

c. Add Group 22 as follows:

HARDWARE GROUP 22

EACH SINGLE DOOR TO HAVE:

DR. 1H2

6 EA	BUTTS	FBB168 4.5 X 4.5 652	STANLEY
1 EA	RIM EXIT DEVICE	996L-R US26D	VONDUPRIN
1 EA	RIM CYLINDER WITH CORE	MBS-ICR X MBS-IC7 626	MBS
1 EA	CLOSER	4011 REG 689	LCN
1 EA	MAG HOLD OPEN	SEM7850 689	LCN
1 EA	SMOKE GASKET	F797B19	REESE

2. LOCKERS

a. Add the following lockers:

- i) Plastic lockers: Basis of Design-Scranton, Tufftec Lockers, prepared for padlock application (padlock by Owner).
- ii) Size: (3) tier, 12 x 12 x 60 inches (total height)
- iii) Sloped top.
- iv) Plastic 4 inch high base provided by locker supplier.
- v) Single coat hook at back of locker.

3. Section 27 00 00 COMMUNICATIONS CABLE AND EQUIPMENT

A. Paragraph 2.06 shall read as follows:

- a) Horizontal CAT 6 Cable (Plenum rated) Description: 24 AWG, 4-pair UTP, covered with a thermoplastic jacket:
- b) Comply with ICEA S-90-661 for mechanical properties.
Comply with ANSI/TIA/EIA-568-B.2, for performance specifications.
- c) Listed and labeled by an NRTL acceptable to authorities having jurisdiction as complying with UL 444 and NFPA 70 for the following types:
 - i) Communications, Plenum Rated: Type CMP, complying with NFPA 262.
- d) CMR.
- e) Flame Rating: Patch-UL 1581, CM, IEC 332-1, UL Listed.
- f) Category 6, 550MHz (minimum), UTP PVC Cable.
- g) Polyethylene Insulation.
- h) Unshielded twisted pair.
- i) Blue jacket color.

CHANGES TO DRAWINGS

- 4. Sheet A100R3 FIRST FLOOR REMODEL PLAN - SEG A 30 x 42 attached hereto
 - a. Revisions clouded on Drawing
- 5. Sheet A103R1 SECOND FLOOR REMODEL PLAN - SEG B 30 x 42 attached hereto
 - a. Revisions clouded on Drawings
- 6. Sheet A601R2 DOOR SCHEDULE 30 x 42 attached hereto
 - a. Revisions clouded on Drawings
 - b. Door 224 removed from project
 - c. 1H2 changed from side coiling door to standard 3'-0" door

7. Sheet ID104R1 OVERALL SECOND FLOOR FINISH PLAN 30 x 42 attached hereto
 - a. Revisions clouded on Drawings
8. Sheet ID106R1 SECOND FLOOR FINISH PLAN – SEG B 30 x 42 attached hereto
 - a. Revisions clouded on Drawings
9. Sheet M092R SECOND FLOOR HVAC REMOVAL PLAN 30 x 42 attached hereto
 - a. Revisions clouded on Drawing
10. Sheet M093R SECOND FLOOR PIPING REMOVAL PLAN 30 x 42 attached hereto
 - a. Revisions clouded on Drawing
11. Sheet M101R FIRST FLOOR HVAC REMOVAL PLAN 30 x 42 attached hereto
 - a. Revisions clouded on Drawing
12. Sheet M102 SECOND FLOOR HVAC REMODEL PLAN 30 x 42 attached hereto
 - a. Drawing added to Contract documents
13. Sheet M103 SECOND FLOOR PIPING REMODEL PLAN 30 x 42 attached hereto
 - a. Drawing added to Contract documents
14. Sheet M400R1 LARGE SCALE MECHANICAL ROOM PLAN 30 x 42 attached hereto
 - a. Revisions clouded on Drawing
15. Sheet M500R CHILLER PIPING ISOMETRIC 30 x 42 attached hereto
 - a. Revisions clouded on Drawing
16. Sheet M600R HVAC SCHEDULES 30 x 42 attached hereto
 - a. Revisions clouded on Drawing
17. Sheet M601 HVAC SCHEDULES 30 x 42 attached hereto
 - a. Drawing added to Contract documents.
18. Sheet E201R2 PARTIAL FIRST FLOOR POWER PLAN 30 x 42 attached hereto
 - a. Drawing added to Contract documents.
 - b. Provide a double duplex receptacle for wall-mounted monitor in classroom #130.
19. Sheet E301R2 PARTIAL FIRST FLOOR LOW VOLTAGE PLAN 30 x 42 attached hereto
 - a. Drawing added to Contract documents
 - b. In classrooms #124, 126, 128, 130, 132, 134, 136A and conference room #133 provide CAT6-A cable with 10 Gigabit networking for all A/V jacks. Coordinate with WTC IT department. All applications for video, audio editing/processing, AutoCad, SQL databases, file transfers & roaming profiles on domain controllers require CAT6A cabling
20. Sheet E302R2 PARTIAL SECOND FLOOR LOW VOLTAGE PLAN 30 x 42 attached hereto
 - a. Drawing added to Contract documents
 - b. In conference room #200 provide CAT6-A cable with 10 Gigabit networking for all A/V jacks. Coordinate with WTC IT department. All applications for video, audio editing/processing, AutoCad, SQL databases, file transfers & roaming profiles on domain controllers require CAT6A cabling.

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Consultant:

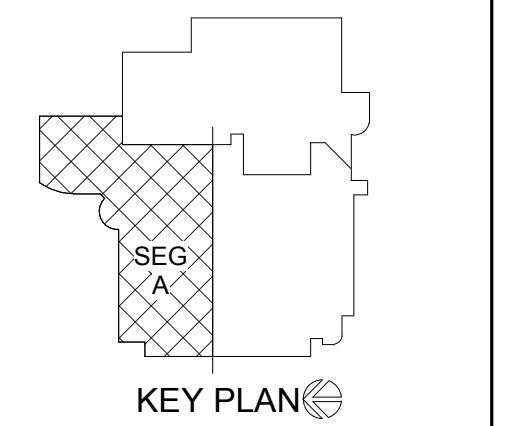
Project Title: **WESTERN TECHNICAL COLLEGE
ARC & WELCOME CENTER PHASE 2 REMODEL**
Project Location: 400 N. 7TH STREET
LA CROSSE, WI 54601
Sheet Title: **FIRST FLOOR REMODELED PLAN - SEG A**

HSR Project Number: **18047**

Project Date: **2-12-19**

Drawn By: **TBS/SRW**

Key Plan:



No.	Description	Date
A1	ADDENDUM #1	02/22/19
A2	ADDENDUM #2	02/28/19
A3	ADDENDUM #3	03/05/19
A6	ADDENDUM #6	03/12/19

Graphic Scale: 0' 2' 4' 8' 12'

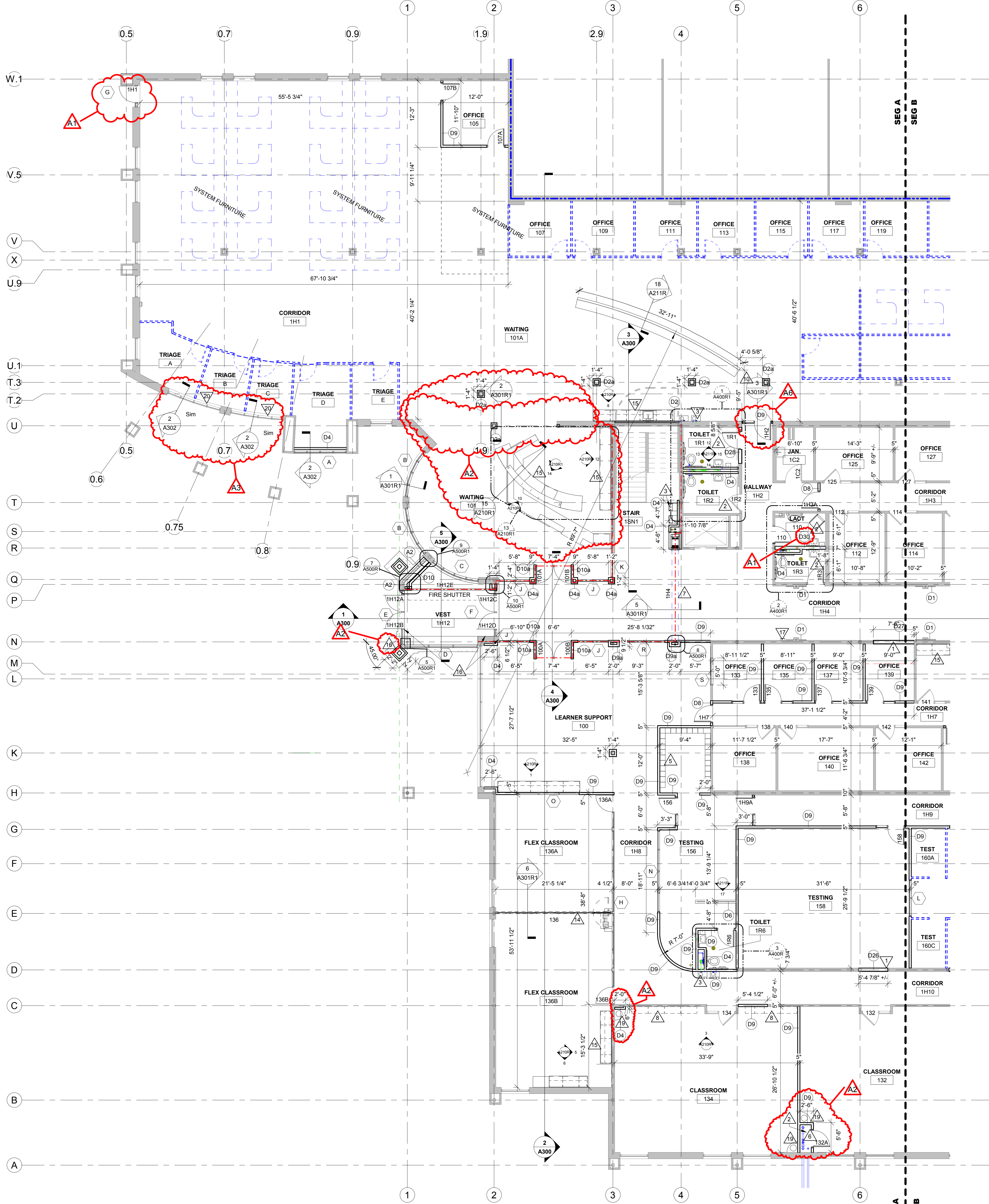
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A100R3

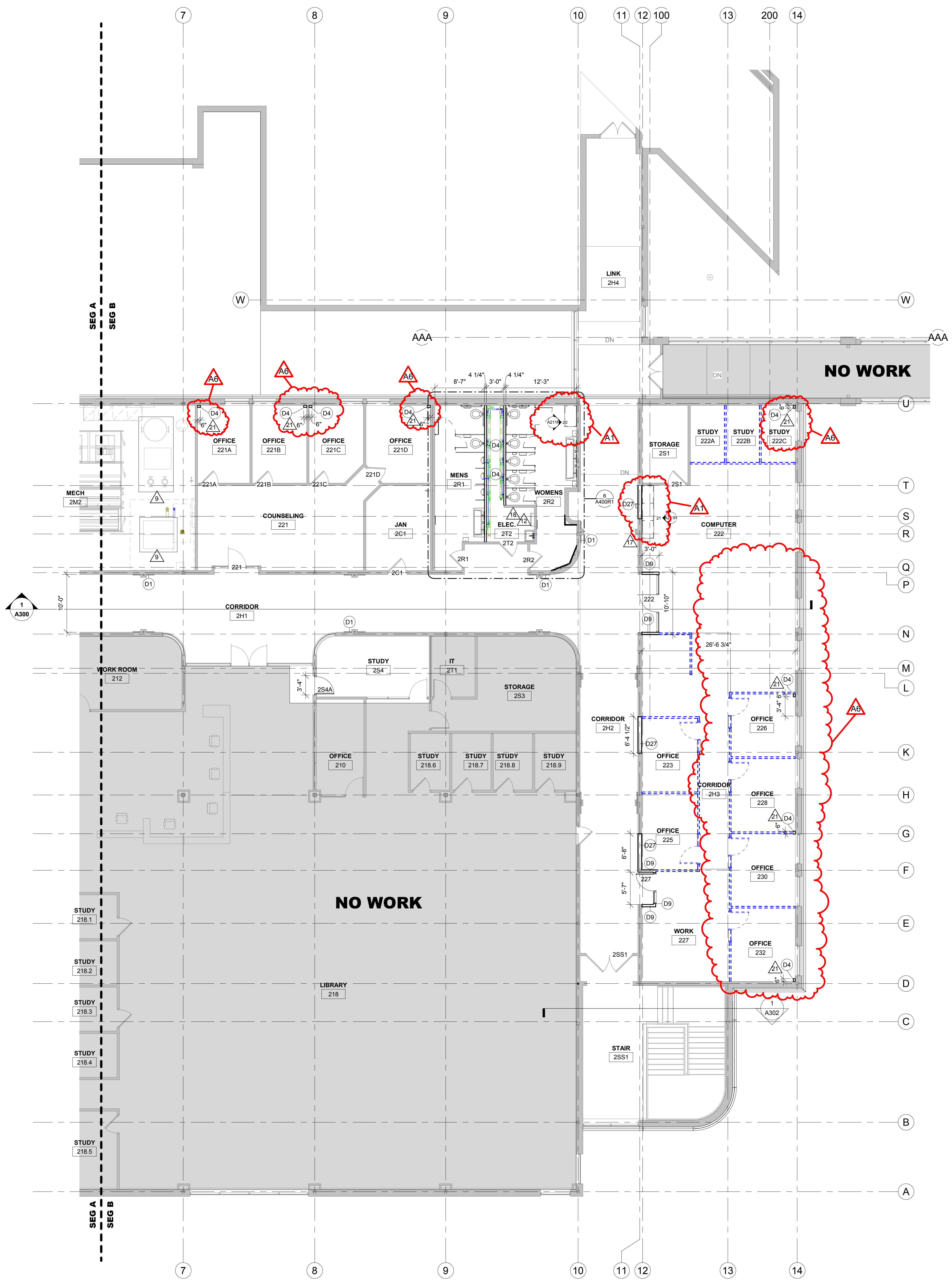
- GENERAL NOTES:**
- A SEE ID SHEETS FOR FLOOR AND WALL FINISH LAYOUTS.
 - B LOOSE FURNISHINGS EXCEPT AS NOTED SHALL BE PROVIDED AND INSTALLED BY THE OWNER.
 - C VERIFY EXACT SIZE AND LOCATION OF ALL MECHANICAL / PLUMB AND ELEC. OPENINGS - GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINISH AT ALL VISIBLE AREAS. ALL OPENING SHALL BE SEALED AFTER UTILITY INSTALLATION.
 - D PAINT ALL EXPOSED STEEL LINTELS.
 - E INSTALL BULLNOSE CMU AT ALL OUTSIDE CORNERS TWO TILE AND AT DOOR JAMBS AS DETAILED. NO BULLNOSE AT WINDOW JAMBS.
 - F SEE STRUCTURAL FOR SLAB CONTROL JOINTS.
 - G SEE A510 FOR WALL CONTROL JOINT DETAILS. SEE PLANS AND ELEVATIONS FOR C.J. LOCATIONS. C.J. = CONTROL JOINTS.
 - H REFER TO OVERALL PLANS FOR FIRE RATING LOCATIONS AND ACCESSIBILITY ROUTES.
 - I EXTEND ALL WALLS TO DECK UNLESS NOTED OTHERWISE. SEE A500 FOR TOP OF WALL DETAILS.
 - J UNLESS NOTED OTHERWISE RESTROOM FLOORS SHALL BE SLOPED A MIN. 1/16" - 1/2" TO FLOOR DRAINS - TO "CENTER", IF NO FLOOR DRAINS.
 - K FIXED EQUIPMENT IS SHOWN ON THIS PLAN FOR COORDINATION. SEE SHEETS A130/A133 FOR ALL EQUIPMENT NOTES.
 - L SEE A500 FOR TYPICAL HEAD FLASHING AND THROUGH-WALL FLASHING ISOMETRIC DETAILS.
 - M GEN. CONTRACTOR TO PROVIDE CONC. EQUIP. PADS/CURBS AS REQUIRED FOR MECHANICAL EQUIP. - VERIFY SIZE/PROFILE/LOCATION WITH MECHANICAL.

- LEGEND:**
- (A) SYMBOL INDICATES WALL TYPE - SEE SHEET A500 FOR WALL TYPE DETAILS.
 - (A) SYMBOL INDICATES WINDOW TYPE. SEE SHEET A500 FOR WINDOW FRAME ELEVATIONS.
 - (A) SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET
 - 1 HOUR WALL
 - 2 HOUR WALL
 - DENOTES SYSTEM FURNITURE BY OWNER
 - DENOTES SYSTEM FURNITURE DOORS BY OWNER

- KEY NOTES PLAN**
- 1 MODIFY WALL THICKNESS AS REQUIRED TO MATCH ADJACENT WALLS
 - 2 NEW CONC. SLAB FOR NEW PLUMBING CONNECTION. VERIFY EXACT LOCATION W/ PLUMBING. PATCH FLOOR WITH 4" CONC. AND #4 REBAR DOWELED INTO EXISTING SLAB 2'-0" O.C. MATCH ADJACENT EXISTING FLOOR FINISH
 - 3 DRINKING FOUNTAIN
 - 4 NOT USED
 - 5 12 X 12 LOCKERS
 - 6 NEW PLUMBING CHASE FOR NEW WELL PIPING - SEE PLUMBING
 - 7 FOLDING ACCORDIAN FIRE DOOR
 - 8 UPPER CASE WORK ONLY
 - 9 4" CONCRETE HOUSE KEEPING PADS. VERIFY SIZE AND LOCATION WITH MEP
 - 10 CONCRETE INFILL FOR UNDERSLAB ELECTRICAL WORK - SEE ELECTRICAL
 - 11 NEW ALUMINUM SUN SHADE
 - 12 EXISTING ROOF ACCESS LADDER
 - 13 METAL RAILING TO MATCH ADJACENT EXISTING RAILING
 - 14 FOLDING GLASS PANEL DOOR W/ INTEGRAL SWING DOOR
 - 15 PLUM CASEWORK - SEE ELEV. A210
 - 16 PUSH PLATE FOR DOOR AUTO OPERATOR
 - 17 SEMI RECESSED FIRE EXTINGUISHER CABINET
 - 18 ADD MOP AND BROOM HOLDERS TO WALL
 - 19 MECH DIFFUSER. VERIFY LOCATION WITH MECH
 - 20 VERIFY HEIGHT OF SILL (3'-6"). MATCH EXISTING. SOLID SURFACE SILL AT TOP OF WALL CHASE FOR MECHANICAL PIPING. VERIFY EXACT LOCATION AND SIZE WITH MECHANICAL.



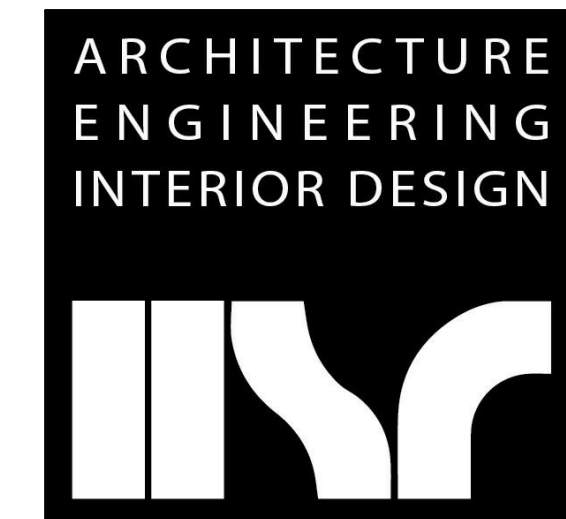
1 FIRST FLOOR REMODELED PLAN - SEG A
1/8" = 1'-0"



- GENERAL NOTES:**
- A. SEE ID SHEETS FOR FLOOR AND WALL FINISH LAYOUTS.
 - B. LOOSE FURNISHINGS EXCEPT AS NOTED SHALL BE PROVIDED AND INSTALLED BY THE OWNER.
 - C. 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.
 - D. PAINT ALL EXPOSED STEEL LINTELS.
 - E. INSTALL BULLNOSE CMU AT ALL OUTSIDE CORNERS W/O TILE AND AT DOOR JAMBS AS DETAILED. NO BULLNOSE AT WINDOW JAMBS.
 - F. SEE STRUCTURAL FOR SLAB CONTROL JOINTS.
 - G. SEE AS10 FOR WALL CONTROL JOINT DETAILS. SEE PLANS AND ELEVATIONS FOR CJ LOCATIONS. CJ = CONTROL JOINTS.
 - H. REFER TO OVERALL PLANS FOR FIRE RATING LOCATIONS AND ACCESSIBILITY ROUTES.
 - J. EXTEND ALL WALLS TO DECK UNLESS NOTED OTHERWISE. SEE A500 FOR TOP OF WALL DETAILS.
 - K. UNLESS NOTED OTHERWISE RESTROOM FLOORS SHALL BE SLOPED A MIN. 1/16" - 1/2" TO FLOOR DRAINS - TO "CENTER", IF NO FLOOR DRAINS.
 - L. FIXED EQUIPMENT IS SHOWN ON THIS PLAN FOR COORDINATION. SEE SHEETS A139-A133 FOR ALL EQUIPMENT NOTES.
 - M. SEE A500 FOR TYPICAL HEAD FLASHING AND THROUGH-WALL FLASHING ISOMETRIC DETAILS.
 - N. GEN. CONTRACTOR TO PROVIDE CONC. EQUIP. PADS/CURBS AS REQUIRED FOR MECHANICAL EQUIP. - VERIFY SIZE/PROFILE/LOCATION WITH MECHANICAL.

- LEGEND:**
- (A) SYMBOL INDICATES WALL TYPE - SEE SHEET A500 FOR WALL TYPE DETAILS
 - (A) SYMBOL INDICATES WINDOW TYPE. SEE SHEET A500 FOR WINDOW FRAME ELEVATIONS.
 - (A) SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET
 - 1 HOUR WALL
 - 2 HOUR WALL
 - DENOTES SYSTEM FURNITURE BY OWNER
 - DENOTES SYSTEM FURNITURE DOORS BY OWNER

- KEY NOTES PLAN**
1. MODIFY WALL THICKNESS AS REQUIRED TO MATCH ADJACENT WALLS
 2. NEW CONC. SLAB FOR NEW PLUMBING CONNECTION. VERIFY EXACT LOCATION W/ PLUMBING. PATCH FLOOR WITH 4" CONC. AND #4 REBAR DOWELED INTO EXISTING SLAB 2'-0" O.C. MATCH ADJACENT EXISTING FLOOR FINISH.
 3. DRINKING FOUNTAIN
 4. NOT USED
 5. 12" X 12" LOCKERS
 6. NEW PLUMBING CHASE FOR NEW WELL PIPING - SEE PLUMBING
 7. FOLDING ACCORDIAN FIRE DOOR
 8. UPPER CASE WORK ONLY
 9. 4" CONCRETE HOUSE KEEPING PADS. VERIFY SIZE AND LOCATION WITH MEP
 10. CONCRETE INFILL FOR UNDERSLAB ELECTRICAL WORK - SEE ELECTRICAL.
 11. NEW ALUMINUM SUN SHADE
 12. EXISTING ROOF ACCESS LADDER
 13. METAL RAILING TO MATCH ADJACENT EXISTING RAILING
 14. FOLDING GLASS PANEL DOOR W/ INTEGRAL SWING DOOR
 15. PLAM CASEWORK - SEE ELEV. A210
 16. PUSH PLATE FOR DOOR AUTO OPERATOR
 17. SEMI RECESSED FIRE EXTINGUISHER CABINET
 18. ADD MOP AND BROOM HOLDERS TO WALL
 19. MECH. DIFFUSER. VERIFY LOCATION WITH MECH
 20. VERIFY HEIGHT OF SILL (2'-6"), MATCH EXISTING. SOLID SURFACE SILL AT TOP OF WALL
 21. CHASE FOR MECHANICAL PIPING. VERIFY EXACT LOCATION AND SIZE WITH MECHANICAL.



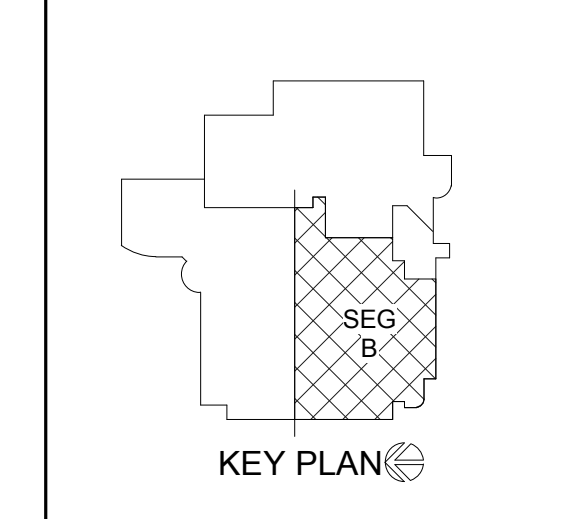
HSR ASSOCIATES INC.
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Consultant:

WESTERN TECHNICAL COLLEGE
ARC & WELCOME CENTER PHASE 2 REMODEL
 Project Location: 400 N. 7TH STREET
 LA CROSSE, WI 54601
 Project Title: **SECOND FLOOR REMODELED PLAN - SEG B**

Project Number: **18047**
 Project Date: **2-12-19**
 Drawn By: **TBS/SRW**

Key Plan:



Revisions:

No.	Description	Date
A1	ADDENDUM #1	02/22/19
A6	ADDENDUM #6	03/12/19

Graphic Scale:
 0' 2' 4' 8' 12'
 Last Update:
3/12/2019 2:31:12 PM

1 SECOND FLOOR REMODELED PLAN - SEG B
 1/8" = 1'-0"

A103R1



Consultant:

DOOR NO.	SIZE			DOOR		GLASS TYPE	U-CUT OR LOUVER	FRAME			FIRE LABEL	HDWR GROUP	SIGNAGE	REMARKS
	W	H	T	MAT'L	DOOR TYPE			MAT'L	FRAME ELEV	DEPTH				
101	6'-0"	7'-0"	1 3/4"	SCWD	C	-	-	HM	AA	5 7/8"	-	-	-	4.9
102	3'-0"	7'-0"	1 3/4"	ALUM	E	GLT-13	-	ALUM	GA602	4 1/2"	-	-	-	3
103	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	GG	5 7/8"	-	-	-	1.9
103A	3'-0"	7'-0"	1 3/4"	SCWD	B	-	-	ALUM	AA	4 1/2"	-	-	-	7
104	16'-9"	10'-4"	1'-2"	STEEL	-	-	-	STEEL	-	-	60 Minute Fire Rating	-	-	5
107	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-4	-	ALUM	AA	4 1/2"	-	-	-	1.9
108	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	HM	GG	5 7/8"	-	-	-	1.9,10
109	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	HM	GG	5 7/8"	-	-	-	5
110	6'-11"	10'-0"	1'-2"	ALUM	Q.H. COILING	-	-	ALUM	-	-	SEE SPEC 08 33 00	-	-	1.2
111	3'-0"	7'-0"	1 3/4"	ALUM	E	GLT-13	-	ALUM	GA602	4 1/2"	-	-	-	2
112	3'-0"	7'-0"	1 3/4"	ALUM	E	GLT-13	-	ALUM	GA602	4 1/2"	-	-	-	2
112C	3'-0"	7'-0"	1 3/4"	ALUM	E	GLT-4	-	ALUM	GA602	4 1/2"	-	-	-	11
112D	3'-0"	7'-0"	1 3/4"	ALUM	E	GLT-4	-	ALUM	GA602	4 1/2"	-	-	-	11
112E	14'-5"	10'-0"	2"	STEEL	Q.H. COILING	-	-	STEEL	-	-	45 MIN	-	-	6
112F	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	9
113	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	9
113A	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	9
113B	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	9
113C	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	9
113D	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	9
113E	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	9
113F	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	9
113G	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	9
113H	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	9
113I	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	9
113J	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	9
113K	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	9
113L	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	9
113M	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	9
113N	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	9
113O	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	9
113P	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	9
113Q	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	9
113R	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	9
113S	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	9
113T	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	9
113U	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	9
113V	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	9
113W	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	9
113X	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	9
113Y	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	9
113Z	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	9
114	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
114A	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
114B	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
114C	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
114D	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
114E	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
114F	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
114G	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
114H	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
114I	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
114J	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
114K	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
114L	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
114M	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
114N	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
114O	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
114P	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
114Q	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
114R	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
114S	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
114T	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
114U	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
114V	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
114W	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
114X	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
114Y	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
114Z	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
115	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
115A	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
115B	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
115C	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
115D	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
115E	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
115F	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
115G	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
115H	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
115I	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
115J	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
115K	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
115L	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
115M	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
115N	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
115O	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
115P	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
115Q	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
115R	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
115S	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
115T	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
115U	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
115V	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
115W	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
115X	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
115Y	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
115Z	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
116	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
116A	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
116B	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
116C	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
116D	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
116E	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
116F	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
116G	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
116H	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
116I	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
116J	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
116K	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
116L	3'-0"	7'-0"	1 3/4"	SCWD	A	-	-	ALUM	AA	4 1/2"	-	-	-	11
116														



Consultant:

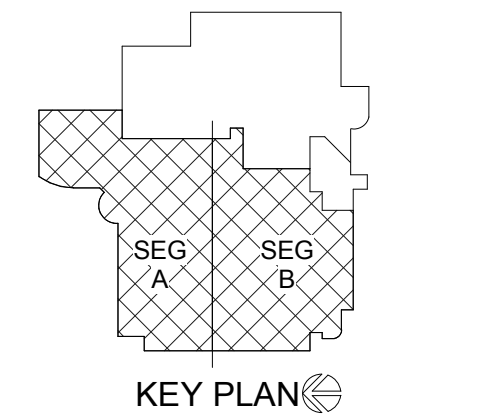
Project Title: **WESTERN TECHNICAL COLLEGE
ARC & WELCOME CENTER PHASE 2 REMODEL**
Project Location: 400 N. 7TH STREET
LA CROSSE, WI 54601
Sheet Title: **OVERALL SECOND FLOOR FINISH PLAN**

HSR Project Number: **18047**

Project Date: **2-12-19**

Drawn By: **K.VEERKAMP**

Key Plan:



No.	Description	Date
A1	ADDENDUM #1	02/22/19
A6	ADDENDUM #6	03/12/19

Graphic Scale:
0' 2' 4' 8' 12'

Last Update:
3/12/2019 1:55:50 PM

ID104R1

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 FOR MATERIAL FINISH SPECIFICATIONS, ANNOTATIONS, AND ADDITIONAL INFORMATION.
- D TOILET ROOM WALL AND FLOOR GROUT LINES SHALL ALIGN TO CONTINUE PATTERN THROUGHOUT. SEE A211 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.

FINISH KEY PLAN:

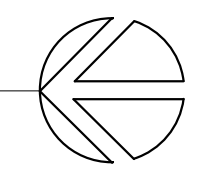
- SEE ROOM FINISH REMARKS
- WALL BASE
- PNT-X- ACCENT PAINT

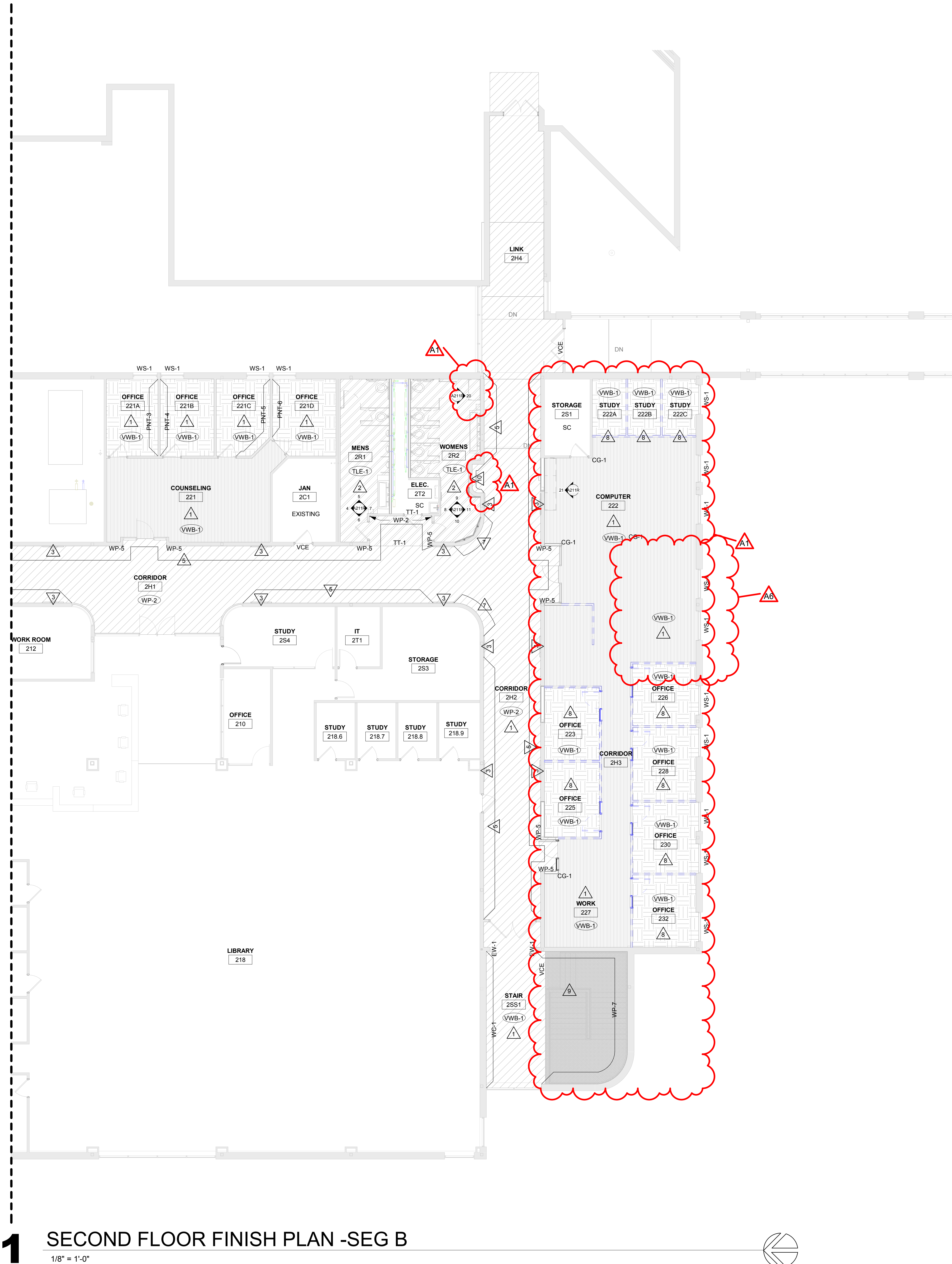
FINISH LEGEND:

- TLE-1
- TLE-2
- TLE-3
- LVT-1
- LVT-2
- LVT-3
- RS-1
- CPT-1
- CPT-2
- WCPT-1



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





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 FOR MATERIAL FINISH SPECIFICATIONS, ANNOTATIONS, AND ADDITIONAL INFORMATION.

D TOILET ROOM WALL AND FLOOR GROUT LINES SHALL ALIGN TO CONTINUE PATTERN THROUGHOUT. SEE A211 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.

FINISH KEY PLAN:

SEE ROOM FINISH REMARKS

XXX WALL BASE

PNT-X ACCENT PAINT

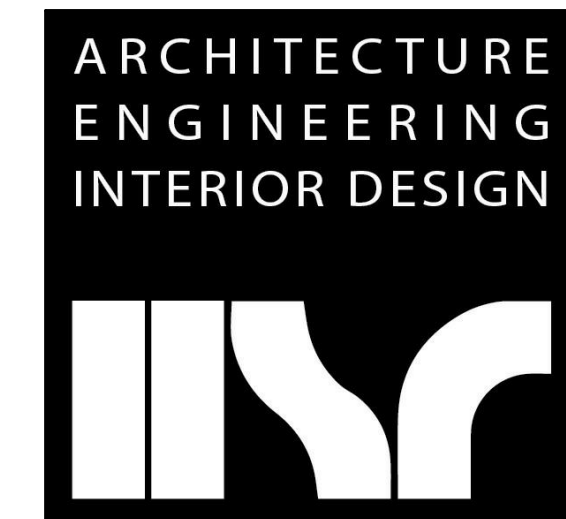
FINISH LEGEND:

TLE-1	LVT-1	CPT-1
TLE-2	LVT-2	CPT-2
TLE-3	LVT-3	WCPT-1
	RS-1	

ROOM FINISH REMARKS

- 1 PAINT ALL WALLS PNT-1. ACCENT AS INDICATED ON PLANS
- 2 ALL WALLS TO BE FULLY TILED. SEE A211 FOR RESTROOM ELEVATIONS AND MATERIAL CALLOUTS
- 3 WRAP COLUMNS WITH TLE-3 AND PAINT GYP ELEMENT PNT-2. SEE ELEVATIONS 1A211 AND 2A211
- 4 FLOORING TO CARRY UNDER CASEWORK
- 5 APPLY WP-1 3" WITH WP-2 BASE TRIM. WP-4 TOP CAP AND WP-3 VERTICAL MOLDING. SEE 1A211 AND 2A211 FOR TYP. INSTALL
- 6 PAINT ALL WALLS EPOXY PNT-1
- 7 EXISTING BULLNOSE TO BE REMOVED AND REINSTALLED TO MATCH ADJ. WAINSCOTING TRIM HEIGHT. SEE ELEVATIONS 1A211 AND 2A211
- 8 VERIFY WITH OWNER THE DEMOUNTABLE WALL LOCATIONS TO DETERMINE FLOORING CHANGE LOCATIONS
- 9 REPAINT METAL RAILING PNT-7 AND REPLACE WOOD TOP HANDRAIL WITH NEW WOOD STAIN SELECTED BY A/E
- 10 DRINKING FOUNTAIN ALCOVE TO BE FULLY TILED W/ TLE-4 APPLIED ABOVE 4" WP-2 BASE

1 SECOND FLOOR FINISH PLAN -SEG B
1/8" = 1'-0"



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Consultant:

**WESTERN TECHNICAL COLLEGE
ARC & WELCOME CENTER PHASE 2 REMODEL**

Project Title: WESTERN TECHNICAL COLLEGE
ARC & WELCOME CENTER PHASE 2 REMODEL

Project Location: 400 N. 7TH STREET
LA CROSSE, WI 54601

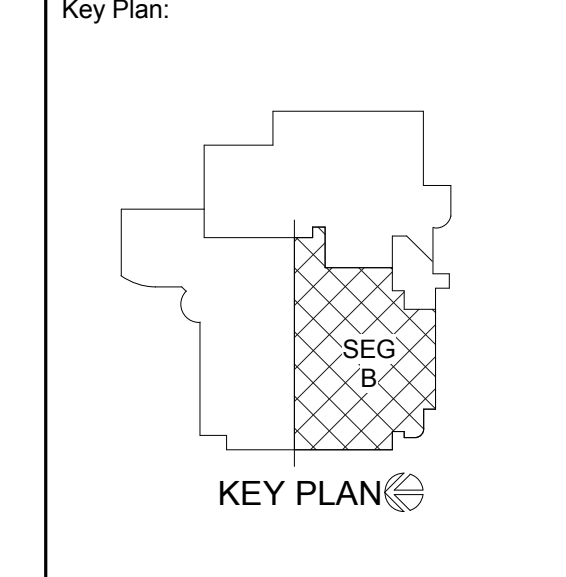
Sheet Title: SECOND FLOOR FINISH PLAN-SEG B

Project Number: 18047

Project Date: 2-12-19

Drawn By: K.VEERKAMP

Key Plan:



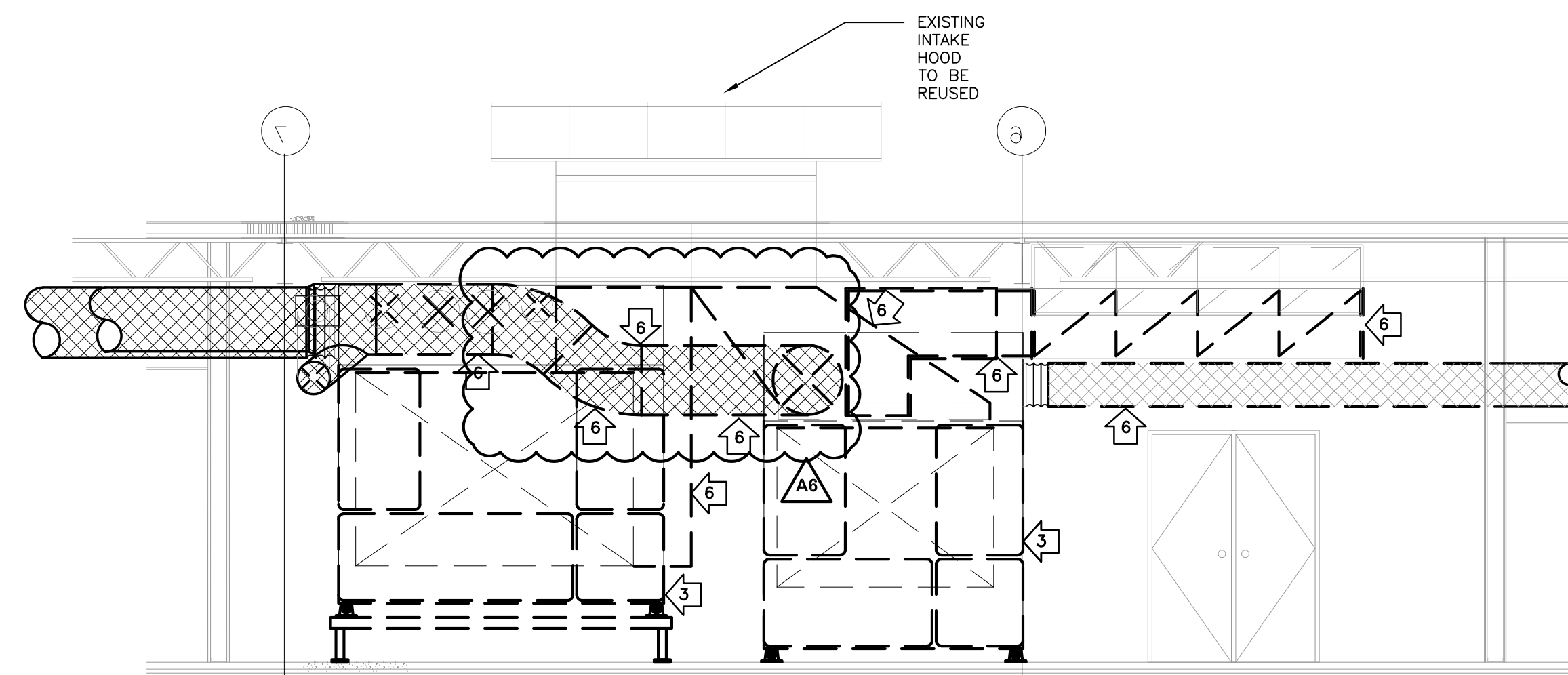
Revisions:

No.	Description	Date
A1	ADDENDUM #1	02/22/19
A6	ADDENDUM #6	03/12/19

Graphic Scale:
0' 2' 4' 8' 12'

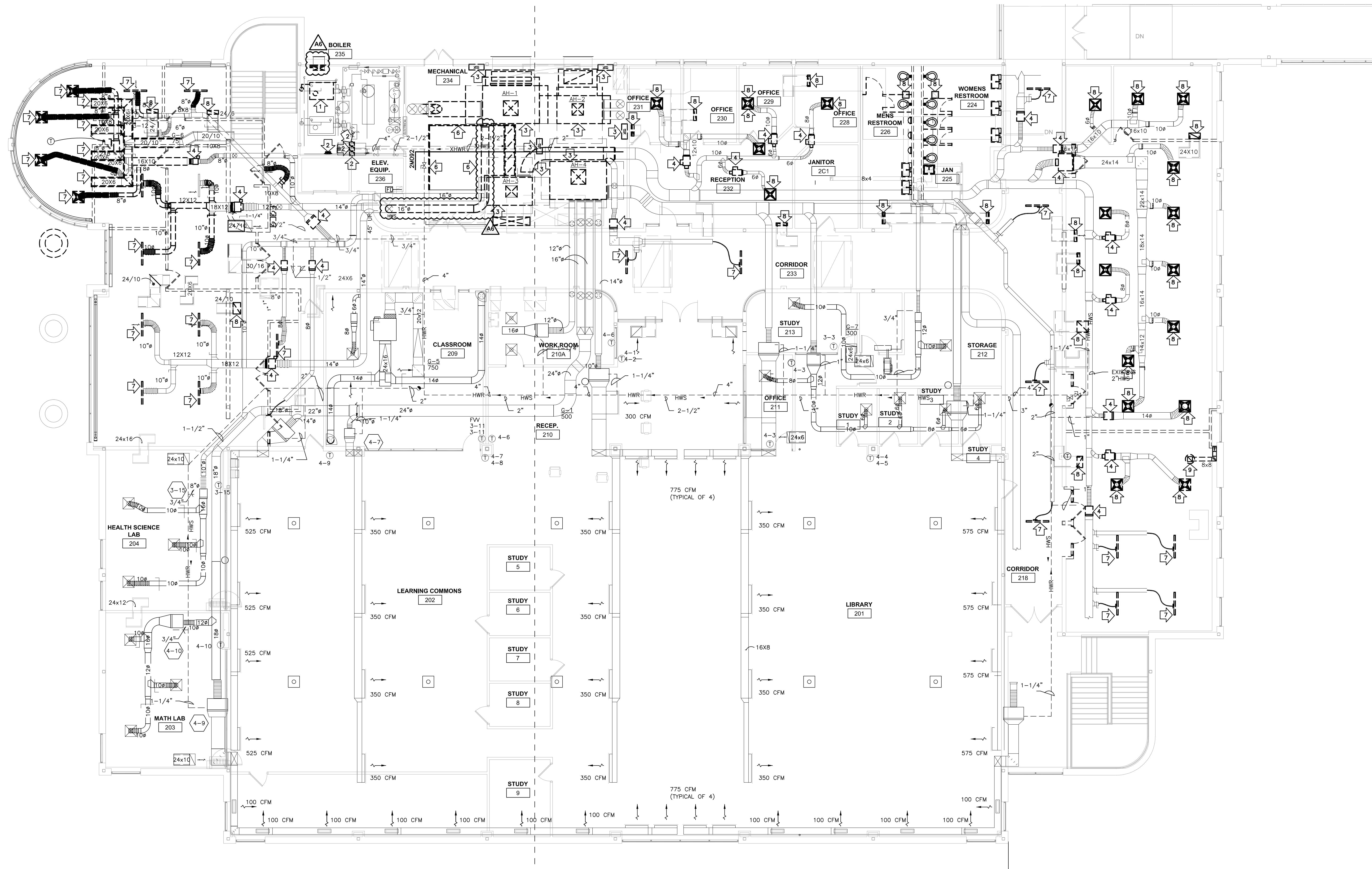
Last Update:
3/12/2019 1:55:52 PM

ID106R1



2 EXISTING MECHANICAL ROOM SECTION REMOVAL

- CONSTRUCTION NOTES: REMOVAL
1. REMOVE EXISTING BOILER, CIRCULATING PUMP AND VENTING.
 2. REMOVE EXISTING INLINE HEATING PUMP AND ASSOCIATED WALL MOUNTED VFD REMOVED BY ELECTRICAL TRADE.
 3. REMOVE EXISTING SELF-CONTAINED UNIT, ASSOCIATED PIPING AND VALVES ASSOCIATED VFD REMOVED BY ELECTRICAL TRADE.
 4. REMOVE EXISTING VAV BOX AND ASSOCIATED THERMOSTAT.
 5. REMOVE EXISTING THERMOSTAT.
 6. REMOVE DUCTWORK SHOWN HEAVY AND DASHED.
 7. REMOVE EXISTING LINEAR SLOT/DIFFUSER AND ASSOCIATED FLEX DUCT.
 8. REMOVE EXISTING GRILLE/DIFFUSER CLEAN AND SALVAGE FOR REUSE. SALVAGE EGG-CRATE TRANSFERS AND PLO PLATE DIFFUSERS.
 9. REMOVE EXISTING ROOF EXHAUSTER AND ASSOCIATED EXHAUST DUCT. CAP CURB WEATHERTIGHT.
 10. REMOVE EXISTING COMBUSTION AIR DUCT AND MOTORIZED DAMPER. INSTALL INSULATED SHEETMETAL PANEL AND SEAL WEATHERTIGHT.



1 SECOND FLOOR HVAC REMOVAL PLAN
1/8" = 1'-0"

Project Title: WESTERN TECHNICAL COLLEGE
ARC PHASE 2 REMODEL

Project Location: 400 N. 7TH STREET
LA CROSSE, WI 54601

HSR Project Number: 18047
Project Date: FEBRUARY 2019
Drawn By: kkl

Key Plan:

No.	Description	Date
A6	ADDENDUM #6	3/12/2019

Graphic Scale: VARIES
Last Update: 2/5/2019

M092R



WESTERN TECHNICAL COLLEGE
ARC PHASE 2 REMODEL

Project Location: 400 N. 7TH STREET
LA CROSSE, WI 54601

Sheet Title:

HSR Project Number: 18047

Project Date: FEBRUARY 2019

Drawn By: kkl

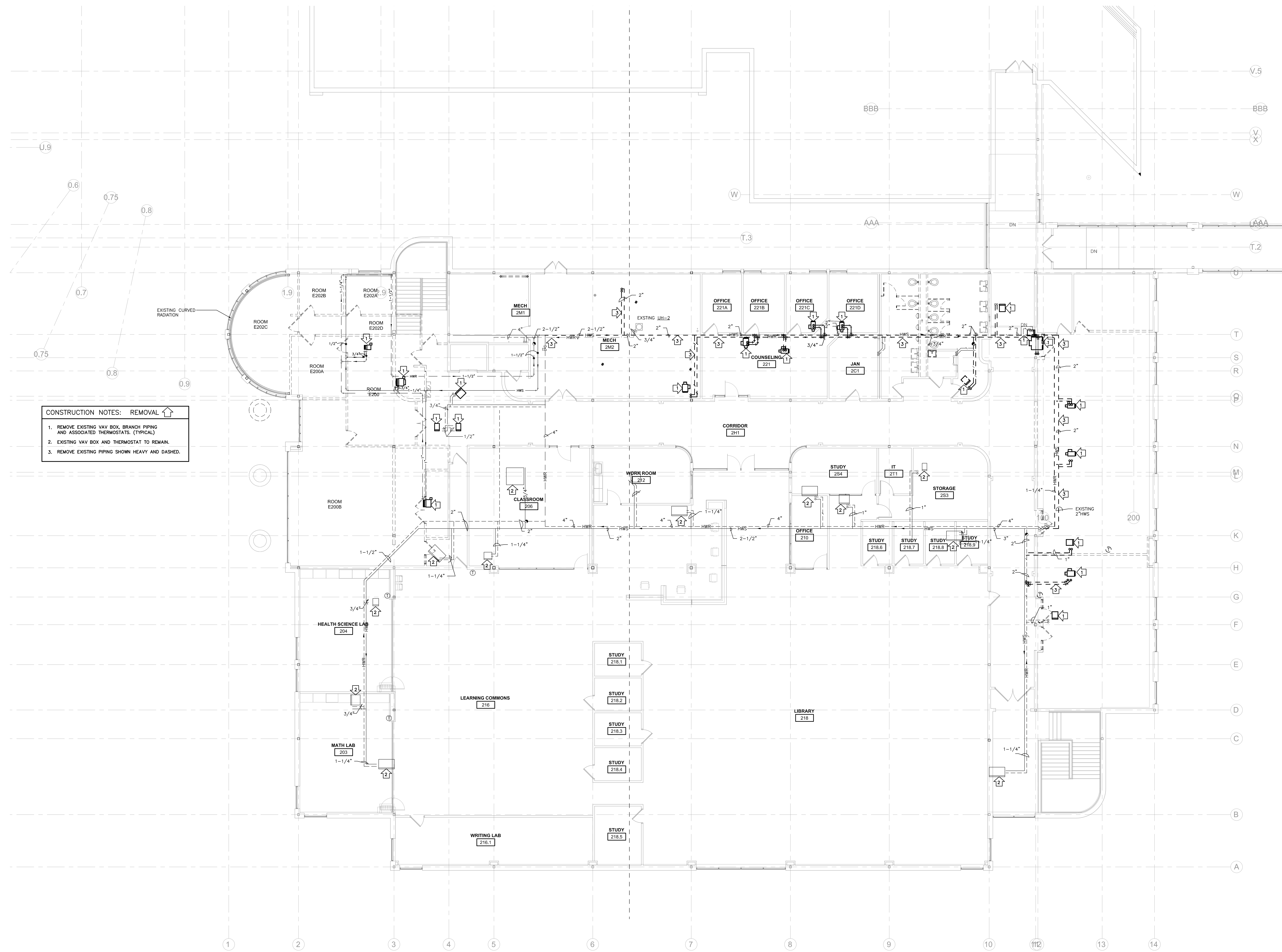
Key Plan:

No.	Description	Date
A6	ADDENDUM #6	3/12/2019

Graphic Scale: VARIES

Last Update: 3/10/2019

M093R



- CONSTRUCTION NOTES: REMOVAL**
1. REMOVE EXISTING VAV BOX, BRANCH PIPING AND ASSOCIATED THERMOSTATS. (TYPICAL)
 2. EXISTING VAV BOX AND THERMOSTAT TO REMAIN.
 3. REMOVE EXISTING PIPING SHOWN HEAVY AND DASHED.

1 SECOND FLOOR HVAC PIPING REMOVAL PLAN
1/8" = 1'-0"



WESTERN TECHNICAL COLLEGE
ARC PHASE 2 REMODEL

Project Location: 400 N. 7TH STREET
LA CROSSE, WI 54601

FIRST FLOOR PIPING REMODEL PLAN

Project Title:
HSR Project Number: 18047
Project Date: FEBRUARY 2019
Drawn By: kkl
Key Plan:

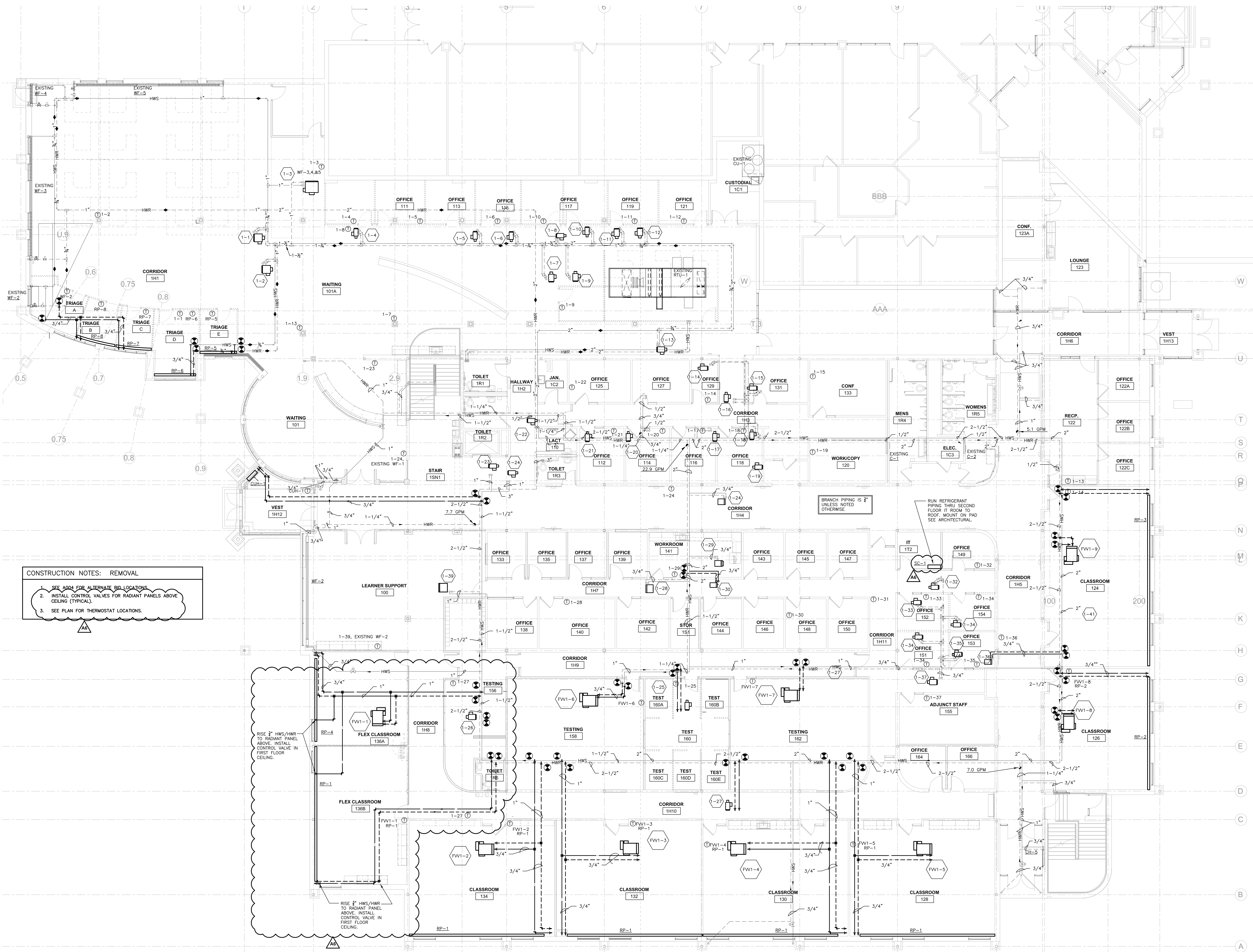
Revisions:

No.	Description	Date
A6	ADDENDUM #6	3/12/2019

Graphic Scale: VARIES

Last Update: 3/1/2019

Sheet Title:



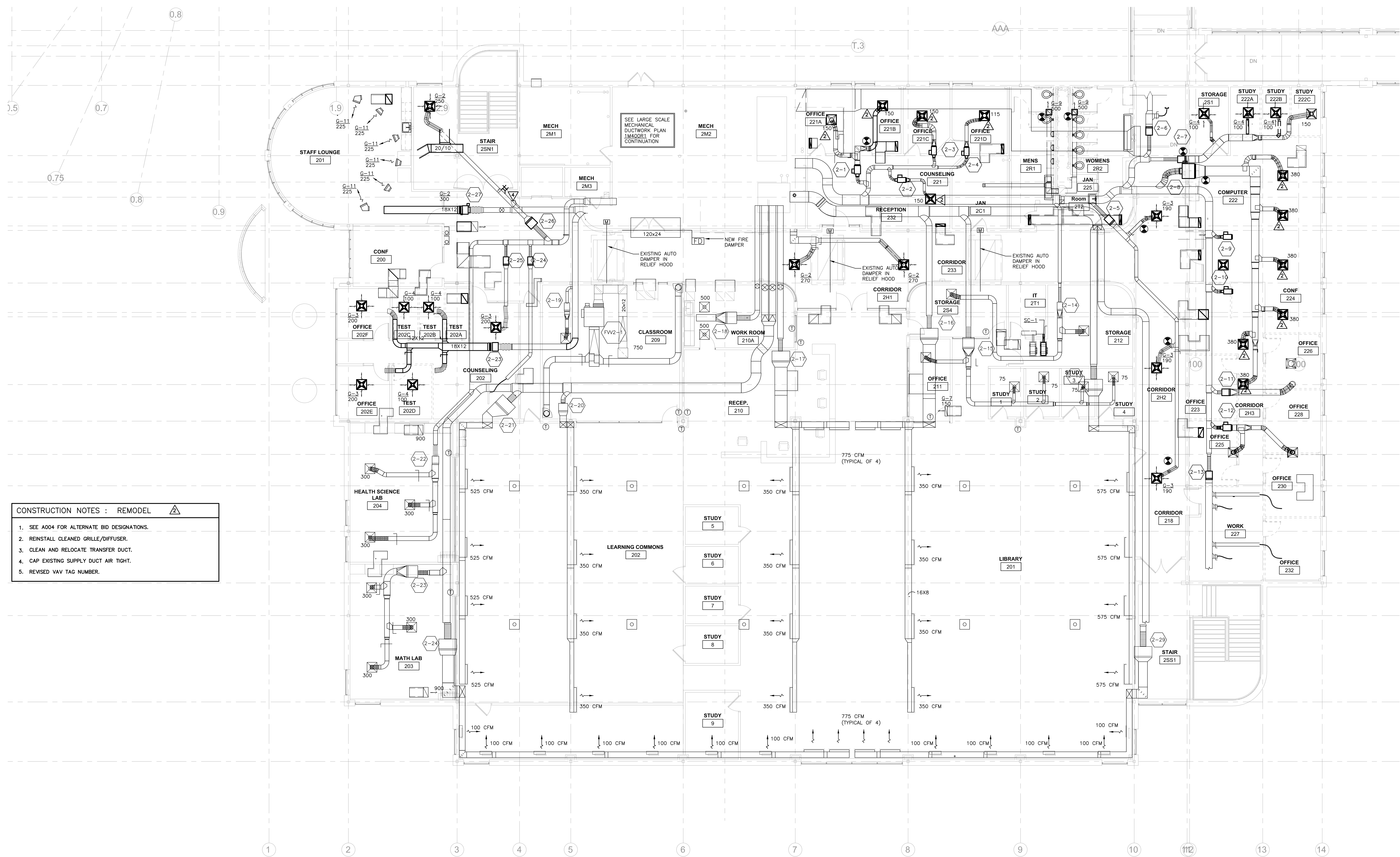
CONSTRUCTION NOTES: REMOVAL

- SEE A004 FOR ALTERNATE BID LOCATIONS
- INSTALL CONTROL VALVES FOR RADIANT PANELS ABOVE CEILING (TYPICAL).
- SEE PLAN FOR THERMOSTAT LOCATIONS.

1 FIRST FLOOR HVAC PIPING REMODEL PLAN
1/8" = 1'-0"



Consultant:



CONSTRUCTION NOTES : REMODEL

1. SEE A004 FOR ALTERNATE BID DESIGNATIONS.
2. REINSTALL CLEANED GRILLE/DIFFUSER.
3. CLEAN AND RELOCATE TRANSFER DUCT.
4. CAP EXISTING SUPPLY DUCT AIR TIGHT.
5. REVISED VAV TAG NUMBER.

**WESTERN TECHNICAL COLLEGE
ARC PHASE 2 REMODEL**

Project Location: 400 N. 7TH STREET
LA CROSSE, WI 54601

SECOND FLOOR HVAC REMODEL PLAN

Project Title:
Project Number: 18047
Project Date: FEBRUARY 2019
Drawn By: kkl
Key Plan:

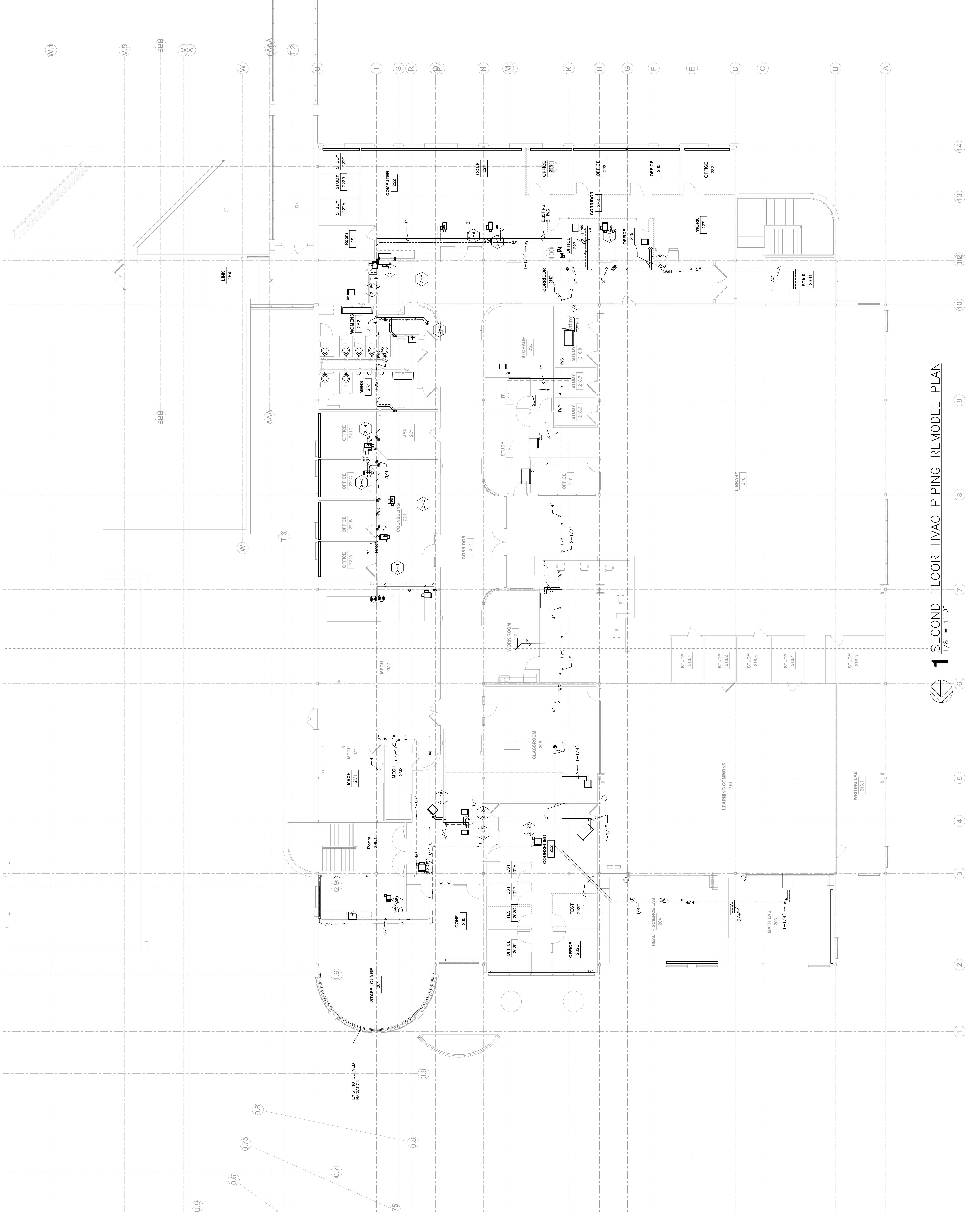
Revisions:

No.	Description	Date
A6	ADDENDUM #6	3/12/2019

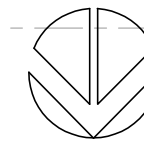
Graphic Scale: VARIES
Last Update: 2/14/2019

1 SECOND FLOOR HVAC REMODEL PLAN
1/8" = 1'-0"

M102

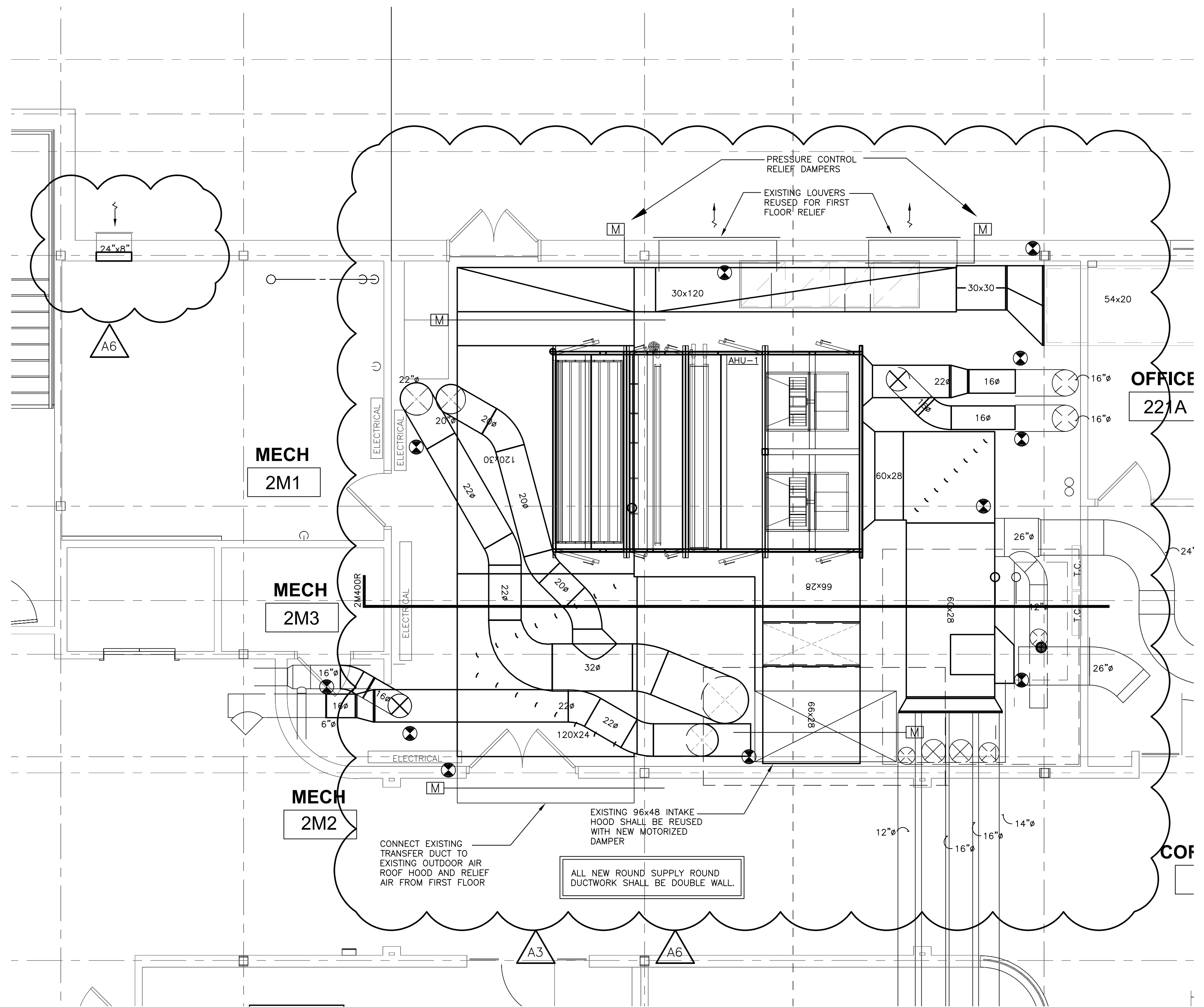


1 SECOND FLOOR HVAC PIPING REMODEL PLAN

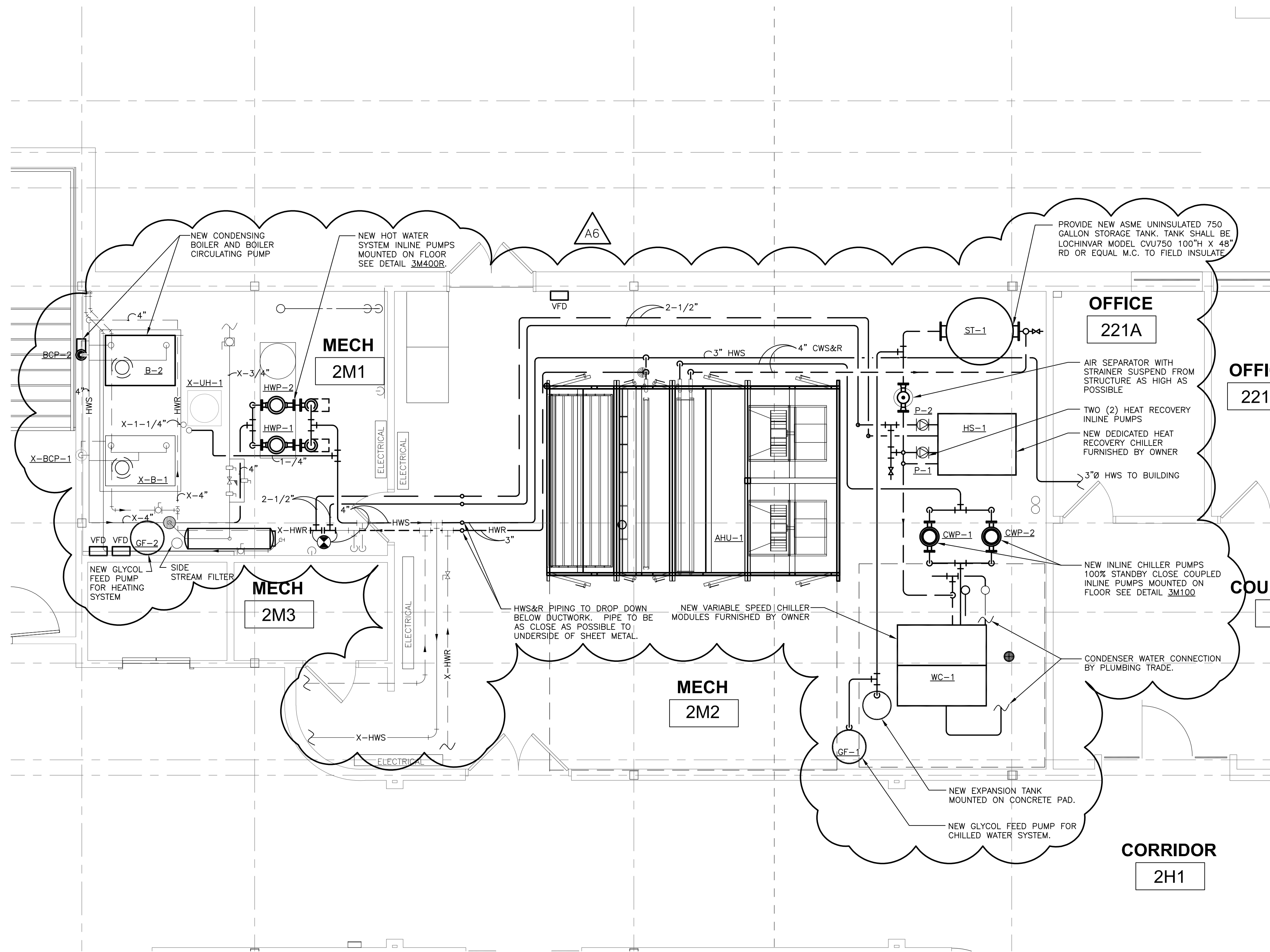


1/8" = 1'-0"

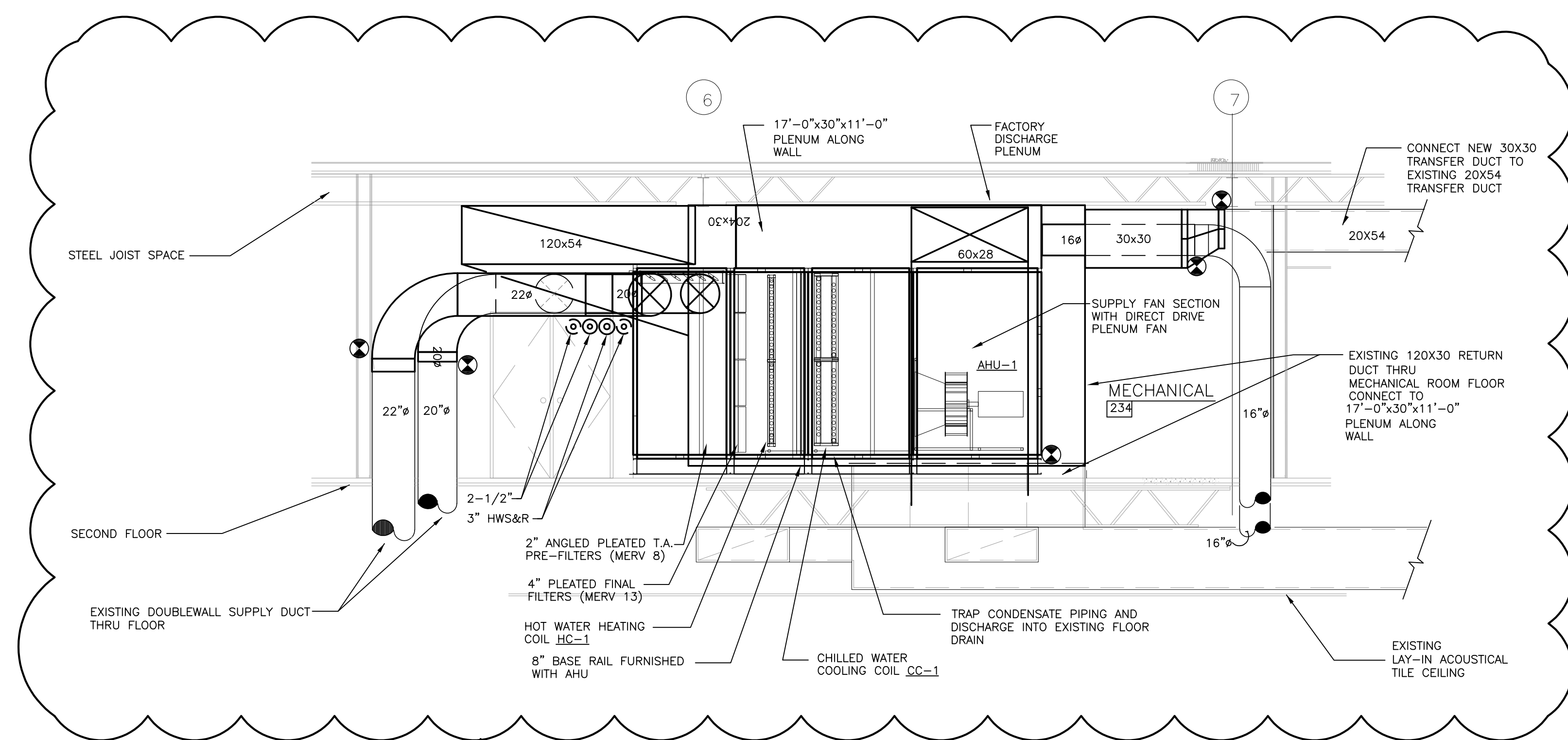
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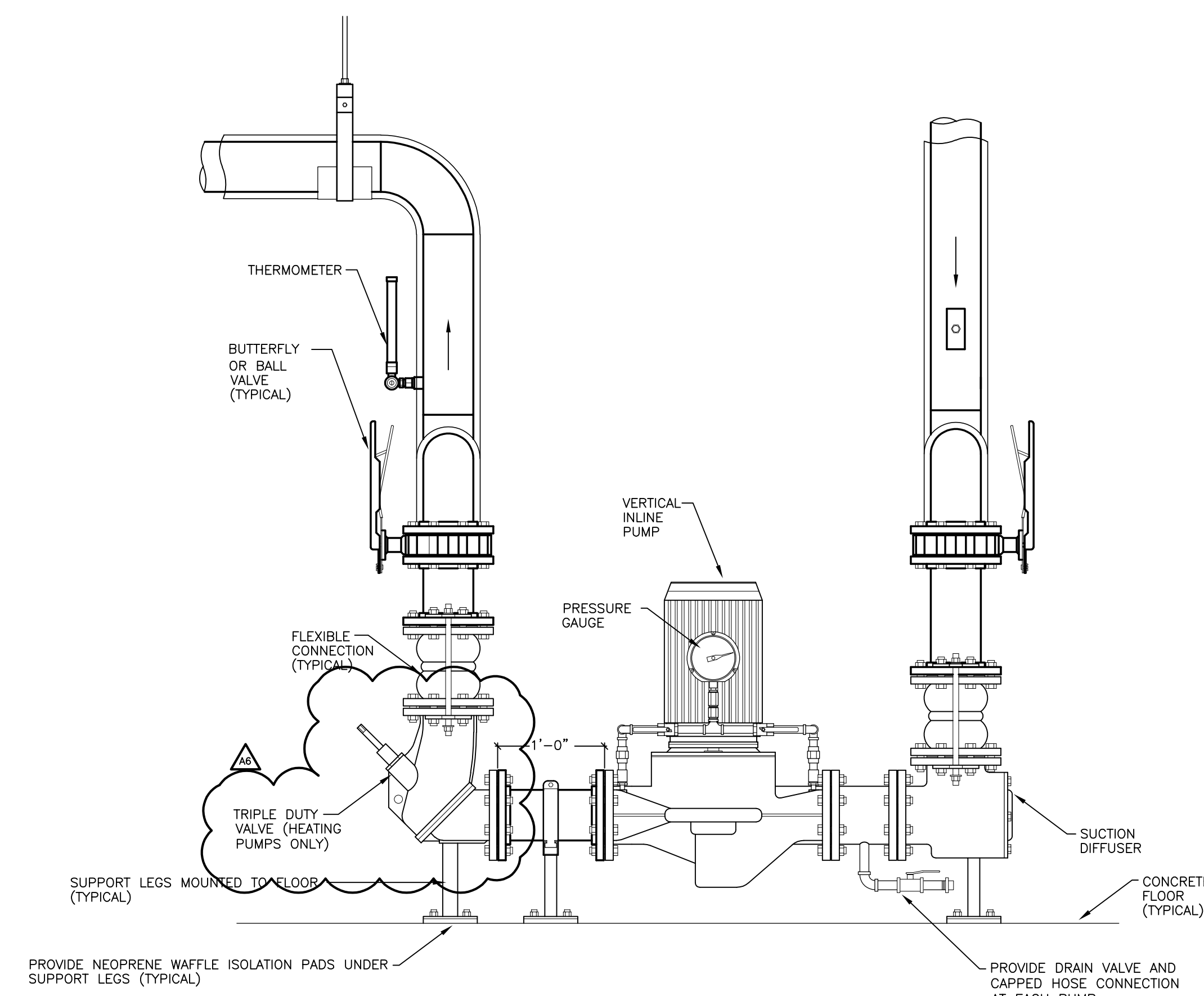
1 LARGE SCALE DUCTWORK MECHANICAL ROOM PLAN
1/4"=1'-0"



4 LARGE SCALE PIPING MECHANICAL ROOM PLAN
1/4"=1'-0"



2 SECTION AT AIR HANDLING UNIT AHU-1
1/4"=1'-0"



3 INLINE PUMP DETAIL
N.T.S.

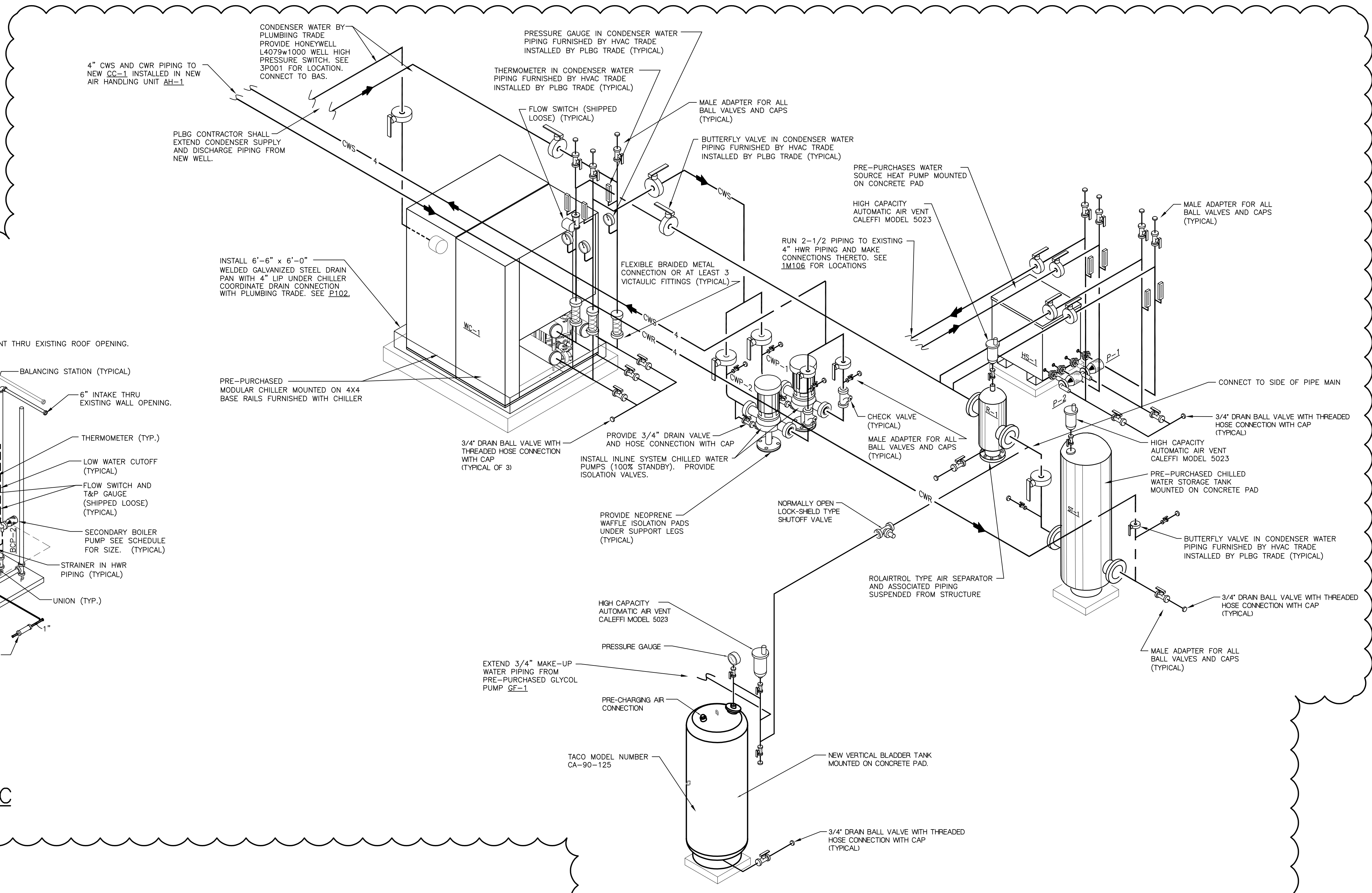


HSR Project Number:	18047
Project Date:	FEBRUARY 2019
Drawn By:	kkl
Key Plan:	

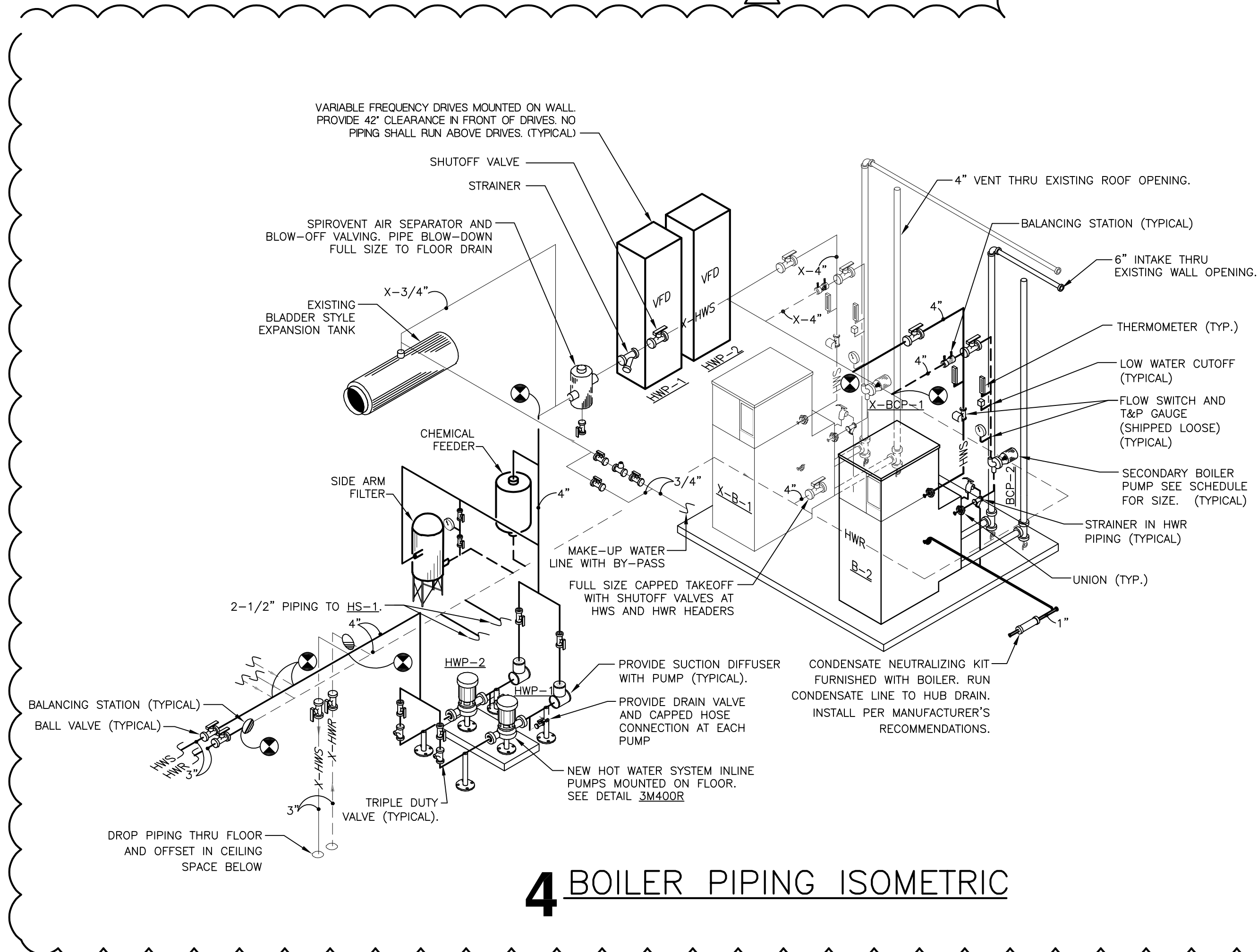
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	A6	ADDENDUM #6	3/12/2019

Graphic Scale: VARIES

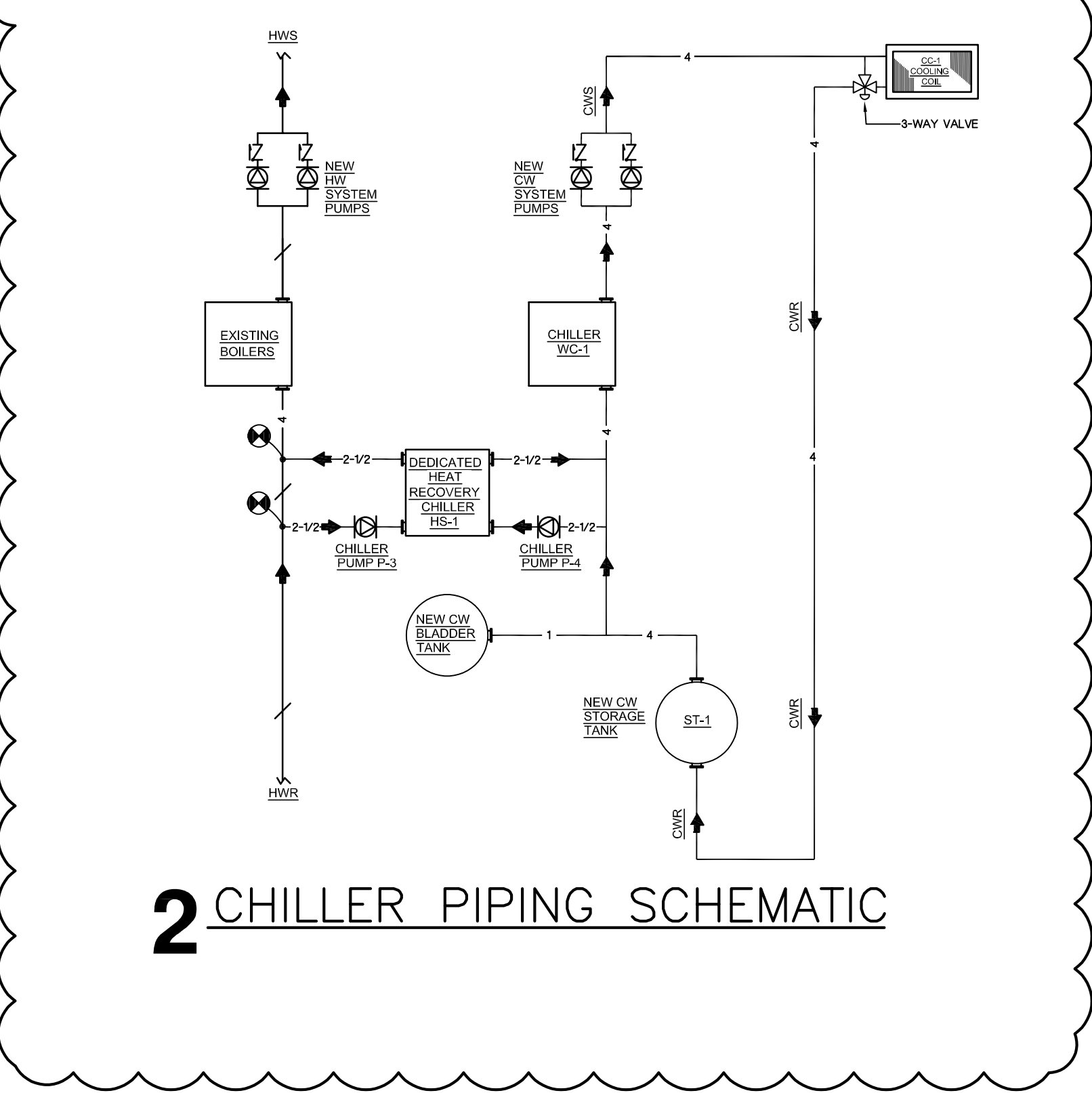
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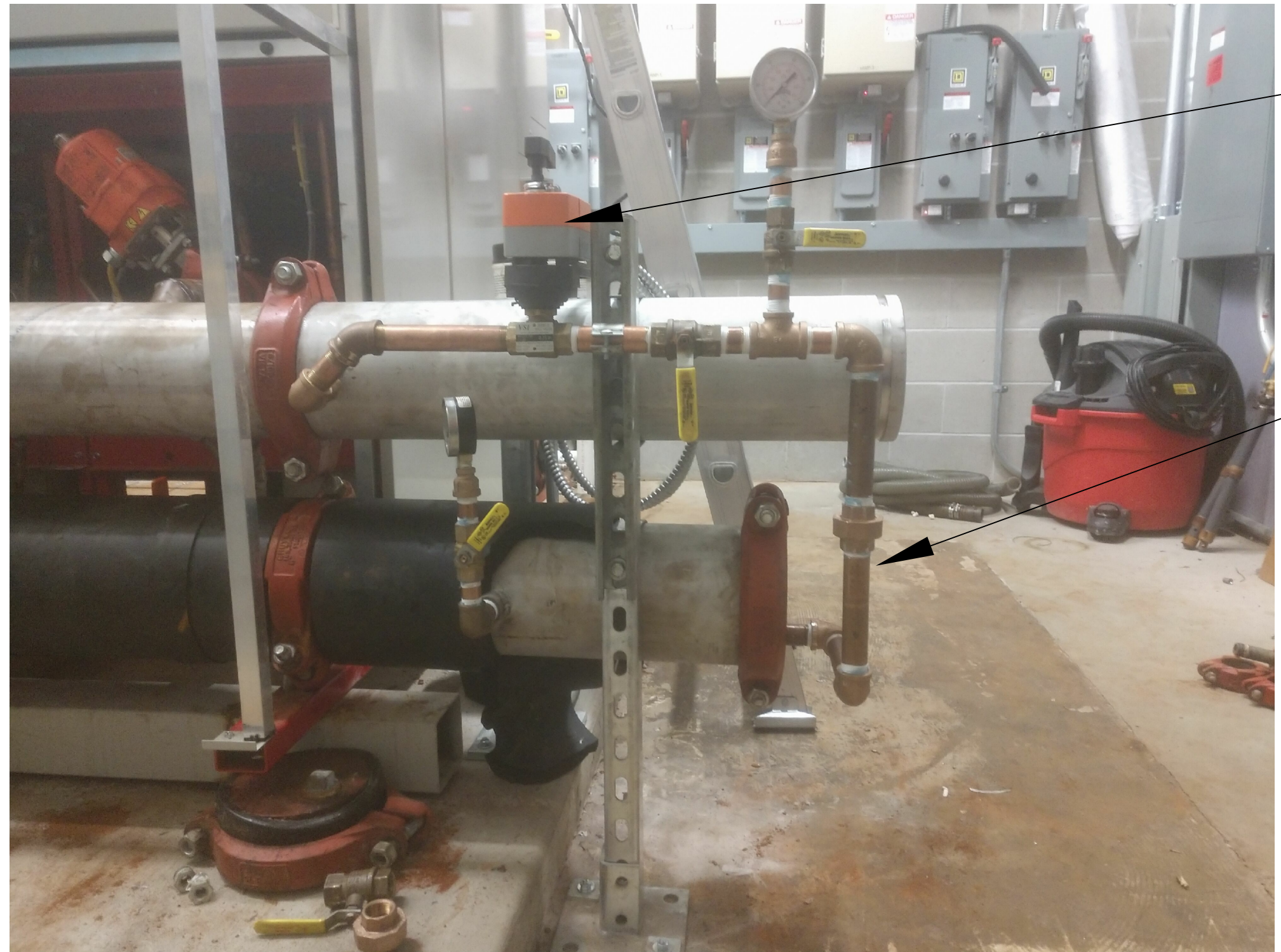
1 CHILLER PIPING ISOMETRIC



4 BOILER PIPING ISOMETRIC



2 CHILLER PIPING SCHEMATIC



3 CHILLER PIPING ISOMETRIC

INSTALL 1" BONOMI STAINLESS STEEL BALL VALVE WITH 60° BALL AND NPT ENDS WITH BELIMO NF824 24V MODULATING SPRING RETURN ELECTRIC ACTUATOR

INSTALL 1" BYPASS ON CHILLER HEADER AND PRESSURE GAUGES AS SPECIFIED, CONTROL BY BAS.

AIR HANDLING UNIT (OWNER PRE-PURCHASED)

UNIT NO.	AREA SERVED	UNIT MODEL	CASING CONST.		COMBINATION FILTER				SUPPLY FAN				COL REF. NO.		REMARKS			
			SINGLE WALL	DOUBLE WALL	PERCENT EFFICIENCY PRE FILTERS	MAX PRE FILTER APD	PERCENT EFFICIENCY FILTER	MAX FILTER APD	FAN TYPE	FAN SIZE (CLASS)	VFD	C F M	MN O.A. CFM	TOTAL STATIC PRESS.		BLOWER MOTOR HP EACH	HEATING	COOLING
AH-1	1ST AND 2ND FLOOR	CAH080GDC	-	YES	MERV 8	0.61	MERV 13	0.61	PLENUM	33(2)	YES	38000	5618	6.04	60 (460/3)	HC-1	CC-1	1,2,3

REMARKS:
 1. BASED ON PRODUCT BY DAIKIN VISION.
 2. FILTER APD IS MID-LIFE.
 3. FANS SHALL BE DIRECT-DRIVE PLENUM TYPE WITH FAN MOTORS HAVING SEPARATE VFDs INSTALLED ON WALL. VFD MFRG SHALL PROVIDE FUSES AND SGR WITH VFDs.

HOT WATER COILS (OWNER PRE-PURCHASED)

COIL REF. NO.	COIL SIZE H x W	TYPE COL	NO. OF ROWS	MAX COL WPD	G. P. M.	ENT. HW. TEMP.	ENT. AIR TEMP.	MAX. AIR TEMP.	TOTAL MBH	FACE VEL. (FPM)	AR PRESS. DROP	REMARKS REF. NO.	
HC-1	2-42X20	5WH0602B	2-ROW	15.6	1001	140	20	34	75.4	949.3	300	0.5	12,3

REMARKS:
 1. SELECTION BASED ON PRODUCT BY DAIKIN
 2. FLUID CONTAINS 35% PROPYLENE GLYCOL
 3. HEATING CFM 21,000

EQUIPMENT WITH IN DASHED LINES HAS BEEN PRE-PURCHASED BY OWNER SITE UNLOADING. COMPLETE INSTALLATION AND START-UP WILL BE THE RESPONSIBILITY OF THE CONTRACTOR BIDDING THESE CONSTRUCTION DOCUMENTS.

CHILLED WATER COILS (OWNER PRE PURCHASED)

COIL REF. NO.	COIL SIZE	TYPE COL	NO. OF ROWS	C.W. TEMP. RISE	ENT. WTR. TEMP. (DB)	ENT. AIR TEMP. (WB)	ENT. AIR TEMP. (DB)	LVG. AIR TEMP. (WB)	LVG. AIR TEMP. (DB)	SENS. MBH	TOTAL MBH	FACE VEL. (FPM)	AR PRESS. DROP	REMARKS REF. NO.	
CC-1	2-42 X 23	5WM1206B	8	10.2	45.0	77.7	64.9	54.5	54.1	961.9	1235.4	530	257.4	0.97	12,3

REMARKS:
 1. SELECTION BASED ON PRODUCT BY DAIKIN
 2. FLUID CONTAINS 35% PROPYLENE GLYCOL
 3. MAX COIL WPD 19.6 FT HD

PUMPS (OWNER PRE-PURCHASED)

PUMP NO.	ROOM LOCATION	SERVES	TYPE		MODEL NO.	GPM	TOTAL HEAD (FEET)	SIZE IMPELLER (INCHES)	MOTOR HP	REMARKS REF. NO.
			IN-LINE	FLOOR MOUNTED						
CWP-1	MECHANICAL 2M2	CW SYSTEM	YES	YES	KV4007	333.0	45.0	STD	7.5 (460/3)	1,2,3,6,7
CWP-2	MECHANICAL 2M2	CW SYSTEM	YES	YES	KV4007	333.0	45.0	STD	7.5 (460/3)	1,2,3,6,7
HWP-1	MECHANICAL 2M1	HW SYSTEM	YES	YES	KV4009	265.0	65.0	STD	7.5 (208/3)	1,2,3,6
HWP-2	MECHANICAL 2M1	HW SYSTEM	YES	YES	KV4009	265.0	65.0	STD	7.5 (208/3)	1,2,3,6
P-1	MECHANICAL 2M2	HS-1	YES	-	MAGNA3 40-80F	45.9	15.0	STD	262W (208/1)	1,3
P-2	MECHANICAL 2M2	HS-1	YES	-	MAGNA3 40-80F	42.3	12.0	STD	262W (208/1)	1,3
GF-1	MECHANICAL 2M2	CW SYSTEM	-	YES	AXIOM SF100	5.0	11.5	STD	0.7A (115/1)	3,4,5
CF-2	MECHANICAL 2M2	HW SYSTEM	-	YES	AXIOM SF100	5.0	11.5	STD	0.7A (115/1)	3,4,5
BCP-1	MECHANICAL 2M1	BOILER	YES	-	UPS 80-160/2	113.6	48.3	STD	3 (208/3)	1,3

REMARKS:
 1. BASED ON PRODUCT BY GRUNDFOS
 2. PUMPS ARE 100% STANDBY OPERATION
 3. FLUID CONTAINS 30% PROPYLENE GLYCOL
 4. BASED ON PRODUCT BY AXIOM INDUSTRIES
 5. PROVIDE PLUG AND CORD FOR POWER AND DISCONNECT
 6. PROVIDE TOSHIBA VFD.
 7. SIZED FOR FUTURE CHILLED WATER COIL IN EXISTING ROOFTOP.

BOILERS (OWNER PRE-PURCHASED)

UNIT NUMBER	SERVES	SERIES	MODEL NO.	BOILER TYPE		FUEL SOURCE	INPUT MBH	OUTPUT MBH	BLOWER HP	INTERNAL PUMP HP	TOTAL AMPS (VOLTAGE)	THERMAL EFF. 100% FFE	PRESS. RELIEF VALVE	REMARKS REF. NO.
				COND.	NON-COND.									
B-2	H.W. HEATING	EVOLUTION	EVCA-1500	YES	-	NAT. GAS	1,500	1,300	1 1/2	3/4	19.3 (208/3)	86.5%	50 #	1,2,3
B-1	H.W. HEATING	EVOLUTION	EVA-1500	YES	-	NAT. GAS	1,500	1,300	1 1/2	3/4	19.3 (480/3)	86.5%	50 #	4

REMARKS:
 1. BASED ON PRODUCT BY THERMAL SOLUTIONS. BOILERS SHALL BE APPROVED BY STATE OF WISCONSIN FOR SEALED COMBUSTION AND BE ASME STAMPED.
 2. PROVIDE INLINE SECONDARY CIRCULATING PUMP BASED ON 20°F TEMPERATURE RISE. SEE PUMP SCHEDULE.
 3. PROVIDE CONDENSATE NEUTRALIZER.
 4. EXISTING BOILER.

WATER CHILLER (OWNER PRE-PURCHASED)

UNIT NO.	NO. OF MODULES & MODEL NO.	MODEL & NO. OF COMPRESSOR / MODULE	COMPRESSOR MOTOR PER COMPRESSOR		CHILLED WATER				CONDENSER DESIGN DATA				REMARKS REF. NO.			
			MCA/MOP	VOLTAGE	CHILLER MIN GPM	EWT. °F	LWT. °F	P.D. (FEET)	CHILLER MIN GPM	EWT. °F	LWT. °F	P.D. (FEET)				
WC-1	2	M53050VCHFAA	50T VARIABLE SPEED SCROLL (2)	98 / 125	460/3	2181	129	56.0	44.0	13.33	97.2	48.6	55	85	6.0	12,3,4,5,6

REMARKS:
 1. CHILLER IS PRE-PURCHASED BY OWNER
 2. PROVIDE TOP REFRIGERANT PIPING CONNECTIONS
 3. CHILLER SHALL HAVE VARIABLE SPEED SCROLL COMPRESSORS WITH 410A REFRIGERANT
 4. PROVIDE STAINLESS STEEL CONDENSER AND EVAPORATOR HEADERS
 5. TOTAL 100 TONS 50 TONS EACH COMPRESSOR
 6. EVAPORATOR CONTAINS 30% PROPYLENE GLYCOL. PROVIDE AND INSTALL DRAIN PAN UNDER CHILLER
 7. SEE 1M500 FOR INSTALLATION.

HEATSTACK - DHRC (OWNER PURCHASED)

TONS	MODEL NO.	NO. OF COMPRESSORS	COMPRESSOR MOTOR		EVAPORATOR			CONDENSER			HEATING/COOLING COP	REMARKS REF. NO.		
			MCA/MOP	VOLTAGE	GPM	EWT. °F	LWT. °F	P.D. (FEET)	GPM	EWT. °F			LWT. °F	P.D. (FEET)
24.5	HSS20XNAB	SCROLL-2	68/100	460/3	45.9	56.0	42.0	5.5	42.3	100	120	9.5	6.5	12,3,4,5

REMARKS:
 1. HEAT RECOVERY UNIT IS PRE-PURCHASED BY OWNER
 2. PROVIDE AND INSTALL DRAIN PAN UNDER HEATSTACK
 3. SEE PUMP SCHEDULE FOR ASSOCIATED CIRCULATORS
 4. SEE 1M500 FOR INSTALLATION

AIR DISTRIBUTION DEVICES

UNIT REF.	FIXTURE TYPE	SIZE	LOCATION	DAMPER	INLET SIZE	MODEL NUMBER	MOUNTING	REMARKS REF. NO.
G-1	SUPPLY	24 X 24	CEILING	RADIAL	12"	SERIES PLO 4-WAY	LAY-IN	1,2,3
G-2	SUPPLY	24 X 24	CEILING	RADIAL	10"	SERIES PLO 4-WAY	LAY-IN	1,2,3
G-3	SUPPLY	24 X 24	CEILING	RADIAL	8"	SERIES PLO 4-WAY	LAY-IN	1,2,3
G-4	SUPPLY	24 X 24	CEILING	RADIAL	6"	SERIES PLO 4-WAY	LAY-IN	1,2,3
G-5	TRANSFER	24 X 24	CEILING	NO	N/A	EGC-5 1/2" EGG CRATE	LAY-IN	1,4
G-6	TRANSFER	24 X 12	CEILING	NO	N/A	EGC-5 1/2" EGG CRATE	LAY-IN	1,4
G-7	TRANSFER	24 X 6	CEILING	NO	N/A	EGC-5 1/2" EGG CRATE	LAY-IN	1,4
G-8	EXHAUST	8 X 8	CEILING	NO	N/A	EGC-5 1/2" EGG CRATE	LAY-IN	1,4
G-9	EXHAUST	12 X 12	CEILING	NO	N/A	EGC-5 1/2" EGG CRATE	LAY-IN	1,4
G-10	SUPPLY	4' X 2-1/2"	CEILING	NO	N/A	EGC-5 1/2" EGG CRATE	LAY-IN	1,4
G-11	SUPPLY	4' X 2-1/2"	BOFFIT	NO	N/A	EGC-5 1/2" EGG CRATE	LAY-IN	1,4
D-1	DISPLACEMENT	24" RADIUS	WALL	NO	14"	TITUS DWV - 14-24X36	WALL	5,6,7

REMARKS:
 1. BASED ON PRODUCT BY KRUEGER
 2. DIFFUSERS SHALL BE STEEL CONSTRUCTION
 3. INCLUDE DIRECTIONAL BLOW PATTERN CONTROL TABS FOR DIFFUSERS SHOWN OTHER THAN 4-WAY THROW
 4. GRILLES SHALL BE ALUMINUM CONSTRUCTION
 5. BASED ON PRODUCT BY TITUS
 6. PROVIDE 1/2" THICK ALUMINUM COVER THAT MATCHES THE DIFFUSER PATTERN
 7. SEE 1110 AND ALL RCP PLANS FOR CEILING HEIGHTS

DATA COOLING UNIT

UNIT NO.	MODEL NO.	TOTAL COOLING BTUH	VOLTAGE	INDOOR UNIT				OUTDOOR UNIT (CU-B)				ELECTRICAL		REFRIG. PPE SIZE	REMARKS REF. NO.				
				CFM	ECM FAN MOTOR	QUANTITY FANS	MCA	MAX SOUND	AR VOLUME	QUANTITY FANS	FAN MOTOR	COMP. TYPE	QUANTITY COMP			REFRIG. TYPE	TOTAL INPUT	MCA	FUSE SIZE
SC-1	PKAATBMA/ECUATBMA4	18,000	208/60/1	370	0.33FLA	1	1.0 A	4.3 dBA	1200	1	0.35 FLA	ROTARY	2	R-410A	1190 W	1.5A	20A	1/4" 1/2"	1,2,3,4,5,6

REMARKS:
 1. BASED ON PRODUCT BY MITSUBISHI (15.3 SEER)
 2. DISCONNECT SWITCH AT OUTDOOR UNIT BY ELECTRICAL TRADE
 3. PROVIDE LOW AMBIENT WIND BAFFLE (WB-PA1)
 4. INCLUDE REMOTE THERMOSTAT
 5. INCLUDE FACTORY PRE-CHARGED REFRIGERANT LINE SET
 6. SEE DETAIL 8MS51 FOR INSTALLATION

CABINET UNIT HEATERS

UNIT TAG	ROOM NO.	INSTALLED MBH	MODEL	FULL DEPTH	RECESS DEPTH	CABINET			REMARKS REF. NO.
						WIDTH	HEIGHT	LENGTH	
CUH-1	VESTIBULE TR	18.04	FFN802	10	10	33	29	-	12,3,4,5,6

REMARKS:
 1. BASED ON PRODUCT BY DAIKIN.
 2. PROVIDE 3/4" HWS/HWR CONNECTIONS.
 3. SEE DETAIL 11501 FOR CONTROL VALVE PIPING.
 4. PROVIDE 2-WAY HOT WATER CONTROL VALVE
 5. MBH BASED ON 180°F EWT AND 20°F TEMPERATURE DROP.
 6. INVERTED FLOW

FANS

UNIT NUMBER	SERVES	FAN TYPE	LOCATION	MODEL NO.	DISCHARGE ARRANG.	CFM	MN CFM	EXT. STATIC PRESS.	HP (VOLTAGE)	SONE LEVEL	REMARKS REF. NO.
CX-1	CUSTODIAL	EXHAUST	1C1	RB110	-	110	-	-	2.0 AMPS (120/1)	0.6	1,2
CX-2	TOILET	EXHAUST	1R6	RB80	-	80	-	-	6.3 AMPS (120/1)	<0.3	1

REMARKS:
 1. BASED ON PRODUCT BY BROAN OR EQUAL.
 2. INCLUDE ROOF CAP MODEL 611CM WITH BACKDRAFT DAMPER, BIRD SCREEN, & ROOF CURB WITH FAN.

WALL PANEL RADIATION

UNIT NO.	TOTAL MBH	TYPE	PANEL RADIATOR				PPNG CONNECTIONS	TEMP. CONTR.	REMARKS REF. NO.
			LENGTH	ACTIVE LENGTH	DEPTH	HEIGHT			
RP-1	13.8	R3F-2	30'-0"	24'-0"	4.8"	8.62"	SAME RIGHT	2-WAY	1,2,3,4,5
RP-2	13.6	R3F-2	26'-0"	20'-0"	4.8"	8.62"	SAME RIGHT	2-WAY	1,2,3,4,5
RP-3	23.1	R3F-2	40'-0"	34'-0"	4.8"	8.62"	SAME RIGHT	2-WAY	1,2,3,4,5
RP-4	13.6	R3F-2	20'-0"	16'-0"	4.8"	8.62"	SAME RIGHT	2-WAY	1,2,3,4,5
RP-5	4.5	R3F-3	8'-6"	5'-0"	4.8"	11.5"	SAME RIGHT	2-WAY	1,2,3,4,5
RP-6	5.4	R3F-3	9'-6"	6'-0"	4.8"	11.5"	SAME RIGHT	2-WAY	1,2,3,4,5
RP-7	4.5	R3F-3	8'-0"	5'-0"	4.8"	11.5"	SAME RIGHT	2-WAY	1,2,3,4,5,6
RP-8	4.5	R3F-3	8'-10"	5'-0"	4.8"	11.5"	SAME RIGHT	2-WAY	1,2,3,4,5,6
RP-9	4.5	R3F-3	9'-0"	5'-0"	4.8"	11.5"	SAME RIGHT	2-WAY	1,2,3,4,5,6
RP-10	4.5	R3F-3	9'-0"	5'-0"	4.8"	11.5"	SAME RIGHT	2-WAY	1,2,3,4,5,6

REMARKS:
 1. BASED ON PRODUCT BY RUNTAL RADIATORS
 2. UNIT SHALL BE WALL MOUNTED PANEL TYPE
 3. UNIT SIZE WITH AVERAGE WATER TEMPERATURE 130°F 30% PROPYLENE GLYCOL
 4. SEE DETAIL 4MS01
 5. FIELD VERIFY EXACT LENGTHS.
 6. PROVIDE CUSTOM CURVED PANEL.

EXISTING ROOFTOP UNIT

UNIT NO.	UNIT TYPE	SIZE	CASING CONST.	FILTER	AR BLENDER SP.	SUPPLY FAN	COL REF. NO.	REMARKS									
			SINGLE WALL	DOUBLE WALL	2" T.A. 30% EFF. FILTER APD	FAN TYPE	FAN SIZE	VFD	C F M	30S AR (MN)	TOTAL STATIC PRESS.	BLOWER MOTOR HP	HEATING	COOLING	REMARKS		
RTU-1	T-SERIES	21	-	YES	YES	0.55	0.35	29.125"-AF	21P	YES	9420	0.9%	2.50	15 (480/3)	HC-1A	CC-1A	1

REMARKS:
 1. BASED ON PRODUCT BY TRANE CO.





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ARC PHASE 2 REMODEL

Project Location: 400 N. 7TH STREET
LA CROSSE, WI 54601

HVAC SCHEDULES

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

HSR Project Number: 18047

Project Date: FEBRUARY 2019

Drawn By: kkl

Key Plan:

Revisions:

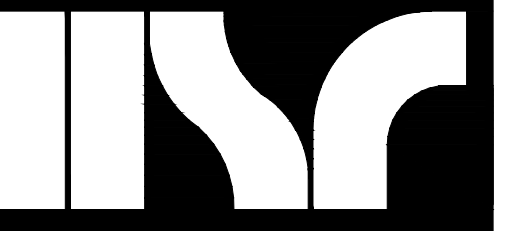
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Graphic Scale: VARIES

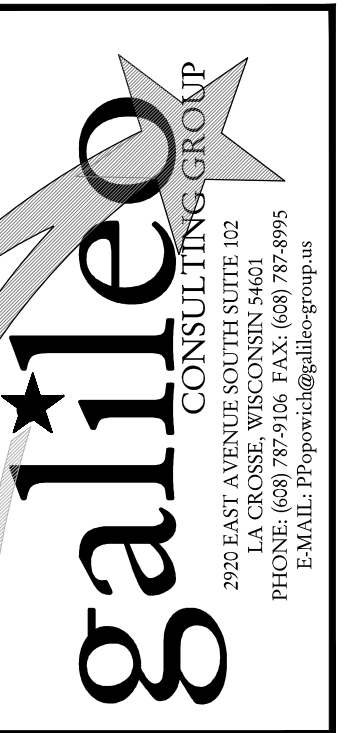
Last Update:

SINGLE DUCT SCHEDULE - HOT WATER HEAT

RESULTS										WATER HEAT										SOUND			RAD SOUND POWER					DIS SOUND POWER										
TAG	MFG	QTY	MODE L	SIZE	CONTROL S	MAX PRIMARY CFM	MIN PRIMARY CFM	INLET SP in. wg	MIN SP in. wg	DOWN SP in. wg	ARRANGEMENT	HEAT CFM	EAT DEG F	LAT DEG F	CAPACITY MBH	EWT DEG F	LWT DEG F	COIL APD in. wg	WATER GPM	COIL ROWS	CIRCUIT S	WPD ft. wg	Glycol Type	Glycol Pct	RAD NC	DIS NC	ATTN METHOD	125	250	500	1000	2000	4000	8000				
VAV-1-13	ETI	1	SDR	08	By Others	450	135	1	0.23	0.25	RH Controls / RH Coil	135	55	119.0	9.4	140	130.3	0.22	2.04	3	3	0.58	Propylene	35	-	AHRI-885E	50	41	40	36	31	24	59	54	50	47	44	40
VAV-1-10	ETI	1	SDR	08	By Others	700	210	1	0.49	0.25	RH Controls / RH Coil	210	55	106.3	11.7	140	127.5	0.47	1.98	3	3	0.55	Propylene	35	18	-	AHRI-885E	56	44	39	34	27	64	58	54	51	47	43
VAV-1-11	ETI	1	SDR	06	By Others	270	80	1	0.2	0.25	RH Controls / RH Coil	80	55	119.5	5.6	140	120.2	0.17	0.6	4	6	0.01	Propylene	35	-	AHRI-885E	47	43	40	37	33	24	60	55	50	47	41	39
VAV-1-12	ETI	1	SDR	08	By Others	680	205	1	0.47	0.25	RH Controls / RH Coil	205	55	107.5	11.7	140	127.8	0.45	2.03	3	3	0.57	Propylene	35	16	-	AHRI-885E	53	44	38	33	26	62	57	52	50	46	42
VAV-1-7	ETI	1	SDR	10	By Others	800	240	1	0.32	0.25	RH Controls / RH Coil	240	55	103.9	12.7	140	119.5	0.31	1.31	3	3	0.34	Propylene	35	-	AHRI-885E	51	42	40	34	28	29	60	55	52	49	46	42
VAV-1-6	ETI	1	SDR	06	By Others	110	75	1	0.06	0.25	RH Controls / RH Coil	75	55	120.9	5.4	140	120.3	0.04	0.58	4	6	0.01	Propylene	35	-	AHRI-885E	45	41	40	36	26	59	56	52	48	44	42	
VAV-1-5	ETI	1	SDR	06	By Others	110	75	1	0.06	0.25	RH Controls / RH Coil	75	55	120.9	5.4	140	120.3	0.04	0.58	4	6	0.01	Propylene	35	-	AHRI-885E	45	41	40	36	26	59	56	52	48	44	42	
VAV-1-4	ETI	1	SDR	06	By Others	110	75	1	0.06	0.25	RH Controls / RH Coil	75	55	120.9	5.4	140	120.3	0.04	0.58	4	6	0.01	Propylene	35	-	AHRI-885E	45	41	40	36	26	59	56	52	48	44	42	
VAV-1-2	ETI	1	SDR	12	By Others	1150	345	1	0.46	0.25	RH Controls / RH Coil	345	55	105.0	18.7	140	106.0	0.45	1.17	4	4	0.21	Propylene	35	-	AHRI-885E	49	44	41	34	31	29	61	55	52	48	46	42
VAV-1-1	ETI	1	SDR	12	By Others	1150	345	1	0.46	0.25	RH Controls / RH Coil	345	55	105.0	18.7	140	106.0	0.45	1.17	4	4	0.21	Propylene	35	-	AHRI-885E	49	44	41	34	31	29	61	55	52	48	46	42
VAV-1-3	ETI	1	SDR	16	By Others	2670	800	1	0.57	0.25	RH Controls / RH Coil	800	55	101.3	40.2	140	106.1	0.54	2.52	3	3	1.82	Propylene	35	16	15	AHRI-885E	53	48	39	35	31	65	57	56	51	47	45
VAV-1-22	ETI	1	SDR	06	By Others	200	75	1	0.1	0.25	RH Controls / RH Coil	75	55	131.0	6.2	140	134.9	0.08	2.55	3	3	0.79	Propylene	35	-	AHRI-885E	44	40	40	39	35	25	56	53	49	45	41	38
VAV-1-21	ETI	1	SDR	06	By Others	80	75	1	0.04	0.25	RH Controls / RH Coil	75	55	121.4	5.4	140	127.0	0.02	0.88	3	3	0.12	Propylene	35	-	AHRI-885E	45	41	40	36	26	59	56	52	48	44	42	
VAV-1-20	ETI	1	SDR	06	By Others	80	75	1	0.04	0.25	RH Controls / RH Coil	75	55	121.4	5.4	140	127.0	0.02	0.88	3	3	0.12	Propylene	35	-	AHRI-885E	45	41	40	36	26	59	56	52	48	44	42	
VAV-1-23	ETI	1	SDR	06	By Others	300	90	1	0.24	0.25	RH Controls / RH Coil	90	55	117.3	6.1	140	112.6	0.2	0.47	4	4	0.03	Propylene	35	-	AHRI-885E	48	44	41	37	32	25	61	56	51	47	42	
VAV-1-24	ETI	1	SDR	06	By Others	380	115	1	0.3	0.25	RH Controls / RH Coil	115	55	110.6	6.9	140	130.1	0.23	1.48	3	6	0.05	Propylene	35	16	-	AHRI-885E	51	47	43	37	32	27	63	58	53	49	43
VAV-1-14	ETI	1	SDR	06	By Others	80	75	1	0.04	0.25	RH Controls / RH Coil	75	55	121.4	5.4	140	127.0	0.02	0.88	3	3	0.12	Propylene	35	-	AHRI-885E	45	41	40	36	26	59	56	52	48	44	42	
VAV-1-16	ETI	1	SDR	06	By Others	240	75	1	0.14	0.25	RH Controls / RH Coil	75	55	121.4	5.4	140	127.0	0.11	0.88	3	3	0.12	Propylene	35	-	AHRI-885E	45	41	40	36	26	59	56	52	48	44	42	
VAV-1-15	ETI	1	SDR	06	By Others	215	75	1	0.11	0.25	RH Controls / RH Coil	75	55	121.4	5.4	140	127.0	0.09	0.88	3	3	0.12	Propylene	35	-	AHRI-885E	45	41	40	36	25	57	54	49	46	41	38	
VAV-1-17	ETI	1	SDR	06	By Others	80	75	1	0.04	0.25	RH Controls / RH Coil	75	55	121.4	5.4	140	127.0	0.02	0.88	3	3	0.12	Propylene	35	-	AHRI-885E	45	41	40	36	26	59	56	52	48	44	42	
VAV-1-18	ETI	1	SDR	06	By Others	80	75	1	0.04	0.25	RH Controls / RH Coil	75	55	121.4	5.4	140	127.0	0.02	0.88	3	3	0.12	Propylene	35	-	AHRI-885E	45	41	40	36	26	59	56	52	48	44	42	
VAV-1-19	ETI	1	SDR	06	By Others	80	75	1	0.04	0.25	RH Controls / RH Coil	75	55	121.4	5.4	140	127.0	0.02	0.88	3	3	0.12	Propylene	35	-	AHRI-885E	45	41	40	36	26	59	56	52	48	44	42	
VAV-1-35	ETI	1	SDR	06	By Others	80	75	1	0.04	0.25	RH Controls / RH Coil	75	55	121.4	5.4	140	127.0	0.02	0.88	3	3	0.12	Propylene	35	-	AHRI-885E	45	41	40	36	26	59	56	52	48	44	42	
VAV-1-34	ETI	1	SDR	06	By Others	80	75	1	0.04	0.25	RH Controls / RH Coil	75	55	121.4	5.4	140	127.0	0.02	0.88	3	3	0.12	Propylene	35	-	AHRI-885E	45	41	40	36	26	59	56	52	48	44	42	
VAV-1-31	ETI	1	SDR	06	By Others	80	75	1	0.04	0.25	RH Controls / RH Coil	75	55	121.4	5.4	140	127.0	0.02	0.88	3	3	0.12	Propylene	35	-	AHRI-885E	45	41	40	36	26	59	56	52	48	44	42	
VAV-1-33	ETI	1	SDR	06	By Others	80	75	1	0.04	0.25	RH Controls / RH Coil	75	55	121.4	5.4	140	127.0	0.02	0.88	3	3	0.12	Propylene	35	-	AHRI-885E	45	41	40	36	26	59	56	52	48	44	42	
VAV-1-32	ETI	1	SDR	06	By Others	135	75	1	0.06	0.25	RH Controls / RH Coil	75	55	121.4	5.4	140	127.0	0.04	0.88	3	3	0.12	Propylene	35	-	AHRI-885E	45	41	40	36	26	59	56	52	48	44	42	
VAV-2-10	ETI	1	SDR	08	By Others	700	210	1	0.49	0.25	RH Controls / RH Coil	210	55	106.3	11.7	140	127.5	0.47	1.98	3	3	0.55	Propylene	35	18	-	AHRI-885E	56	44	39	34	27	64	58	54	51	47	43
VAV-2-8	ETI	1	SDR	06	By Others	120	75	1	0.05	0.25	RH Controls / RH Coil	75	55	121.4	5.4	140	127.0	0.03	0.88	3	3	0.12	Propylene	35	-	AHRI-885E	45	41	40	36	26	59	56	52	48	44	42	
VAV-2-9	ETI	1	SDR	06	By Others	120	75	1	0.05	0.25	RH Controls / RH Coil	75	55	121.4	5.4	140	127.0	0.03	0.88	3	3	0.12	Propylene	35	-	AHRI-885E	45	41	40	36	26	59	56	52	48	44	42	
VAV-2-11	ETI	1	SDR	08	By Others	600	180	1	0.49	0.25	RH Controls / RH Coil	180	55	109.6	10.7	140	119.8	0.48	1.12	4	4	0.12	Propylene	35	16	-	AHRI-885E	53	44	38	33	26	62	57	52	50	46	42
VAV-2-27	ETI	1	SDR	14	By Others	1050	350	1	0.22	0.25	RH Controls / RH Coil	350	55	108.0	46.0	140	112.0	0.21	3.49	4	4	1.81	Propylene	35	-	AHRI-885E	47	43	36	34	30	63	58	54	53	52		
VAV-1-39	ETI	1	SDR	12	By Others	570	240	1	0.11	0.25	RH Controls / RH Coil																											



Consultant:

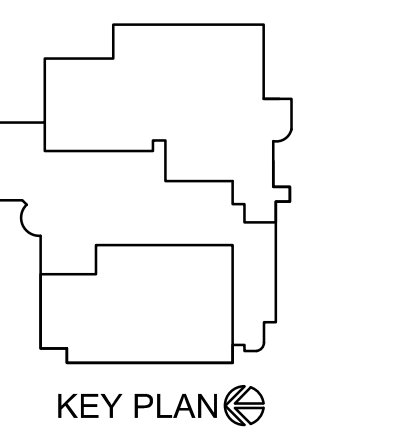


WESTERN TECHNICAL COLLEGE
ARC & WELCOME CENTER
PHASE 2 REMODEL

WESTERN TECHNICAL COLLEGE
400 N. 7th STREET
LA CROSSE, WI 54601

Project Title:
Project Number:
Project Location:
Sheet Title:

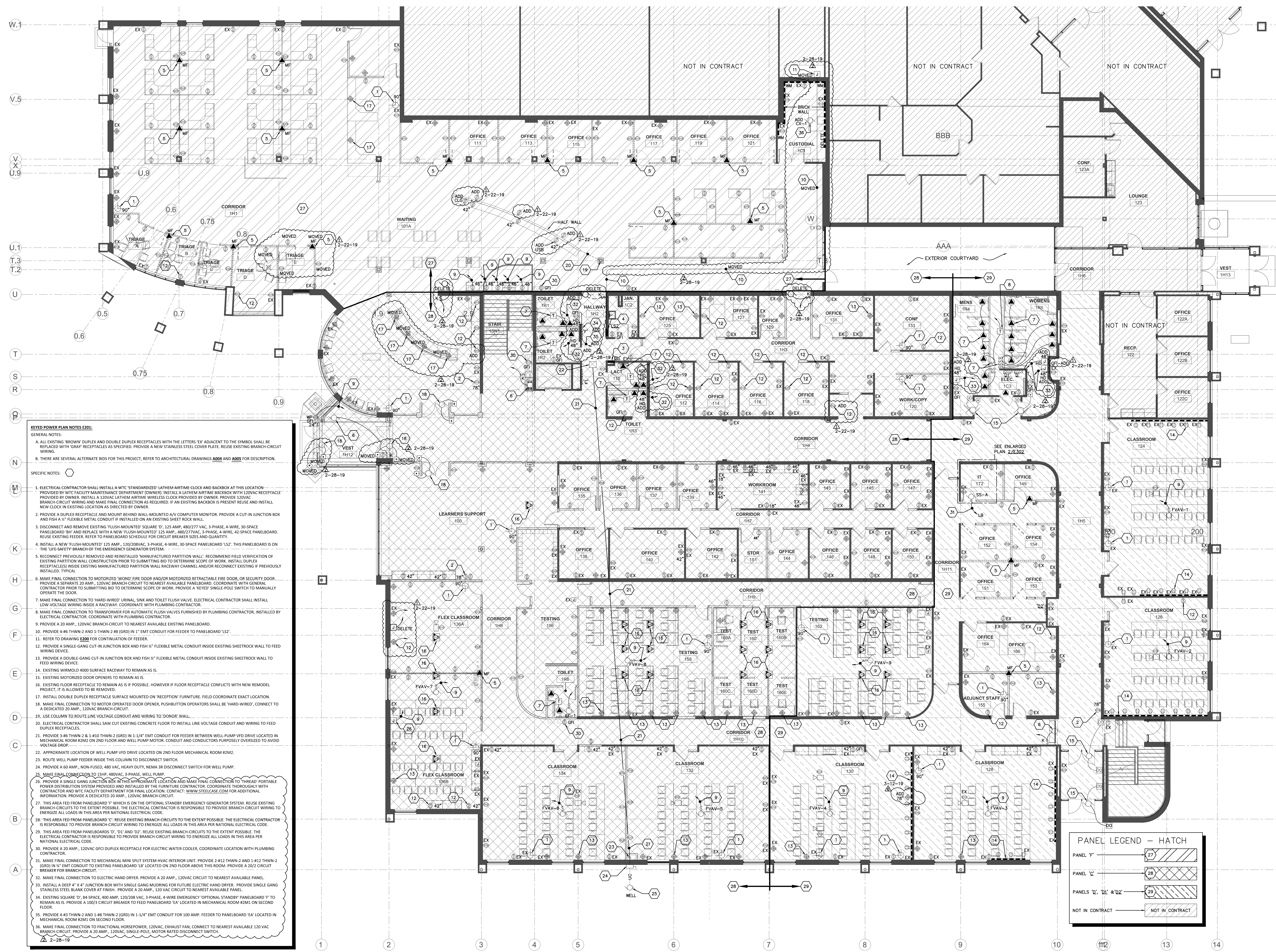
HSR Project Number: 18047
Project Date: 2-12-19
Drawn By: CSP
Key Plan:



Revisions:

No.	Description	Date
1	ADDENDUM #1	2-22-2019
2	ADDENDUM #2	2-28-2019
3	ADDENDUM #3	2-28-2019

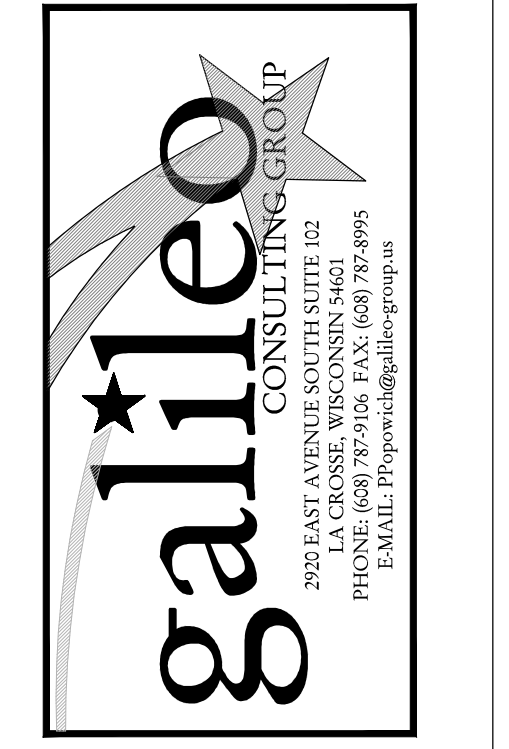
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Last Update: 03/12/2019





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**WESTERN TECHNICAL COLLEGE
ARC & WELCOME CENTER
PHASE 2 REMODEL**

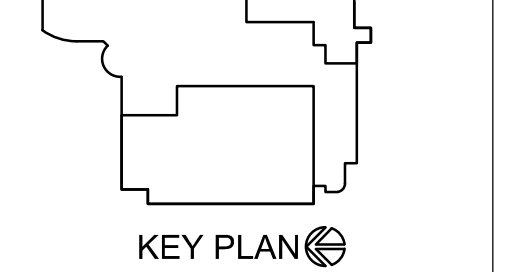
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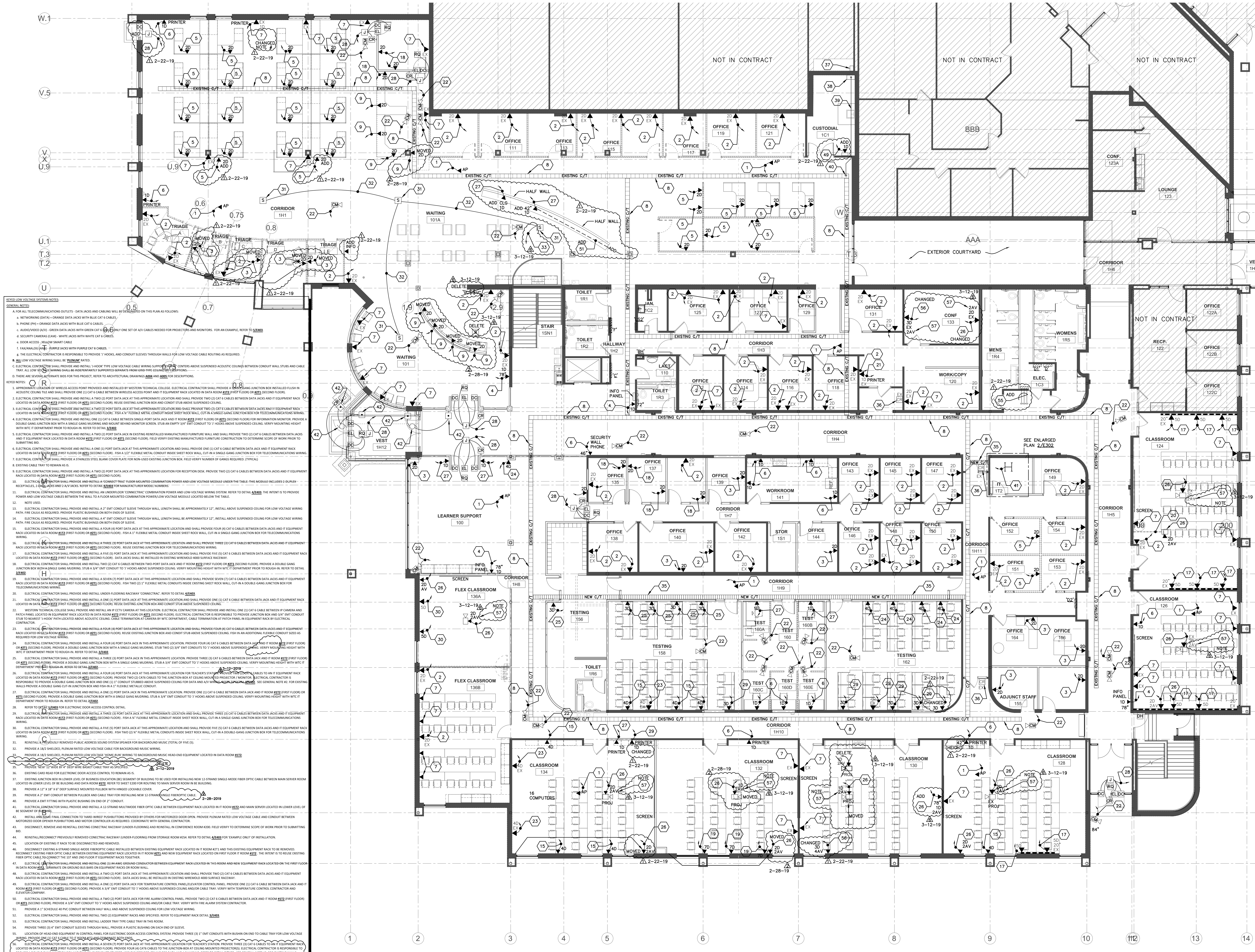
KEY PLAN

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3	ADDENDUM #3	3-12-19

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VARIES

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E301R.2



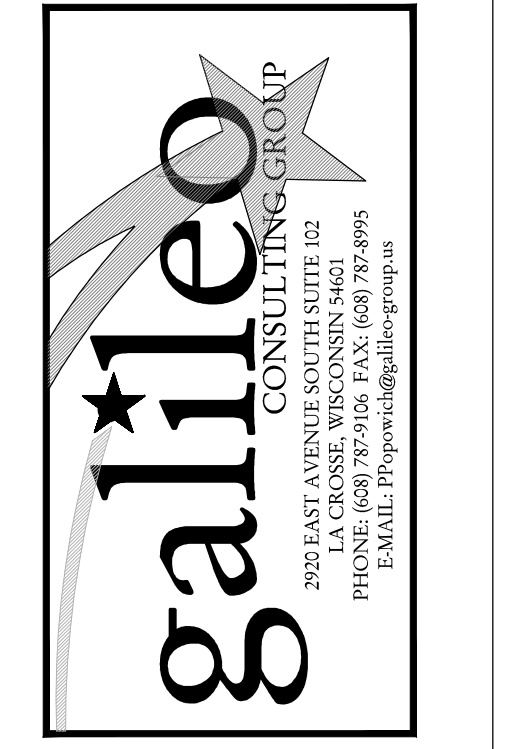
- GENERAL NOTES:**
- FOR ALL TELECOMMUNICATIONS OUTLETS, DATA JACKS AND CABLING WILL BE ORGANIZED ON THIS PLAN AS FOLLOWS:
 - NETWORKING (DATA) - CHANGE DATA JACKS WITH BLUE CAT 6 CABLES.
 - PHONE (PNI) - CHANGE DATA JACKS WITH BLUE CAT 6 CABLES.
 - AUDIO/VIDEO (AV) - GREEN DATA JACKS WITH GREEN CAT 6 CABLES.
 - SECURITY CAMERAS (CAM) - WHITE JACKS WITH WHITE CAT 6 CABLES.
 - DOOR ACCESS - YELLOW SMART CABLE.
 - FAX/ANALOG (FAX) - PURPLE JACKS WITH PURPLE CAT 6 CABLES.
 - THE ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE 7' HOODS, AND CONDUIT CONNECTIONS THROUGH WALLS FOR LOW VOLTAGE CABLE ROUTING AS REQUIRED.
 - ALL LOW VOLTAGE WIRING SHALL BE RACEWAY.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL 1" HOOD TYPE LOW VOLTAGE CABLE WIRING SUPPORT SYSTEMS ABOVE SUSPENDED ACoustIC CEILING BETWEEN CONDUIT WALL STUDS AND CABLE TRAY. ALL LOW VOLTAGE WIRING SHALL BE INDEPENDENTLY SUPPORTED SEPARATE FROM THE CEILING SUPPORT SYSTEM.
 - WHERE ARE LOCATED TO REMAIN BUS FOR THIS PROJECT, REFER TO ARCHITECTURAL DRAWINGS AND/OR FOR DESCRIPTIONS.
- REVISION NOTES:**
- APPROXIMATE LOCATION OF WIRELESS ACCESS POINT PROVIDED AND INSTALLED BY WESTERN TECHNICAL COLLEGE. ELECTRICAL CONTRACTOR SHALL PROVIDE A DOUBLE GANG JUNCTION BOX INSTALLED FLUSH IN ADDITION TO THE WIRELESS ACCESS POINT (1) CAT 6 CABLE BETWEEN WIRELESS ACCESS POINT AND IT EQUIPMENT RACK LOCATED IN DATA ROOM #112 (FIRST FLOOR) OR #113 (SECOND FLOOR).
 - ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A TWO (2) PORT DATA JACK AT THIS APPROXIMATE LOCATION AND SHALL PROVIDE TWO (2) CAT 6 CABLES BETWEEN DATA JACKS AND IT EQUIPMENT RACK LOCATED IN DATA ROOM #112 (FIRST FLOOR) OR #113 (SECOND FLOOR). RELEASE EXISTING JUNCTION BOX AND CONDUIT STUB ABOVE SUSPENDED CEILING.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A TWO (2) PORT DATA JACK AT THIS APPROXIMATE LOCATION AND SHALL PROVIDE TWO (2) CAT 6 CABLES BETWEEN DATA JACKS AND IT EQUIPMENT RACK LOCATED IN DATA ROOM #112 (FIRST FLOOR) OR #113 (SECOND FLOOR). FISH A 1/2" FLEXIBLE METAL CONDUIT INSIDE SHEET ROCK WALL, CUT IN A SINGLE GANG JUNCTION BOX FOR TELECOMMUNICATIONS WIRING.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ONE (1) CAT 6 CABLE BETWEEN DATA JACK AND IT EQUIPMENT RACK LOCATED IN DATA ROOM #112 (FIRST FLOOR) OR #113 (SECOND FLOOR) FOR INFORMATION MONITOR. PROVIDE A DOUBLE GANG JUNCTION BOX WITH A SINGLE GANG MOUNTING AND MOUNT MONITOR SCREEN. STUB A 3/4" EMT CONDUIT TO 7' HOODS ABOVE SUSPENDED CEILING. VERIFY MOUNTING HEIGHT WITH WTC IT DEPARTMENT PRIOR TO INSTALLATION. REFER TO DETAIL 21602.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A TWO (2) PORT DATA JACK IN EXISTING REINSTALLED MANUFACTURED FURNITURE WALL AND SHALL PROVIDE TWO (2) CAT 6 CABLES BETWEEN DATA JACKS AND IT EQUIPMENT RACK LOCATED IN DATA ROOM #112 (FIRST FLOOR) OR #113 (SECOND FLOOR). FISH 1/2" FLEXIBLE METAL CONDUIT INSIDE SHEET ROCK WALL, CUT IN A DOUBLE GANG JUNCTION BOX FOR TELECOMMUNICATIONS WIRING.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A TWO (2) PORT DATA JACK AT THIS APPROXIMATE LOCATION AND SHALL PROVIDE TWO (2) CAT 6 CABLES BETWEEN DATA JACKS AND IT EQUIPMENT RACK LOCATED IN DATA ROOM #112 (FIRST FLOOR) OR #113 (SECOND FLOOR). FISH A 1/2" FLEXIBLE METAL CONDUIT INSIDE SHEET ROCK WALL, CUT IN A SINGLE GANG JUNCTION BOX FOR TELECOMMUNICATIONS WIRING.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE A STAINLESS STEEL BLANK COVER PLATE FOR NON-USED EXISTING JUNCTION BOX. FIELD VERIFY NUMBER OF GANGS REQUIRED. (CPYCAL)
 - EXISTING CABLE TRAY TO REMAIN AS IS.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A TWO (2) PORT DATA JACK AT THIS APPROXIMATE LOCATION FOR RECEPTION DESK. PROVIDE TWO (2) CAT 6 CABLES BETWEEN DATA JACKS AND IT EQUIPMENT RACK LOCATED IN DATA ROOM #112 (FIRST FLOOR) OR #113 (SECOND FLOOR). RELEASE EXISTING JUNCTION BOX AND CONDUIT STUB ABOVE SUSPENDED CEILING.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A CONNECT TRAC FLOOR MOUNTED COMBINATION POWER AND LOW VOLTAGE MODULE UNDER THE TABLE. THIS MODULE INCLUDES 2 DUPLEX RECEPTACLES, 2 DATA JACKS AND 2 AV JACKS. REFER TO DETAIL 21602 FOR MANUFACTURER'S MODEL NUMBER.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL UNDER FLOOR CONNECTOR POWER AND LOW VOLTAGE WIRING SYSTEM. REFER TO DETAIL 21602. THE INTENT IS TO PROVIDE POWER AND LOW VOLTAGE CABLES BETWEEN THE WALL TO A FLOOR MOUNTED COMBINATION POWER/LOW VOLTAGE MODULE LOCATED BELOW THE TABLE.
 - NOTE USED.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A 2" EMT CONDUIT SLEEVE THROUGH WALL. LENGTH SHALL BE APPROXIMATELY 12". INSTALL ABOVE SUSPENDED CEILING FOR LOW VOLTAGE WIRING. FISH CABLE AS REQUIRED. PROVIDE PLASTIC BUSHING ON BOTH ENDS OF SLEEVE.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A 2" EMT CONDUIT SLEEVE THROUGH WALL. LENGTH SHALL BE APPROXIMATELY 12". INSTALL ABOVE SUSPENDED CEILING FOR LOW VOLTAGE WIRING. FISH CABLE AS REQUIRED. PROVIDE PLASTIC BUSHING ON BOTH ENDS OF SLEEVE.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A FOUR (4) PORT DATA JACK AT THIS APPROXIMATE LOCATION AND SHALL PROVIDE FOUR (4) CAT 6 CABLES BETWEEN DATA JACKS AND IT EQUIPMENT RACK LOCATED IN DATA ROOM #112 (FIRST FLOOR) OR #113 (SECOND FLOOR). DATA JACKS SHALL BE INSTALLED IN EXISTING WIREMOLD 4000 SURFACE RACEWAY.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) CAT 6 CABLES BETWEEN TWO PORT DATA JACK AND IT ROOM #112 (FIRST FLOOR) OR #113 (SECOND FLOOR). PROVIDE A DOUBLE GANG JUNCTION BOX WITH A SINGLE GANG MOUNTING. STUB A 3/4" EMT CONDUIT TO 7' HOODS ABOVE SUSPENDED CEILING. VERIFY MOUNTING HEIGHT WITH WTC IT DEPARTMENT PRIOR TO INSTALLATION. REFER TO DETAIL 21602.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A SEVEN (7) PORT DATA JACK AT THIS APPROXIMATE LOCATION AND SHALL PROVIDE SEVEN (7) CAT 6 CABLES BETWEEN DATA JACKS AND IT EQUIPMENT RACK LOCATED IN DATA ROOM #112 (FIRST FLOOR) OR #113 (SECOND FLOOR). FISH TWO (2) 1/2" FLEXIBLE METAL CONDUITS INSIDE SHEET ROCK WALL, CUT IN A DOUBLE GANG JUNCTION BOX FOR TELECOMMUNICATIONS WIRING.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL UNDER FLOORING RACEWAY CONNECTOR. REFER TO DETAIL 21602.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A TWO (2) PORT DATA JACK AT THIS APPROXIMATE LOCATION AND SHALL PROVIDE TWO (2) CAT 6 CABLES BETWEEN DATA JACKS AND IT EQUIPMENT RACK LOCATED IN DATA ROOM #112 (FIRST FLOOR) OR #113 (SECOND FLOOR). RELEASE EXISTING JUNCTION BOX AND CONDUIT STUB ABOVE SUSPENDED CEILING.
 - WESTERN TECHNICAL COLLEGE SHALL PROVIDE AND INSTALL AN IP CCTV CAMERA AT THIS LOCATION. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ONE (1) CAT 6 CABLE BETWEEN IP CAMERA AND PATCH PANEL LOCATED IN EQUIPMENT RACK LOCATED IN DATA ROOM #112 (FIRST FLOOR) OR #113 (SECOND FLOOR). ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE JUNCTION BOX AND 1/2" EMT CONDUIT STUB TO NEAREST 1" HOOD-PAATH LOCATED ABOVE ACoustIC CEILING. CABLE TERMINATION AT CAMERA BY WTC DEPARTMENT. CABLE TERMINATION AT PATCH PANEL IN EQUIPMENT RACK BY ELECTRICAL CONTRACTOR.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A FOUR (4) PORT DATA JACK AT THIS APPROXIMATE LOCATION AND SHALL PROVIDE FOUR (4) CAT 6 CABLES BETWEEN DATA JACKS AND IT EQUIPMENT RACK LOCATED IN DATA ROOM #112 (FIRST FLOOR) OR #113 (SECOND FLOOR). PROVIDE AN ADDITIONAL FLEXIBLE CONDUIT SIZED AS REQUIRED FOR LOW VOLTAGE WIRING.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A FOUR (4) PORT DATA JACK IN THIS APPROXIMATE LOCATION. PROVIDE FOUR (4) CAT 6 CABLES BETWEEN DATA JACKS AND IT ROOM #112 (FIRST FLOOR) OR #113 (SECOND FLOOR). PROVIDE A DOUBLE GANG JUNCTION BOX WITH A SINGLE GANG MOUNTING. STUB TWO (2) 3/4" EMT CONDUITS TO 7' HOODS ABOVE SUSPENDED CEILING. VERIFY MOUNTING HEIGHT WITH WTC IT DEPARTMENT PRIOR TO INSTALLATION. REFER TO DETAIL 21602.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL THREE (3) PORT DATA JACK IN THIS APPROXIMATE LOCATION AND SHALL PROVIDE THREE (3) CAT 6 CABLES BETWEEN DATA JACKS AND IT ROOM #112 (FIRST FLOOR) OR #113 (SECOND FLOOR). PROVIDE A DOUBLE GANG JUNCTION BOX WITH A SINGLE GANG MOUNTING. STUB A 3/4" EMT CONDUIT TO 7' HOODS ABOVE SUSPENDED CEILING. VERIFY MOUNTING HEIGHT WITH WTC IT DEPARTMENT PRIOR TO INSTALLATION. REFER TO DETAIL 21602.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A FOUR (4) PORT DATA JACK AT THIS APPROXIMATE LOCATION FOR TEACHER'S STATION. PROVIDE FOUR (4) CAT 6 CABLES TO AN IT EQUIPMENT RACK LOCATED IN DATA ROOM #112 (FIRST FLOOR) OR #113 (SECOND FLOOR). PROVIDE TWO (2) CAT 6 CABLES TO THE JUNCTION BOX AT CEILING MOUNTED PROJECTOR/MONITOR. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE A DOUBLE GANG JUNCTION BOX WITH A SINGLE GANG MOUNTING AND A 1/2" FLEXIBLE METAL CONDUIT. SEE GENERAL NOTE # 6 FOR EXISTING WALLS PROVIDE A DOUBLE GANG CUT IN JUNCTION BOX AND FISH IN A 1/2" FLEXIBLE METAL CONDUIT.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ONE (1) PORT DATA JACK IN THIS APPROXIMATE LOCATION. PROVIDE ONE (1) CAT 6 CABLE BETWEEN DATA JACK AND IT ROOM #112 (FIRST FLOOR) OR #113 (SECOND FLOOR). PROVIDE A DOUBLE GANG JUNCTION BOX WITH A SINGLE GANG MOUNTING. STUB A 3/4" EMT CONDUIT TO 7' HOODS ABOVE SUSPENDED CEILING. VERIFY MOUNTING HEIGHT WITH WTC IT DEPARTMENT PRIOR TO INSTALLATION. REFER TO DETAIL 21602.
 - REFER TO DETAIL 21602 FOR ELECTRONIC DOOR ACCESS CONTROL DETAIL.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL THREE (3) PORT DATA JACK AT THIS APPROXIMATE LOCATION AND SHALL PROVIDE THREE (3) CAT 6 CABLES BETWEEN DATA JACKS AND IT EQUIPMENT RACK LOCATED IN DATA ROOM #112 (FIRST FLOOR) OR #113 (SECOND FLOOR). FISH A 1/2" FLEXIBLE METAL CONDUIT INSIDE SHEET ROCK WALL, CUT IN A SINGLE GANG JUNCTION BOX FOR TELECOMMUNICATIONS WIRING.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL FIVE (5) PORT DATA JACK AT THIS APPROXIMATE LOCATION AND SHALL PROVIDE FIVE (5) CAT 6 CABLES BETWEEN DATA JACKS AND IT EQUIPMENT RACK LOCATED IN DATA ROOM #112 (FIRST FLOOR) OR #113 (SECOND FLOOR). FISH TWO (2) 1/2" FLEXIBLE METAL CONDUITS INSIDE SHEET ROCK WALL, CUT IN A DOUBLE GANG JUNCTION BOX FOR TELECOMMUNICATIONS WIRING.
 - REINSTALL A 1/2" SHIELDED PUBLIC ADDRESS SYSTEM SPEAKER FOR BACKGROUND MUSIC (TOTAL OF FIVE (5)).
 - PROVIDE A 1/2" SHIELDED, PLENUM RATED LOW VOLTAGE CABLE FOR BACKGROUND MUSIC WIRING.
 - PROVIDE A 1/2" SHIELDED, PLENUM RATED LOW VOLTAGE "HOME-RUN" WIRING TO BACKGROUND MUSIC HEAD-END EQUIPMENT LOCATED IN DATA ROOM #112 (FIRST FLOOR) OR #113 (SECOND FLOOR). FISH 1/2" FLEXIBLE METAL CONDUIT INSIDE SHEET ROCK WALL.
 - EXISTING CARB READ FOR ELECTRONIC DOOR ACCESS CONTROL TO REMAIN AS IS.
 - EXISTING JUNCTION BOX IN LOWER LEVEL OF BUSINESS EDUCATION (B) SECTOR OF BUILDING TO BE USED FOR INSTALLING NEW 12-STRAND SINGLE MODE FIBER OPTIC CABLE BETWEEN MAIN SERVER ROOM LOCATED IN LOWER LEVEL OF BUSINESS EDUCATION (B) SECTOR OF BUILDING TO MAIN SERVER ROOM IN THIS BUILDING.
 - PROVIDE A 12" x 18" x 6" DEEP SURFACE MOUNTED PULLBOX WITH HINGED LOCKABLE COVER.
 - PROVIDE A 2" EMT CONDUIT BETWEEN PULLBOX AND CABLE TRAY FOR INSTALLING NEW 12-STRAND SINGLE FIBER OPTIC CABLE.
 - PROVIDE A EMT FITTING WITH PLASTIC BUSHING ON END OF 2" CONDUIT.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A 12-STRAND MULTIMODE FIBER OPTIC CABLE BETWEEN EQUIPMENT RACK LOCATED IN IT ROOM #112 AND MAIN SERVER LOCATED IN LOWER LEVEL OF BUSINESS EDUCATION (B) SECTOR OF BUILDING.
 - INSTALL AND MAKE FINAL CONNECTION TO HARD-WIRE PUSHBUTTONS PROVIDED BY OTHERS FOR MOTORIZED DOOR OPEN. PROVIDE PLENUM RATED LOW VOLTAGE CABLE AND CONDUIT BETWEEN MOTORIZED DOOR OPERATOR PUSHBUTTONS AND MAIN SERVER ROOM IN GENERAL CONTRACTOR.
 - DISCONNECT, REMOVE AND REINSTALL EXISTING CONNECTOR RACEWAY (UNDER FLOORING) AND REINSTALL IN CONFERENCE ROOM #100. FIELD VERIFY TO DETERMINE SCOPE OF WORK PRIOR TO SUBMITTING BID.
 - REINSTALL/RECONNECT PREVIOUSLY REMOVED CONNECTOR RACEWAY (UNDER FLOORING) FROM STORAGE ROOM #104. REFER TO DETAIL 21602 FOR 'EXAMPLE ONLY' OF INSTALLATION.
 - LOCATION OF EXISTING RACK TO BE DISCONNECTED AND REMOVED.
 - DISCONNECT EXISTING 6-STRAND SINGLE MODE FIBER OPTIC CABLE INSTALLED BETWEEN EXISTING EQUIPMENT RACK LOCATED IN IT ROOM #112 AND THE EXISTING EQUIPMENT RACK TO BE REMOVED. RECONNECT EXISTING FIBER OPTIC CABLE BETWEEN EXISTING EQUIPMENT RACK LOCATED IN IT ROOM #112 AND NEW EQUIPMENT RACK LOCATED ON FIRST FLOOR IT ROOM #112. THE INTENT IS TO REUSE EXISTING FIBER OPTIC CABLE TO CONNECT THE 1ST AND 2ND FLOOR IT EQUIPMENT RACKS TOGETHER.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ONE (1) 1/4" WGA GROUND CONDUCTOR BETWEEN EQUIPMENT RACK LOCATED IN THIS ROOM AND NEW EQUIPMENT RACK LOCATED ON THE FIRST FLOOR IN DATA ROOM #112 (FIRST FLOOR) OR #113 (SECOND FLOOR). PROVIDE TWO (2) PORT DATA JACKS AT THIS APPROXIMATE LOCATION AND SHALL PROVIDE TWO (2) CAT 6 CABLES BETWEEN DATA JACKS AND IT EQUIPMENT RACK LOCATED IN DATA ROOM #112 (FIRST FLOOR) OR #113 (SECOND FLOOR). DATA JACKS SHALL BE INSTALLED IN EXISTING WIREMOLD 4000 SURFACE RACEWAY.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) PORT DATA JACK AT THIS APPROXIMATE LOCATION AND SHALL PROVIDE TWO (2) CAT 6 CABLES BETWEEN DATA JACKS AND IT EQUIPMENT RACK LOCATED IN DATA ROOM #112 (FIRST FLOOR) OR #113 (SECOND FLOOR). PROVIDE A 3/4" EMT CONDUIT TO 7' HOODS ABOVE SUSPENDED CEILING AND/OR CABLE TRAY. VERIFY WITH TEMPERATURE CONTROL CONTRACTOR AND ELEVATOR COMPANY.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) PORT DATA JACKS FOR FIRE ALARM CONTROL PANEL. PROVIDE TWO (2) CAT 6 CABLES BETWEEN DATA JACK AND IT ROOM #112 (FIRST FLOOR) OR #113 (SECOND FLOOR). PROVIDE A 3/4" EMT CONDUIT TO 7' HOODS ABOVE SUSPENDED CEILING AND/OR CABLE TRAY. VERIFY WITH FIRE ALARM SYSTEM CONTRACTOR.
 - PROVIDE A 1" SCHEDULE 40 PVC CONDUIT BETWEEN HALF WALL AND ABOVE SUSPENDED CEILING FOR LOW VOLTAGE WIRING.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) EQUIPMENT RACKS AND SPECIFIED. REFER TO EQUIPMENT RACK DETAIL 21602.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL UNDER TRAY CABLE TRAY IN THIS ROOM.
 - PROVIDE THREE (3) 4" EMT CONDUITS SLEEVES THROUGH WALL. PROVIDE A PLASTIC BUSHING ON EACH END OF SLEEVE.
 - LOCATION OF HEAD-END EQUIPMENT IN CONTROL PANEL FOR ELECTRONIC DOOR ACCESS CONTROL SYSTEM. PROVIDE THREE (3) 1" EMT CONDUITS WITH BUSHING ON END TO CABLE TRAY FOR LOW VOLTAGE WIRING. PROVIDE TWO (2) CAT 6 CABLES TO THE JUNCTION BOX AT CEILING MOUNTED PROJECTOR/MONITOR. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE A DOUBLE GANG JUNCTION BOX AND TWO (2) CONDUITS STUBBED ABOVE SUSPENDED CEILING FROM DATA ROOM AND WTC WIRING. REFER TO DETAIL 21602. SEE GENERAL NOTE # 6 FOR EXISTING WALLS PROVIDE A DOUBLE GANG CUT IN JUNCTION BOX AND FISH IN A 1/2" FLEXIBLE METAL CONDUIT.
 - IN CLASSROOMS #124, 126, 128, 130, 132, 134, 136 AND CONFERENCE ROOMS #133 AND #100 PROVIDE CAT 6 CABLE WITH 10 GIGABIT NETWORKING FOR ALL AV JACKS. COORDINATE WITH WTC IT DEPARTMENT. ALL APPLICATIONS FOR VIDEO, AUDIO RECORDING, INTERACTIVE, 3D, AND 4K. FILE TRANSFERS TO RECORDING DEVICES OR STORAGE CONTROLLERS REQUIRE CAT 6 CABLES. REFER TO DETAIL 21602.

1 FIRST FLOOR LOW VOLTAGE PLAN
SCALE: 1/8" = 1'-0"

1816-E-LW01



Consultant:



WESTERN TECHNICAL COLLEGE
ARC & WELCOME CENTER
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WESTERN TECHNICAL COLLEGE
400 N. 7th STREET
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PARTIAL SECOND FLOOR LOW VOLTAGE PLAN

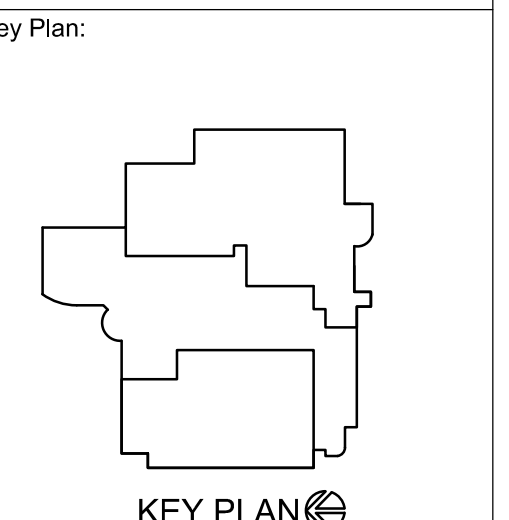
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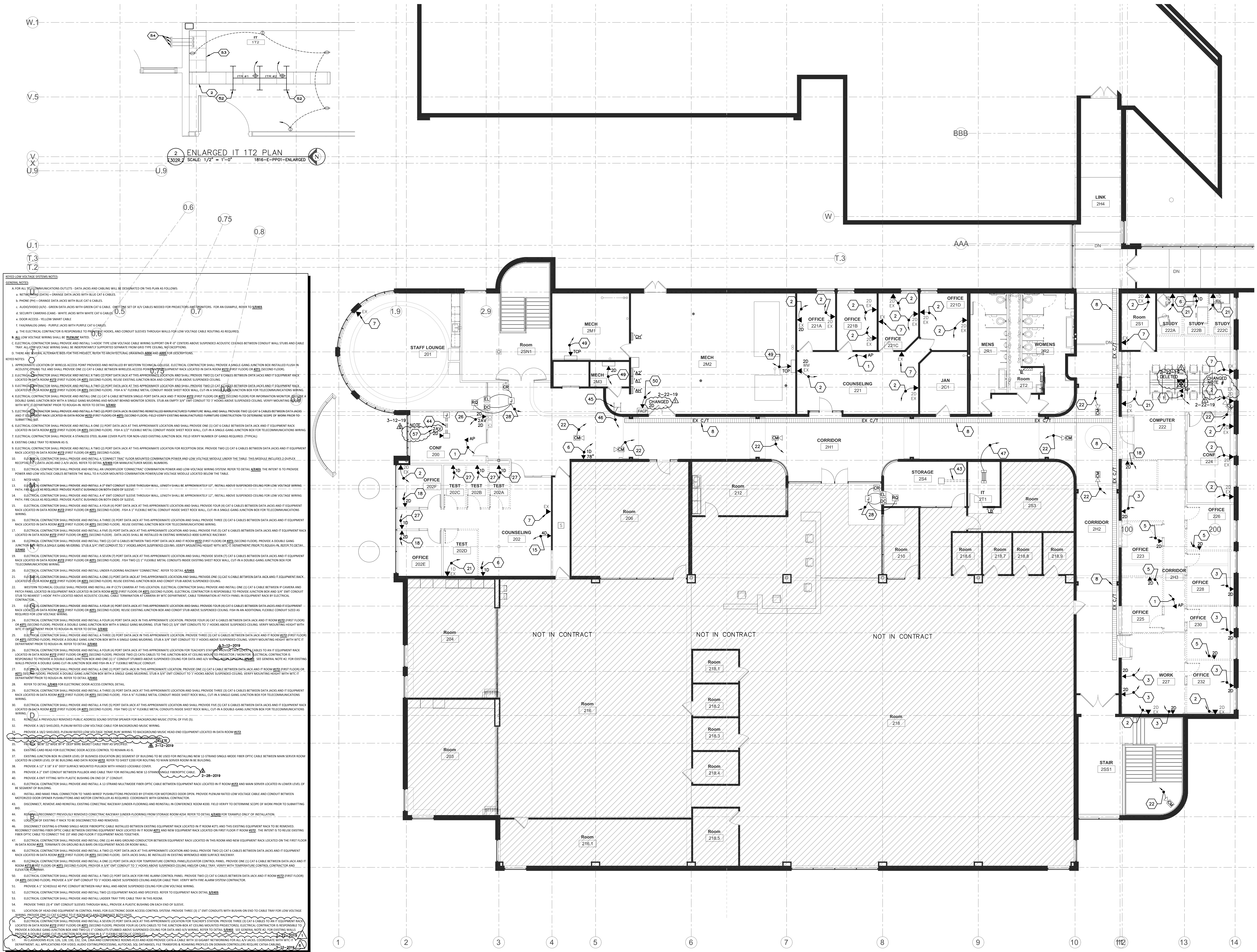
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1816-E-LV02

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ENLARGED IT 12 PLAN

SCALE: 1/2" = 1'-0" 1816-E-PP01-ENLARGED

SECOND FLOOR LOW VOLTAGE PLAN

SCALE: 1/8" = 1'-0" 1816-E-LV02

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