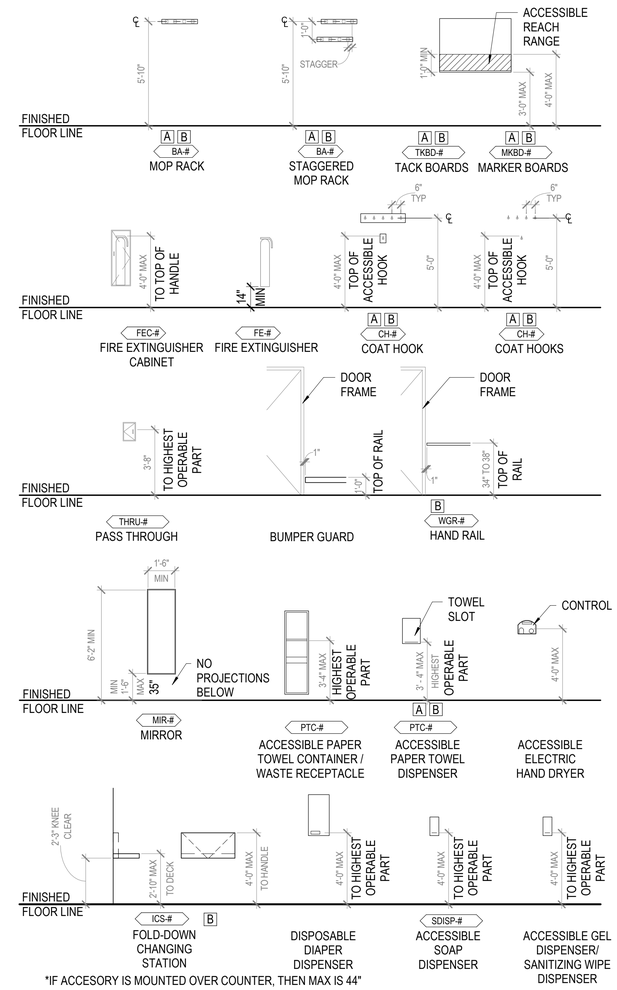


3 MOUNTING HEIGHTS - ELEVATORS
1/2" = 1'-0"



ELEVATION E. TRANSFER TYPE SHOWER, BACK WALL

4 MOUNTING HEIGHT SHOWERS
1/2" = 1'-0"



*IF ACCESORY IS MOUNTED OVER COUNTER, THEN MAX IS 44"

5 TOILET ROOM ACCESSORY MOUNTING HEIGHTS
1/4" = 1'-0"

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ISSUANCE HISTORY - THIS SHEET

HGA NO: 4720-001-00

TYPICAL MOUNTING HEIGHTS AND ELEVATIONS

DATE: JUNE 18, 2021

TOWN OF JACKSON
PRE-APPLICATION SUBMITTAL

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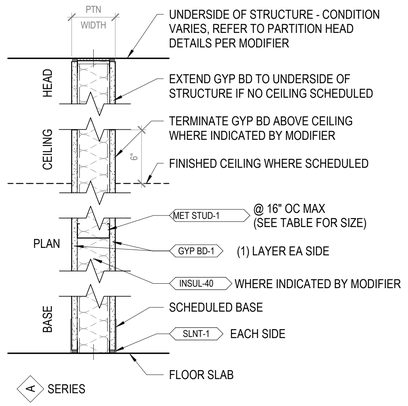
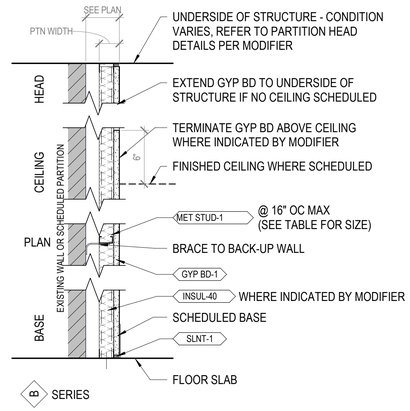


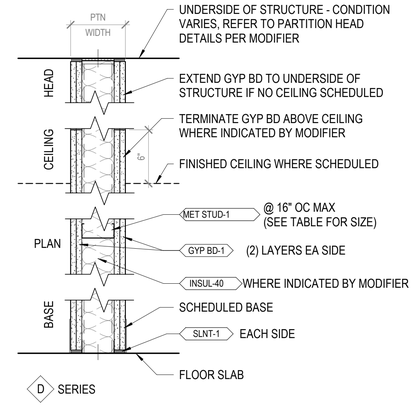
PTN TYPE	STUD WIDTH	PTN WIDTH	DESIGN STC	AVAILABLE FIRE RESISTANCE
A2	2 1/2"	3 3/4"		1 HOUR (UL U448)
A3	3 5/8"	4 7/8"	STC 37 (USG810518)	1 HOUR (UL U465)
A4	4"	5 1/4"		
A6	6"	7 1/4"	STC 36 (USG801036)	
A8	8"	9 1/4"		

A INTERIOR PARTITION TYPE - A SERIES
1 1/2" = 1'-0"



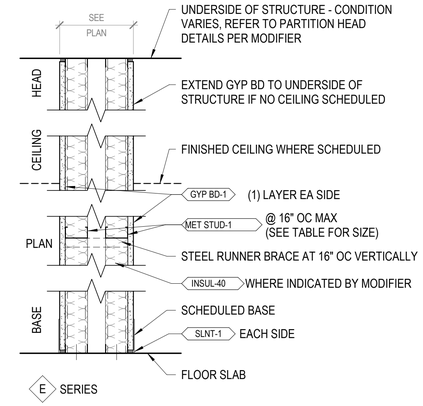
PTN TYPE	STUD WIDTH	PTN WIDTH	DESIGN STC	AVAILABLE FIRE RESISTANCE
B1	1 5/8"	2 1/4"		
B2	2 1/2"	3 1/8"		
B3	3 5/8"	4 1/4"		
B4	4"	4 5/8"		
B6	6"	6 5/8"		

B INTERIOR PARTITION TYPE - B SERIES
1 1/2" = 1'-0"



PTN TYPE	STUD WIDTH	PTN WIDTH	DESIGN STC	AVAILABLE FIRE RESISTANCE
D1	1 5/8"	4 1/8"		2 HOUR (UL U412)
D2	2 1/2"	5"	STC 50 (USG800505)	2 HOUR (UL U411)
D3	3 5/8"	6 1/8"	STC 44 (USG811006)	
D4	4"	6 1/2"		
D6	6"	8 1/2"	STC 45 (USG810937)	

D INTERIOR PARTITION TYPE - D SERIES
1 1/2" = 1'-0"

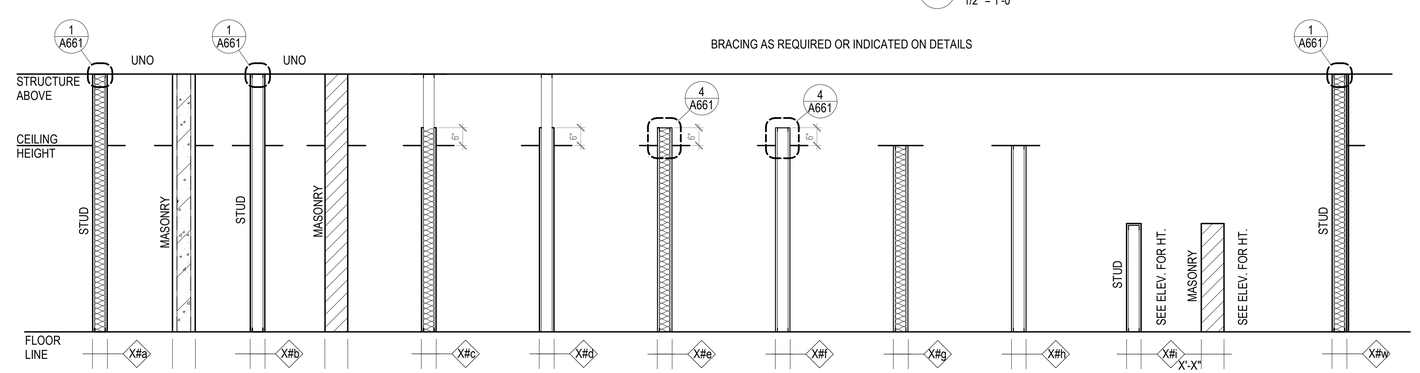


PTN TYPE	STUD WIDTH	PTN WIDTH	DESIGN STC	AVAILABLE FIRE RESISTANCE
E1	1 5/8"	- -		1 HOUR (UL U420)
E2	2 1/2"	7 1/4"	STC ≥ 47 (USG800506)	
E3	3 5/8"	9 1/2"	STC ≥ 42 (USG810518)	
E4	4"	- -		
E6	6"	- -		

E INTERIOR PARTITION TYPE - E SERIES
1 1/2" = 1'-0"

j - SAME AS (SELECT a - i ABOVE) BUT WITH STUDS OF ___ METAL THICKNESS
k - SAME AS (SELECT a - i ABOVE) BUT ___ STUD SPACING
l - SAME AS (SELECT a - i ABOVE) BUT WITH LEAD LINING
m -
n -
o -
p -
q -
r -
s -
t -

3 INTERIOR PARTITION MODIFER KEY NOTES
1/2" = 1'-0"



a - MODIFIER
ACOUSTICAL PARTITION EXTEND TOTAL PARTITION WITH INSULATION TO STRUCTURAL DECK

b - MODIFIER
EXTEND TOTAL PARTITION TO STRUCTURAL DECK, NO INSULATION

c - MODIFIER
ACOUSTICAL PARTITON STUDS TO STRUCTURE GYP BD AND INSULATION TO 6" ABOVE HIGHEST ADJACENT CEILING

d - MODIFIER
STUDS TO STRUCTURE GYP BD TO 6" ABOVE HIGHEST ADJACENT CEILING, NO INSULATION

e - MODIFIER
EXTEND TOTAL PARTITION WITH INSULATION TO 6" ABOVE CEILING, PROVIDE BRACING AS NECESSARY

f - MODIFIER
EXTEND TOTAL PARTITION TO 6" ABOVE CEILING, PROVIDE BRACING AS NECESSARY, NO INSULATION

g - MODIFIER
EXTEND TOTAL PARTITION WITH INSULATION TO CEILING

h - MODIFIER
EXTEND TOTAL PARTITION TO CEILING, NO INSULATION

i - MODIFIER
PARTITION HEIGHT AS NOTED, SEE ABOVE DETAIL FOR OTHER REQUIREMENTS

w - MODIFIER
PARTITION TO RECEIVE 1/2" PLYWOOD SHEATHING BEHIND WALL FINISH ON SIDE WITH TAG

1 INTERIOR PARTITION MODIFIER KEY

1. SERIES
THIS CHARACTER DENOTES THE ASSEMBLY SERIES TO WHICH THE WALL BELONGS.

2. METAL STUD/MASONRY UNIT SIZE DESIGNATOR
THIS CHARACTER DENOTES THE STUD OR FURRING WIDTH. FOR MASONRY, THIS CHARACTER INDICATES NOMINAL UNIT WIDTH.

3. MODIFIER
THIS CHARACTER DENOTES MODIFICATION(S) TO THE SERIES ASSEMBLY.

PARTITION NAMING LEGEND

A3d

1. SERIES
2. STUD/MASONRY SIZE DESIGNATOR
3. MODIFIER

2 PARTITION NAMING LEGEND
1 1/2" = 1'-0"

GENERAL NOTES - INTERIOR PARTIONS

1. MINIMUM SOUND TRANSMISSION CLASS (STC) VALUES INDICATED ARE BASED ON PARTITION TYPE WITH "A" MODIFIER; WHERE PARTITION ASSEMBLY EXTENDS TO DECK WITH ACOUSTIC INSULATION FILLING SPACE BETWEEN FRAMING FOR FULL HEIGHT OF PARTITION.
2. PROVIDE ACOUSTICAL SEALANT AND SOUND ATTENUATION BLANKETS AT STC-RATED PARTITIONS.
3. FLOOR PLAN DIMENSIONS ARE TO FACE OF SCHEDULED PARTITION ASSEMBLY EXCLUSIVE OF APPLIED FINISHES, UNLESS NOTED OTHERWISE.
4. "CLEAR", "HOLD" OR "FACE OF FINISH" DIMENSIONS INDICATE MINIMUM CLEARANCE REQUIRED BETWEEN SCHEDULED PARTITIONS WITH APPLIED FINISHES.
5. PARTITION TYPES INDICATE GENERAL INTERIOR PARTITION REQUIREMENTS. REFER TO OTHER CONTRACT DOCUMENTS FOR ADDITIONAL REQUIREMENTS RELATED TO INTERIOR PARTITION CONSTRUCTION AND PERFORMANCE REQUIREMENTS.
6. PARTITION TYPES INDICATED REFLECT TYPICAL CONDITIONS. REFER TO REFERENCED DETAILS FOR SPECIFIC PARTITION DETAILS.
7. PROVIDE PENETRATION FIRESTOPPING AND JOINT FIRESTOPPING AS SCHEDULED AND AS REQUIRED TO MAINTAIN CONTINUITY OF FIRE-RESISTANCE RATINGS OF ASSEMBLIES.
8. REFER TO STRUCTURAL DRAWINGS FOR INTERIOR STRUCTURAL PARTITIONS OF COLD-FORMED METAL FRAMING AND PARTITIONS INDICATED AS <STR-#>.
9. FIRE-RESISTANCE RATINGS AND ACOUSTICAL PERFORMANCE REQUIREMENTS INDICATED ARE BASED ON SPECIFIED PRODUCTS AND SYSTEMS. FIRE-RESISTANCE RATINGS AND ACOUSTICAL PERFORMANCE REQUIREMENTS FOR SYSTEMS USING MATERIALS AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY VARY.
10. PROVIDE MOISTURE- AND MOLD-RESISTANT GYPSUM BOARD AT THE FOLLOWING LOCATIONS, UNLESS NOTED OTHERWISE: PARTITIONS IN TOILET ROOMS OTHER THAN SHOWER WALLS, JANITOR'S CLOSETS, OTHER PARTITIONS TO RECEIVE CERAMIC AND STONE TILE, AND AS INDICATED.
11. PROVIDE CEMENTITIOUS BACKER BOARD AT PARTITIONS AROUND SHOWERS AND OTHER LOCATIONS AS INDICATED.
12. PROVIDE GYPSUM BASE FOR VENEER PLASTER WHERE GYPSUM VENEER PLASTER FINISH IS INDICATED.
13. WHERE WALLS OR PARTITIONS OF UNEQUAL THICKNESS ABUT, ALIGN COPLANAR EXPOSED FINISH SURFACES.

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ISSUANCE HISTORY - THIS SHEET

HGA NO: 4720-001-00

TYPICAL INTERIOR PARTITION TYPES

DATE: JUNE 18, 2021

TOWN OF JACKSON
PRE-APPLICATION SUBMITTAL

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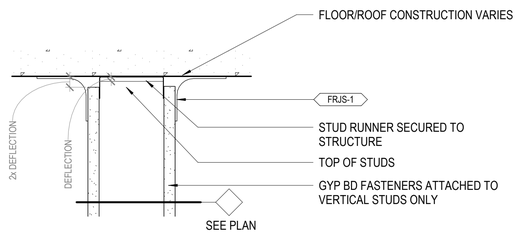
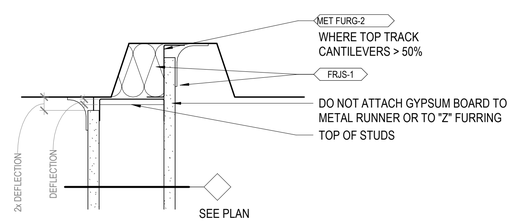
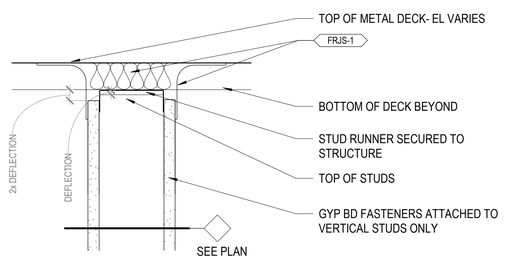


C PARTITION TO DECK



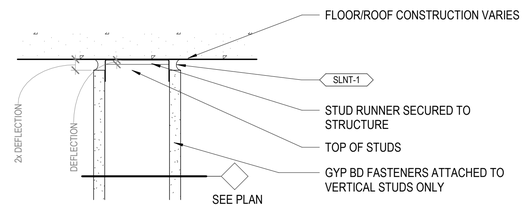
B PARTITION PARALLEL TO DECK FLUTES



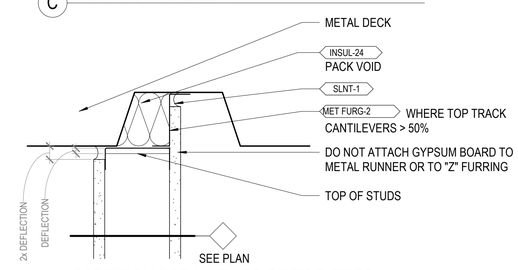
A PARTITION PERPENDICULAR TO DECK FLUTES

NOTE: REFER TO FLOOR PLANS FOR PARTITION TYPES

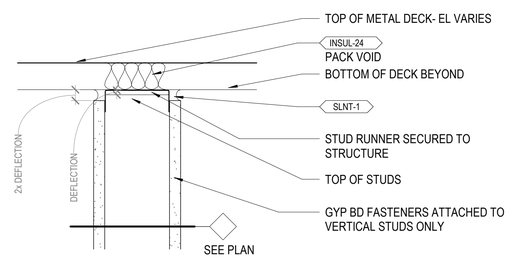
1 GYPSUM BOARD PARTITION HEAD DETAILS - RATED
3" = 1'-0"



C PARTITION TO DECK



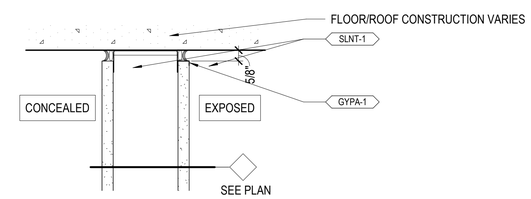
B PARTITION PARALLEL TO DECK FLUTES



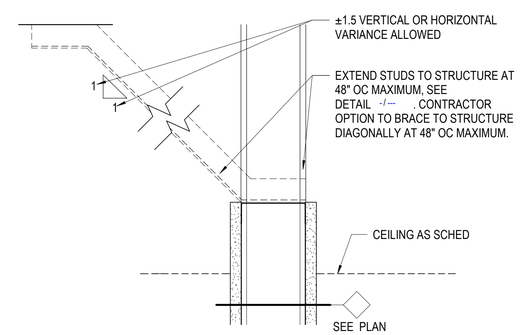
A PARTITION PERPENDICULAR TO DECK FLUTES

NOTE: REFER TO FLOOR PLANS FOR PARTITION TYPES

2 GYPSUM BOARD PARTITION HEAD DETAILS - NON RATED
3" = 1'-0"



3 EXPOSED HEAD OF WALL
3" = 1'-0"



4 GYPSUM BOARD PARTITION HEAD DETAILS - NON RATED
3" = 1'-0"

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NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4720-001-00

TYPICAL PARTITION DETAILS

DATE: JUNE 18, 2021

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DOOR AND FRAME SCHEDULE

REV #	IDENTIFICATION: DOOR NUMBER	IDENTIFICATION: ROOM NAME	PANEL: COUNT & WIDTH	PANEL: HEIGHT	PANEL: TYPE: PANEL A	PANEL: TYPE: PANEL B	PANEL: FINISH	FRAME: TYPE	FRAME: FINISH	RATING	HDW GROUP	NOTES
	002	HALL	(1) 3' - 0", (1) 1' - 8"	8' - 0"	ELD-1	ELD-1	--	HMF-1	--	60 MIN	--	
	003	ARCHIVE / RESEARCH ROOM	(1) 4' - 0"	8' - 0"	WD DR-1	--	WD-1	HMF-1	PT		HDWE-6	CARDREADER
	004	ARCHIVE STORAGE	(1) 4' - 0"	8' - 0"	WD DR-1	--	WD-1	HMF-1	PT		HDWE-6	CARDREADER
	005	STORAGE	(2) 3' - 0"	8' - 0"	HM-F	HM-F	PT	HMF-1	PT		HDWE-7	
	006	MECHANICAL/ELECTRICAL/CUSTODIAL	(2) 3' - 0"	8' - 0"	HM-F	HM-F	PT	HMF-1	PT	60 MIN	HDWE-7	
	008	ELEVATOR	(1) 3' - 0"	7' - 0"	HM-F	--	PT	HMF-1	PT		HDWE-6	ELEVATOR SERVICE DOOR
	009A	STAIR 2	(1) 3' - 0"	8' - 0"	HM-F	--	PT	HMF-1	PT	60 MIN	HDWE-5	CARDREADER
	009B	STAIR 2	(1) 3' - 0"	8' - 0"	HM-F	--	PT	HMF-1	PT	60 MIN	HDWE-5	
	010	RESTROOM LOBBY	(2) 3' - 0"	8' - 0"	ELD-1	ELD-1	--	HMF-1	--	60 MIN		
	011	FAMILY	(1) 3' - 0"	8' - 0"	HM-F	--	PT	HMF-1	PT		--	
	012A	GENDER NEUTRAL RESTROOM	(1) 2' - 8"	8' - 0"	HM-F	--	PT	HMF-1	PT		HDWE-6	
	012B	GENDER NEUTRAL RESTROOM	(1) 2' - 8"	8' - 0"	HM-F	--	PT	HMF-1	PT		HDWE-6	
	012C	GENDER NEUTRAL RESTROOM	(1) 2' - 8"	8' - 0"	HM-F	--	PT	HMF-1	PT		HDWE-6	
	012D	GENDER NEUTRAL RESTROOM	(1) 2' - 8"	8' - 0"	HM-F	--	PT	HMF-1	PT		HDWE-6	
	012E	GENDER NEUTRAL RESTROOM	(1) 2' - 8"	8' - 0"	HM-F	--	PT	HMF-1	PT		HDWE-6	
	012F	GENDER NEUTRAL RESTROOM	(1) 2' - 8"	8' - 0"	HM-F	--	PT	HMF-1	PT		HDWE-6	
	012G	GENDER NEUTRAL RESTROOM	(1) 2' - 8"	8' - 0"	HM-F	--	PT	HMF-1	PT		HDWE-6	
	012H	GENDER NEUTRAL RESTROOM	(1) 2' - 8"	8' - 0"	HM-F	--	PT	HMF-1	PT		HDWE-6	
	013	STORAGE	(1) 3' - 0"	8' - 0"	HM-F	--	PT	HMF-1	PT		HDWE-6	
	100A	VESTIBULE	(2) 3' - 0 3/4"	9' - 0"	CW-1	CW-1	--	--	--		HDWE-1	
	101B	LOBBY	(2) 3' - 0"	9' - 0"	CW-1	CW-1	--	--	--		HDWE-2	
	103	SHANE CABIN	(1) 2' - 10"	7' - 0"	AG-1	--	GL--	--	--		HDWE-9	
	104	HALL	(1) 3' - 0"	9' - 0"	CW-1	--	--	--	--		HDWE-3	
	109	STAIR 2	(1) 3' - 0"	9' - 0"	HM-F	--	PT	HMF-1	PT	60 MIN	HDWE-5	CARDREADER; AUTO-OPERATOR
	110A	RECEIVING	(2) 3' - 0"	9' - 0"	HM-F/SD G-1	HM-F/SD G-1	PT-4/PT	HMF-1	PT		HDWE-4	CARDREADER; EXTERIOR CLAD IN SDG-1
	110B	RECEIVING	(2) 3' - 0"	9' - 0"	HM-F	HM-F	PT	HMF-1	PT		HDWE-7	CARDREADER
	111	CATERING	(1) 3' - 0"	7' - 0"	HM-F	--	PT	HMF-1	PT		HDWE-6	
	112	CUSTODIAL	(1) 3' - 0"	7' - 0"	HM-F	--	PT	HMF-1	PT		HDWE-6	
	200	UPPER LOBBY	(1) 3' - 0"	8' - 7 1/2"	CW-1	--	--	--	--		HDWE-8	
	201	CLASSROOM	(2) 3' - 0"	8' - 7 1/2"	WD DR-1	WD DR-1	WD-1	WD FR-1	--		HDWE-7	
	203	ADMINISTRATION	(1) 3' - 0"	8' - 7 1/2"	WD DR-1	--	WD-1	WD FR-1	--		HDWE-6	
	204	DEVELOPMENT	(1) 3' - 0"	8' - 7 1/2"	WD DR-1	--	WD-1	WD FR-1	--		HDWE-6	
	205	DIRECTOR	(1) 3' - 0"	8' - 7 1/2"	WD DR-1	--	WD-1	WD FR-1	--		HDWE-6	
	206	PHONE ROOM	(1) 3' - 0"	8' - 7 1/2"	WD DR-1	--	WD-1	WD FR-1	--		HDWE-9	
	207	RESTROOM	(1) 3' - 0"	8' - 7 1/2"	WD DR-1	--	WD-1	WD FR-1	--		HDWE-6	
	209A	ROOF TERRACE	(1) 2' - 10"	8' - 7 1/2"	CW-1	--	--	--	--		HDWE-8	
	209B	STAIR 2	(1) 3' - 0"	8' - 7 1/2"	HM-F	--	PT	HMF-1	PT	60 MIN	HDWE-5	
	209C	STAIR 2	(1) 3' - 0"	8' - 7 1/2"	HM-F	--	PT	HMF-1	PT		HDWE-6	

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NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4720-001-00

DOOR SCHEDULE

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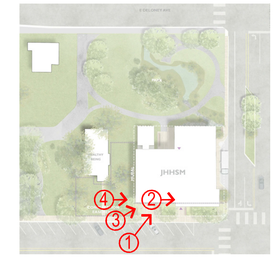

KEY MAP

1 SOUTHWEST FACADE FROM BROADWAY AVE.

2 BENEATH ENTRY CANOPY LOOKING EAST TOWARDS FRONT DOOR

3 WEST FACADE MURAL FROM BROADWAY AVE. BOARDWALK

4 WEST FACADE MURAL LOOKING EAST TOWARDS FRONT DOOR BEYOND

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ISSUANCE HISTORY - THIS SHEET

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RENDERINGS EXTERIOR WEST & SOUTH

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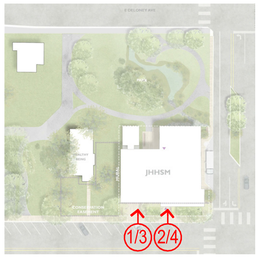

KEY MAP

1 SOUTH EXHIBIT FACADE FROM BROADWAY AVE.

2 SOUTH MAIN ENTRY FACADE FROM BROADWAY AVE.

3 SOUTH EXHIBIT FACADE FROM BROADWAY AVE. - NIGHT

4 SOUTH MAIN VESTIBULE FROM BROADWAY AVE.

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ISSUANCE HISTORY - THIS SHEET

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RENDERINGS EXTERIOR EXHIBITS & ENTRY

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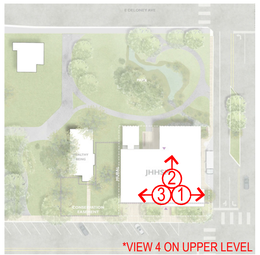
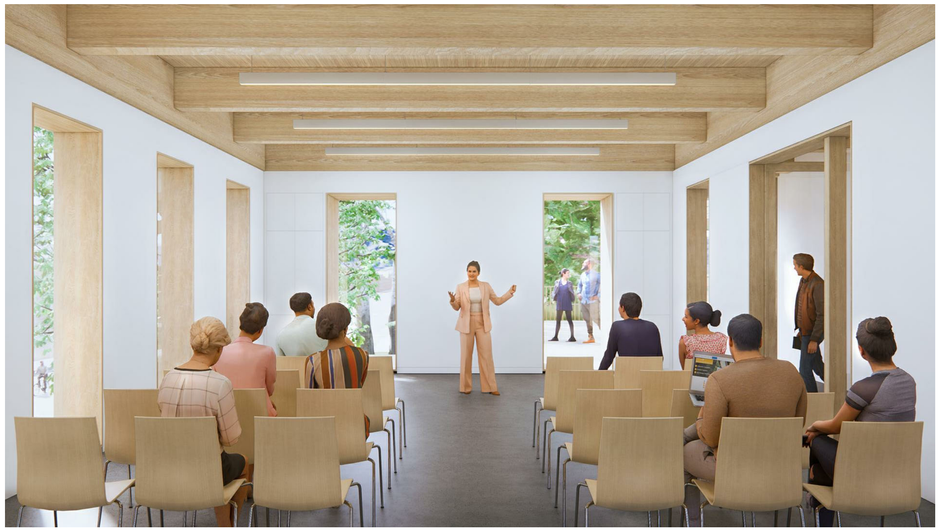


KEY MAP

1 MAIN ENTRY LOBBY LOOKING EAST TOWARDS RETAIL

2 MAIN ENTRY LOBBY LOOKING NORTH TOWARDS PARK BEYOND

3 MAIN ENTRY LOBBY LOOKING WEST TOWARDS EXHIBITS



4 UPPER LEVEL CLASSROOM LOOKING WEST TOWARDS ROOF TERRACE

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RENDERINGS INTERIOR

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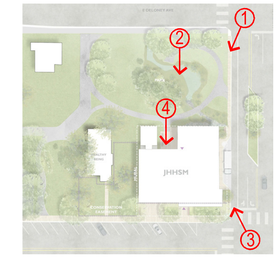

KEY MAP

1 NORTHEAST FACADE FROM CORNER OF WILLOW & DELONEY

2 NORTH FACADE FROM PARK WITH KARNS & SHANE CABINS IN FOREGROUND

3 SOUTHWEST FACADE FROM CORNER OF WILLOW & BROADWAY

4 NORTH COURTYARD LOOKING SOUTH TOWARDS SHANE CABIN

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RENDERINGS EXTERIOR NORTH & EAST

DATE: JUNE 18, 2021

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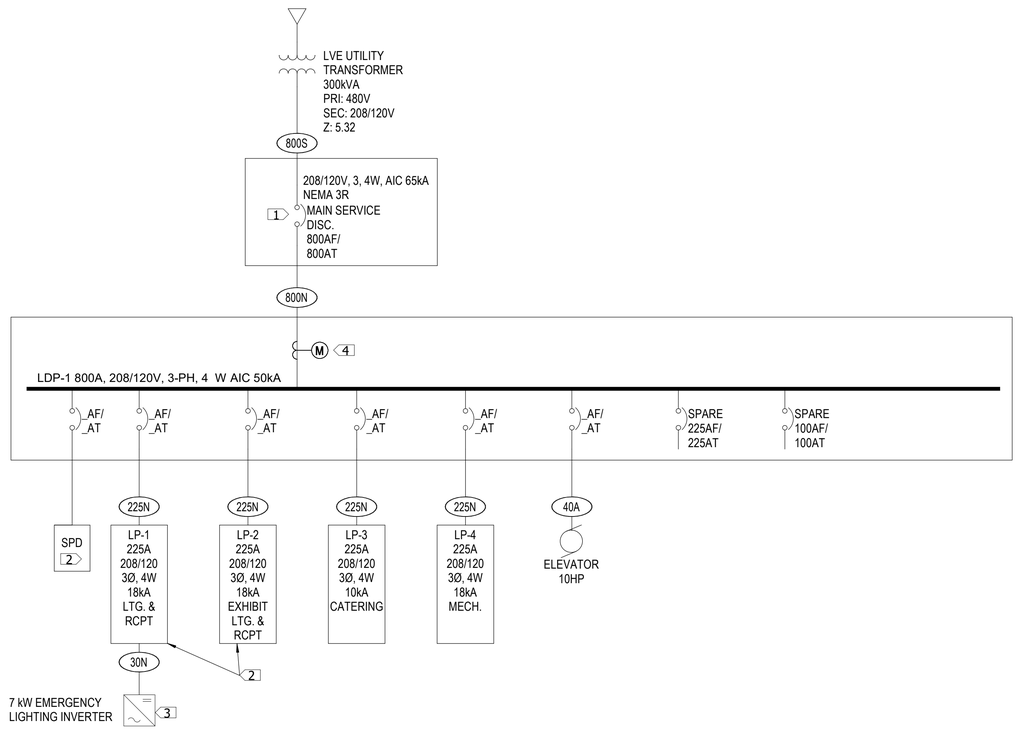

GENERAL NOTES

A. REFER TO ME800 SHEET FOR ADDITIONAL MOTOR INFORMATION, CONDUIT, AND CONDUCTOR SIZES TO MECHANICAL EQUIPMENT.

B. REFER TO THE MECHANICAL DRAWINGS AND COORDINATE WITH DIVISION 23 FOR EXACT LOCATIONS OF MECHANICAL EQUIPMENT.

C. REFER TO FEEDER SCHEDULE FOR WIRE AND CONDUIT SIZES AS WELL AS FEEDER REQUIREMENTS.

D. REFER TO PANEL SCHEDULES FOR RATINGS AND ADDITIONAL REQUIREMENTS OF PANELBOARDS AND DISTRIBUTION BOARDS.

E. ELECTRICAL FEEDERS AND EQUIPMENT SHOWN WITH LIGHT LINES ARE EXISTING TO REMAIN. ALL ELECTRICAL EQUIPMENT SHOWN WITH DARK DASHED LINES ARE NEW.

KEYNOTES:

1. REFER TO E030 FOR LOCATION MAIN SERVICE DISCONNECT.
2. PROVIDE SPD AND NECESSARY WIRING TO CONNECT TO THE NEAREST BAS CONTROLLER. PROVIDE OCPD ACCORDING TO MANUFACTURERS RECOMMENDATIONS.
3. PROVIDE CAT. 5E PATCH CABLE FROM EQUIPMENT TO NEAREST DATA PORT IN ELECTRICAL ROOM FOR REMOTE MONITORING.
4. PROVIDE VERIS E50C2 POWER METER WITH MODBUS RTU OUTPUT. PROVIDE RS-485 CABLING BETWEEN METER AND NEAREST BAS CONTROLLER.

FEEDER (AMPS)	FEEDER AND CONDUIT SIZES - CU	
	CONDUIT	CONDUCTOR
30N	3/4"	4#10 & 1#10 GND
40	3/4"	3#8 & #10 GND
225N	2 1/2"	4#4/0 & 1#4 GND
800S	(3) 3"	4#300
800N	(3) 3"	4#300 & 1#1/0 GND

NOTES:

* VOLTAGE DROP CONSIDERATIONS NOT TAKEN INTO CONSIDERATION IN TABLE.

100= 3 WIRES
100N= 4 WIRES
100K= 200% NEUTRAL
100I= ISOLATED GROUND

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NOT FOR CONSTRUCTION

NAME: XXX
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

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ELECTRICAL ONE-LINE DIAGRAM

DATE: JUNE 18, 2021

TOWN OF JACKSON
PRE-APPLICATION SUBMITTAL

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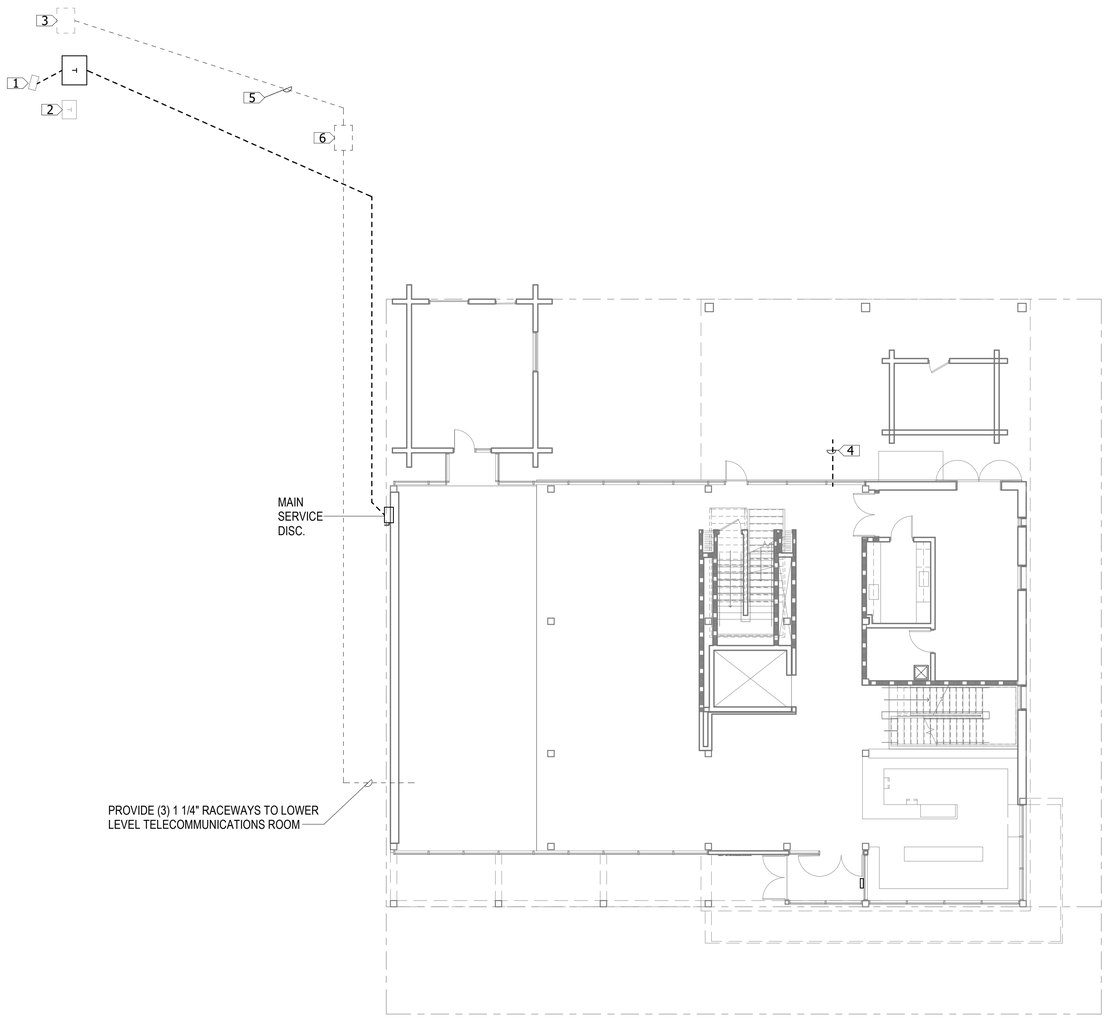

1 SITE PLAN
1" = 10'-0"

Scale: 1" = 10'-0"

0' 5' 10' 20' 40'

GENERAL NOTES

A. SITE UTILITY SCOPE TO BE COORDINATED WITH LOWER VALLEY ENERGY AND SILVER STAR UTILITIES.

B. REFER TO GROUNDING PLAN FOR GROUNDING REQUIREMENTS.

C. REFER TO ELECTRICAL DETAILS SHEETS FOR POLE BASE INFORMATION, LIGHTING CONTROL DIAGRAMS, AND ZONE SCHEDULES.

D. CONDUIT ROUTES AS SHOWN ARE DIAGRAMMATIC IN NATURE. FIELD VERIFY ACTUAL CONDUIT ROUTES PRIOR TO INSTALLING CONDUIT. PULLBOXES PROVIDE PULL BOXES FOR SITE CABLING AS REQUIRED, BUT NOT TO EXCEED MORE THAN 200' BETWEEN BOXES.

KEYNOTES:

1. EXISTING UTILITY VAULT TO REMAIN.
2. EXISTING UTILITY TRANSFORMER TO REMAIN.
3. EXISTING SILVER STAR INTERNET SERVICE PROVIDER VAULT.
4. PROVIDE (2) 1 1/4" RACEWAYS STUBBED 5FT. OUT OF BUILDING FROM MAIN ELECTRICAL ROOM SPACE FOR FUTURE USE.
5. APPROXIMATE ROUTE OF ANY INTERNET, CABLE, AND TELELCOMMUNICATIONS SERVICE PROVIDER CABLES. RACEWAY AND CABLE PROVIDE BY SERVICE PROVIDER. COORDINATE EXACT LOCAITONS AND REQUIREMENTS WITH SERVICE PROVIDERS.
6. PROVIDE HANDHOLE APPROXIMATELY 5'-0" NEAR PROPERTY BOUNDARY FOR INTERNET AND CABLE SERVICE PROVIDERS.

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ELECTRICAL SITE PLAN

DATE: JUNE 18, 2021

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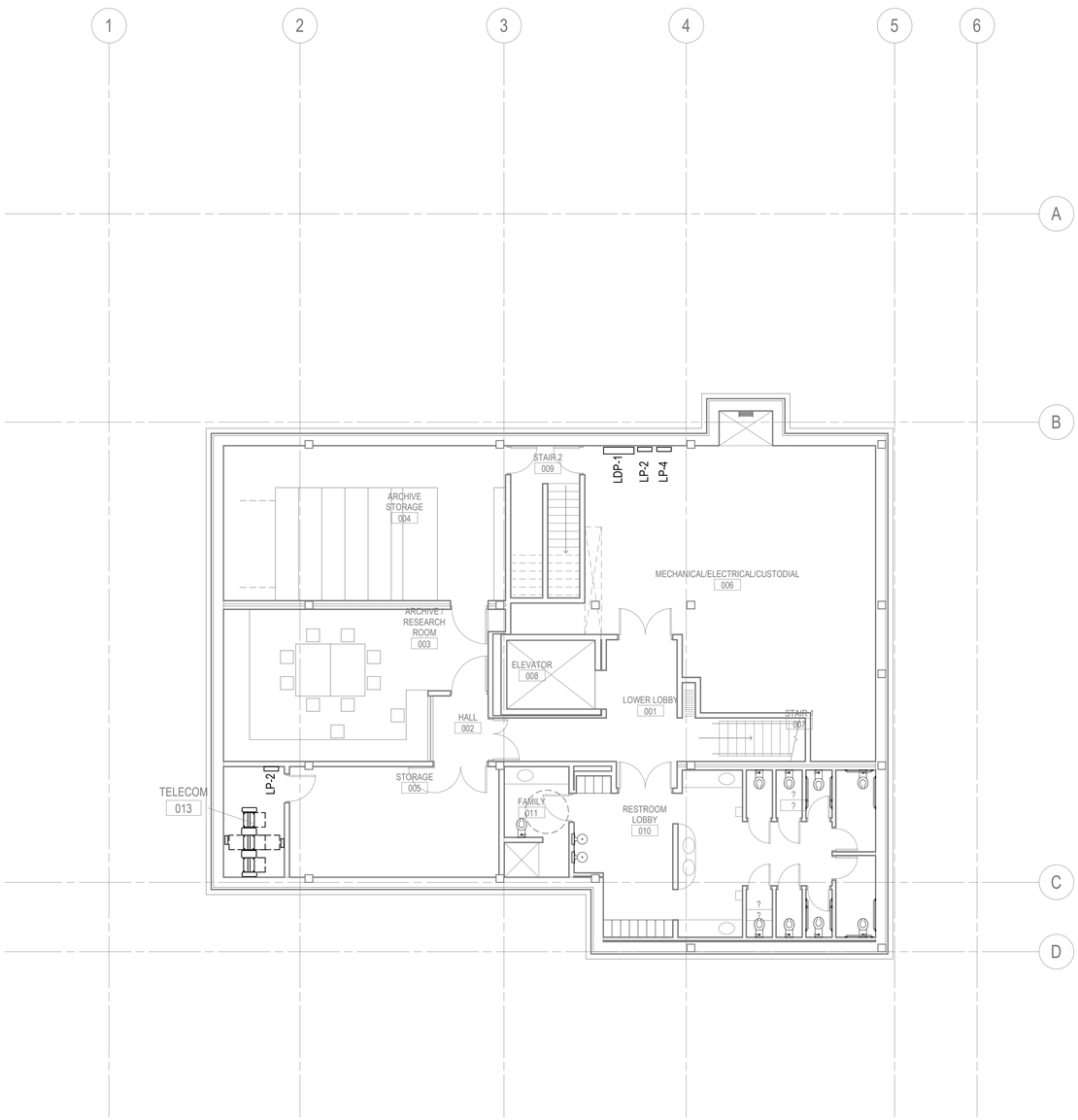

1 POWER PLAN - BASEMENT
1/8" = 1'-0"

KEYNOTES:

1. NA

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NOT FOR CONSTRUCTION

NAME: XXX
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4720-001-00

POWER PLAN - BASEMENT

DATE: JUNE 18, 2021

TOWN OF JACKSON
PRE-APPLICATION SUBMITTAL

E300

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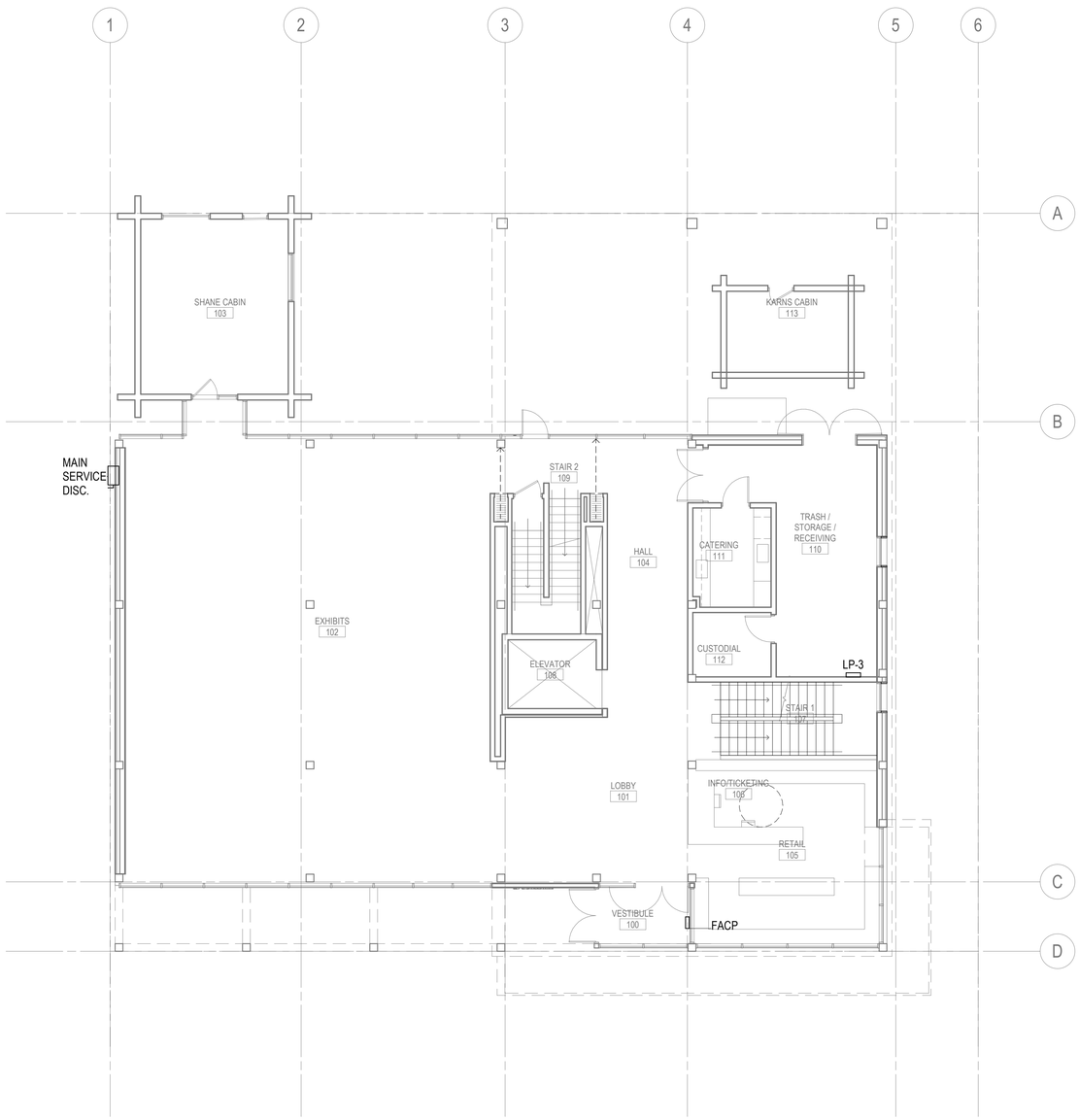

1 POWER PLAN - LEVEL 01
1/8" = 1'-0"

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KEYNOTES:

1. NA

HGA

420 North 5th Street, Suite 100
Minneapolis, Minnesota 55401
Telephone 612.758.4000

LOCAL ARCHITECT
PROSPECT STUDIO
4030 W LAKE CREEK DRIVE
SUITE 104
P.O. BOX 1870
WILSON, WY 83014
307-264-2600

CIVIL
NELSON ENGINEERING
P.O. BOX 1599
JACKSON, WY 83001
307-733-2087

LANDSCAPE / STRUCTURAL / MECHANICAL / ELECTRICAL / PLUMBING / FIRE PROTECTION / LIGHTING
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POWER PLAN - LEVEL 01

DATE: JUNE 18, 2021

TOWN OF JACKSON
PRE-APPLICATION SUBMITTAL

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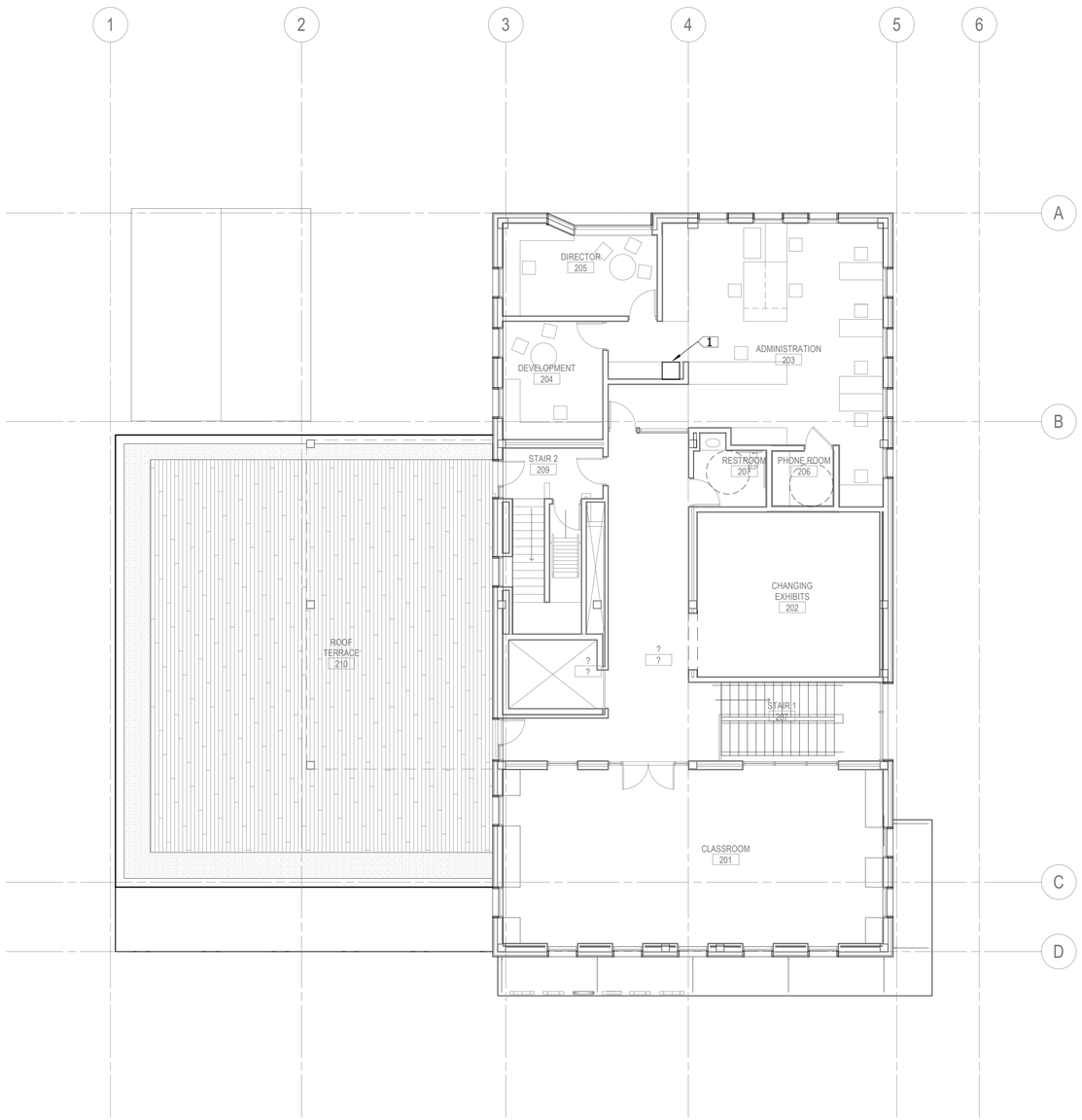

1 POWER PLAN - LEVEL 02
1/8" = 1'-0"

KEYNOTES:

1. 24"W x 24"D x 36"H WALL MOUNTED TELECOMMUNICATION EQUIPMENT CABINET TO SUPPORT DEVICES ON THIS LEVEL.

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NAME: XXX
DATE:
REGISTRATION NUMBER:

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4720-001-00

POWER PLAN - LEVEL 02

DATE: JUNE 18, 2021

TOWN OF JACKSON
PRE-APPLICATION SUBMITTAL

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Jackson Hole Historical Society & Museum

Narratives & Outline Specifications

Town of Jackson Pre-Application Submittal June 18, 2021

HGA

Hammel, Green and Abrahamson, Inc.
420 North Fifth Street, Suite 100
Minneapolis, Minnesota 55401-1180
612.758.4000 | HGA.COM

Project No. 4720-001-00
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2PART 2 - SITE WORK

2.1 Site Description

A. The 0.23-acre site is located one block east of the Town Square in Jackson, WY at 175 E. Broadway Avenue at the corner of Willow Street (aka Bruun Blvd.). The proposed project will be redevelopment and replace an existing stick framed residence which exists on the site currently.

B. The building site is more or less flat with a slight slope from north to south. Numerous old Cottonwood trees are on the perimeter of the building site.

C. Site Survey Information:

1. A design topographic survey and existing site conditions map has been prepared for the project site.

D. Geotechnical Information:

1. A geotechnical exploration and report has been completed by a geotechnical engineer to evaluate the soil conditions and provide recommendations related to the building foundation systems, site pavement, dewatering during construction and subsoil drainage.

E. Wetlands:

1. There are no wetlands on the proposed site although a small creek with a portion of Cache Creek and town stormwater flows currently enters the northeast portion of the property. This creek is planned to be relocated to the lot to the north in a spring 2021 project sponsored by the Town of Jackson.

2.2 Parking and Driveways

A. The existing drive to the existing residence will be removed and there are no proposed access drives or parking areas proposed on the site.

B. The project proposes a service drive turnout be installed on the west side of Willow Street. If approved by the Town of Jackson, the service drive turnout and associated curbs, gutters, paving and sidewalks and boardwalks to be installed will meet Town of Jackson construction standards. Existing curbing and sidewalk will be required to be removed for this purpose if the turnout is approved.

C. Parking during construction will be limited to off-site parking.

2.3 Site Lighting

A. The lighting layout will focus on safety, wayfinding and to accentuate the design.

B. Material selection to minimize light pollution.

C. Site design focus areas, including the outdoor program areas, should incorporate pedestrian-scale lighting.

2.4 Demolition, Site Clearing, and Tree Protection

A. The existing residence will be demolished or otherwise removed from the project site. The existing residence foundation will be required to be demolished and removed from the site, prior to new construction. All associated driveways, walkways to the home will also be demolished and removed by the Contractor.

B. Existing utilities: Electrical power and other dry utilities to the home will be taken out of service. Water service and sewer service are from the Town of Jackson Municipal systems. The existing water and sewer services for the home will be taken out of service and will not be reused.

C. The existing curb cut for the existing driveway will be demolished and replaced with curb and gutter.

D. Site vegetation indicated for protection or removal will be indicated on the construction plans. The cottonwood trees on the south side of the property are protected under a Conservation Easement and are required to remain, however, limbs in conflict with new improvements will be removed as specified.

E. Protect trees, plant growth, and features designated to remain as final landscaping and as required by local regulatory agencies. Tree protection fencing should be located at canopy drip line or as is reasonable for the work required.

F. Legally dispose of debris off-site.

G. Selective removal or protection of existing utility piping, paving, surfacing, and hardscape elements which occur within areas of new construction will be designated on the construction plans.

2.5 Earthwork

A. Erosion and Sediment Control

1. Best Management Practices must be used to prevent exposed soil from leaving the site and protect excavated areas from eroding. Earthwork operations must not begin until the Contractor has installed temporary erosion control measures as necessary to protect adjacent streets, property, and all storm sewer inlets from sediment transported by stormwater runoff.
2. Prevent soil from leaving the site via storm runoff, vehicular tires or other means. Use silt fencingand/ or straw wattles as needed and construct a stabilized vehicle exit drive to clean tires of vehicles leaving the site.
3. Restore eroded topsoil areas subsequent to final vegetative cover being established. Repair ruts and re-establish vegetative cover, with no additional compensation provided. Limit repair work to the smallest earthwork equipment practical.
4. Water from rock construction exit or other operations containing sediment must be treated by filtration, a settling basin or other means sufficient to reduce sediment content.
5. Pollutants such as fuels, lubricants, bitumens, raw wash water or waste from construction operations and other harmful materials must be properly disposed of off-site in a permitted disposal facility in accordance with governing regulations.
6. Silt fences must be installed before any disturbance begins.
7. Provide protection at all inlets receiving stormwater runoff from exposed earth areas.
8. Topsoil stockpiles must be isolated by placing a perimeter silt fence. Site limitations may significantly impact the ability to store stockpiles on site.
9. Maintenance: All temporary erosion and sediment control measures must be properly maintained and inspected after each storm event. Immediately restore, clean out, repair and replace the facilities affected by the storm runoff.
10. All liquid and solid wastes generated by concrete washout operations must be contained in a leak-proof containment facility or impermeable liner. A compacted clay liner that does not allow washout liquids to enter ground water is considered an impermeable liner. The liquid and solid wastes must not contact the ground, and there must not be runoff from the concrete washout operations or areas. Liquid and solid wastes must be disposed of properly and in compliance with applicable regulations. A sign must be installed adjacent to each washout facility to inform concrete equipment operators to utilize the proper facilities.

B. Strip surface soils containing organic matter in areas indicated for disturbance.

C. Maintain adequate and positive drainage of entire site for duration of project. Do not allow groundwater, surface water or direct precipitation to accumulate on subgrades or in excavations.

D. Excavation Support: Place and maintain appropriate systems to support sides of excavation and to prevent soil movement that may endanger adjacent persons, structures, pavements, or utilities.

E. Excavation:

1. Excavate to depth and limits required for construction of building, paving, utilities, and landscaping.
2. Over-excavate subgrade of ground supported foundations, ground supported slabs and paved areas only as specifically required by the Geotechnical Report and Testing Agency (TA) observations.
3. Segregate approved select soil materials free of debris for backfill and fill construction in designated locations.
4. Dispose of excess and unsuitable material off-site in accordance with local codes and regulation.

F. Backfill:
1. Import and place specified fill materials as needed to balance the site earthwork.
2. Fill uniformly in 8-inch horizontal layers, on compacted and TA approved subgrade.
3. Install 6-inches of coarse aggregate that meets the requirements of ASTM C33-90 for size No.5 (1-inch to ½-inch sieves) as part of the radon mitigation system (TBD).
4. Compact fill materials to meet required minimum specified Proctor densities.
5. Adjust moisture content as required to within 3-percent of optimum.

G. Fine grade site subgrade as necessary to construct hardscapes and landscape materials.

H. Provide and uniformly place a minimum of 6-inches of approved topsoil in landscaped areas.

2.6 Water Resources Management

A. Stormwater discharge from the site is regulated by the Town of Jackson.
1. Storm water runoff control must meet the requirements of the Town of Jackson LDRs.

B. Town of Jackson
1. A Site Grading and Erosion Control Plan Review is required for this project and is to be submitted by the Owner.
2. A proposed stormwater detention tank is proposed and will be located on the east side of the new building. The tank will be sized to retain storm water runoff from the roof of the building and portions of hardscaping if necessary. An outlet control orifice and overflow passage will be constructed interior to the storm water holding tank and discharge will be piped below grade to either the creek to the north or to the adjacent Town of Jackson storm drain system.

2.7 Site Utilities

A. Storm Drainage
1. Stormwater drainage from the roof of the new building addition will be routed to the proposed stormwater tank and ultimately to discharge at either the creek to the north or to the adjacent Town of Jackson storm drain system.

B. Pipe Materials:
1. Storm sewer 8-inch: Sch 80 PVC or Corrugated HDPE Pipe conforming to AASHTO M294, Type S.
2. Storm sewer 4-inch: PVC pipe.
3. Subsoil drains: Perforated PVC pipe.

C. Sub-slab Drainage System:
1. Groundwater elevations are known to be near the elevation of the basement in the proposed structure. As such, as dewatering system comprised of a network of 4-inch perforated PVC pipe bedded in a fre draining aggregate will be installed below slabs and at the perimeter of the foundation and a 6-inch manifold will connect to a lift station that will discharge to either the creek to the north or to the adjacent Town of Jackson storm drain system. Submersible pump size is anticipated to be in the 1 to 2HP range. (TBD)

D. Water and Sewer and Dry Utilities:
1. Existing water and sewer services on the site are required to be removed back to the mains in accordance with Town of Jackson requirements. Street repairs will be required for this purpose.

2. New water service will be installed from the 8-inch water main (TBD) in Broadway Avenue. A 4-inch water main will be hot-tap installed on the main and extended at 7 foot bury depth into the property and to the building. A 1-inch domestic service tap will be made from the 4-inch service at the property line and a curb stop and riser installed. The 1-inch domestic service will then extend to the building at 7 foot of bury.
3. New sewer service will be via a 4-inch sewer line at the north west side of the building and connect to a new 4-inch service stubout that was installed in 2020. A cleanout will be installed on the new sewer wasteline from the building.
4. New electrical wire, communications, and natural gas utilities will extend to the buidling from existing infrastructure located in a utility easement to the northeast of the property.
5. All utility trenching bedding and backfill shall be in accordance with the applicable utility company requirements and must be inspected prior to backfilling. Existing surfaces disturbed off-site for utility installations shall be restored to existing conditions.

2.8 Paving and Surfacing

A. Subgrade: Testing Agency approved in accordance with earthwork section requirements.

B. Aggregate Base: Class 5, 100 percent crushed quarry rock, in accordance with Minnesota Department of Transportation Standard Construction Specifications (Mn/DOT Specs).

C. Portland Cement Concrete (PCC): 4,000 psi, air entrained concrete in accordance with Mn/DOT Specs.

D. Asphalt or Bituminous pavement in accordance with Mn/DOT Specs.

E. Concrete expansion joint sealer (applies to concrete walks also): 2-part urethane sealant over compatible backup material.

F. Surface Areas:

1. Concrete Paving (CONC FIN-1):
   a. 4,000 psi, air entrained PCC reinforced with polypropylene fiber
   b. Joints: Tooled joints
   c. Finish: Light broom finish
   d. Thickness: 5-inch
   e. Base: 4-inch aggregate base

2. Plank Boardwalk (PVR-)1:
   a. Alaskan yellow cedar
   b. Size: 5-1/2”
   c. Thickness: 2-1/4”
   d. Base: On sleepers and concrete slab-on-grade base

3. Concrete Pavers (PVR-2):
   a. Finish: Porcelain Pavers by Tile Tech
   b. Size: 24” x 24”
   c. Thickness: 3/4”
   d. Base: Adjustable pedestals by Tile Tech Paver System

4. Wood Pavers (PVR-3):
   a. Finish: Ipe wood deck tiles by Tile Tech
   b. Size: 24” x 48”
   c. Thickness: 1-5/8”
   e. Base: Adjustable pedestals by Tile Tech Paver System

5. Live Roof Planting Trays (PVR-4):
    a. Size: 24” x 24” by Tile Tech
    b. Thickness: 3-1/4”, 2 lb/sf maximum load
    c. Base: Adjustable pedestals by Tile Tech Paver System

G. Stone Surfacing: 4-inch depth of crushed stone
1. Stone Surfacing (SITE-1):
    a. Size: 1.5” – 2”
    b. Material: Dark grey trap rock
2. Edging (SITE-2):
    a. Material: Steel
    b. Size: 3/16-inch thick x 4-inches deep
    c. Finish: Painted black
    d. Use pre-manufactured 90-degree corners when they occur on plans

2.9 Site Furnishings

A. Bike Racks (BIKE RACK-1): To be selected by Architect
1. Acceptable Manufacturers:
    a. Landscape Forms www.landscapeforms.com
    b. Forms + Surfaces www.formsandsurfaces.com
    c. MMCite www.mmcite.com
    d. Sportworks https://www.sportworks.com

C. Timber Bench:
    a. Material: WD-3 Laminated Timber
    b. Size: 16” height, 14” width, various lengths
    c. Base: Steel

2.10 Planting

A. Plant materials include trees, shrubs, perennials, ornamental grasses and sod. Plant material should be native vegetation which duplicates adjacent plant communities both in species and composition and spatial distribution patterns. All plant materials shall be derived from a list entitled “Landscape Plant Materials for the Teton County Area” from the Town Planning Department.

B. Warranty all plant materials for a period of one-year against defects including death and unsatisfactory growth.

C. Deciduous overstory trees:
1. Representative species include:
    a. Aspen
    b. Oak
    c. Hackberry
    d. Birch
2. Size: 3-4 inch caliper; B&B

D. Deciduous Shrubs:
   1. Representative species include:
      a. Chokeberry
      b. Diervilla
      c. Dogwood
      d. Sumac
   2. Size: #5 container

E. Ornamental Grasses and Perennials:
   1. Representative species include:
      a. Little Bluestem
      b. Liatris
      c. Rudbeckia
      d. Indian Grass
   2. Size: #5 container

F. Shredded Hardwood Mulch:
   1. Type: Shredded hardwood mulch, free of harmful chemicals, diseases, insects and debris.

G. Soil Separator Fabric: For use with aggregates not shredded hardwood mulch.
   1. Type: Non-woven fabric. Heavyweight, UV stabilized, Professional Landscape Fabric, 5.3 oz.

H. Planting Soil: Fertile friable sandy clay loam amended with peat moss and add mixture per soil test recommendations. Blend first 2 inches of planting soil into top of 6 inches of sub-grade. Planting areas to have an 18-inch depth of planting soil.

--- End of Part 3 ---

PART 3 - STRUCTURAL SYSTEMS

3.1 Overview

A. The intent of this narrative is to summarize the Schematic Design Phase decisions regarding the building structural system and design criteria.

3.2 Design Criteria

A. Codes and Standards: Design criteria for the structural analysis and design of this building will be based upon the following Codes and Standards:
   1. 2018 International Building Code (with local amendments)
   2. ASCE 7-16 Minimum Design Loads for Buildings and Other Structures
   3. AISC 360-16 Specification for Structural Steel Buildings
   4. AISC 341-16 Seismic Provisions for Structural Steel Buildings
   5. AISC Manual of Steel Construction – 15th Edition
   6. ACI 318-14 Building Code Requirements for Structural Concrete
   7. ACI 530-16 Building Code Requirements for Masonry Structures
   8. ANSI/AWC NDS-2015 National Design Specification for Wood Construction

B. Building Risk Category
   1. Risk Category II
   2. Primary Occupancy: Museum

C. Design Floor Live Loads
   1. Exhibit spaces, first floor corridors, and lobbies – 115 psf
   2. Office/Classroom – 50 psf (reducible) + 15 psf partitions
   3. Occupied roof deck – 100 psf
   4. Corridors above first floor – 80 psf (reducible)
   5. Light storage, mechanical and electrical rooms – 125 psf or actual equipment loads where greater

D. Design Roof Live Loads
   1. Typical Roof – 20 psf (reducible)

E. Snow Loads
   1. Ground Snow Load = 93 psf
   2. Importance Factor = 1.0
   3. Snow Exposure Factor = 1.0
   4. Snow Thermal Factor = 1.0 at heated areas, 1.2 unheated at canopy
   5. Snow Roof Slope Factor = 1.0
   6. Flat Roof Snow Load = 65 psf
   7. Canopy Snow Load = 78 psf

F. Wind Design Data
   1. Ultimate wind speed (3 second gust), V_{ult} = 105 MPH (MWFRS)
   2. Nominal wind speed (3 second gust), V_{asd} = 81 MPH (MWFRS)
   3. Wind Exposure Category: C
   4. Internal Pressure Coefficient: 0.18
   5. Mean Roof Height: 30 feet

G. Seismic Design Data
   1. Project Location
      a. Latitude: 43.48
      b. Longitude: -110.759
   2. Seismic Design Parameters
      a. Seismic Importance Factor, I: 1.0
      b. Mapped Spectral Response Accelerations: S_S=1.033; S_1=0.341
      c. Site Class: D-Default
      d. Spectral Response Coefficients: S_{DS}=0.826; S_{D1}=0.445.
      e. Seismic Design Category, SDC: D
      f. Seismic Force-Resisting System: Special reinforced masonry shear walls and wood shear walls with structural panels rated for shear resistance.
      g. Design Base Shear, V: 170 kips
      h. Seismic Response Coefficient, C_s: 0.15
      i. Response Modification Factor, R: 5.5
      j. Analysis procedure used: Equivalent Lateral Force

H. Vibration Criteria
   1. Walking Excitation: The structural system will be evaluated for vibration response due to walking excitation and designed to meet the criterion identified in AISC Design Guide 11 for "office" occupancies (acceleration limit a_0/g X 100% = 0.5%) assuming a damping ratio equal to 2.5% of critical damping based on an open office layout.
   2. Rhythmic Excitation: The structural system will not be evaluated for vibration response due to rhythmic activities.
   3. Sensitive Equipment: The structural system will not be evaluated for vibration response for sensitive equipment.

I. Deflection Criteria
   1. Typical beam live load deflection is limited to the span length divided by 360
   2. Perimeter beam live load deflection is limited to the span length divided by 600 or 3/8-inch, whichever is smaller.
   3. Wind drift is limited to building height divided by 500 and story height divided by 400 under design wind loads with a mean recurrence interval equal to 10-years.

3.3 Materials

A. Cast-in-place Concrete:
   1. F'c=4,500 psi at 28 days for foundation walls
   2. F'c=4,000 psi at 28 days for all other concrete

B. Steel Reinforcing Bars:
   1. Typical reinforcing – ASTM A615 (grade 60)
   2. Reinforcing bars to be welded or used as part of lateral systems – ASTM A706 (grade 60)
   3. Epoxy-coated reinforcing bars – ASTM A775 or ASTM A934
   4. Welded Wire Fabric – ASTM A1064
   5. Deformed bar anchors – ASTM A496
   6. Unbonded pre-stressing strand – ASTM A416 (Fpu=270 ksi)

C. Structural Steel:
   1. W shapes and Tees cut from W shapes – ASTM A992 Grade 50
   2. Plates – ASTM A36 (Fy=36 ksi)
   3. Column Base Plates and Braced Frame Gusset Plates – ASTM A572-50 (Fy=50ksi)
   4. Rectangular hollow structural sections (HSS) – ASTM A500 Grade C (Fy=50 ksi)
   5. Round hollow structural sections (HSS) – ASTM A500 Grade C (Fy=46 ksi)
   6. Pipes – ASTM A53, Types E or S, Grade B or ASTM A501
   7. Bolts – ASTM F3125 Grade A325 and Grade A490
   8. Anchor Rods – ASTM F1554
   9. Headed Shear Studs – ASTM A108

D. Structural Masonry:
   1. F'm 2,000 psi using Type S mortar
   2. Concrete Masonry Units – ASTM C90, normal or medium-weight
   3. Masonry Grout – F'c=3,000 psi at 28 days

E. Timber:
   1. Glulam beams and columns: Western Red Cedar, 16F-1.3E or approved equivalent, Architectural Grade
   2. Floor/Roof Decking:
      a. Option 1 - Cross Laminated Timber (CLT) Panels: SL-V4, SPF-S or approved equivalent, Architectural Grade, color match to glulam beams and columns
      b. Option 2 - Glue Laminated Wood Decking: Western Red Cedar, Fb = 1200 psi, E = 1.2x10^6 psi or approved equivalent with 19/32" APA rated sheathing overlaid
   3. Dimension Lumber:
      a. Western Red Cedar #1 or approved equivalent at exposed conditions
      b. SPF #1/#2 or approved equivalent at shear walls and concealed conditions

3.4 Provisions for Future Expansion

A. No provisions for future expansion have been considered.

3.5 Structural Special Testing and Special Inspections

A. Special inspection and material testing are required per IBC Chapter 17.

3.6 Deferred Structural Submittal Components

A. Deferred submittals are used for vendor-designed structural systems and components. These items are not intended to be designed by the Structural Engineer of Record and thus not intended to be permitted under the base building application. The Contractor shall engage a qualified Professional Engineer to design the following deferred structural submittal components:
   1. Exterior cladding
   2. Steel stud systems
   3. Glulam column and beam connections
   4. Curtain Wall Systems
   5. Metal stairs, landings and guardrails
   6. Excavation support systems
   7. Helical Piles
   8. Seismic Restraint for Nonstructural Components including ceilings, mechanical, electrical and plumbing.

3.7 Foundation Systems

A. Geotechnical Report: *Report Number 19-171-01 dated August 2019, revised February 2021 by Nelson Engineering*

B. General Discussion:

1. Softer silt and clay soils were encountered down to depths of 12-13 feet. These soils shall be removed until competent cobble and gravel alluvium is exposed. Overexcavation shall extend a minimum of 2' beyond the footing perimeter. Structural fill shall then be placed to achieve footing grade.
2. Groundwater is expected at approximately 16' below surface level. Monitoring wells were installed. A supplemental report describing changing water levels has not yet been developed.
3. The site is expected to not require any mitigation to prevent liquefaction in a seismic event. A seismic design site class of D is assumed.

C. Requirements for engineered fill/soil correction:

1. Upon completion of the over-excavation indicated above, the exposed bottom shall be treated to support the fill placement. Fill shall be placed in eight-inch bulk maximum lifts, moisture conditioned, compacted and tested until final grades are attained. Import soils shall consist of clean, low expansive, structural quality, compactable material free of objectionable materials.

D. Frost protection:

1. Footings shall bear a minimum of 34" below grade to provide frost protection.

E. Foundation Design Criteria:

1. An allowable net bearing pressure of 4000 pounds per square foot is assumed for the sizing of building spread footings. All building footings shall be a minimum of 12' below existing grade.
2. An allowable net bearing pressure of 3000 pounds per square foot is assumed for the sizing of historic cabin foundations.
3. Settlement = Differential ¼"; Total ½"

F. Building Foundation Systems:

1. Column Footings: Typical column spread footings will be 7'x7'x1'-6". Estimated steel reinforcing tonnage equal to 60 pounds per cubic yard of concrete.
2. Column Footings at Park: (3) columns that interface with the park shall be supported on helical piles. Provide a minimum (3) helical piles at each column. Shafts shall be 2 7/8"Ø minimum. Pile caps shall be 5'-6"x5'-6"x2'-0" deep. Estimated steel reinforcing tonnage equal to 60 pounds per cubic yard of concrete.
3. Concrete Piers: Concrete piers at perimeter columns will be 20"x20" with estimated steel reinforcing tonnage equal to 200 pounds per cubic yard of concrete.
4. Foundation Walls: Concrete perimeter wall will extend to footing. Walls will be 14" thick. Estimated steel reinforcing tonnage equal to 180 pounds per cubic yard of concrete.
5. Wall Footings: Continuous wall footings will be 3' wide x 1'-4" deep. Estimated steel reinforcing tonnage equal to 40 pounds per cubic yard of concrete.

G. Historic Cabin Foundation Systems

1. Shane Cabin
   a. Foundation Walls: Concrete perimeter wall will extend to footing to satisfy frost depth requirements. Walls will be 8" thick. Estimated steel reinforcing tonnage equal to 80 pounds per cubic yard of concrete.

b. Wall Footings: Continuous wall footings will be 2’ wide x 1’-0” deep. Estimated steel reinforcing tonnage equal to 20 pounds per cubic yard of concrete.

2. Karns Cabin

a. 6” slab on grade supported on non-frost susceptible fill. Thicken slab perimeter to 12” thick. Estimated reinforcing tonnage equal to 25 pounds per cubic yard of concrete.

H. Typical slabs on grade at the basement and Level 01 will be an unreinforced 5-inch thick normal-weight concrete slab. The concrete slab on grade in the Archive Storage room will be a 6-inch thick normal weight concrete slab, reinforced with #4 bars @ 12” OC each way. Concrete slabs will be placed over a 15 mil thick vapor barrier placed over compacted granular fill material. Under-slab vapor barriers are needed to reduce moisture transmission through all grade-supported slabs.

Steel and timber framing options are being evaluated for cost. The steel scheme is described in sections 3.8 and 3.9. The timber scheme is described in sections 3.10 and 3.11.

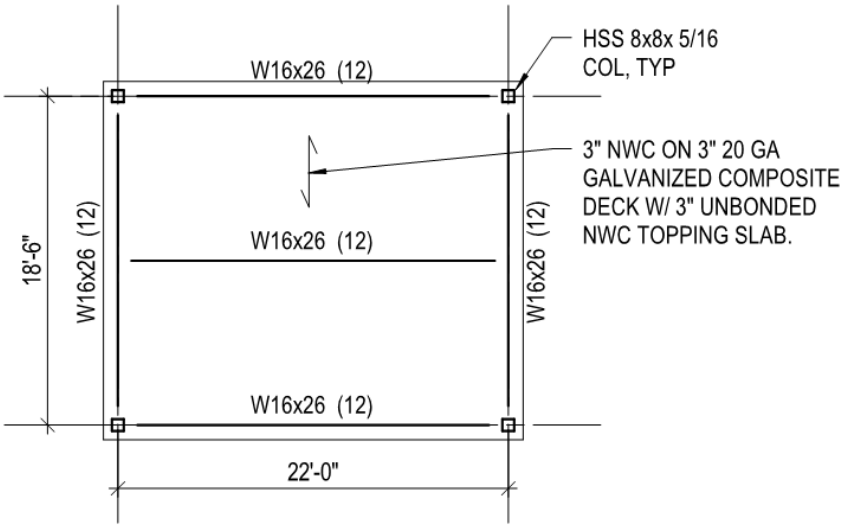
3.8 Structural Framing System - Steel

A. The schematics below do not include an allowance for connections, slab edge angles, stairs or miscellaneous structural steel framing. Please provide appropriate allowances to account for these items.

B. Level 01 Framing

1. General Description: Structural steel HSS columns supporting wide flange beams with composite deck and an unbonded topping slab.

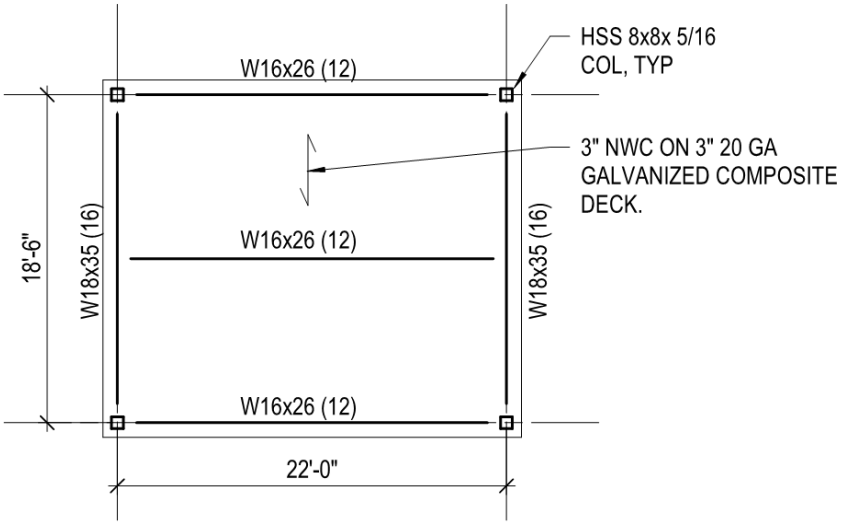
Typical Level 01 Framing



C. Level 02/Roof Terrace Framing:

1. General Description: Structural steel HSS columns supporting wide flange beams with composite deck.

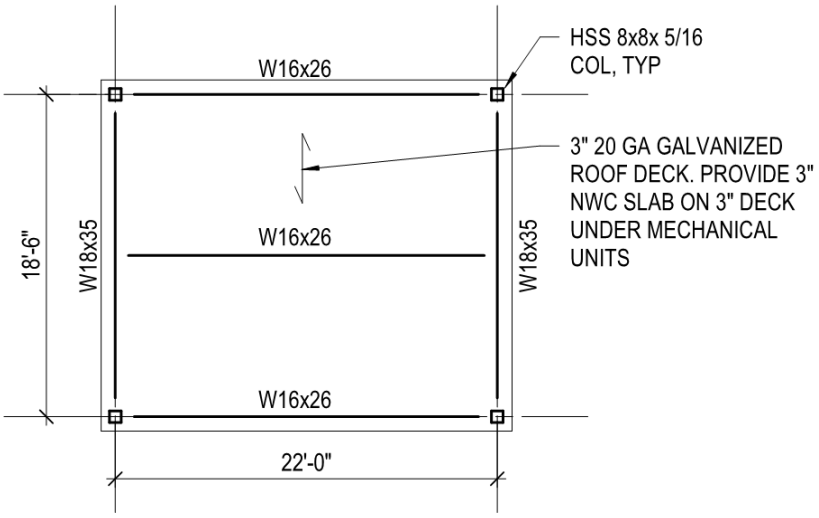
Typical Level 02 Framing



D. Roof Framing:

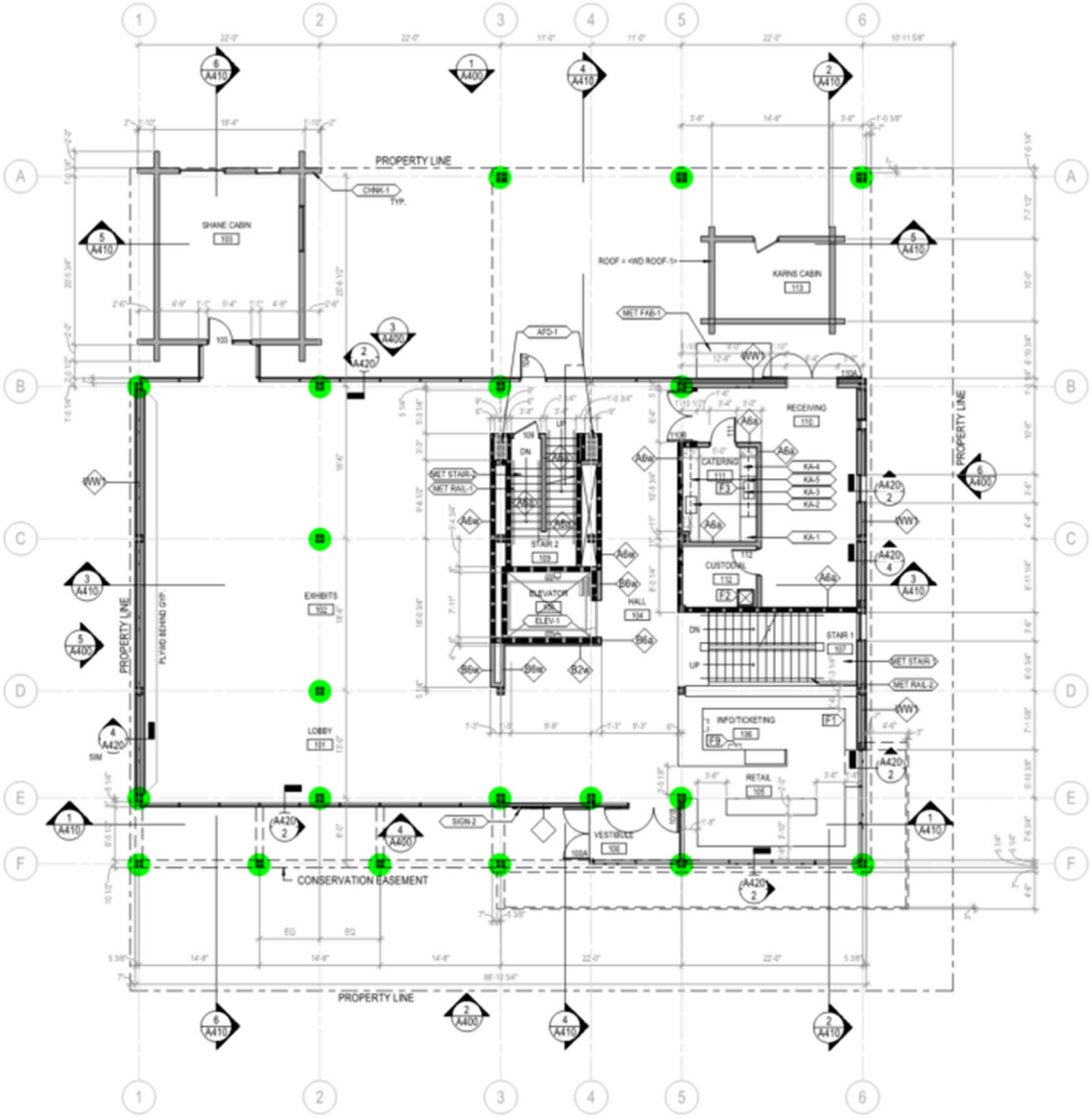
1. General Description: Structural steel HSS columns supporting non-composite wide flange beams with roof deck. Provide a concrete slab below mechanical units.

Typical Roof Framing



E. Glulam columns: Columns highlighted in green below shall be 10.75x10.5 glulam from Level 01 to Level 02. All other columns shall be steel as indicated in the preceding schematics.

Glulam Columns



F. Elevator shaft: Steel stud-framed shaft above the floor slab at the basement level. Provide (3) vertical HSS 6x6x5/16 elevator guiderail supports, each spanning from the basement level to the roof level.

G. Rooftop screening system: Galvanized structural steel HSS backup system supporting the screenwall façade. Estimated tonnage for the structural steel backup system is 8 pounds per square foot of wall. Refer to architectural for façade information.

H. Roof Terrace Trellis: Glulam columns supporting 2x14 dimensional lumber slats.

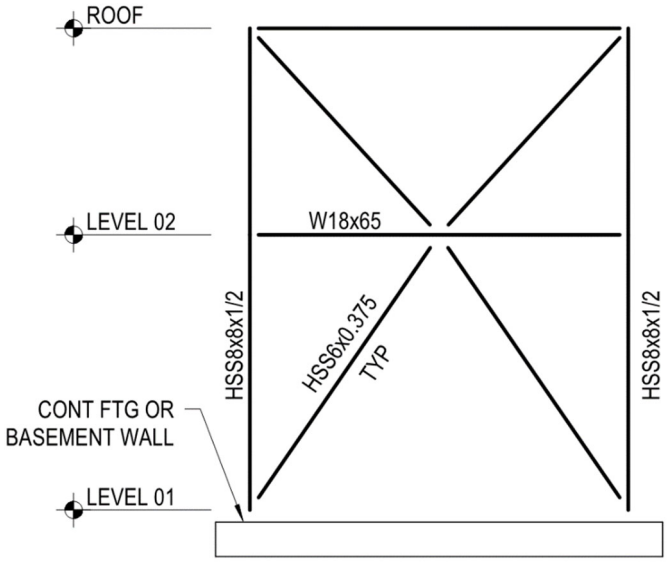
I. Entry Canopy and Overhangs: Glulam beams with 3x laminated wood decking (3 21/32" total thickness) with 19/32" sheathing overlaid.

3.9 Lateral Force Resisting System – Steel

A. Lateral force resisting systems are required to resist wind and seismic forces imposed onto the building structure. The building structure will be braced by a combination of steel special concentric braced frames and CMU shear walls.

1. Provide (2) braced frames in each orthogonal building direction.
2. Steel braced frames will be constructed with wide flange beams, HSS square columns, and HSS round tube diagonal bracing.
3. The transfer of brace forces to the beam and column will be through shop attached gusset plate connections with field welded brace to gusset slotted connections.
4. Forces will be transferred to concrete strip foundations spanning between frame columns or to concrete basement walls where present.
5. Diaphragms of steel roof deck and composite slab on deck will deliver lateral loads to lateral force resisting members. In some locations, horizontal bracing may be required to assist in this load transfer.
6. Special reinforced masonry shear walls at elevator core: 8" CMU core walls, full height of building. Estimated steel reinforcing tonnage equal to 2 pounds per square foot of wall

Typical Braced Frame Elevation

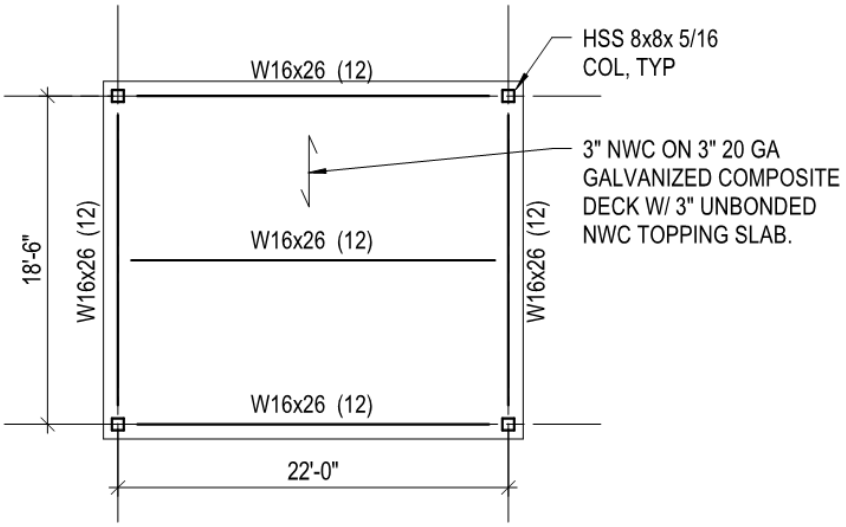


3.10 Structural Framing System – Timber

A. Level 01 Framing

1. General Description: Structural steel HSS columns supporting wide flange beams with composite deck and an unbonded topping slab.

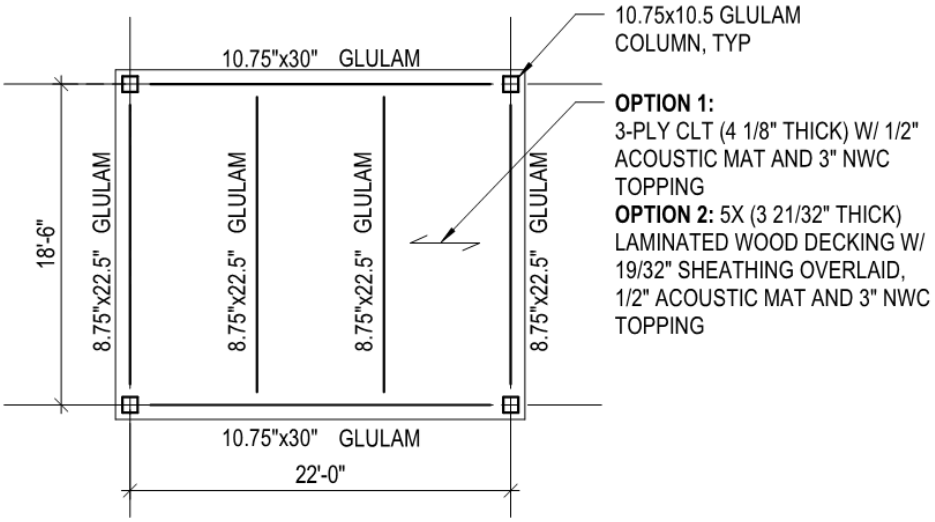
Typical Level 01 Framing



B. Level 02 Framing:

1. General Description: Glulam columns supporting glulam beams with either CLT or laminated decking, acoustic mat, and concrete topping.

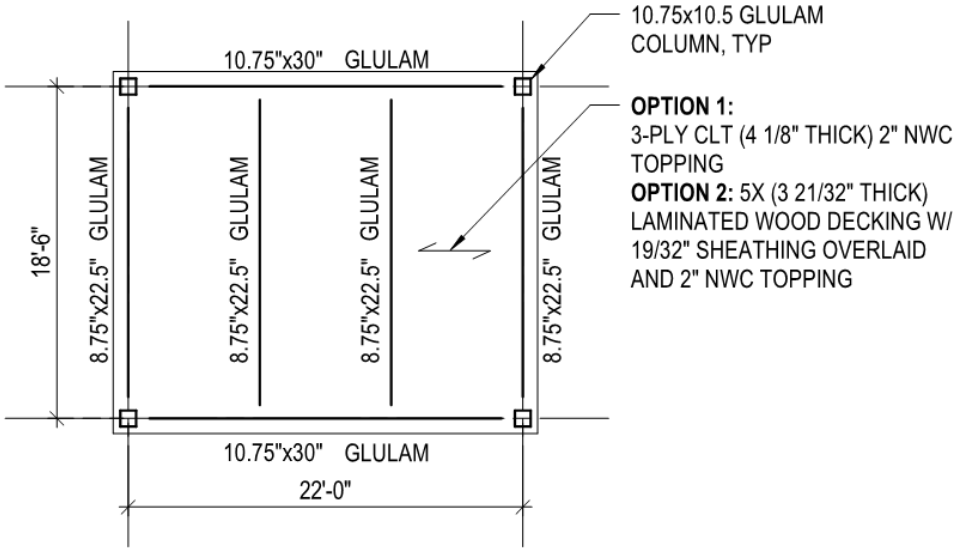
Typical Level 02 Framing



C. Roof Terrace Framing:

1. General Description: Glulam columns supporting glulam beams with either CLT or laminated decking and concrete topping.

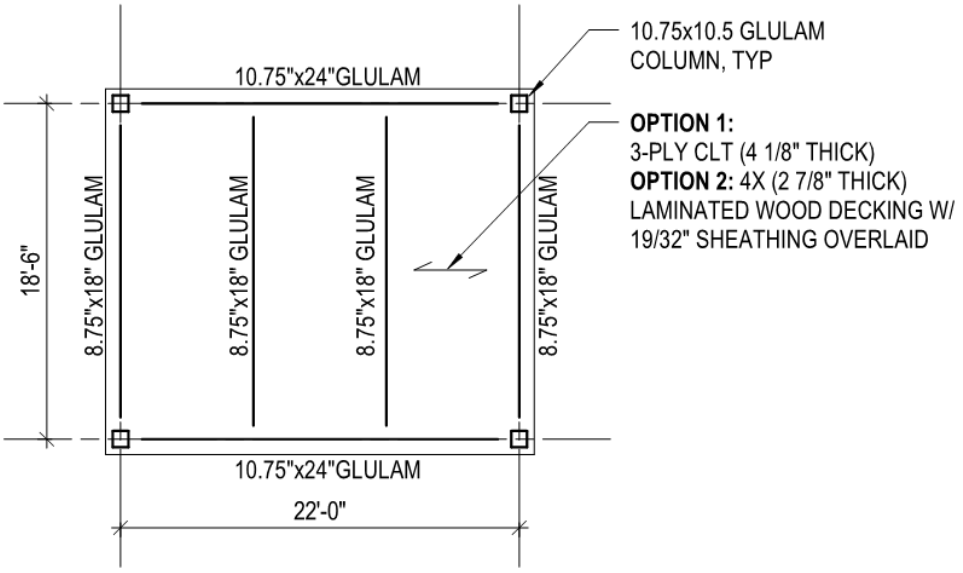
Typical Roof Terrace Framing



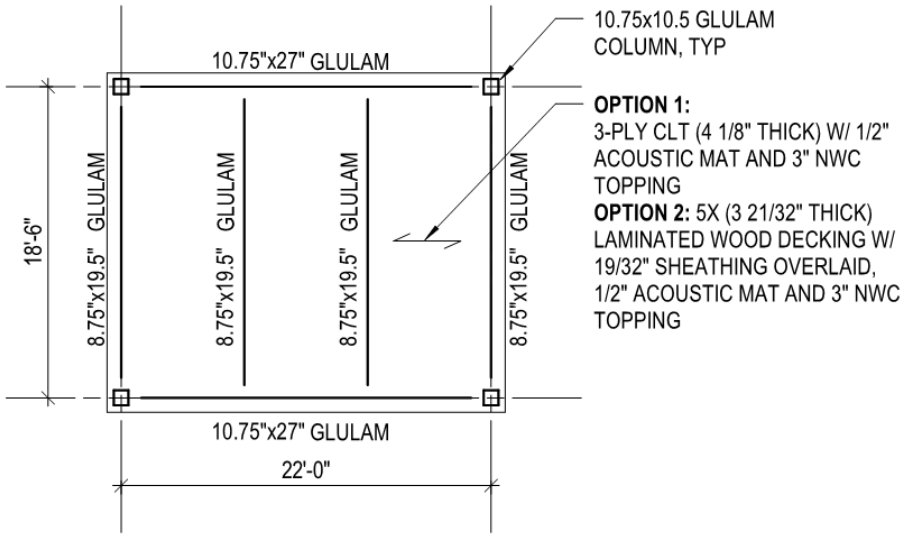
D. Roof Framing:

1. General Description: Glulam columns supporting glulam beams with either CLT or laminated decking. Provide acoustic mat and 2” concrete topping under mechanical unit and screen wall.

Typical Roof Framing



Typical Roof Framing Under Mechanical Unit and Screenwall



E. Rooftop screening system: Galvanized structural steel HSS backup system supporting the screenwall façade. Estimated tonnage for the structural steel backup system is 8 pounds per square foot of wall. Refer to architectural for façade information.

F. Roof Terrace Trellis: Glulam columns supporting 2x14 dimensional lumber slats.

G. Entry Canopy and Overhangs: Glulam beams with 3x laminated wood decking (3 21/32” total thickness) with 19/32” sheathing overlaid.

3.11 Lateral Force Resisting System

A. Lateral force resisting systems are required to resist wind and seismic forces imposed onto the building structure. The lateral force resisting system will comprise two systems:

1. Special reinforced masonry shear walls at elevator core: 8” CMU core walls, full height of building. Estimated steel reinforcing tonnage equal to 2 pounds per square foot of wall
2. Wood shear walls sheathed with wood structural panels rated for shear resistance: 2x6 studs @ 16” OC, sheathed both sides with blocked 15/32” APA rated sheathing. Nailing shall be 8d nails at 4” OC. Provide 200 linear feet of shear wall.
3. Wood deck diaphragms (CLT or 19/32” sheathing) deliver lateral loads to lateral force resisting members.
4. Forces will be transferred to building foundation walls at Level 01.

3.12 Historic Cabins

A. Shane Cabin: Reinforce roof structure to support roof snow load of 65 psf.

B. Karns Cabin: Reinforce roof structure to support new wood shingle roofing.

3.13 Miscellaneous Steel Framing

A. Provide additional allowances for other miscellaneous steel items not included herein, such as, slab and deck edge bent plates and pour stops, elevator rail support tubes, and stairs.

3.14 Stairs

A. Lobby Stair: Steel plate stringers supported from main building structure and additional steel posts where required. 3/8" steel plate will span between the steel plate stringers to support nonstructural timber treads.

B. Egress stairs are deferred submittal items. HGA is not responsible for the structural design of the egress stairs.

--- End of Part 3 ---

PART 10 - MECHANICAL

10.1 EXECUTIVE SUMMARY

A. The Jackson Hole Historical Society and Museum will utilize a combination of proven mechanical equipment and innovative systems to provide extremely stable temperature, humidity and pollutant control for museum environmental control and human comfort spaces. In addition to museum control, the mechanical systems will be energy efficient, durable, flexible, maintainable and support the Jackson Hole Historical Society programs to meet twenty-first century needs.

B. New mechanical comfort heating and cooling systems will be water-cooled variable refrigerant flow (VRF) technologies coupled with dedicated outdoor air ventilation systems to provide heating and cooling. Dedicated outdoor air systems will use energy recovery technology with integral exhaust fans to centralize exhaust needs and pre-treat outdoor air for stable mechanical system control and energy savings. A roof-mounted dry-cooler and hot water boiler systems shall serve water-cooled VRF system with the hot water boilers serving perimeter heating needs, radiant floor systems, and snow melt system. Plumbing systems shall use proven low-flow fixtures for general plumbing uses with domestic hot water being provided by a central gas-fired domestic water heater. Fire protection systems will use double-detection pre-action systems for critical areas with some dry type systems at exterior canopies and any areas subject to freezing. Sensitive museum areas will have water piping (domestic water, hydronic heating and cooling) physically separated as much as possible

C. The synergies of these systems are expected to save energy and save operating dollars when compared to code-minimum museum design while providing quality, cost-effective and long-lasting mechanical solutions.

10.2 DESIGN CRITERIA

A. Codes and Standards: Design criteria for the mechanical analysis and design of this building will be based upon the following Codes and Standards:

1. 2018 International Fire Code.
2. 2018 International Building Code.
3. 2018 International Electrical Code.
4. Energy Code not adopted. The project will adhere to 1980 Wyoming State Energy Efficiency Code.
5. Americans with Disabilities Act
6. NFPA 13 Installation of Sprinkler Systems
7. NFPA 101 Life Safety Code
8. Occupational Safety and Health Administration Regulations
9. Uniform Federal Accessibility Standards

B. Outdoor Design Criteria

1. Comfort Heating, Cooling, Humidification and Dehumidification
2. 2017 ASHRAE Fundamentals 0.4% Design Conditions: Jackson, WY

	Dry Bulb Temperature (degrees F)	Wet Bulb Temperature (degrees F)	Humidity Ratio (grains of moisture per pound of air)
Cooling	84.0	55.2	-

Dehumidification	61.5	-	73.9
Heating	-15.2	-	-
Humidification	-12.5	-	2.1

C. Extreme Outdoor Air Conditions

1. Critical Spaces Temperature Extremes
2. 2017 ASHRAE Fundamentals 0.4% Design Conditions: Jackson, WY

	Dry Bulb Temperature (degrees F)	Wet Bulb Temperature (degrees F)	Humidity Ratio (grains of moisture per pound of air)
Cooling	94.3	63.0	-
Heating	-33.5	-30.0	-

D. Indoor Space Design Criteria

	Cooling Dry Bulb Temperature (degrees F)	Cooling Relative Humidity (percent)	Heating Dry Bulb Temperature (degrees F)	Heating Relative Humidity (percent)
Collections and Exhibit Spaces	70ºF +/- 5ºF	45% +/- 5%	70ºF +/- 5ºF	30% +/- 5%
Archive and Archive Research	70ºF +/- 5ºF	45% +/- 5%	70ºF +/- 5ºF	45% +/- 5%
Shane Cabin	78ºF +/- 5ºF	55% +/- 4%	60ºF +/- 5ºF	No winter humidification
Lobby / Circulation	75ºF +/- 9ºF	50% +/- 10%	70ºF +/- 9ºF	30% +/- 5%
Human Comfort Areas (Public and Non-Public)	75ºF +/- N/A	45% +/- N/A	70ºF +/- N/A	30% +/- 5%
Vestibules	78ºF +/- N/A	N/A	60ºF +/- N/A	No winter humidification
Mechanical / Electrical Rooms	78ºF +/- N/A	N/A	60ºF +/- N/A	No winter humidification
Telecom Rooms	75ºF +/- N/A	50% +/- N/A	65ºF +/- N/A	No winter humidification
Receiving Area	78ºF +/- N/A	N/A	50ºF +/- N/A	No winter humidification

E. Building shall comply with current ASHRAE 62.1 ventilation requirements for IAQ.

F. No provisions for future expansion have been considered.

G. Emergency power for building mechanical systems are not included.

10.3 HVAC SYSTEMS

A. Variable Refrigerant Volume/Flow (VRF) System

1. A variable refrigerant volume system will serve all project environmental control and will be coupled to central ventilation system and humidification systems. The system and equipment will be by Daikin, Mitsubishi, LG, or equivalent.
    a. Note: A Variable Refrigerant Volume (VRF) system uses refrigerant as the cooling and heating medium and allows condensing units to be connected to multiple indoor fan-coil units, each individually controllable by its user, while modulating the amount of refrigerant being sent to each evaporator. By operating at varying speeds, VRF units work only at the needed rate allowing for substantial energy savings at partial-load conditions. Heat recovery VRF technology allows individual indoor units to heat or cool as required, while the compressor load benefits from the internal heat recovery. Refrigerant systems are gas-based and are safer to museum collections when compared to water-based heating and cooling systems.
2. Two (2) 25-ton cooling / 320,000 Btuh heating water-cooled condensing unit modules will be used to provide heating and cooling needs. Condensing units shall be located in interior mechanical room with heavy-gage construction, internal lining, access panels, R-410a refrigerant, high-efficiency compressors, heat transfer circuit, DC inverters, and digital controls with interface to building automation system.
3. The VRF condensing units are zoned as follows: 1) the entire lower level and the main floor exhibit spaces and 2) the remaining main floor and the upper floor. Zones are heat recovery style to allow for simultaneous heating and cooling.
4. VRF Space Conditioning Units
    b. Spaces served by VRF systems will be served by a combination of concealed and exposed ducted-fan coil units, ceiling-mounted 2-way and 4-way cassettes, as well as wall-mounted fan coil units.
    c. A total of 22 VRF zones are anticipated.
    d. Concealed fan coil units shall be 20-gauge galvanized steel, internally lined, bottom access panel, forward curve fan, direct drive motor, spring isolator mounting, and digital controls with interface to building automation system. Concealed fan coil units shall have supply air ducting to grilles, registers and diffusers. Return air shall be accomplished through return air plenum and transfer air ducts to fan coil units.
    e. Ceiling mounted cassettes shall be 20-gauge galvanized steel with manufacturer housing, 2-way and 4-way throw units, integral access panel, forward curve fan, direct drive motor, integral adjustable supply air and return air grilles, and digital controls with interface to building automation system.
    f. Wall mounted fan coil units shall be 20-gauge galvanized steel with manufacturer housing, integral access panel, forward curve fan, direct drive motor, integral adjustable supply air and return air grilles, and digital controls with interface to building automation system.
    g. VRF unit condensate drains shall drain by gravity as much as practical. For current pricing exercise, each VRF unit shall either have integral condensate lift kit (depending on manufacturer) or separate condensate lift kit.
    h. Refrigerant piping connections shall have isolation provisions at each VRF room conditioning unit, valve control boxes and condensing units for service.
    i. VRF systems, associated refrigerant circuits, refrigerant pipe routing, and room volumes shall be designed to meet allowable refrigerant concentration limits per ASHRAE 15 and governing code requirements.
5. Variable Refrigerant Distribution System

a. Variable refrigerant piping system shall utilize R-410a refrigerant.
b. Variable refrigerant piping from the water-cooled condensing units to the distributed fan coil units and air handling units shall be Type K or Type K copper and be installed per manufacturer's recommendations
c. Provide variable refrigerant manufacturer's refrigerant zone boxes / heat recovery units with appropriate number of unit ports, power connection, access panels located in areas hidden from view.
j. Provide variable refrigerant manufacturer's air handling unit connection kit for ventilation and make-up air handling units for heating and cooling tempering.
d. Provide ball valves with Schrader ports at each refrigerant connection to each fan coil unit and air handling unit.

B. Dedicated Outdoor Air Ventilation, Humidification and Energy Recovery Exhaust Systems

1. The project outdoor air ventilation, main exhaust needs, and humidification needs shall be provided by a central dedicated outside air / energy recovery systems (ERUs) located in the lower level mechanical room. Unit will be variable volume, variable temperature, 100-percent outside air unit, with air-source heat pump heating and cooling system, integral total energy recovery wheel and exhaust fan to create pre-conditioned outdoor air to serve ventilation needs, exhaust air needs and humidification. The unit will be a 2" double-wall unit arranged with single desiccant energy recovery wheel, hot water heating and DX cooling coil, MERV 8 pre-filter, MERV 14 final-filters, and supply and relief plenum fans. Space ventilation and general exhaust air will be routed through the energy recovery system to capture energy.
2. Anticipated unit size is 3,000 cfm.
3. The units shall be mounted on a roof curb with spring vibration isolators.
4. Space neutral (approximately 65-70 degree) air and humidified to provide building humidification needs is distributed through a duct network from the ERU unit to all spaces. The conditioned air is distributed to the VRF indoor units for minimum ventilation needs and to motorized dampers corresponding to main areas of exhaust air.
5. Motorized dampers shall be
6. The units will be by Aaon, Daikin or equivalent.

C. Hot Water System

1. Building boilers: The hot water boilers shall be high-efficiency, boilers serving VRF-water cooled condensing units, air handling unit preheat coil, building perimeter heat, radiant floor system and for the alternate snow-melt system. Three boilers at 600 MBH each shall be provided. Boilers shall be natural gas, fully insulated, integral safeties, condensate drain kit, concrete inertia base with neoprene pad, boiler recirc pump, and boiler control system with interface to building automation system. Boiler vent stacks shall be provided by boiler manufacturer's local representative. Anticipated basis of design system by Lochinvar or other approved equal.
2. System shall utilize 50% propylene for freeze and burst protection.
3. Pumping: Two parallel variable speed heating water pumps will distribute heating water to air handling unit heating coils, water-cooled condenser water loop and heating terminals such as unit heaters and radiant floor heating. Pumps will be inline and racked. (Bell & Gossett, Armstrong, Taco). The pumps shall include a variable speed drive connected to the Building Automation System (BAS). Anticipated size is 3 HP.

4. Piping shall be routed from lower level mechanical room boilers to VRF-water cooled condensing units and air handling unit preheat coil located in the same mechanical room and then to building perimeter heat, radiant floor systems and the snow-melt system. Pipe sizes in mechanical room are anticipated to be 3-4" while distribution piping to rest of building is anticipated to be smaller than 3".
5. Heating water piping will be Schedule 40 black steel pipe mechanical grooved joint fittings for sizes NPS 4 and up. Smaller piping will be copper tube with either solder joint or copper/bronze pressure seal (Pro-Press) fittings for pipe sizes 3" and smaller.
6. Hydronic Piping: All piping shall be 2-way control valves with full port ball valves for isolation. A system bypass valve with a modulating control valve will ensure minimum flow in the system.
7. Heating water piping accessories:
   a. Diaphragm compression tank. (Taco, Bell & Gossett, Amtrol)
   b. Air separator. (Spirotherm, Bell & Gossett)
   c. Chemical feeder.
   d. Triple duty valves. (Bell & Gossett, Taco)
   e. Calibrated balancing valves. (Gerand)
8. Heating water piping systems will be 125 PSIG minimum working pressure.
9. Heating water piping will be insulated with fiberglass insulation with a foil-scrim-kraft vapor barrier jacket covering in all areas except the mechanical rooms. Insulation thickness will be as required minimize thermal losses on hot piping.

D. VRF Condenser Water System

1. Building fluid cooler: The water-cooled variable refrigerant system shall be served by a building fluid cooler. The fluid cooler shall be extended range, flat-style outdoor fluid coolers, with 1-1/2 HP motors, 30" fans, a 2x6 fan module configuration, copper tubes with 12 aluminum fins per inch, galvanized steel fan sections, hail guards, and digital controls with interface to building automation system. Anticipated size is 40 tons of cooling and basis of design system by Guntner, Krack or other approved equal.
2. System shall utilize 50% propylene for freeze and burst protection.
3. The condenser water piping shall run from roof fluid cooler to lower level mechanical room to serve water-cooled condensing units for VRF system only. Anticipated piping size is 3 – 4."
4. Pumping: Two parallel variable speed condenser water pumps will distribute condenser water from fluid cooler to water-source variable refrigerant condensing units. Pumps will be inline and racked. (Bell & Gossett, Armstrong, Taco). The pumps shall include a variable speed drive connected to the Building Automation System (BAS). Anticipated size is 3 HP.
5. Condenser water piping will be Schedule 40 black steel pipe mechanical grooved joint fittings for sizes NPS 4 and up and copper tube with either solder joint or copper/bronze pressure seal (Pro-Press) fittings for pipe sizes 3" and smaller.
6. Hydronic Piping: All piping shall be 2-way control valves with full port ball valves for isolation. A system bypass valve with a modulating control valve will ensure minimum flow in the system.
7. Condenser water piping accessories:
   a. Diaphragm compression tank. (Taco, Bell & Gossett, Amtrol)
   b. Air separator. (Spirotherm, Bell & Gossett)
   c. Chemical feeder.
   d. Buffer tank
   e. Triple duty valves. (Bell & Gossett, Taco)
   f. Calibrated balancing valves. (Gerand)
8. Condenser water piping systems will be 125 PSIG minimum working pressure.

9. Condenser water piping will be insulated with 2” fiberglass insulation with a foil-scrim-kraft vapor barrier jacket covering in all areas.

E. Humidification Systems

1. For main building humidification, a gas-fired humidifier with direct injection manifold will be used for the dedicated outdoor air handling unit. The humidifier shall be a high efficiency gas-fired unit with minimum 5:1 turndown, +/- 3% RH control, indoor unit with integral controls, and humidifier accessories. Air handling steam dispersion manifolds will be stainless steel, insulated tubes. Anticipated humidifier size is 150lbs/hr steam generation. Humidifier shall be DriSteem or approved equal.
2. For archive and archive research room, two (2) electric resistive humidifiers with duct direct injection manifolds will be used with local zone fan coil units for humidification control. Humidifiers shall be electric resistive style humidifiers, +/- 3% RH control, indoor unit with integral controls, and humidifier accessories. Anticipated humidifier size is 30lbs/hr steam generation each. Humidifier shall be DriSteem Vapormist or approved equal.
3. A Reverse Osmosis (RO) water treatment system shall be provided to treat domestic water make-up to humidifiers. Anticipated basis of design system is DriSteem RO 200.

10.4 PERIMETER HEATING SYSTEMS

A. Cabinet Unit heaters: Main vestibule, upper level stair, main mechanical room and receiving area will have hot water cabinet or horizontal unit heaters.

1. Cabinet unit heater serving Main Vestibule shall be located in Restroom Lobby below with floor mounted supply and return grilles.
2. Provide allowance of 2 additional unit heaters for miscellaneous heating needs.

F. Radiant Floor Heating (*provide single line item in pricing for this system*):

1. Radiant floor heating systems connected to main boiler system shall offset perimeter heating needs in four zones:
   a. Upper floor Administration and Office area. Approximately 1,100 sqft of radiant floor.
   b. Main Hall and Retail and Main Entrance Vestibule. Approximately 800 sqft of radiant floor
   c. Main Vestibule. Approximately 50 sqft of radiant floor
   d. Receiving Area. Approximately 250 sqft of radiant floor
2. Radiant floor heating shall be in-slab PEX tubing system connected to zone manifolds with zone control valves, slab temperature sensor per zone, and integral moisture sensor for Main Vestibule and Receiving area. Provide manufacturer recommended underfloor insulation layer. Anticipated basis of design system by Uponor, Rehau or Heatlink.

10.5 EXHAUST SYSTEMS

A. VRF DOAS General Exhaust System: Toilet rooms, custodial closets, catering, trash / storage / receiving, and other spaces requiring general exhaust will be exhausted through VRF DOAS Unit.

10.6 AIR DISTRIBUTION DUCTWORK

A. Supply air, return air, outside air, and exhaust air ductwork will be fabricated of galvanized sheet metal in rectangular and round shapes according to SMACNA Duct Construction Standards for 2-inch and 4-inch Pressure Classification, and for Class A duct sealing 4 inch pressure class ductwork will be used for all supply duct mains from air handling units. 2 inch pressure class ductwork will be used for supply ducts from duct mains to air terminal units and control devices. Insulated flexible ducts will be used for connections to air terminal units and control devices above ceilings. Return ductwork will be 2 inch pressure class throughout. Exhaust ductwork will be 2 inch pressure class.

B. All outdoor air ductwork will be insulated with 2” external fiberglass duct insulation board with vapor barrier jacket covering.

C. Return air will be transferred from each isolated room through acoustic transfer ducts with 1” liner to common return plenums.

D. Manual volume dampers will not be located within 10 diameters of an air terminal, inlet, or outlet.

E. Provide duct accessories such as fire and fire/smoke dampers, balancing dampers, duct access doors, flexible ductwork, etc. as necessary.

F. Design duct velocities will not exceed 1,500 fpm.

G. Overhead registers, grilles and diffusers: A combination of square louver-face diffusers, round nozzle, linear slot diffusers, double-deflection sidewall registers, and horizontal bar return and exhaust registers will be used.

H. Belowground Ductwork (*provide single line item in pricing for belowground ductwork*)

   1. Provide belowground supply air ductwork from VRF fan coil units located in lower level mechanical room to perimeter, floor mounted diffusers in Exhibit Space, Lobby Exhibit Space and the Shane Cabin.
      a. For the Exhibit Space and Lobby Exhibit space, belowground ductwork shall extend to all areas of South and North glazing and portions of the West Wall. Supply air ductwork shall run along exterior perimeter of room and shall terminate at floor level diffusers. Anticipated size of buried ductwork is 20” diameter.
      b. For Shane Cabin, two sections of 4” underground ductwork is anticipated for ventilation air ductwork and for sleeving refrigerant piping from main building out to Shane Cabin VRF fan coil unit.
   2. Ductwork shall be FRP or Blueduct.

10.7 AUTOMATIC CONTROL SYSTEM

A. Direct digital control systems for control and monitoring of mechanical equipment and energy managements systems will be provided for the project. The control system will include direct digital control panels with electronic sensors, equipment controls, meters on all major utility services such as electricity, natural gas, and domestic water.

B. The automatic control system will be a stand-alone direct digital control system with equipment as manufactured by Johnson, Alerton or approved equal. All controls will be open protocol (BACNet) on both the IP and MSTP levels. Off-site monitoring and secured control capability through internet connection shall be provided.

10.8 BUILDING SYSTEMS STARTUP AND VERIFICATION

A. Testing and Balancing. HVAC air and water systems will be tested, adjusted, and balanced by an approved independent AABC or NEBB certified agency.

B. Equipment Startup and Testing. The Mechanical Contractor will accomplish equipment startup and testing. Each piece of equipment will be started and checked out according to manufacturer's recommendation to assure proper operation before occupancy.

C. Owner Training. The Mechanical Contractor will demonstrate the operation and maintenance procedures of each mechanical system or equipment item for the Owner's representative before occupancy.

D. Automatic Control System Testing. The Automatic Control System will be started and checked out by the System Installer and by the Mechanical Design Engineer to assure proper operation and conformance with requirements before occupancy.

E. Commissioning (*provide single line item in pricing for commissioning*). Commissioning of building energy management systems shall be performed to ensure system performance. Contractors shall be prepared to engage in commissioning meetings, corrective actions and verification activities.

10.9 DOMESTIC WATER SYSTEMS

A. An 80-gallon gas-fired, storage-type water heaters shall serve bathroom groups. Provide associated recirculation pump with system connected to timeclock controls.

B. New Plumbing Fixtures: Provide plumbing fixtures for building areas as follows:

1. Water Closets: Wall-hung, china, water conserving 1.28 gpf.
    a. Battery-powered, electronic sensor flush valve type in all areas.
2. Lavatories: Integral, solid-surface lavatories with water conserving 0.5 gpm faucets
    a. Battery-powered, electronic sensor touchless faucet in all areas.
3. Sinks: Counter-mounted, stainless steel sinks with trim of various types and sizes.
4. Service Sinks: Floor-mounted, molded stone receptors with manual mixing faucets.
5. Electric Water Coolers: Wall-hung, stainless steel types with integral refrigeration systems.
    a. Water coolers shall be provided with bottle filler accessory
    b. Water coolers shall be Elkay.
6. Wall Hydrants: Non-freeze, keyed type at building exterior and roof terrace.

C. Domestic cold and hot water piping will be provided to building fixtures and equipment. Piping will be concealed within building shafts, walls, and above ceiling spaces in finished areas. Piping will be exposed in mechanical and equipment rooms.

D. Water piping will be Type L hard copper tube with copper solder-joint fittings and soldered joints. Solder will be equivalent to 95-5, having less than 0.10 percent lead content.

E. Water piping systems will be designed for a working pressure of 125 psig, unless higher pressures are warranted.

F. Valves in domestic water piping systems will be ball valves for sizes up to 3".

G. Water piping will be provided with shutoff valves for isolation of piping sections for maintenance and repair. Locate isolation valves in walls to allow rapid access in the event of leaks or overflows. Means will be provided to drain piping.

H. Water piping will be insulated with fiberglass insulation with a foil-scrim-kraft vapor barrier jacket covering. Insulation thickness will be as required to prevent condensation on cold piping, and to prevent thermal losses on hot piping.

10.10 NATURAL GAS

A. Natural gas piping shall be routed from main building point of entry down to gas-fired hot water boilers and domestic water heaters.

10.11 SANITARY WASTE AND VENT SYSTEMS

A. Provide sanitary waste and vent piping to serve new plumbing fixtures and equipment.
B. Provide cast-iron floor drains and cleanouts.
C. Above ground sanitary vent piping shall be service class cast-iron pipe and fittings with compression joints, hubless cast-iron pipe and fittings with shielded stainless-steel couplings, or steel pipe with threaded joints.
D. Sanitary waste piping will be routed by gravity connect to existing sanitary piping. Piping will be below grade, or concealed within building ceiling and wall cavities if possible. Sanitary vent piping will extend to the roof.
E. Any underground piping shall be PVC pipe and fittings.
F. Floor drains shall be provided in toilet rooms, janitor's closets, and mechanical rooms.
G. Install piping systems according to state and local plumbing codes, including State Health Department requirements.
H. Elevator Sump Pumps
    1. Elevator shaft will be provided with a sump basin and duplex pumps.
    2. The sump pump controller will have dry contacts to send a high water alarm signal to the BAS for remote monitoring.

10.12 STORM DRAIN SYSTEMS

A. Provide new primary roof drains with internal rainwater leaders that route down and connect to storm drainage system in basement area.
B. Overflow roof drains shall be piped and routed internally to then discharge onto splash blocks on grade.
C. Roof drains will be cast-iron body types, with dome strainers. Overflow discharges shall be sidewall, antique bronze downspouts. Perforated, hinged covers shall be used where code allows.
D. Above grade horizontal storm water collection piping below the roof level will be service weight cast-iron pipe and fittings with no-hub couplings. Underground piping shall be PVC pipe and fittings.
E. All above ground stormwater piping (primary and overflow) and the roof drain body shall be insulated with 2" of fiberglass insulation with a foil-scrim-kraft vapor barrier jacket.

10.13 FIRE PROTECTION SYSTEMS

A. Provide new fire sprinkler protection for 100 percent of new building areas.

B. Collections fire protection system (*provide single line item in pricing for commissioning)*:
   1. Provide a double-interlocked, pre-action system to serve the following areas:
      a. Main floor Exhibit and Exhibit Lobby space
      b. Upper floor Changing Exhibits area.
      c. Lower level Archive
      d. Lower level Archive Research Room.
   2. Two valve assemblies with valving, controls, compressor and accessories shall be located in lower mechanical room. One shall serve the exhibits rooms and one and shall serve the archive rooms.

C. For remaining building areas, fire protection systems shall be served by a standard wet pipe system with dry type heads in areas subject to freezing such as exterior main entrance canopy.

D. The new fire service will enter into the lower level and will include required backflow prevention, detector check valve, bypass meter etc.

E. Fire protection piping shall be Schedule 40 black steel piping with threaded or mechanical grooved-end fittings and couplings. Threadable lightwall piping will be allowed for pipe sizes NPS 3 and smaller. Thinwall or plastic piping will not be allowed. Galvanized piping will used on connections to exterior fire department connection. Stainless steel flexible drops to sprinkler heads are acceptable, pending approval by the local Fire Marshal.

F. Provide sidewall, pendent or upright sprinkler heads in spaces without finished ceilings and fully concealed, recessed pendent heads in finished areas.
   1. Concealed sprinklers in public areas shall have custom color cover plates to match the adjacent ceiling color.
   2. Exposed sprinklers in public areas shall be custom color to match the adjacent surface color.
   3. Sprinklers in non-public and unfinished areas without ceilings will be standard brass in color.
   4. Sprinklers in non-public areas with ceilings will have custom color cover plates to match the adjacent ceiling color.

G. Sprinklers will be located in a regular pattern, perpendicular and parallel with building lines, and in perfect alignment with other ceiling or building components. Sprinklers will be installed in the center of acoustical ceiling tiles, and no closer than 4-inches from any ceiling edge or other ceiling component.

H. Elevator equipment rooms, shafts and pits will be protected in accordance with the ANSI A17 elevator code and NFPA 13.

I. System pressure and flow tests at the two fire hydrants nearest to the proposed utility connection point will be required in order to determine requirements and complete sizing for the fire pump.

J. Provide 6” remote fire department connection at east side of building.

K. Flow switch and flow alarm at each zone shall be interconnected to building fire alarm system. Electrically operated alarm shall be UL 464, as manufactured by Potter Electric Signal Company or equal. Electrically operated valve supervisory switch shall be UL 753, as manufactured by Potter Electric Signal Company or equal.

L. Hose Connection System
   1. 2-1/2 inch fire department valves at each floor will be provided in or near each stair enclosure and at the stage as required for full coverage with 100 foot hoses.
   2. Sprinkler zone valves with test valves will be provided from central locations on each floor.

M. An electric fire pump is not anticipated. Final confirmation from hydrant testing is required to confirm.

10.14 SNOWMELT ALTERNATE

A. A snow melt system connected to main boiler system shall minimize snow accumulation at roof terrace. Approximate area of snow melt system is 500 sqft.
B. Snow melt system shall be 2'x2' panelized, pedestal mount snowmelt system suitable for application under roof terrace paver system. Anticipated basis of design snow melt system is ThermaPANEL by Therma-Hexx.
C. Provide snow melt system PEX tubing connections connected to zone manifold with zone control valves and slab temperature and moisture sensor. Provide manufacturer recommended underpanel insulation layer.

10.15 GEOTHERMAL ALTERNATE

A. Provide line-item alternate for a geothermal heating and cooling alternate using a vertical bore, closed loop ground source heat exchanger system by Darcy Solutions geothermal technology (https://darcysolutions.com/).
B. Darcy solutions has a proprietary geothermal system that can provide ground source condenser water to replace traditional condenser water systems. Darcy has quoted a rough order of magnitude price of $40,000 for a single vertical heat exchanger that provides 40 cooling and heating tons of condenser water system. The price includes complete installation of vertical heat exchanger and all exterior geothermal piping up to condenser water manifold located inside the building.
   1. For the purposes of this exercise, provide pricing for (2) two vertical heat exchanger options: 1 single 40 ton well and two, 40 ton wells.

C. For mechanical system impact for this option, revise mechanical systems in the following manner:
   1. Remove roof-mounted building fluid cooler and associated piping down to lower level mechanical room.
   2. Provide new condenser water manifold within mechanical room. Remaining condenser water system components remain the same.
   3. Remove one (1) 600 MBH boiler from hot water system.

D. For architectural, structural and site impacts for the option, revise systems in the following manner:
   1. Remove roof screenwall system
   2. Remove structural pad under fluid cooler
   3. Provide new foundation sleeving at geothermal entrance piping.
   4. Add 30 feet of horizontal trenching at 7' below grade for new geothermal piping.

--- End of Part 10 ---

1.1 ELECTRICAL SYSTEMS

3.0 APPLICABLE CODES

A. 2018 International Fire Code.

B. 2018 International Building Code.

C. 2018 International Electrical Code.

D. Energy Code not adopted. The project will adhere to 1980 Wyoming State Energy Efficiency Code.

E. 2010 ADA Standards for Accessible Design (Department of Justice)

F. NFPA 70 National Electrical Code 2020 Edition

G. NFPA 72 National Fire Alarm and Signaling Code 2016 Edition

H. NFPA 110 Standard for Emergency and Standby Power Systems 2016 Edition

I. NFPA 2001 Standard on Clean Agent Fire Extinguishing Systems 2015 Edition

J. UL 464 Standard for Audible Signal Appliances 2009 Edition

K. UL 521 Standard for Heat Detectors for Fire Protective Signaling Systems 1999 Edition

3.1 SUSTAINABILITY

A. The project will not be pursuing a USGB LEED certification , even if the Client does not pursue LEED certification.

B. Energy Monitoring: No specific methodology of metering is to provided unless noted otherwise in the narrative or drawings.

3.2 ELECTRICAL PROJECT SCOPE

A. Electric Utility Service

1. Temporary Power
   a. Provide temporary construction power to the site and construction services. The permanent building utility company pad-mounted transformer may be utilized for temporary power and consideration of this should be given when locating the utility transformer. Provide proper electrical and physical protection for pad-mounted transformer. Contractor is responsible for all distribution and metering equipment of construction power.
   b. Provide complete, adequately sized, and metered temporary electric power and lighting services for all trades. The General Contractor will pay energy charges. Provide service equipment, feeders, panel boards, panel board receptacles, and lighting as required for the trades to perform quality work in a safe environment. Energize hoists, cranes, elevators, field offices, and other large significant loads. Work shall include ground fault protection where required and comply with OSHA and the NEC. Remove facilities prior to occupancy.
2. Permanent Power
   a. Refer to electrical one-line diagram and site plan.
3. Electrical Power Distribution System: Refer to one-line diagram.

4. Locate main service distribution board/switchboard in a dedicated electrical equipment room, main overcurrent and disconnecting means sized based on load noted above, with feeder devices for lighting panels, surge protective device, 10% spare capacity, and 10% spares/spaces for three pole feeder devices.
5. Branch circuit panels shall include 10% spare breakers/spaces in each panel.
6. UPS are furnished by Owner, installed by contractor.
7. The following Voltages are Typical:
   a. Motors 1/2 HP or Greater: 208V, 3 phase
   b. Lighting: 120V
   c. Receptacles and Motors 1/3 HP or Less: 120V
8. General Convenience Duplex Receptacle Locations and Quantities
   [List any special purpose outlets within the room requirements]
   a. Corridors: Receptacles every 40 feet throughout for housekeeping purposes.
   b. Storage, Utility Spaces: One receptacle at entrance door, 48 inches AFF
   c. Mechanical Spaces: GFCI receptacles at 48 inches AFF, spread throughout for maintenance purposes
   d. Outdoor: One In-Use WP GFCI receptacle at each entrance/exit from the building, with additional perimeter In-Use WP GFCI receptacles to reduce the spacing to 100 feet maximum. One roof-mounted WP GFCI within 50 feet of each piece of roof-mounted equipment.
   e. Not more than 8 duplex outlets shall be connected on a circuit.
   f. Restrooms: One GFCI receptacle adjacent to each sink.
   g. Retail: One double duplex at each point of sale. One receptacle for every 50 SF.
   h. Exhibits: Refer to Exhibit design and narratives. Provide for a minimum of 8 Wiremold 8" Evolution poke-thru devices for power, telecom, and AV systems.
   i. Historic cabins: One In-Use WP GFCI receptacle per cabin.
   j. Lobby: One receptacle every 30 linear feet.
   k. Ticketing: One double duplex at each point of sale.
   l. Archive: One receptacle for every 100 SF.
   m. Classroom: One 6" poke-thru every 50 SF.
   n. Administration/Office: One duplex receptacle and one double duplex receptacle for every workstation.
   o. Roof Terrace: Six In-Use WP GFCI receptacle. One 120/208V 30A special purpose receptacle for events.
9. Other Power Requirements
   a. Hard-wired equipment connections necessary for door operators, projection screens, motorized shades, etc.
      1) One projector for each classroom or conference room.
      2) One 120V 20A circuit per level for building automation system controls.
   b. Food Service and Catering equipment. Refer to food service design and narratives.
   c. Include power for mechanical, plumbing, medical gas, and fire protection equipment as determined from design per Mechanical Narrative
   a. Switchboards
      1) Buses and Connections: Three-phase, four-wire type, copper bussing, uniform capacity entire length of switchboard.
      2) Overcurrent Protective Devices: Ratings, characteristics and settings suitable for use. Main and branch devices shall be electronic trip types with integral metering for customer's use. Fully rate equipment for utility fault current available. Short circuit ratings shall not be less than calculated available fault currents.

3) Ratings: Nominal system voltage, continuous main bus amperage, short-circuit-current rating suitable for use.
4) Provide surge protection devices.

b. Panelboards
1) Panelboard enclosures shall be made of code gauge steel with finished cabinet front with concealed trim clamps, concealed door hinges, door-in-door construction, and lockable trim door with flush locks all keyed alike. Copper bus. 120/208-volt circuit breakers shall be bolt on, minimum 35,000 AIC rating. Panel board bus ampacity shall be as indicated elsewhere in this narrative. Provide removable typewritten circuit breaker identification inside door. Provide surge protection devices.

c. Disconnect switches shall be heavy duty, horsepower rated, 250 volt or 600 volt, 2 pole, solid neutral, or 3 pole fused or non-fused and as required. Switch shall be quick make quick break with interlock and lockable enclosure door for opening. Provide NEMA 1 enclosure indoors, NEMA 3R outdoors, and NEMA 4X in interior wet locations. Fusible switches shall use current limiting fuses with rejection type fuse clips.
1) Fuses 600 amp and above shall be KRP C. Fuses 600 amp and below shall be LPN RK or LPS RK except that motor circuit fuses shall be FRN R.

d. Circuit Breaker Disconnects
1) Provide molded case disconnect switches for large fixed medical equipment. Provide circuit breaker with shunt trip. Circuit breaker AIC rating shall coordinate with the circuit.

e. Motor Controls
1) Magnetic/Combination Starters: NEMA 1 enclosure with pilot light, HOA switch, control transformer with matching closing coil, 1 NO & 1 NC auxiliary contact and thermal overload protection sized to the motor. Fusible switches shall be quick make, quick break with interlock to door. Starters shall be full voltage across the line sized as necessary.
2) Stand-Alone Motor Starters: Provide a magnetic starter for all motors without integral controls. Provide a combination starter when starters are mounted within sight of the motor.
3) Air Handling Units and Pumps: Where served by a VFD, VFD to be furnished by Division 23, installed by Division 26, and connected by Division 26.

B. Emergency Power
1. Centralized Lighting Inverter: This option would eliminate the need for any standby emergency generator associated distribution equipment. Provide a centralized lighting inverter to supply emergency egress lighting. Fire alarm and security systems would need to be equipped with battery backup. Owner should consider an uninterruptable power systems (UPS) for telecommunications room.

C. Lightning Protection System
1. No lightning protection systems is necessary for the project.

3.3 BASIC MATERIALS AND METHODS

A. General
1. Shop drawings, Operation and Maintenance Manuals, and Operating instructions for the Owner are required for this project.
2. All materials shall be new and have superior quality, UL Listed and Approved for the purpose, and installed per code.

3. Work shall be installed all applicable NFPA codes and applicable state and local codes. Secure and pay for all permits, licenses, utility and inspection fees, and coordinate all work with local inspection authorities.
4. All systems shall be completely functional and wiring systems shall test free of defects using megger, continuity, ground, voltage, current, and phase rotation tests. Balance system phase currents to within 5% of each other.
5. Provide all cutting and patching necessary for installation of electrical work and restore finished surfaces disturbed by this Contractor. Do not cut or drill structural members.
6. Provide general cleanup of waste and rubbish in the work area, and clean all removed and reinstalled equipment and luminaires. Clean all equipment that has become dirty during construction.

B. Equipment Support

1. Provide support of all electrical work through the use of hanger rods, clamps, structural framing, fastening devices, and backboards. Provide vibration isolation in all supporting hardware for vibrating electrical equipment installed by this Contractor. Provide 4 inch high concrete pads for floor mounted equipment.

C. Identification

1. Provide engraved nameplates, wire and cable markers, embossed tape, and device plate cover engraving on electrical distribution and control equipment and the loads they serve, main power and special system cabinets, motor control centers, motor starters and variable frequency drives, and disconnects.

D. Underground Installations

1. Provide all excavation, backfilling, fill, and compacting of trenches for installation of electrical work. Provide all necessary pumping and drains. Restore site surfaces such as streets, sidewalks, curbs, paved areas and lawns, to original condition. Install marking tapes and pitch conduits away from the building for draining.

E. Raceway Systems

1. Conduits: Rigid steel, IMC, EMT, Flexible steel and Liquid tight, and PVC conduits will be used with approved fittings. Provide complete raceway systems including outlet boxes, pull boxes, and fittings. Conceal conduits in finished spaces. Group conduits on racks leaving 25% conduit space and suspend from the structure. Size conduits, boxes, and bends per the NEC. Provide expansion fittings, conduit seals, drain tees, conduit hubs, fire/smoke barriers where required. Metal conduits shall have continuous grounding integrity.
   a. Schedule 80 PVC conduit will be used for the underground service entrance conduits and underground branch circuits.
   b. PVC will be used for feeders running below the slab.
   c. IMC will be used for feeders outdoors.
   d. EMT will be used for interior feeders and branch circuits.
   e. Flexible steel or Liquid-tight will be used for connection to motors and transformers
   f. Use 3/4 inch conduit as minimum size on all circuits, including emergency.
   g. Minimize conduits in structural slab and deck pours. At slab on grade, keep conduits below slab.

F. Wire and Cable
   1. Branch circuit conductors shall be THWN-2/THHN stranded copper #12 and larger. Minimum wire size is #12. All conductors shall be in raceways with color coded insulation and each voltage system shall be separately identified. A green ground conductor will be installed in each feeder and branch circuit conduit. Feeders 100 amps and larger shall be copper.
   2. Provide a separate neutral conductor for all 120/208-volt branch circuits.

G. Boxes and Cabinets
   1. Pull & Junction Boxes: Indoor boxes shall be NEMA 1, constructed of a single piece code gauge steel, with folded and welded corners, complete with flat removable screw down cover. Outdoor boxes utilizing rigid metal conduit shall be cast iron with cast iron gasketed cover held down with stainless steel screws. Outdoor boxes utilizing PVC conduit shall be plastic with screw down gasketed cover. Size all boxes per NEC article 314. Provide boxes to comply with code and to provide ease of conductor installation.
   2. Outlet Boxes and Fittings: Interior outlet boxes shall be galvanized steel, non gangable, with knockouts and covers or extension rings as required. Exterior surface outlet boxes shall be cast iron alloy with threaded hubs and screw down gasketed WP covers.
   3. Cabinets: Cabinets shall be constructed of code gauge steel without factory knockouts, surface or flush mounted and shall appear as a panel board with a hinged and latched door. Provide barriers to separate low voltage and power wiring as required.
   4. Minimum junction box size for low voltage systems shall be double-gang. Provide single-gang mud rings as recommended by system manufacturers.

H. Devices and Cover Plates
   1. Switches shall be heavy-duty specification grade, 20 amp, 120/277 volt, quiet toggle, momentary contact, pilot type or illuminated toggle. Provide single pole, double pole, 3 way, 4 way, or SPDT as required.
   2. Receptacles shall be heavy-duty grade, duplex or single outlet, voltage, and NEMA configuration as required. Provide GFCI receptacles as required. GFCI receptacles shall be self-testing, have test and reset buttons and indicator lights.
   3. Interior Device Cover Plates shall be:
      a. Unfinished areas (storage, mechanical, etc.): Galvanized steel
      b. Finished, Public Spaces: Thermoplastic
      c. Exterior device cover plates shall be galvanized steel WP with hinged cover

I. Grounding and Bonding
   1. Provide grounding and bonding of the service entrance complete with grounding bushing on each conduit entering the service equipment. Connect service entrance gear to ground as listed below.
   2. Provide a service entrance ground by making a connection from the service entrance panel ground bus to the incoming water service and ground rods.
   3. Provide a 2 inch x 1/4 inch x 24 inch copper ground bar in the main electrical room. Ground bar shall be used as the central grounding point for telecommunications and other systems in the building.
   4. Equipment Grounding
      a. Motor circuits shall have a ground conductor pulled with the phase conductors
      b. Remove light fixture finish to assure a good metal to metal ground
   5. Provide a green grounding conductor in all branch circuit and feeder conduits sized per NEC. Provide grounding conductors in all conduit systems, flexible conduit lengths, and surface raceways.

6. Provide grounding of all equipment comprising a permanent bonding together of all metallic, non-current carrying parts of the electrical system like raceways, boxes, panels, cabinets, equipment enclosures, housings, motor frames, ducts, and luminaires.

J. Testing
1. Provide all testing as required by Federal, state, and local code.
2. Provide an infrared scan of all electrical switchboards, panelboards, and transformers after equipment is energized and building has occupant load on components. Provide copies to Owner for their record.

3.4 LIGHTING SCOPE

3.0 LIGHTING SCOPE

A. Interior Lighting: Lighting systems appropriate for the task and design of the space will be selected. Lighting levels will meet or exceed IES recommended lighting levels.

B. Lighting installations will be designed to meet Federal and local energy code requirements. Design will utilize energy efficient LED sources.

C. Provide $18 per SF allowance for the installed interior lighting cost, including luminaire material and installation costs; not including lighting branch circuiting and controls material and installation costs.

D. Indoor Lighting Specifics
1. Interior spaces are described below, with maintained illumination levels and luminaire types. The project has exposed wood structure. Lighting installation will require extensive coordination to organize exposed conduits. Luminaire layout and mounting details will be developed to minimize exposed conduits. All LED light sources will be 3000K color temperature and 90CRI. All LED luminaires for public spaces and work spaces shall be capable of dimming to 1%.
   a. Vestibule and Entry Porch (101): The small surface mounted downlights will be provided at the entry porch. Inground linear luminaires will be provided to highlight the exterior accent wall and the ceiling next to the vestibule. The inground linear luminaires will be used in the vestibule to highlight the ceiling plane. The targeted light level is 10 foot-candles at the floor.
   b. Lobby (102): Lighting will create a welcome image, enhance the architectural expression, and be fully integrated into architectural details. The cove lighting will be provided where AST-1 ceiling occurs. The accent walls next to AST-1 ceiling and near the elevator will be evenly illuminated by wall washers. Additional downlights will be provided for general illumination. The lobby space next to exhibits will utilize the suspended track lighting system for flexibility to support exhibits and various events. Track fixtures with various optic beams will be provided. The targeted light level is 15-30 foot-candles at the floor.
   c. Exhibits (103): Suspended track lighting system will be provided for flexibility to support exhibits and various events. Track fixtures with various optic beams will be provided. The lighting system will be designed to integrate with the digital exhibits. All illuminated surfaces for exbibits and events will accentuate the volume of the space and create an inside-out glow for the nighttime image. The targeted light level is 15-30 foot-candles at the floor.
   d. Hall (104): Linear LED downlights will be provided in architectural ceiling slots for general illumination. The targeted light level is 15 foot-candles at the floor.

e. Retail and Info/Ticketing (105/106): Suspended track lighting system will be provided for flexibility. Track fixtures with various optic beams will be provided to highlight merchandize. Additional accent lighting will be integrated into the millwork details. The targeted light level is 30-50 foot-candles at the floor and merchandize.
f. Stair 1 (107): Suspended pendant lights will be provided to evenly illuminate the stair surfaces to create an inside-out glow for the nighttime image. The targeted light level is 10 foot-candles at the treads.
g. Stair 2 (109): Wall mounted luminaires will be provided for general illumination. The targeted light level is 10 foot-candles at the treads.
h. Trash/Storage/Receiving (110): Industrial luminaires will be provided for general illumination. The targeted light level is 30 foot-candles at the floor.
i. Catering (110): Recessed downlights will be provided for ambient and task lighting. The targeted light level is 50 foot-candles at the work plane.
j. Upper Lobby (200): Wall washers will be provided to evenly illuminate the walls. The targeted light level is 10 foot-candles at the floor.
k. Classroom (201): Linear direct and indirect lighting will be provided to uplight the ceiling and produce ambient and task lighting. The targeted light level is 40 foot-candles at the work plane.
l. Changing Exhibits (202): Suspended tracks will be provided for flexibility. Track fixtures with various optic beams will be provided for exhibits.
m. Administration, Development and Director Office (203, 204, 205): Linear direct and indirect lighting will be provided to uplight the ceiling and produce ambient and task lighting. The targeted light level is 40 foot-candles at the work plane.
n. Phone Room (206): A recessed downlight will be provided for ambient and task lighting. The targeted light level is 30 foot-candles at the work plane.
o. Restroom (207): Recessed downlights will be provided in the room. Provide decorative dimmable luminaires at the mirror. The targeted light level is 10 foot-candles at the floor.
p. Lower Lobby and Hall (001, 002): Recessed downlights will be provided for general illumination. The targeted light level is 10 foot-candles at the floor.
q. Archive/Research Room (003): The cove lighting will be provided where AST-1 ceiling occurs. Linear direct lighting will be provided for general illumination. Lighting system shall be UV free for art preservation. The targeted light level is 10 foot-candles at the floor in circulation areas and 75 foot-candles at work plane for examination of objects.
r. Achieve Storage (004): Linear direct lighting will be provided for general illumination. Lighting system shall be UV free for art preservation. The targeted light level is 20 foot-candles at the work plane.
s. Storage (005): Industrial luminaires will be provided for general illumination. The targeted light level is 15 foot-candles on the work plane
t. Mechanical/Electrical/Custodial (006): Industrial luminaires will be provided for general illumination. The targeted light level is 20-30 foot-candles on the work plane.
u. Elevator (008): Elevator pit light will be provided. The targeted light level is 20-30 foot-candles on the work plane.
v. Restroom Lobby (010): Recessed downlights will be provided in the room. The targeted light level is 10 foot-candles at the floor
w. Family Restroom (011): Recessed downlights will be provided in the room. Provide decorative dimmable luminaires at the mirror. A shower light will be provided in the shower. The targeted light level is 10 foot-candles at the floor.
x. Gender Neutral Bathrooms (012): Recessed downlights will be provided in the room and in each stall. Provide decorative dimmable luminaires at the mirror. The targeted light level is 10 foot-candles at the floor.

y. Telecom (013): Industrial luminaires will be provided for general illumination. The targeted light level is 30-50 foot-candles on the work plane.

2. LED exit signs will be used throughout, brushed-aluminum die-cast housings throughout office and 'back of house' areas, and edge-lit exit signs throughout public areas; an internal battery is required.

E. Exterior Lighting Specifics
1. Building/Accent Lighting: Exterior linear LED accent lights will be provided to illuminate first floor art wall on the west. Exterior wall washers will be utilized to provide even illumination to the north wall next to Karns Cabin.
2. Landscape Lighting: Landscape lighting will be incorporated in benches and trees
3. Pedestrian Circulation Areas Lighting: Canopy mounted exterior downlights will be provided for general illumination in the north entrance area. Bollard lighting will be provided to light pedestrian circulation areas.
4. Roof Terrace (210): Strand lights will be incorporated into the trellis.
5. All exterior lighting will be LED with 3000K color temperature unless noted otherwise.
6. All exterior luminaires shall be capable of dimming to 5%.
7. Provide $50,000 allowance for the exterior luminaire material costs, not including luminaire installation, branch circuiting and controls costs.

F. Emergency egress lighting will be supplied by central UL924 emergency lighting inverter.
1. Exterior: Building-mounted exterior lighting at entrances/exits from the building will be circuited and controlled to serve as egress lights.

G. Lighting Controls
1. Individual offices, open offices, classroom rooms, archive research rooms, toilet rooms, storage rooms, and other enclosed rooms less than 1000 SF will be provided with occupancy sensors or vacancy sensors to automatically control lighting. See list below for occupancy sensor application.
   a. Individual/Open Offices, Classroom Rooms: Ceiling-mounted dual technology.
   b. Multi-occupant Toilet Rooms: Ceiling-mounted ultrasonic.
   c. Large Storage Rooms: Ceiling-mounted infrared.
   d. Janitor's Closets, Small Storage Rooms, Single-occupant Toilet Rooms: Wallbox infrared.
2. Lobbies, exhibits, retail, public circulation and other large or unenclosed public spaces will be controlled by a microprocessor-based lighting control panel system consisting of line-voltage dimming modules. The dimming modules will be controlled through the microprocessor based on remote low-voltage switch stations or touch screens and astronomic timeclock input. The control system shall provide scene control functions to allow lighting presets.
3. Local dimming switches will be provided in work and office areas to allow occupant selection of lighting level.
4. Preset dimming controls will be provided for public spaces to set scenes for various events.
5. Automatic daylight switching or dimming controls will be provided in all daylit zones.
6. Exterior lighting will be controlled by exterior photocell and astronomic timeclock input through the lighting control relay panel system.

H. Luminaires
1. Luminaires will be provided complete with lamps, drivers, and all necessary accessories and mounting hardware. Luminaires will be compatible with ceiling or wall systems.
   a. Lensed Troffers: Flush aluminum doors, 0.156-inch min A19 prismatic acrylic lens.

   b. Downlights: Semi-specular clear Alzak reflector with low iridescent finish, self-trimming or trimless.
   c. LED Luminaires: 3000K, 90 minimum CRI, L70 service life of 50,000 hours minimum, 5-year warranty.
2. LED Drivers
   a. Minimum efficiency of 85%.
   b. 20% THD or less.
   c. Dimmable in spaces where dimming controls are indicated in Lighting Scope section.

I. Lighting Control Panels: Microprocessor-based control system with electrically-held relays for control of lighting loads. Multiple panels shall be networked together with signal cabling. Low-voltage momentary switches or touch screens located throughout building as necessary for control intent.

J. Occupancy and Vacancy Sensors:
   1. Wallbox Passive Infrared: Watt Stopper WS series or equal.
   2. Ceiling-mounted Passive Infrared: Watt Stopper CX / CI series or equal.
   3. Ceiling-mounted Ultrasonic: Watt Stopper W-2000 series or equal.
   4. Ceiling-mounted Dual-technology: Watt Stopper DT-200 series or equal.

K. Dimmers: Low voltage connection to driver for 0-10V control. Fluid slide movement allows fine adjustment of light level over the entire dimming range. Integral push on/off preset switch permits switching the lighting without disturbing the light level setting. Device equal to Acuity ISD BC.

3.1 TELECOMMUNICATIONS

A. Voice/Data Systems: The voice/data systems will be furnished and installed by the contractor. The contractor will provide empty boxes, conduit and sleeves to facilitate the voice/data cabling. In addition, the contractor shall provide all cabling, outlets, faceplates, patch panels, terminal blocks, network equipment racks, terminations, and testing. A typical voice/data outlet will have a two-gang box with a single gang faceplate and a 1-inch empty conduit routed to an accessible ceiling location.

B. Two four-inch conduits with three 1-¼-inch empty innerducts will be stubbed out from the main Telecom room to the property line for incoming service lines.

C. Locations of Telecom Rooms and Server Room:
   1. The Telecommunications Service Entrance / Server Room shall be a room approximately 8’ x 12’ located in the lower level. This room should accommodate three equipment racks, one for service equipment, one for telecommunication distribution equipment, and one for audio visual equipment. This rooms will include telecommunication, AV, and security equipment to support the lower level and first level of the building. The room shall not be located directly below or adjacent to areas where water service is provided.
   2. A 24”W x 36”H x24”D hinged wall mounted cabinet shall be located on the second level in the administration office to support telecommunications equipment serving the second level.

D. The Telecom room walls will be lined with ¾-inch thick, 6’ high AC grade fire-rated plywood along all four walls of the room.

E. Horizontal Cabling
   1. Each voice/data outlet will be connected via a minimum of two plenum rated Category 6 horizontal cables that are terminated on rack mounted patch panels in the nearest telecom room.

2. The typical voice/data outlet density will be one voice/data outlet for each 100 SF of finished floor space.

F. Outlet Quantities and Locations

1. Private Offices – Two outlets
2. Cubicles – One outlet
3. Phone room – One outlet
4. Archive Reading room – Four outlets
5. Archive Storage room – Two outlets
6. Exhibit room – Match electrical floor box quantity
7. Wireless LAN Access Points – One outlet mounted on the ceiling for each 1000 SF of floor space
8. IP Security Cameras – One outlet
9. Classroom – Match electrical floor box quantity; four outlets minimum
10. Lobby Areas – One outlet
11. Security Management – Four outlets
12. Retail – Four outlets
13. Catering Area – One outlet
14. HVAC Controls and Electrical Equipment – Total of 20 outlets

Telecommunications Grounding

15. Telecommunications Grounding Busbar
    a. Each Telecommunication room shall contain a telecommunications grounding busbar for the purpose of providing a central location for grounding all telecommunications equipment in the room per TIA-607 standards.
    b. The telecommunications grounding busbar shall consist of a pre-drilled copper busbar with TIA-607 standard sizing and spacing. It shall have minimum dimensions of 1/4 inch thick, 2 inches wide, and the length shall be a minimum of 12 inches. The busbar shall be insulated from its support by a minimum of a 2 inch separation.
    c. Building structural steel (beams and/or columns) within 6 feet of the grounding busbar shall be bonded to the grounding busbar with a minimum of a 6 AWG copper conductor.

3.2 SYSTEMS SCOPE

A. TV Distribution System

1. Cable TV (CATV) System: Video recorders, video signal processors, and other electronics are not included. Provide video cabling, pathways (conduit and cable tray), outlets, faceplates, amplifiers, splitters, backboards, cable terminations and cable testing are also included as part of this project.
2. A wired television distribution system connected to an antenna system or cable TV utility will be provided. Cabling will consist of RG6 horizontal cabling to TV endpoints. Splitters and line amplifiers shall support 750 MHz minimum video bandwidth.
3. Cable or satellite television service will be provided by the Owner.

B. Access Control System

1. Security Systems: Cameras, card readers, control devices, recording devices, monitors, and other electronic devices are not included. The Owner will provide this equipment. Security system pathways (conduit and cable tray), backboxes, and backboards are included as part of this project.
2. The head end equipment will be located in the main telecom room.
3. Typical Card Reader locations shall include:

   a. Building entry doors
   b. Administration suite entry
   c. Archive area entry doors
   d. Electric room doors
   e. Stair 2 doors
   f. Doors to roof terrace
   g. Telecom room door
4. Door position of all exterior doors as well as all electronically locked doors will be monitored by the Owner-provided access control system.
5. Duress buttons will be located at the Retail/Lobby reception desk and Administration reception desk. Duress buttons will be monitored by the Owner-provided access control system.

C. Video Surveillance System
1. Video Surveillance System: Cameras, recording devices, monitors, and other electronic devices are not included. The Owner will provide this equipment. Video Surveillance System conduit and cable tray pathways, backboxes, and backboards are included as part of this project.
2. The Video Surveillance System head end equipment will be located in the main telecom room.
3. Monitoring of the Video Surveillance System shall be available at viewing stations:
   a. Retail/Lobby Reception Desk
   b. Administration Reception Desk
   c. Any network connected PC shall be capable of accessing live and archived surveillance video via HTTP interface, given that the user's credentials are authenticated by the system
4. Typical camera locations shall include:
   a. Site cameras
   b. Cameras for viewing exterior doors
   c. Roof terrace
   d. Public corridors
   e. Retail
   f. Receiving area
   g. Archive areas
   h. Classroom
   i. Open office area
   j. Exhibit spaces
   k. Elevator landings
   l. Elevator cab
   m. Stair landings

D. Intercom System
1. Intercom system shall be a digital system. Communications with intercom master stations and substations shall be IP-based. Cabling shall be category 6a or fiber where distances exceed 100m. Intercom substations shall be powered over Power over Ethernet (PoE, IEEE 802.3af).
2. Intercom master stations shall be located at the reception desk for convenience use and another adjacent to the main Fire Alarm Control Panel for use by the fire department.
3. Intercom substations shall be located at:
   a. Main entrance
   b. Second level elevator landing

E. Audio/Video Systems: The audio/video systems will be furnished and installed by the Owner. The contractor will provide empty boxes, conduit and sleeves to facilitate the audio/video cabling. A typical audio/video outlet will have a two-gang box with a single gang faceplate and a 1-inch empty conduit routed to an accessible ceiling location.
   1. Assume Audio/Video systems will be located in the exhibit hall (coordinate with exhibit designer), lobbies, archive reading room, classroom, and roof terrace. Coordinate exact requirements with the Audio/Video system designer and supplier.

F. Fire Alarm System: An addressable fire alarm system will be provided throughout the building. System will include manual stations, smoke detectors, duct smoke detectors, heat detectors, connections to sprinkler system and HVAC equipment, audio/visual devices and visual devices. System will be designed to meet NFPA and the State of Wyoming Building Code and Fire Code. The following items will be included:
   1. Pull Stations: Manual pull stations at each exit from each floor and every 200 feet of travel. Pull stations shall be double action STI lexan guard with alarm, keyed reset. Mounting heights shall be no lower than 36 inch AFF and no higher than 48 inches AFF and shall be within ADA accessible reach limits at all locations and within 5 feet of exit doors.
   2. Initiation: Heat and Smoke detection: Provide complete coverage heat and smoke detection in accordance with NFPA 72 including all local and state amendments and in the following locations:
      a. Elevator lobby
      b. Elevator equipment room
      c. On either side of fire rated doors held open with magnetic door holders connected to the Fire Alarm System.
      d. Mechanical rooms
      e. Electrical rooms
      f. Telecom equipment rooms
      g. Archive storage (dual interlocked detectors for pre-action system releasing)
   3. Notification Appliances: Audio/visual and visual notification appliances in quantities and locations required to notify occupants in accordance with Public Mode code requirements. Strobes shall be minimum 15 cd rating. Audible devices shall be horn based.
   4. System Spare Capacity (minimum):
      a. Provide 25% spare capacity on each individual SLC circuit.
      b. Provide 25% spare capacity on each individual NAC circuit.
      c. Provide 25% spare capacity on each NAC panel.

   Door Holders: Provide magnetic door holders for release of designated doors upon alarm signal. Coordinate with architectural for doors to be held open. Provide all required door hardware interfaces for unlocking doors and releasing held open doors.
   5. Elevators: Smoke and heat detectors needed to perform elevator recall function.
   6. Fire Protection: Connection to tamper and flow switches in quantities and locations determined by the fire protection contractor.
      a. Pre-Action: Coordinate with div 21 contractor to monitor all available points on the releasing panel. Pre-action panel to be located Archive Storage.
   7. HVAC Interface:
      a. Interface to accomplish shutdown control of HVAC units based on duct detector input, monitoring of power used for life-safety functions (shunt trip power, etc.)
      d. Interface to accomplish shutdown control fan powered VAV boxes located in a common plenum space with an aggregate total of over 2000CFM.

   b. Interface to accomplish control of HVAC combination fire/smoke dampers. Dampers shall actuate upon detection of smoke by associate duct detector.
   c. Interface to accomplish shutdown control of HVAC units based on duct detector input in return and supply of HVAC system of 15,000CFM or more.
8. Remote Annunciation: An LCD remote annunciator will be provided at a location acceptable to the fire department for alarm annunciation and feature-limited control of the system.
9. Communication & Monitoring: A DACT will be provided to transmit fire alarms to the Owner's central monitoring location.
10. Color Coding: Fire alarm system conduit and fire alarm j-box covers shall be painted red.

3.3 CYBERSECURITY RISK MITIGATION STRATEGY

A. Refer to the manufacturer hardening guides and apply the most stringent manufacturer recommendations.

B. Coordinate with Owner's IT personnel to restrict external network access to Internet connected system through virtual private network (VPN) connections only.

C. Disable any protocols for remote connectivity, unless constantly required for day-to-day operations. Secure VPN connections shall be the only acceptable form of remote connectivity unless otherwise approved by the Owner and Engineer.

D. Protect data in transit and at rest. All external transport data shall be routed through encrypted channels using Transport Layer Security (TLS 1.2).

E. Coordinate with Owner's IT personnel to implement a Web server-based human machine interface (HMI) that relies on IT technologies to secure access and restrict ports that can be opened on the firewall. Coordinate with Owner's IT Department to restrict access to known IP addresses only.

F. Where building system networks are not physically separate from IT business networks, coordinate with Owner's IT personnel to segregate networked and Internet connected systems from the IT business network using virtual local area network (VLAN) IT technologies to restrict internal attacks/breakdowns.

G. Set unique, strong passwords for administrator and user accounts. Default passwords must be changed before systems and devices are connected to the Owner's network.

H. Collect only the data that is necessary for analytics, optimization, and trending.

I. Adhere to the following compliance requirements:
   1. ISO/IEC 27001
   2. IEC 62443: Industrial Network and System Security
   3. SOC-2 (for hosted services)

J. Abide by best practices outlined in the following references:
   1. NIST Special Publication 800-14 – Generally Accepted Principles and Practices for Securing Information Technology Systems.
   2. NIST Special Publication 800-54 Revisions 4 – Security and Privacy Controls for Federal Information Systems and Organizations.
   3. Defense Security Service Office of the Designated Approving Authority – Master System Security Plan (MSSP) Template for Peer-to-Peer Networks (June 2011, Version 3.0).

— End of Part —

June 18, 2021

RE: Jackson Hole Historical Society & Museum, TOJ Construction Management Plan

General

The Jackson Hole Historical Society is constructing a 13,300 sf museum that will also incorporate (2) historic cabins from the area that will be relocated outside the main structure. The building will have a partial basement primarily for storage, and a main level and 2nd level consisting of exhibit space, office space, and utility space.

Schedule

Construction of the new building is anticipated to take 18 months with a ground-breaking in April of 2022. Foundations and superstructure are anticipated to be complete by Winter of 2022. Exterior skin will begin in the fall of 2022 and complete in the second quarter of 2023. Interior finishes begin in the fourth quarter of 2022 and continue until completion in the Fall of 2023.

Public Impact

The owner, Jackson Hole Historical Society and Museum and their contractor, ACM Wyoming LLC have identified the following businesses that may be impacted by the construction and will be informed via email of construction schedule and possible impacts (utility outages, lane closures, etc.)

- Business A, Contact, Email
- Business B, Contact, Email
- Business C, Contact, Email

The Jackson Hole Historical Society and their contractor ACM Wyoming are aware that the right-of-way is a shared use area, including community special events and Town capital improvement projects and will work in good faith to coordinate with the town to accommodate these events.

Construction Parking

A parking plan identifying acceptable parking areas along with alternate methods of transportation (carpooling, bus, non-motorized vehicles) will be incorporated into the project.

Site Logistics

See attached site logistics plan.

Stormwater Management

A final stormwater management plan along with the appropriate BMP's will be developed and submitted to the TOJ following the Design Development drawing completion.

Site Plan

See attached site logistics plan.

Crane

Upon selection of the appropriate sized crane the project will submit a crane radius and hoisting plan to the TOJ.

Protection Of Pedestrians

Per the site logistics plan, portions of sidewalk on Broadway and Willow adjacent to the construction site will be closed during improvements. Barriers (fence or concrete) will be used in the street and no covered pedestrian walkways are anticipated at this time.

Stabilized Construction Access

See site logistics and SWMP plan.

Traffic Control

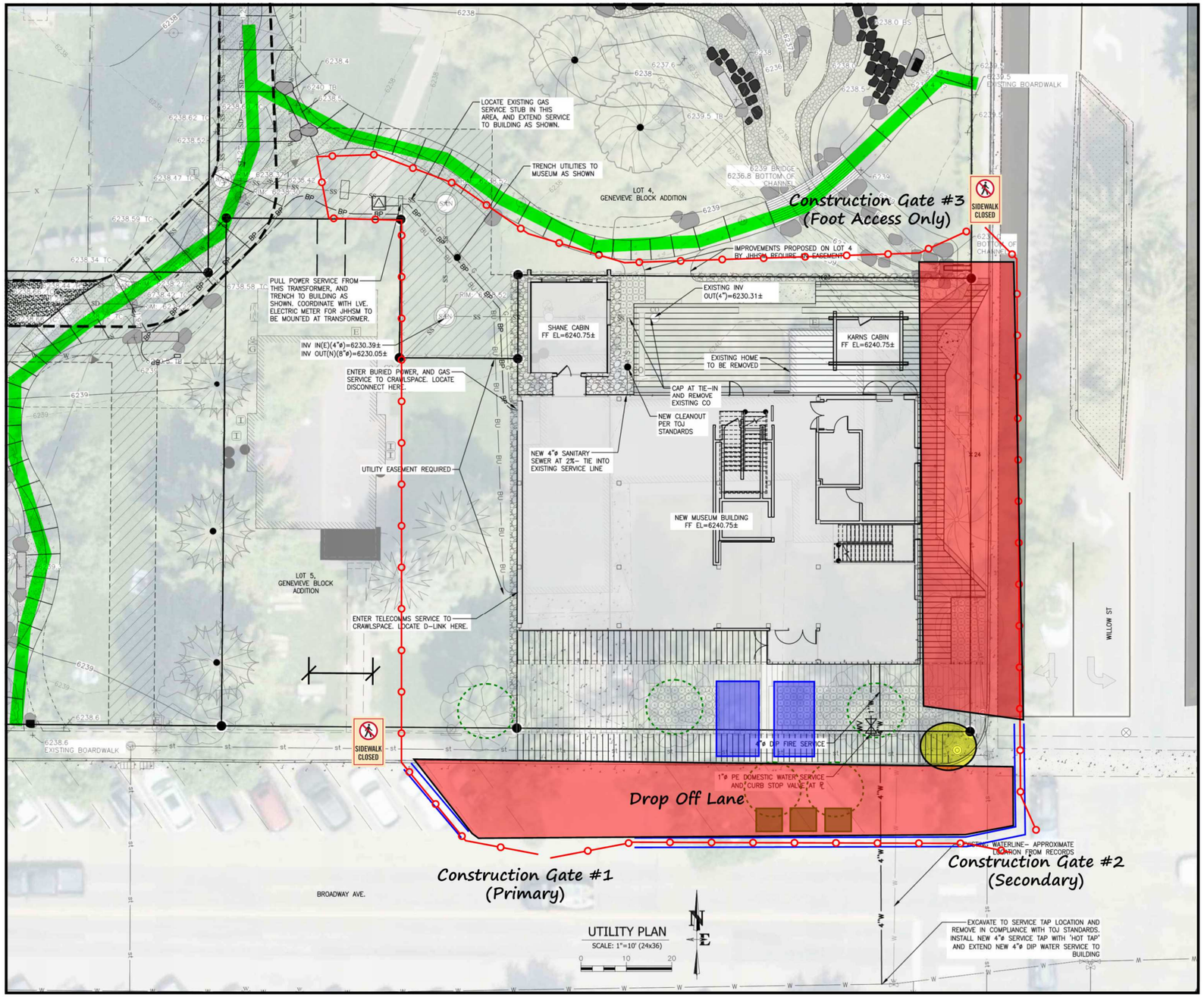
Public Right of Way permit application will include a traffic control plan for receiving/sending material on both Broadway and Willow.

Shoring

If shoring encroaching on the Right Of Way will be necessary in the construction of the museum an Encroachment Agreement will be applied for.

Staging

We are currently planning to utilize a portion of the King St. parking lot for material staging and short term storage. The area being used will be surrounded by a 6' temporary fence and screened to reduce visibility.



Property Line Encroachment Area

Construction Fence (Location to be coordinated with neighbors)

Jersey Barrier with Construction Fence

Tree Protection

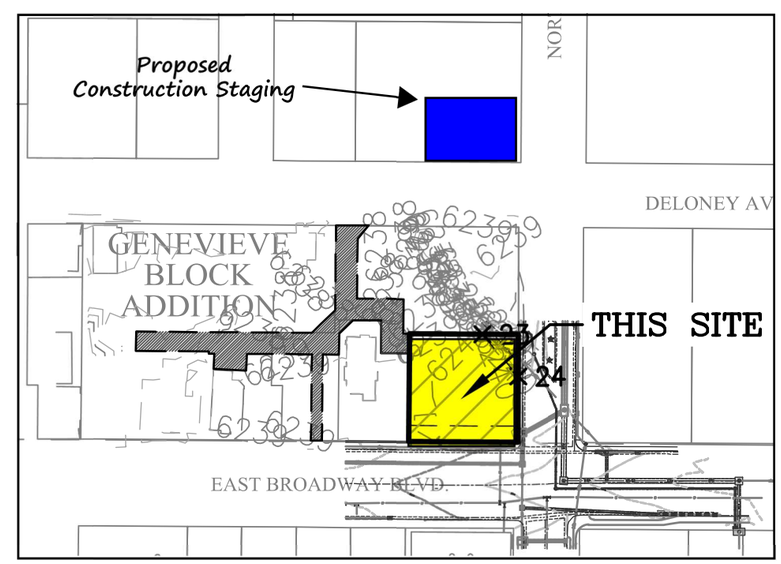
Storage Containers

Public Access

Bathrooms

Loading/Unloading Zone as Needed

Fire Hydrant Access To Be Determined by JHFD



DATE	TITLE	REV
031221	JHHS SITE LOGISTICS	2
031521	JHHS SITE LOGISTICS	3
060221	JHHS SITE LOGISTICS	4
061021	JHHS SITE LOGISTICS	5
061621	JHHS SITE LOGISTICS	6
071921	JHHS SITE LOGISTICS	7

Construction Site Logistics

175 E. Broadway Jackson, WY 83001

JACKSON HOLE HISTORICAL SOCIETY & MUSEUM

ACM