

DOCUMENT 00 90 00
ADDENDUM

ADDENDUM NO. [1]

Date: July 11, 2018

**RE: WISCONSIN INDIANHEAD TECHNICAL COLLEGE
WITC – BALSAM LAKE REGIONAL CENTER
INTERIOR REMODEL
HSR PROJECT NO. 17011**

FROM: HSR Associates, Inc
100 Milwaukee Street
La Crosse, WI 54603
(608) 784-1830

To: Prospective Bidders

This addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated June 2018. Acknowledge receipt of this Addendum in the space provided on the bid form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of [2] pages, Revised Bid Form, (1) Pre-bid attendance, (2) specification sections and [6] 30 x 42 drawings.

1. Pre-bid attendance attached hereto

CHANGES TO BIDDING REQUIREMENTS AND CONDITIONS OF THE CONTRACT:

2. Section 00 11 16 PREQUALIFIED CONTRACTORS
 - a. General Contractor **Berghammer Builders, Inc.** was inadvertently left off the prequalified GC list. They are approved for bidding should they choose to do so. Contact phone number is (715) 948-2811.
 - i. In deference to this error Berghammer will be required to visit the site prior to bidding, but is excused from the "Mandatory for GC Prebid meeting" held on July 10, 2018.
3. Section 00 41 00 BID FORM
 - a. See revised Bid Form attached hereto.

GENERAL REQUIREMENTS:

4. Section 01 23 00 ALTERNATES
 - a. See the revised section attached hereto with additional Alternate bid items.

CHANGES TO SPECIFICATIONS:

5. Section 08 71 00 DOOR HARDWARE
 - a. Manufacturers have been revised. No substitute items are listed under 2.02. Hardware groups have been revised.

CHANGES TO DRAWINGS

6. Sheet A001R COVER AND CODE SHEET 30 x 42 attached hereto
 - a. Revisions as noted in the attached drawings.
 - i. Edits to the exterior sidewalk and fence revisions
 - ii. Designation of Contractor parking area.
7. Sheet A090R REMOVAL PLAN 30 x 42 attached hereto
 - a. Revisions as noted in the attached drawings.
 - i. Designation of Alternate Bid 2 area.
8. Sheet A100R FLOOR & CEILING PLANS 30 x 42 attached hereto
 - a. Revisions as noted in the attached drawings.
 - i. Detail 1: Designation of Alternate Bid items 2 and 3.
 - ii. Detail 2: Revise countertop height. Add relocated dishwasher and revise casework.
 - iii. Detail 6: Notation of the actual truss direction.
9. Sheet A110 CEILING PLAN
 - a. Door Schedule
 - i. Remarks No.4 shall read: Prep door and frame for future electric strike and card reader.
 - ii. At Door 110A remove the remark "4". This door will not have a card reader.
10. Sheet E001 ELECTRICAL COVER SHEET
 - a. Amend general note #13 with the following "Connect to existing Johnson Controls fire alarm system.
11. Sheet E122R ELECTRICAL ROOF POWER PLAN 30 x 42 attached hereto
 - a. Revisions as noted in the attached drawings.
 - i. Revise electrical layout as shown.
 - ii. Add keyed note 2, 3, 4, and 5.
12. Sheet E701R ELECTRICAL SCHEDULES 30 x 42 attached hereto
 - a. Revisions as noted in the attached drawings.
 - i. Revise riser diagram as shown.
 - ii. Revise keyed note 1. Add keyed note 2, 3, 4, and 5.
13. Sheet MD101 MECHANICAL DEMOLITION PLAN
 - a. Remove existing pneumatic thermostat in existing classroom carefully without affecting the integrity of the pneumatic tubing.
14. Sheet M101 MECHANICAL DUCTWORK PLAN

- a. Relocate existing pneumatic thermostat to North wall of Next Gen Classroom 106 (shown currently on East wall). Install existing pneumatic thermostat without affecting the integrity of the pneumatic tubing.

15. Sheet P101R PLUMBING PLANS 30 x 42 attached hereto

- a. Revisions as noted in the attached drawings.
 - i. Add dishwasher connections to S-1.

PRIOR APPROVALS N/A

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ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

WIK

Bakum Lase

Daniel Blumer

Dean Reed

Mike Schlessner

RANDY LAFAYE

James David

Cory Steen

Art D'Ambrosio

7-10-18 Prebid

HSR

Polk County

Polk County

MAKERS JOHNSON

Interior Demolition

MEP ASSOCIATES

Simon Electric

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SECTION 01 23 00

ALTERNATES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Description of Alternates.

1.02 RELATED REQUIREMENTS

- A. Document 00 21 13 - Instructions to Bidders: Instructions for preparation of pricing for Alternates.

1.03 DESCRIPTION

- A. Conditions of the Contract and pertinent portions of Sections in Division One of this Project Manual, apply to the Work of this Section as fully as though repeated herein.
- B. This Section describes the alternates to the project. Refer to the Product/Execution Articles of the Contract Documents for information pertaining to the work of each alternate.
- C. Each proposal under an alternate shall include all incidental work and all adjustments necessary to accommodate the changes. All work shall meet the requirements of the Contract Documents.
- D. Each alternate proposal shall be submitted as an individual cost for the particular alternate and shall be proposed under the premise that no other alternates have been accepted. Should the work of an alternate called for by the Bid Form not affect the cost of the work, "No Change" shall be stated.
- E. Owner may, at his option, vary the scope of the work by authorizing alternates which will add to the work, deduct from the work or substitute materials, equipment or methods.
- F. Immediately following Award of Contract, awarded Contractor shall prepare and distribute to each party involved, notification of the status of each alternate. Indicate whether alternates have been accepted, rejected, or deferred for consideration at a later date. Include a complete description of negotiated modifications to alternates, if any.

1.04 ACCEPTANCE OF ALTERNATES

- A. Alternates quoted on Bid Forms will be reviewed and accepted or rejected at Owner's option. Accepted Alternates will be identified in the Owner-Contractor Agreement.

1.05 SCHEDULE OF ALTERNATES

- A. Alternate No. 1: Core Fill Concrete Block Walls
 - 1. The following work shall be priced under Alternate No. 1: State the amount to be **added** to the base bid to open cores in existing 13 foot high CMU wall and fill cores with grout from floor to top of wall.
- B. Alternate No. 2: Kitchen Casework
 - 1. The following work shall be priced under Alternate No. 2: State the amount to be **deducted** from the base bid to leave the existing quarry tile floor, casework and plumbing AS-IS. Wall painting, ceiling, lighting, mechanical work, and fire stopping of the existing walls shall remain as required Work.
- C. Alternate No. 3: Folding Wall
 - 1. The following work shall be priced under Alternate No. 3: State the amount to be **deducted** from the base bid to NOT provide a folding wall in the plans. The ceiling would run continuous through the area.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

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DOCUMENT 00 41 00

BID FORM

BIDDER: _____

BID FOR SINGLE PRIME CONTRACT

PROJECT: **WITC – BALSAM LAKE CAMPUS
BALSAM LAKE INTERIOR REMODEL
400 POLK COUNTY PLAZA
BALSAM LAKE, WI 54810
HSR PROJECT NO. 17063-11**

TO: **WISCONSIN INDIANHEAD TECHNICAL COLLEGE
505 PINE RIDGE DR
SHELL LAKE, WI 54871
ATT: KRISTI FOUST**

BASE BID

The undersigned, having examined the site where the Work is to be executed and become familiar with local conditions affecting the cost of the Work and carefully examined the Project Manual, the Project Drawings, all other Bidding Documents and Addenda thereto prepared by the AE, HSR Associates, Inc., hereby agrees to provide all labor, materials, equipment and services necessary for the complete and satisfactory execution of the ENTIRE WORK, in the time frame stipulated in these contract documents, for the Base Bid stipulated sum of:

Dollars (\$_____ .00)

ALTERNATES

The undersigned further agrees to perform the alternative portions of the Work as described in the Project Manual, Section 01 23 00 Alternates, for the following additions to or deductions from the Base Bid sum stipulated above:

Alternate No. 1: Core Fill Concrete Block Walls

Add _____ Dollars (\$_____ .00)

Alternate No. 2: Kitchen Casework

Deduct _____ Dollars (\$_____ .00)

Alternate No. 3: Folding Wall

Deduct _____ Dollars (\$_____ .00)

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BIDDER'S CHOICE SUBSTITUTIONS

The following Bidder's Choice Substitution is proposed for your consideration subject to the requirements set forth in Document 00 22 13 Supplementary Instructions to Bidders, Subparagraph 3.3.4:

Substitution No. S1:

For substituting _____

Type, Brand, Catalog No. _____

Manufacturer _____

Deduct from BASE BID _____ Dollars (\$ _____ .00)

In submitting this Bid, the undersigned agrees to:

1. Hold this Bid open for **60** days.
2. Accept the provisions of Instructions to Bidders regarding disposition of Bid Security.
3. Enter into and execute an Agreement, if awarded on the basis of this Bid, and to furnish Performance and Labor and Material Payment Bonds according to the Supplementary Conditions.
4. Accomplish work according to the Contract Documents.
5. Complete the work by the time stated in Section 01 10 00 Summary of the Work.

Receipt of the following Addenda and inclusion of their provisions in this Bid is hereby acknowledged:

Addendum No. _____ Dated _____

Addendum No. _____ Dated _____

Addendum No. _____ Dated _____

Addendum No. _____ Dated _____

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Attached hereto are the required:

a. () Bid Security

FIRM NAME: _____

(Affix seal if
Corporation)

By: _____

Title: _____

By: _____

Title: _____

Date: _____

Official Address: _____

Telephone: _____

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SECTION 08 71 00
DOOR HARDWARE

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Hardware for wood, aluminum, and hollow metal doors.
- B. Hardware for fire-rated doors.
- C. Lock cylinders for doors that hardware is specified in other sections.
- D. Gaskets.
- E. Where items of hardware are not definitively or correctly specified and are required for the intended service, such omission, error, or other discrepancy should be directed to the Architect prior to the bid date for clarification by addendum. Otherwise, furnish such items in the type and quantity established by this specification for the appropriate service intended.

1.02 RELATED REQUIREMENTS

- A. Section 07 92 00 - Joint Sealants: Sealants for setting exterior door thresholds.
- B. Section 08 11 13 - Hollow Metal Doors and Frames.
- C. Section 08 14 16 - FLUSH WOOD DOORS

1.03 REFERENCE STANDARDS

- A. ADA Standards - Americans with Disabilities Act (ADA) Standards for Accessible Design; 2010.
- B. BHMA (CPD) - Certified Products Directory; 2016.
- C. BHMA A156.1 - American National Standard for Butts and Hinges; 2013.
- D. BHMA A156.2 - American National Standard for Bored and Preassembled Locks & Latches; 2011.
- E. BHMA A156.3 - American National Standard for Exit Devices; 2014.
- F. BHMA A156.4 - American National Standard for Door Controls - Closers; 2013.
- G. BHMA A156.6 - American National Standard for Architectural Door Trim; 2010.
- H. BHMA A156.7 - American National Standard for Template Hinge Dimensions; 2014.
- I. BHMA A156.8 - American National Standard for Door Controls - Overhead Stops and Holders; 2010.
- J. BHMA A156.16 - American National Standard for Auxiliary Hardware; 2013.
- K. BHMA A156.17 - American National Standard for Self Closing Hinges & Pivots; 2014.
- L. BHMA A156.22 - American National Standard for Door Gasketing and Edge Seal Systems, Builders Hardware Manufacturers Association; 2012.
- M. BHMA A156.26 - American National Standard for Continuous Hinges; 2012.
- N. BHMA A156.28 - American National Standard for Recommended Practices for Mechanical Keying Systems; 2013.
- O. BHMA A156.115 - American National Standard for Hardware Preparation in Steel Doors and Steel Frames; 2014.
- P. BHMA A156.115W - Hardware Preparation in Wood Doors with Wood or Steel Frames; 2006.
- Q. DHI (H&S) - Sequence and Format for the Hardware Schedule; 1996.
- R. DHI (KSN) - Keying Systems and Nomenclature; 1989.
- S. DHI (LOCS) - Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames; 2004.
- T. DHI WDHS.3 - Recommended Locations for Architectural Hardware for Flush Wood Doors; 1993; also in WDHS-1/WDHS-5 Series, 1996.
- U. ICC A117.1 - Accessible and Usable Buildings and Facilities; 2009.
- V. ITS (DIR) - Directory of Listed Products; current edition.
- W. NFPA 80 - Standard for Fire Doors and Other Opening Protectives; 2016.
- X. NFPA 252 - Standard Methods of Fire Tests of Door Assemblies; 2012.

- Y. UL (DIR) - Online Certifications Directory; current listings at database.ul.com.
- Z. UL 10C - Standard for Positive Pressure Fire Tests of Door Assemblies; Current Edition, Including All Revisions.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate the manufacture, fabrication, and installation of products that door hardware is installed on.
- B. Sequence installation to ensure utility connections are achieved in an orderly and expeditious manner.
- C. Preinstallation Meeting: Convene a preinstallation meeting one week prior to commencing work of this section; attendance is required by affected installers and the following:
 - 1. Architect.
 - 2. Installer's Architectural Hardware Consultant (AHC).
 - 3. Hardware Installer.
 - 4. Owner's Security Consultant.
- D. Furnish templates for door and frame preparation to manufacturers and fabricators of products requiring internal reinforcement for door hardware.

1.05 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Submit five (5) copies of a detailed hardware schedule, vertical format. Prepare under the supervision of an AHC, registered Architectural Hardware Consultant, and under provisions of Division 1.
- C. Product Data: Manufacturer's catalog literature for each type of hardware, marked to clearly show products to be furnished for this project, and includes construction details, material descriptions, finishes, and dimensions and profiles of individual components.
- D. Shop Drawings - Door Hardware Schedule: Submit detailed listing that includes each item of hardware to be installed on each door. Use door numbering scheme as included in Contract Documents unless directed otherwise.
 - 1. Prepared by or under supervision of Architectural Hardware Consultant (AHC).
 - 2. List groups and suffixes in proper sequence.
 - 3. Provide complete description for each door listed.
 - 4. Provide manufacturer's and product names, and catalog numbers; include functions, types, styles, sizes and finishes of each item.
 - 5. List related details. Include dimensions, door and frame material, and other considerations affecting hardware.
 - 6. Include account of abbreviations and symbols used in schedule.
 - 7. Resubmit five (5) copies of the corrected schedule when required.
- E. Samples: If so directed by the Architect, submit samples of finish hardware items for approval. Properly identify each sample as to make and number, and furnish in the specified finish.
- F. Manufacturer's Installation Instructions: Indicate special procedures and perimeter conditions requiring special attention.
- G. Maintenance Data: Include data on operating hardware, lubrication requirements, and inspection procedures related to preventative maintenance.
 - 1. Submit manufacturer's parts lists and templates.
 - 2. Bitting List: List of combinations as furnished.
- H. Templates: Furnish a copy of approved hardware schedule, along with applicable templates for factory-prepared hardware to each door and frame fabricator.
- I. Keying Schedule:
 - 1. After receipt of approved hardware schedule submit a copy of keying schedule as a result of a keying meeting between the Owner and the hardware supplier
- J. Substitutions: Submit under provisions of Division One. Provide detailed information and catalog cuts indicating the comparison to the specified hardware. If requested by the Architect, provide a sample accompanied by a sample of the specified item for comparison.
- K. Warranty: Submit manufacturer's warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.

- L. Project Record Documents: Record actual locations of concealed equipment, services, and conduit.
- M. Maintenance Materials and Tools: Furnish the following for Owner's use in maintenance of project.
 - 1. See Section 01 60 00 - Product Requirements, for additional provisions.
 - 2. Tools: One set of each special wrench or tool applicable for each different or special hardware component, whether supplied by hardware component manufacturer or not.

1.06 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum three years of documented experience.
 - 1. Except where specified in the hardware schedule, furnish products of only one manufacturer for each type of hardware.
- B. Installer Qualifications: Company specializing in performing work of the type specified for commercial door hardware with at least three years of documented experience.
- C. Supplier Qualifications: Company with certified Architectural Hardware Consultant (AHC) and Electrified Hardware Consultant (EHC) to assist in work of this section with a minimum of two (3) years experience.
- D. Regulatory Requirements:
 - 1. Furnish UL or Warnock Hersey listed hardware for all fire labeled and 20 minute openings in conformance with requirements for class of opening scheduled, whether specifically called for in this specification or not.
 - 2. Furnish hardware that conforms to all applicable state and local building codes, including IBC 2009 positive pressure testing requirements when required. Where specified hardware is not in conformance with applicable codes, such omission or error should be directed to the Architect prior to the bid date for clarification by addendum; otherwise furnish hardware as required by code.
- E. Training and Inspection:
 - 1. Hold pre-installation meeting to coordinate training of installation personnel. Installers shall be trained by manufacturer's representative.
 - 2. Manufacturer's representative shall inspect installation of hardware as part of substantial completion requirements.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Package hardware items individually; label and identify each package with door opening code to match door hardware schedule.
- B. Report any shortages to the hardware supplier no later than 48 hours after receipt of delivery to the job site.
- C. Stockpile items sufficiently in advance to ensure their availability. Coordinate delivery, handling, and installation of hardware items to ensure orderly progress of total work, and minimize or eliminate losses and damage.

PART 2 PRODUCTS

2.01 DESIGN AND PERFORMANCE CRITERIA

- A. Provide specified door hardware as required to make doors fully functional, compliant with applicable codes, and secure to extent indicated.
- B. Provide individual items of single type, of same model, and by same manufacturer.
- C. Provide door hardware products that comply with the following requirements:
 - 1. Applicable provisions of federal, state, and local codes.
 - 2. Accessibility: ADA Standards and ICC A117.1.
 - 3. Fire-Rated Doors: NFPA 80, listed and labeled by qualified testing agency for fire protection ratings indicated, based on testing at positive pressure in accordance with NFPA 252 or UL 10C.
 - 4. Hardware on Fire-Rated Doors: Listed and classified by UL (DIR) or ITS (DIR) as suitable for application indicated.
 - 5. Listed and certified compliant with specified standards by BHMA (CPD).
 - 6. Hardware Preparation for Steel Doors and Steel Frames: BHMA A156.115.
 - 7. Hardware Preparation for Wood Doors with Wood or Steel Frames: BHMA A156.115W.
 - 8. Products Requiring Electrical Connection: Listed and classified by UL (DIR) as suitable for the purpose specified.

2.02 ACCEPTABLE MANUFACTURERS

A. Manufacturers:

1. <u>Products</u>	<u>Specified</u>	<u>Acceptable</u>
2. Hinges:	PBB	Stanley, McKinney, Hager
3. Flush Bolts:	Rockwood	DCI, Trimco, Ives
4. Locks and Latches:	SCHLAGE	No substitutions
5. Exit Devices:	Von Duprin	No Substitutions
6. Door Closers:	Lcn	No Substitutions
7. Protective Plates:	Rockwood	Burns, Hager
8. Overhead Stops/Holders:	ABH	Dorma, Glynn Johnson
9. Wall Stops/Floor Stops:	Rockwood	Trimco, Hager, DCI

2.03 HINGES

A. Acceptable manufacturers and respective catalog numbers

1. <u>Description</u>	<u>P.B.B.</u>	<u>Stanley</u>	<u>McKinney</u>	<u>Hager</u>
2. Std. Wt. Plain Bearing - Steel:	PB81	F179	T2714	1279
3. Std. Wt. Ball Bearing - Steel:	BB81	FBB179	TA2714	BB1279
4. Std. Wt. Ball Bearing non ferrous:	BB21/BB51	FBB191	TB2314	BB1191
5. Hvy. Wt. 4 Ball Bearing Steel:	4B81	FBB168	T4B3786	BB1168
6. Hvy. Wt. 4 Ball Bearing - non ferrous:	4B21/4B51	FBB199	T4B3386	BB1199
7. Std. Wt. Spring Hinge	SP81	2060	1502	1250

B. Hinges: Complying with BHMA A156.1, Grade 1.

1. Self Closing Hinges: Complying with BHMA A156.17.
2. Butt Hinges: Complying with BHMA A156.1 and BHMA A156.7 for templated hinges.
 - a. Provide hinge width required to clear surrounding trim.
3. Continuous Hinges: Complying with BHMA A156.26.
4. Provide hinges on every swinging door.
5. Provide following quantity of butt hinges for each door:
 - a. Doors From 60 inches High up to 90 inches High: Three hinges.
 - b. Doors 90 inches High up to 120 inches High: Four hinges.
 - c. Doors over 120 inches High: One additional hinge per each additional 30 inches in height.
 - d. Dutch Doors: Two hinges each leaf.

C. Type: Furnish as follows, unless otherwise noted in groups:

1. Standard weight, plain bearing hinge for interior openings through 36" wide without a door closer.
2. Standard weight, ball bearing hinge for interior openings over 36" through 40" wide with a door closer, and for interior openings through 40" wide with a door closer.
3. Heavy weight, four ball bearing hinge for all interior openings over 40" wide and all vestibule doors, unless noted differently in groups.
4. Heavy weight, four ball bearing, stainless steel or brass hinge for all exterior openings, unless noted differently in groups.

D. Size: Furnish as follows, unless otherwise noted in groups:

1. 1 3/4" doors: 4-1/2" x 4-1/2"
2. Provide proper hinge width to clear trim and allow full 180° swing.

E. Hinges for all lockable doors opening outward shall have non-removable pin (NRP). All other hinges shall have non-rising pins.

2.04 FLUSHBOLTS

A. Acceptable manufacturers and respective catalog numbers:

1. <u>Description</u>	<u>Rockwood</u>	<u>Ives</u>	<u>Trimco</u>	<u>DCI</u>
2. Manual - Metal Door	555	FB458	3917	780F
3. Manual - Wood Door	557	FB358	3913	790F
4. Automatic - Metal Door	1842	FB31P	3810	842
5. Automatic - Wood Door	1962	----	----	962
6. Self Latching - Metal Door	1845	FB51P	3820	845
7. Self Latching - Wood Door	1945	FB61P	3825	945
8. Dust Proof Strike	570	DP2	3911	82

B. Flushbolts: Complying with BHMA A156.16, Grade 1.

1. Flushbolt Throw: 3/4 inch, minimum.
2. Provides extension bolts in leading edge of door, one bolt into floor, one bolt into top of frame.
 - a. Pairs of Swing Doors: At inactive leaves, provide flushbolts of type as required to comply with code.
3. Provide dustproof floor strike for bolt into floor, except at metal thresholds.
4. Manual Flushbolts: Provide lever extensions for top bolt at over-sized doors.
5. Self-Latching Flushbolts: Automatically latch upon closing of door; manually retracted; located on inactive leaf of pair of doors.
6. Automatic Flushbolts: Automatically latch upon closing of door; automatic retraction of bolts when active leaf is opened; located on inactive leaf of pair of doors.

2.05 EXIT DEVICES

- A. Acceptable manufacturers and respective catalog numbers:

<u>Description</u>	<u>Von Duprin</u>
2. Wide Stile Rim	98 RIM
3. Wide Stile Surf. Vert. Rod	9827
4. Wide Stile Conc. Vert. Rod	9847
5. Wide Stile Mortise	9875
6. Narrow Stile Rim	35 RIM
7. Narrow Stile Conc. Vert. Rod	3547
- B. Exit Devices: Complying with BHMA A156.3, Grade 1.
 1. Lever design to match lockset trim.
 2. Provide exit devices properly sized for door width and height.
 3. Provide strike as recommended by manufacturer for application indicated.
 4. For electrical options, provide quick connect plug-in pre-wired connectors.

2.06 LOCK CYLINDERS

- A. Manufacturers:
 1. Basis of Design: SCHLAGE
- B. Lock Cylinders: Provide key access on outside of each lock, unless otherwise indicated.
 1. Provide cylinders from same manufacturer as locking device.
 2. Provide cams and/or tailpieces as required for locking devices.
 3. Match existing key system. Verify on site.

2.07 CYLINDRICAL LOCKS

- A. Cylindrical Locks (Bored): Complying with BHMA A156.2, Grade 1, 4000 Series.
- B. Acceptable manufacturers and respective catalog numbers:

1. <u>Description</u>	SCHLAGE
2. Hvy. Duty Grade 1 Cylindrical	ND SERIES
- C. Furnish lever design as follows: Schlage RHO or equal.
- D. Furnish lock types and functions as specified in the hardware schedule, and as follows:
 1. Provide 2-3/4" backset.
 2. Provide 2-3/4" x 1-1/8" "T" strike with a dust box for use in wood doors or frames.
 3. Provide 4-7/8" x 1-1/4" ANSI strike for installation in a hollow metal door or frame.
 4. Locksets to conform to ANSI A156.2, Series 4000, Grade 1 and be UL listed.
 5. Strike lip length shall be sufficient to protect trim, but shall not project more than 1/8" beyond trim, frame or inactive leaf.
 6. Furnish abrasive coating on levers that lead to loading platforms, stages, stairs other than exit stairs and other hazardous locations as required by code.

2.08 CLOSERS

- A. Acceptable manufacturers and respective catalog numbers:
- | 1. | Description | LCN |
|----|-------------------------|-----------|
| 2. | Heavy Duty Reg. Arm | 4041 |
| 3. | Heavy Duty Parallel Arm | 4041 EDA |
| 4. | Heavy Duty Stop Arm | 4041 CUSH |
| 5. | Medium Duty | 1460 |
| 6. | Standard Duty-No Cover | 1070 |
- B. Closers: Complying with BHMA A156.4, Grade 1.
1. At corridor entry doors, mount closer on room side of door.
 2. At outswinging exterior doors, mount closer on interior side of door.
- C. Furnish complete with mounting brackets, drop plates, spacers, special shoes, and thru bolts as may be required by the door and frame conditions.
- D. Unless noted otherwise in the door or hardware schedule install closers on the room side of corridor doors, stair side of stairway doors and interior side of exterior doors

2.09 OVERHEAD STOPS AND HOLDERS

- A. Acceptable manufacturers and respective catalog numbers:
- | 1. | Description | A.B.H. | Dorma | Glynn Johnson |
|----|-------------------------|--------|-------|---------------|
| 2. | Heavy Duty Surface | 9000 | 900 | 90 |
| 3. | Heavy Duty Concealed | 1000 | 910 | 100 |
| 4. | Standard Duty Surface | 4400 | 700 | 450 |
| 5. | Standard Duty Concealed | 4000 | 710 | 410 |
- B. Overhead Stops and Holders (Door Checks): Complying with BHMA A156.8, Grade 1.
- C. If a regular arm door closer being supplied limits the swing of the door to less than that required for the door to reach a wall stop, an overhead stop must be supplied.
- D. Furnish an overhead stop if a door opens against equipment, casework, sidelights, or other objects that would make wall bumpers inappropriate, and as specified in the hardware groups.

2.10 PROTECTION PLATES

- A. Manufacturers:
1. Rockwood; an Assa Abloy Group company: www.assaabloydss.com.
 2. Burns; www.burnsmfg.com
 3. Trimco: www.trimcohardware.com.
- B. Protection Plates: Complying with BHMA A156.6.
- C. Metal Properties: Aluminum.
1. Metal, Standard Duty: Thickness 0.05 inch, minimum.
- D. Edges: Beveled, on four sides unless otherwise indicated.
- E. Fasteners: Countersunk screw fasteners

2.11 KICK PLATES

- A. Manufacturers:
1. Ives, an Allegion brand: www.allegion.com/us.
 2. Rockwood; an Assa Abloy Group company: www.assaabloydss.com.
 3. Burns; www.burnsmfg.com
 4. Hager Companies; www.hagerco.com
 5. Trimco: www.trimcohardware.com.
- B. Kick Plates: Provide along bottom edge of push side of every door with closer, except aluminum storefront and glass entry doors, unless otherwise indicated.
1. Size: 8 inch high by 2 inch less door width (LDW) on push side of door. 1" less for pairs.

2.12 WALL STOPS

- A. Manufacturers:
 - 1. Rockwood; an Assa Abloy Group company; 407: www.assaabloydss.com.
 - 2. Hager Companies; 232w: www.hagerco.com.
- B. Wall Stops: Complying with BHMA A156.16, Grade 1 and Resilient Material Retention Test as described in this standard.
 - 1. Type: Bumper, convex, wall stop.
 - 2. Material: Aluminum housing with rubber insert.
- C. Wall stops shall not be mounted to casework, cabinet work, sidelights, or equipment.
- D. Where a specified wall stop is not applicable, but a different type of stop will function correctly, supply the correct type.

2.13 GASKETS

- A. Manufacturers: As identified in Groups.

2.14 KEY CONTROL SYSTEMS

- A. The Hardware Supplier, in consultation with the Owner's authorized representative, shall prepare a detailed keying schedule. A copy of the final approved keying schedule bearing the signature of approval of the Owner's Representative shall be filed with the Architect. In additions or campus situations all locks shall be keyed into the same system as is used on existing building(s) as directed by Owner.
- B. Key Control Systems: Complying with guidelines of BHMA A156.28.
 - 1. Provide keying information in compliance with DHI (KSN) standards.
 - 2. Keying: Grand master keyed.
- C. Furnish the required number of keys for each keyed group in quantity as directed by the Owner.
- D. Grand master and master keys shall be delivered by registered mail direct from the manufacturer to the Owner.

2.15 FINISHES

- A. Unless indicated otherwise in the groups provide finishes as follows:

1. Hinges, interior:	US26D
2. Flush Bolts:	US26D
3. Exit Devices:	US32D
4. Locks and Latches:	US26D
5. Door Closers:	Painted Aluminum
6. Protective Plates:	US32D
7. Overhead Stops:	Painted Aluminum
8. Wall Stops:	US32D
9. Gasket:	Black

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that doors and frames are ready to receive this work; labeled, fire-rated doors and frames are properly installed, and dimensions are as indicated on shop drawings.
- B. Verify that electric power is available to power operated devices and of correct characteristics.

3.02 INSTALLATION

- A. Install hardware in accordance with manufacturer's instructions and applicable codes.
- B. Install hardware on fire-rated doors and frames in accordance with applicable codes and NFPA 80.
- C. Use templates provided by hardware item manufacturer.
- D. Do not install surface mounted items until application of finishes to substrate are fully completed.
- E. Set units level, plumb and true to the line and location. Prepare and reinforce the attachment substrate as necessary for proper installation and operation.
- F. Mortise and cut to close tolerance and conceal evidence of cutting in the finished work. Drill and countersink units which are not factory prepared for anchorage fasteners.

- G. If manufacturer's instructions do not call out a mounting location, refer to the Door and Hardware Institute's publication Recommended Locations for Architectural Hardware.
- H. Set exterior door thresholds with full-width bead of elastomeric sealant at each point of contact with floor providing a continuous weather seal; anchor thresholds with stainless steel countersunk screws.

3.03 ADJUSTING

- A. Adjust work under provisions of Section 01 70 00 - Execution and Closeout Requirements.
- B. Adjust hardware for smooth operation.
- C. Adjust gasketing for complete, continuous seal; replace if unable to make complete seal.
- D. Replace units that cannot be adjusted or lubricated to operate properly.

3.04 CLEANING

- A. Clean finished hardware in accordance with manufacturer's written instructions after final adjustments have been made.
- B. Clean adjacent surfaces soiled by hardware installation.
- C. Replace items that cannot be cleaned to manufacturer's level of finish quality at no additional cost.

3.05 HARDWARE SCHEDULE

- A. It is the responsibility of the Hardware Supplier to confirm door sizes applicable to each hardware set and adjust sets accordingly to match door sizes.

HARDWARE GROUP 1

EACH SINGLE DOOR TO HAVE:

DR.100A

3 EA	HINGES	TA2714 4.5 X 4.5 26D NRP	MCKINNEY
1 EA	EXIT DEVICE	99L-F X 996L-R US26D	VONDUPRIN
1 EA	RIM CYLINDER	MATCH OWNERS EXISTING KEY SYSTEM	
1 EA	CLOSER	4040XP EDA 689	LCN
1 EA	WALL STOP	409 US32D	ROCKWOOD
1 EA	KICKPLATE	10 X 2"LDW US32D	ROCKWOOD
1 EA	SMOKE GASKET	F797B17	REESE
PREP FRAME FOR FUTURE CARD READER. INSTALL CONDUIT FROM ABOVE CEILING TO STRIKE AREA			

HARDWARE GROUP 2

EACH SINGLE DOOR TO HAVE:

DR.101A, 103A

3 EA	HINGES	TA2714 4.5 X 4.5 26D	MCKINNEY
1 EA	ENTRANCE LOCK	ND53PD RHO 626	SCHLAGE
1 EA	WALL STOP	409 US32D	ROCKWOOD
3 EA	SILENCERS	608RKW GREY	ROCKWOOD
1 EA	KICKPLATE	10 X 2"LDW US32D	ROCKWOOD

HARDWARE GROUP 3

EACH SINGLE DOOR TO HAVE:
DR.102A, 104A, 106A

3 EA	HINGES	TA2714 4.5 X 4.5 26D	MCKINNEY
1 EA	ENTRANCE LOCK	ND53PD RHO 626	SCHLAGE
1 EA	CLOSER	4040XP REG 689	LCN
1 EA	WALL STOP	409 US32D	ROCKWOOD
1 EA	SMOKE GASKET	F797B17	REESE
1 EA	KICKPLATE	10 X 2"LDW US32D	ROCKWOOD

HARDWARE GROUP 4

EACH SINGLE DOOR TO HAVE:
DR.107A

3 EA	HINGES	TA2714 4.5 X 4.5 26D	MCKINNEY
1 EA	STORERM LOCK	ND80PD RHO 626	SCHLAGE
1 EA	CLOSER	4040XP REG 689	LCN
1 EA	WALL STOP	409 US32D	ROCKWOOD
1 EA	SMOKE GASKET	F797B17	REESE
1 EA	KICKPLATE	10 X 2"LDW US32D	ROCKWOOD

HARDWARE GROUP 5

EACH SINGLE DOOR TO HAVE:
DR.105A

3 EA	HINGES	TA2714 4.5 X 4.5 26D	MCKINNEY
1 EA	STORERM LOCK	ND80PD RHO 626	SCHLAGE
1 EA	SURFACE OHS	450S 652	GLYNN J
3 EA	SILENCERS	608RKW GREY	ROCKWOOD
1 EA	KICKPLATE	10 X 2"LDW US32D	ROCKWOOD

HARDWARE GROUP 6

EACH PAIR OF DOORS TO HAVE:
DR.109A

6 EA	HINGES	TA2714 4.5 X 4.5 26D	MCKINNEY
1 EA	ENTRANCE LOCK	ND53PD RHO 626	SCHLAGE
2 EA	CLOSER	4040XP REG 689	LCN
1 EA	COORDINATOR	CORP42 X FL20 SP28	IVES
1 EA	AUTO FLUSHBOLT	FB32 US32D	IVES
2 EA	WALL STOP	409 US32D	ROCKWOOD
1 EA	SMOKE GASKET	F797B25	REESE
2 EA	SMOKE AST FINS	S771D7	PEMKO

HARDWARE GROUP 7

EACH PAIR OF DOORS TO HAVE:
DR.EXISTING EXT OUT OF SHOP

NO WORK AT THIS TIME

END OF SECTION

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WISCONSIN INDIANHEAD TECHNICAL COLLEGE
BALSAM LAKE INTERIOR REMODEL
400 POLK COUNTY PLAZA
BALSAM LAKE, WI 54810



WISCONSIN
INDIANHEAD
TECHNICAL
COLLEGE

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN



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Consultant:

INDEX OF DRAWINGS

JUNE 2018

CONSTRUCTION DOCUMENTS

SHEET SET - ARCHITECTURAL

A001 - COVER SHEET & CODE PLANS
A090 - REMOVAL PLAN & PHOTO DETAILS
A100 - FLOOR PLAN, INTERIOR ELEVATION & DETAILS
A110 - REFLECTED CEILING PLAN & SCHEDULES & TYPES

SHEET SET - PLUMBING

P101 - PLUMBING PLANS

SHEET SET - MECHANICAL

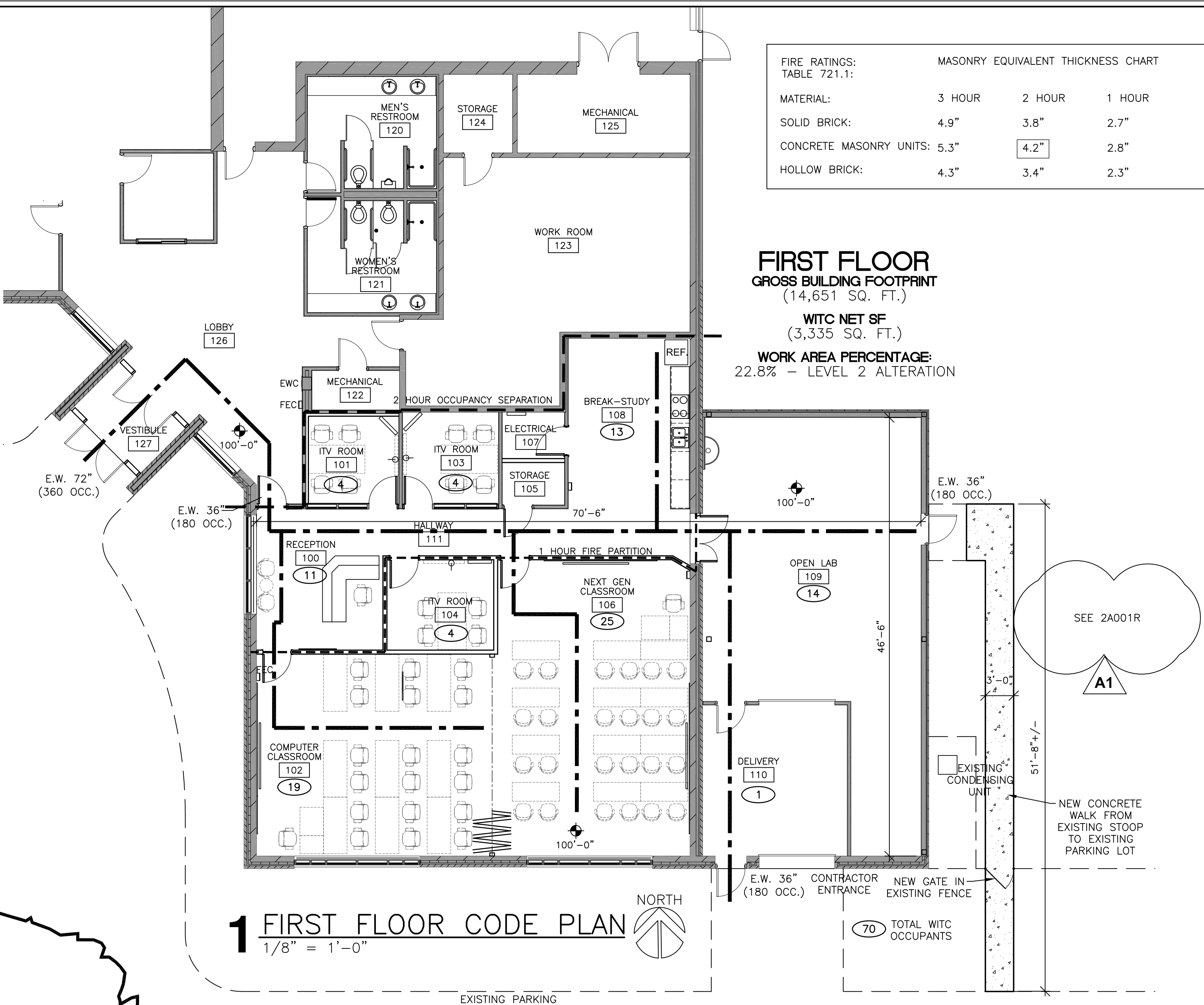
M001 - MECHANICAL COVER SHEET & GENERAL NOTES
MD101 - MECHANICAL REMOVAL PLANS
M101 - MECHANICAL DUCTWORK PLANS

SHEET SET - ELECTRICAL

E001 - ELECTRICAL COVER SHEET & GENERAL NOTES
ED111 - ELECTRICAL LIGHTING DEMO PLAN
ED121 - ELECTRICAL POWER & SYSTEMS DEMO PLAN
E111 - ELECTRICAL LIGHTING PLAN
E121 - ELECTRICAL POWER & SYSTEMS PLAN
E122 - ELECTRICAL ROOF POWER PLAN
E701 - ELECTRICAL SCHEDULES

CODE DATA: EXISTING BLDG
BUILDING CLASSIFICATION:
B - BUSINESS (WITC)
E - EDUCATIONAL (OTHER TENANT)
TYPE OF CONSTRUCTION:
II-B (UN-SPRINKLERED)
NO. OF STORIES:
ONE STORY
EXIT DISTANCE:
200 FEET
EGRESS WIDTH / OCCUPANT:
0.20/OCCUPANT - OTHER EGRESS (1005.3.2)
0.20/OCCUPANT - STAIRWAYS (1005.3.1)
OCCUPANCY LOAD:
70 WITC
89 OTHER TENANT
ALTERATION LEVEL:
LEVEL 2 ALTERATION (EBC 2015)
FIRE PROOFING U.L.
DESIGN NO'S/NOTES:
- PROVIDE AND INSTALL 1HR & 2HR FIRE RATED TOP
OF WALL JOINT SYSTEM CLOSURES AS PER UL-2079
AS NOTED ON PLANS

DRAWING LEGEND:
INDICATES ROOM NAME &
INDICATES ROOM NUMBER
INDICATES OCCUPANCY LOAD
HDCP ACCESSIBLE PATH
1 HR FIRE BARRIER WALL
W/ TOP OF WALL CLOSURE
2 HR FIRE BARRIER WALL
W/ TOP OF WALL CLOSURE
ELEVATION OF
SURFACE INDICATED
EXIT WAY IN INCHES
AND MAX OCC.
SYMBOL LEGEND:
FEC: CABINET MOUNTED FIRE
EXTINGUISHER
FE: WALL MOUNTED
FIRE EXTINGUISHER

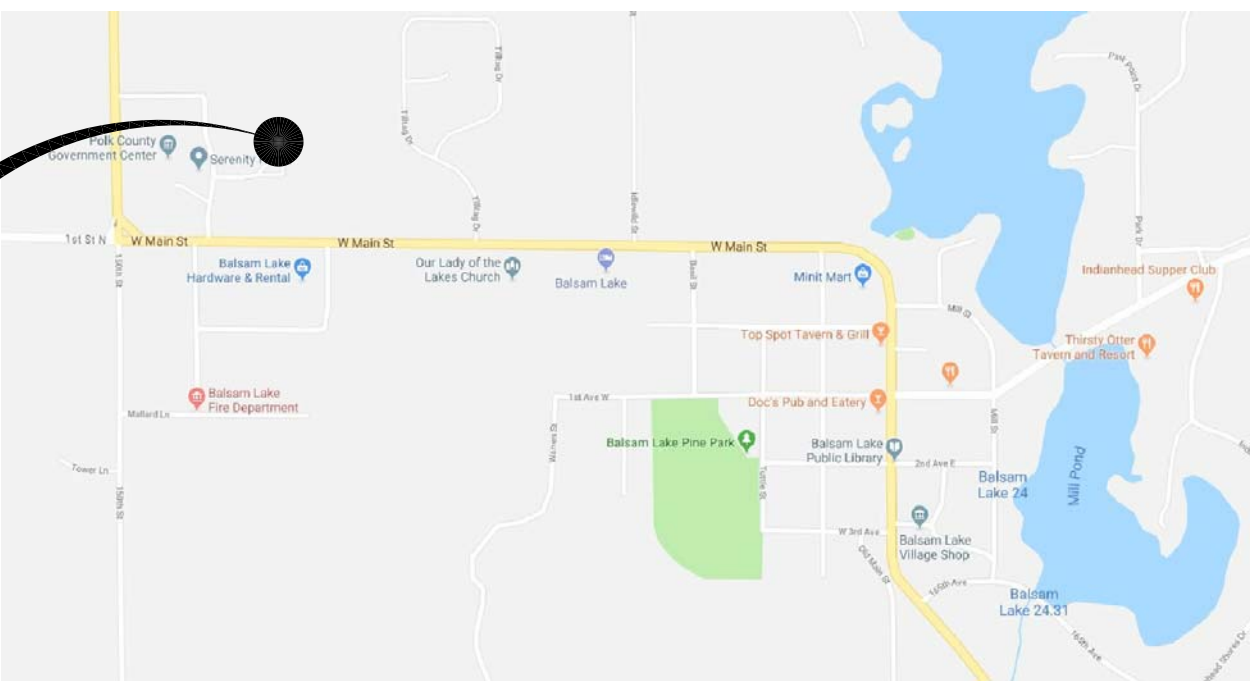


DESIGN CODE: 2015 (IBC) INTERNATIONAL BUILDING CODE
BUILDING HEIGHT: 2 STORIES ALLOWED - ACTUAL IS 1 STORY ABOVE GRADE PLANE 55' MAX. HEIGHT
BUILDING AREA: PER FLOOR MAXIMUM: 25,375 SF
1ST FLOOR GSF: 14,651 SF
TOTAL: 14,651 SF
PROJECT BUILDING AREA: TOTAL WORK AREA: 3,335 SF (22.8%)
TYPE OF CONSTRUCTION: II-B, SEPARATED USES
AUTOMATIC SPRINKLER SYSTEM: NONE
OCCUPANCY: B: BUSINESS (WITC)
E: EDUCATIONAL (OTHER TENANT)
SECTION 506 BUILDING AREA MODIFICATIONS: CLEAR AREA
IF = (619/619 - .25) 30/30 = .75
Aa (BUSINESS) = 19,000 + (19,000 x .75) = 33,250 SQ. FT.
Aa (EDUCATION) = 14,500 + (14,500 x .75) = 25,375 SQ. FT.
TABLE 508.4: FIRE SEPARATION BETWEEN OCCUPANCIES:
SEPARATION BETWEEN E & B SHALL BE 1 HOUR W/ SPRINKLERS 2 HOURS W/O SPRINKLERS (2 HOUR PROVIDED)
TABLE 601 BUILDING ELEMENT FIRE RESISTANCE:
STRUCTURAL FRAME = 0 HRS
EXT/INT BEARING WALLS = 0 HRS
NONBEARING WALLS (INT) = 0 HRS
FLOOR CONSTRUCTION = 0 HRS
ROOF CONSTRUCTION = 0 HRS
SECTION 707.5: FIRE BARRIERS
FIRE BARRIERS SHALL EXTEND FROM THE TOP OF THE FOUNDATION OR FLOOR/CEILING ASSEMBLY BELOW TO THE UNDERSIDE OF THE FLOOR OR ROOF SHEATHING, SLAB OR DECK ABOVE AND SHALL BE SECURELY ATTACHED THERETO. SUCH FIRE BARRIERS SHALL BE CONTINUOUS THROUGH CONCEALED SPACES, SUCH AS SPACE ABOVE A SUSPENDED CEILING.
TABLE 716.5: OPENING PROTECTIVES
2-HR FIRE BARRIER = 90 MIN. FIRE DOOR
1-HR FIRE BARRIER = 100 SQ. IN. GLAZING
1-HR FIRE PARTITION = 45 MIN. FIRE DOOR
1-HR FIRE PARTITION = 20 MIN. FIRE DOOR
GLAZING MAX SIZE TESTED
GLAZING MAX SIZE TESTED
TABLE 1004.1.2: OCCUPANCY VALUES
BUSINESS: 100 SF GROSS
CLASSROOM: 20 SF NET
SHOP/CLASSROOM: 50 SF NET
STORAGE: 300 SF GROSS
SECTION 1014.3.1: COMMON PATH
IN OCCUPANCIES OTHER THAN GROUPS H-1, H-2, AND H-3 THE COMMON PATH OF EGRESS TRAVEL SHALL NOT EXCEED 75'.
TABLE 1017.2: EXIT ACCESS TRAVEL DISTANCE
B & E OCCUPANCY - UN-SPRINKLERED 200'
TABLE 1020.1: CORRIDOR FIRE RATING
B & E CORRIDORS SHALL BE 1 HOUR RATED IN UN-SPRINKLERED BUILDINGS
TABLE 1020.2: CORRIDOR WIDTH
B OCCUPANCIES SHALL HAVE A MINIMUM CORRIDOR WIDTH OF 44 INCHES.
SECTION 1104.2: ACCESSIBLE ROUTE
AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ACCESSIBLE BUILDING, ACCESSIBLE FACILITIES, ACCESSIBLE ELEMENTS AND ACCESSIBLE SPACES THAT ARE ON THE SAME SITE.

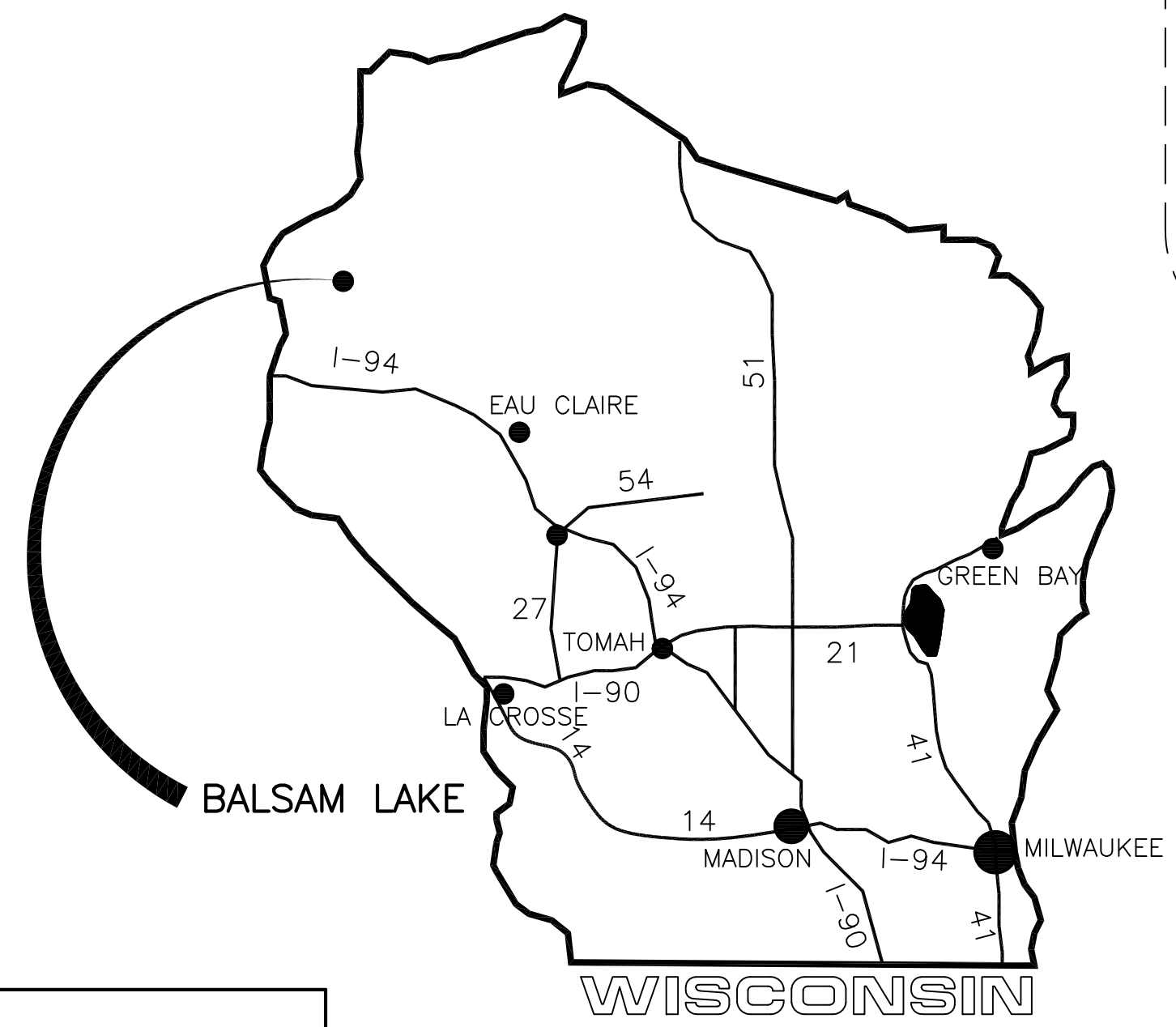
USE GROUP	# OF OCC	WATER CLOSET	LAVATORY	DRINKING FNTNS
BUSINESS	35 M/F	1:25 TILL 50 1:50 AFTER	1:40 TILL 80 1:50 AFTER	1:100 1:100
EDUCATIONAL	45 M/F	1:50 1:50	1:50 1:50	1:100 1:100
BUSINESS	1.4 WC REQ'D FOR EACH SEX	0.9 LAV REQ'D FOR EACH SEX		
EDUCATIONAL	0.9 WC REQ'D FOR EACH SEX	0.9 LAV REQ'D FOR EACH SEX		
2M & 2F WC PROVIDED FOR EDUCATION 1M & 1F LAV PROVIDED FOR EDUCATION 2M & 2F WC SHARED FOR FULL BUILDING 2M & 2F LAV SHARED FOR FULL BUILDING				

DESIGN CODE: 2015 (IBC) INTERNATIONAL EXISTING BUILDING CODE
SECTION 504.1: LEVEL OF ALTERATIONS
LEVEL 2 ALTERATIONS INCLUDE THE RECONFIGURATION OF SPACE, THE ADDITION OR ELIMINATION OF ANY DOOR OR WINDOW, THE RECONFIGURATION OR EXTENSION OF ANY SYSTEM OR THE INSTALLATION OF ANY ADDITIONAL EQUIPMENT.
SECTION 805.5.1: CORRIDOR DOORS
CORRIDOR DOORS IN THE WORK AREA SHALL NOT BE CONSTRUCTED OF HOLLOW CORE WOOD AND SHALL NOT CONTAIN LOUVERS...
SECTION 1012.4.2: CHANGE OF OCCUPANCY
WHEN A CHANGE OF OCCUPANCY CLASSIFICATION IS MADE TO AN EQUAL OR LESSER HAZARD CATEGORY PER TABLE 1012.4, EXISTING ELEMENTS OF THE MEANS OF EGRESS SHALL COMPLY WITH REQUIREMENTS OF 905 FOR THE NEW OCCUPANCY CLASSIFICATION. NEWLY CONSTRUCTED OR CONFIGURED MEANS OF EGRESS SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 10 OF THE IBC.
NOTE: ACCESS AND EXITS COMPLY.

CITY STREETS MAP

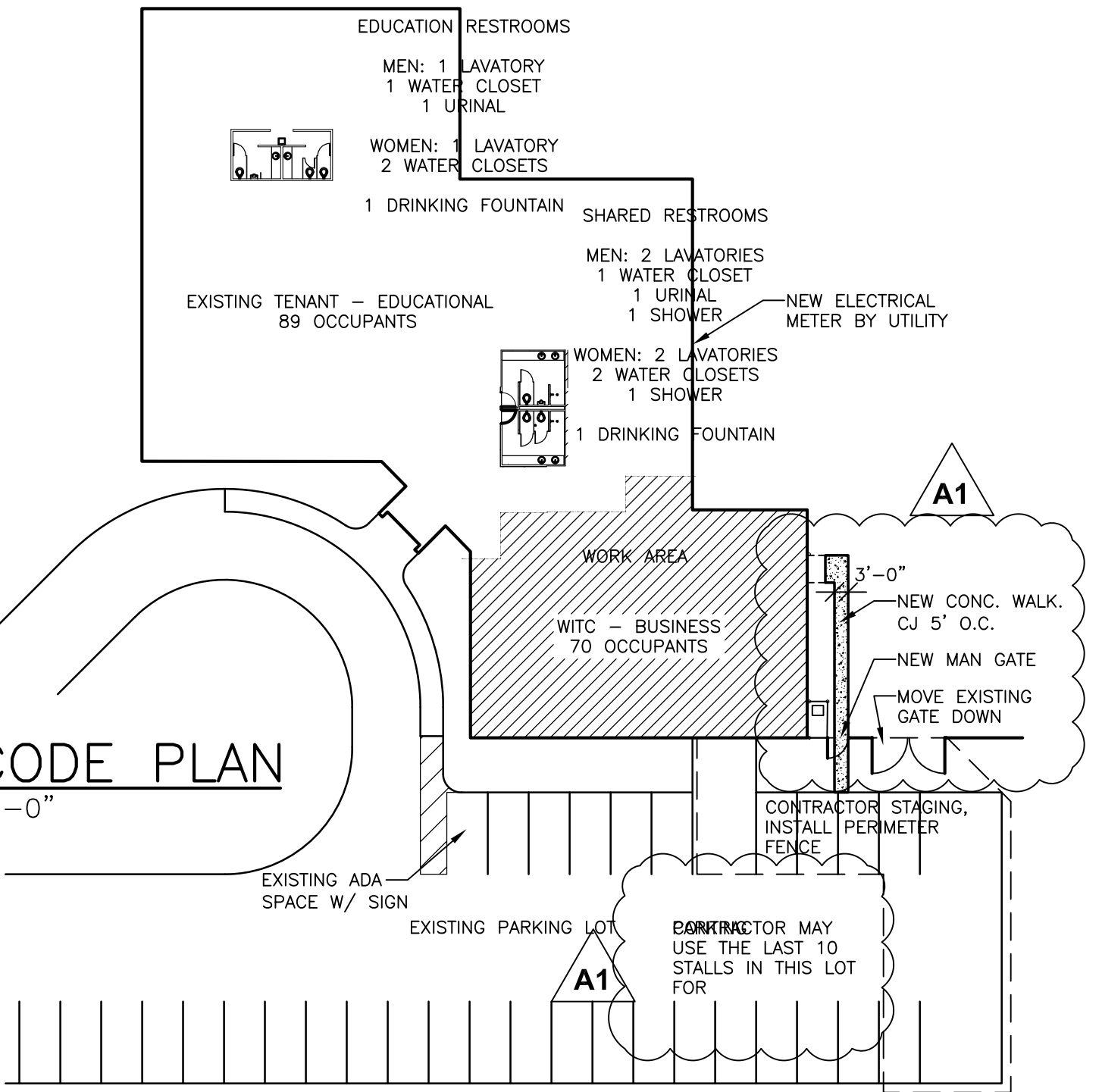


PROJECT SITE
BALSAM LAKE, WI



STATE MAP

2 KEY CODE PLAN
1/32" = 1'-0"



PROJECT TEAM

PROJECT MANAGER: HSR ASSOCIATES, INC. DANIEL L. BLUMER 608.785.4719
ARCHITECT OF RECORD
PROJECT ARCHITECT: HSR ASSOCIATES, INC. MARC ZETTLER 608.785.4723
SPECIFICATIONS: HSR ASSOCIATES, INC. RON KNAPMILLER 608.785.4724
PLUMBING: MEP ASSOCIATES, LLC NICK ERICKSON 715.832.5680
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ELECTRICAL: MEP ASSOCIATES, LLC CORY STROH 715.832.5680
INTERIOR DESIGN: HSR ASSOCIATES, INC. KYLIE VEERKAMP 608.785.4722

WITC - BALSAM LAKE CAMPUS
BALSAM LAKE INTERIOR REMODEL

400 Polk County Plaza
Balsam Lake, Wisconsin 54810

COVER & CODE SHEET

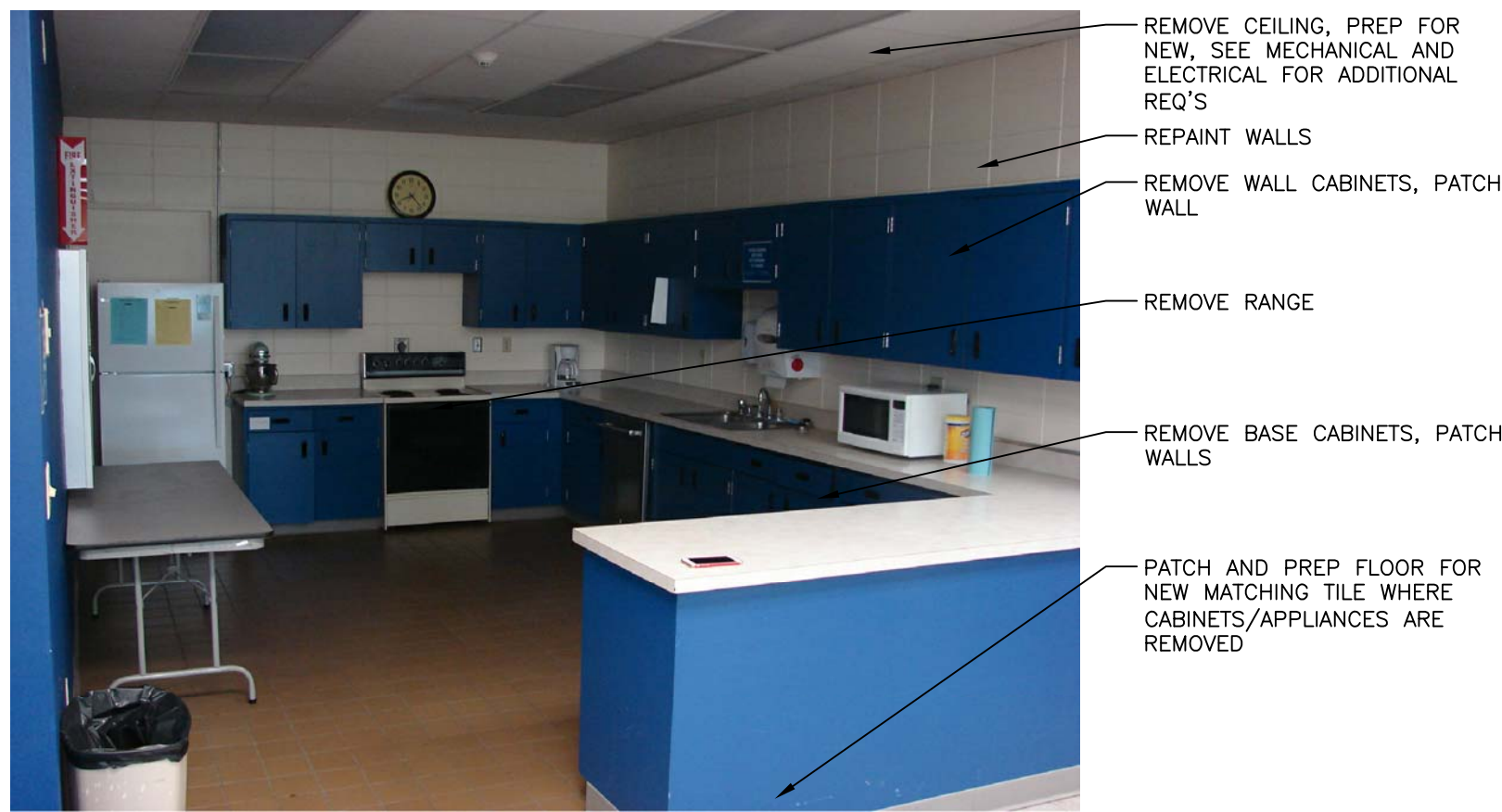
Project Title:
Project Number:
Project Date:
Drawn By:
Key Plan:

HSR Project Number: 17063-11
Project Date: June 2018
Drawn By: M. ZETTLER
Key Plan:

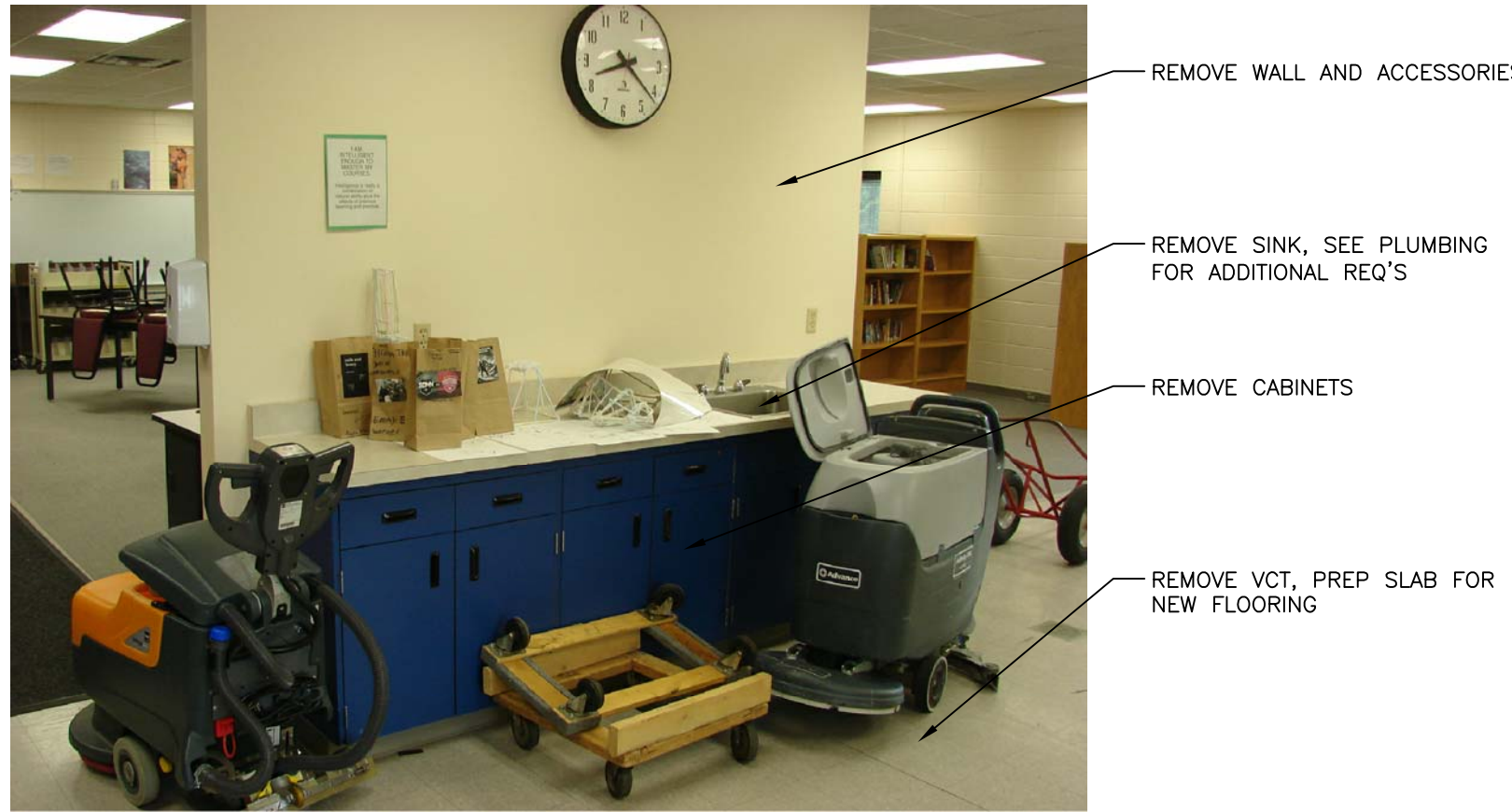
Revisions:
No. Description Date
A1 ADDENDUM #1 7/11/18

Graphic Scale:
VARIES
Last Update: 06/28/2018

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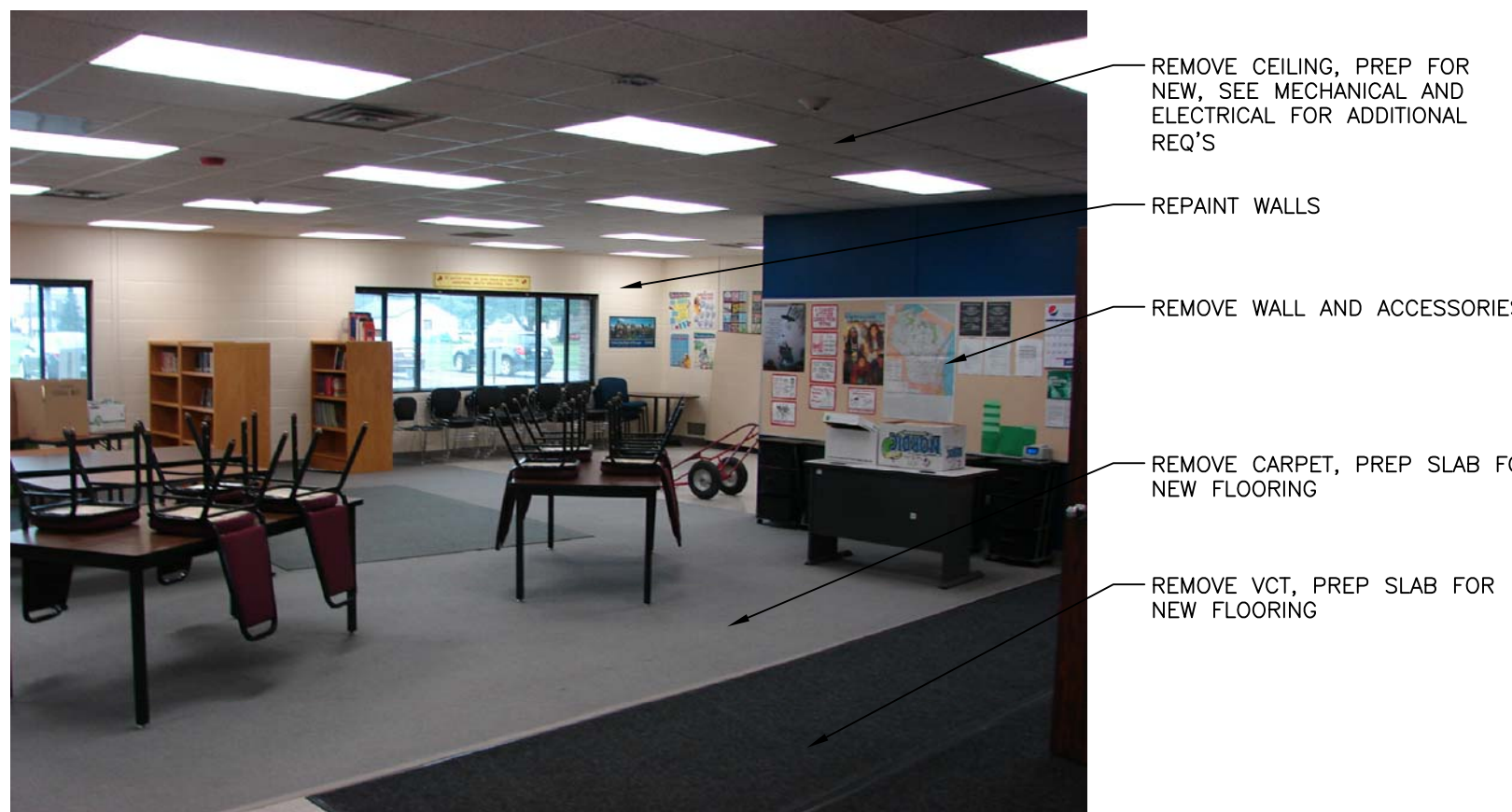
P1 KITCHEN CABINETS
NONE



P2 WORKROOM CABINETS
NONE



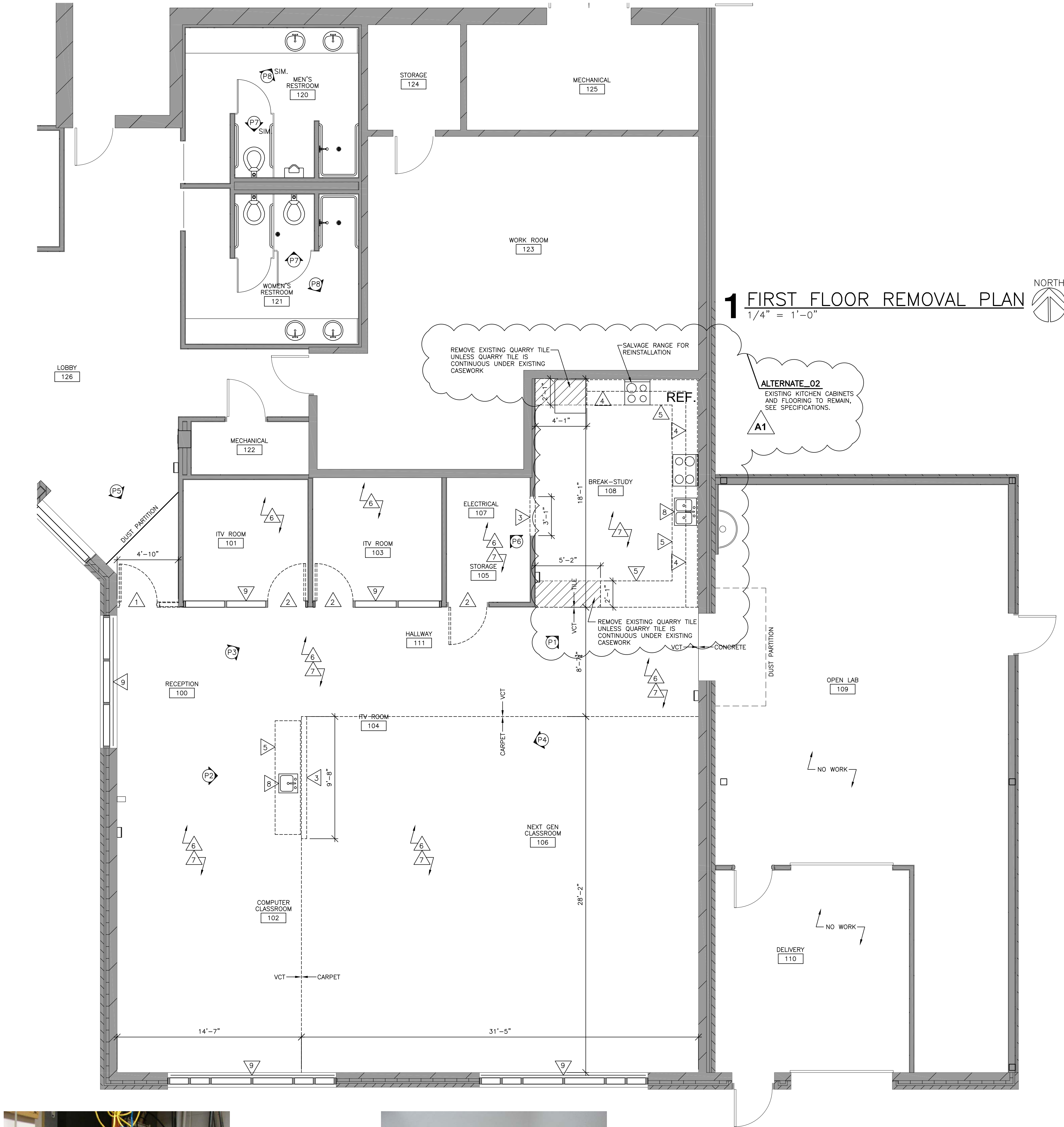
P3 OFFICE DOORS
NONE



P4 MAIN CLASSROOM
NONE



P5 SUITE ENTRY
NONE



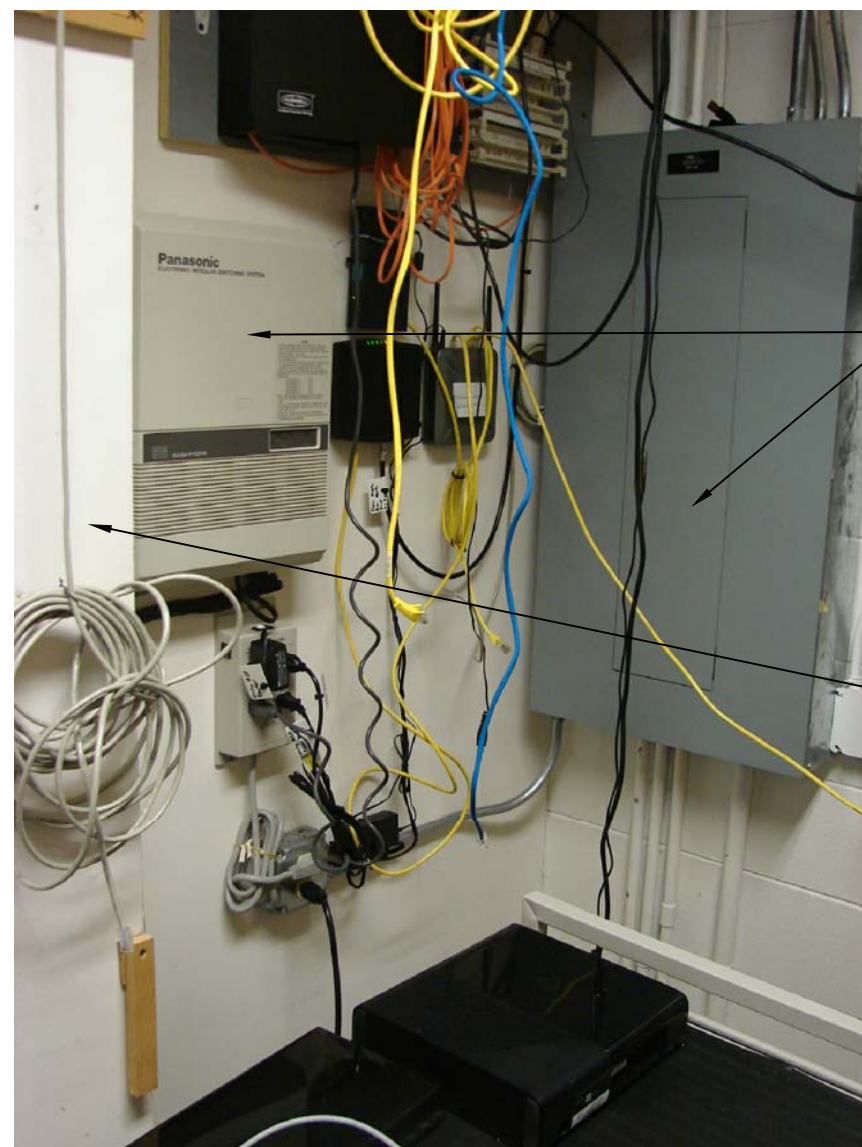
1 FIRST FLOOR REMOVAL PLAN
1/4" = 1'-0"

REMOVAL GENERAL NOTES:

- A DASHED LINES REPRESENT PARTITIONS, DOORS, FLOOR FINISHES, CEILINGS, CASEWORK, AND MISC. TO BE REMOVED, DEMOLISHED OR SALVAGED. ALSO SEE MEP REMOVAL SHEETS.
- B ALL STRUCTURES SHOWN DASHED ON THIS PLAN SHALL BE COMPLETELY REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR UNLESS OTHERWISE NOTED. REFERENCE EQUIPMENT PLANS AND MEP SHEETS FOR ALL EQUIPMENT REMOVALS AND MODIFICATIONS. THIS SHALL INCLUDE ALL ELECTRICAL, MECHANICAL OR PLUMBING WITHIN THE REMOVED STRUCTURE. REMOVE ALL ABANDONED CONDUIT, DUCTS, PIPE, ETC. VERIFY GENERAL CONDITIONS IN FIELD PRIOR TO BIDDING.
- C ALL OPENINGS RESULTING FROM REMOVED PIPE, DUCT OR OTHER MECHANICALS, SHALL BE PATCHED AND PREPPED TO RECEIVE NEW FINISHES OR MATCH ADJACENT FINISHES.
- D WHERE ELECTRIC PANELS, CABINET HEATERS, SPEAKERS, AND ETC. ARE REMOVED AND NOT REPLACED, INFILL OPENING WITH MATERIALS TO MATCH THE ADJACENT FINISHES.
- E PREPARATION FOR NEW FINISHES SHALL INCLUDE REMOVAL OF FINISHES, REMOVAL OF TAPES, GLUES (MASTIC), NAILS ETC., PATCHING OF HOLES AND CRACKS, AND UP TO 1" OF FLOOR LEVELER COMPOUND IF REQUIRED TO PROVIDE AN ACCEPTABLE SURFACE FOR NEW FINISH INSTALLATION. PREPARE FOR NEW FINISHES AT WALLS, FLOORS, CEILINGS & AREAS DAMAGED OR EXPOSED BY REMOVAL/DEMOLITION.
- F REMOVE ALL EXISTING ACCESSORIES AND OTHER MISC. EQUIPMENT ON REMOVED WALLS.
- G OWNER RETAINS FIRST RIGHT TO SALVAGE ALL ITEMS TO BE REMOVED.
- H PROVIDE NEW OPENINGS AS REQUIRED FOR NEW DUCTWORK PENETRATIONS THRU EXISTING MASONRY & OR OTHER EXISTING CONSTRUCTION. COORDINATE W/ MECH. SEE SPECIFICATIONS FOR CUTTING & PATCHING.
- J CONTRACTOR TO PROVIDE TEMPORARY PARTITION(S) TO SEPARATE CONSTRUCTION AREAS FROM OCCUPIED AREAS DURING CONSTRUCTION. LOCATION OF TEMPORARY PARTITIONS SHALL BE COORDINATED WITH ARCHITECT & OWNER.
- K OWNER WILL REMOVE LOOSE FURNISHINGS AND EQUIPMENT FROM THE WORK AREAS PRIOR TO START OF CONSTRUCTION.
- L CONTRACTOR SHALL SALVAGE FIXED EQUIP. ITEMS AS INDICATED FOR REINSTALLATION AND SET THEM IN A DESIGNATED LOCATION FOR THE OWNER TO REMOVE TO STORAGE. MISCELLANEOUS SERVICE ITEMS: CLOCKS, PAPER TOWEL DISPENSERS, FIRST AID EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SALVAGED TO THE OWNER.
- M CONTRACTOR SHALL NOTIFY OWNER OF ANY SUSPECT MATERIAL IMMEDIATELY. THE OWNER WILL TEST AND ADDRESS IN A TIMELY MANNER.
- N SALVAGE CLEAN, UNDAMAGED CEILING TILES FOR REINSTALLATION IN AREAS NOTED.
- P SALVAGE ALL DOOR HARDWARE TO OWNER.
- Q ALL FLOOR FINISHES INCLUDING ADHESIVES SHALL BE REMOVED DOWN TO CONCRETE SLAB TYPICAL.

REMOVAL KEY NOTES:

- 1 REMOVE DOOR AND FRAME, PREP FOR NEW DOOR & FRAME
- 2 REMOVE DOOR FROM FRAME, PREP FOR NEW DOOR
- 3 REMOVE WALL (FRAME CONSTRUCTION)
- 4 REMOVE WALL CABINETS, PATCH WALL
- 5 REMOVE BASE CABINETS AND COUNTERTOP, PATCH WALL
- 6 REMOVE CARPET/VCT/TILE, PREP SUBFLOOR FOR NEW FINISHES
- 7 REMOVE ACT CEILING SYSTEM, ASSOCIATED LIGHTS AND DIFFUSERS, COORDINATE WORK WITH MEP DRAWINGS
- 8 REMOVE SINK, SEE PLUMBING FOR ADDITIONAL REQ'S
- 9 REMOVE WINDOW SHADES AND VALANCE WHERE APPLICABLE



P6 ELECTRICAL ROOM
NONE



P7 EXISTING TOILET
NONE



P8 RESTROOM LAVATORY
NONE



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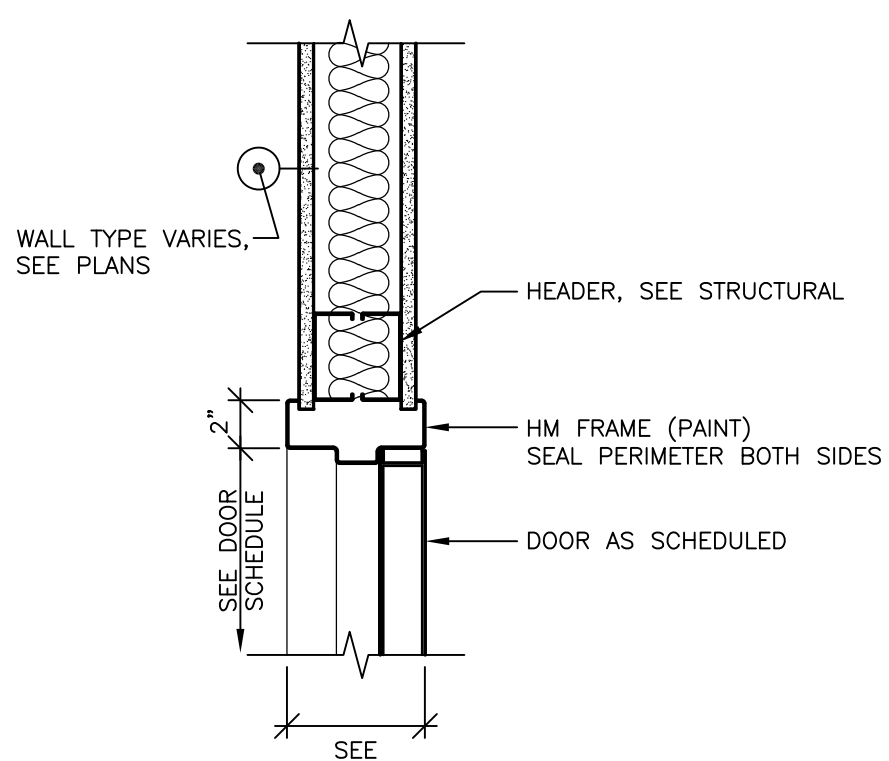
WITC - BALSAM LAKE CAMPUS
BALSAM LAKE INTERIOR REMODEL
Project Title:
Project Number:
Project Date:
Drawn By:
Key Plan:
Project Location:
Sheet Title:

17063-11
June 2018
M. ZETTLER

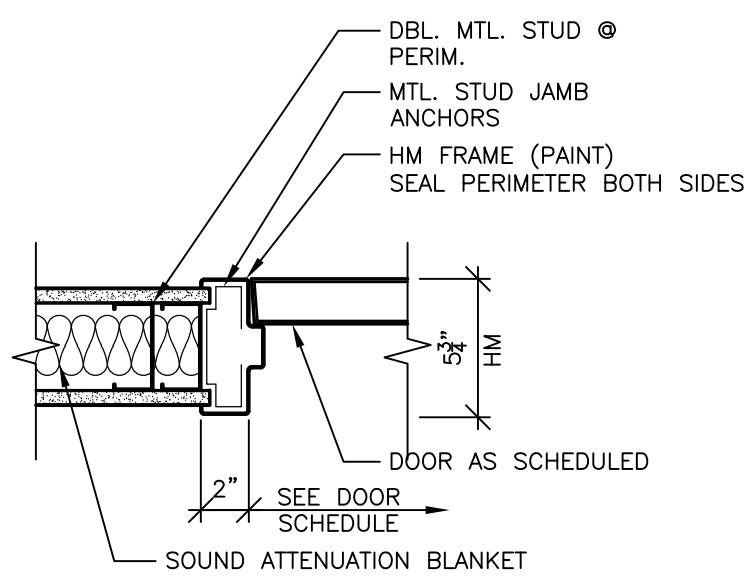
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A1	ADDENDUM #1	7/11/18

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Last Update:
06/28/2018

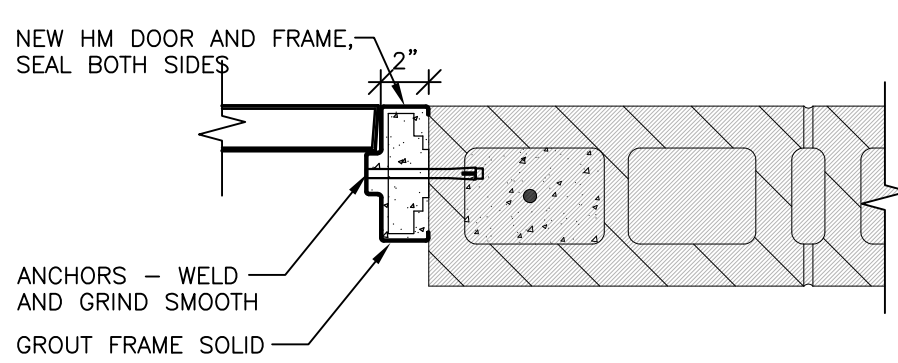
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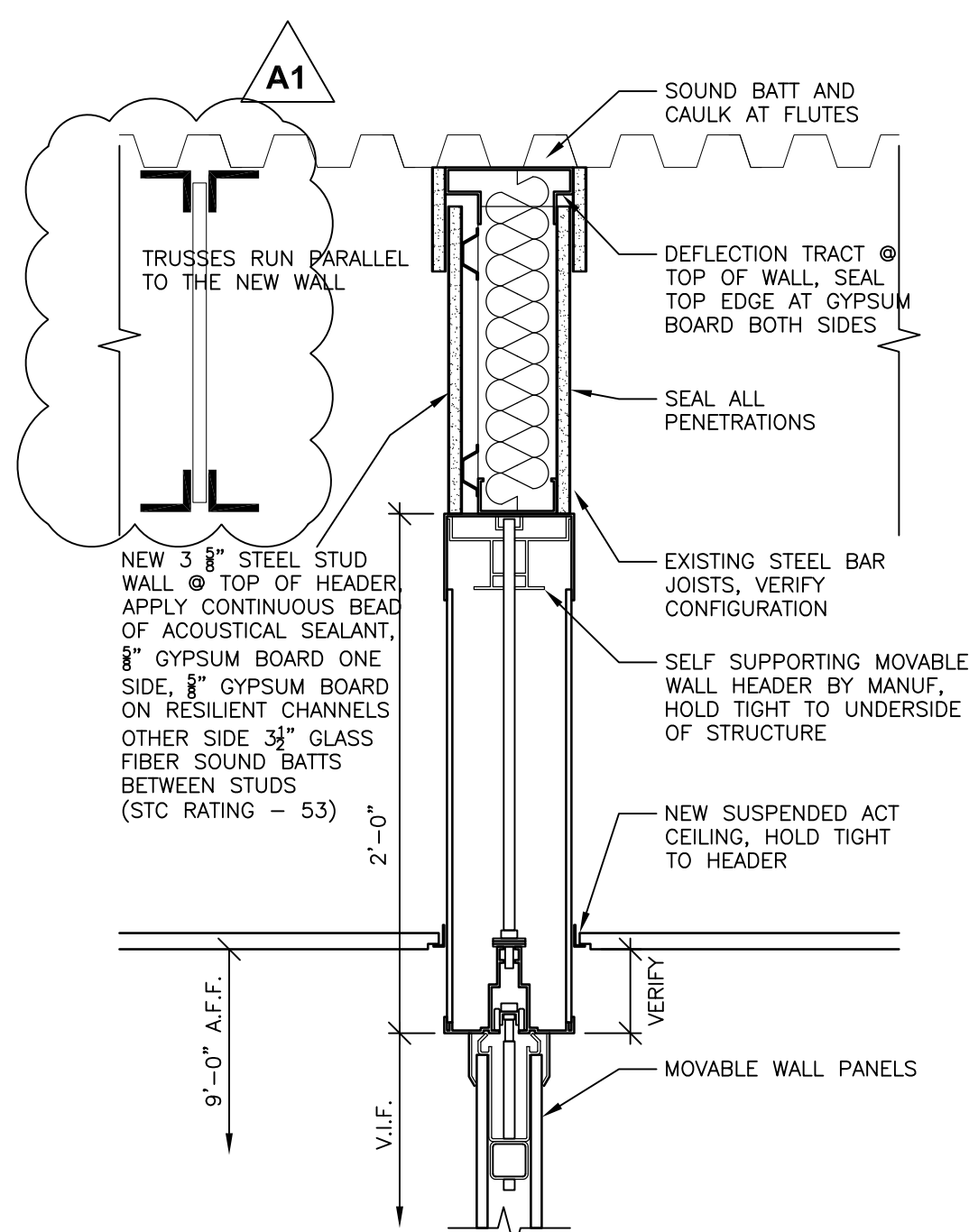
3 HM HEAD DETAIL
1 1/2" = 1'-0"



4 HM JAMB DETAIL
1 1/2" = 1'-0"

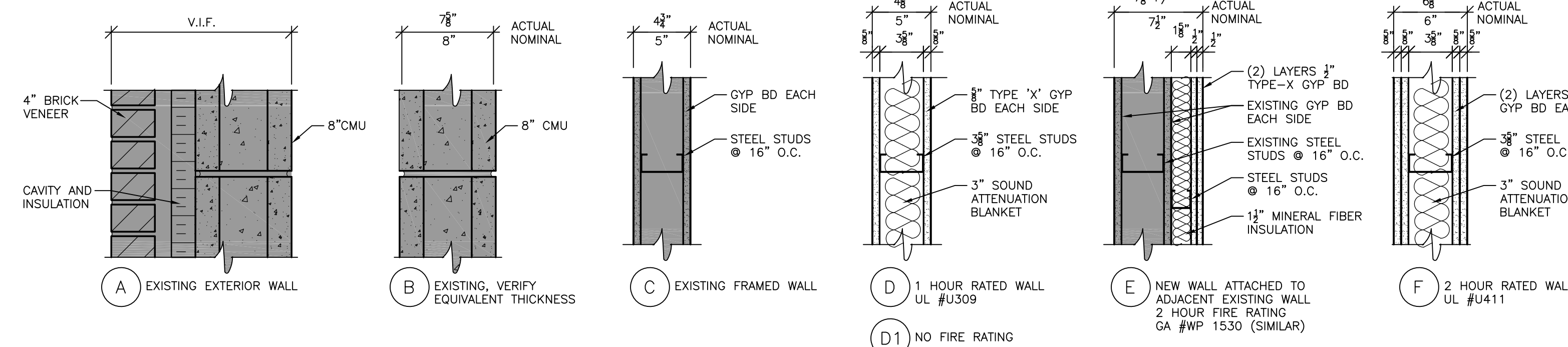


5 HM JAMB @ CMU
1 1/2" = 1'-0"

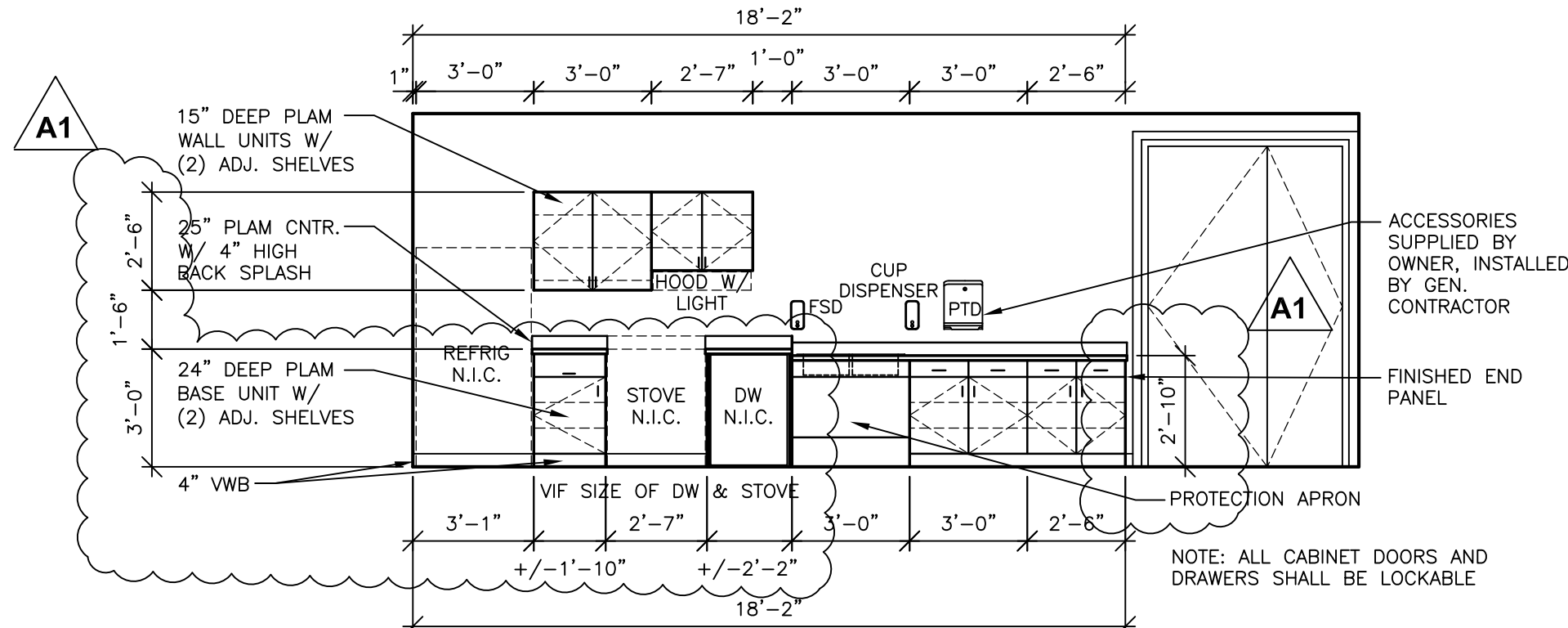


6 MOVABLE WALL HEAD
1 1/2" = 1'-0"

1 FIRST FLOOR PLAN
1/4" = 1'-0"



WALL TYPES
1 1/2" = 1'-0"



2 CASEWORK ELEVATION
1/4" = 1'-0"

REMODEL GENERAL NOTES:

- VERIFY SIZE AND LOCATIONS OF ALL MECH. OPENINGS. GENERAL CONTRACTOR TO SEAL LOUVER PERIMETER AND PAINT - TYPICAL.
- LOOSE FURNISHINGS EXCEPT AS NOTED SHALL BE PROVIDED AND INSTALLED BY THE OWNER.
- EXTEND ALL WALLS TO DECK/STRUCTURE UNLESS NOTED OTHERWISE. AT METAL STUD WALLS W/ SOUND BLANKET EXTEND GYP BOARD BOTH SIDES TO DECK ABOVE.
- SEE REFLECTED CEILING PLANS FOR SCOPE OF CEILING WORK.
- WHERE GYP. BOARD PARTITIONS ABUT CMU/BRICK/CONC., INSTALL DEFLECTION BEADS, PAINT WITH WALL.
- EXISTING WALLS TO REMAIN, TYP. (SHOWN SHADED)
- PATCH CONCRETE FLOOR SYSTEM AT ALL AREAS WHERE PREVIOUS WALLS HAVE BEEN REMOVED.
- SEE CODE PLANS FOR FIRE RATED SEPARATIONS.
- PATCH WALLS TO MATCH AT ALL LOCATIONS WHERE DUCTWORK/PIPING/CONDUIT HAS BEEN REMOVED AND EXISTING WALL REMAINS. SEE MEP DWGS. FOR LOCATIONS.
- INSTALL GYPSUM BOARD CONTROL JOINTS FROM THE CORNER OF EACH DOOR JAMB TO TOP OF WALL BOTH SIDES.
- PAINT ALL HOLLOW METAL FRAMES 'WELL BRED BROWN' SW 7027.

SYMBOLS LEGEND:

- EXISTING WALL TO REMAIN
- - - 1 HR FIRE BARRIER WALL W/ TOP OF WALL CLOSURE
- - - 2 HR FIRE BARRIER WALL W/ TOP OF WALL CLOSURE
- FEC: CABINET MOUNTED FIRE EXTINGUISHER
- FE: WALL MOUNTED FIRE EXTINGUISHER

EQUIPMENT LEGEND:

- RS ROLLER SHADE
- TV TV MONITOR (PROVIDED BY OWNER)
- SC MANUAL PULL DOWN SCREEN (FURNISHED BY OWNER, INSTALLED BY GEN. CONTRACTOR)
- MB MARKER BOARD (OWNER FURNISHED, INSTALLED BY GEN. CONTRACTOR)
- CAM VIDEO CAMERA (PROVIDED BY OWNER)
- GCJ GYPSUM BOARD CONTROL JOINT
- FSD FOAM SOAP DISPENSER
- CUPD CUP DISPENSER
- PTD PAPER TOWEL DISPENSER

REMODEL KEY NOTES:

- △ NEW BASE CABINETS W/ P/LAM COUNTERTOPS.
- △ NEW P/LAM WALL CABINETS.
- △ RELOCATE EXISTING SINK, SEE PLUMBING.
- △ REINSTALL EXISTING RANGE AT NEW LOCATION.
- △ NEW DOOR & FRAME IN EXISTING OPENING, GEN. CONTRACTOR SHALL FIELD VERIFY OPENING SIZE.
- △ NEW FOLDING PANEL PARTITION.
- △ INSTALL NEW 4X8 QUARRY TILE TO MATCH EXISTING. PREPARE FLOOR AS REQ'D TO MEET MANUF. & TCNA STANDARDS. INSTALL TILE OVER MORTAR BED & INSTALL POLYMER MODIFIED GROUT AT JOINTS.
- △ NEW CARPET TILE FLOOR.
- △ PAINT ALL WALLS IN ROOM, COLOR SHALL BE MACADAMIA SW 6142 U.N.O.
- △ PAINT WALL ACCENT COLOR SAGUARO SW 6419.
- △ EXISTING CONCRETE TO REMAIN.
- △ SEE ELECTRICAL FOR WORK ON EQUIPMENT.
- △ NEW DOOR IN EXISTING FRAME.
- △ RESURFACE EXISTING INFILL PANEL WITH ARCHITECTURAL OVERLAY, BOTH SIDES.
- △ VINYL WALL BASE - MANNINGTON COLOR TOFFEE 921
- △ OWNER PROVIDED FURNISHINGS, SEE ELECTRICAL SHEETS FOR SPECIAL POWER/DATA.



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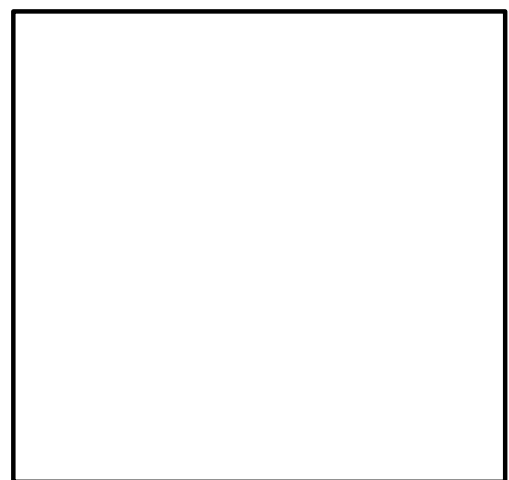
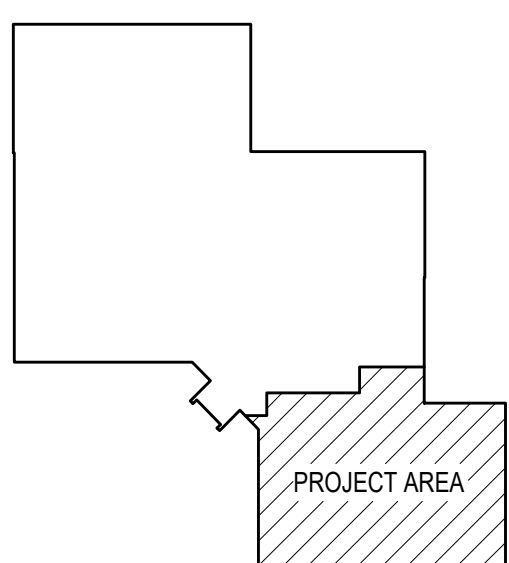
WITC - BALSAM LAKE CAMPUS
BALSAM LAKE INTERIOR REMODEL
Project Location: 400 Polk County Plaza
Balsam Lake, Wisconsin 54810
PLUMBING PLANS

Project Title:
Project Number:
Project Date:
Drawn By:

17063-11

June 28, 2018

Key Plan:



Revisions:		
No.	Description	Date
1	ADDENDUM #1	07/11/18

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Last Update:

P101R

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	MANUFACTURER	MODEL	MOUNT	ROUGH-IN SCHEDULE			FITTINGS AND REMARKS
					COLD	HOT	WASTE	
S-1	DOUBLE COMPARTMENT SINK	ELKAY	DLR-3322-3	COUNTER	1/2"	(2) 1/2"	(2) 1/2"	PROVIDE CHICAGO 786-GNBAE28VKKABCP FAUCET, MCGUIRE 8812 P-TRAP, MCGUIRE 151A STRAINER AND MCGUIRE H215SCCLX STOPS. PROVIDE ADDITIONAL HW AND SANITARY ROUGH IN TO SERVE DISHWASHER.

PLUMBING ABBREVIATIONS

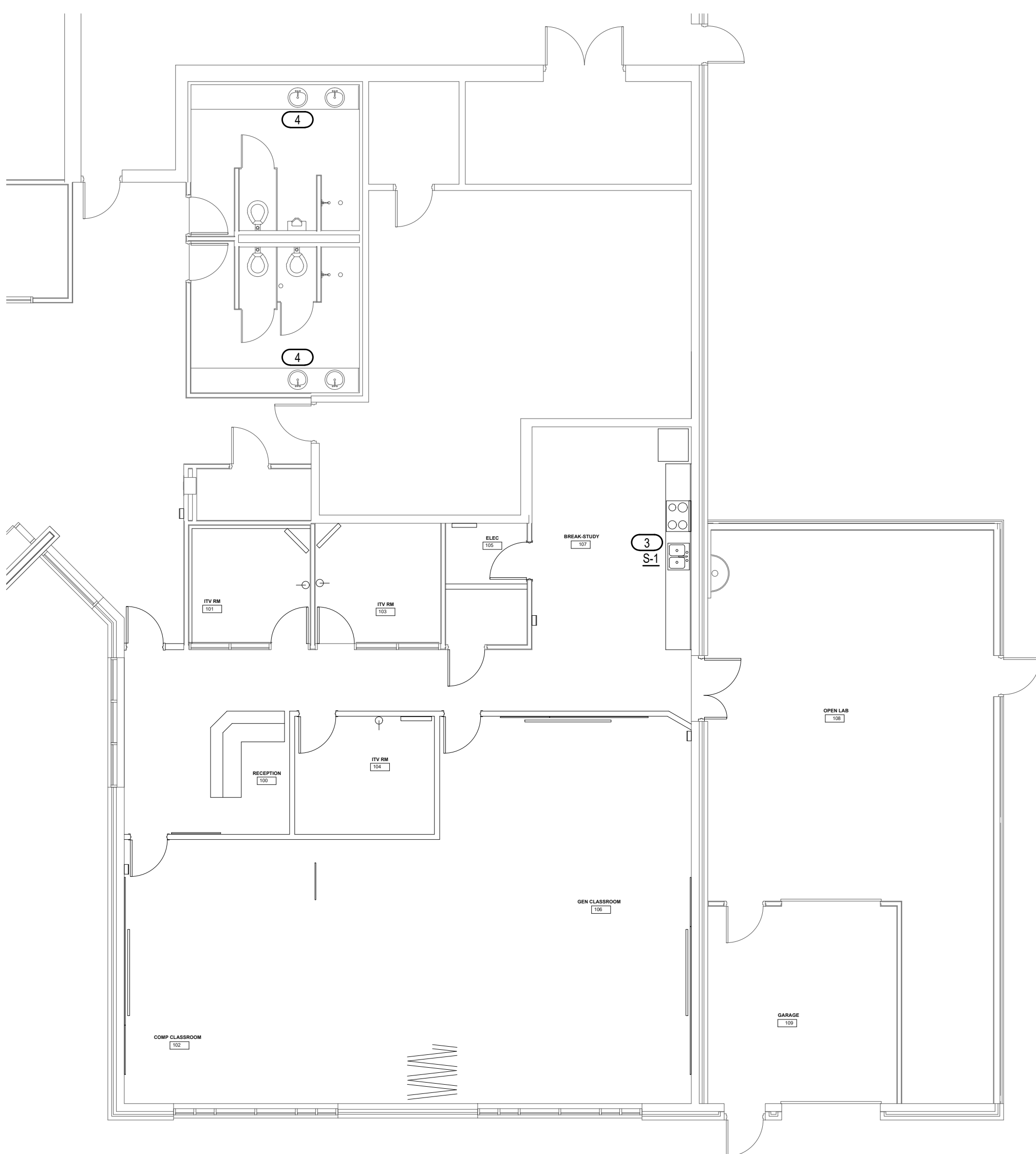
110°	110 DEGREE HOT WATER	HW	HOT WATER
140°	140 DEGREE HOT WATER	HWR	HOT WATER RETURN
AG	ABOVE GRADE	KS	KITCHEN SINK
ADD	ADDENDUM	L	LAVATORY
ADDL	ADDITIONAL	MC	MECHANICAL CONTRACTOR
ADJ	ADJUSTABLE	MECH	MECHANICAL
AFB	ABOVE FINISH FLOOR	MIN	MINIMUM
AFG	ABOVE FINISH GRADE	MS	MOP SINK
ALT	ALTERNATE	NG	NATURAL GAS
BG	BELOW GRADE	NTS	NOT TO SCALE
CO	CLEANOUT	NPCW	NON POTABLE COLD WATER
CW	COLD WATER	PC	PLUMBING CONTRACTOR
DN	DOWN	PLBG	PLUMBING
EC	ELECTRICAL CONTRACTOR	PRES	PRESSURE
EQ	EQUAL	QTY	QUANTITY
ES	EQUIPMENT SUPPLIER	S	SINK
F	FURNACE	SAN	SANITARY
FCO	FLOOR CLEANOUT	SCH	SCHEDULE
FCW	FILTERED COLD WATER	SPEC	SPECIFICATIONS
FD	FLOOR DRAIN	SS	STAINLESS STEEL
FLR	FLOOR	TEMP	TEMPERATURE
FP	FIRE PROTECTION	TYP	TYPICAL
FS	FLOOR SINK	UH	UNIT HEATER
FT	FOOT (FEET)	V	VENT
GAL	GALLON	VTR	VENT THRU ROOF
GC	GENERAL CONTRACTOR	WI	WITH
GI	GREASE INTERCEPTOR	WCO	WALL CLEANOUT
GPM	GALLONS PER MINUTE	WC	WATER CLOSET
GW	GREASE WASTE	WH	WATER HEATER

GENERAL PLUMBING NOTES

- THESE DRAWINGS SHALL NOT BE SCALED. SEE ARCHITECTURAL/CIVIL DRAWINGS FOR DIMENSIONAL INFORMATION. THIS ENGINEER WILL NOT BE LIABLE FOR MISCALCULATED PRODUCT TAKE-OFFS DUE TO SCALING OF DRAWINGS.
- VENT PIPING SHOWN ON FLOOR PLANS IS DIAGRAMMATIC EXCEPT FOR VENT THRU ROOF (VTR) LOCATIONS.
- VALVES AND FITTINGS SHALL BE OF SAME SIZE AS THE LINE ON WHICH THEY ARE LOCATED, UNLESS OTHERWISE INDICATED ON DRAWINGS.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES.
- CONTRACTOR SHALL FIELD VERIFY ALL GIVEN MEASUREMENTS PRIOR TO LAYING AND CONNECTING ALL SANITARY AND WASTE PIPING AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING FIRE RATING AND WEATHERPROOFING INTEGRITY OF ALL PIPING AND PENETRATIONS.
- ALL WATER SUPPLY AND SANITARY LINES SHALL BE RUN AS CLOSE TO PLANS AS POSSIBLE WITH NO CHANGES IN SIZING.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY SUPPORTING DEVICES FOR ALL FIXTURES INCLUDED IN CONTRACT OR HEREIN SPECIFIED OR OTHERWISE.
- CONTRACTOR SHALL GIVE FIVE DAY NOTICE IN WRITING TO, AND RECEIVE WRITTEN APPROVAL, FROM THE BUILDING ADMINISTRATOR (OR HIS/HER REPRESENTATIVE) PRIOR TO SHUT DOWN OF ANY SYSTEM OR DISRUPTION OF SERVICE TO ANY AREA. CONTRACTOR SHALL ALSO COORDINATE THE EXACT LOCATION AND TIMING OF SYSTEM(S) SHUTDOWN POINTS WITH THE OWNER REPRESENTATIVE (I.E. ENGINEERING DEPARTMENT). CONTRACTOR SHALL MAKE EVERY EFFORT POSSIBLE TO MINIMIZE THE DURATION OF ANY DOWNTIME OR DISRUPTION PERIOD.
- ROUTE ALL PIPING CONCEALED ABOVE CEILINGS, WITHIN WALLS, OR IN CHASES. PIPING EXPOSED SHALL BE SLOPED AND PAINTED TO MATCH ARCHITECTURAL FINISHES. PIPING IN MECHANICAL ROOMS MAY BE EXPOSED.
- PROVIDE ACCESS PANELS TO ALL VALVES WITHIN CHASES OR ABOVE INACCESSIBLE CEILINGS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
- CONTRACTOR SHALL ROUGH-IN ALL WASTES AND SUPPLIES TO SPECIAL EQUIPMENT ACCORDING TO MANUFACTURER'S SHOP DRAWINGS AND MAKE FINAL CONNECTIONS. ALL SUPPLIES SHALL BE VALVED. INSTALL VACUUM BREAKERS WHERE REQUIRED BY CODE.
- COORDINATE EXACT LOCATION OF FLOOR DRAINS FOR HVAC EQUIPMENT WITH MECHANICAL CONTRACTOR.
- DO NOT PENETRATE WALL FOOTINGS WITH PIPING. COORDINATE WITH GENERAL CONTRACTOR TO DROP FOOTINGS AS REQUIRED TO CLEAR PLUMBING SERVICES WHERE ABSOLUTELY NECESSARY. ALL PIPING PENETRATING A BEARING WALL OR FOOTING MUST BE SLEEVED AND LOCATION APPROVED BY STRUCTURAL ENGINEER. PROVIDE LINK-SEALS IN ALL PENETRATIONS OF EXTERIOR WALLS.
- ALL PIPING SHALL BE INSTALLED AS HIGH AS POSSIBLE IN PROVIDED CEILING SPACE.
- COORDINATE PIPING INSTALLATION AS TO NOT INTERFERE WITH HVAC EQUIPMENT ACCESS.
- COORDINATE EXTENTS OF ALTERNATE BIDS WITH ARCHITECT.

KEYED NOTES

- REMOVE EXISTING SINK AND ASSOCIATED PIPING. CAP PIPING BACK TO MAIN AND BELOW FLOOR.
- REMOVE EXISTING SINK. PIPING SHALL REMAIN FOR NEW FIXTURE.
- USE EXISTING PIPING IN WALL TO SERVE NEW FIXTURE.
- REPLACE EXISTING FAUCET ON LAVATORY WITH SLOAN EAF-150-ISM-IC FAUCET, ETF-608-A TRIM PLATE AND W/ ETF-470-A CHECK STOPS. ALSO PROVIDE TRUBRO TRAP WRAP.

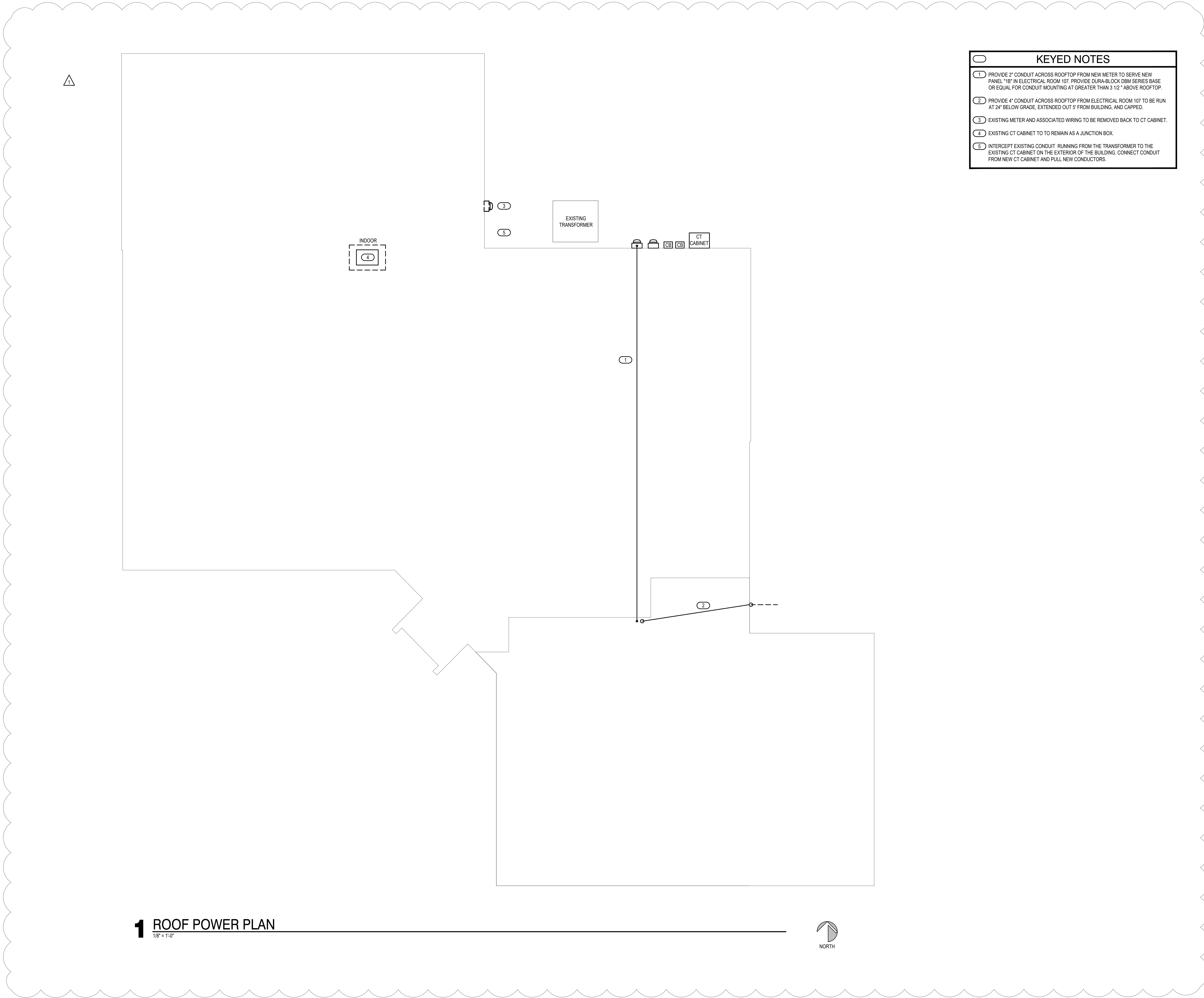


2 PLUMBING PLAN
1/8" = 1'-0"



1 PLUMBING DEMOLITION PLAN
1/8" = 1'-0"





- KEYED NOTES
- 1

PROVIDE 2" CONDUIT ACROSS ROOFTOP FROM NEW METER TO SERVE NEW PANEL 108" IN ELECTRICAL ROOM 107. PROVIDE DURA-BLOCK DBM SERIES BASE OR EQUAL FOR CONDUIT MOUNTING AT GREATER THAN 3 1/2" ABOVE ROOFTOP.
- 2

PROVIDE 4" CONDUIT ACROSS ROOFTOP FROM ELECTRICAL ROOM 107 TO BE RUN AT 24" BELOW GRADE, EXTENDED OUT 5' FROM BUILDING, AND CAPPED.
- 3

EXISTING METER AND ASSOCIATED WIRING TO BE REMOVED BACK TO CT CABINET.
- 4

EXISTING CT CABINET TO TO REMAIN AS A JUNCTION BOX.
- 5

INTERCEPT EXISTING CONDUIT, RUNNING FROM THE TRANSFORMER TO THE EXISTING CT CABINET ON THE EXTERIOR OF THE BUILDING. CONNECT CONDUIT FROM NEW CT CABINET AND PULL NEW CONDUCTORS.

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



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Project Title:
**WITC - BALSAM LAKE CAMPUS
BALSAM LAKE INTERIOR REMODEL**

Project Location:
**400 Polk County Plaza
Balsam Lake, Wisconsin 54810**

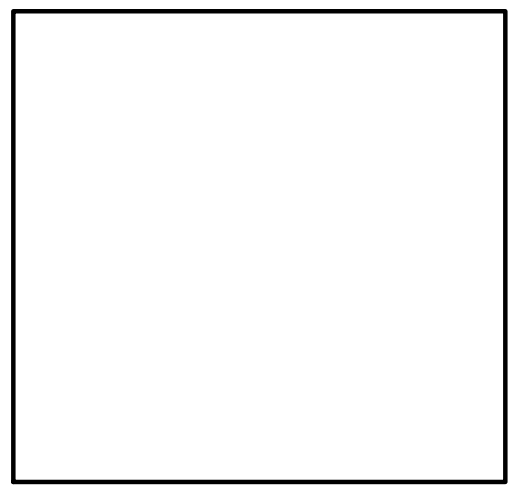
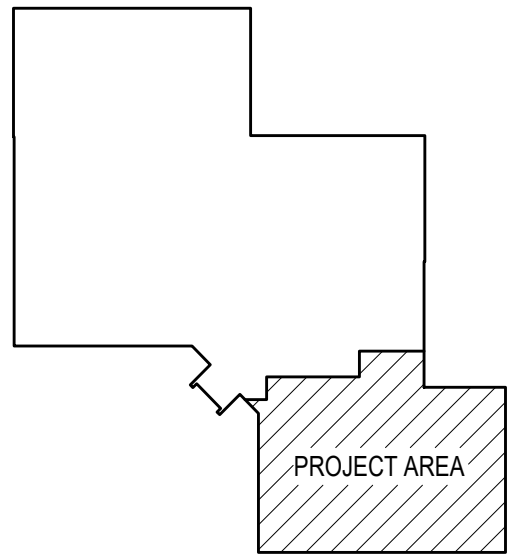
Sheet Title:
ELECTRICAL - ROOF POWER PLAN

HSR Project Number:
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Project Date:
June 28, 2018

Drawn By:
JCN

Key Plan:



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WITC - BALSAM LAKE CAMPUS
BALSAM LAKE INTERIOR REMODEL

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ELECTRICAL - SCHEDULES

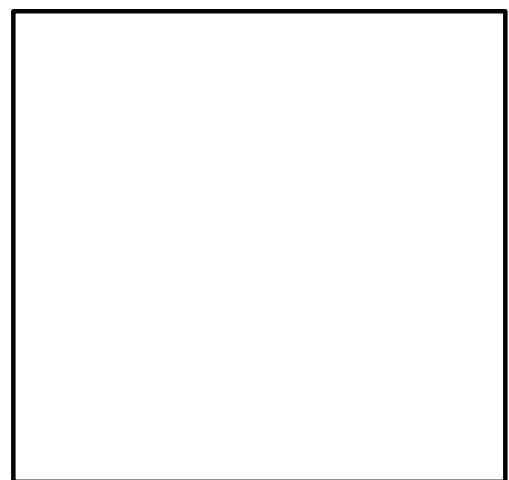
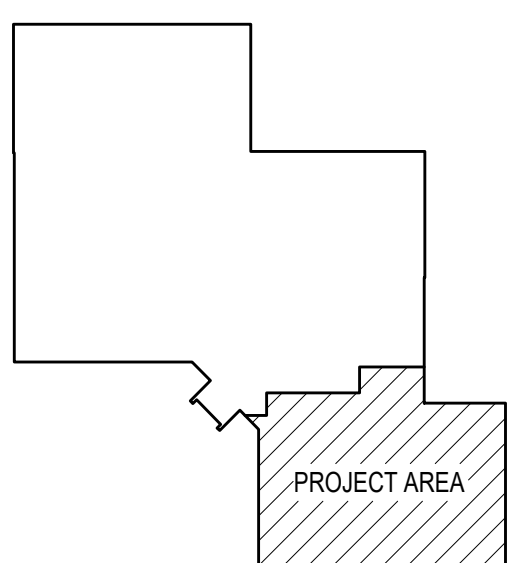
Project Title:

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17063-11

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JCN

Key Plan:



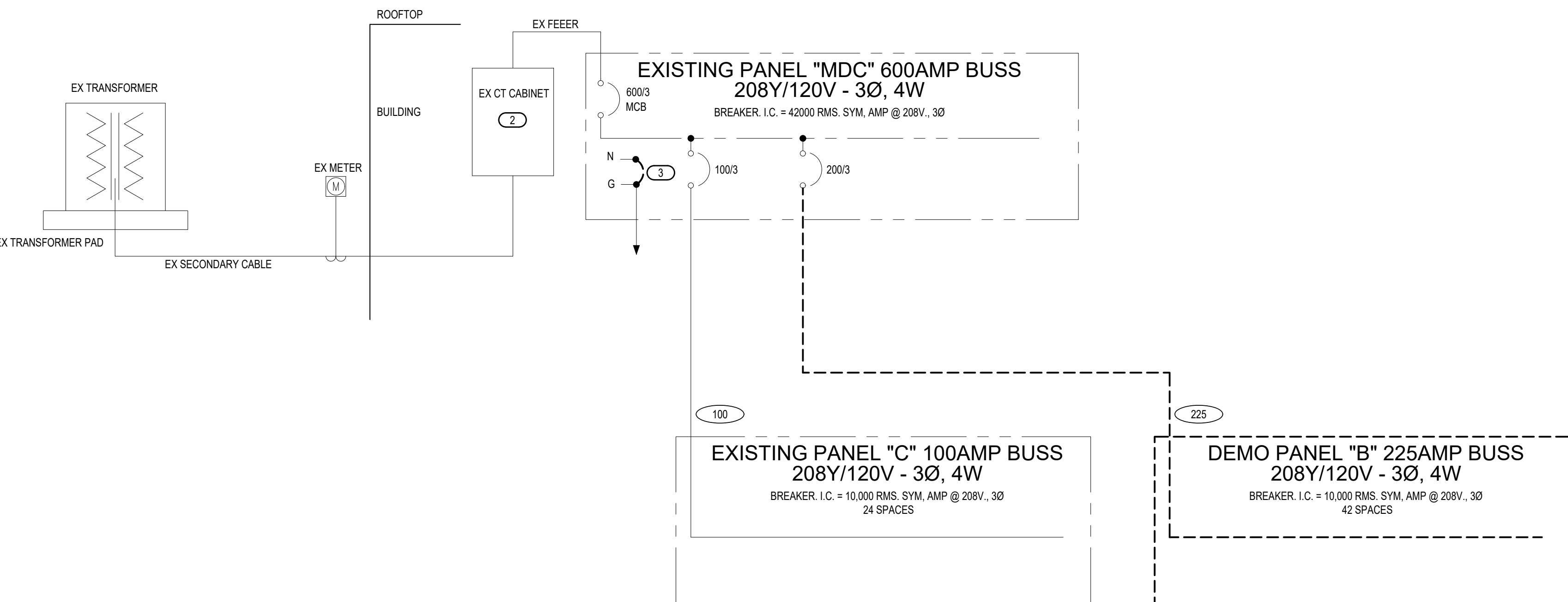
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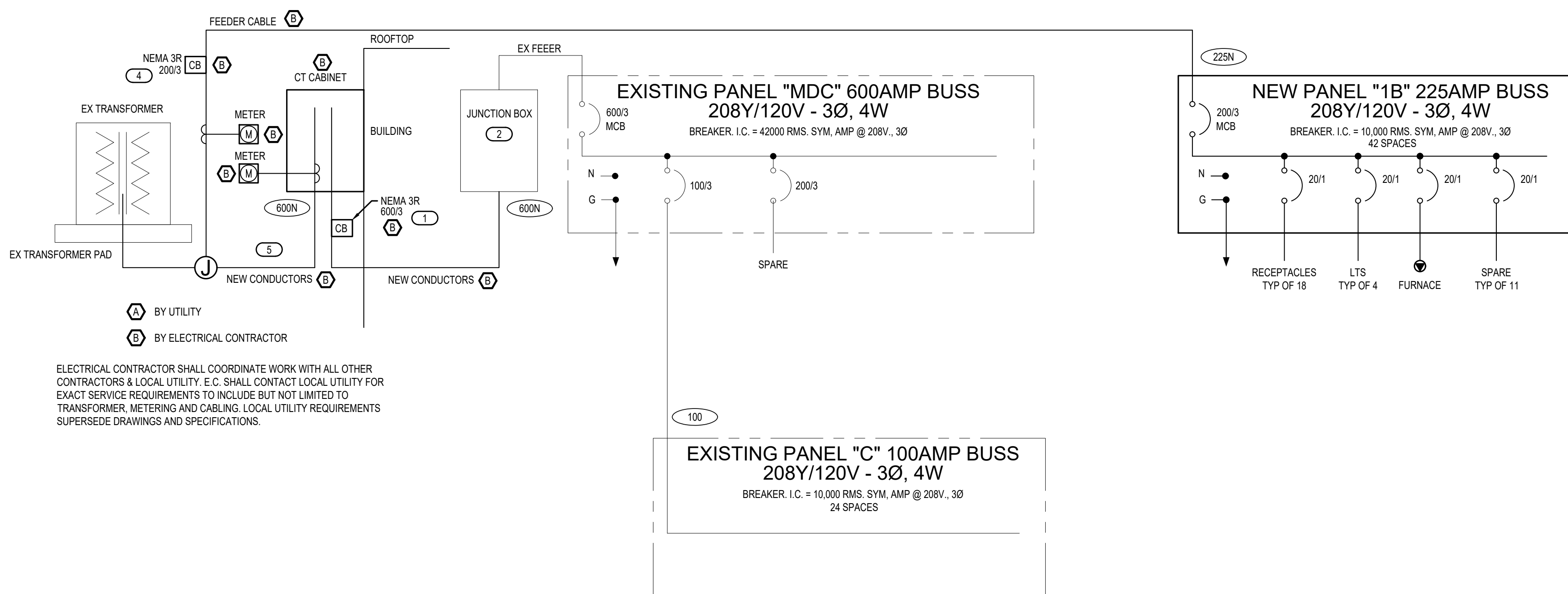
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1



1 EXISTING RISER DIAGRAM

NO SCALE



2 RISER DIAGRAM

NO SCALE

KEYED NOTES	
1	PROVIDE 20 AWG CU GROUNDING ELECTRODE TAP PER 250.64(D)(1) TO NEW GROUNDING ELECTRODE CONDUCTOR.
2	EXISTING CT CABINET TO REMAIN AS A JUNCTION BOX.
3	REMOVE NEUTRAL TO GROUND BOND.
4	PROVIDE #8 AWG CU GROUNDING ELECTRODE TAP PER 250.64(D)(1) TO NEW GROUNDING ELECTRODE CONDUCTOR.
5	PROVIDE 20 AWG CU GROUNDING ELECTRODE CONDUCTOR, CONNECT GROUNDING ELECTRODE TAP CONDUCTORS PER 250.64(D)(1).

FEEDER SCHEDULE			
AMPS	CONDUIT SIZE	PHASE CONDUCTORS	EQUIPMENT GROUND CONDUCTOR
20	3/4"	#12	#12
25	3/4"	#10	#10
30	3/4"	#10	#10
35	1"	#8	#10
40	1"	#8	#10
45	1"	#8	#10
50	1"	#8	#10
60	1 1/4"	#4	#10
70	1 1/4"	#4	#8
80	1 1/4"	#3	#8
90	1 1/2"	#2	#8
100	2"	#1	#8
110	1 1/2"	#2	#8
125	2"	#1	#8
150	2"	#1/0	#8
175	2"	#2/0	#8
200	2"	#3/0	#8
225	2 1/2"	#4/0	#4
250	3"	250 kcmil	#4
300	3"	350 kcmil	#4
400	(2) 3"	2 SETS OF #3/0	#3
600	(2) 3"	2 SETS OF #3/0	#1
1000	(3) 3 1/2"	3 SETS OF 500 kcmil	#2/0
1200	(4) 3"	4 SETS OF 500 kcmil	#3/0

NOTES:
1. FEEDER SIZES ARE ON THE PLAN WHERE 60 REFERS TO A 60A FEEDER WITHOUT NEUTRAL AND 60N REFERS TO A 60A FEEDER WITH NEUTRAL.
2. SOME FEEDER SIZES DO NOT MATCH BREAKER SIZE DUE TO UP-SIZING OF THE FEEDER FOR VOLTAGE DROP.
3. CONDUITS ARE SIZED PER NEC TABLES FOR THINWALL AND MAY BE UPSIZED FOR EASE OF PULLING OR DOWNSIZED AS ALLOWED PER NEC FOR CONDUIT TYPE(S) BEING INSTALLED.
4. ALL CONDUCTORS 100A AND LESS ARE SIZED PER 90 DEGREE LUGS, EC MAY SIZE CONDUCTORS FOR ACTUAL RATING OF LUGS PER NEC.

PANELBOARD:		PANEL 1B		PANEL SOURCE:			METER	
MAX AMPACITY	250	VOLTS	120/208	PHASE	3	FEED THRU LUGS	NO	
BUSBAR MATERIAL	40	WIRING	2	LOAD FED				
W/O AMP	250	SUBCIRCUIT	X	LARGEST MOTOR FLA				
MCB AMP		RECEIVED	10000					
LOAD TO BE								
NO.	#	AMP	A	B	C	AMP	#	
RECEPT ROOM 100	1	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	2	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	3	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	4	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	5	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	6	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	7	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	8	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	9	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	10	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	11	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	12	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	13	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	14	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	15	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	16	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	17	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	18	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	19	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	20	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	21	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	22	200	1.000	1.000	1.000	300	2	
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RECEPT ROOM 100	29	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	30	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	31	200	1.000	1.000	1.000	300	2	
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RECEPT ROOM 100	33	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	34	200	1.000	1.000	1.000	300	2	
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RECEPT ROOM 100	36	200	1.000	1.000	1.000	300	2	
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RECEPT ROOM 100	108	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	109	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	110	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	111	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	112	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	113	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	114	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	115	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	116	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	117	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	118	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	119	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	120	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	121	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	122	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	123	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	124	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	125	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	126	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	127	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	128	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	129	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	130	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	131	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	132	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	133	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	134	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	135	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	136	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	137	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	138	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	139	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	140	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	141	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	142	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	143	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	144	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	145	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	146	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	147	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	148	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	149	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	150	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	151	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	152	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	153	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	154	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	155	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	156	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	157	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	158	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	159	200	1.000	1.000	1.000	300	2	
RECEPT ROOM 100	160	200	1.000	1.000	1.000	300</		