CONTACT: BILL MACKIN
406.994.6377
MONTANA STATE UNIVERSITY
DESIGN & CONSTRUCTION
OWNER
BOZEMAN, MT  59715

CONFIRM STAGING AREA
LOCATION
BOZEMAN, MT
440 N. GRAND AVENUE

JOHNSON STRUCTURAL ENGINEERING
24 S. WILSON AVE., SUITE A1
BOZEMAN, MT  59715
406.582.8288
CONTACT: JOHN TETRAULT

THE SPECIFICATIONS MAY SAY TO PAINT ALL EXPOSED STRUCTURAL STEEL, ON THE DRAWINGS OR INDICATED ONLY IN THE SPECIFICATIONS. FOR EXAMPLE:

7. REFER TO STRUCTURAL, MECHANICAL & ELECTRICAL DRAWINGS FOR REQUIRED IN PROVIDING A COMPLETED PROJECT. AREAS OF WORK REQUIRING DISCREPANCIES MUST BE REPORTED TO THE ARCHITECT PRIOR TO PROCEEDING.

8. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NEW MATERIALS & LABOR TO COMPLETE THE WORK.

9. ALL WRITING OR LETTERING MUST BE APPLICATIONAL & PERFORMANCE CONFORM TO STATE, LOCAL, COUNTY & CITY CODES.

10. THE CONTRACTOR MAY NOT SHOW MINOR DETAILS OF PROPOSED INSTALLATION. THE INCLUSION OF MECHANICAL, ELECTRICAL & ARCHITECTURAL DETAILS IS THE RESPONSIBILITY OF THE GENERAL CONTRACTORS.

11. THERE ARE VARIOUS VIEWS PROVIDED IN THE DRAWINGS, DO NOT SCALE THE DRAWINGS.

12. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NEW MATERIALS & LABOR TO COMPLETE THE WORK.

13. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NEW MATERIALS & LABOR TO COMPLETE THE WORK.

14. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NEW MATERIALS & LABOR TO COMPLETE THE WORK.
PRIOR TO BIDDING, THE CONTRACTOR SHALL VISIT THE FACILITY & THOROUGHLY FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS.

SCHEDULE DEMOLITION WORK WITH THE OWNER TO MINIMIZE DISRUPTION OF SERVICES & PROVIDE FOR THE UNINTERRUPTED FUNCTIONING OF THE FACILITY.

THE CONTRACTOR SHALL PROVIDE ALL DEMOLITION INCIDENTAL TO OR REQUIRED FOR NEW & RENOVATION CONSTRUCTION WHETHER OR NOT IT IS SPECIFICALLY NOTED, INCLUDING, BUT NOT LIMITED TO, ALL OTHER WORK THAT MIGHT REASONABLY BE REQUIRED TO BE REMOVED IN PREPARATION FOR SPECIFIED FINISHES. DEMOLITION SHALL BE PERFORMED IN A MANNER THAT WILL NOT DAMAGE ANY SERVICES INDICATED TO REMAIN. SERVICES SHALL BE PATCHED IF NECESSARY TO PROVIDE A SUITABLE SUB-STRATA FOR NEW FINISHES.

REMOVE ALL ITEMS SHOWN AS "DASHED".

THE CONTRACTOR SHALL CONSTRUCT DUST BARRIER PARTITIONS AS REQUIRED TO SEPARATE CONSTRUCTION AREAS FROM OCCUPIED AREAS. EXIT PATHS SHALL BE MAINTAINED CLEAR OF EQUIPMENT, MATERIAL & DEBRIS—SEE PHASING PLANS.

DEBRIS SHALL BE PROMPTLY REMOVED FROM THE BUILDING & THE SITE & DISPOSED OF IN A LEGAL MANNER. SURFACES IN THE CONSTRUCTION AREA SHALL BE MAINTAINED IN A BROOM CLEAN CONDITION AT THE END OF EACH WORK DAY.

PORTIONS OF OCCUPIED AREAS WILL REMAIN IN OPERATION AT ALL TIMES. SECURITY MUST BE MAINTAINED AT ALL TIMES. REVIEW SECURITY PROCEDURES WITH THE OWNER PRIOR TO THE START OF WORK.

THE CONTRACTOR SHALL MAINTAIN & ADHERE TO ALL CURRENT LIFE-SAFETY & INTERIM LIFE-SAFETY RULES & REGULATIONS THROUGHOUT THE CONSTRUCTION OF THIS PROJECT.

THE CONTRACTOR SHALL PATCH & OR REPAIR ANY & ALL SURFACES DAMAGED OR REMOVED DURING DEMOLITION TO MATCH EXISTING SURFACES UNLESS SURFACES ARE TO RECEIVE NEW FINISHES OR UNLESS NOTED OTHERWISE. REFER TO & COORDINATE WITH STRUCTURAL.

ALL BUILDING SERVICES, INCLUDING MECHANICAL, PLUMBING & ELECTRICAL SHALL NOT BE DISRUPTED FOR ANY LENGTH OF TIME NO MATTER HOW MINIMAL, UNLESS COORDINATED & APPROVED BY THE GENERAL CONTRACTOR & THE OWNER.

CONTRACTOR SHALL INSPECT EXISTING CONDITIONS PRIOR TO WORK. PRIOR TO SUBSTANTIAL COMPLETION THE CONTRACTOR WILL REPAIR OR CLEAN DAMAGED OR DIRTY SURFACES ADJACENT TO PROJECT WORK AREAS (CAUSED BY CONSTRUCTION ACTIVITIES) TO MATCH ORIGINAL CONDITION.

A. REMOVE PORTION OF WALL AND COUNTER AS REQ'D. FOR WIDER OPENING.
B. REMOVE PORTION OF EXIST. METAL STUD FRAMED WALL INDICATED BY DASHED LINES AS REQUIRED FOR NEW CONSTRUCTION RE: PER FLOOR PLAN.
C. RELOCATED EXIST. T-STAT AND LIGHT SWITCH.
D. NOTE: SEE MECH AND ELECT DWGS FOR MORE DEMO AND SALVAGE / RE-USE ITEMS.
E. MODIFY EXIST. FIRE SPRINKLER SYSTEM AS REQ'D TO ACCOMMODATE NEW FLOOR PLAN PER APPLICABLE CODES.
F. RAISE EXISTING DUCT PER MECHANICAL DWGS AS REQUIRED FOR NEW ACoustical CEILING SYSTEM AT 7'-6" A.F.F.
G. MODIFY EXIST. DUCT PER MECHANICAL DWGS. PROVIDE ENCLOSURE PER ARCH. PLANS.
### Door Schedule

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### Room Schedule

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### General Notes:

1. Coordinate door swing with WM Project Manager.
2. All new trim, doors, casework, counter tops, etc. to match adjacent existing finishes.

### Door Types

- FF
- 2'-0" F.V.
- 2'-6" F.V.
- 3'-0" F.V.
- 4'-2" M.
- 4'-6" M.
- 4'-10" M.

### Door Specifications

- Full solid core
- P-Lam deck top
- Edge banding type
- Plywood cubicle walls
- 3/4" Maple veneer

### Door Schedule

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

### Room Finish Key:

- Ceiling: T & G Wood Ceiling
- Walls: Prefinished or Factory Finished
- Base: Concrete - Sealed
- Countertops: Sheet Vinyl
- Sheet Title: Sheet Vinyl
- Date: 10.17.18

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### Diagrams

- Door Types
- Door Schedules
- General Notes
- Room Schedule

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### Details

- Door Types
- Door Schedules
- General Notes
- Room Schedule

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### Specifications

- Sheet Title: 10.17.18
- Date: 10.17.18
- RENNE LIB. TESTING CENTER EXPANSION
- MONTANA STATE UNIVERSITY
RAISE DUCTWORK TO APPROXIMATELY 94" AFF. CURRENTLY AT APPROXIMATELY 82".

RELOCATE TEMPERATURE SENSOR. SEE M2.1 FOR NEW LOCATION.

REMOVE DAIKIN AC UNIT. REMOVE ASSOCIATED CONDENSATE DRAIN BACK TO MAIN BRANCH. CAP AT BRANCH.

REMOVE RG/RL LINES AS REQUIRED FOR CONNECTION TO NEW FANCOIL.

EXISTING EXHAUST GRILLE TO BE RELOCATED. SEE SHEET M2.1 FOR NEW LOCATION.

REMOVE SUPPLY AIR DIFFUSER AND DUCTWORK AS SHOWN.

GENERAL NOTES:
1. MINIMUM DRAIN PIPE SIZE = 3/4"
2. REFRIGERANT PIPE SIZES TO BE DETERMINED BY MULTI-SPLIT SYSTEM MANUFACTURER.

KEYED NOTES:
RELOCATED FREEZE PROTECTION TEMPERATURE SENSOR. BOTTOM OF DUCT MINIMUM 94" AFF
CONNECT NEW DUCT TO EXISTING LOUVER. MAINTAIN CLEARANCE FOR EXHAUST FAN MAINTENANCE.
EXPAND DUCT TO 12X12 AT HEATING COIL. OFFSET DUCT BELOW EXISTING PIPE WITH SMOOTH 30DEG RADIUS ELBOWS.
PROVIDE MOTORIZED DAMPERS - ON INLET AND EXHAUST OF EACH HRV. CONTRACTOR MAY REUSE EXISTING ACTUATORS FOR HRV-1.
EXTEND 14X14 DUCT THROUGH EXISTING EXTERIOR WALL OPENING. PROVIDE WALL HOOD WITH BACKDRAFT DAMPER.

GENERAL NOTES:
1. BALANCE ALL DEVICES TO AIRFLOW INDICATED.

KEYED NOTES:
1. PROVIDE MOTORIZED DAMPERS - ON INLET AND EXHAUST OF EACH HRV.
2. CONTRACTOR MAY REUSE EXISTING ACTUATORS FOR HRV-1.
3. EXTEND 14X14 DUCT THROUGH EXISTING EXTERIOR WALL OPENING. PROVIDE WALL HOOD WITH BACKDRAFT DAMPER.
4. PROVIDE WALL HOOD WITH BACKDRAFT DAMPER.
REMOVE AND REINSTALL RECEPTACLES AS REQUIRED FOR WALL WORK.

CONTRACTOR MAY REUSE EXISTING BOXES AND PLATES.

AC UNIT TO BE REMOVED.

REMOVE POWER AS REQUIRED FOR CONNECTION TO NEW AC UNIT.

KEYED NOTES:

- REMOVE EXISTING HORN/STROBE AS REQUIRED FOR NEW WALL.
- SPECIAL ACCOMMODATIONS
- EXIT, HORN/STROBE
- E1-1 POWER - DEMOLITION
- PANEL 'B2'
- PANEL 'B1'
- DISTRIBUTION PANEL
- REMAINING RECEPTACLES
- EXISTING BRANCH DIVIDER BOX
- EXISTING DATA CABLE TRAY
- CCTV CAMERA (TYPICAL)
- (E) AC-1
- (E) AC-2
- (E) AC-3
- (E) AC-4
- (E) AC-5
- (E) AC-6
- (E) AC-7
- P-VUE TESTING ROOM
- STORAGE
- ADA TESTING ROOM
- DIRECTOR'S OFFICE
- SPECIAL ACCOMMODATIONS
- EXISTING WAITING AREA
- EXISTING PROCTOR OFFICE
- CHECK-IN OFFICE
- J-HOOKS
- DATA CABLE TRAY

POWER - DEMOLITION
REMOVE EXISTING LIGHT. MAINTAIN ELECTRICAL FOR CONNECTION TO NEW FIXTURES.

OFFSET EXISTING CONDUIT & WIRE AS REQUIRED FOR RAISING OF EXISTING DUCTWORK. (APPROX 12"
COORDINATE WITH HVAC CONTRACTOR.

RAISE LIGHT UP TO SURFACE OF CEILING.

OFFSET EXISTING CONDUIT & WIRE AS REQUIRED FOR RAISING OF EXISTING DUCTWORK. (APPROX 12"
COORDINATE WITH HVAC CONTRACTOR.

OFFSET EXISTING CONDUIT & WIRE AS REQUIRED FOR RAISING OF EXISTING DUCTWORK. (APPROX 12"
COORDINATE WITH HVAC CONTRACTOR.

OFFSET EXISTING CONDUIT & WIRE AS REQUIRED FOR RAISING OF EXISTING DUCTWORK. (APPROX 12"
COORDINATE WITH HVAC CONTRACTOR.
NEW FIRE ALARM - HORN/STROBE.

ALTERNATE #2: PROVIDE POWER TO NEW POWERED ADA DOOR.  115V-6.6A (15 AMP BRANCH CIRCUIT PROTECTION.

PROVIDE POWER FOR NEW AC UNIT.  POWER FED FROM BRANCH DIVIDER BOX.

POWER FOR HRV-2 FED FROM EXISTING CIRCUIT FEEDING HRV-1.

KEYED NOTES:

- [ ] FOR FIRE ALARM - Horn/STROBE
- [ ] PROVIDE for POWER to NEW POWERED ADA DOOR.  115V-6.6A (15 AMP BRANCH CIRCUIT PROTECTION
- [ ] PROVIDE POWER for NEW AC UNIT.  POWER FED FROM BRANCH DIVIDER BOX.
- [ ] POWER for HRV-2 FED FROM EXISTING CIRCUIT FEEDING HRV-1.
CONNECT NEW LIGHT FIXTURES TO EXISTING LIGHTING CIRCUIT SERVING SPACE. (TO BE VERIFIED DURING DEMOLITION)

KEYED NOTES:

- ADA TESTING
- ROOM 019F
- STORAGE 019G
- ETS TESTING
- ROOM 019I
- DIRECTOR'S OFFICE 019H
- SPECIAL ACCOMMODATIONS 019E
- EXIST. WAITING AREA 019
- EXIST. P-VUE TESTING ROOM 019A
- EXIST. PROCTOR OFFICE 019B
- CHECK-IN OFFICE 019C
- SPECIAL ACCOMMODATIONS 019D

ELECTRICAL LIGHTING

1/4" = 1'-0"