

WESTERN TECHNICAL COLLEGE KUMM CENTER STUDENT UNION REMODEL 400 6TH ST N LA CROSSE, WI 54601



Consultant:

25041

FEBRUARY 2026

CD

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PROJECT TEAM

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INTERIOR DESIGN

- ID101 FINISH FLOOR PLAN
- ID600 MASTER COLOR SCHEDULE

FIRE PROTECTION

- FP101 FIRE PROTECTION PLAN

WESTERN TECHNICAL COLLEGE
KUMM CENTER STUDENT UNION REMODEL

COVER SHEET

Project Title:

HSR Project Number:
25041

Project Date:
FEBRUARY 2026

Drawn By:
AF

Key Plan:

No.	Description	Date

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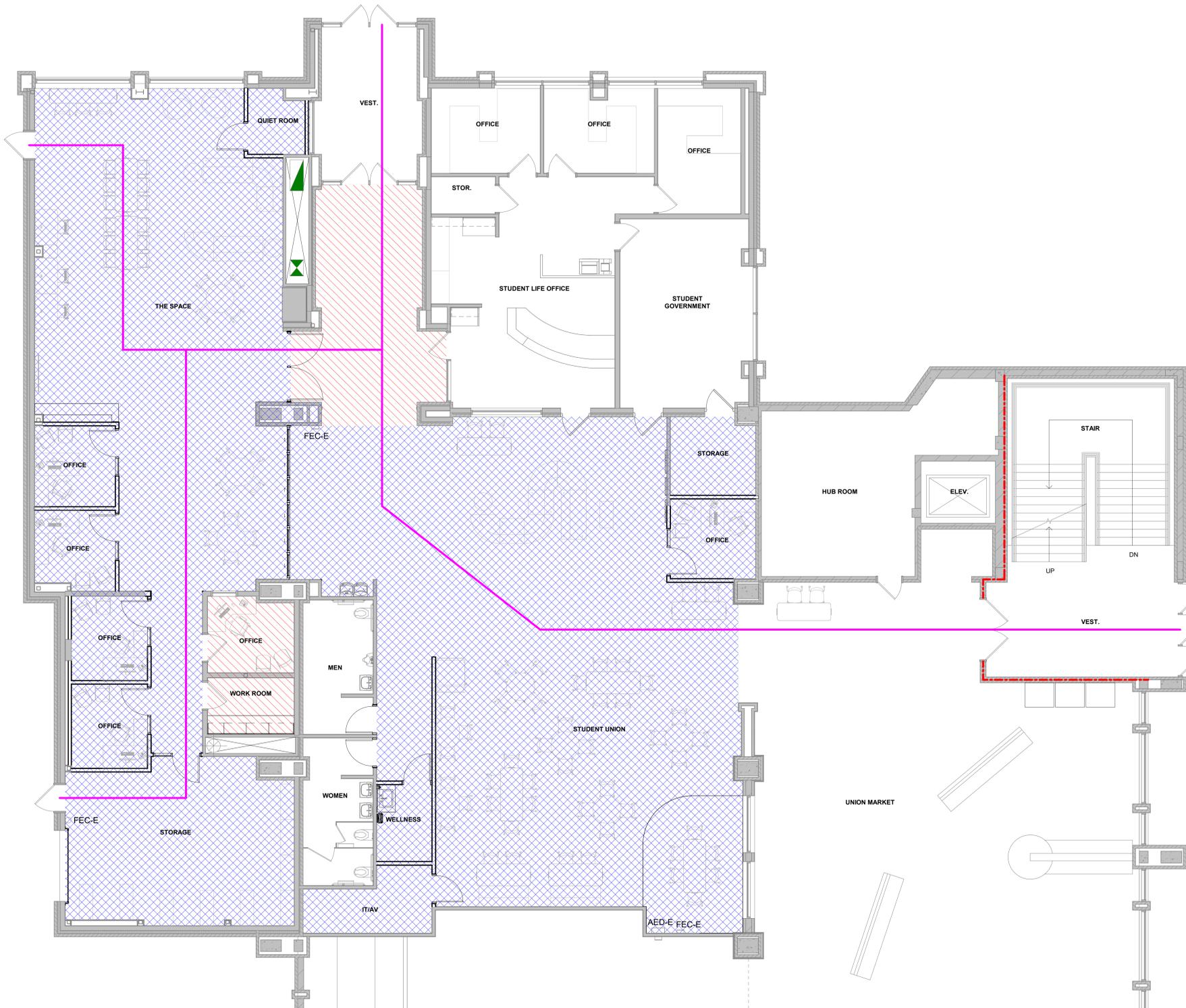
PROJECT LOCATION:
400 6TH ST N
LA CROSSE, WI 54601



CITY MAP
SITE LOCATION MAP



G000



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



CODE DATA: IBC 2021 WITH WISCONSIN AMENDMENTS

BUILDING OCCUPANCY:	B - BUSINESS A-2 & A-3 ASSEMBLY
TYPE OF CONSTRUCTION:	IB, FULLY SPRINKLED
NO. OF STORIES:	EXISTING 4 STORIES W/ BASEMENT
EXIT DISTANCE:	250' ALLOWED
AGGREGATE EXIT WIDTH:	91" ALLOWED 394" PROVIDED
OCCUPANCY LOAD:	EXISTING FIRST FLOOR 644 OCC. NEW FIRST FLOOR 605 OCC.
LEVEL 1 ALTERATION:	510 SF / 22,820 SF = 2%
LEVEL 2 ALTERATION:	4,890 SF / 22,820 SF = 21%
ADDITIONAL PROJECT SPECIFIC DATA:	

CODE DATA LEGEND:

	1 HOUR RATED WALL
	PATH OF TRAVEL
	FIRE EXTINGUISHER - EXISTING
	AUTOMATIC EXTERNAL DEFIBRILLATOR - EXISTING

CODE DATA NOTES:



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Consultant:

Project Title: **WESTERN TECHNICAL COLLEGE
KUMM CENTER STUDENT UNION REMODEL**

Project Location: 400 6th St N
La Crosse WI 54601

Sheet Title: **LIFE SAFETY PLAN**

HSR Project Number: **25041**
Project Date: **FEBRUARY 2026**
Drawn By: **HSR**

Key Plan:

Revisions:

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G001



Consultant:

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

HSR Project Number:
25041

Project Date:
FEBRUARY 2026

Drawn By:
HSR

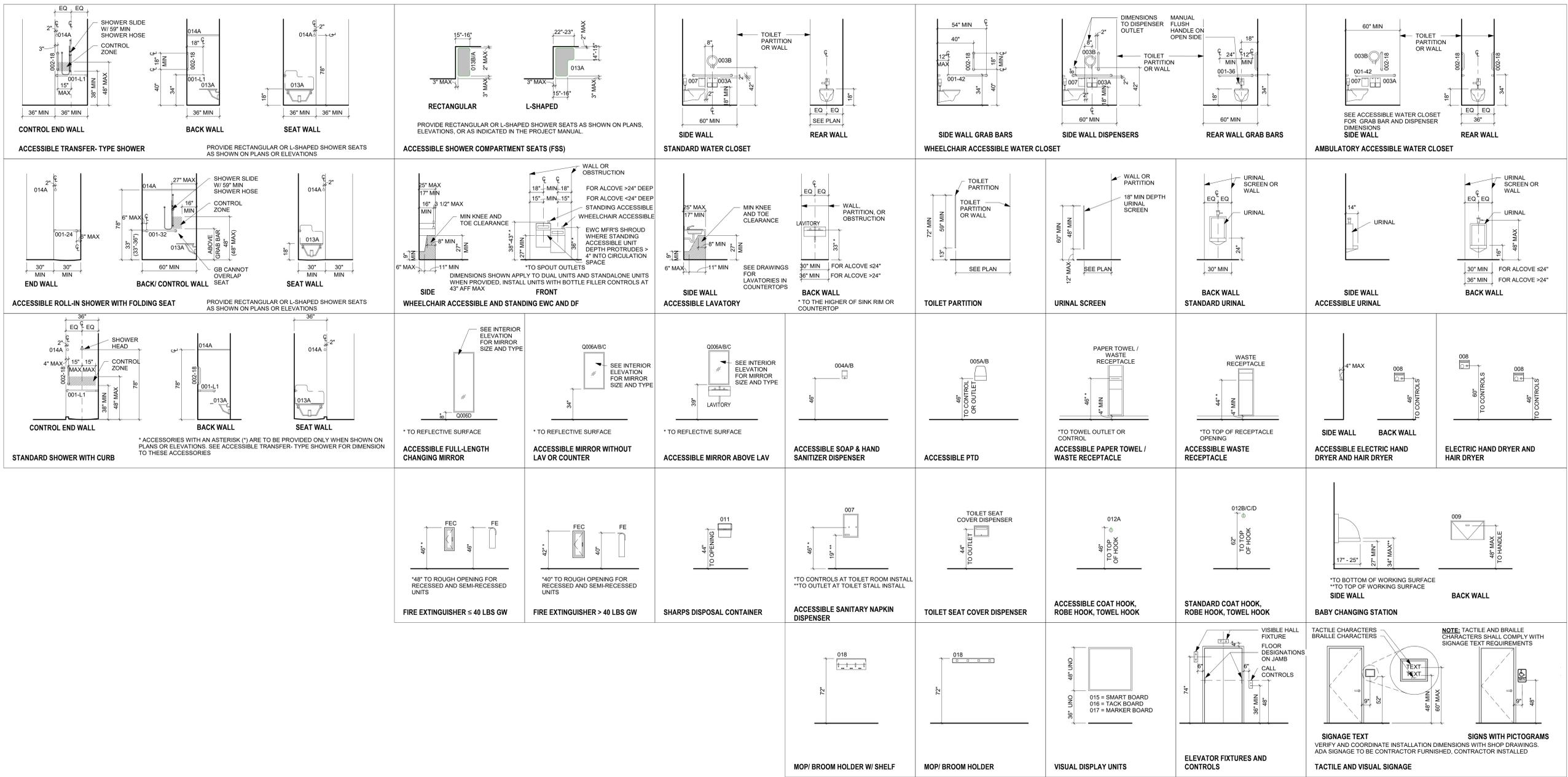
Key Plan:

Revisions:		
No.	Description	Date

Graphic Scale:
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G002



ACCESSORIES GENERAL NOTES:

- NOT ALL ACCESSORIES REFERENCED ON SHEET G002 ARE INCLUDED IN THIS PROJECT. SEE ENLARGED FLOOR PLANS / ELEVATION SHEETS FOR ACCESSORIES LOCATIONS / LAYOUT.
- ALL ACCESSORIES TO BE PROVIDED AND INSTALLED BY CONTRACTOR, UNLESS NOTED OTHERWISE.
- CONFIRM EXACT LOCATION OF EACH ACCESSORY WITH OWNER PRIOR TO INSTALLATION.
- SURFACE MOUNTED ACCESSORIES SHALL BE INSTALLED OVER WALL TILE.
- OFCS = OWNER FURNISHED; CONTRACTOR INSTALLED. BASIS OF DESIGN MODEL PROVIDED BY OWNER; VERIFIED FOR PLACEMENT COORDINATION.
- PROVIDE INSULATION WRAP AT EXPOSED PIPING AT SINKS WHERE NO OTHER PROTECTION IS PROVIDED.

MOUNTING GENERAL NOTES:

- ACCESSIBLE ITEMS MUST MOUNT ACCORDING TO THIS SHEET. OTHER ITEMS SHALL MOUNT AS INDICATED. UNO DIMENSIONS ARE TO THE FACE OF FINISH MATERIALS AND NOT TO SUBSTRATES.
- DIMENSIONS ARE BASED ON COMPLIANCE WITH THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN, ICCANSI A117.1, OR OTHER APPLICABLE CODES AND REGULATIONS. CONSTRUCTION INSTALLATION TOLERANCES AS DEFINED IN THE PROJECT MANUAL ARE INTENDED TO BE ACCOMMODATED WITH THE DIMENSIONS INDICATED.
- MINIMUM AND MAXIMUM NOTATIONS:
 - WHERE A DIMENSION IS NOTED AS A MINIMUM (MIN) OR MAXIMUM (MAX), THE DIMENSION MUST BE VERIFIED AND COORDINATED WITH THE SHOP DRAWINGS SO THAT THE ITEM DIMENSIONED WILL BE INSTALLED ACCORDING TO THE DIMENSIONS INDICATED.
 - MINIMUM AND MAXIMUM DIMENSIONS ARE ABSOLUTE WITH NO TOLERANCE BEYOND THE DIMENSION INDICATED.



Consultant:

DEMOLITION GENERAL NOTES:

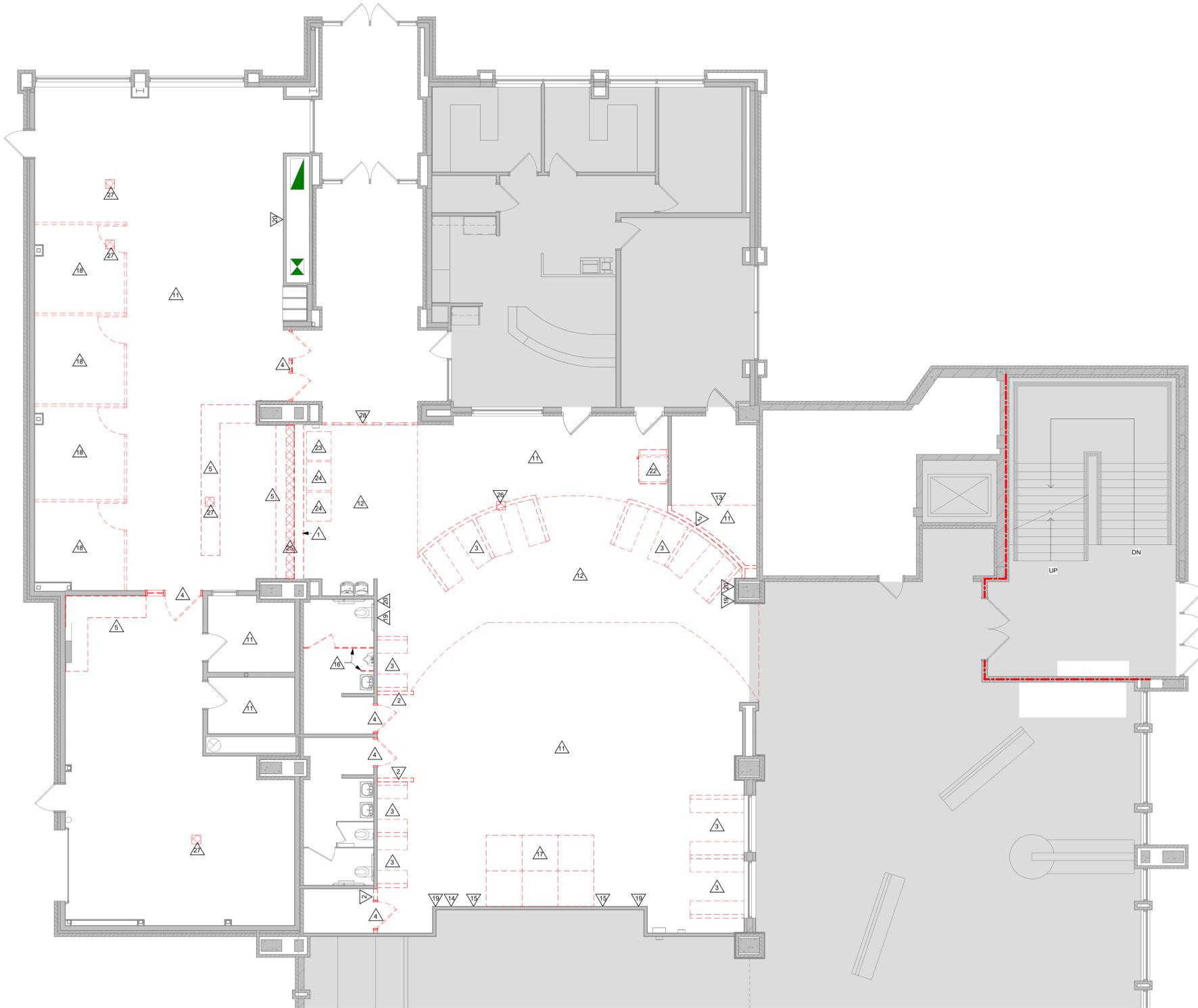
- A. ALL ITEMS SHOWN DASHED ON DEMOLITION PLANS SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE NOTED. REFERENCE MEP DRAWINGS FOR APPLICABLE EQUIPMENT REMOVALS AND MODIFICATIONS. COORDINATE PATCHING AT EQUIPMENT REMOVALS.
- B. AT WALL TYPES/MATERIALS, PREPARATION FOR NEW FINISHES SHALL INCLUDE, BUT NOT BE LIMITED TO REMOVAL OF EXISTING FINISHES, TAPES, GLUES/MASTIC, NAILS AND RELATED ITEMS. PATCHING OF HOLES, INDENTATIONS AND CRACKS FOR AN ACCEPTABLE SURFACE FOR NEW FINISH INSTALLATION.
- C. OWNER WILL REMOVE LOOSE FURNISHINGS AND EQUIPMENT FROM THE WORK AREA PRIOR TO START OF CONSTRUCTION.
- D. MAINTAIN ALL EXIT DOORS AND CORRIDORS IN UNOBSTRUCTED OPERABLE CONDITION WITH SAFE PASSAGE AWAY FROM THE BUILDING.
- E. ROOM NUMBERS ARE SHOWN ON THIS PLAN FOR INFORMATIONAL AND COORDINATION PURPOSES ONLY.
- F. COORDINATE STORAGE LOCATIONS FOR SALVAGED ITEMS WITH OWNER.
- G. PROVIDE FLOOR PROTECTION AS SPECIFIED AT DEBRIS REMOVAL PATHS THROUGH BUILDING.

DEMOLITION PLAN LEGEND:

- SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET
- REMOVE ITEMS NOTED WITH DASHED LINES
- SYMBOL INDICATES REMOVAL OF DOOR AND FRAME UNLESS NOTED OTHERWISE

KEY NOTES DEMOLITION

- 1 REMOVE MASONRY WALL TO EXISTING B.O. STONE - 12'-0" +/- AFF.
- 2 REMOVE STUD PARTITION
- 3 REMOVE STUD PARTITION AND BOOTHS
- 4 REMOVE DOOR AND FRAME, INCLUDING SIDELIGHT AND TRANSOM WINDOW WHERE APPLICABLE. ALL LOCKSETS TO BE SALVAGED BACK TO OWNER.
- 5 REMOVE CASEWORK AND COUNTERTOP
- 6 REMOVE ACT CEILING
- 7 REMOVE WOOD TILE CEILING
- 8 REMOVE GYP BD BULKHEAD, CEILING, AND FRAMING
- 9 REMOVE LINEAR METAL CEILING
- 10 MODIFY EXISTING CEILING GRID AND TILES AS REQUIRED FOR NEW LAYOUT.
- 11 REMOVE OPT FLOORING
- 12 REMOVE LVT FLOORING
- 13 MODIFY EXISTING FLOORING AS REQUIRED FOR NEW LAYOUT.
- 14 REMOVE TRIM, SHELVING, AND BUILT-IN CASEWORK - PATCH AND PAINT. SEE 61410.
- 15 REMOVE ELECTRICAL COVER PLATE - PATCH AND PAINT. SEE 61410.
- 16 REMOVE RESTROOM STALL PARTITIONS. PATCH AND REPAIR ALL PREVIOUS POINTS OF CONNECTION.
- 17 PORTABLE STAGE TO BE REMOVED AND SALVAGED BY OWNER.
- 18 PORTABLE FURNITURE PARTITIONS TO BE REMOVED AND SALVAGED BY OWNER.
- 19 EXISTING SPEAKER TO BE REMOVED AND REINSTALLED BY OWNER.
- 20 EXISTING WALL-MOUNTED MONITOR TO BE REMOVED AND REINSTALLED BY OWNER.
- 21 EXISTING PROJECTOR TO BE REMOVED AND REINSTALLED BY OWNER.
- 22 EXISTING FURNITURE PHONE BOOTH TO BE REMOVED AND REINSTALLED BY OWNER.
- 23 EXISTING ATM TO BE REMOVED AND REINSTALLED BY OWNER.
- 24 EXISTING VENDING TO BE REMOVED AND REINSTALLED BY OWNER.
- 25 SAW CUT FLOOR FOR NEW FOLDING PARTITION FLOOR TRACK.
- 26 SAW CUT FLOOR AT EXISTING CONDUIT FOR NEW FLOOR OUTLET - SEE ELECTRICAL.
- 27 AT TERRAZZO: CORE DRILL FLOOR NEW FLOOR OUTLET - SEE ELECTRICAL.
- 28 GRIND TERRAZZO EDGE FOR SMOOTH ELEVATION CHANGE UNDER NEW FLOOR FINISH.



1 DEMOLITION PLAN
3/16" = 1'-0"



WESTERN TECHNICAL COLLEGE
KUMM CENTER STUDENT UNION REMODEL

Project Location: 400 6th St N
La Crosse WI 54601
Sheet Title: DEMOLITION PLAN

Project Title:
HSR Project Number: 25041
Project Date: FEBRUARY 2026
Drawn By: HSR

Key Plan:

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A090



Consultant:

DEMOLITION GENERAL NOTES:

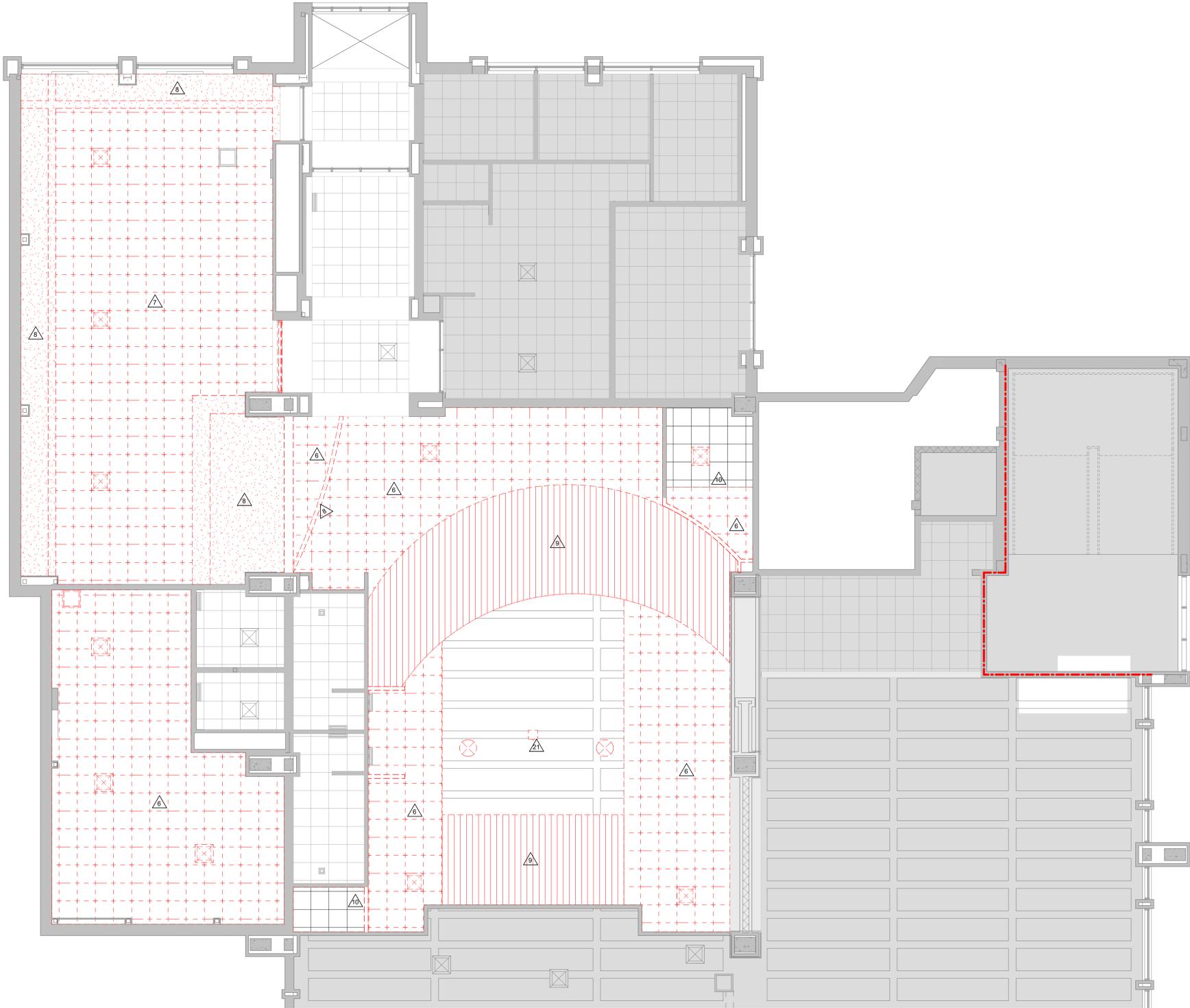
- A. ALL ITEMS SHOWN DASHED ON DEMOLITION PLANS SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE NOTED. REFERENCE MEP DRAWINGS FOR APPLICABLE EQUIPMENT REMOVALS AND MODIFICATIONS. COORDINATE PATCHING AT EQUIPMENT REMOVALS.
- B. AT WALL TYPES/MATERIALS, PREPARATION FOR NEW FINISHES SHALL INCLUDE, BUT NOT BE LIMITED TO REMOVAL OF EXISTING FINISHES, TAPES, GLUES/MASTIC, NAILS AND RELATED ITEMS. PATCHING OF HOLES, INDENTATIONS AND CRACKS FOR AN ACCEPTABLE SURFACE FOR NEW FINISH INSTALLATION.
- C. OWNER WILL REMOVE LOOSE FURNISHINGS AND EQUIPMENT FROM THE WORK AREA PRIOR TO START OF CONSTRUCTION.
- D. MAINTAIN ALL EXIT DOORS AND CORRIDORS IN UNOBSTRUCTED OPERABLE CONDITION WITH SAFE PASSAGE AWAY FROM THE BUILDING.
- E. ROOM NUMBERS ARE SHOWN ON THIS PLAN FOR INFORMATIONAL AND COORDINATION PURPOSES ONLY.
- F. COORDINATE STORAGE LOCATIONS FOR SALVAGED ITEMS WITH OWNER.
- G. PROVIDE FLOOR PROTECTION AS SPECIFIED AT DEBRIS REMOVAL PATHS THROUGH BUILDING.

DEMOLITION PLAN LEGEND:

- SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET
- REMOVE ITEMS NOTED WITH DASHED LINES
- SYMBOL INDICATES REMOVAL OF DOOR AND FRAME UNLESS NOTED OTHERWISE

KEY NOTES DEMOLITION

- 1 REMOVE MASONRY WALL TO EXISTING B.O. STONE - 12'-0" +/- AFF.
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- 15 REMOVE ELECTRICAL COVER PLATE - PATCH AND PAINT. SEE 614400.
- 16 REMOVE RESTROOM STALL PARTITIONS. PATCH AND REPAIR ALL PREVIOUS POINTS OF CONNECTION.
- 17 PORTABLE STAGE TO BE REMOVED AND SALVAGED BY OWNER.
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- 25 SAW CUT FLOOR FOR NEW FOLDING PARTITION FLOOR TRACK.
- 26 SAW CUT FLOOR AT EXISTING CONDUIT FOR NEW FLOOR OUTLET - SEE ELECTRICAL.
- 27 AT TERMINAL, CORE DRILL FLOOR NEW FLOOR OUTLET - SEE ELECTRICAL.
- 28 GRIND TERRAZZO EDGE FOR SMOOTH ELEVATION CHANGE UNDER NEW FLOOR FINISH.



1 REFLECTED CEILING PLAN
3/16" = 1'-0"



WESTERN TECHNICAL COLLEGE
KUMM CENTER STUDENT UNION REMODEL
 Project Location: 400 6th St N
 La Crosse WI 54601
 Sheet Title: **DEMOLITION REFLECTED CEILING PLAN**

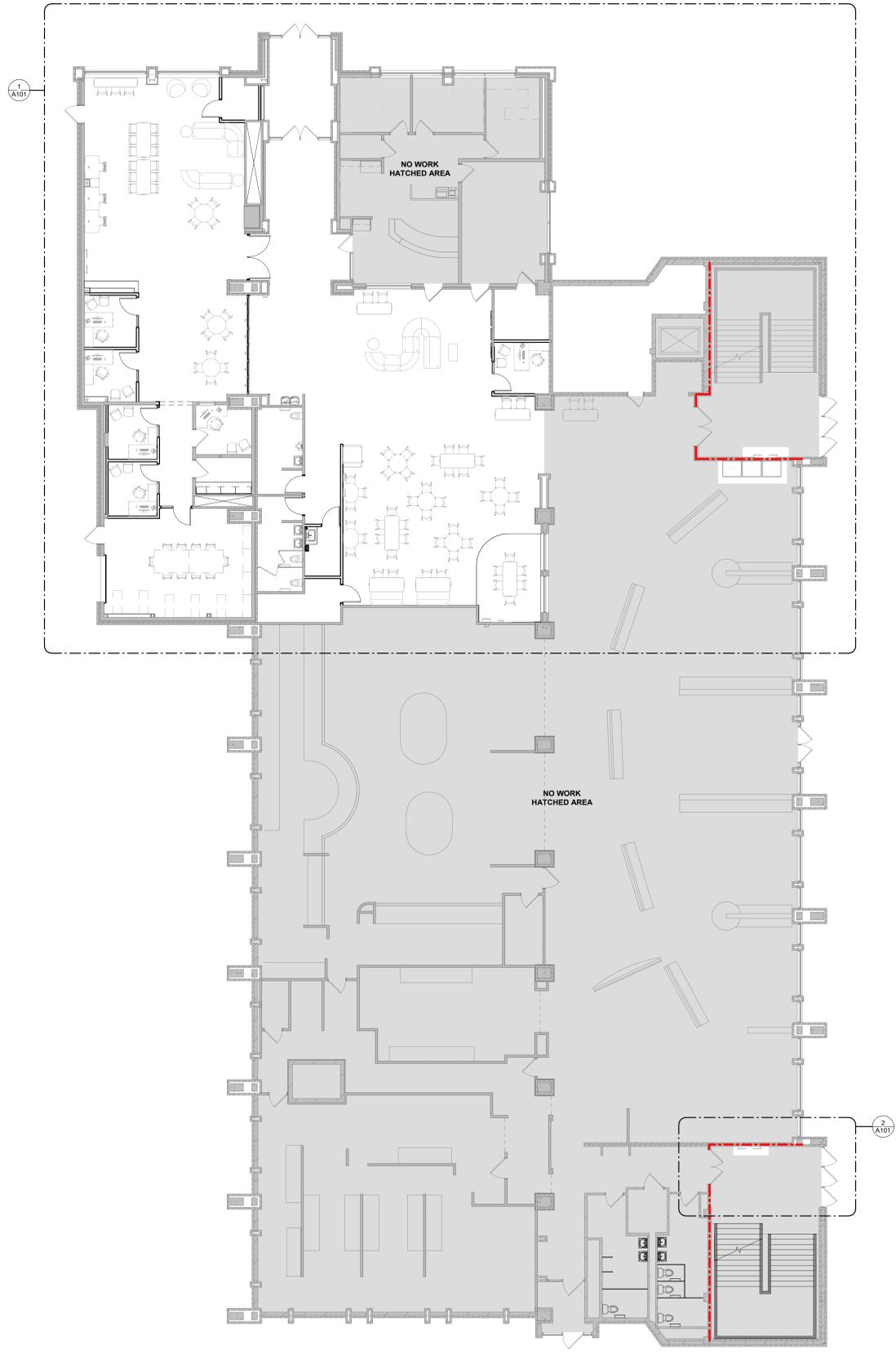
Project Title:
 HSR Project Number: **25041**
 Project Date: **FEBRUARY 2026**
 Drawn By: **HSR**

Key Plan:

No.	Description	Date

Graphic Scale:
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A091



1 OVERALL FLOOR PLAN

1" = 10'-0"



- PLAN GENERAL NOTES:**
- A. REFER TO G101 FOR FIRE RATING LOCATIONS AND ACCESSIBILITY ROUTES.
 - B. SEE ID SHEETS FOR FLOOR AND WALL FINISH LAYOUTS.
 - C. LOOSE FURNISHINGS EXCEPT AS NOTED SHALL BE PROVIDED AND INSTALLED BY THE OWNER.
 - D. FIXED EQUIPMENT IS SHOWN ON THIS PLAN FOR COORDINATION. SEE SHEETS A400 FOR ALL EQUIPMENT NOTES.
 - E. PAINT ALL EXPOSED STEEL LINTELS.
 - F. EXTEND ALL WALLS TO DECK UNLESS NOTED OTHERWISE.
 - G. SEE STRUCTURAL FOR SLAB CONTROL JOINTS.
 - H. VERIFY EXACT SIZE AND LOCATION OF ALL MECHANICAL / PLUMB AND ELEC OPENINGS - GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINISH AT ALL VISIBLE AREAS. ALL OPENING SHALL BE SEALED AFTER UTILITY INSTALLATION.

- PLAN LEGEND:**
- (A) SYMBOL INDICATES WALL TYPE - SEE SHEET A400 FOR WALL TYPE DETAILS.
 - (A) SYMBOL INDICATES WINDOW TYPE - SEE SHEET A400 FOR WINDOW FRAME ELEVATIONS.
 - (A) SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET
 - [Red dashed line] 1 HOUR WALL

KEY NOTES PLAN

1	ADD OPACQUE FILM TO EXISTING WINDOW - SEE MASTER COLOR SCHEDULE
2	INFILL OPENING AT BUILT-IN W/ D4 WALL TYPE - SEE #A400
3	DESKTOP COMPUTER - NIC
4	PRINTER - NIC
5	WALL MOUNTED MONITOR - NIC
6	EXISTING WALL MOUNTED MONITOR TO REMAIN
7	ATM - NIC
8	VENDING MACHINE - NIC
9	FURNITURE PHONE BOOTH - NIC



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Consultant:

WESTERN TECHNICAL COLLEGE
KUMM CENTER STUDENT UNION REMODEL
 Project Title: **OVERALL FLOOR PLAN**
 Project Location: 400 6th St N
 La Crosse WI 54601
 Sheet Title:

HSR Project Number: **25041**
 Project Date: **FEBRUARY 2026**
 Drawn By: **HSR**

Key Plan:

Revisions:

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A100



Consultant:

PLAN GENERAL NOTES:

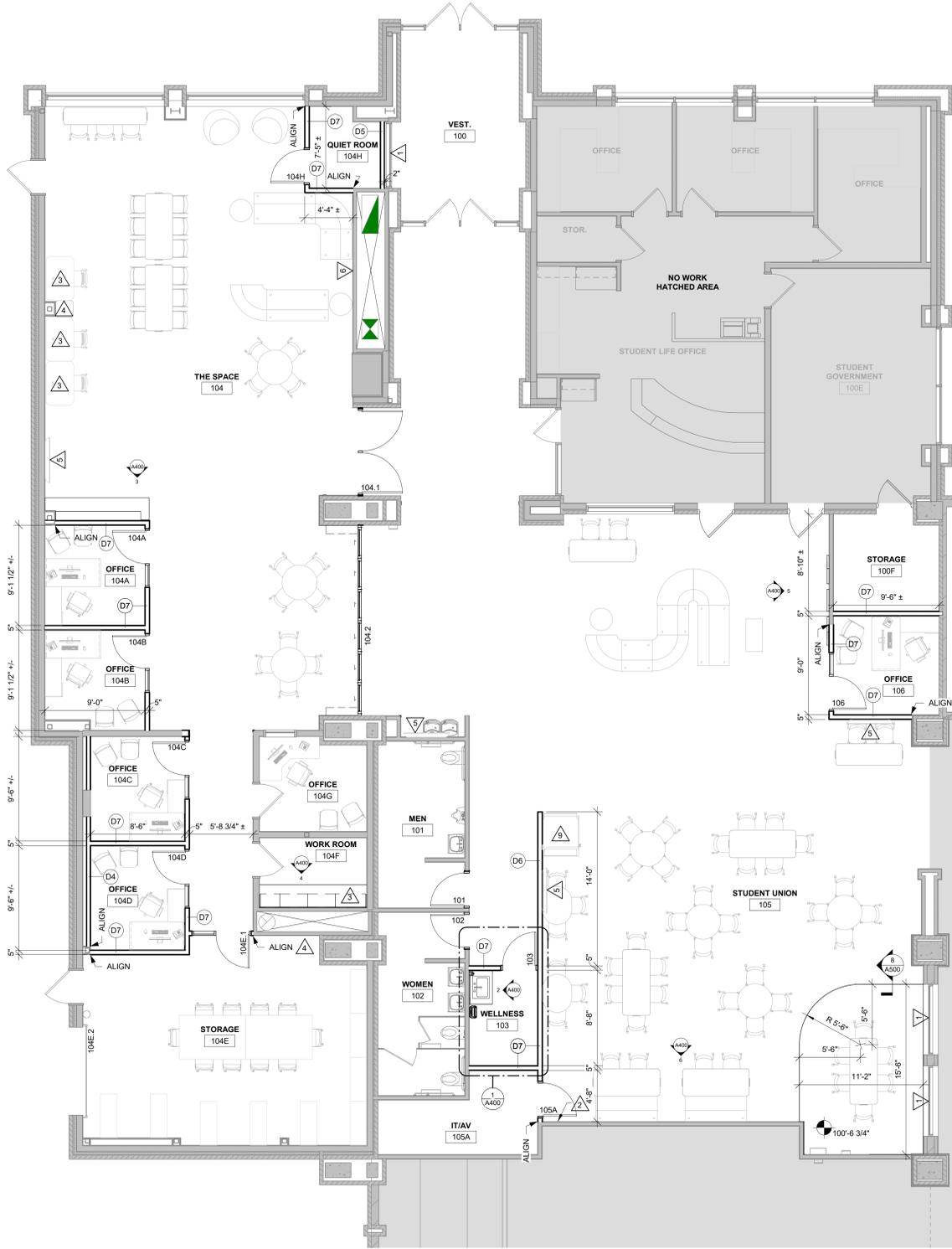
- A. REFER TO G001 FOR FIRE RATING LOCATIONS AND ACCESSIBILITY ROUTES.
- B. SEE ID SHEETS FOR FLOOR AND WALL FINISH LAYOUTS.
- C. LOOSE FURNISHINGS EXCEPT AS NOTED SHALL BE PROVIDED AND INSTALLED BY THE OWNER.
- D. FIXED EQUIPMENT IS SHOWN ON THIS PLAN FOR COORDINATION. SEE SHEETS A400 FOR ALL EQUIPMENT NOTES.
- E. PAINT ALL EXPOSED STEEL LINTELS.
- F. EXTEND ALL WALLS TO DECK UNLESS NOTED OTHERWISE.
- G. SEE STRUCTURAL FOR SLAB CONTROL JOINTS.
- H. VERIFY EXACT SIZE AND LOCATION OF ALL MECHANICAL / PLUMB AND ELEC OPENINGS - GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINISH AT ALL VISIBLE AREAS. ALL OPENING SHALL BE SEALED AFTER UTILITY INSTALLATION.

PLAN LEGEND:

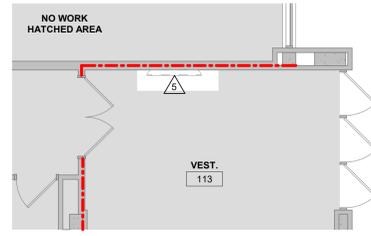
- (A) SYMBOL INDICATES WALL TYPE - SEE SHEET A400 FOR WALL TYPE DETAILS.
- (A) SYMBOL INDICATES WINDOW TYPE - SEE SHEET A400 FOR WINDOW FRAME ELEVATIONS.
- (A) SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET
- 1 HOUR WALL

KEY NOTES PLAN

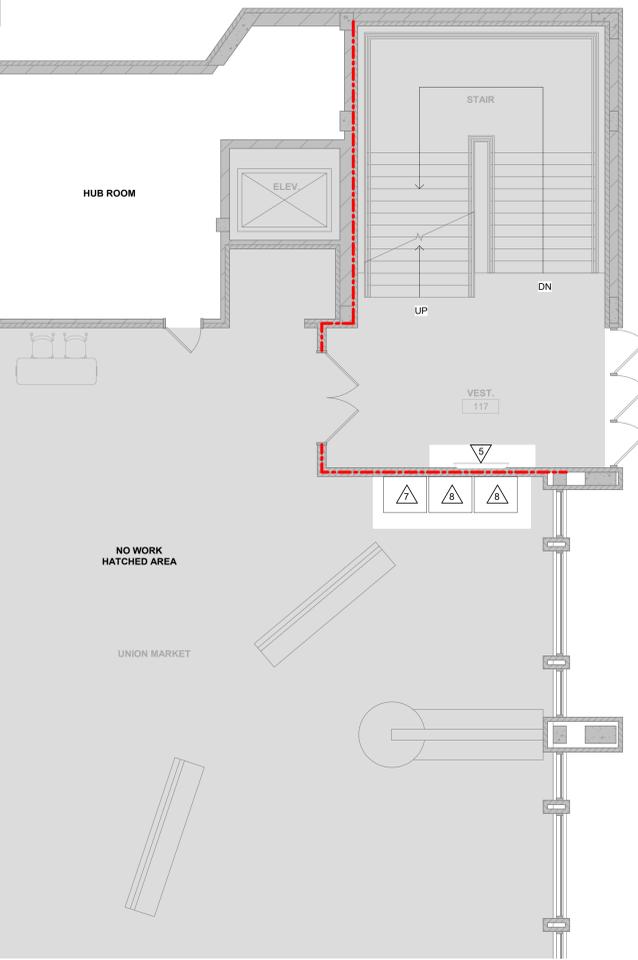
- 1 ADD SPAGUE FILM TO EXISTING WINDOW - SEE MASTER COLOR SCHEDULE
- 2 INFILL OPENING AT BUILT-IN W/ D4 WALL TYPE - SEE BIA400
- 3 DESKTOP COMPUTER - NIC
- 4 PRINTER - NIC
- 5 WALL MOUNTED MONITOR - NIC
- 6 EXISTING WALL MOUNTED MONITOR TO REMAIN
- 7 ATM - NIC
- 8 VENDING MACHINE - NIC
- 9 FURNITURE PHONE BOOTH - NIC



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



2 SW VESTIBULE
3/16" = 1'-0"



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

WESTERN TECHNICAL COLLEGE
KUMM CENTER STUDENT UNION REMODEL

Project Number: 25041
Project Date: FEBRUARY 2026
Drawn By: HSR

Key Plan:

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A101

Project Title: WESTERN TECHNICAL COLLEGE
KUMM CENTER STUDENT UNION REMODEL
Project Location: 400 6th St N
La Crosse WI 54601
Sheet Title: REMODEL PLAN



Consultant:

WESTERN TECHNICAL COLLEGE
KUMM CENTER STUDENT UNION REMODEL
Project Location: 400 6th St N
La Crosse WI 54601
Sheet Title: REFLECTED CEILING PLAN

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

HSR Project Number: 25041
Project Date: FEBRUARY 2026
Drawn By: HSR

Revisions:

No.	Description	Date

Graphic Scale:
VARIES

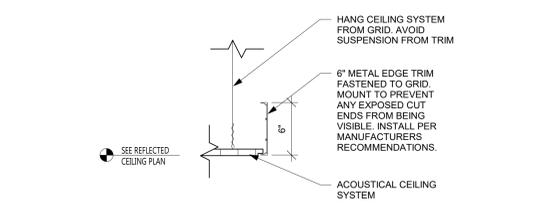
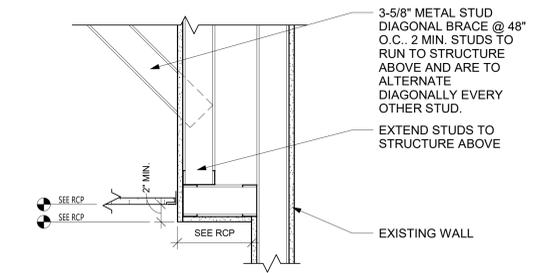
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A110

- RCP GENERAL NOTES:**
- REFER TO MECHANICAL AND PLUMBING CEILING ACCESS PANEL LOCATIONS & SIZES.
 - SEE MECHANICAL FOR CEILING GRILLE INFORMATION.
 - SEE ELECTRICAL FOR LIGHTING TYPES.
 - ALL INTERIOR PARTITIONS TO EXTEND TO BOTTOM OF DECK UNLESS OTHERWISE NOTED. CLOSE DECK FLUTES AT TOP OF WALL WITH NEOPRENE FILLER OR FIRESTOPPING SYSTEM. IN GYPSUM PARTITIONS SEE SPECIFICATION FOR LEVEL OF FINISH ABOVE FINISHED CEILING.
 - ALL REMAINING ANNULAR SPACE AROUND ITEMS PENETRATING WALLS SHALL BE NEATLY SEALED. PENETRATIONS OF FIRE RATED WALLS SHALL BE FIRESTOPPED WITH THE SAME AS THE WALL.
 - WHERE NO CEILING EXPOSED STRUCTURE UNLESS NOTED OTHERWISE, CONTRACTOR SHALL KEEP ALL MEP ABOVE OR EVEN WITH THE LEVEL OF THE LIGHTS. MEP SHALL RUN IN NEAT ORDERLY APPEARANCE GENERALLY PARALLEL OR PERPENDICULAR TO FINISHED STRUCTURE WALLS IN THESE ROOMS TO RUN TO DECK AND ALL STRUCTURE / MEP COMPONENTS ARE TO BE PAINTED.
 - REFER TO INTERIOR DESIGN SHEETS FOR OTHER FINISHES.
 - HANGERS AND SUPPORTS: MECHANICAL, PLUMBING, ELECTRICAL AND OTHER CABLING CONTRACTORS SHALL NOT HANG OR SUPPORT THE WORK FROM THE ROOF DECK IN ANY FASHION. CONDUIT RUNS SHALL NOT BE LAID ON ROOF DECK NOR LAID ON THE STRUCTURAL SUPPORT THAT SUPPORTS THE ROOF DECK. NO FASTENERS SHALL PENETRATE ROOF DECK BY ANY TRADE OTHER THAN THE ROOFING CONTRACTOR FOR THE NEW ROOF SYSTEM.
 - CONFIRM EXACT LOCATION OF OVERHEAD PROJECTORS AND OTHER CEILING MOUNTED EQUIPMENT WITH OWNER / MANUFACTURER PRIOR TO INSTALLATION. SEE EQUIPMENT PLANS FOR ADDITIONAL EQUIPMENT.
 - CEILING TYPES INSTALLED AS NOTED ON PLANS. SEE SPECIFICATIONS FOR ADDITIONAL SYSTEM INFORMATION. ACT-2-REGULAR CEILING.

- RCP LEGEND:**
- LIGHT FIXTURE - SEE ELECTRICAL
 - SUPPLY - SEE MECHANICAL
 - RETURN - SEE MECHANICAL
 - EXHAUST - SEE MECHANICAL

- KEY NOTES RCP**
- MODIFY EXISTING GRID AND TILES AS REQUIRED FOR NEW LAYOUT
 - PREPARE GYPSUM SOFFIT TO RECEIVE OFCI GRAPHIC.
 - PLAID SUSPENDED ACOUSTICAL CEILING BAFFLE GRID. INSTALL PER MANUFACTURERS RECOMMENDATION. EXPOSED CEILING, DUCTS, PIPING, AND CONDUIT ABOVE TO BE PAINTED PNT-5.
 - GYPSUM BOARD SOFFIT TO BE PAINTED PNT-1. SEE ID.
 - VERTICAL EDGE OF GYPSUM BOARD SOFFIT AND HORIZONTAL BAND OF 1'-0" FROM EDGE TO BE PAINTED PNT-2. SEE ID.
 - VERTICAL EDGE OF GYPSUM BOARD SOFFIT AND HORIZONTAL BAND OF 1'-0" FROM EDGE TO BE PAINTED PNT-3. SEE ID.
 - VERTICAL EDGE OF GYPSUM BOARD SOFFIT AND HORIZONTAL BAND OF 1'-0" FROM EDGE TO BE PAINTED PNT-4. SEE ID.
 - SALVAGED PROJECTOR REINSTALLED BY OWNER



1 REFLECTED CEILING PLAN
3/16" = 1'-0"

2 GYPSUM BOARD SOFFIT
1 1/2" = 1'-0"

3 ACT TRIM DETAIL
1 1/2" = 1'-0"

ACCESSORIES GENERAL NOTES:

- NOT ALL ACCESSORIES REFERENCED ON SHEET 0002 ARE INCLUDED IN THIS PROJECT. SEE ENLARGED FLOOR PLANS / ELEVATION SHEETS FOR ACCESSORIES LOCATIONS / LAYOUT.
- ALL ACCESSORIES TO BE PROVIDED AND INSTALLED BY CONTRACTOR, UNLESS NOTED OTHERWISE.
- CONFIRM EXACT LOCATION OF EACH ACCESSORY WITH OWNER PRIOR TO INSTALLATION.
- SURFACE MOUNTED ACCESSORIES SHALL BE INSTALLED OVER WALL TILE.
- OFCI = OWNER FURNISHED, CONTRACTOR INSTALLED, BASIS OF DESIGN MODEL PROVIDED BY OWNER, VERIFIED FOR PLACEMENT COORDINATION.
- PROVIDE INSULATION WRAP AT EXPOSED PIPING AT SINKS WHERE NO OTHER PROTECTION IS PROVIDED.

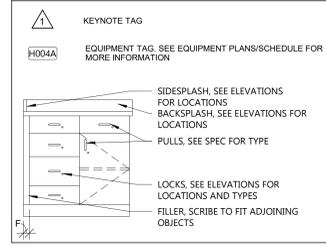
ACCESSORY SCHEDULE

MARK	ITEM	OFCI	OFCI	OFCI	OFCI	HEIGHT A.F.F.	COMMENTS
004	SOAP DISPENSER AUTOMATIC		X				SEE MOUNTING HEIGHTS DRAWINGS
005	PAPER TOWEL DISPENSER FOLD		X				SEE MOUNTING HEIGHTS DRAWINGS
006	MIRROR, 24" x 36"		X				SEE MOUNTING HEIGHTS DRAWINGS

CASEWORK GENERAL NOTES:

- ALL CABINET LOCKS SHALL BE KEYPED ALIKE.
- CASEWORK MANUFACTURER SHALL FIELD VERIFY ALL CASEWORK DIMENSIONS & CONDITIONS PRIOR TO FABRICATION OF CASEWORK.
- PROVIDE FINISHED END PANELS AT ALL KNEE SPACE, ALCOVES, AND EXPOSED CABINET ENDS.
- INSTALL 1-1/2" WOOD BLOCKING BETWEEN STUDS FOR CASEWORK MOUNTING AT TOP AND BOTTOM OF ALL WALL CABINETS AND AT TOP OF ALL BASE CABINETS.
- ALL BASE CABINET KICKS, ALCOVES, KNEE SPACE AND END PANELS SHALL RECEIVE BASE UNLESS OTHERWISE NOTED. SEE MASTER COLOR SCHEDULE FOR SIZE AND COLOR.
- SEAL EDGE OF COUNTERBACKSPLASH TO ALL WALL LOCATIONS W/ CLEAR SEALANT.
- REFER TO MASTER COLOR SCHEDULE FOR PLASTIC LAMINATE SELECTIONS. ALL PLAM COUNTERTOPS TO BE PLAM - ALL LOWER/UPPER CASEWORK TO BE PLAM - UNLESS OTHERWISE NOTED. [CONFIRM PLAM SELECTION W/ INTERIORS]
- WALL CABINETS SHALL BE 13 1/2" DEEP (CLEAR INSIDE) AND BASE CABINETS SHALL BE 24" DEEP UNLESS NOTED OTHERWISE. COUNTERTOPS TO EXTEND 1" BEYOND THE FINISHED EDGE OF BASE CABINET UNLESS NOTED OTHERWISE.
- LAMINATE GRAIN TO ALIGN VERTICALLY ON ALL CASEWORK.
- REFER TO ACCESSORY SCHEDULE ON SHEET A400.

ELEVATION LEGEND:



KEY NOTES INT. ELEVATION

- SCHEDULED BASE WB-1 - SEE ID600
- PLASTIC LAMINATE BASE CABINET, 24" DEEP PROVIDE 2 ADJUSTABLE SHELVES MIN. ON ADJUSTABLE STANDARDS. SEE ELEVATION FOR WIDTH AND HEIGHT. FINISH TO BE PLAM-1. SEE ID600.
- PLASTIC LAMINATE BASE CABINET WITH DRAWERS, 24" DEEP. SEE ELEVATION FOR WIDTH AND HEIGHT. FINISH TO BE PLAM-1. SEE ID600.
- PLASTIC LAMINATE SINK BASE CABINET WITH REMOVABLE SLOPED PANEL, 24" DEEP. SEE ELEVATION FOR WIDTH AND HEIGHT. FINISH TO BE PLAM-1. SEE ID600.
- PLASTIC LAMINATE UPPER CABINET, 18" DEEP W/ ADJUSTABLE SHELVES ON ADJUSTABLE STANDARDS. FINISH TO BE PLAM-1. SEE ID600.
- FLOATING SHELF ON BLIND BRACKETS. FINISH TO BE PLAM-1. EDGE BAND ALL EXPOSED EDGES.
- SOLID SURFACE COUNTERTOP. SEE PLANS FOR SHAPE AND SIZE. PROVIDE SQUARE. SET ON BACK AND SIDE SPLASHES AS SHOWN ON ELEVATIONS. ROUND ALL OUTSIDE CORNERS NOT DIING INTO WALLS WITH A 1" RADIUS. FINISH TO BE SS-1. SEE ID600.
- PLUMBING FIXTURE - SEE PLUMBING.
- INFILL DISPLAY CASE WITH PARTITION TO MATCH ADJACENT.
- PORTION OF WALL TO REMAIN PAINTED WITH EXISTING SPECIALTY PAINT.
- PAINT PNT-1.
- PREPARE GYPSUM WALL BOARD TO RECEIVE OFCI WALL GRAPHIC - VERIFY EXTENTS OF GRAPHICS WITH OWNER.
- OFCI WALL MOUNTED MONITOR. PROVIDE ELECTRIC AND BLOCKING NEEDS. VERIFY EXACT LAYOUT WITH OWNER PRIOR TO INSTALL. SEE ELECTRICAL.
- SIGNAGE - NIC
- EXTENTS OF DOOR SWING - MONITORS TO BE MOUNTED CLEAR OF DOOR SWINGS.
- REMOVE, PATCH AND PAINT EXISTING ELECTRICAL BOX AND COVER.
- EXISTING ELECTRICAL BOXES TO REMAIN.
- AWP-2, SEE ID600
- AWP-1, SEE ID600
- AWP-3, SEE ID600



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Consultant:

WESTERN TECHNICAL COLLEGE
KUMM CENTER STUDENT UNION REMODEL
 Project Location: 400 6th St N
 La Crosse WI 54601
 ENLARGED PLAN, INT. ELEVATIONS

Project Title: HSR Project Number: 25041

Project Date: FEBRUARY 2026

Drawn By: HSR

Key Plan:

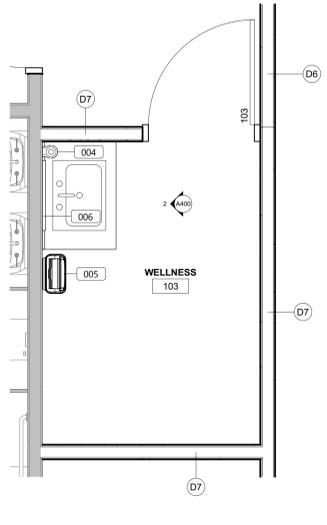
Revisions:

No.	Description	Date

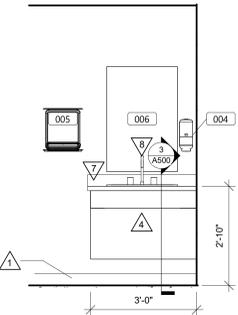
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Last Update: 2/3/2026 2:07:50 PM

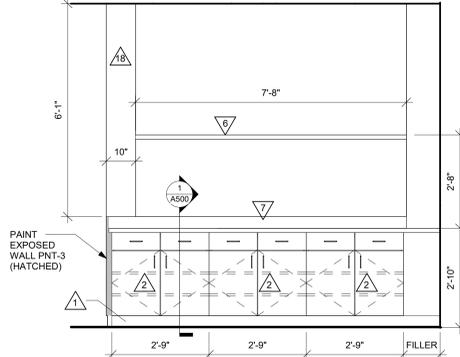
A400



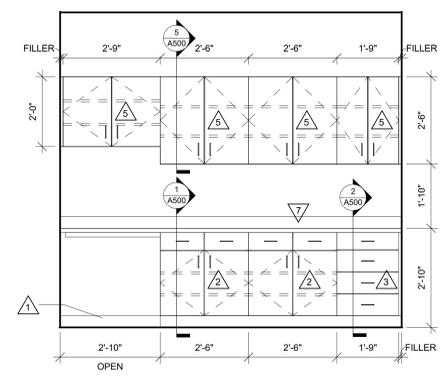
1 ENLARGED WELLNESS 103
1/2" = 1'-0"



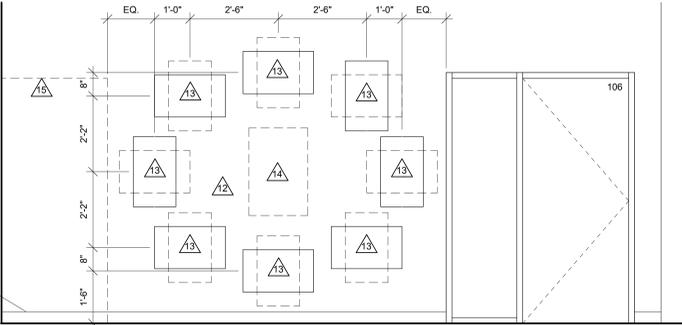
2 WELLNESS 103
1/2" = 1'-0"



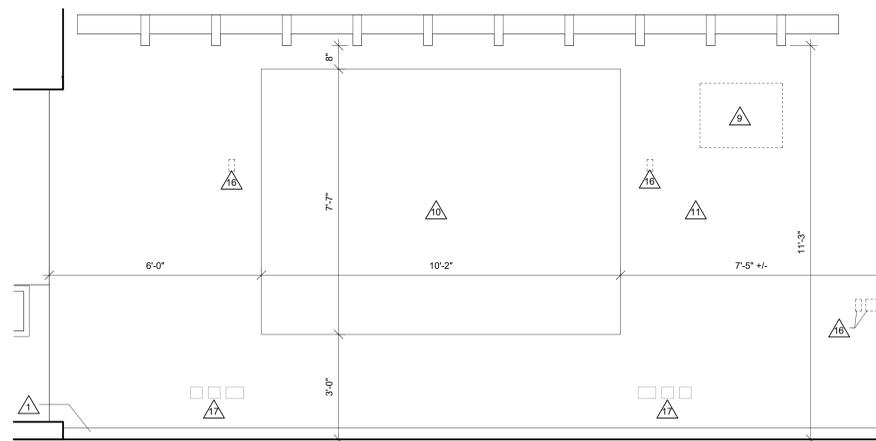
3 LOUNGE 104
1/2" = 1'-0"



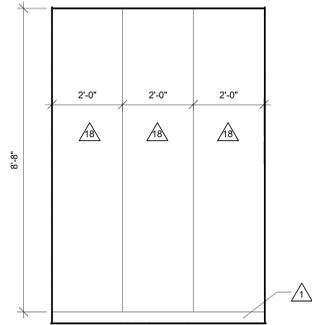
4 WORK 104F
1/2" = 1'-0"



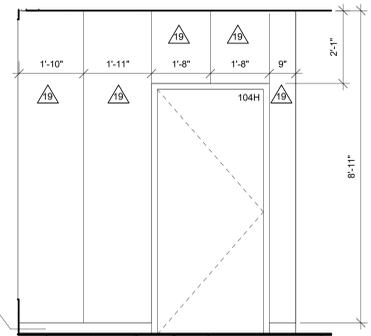
5 STUDENT UNION 105 S
1/2" = 1'-0"



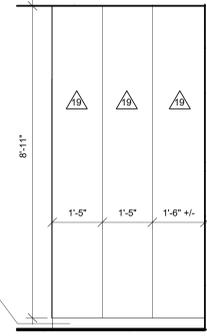
6 STUDENT UNION 105 W
1/2" = 1'-0"



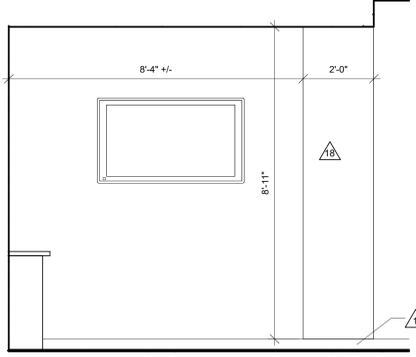
7 RM 104H S
1/2" = 1'-0"



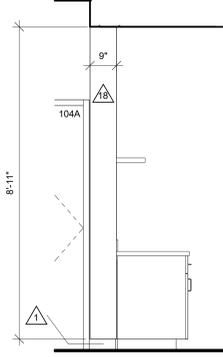
8 RM 104 S-1
1/2" = 1'-0"



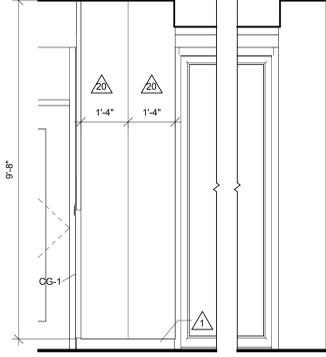
9 RM 104 E-1
1/2" = 1'-0"



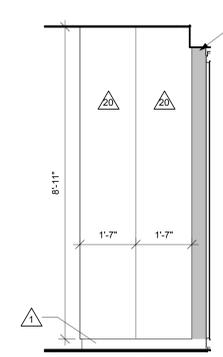
10 RM 104 N-1
1/2" = 1'-0"



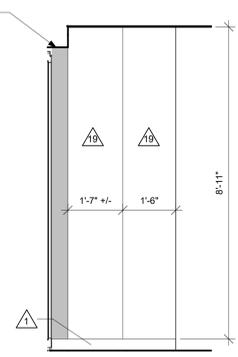
11 RM 104 N-2
1/2" = 1'-0"



12 RM 104 S-2
1/2" = 1'-0"



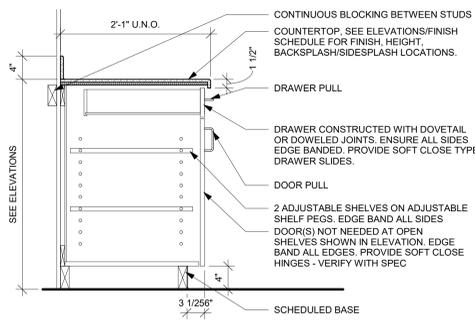
13 RM 104 E-2
1/2" = 1'-0"



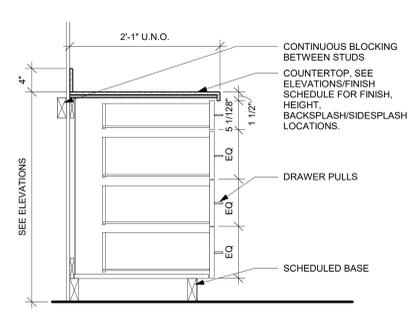
14 RM 104 W
1/2" = 1'-0"



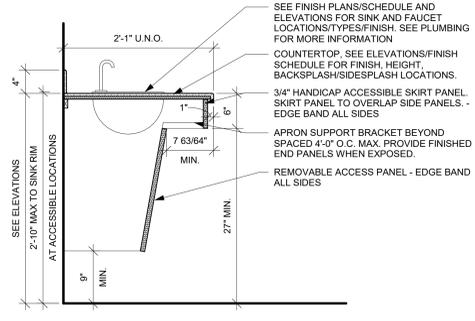
Consultant:



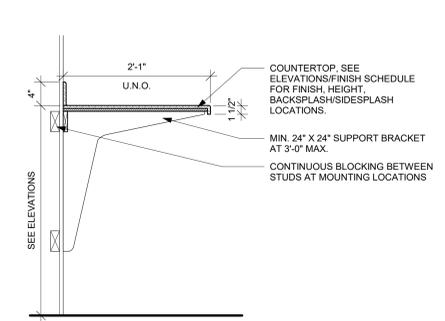
1 BASE CABINET W/ 1 DRAWER
1" = 1'-0"



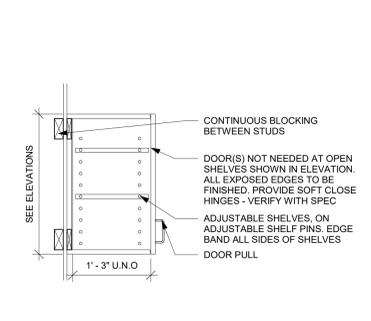
2 BASE CABINET W/ 4 DRAWERS
1" = 1'-0"



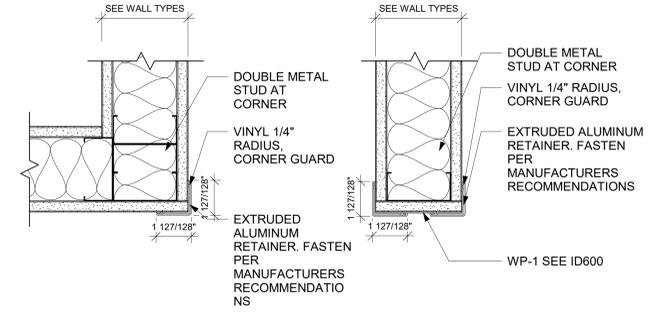
3 SINK APRON
1" = 1'-0"



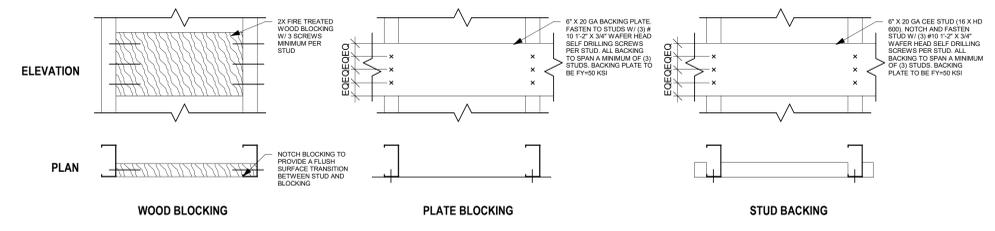
4 COUNTER-BRACKET SUP.
1" = 1'-0"



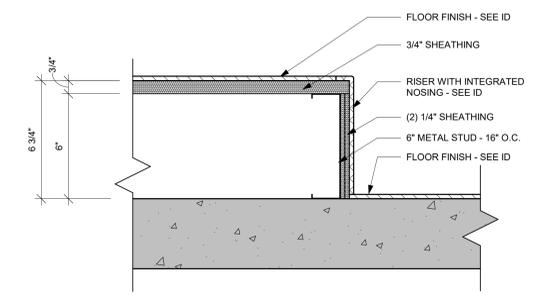
5 UPPER CABINET
1" = 1'-0"



6 CORNER GUARD DETAILS
3" = 1'-0"



7 TYP. BLOCKING AND BACKING
1 1/2" = 1'-0"



8 STAGE DETAIL
3" = 1'-0"

WESTERN TECHNICAL COLLEGE
KUMM CENTER STUDENT UNION REMODEL

Project Title:
Project Location: 400 6th St N
La Crosse WI 54601

HSR Project Number:
25041
Project Date:
FEBRUARY 2026
Drawn By:
HSR

Key Plan:

Revisions:

No.	Description	Date

Graphic Scale:
VARIES
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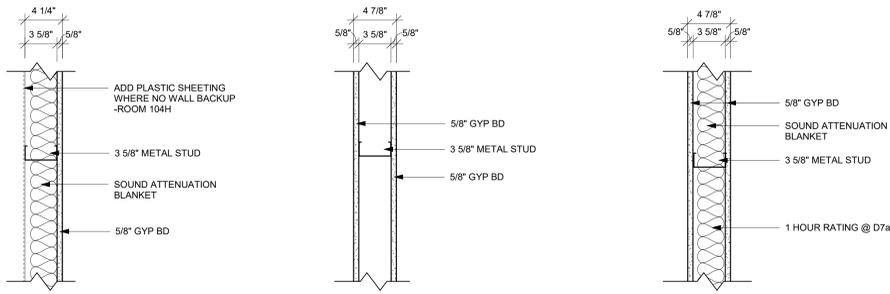
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Consultant:

WALL TYPE GENERAL NOTES:

- A. REFER TO MASTER COLOR SCHEDULE AND INTERIOR DESIGN SHEETS FOR ADDITIONAL WALL FINISHES.
- B. NON RATED WALLS, INCLUDING BULKHEADS SHALL HAVE FRAMING EXTENDED TO DECK ABOVE. GYP BOARD SHALL EXTEND TO 4" ABOVE CEILING UNLESS NOTED OTHERWISE. COLUMN FURRING MAY STOP 4" ABOVE CEILING.
- C. EXTEND STUDS, GYP BOARD AND SOUND BLANKET TO DECK ABOVE AT SOUND CONTROL WALLS (INDICATED BY SOUND ATTENUATION BLANKETS, SOUND SEAL NOTE OR STC RATING). LEVEL OF FINISH ABOVE CEILING AS NOTED IN SECTION 09 21 16.
- D. AT SOUND CONTROL WALLS (INDICATED BY SOUND ATTENUATION BLANKETS, SOUND SEAL NOTE OR STC RATING) APPLY CONTINUOUS BEAD OF ACOUSTICAL SEALANT AT FLOOR/CEILING TRACK STUDS AND STUD AT WALL. APPLY CONTINUOUS BEAD OF ACOUSTICAL SEALANT AT PERIMETER OF GYP BOARD HOLDING EDGE OF GYP BOARD AWAY FROM ADJACENT STRUCTURE NO MORE THAN 1/8". SEAL ALL MEPP/PENETRATIONS WITH SOUND BLANKET, BACKING, ACOUSTICAL SEALANT AND FIRE STOPPING. AFTER INSTALLING ONE SIDE OF GYP BOARD, APPLY OVERSIZED 2" SOUND BLANKET OVER BACK SIDE OF ELECTRICAL BOXES AND SIMILAR PENETRATIONS. WHERE WALL BOXES OCCUR AT OPPOSITE SIDES, APPLY INSULATION TO BACKSIDE OF WALL BOXES AT FIRE RATED WALLS REQUIRING SOUND CONTROL. USE PUTTY PASS FOR REQUIRED WALL RATING. REFER TO TOP OF WALL DETAILS FOR INSTALLATION OF ADDITIONAL MATERIALS AT DECK AND APPLICATION OF RATED TOP OF WALL ASSEMBLIES.
- E. INSTALL GYPSUM BOARD CONTROL JOINTS AT TOP OF ALL INTERIOR TOP OF DOOR JAMBS TO TOP OF GYPSUM BOARD WALLS. OTHER CONTROL JOINTS TO BE INSTALLED PER PLAN OR AT 30" O.C. MAX. REVIEW LOCATION REQUIREMENTS WITH A/E PRIOR TO START OF INSTALLATION OF GYPSUM BOARD ASSEMBLIES.



PARTITION TYPE	PARTITION WIDTH		FIRE RATING	UL #	STC RATING
	ACTUAL	NOMINAL			
D5	4 1/4"	4"	-	-	39

PARTITION TYPE	PARTITION WIDTH		FIRE RATING	UL #	STC RATING
	ACTUAL	NOMINAL			
D6	4 7/8"	5"	-	-	38

PARTITION TYPE	PARTITION WIDTH		FIRE RATING	UL #	STC RATING
	ACTUAL	NOMINAL			
D7	4 7/8"	5"	-	-	49

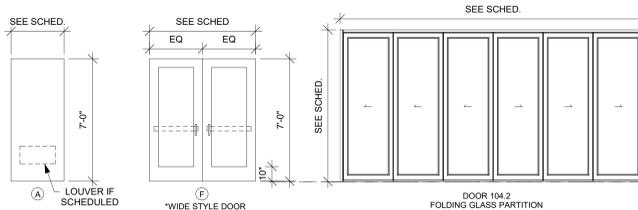
DOOR SCHEDULE

MARK	DOOR				FRAME							HDWR GROUP	REMARKS					
	SIZE			DOOR TYPE	DOOR MATERIAL	DOOR FINISH	GLASS TYPE	FRAME TYPE	FRAME DEPTH	FRAME MATERIAL	FRAME FINISH			GLASS TYPE	DETAILS			
	W	H	T												HEAD	JAMB	SILL	
101	3'-0"	7'-0"	1 3/4"	DOOR A	SCWD			FRAME AA	5 3/4"	HM						1	3	
102	3'-0"	7'-0"	1 3/4"	DOOR A	SCWD			FRAME AA	5 3/4"	HM						3	3	
103	3'-0"	7'-0"	1 3/4"	DOOR A	SCWD			FRAME AA	5 3/4"	HM						2	1	
104.1	3'-8"	7'-0"	1 1/2"	DOOR F	SCWD			FRAME CC	5 3/4"	HM						4		
104.2	17'-4"	6'-8"	3 1/2"									GLT-4			3/A600	3/A600	5	2,3
104A	3'-0"	7'-0"	1 1/2"	DOOR A	SCWD			FRAME GG	5 3/4"	HM						GLT-4	6	
104B	3'-0"	7'-0"	1 1/2"	DOOR A	SCWD			FRAME GG	5 3/4"	HM						GLT-4	6	
104C	3'-0"	7'-0"	1 1/2"	DOOR A	SCWD			FRAME GG	5 3/4"	HM						GLT-4	6	
104D	3'-0"	7'-0"	1 1/2"	DOOR A	SCWD			FRAME GG	5 3/4"	HM						GLT-4	6	
104E.1	3'-0"	7'-0"	1 1/2"	DOOR A	SCWD			FRAME GG	5 3/4"	HM						GLT-4	7	
104E.2	6'-0"	6'-0"	1 1/2"	EXIST. OH-RLA	EXIST.			EXIST. OH-ROLLING	1-3 1/8"	EXIST.						10	4	
104H	3'-0"	7'-0"	1 3/4"	DOOR A	SCWD			FRAME AA	5 3/4"	HM							8	
105A	3'-0"	7'-0"	1 3/4"	DOOR A	SCWD			FRAME AA	5 3/4"	HM							9	
106	3'-0"	7'-0"	1 1/2"	DOOR A	SCWD			FRAME GG	5 3/4"	HM						GLT-4	6	

DOOR SCHEDULE GENERAL NOTES

- HM = HOLLOW METAL ALUM = ALUMINUM SCWD = SOLID CORE WOOD DOOR
- A. SEE SPECIFICATIONS FOR DOOR HARDWARE GROUPS
- B. ALL HM (HOLLOW METAL) DOORS AND FRAMES SHALL BE PAINTED
- C. ALL DOUBLE DOORS TO HAVE TWO EQUAL LEAFS UNLESS NOTED OTHERWISE

DOOR TYPES



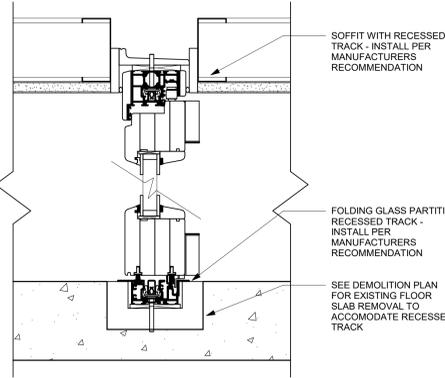
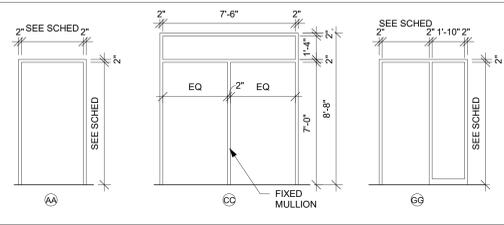
DOOR SCHEDULE REMARKS

1. ELECTRONIC CARD ACCESS AND ELECTRONIC STRIKE REQUIRED.
2. TIE EXISTING CARD READER INTO NEW DOOR AND FRAME.
3. TIE EXISTING AUTO OPERATOR INTO NEW DOOR AND FRAME.
4. NEW WEATHER STRIPPING AND SILL SEAL ON EXISTING OVERHEAD DOOR.

DOOR FRAME GENERAL NOTES

- HM = HOLLOW METAL ALUM = ALUMINUM
- A. SEE SHEET A600 FOR ADDITIONAL FRAME TYPES
- B. ALL HM (HOLLOW METAL) FRAMES SHALL BE PAINTED.

DOOR FRAME TYPES



1 TYP. DOOR OFFSET
3/4" = 1'-0"

2 DOOR JAMB DETAIL
1 1/2" = 1'-0"

3 FOLDING PARTION HEAD/ SILL DETAIL
3" = 1'-0"

HSR Project Number:
25041
Project Date:
FEBRUARY 2026
Drawn By:
Author

Key Plan:

Revisions:

No.	Description	Date

Graphic Scale:
VARIES
Last Update:
2/3/2026 2:07:51 PM



Consultant:

INTERIOR GENERAL NOTES:

- A. REFERENCES TO PAINT PERTAIN TO COLOR ONLY. PAINT TYPE SHALL BE IDENTIFIED IN THE ARCHITECTURAL SPECIFICATIONS.
- B. PNT-1 FIELD PAINT; ACCENT PAINT AS INDICATED. SEE ID SHEETS.
- C. REFER TO MASTER COLOR SCHEDULE ON ID600 & ID601 FOR MATERIAL FINISH SPECIFICATIONS, ANNOTATIONS, AND ADDITIONAL INFORMATION.
- D. TOILET ROOM WALL AND FLOOR GROUT LINES SHALL ALIGN TO CONTINUE PATTERN THROUGHOUT. SEE A706 FOR ELEVATED PATTERNING.
- E. VINYL COMPOSITE EDGE (VCE) TO BE INSTALLED AT DISSIMILAR FINISH AREAS; REFER TO ID SHEETS. INSTALL APPROPRIATE EDGE PROFILE TO PROTECT FINISH EDGES. COLOR AS SELECTED BY A/E.
- F. AT DISSIMILAR FLOORING FINISHES, SET JOINT OF MATERIALS AT CENTER OF DOOR. TRANSITIONS TO BE ADA COMPLIANT.

INTERIOR FINISH KEY PLAN:

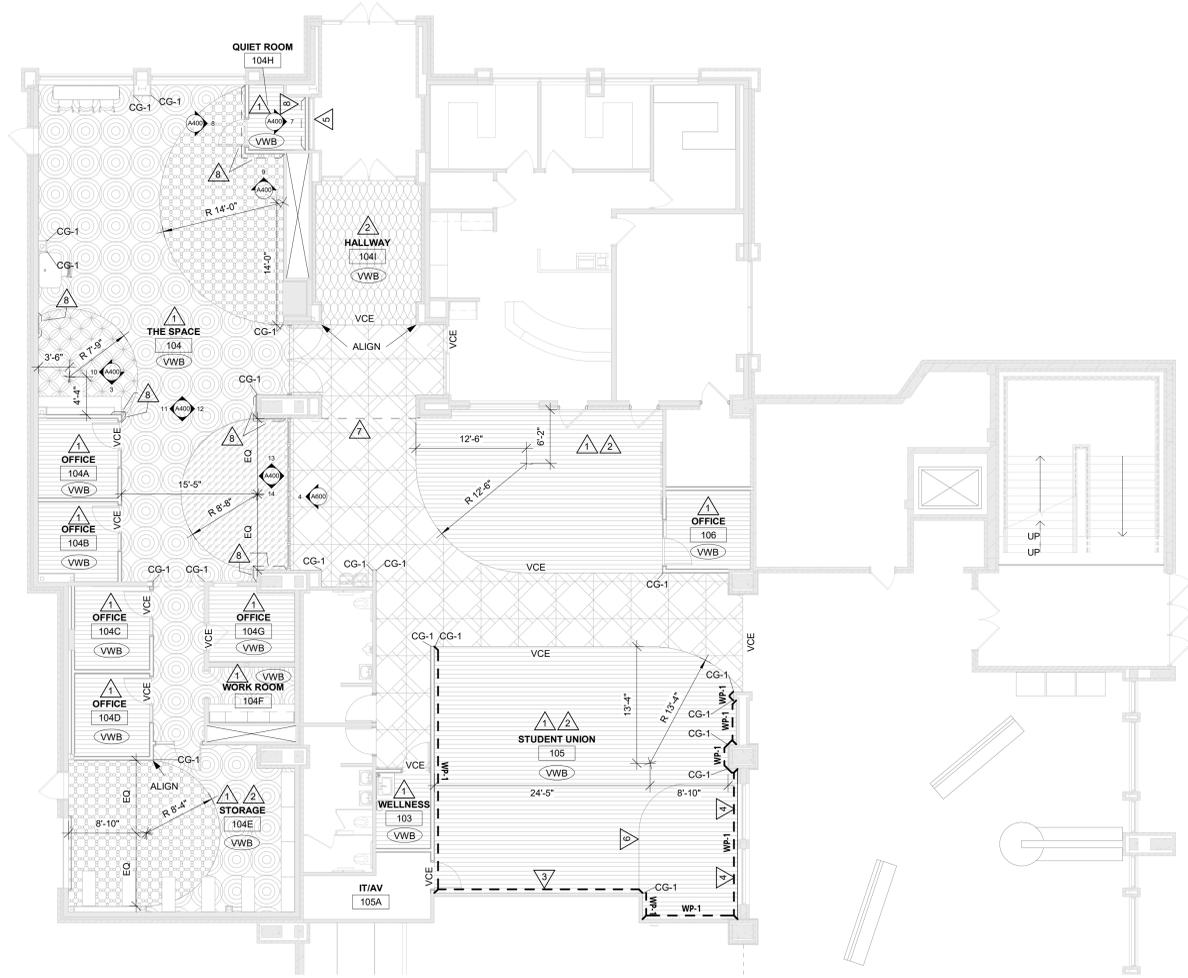
- SEE ROOM FINISH REMARKS
- WALL BASE
- ACCENT PAINT
- SEALED CONCRETE

INTERIOR FINISH LEGEND:

- LVT-1
- LVT-2
- LVT-3
- LVT-4
- LVT-5
- CPT-1
- WCPT-1

ROOM FINISH REMARKS

- 1 PAINT ALL WALLS PNT-1
- 2 DO NOT PAINT ANY EXPOSED BRICK
- 3 SEE ELEVATOR # ON A405 FOR PAINT
- 4 WINDOW FILM 1. SEE ID600
- 5 WINDOW FILM 2. SEE ID600
- 6 RUBBER RISER WITH INTEGRATED NOSING. SEE ID600.
- 7 SEE A200 FOR FLOOR PREP
- 8 ACOUSTICAL WALL PANELS. SEE A400 FOR SIZE



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

WESTERN TECHNICAL COLLEGE
KUMM CENTER STUDENT UNION REMODEL
 Project Title: **FINISH FLOOR PLAN**
 Project Location: 400 6th St N
 La Crosse WI 54601
 Project Number: **25041**
 Project Date: **FEBRUARY 2026**
 Drawn By: **BE**

Project Title: **FINISH FLOOR PLAN**

HSR Project Number: **25041**

Project Date: **FEBRUARY 2026**

Drawn By: **BE**

Key Plan:

Revisions:		
No.	Description	Date

Graphic Scale:

VARIES

Last Update:

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ID101



Consultant:

MASTER COLOR SCHEDULE														
MANUFACTURER / COLOR			GENERAL LOCATION	REMARKS	MANUFACTURER / COLOR			GENERAL LOCATION	REMARKS	MANUFACTURER / COLOR			GENERAL LOCATION	REMARKS
06 41 00 CUSTOM CABINETS					09 65 00 RESILIENT FLOORING/BASE					09 90 00 PAINTS AND COATINGS				
PLAM-1 (Plastic Laminate)	<u>Manufacturer:</u> Formica <u>Color:</u> Brun Refined Hickory <u>Finish:</u> Natural Grain Texture		Casework	Comparable Products by Prior Approval	WVB-1 (Vinyl Wall Base)	<u>Manufacturer:</u> Tarkett <u>Size:</u> 4in <u>Color:</u> Peppercorn		Field	Comparable Products by Prior Approval	PNT-1 (Paint)	<u>Manufacturer:</u> Sherwin Williams <u>Color:</u> Worldly Gray <u>Color Code:</u> 245-C1; SW 7043		Field	Approved on
06 61 00 CAST POLYMER FABRICATIONS					09 68 50 CARPETING					10 26 00 WALL AND DOOR PROTECTION				
SS-1 (Solid Surface)	<u>Manufacturer:</u> Durasin <u>Color:</u> Harbor Mist		Countertops	Comparable Products by Prior Approval	VCE-1 (Vinyl Carpet Edge)	<u>Manufacturer:</u> Tarkett <u>Product:</u> Slim Line <u>Color:</u> Peppercorn		See ID101	Comparable Products by Prior Approval	PNT-2	<u>Manufacturer:</u> Sherwin Williams <u>Color:</u> Dill <u>Color Code:</u> 156-C6; SW 6438		Ceiling Accent	Approved on
08 87 33 DECORATIVE FILMS					09 68 00 CARPETING					10 26 00 WALL AND DOOR PROTECTION				
DF-1 (Decorative Films)	<u>Manufacturer:</u> Decorative films <u>Color:</u> Dusted Crystal		Student Union	Comparable Products by Prior Approval	CPT-1 (Carpet Tile)	<u>Manufacturer:</u> Tarkett <u>Style Name:</u> Edge Edit <u>Color Name:</u> Common Ground <u>Construction:</u> Stratatec Patterned Loop <u>Size:</u> 24" x 24" <u>Backing:</u> Ethos Modular <u>Installation:</u> Vertical Ashlar		Offices, Student Union	Comparable Products by Prior Approval	PNT-3	<u>Manufacturer:</u> Sherwin Williams <u>Color:</u> Denim <u>Color Code:</u> 185-C6; SW 6523		Ceiling Accent	Approved on
DF-2	<u>Manufacturer:</u> Decorative films <u>Color:</u> White Dusted Matte		Quiet Room 104H	Comparable Products by Prior Approval	WCPT-1 (Walk Off Carpet)	<u>Manufacturer:</u> Mohawk Group <u>Style Name:</u> Tuff Stride - Defining Pace <u>Color Name:</u> Pavestone <u>Construction:</u> Tufted <u>Size:</u> 24" x 24" <u>Backing:</u> EcoFlex One <u>Installation:</u> Brick Ashlar		Vestibule	Comparable Products by Prior Approval	WP-1 (Wall Protection)	<u>Manufacturer:</u> Inpro <u>Product:</u> Palladium Rigid Sheet <u>Color:</u> Taupe <u>Size:</u> 4' x 8'		See ID floor plan Install above wall base	Comparable Products by Approval
09 65 00 RESILIENT FLOORING/BASE					09 84 30 SOUND ABSORBING WALL AND CEILING UNITS					10 26 00 WALL AND DOOR PROTECTION				
LVT-1 (Luxury Vinyl Tile)	<u>Manufacturer:</u> Tarkett <u>Collection:</u> Victory- Hues & Tones <u>Color:</u> Stone Tavern <u>Size:</u> 18" x 18" <u>Thickness:</u> 3MM <u>Install:</u> Vertical Ashlar		The SPACE	Comparable Products by Prior Approval	AWP-1 (Acoustical Wall Panel)	<u>Manufacturer:</u> Turf <u>Product:</u> Monolith <u>Color:</u> Grasshopper <u>Install:</u> Z-Clip <u>Size:</u> See A400		See ID101 & A400	Comparable Products by Prior Approval	CG-1 (Corner Guards)	<u>Manufacturer:</u> Inpro <u>Product:</u> 130 High Impact <u>Color:</u> Taupe <u>Size:</u> 3" x 4'		See ID floor plan Install above wall base	Comparable Products by Approval
LVT-2	<u>Manufacturer:</u> Tarkett <u>Collection:</u> Victory - Mineral Chip <u>Color:</u> Serpentine <u>Size:</u> 18" x 18" <u>Thickness:</u> 3MM <u>Install:</u> Vertical Ashlar		The SPACE	Comparable Products by Prior Approval	AWP-2	<u>Manufacturer:</u> Turf <u>Product:</u> Monolith <u>Color:</u> Indigo <u>Install:</u> Z-Clip <u>Size:</u> See A400		See ID101 & A400	Comparable Products by Prior Approval					
LVT-3	<u>Manufacturer:</u> Tarkett <u>Collection:</u> Victory - Mineral Chip <u>Color:</u> Celestial <u>Size:</u> 18" x 18" <u>Thickness:</u> 3MM <u>Install:</u> Vertical Ashlar		The SPACE	Comparable Products by Prior Approval	AWP-3	<u>Manufacturer:</u> Turf <u>Product:</u> Monolith <u>Color:</u> Dried Lavender <u>Install:</u> Z-Clip <u>Size:</u> See A400		See ID101 & A400	Comparable Products by Prior Approval					
LVT-4	<u>Manufacturer:</u> Tarkett <u>Collection:</u> Victory - Mineral Chip <u>Color:</u> Tourmaline <u>Size:</u> 18" x 18" <u>Thickness:</u> 3MM <u>Install:</u> Vertical Ashlar		The SPACE	Comparable Products by Prior Approval	AC-1 (Acoustic Cloud System)	<u>Manufacturer:</u> Turf <u>Product:</u> Plaid <u>Grid Size:</u> 15/16" Grid <u>OC Spacing:</u> 24" x 24" <u>Edge Option:</u> Open Edge with End Caps <u>Depth Option:</u> Duel Depth <u>Main Depth:</u> 10.5" X 3" <u>Secondary Depth:</u> 6.5" X 3" <u>Tile Caps:</u> No <u>Color:</u> Dark Walnut		Student Union	Comparable Products by Prior Approval					
LVT-5	<u>Manufacturer:</u> Tarkett <u>Collection:</u> Victory - Mineral Chip <u>Color:</u> Shale <u>Size:</u> 18" x 18" <u>Thickness:</u> 3MM <u>Install:</u> Vertical Ashlar		Student Union	Comparable Products by Prior Approval										

WESTERN TECHNICAL COLLEGE
KUMM CENTER STUDENT UNION REMODEL

Project Title:

HSR Project Number:
25041

Project Date:
FEBRUARY 2026

Drawn By:
BE

Key Plan:



Revisions:		
No.	Description	Date

Graphic Scale:
VARIES

Last Update:
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ID600

Project Location: 400 6th St N
La Crosse WI 54601

Sheet Title:
MASTER COLOR SCHEDULE

PLUMBING SPECIFICATIONS:

SECTION: DRAIN, WASTE, VENT SYSTEMS

PIPING (NON-PLENUM APPLICATIONS):

- POLYVINYL CHLORIDE (PVC)
- PIPE, SCHEDULE 40, CLASS 12454 (PVC 1120), ASTM D1785
- FITTINGS: DRAIN, WASTE AND VENT (DWV) WITH EPPM FITTINGS, ASTM D2865; SOCKET FITTING PATTERNS, ASTM D3311
- JOINTS: PRIMER, LOW VOC, ASTM F866; SOLVENT CEMENT, LOW VOC, ASTM D2564

PIPING (PLENUM APPLICATIONS):

- CAST IRON
- PIPE: HUBLESS CAST IRON PIPE, ASTM A-888, CISPI 301, NSF CERTIFIED
- JOINTS: CAST IRON COUPLINGS WITH NEOPRENE GASKETS AND STAINLESS STEEL BOLTS AND NUTS, ASTM A-1056, MG COUPLINGS OR EQUAL

INSTALLATION

- INSTALL PLASTIC PIPE AND FITTINGS AS RECOMMENDED BY MANUFACTURER. INCLUDE ADEQUATE OFFSETS OR EXPANSION JOINTS TO ALLOW FOR PIPE EXPANSION
- DO NOT INSTALL PLASTIC PIPE IN PLENUM SPACE
- INSTALL CAST IRON PIPE AND FITTINGS AS RECOMMENDED BY CISPI IN THEIR PUBLICATION "INSTALLATION OF CAST IRON SOIL PIPE AND FITTINGS"
- SUPPORT CAST IRON PIPING AT EVERY COUPLING. LOCATE HANGER WITHIN 18" OF COUPLING

SECTION: DOMESTIC WATER

PIPING:

- COPPER TUBE, TYPE L, HARD DRAWN, ASTM B88
- FITTINGS:
 - CAST COPPER ALLOY, SOLDER JOINT, PRESSURE RATED, ANSI B16.18
 - WROUGHT COPPER, SOLDER JOINT, PRESSURE RATED, ANSI B16.22
 - COPPER, PRESS FIT JOINT, EPDM O-RING, ANSI B16.51, 1" - 250°F, MAXIMUM 200 PSIG. PROGRESS BY VIEGA, APOLLO/PRESS BY APOLLO. FLOW CONTROLS OR PRESSYSTEM BY NIBCO.
- JOINTS:
 - LEAD FREE (0.2% LEAD), SOLDER, ASTM B32, FLUX, ASTM B913
 - PRESS FIT JOINT WITH O-RING, MADE WITH ELECTRO-HYDRAULIC CRIMPING TOOL AND JAW CORRECT FOR PIPE SIZE.

VALVES:

- PRESS SYSTEM VALVES:
 - NIBCO, APOLLO
 - BALL VALVES - 2" AND SMALLER, NIBCO #PF-595-70 (MALE END) OR #PS-595-70 (FEMALE END), FULL PORT TWO PIECE (1/2" - 2" SIZES), PTFE STEM PACKING, GLAND NUT, BRONZE BODY (LESS THAN 15% ZINC), CHROME PLATED BALL, REINFORCED TEFLON SEATS (RTFE), BLOW OUT PROOF STEM, ADJUSTABLE PACKING GLAND, 600 PSI WOG, 250°F MAXIMUM OPERATING TEMPERATURE.
 - BALL VALVES:
 - APOLLO, CRANE, HAMMOND, JOMAR, KITZ, MILWAUKEE, NIBCO, VIEGA
 - PROGRESS, WAITS
 - STANDARD PORT TWO-PIECE (1/2" - 4" SIZES), APOLLO #70LF-100 SERIES, THREADED ENDS OR APOLLO #70LF-200 SERIES, SOLDER ENDS, PTFE STEM PACKING, GLAND NUT, LEAD FREE BRASS BODY (LESS THAN 15% ZINC), CHROMIUM PLATED LEAD FREE BRASS BALL, LEAD FREE BRASS STEM, REINFORCED TEFLON SEATS (RTFE), 600 PSI CWP, ALL MATERIALS IN CONTACT WITH POTABLE WATER SHALL NOT CONTAIN MORE THAN 0.25% LEAD CONTENT PER SDWA 1417(A)(1)(A), 2011, NSF ANSI STANDARD 372 "LEAD FREE" ANSI 3RD PARTY CERTIFIED, MAXIMUM TEMPERATURE RATING SHALL BE 270°F
- PROVIDE 1-1/4" STEM EXTENSIONS ON ALL HOT WATER PIPING INSULATED WITH MORE THAN 1/2" THICK INSULATION.
 - INCLUDE A NON-ROTATING SLEEVE WITH CAP AROUND THE STEM
 - EXTENSIONS ON ALL INSULATED COLD WATER PIPING TO FACILITATE VAPOR BARRIER SEAL, SIMILAR TO:
 - MILWAUKEE "X" STEM EXTENSION WITH EXTERNAL PLASTIC SHIELD, OR
 - APOLLO "THERMAL-SEAL" INSULATING TEE HANDLE, OR
 - NIBCO "NIBSEAL" INSULATING HANDLE WITH EQUIVALENT BALL VALVES, OR
 - NIBCO "CS" EXTENDED LEVER HANDLE.

FLUSHING:

- BUILDING DOMESTIC COLD WATER AND HOT WATER PIPING SHALL BE CLEANED AND FLUSHED SO AS TO BE FREE OF ALL THREAD CUTTING OIL, THREAD CHIPS, SOLDER RESIDUE, SHAVINGS AND OTHER FOREIGN MATTER. AFTER CLEANING AND FLUSHING, THE PIPING SYSTEM SHALL BE DISINFECTED.
- REMOVE SCREENS FROM ALL INLINE STRAINERS EXCEPT THOSE AT PUMP STATION.
- OPEN ALL CONTROL VALVE TO FULLY OPEN POSITION.
- FLUSH TO OBTAIN FLOW OF CLEAN WATER.

SECTION: PIPE INSULATION

- INSULATION SHALL BE PROVIDED ON ALL DOMESTIC WATER AND RAINWATER PIPING AS FOLLOWS:
 - FIBERGLASS PIPE INSULATION WITH MINIMUM NOMINAL DENSITY OF 3 LBS. PER CU. FT. AND THERMAL CONDUCTIVITY OF NOT MORE THAN 0.23 AT 75 DEGREES F MEAN TEMPERATURE, SUITABLE FOR TEMPERATURES TO 450 DEGREES F WITH VAPOR BARRIER JACKET
 - INSTALL AS RECOMMENDED TO MANUFACTURER RECOMMENDATIONS.
 - HANGERS ON ALL WATER PIPING SHALL BE OVERSIZED FOR PIPE INSULATION AND SHALL NOT BE INSULATED.
 - EXISTING PIPING INSULATION DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO MATCH ORIGINAL CONDITION.

SERVICE	INSULATION TYPE	PIPE SIZE	INSULATION THICKNESS
HOT WATER	RIGID FIBERGLASS	2" AND SMALLER	2"
COLD WATER	RIGID FIBERGLASS	2" AND SMALLER	1"

GENERAL PLUMBING NOTES:

- BUILDING SYSTEMS MUST REMAIN OPERATIONAL, UNLESS OTHERWISE PERMITTED BY OWNER. COORDINATE AS REQUIRED.
- PATCH ALL HOLES THROUGH FLOORS WHON-SHINK GROUT.
- ALL WORK TO BE SCHEDULED AND DIRECTED BY OWNER. COORDINATE AS REQUIRED.
- INSTALL BUILDING SITE AND BECOME THOROUGHLY FAMILIAR WITH ALL EXISTING CONDITIONS AFFECTING THE WORK.
- VERIFY ALL MEASUREMENTS, PIPE SIZES, PIPE LOCATIONS, ELEVATIONS, ETC. AT SITE.
- REVIEW, COORDINATE, AND SCHEDULE INSTALLATION OF WORK WITH OTHER TRADES.
- INSTALL ALL WORK SUBSTANTIALLY AS SHOWN ON THE DRAWINGS UNLESS OTHERWISE APPROVED BY OWNER.
- INSTALL ALL WORK SUBSTANTIALLY AS SHOWN ON THE DRAWINGS. DEVIATIONS FROM LOCATIONS OF PIPING INDICATED ON THE DRAWINGS MAY HAVE TO BE MADE AT NO ADDITIONAL COST TO THE OWNER IN ORDER TO CLEAR THE WORK OF THE OTHER TRADES. HOWEVER, ALL SUCH DEVIATIONS SHALL BE PREVIOUSLY APPROVED BY THE OWNER'S REPRESENTATIVE.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL PLUMBING FIXTURES, STRUCTURAL DIMENSIONS AND LAYOUT.
- IT IS THE INTENT OF THESE DRAWINGS THAT EACH AFFECTED SYSTEM BE COMPLETE, WORKING, TESTED, AND OPERATIONAL.
- CONFLICT BETWEEN DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID OPENING. THE ENGINEER RESERVES THE RIGHT TO FINAL DECISION.
- INCLUDE ALL PLUMBING RELATED CUTTING, PATCHING AND/OR REMOVAL AND REPLACEMENT OF EXISTING WALLS, FLOORS & CEILINGS UNLESS OTHERWISE INDICATED.
- ALL WATER PIPING SHALL BE SO INSTALLED TO FACILITATE COMPLETE DRAINAGE.
- ALL FIXTURE WATER SUPPLY FLOW RATES SHALL CONFORM TO SPS 384.20(3).
- DOMESTIC WATER PIPE SIZES SHALL CONFORM TO SPS 382.40(7), FRICTION LOSS METHOD AND MAXIMUM FLOW VELOCITY OF 8 FPS.
- EACH FIXTURE SHALL BE VALVED, CONFORMING TO SPS 382.40(9)(b).
- UNLESS NOTED OTHERWISE ALL WASTE AND DRAIN PIPING 3" AND LARGER SHALL BE INSTALLED AT A SLOPE OF 1/8" PER FOOT AND WASTE AND DRAIN PIPING 2" AND SMALLER AT 1/4" PER FOOT.
- CONNECT VENT PIPING ABOVE THE CENTERLINE OF HORIZONTAL DRAIN PIPING IN CONFORMANCE TO SPS 382.31(1)(b)(1).
- FIXTURE VENTS SHALL CONNECT TO OTHER BRANCH VENTS A MINIMUM OF 38" ABOVE THE FLOOR, CONFORMING TO SPS 382.31(1)(b)(3).
- THE INSTALLATION OF PVC DWV PIPING IN BUILDING SHALL CONFORM TO SPS 384.40(14), WHEN APPLICABLE.
- WASTE STRAP BASE CONNECTIONS SHALL BE MADE USING LONG SWEEP FITTINGS.
- CLEANOUTS SHALL CONFORM TO SPS 382.35(6) TABLE B2.35.
- ALL SINK FAUCETS SHALL USE A MAXIMUM OF 2.2 GPM, CONFORMING TO SPS 384.20(3).
- ALL LINE VALVES WHICH SERVE TWO OR MORE PLUMBING FIXTURES SHALL HAVE A FLOW OPENING NOT LESS THAN ONE NOMINAL PIPE SIZE SMALLER THAN THE NOMINAL SIZE OF THE PIPING CONNECTING TO THE VALVE, CONFORMING TO SPS 384.30(5)(d)(3).
- CUTTING, NOTCHING OR BORING OF METAL STUD WALL SYSTEM IS NOT PERMITTED UNLESS APPROVED BY THE MANUFACTURER AND THE STRUCTURAL INTEGRITY HAS NOT BEEN REDUCED TO ACCEPTABLE LEVELS.
- PLASTIC PIPE MAY PENETRATE REQUIRED FIRE-RESISTIVE RATED FLOORS, WALLS, CEILINGS AND FIRE RATED ASSEMBLIES PROTECTED WITH AN APPROVED FIRE STOP SYSTEM HAVING AN F-RATING NOT LESS THAN THE HOURLY RATING OF THE ASSEMBLY BEING PENETRATED.
- FOR CORE DRILL OPENINGS IN EXISTING FLOORWALLS, AS REQUIRED, SIZE OF OPENINGS SHALL NOT EXCEED 1" LARGER THAN THE O.D. OF THE PIPING PENETRATING THE ASSEMBLY. COORDINATE WITH DRAFT/FIRE STOPPING REQUIREMENTS.
- IDENTIFY PIPING LOCATED ABOVE CEILINGS PRIOR TO CEILING GRID INSTALLATION.

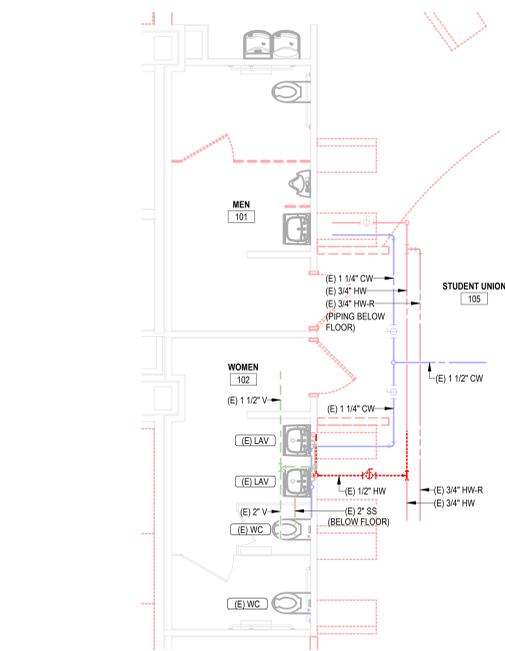
ABBREVIATIONS:

CW	COLD WATER
DFU	COLD WATER FIXTURE UNIT
DFU	DRAINAGE FIXTURE UNIT
FFA	FROM FLOOR ABOVE
FFB	FROM FLOOR BELOW
FW	FUTURE UNIT
G	NATURAL GAS
HW	HOT WATER
HWFU	HOT WATER FIXTURE UNIT
SS	SANITARY SEWER
ST	STORM DRAINAGE
TFA	TO FLOOR ABOVE
TFB	TO FLOOR BELOW
V	VENT

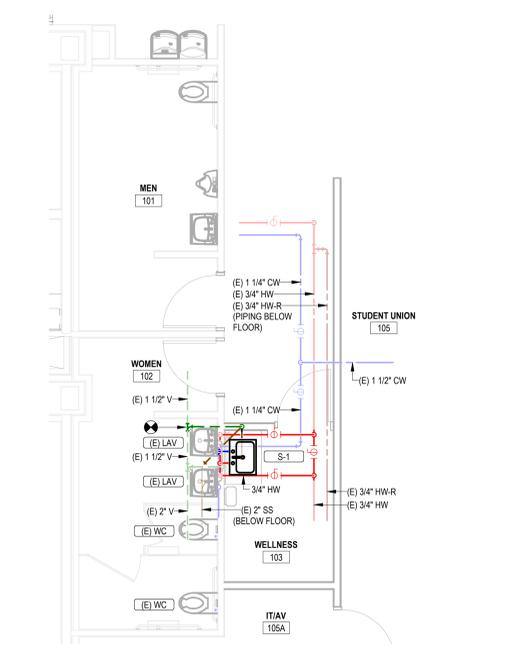
Plumbing Sheet Index

P100 FLOOR PLAN

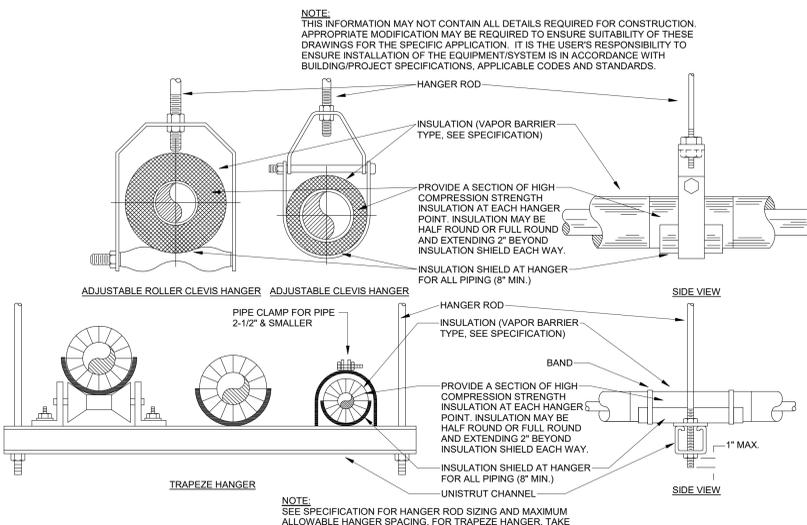
Plumbing Fixture Schedule														
Type	Description	Manufacturer	Model	Qty	Product Type	ADA	Material	Finish	Trim	Water Performance Requirements		Domestic Connections		Product Specification
										Design Flow	Cold Water	Hot Water	Piping Size(s)	
S-1	Sink	Elkay	LRAD191965-MR2	1	Single Bowl	Yes	Stainless Steel	Stainless Steel	Delta / 1903-DST	1.0 GPM	Yes	Yes	1/2"	Single Compartment, ADA Compliant, Self-Rimming, 18 Gauge, Single Lever Swivel Faucet, Grid Strainer, P-Trap, Tailpieces, Supplies And Stops.



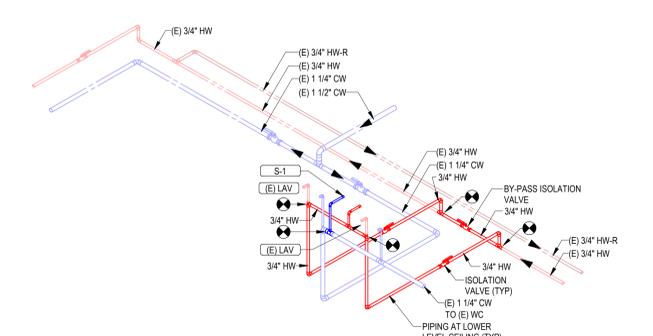
1 PLUMBING DEMOLITION PLAN
1/4" = 1'-0"



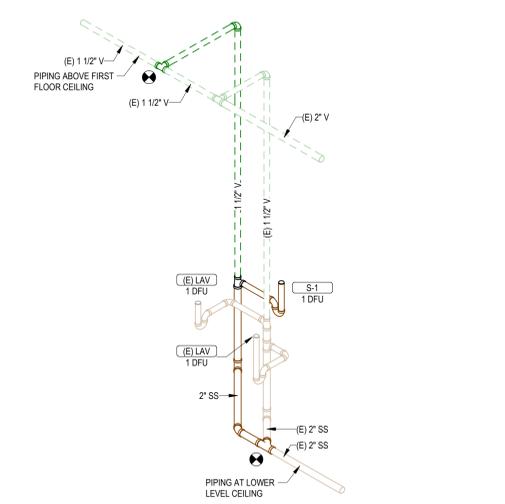
2 PLUMBING REMODEL PLAN
1/4" = 1'-0"



3 PIPE HANGER DETAIL



4 DOMESTIC WATER RISER DIAGRAM



5 WASTE & VENT RISER DIAGRAM

NOTE:
THIS INFORMATION MAY NOT CONTAIN ALL DETAILS REQUIRED FOR CONSTRUCTION. APPROPRIATE MODIFICATION MAY BE REQUIRED TO ENSURE SUITABILITY OF THESE DRAWINGS FOR THE SPECIFIC APPLICATION. IT IS THE USER'S RESPONSIBILITY TO ENSURE INSTALLATION OF THE EQUIPMENT/SYSTEM IS IN ACCORDANCE WITH BUILDING/PROJECT SPECIFICATIONS, APPLICABLE CODES AND STANDARDS.

NOTE:
SEE SPECIFICATION FOR HANGER ROD SIZING AND MAXIMUM ALLOWABLE HANGER SPACING. FOR TRAPEZE HANGER, TAKE SPACING OF SMALLEST SIZE ON TRAPEZE.



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**WESTERN TECHNICAL COLLEGE
KUMM CENTER STUDENT UNION REMODEL**

Project Title:
Project Location: 400 6th St N
La Crosse WI 54601
Sheet Title:
FLOOR PLAN

HSR Project Number:
25041

Project Date:
FEBRUARY 2026

Drawn By:
RGJ

Key Plan:

No.	Description	Date

Graphic Scale:
VARIES

Last Update:
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P100



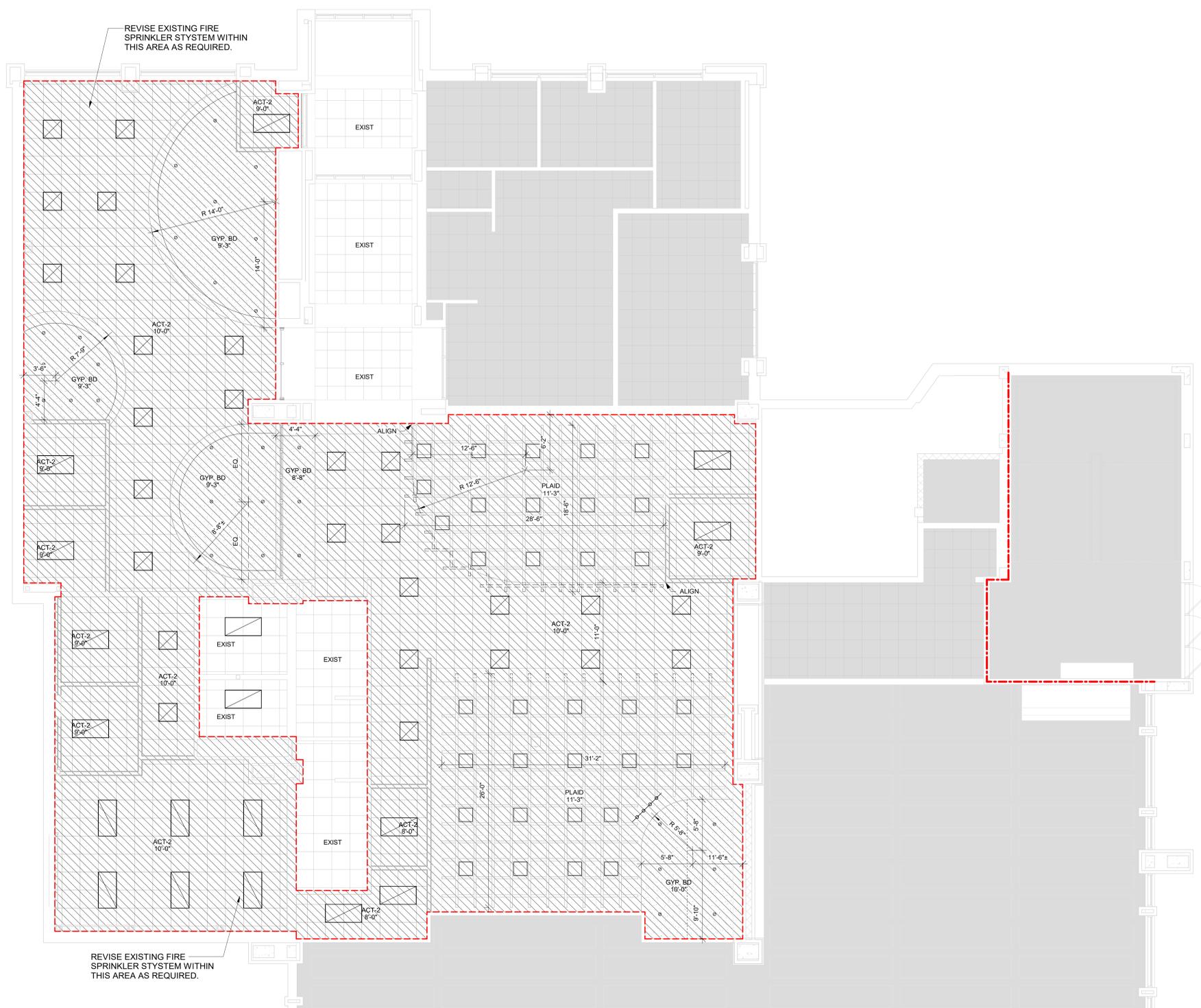
Consultant:

FIRE SPRINKLER NOTES:

1. PROVIDE NEW AND/OR REVISE EXISTING FIRE SPRINKLER SYSTEM AS REQUIRED TO ACCOMMODATE ROOM & CEILING LAYOUTS IN CONFORMANCE WITH REQUIREMENTS OF THE STATE OF WISCONSIN INTERNATIONAL BUILDING CODE, INTERNATIONAL FIRE CODE, NFPA AND INSURANCE SERVICES OFFICE.
2. ALL SECURE PERMITS AND APPROVALS FROM PROPER OFFICES AND PAY FEES. FURNISH OWNER WITH ONE COPY OF ALL PERMITS.
3. FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND RELATED ITEMS REQUIRED TO COMPLETE THE WORK INDICATED ON DRAWINGS.
4. ALL INSTALLATION WORK UNDER THIS SECTION BY A QUALIFIED FIRE PROTECTION SUBCONTRACTOR. DESIGN SHALL BE COMPLETED AND CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER OR DESIGNER OR NIAET (NATIONAL INSTITUTE OF CERTIFIED ENGINEERING TECHNICIANS) CERTIFIED.
5. SIZE SPRINKLER SYSTEM BY HYDRAULIC CALCULATIONS WHERE APPLICABLE.
6. ALL SPRINKLER PIPING IN FINISHED SPACES SHALL BE CONCEALED IN CHASES, PIPE SHAFTS, SOFFITS, FURRED SPACES, OR WALLS EXCEPT MAY BE EXPOSED IN MAINTENANCE, JANITOR ROOMS, CLOSETS, MECHANICAL ROOMS. ALL COSTS ASSOCIATED WITH PROVIDING ADDITIONAL SOFFITS, CHASES, ETC. NOT SHOWN ON ARCHITECTURAL DRAWINGS SHALL BE INCLUDED IN THIS SECTION OF WORK. ADDITIONAL SOFFITS, CHASES, ETC. MUST MEET AIA APPROVAL.
7. ALL MATERIALS AND EQUIPMENT SHALL BE MANUFACTURED IN THE UNITED STATES, AND APPROVED/LISTED BY UNDERWRITERS LABORATORIES, INC. (UL), FACTORY MUTUAL (FM) WHERE APPLICABLE.
8. INSTALL SPRINKLERS CENTERED IN THE PORTION OF THE ACOUSTICAL CEILING TILE (ACT) BORDERED BY SCORED LINES ("SECOND LOOK"), TEGULAR EDGES AND/OR CEILING GRID, AS APPLICABLE.
9. TEST ALL PIPING, FITTINGS, HEADS, ETC. AS REQUIRED.
10. MATCH EXISTING SPRINKLER HEAD TYPE, COORDINATE.
11. ADJUST EXISTING SPRINKLER HEADS AS REQUIRED TO ACCOMMODATE NEW CEILINGS, LIGHTS, DIFFUSERS, DUCTWORK, ETC.
12. ALLOW FOR THREE ADDITIONAL HEADS BEYOND MINIMUM DESIGN FOR ANY SPECIAL STORAGE REQUIREMENTS.
13. EXISTING BUILDING SYSTEMS MUST REMAIN OPERATIONAL, UNLESS OTHERWISE PERMITTED BY OWNER. COORDINATE AS REQUIRED.
14. ALL WORK TO BE SCHEDULED AS DIRECTED BY OWNER. COORDINATE AS REQUIRED.
15. CONDUCT BUILDING OBSERVATION AND BECOME THOROUGHLY FAMILIAR WITH ALL EXISTING CONDITIONS AFFECTING THE WORK.
16. REVIEW, COORDINATE, AND SCHEDULE INSTALLATION OF WORK WITH OTHER TRADES.
17. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION AFFECTING THE WORK.
18. IT IS THE INTENT OF THESE DRAWINGS THAT THE FIRE SPRINKLER SYSTEM REVISIONS BE COMPLETE, WORKING, TESTED, AND OPERATIONAL.
19. INCLUDE ALL RELATED CUTTING, PATCHING AND/OR REMOVAL AND REPLACEMENT OF EXISTING WALLS, FLOORS & CEILINGS UNLESS OTHERWISE INDICATED.
20. IDENTIFY PIPING LOCATED ABOVE CEILINGS PRIOR TO CEILING GRID INSTALLATION.

FIRE STOPPING NOTE:

FIRE STOPPING: COMPLY WITH STATE REGULATIONS REGARDING THE PROTECTION OF FIRE RESISTIVE WALLS, FLOORS, CEILINGS OR ROOFS, PENETRATED BY PIPING, PENETRATIONS INTO OR THROUGH FIRE RATED WALLS, FIRE BARRIERS, SHAFT AND VERTICAL EXIT ENCLOSURES, FIRE PARTITIONS, SMOKE BARRIERS, AND HORIZONTAL ASSEMBLIES SHALL COMPLY WITH SECTION 711 OF THE IBC. PENETRATIONS SHALL BE PROTECTED BY AN APPROVED PENETRATION FIRE STOP SYSTEM INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E 814, WITH A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF 0.01 INCH OF WATER AND SHALL HAVE AN F RATING OF NOT LESS THAN THE REQUIRED FIRE-RESISTANCE RATING OF THE WALL PENETRATED. THE INSTALLER SHALL BE TRAINED AND CERTIFIED BY THE FIRE STOPPING MANUFACTURER. A COPY OF THIS CERTIFICATION, SHOWING THE INSTALLERS NAME, SHALL BE PROVIDED TO THE OWNER.



1 FIRE PROTECTION PLAN
3/16" = 1'-0"

Project Title: **WESTERN TECHNICAL COLLEGE
KUMM CENTER STUDENT UNION REMODEL**

Project Number: **25041**
Project Date: **FEBRUARY 2026**
Drawn By: **RGJ**

Key Plan:

No.	Description	Date

Graphic Scale:

Last Update:

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FP101

Project Location: **400 6th St N
La Crosse WI 54601**
Sheet Title: **FIRE PROTECTION PLAN**

HVAC SYMBOLS

HVAC GENERAL SYMBOLS

HVAC DUCTWORK SYMBOLS

HVAC PIPING SYMBOLS

HVAC PIPING SYSTEM ABBREVIATIONS

SYSTEM ABBREVIATION	SYSTEM TYPE
HWS	HOT WATER HEATING SUPPLY
HWR	HOT WATER HEATING RETURN
CWS	CHILLED WATER SUPPLY
CWR	CHILLED WATER RETURN
GTS	GEOTHERMAL WATER SUPPLY
GTR	GEOTHERMAL WATER RETURN
CD	CONDENSATE DRAIN
RS	REFRIGERANT SUCTION
RL	REFRIGERANT LIQUID
RD	REFRIGERANT DISCHARGE
HPS	STEAM HIGH PRESSURE SUPPLY
HPR	STEAM HIGH PRESSURE RETURN
LPS	STEAM LOW PRESSURE SUPPLY
LPR	STEAM LOW PRESSURE RETURN
PD	PUMP DISCHARGE
LP GAS	NATURAL GAS
NGAS	NATURAL GAS
HWS	EXISTING HOT WATER HEATING SUPPLY
HWR	EXISTING HOT WATER HEATING RETURN
CWS	EXISTING CHILLED WATER SUPPLY
CWR	EXISTING CHILLED WATER RETURN
GTS	EXISTING GEOTHERMAL WATER SUPPLY
GTR	EXISTING GEOTHERMAL WATER RETURN
CD	EXISTING CONDENSATE DRAIN
RS	EXISTING REFRIGERANT SUCTION
RL	EXISTING REFRIGERANT LIQUID
RD	EXISTING REFRIGERANT DISCHARGE
HPS	EXISTING STEAM HIGH PRESSURE SUPPLY
HPR	EXISTING STEAM HIGH PRESSURE RETURN
LPS	EXISTING STEAM LOW PRESSURE SUPPLY
LPR	EXISTING STEAM LOW PRESSURE RETURN
PD	EXISTING PUMP DISCHARGE
LP GAS	EXISTING LP GAS
NGAS	EXISTING NATURAL GAS

HVAC EQUIPMENT ABBREVIATIONS

ACC-1	AIR COOLED CHILLER
AC	AIR CONTAINMENT
AFMS-1	AIR FLOW MEASURING STATION
AHU-1	AIR HANDLING UNIT
AFS	AIR FILTER SEPARATOR
AV-1	AIR VALVE
B-1	BOILER
BLOW-1	BLOWER COIL UNIT
BOP-1	BOILER CIRCULATING PUMP
CONV	CONVECTOR
C-1	COOLING COIL UNIT
CC-1	CEILING CASSETTE
CF-1	CONDENSATE FAN
OP-1	CONDENSATE PUMP
CO-1	COOLING COIL UNIT
CU-1	CONDENSING UNIT
CUH-1	CABINET UNIT HEATER
CWP-1	CHILLED WATER PUMP
CX-1	CEILING EXHAUSTER
DC	DUCT COIL
DT	DESTRATIFICATION FAN
DH-1	DUCT HEATER
DOAS-1	DEDICATED OUTDOOR AIR SYSTEM
EXH	EXHAUST FAN
ERC-1	ENERGY RECOVERY COIL
ERCP-1	ENERGY RECOVERY COIL PUMP
ERV	ENERGY RECOVERY VENTILATOR
ET-1	EXPANSION TANK
F-1	FURNACE
FCU-1	FAN COIL UNIT
FFU-1	FAN FILTER UNIT
FM-1	FLOW METER
GR	GRILLES, REGISTERS, AND DIFFUSERS
GHU-1	GAS FIRED UNIT HEATER
GX-1	GRAVITY EXHAUSTER
HUMID	HUMIDIFIER
HC-1	HEATING COIL
HCP-1	HEATING COIL PUMP
HW-1	HEAT WHEEL
HW-1	HEATING WATER PUMP
IRH-1	INFRARED HEATER
IRH-1	KITCHEN EXHAUST HOOD
KX-1	MAKE-UP AIR UNIT
MAU-1	MAKE-UP AIR UNIT
MSP	MINI-SPLIT UNIT
P-1	PUMP
PF-1	PROPELLER FAN
PRV-1	PRESSURE REDUCING VALVE
PTAFMS-1	PACKAGED TERMINAL AIR CONDITIONING UNIT
RF-1	RETURN/RELIEF FAN
RFP-1	RADIANT FLOOR PUMP
RH-1	ROOF HOOD
RH-1	REHEAT COIL
RP-1	RADIANT PANEL
RNS-1	ROOF FINNED UNIT
RL-1	ROOF EXHAUSTER
SA-1	SOUND ATTENUATOR
SC-1	SELF CONTAINED UNIT
SF-1	SUPPLY FAN
SFU-1	SUPPLY FEEDER UNIT
ST-1	SOUND TRAP
TC-1	TEMPERATURE CONTROL PANEL
UB-1	UTILITY BLOWER
UH-1	UNIT HEATER
UV-1	UNIT VENTILATOR
VAV-1	VARIABLE AIR VOLUME BOX
VFD	VARIABLE FREQUENCY DRIVE
WC-1	WATER CHILLER
WF-1	WALL FIN
WFLU-1	WALL FILTER UNIT
WX-1	WALL EXHAUSTER
WV-1	WALL VENT

HVAC DUCTWORK SYSTEM ABBREVIATIONS

SYSTEM ABBREVIATION	SYSTEM TYPE
SA	SUPPLY AIR
RA	RETURN AIR
EA	EXHAUST AIR
OA	OUTSIDE AIR
TA	TRANSFER AIR
EA	EXISTING SUPPLY AIR
RA	EXISTING RETURN AIR
EA	EXISTING EXHAUST AIR
OA	EXISTING OUTSIDE AIR
TA	EXISTING TRANSFER AIR

HVAC GRILLES, REGISTERS & DIFFUSERS ABBREVIATIONS

ABBREVIATION	SYSTEM TYPE
E-1	EXHAUST GRILLE
R-1	RETURN GRILLE
S-1	SUPPLY GRILLE
T-1	TRANSFER GRILLE
E	EXISTING GRILLE

FIRESTOP LEGEND:

MECHANICAL SHEET INDEX

SHEET #	SHEET NAME
M001	HVAC GENERAL INFO SHEET
M100	MECHANICAL REMODEL SHEET
M500	HVAC DETAILS

HVAC GENERAL NOTES:

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH NATIONAL, STATE, & CODES; AS WELL AS, THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
- ON MECHANICAL "M" - SERIES DRAWINGS, ITEMS THAT ARE DARK LINES SHALL BE NEW WORK & ITEMS THAT ARE LIGHT LINES SHALL BE EXISTING TO REMAIN.
- ON MECHANICAL "M09" - SERIES DRAWINGS, ITEMS THAT ARE DARK DASHED LINES SHALL BE REMOVED & ITEMS THAT ARE LIGHT LINES SHALL BE EXISTING TO REMAIN.
- AIR VENTS SHALL BE INSTALLED AT ALL HIGH POINTS & DRAINS AT ALL LOW POINTS OF WATER PIPING SYSTEMS. PIPING CONNECTIONS WITH UNIONS OR FLANGES SHALL BE MADE TO COLLS OR TUBE BUNDLES TO FACILITATE REMOVAL OF THAT ITEM WITHOUT DISTURBING THE BRANCH VALVES AND/OR PIPING.
- ALL DUCTWORK SHALL BE CONSTRUCTED TO SMACNA STANDARDS IN ACCORDANCE WITH THE APPROPRIATE PRESSURE CLASSIFICATION.
- DUCTWORK SIZE LISTED ON PLANS ARE INTERNAL FREE AREA DIMENSIONS. THE FIRST FIGURE OF DUCT SIZE INDICATES DIMENSION OF FACE SHOWN OR INDICATED.
- NORMALLY CLOSED
- NOT IN CONTRACT
- NORMALLY OPEN
- NOMINAL
- NOMINAL PIPE SIZE
- NOT TO SCALE
- OUTSIDE AIR
- OUTSIDE AIR TEMPERATURE
- OPPOSED BLADE DAMPER
- ON CENTER
- OUTSIDE DIAMETER
- OWNER FURNISHED, CONTRACTOR INSTALLED
- OWNER FURNISHED, OWNER INSTALLED
- PRESSURE DROP
- PRESSURE REDUCING STATION
- PRESSURE REDUCING VALVE
- POUNDS PER SQUARE INCH
- PSI
- PSI GAUGE
- POLYVINYL CHLORIDE
- ROUND DIAMETER
- RETURN AIR TEMPERATURE
- ROOM
- REVOLUTIONS PER MINUTE
- SAT
- SQUARE FEET
- SHEET
- STATIC PRESSURE
- SPECIFICATION
- SPEED
- STAINLESS STEEL
- STD
- STANDARD
- SW
- TA
- TEMPERATURE
- TEMP
- TO FLOOR ABOVE
- TO FLOOR BELOW
- TOP OF BEAM
- TOD
- TOP OF DUCT
- TOP OF PIPE
- TSP
- TOTI
- TOTI STATIC PRESSURE
- TSTAT
- TYP
- UNDERCUT DOOR
- UC
- UNLESS NOTED OTHERWISE
- UP THRU ROOF
- UTR
- VOL
- VEL
- VFD
- W/B
- W/B
- WITH

HVAC PIPE SIZING CHART

REQUIRED PIPE SIZE	COPPER PIPE GPM	IRON PIPE GPM
1/2"	0 - 1.1	
3/4"	1.2 - 3.0	
1"	3.1 - 6.6	
1-1/4"	6.7 - 11.3	6.8 - 14.0
1-1/2"	11.4 - 18.0	14.1 - 21.0
2"	18.1 - 38.0	21.1 - 41.0
2-1/2"	38.1 - 69.0	41.1 - 66.0
3"	69.1 - 109.0	66.1 - 119.0
4"		119.1 - 242.0
5"		242.1 - 440.0
6"		440.1 - 710.0

DIVISION 23 - HEATING, VENTILATING, AIR CONDITIONING

DESCRIPTION OF WORK

- GENERAL:
 - PROVIDE COMPLETE HEATING, VENTILATING AND AIR CONDITIONING SYSTEM. THE MECHANICAL TRADE SHALL MAKE FULL ALLOWANCE TO COVER SUCH CONTINGENCIES AS ACTUAL LENGTH AND ROUTING OF DUCTWORK, PIPING, EQUIPMENT LOCATIONS, ETC. COORDINATE WITH OTHER TRADES FOR EXACT LOCATION OF WALLS, BEAMS, SHAFTS, PIPES, LIGHTS, ETC.
- STEEL SUPPORTS AND HANGERS:
 - STEEL ANGLE OR PIPE SUPPORTS FOR FLOOR MOUNTED EQUIPMENT AND STEEL HANGERS FOR SUSPENDED EQUIPMENT, INCLUDING SUPPLEMENTAL BEAMS OR ANGLES MOUNTED TO BUILDING STRUCTURE, WILL BE FURNISHED AND INSTALLED UNDER APPROPRIATE MECHANICAL SECTION, DESIGNED TO CARRY TOTAL SUPPORTED WEIGHT.
- CONCRETE PADS AND BASES:
 - PROVIDE CONCRETE EQUIPMENT PADS FOR ALL FLOOR MOUNTED EQUIPMENT. MINIMUM 3 1/2" THICK, SIZED FOR THE PURPOSE INTENDED.
- ELECTRICAL STARTERS:
 - OVERLOAD RELAY HEATER COILS, DISCONNECT SWITCHES AND FUSES, RELAYS, WIRE, CONDUIT, PUSHBUTTONS, PILOT LIGHTS, AND OTHER DEVICES REQUIRED FOR THE CONTROL OF MOTORS OR ELECTRICAL EQUIPMENT ARE FURNISHED AND INSTALLED UNDER DIVISION 26, ELECTRICAL, EXCEPT AS SPECIFICALLY NOTED ELSEWHERE IN THIS DIVISION OF SPECIFICATIONS:
 - MECHANICAL EQUIPMENT HAVING STARTERS MOUNTED IN PANELS INTEGRAL WITH UNITS.
 - STARTERS WHICH MUST BE FURNISHED WITH EQUIPMENT BY MANUFACTURER.
 - DISCONNECT SWITCHES:
 - DISCONNECT SWITCHES FOR MECHANICAL EQUIPMENT WILL BE FURNISHED UNDER DIVISION 26, ELECTRICAL, EXCEPT THAT SOME MECHANICAL EQUIPMENT MAY INCLUDE A BUILT-IN DISCONNECT SWITCH, IN WHICH CASE THIS WOULD BE INDICATED UNDER THE RESPECTIVE EQUIPMENT SPECIFICATION/SCHEDULE.
 - WIRING:
 - WIRING OF ELECTRIC MOTORS AND STARTERS FURNISHED IN CONNECTION WITH MECHANICAL WORK, INCLUDING MOUNTING OF STARTERS FURNISHED UNDER DIVISION 23, WILL BE DONE UNDER DIVISION 26 ELECTRICAL.
- REGULATORY REQUIREMENTS:
 - CONFORM TO STATE AND LOCAL CODES.
 - COMPLY WITH AND PAY FEES FOR ALL PERMITS AND INSPECTIONS.
 - CLEAN-UP.
- WARRANTY:
 - PROVIDE 2-YEAR WARRANTY ON PROJECT. SEE FRONT END SPECIFICATIONS FOR DETAILS.

HOT WATER PIPING

- ABOVE GROUND, SCHEDULE 40 BLACK STEEL WITH 150# STEEL WELD OR 125# C1 SCREEN FITTING, OR TYPE L HARD COPPER.
- 2" AND SMALLER: TYPE L HARD COPPER WITH WROUGHT CONNECTIONS, SOLDER JOINT
- 2" AND LARGER: STEEL PIPING, MAY BE WELDED, OR GROUDED
- PIPING TO BE RUN CONCEALED IN WALLS, SHAFTS OR SUSPENDED CEILINGS (SLEEVED), MAKE PROVISIONS FOR EXPANSION.
- VENT ALL HIGH POINTS AND DRAIN ALL LOW POINTS.

PIPE AND PIPE FITTINGS

- ASTM SPECIFICATIONS FOR PIPING AND JOINTING.

TESTING

- ALL NEW NATURAL GAS, HOT WATER, CHILLED WATER, STEAM, CONDENSATE, REFRIGERANT, & WATER SOURCE HEAT PUMP LOOP PIPING.

SYSTEM	TEST	HOLD PERMISSIBLE	PERIOD	PRESSURE	PRESSURE DROP
Hot Water Heating	Hydrostatic	100 PSIG	4 Hrs.	2 PSI	

PIPING SUPPORT DEVICES

- GRINNELL, UNISTRUT, FEE & MASON, ELCCN.
- HANGERS, CLAMPS AND SUPPORTS.
- SPECIAL TYPE WITH COPPER.
- ROOF PIPE SUPPORTS: (WOOD BLOCKS NOT ACCEPTABLE)
 - GAS LINES UP TO 2-1/2": PORTABLE PIPE HANGER MODEL S58 WITH ROLLER ADJUSTABLE 10" ABOVE ROOF (BASED ON PHP SYSTEMS OR EQUAL)
 - PROVIDE ADDITIONAL PIECE OF ROOF MEMBRANE BELOW EACH SUPPORT.

PIPING SPECIALTIES

- THERMOMETERS
 - INCLUDE BRASS WELLS FOR INSTALLING IN PIPING.
 - DIGITAL VARI-ANGLE, SOLAR POWERED, RANGE OF 40-300°F
- PRESSURE GAUGES
 - 4-1/2" DIAL, BRASS TUBE AND SOCKET
 - INCLUDE GAUGE VALVES AND SNUBBERS
- STRAINERS
 - Y-TYPE, CAST IRON BODY, STAINLESS STEEL SCREENS, BLOWOFF VALVE WITH CAP
- HOSE CONNECTORS
 - PROVIDE THREADED CONNECTOR OF SIZE AND LOCATION SHOWN ON PLAN.

AIR FLOW TOLERANCES:

- SUPPLY, RETURN AND EXHAUST FANS: ZERO TO +10%.
- SUPPLY OUTLETS: ZERO TO +10%.
- RETURN/EXHAUST INLETS: ZERO TO -10%.
- ROOM PRESSURIZATION AIR: -5% TO +5%.

WATER FLOW TOLERANCES:

- HEATING WATER GPM: ZERO TO -10%.
- COOLING WATER GPM: -5% TO +5%.

PIPE INSULATION

- J.M. ARMSTRONG, CERTAINTeed, KNAUF OR OWENS-CORNING.
- HEATING HOT WATER PIPING: MICRO-LOK HP ULTRA FIBERGLASS WITH SELF-SEALING POLYPROPYLENE-COATED VAPOR BARRIER JACKET.
- FIBERGLASS BLANKET OR BOARD WITH FIRE-SAFE JACKET (MIN. R-6 PER 2021 IECC C403.12.3).
 - 1.5" TO < 8" - 2.0" FIBERGLASS OR ARMAFLEX, WITH FIRE-SAFE JACKET (MIN. R-6 PER 2021 IECC C403.12.3).
- PROVIDE METAL PROTECTION SHIELD FOR INSULATION AT HANGER POINTS. INSULATION SHALL BE CONTINUOUS.
- ALL INSULATION AND LINER COMPONENTS SHALL HAVE COMPOSITE FIRE AND SMOKE HAZARD RATINGS MEETING NFPA 90A AND 90B, FLAME SPREAD INDEX 25 AND SMOKE DEVELOPED INDEX 50.

DUCT INSULATION

- J.M. ARMSTRONG, CERTAINTeed, KNAUF OR OWENS-CORNING.
- FIBERGLASS BLANKET OR BOARD WITH FIRE-SAFE JACKET (MIN. R-6 PER 2021 IECC C403.12.3).
- SUPPLY & EXHAUST AIR SHALL BE INSULATED.
- SUPPLY DUCTS SHALL BE INSULATED AS REQUIRED BY STATE AND LOCAL CODES AND AS REQUIRED TO PREVENT CONDENSATION ON DUCTWORK.
- COOLING SUPPLY AIR, 1-1/2" INCH 34# BLANKET OR 1 INCH 3# DENSITY BOARD (MIN. R-6 PER 2021 IECC C403.12.1).
- ACOUSTICAL LINER:
 - MOLD RESISTANT BLACK CLOSED CELL ELASTOMERIC SELF-ADHERING THERMAL INSULATION. FORMALDEHYDE-FREE, FIBER FREE, LOW VOC, MICROBAM, GREENGUARD CERTIFIED.
 - TRANSFER DUCTWORK, 1 INCH.
- DUCT INSULATION ON COLD SURFACES SHALL HAVE CONTINUOUS VAPOR BARRIER.
- INSULATE EXHAUST DUCTS BETWEEN THE BACKDRAFT DAMPER AND THE DISCHARGE TO THE OUTSIDE. EXTEND INSULATION 10'-0" MIN. INTO BUILDING (SEE DETAIL).
- 1" ACOUSTIC DUCT LINER ON ALL RETURN TRANSFER GRILLES & WHERE INDICATED ON PLAN WITH DASHED LINES/HATCHING.
- INSULATION THICKNESS SHALL SATISFY STATE AND LOCAL CODE REQUIREMENTS.
- ALL INSULATION AND LINER COMPONENTS SHALL HAVE COMPOSITE FIRE AND SMOKE HAZARD RATINGS MEETING NFPA 90A AND 90B, FLAME SPREAD INDEX 25 AND SMOKE DEVELOPED INDEX 50.
- DO NOT PENETRATE INSULATION JACKET WITH DUCT SUPPORTS. INSULATION SHALL BE CONTINUOUS.

ARCHITECTURE ENGINEERING INTERIOR DESIGN



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 KUMM CENTER STUDENT UNION REMODEL
 Project Title: _____
 Project Location: 400 6th St N
 La Crosse WI 54601
 Project Number: _____
 Sheet Title: _____
 Hvac General Info Sheet

Project Number: **25041**

Project Date: **FEBRUARY 2026**

Drawn By: **JB**

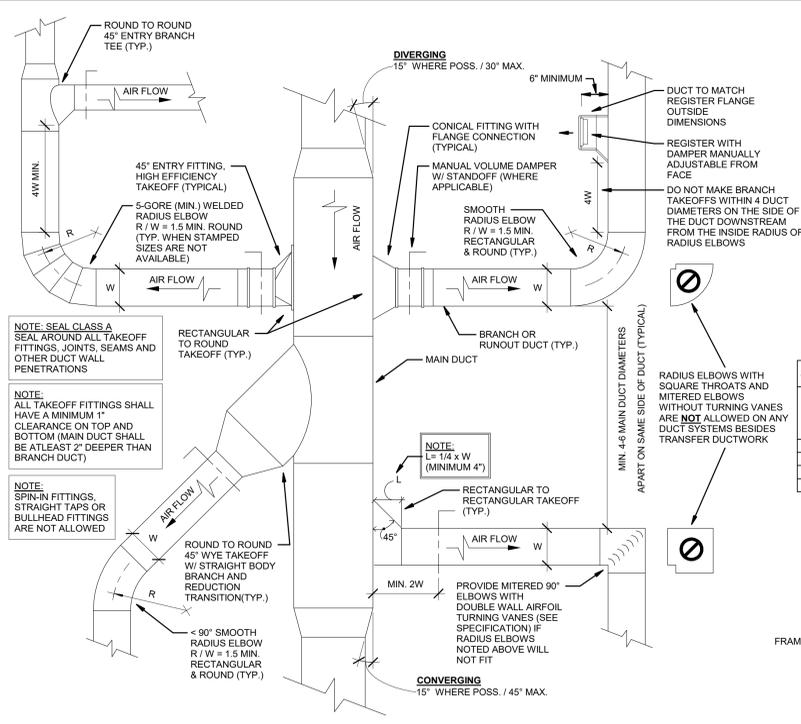
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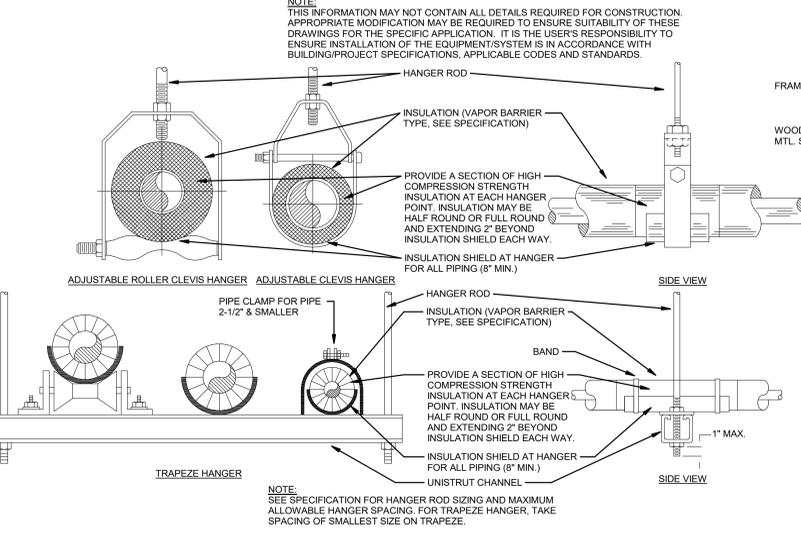
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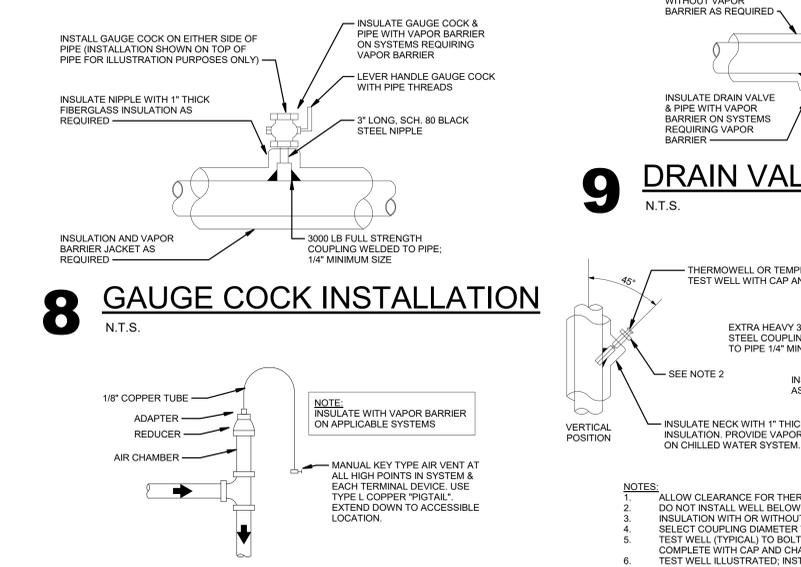
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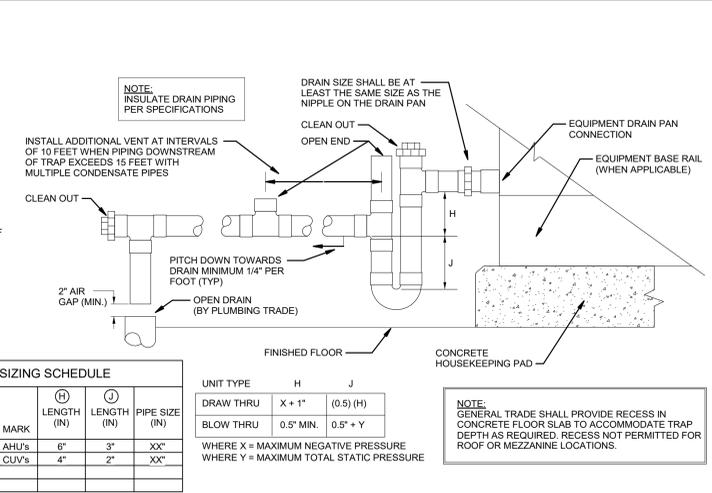
1 DUCT BRANCH TAKE-OFF
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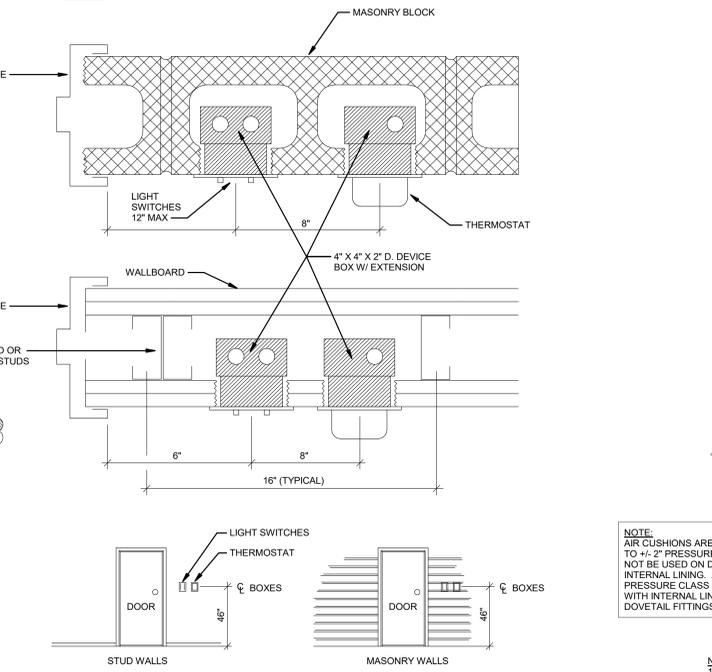
5 PIPE HANGER DETAIL
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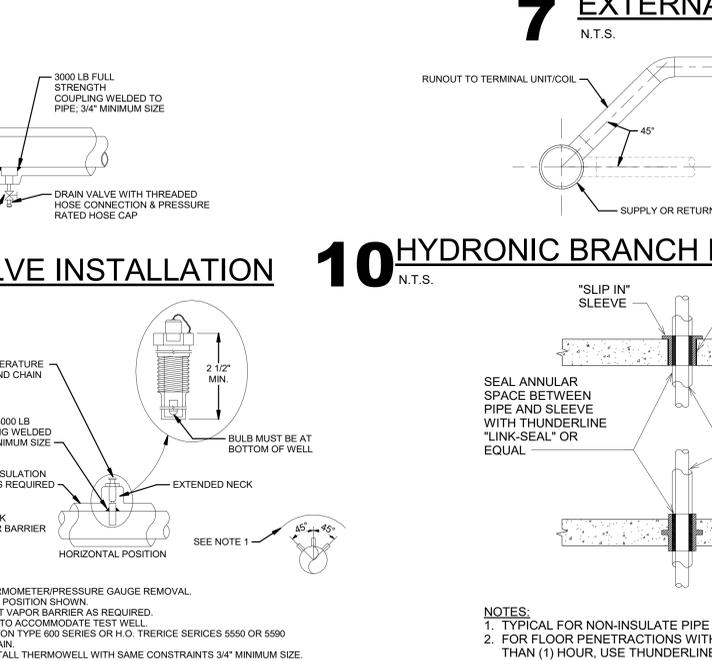
8 GAUGE COCK INSTALLATION
N.T.S.



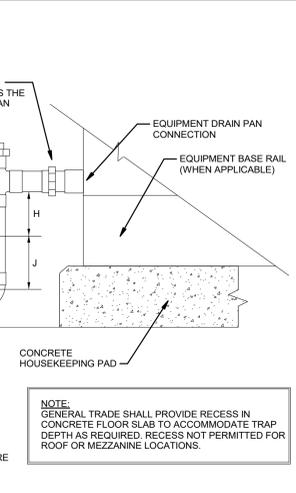
2 CONDENSATE DRAIN TRAP DETAIL
N.T.S.



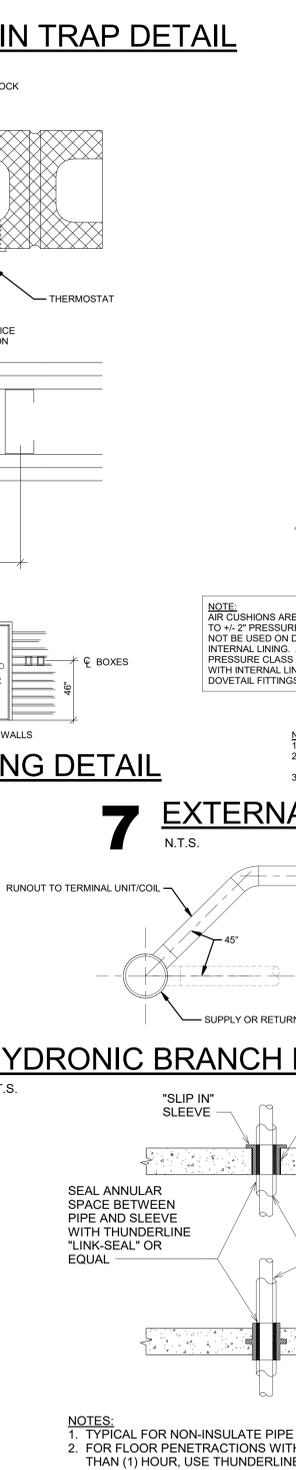
6 THERMOSTAT MOUNTING DETAIL
N.T.S.



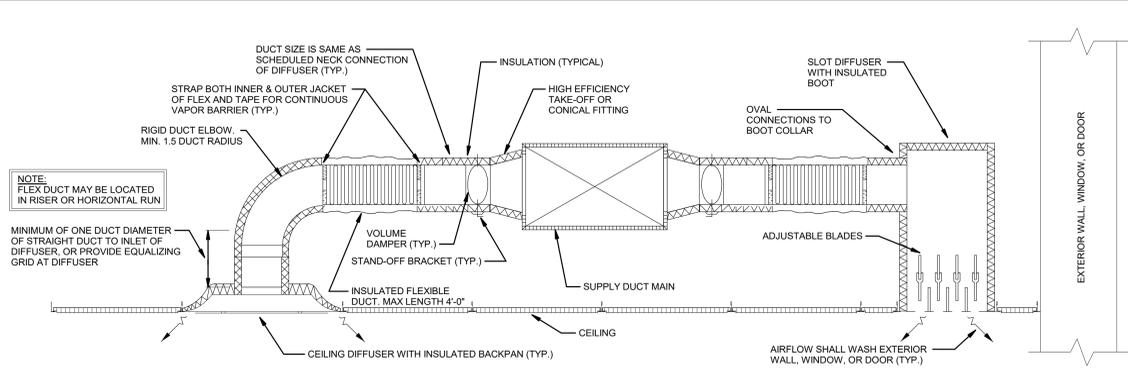
9 DRAIN VALVE INSTALLATION
N.T.S.



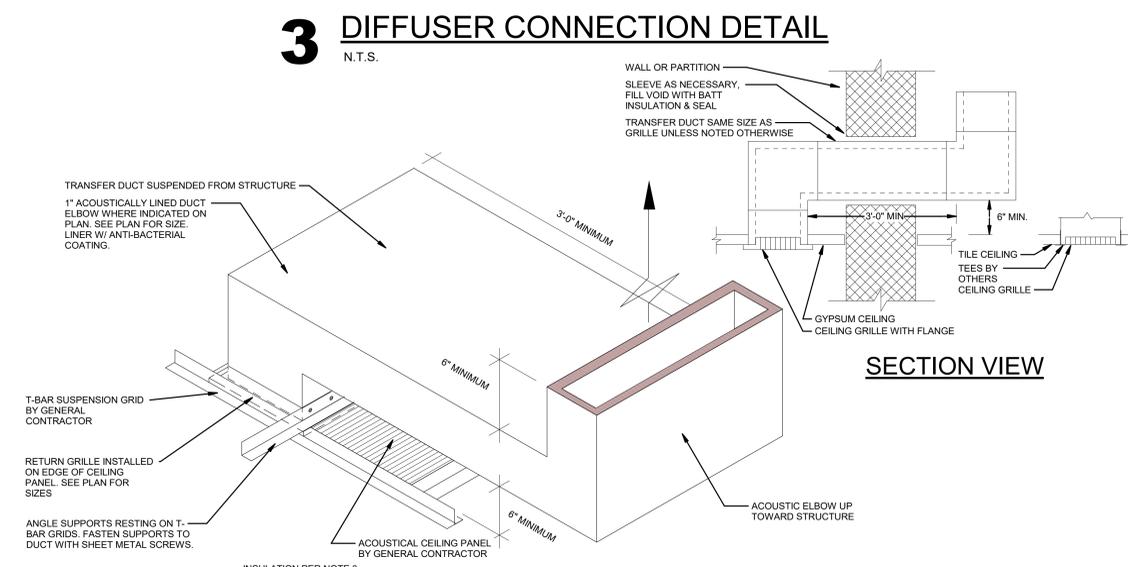
10 HYDRONIC BRANCH RUNOUT DETAIL
N.T.S.



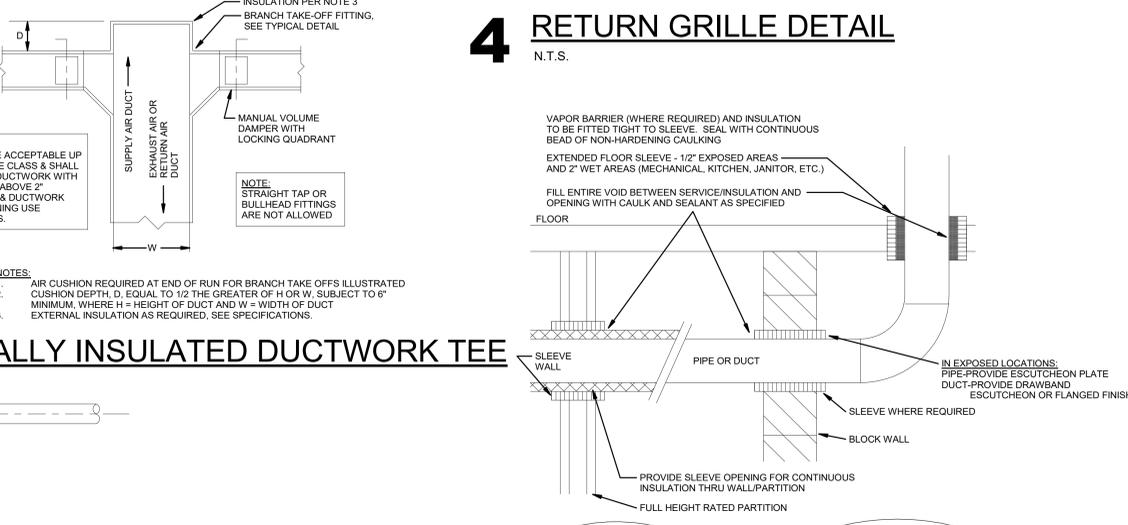
13 PIPE PENETRATION THRU CONCRETE SLAB
N.T.S.



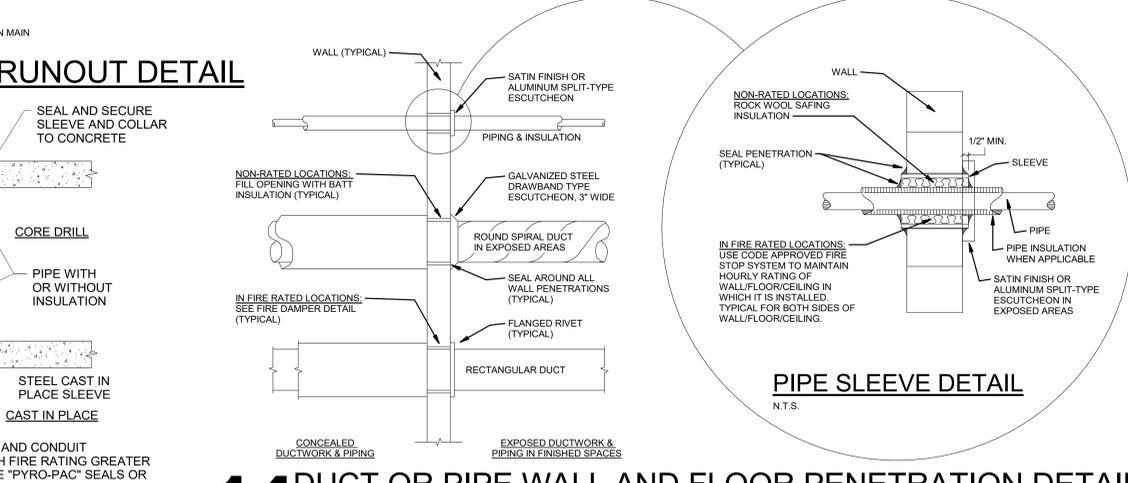
3 DIFFUSER CONNECTION DETAIL
N.T.S.



4 RETURN GRILLE DETAIL
N.T.S.



7 EXTERNALLY INSULATED DUCTWORK TEE
N.T.S.



14 DUCT OR PIPE WALL AND FLOOR PENETRATION DETAIL
N.T.S.



11 MANUAL AIR VENT DETAIL
N.T.S.



12 THERMOWELL/TEST WELL INSTALLATION
N.T.S.



14 DUCT OR PIPE WALL AND FLOOR PENETRATION DETAIL
N.T.S.



PHOTO #1

2314

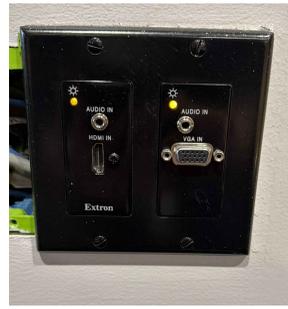


PHOTO #2

2301



PHOTO #3

2306



PHOTO #4

2282

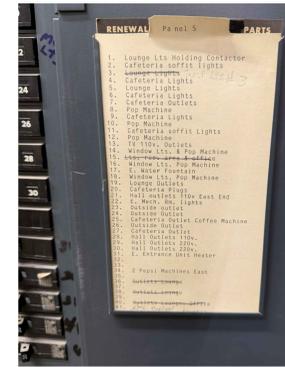


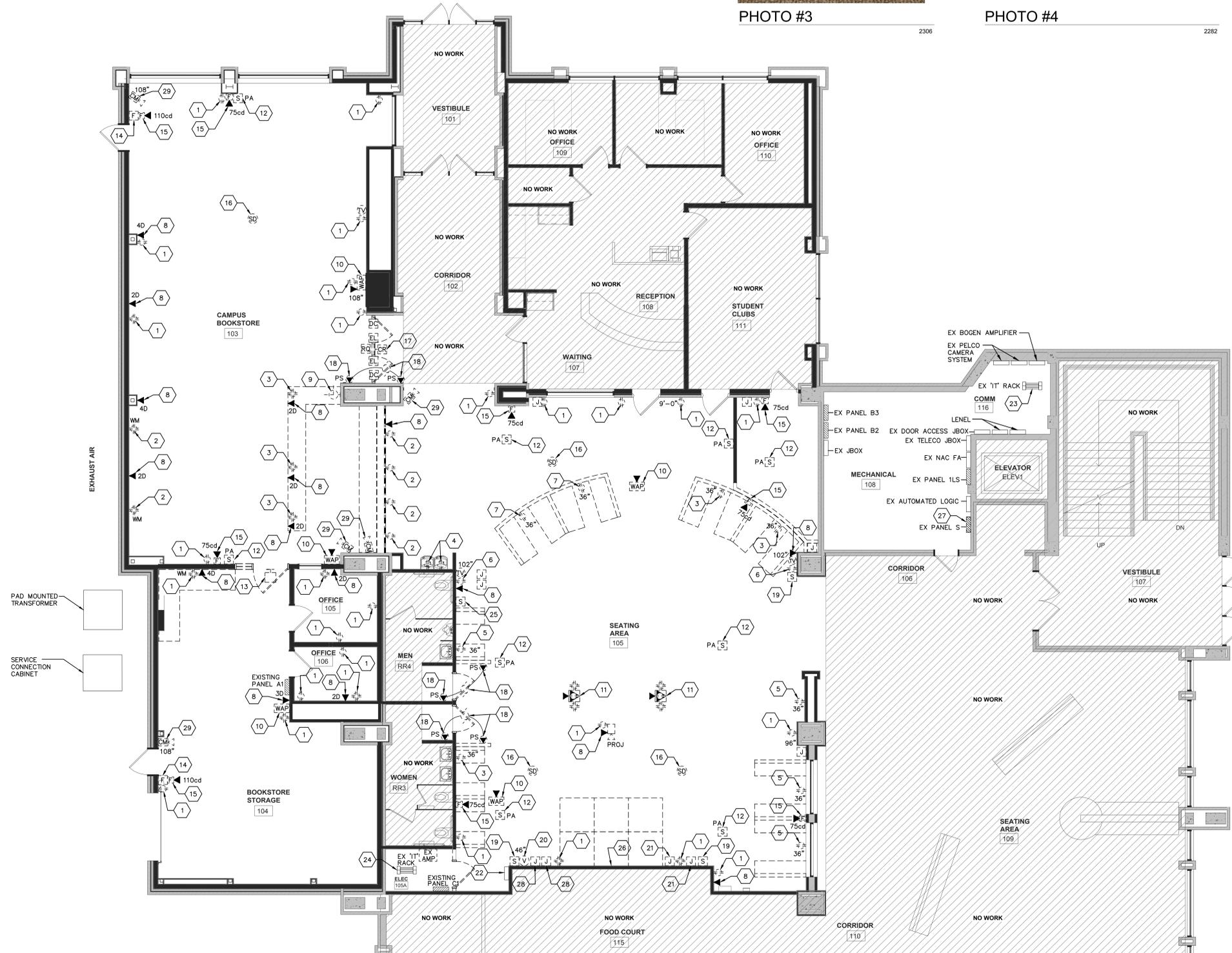
PHOTO #5

2355



PHOTO #6

2356



- GENERAL REMOVAL NOTES:**
- DEMOLITION NOTES AND SYMBOLS ARE BASED UPON EXISTING DRAWINGS AND CASUAL OBSERVATION OF BUILDING AND DOES NOT INCLUDE A COMPLETE LIST OF DEMOLITION ITEMS.
 - RECOMMEND ELECTRICAL CONTRACTOR VISIT EXISTING SITE TO DETERMINE SCOPE OF WORK PRIOR TO SUBMITTING BID.
 - NO EXISTING ELECTRICAL ITEMS REMOVED SHALL BE REUSED FOR THIS PROJECT UNLESS NOTED OTHERWISE.
 - IT SHALL BE ALLOWED TO REUSE ALL EXISTING JUNCTION BOXES, CONDUIT, STRAPS, BRANCH-CIRCUIT WIRING AND SWITCH-LEG WIRING TO THE EXTENT POSSIBLE. IT IS **NOT** ALLOWED TO REUSE EXISTING LOW VOLTAGE WIRING UNLESS APPROVED BY WTC IT DEPARTMENT.
- KEYED ELECTRICAL REMOVAL PLAN NOTES POWER AND LOW VOLTAGE - ED02:**
- DISCONNECT, REMOVE AND DISPOSE OF EXISTING DUPLEX RECEPTACLE(S). REUSE EXISTING BRANCH-CIRCUIT WIRING, JUNCTION BOXES, CONDUIT, ETC. TO THE EXTENT POSSIBLE FOR REMODEL WORK.
 - DISCONNECT, REMOVE AND DISPOSE OF EXISTING SURFACE 'WIREMOLD' RACEWAY AND RECEPTACLES. REMOVE WIRING BACK TO SOURCE, DO NOT REUSE OR ABANDON IN PLACE.
 - DISCONNECT, REMOVE AND DISPOSE OF EXISTING DUPLEX RECEPTACLE(S). REMOVE EXISTING BRANCH-CIRCUIT WIRING, CONDUIT, JUNCTION BOXES, ETC. BACK TO SOURCE.
 - EXISTING DUPLEX RECEPTACLE TO REMAIN AS IS FOR WATER COOLER. FIELD VERIFY RECEPTACLE IS GFCI PROTECTED. IF THE RECEPTACLE IS NOT GFCI PROTECTED PROVIDE A GFCI CIRCUIT BREAKER FEEDING THIS BRANCH-CIRCUIT OR PROVIDE A GFCI DUPLEX RECEPTACLE.
 - DISCONNECT, REMOVE AND DISPOSE OF EXISTING DUPLEX RECEPTACLE(S). REUSE EXISTING BRANCH-CIRCUIT WIRING, JUNCTION BOXES, CONDUIT, ETC. TO THE EXTENT POSSIBLE FOR REMODEL WORK. HOWEVER, IT WILL BE REQUIRED TO LOWER THIS RECEPTACLE TO 18" ABOVE FINISHED FLOOR.
 - DISCONNECT, REMOVE AND DISPOSE OF EXISTING DUPLEX RECEPTACLE(S). REUSE EXISTING BRANCH-CIRCUIT WIRING, JUNCTION BOXES, CONDUIT, ETC. TO THE EXTENT POSSIBLE FOR REMODEL WORK. PLEASE NOTE THIS RECEPTACLE IS LOCATED HIGH ON THE WALL AND USED FOR WALL-MOUNTED INFORMATION MONITOR.
 - DISCONNECT, REMOVE AND DISPOSE OF EXISTING WALL TO BE DEMOLISHED. HOWEVER IT IS DESIRED TO INSTALL A FLOOR BOX IN THE LOCATION WHERE THE CONDUIT RISES ABOVE CONCRETE FLOOR TO FEED RECEPTACLE. IT WILL BE REQUIRED TO SAWCUT EXISTING CONCRETE FLOOR TO INSTALL NEW FLOOR BOX. REFER TO SHEET E300 FOR ADDITIONAL INFORMATION.
 - DISCONNECT, REMOVE AND DISPOSE OF EXISTING DATA JACKS). REMOVE LOW VOLTAGE WIRING BACK TO SOURCE. LOCATED IN COMM ROOM #116. DO NOT ABANDON IN PLACE OR REUSE. IT SHALL BE ALLOWED TO REUSE EMPTY CONDUIT, JUNCTION BOXES, ETC. FOR NEW DATA JACKS TO BE INSTALLED IN SAME LOCATION. COORDINATE THOROUGHLY WITH WTC IT DEPARTMENT.
 - DISCONNECT, REMOVE AND SALVAGE EXISTING CLOCK TO OWNER. DISCONNECT, REMOVE ASSOCIATED BRANCH-CIRCUIT WIRING BACK TO SOURCE.
 - DISCONNECT, REMOVE AND SALVAGE EXISTING WIRELESS ACCESS POINT TO WTC IT DEPARTMENT. REMOVE LOW VOLTAGE WIRING BACK TO SOURCE. LOCATED IN COMM ROOM #116. DO NOT ABANDON IN PLACE OR REUSE. TYPICAL.
 - EXISTING FLOOR BOX TO REMAIN AS IS. HOWEVER THE DATA JACKS WILL NO LONGER BE USED. REMOVE LOW VOLTAGE WIRING BACK TO SOURCE IF REASONABLE TO DO SO. IT WILL BE REQUIRED TO PROVIDE NEW FLOOR BOX COVERS. THE EXISTING COVER PLATE HAS BEEN DAMAGED TO OVERLAP. COORDINATE WITH 'WIREMOLD' REPRESENTATIVE FOR EXACT MODEL NUMBER FOR REPLACEMENT. COORDINATE WITH WTC FACILITY DEPARTMENT. REFER TO PHOTO #1/ED02.
 - DISCONNECT, REMOVE AND DISPOSE OF EXISTING PUBLIC ADDRESS SYSTEM SPEAKER. REMOVE ASSOCIATED LOW VOLTAGE WIRING BACK TO SOURCE, DO NOT REUSE OR ABANDON IN PLACE. PLEASE NOTE P.A. AMPLIFIER IS LOCATED IN COMM ROOM #116. TYPICAL.
 - DISCONNECT, REMOVE AND DISPOSE OF EXISTING DOORBELL SYSTEM. REMOVE ASSOCIATED LOW VOLTAGE WIRING BACK TO SOURCE. DO NOT REUSE OR ABANDON IN PLACE.
 - EXISTING MANUAL FIRE ALARM SYSTEM PULL STATION TO REMAIN AS IS.
 - DISCONNECT, REMOVE AND DISPOSE OF EXISTING WALL MOUNTED 'EST' FIRE ALARM SYSTEM NOTIFICATION DEVICE. PROVIDE A BLANK COVER PLATE FOR JUNCTION BOX. IT SHALL BE ALLOWED TO REUSE EXISTING FIRE ALARM SYSTEM WIRING TO THE EXTENT POSSIBLE FOR NEW REMODEL WORK.
 - DISCONNECT, REMOVE AND DISPOSE OF EXISTING CEILING MOUNTED 'EST' FIRE ALARM SYSTEM SMOKE DETECTOR. IT SHALL BE ALLOWED TO REUSE EXISTING FIRE ALARM SYSTEM WIRING TO THE EXTENT POSSIBLE FOR NEW REMODEL WORK.
 - DISCONNECT, REMOVE AND REINSTALL DOOR ACCESS CARD READER, DOOR CONTACTS. REQUEST TO EXIT AND ELECTRIC LOCK FOR NEW DOOR PROVIDED AS A REPLACEMENT. REUSE EXISTING DOOR ACCESS CONTROL WIRING TO THE EXTENT POSSIBLE. PLEASE NOTE 'LEVEL' DOOR ACCESS CONTROL PANELS ARE LOCATED IN COMM ROOM #116.
 - PLEASE NOTE EXISTING DOOR SHALL BE REMOVED AND REPLACED WITH NEW. DISCONNECT EXISTING MOTORIZED DOOR OPENER AND PUSH BUTTON(S) FOR DOOR OPENER AND RECONNECT TO NEW MOTORIZED DOOR OPENER FOR NEW REPLACEMENT DOOR. REUSE EXISTING LOW VOLTAGE CONTROL WIRING AND BRANCH-CIRCUIT WIRING TO THE EXTENT POSSIBLE. COORDINATE WITH GENERAL CONTRACTOR.
 - EXISTING A/V SYSTEM AUDIO SPEAKER TO REMAIN AS IS. PLEASE NOTE A/V SYSTEM EQUIPMENT RACK LOCATED IN ELECTRICAL ROOM #105A.
 - DISCONNECT, REMOVE AND DISPOSE OF EXISTING VOLUME CONTROL SWITCH. REMOVE EXISTING JUNCTION BOX, GENERAL CONTRACTOR SHALL REPAIR, PATCH AND PAINT WALL. REMOVE LOW VOLTAGE WIRING BACK TO SOURCE, DO NOT ABANDON IN PLACE.
 - DISCONNECT, REMOVE AND REINSTALL EXISTING A/V SYSTEM LOW VOLTAGE JACKS AS NOTED ON SHEET E300. THE INTENT IS TO REMOVE EXISTING A/V JACKS AND REINSTALL IN NEW LOCATION AS NOTED ON SHEET E300. REFER TO PHOTO #2/ED02 & PHOTO #3/ED02.
 - DISCONNECT, REMOVE AND REINSTALL EXISTING A/V SYSTEM TOUCH PAD CONTROL PANEL TO NEW SEATING AREA. REFER TO SHEET E300 FOR LOCATION. COORDINATE WITH WTC IT DEPARTMENT. REFER TO PHOTO #4/ED02.
 - LOCATION OF EXISTING COMMUNICATION EQUIPMENT RACK. IT WILL BE REQUIRED TO UPDATE EXISTING RACK WITH CAT6A DATA PATCH PANELS FOR NEW DATA JACKS TO BE INSTALLED. COORDINATE WITH WTC IT DEPARTMENT. REFER TO PHOTO #2/E300.
 - LOCATION OF EXISTING A/V EQUIPMENT RACK. REFER TO PHOTO #1/E300.
 - DISCONNECT, REMOVE AND SALVAGE EXISTING AUDIO WALL SPEAKER FOR REINSTALLATION AS NOTED ON SHEET E300. PLEASE NOTE A/V EQUIPMENT RACK LOCATED IN ELECTRICAL ROOM #105A.
 - ALL A/V JUNCTION BOXES ABANDONED ON THIS WALL SHALL BE REMOVED BY EC. THE WALL WILL NEED TO BE PATCHED AND PAINTED BY GENERAL CONTRACTOR. THIS WALL IS USED AS A VIDEO PROJECTION SCREEN WALL.
 - ELECTRICAL CONTRACTOR SHALL DISCONNECT, REMOVE AND DISPOSE OF EXISTING 'GENERAL ELECTRIC', 100AMP, 120/208VAC, 3-PHASE, 4-WIRE, 4-WIRE 42 SPACE, MAIN LUG ONLY PANELBOARD AND REPLACE WITH A NEW 125 AMP, 120/208VAC, 3-PHASE, 4-WIRE, MAIN-LUG ONLY 'SQUARE D' NQ PANELBOARD. NO EQUALS ACCEPTED. INCLUDE AS ALTERNATE BID #3. REFER TO PHOTOS #1/ED02 AND #6/ED02. RECOMMEND FIELD OBSERVATION PRIOR TO SUBMITTING BID TO DETERMINE SCOPE OF WORK. REFER TO PANELBOARD SCHEDULE.
 - EXISTING A/V SYSTEM LOW VOLTAGE JACKS TO REMAIN AS IS. HOWEVER IT IS REQUIRED TO INSTALL A NEW 3-GANG COVER PLATE. REFER TO PHOTO #2/ED02. COORDINATE WITH WTC IT DEPARTMENT.
 - DISCONNECT, REMOVE AND SALVAGE EXISTING CAMERA TO WTC IT DEPARTMENT. REMOVE LOW VOLTAGE WIRING BACK TO COMM ROOM #116.

1 ELECTRICAL POWER & LOW VOLTAGE REMOVAL PLAN
3/16" = 1'-0"

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WESTERN TECHNICAL COLLEGE
KUMM STUDENT UNION REMODEL

Project Title: WESTERN TECHNICAL COLLEGE
KUMM STUDENT UNION REMODEL

Project Location: 400 6th St. N.
La Crosse WI 54601

HSR Project Number: 25041

Project Date: FEBRUARY 2026

Drawn By: PLP

Key Plan:

Revisions:

No.	Description	Date

Graphic Scale: VARIES

Last Update: 2/03/2026

ED02



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Project Title: **WESTERN TECHNICAL COLLEGE
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Project Location: **400 6th St. N.
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Sheet Title: **ELECTRICAL LIGHTING PLAN**

Project Number:

25041

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PLP

Key Plan:

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E100



- GENERAL NOTES FOR LIGHTING:**
1. PROVIDE AN N-LIGHT AIR WIRELESS 1-ZONE/2-ZONE DIMMING SWITCH. REFER TO INSTALLATION DETAILS ON SHEETS E600-E606. PROGRAM AS DIRECTED BY OWNER.
 2. PROVIDE AN N-LIGHT AIR WIRELESS 1-ZONE/2-ZONE DIMMING SWITCH. REUSE EXISTING JUNCTION BOX AND 120VAC BRANCH-CIRCUIT WIRING TO ENERGIZE DIMMING SWITCH. REFER TO INSTALLATION DETAILS ON SHEETS E600-E606.
 3. PROVIDE AN N-LIGHT AIR WIRELESS 4-BUTTON PRE-SET SCENE DIMMING SWITCH. PROGRAM AS DIRECTED BY OWNER. REFER TO INSTALLATION DETAILS ON SHEETS E600-E606.
 4. PROVIDE AN N-LIGHT AIR WIRELESS 4-BUTTON PRE-SET SCENE DIMMING SWITCH. REUSE EXISTING MULTI-GANG JUNCTION BOX AND 120VAC BRANCH-CIRCUIT WIRING TO ENERGIZE SCENE CONTROL SWITCH. PROVIDE A STAINLESS STEEL COVER PLATE WITH INSERTS FOR UNUSED GANG SPACES. PROGRAM AS DIRECTED BY OWNER. REFER TO INSTALLATION DETAILS ON SHEETS E600-E606.
 5. PROVIDE A SINGLE-POLE LIGHT SWITCH. IT IS NOT ALLOWED BY NEC TO INSTALL AN OCCUPANCY SENSOR IN SAME AREA AS PANELBOARD PANEL.
 6. PROVIDE AN NLIGHT TOUCH PAD LIGHTING CONTROL PANEL PER N-LIGHT CONTROL DRAWINGS.
 7. SUSPEND TRACK LIGHTING FROM CEILING AS DIRECTED BY OWNER TO BEST ILLUMINATE STAGE.
 8. PROVIDE A 20 AMP, 120VAC BRANCH-CIRCUIT CONNECTED TO LIFE SAFETY BRANCH EMERGENCY PANELBOARD '1LS' LOCATED IN HUB ROOM #108.
 9. PROVIDE A 20 AMP, 120VAC BRANCH-CIRCUIT TO EXISTING PANELBOARD 'A1' LOCATED ADJACENT TO WORK ROOM 104F.
 10. PROVIDE A 20 AMP, 120VAC BRANCH-CIRCUIT TO EXISTING PANELBOARD 'C1' LOCATED IN IT/AV ROOM 105A.
 11. PROVIDE AN N-LIGHT POWER PACK/RELAY PACK FOR WIRELESS OPERATION.
 12. PROVIDE A 20 AMP, 3-POLE LIGHTING RELAY AND CONNECT TO EXISTING EXTERIOR WALL PACK TYPE LIGHTING FIXTURE. PROVIDE COIL VOLTAGE COMPATIBLE WITH BUILDING AUTOMATED LOGIC SYSTEM.
 13. CONNECT LIGHTING RELAY TO EXISTING BUILDING AUTOMATED LOGIC BAS SYSTEM CONTROL PANEL LOCATED IN HUB ROOM #108. COORDINATE PROGRAMMING OF EXTERIOR LIGHTING WITH WTC FACILITY DEPARTMENT.
 14. CONNECT EXISTING EXTERIOR WALL PACK LIGHTING FIXTURES TO LIGHTING RELAY AS REQUIRED. PLEASE NOTE THERE IS A 'HOT' BRANCH-CIRCUIT AT EXTERIOR LIGHTING FIXTURE. INTERRUPT EXISTING WIRING AS REQUIRED AND RE-ROUTE TO NEW LIGHTING RELAY.

1 ELECTRICAL LIGHTING PLAN
3/16" = 1'-0"



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Project Location:
400 6th St. N.
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Sheet Title:
ELECTRICAL POWER PLANS

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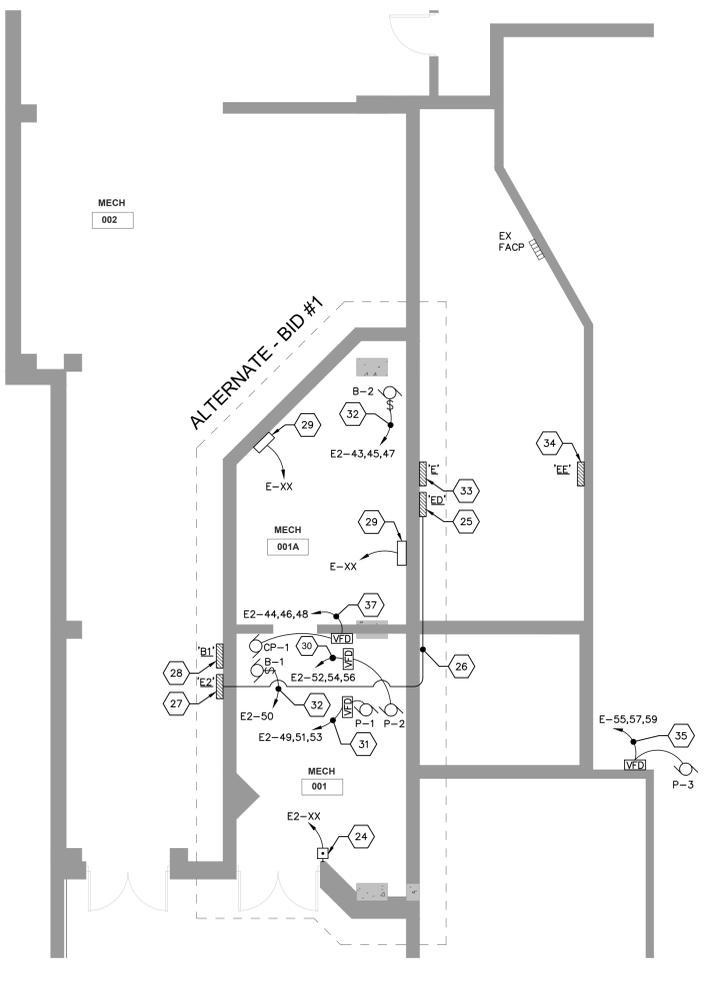
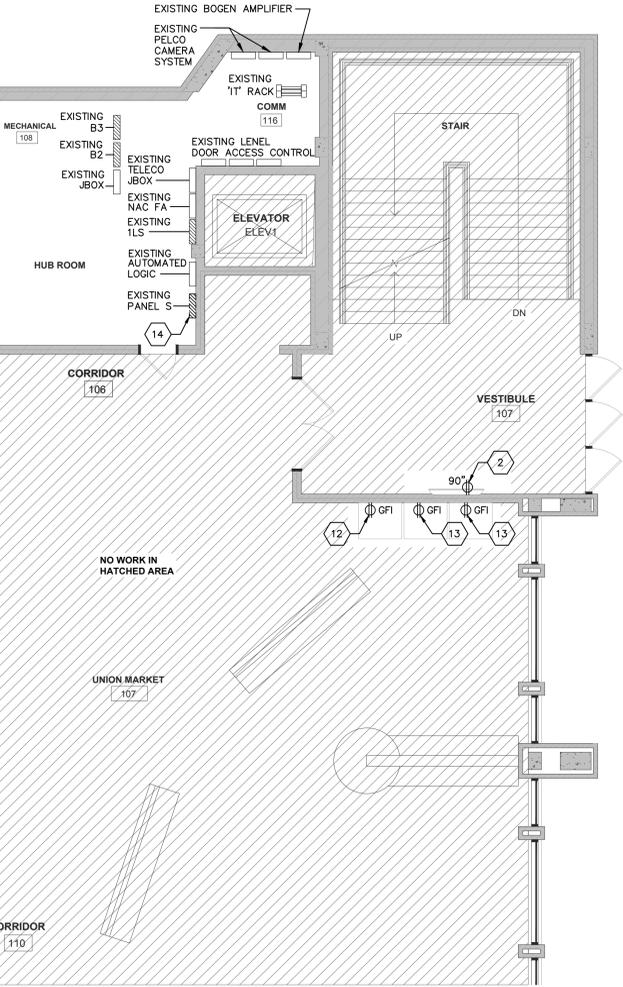
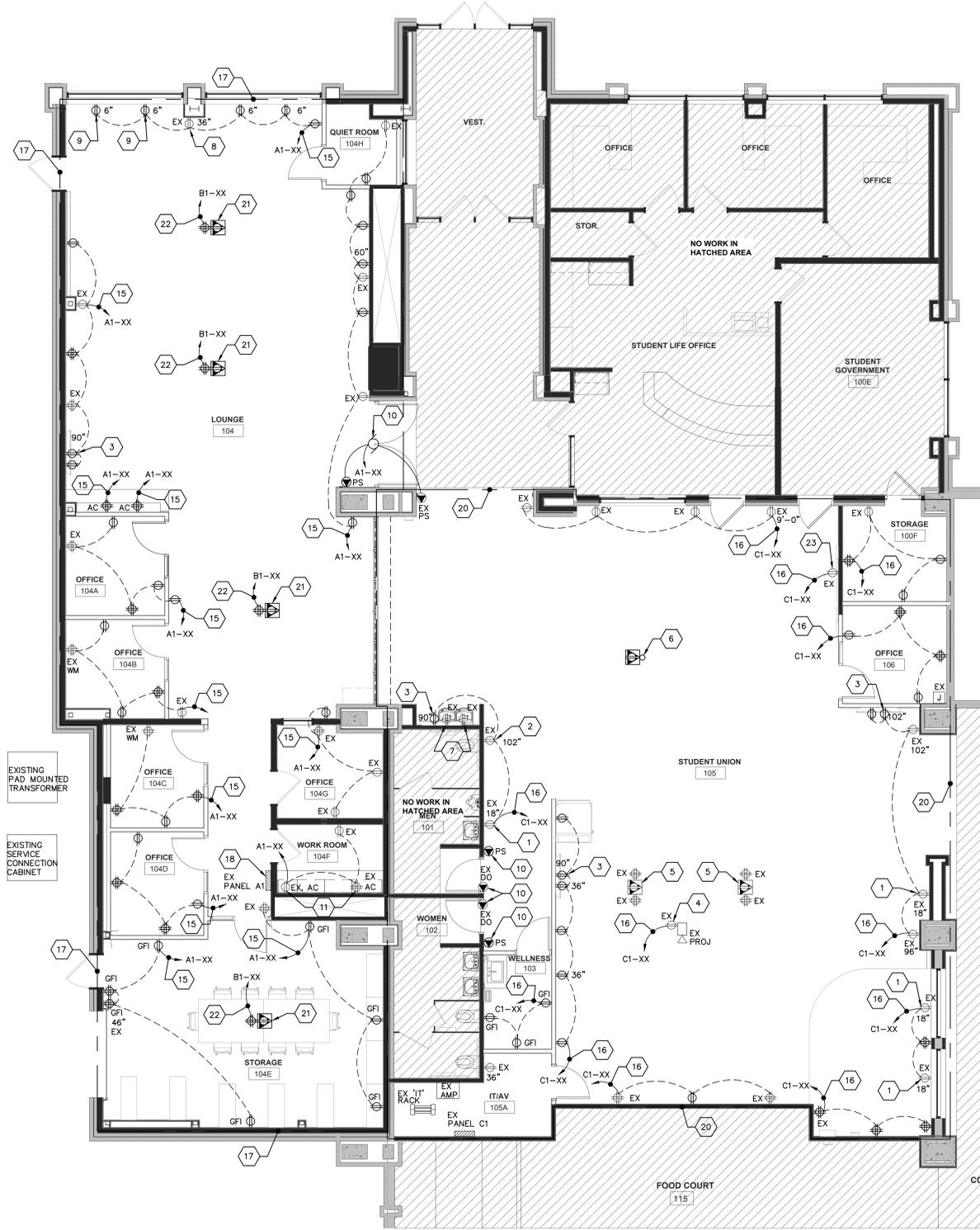
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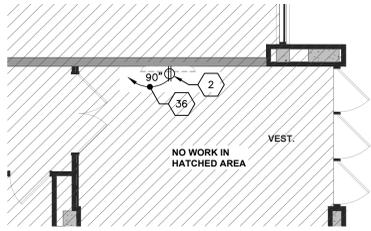
E200

- GENERAL POWER PLAN NOTES:**
- IT SHALL BE ALLOWED TO REUSE ALL EXISTING JUNCTION BOXES, CONDUIT, STRAPS, FITTINGS, BRANCH-CIRCUIT WIRING TO THE EXTENT POSSIBLE FOR REMODEL WORK.
 - PROVIDE NEW WIRING DEVICES AND STAINLESS STEEL COVER PLATES IN REMODEL WORK.
 - SYMBOLS LABELED 'EX' ARE EXISTING JUNCTION BOXES, CONTRACTOR OPTION TO REUSE.
 - ALL NEW WIRING SHALL BE INSTALLED FLUSH IN EXISTING WALLS. IT WILL BE REQUIRED TO 'FISH' WIRING IN EXISTING WALLS WHERE REASONABLE AND POSSIBLE TO ACCOMPLISH. FOR WALLS WHERE IT IS NOT REASONABLE TO 'FISH' WIRING, THE EXISTING WALL SHALL BE CUT AND CHANNELLED BY ELECTRICAL CONTRACTOR. PATCHING AND PAINTING BY GENERAL CONTRACTOR. SURFACE RACEWAY CONDUIT AND WIREMOLD IS NOT ALLOWED EXCEPT ON BRICK WALLS IN VESTIBULE #107 AND UNION MARKET #107, IT/AV ROOM #105A, COMM ROOM #116, ALL ELECTRICAL, MECHANICAL AND STORAGE ROOMS WHERE EXPOSED CONDUIT AND WIRING IS COMMON.
- KEYED POWER PLAN NOTES-E200:**
- LOWER EXISTING JUNCTION BOX TO 18" ABOVE FINISH FLOOR. REUSE EXISTING BRANCH-CIRCUIT WIRING TO THE EXTENT POSSIBLE.
 - PROVIDE A DUPLEX RECEPTACLE FOR WALL-MOUNTED MONITOR. REUSE EXISTING JUNCTION BOX AND BRANCH-CIRCUIT WIRING TO THE EXTENT POSSIBLE.
 - PROVIDE A DUPLEX RECEPTACLE FOR WALL-MOUNTED MONITOR. 'FISH' WIRING INSIDE EXISTING WALL IF POSSIBLE. OTHERWISE PROVIDE WIREMOLD 500/700 AND INSTALL VERTICALLY FROM ABOVE SUSPENDED CEILING. FIELD VERIFY MOUNTING HEIGHT WITH WTC DEPARTMENT.
 - PROVIDE A DUPLEX RECEPTACLE FOR OVERHEAD PROJECTOR. REUSE EXISTING JUNCTION BOX AND BRANCH-CIRCUIT WIRING TO THE EXTENT POSSIBLE.
 - PROVIDE A NEW COVER PLATE FOR EXISTING FLOOR BOX. CONTACT 'WIREMOLD' REPRESENTATIVE FOR EXACT MODEL NUMBERS. COORDINATE WITH WTC FACILITY DEPARTMENT. PLEASE NOTE DATA JACKS NO LONGER REQUIRED. REFER TO PHOTO #1/ED02.
 - FIELD VERIFY LOCATION OF EXISTING UNDERGROUND CONDUIT STUB UP FROM REMOVED FURNITURE WALL. AT CONDUIT STUB-UP LOCATION, INSTALL A WIREMOLD FLOOR BOX. COORDINATE WITH 'WIREMOLD' REPRESENTATIVE FOR RECOMMENDED POWER ONLY IN-FLOOR JUNCTION BOX, FITTINGS, AND COVER PLATE MODEL NUMBERS. SAWCUT EXISTING CONCRETE FLOOR AS REQUIRED. REUSE EXISTING BRANCH-CIRCUIT WIRING TO THE EXTENT POSSIBLE.
 - EXISTING DUPLEX RECEPTACLES FOR WATER COOLERS TO REMAIN AS IS. FIELD VERIFY THAT RECEPTACLES ARE GFCI PROTECTED. IF NOT, REPLACE WITH GFCI RECEPTACLES OR CONNECT TO GFCI CIRCUIT BREAKER FEEDING THIS BRANCH-CIRCUIT.
 - RAISE EXISTING JUNCTION BOX TO 36" ABOVE FINISH FLOOR. REUSE EXISTING BRANCH-CIRCUIT WIRING TO THE EXTENT POSSIBLE.
 - INSTALL RECEPTACLE BELOW WINDOW SILL.
 - RECONNECT EXISTING MOTORIZED DOOR OPENER. PLEASE NOTE A NEW REPLACEMENT DOOR WAS INSTALLED IN THIS LOCATION. IT WILL BE REQUIRED TO DISCONNECT EXISTING DOOR OPENER AND ASSOCIATED PADDLE CONTROL SWITCHES FROM REMOVED DOOR AND RECONNECT TO NEW DOOR OPENER. REUSE EXISTING BRANCH-CIRCUIT WIRING AND LOW VOLTAGE PADDLE SWITCH CONTROLLERS TO THE EXTENT POSSIBLE. IT WILL BE REQUIRED TO RE-WIRE AND RE-INSTALL EXISTING PADDLE SWITCH CONTROLLERS DUE TO REMODEL WORK. FIELD VERIFY SCOPES OF WORK PRIOR TO SUBMITTING BID.
 - RAISE EXISTING JUNCTION BOX TO 46" ABOVE FINISH FLOOR. REUSE EXISTING BRANCH-CIRCUIT WIRING TO THE EXTENT POSSIBLE. RECEPTACLE SHALL BE INSTALLED ABOVE COUNTER.
 - PROVIDE A DUPLEX RECEPTACLE FOR ATM MACHINE. CONNECT TO A GFCI CIRCUIT BREAKER.
 - PROVIDE A DUPLEX RECEPTACLE FOR VENDING MACHINE. CONNECT TO A GFCI CIRCUIT BREAKER.
 - DISCONNECT EXISTING 100 AMP, 120/208VAC, 3-PHASE, 4-WIRE, M.L.O., 42-SPACE 'GENERAL ELECTRIC' PANELBOARD AND REPLACE WITH A 125 AMP, 120/208VAC, 3-PHASE, 4-WIRE, 42-SPACE 'SQUARE D' PANELBOARD (ONLY). NO EQUALS-ACCEPTED. THIS WORK SHALL BE INCLUDED WITH ALTERNATE BID #3. REFER TO PHOTOS #5/ED02 AND #6/ED02.
 - PROVIDE A 20 AMP, 120VAC BRANCH-CIRCUIT TO EXISTING PANELBOARD 'A1' LOCATED ADJACENT TO WORK ROOM #104F. PROVIDE A SQUARE 'D' 20/1 CIRCUIT BREAKER AS REQUIRED.
 - PROVIDE A 20 AMP, 120VAC BRANCH-CIRCUIT TO EXISTING PANELBOARD 'C1' LOCATED IN IT/AV ROOM #105A. PROVIDE A SQUARE 'D' 20/1 CIRCUIT BREAKER AS REQUIRED.
 - BRANCH-CIRCUITS IN THIS AREA OF REMODEL PROJECT SHALL BE CONNECTED TO EXISTING PANELBOARD 'A1' LOCATED ADJACENT TO WORK ROOM #104F.

- EXISTING 400 AMP, 120/208VAC, 3-PHASE, 4-WIRE, SQUARE 'D' PANELBOARD 'A1'. REUSE EXISTING CIRCUIT BREAKERS TO THE EXTENT POSSIBLE, OTHERWISE PROVIDE NEW SQUARE 'D' CIRCUIT BREAKERS AS REQUIRED.
- EXISTING 125 AMP, 120/208VAC, 3-PHASE, 4-WIRE, SQUARE 'D' PANELBOARD 'C1'. REUSE EXISTING CIRCUIT BREAKERS TO THE EXTENT POSSIBLE, OTHERWISE PROVIDE NEW SQUARE 'D' CIRCUIT BREAKERS AS REQUIRED.
- BRANCH-CIRCUITS IN THIS AREA OF REMODEL PROJECT SHALL BE CONNECTED TO EXISTING PANELBOARD 'C1' LOCATED IN IT/AV ROOM #105A.
- PROVIDE A 'WIREMOLD', MODEL #6AT, POKE THRU DEVICE, FLUSH STYLE COVER, BLACK COLOR, POWER DOUBLE DUPLEX RECEPTACLE ONLY. CORE DRILL APPROXIMATELY 1/2" THICK CONCRETE FLOOR AS REQUIRED. THIS WORK SHALL BE BID AS ALTERNATE BID #2. PROVIDE A COMBINATION POWER AND DATA FLOOR BOX INSTALLED IN STORAGE ROOM #106E FOR CONFERENCE TABLE.
- PROVIDE A 20 AMP, 120VAC, BRANCH-CIRCUIT CONNECTED TO PANELBOARD 'B1' LOCATED IN THE BASEMENT. REFER TO BASEMENT PLAN 3/E200 FOR LOCATION OF PANELBOARD. INCLUDE WITH ALTERNATE BID #2.
- THIS WALL WILL BECOME A VIDEO DIGITAL PICTURE FRAME WALL WITH EIGHT (8) VIDEO DIGITAL PICTURE FRAME SCREENS. PROVIDE EIGHT (8) RECESSED DUPLEX RECEPTACLES, ONE (1) BEHIND EACH VIDEO DIGITAL SCREEN. PROVIDE EIGHT (8) COMBINATION LOW VOLTAGE/POWER RECESSED TWO GANG METAL JUNCTION BOXES, ONE FOR EACH VIDEO DIGITAL SCREEN. THE INTENT IS TO HAVE A RECESSED JUNCTION BOX BEHIND EACH VIDEO DIGITAL SCREEN TO CONCEAL POWER CORD AND LOW VOLTAGE CORDS. APPROVED MANUFACTURERS ARE 'CHIEF', 'LEVITON', 'ARLINGTON', 'LEGRAND', 'HUBBELL' OR APPROVED EQUAL. REFER TO ARCHITECTURAL SHEET 5/AM02. COORDINATE THOROUGHLY WITH WTC IT DEPARTMENT FOR MOUNTING HEIGHTS PRIOR TO RIGGING-IN JUNCTION BOXES AND CONDUITS.
- PROVIDE A SQUARE 'D' EMERGENCY BOLLER SHUT-DOWN SWITCH WITH KILNSHRODM TYPE HEAD, MODEL #R003 RYR14 OR EQUAL. CLEARLY LABEL 'BOLLER EMERGENCY SHUT-DOWN'. CONNECT TO SHUNT-TRIP BREAKERS FEEDING BOLLERS IN PANELBOARD 'E2'. PROVIDE A 20 AMP, 120VAC CONTROL CIRCUIT AS REQUIRED FED FROM PANELBOARD 'E2'.
- EXISTING SQUARE 'D' 600 AMP, 1 LINE 120/208VAC, 3-PHASE, 4-WIRE EMERGENCY DISTRIBUTION PANELBOARD 'ED' PANELBOARD TO REMAIN AS IS. USE EXISTING 200 AMP, 3-POLE CIRCUIT BREAKER TO FEED PANELBOARD 'E2'.
- PROVIDE 4-#3/0 THWN-2 AND 1-#6 THWN-2 (GND) IN 2" EMT CONDUIT FEEDER.
- EXISTING SQUARE 'D' NQ 225 AMP, 120/208VAC, 3-PHASE, 4-WIRE PANELBOARD. DISCONNECT PANELBOARD FED FROM ADJACENT PANELBOARD 'B1' AND RE-FEED FROM EMERGENCY PANEL 'ED'. PLEASE NOTE IT IS FED WITH A 100/3 CIRCUIT BREAKER FROM PANEL 'B1' AT PRESENT. RE-LABEL AS 'E2'.
- EXISTING SQUARE 'D' NQ 400 AMP, 120/208VAC, 3-PHASE, 4-WIRE PANELBOARD 'B1'.
- EXISTING HVAC TEMPERATURE CONTROL PANEL SHALL BE DISCONNECTED FROM PRESENT POWER SOURCE AND RECONNECTED TO EMERGENCY PANELBOARD 'E' OR 'E2'. PROVIDE A 20 AMP, 120VAC BRANCH-CIRCUIT AND CONNECT TO EMERGENCY PANELBOARD 'E' OR 'E2'.
- DISCONNECT PUMP #2 FROM PANELBOARD 'B1' (BRANCH CIRCUIT #1-8,10,12) AND RECONNECT TO PANELBOARD 'E2' (E2-52,54,56). REUSE EXISTING 35/3 CIRCUIT BREAKER FROM PANELBOARD 'B1' AND REINSTALL IN PANELBOARD 'E2'.
- DISCONNECT PUMP #1 FROM PANELBOARD 'B1' (BRANCH CIRCUIT #1-7,9,11) AND RECONNECT TO PANELBOARD 'E2' (E2-49,51,53). REUSE EXISTING 35/3 CIRCUIT BREAKER FROM PANELBOARD 'B1' AND REINSTALL IN PANELBOARD 'E2'.
- EXISTING BOLLER CONNECTED TO EMERGENCY PANELBOARD 'E2'. PROVIDE ONE (1) 20/3 SHUNT-TRIP CIRCUIT BREAKER FOR BRANCH CIRCUIT #2-43,45,47 AND ONE (1) 20/1 SHUNT-TRIP CIRCUIT BREAKER FOR BRANCH CIRCUIT #2-50 FOR EMERGENCY SHUT-DOWN OF BOLLERS. CONNECT SHUNT-TRIP BREAKERS TO EMERGENCY BOLLER SHUT-OFF SWITCH.
- EXISTING SQUARE 'D' NQ 225 AMP, 120/208VAC, 3-PHASE, 4-WIRE PANELBOARD 'E' TO REMAIN AS IS.
- EXISTING SQUARE 'D' NQ 225 AMP, 120/208VAC, 3-PHASE, 4-WIRE PANELBOARD 'EE' TO REMAIN AS IS. PLEASE NOTE THIS IS THE 'LIFE-SAFETY' BRANCH OF THE EMERGENCY SYSTEM. 1ST FLOOR EMERGENCY LIGHTING IS FED FROM THIS PANELBOARD AT PRESENT.
- DISCONNECT EXISTING HOT WATER PUMP #3 FROM PRESENT NON-EMERGENCY PANELBOARD 'PDA' (BRANCH CIRCUIT #PDA-25,27,29) AND RECONNECT TO EMERGENCY PANELBOARD 'E' (E-55,57,59). PROVIDE A 35/3 CIRCUIT BREAKER IN PANELBOARD 'E'.
- CONNECT RECEPTACLE TO NEAREST AVAILABLE 120VAC POWER SOURCE. MONITOR DRAWS SMALL AMOUNT OF LOAD.
- EXISTING BOLLER PUMP CONNECTED TO EMERGENCY PANELBOARD 'E2' (E2-44,46,48). NO WORK REQUIRED.



1 ELECTRICAL POWER PLAN
3/16" = 1'-0"



2 SW VESTIBULE
3/16" = 1'-0"

3 BASEMENT PLAN
3/16" = 1'-0"



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KUMM STUDENT UNION REMODEL
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Sheet Title: ELECTRICAL LOW VOLTAGE PLAN

25041KSC-E-LV01

3/16" = 1'-0"

NO WORK IN HATCHED AREA

GENERAL NOTES:

A. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A ONE (1) PORT DATA JACK. PROVIDE ONE (1) NETWORK CAT6A CABLE BETWEEN ONE-PORT DATA JACK AND EXISTING IT NETWORK EQUIPMENT RACK LOCATED IN COMM ROOM #116 AND TERMINATE BOTH ENDS. PROVIDE A DOUBLE GANG JUNCTION BOX WITH SINGLE GANG MUDRING. STUB ONE 1" EMT CONDUIT TO 'J' HOOKS ABOVE SUSPENDED CEILING. VERIFY MOUNTING HEIGHT OF DATA JACKS WITH WTC IT DEPARTMENT PRIOR TO ROUGH-IN.

B. ALL LOW VOLTAGE WIRING SHALL BE 'PLENUM' RATED.

C. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL '1' HOOK' TYPE LOW VOLTAGE CABLE WIRING SUPPORT ON 4'-0" CENTERS ABOVE SUSPENDED ACoustic CEILING BETWEEN CONDUIT WALL STUBS AND CABLE TRAY. ETC. ALL LOW VOLTAGE WIRING SHALL BE INDEPENDENTLY SUPPORTED SEPARATE FROM GRID TYPE CEILING, NO EXCEPTIONS.

D. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL LOW VOLTAGE WIRING, DATA JACKS, ETC. FOR A COMPLETE SYSTEM FOR THIS PROJECT.

ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A ONE (1) PORT DATA JACK. PROVIDE ONE (1) NETWORK CAT6A CABLE BETWEEN ONE-PORT DATA JACK AND EXISTING IT NETWORK EQUIPMENT RACK LOCATED IN COMM ROOM #116 AND TERMINATE BOTH ENDS. PROVIDE A DOUBLE GANG JUNCTION BOX WITH SINGLE GANG MUDRING. STUB ONE 1" EMT CONDUIT TO 'J' HOOKS ABOVE SUSPENDED CEILING. VERIFY MOUNTING HEIGHT OF DATA JACKS WITH WTC IT DEPARTMENT PRIOR TO ROUGH-IN.

ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A TWO (2) PORT DATA JACK. PROVIDE TWO (2) NETWORK CAT6A CABLES BETWEEN TWO-PORT DATA JACK AND EXISTING IT NETWORK EQUIPMENT RACK LOCATED IN COMM ROOM #116 AND TERMINATE BOTH ENDS. PROVIDE A DOUBLE GANG JUNCTION BOX WITH SINGLE GANG MUDRING. IF INSTALLED IN A NEW WALL, STUB ONE 1" EMT CONDUIT TO 'J' HOOKS ABOVE SUSPENDED CEILING. VERIFY MOUNTING HEIGHT OF DATA JACKS WITH WTC IT DEPARTMENT PRIOR TO ROUGH-IN. IF INSTALLED ON AN EXISTING WALL, PROVIDED SURFACE MOUNTED 'WIREMOLD' SIZED AS REQUIRED.

ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A THREE (3) PORT DATA JACK. PROVIDE THREE (3) NETWORK CAT6A CABLES BETWEEN THREE-PORT DATA JACK AND EXISTING IT NETWORK EQUIPMENT RACK LOCATED IN COMM ROOM #116 AND TERMINATE BOTH ENDS. PROVIDE A DOUBLE GANG JUNCTION BOX WITH SINGLE GANG MUDRING. STUB TWO (2) 1" EMT CONDUIT TO 'J' HOOKS ABOVE SUSPENDED CEILING. VERIFY MOUNTING HEIGHT OF DATA JACKS WITH WTC IT DEPARTMENT PRIOR TO ROUGH-IN. IF INSTALLED ON AN EXISTING WALL, PROVIDE SURFACE RACEWAY 'WIREMOLD' SIZED AS REQUIRED.

APPROXIMATE LOCATION OF NEW WIRELESS ACCESS POINT PROVIDED BY WTC IT DEPARTMENT INSTALLED BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE ONE (1) NETWORK CAT6A CABLE BETWEEN WIRELESS ACCESS POINT AND EXISTING IT NETWORK EQUIPMENT RACK LOCATED IN COMM ROOM #116 AND TERMINATE BOTH ENDS. PROVIDE JUNCTION BOXES AS REQUIRED IN CEILING OR WALL. COORDINATE WITH WTC IT DEPARTMENT.

ELECTRICAL CONTRACTOR SHALL INSTALL A SECURITY IP CCTV CAMERA WITH BACKBOX PROVIDED BY WTC IT DEPARTMENT IN THIS LOCATION. PROVIDE ONE (1) CAT6A CABLE TO IT NETWORK EQUIPMENT RACK LOCATED IN COMM ROOM #116. COORDINATE MOUNTING LOCATION AND MOUNTING HEIGHT WITH WTC IT DEPARTMENT.

ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A FOUR (4) PORT DATA JACK. PROVIDE FOUR (4) NETWORK CAT6A CABLES BETWEEN FOUR-PORT DATA JACK AND EXISTING IT NETWORK EQUIPMENT RACK(S) LOCATED IN COMM ROOM #116 AND TERMINATE BOTH ENDS. PROVIDE A DOUBLE GANG JUNCTION BOX WITH SINGLE GANG MUDRING. STUB TWO (2) 1" EMT CONDUIT TO 'J' HOOKS ABOVE SUSPENDED CEILING. VERIFY MOUNTING HEIGHT OF DATA JACKS WITH WTC IT DEPARTMENT PRIOR TO ROUGH-IN. IF INSTALLED ON AN EXISTING WALL, PROVIDE SURFACE RACEWAY 'WIREMOLD' SIZED AS REQUIRED.

ELECTRICAL CONTRACTOR SHALL INSTALL A DIGITAL CLOCK WITH BACKBOX PROVIDED BY WTC IT DEPARTMENT IN THIS LOCATION. PROVIDE ONE (1) CAT6A CABLE TO IT NETWORK EQUIPMENT RACK LOCATED IN COMM ROOM #116. COORDINATE MOUNTING LOCATION AND MOUNTING HEIGHT WITH WTC IT DEPARTMENT.

ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ONE (1) PORT DATA JACK. PROVIDE ONE (1) NETWORK CAT6A CABLE BETWEEN ONE-PORT DATA JACK AND EXISTING IT NETWORK EQUIPMENT RACK LOCATED IN COMM ROOM #116 FOR PRINTER AND TERMINATE BOTH ENDS. PROVIDE A DOUBLE GANG JUNCTION BOX WITH SINGLE GANG MUDRING. STUB ONE 1" EMT CONDUIT TO 'J' HOOKS ABOVE SUSPENDED CEILING. VERIFY MOUNTING HEIGHT OF DATA JACKS WITH WTC IT DEPARTMENT PRIOR TO ROUGH-IN.

ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A THREE-PORT COMBINATION DATA/AV JACKS AT THIS APPROXIMATE LOCATION FOR OVERHEAD PROJECTOR. PROVIDE ONE (1) NETWORK CAT6A CABLE TO IT NETWORK EQUIPMENT RACK LOCATED IN COMM ROOM #116 PROVIDE TWO (2) SHIELDED CAT6A A/V CABLES BETWEEN OVERHEAD PROJECTOR JUNCTION BOX AND EQUIPMENT RACK LOCATED IN IT/AV ROOM #105A.

EXISTING EQUIPMENT RACK TO REMAIN AS IS. REFER TO PHOTO #1/E300. THIS RACK IS PRIMARILY USED FOR AUDIO VISUAL SYSTEM WIRING. COORDINATE WITH WTC IT DEPARTMENT PRIOR TO ROUGH-IN WIRING FOR REMODEL PROJECT.

PROVIDE EIGHT (8) CAT6A CABLES BETWEEN TWO EQUIPMENT RACKS LOCATED IN COMM ROOM #116 & IT/AV ROOM #105A. ELECTRICAL CONTRACTOR SHALL TERMINATE BOTH ENDS OF EACH CABLE AS DIRECTED BY WTC IT DEPARTMENT.

EXISTING EQUIPMENT IT RACK TO REMAIN AS IS. REFER TO PHOTO #2/E300. IT WILL BE REQUIRED TO PROVIDE NEW CAT6A PATCH PANELS AS SPECIFIED AND AS DIRECTED BY WTC IT DEPARTMENT. ELECTRICAL CONTRACTOR SHALL TERMINATE EACH END OF CAT6A CABLES.

EXISTING A/V SYSTEM WALL-MOUNTED SPEAKER IN THIS LOCATION. PLEASE NOTE SPEAKER IS CONNECTED TO A/V EQUIPMENT LOCATED IN IT/AV ROOM #105A.

REINSTALL AN EXISTING WALL-MOUNTED A/V SYSTEM SPEAKER IN THIS LOCATION. REUSE EXISTING LOW VOLTAGE CABLE PREVIOUSLY REMOVED SPEAKER AND RECONNECT IN NEW LOCATION AS REQUIRED. PLEASE NOTE SPEAKER IS CONNECTED TO A/V EQUIPMENT LOCATED IN IT/AV ROOM #105A.

REINSTALL AN EXISTING ELECTRONIC CARD ACCESS SYSTEM CARD READER ON CENTER MULLION OF NEW DOOR. REUSE EXISTING CARD READER CABLE TO THE EXTENT POSSIBLE.

ELECTRICAL CONTRACTOR SHALL PROVIDE A 'SMART CABLE' HOMERUN TO EXISTING 'LENE' ELECTRONIC DOOR ACCESS CONTROL PANEL LOCATED IN COMM ROOM #116. SMART CABLE SHALL BE BELDEN, MODEL #658AF OR EQUAL, 16 CONDUCTOR, 4 ELEMENT, ACCESS CONTROL CABLE, 18-04 + 22-3P + 22-02 + 22-04 PLENUM YELLOW COLOR. REFER TO ELECTRONIC DOOR DETAIL 3/E300. PLEASE NOTE ELECTRICAL CONTRACTOR TO ROUGH-IN CONDUIT AND LOW VOLTAGE WIRING.

PROVIDE A QUAM, 8" DIAMETER, PUBLIC ADDRESS SPEAKER, MODEL NUMBER AS FOLLOWS:
TRANSFORMER - 8C10PAX
LOUDSPEAKER - 8C10PAX
BAFFLE - BRWS
BACKBOX - BRBS
MOUNTING SUPPORT - SSR-3

PROVIDE #18/2 PLENUM RATED LOW VOLTAGE CABLE AS RECOMMENDED BY PUBLIC ADDRESS SPEAKER MANUFACTURER AND CONNECT TO EXISTING AMPLIFIER LOCATED IN COMM ROOM #116.

REINSTALL TWO (2) PREVIOUSLY REMOVED XLR MICROPHONE JACKS IN A 2-GANG JUNCTION BOX. PROVIDE TWO (2) XLR CABLES TO MATCH ORIGINAL INSTALLATION AND TERMINATE AT EXISTING EQUIPMENT RACK LOCATED IN IT/AV ROOM #105A. REFER TO PHOTO #3/E300.

REINSTALL ONE (1) HDMI JACK AND ONE (1) AUXILIARY AUDIO IN JACK TO MATCH ORIGINAL INSTALLATION IN A 2-GANG JUNCTION BOX. PLEASE NOTE VGA JACKS NO LONGER REQUIRED. PROVIDE SAME STYLE OF LOW VOLTAGE CABLES TO MATCH ORIGINAL INSTALLATION. TERMINATE AT EQUIPMENT RACK LOCATED IN IT/AV ROOM #105A. FIELD VERIFY. REFER TO PHOTO #2/E300.

REINSTALL A PREVIOUSLY REMOVED A/V CONTROL PANEL IN THIS LOCATION. COORDINATE WITH WTC IT DEPARTMENT. REFER TO PHOTO #4/E300.

THIS IN-FLOOR JUNCTION BOX (ONLY) SHALL INCLUDE TWO (2) CAT6A DATA JACKS FOR CONFERENCE TABLE. PROVIDE TWO (2) CAT6A CABLES TO EQUIPMENT RACK LOCATED IN BASEMENT AND TERMINATE BOTH ENDS OF EACH CABLE. FIELD VERIFY LOCATION OF EXISTING EQUIPMENT RACK IN BASEMENT PRIOR TO SUBMITTING BID.

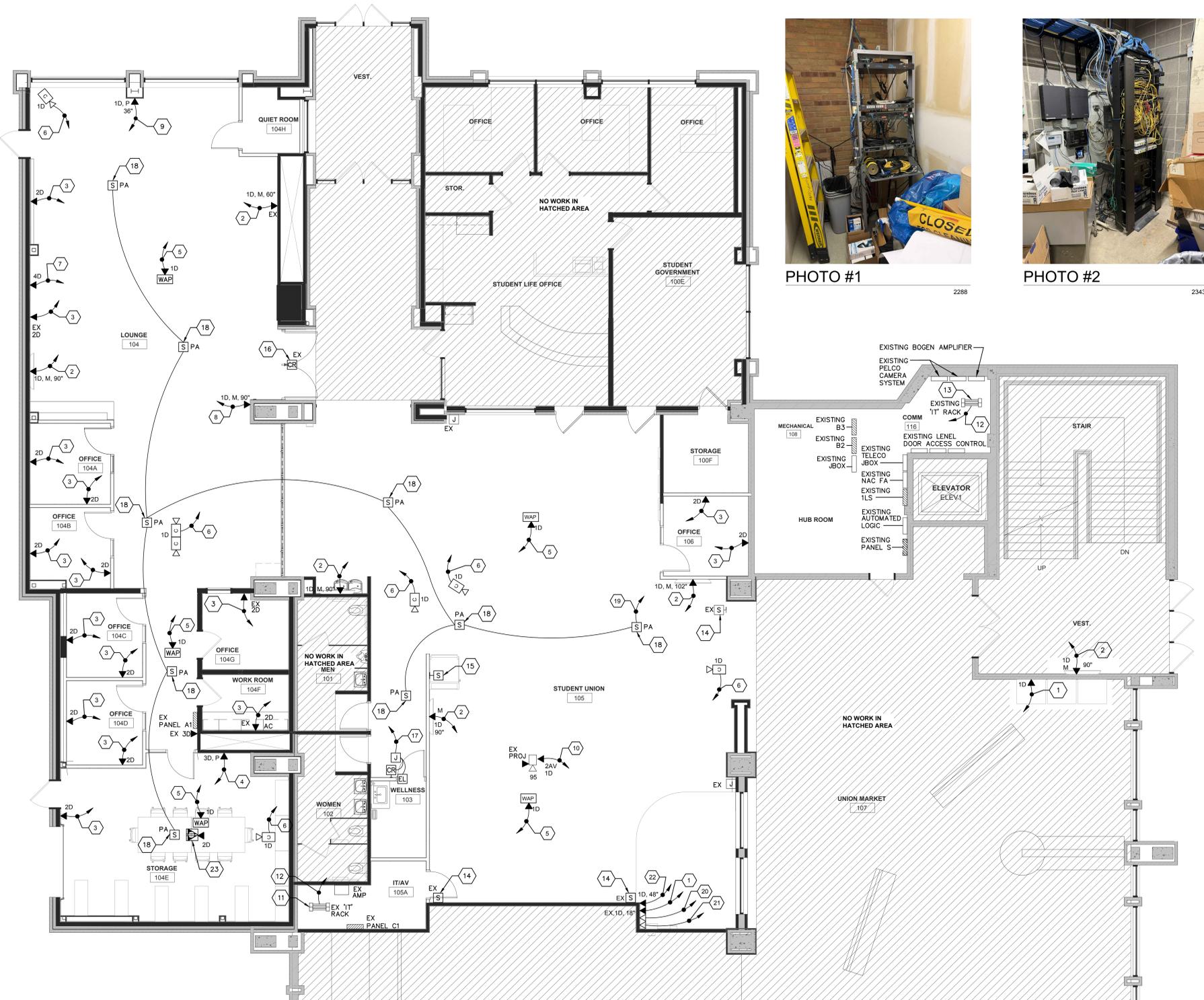
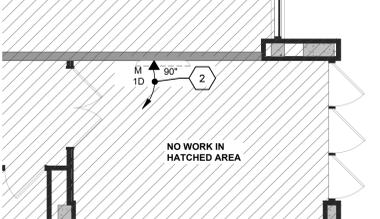
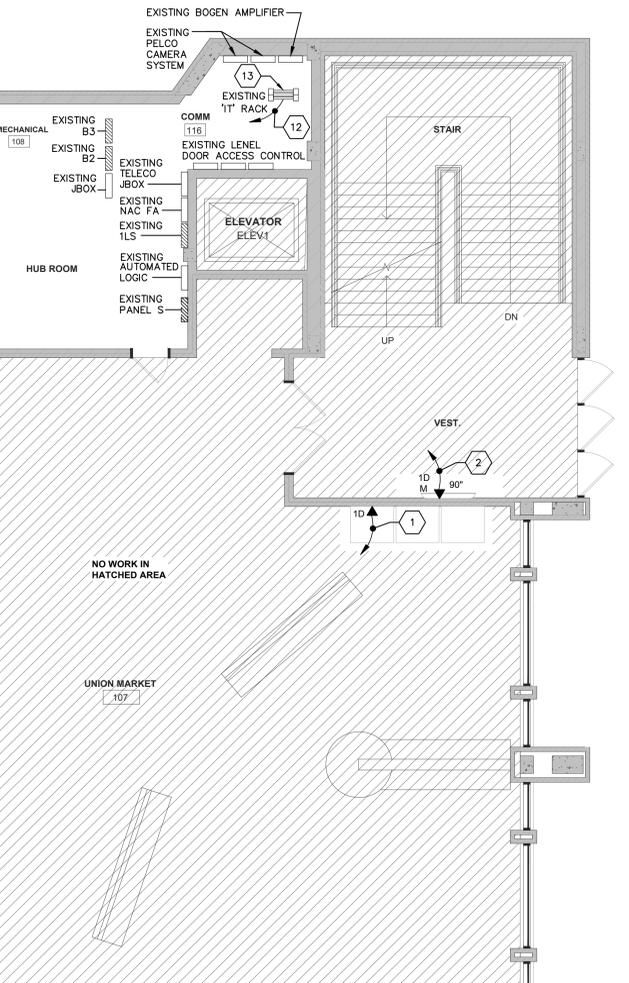


PHOTO #1
2288

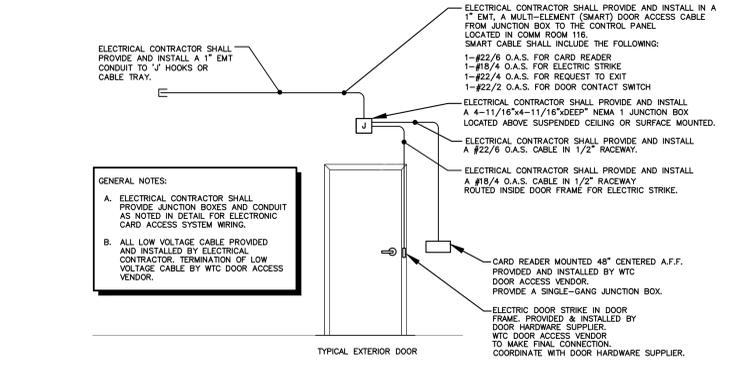


PHOTO #2
2343



2 SW VESTIBULE
3/16" = 1'-0"

- GENERAL LOW VOLTAGE NOTES:
1. NETWORKING (DATA) - ORANGE DATA JACKS WITH BLUE CAT6A CABLES.
 2. IP PHONE - ORANGE DATA JACKS WITH BLUE CAT6A CABLES.
 3. AUDIO/VIDEO (A/V) - GREEN DATA JACKS WITH GREEN CAT6A CABLE
 4. SECURITY CAMERAS - WHITE JACKS WITH WHITE CAT6A CABLE
 5. ELECTRONIC DOOR ACCESS SYSTEM = YELLOW MULTI-ELEMENT SMART CABLE
 6. HVAC CONTROLS = PURPLE JACKS WITH PURPLE CAT6A CABLES.
 7. NETWORKING (DATA) FOR STUDENTS - GRAY DATA JACKS WITH GRAY CAT6A CABLES.
 8. NETWORKING (DATA) FOR NOC - BLUE DATA JACKS WITH BLUE CAT6A CABLES.
 9. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE 'J' HOOKS AND CONDUIT SLEEVES THROUGH WALLS FOR LOW VOLTAGE CABLE ROUTING AS REQUIRED.
 10. ALL LOW VOLTAGE WIRING SHALL BE 'PLENUM' RATED.
 11. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL '1' HOOK' TYPE LOW VOLTAGE CABLE WIRING SUPPORT ON 4'-0" CENTERS ABOVE SUSPENDED ACoustic CEILING BETWEEN CONDUIT WALL STUBS AND CABLE TRAY. ETC. ALL LOW VOLTAGE WIRING SHALL BE INDEPENDENTLY SUPPORTED SEPARATE FROM GRID TYPE CEILING, NO EXCEPTIONS.
 12. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL LOW VOLTAGE WIRING, DATA JACKS, ETC. FOR A COMPLETE SYSTEM FOR THIS PROJECT.
- KEYED LOW VOLTAGE PLAN NOTES E300:
1. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A ONE (1) PORT DATA JACK. PROVIDE ONE (1) NETWORK CAT6A CABLE BETWEEN ONE-PORT DATA JACK AND EXISTING IT NETWORK EQUIPMENT RACK LOCATED IN COMM ROOM #116 AND TERMINATE BOTH ENDS. PROVIDE A DOUBLE GANG JUNCTION BOX WITH SINGLE GANG MUDRING. STUB ONE 1" EMT CONDUIT TO 'J' HOOKS ABOVE SUSPENDED CEILING. VERIFY MOUNTING HEIGHT OF DATA JACKS WITH WTC IT DEPARTMENT PRIOR TO ROUGH-IN.
 2. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A TWO (2) PORT DATA JACK. PROVIDE TWO (2) NETWORK CAT6A CABLES BETWEEN TWO-PORT DATA JACK AND EXISTING IT NETWORK EQUIPMENT RACK LOCATED IN COMM ROOM #116 AND TERMINATE BOTH ENDS. PROVIDE A DOUBLE GANG JUNCTION BOX WITH SINGLE GANG MUDRING. IF INSTALLED IN A NEW WALL, STUB ONE 1" EMT CONDUIT TO 'J' HOOKS ABOVE SUSPENDED CEILING. VERIFY MOUNTING HEIGHT OF DATA JACKS WITH WTC IT DEPARTMENT PRIOR TO ROUGH-IN. IF INSTALLED ON AN EXISTING WALL, PROVIDED SURFACE MOUNTED 'WIREMOLD' SIZED AS REQUIRED.
 3. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A THREE (3) PORT DATA JACK. PROVIDE THREE (3) NETWORK CAT6A CABLES BETWEEN THREE-PORT DATA JACK AND EXISTING IT NETWORK EQUIPMENT RACK LOCATED IN COMM ROOM #116 AND TERMINATE BOTH ENDS. PROVIDE A DOUBLE GANG JUNCTION BOX WITH SINGLE GANG MUDRING. STUB TWO (2) 1" EMT CONDUIT TO 'J' HOOKS ABOVE SUSPENDED CEILING. VERIFY MOUNTING HEIGHT OF DATA JACKS WITH WTC IT DEPARTMENT PRIOR TO ROUGH-IN. IF INSTALLED ON AN EXISTING WALL, PROVIDE SURFACE RACEWAY 'WIREMOLD' SIZED AS REQUIRED.
 4. APPROXIMATE LOCATION OF NEW WIRELESS ACCESS POINT PROVIDED BY WTC IT DEPARTMENT INSTALLED BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE ONE (1) NETWORK CAT6A CABLE BETWEEN WIRELESS ACCESS POINT AND EXISTING IT NETWORK EQUIPMENT RACK LOCATED IN COMM ROOM #116 AND TERMINATE BOTH ENDS. PROVIDE JUNCTION BOXES AS REQUIRED IN CEILING OR WALL. COORDINATE WITH WTC IT DEPARTMENT.
 5. ELECTRICAL CONTRACTOR SHALL INSTALL A SECURITY IP CCTV CAMERA WITH BACKBOX PROVIDED BY WTC IT DEPARTMENT IN THIS LOCATION. PROVIDE ONE (1) CAT6A CABLE TO IT NETWORK EQUIPMENT RACK LOCATED IN COMM ROOM #116. COORDINATE MOUNTING LOCATION AND MOUNTING HEIGHT WITH WTC IT DEPARTMENT.
 6. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A FOUR (4) PORT DATA JACK. PROVIDE FOUR (4) NETWORK CAT6A CABLES BETWEEN FOUR-PORT DATA JACK AND EXISTING IT NETWORK EQUIPMENT RACK(S) LOCATED IN COMM ROOM #116 AND TERMINATE BOTH ENDS. PROVIDE A DOUBLE GANG JUNCTION BOX WITH SINGLE GANG MUDRING. STUB TWO (2) 1" EMT CONDUIT TO 'J' HOOKS ABOVE SUSPENDED CEILING. VERIFY MOUNTING HEIGHT OF DATA JACKS WITH WTC IT DEPARTMENT PRIOR TO ROUGH-IN. IF INSTALLED ON AN EXISTING WALL, PROVIDE SURFACE RACEWAY 'WIREMOLD' SIZED AS REQUIRED.
 7. ELECTRICAL CONTRACTOR SHALL INSTALL A DIGITAL CLOCK WITH BACKBOX PROVIDED BY WTC IT DEPARTMENT IN THIS LOCATION. PROVIDE ONE (1) CAT6A CABLE TO IT NETWORK EQUIPMENT RACK LOCATED IN COMM ROOM #116. COORDINATE MOUNTING LOCATION AND MOUNTING HEIGHT WITH WTC IT DEPARTMENT.
 8. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ONE (1) PORT DATA JACK. PROVIDE ONE (1) NETWORK CAT6A CABLE BETWEEN ONE-PORT DATA JACK AND EXISTING IT NETWORK EQUIPMENT RACK LOCATED IN COMM ROOM #116 FOR PRINTER AND TERMINATE BOTH ENDS. PROVIDE A DOUBLE GANG JUNCTION BOX WITH SINGLE GANG MUDRING. STUB ONE 1" EMT CONDUIT TO 'J' HOOKS ABOVE SUSPENDED CEILING. VERIFY MOUNTING HEIGHT OF DATA JACKS WITH WTC IT DEPARTMENT PRIOR TO ROUGH-IN.
 9. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A THREE-PORT COMBINATION DATA/AV JACKS AT THIS APPROXIMATE LOCATION FOR OVERHEAD PROJECTOR. PROVIDE ONE (1) NETWORK CAT6A CABLE TO IT NETWORK EQUIPMENT RACK LOCATED IN COMM ROOM #116 PROVIDE TWO (2) SHIELDED CAT6A A/V CABLES BETWEEN OVERHEAD PROJECTOR JUNCTION BOX AND EQUIPMENT RACK LOCATED IN IT/AV ROOM #105A.
 10. EXISTING EQUIPMENT RACK TO REMAIN AS IS. REFER TO PHOTO #1/E300. THIS RACK IS PRIMARILY USED FOR AUDIO VISUAL SYSTEM WIRING. COORDINATE WITH WTC IT DEPARTMENT PRIOR TO ROUGH-IN WIRING FOR REMODEL PROJECT.
 11. PROVIDE EIGHT (8) CAT6A CABLES BETWEEN TWO EQUIPMENT RACKS LOCATED IN COMM ROOM #116 & IT/AV ROOM #105A. ELECTRICAL CONTRACTOR SHALL TERMINATE BOTH ENDS OF EACH CABLE AS DIRECTED BY WTC IT DEPARTMENT.
 12. EXISTING EQUIPMENT IT RACK TO REMAIN AS IS. REFER TO PHOTO #2/E300. IT WILL BE REQUIRED TO PROVIDE NEW CAT6A PATCH PANELS AS SPECIFIED AND AS DIRECTED BY WTC IT DEPARTMENT. ELECTRICAL CONTRACTOR SHALL TERMINATE EACH END OF CAT6A CABLES.
 13. EXISTING A/V SYSTEM WALL-MOUNTED SPEAKER IN THIS LOCATION. PLEASE NOTE SPEAKER IS CONNECTED TO A/V EQUIPMENT LOCATED IN IT/AV ROOM #105A.
 14. REINSTALL AN EXISTING WALL-MOUNTED A/V SYSTEM SPEAKER IN THIS LOCATION. REUSE EXISTING LOW VOLTAGE CABLE PREVIOUSLY REMOVED SPEAKER AND RECONNECT IN NEW LOCATION AS REQUIRED. PLEASE NOTE SPEAKER IS CONNECTED TO A/V EQUIPMENT LOCATED IN IT/AV ROOM #105A.
 15. REINSTALL AN EXISTING ELECTRONIC CARD ACCESS SYSTEM CARD READER ON CENTER MULLION OF NEW DOOR. REUSE EXISTING CARD READER CABLE TO THE EXTENT POSSIBLE.
 16. ELECTRICAL CONTRACTOR SHALL PROVIDE A 'SMART CABLE' HOMERUN TO EXISTING 'LENE' ELECTRONIC DOOR ACCESS CONTROL PANEL LOCATED IN COMM ROOM #116. SMART CABLE SHALL BE BELDEN, MODEL #658AF OR EQUAL, 16 CONDUCTOR, 4 ELEMENT, ACCESS CONTROL CABLE, 18-04 + 22-3P + 22-02 + 22-04 PLENUM YELLOW COLOR. REFER TO ELECTRONIC DOOR DETAIL 3/E300. PLEASE NOTE ELECTRICAL CONTRACTOR TO ROUGH-IN CONDUIT AND LOW VOLTAGE WIRING.
 17. PROVIDE A QUAM, 8" DIAMETER, PUBLIC ADDRESS SPEAKER, MODEL NUMBER AS FOLLOWS:
TRANSFORMER - 8C10PAX
LOUDSPEAKER - 8C10PAX
BAFFLE - BRWS
BACKBOX - BRBS
MOUNTING SUPPORT - SSR-3
 18. PROVIDE #18/2 PLENUM RATED LOW VOLTAGE CABLE AS RECOMMENDED BY PUBLIC ADDRESS SPEAKER MANUFACTURER AND CONNECT TO EXISTING AMPLIFIER LOCATED IN COMM ROOM #116.
 19. REINSTALL TWO (2) PREVIOUSLY REMOVED XLR MICROPHONE JACKS IN A 2-GANG JUNCTION BOX. PROVIDE TWO (2) XLR CABLES TO MATCH ORIGINAL INSTALLATION AND TERMINATE AT EXISTING EQUIPMENT RACK LOCATED IN IT/AV ROOM #105A. REFER TO PHOTO #3/E300.
 20. REINSTALL ONE (1) HDMI JACK AND ONE (1) AUXILIARY AUDIO IN JACK TO MATCH ORIGINAL INSTALLATION IN A 2-GANG JUNCTION BOX. PLEASE NOTE VGA JACKS NO LONGER REQUIRED. PROVIDE SAME STYLE OF LOW VOLTAGE CABLES TO MATCH ORIGINAL INSTALLATION. TERMINATE AT EQUIPMENT RACK LOCATED IN IT/AV ROOM #105A. FIELD VERIFY. REFER TO PHOTO #2/E300.
 21. REINSTALL A PREVIOUSLY REMOVED A/V CONTROL PANEL IN THIS LOCATION. COORDINATE WITH WTC IT DEPARTMENT. REFER TO PHOTO #4/E300.
 22. THIS IN-FLOOR JUNCTION BOX (ONLY) SHALL INCLUDE TWO (2) CAT6A DATA JACKS FOR CONFERENCE TABLE. PROVIDE TWO (2) CAT6A CABLES TO EQUIPMENT RACK LOCATED IN BASEMENT AND TERMINATE BOTH ENDS OF EACH CABLE. FIELD VERIFY LOCATION OF EXISTING EQUIPMENT RACK IN BASEMENT PRIOR TO SUBMITTING BID.



3 ELECTRONIC DOOR ACCESS CONTROL DETAIL
N.T.S.

1 ELECTRICAL LOW VOLTAGE PLAN
3/16" = 1'-0"

25041KSC-E-LV01

NO WORK IN HATCHED AREA

GENERAL NOTES:

A. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A ONE (1) PORT DATA JACK. PROVIDE ONE (1) NETWORK CAT6A CABLE BETWEEN ONE-PORT DATA JACK AND EXISTING IT NETWORK EQUIPMENT RACK LOCATED IN COMM ROOM #116 AND TERMINATE BOTH ENDS. PROVIDE A DOUBLE GANG JUNCTION BOX WITH SINGLE GANG MUDRING. STUB ONE 1" EMT CONDUIT TO 'J' HOOKS ABOVE SUSPENDED CEILING. VERIFY MOUNTING HEIGHT OF DATA JACKS WITH WTC IT DEPARTMENT PRIOR TO ROUGH-IN.

B. ALL LOW VOLTAGE WIRING SHALL BE 'PLENUM' RATED.

C. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL '1' HOOK' TYPE LOW VOLTAGE CABLE WIRING SUPPORT ON 4'-0" CENTERS ABOVE SUSPENDED ACoustic CEILING BETWEEN CONDUIT WALL STUBS AND CABLE TRAY. ETC. ALL LOW VOLTAGE WIRING SHALL BE INDEPENDENTLY SUPPORTED SEPARATE FROM GRID TYPE CEILING, NO EXCEPTIONS.

D. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL LOW VOLTAGE WIRING, DATA JACKS, ETC. FOR A COMPLETE SYSTEM FOR THIS PROJECT.

ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A ONE (1) PORT DATA JACK. PROVIDE ONE (1) NETWORK CAT6A CABLE BETWEEN ONE-PORT DATA JACK AND EXISTING IT NETWORK EQUIPMENT RACK LOCATED IN COMM ROOM #116 AND TERMINATE BOTH ENDS. PROVIDE A DOUBLE GANG JUNCTION BOX WITH SINGLE GANG MUDRING. STUB ONE 1" EMT CONDUIT TO 'J' HOOKS ABOVE SUSPENDED CEILING. VERIFY MOUNTING HEIGHT OF DATA JACKS WITH WTC IT DEPARTMENT PRIOR TO ROUGH-IN.

ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A TWO (2) PORT DATA JACK. PROVIDE TWO (2) NETWORK CAT6A CABLES BETWEEN TWO-PORT DATA JACK AND EXISTING IT NETWORK EQUIPMENT RACK LOCATED IN COMM ROOM #116 AND TERMINATE BOTH ENDS. PROVIDE A DOUBLE GANG JUNCTION BOX WITH SINGLE GANG MUDRING. IF INSTALLED IN A NEW WALL, STUB ONE 1" EMT CONDUIT TO 'J' HOOKS ABOVE SUSPENDED CEILING. VERIFY MOUNTING HEIGHT OF DATA JACKS WITH WTC IT DEPARTMENT PRIOR TO ROUGH-IN. IF INSTALLED ON AN EXISTING WALL, PROVIDED SURFACE MOUNTED 'WIREMOLD' SIZED AS REQUIRED.

ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A THREE (3) PORT DATA JACK. PROVIDE THREE (3) NETWORK CAT6A CABLES BETWEEN THREE-PORT DATA JACK AND EXISTING IT NETWORK EQUIPMENT RACK LOCATED IN COMM ROOM #116 AND TERMINATE BOTH ENDS. PROVIDE A DOUBLE GANG JUNCTION BOX WITH SINGLE GANG MUDRING. STUB TWO (2) 1" EMT CONDUIT TO 'J' HOOKS ABOVE SUSPENDED CEILING. VERIFY MOUNTING HEIGHT OF DATA JACKS WITH WTC IT DEPARTMENT PRIOR TO ROUGH-IN. IF INSTALLED ON AN EXISTING WALL, PROVIDE SURFACE RACEWAY 'WIREMOLD' SIZED AS REQUIRED.

APPROXIMATE LOCATION OF NEW WIRELESS ACCESS POINT PROVIDED BY WTC IT DEPARTMENT INSTALLED BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE ONE (1) NETWORK CAT6A CABLE BETWEEN WIRELESS ACCESS POINT AND EXISTING IT NETWORK EQUIPMENT RACK LOCATED IN COMM ROOM #116 AND TERMINATE BOTH ENDS. PROVIDE JUNCTION BOXES AS REQUIRED IN CEILING OR WALL. COORDINATE WITH WTC IT DEPARTMENT.

ELECTRICAL CONTRACTOR SHALL INSTALL A SECURITY IP CCTV CAMERA WITH BACKBOX PROVIDED BY WTC IT DEPARTMENT IN THIS LOCATION. PROVIDE ONE (1) CAT6A CABLE TO IT NETWORK EQUIPMENT RACK LOCATED IN COMM ROOM #116. COORDINATE MOUNTING LOCATION AND MOUNTING HEIGHT WITH WTC IT DEPARTMENT.

ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A FOUR (4) PORT DATA JACK. PROVIDE FOUR (4) NETWORK CAT6A CABLES BETWEEN FOUR-PORT DATA JACK AND EXISTING IT NETWORK EQUIPMENT RACK(S) LOCATED IN COMM ROOM #116 AND TERMINATE BOTH ENDS. PROVIDE A DOUBLE GANG JUNCTION BOX WITH SINGLE GANG MUDRING. STUB TWO (2) 1" EMT CONDUIT TO 'J' HOOKS ABOVE SUSPENDED CEILING. VERIFY MOUNTING HEIGHT OF DATA JACKS WITH WTC IT DEPARTMENT PRIOR TO ROUGH-IN. IF INSTALLED ON AN EXISTING WALL, PROVIDE SURFACE RACEWAY 'WIREMOLD' SIZED AS REQUIRED.

ELECTRICAL CONTRACTOR SHALL INSTALL A DIGITAL CLOCK WITH BACKBOX PROVIDED BY WTC IT DEPARTMENT IN THIS LOCATION. PROVIDE ONE (1) CAT6A CABLE TO IT NETWORK EQUIPMENT RACK LOCATED IN COMM ROOM #116. COORDINATE MOUNTING LOCATION AND MOUNTING HEIGHT WITH WTC IT DEPARTMENT.

ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ONE (1) PORT DATA JACK. PROVIDE ONE (1) NETWORK CAT6A CABLE BETWEEN ONE-PORT DATA JACK AND EXISTING IT NETWORK EQUIPMENT RACK LOCATED IN COMM ROOM #116 FOR PRINTER AND TERMINATE BOTH ENDS. PROVIDE A DOUBLE GANG JUNCTION BOX WITH SINGLE GANG MUDRING. STUB ONE 1" EMT CONDUIT TO 'J' HOOKS ABOVE SUSPENDED CEILING. VERIFY MOUNTING HEIGHT OF DATA JACKS WITH WTC IT DEPARTMENT PRIOR TO ROUGH-IN.

ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A THREE-PORT COMBINATION DATA/AV JACKS AT THIS APPROXIMATE LOCATION FOR OVERHEAD PROJECTOR. PROVIDE ONE (1) NETWORK CAT6A CABLE TO IT NETWORK EQUIPMENT RACK LOCATED IN COMM ROOM #116 PROVIDE TWO (2) SHIELDED CAT6A A/V CABLES BETWEEN OVERHEAD PROJECTOR JUNCTION BOX AND EQUIPMENT RACK LOCATED IN IT/AV ROOM #105A.

EXISTING EQUIPMENT RACK TO REMAIN AS IS. REFER TO PHOTO #1/E300. THIS RACK IS PRIMARILY USED FOR AUDIO VISUAL SYSTEM WIRING. COORDINATE WITH WTC IT DEPARTMENT PRIOR TO ROUGH-IN WIRING FOR REMODEL PROJECT.

PROVIDE EIGHT (8) CAT6A CABLES BETWEEN TWO EQUIPMENT RACKS LOCATED IN COMM ROOM #116 & IT/AV ROOM #105A. ELECTRICAL CONTRACTOR SHALL TERMINATE BOTH ENDS OF EACH CABLE AS DIRECTED BY WTC IT DEPARTMENT.

EXISTING EQUIPMENT IT RACK TO REMAIN AS IS. REFER TO PHOTO #2/E300. IT WILL BE REQUIRED TO PROVIDE NEW CAT6A PATCH PANELS AS SPECIFIED AND AS DIRECTED BY WTC IT DEPARTMENT. ELECTRICAL CONTRACTOR SHALL TERMINATE EACH END OF CAT6A CABLES.

EXISTING A/V SYSTEM WALL-MOUNTED SPEAKER IN THIS LOCATION. PLEASE NOTE SPEAKER IS CONNECTED TO A/V EQUIPMENT LOCATED IN IT/AV ROOM #105A.

REINSTALL AN EXISTING WALL-MOUNTED A/V SYSTEM SPEAKER IN THIS LOCATION. REUSE EXISTING LOW VOLTAGE CABLE PREVIOUSLY REMOVED SPEAKER AND RECONNECT IN NEW LOCATION AS REQUIRED. PLEASE NOTE SPEAKER IS CONNECTED TO A/V EQUIPMENT LOCATED IN IT/AV ROOM #105A.

REINSTALL AN EXISTING ELECTRONIC CARD ACCESS SYSTEM CARD READER ON CENTER MULLION OF NEW DOOR. REUSE EXISTING CARD READER CABLE TO THE EXTENT POSSIBLE.

ELECTRICAL CONTRACTOR SHALL PROVIDE A 'SMART CABLE' HOMERUN TO EXISTING 'LENE' ELECTRONIC DOOR ACCESS CONTROL PANEL LOCATED IN COMM ROOM #116. SMART CABLE SHALL BE BELDEN, MODEL #658AF OR EQUAL, 16 CONDUCTOR, 4 ELEMENT, ACCESS CONTROL CABLE, 18-04 + 22-3P + 22-02 + 22-04 PLENUM YELLOW COLOR. REFER TO ELECTRONIC DOOR DETAIL 3/E300. PLEASE NOTE ELECTRICAL CONTRACTOR TO ROUGH-IN CONDUIT AND LOW VOLTAGE WIRING.

PROVIDE A QUAM, 8" DIAMETER, PUBLIC ADDRESS SPEAKER, MODEL NUMBER AS FOLLOWS:
TRANSFORMER - 8C10PAX
LOUDSPEAKER - 8C10PAX
BAFFLE - BRWS
BACKBOX - BRBS
MOUNTING SUPPORT - SSR-3

PROVIDE #18/2 PLENUM RATED LOW VOLTAGE CABLE AS RECOMMENDED BY PUBLIC ADDRESS SPEAKER MANUFACTURER AND CONNECT TO EXISTING AMPLIFIER LOCATED IN COMM ROOM #116.

REINSTALL TWO (2) PREVIOUSLY REMOVED XLR MICROPHONE JACKS IN A 2-GANG JUNCTION BOX. PROVIDE TWO (2) XLR CABLES TO MATCH ORIGINAL INSTALLATION AND TERMINATE AT EXISTING EQUIPMENT RACK LOCATED IN IT/AV ROOM #105A. REFER TO PHOTO #3/E300.

REINSTALL ONE (1) HDMI JACK AND ONE (1) AUXILIARY AUDIO IN JACK TO MATCH ORIGINAL INSTALLATION IN A 2-GANG JUNCTION BOX. PLEASE NOTE VGA JACKS NO LONGER REQUIRED. PROVIDE SAME STYLE OF LOW VOLTAGE CABLES TO MATCH ORIGINAL INSTALLATION. TERMINATE AT EQUIPMENT RACK LOCATED IN IT/AV ROOM #105A. FIELD VERIFY. REFER TO PHOTO #2/E300.

REINSTALL A PREVIOUSLY REMOVED A/V CONTROL PANEL IN THIS LOCATION. COORDINATE WITH WTC IT DEPARTMENT. REFER TO PHOTO #4/E300.

THIS IN-FLOOR JUNCTION BOX (ONLY) SHALL INCLUDE TWO (2) CAT6A DATA JACKS FOR CONFERENCE TABLE. PROVIDE TWO (2) CAT6A CABLES TO EQUIPMENT RACK LOCATED IN BASEMENT AND TERMINATE BOTH ENDS OF EACH CABLE. FIELD VERIFY LOCATION OF EXISTING EQUIPMENT RACK IN BASEMENT PRIOR TO SUBMITTING BID.



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WESTERN TECHNICAL COLLEGE
KUMM STUDENT UNION REMODEL

Project Location: 400 6th St. N.
La Crosse WI 54601

ELECTRICAL SCHEDULES

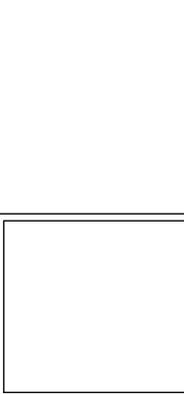
Project Title:

HSR Project Number: 25041

Project Date: FEBRUARY 2026

Drawn By: PLP

Key Plan:



No.	Description	Date

Graphic Scale: VARIES

Last Update: 2/03/2026

E500

LIGHTING FIXTURE SCHEDULE												
TYPE	QTY	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	MOUNTING			LAMP/LIGHT SOURCE		WATTS/ FIXTURE	REMARKS	
					VOLT	F	S	COLOR	LUMENS			TYPE
AD2		ACUITY	STAK-2X2-3000LM-80CRI-40K-COL-MINI-ZT-NLTAIR2	2'X2' LED LAYIN TROFFER, CURVED RIBBED CENTER BASKET, UNIVERSAL VOLTAGE, DIMMING, ADJUSTABLE LUMEN, ADJUSTABLE COLOR TEMP., NLIGHT AIR	MLT	X		35-50	3040/50	LED 0-10VDC DIMMING	28-45	1
AD2S		ACUITY	STAK-2X2-3000LM-80CRI-40K-COL-MINI-ZT-NLTAIR2-APDT	2'X2' LED LAYIN TROFFER, CURVED RIBBED CENTER BASKET, UNIVERSAL VOLTAGE, DIMMING, ADJUSTABLE LUMEN, ADJUSTABLE COLOR TEMP., NLIGHT AIR	MLT	X		35-50	3040/50	LED 0-10VDC DIMMING	28-45	1
AD2-E		ACUITY	STAK-2X2-3000LM-80CRI-40K-COL-MINI-ZT-NLTAIREM2	2'X2' LED LAYIN TROFFER, CURVED RIBBED CENTER BASKET, UNIVERSAL VOLTAGE, DIMMING, ADJUSTABLE LUMEN, ADJUSTABLE COLOR TEMP., NLIGHT AIR, EMER	MLT	X		35-50	3040/50	LED 0-10VDC DIMMING	28-45	1
AD4		ACUITY	STAK-2X4-5000LM-80CRI-40K-COL-MINI-ZT-NLTAIR2	2'X4' LED LAYIN TROFFER, CURVED RIBBED CENTER BASKET, UNIVERSAL VOLTAGE, DIMMING, ADJUSTABLE LUMEN, ADJUSTABLE COLOR TEMP., NLIGHT AIR	MLT	X		35-50	5060/70	LED 0-10VDC DIMMING	35-60	1
AD4S		ACUITY	STAK-2X4-5000LM-80CRI-40K-COL-MINI-ZT-NLTAIR2-APDT	2'X4' LED LAYIN TROFFER, CURVED RIBBED CENTER BASKET, UNIVERSAL VOLTAGE, DIMMING, ADJUSTABLE LUMEN, ADJUSTABLE COLOR TEMP., NLIGHT AIR	MLT	X		35-50	5060/70	LED 0-10VDC DIMMING	28-45	1
AD4-E		ACUITY	STAK-2X4-5000LM-80CRI-40K-COL-MINI-ZT-NLTAIREM2	2'X4' LED LAYIN TROFFER, CURVED RIBBED CENTER BASKET, UNIVERSAL VOLTAGE, DIMMING, ADJUSTABLE LUMEN, ADJUSTABLE COLOR TEMP., NLIGHT AIR, EMER	MLT	X		35-50	3040/50	LED 0-10VDC DIMMING	28-45	1
C4		ACUITY	LDN4-40/20-L04-AR-LSS-TRW-MVOLT-G21-NLTAIR2	6" RECESSED DOWNLIGHT, 40K, 2000LUMENS, DOWNLIGHT, CLEAR TRIM COLOR, SEMI SPECULAR TRIM COLOR, WHITE FLANGE, 0-10V DIMMING, NLTAIR	MLT	X		4000K	2000	LED 0-10VDC DIMMING	20	2
D		TGS	ORBS-18-36-40-U-D1-BK-CM10	18"X18" SUSPENDED MOUNT, LED, DECORATIVE, BLACK FINISH	MLT	X		4000K	2.520	LED 0-10VDC DIMMING	36	2
TL8 H		TIMES SQUARE LIGHTING	JCR42-8040-B-120-48-DT2-010	LED TRACK HEAD, BLACK, QUANTITY OF 4	120		X	4000K	3500	LED 0-10VDC DIMMING	28	2
TL8 TK		TIMES SQUARE LIGHTING	DT8B	8'-0", TWO CIRCUIT, BLACK TRACK	120		X	4000K	3500	LED 0-10VDC DIMMING	28	2
X1/X2		ACUITY	LQM-BBS-RG-MVOLT-M6	LED EXT LIGHT, RED LETTERS, STAINLESS STEEL HOUSING, UNIVERSAL MONTING.	120/277		X			LED	<5	2
REMARKS:												
1 EQUALS ACCEPTED FOR THIS LIGHTING FIXTURE WITH PRIOR APPROVAL ONLY.												
2 EQUALS ACCEPTED FOR THIS LIGHTING FIXTURE												

Panel- 'S', 125 AMP., 120/208VAC, 3-Phase, M.L.O. 22K

Space No.	Serves	C/B Size/Type	Load (KVA)	Load (KVA)	C/B Size/Type	Serves	Space No.
1	EXISTING	20/1			20/1	EXISTING	2
3	EXISTING	20/1			20/1	EXISTING	4
5	EXISTING	20/1			20/1	EXISTING	6
7	EXISTING	20/1			20/1	EXISTING	8
9	EXISTING	20/1			20/1	EXISTING	10
11	EXISTING	20/1			20/1	EXISTING	12
13	EXISTING	20/1			20/1	EXISTING	14
15	EXISTING	40/2			20/1	EXISTING	16
17	EXISTING	40/2			20/1	EXISTING	18
19	EXISTING	20/1			20/1	EXISTING	20
21	EXISTING	20/1			20/1	EXISTING	22
23	EXISTING	20/1			20/1	EXISTING	24
25	EXISTING	20/1			20/1	EXISTING	26
27	EXISTING	20/1			20/1	EXISTING	28
29	EXISTING	20/2			20/2	EXISTING	30
31	EXISTING	20/2			20/2	EXISTING	32
33	EXISTING	20/1			20/1	EXISTING	34
35	EXISTING	20/1			20/1	EXISTING	36
37	EXISTING	20/1			20/1	EXISTING	38
39	EXISTING	20/1			20/1	EXISTING	40
41	EXISTING	20/1			20/1	EXISTING	42

LIGHTING (KVA):

RECEPTACLES (KVA):

MOTOR/EQUIPMENT (KVA):

TOTAL (KVA):

TOTAL AMP. :

(DIVERSIFIED) TOTAL (KVA):

Notes:

1 Provide a 42 space panelboard.

2 Include with Alternate Bid #3



ENTERPRISE

Lighting & Control

Controls Drawing Package

FOR QUESTION REGARDING THIS LAYOUT OR TO ARRANGE A PREWIRE MEETING PLEASE EMAIL CONTROLS@ENTERPRISELIGHTING.COM

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN



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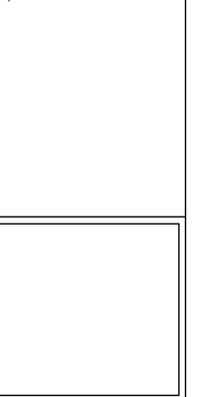
Sheet Title: ELECTRICAL LIGHTING CONTROLS

HSR Project Number: 25041

Project Date: FEBRUARY 2026

Drawn By: PLP

Key Plan:



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Graphic Scale: VARIES

Last Update: 2/03/2026

E600

General System Notes

ON DIGITAL SYSTEMS, ALL DEVICES TO BE CONNECTED IN A DAISY CHAIN PATTERN SO THAT THE FIRST AND LAST DEVICE IN THE CHAIN HAS AN OPEN PORT.

ON DIGITAL SYSTEMS, CONTRACTOR SHALL NOTE AND LABEL ADDRESS AND LOCATION OF EACH DEVICE ON THE SYSTEM ONE-LINE DIAGRAMS OR SYSTEM LAYOUT DRAWINGS AT TIME OF INSTALLATION.

ONE-LINE DIAGRAMS INDICATE THE REQUIRED GROUPING OF WIRES, NOT THE NUMBER OR SIZE OF CONDUITS.

WIRING SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE (NEC) AND APPLICABLE LOCAL CODES, INCLUDING PROVISION OF EQUIPMENT GROUNDING AS REQUIRED BY THE NEC.

POWER CONDUCTORS SHALL BE SIZED PER THE NEC AMPACITY TABLES (ARTICLE 310), INCLUDING ADJUSTMENT FACTOR AND NEUTRAL CONDUCTOR REQUIREMENTS (FEED AND BRANCH NEUTRAL CONDUCTORS MUST BE COUNTED AS CURRENT CARRYING CONDUCTORS). RUN SEPARATE NEUTRAL CONDUCTORS FOR EACH DIMMED LOAD CIRCUIT.

FOR 0-10VDC DIMMING SYSTEMS, VIOLET AND GRAY/PINK CONDUCTORS ARE FOR 0-10VDC LOW VOLTAGE TERMINATIONS ONLY. NEVER TERMINATE LINE VOLTAGE (120/230/277VAC) TO VIOLET AND GRAY/PINK.

CONTRACTOR IS RESPONSIBLE FOR ALL CONTROL TERMINATIONS. NO SPLICES ARE PERMITTED IN CAT5/6 CONTROL WIRING.

LIGHTING CONTROL EQUIPMENT MUST BE INSTALLED, MAINTAINED, AND OPERATED IN AN "OFFICE CLEAN" DRY ENVIRONMENT, INDOOR DRY LOCATIONS ONLY, 10% - 90% RELATIVE HUMIDITY; AMBIENT TEMPERATURE 0°- 40°C (32°- 104°F) - 0°- 35°C (32°- 95°F) RECOMMENDED.

SENSORS IN ELECTRICAL/MECHANICAL LOCATIONS NEED TO BE VERIFIED WITH AUTHORITY HAVING JURISDICTION. REFER TO NEC 110.26.D.

VERIFY MAXIMUM CABLE LENGTHS BASED ON CONTROL SYSTEM. MANUFACTURER IS NOT RESPONSIBLE FOR SYSTEMS EXCEEDING CABLING PARAMETERS.

LOW VOLTAGE CABLE MUST BE INSTALLED AT LEAST 12 INCHES FROM ALL LINE VOLTAGE CONDUCTORS EXCEPT TO CROSS OR MAKE TERMINATIONS. CAT. 5 CABLE MUST BE KEPT AWAY FROM ALL EMF DEVICES SUCH AS BALLASTS OR TRANSFORMERS.

0-10V DIMMING BALLASTS AND DRIVERS ARE REQUIRED TO COMPLY WITH IEC 60929 ANNEX E SPECIFICATIONS.

Enterprise Lighting Notes

FOR PROJECTS WITH SENSORSWITCH CONTROLS, ALL REQUIRED LINE VOLTAGE SWITCHES, 0-10V DIMMERS, AND PHASE DIMMERS ARE TO BE PROVIDED BY THE INSTALLING CONTRACTOR

OWNER TRAINING IS INCLUDED WITH ALL PROJECTS THAT INCLUDE CONTROLS SERVICES. TRAINING SHOULD BE SCHEDULED AT THE TIME OF COMMISSIONING.

IF PROJECTS ARE TO BE INSTALLED IN PHASES WITH SEPARATE STARTUP TRIPS REQUIRED, PHASING NEEDS MUST BE IDENTIFIED AT THE TIME OF THE QUOTE REQUEST. ADDITIONAL TRIPS FOR PHASED STARTUPS THAT ARE NOT KNOWN AT THE TIME OF QUOTE ARE SUBJECT TO ADDITIONAL CHARGES.

ALL UL924 DEVICE COUNTS MUST BE CONFIRMED BY THE INSTALLING CONTRACTOR BEFORE PLACING AN ORDER.

nLight Air System Notes

INITIAL NETWORKED NLIGHT AIR DEVICES SHOULD BE LOCATED WITHIN 100 FEET OF AN NLIGHT AIR ADAPTER IN INDOOR APPLICATIONS UNLESS A SITE SURVEY HAS BEEN DONE TO CONFIRM OTHERWISE

FOR MAXIMUM RANGE, THE NLIGHT AIR ADAPTER, WHICH IS USED FOR NETWORK COMMUNICATION, SHOULD BE MOUNTED IN AN OPEN INDOOR AREA (SUCH AS A CORRIDOR) AND SHOULD NOT BE LOCATED IN AN ENCLOSED SPACE (SUCH AS AN ELECTRICAL CLOSET).

A MAXIMUM OF 1,000-FOOT LINE OF SIGHT DISTANCE SHOULD BE USED FOR OUTDOOR APPLICATIONS WHERE LINE OF SIGHT IS AVAILABLE BETWEEN THE NLIGHT AIR ADAPTER AND DEVICES RECEIVING AN INITIAL BROADCAST.

AN NLIGHT ECLYPSE WITH A CONNECTED NLIGHT AIR ADAPTER CAN SUPPORT 750 DEVICES TOTAL. STANDALONE NLIGHT AIR GROUPS CAN CONTAIN UP TO 128 NLIGHT AIR DEVICES. ALL DEVICES WITHIN A STANDALONE GROUP SHOULD BE LOCATED WITHIN A MAXIMUM OF 1000 FETT CLEAR LINE-OF-SIGHT OF EACH DEVICE IN THE GROUP.

SOME CEILING-MOUNTED NLIGHT AIR SENSORS WILL REQUIRE A CONNECTION TO A POWER SUPPLY OR NLIGHT AIR POWERPACK FOR LOW VOLTAGE POWER; SEE THE RCMS SPECIFICATION SHEET FOR MORE INFORMATION. BATTERY-POWERED SENSORS ARE AVAILABLE FOR INDOOR APPLICATIONS (RCMSB SENSOR); SEE THE RCMSB SPECIFICATION SHEET FOR MORE INFORMATION.

SOME BATTERY-POWERED NLGIHT AIR SWITCHES AND CEILING-MOUNTED SENSORS (RPODBA AND RCMSB SERIES) INCLUDE AN INTERNAL BATTERY RATED FOR A 10-YEAR LIFE EXPECTANCY. LINE-VOLTAGE POWERED SWITCHES ARE AVAILABLE; SEE THE RPODLA SPECIFICATION SHEET FOR MORE INFORMATION ON AVAILABLE OPTIONS.

NLIGHT AIR DEVICES MUST BE PROGRAMMED USING THE CLARITY PRO MOBILE APPLICATION BEFORE THEY CAN BE CONTROLLED OR NETWORKED TO AN NLIGHT ECLYPSE WITH AN NLIGHT AIR ADAPTER.



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KUMM STUDENT UNION REMODEL**

Project Location: **400 6th St. N.
La Crosse WI 54601**

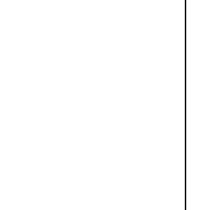
Sheet Title: **ELECTRICAL LIGHTING CONTROLS**

HSR Project Number: **25041**

Project Date: **FEBRUARY 2026**

Drawn By: **PLP**

Key Plan:

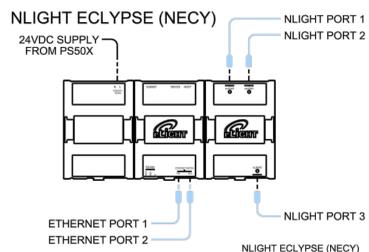


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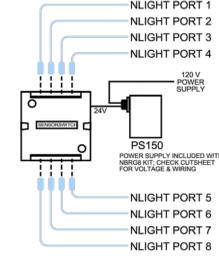
Graphic Scale: **VARIES**

Last Update: **2/03/2026**

E601



NBRG 8 Bridge



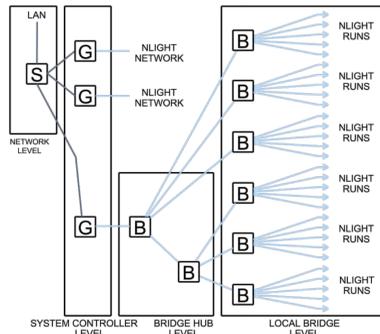
NLIGHT ECLYPSE (NECY)
NECY HAS BEEN SHOWN HERE AS TYPICAL AND INDICATIVE OF CONNECTION TYPES. PLEASE REFER TO THE NECY SPECIFICATION SHEET FOR MODEL SPECIFIC FEATURES. THE NECY HAS THREE NLIGHT PORTS; PORT 1 IS TYPICALLY USED TO HOST THE NLIGHT NETWORK; PORT 2 IS TYPICALLY LEFT SPARE, AND PORT 3 IS TYPICALLY RESERVED FOR AN NGWY2 GFX TOUCHSCREEN. TWO ETHERNET PORTS ARE AVAILABLE WITH A BUILT-IN ETHERNET SWITCH. THE ETHERNET PORTS MAY BE USED TO CONNECT TO A BUILDING LAN, BUILDING MANAGEMENT SYSTEM, OR A PERSONAL COMPUTER.

NLIGHT BRIDGE (NBRG 8)
THE NBRG 8 BRIDGE FEATURES 8 NLIGHT PORTS. ONE PORT IS RESERVED FOR UPSTREAM COMMUNICATION, AND ANY NUMBER OF THE REMAINING 7 CAN BE USED FOR DOWNSTREAM COMMUNICATION. ALLOWANCE OF AT LEAST ONE SPARE PORT IS TYPICAL.

NLIGHT NETWORK RISER

N.T.S.

SYMBOLS KEY:
S = LAN EQUIPMENT
G = NLIGHT ECLYPSE (NECY)
B = NLIGHT BRIDGE (NBRG 8)



NETWORK LEVEL

ALL NLIGHT GATEWAY DEVICES (NECY) ARE CONNECTED OVER A LOCAL AREA NETWORK. COMPUTERS ON THIS LEVEL MAY CONNECT THROUGH SENSORVIEW AND BUILDING AUTOMATION SYSTEMS MAY ACCESS SYSTEM INFORMATION OVER BACNET/IP WHERE APPLICABLE AND WITH PROPER NECY OPTIONS (SEE NECY SPECIFICATION SHEET FOR MORE INFORMATION).

SYSTEM CONTROLLER LEVEL

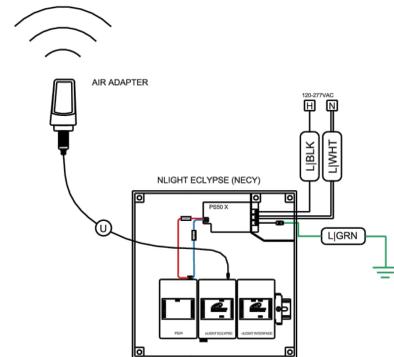
NECY ON THIS LEVEL WILL HOST AN NLIGHT NETWORK. DEVICES ON THIS LEVEL SHOULD BE LOCATED ON THE SAME SUB NETWORK (SUBNET).

BRIDGE HUB LEVEL

NLIGHT BRIDGES ON THIS LEVEL FUNCTION AS HUBS IN A STAR TOPOLOGY. THE NLIGHT NETWORK HOSTED BY THE NECY MUST BE ROUTED TO EACH BRIDGE ON THE LOCAL BRIDGE LEVEL. EACH BRIDGE HUB WILL UTILIZE ONE PORT TO RUN UPSTREAM (TOWARDS THE NECY) AND ANY NUMBER OF THE REMAINING 7 PORTS TO FEED DOWNSTREAM RUNS (TOWARDS NLIGHT ZONE). LARGE SYSTEMS WILL OFTEN USE A TIERED APPROACH WITH BRIDGE HUBS RUNNING TO ADDITIONAL BRIDGE HUBS. IN THESE SITUATIONS, THE MAXIMUM NUMBER OF BRIDGE HUB TIERS IS 8.

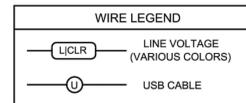
LOCAL BRIDGE LEVEL

NLIGHT BRIDGES ON THIS LEVEL UTILIZE ONE PORT TO RUN UPSTREAM (TOWARDS BRIDGE HUBS) AND ANY NUMBER OF THE REMAINING 7 PORTS TO FACILITATE NLIGHT ZONES CONSISTING OF CAT5-DAISY-CHAINED NLIGHT LIGHTING CONTROL DEVICES.



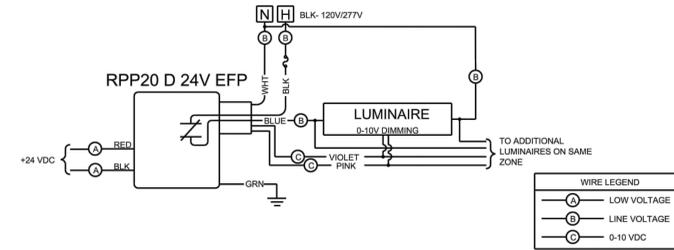
SYSTEM NOTES

1. AIR ADAPTER SHOULD BE PLACED IN AN OPEN SPACE FOR BEST WIRELESS SIGNAL STRENGTH.



NLIGHT ECLYPSE (NECY) TO AIR ADAPTER

N.T.S.



TYPICAL WIRING DIAGRAM: RPP20 D 24V EFP

N.T.S.



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Key Plan:

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Graphic Scale: **VARIES**
Last Update: **2/03/2026**

E602



Consultant:



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WESTERN TECHNICAL COLLEGE
KUMM STUDENT UNION REMODEL

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ELECTRICAL LIGHTING CONTROLS

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HSR Project Number: 25041

Project Date: FEBRUARY 2026

Drawn By: PLP

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E604



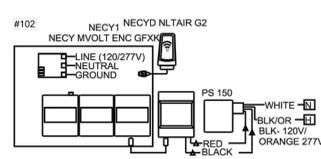
PRODUCT LEGEND LC 1.0	
1	nECY nECY MVOLT ENC GFXX nLight ECLYPSE, 120-277V, Enclosure for nLight ECLYPSE, nGWY2 GFX and PS 150 Power Supply
1	nECY AIR nECYD NLTAIR G2 nLight ECLYPSE, nLight AIR adaptor for nECY, Generation Two
1	nTS NTS 7IN XX nLight 7" Touchscreen, Touchscreen Wall Control
5	rSA 4SD RPODBA 4S DX XX G2 nLight Preset Wall control, 4 scene control, Raise/Lower Dimming Without Wires, Generation Two
1	rSL 2PD RPODL 2P DX MVOLT XX G2 Line Powered Wall Switch, 2-Pole, Raise/Lower Dimming Without Wires, 120-277 VAC, Generation Two
10	rSL D RPODL DX MVOLT XX G2 Line Powered Wall Switch, Raise/Lower Dimming Without Wires, 120-277 VAC, Generation Two
9	rPD 24 RPP20 D 24V EFP G2 nLight Air Power/Relay Pack, Networked Version, Dimming, 24 volt output, Generation Two
7	AD2 Stack Luminaire nLight Air enabled, wireless control
8	AD2-E Stack Luminaire nLight Air enabled, wireless control Connected to emergency power circuit
12	AD2-S Stack Luminaire nLight Air enabled, wireless control Integral combination occupancy & daylight sensor with 7'-15" mounting height lens
2	AD4 Luminaire nLight Air enabled, wireless control
12	AD4-S Luminaire nLight Air enabled, wireless control Integral combination occupancy & daylight sensor with 7'-15" mounting height lens
2	AD4-SE Luminaire nLight Air enabled, wireless control Connected to emergency power circuit Integral combination occupancy & daylight sensor with 7'-15" mounting height lens
31	C4 LDN4 EZ1 NLTAIR2 Luminaire nLight Air enabled, wireless control



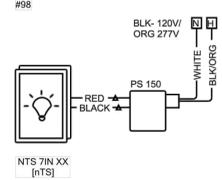
1 ELECTRICAL LIGHTING PLAN

3/4" = 1'-0" N.T.S.

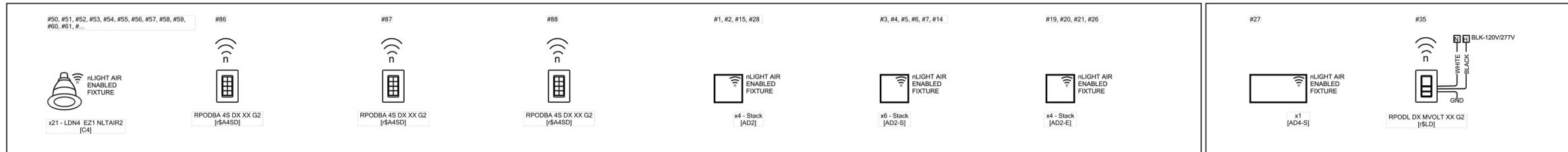




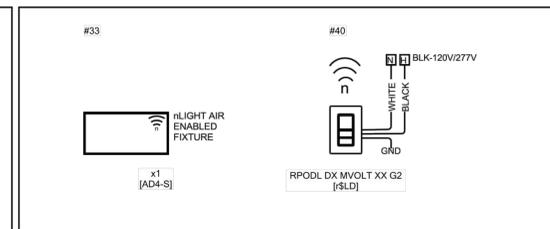
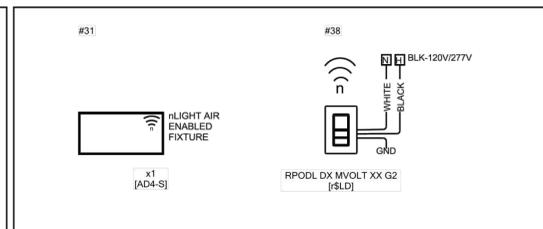
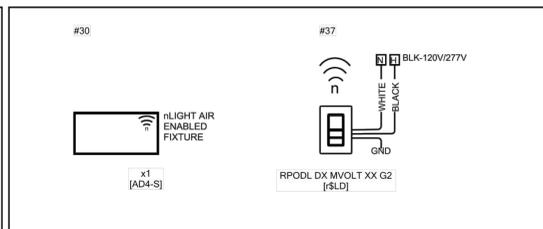
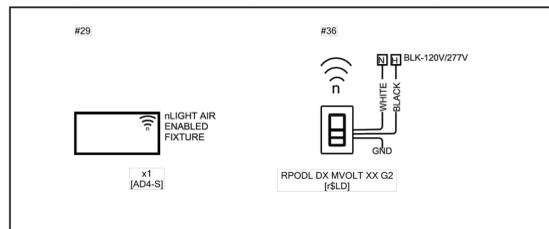
2 nLight - Student Union 105
LC 1.0



1 Network Riser - NECY1
LC 1.0

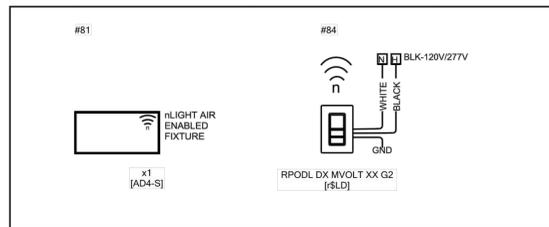


3 nLight Air Standalone - Lounge 104
LC 1.0

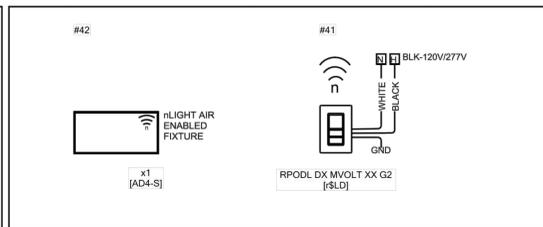


4 nLight Air Standalone - Office 104A
LC 1.0

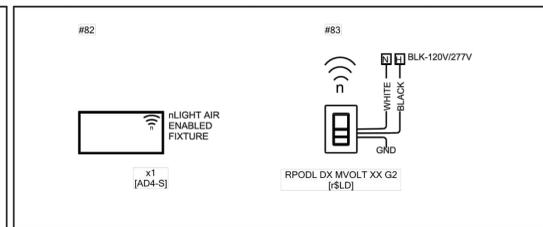
5 nLight Air Standalone - Office 104B
LC 1.0



6 nLight Air Standalone - Office 104C
LC 1.0



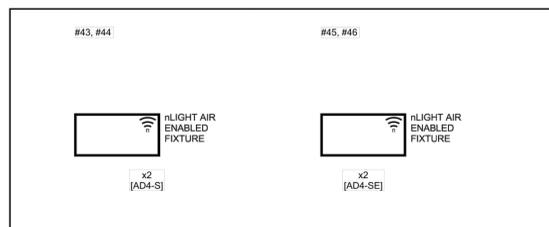
7 nLight Air Standalone - Office 104D
LC 1.0



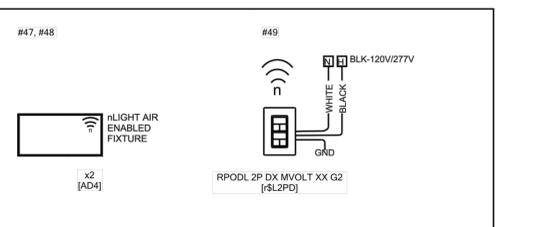
8 nLight Air Standalone - Office 104G
LC 1.0



9 nLight Air Standalone - Office 106
LC 1.0



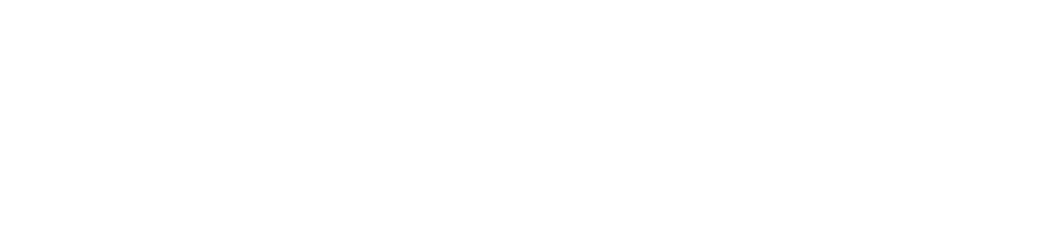
10 nLight Air Standalone - Quiet RM 104H
LC 1.0

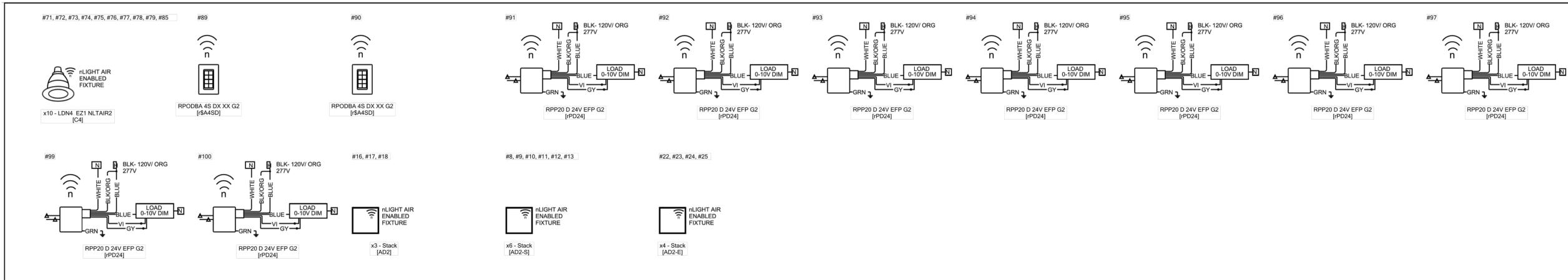


11 nLight Air Standalone - Storage 100F
LC 1.0

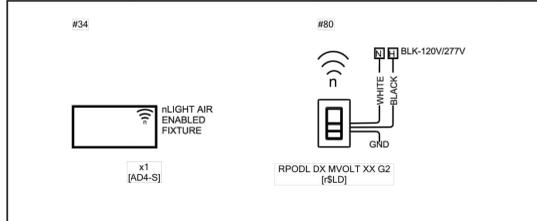


12 nLight Air Standalone - Storage RM 104E
LC 1.0

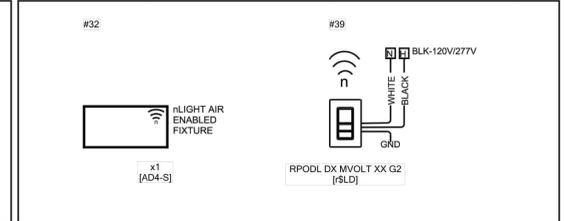




13 nLight Air Standalone - Student Union 105
CC 1.0



14 nLight Air Standalone - Wellness 103
CC 1.0



15 nLight Air Standalone - Work RM 104F
CC 1.0



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Project Title: WESTERN TECHNICAL COLLEGE
KUMM STUDENT UNION REMODEL
Project Location: 400 6th St. N.
La Crosse WI 54601
Sheet Title: ELECTRICAL LIGHTING CONTROLS

HSR Project Number: 25041

Project Date: FEBRUARY 2026

Drawn By: PLP

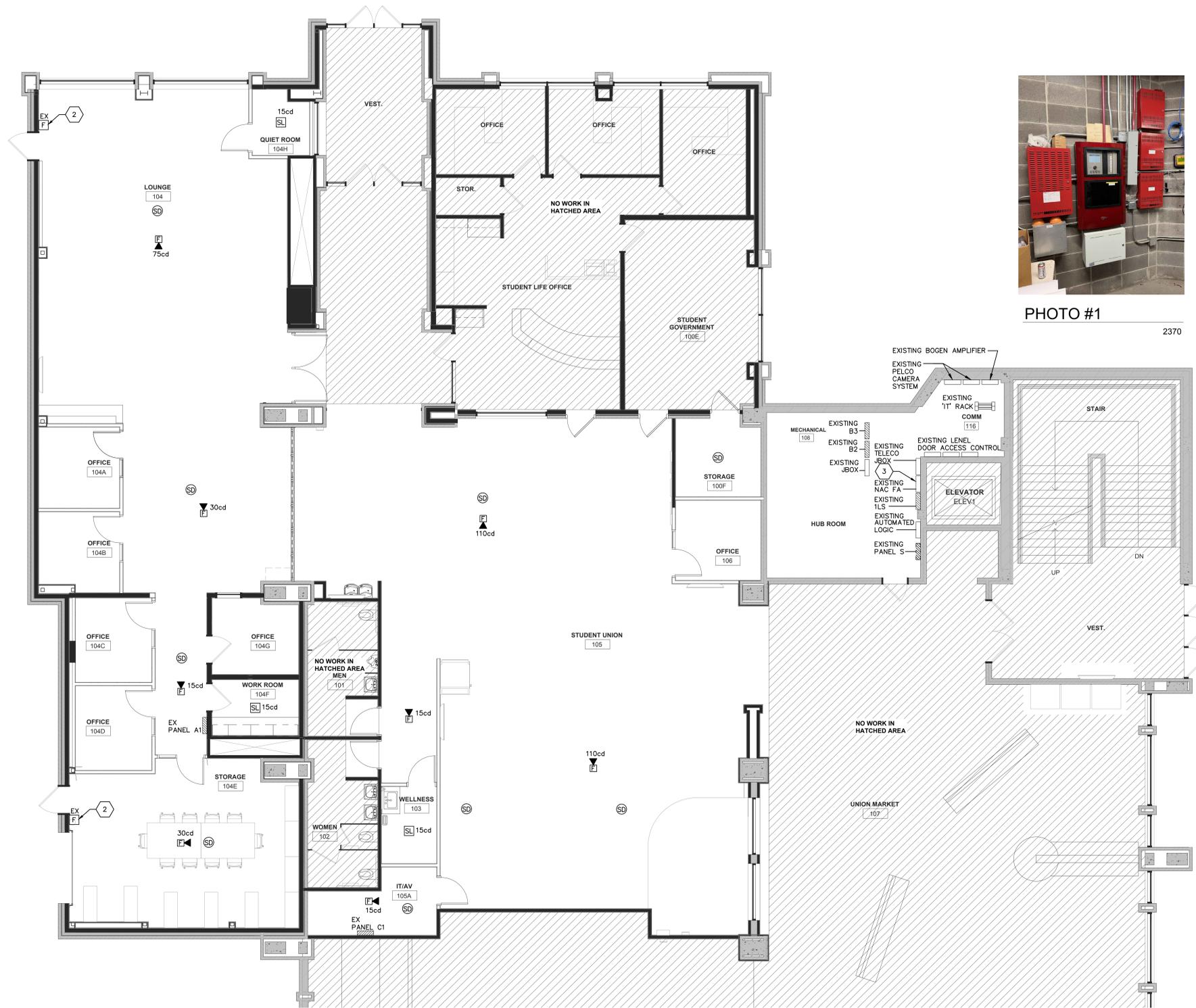
Key Plan:

No.	Description	Date

Graphic Scale: VARIES

Last Update: 2/03/2026

E606

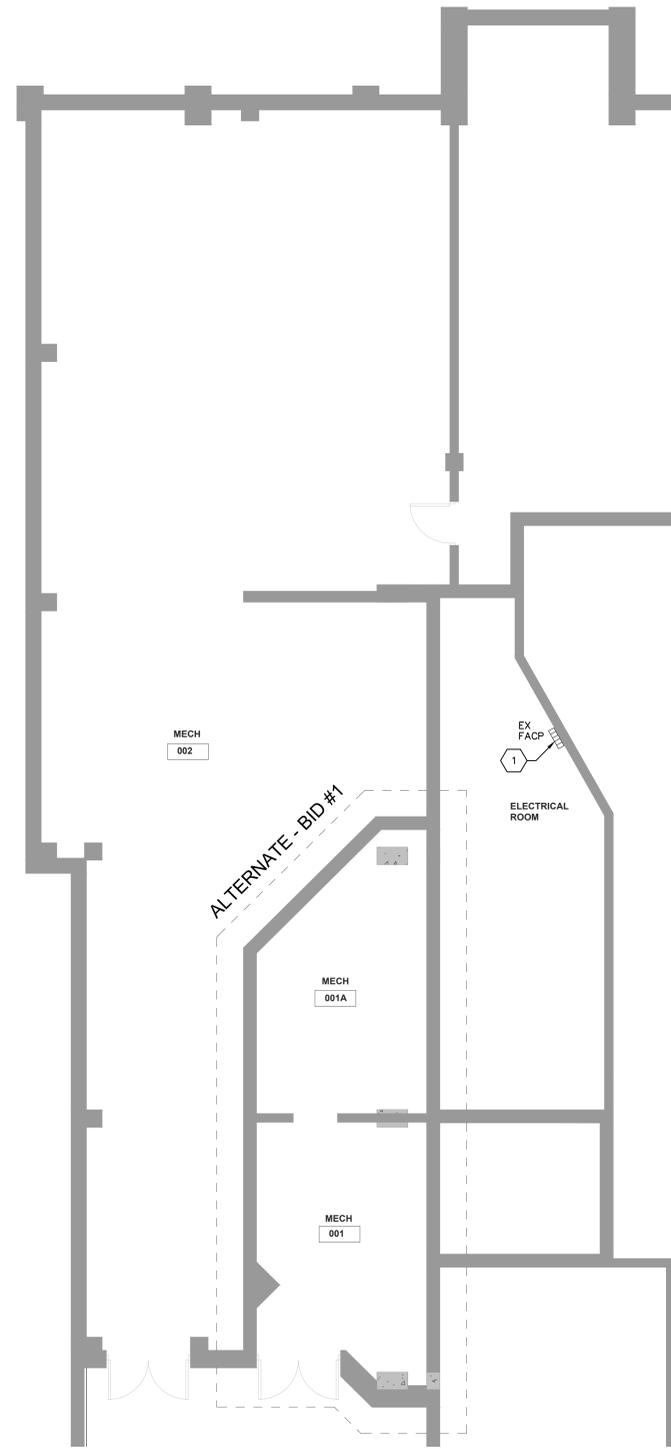


1 FIRE ALARM PLAN
3/16" = 1'-0"

FIRE ALARM SYSTEM SYMBOLS

NOTES:
MOUNTING HEIGHTS FOR FIRE ALARM DEVICES:
MANUAL PULL STATION = 48"
HORN/STROBE = 80"
STROBE LIGHTS = 80"
MAGNETIC DOOR HOLDERS = AS SPECIFIED

- [RPU-DVC] REMOTE PAGING UNIT - DIGITAL VOICE COMMAND RPU-DVC
- [FACP] FIRE ALARM CONTROL PANEL (FACP) ; VOICE EVAC
- [FAAN] FIRE ALARM ANNUNCIATOR PANEL (FAAN)
- [F] MANUAL PULL STATION
- [H] HEAT DETECTOR
- [RTS] REMOTE DUCT DETECTOR TEST SWITCH
- [S] DUCT SMOKE DETECTOR
- [SD] SMOKE DETECTOR
- [SL] VISUAL STROBE ONLY
- [E] F.A. SPEAKER / VISUAL (SPEAKER/STROBE)
- [DH] MAGNETIC DOOR HOLDER
- [FS] SPRINKLER SYSTEM WATER FLOW SWITCH
- [TS] SPRINKLER SYSTEM TAMPER SWITCH
- G WIRE GUARD PROTECTION



2 BASEMENT PLAN
3/16" = 1'-0"

GENERAL NOTES:

A. Existing EDWARDS EST-3X fire alarm control panel is approved for this project.
Contact:
Banko Systems
201 S Chestnut St.
LaCrosse, WI 54601
507-785-4081
www.banko.com
Kevin Weichert

B. Free-air red color Fire Alarm Plenum rated cable shall be allowed for this project. It must be approved by Edwards EST Manufacturer and meet all NEC and NFPA code rules.

C. Electrical Contractor is responsible to install a complete Fire Alarm System. It shall be allowed to reuse existing fire alarm system wiring, junction boxes, conduit, etc. to the extent possible for remodel work.

D. Please note, entire building is completely sprinklered.

E. Fire alarm control panel is located in Basement Electrical Room as noted on drawings.

KEYED FIRE ALARM PLAN NOTES:

- LOCATION OF EXISTING EDWARDS 'EST-3X', ADDRESSABLE FIRE ALARM CONTROL PANEL REFER TO PHOTO #1/FA01.
- EXISTING FIRE ALARM SYSTEM MANUAL PULL STATION TO REMAIN AS IS.
- LOCATION OF AN EXISTING EDWARDS FIRE ALARM SYSTEM NAC PANEL.



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Project Title: **WESTERN TECHNICAL COLLEGE
KUMM STUDENT UNION REMODEL**

Project Location: **400 6th St. N.
La Crosse WI 54601**

HSR Project Number: **25041**

Project Date: **FEBRUARY 2026**

Drawn By: **PLP**

Key Plan:

Sheet Title: **FIRE ALARM PLAN**

Revisions:

No.	Description	Date

Graphic Scale: **VARIES**

Last Update: **2/03/2026**

FA01