

SHERIDAN HIGH SCHOOL - FACS RENOVATION

1056 LONG DR.
SHERIDAN, WY 82801

100% CDs

3-22-2024

PROJECT LOCATION



ALTERNATES:

- LVT FLOORING

OWNER: SHERIDAN COUNTY SCHOOL DISTRICT #2
 OWNERS REP: TROY DECKER
 PROJECT SCOPE: SECOND STORY RESTROOM ADDITION. INCLUDING PLUMBING, ELECTRICAL AND MECHANICAL ALTERATIONS
 CONSTRUCTION TYPE: II-B EXISTING
 OCCUPANCY: E
 SPRINKLED: YES
 NUMBER OF STORIES: 2

PROJECT TEAM

OWNER

SHERIDAN COUNTY SCHOOL DISTRICT #2
201 N. CONNOR, STE. 100.
SHERIDAN, WY 82801
307-674-7405

CONTACT: TROY DECKER
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MECHANICAL & PLUMBING ENGINEER

ASSOCIATED CONSTRUCTION ENGINEERING, LLC
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CONTACT: MONTE ROMA
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ELECTRICAL ENGINEER

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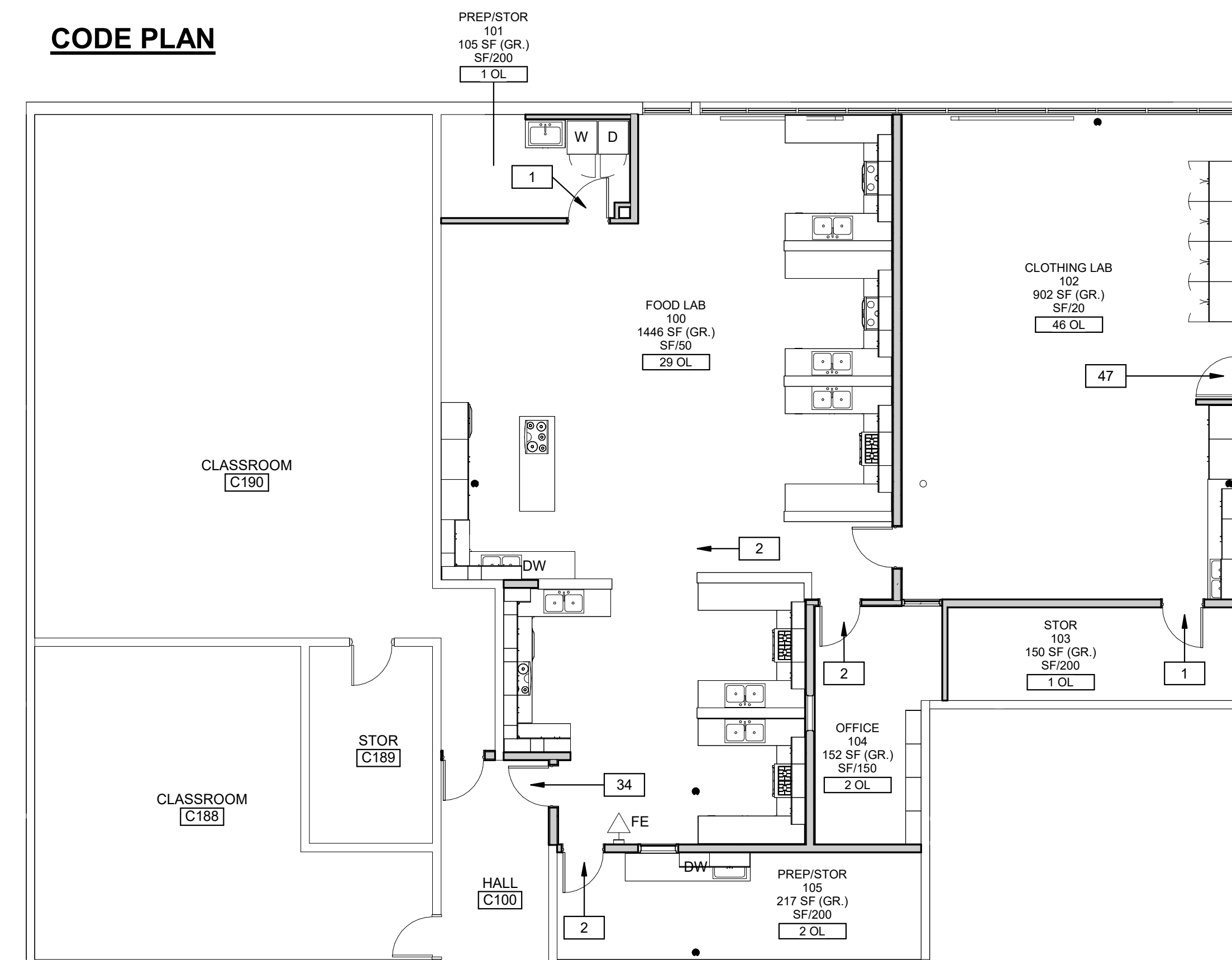
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BHILL@ACEMT.COM



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CODE PLAN



CODE NOTES

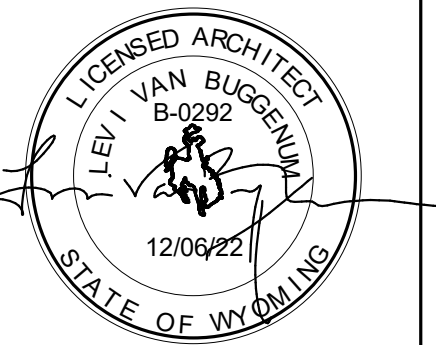
- IEBC 2021 - LEVEL 2 ALTERATION (LESS THAN 50% AREA)
- BUILDING OCCUPANT LOAD IS NOT CHANGED
- BUILDING EGRESS IS NOT CHANGED
- FIRE SEPARATIONS ARE NOT CHANGED



ARETE DESIGN GROUP

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REVISIONS		
NO.	DESCRIPTION	DATE

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ISSUE:
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DEMO PLAN - FACS

GENERAL DEMOLITION PLAN NOTES

- PRESERVE AND PROTECT ALL AREAS NOT SCHEDULED TO RECEIVE NEW WORK. WHERE DAMAGE OCCURS TO AREAS NOT SCHEDULED TO RECEIVE NEW WORK, DAMAGED AREAS/ITEMS/DEVICES SHALL BE REPAIRED/REPLACED BACK TO ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- DIMENSIONS AND QUANTITIES ARE APPROXIMATE AND SHOWN FOR GENERAL INFORMATION ONLY. CONTRACTOR IS RESPONSIBLE TO FIELD MEASURE AND VERIFY EXISTING CONDITIONS.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DISPOSE OF ALL DEMOLISHED ITEMS, UNLESS NOTED TO BE SALVAGED, IN A PROPER MANNER ACCORDING TO THE LOCAL AND FEDERAL REGULATIONS.
- OWNER HAS FIRST RIGHT OF REFUSAL FOR ALL MATERIALS AND FINISHES. CONTRACTOR SHALL VERIFY WITH OWNER PRIOR TO COMMENCEMENT OF DEMOLITION.
- IT IS THE CONTRACTORS RESPONSIBILITY TO BECOME FAMILIARIZED WITH PROJECT AND EXISTING CONDITIONS PRIOR TO SUBMITTING BID AND/OR PERFORMING ANY WORK.
- THIS SHEET REPRESENTS CONDITIONS AS OBSERVED IN THE FIELD. ANY DISCOVERIES NOT DOCUMENTED HEREIN SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO DEMOLITION AT THESE LOCATIONS FOR VERIFICATION.
- DASHED LINES REPRESENT ALL ITEMS TO BE DEMOLISHED.

GENERAL NOTES - CEILING DEMO

- DEMOLITION ACTIVITIES ARE NOT TO ADVERSELY IMPACT THE ADJACENT OCCUPIED SPACES, INCLUDING BUT NOT LIMITED TO FLOORS ABOVE OR BELOW. CONSTRUCTION RELATED ACTIVITIES THAT MIGHT AFFECT ADJACENT AREAS ARE TO BE COORDINATED WITH THE OWNER AND APPROVED BEFORE ANY WORK IS STARTED.
- EXISTING BUILDING COMPONENTS INDICATED BY AND WITHIN DASHED LINES TO BE COMPLETELY REMOVED & DISPOSED OF, INCLUDING, BUT NOT LIMITED TO: PARTITIONS, FLOOR FINISHES, CEILINGS, DOOR FRAMES, WINDOWS, CASEWORK, EQUIPMENT, PLUMBING FIXTURES, MECHANICAL & ELECTRICAL DEVICES - ALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED & DISPOSED OF PER ALL APPLICABLE CODES & ORDINANCES. RE: M/E/P DEMO PLANS FOR SPECIFIC INSTRUCTIONS ON REMOVAL, CAPPING/ ABANDONMENT OF PIPES, CONDUIT, DUCTS, ETC.
- DEMOLITION PLANS & NOTES ADDRESS SCOPE AREAS ONLY. MINOR CUTTING & PATCHING SHALL BE ACCOMPLISHED AS REQ'D IN DIVISION 1, EXECUTION 017300 "CUTTING AND PATCHING." SPECIFIC WORK NOTES ON DEMOLITION PLAN SHEETS ARE FOR SPECIAL CONDITIONS, ARE INTENDED AS AN AID TO THE CONTRACTOR IN ASSESSING THE SCOPE OF DEMOLITION WORK, AND DO NOT NECESSARILY ENCOMPASS ALL FIELD CONDITIONS. THE CONTRACTOR SHALL BE THOROUGHLY FAMILIAR W/ ALL FIELD CONDITIONS AFFECTING THE WORK, INCLUDING AREAS BOTH WITHIN & OUTSIDE THE CONTRACT LIMIT.
- ALL EXISTING ITEMS TO REMAIN SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF DAMAGE IN A MANNER SUITABLE TO OWNER. CONTRACTOR TO THOROUGHLY PHOTOGRAPH, FOR THE OWNER, THE EXISTING CONDITIONS BEFORE CONSTRUCTION COMMENCES.
- ALL EXISTING FIREPROOFING/FIRE PROTECTION SYSTEMS AND FIRE ALARM SYSTEMS NOT SCHEDULED FOR WORK, ARE TO BE PROTECTED DURING DEMOLITION, UNO.
- DRAWINGS ATTEMPT TO SHOW ALL FIXTURES, FURNISHING, EQUIPMENT AND MECHANICAL EQUIPMENT TO BE REMOVED. HOWEVER, EXACT CONDITIONS MUST BE FIELD VERIFIED.
- PROTECT, REMOVE OR REPLACE ALL EXISTING MOUNTED DEVICES DISTURBED BY THE REPLACEMENT OF CEILING TILES. RECONFIGURE EXISTING DEVICES AS NECESSARY TO INSTALL NEW WORK.
- PROTECT & PRESERVE ALL SPRINKLER COMPONENTS NOT SCHEDULED TO RECEIVE WORK.

GENERAL WORK NOTES

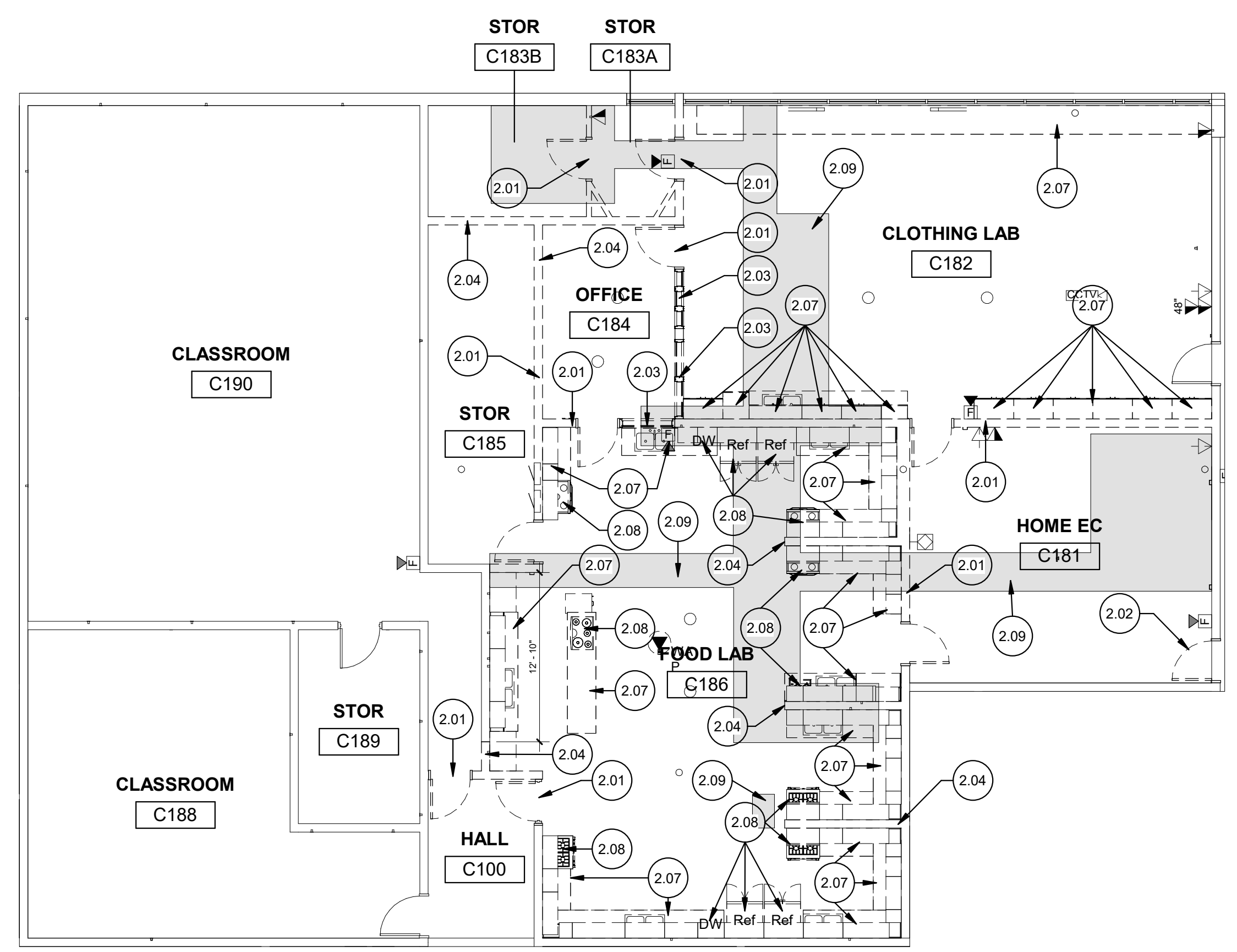
- REMOVE & REPLACE CEILING TILES & GRIDS AS REQUIRED TO INSTALL NEW WORK.
- PATCH ALL ABANDONED FLOOR & WALL PENETRATIONS AS A RESULT OF DEMOLITION ACTIVITIES.
- PROTECT & PRESERVE EXISTING HOLLOW METAL WINDOWS AND DOORS, (SAND, PATCH & REPAIR)

LEGEND - CEILING DEMO

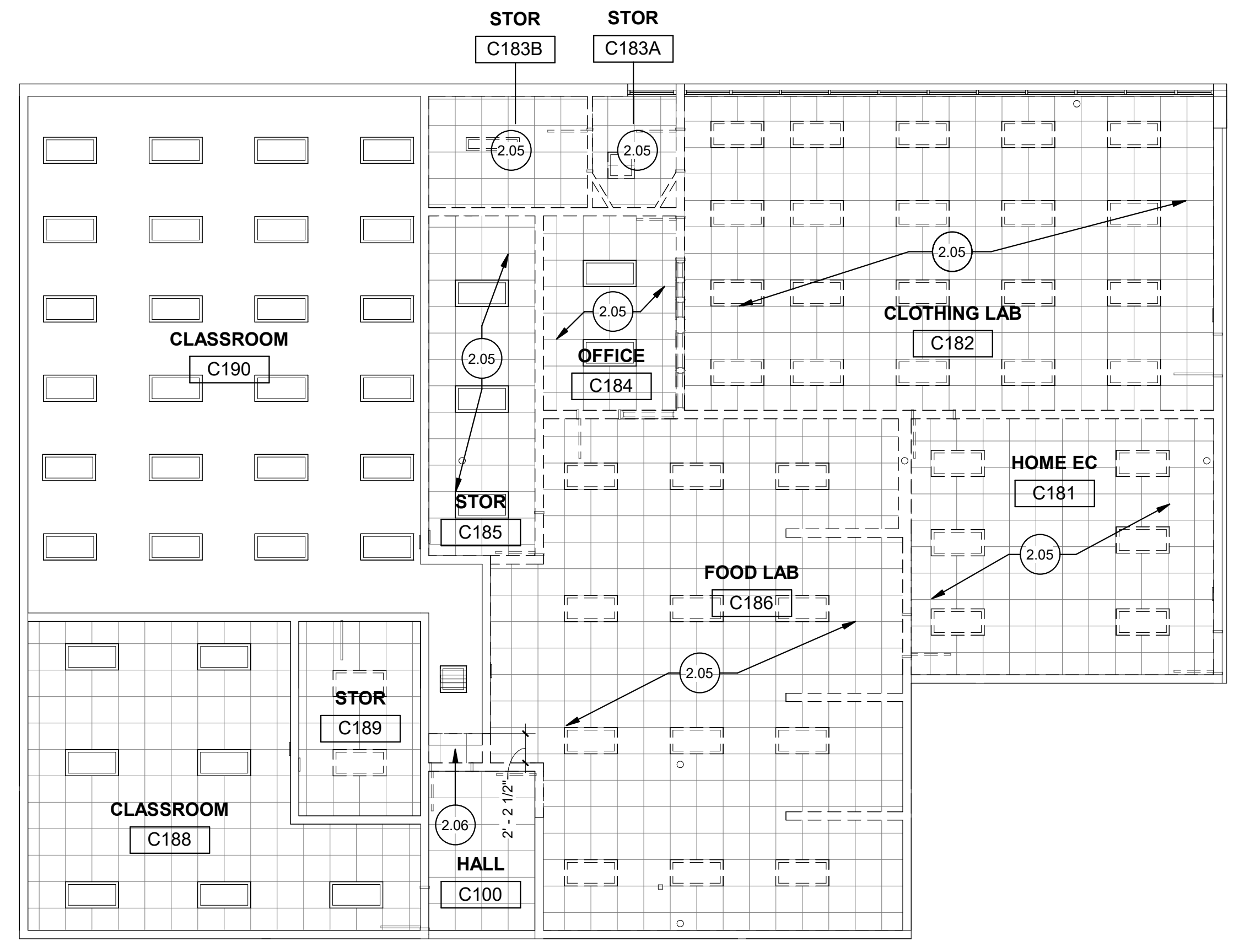
■ REMOVED AND DISPOSE OF CEILING TILES AND GRID. PROTECT AND PRESERVE SUPPORT WIRES AS DEEMED SALVAGEABLE.

KEYNOTES

- 2.01 REMOVE AND DISPOSE OF EXISTING WALL, DOOR, FRAME, AND ALL ASSOCIATED HARDWARE. PREPARE EXPOSED SURFACES TO RECEIVE NEW WORK.
- 2.02 REMOVE AND DISPOSE OF EXISTING DOOR, FRAME, AND ALL ASSOCIATED HARDWARE. PREPARE OPENING TO RECEIVE NEW WORK.
- 2.03 REMOVE AND DISPOSE OF WINDOW IN ITS ENTIRETY.
- 2.04 REMOVE AND DISPOSE OF EXISTING WALL LEAVING NO EVIDENCE OF DEMOLITION EFFORTS.
- 2.05 REMOVE AND DISPOSE OF EXISTING APC LEAVING NO EVIDENCE OR DEMOLITION EFFORTS.
- 2.06 REMOVE AND DISPOSE OF EXISTING APC TO NEW WALL LOCATIONS, LEAVING ADJACENT CEILING INTACT. REPAIR CEILING TO REMAIN TO MATCH EXISTING.
- 2.07 REMOVE AND DISPOSE OF CASEWORK, COUNTERTOPS AND ALL ASSOCIATED HARDWARE.
- 2.08 REMOVE AND SALVAGE TO OWNER ALL APPLIANCES.
- 2.09 SAWCUT CONCRETE & REMOVE FOR PLUMBING & ELECTRICAL WORK.

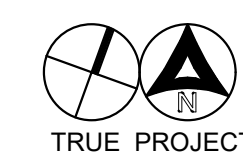
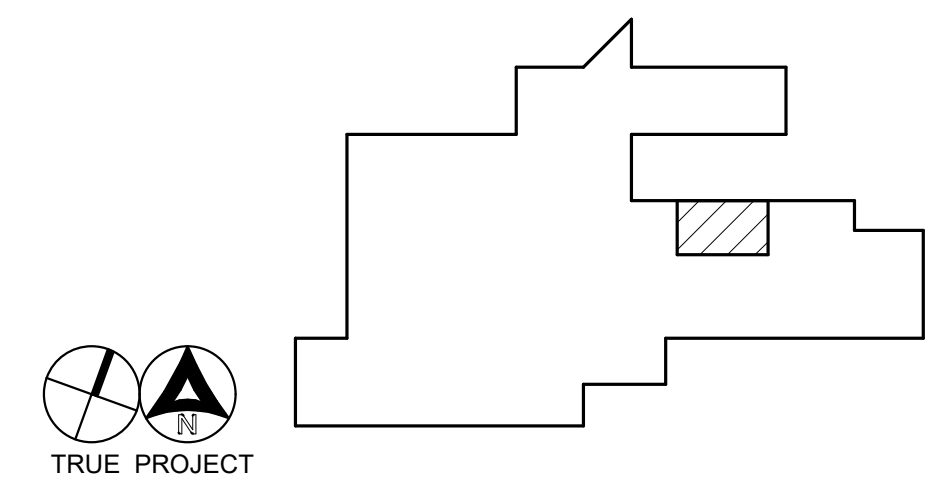


1 DEMO PLAN - FACS
A101 SCALE: 1/8" = 1'-0"



2 DEMO RCP - FACS
A101 SCALE: 1/8" = 1'-0"

KEY PLAN



SHERIDAN HIGH SCHOOL - FACS RENOVATION

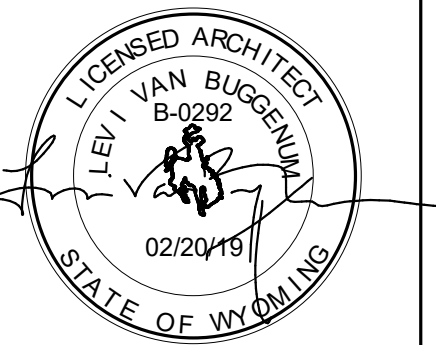
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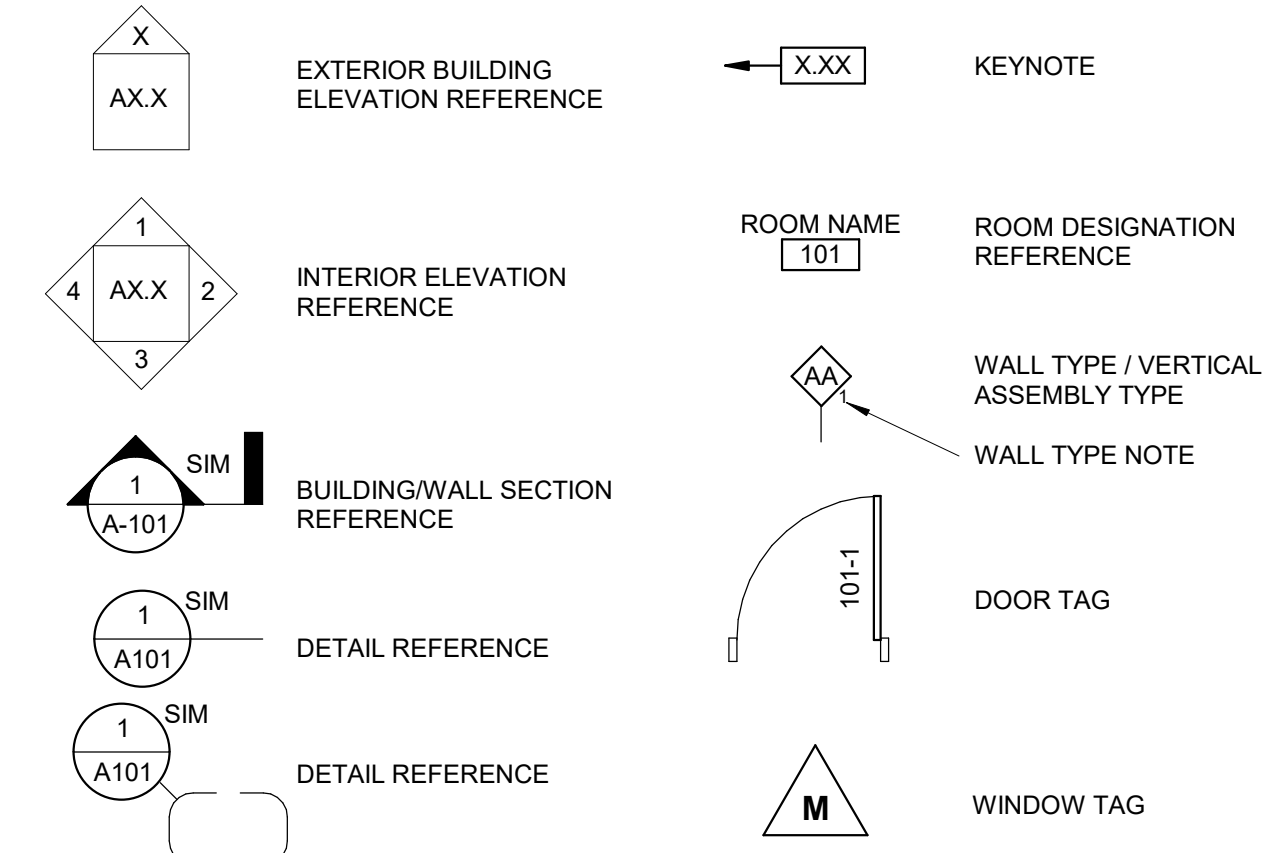
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GENERAL RENOVATION FLOOR PLAN NOTES

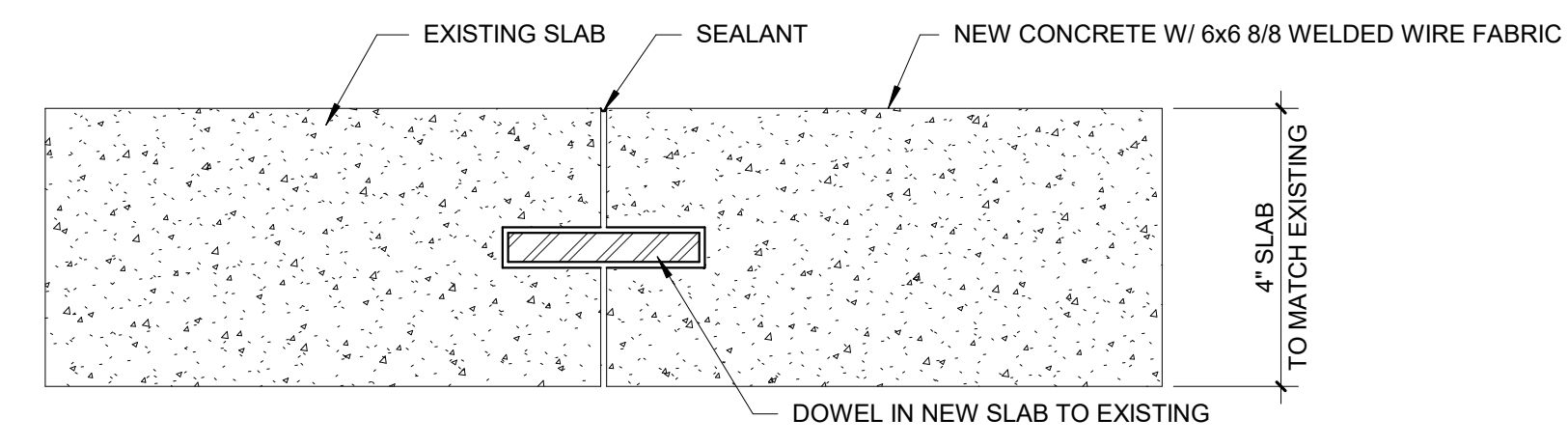
- 1. THESE DRAWINGS REPRESENT A COMBINATION OF RECORD DRAWINGS AND PHYSICAL FIELD VERIFICATION. NOT ALL EXISTING CONDITIONS MAY BE REPRESENTED. REGARDLESS OF THE DIRECTION GIVEN HEREIN, IT IS STILL THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE SITE CONDITIONS AND ITEMS INVOLVING THEIR RESPECTIVE TRADES PRIOR TO BIDDING AND INSTALLATION. ANY DISCOVERIES NOT DOCUMENTED HEREIN SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO DEMOLITION AT THESE LOCATIONS FOR VERIFICATION.
- 2. PRESERVE AND PROTECT ALL AREAS NOT SCHEDULED TO RECEIVE NEW WORK. WHERE DAMAGE OCCURS TO AREAS NOT SCHEDULED TO RECEIVE NEW WORK, DAMAGED AREAS/ITEMS/DEVICES SHALL BE REPAIRED/REPLACED BACK TO ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- 3. SHADED AND BOLDDED ITEMS INDICATE NEW ITEMS TO BE INSTALLED.
- 4. PATCH AND REPAIR ALL DAMAGE AND HOLES LEFT BEHIND CAUSED BY MECHANICAL, ELECTRICAL, OR PLUMBING DEMOLITION. REMOVE EVIDENCE OF PREVIOUS CONDITION.
- 5. PROVIDE TEMPORARY ATMOSPHERIC SEPARATION AND DUST PARTITIONS BETWEEN AREA OF WORK AND ADJACENT FINISHED SPACES.
- 6. ALL JOINTS BETWEEN EXISTING TO REMAIN. CONSTRUCTION AND NEW CONSTRUCTION SHALL BE BLENDED AND MADE TO MATCH ONE ANOTHER TO REMOVE EVIDENCE OF JOINT.

FLOOR PLAN SYMBOL LEGEND



KEYNOTES

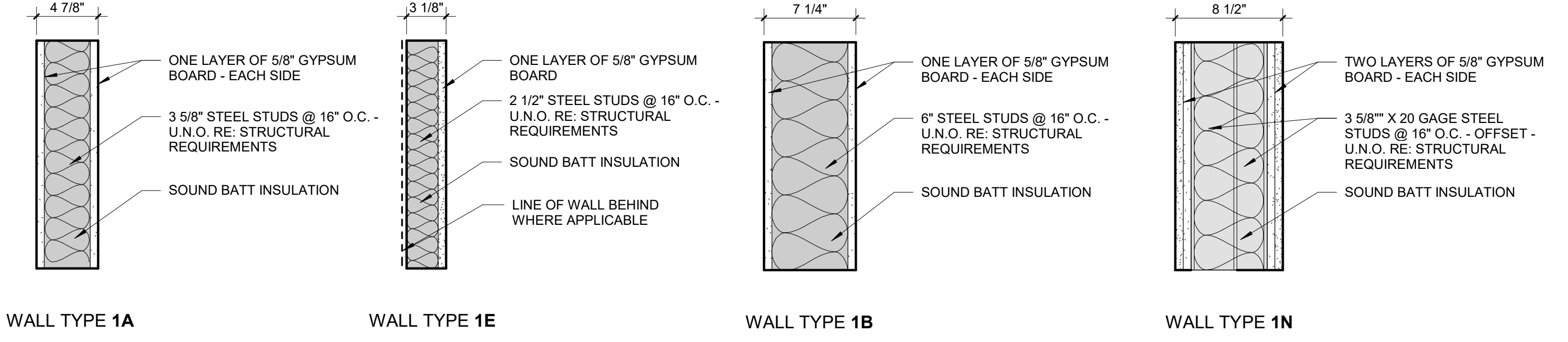
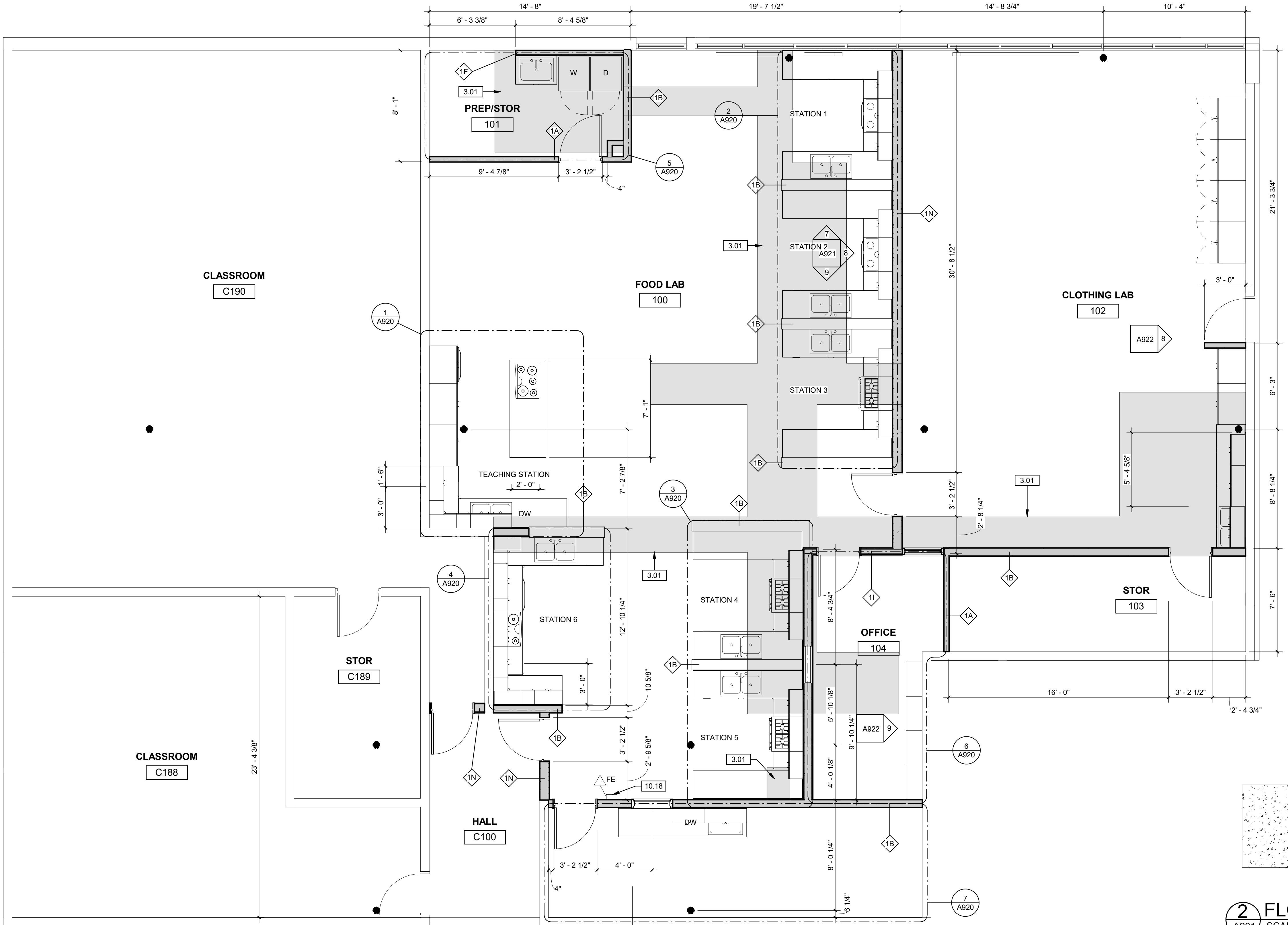
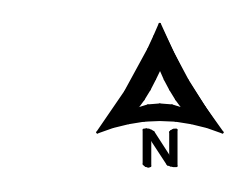
- 3.01 PATCH CONCRETE WHERE REMOVED. SEE DETAIL 2/A201.
- 10.18 INSTALL FIRE EXTINGUISHER & CABINET.



2 FLOOR SLAB REPLACEMENT DETAIL A201 SCALE: 3" = 1'-0"

1 RENOVATION PLAN - FACS

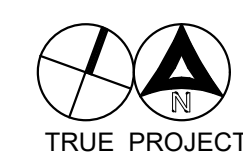
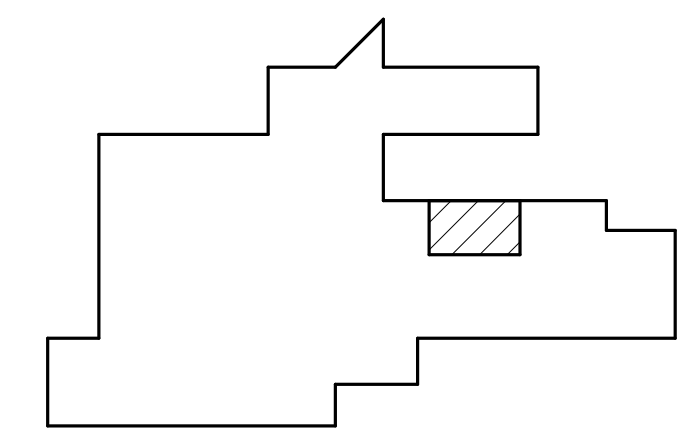
A201 SCALE: 1/4" = 1'-0"



INTERIOR WALLS

SCALE: 1 1/2" = 1'-0"

KEY PLAN



REVISIONS

NO.	DESCRIPTION	DATE

PROJECT NUMBER: 2023-70

DATE: 3-22-2024

ISSUE: 100% CDs

RENOVATION PLAN - FACS

A201

NO.	DESCRIPTION	DATE

PROJECT NUMBER:
2023-70

DATE:
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ISSUE:
100% CDs

EQUIPMENT & FURNITURE PLAN - FACS

A202

GENERAL RENOVATION FLOOR PLAN NOTES

- THESE DRAWINGS REPRESENT A COMBINATION OF RECORD DRAWINGS AND PHYSICAL FIELD VERIFICATION. NOT ALL EXISTING CONDITIONS MAY BE REPRESENTED. REGARDLESS OF THE DIRECTION GIVEN HEREIN, IT IS STILL THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE SITE CONDITIONS AND ITEMS INVOLVING THEIR RESPECTIVE TRADES PRIOR TO BIDDING AND INSTALLATION. ANY DISCOVERIES NOT DOCUMENTED HEREIN SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO DEMOLITION AT THESE LOCATIONS FOR VERIFICATION.
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- SHADED AND BOLDED ITEMS INDICATE NEW ITEMS TO BE INSTALLED.
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- PROVIDE TEMPORARY ATMOSPHERIC SEPARATION AND DUST PARTITIONS BETWEEN AREA OF WORK AND ADJACENT FINISHED SPACES.
- ALL JOINTS BETWEEN EXISTING TO REMAIN. CONSTRUCTION AND NEW CONSTRUCTION SHALL BE BLENDED AND MADE TO MATCH ONE ANOTHER TO REMOVE EVIDENCE OF JOINT.

FLOOR PLAN SYMBOL LEGEND

EXTERIOR BUILDING ELEVATION REFERENCE KEYNOTE

INTERIOR ELEVATION REFERENCE ROOM NAME ROOM DESIGNATION REFERENCE

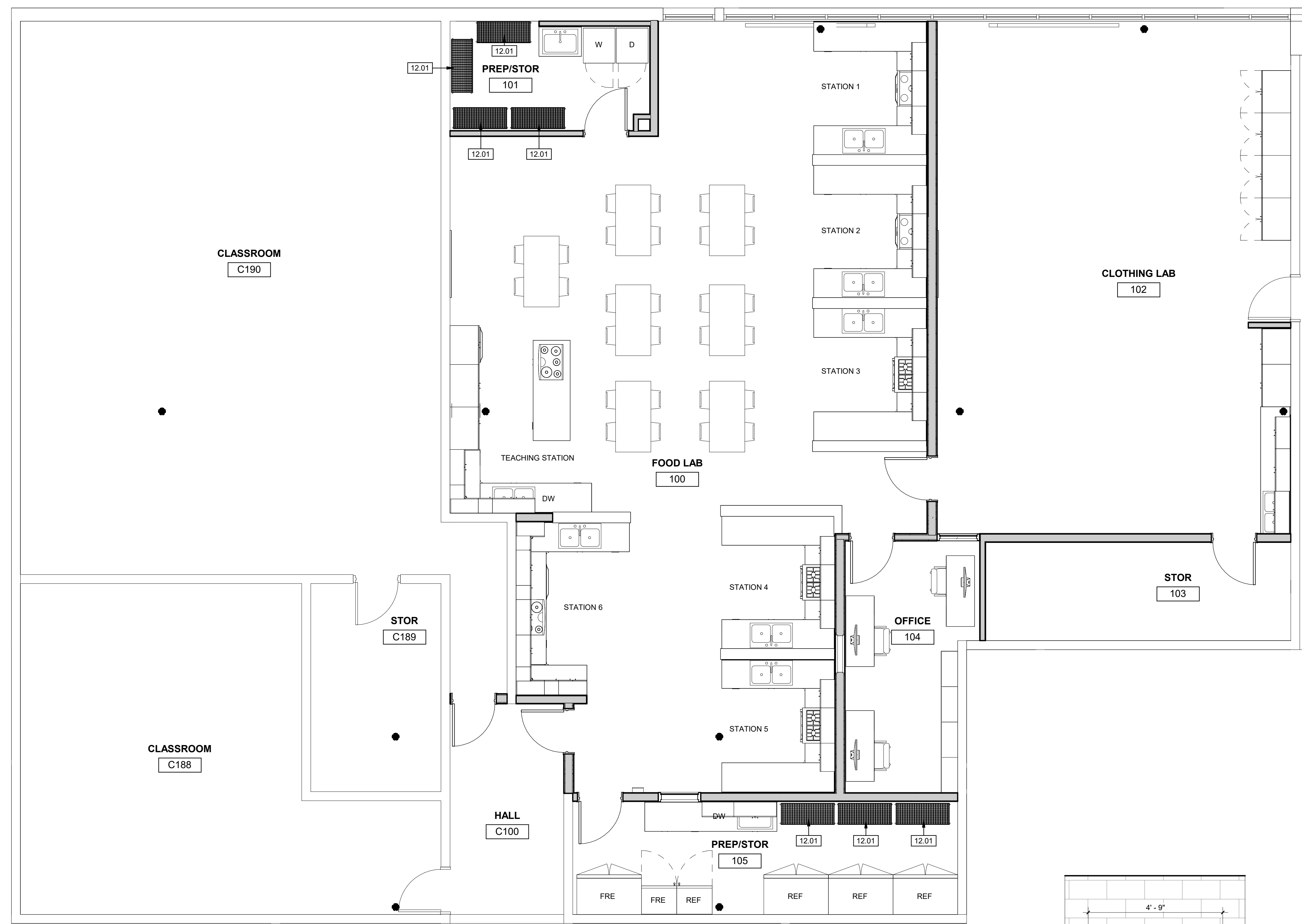
BUILDING/WALL SECTION REFERENCE WALL TYPE / VERTICAL ASSEMBLY TYPE

DETAIL REFERENCE DOOR TAG

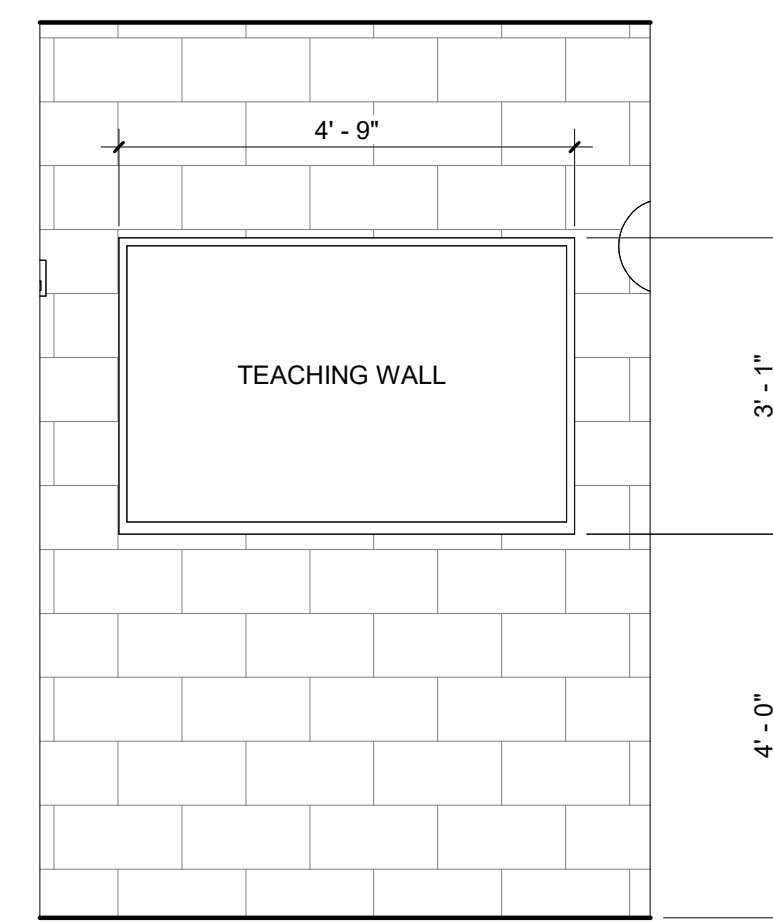
DETAIL REFERENCE WINDOW TAG

KEYNOTES

12.01 REUSE EXISTING SHELVING.

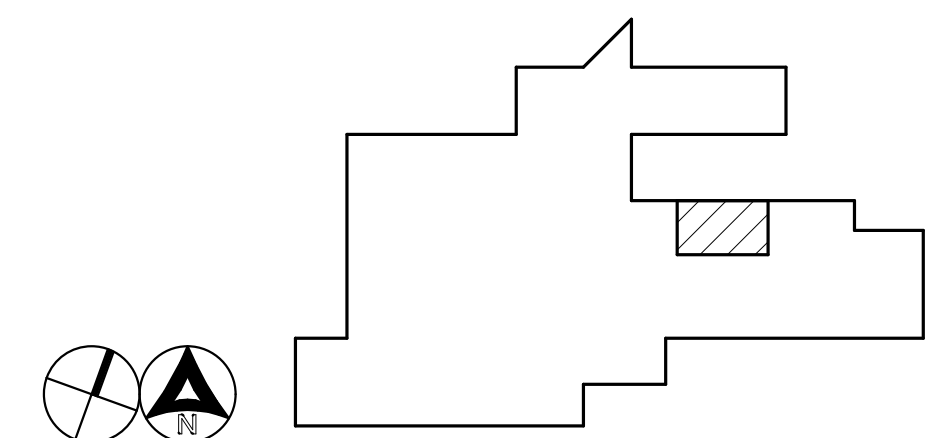


1 EQUIPMENT & FURNITURE PLAN - FACS
A202 SCALE: 1/4" = 1'-0"



2 TEACHING WALL ELEVATION
A202 SCALE: 1/2" = 1'-0"

KEY PLAN



GENERAL RENOVATION RCP NOTES

1. CENTER CEILING GRIDS IN ROOMS TYPICALLY AS SHOWN EXCEPT WHERE DIMENSIONS ARE PROVIDED
2. CENTER FIXTURES AND EQUIPMENTS IN ROOMS IN CEILING TILE OR IN HALF TILES OR IN SOFFITS AS SHOWN
3. PROVIDE ACCESS PANELS WHERE REQUIRED TO PROVIDE ACCESS TO EQUIPMENT. RE: MECH/ELEC AND SPECIFICATIONS. COORDINATE LOCATIONS W/ ARCHITECT PRIOR TO BEGINNING WORK.
4. UNLESS PREFINISHED TO MATCH ADJACENT SURFACE, PAINT MECHANICAL GRILLES, DIFFUSERS, ACCESS PANELS AND OTHER EQUIPMENT, TYP.
5. PARTITIONS GO TO UNDERSIDE OF DECK TYP. UON.

CEILING PLAN LEGEND

- FINISH
- HEIGHT
- NOTES

FINISH ABBREVIATIONS:

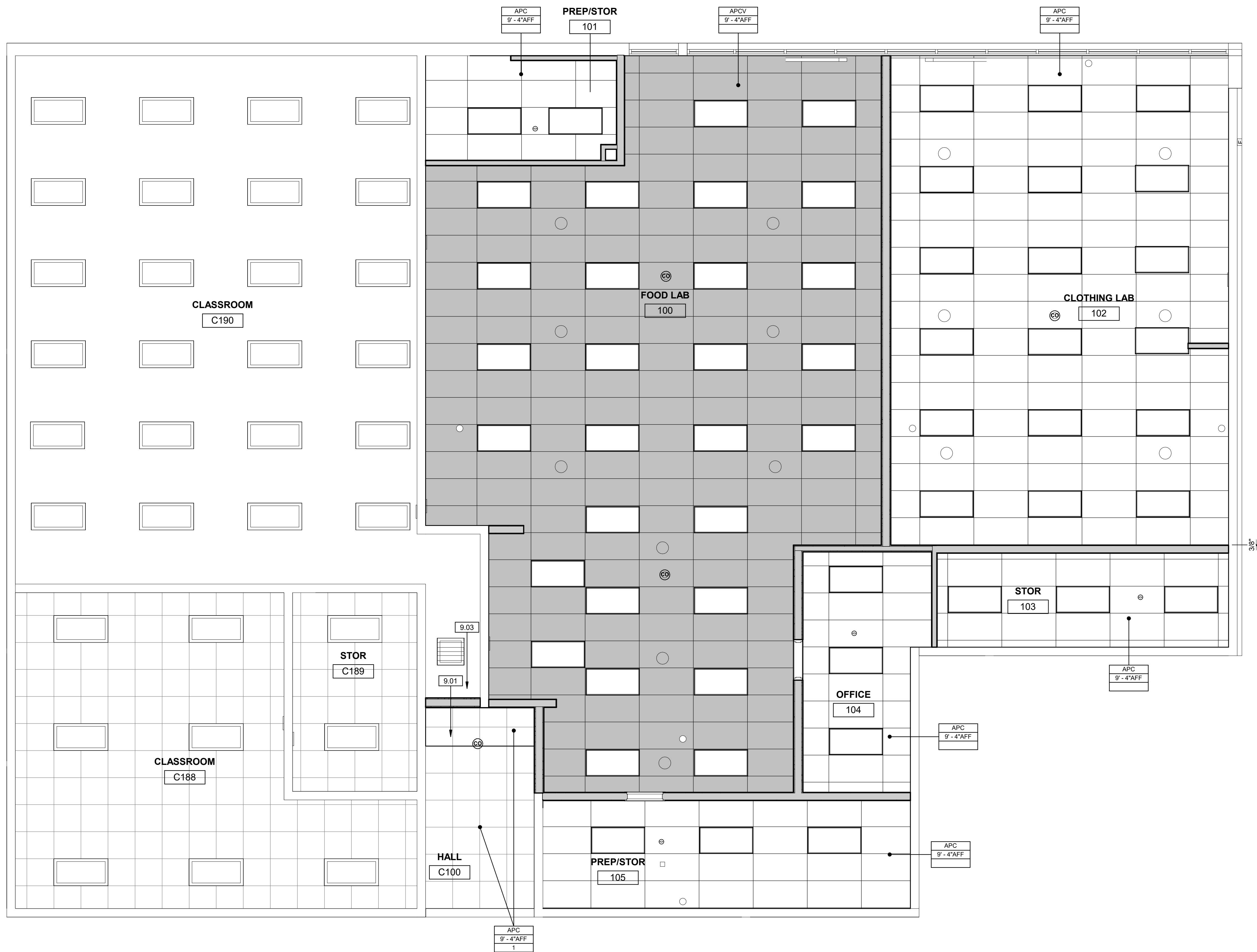
- GYP: ONE LAYER OF GYPSUM BOARD
- APC: 2' x 4' ACOUSTICAL PANEL CEILING
- OPEN: OPEN TO STRUCTURE
- APCV: 2' x 4' ACOUSTICAL PANEL CEILING - VINYL COATED

NOTES:

1. EXISTING TO REMAIN. PATCH GRID & TILES AT NEW WALL.

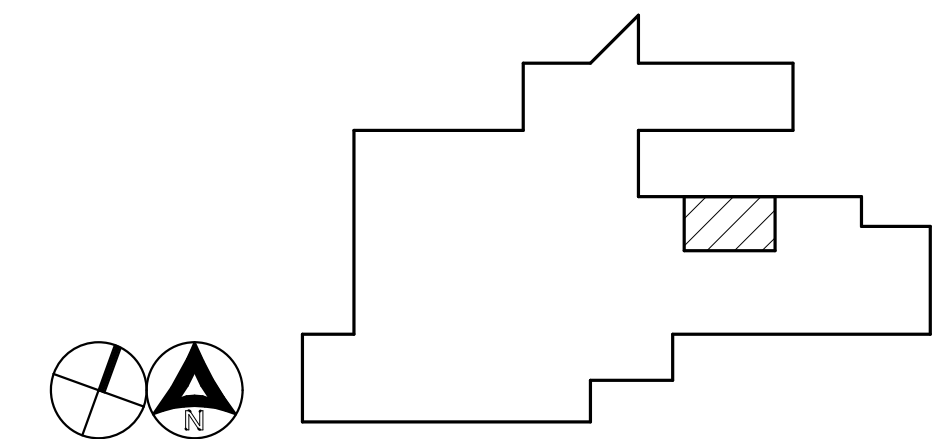
KEYNOTES

- 9.01 REPLACE APC AND GRID TO MATCH EXISTING AT NEW AREA IN ROOM.
- 9.03 TRIM EXISTING GRID & TILES FOR NEW WALL LOCATION.



1 RENOVATION RCP - FACS
A301 SCALE: 1/4" = 1'-0"

KEY PLAN



REVISIONS

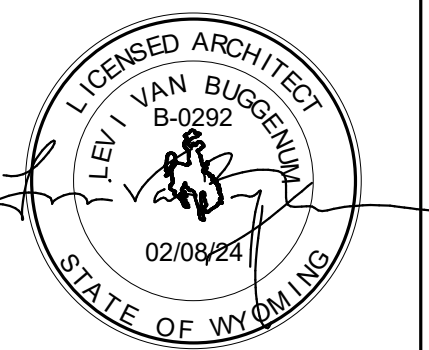
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RENO RCP - FACS



GENERAL DOOR NOTES

1. GLAZING DIMENSIONS ARE TO THE FACE OF VISIBLE GLAZING, UNO.
2. RE: DOOR SCHEDULE FOR DOOR LEAF DIMENSIONS.

MATERIAL ABBREVIATIONS

- 1/4G 1/4" THICK FLOAT GLASS
- AL ALUMINUM
- HM HOLLOW METAL
- IG 1" THICK INSULATED GLASS
- IHM INSULATED HOLLOW METAL
- SCWD SOLID CORE WOOD
- T TEMPERED GLASS
- TP TRANSLUCENT PANEL

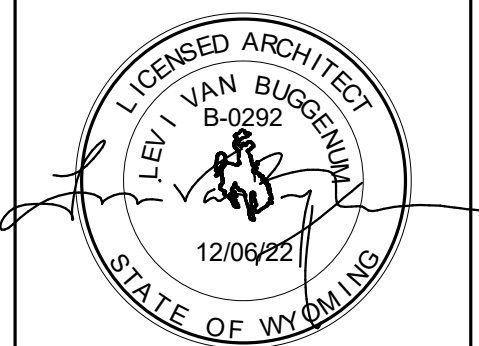
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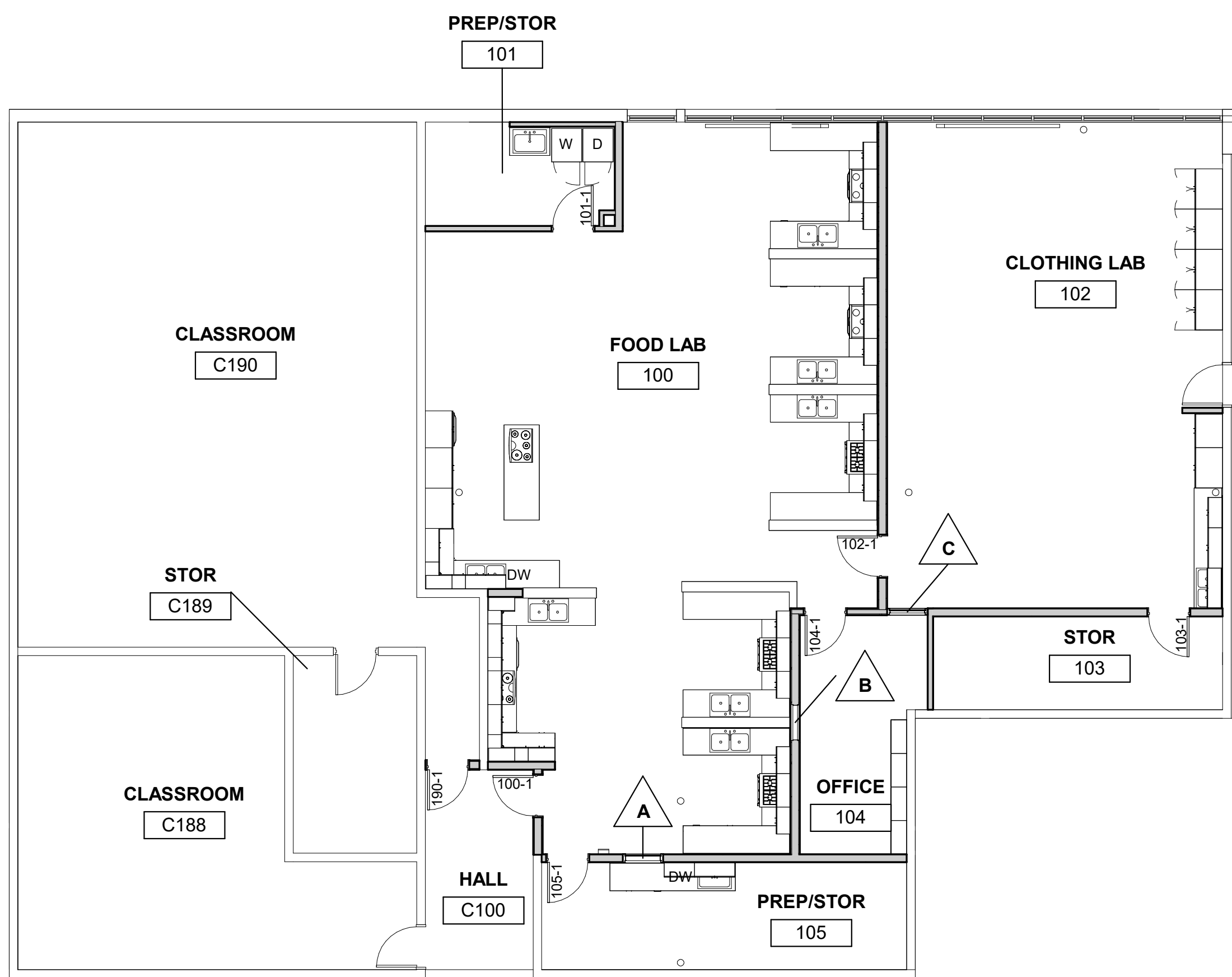
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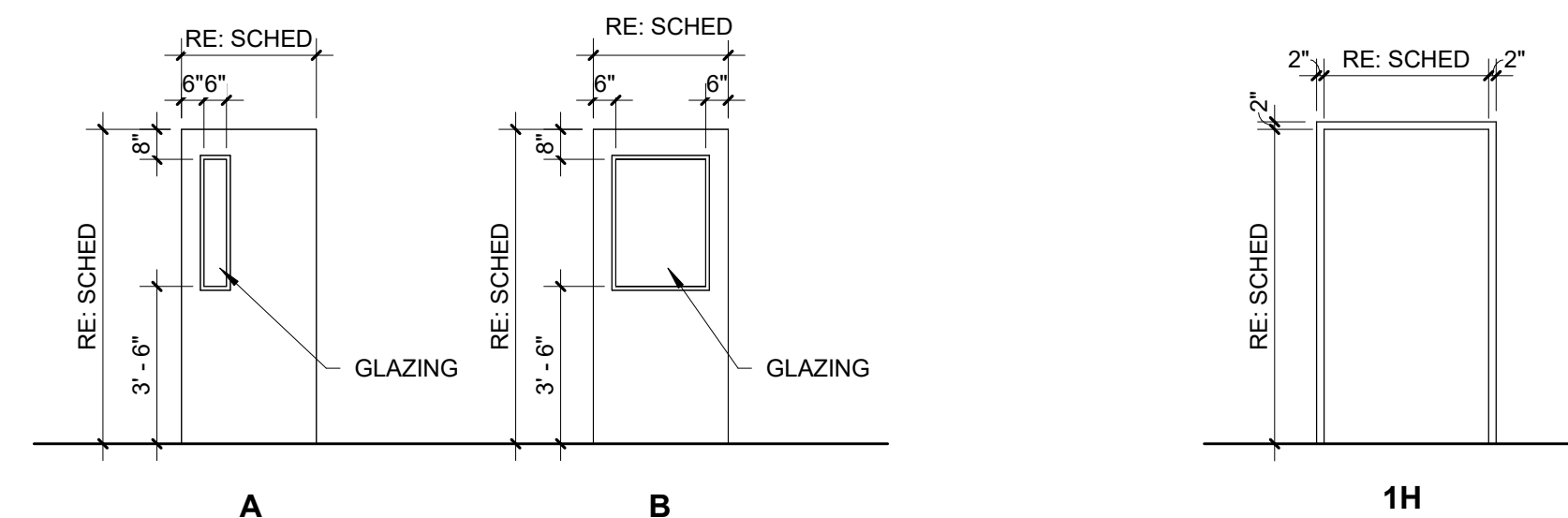
DOOR / WINDOW PLAN &
SCHEDULE

DOOR NO.	DOOR							FRAME					UL ASSEMBLY (MIN)	HARDWARE GROUP	NOTES		
	SIZE			LEAVE S	TYPE	MATERIAL	FINISH	GLASS	ELEVATION	MATERIAL	FINISH	HEAD				JAMB	SILL
WIDTH	HEIGHT	THICKNESS															
100-1	3' - 0"	7' - 0"	0' - 1 3/4"	SGL	A	SCW	CLEAR TO MATCH EXISTING	T 1/4	1H	HM	PT	H1	J1	S1	20	1	
101-1	3' - 0"	7' - 0"	0' - 1 3/4"	SGL	A	SCW	CLEAR TO MATCH EXISTING	T 1/4	1H	HM	PT	H1	J1	S1		2	
102-1	3' - 0"	7' - 0"	0' - 1 3/4"	SGL	B	SCW	CLEAR TO MATCH EXISTING	T 1/4	1H	HM	PT	H1	J1	S1		3	
103-1	3' - 0"	7' - 0"	0' - 1 3/4"	SGL	A	SCW	CLEAR TO MATCH EXISTING	T 1/4	1H	HM	PT	H1	J1	S1		2	
104-1	3' - 0"	7' - 0"	0' - 1 3/4"	SGL	B	SCW	CLEAR TO MATCH EXISTING	T 1/4	1H	HM	PT	H1	J1	S1		2	
105-1	3' - 0"	7' - 0"	0' - 1 3/4"	SGL	B	SCW	CLEAR TO MATCH EXISTING	T 1/4	1H	HM	PT	H1	J1	S1		2	
190-1	3' - 0"	7' - 0"	0' - 1 3/4"	SGL	A	SCW	CLEAR TO MATCH EXISTING	T 1/4	1H	HM	PT	H1	J1	S1	20	1	

TYPE	MARK	COUNT	WIDTH	HEIGHT	SILL HEIGHT	OPERATION	GLAZING	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	
36" HM WINDOW	A	1	3' - 0"	4' - 0"	3' - 6"	FIXED	1/4T	WH1/WJ1/WS1	WH1/WJ1/WS1	WH1/WJ1/WS1	
36" HM WINDOW	B	1	3' - 0"	4' - 0"	4' - 4"	FIXED	1/4T	WH2/WJ2/WS2	WH2/WJ2/WS2	WH2/WJ2/WS2	
HM WINDOW 3 INCH WALL WITH GYP 2	C	1	3' - 0"	4' - 0"	3' - 0"	FIXED	1/4T	WH2/WJ2/WS2	WH2/WJ2/WS2	WH2/WJ2/WS2	
Grand total:		3									

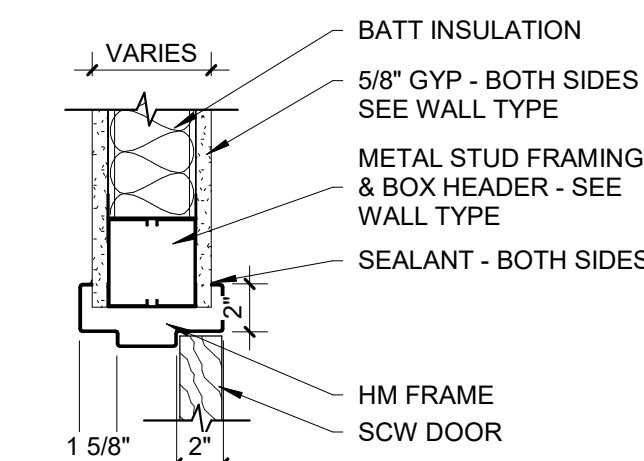


1 DOOR / WINDOW PLAN - FACS
SCALE: 1/8" = 1'-0"

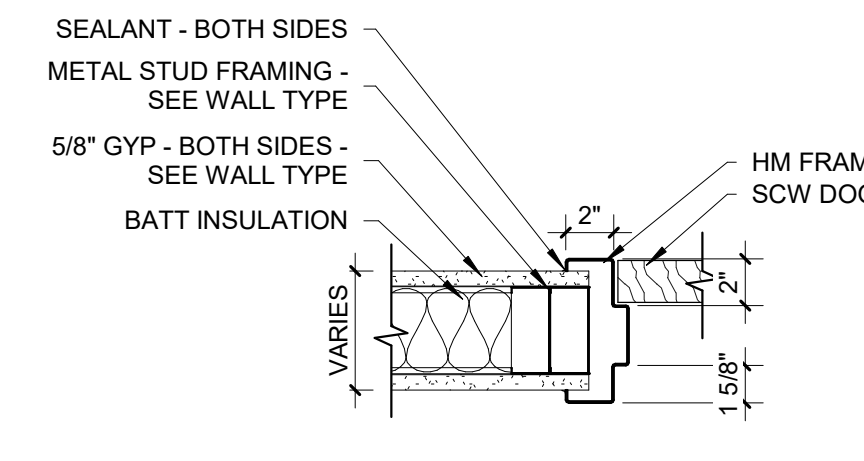


DOOR TYPES
SCALE: 1/4" = 1'-0"

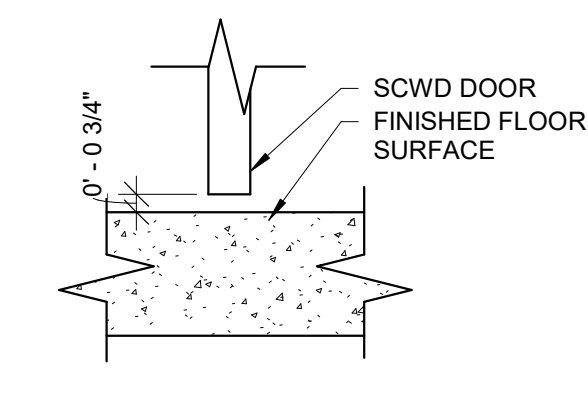
FRAME TYPES
SCALE: 1/4" = 1'-0"



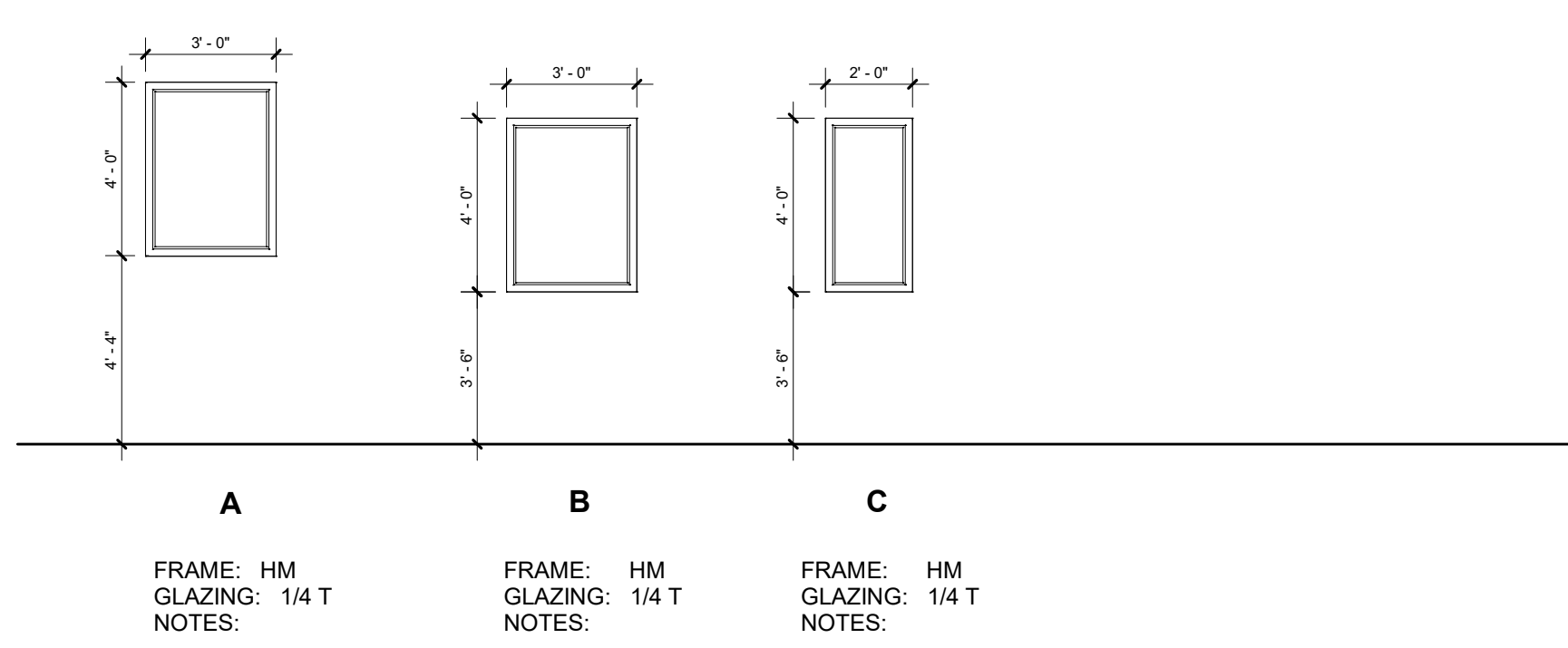
2 H1
SCALE: 1 1/2" = 1'-0"



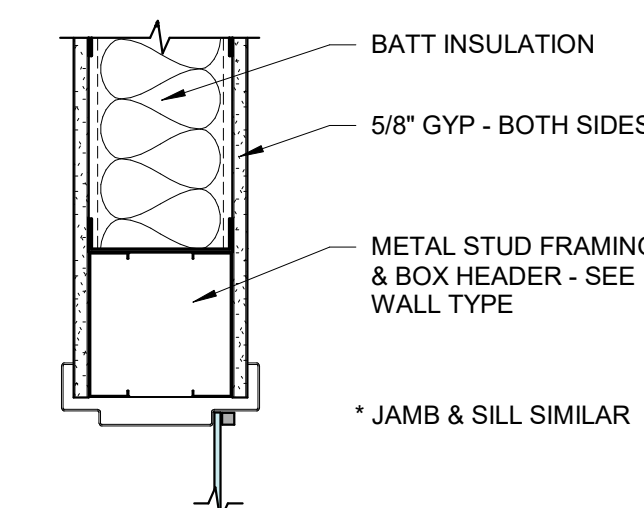
3 J1
SCALE: 1 1/2" = 1'-0"



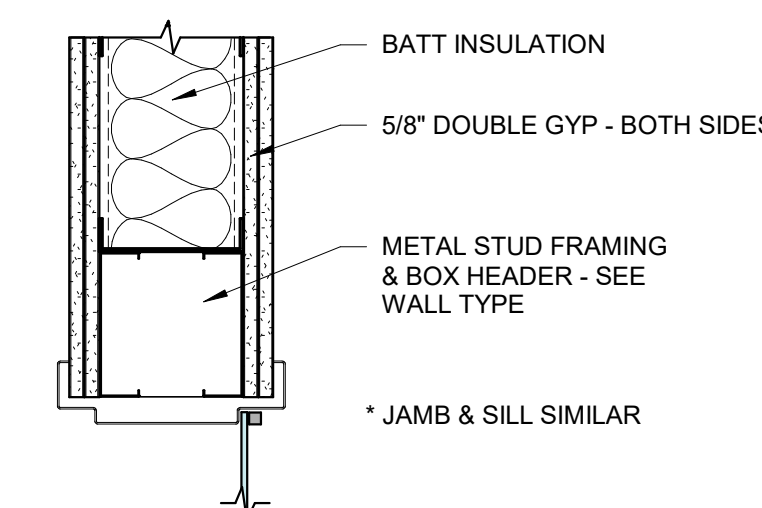
4 S1
SCALE: 1 1/2" = 1'-0"



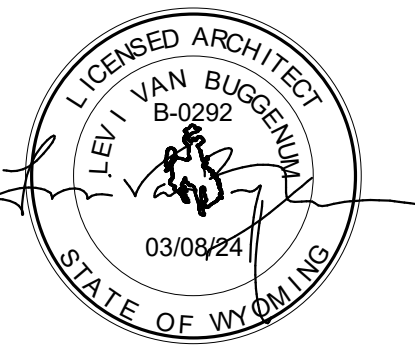
WINDOW TYPES
SCALE: 1/4" = 1'-0"



5 WH1/WJ1/WS1
SCALE: 1 1/2" = 1'-0"



6 WH2/WJ2/WS2
SCALE: 1 1/2" = 1'-0"



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FINISH PLAN

A901

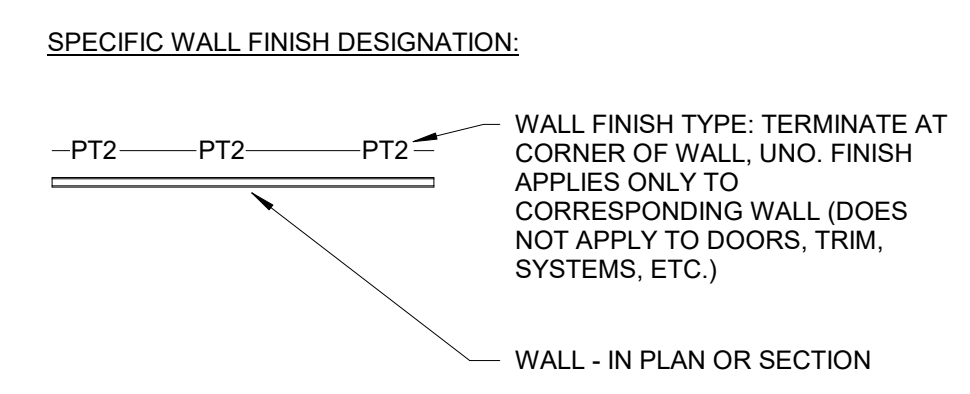
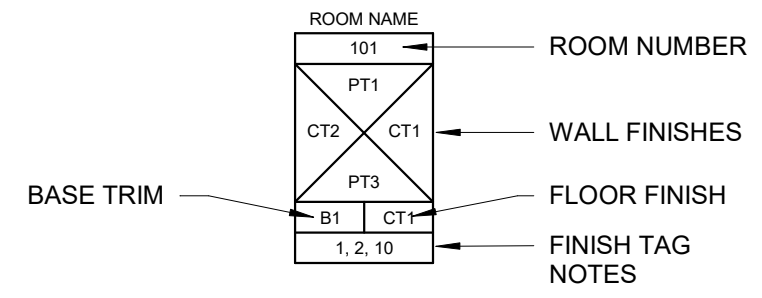
GENERAL FINISH NOTES

- 1 - TRANSITION ALL CERAMIC TILE TO CARPET AND SEALED CONCRETE TO CARPET AT THE CENTERLINE OF THE DOOR WITH TRANSITION STRIP.
- 2 - ALL PRODUCTS SHALL BE INSTALLED PER MANUFACTURER'S WRITTEN INSTRUCTIONS USING MANUFACTURER'S RECOMMENDED ADHESIVES, TOOLS, METHODS, ETC.
- 3 - SEE INTERIOR ELEVATIONS AND SCHEDULES FOR CASEWORK FINISHES. INSTALL RESILIENT BASE ON ALL TOE KICKS AND EXPOSED SIDES OF BASE CABINETS, UNO.
- 4 - SEE INTERIOR ELEVATIONS FOR ALL WALL FINISH PATTERNS AND LOCATIONS.
- 5 - SEE SPECIFICATIONS FOR PRODUCT INFORMATION AND REQUIREMENTS.
- 6 - LAYOUT ALL WALL AND FLOOR TILE SO ALL EDGES TERMINATE IN TILES THAT ARE MORE THAN HALF THE WIDTH OF THE OVERALL TILE WIDTH.
- 7 - WALL BASE SHALL BE 4" RESILIENT BASE AT ALL GYP BOARD WALLS, UNO.
- 8 - SEE SCHEDULES FOR COLORS OF IDENTIFIED FIELD AND ACCENT COLORS.
- 9 - CONTINUE CARPET UNDER CASEWORK AT KNEE SPACES OR WHERE CASEWORK DOES NOT CONTINUE TO THE FLOOR.
- 10 - RE: RCP FOR CEILING FINISHES AND HEIGHTS. GYP BOARD CEILINGS AND SOFFITS SHALL BE PT5, UNO. SEE RCP SHEET A-301 AND A-650 FOR ADDITIONAL INFORMATION ON PAINT COLORS OF SOFFITS AND CEILINGS.
- 11 - ALL INTERIOR HM FRAMES SHALL BE PT3, UNO.
- 12 - ALL INTERIOR PORTIONS OF HM DOORS SHALL BE PT4, UNO. ALL EXTERIOR PORTIONS OF IHM DOORS SHALL BE PT4.

FINISH PLAN NOTES

- 1 - SEE INTERIOR ELEVATIONS FOR ACCENT WALL TILE LAYOUT. WALL TILE SHALL CONTINUE FROM FLOOR TO CEILING. INSTALL CERAMIC TILE COVE BASE PER SPECIFICATIONS.
- 2 - FRP WALL COVERING ON ENTIRE LENGTH OF WALLS ADJOINING THE FLOOR SINK TO 4' - 0" AFF (SPEC: 066400).
- 3 - SEE INTERIOR ELEVATION FOR WRITABLE WALL SURFACE LOCATION ON SOUTH WALL (SPEC: 097200).
- 4 - PROVIDE 3/4" TH. A/C PLYWOOD PANELS ON ALL WALLS FROM FLOOR TO 8'-0" AFF IN IT ROOM A108 FOR MOUNTING OF EQUIPMENT. PAINT WALLS WITH FIRE RETARDANT PAINT - RE: E-301.

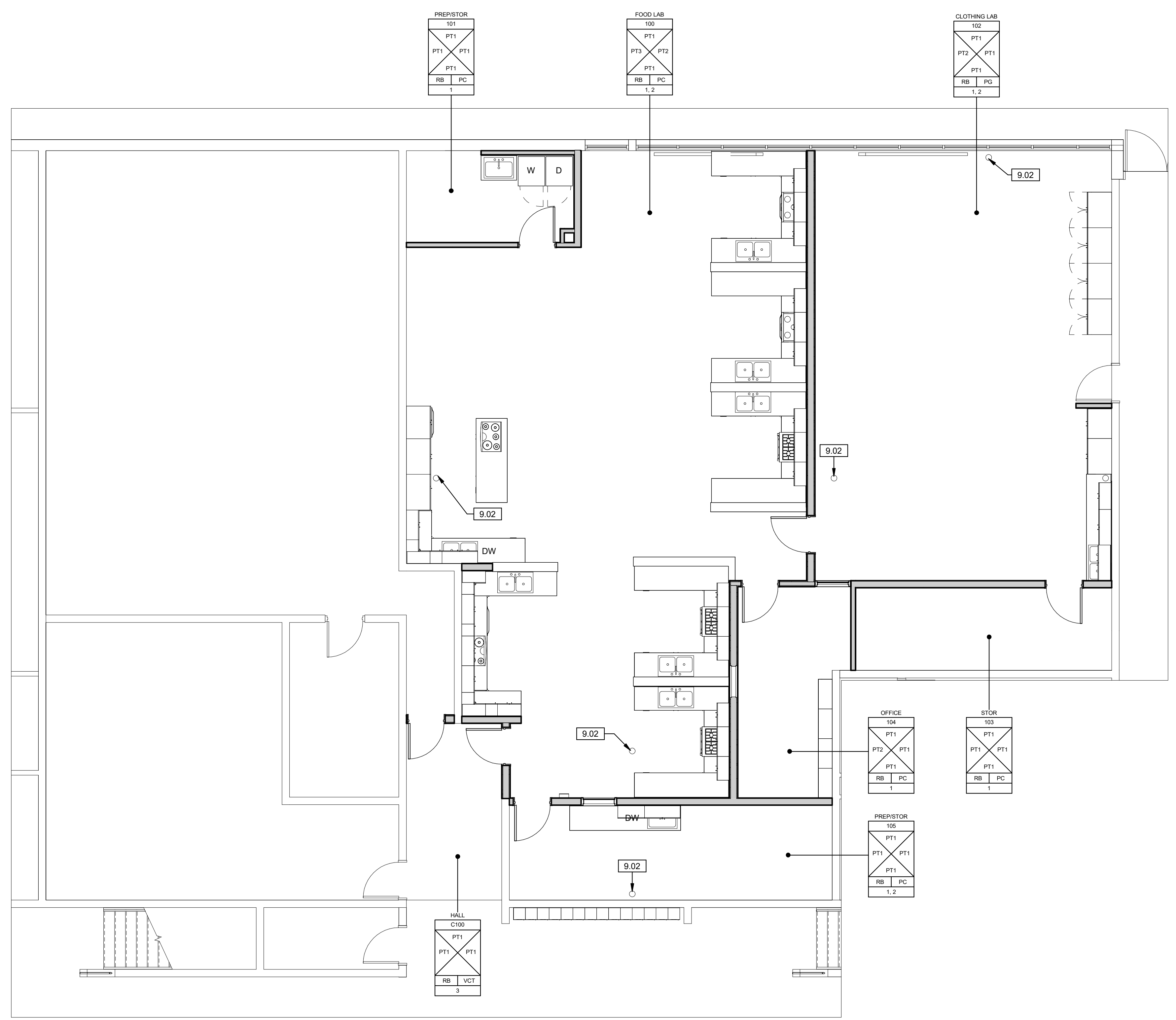
FINISH TAG LEGEND



- FINISH ABBREVIATIONS:**
- CON: SEALED CONCRETE
 - CT: CERAMIC TILE
 - CPT: CARPET
 - EPT: EPOXY PAINT
 - LVT: LUXURY VINYL TILE
 - PC: POLISHED CONCRETE
 - PT: PAINT
 - PFT: PORCELAIN FLOOR TILE
 - PLY: PLYWOOD
 - PWT: PORCELAIN WALL TILE
 - RB: RESILIENT BASE
 - RF: RESILIENT FLOORING
 - SF: SPORTS FLOORING
 - WOC: WALK-OFF CARPET
- NOTES:**
1. NUMBERS BEHIND FINISH TYPES CORRESPOND WITH SPECIFIC COLORS IDENTIFIED IN THE SPECIFICATIONS.
 2. WALL FINISHES CORRESPOND TO THE WALL IN THE DIRECTION THE IDENTIFICATION FACES.
 3. WALL FINISHES IDENTIFIED ON THE TAG ARE THE FIELD COLOR FINISHES. ACCENT FINISHES OR COLORS ARE SPECIFICALLY IDENTIFIED ON THE FINISHES PLAN, OR ON THE INTERIOR ELEVATIONS.
- FINISH TYPES:**
- CPT1: MOHAWK SIDE STRIPE - 859 FRANKLIN
 - LVT1: MANNINGTON SPACIA - WOOD MULLED OAK
 - PT1: SW7556 - CREME
 - PT2: SW6113 - INTERACTIVE CREAM
 - PT3: SW9093 - NEARLY BROWN
 - PT4: SW7630 - RAISIN

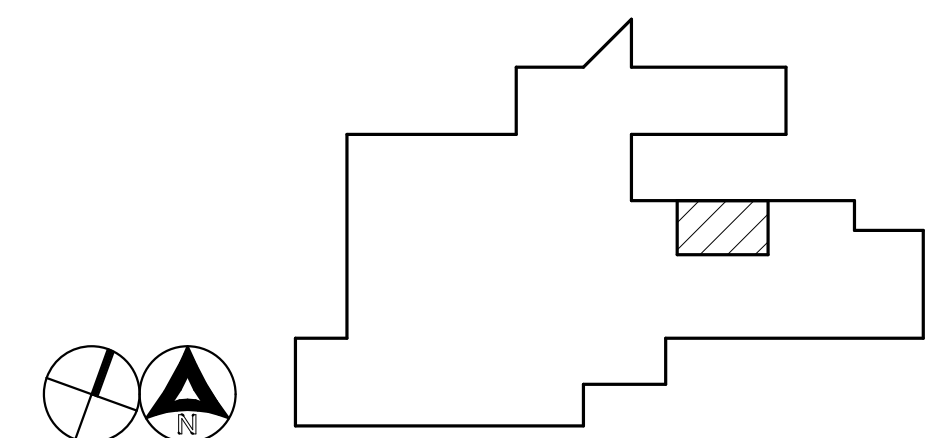
KEYNOTES

9.02 PAINT COLUMNS PT4.



1 FINISH PLAN - FACS
A901 SCALE: 3/16" = 1'-0"

KEY PLAN



SHERIDAN HIGH SCHOOL - FACS RENOVATION

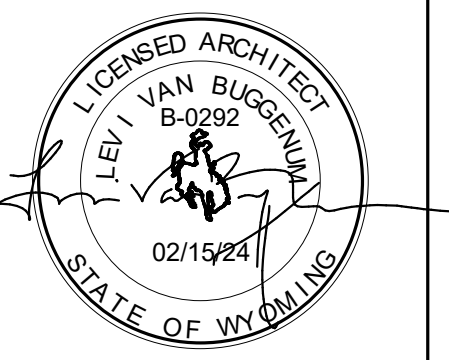
SHERIDAN COUNTY SCHOOL DISTRICT #2



201 N. CONNOR, STE 100
SHERIDAN, WY 82801
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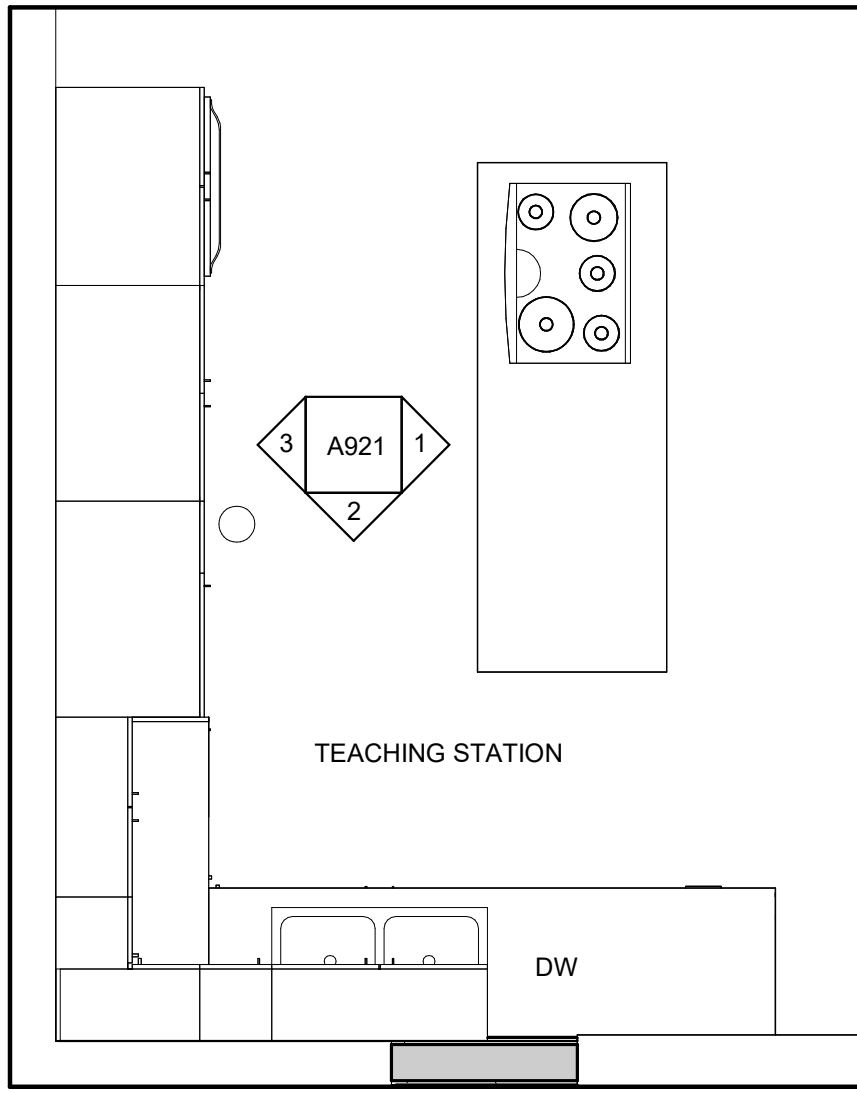
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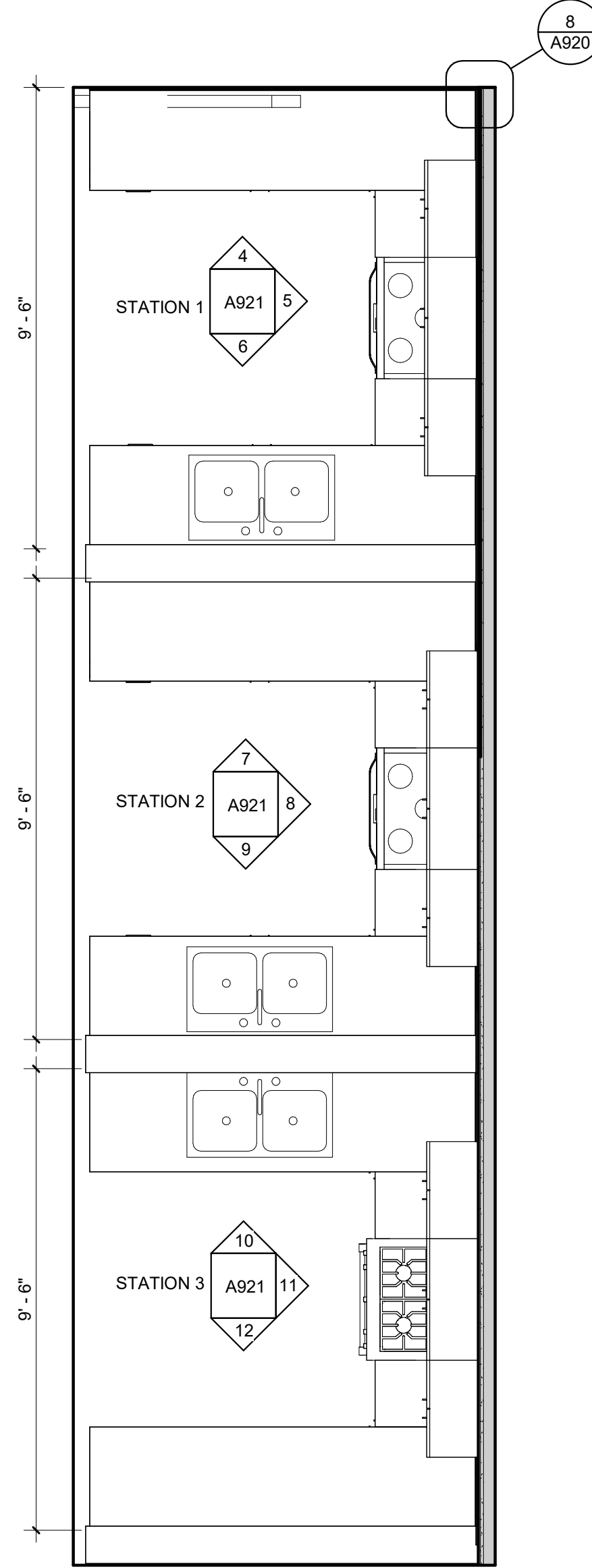
ISSUE:
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ENLARGED PLANS

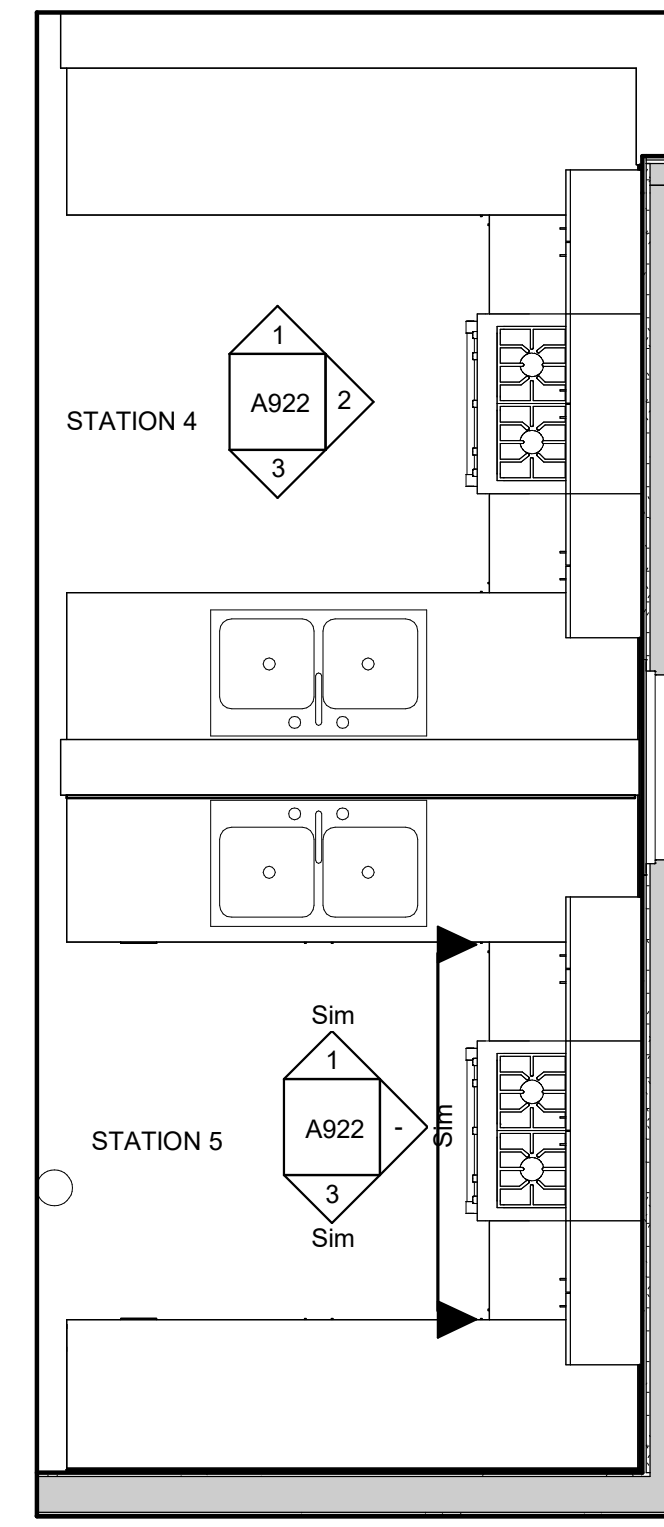
A920



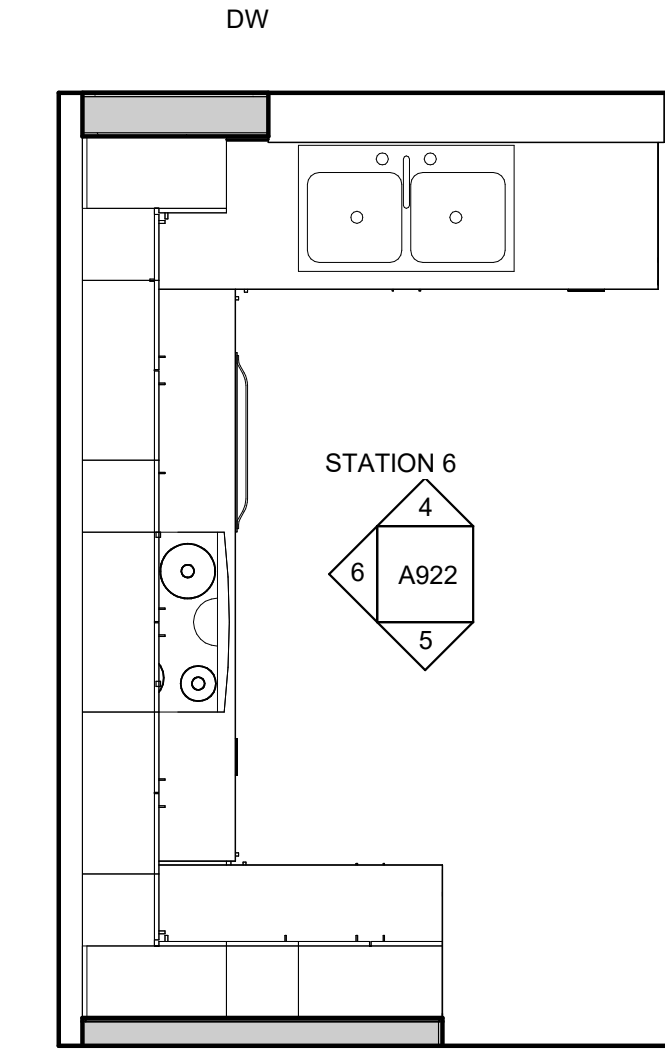
1 TEACHING STATION
A920 SCALE: 3/8" = 1'-0"



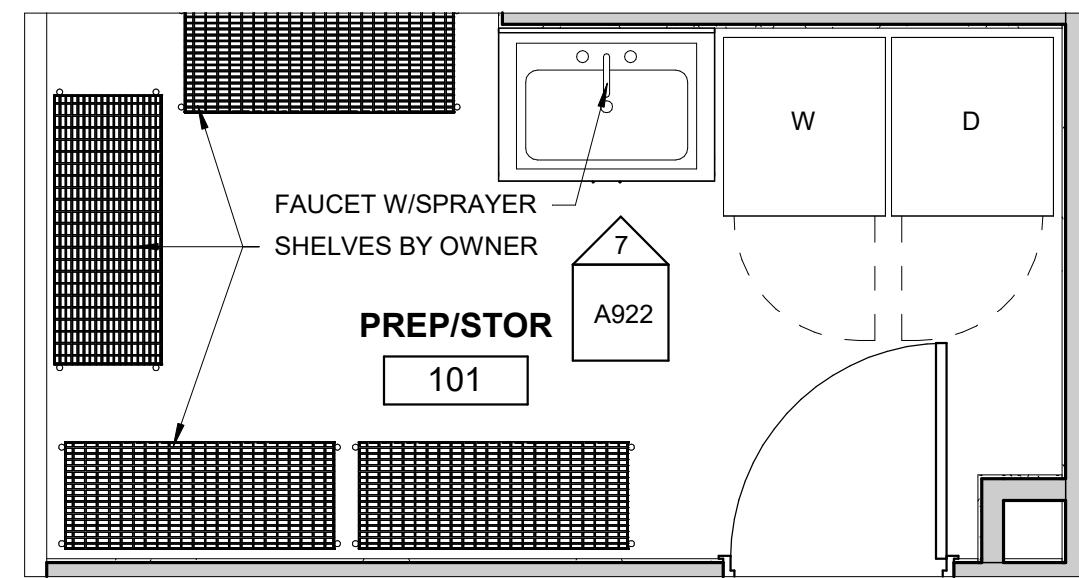
2 STATIONS 1, 2 & 3
A920 SCALE: 3/8" = 1'-0"



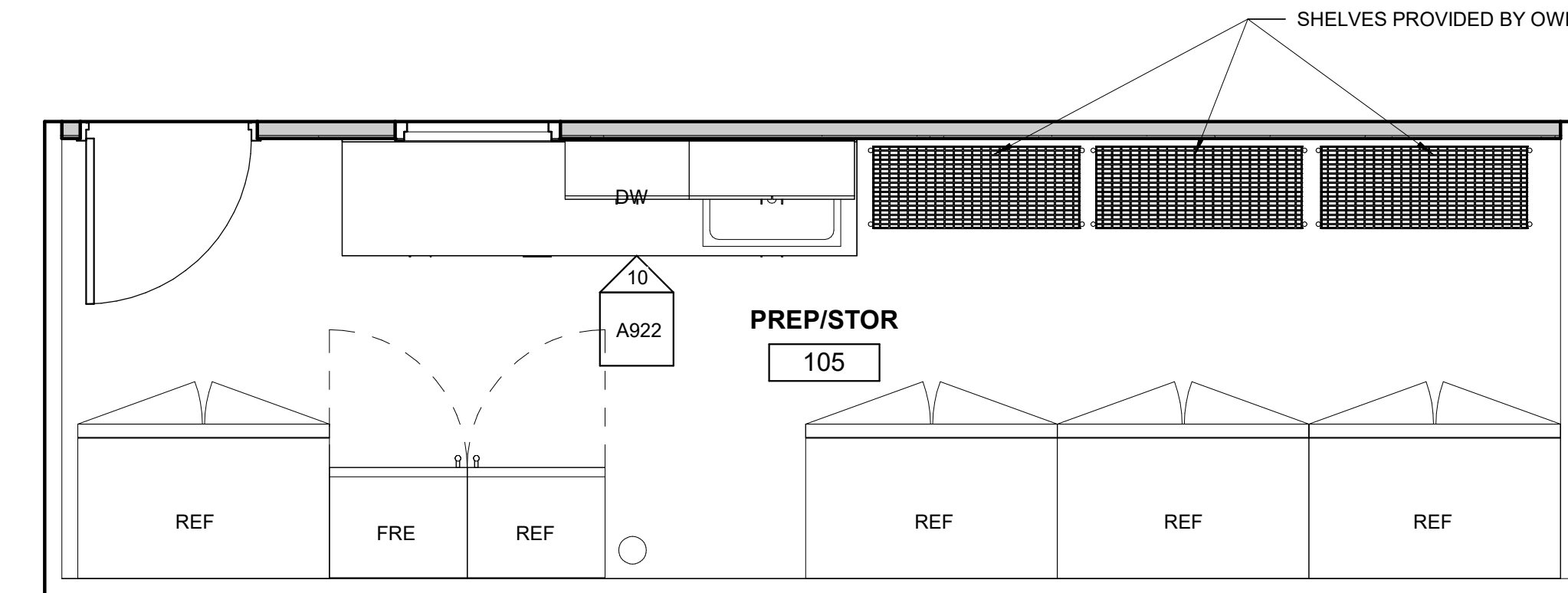
3 STATIONS 4 & 5
A920 SCALE: 3/8" = 1'-0"



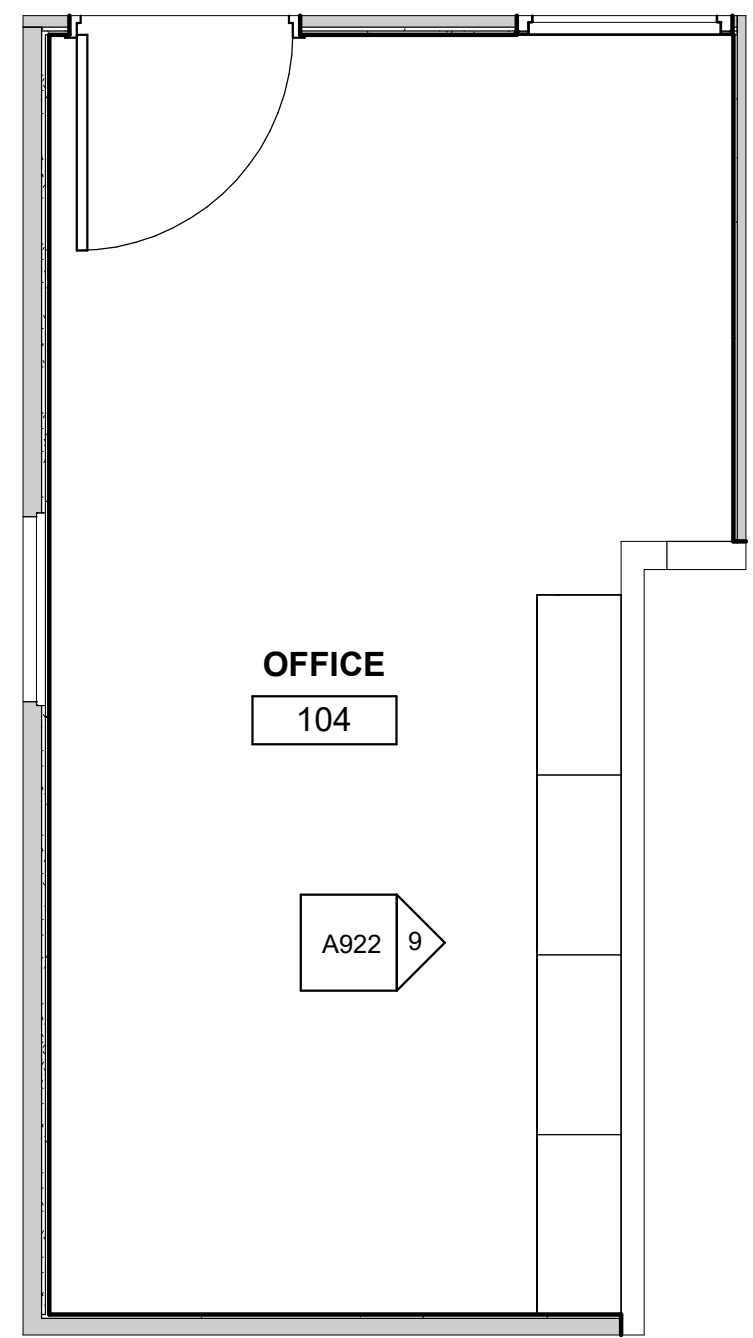
4 STATION 6
A920 SCALE: 3/8" = 1'-0"



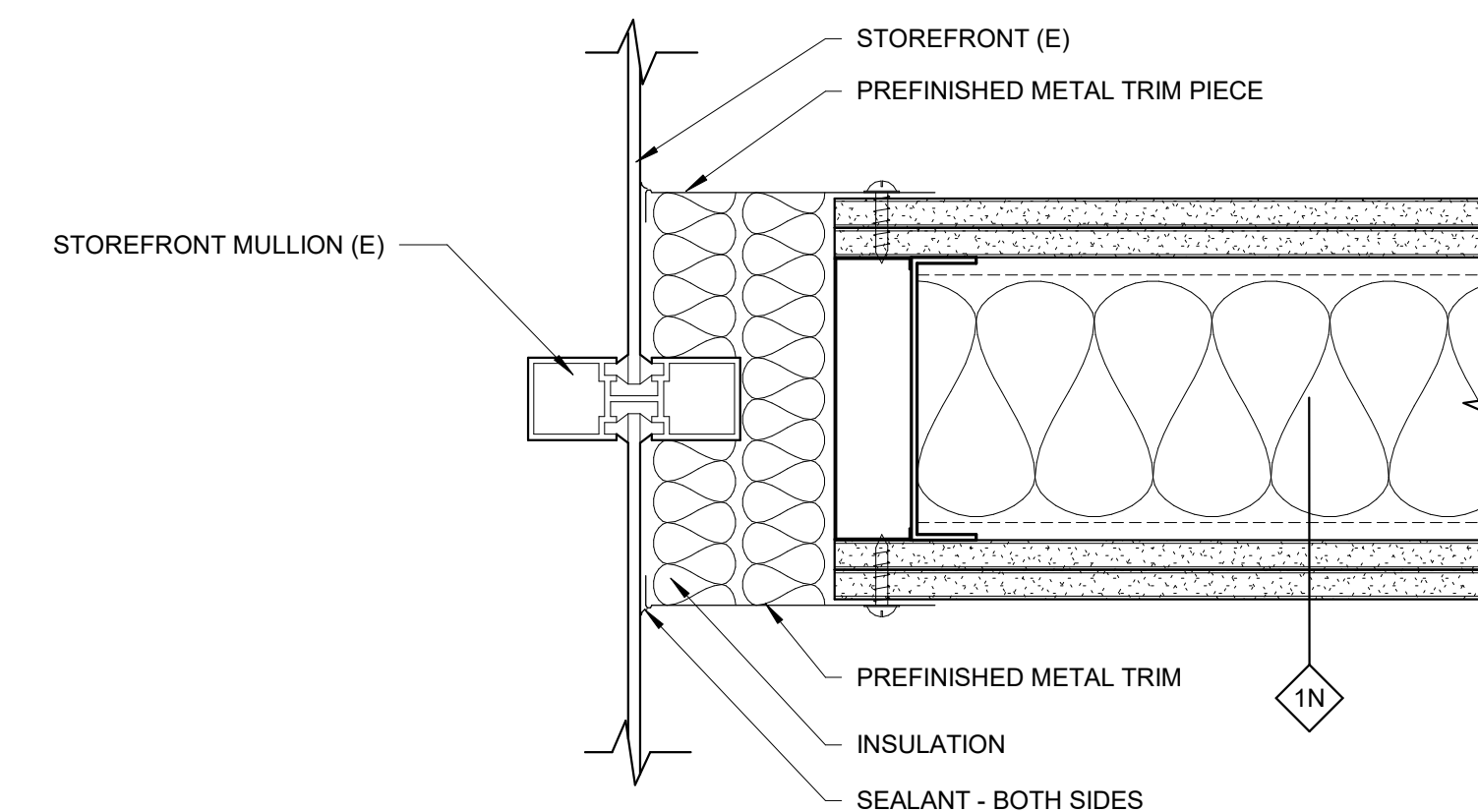
5 ROOM 101
A920 SCALE: 3/8" = 1'-0"



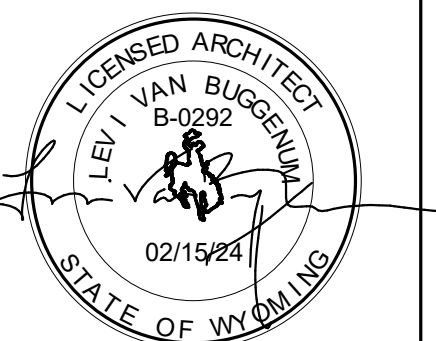
7 ROOM 105
A920 SCALE: 3/8" = 1'-0"



6 OFFICE 104
A920 SCALE: 3/8" = 1'-0"



8 WALL CONNECTION @ STOREFRONT
A920 SCALE: 3" = 1'-0"



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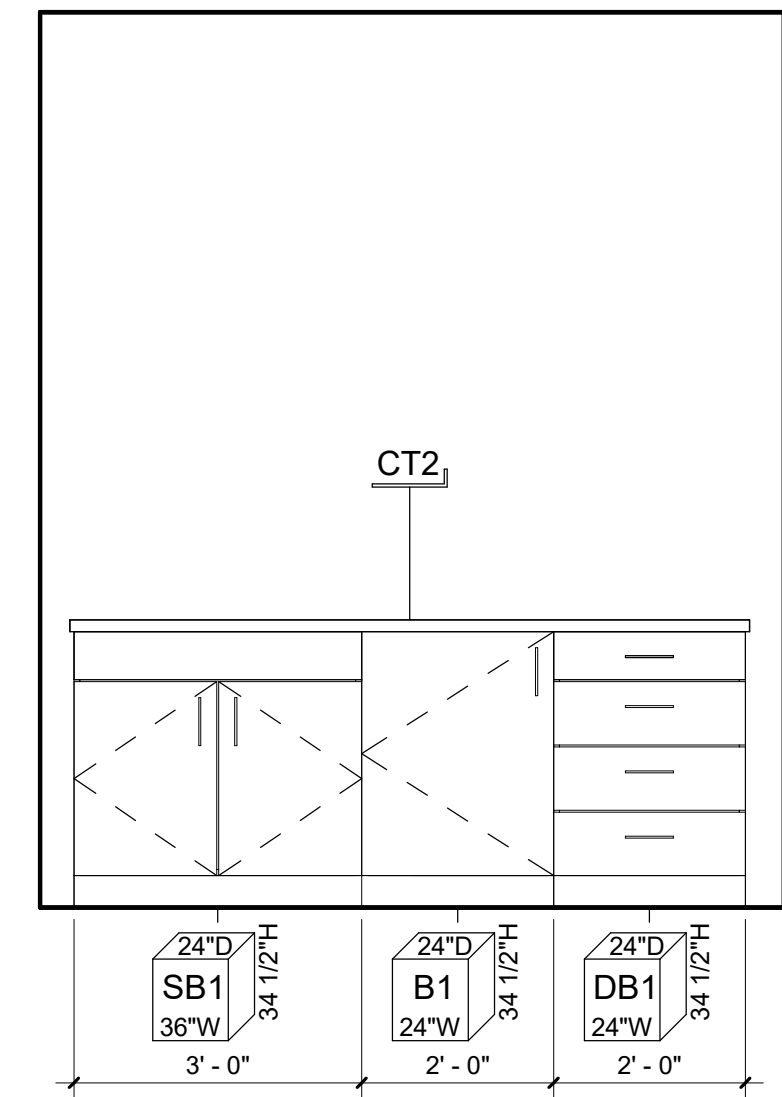
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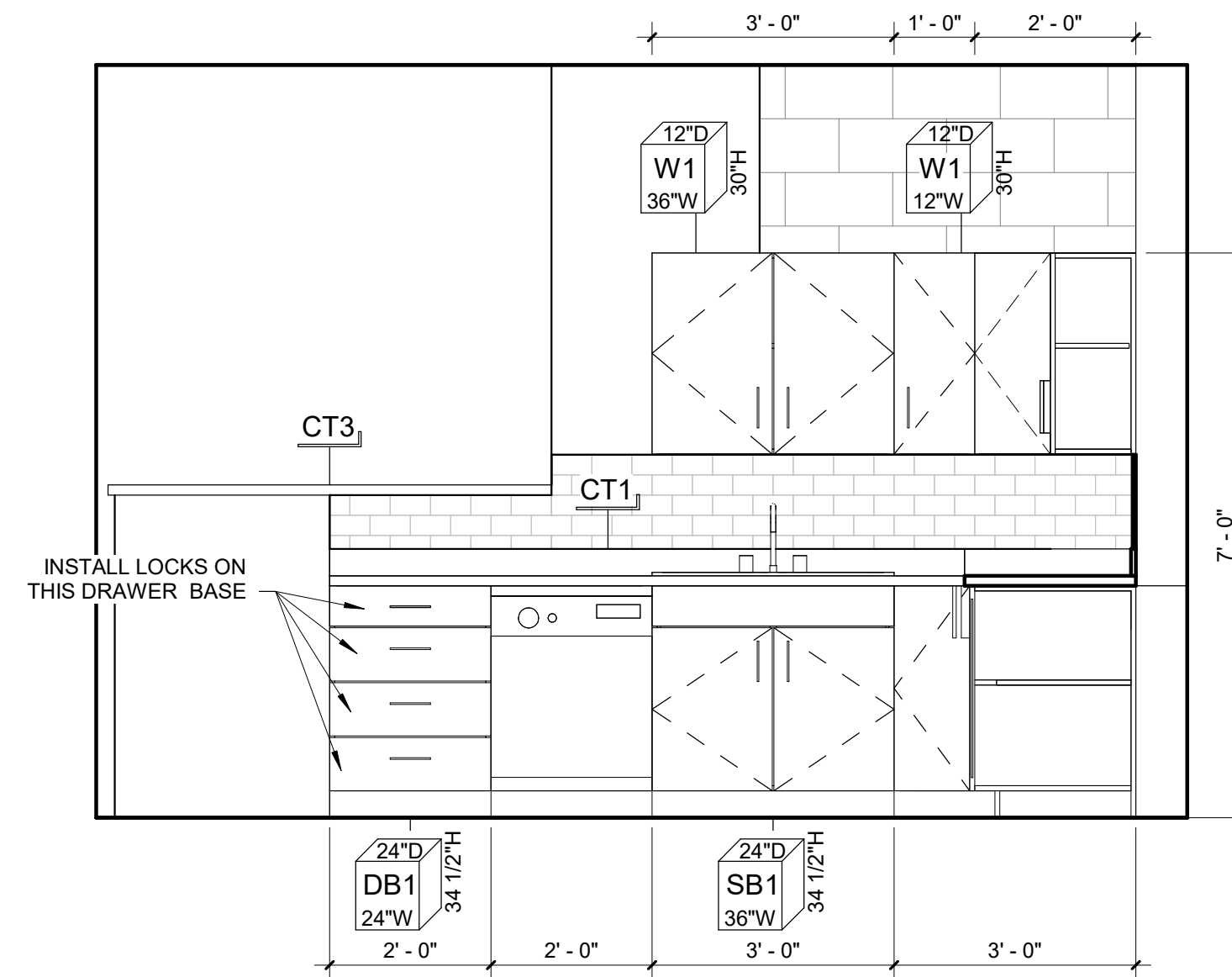
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INTERIOR ELEVATIONS

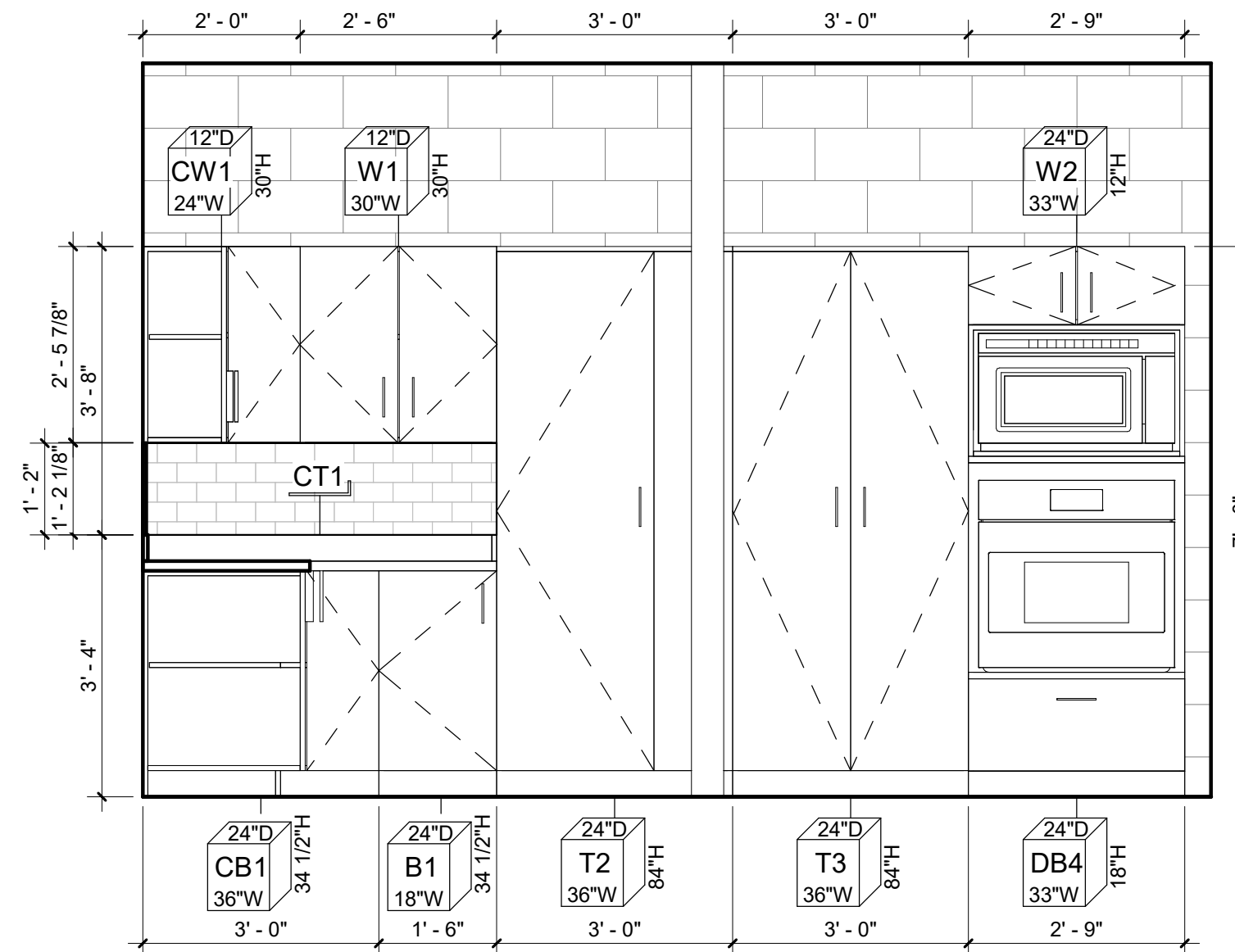
A921



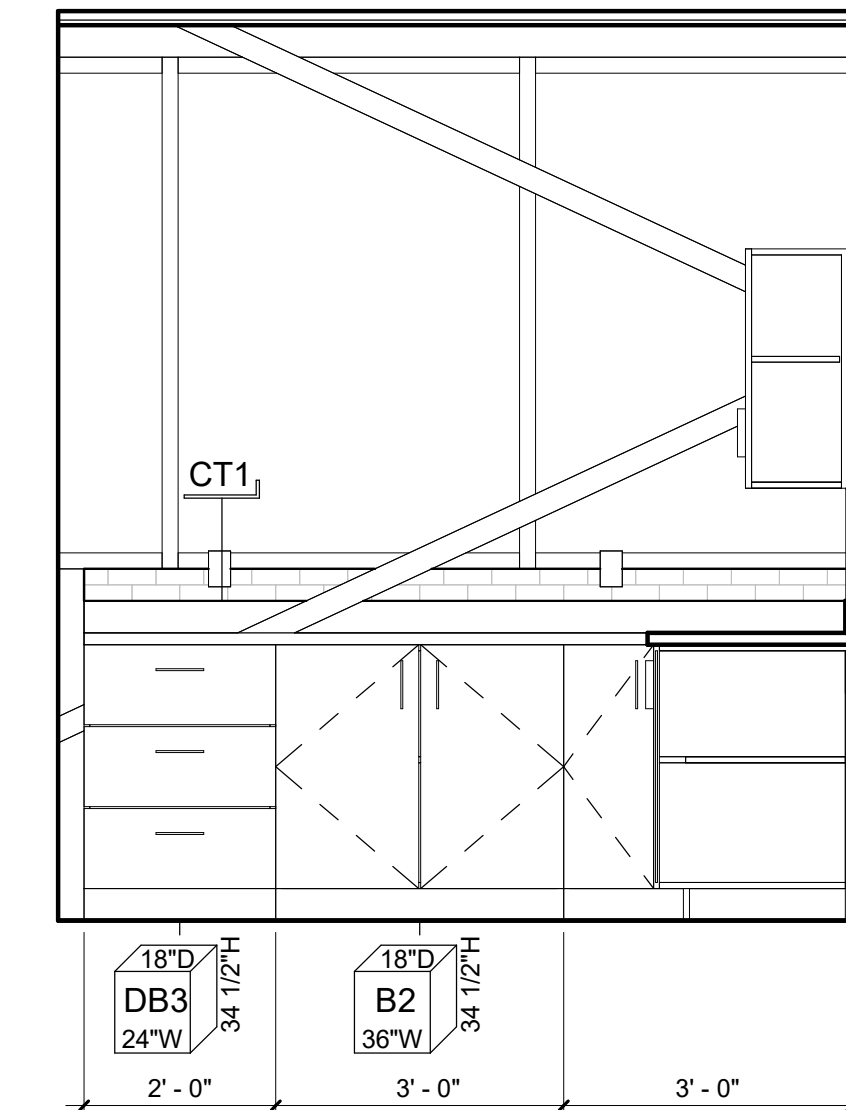
1 TEACHING - EAST
A921 SCALE: 1/2" = 1'-0"



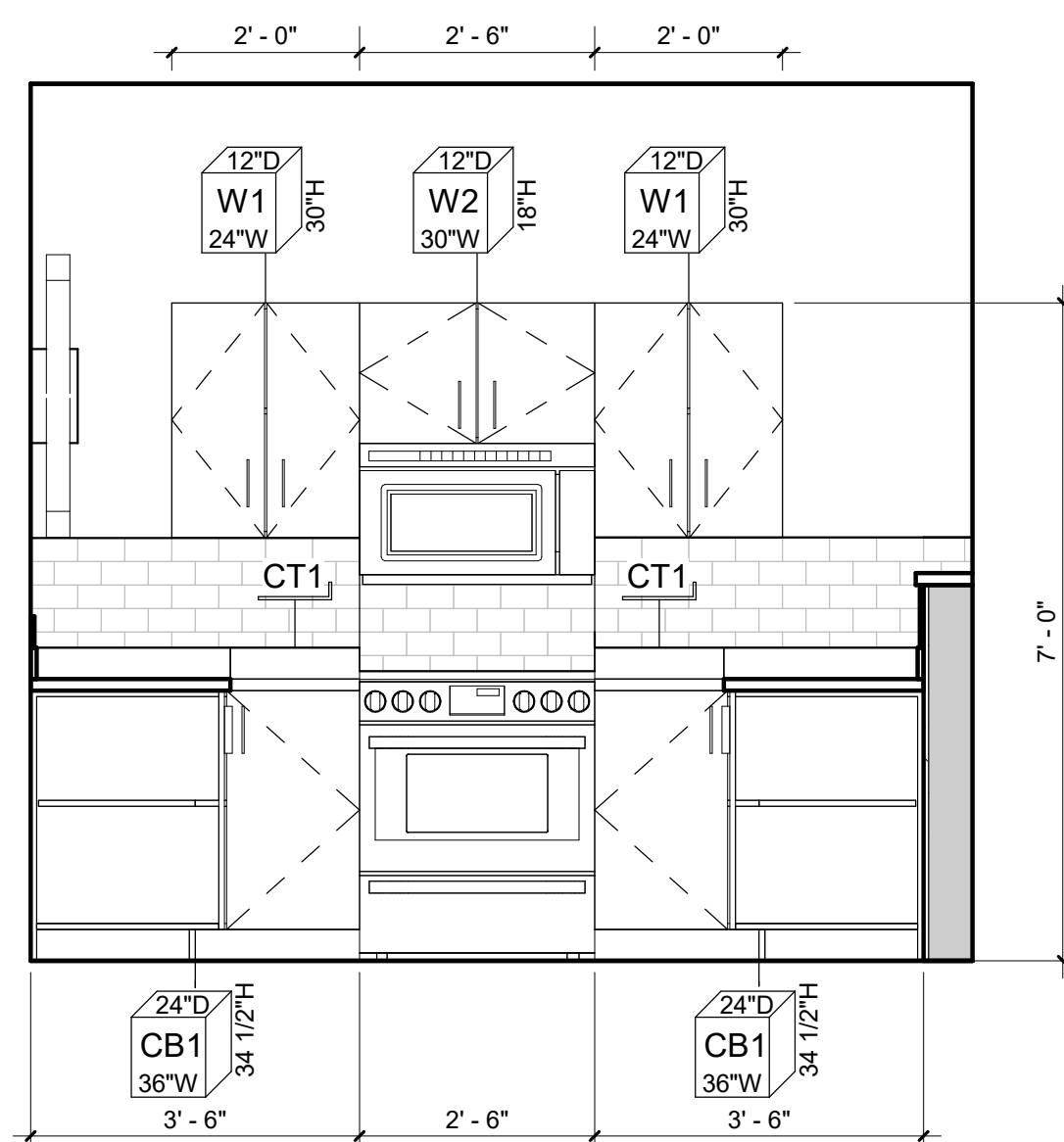
2 TEACHING - SOUTH
A921 SCALE: 1/2" = 1'-0"



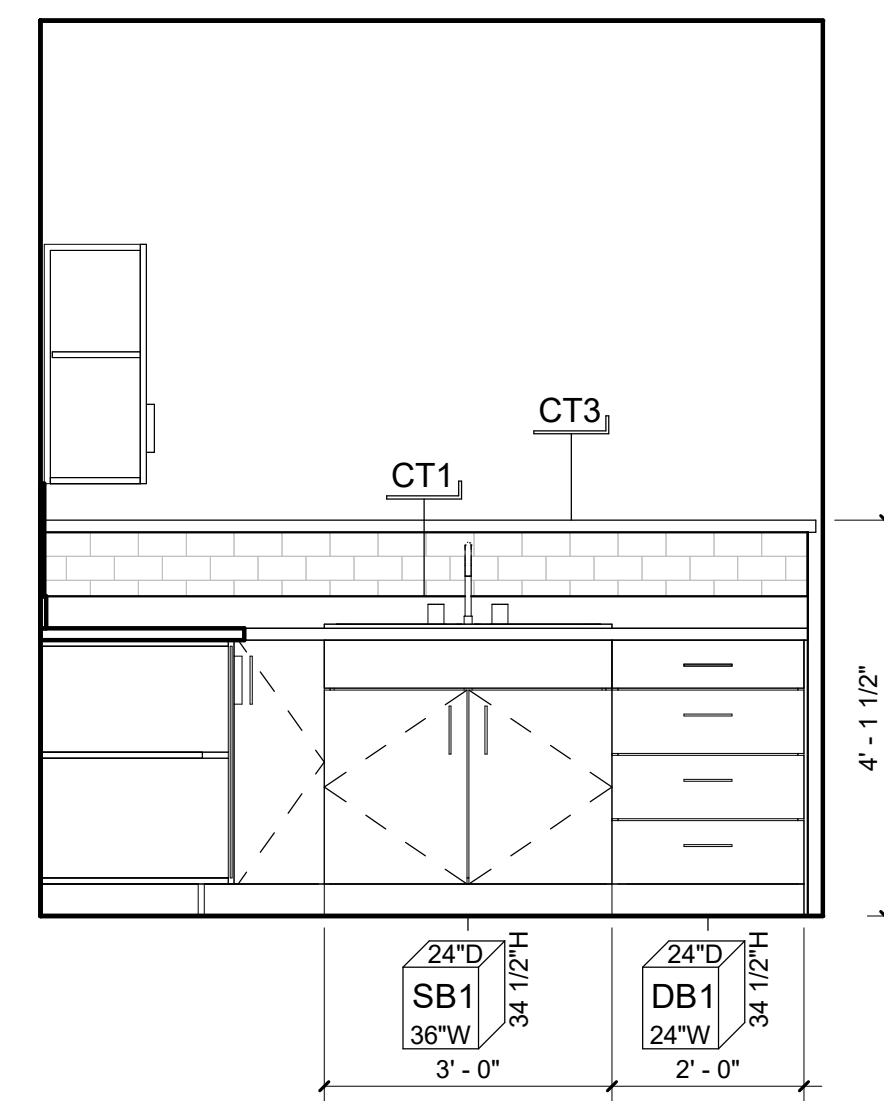
3 TEACHING - WEST
A921 SCALE: 1/2" = 1'-0"



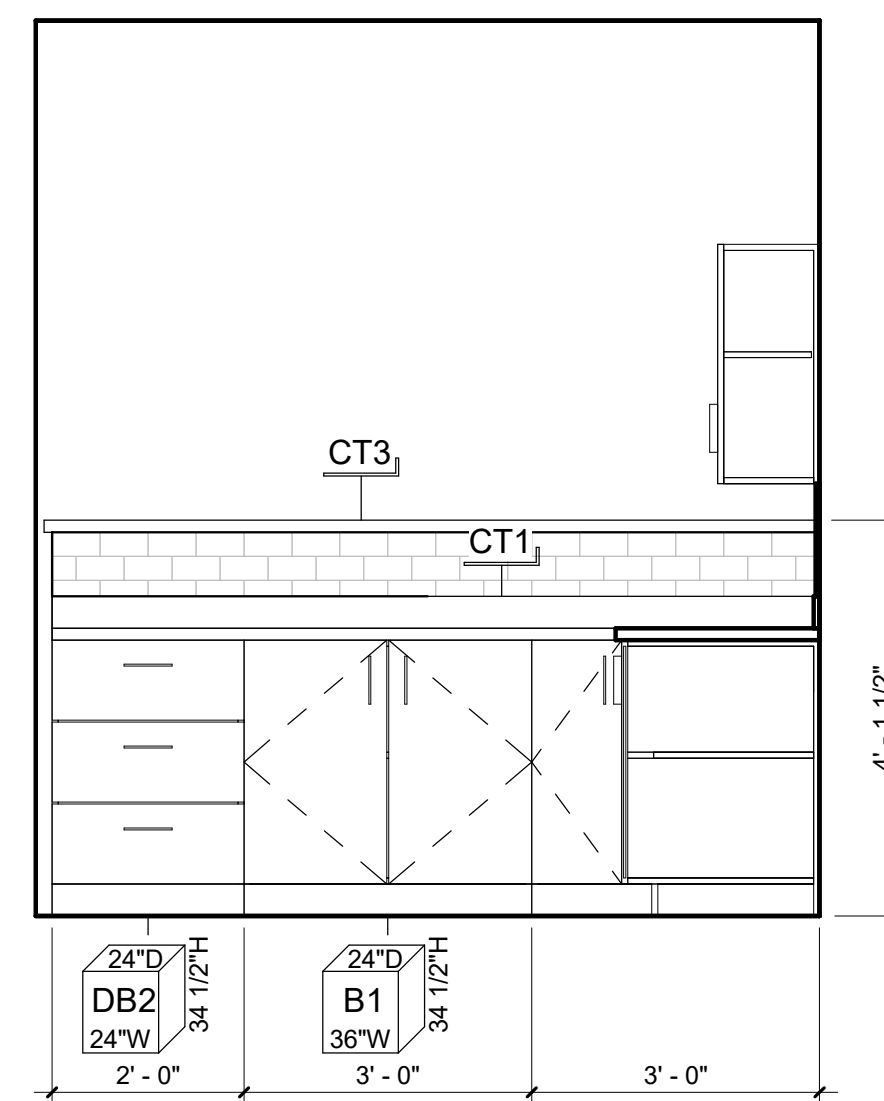
4 STATION 1 - NORTH
A921 SCALE: 1/2" = 1'-0"



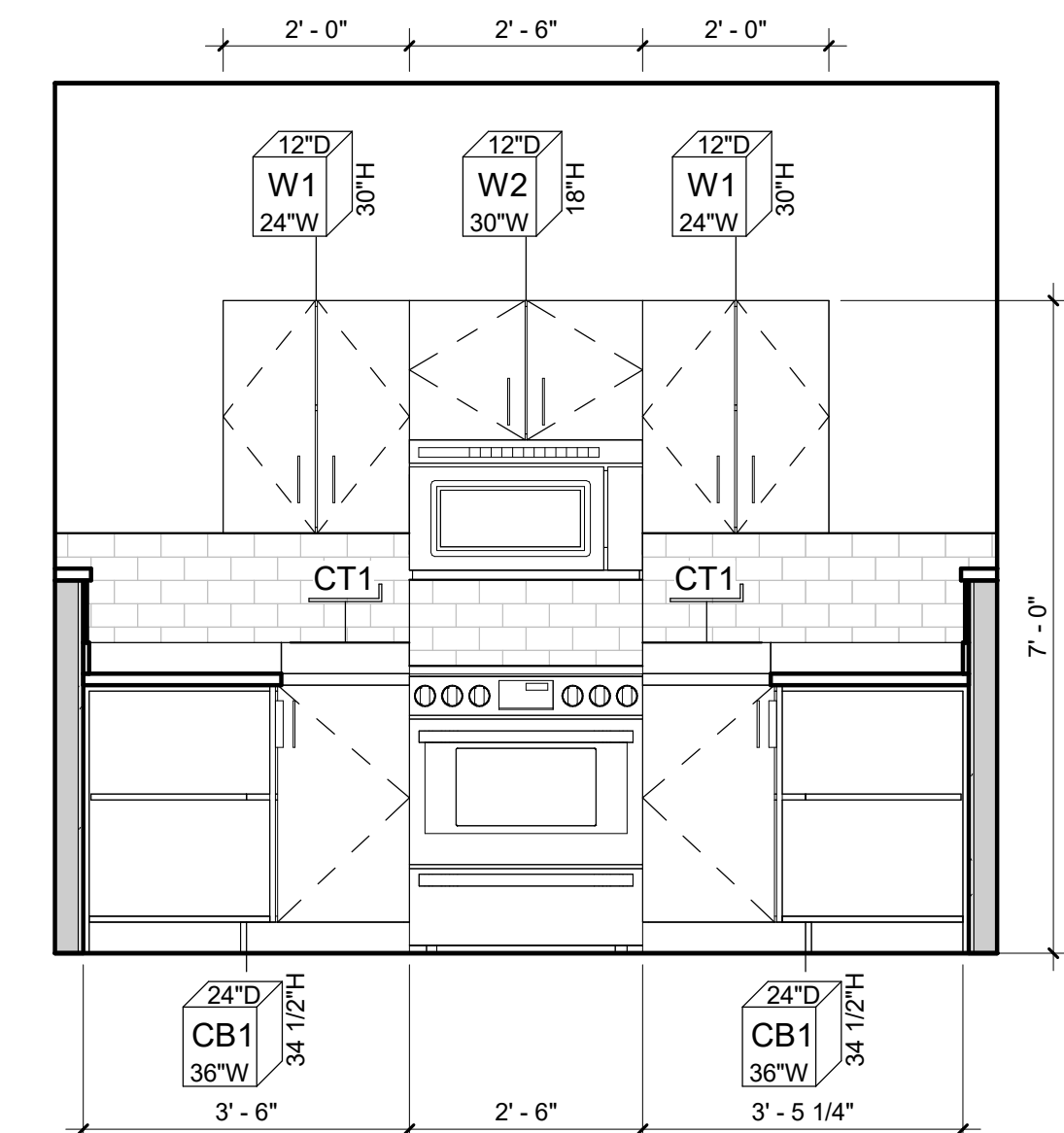
5 STATION 1 - EAST
A921 SCALE: 1/2" = 1'-0"



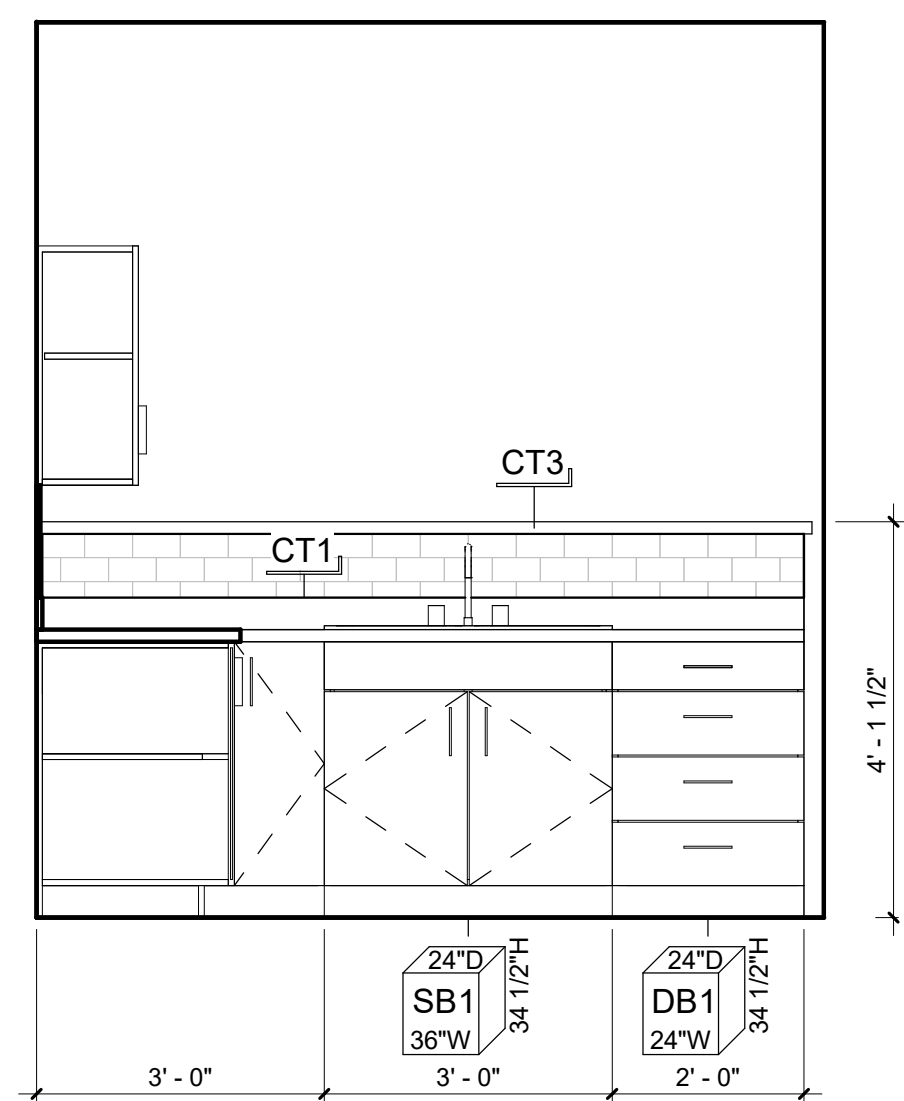
6 STATION 1 - SOUTH
A921 SCALE: 1/2" = 1'-0"



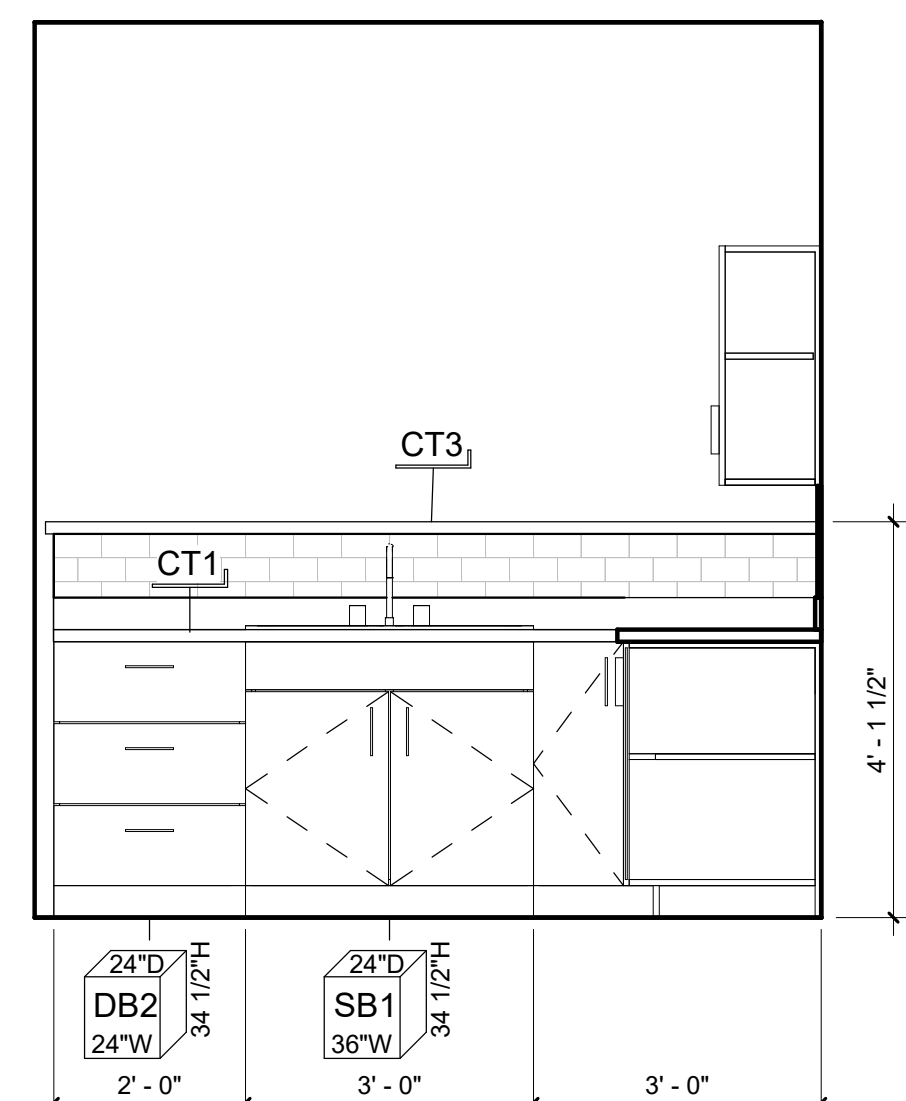
7 STATION 2 - NORTH
A921 SCALE: 1/2" = 1'-0"



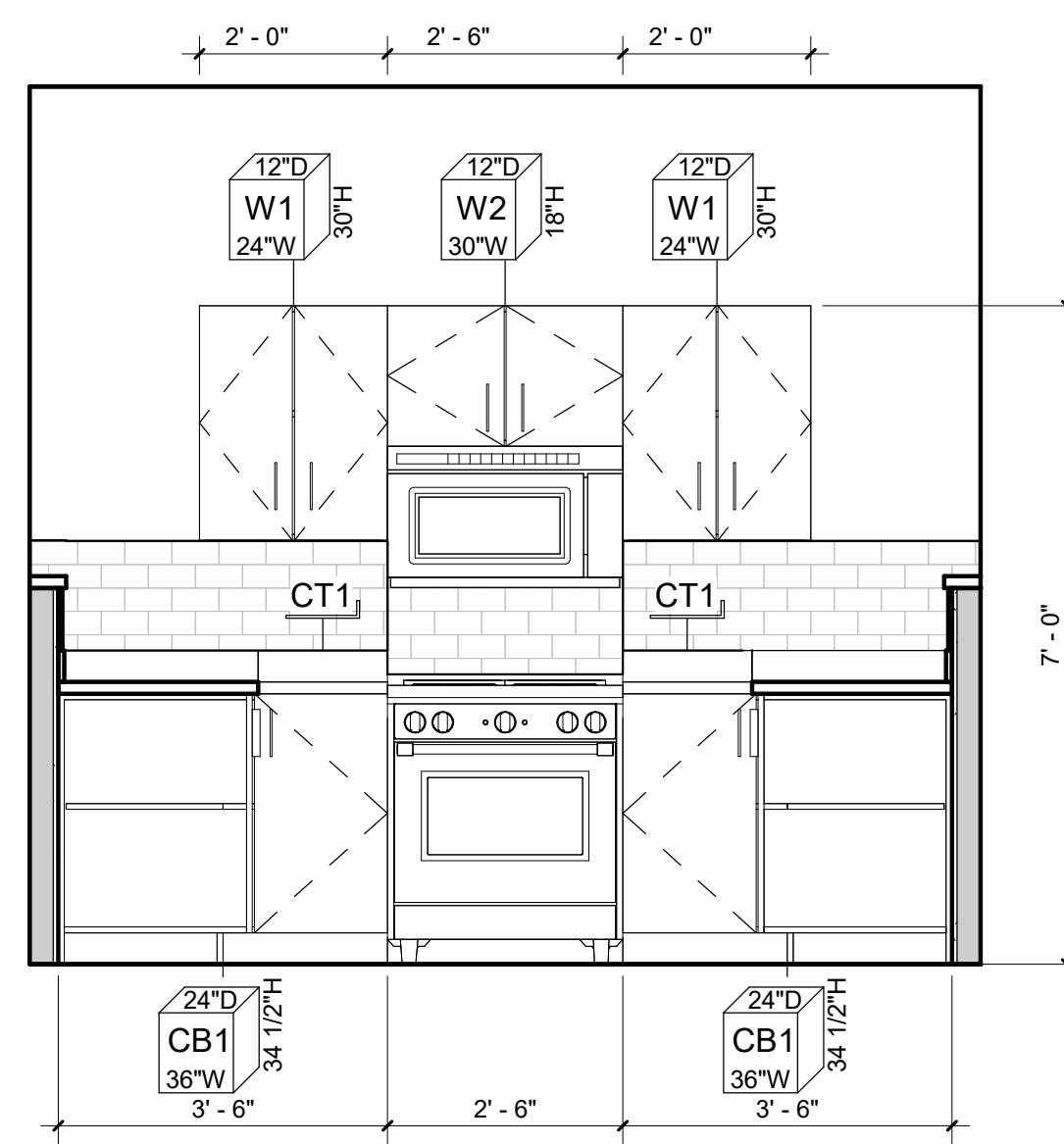
8 STATION 2 - EAST
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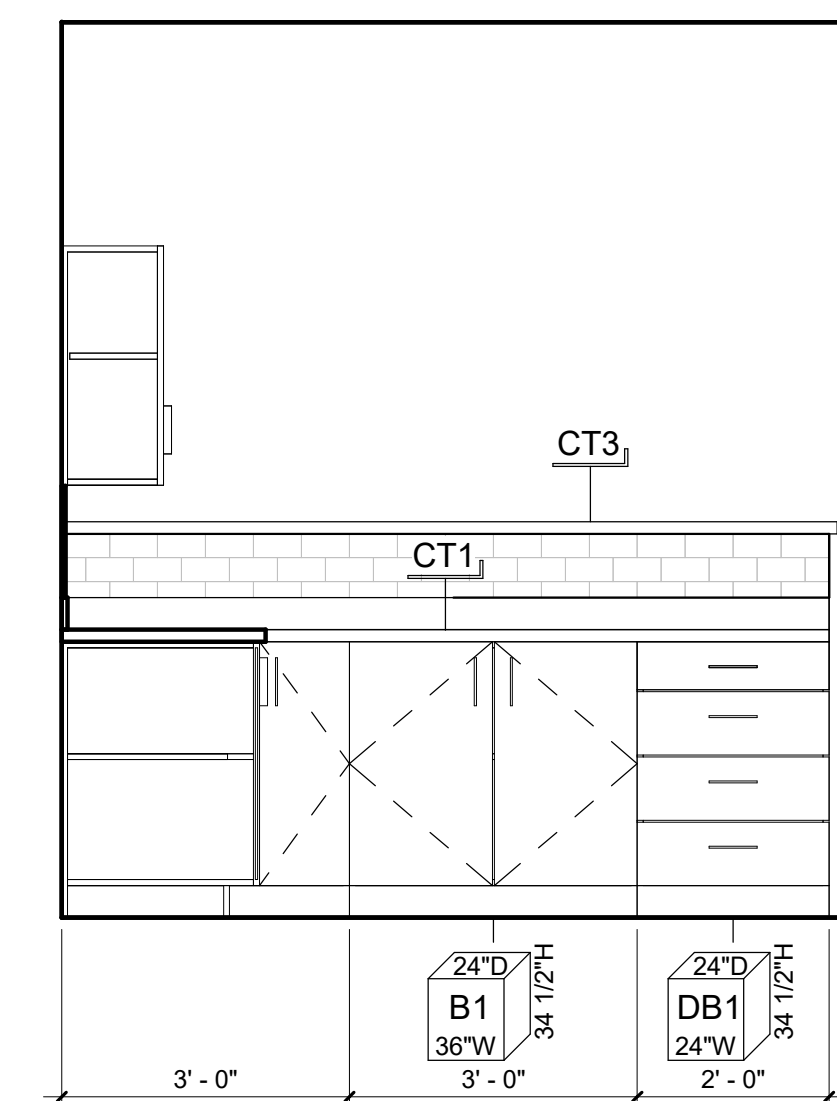
9 STATION 2 - SOUTH
A921 SCALE: 1/2" = 1'-0"



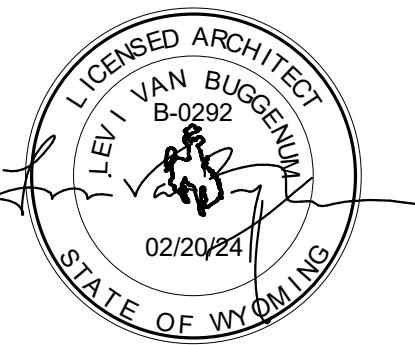
10 STATION 3 - NORTH
A921 SCALE: 1/2" = 1'-0"



11 STATION 3 - EAST
A921 SCALE: 1/2" = 1'-0"



12 STATION 3 - SOUTH
A921 SCALE: 1/2" = 1'-0"



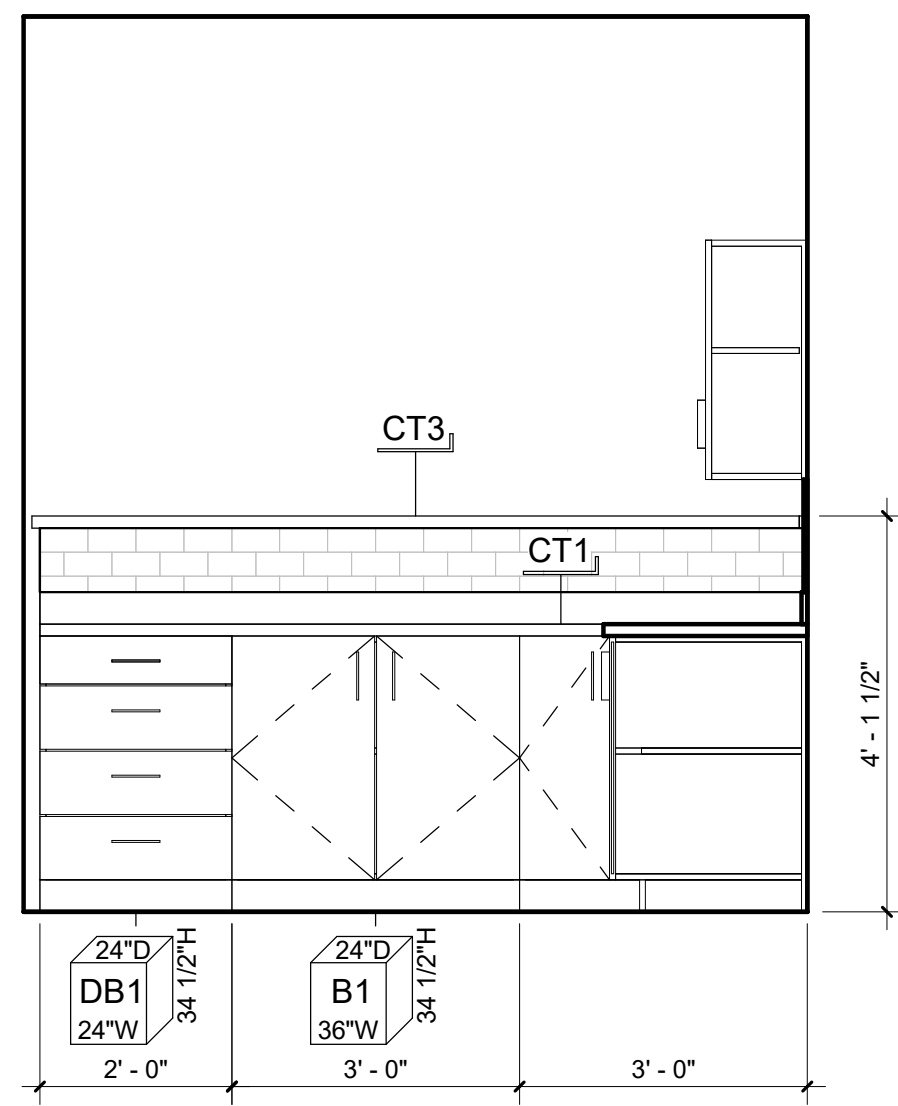
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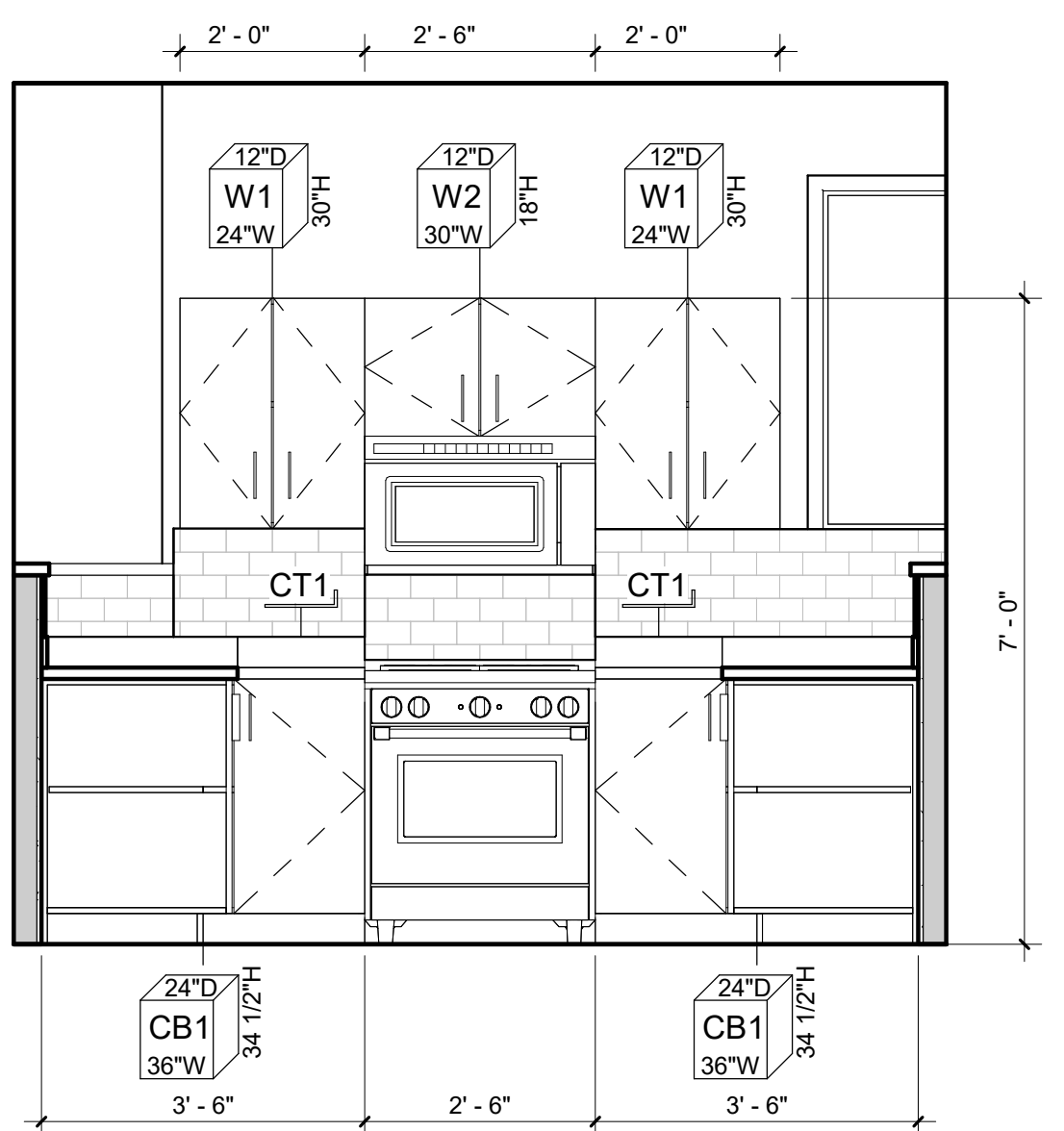
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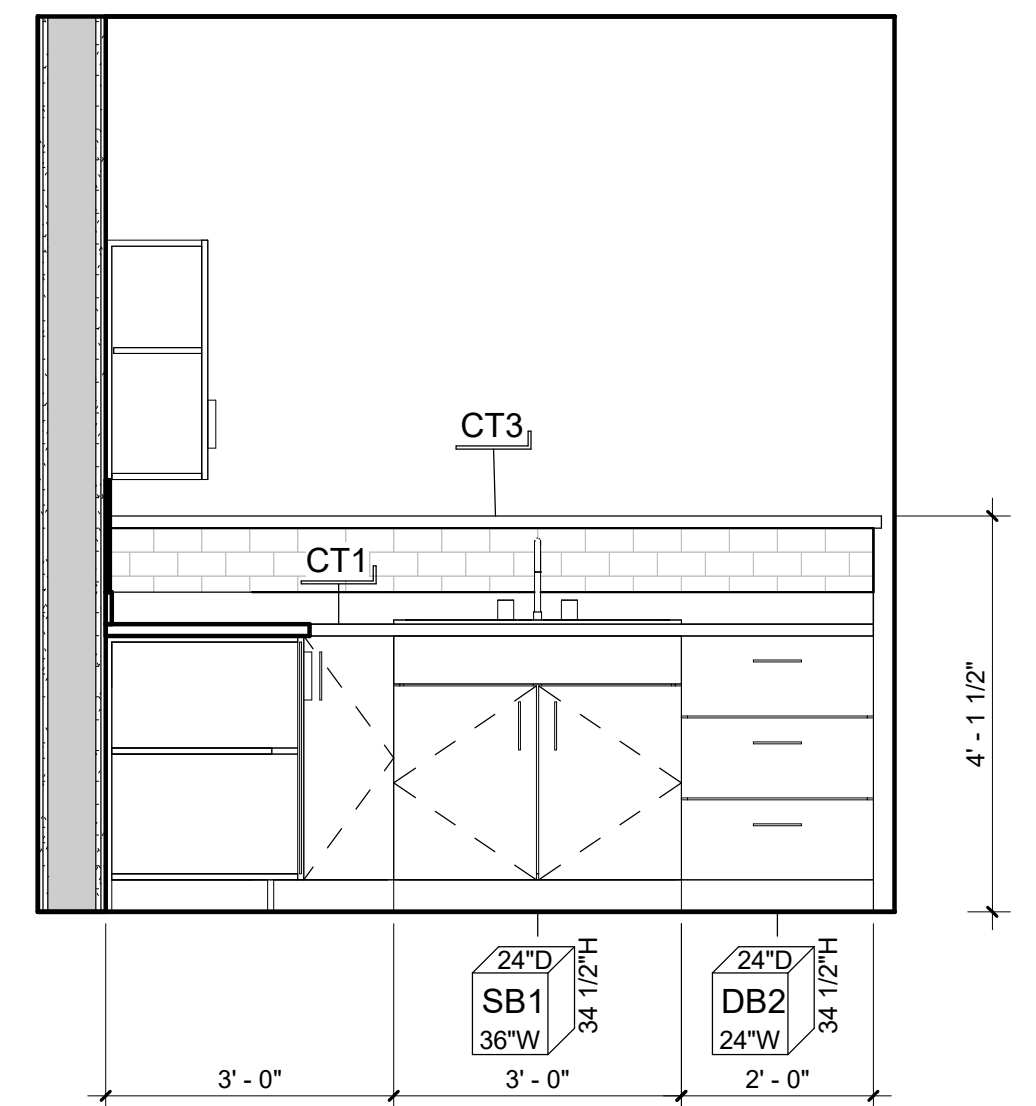
INTERIOR ELEVATIONS



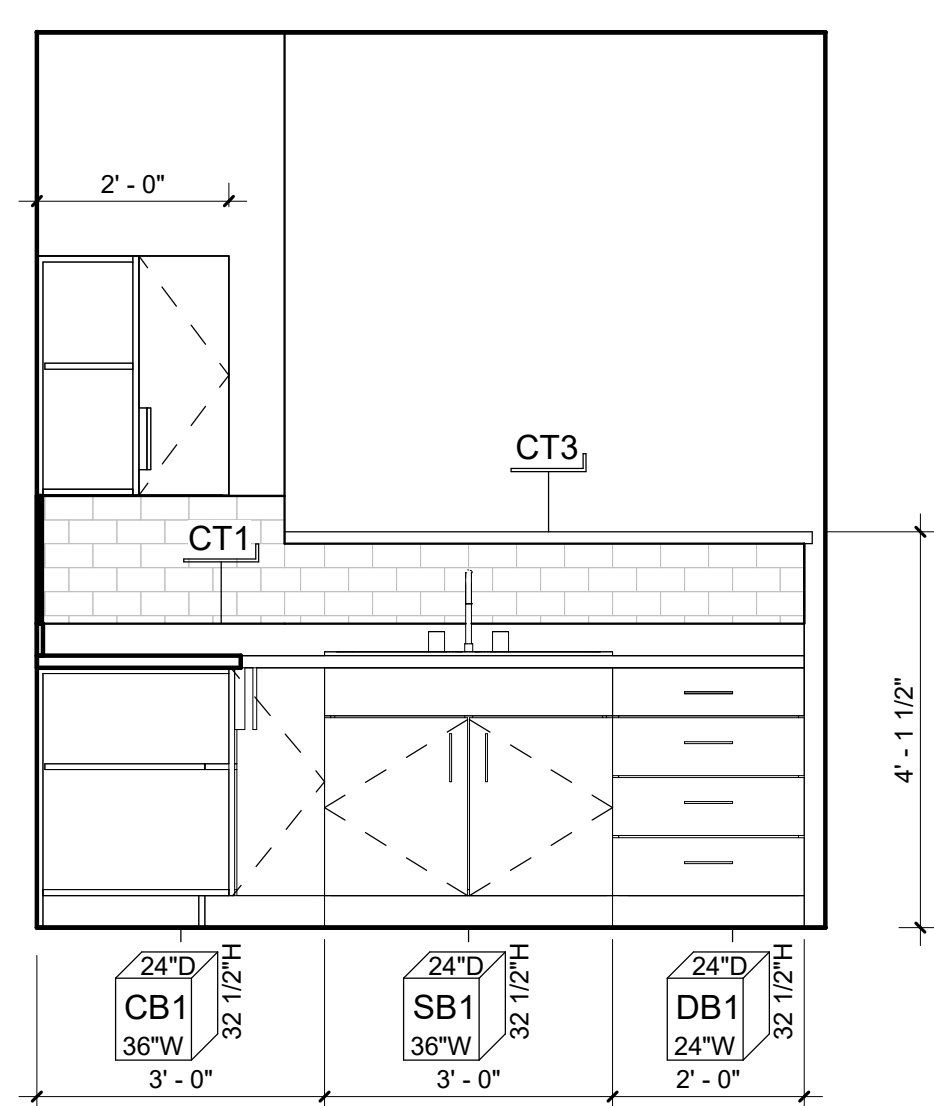
1 STATION 4 & 5 - NORTH
A922 SCALE: 1/2" = 1'-0"



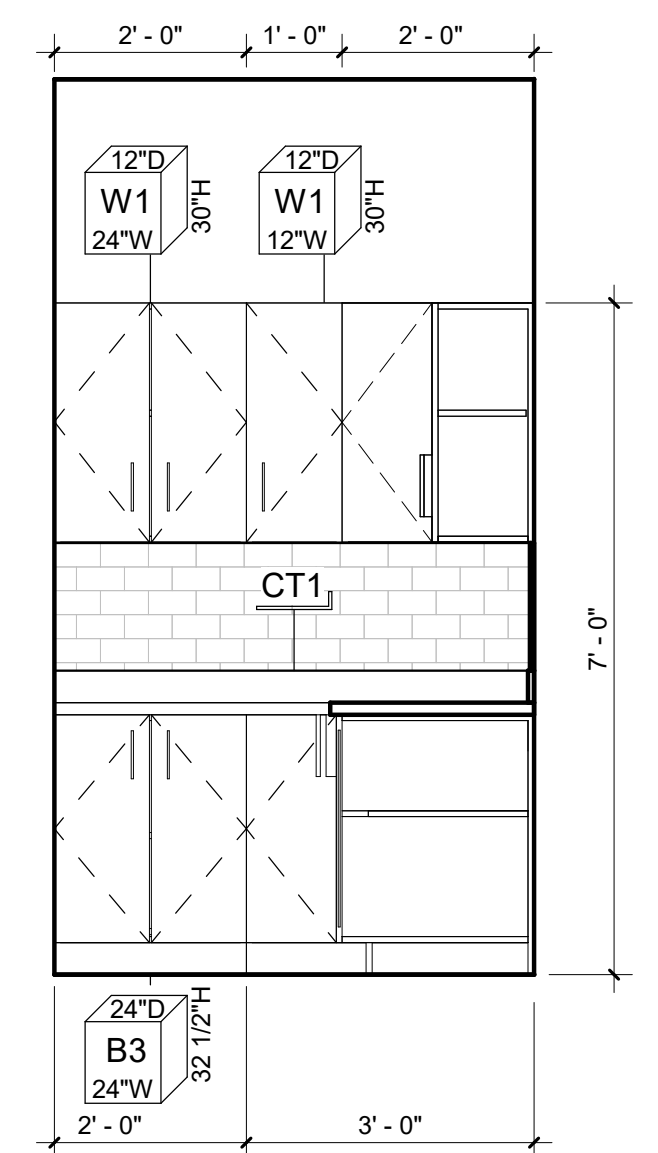
2 STATION 4 & 5 - EAST
A922 SCALE: 1/2" = 1'-0"



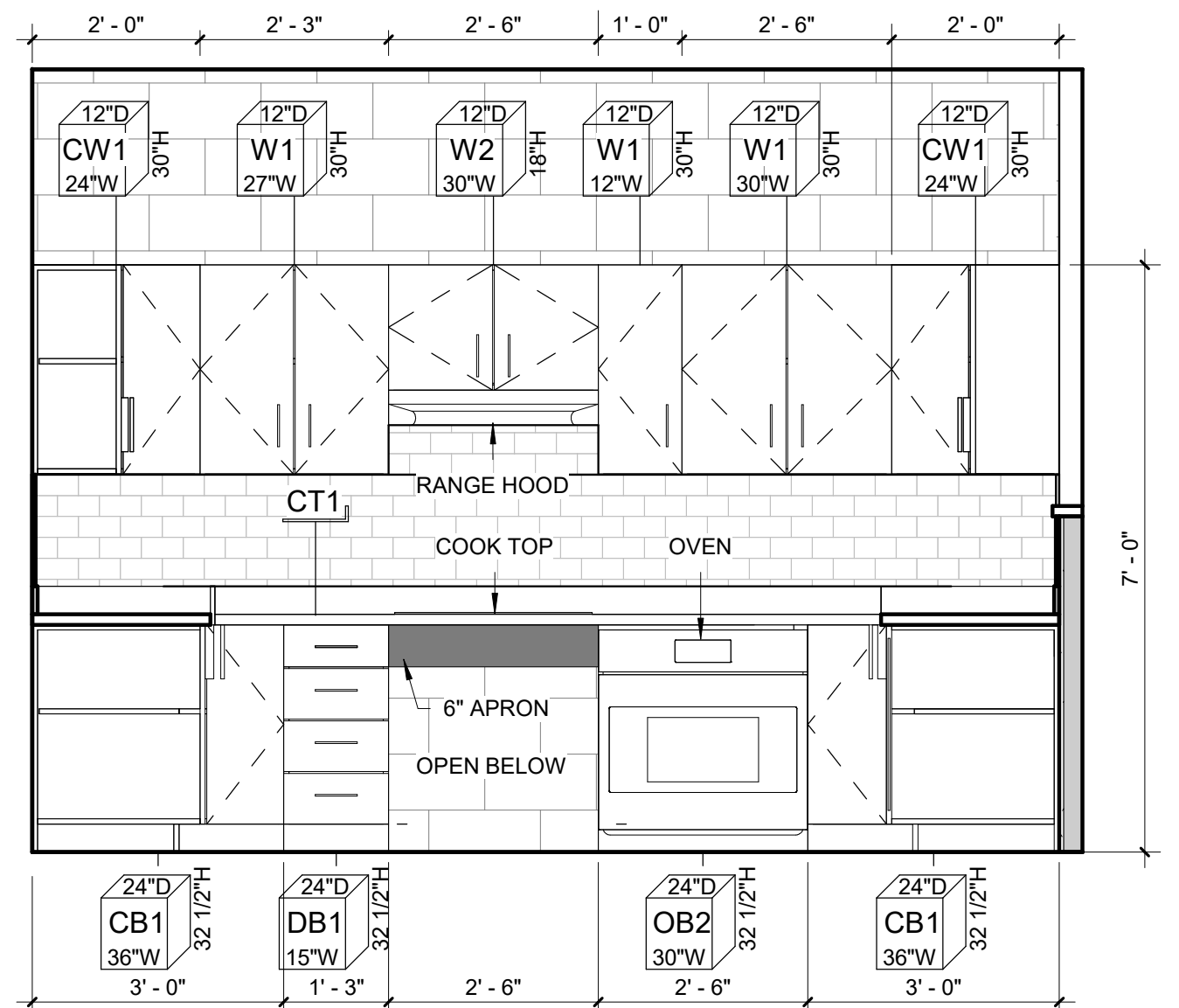
3 STATION 4 & 5 - SOUTH
A922 SCALE: 1/2" = 1'-0"



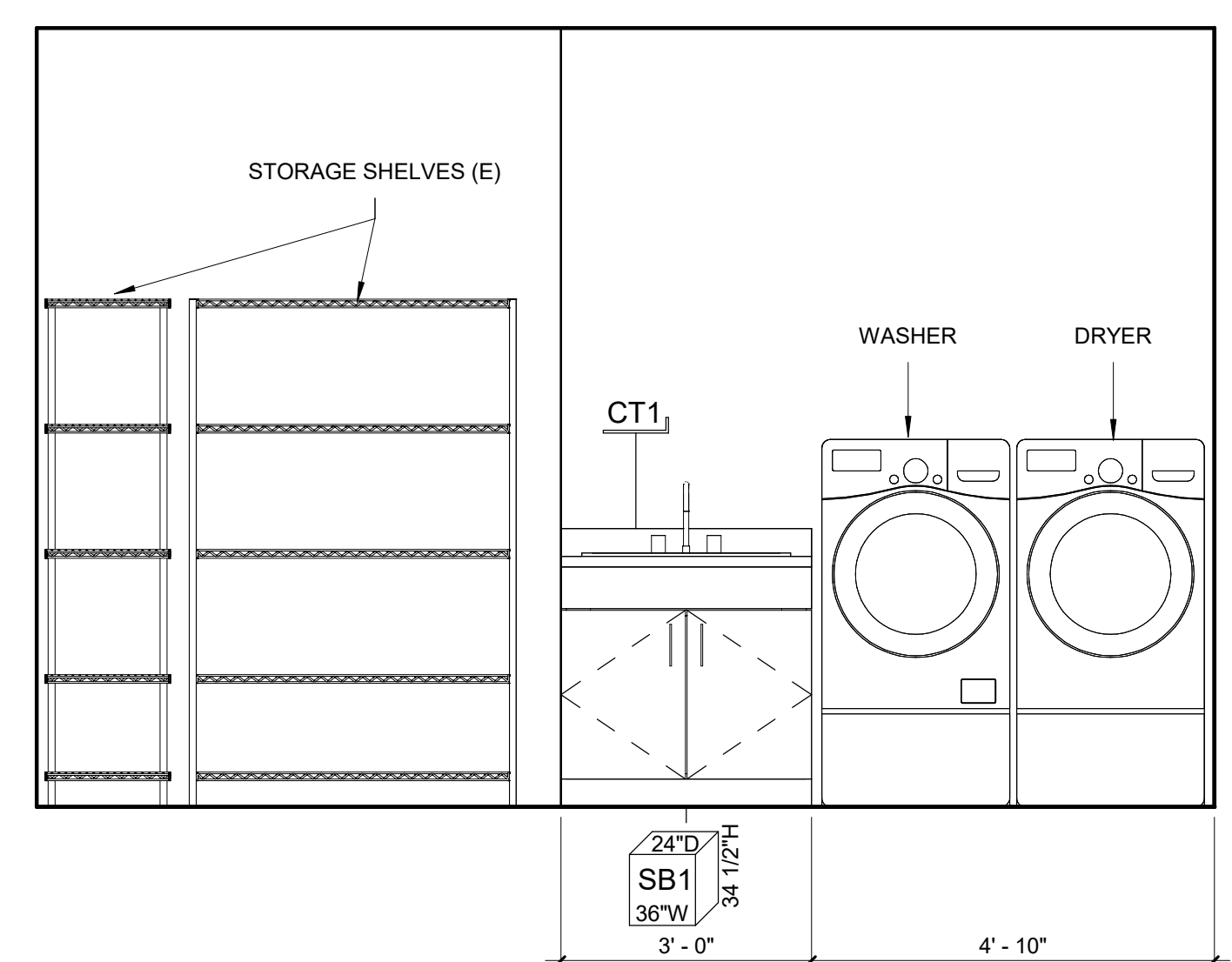
4 STATION 6 - NORTH
A922 SCALE: 1/2" = 1'-0"



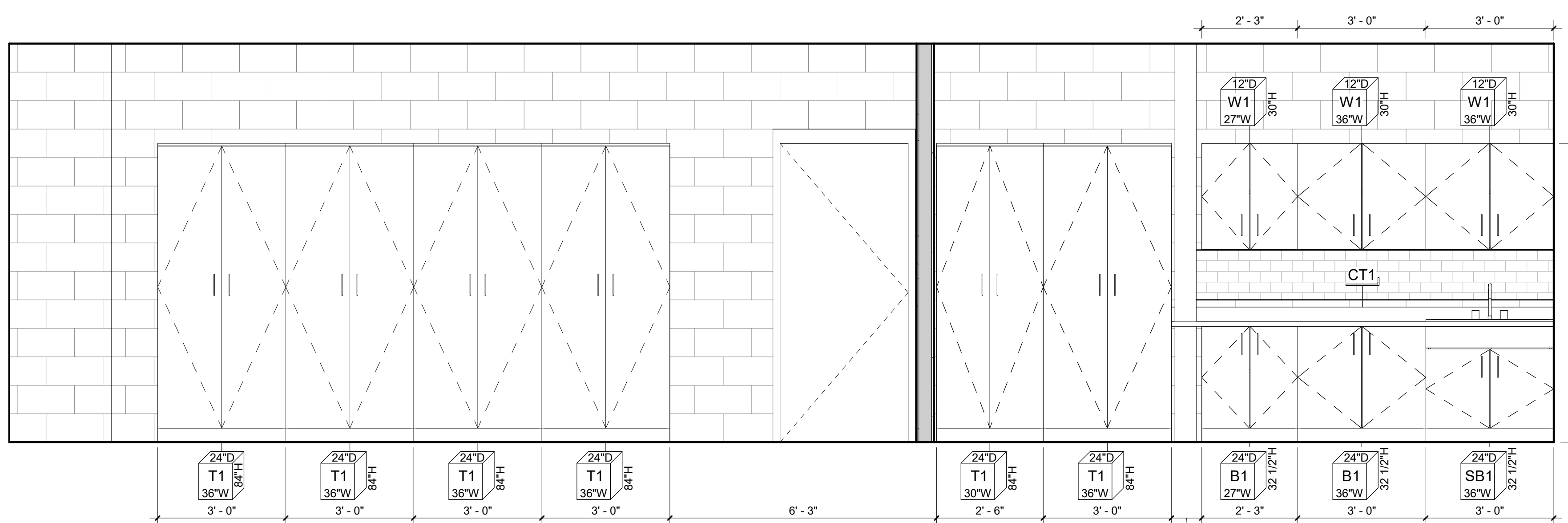
5 STATION 6 - SOUTH
A922 SCALE: 1/2" = 1'-0"



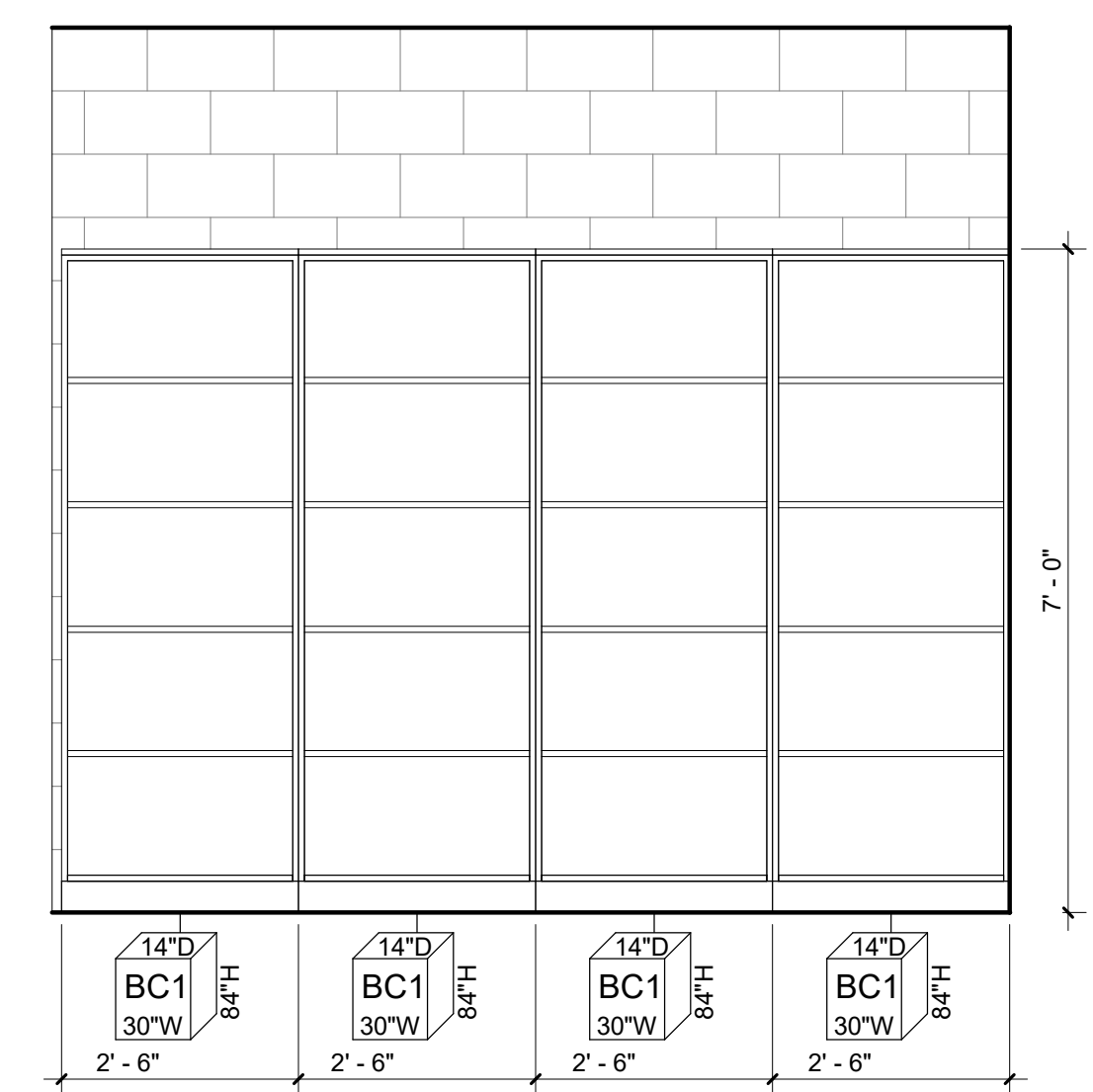
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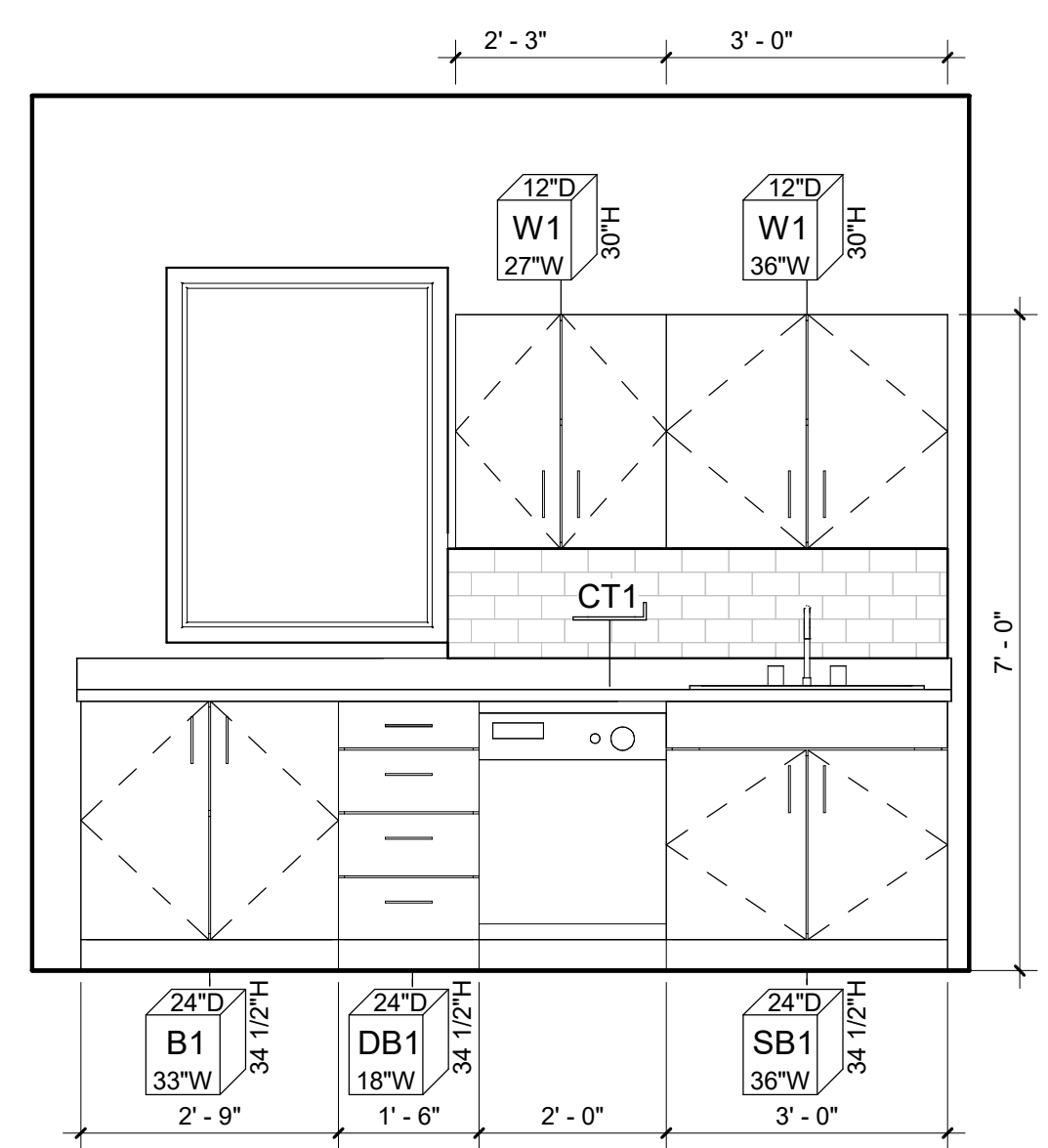
7 RM 101 - NORTH
A922 SCALE: 1/2" = 1'-0"



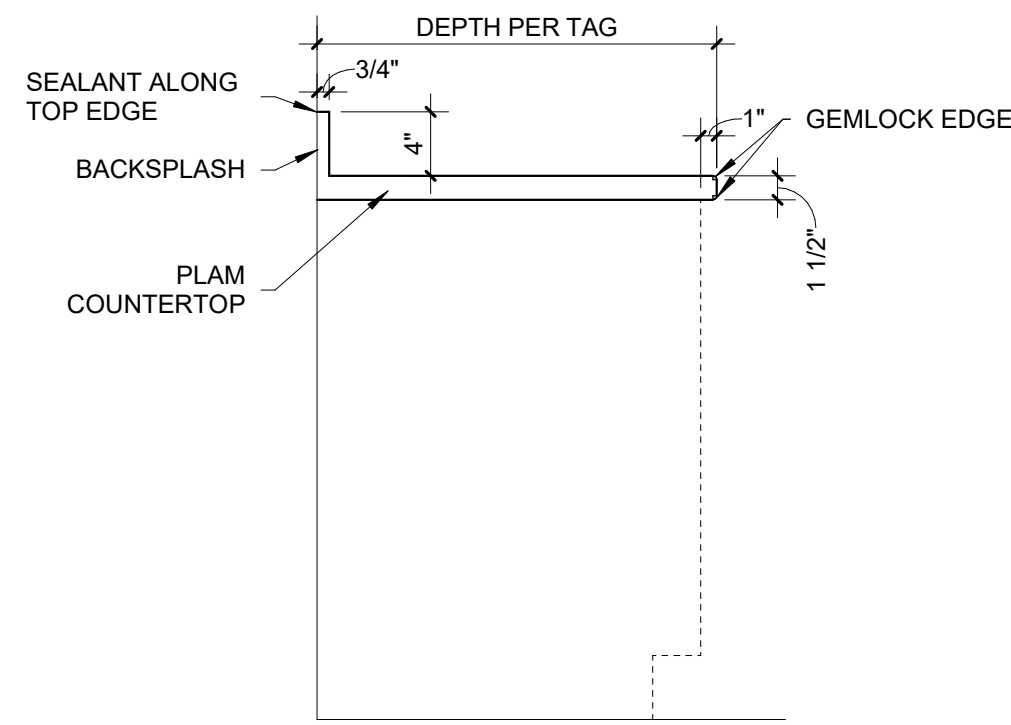
8 RM 102 - EAST
A922 SCALE: 1/2" = 1'-0"



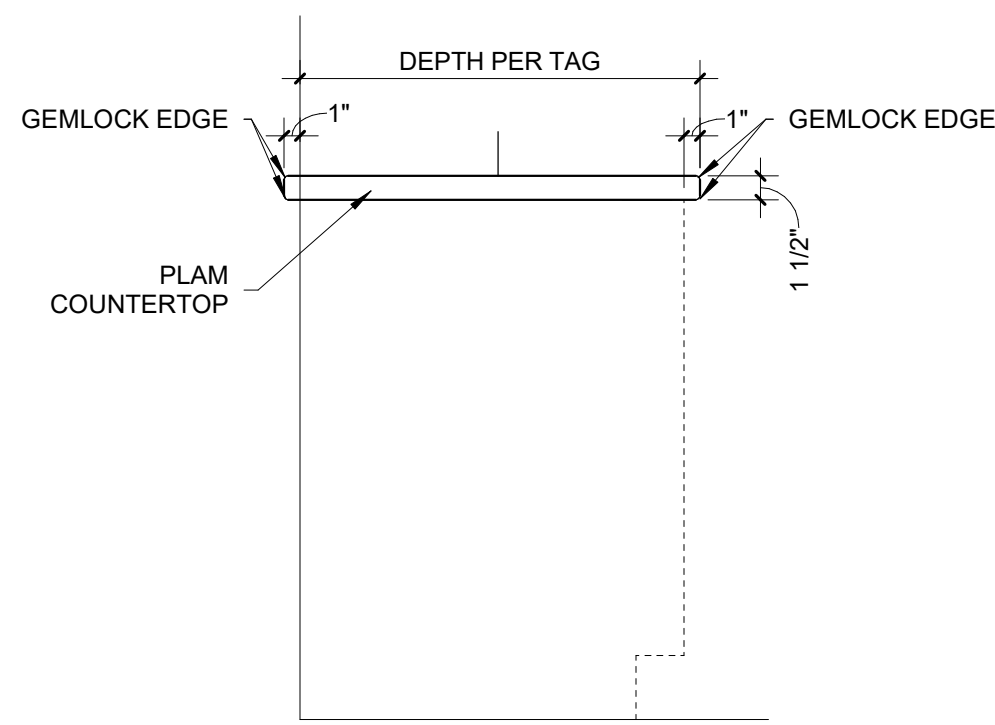
9 OFFICE 104 - EAST
A922 SCALE: 1/2" = 1'-0"



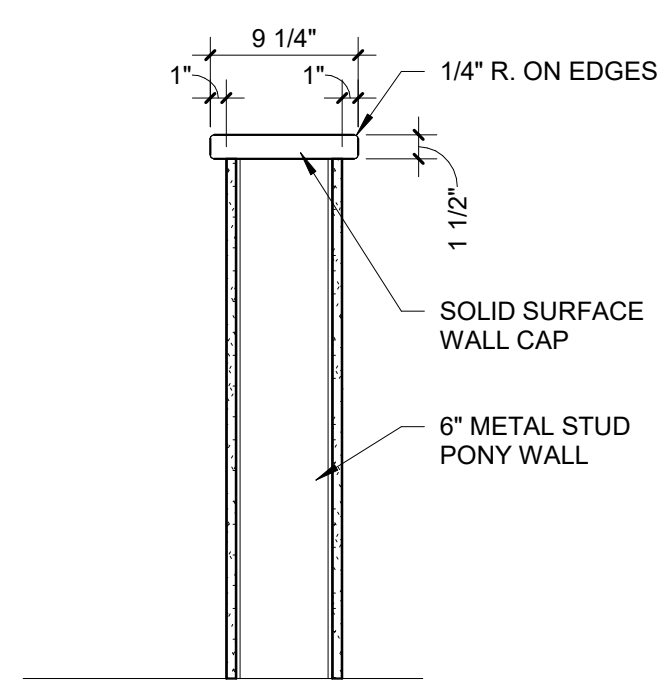
10 RM 105 - NORTH
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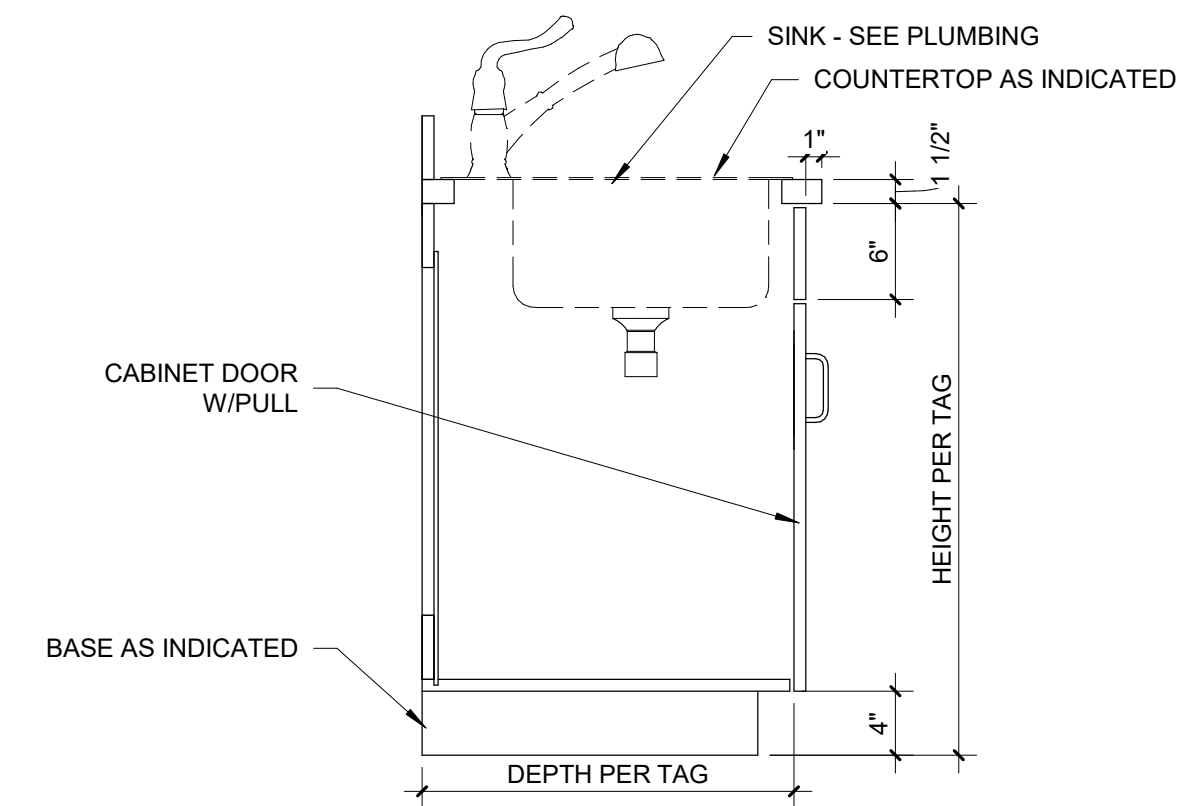
1 CT1
A930 SCALE: 1" = 1'-0"



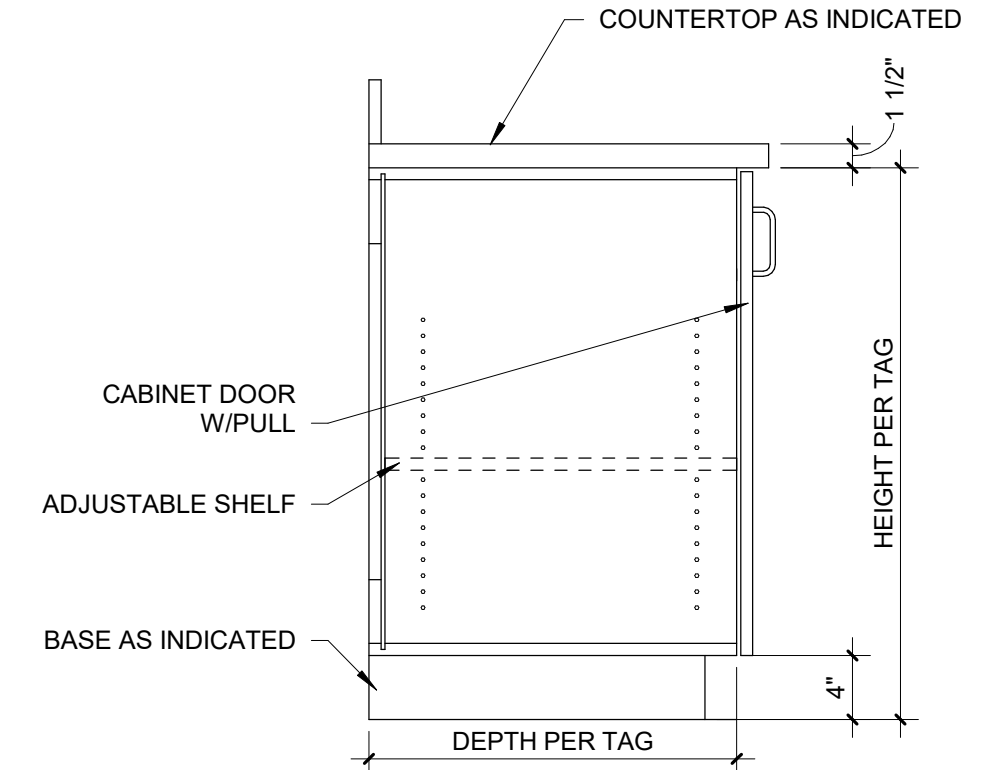
2 CT2
A930 SCALE: 1" = 1'-0"



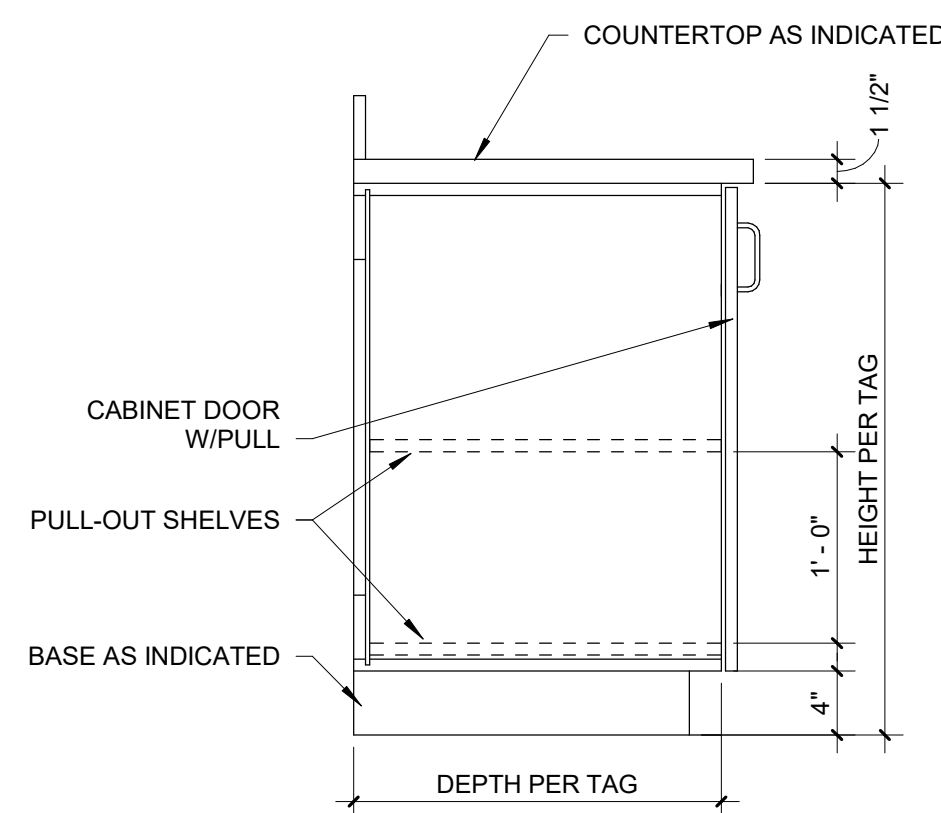
3 CT3
A930 SCALE: 1" = 1'-0"



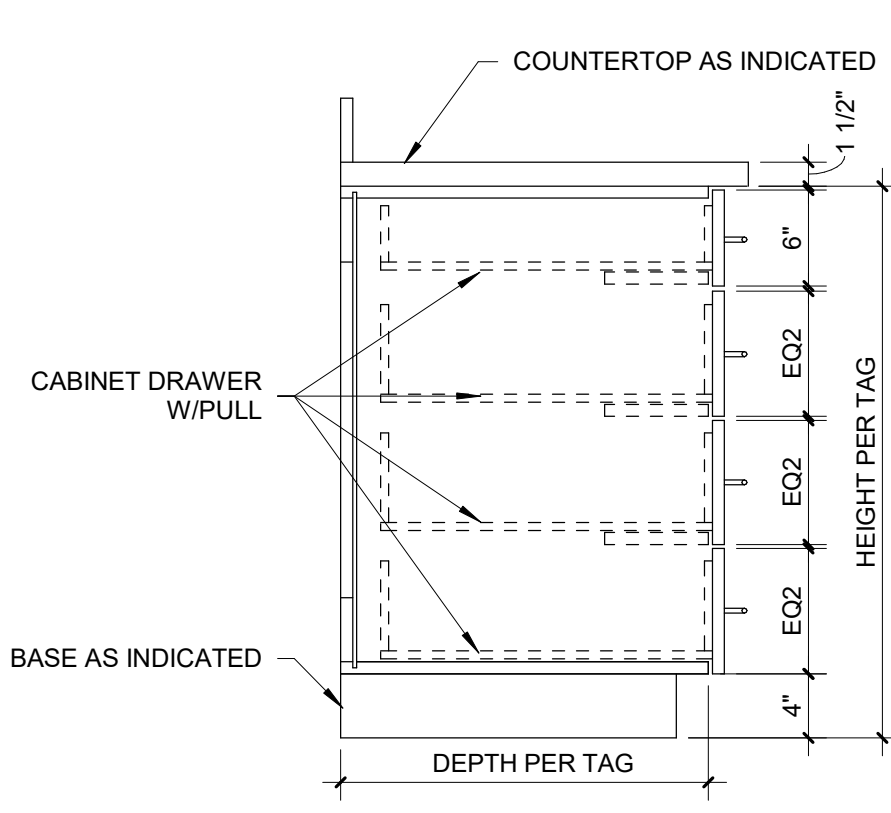
4 SB1
A930 SCALE: 1" = 1'-0"



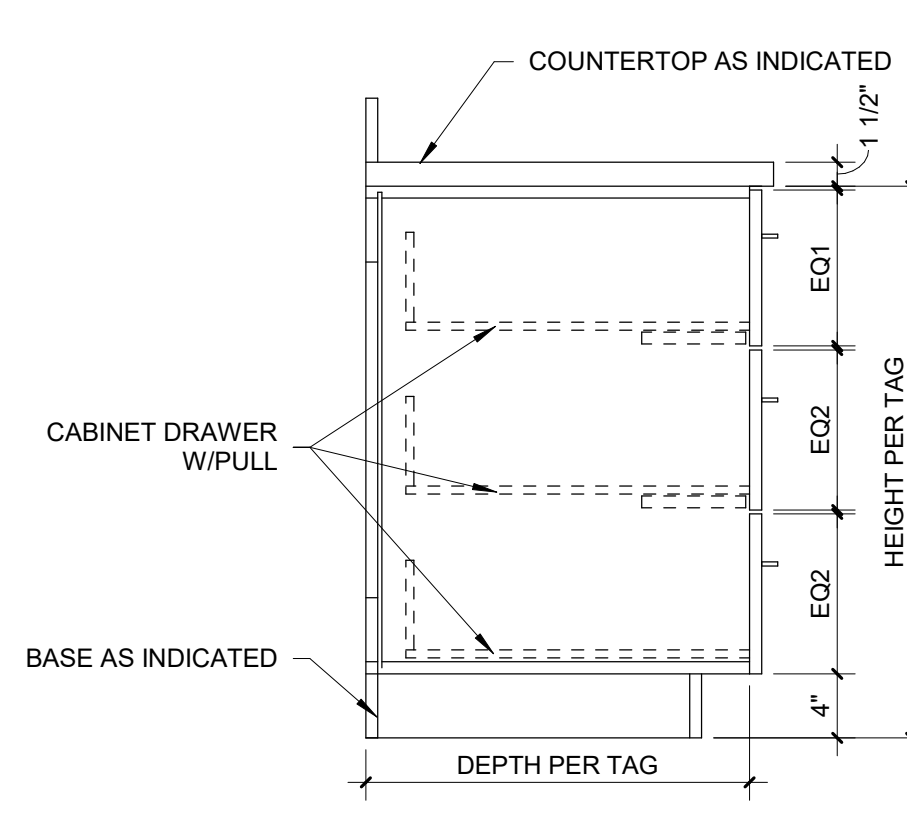
5 B1/B2
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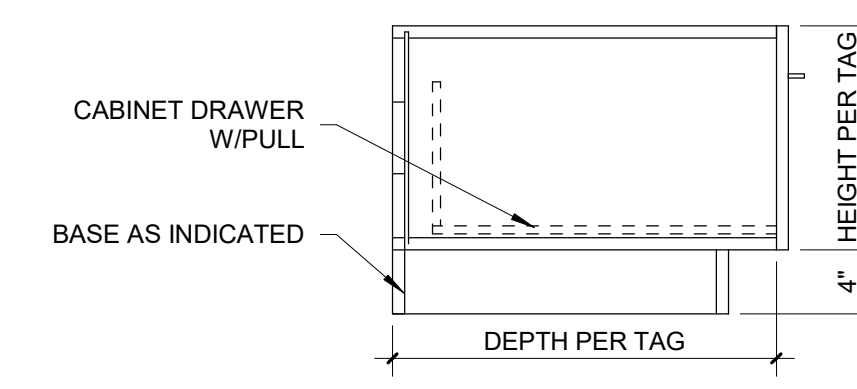
6 B3
A930 SCALE: 1" = 1'-0"



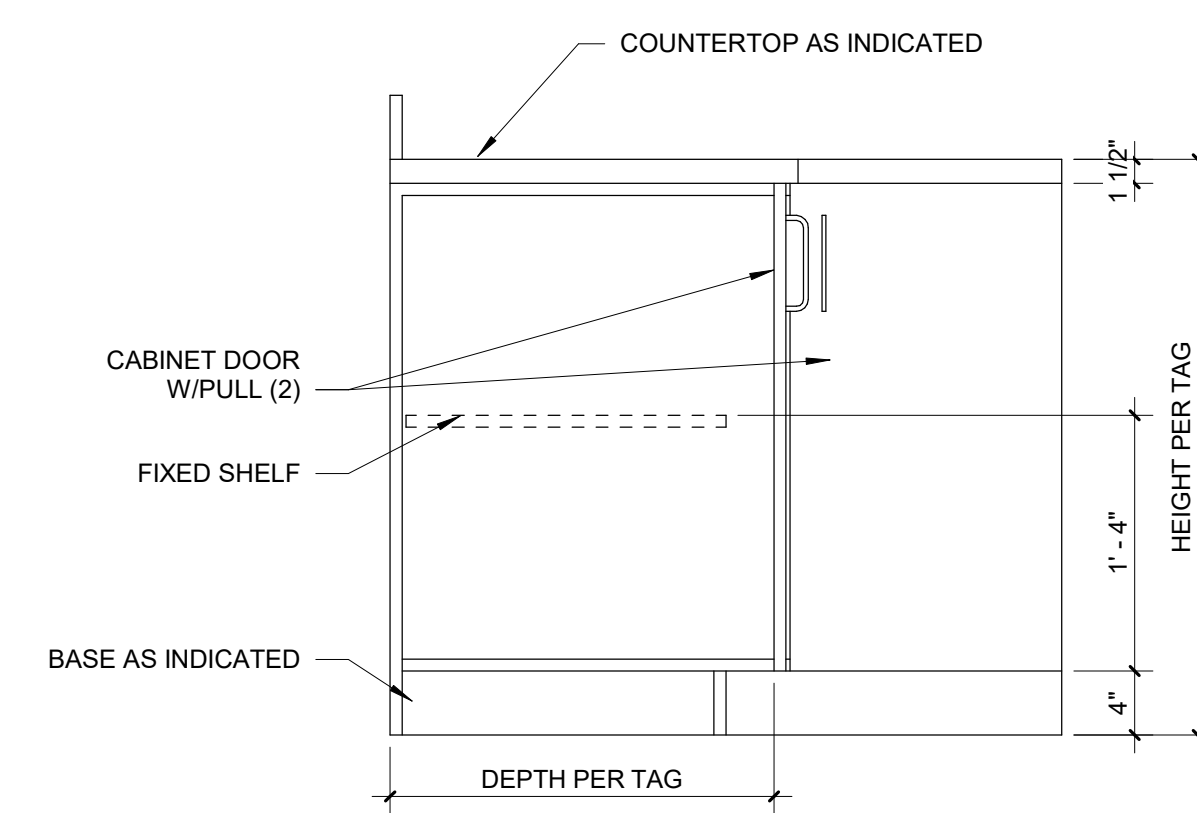
7 DB1 - 4 DRAWER
A930 NOT TO SCALE



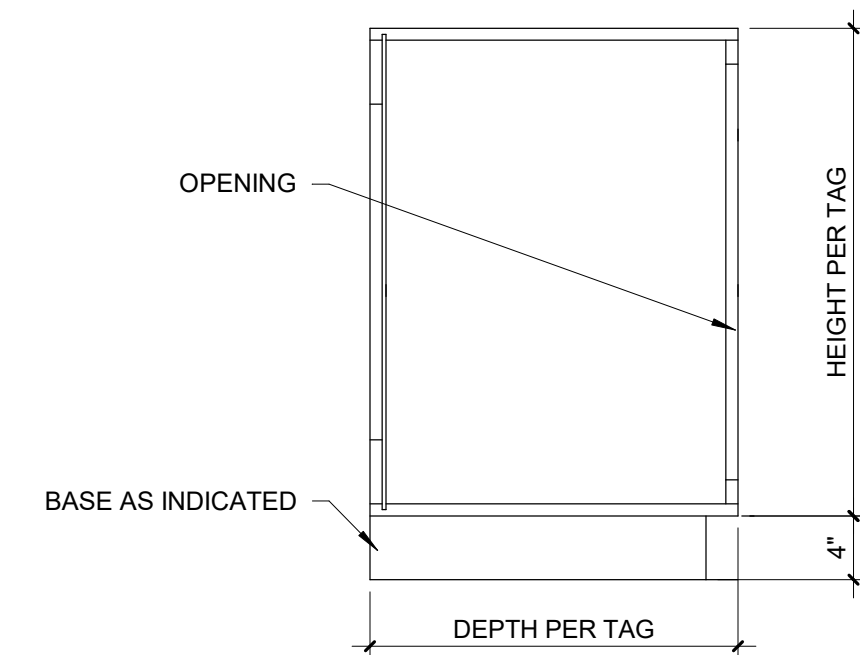
8 DB2/DB3 - 3 DRAWER
A930 SCALE: 1" = 1'-0"



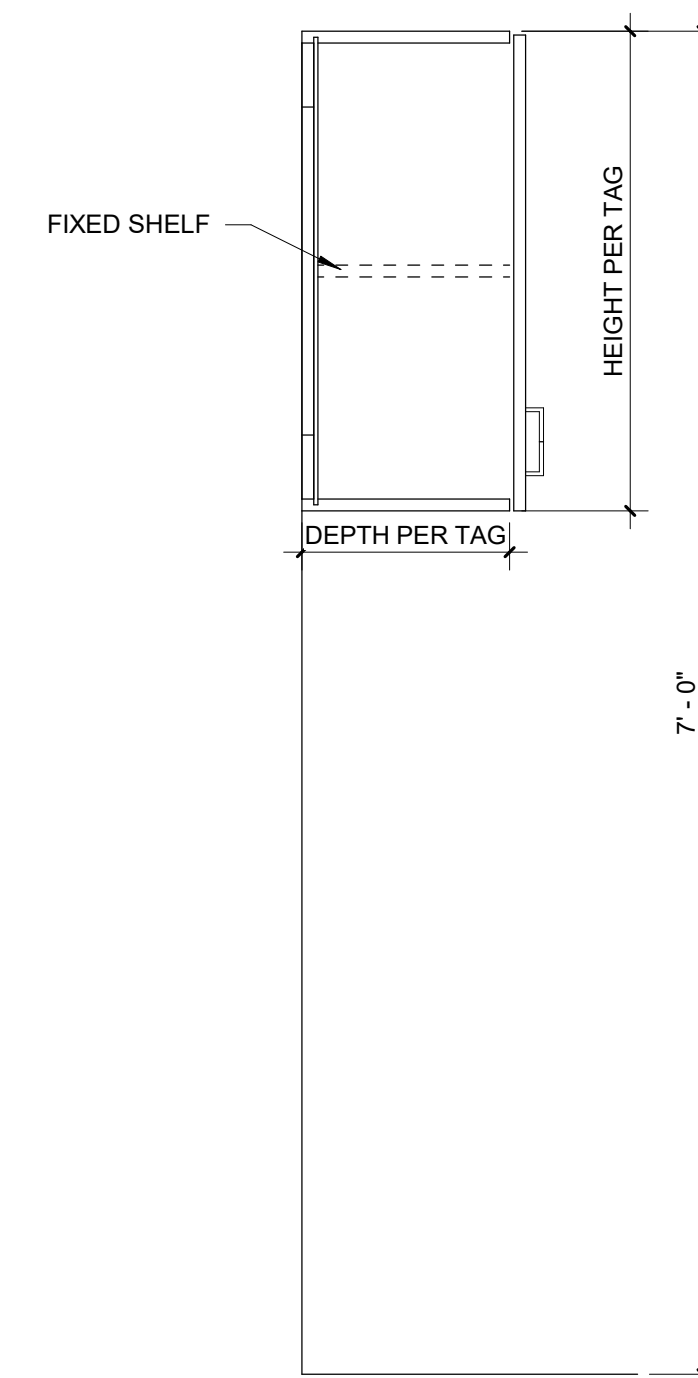
9 DB4 - 1 DRAWER
A930 SCALE: 1" = 1'-0"



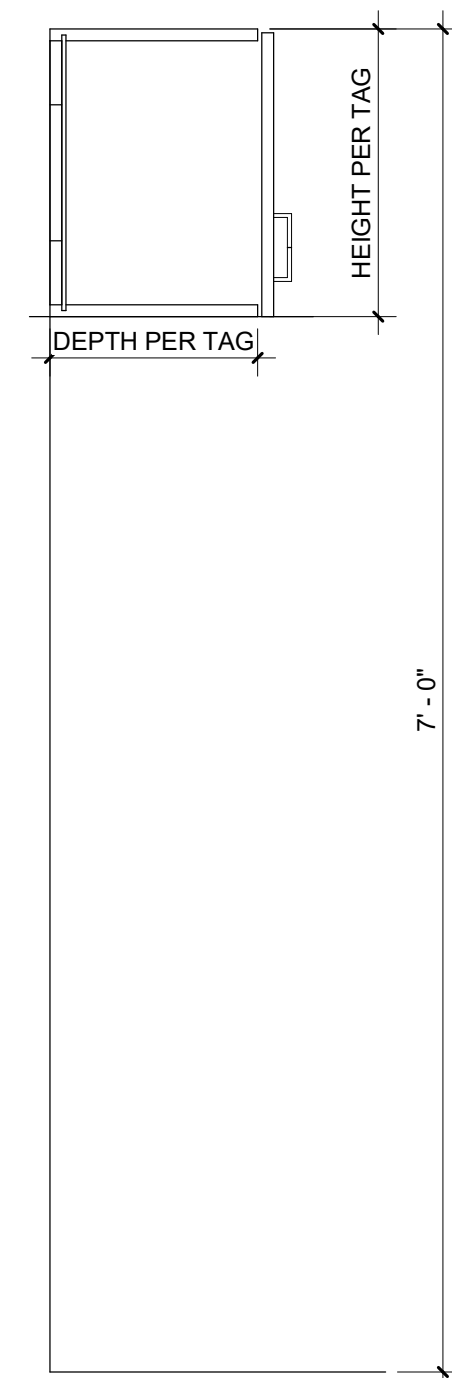
10 CB1 - CORNER BASE
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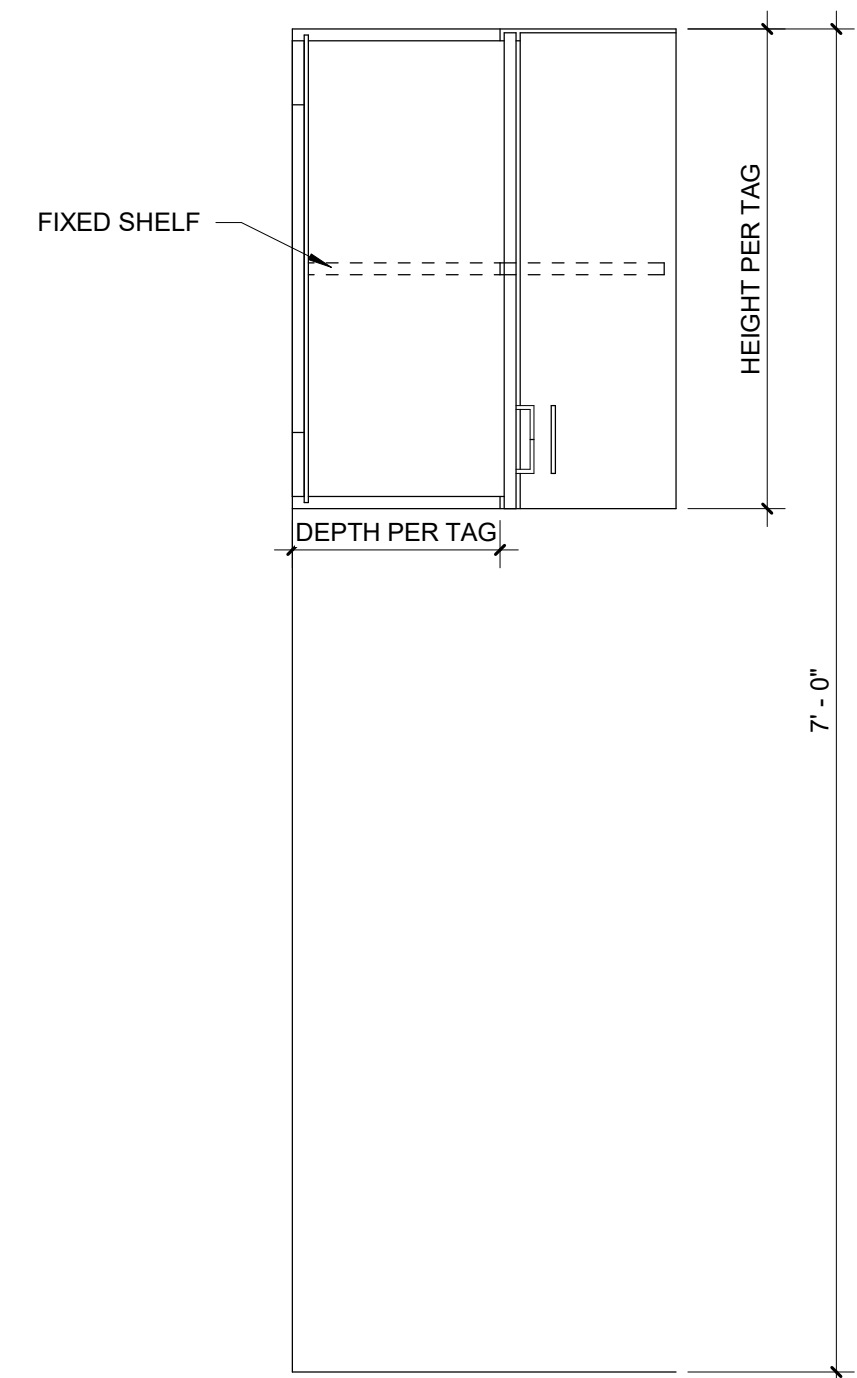
11 OB1
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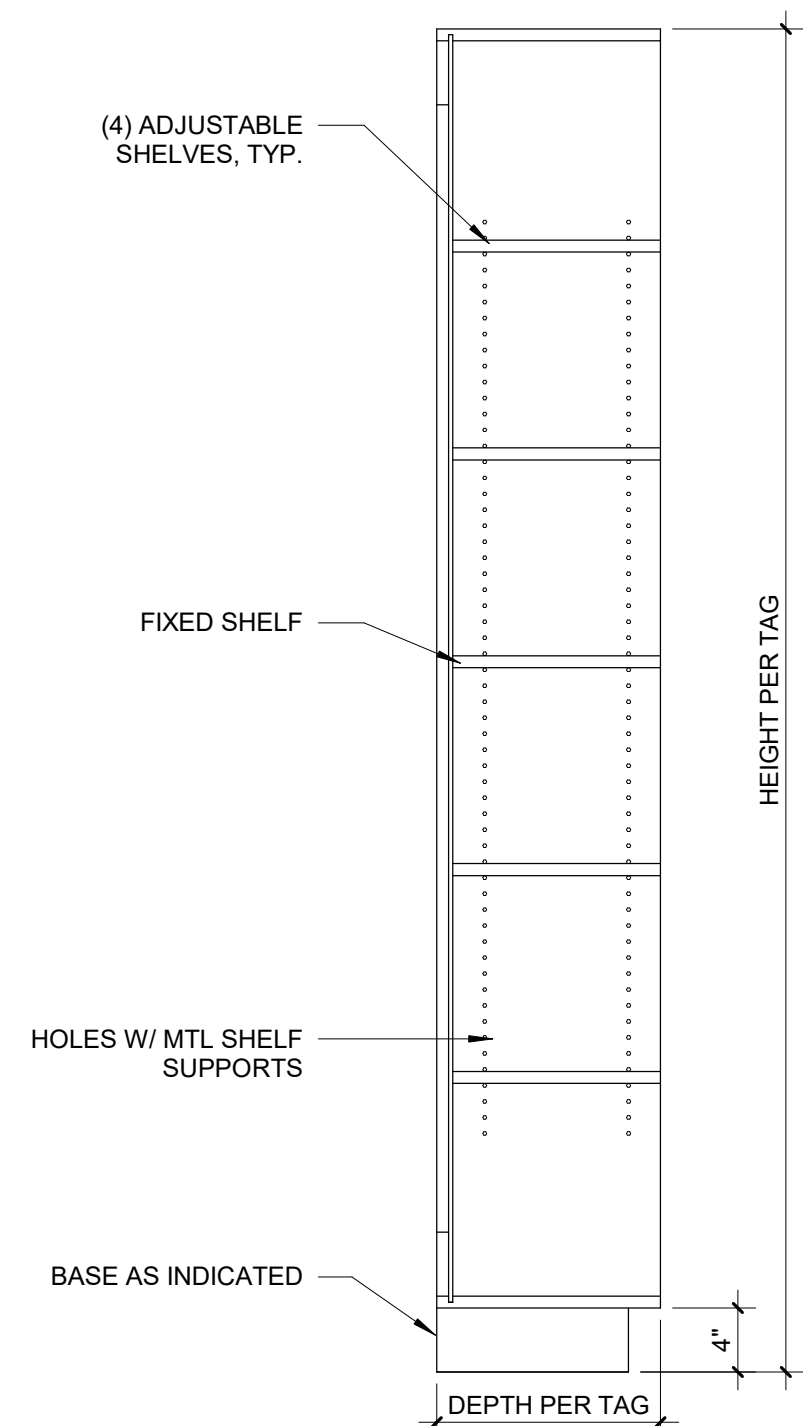
12 W1
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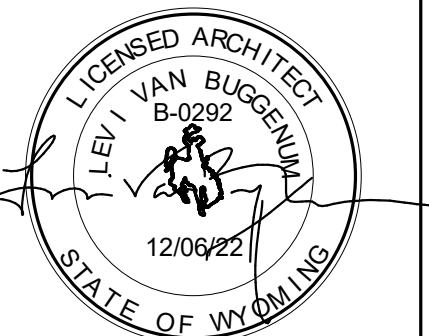
13 W2
A930 SCALE: 1" = 1'-0"



14 CW1
A930 SCALE: 1" = 1'-0"



15 BC1
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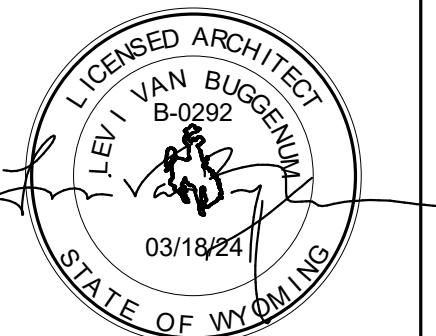
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CASEWORK DETAILS



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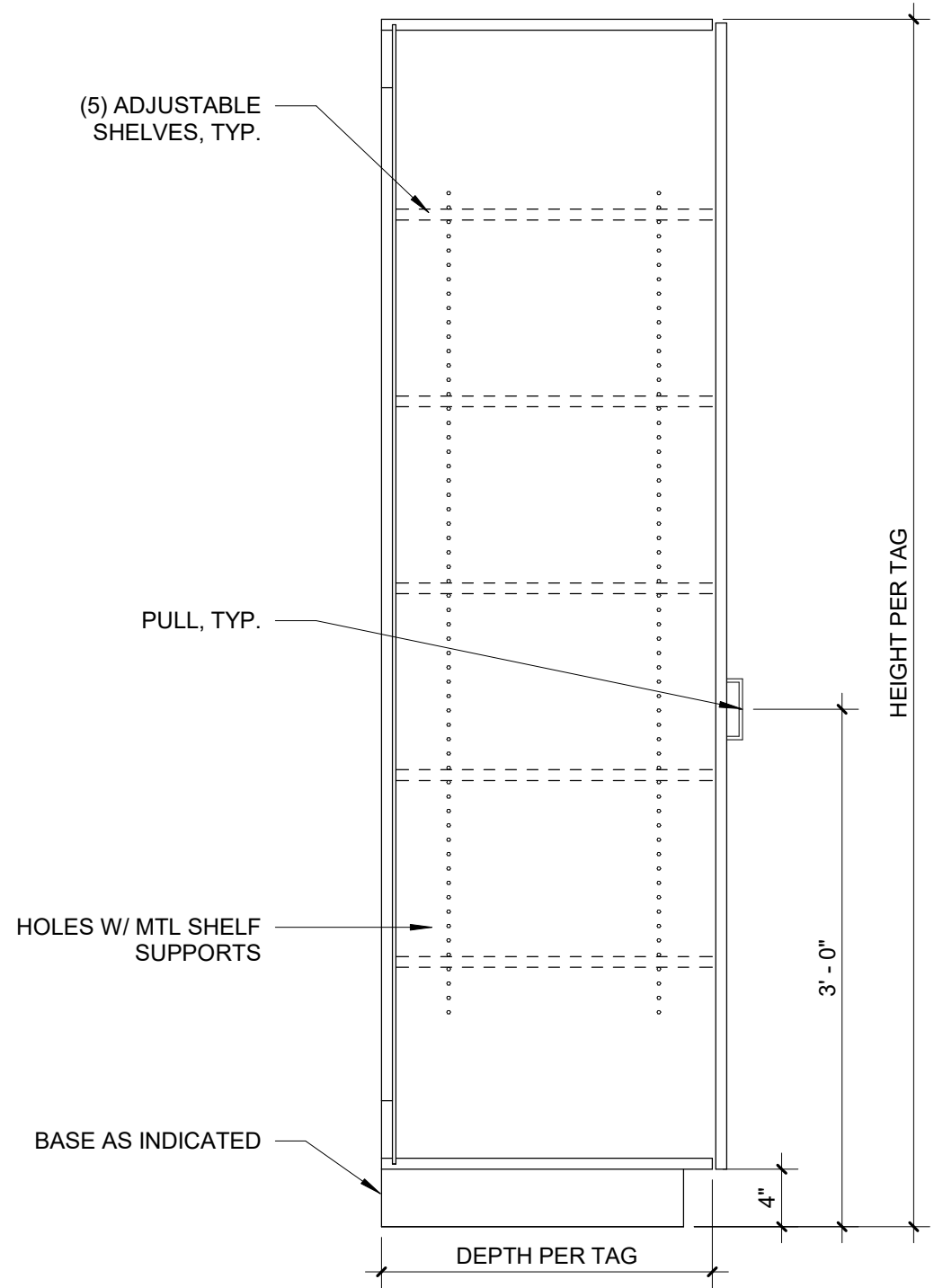
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DATE:
3-22-2024

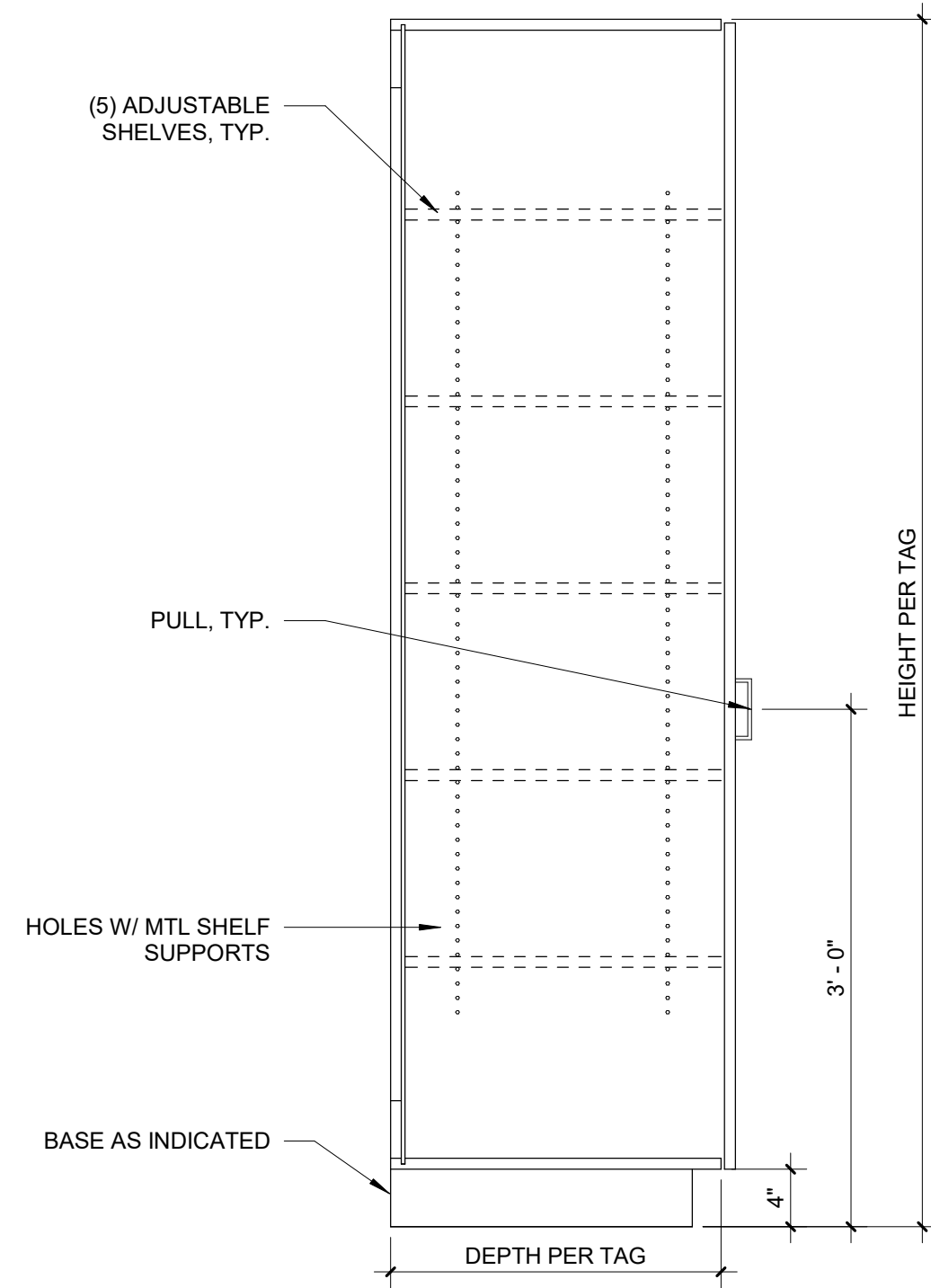
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CASEWORK DETAILS

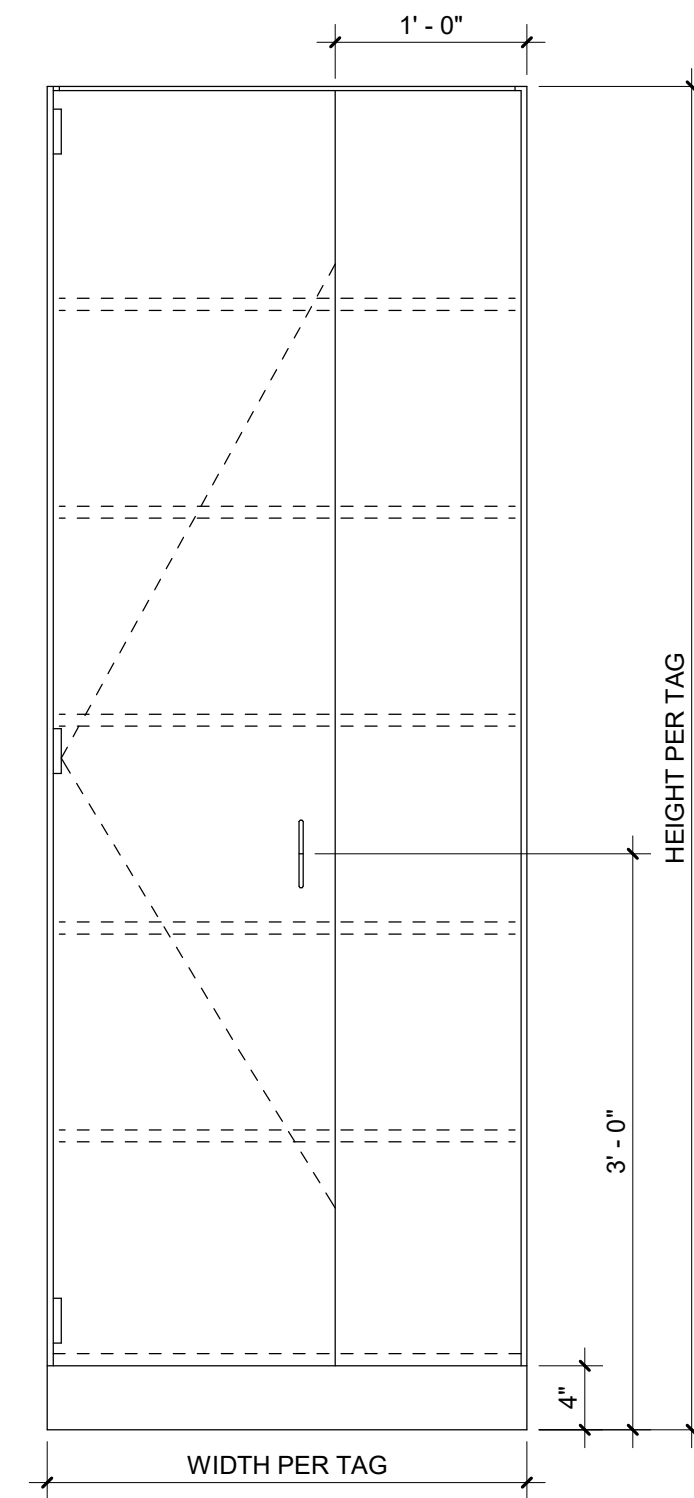
A931



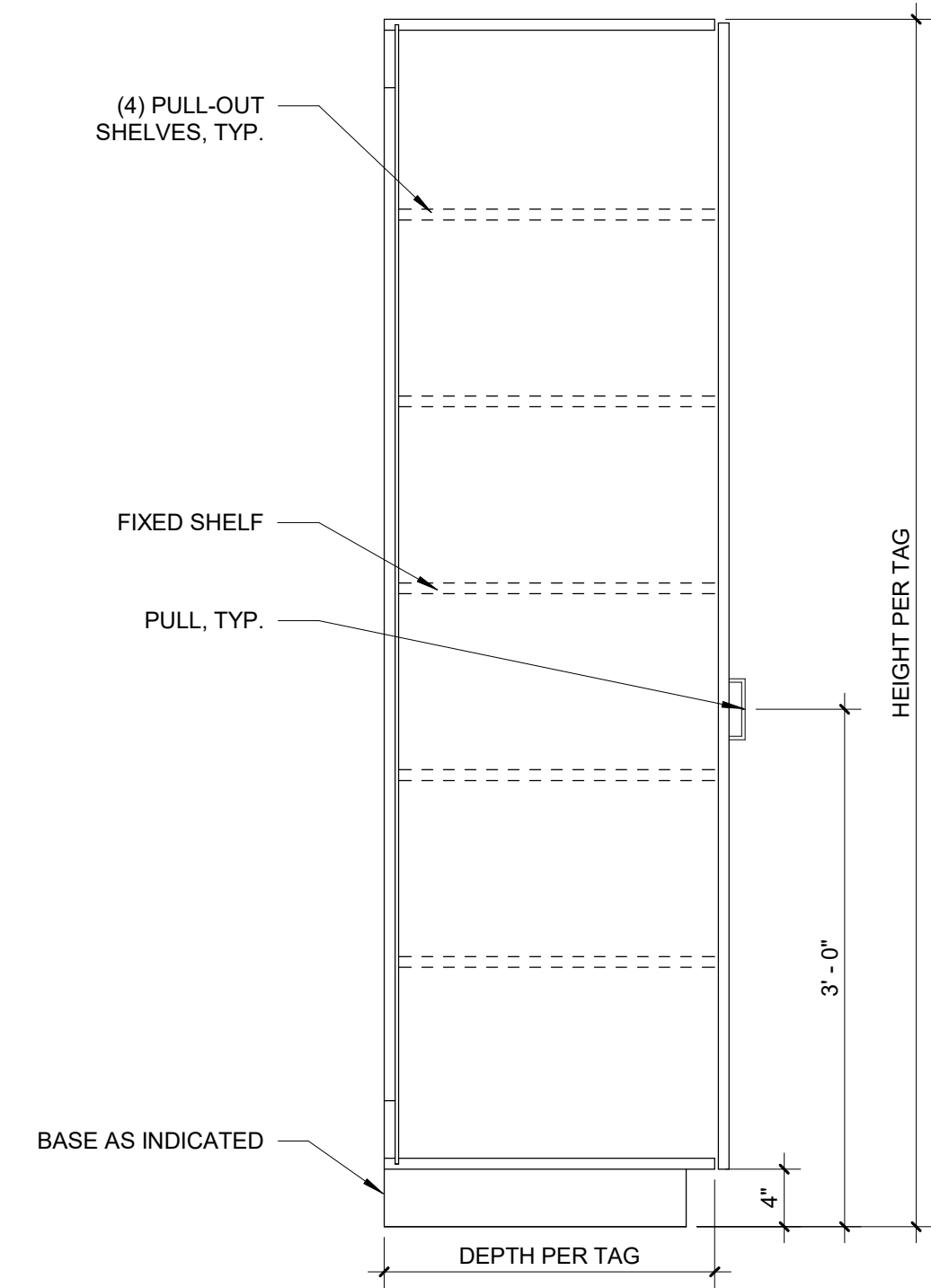
1 T1
A931 SCALE: 1" = 1'-0"



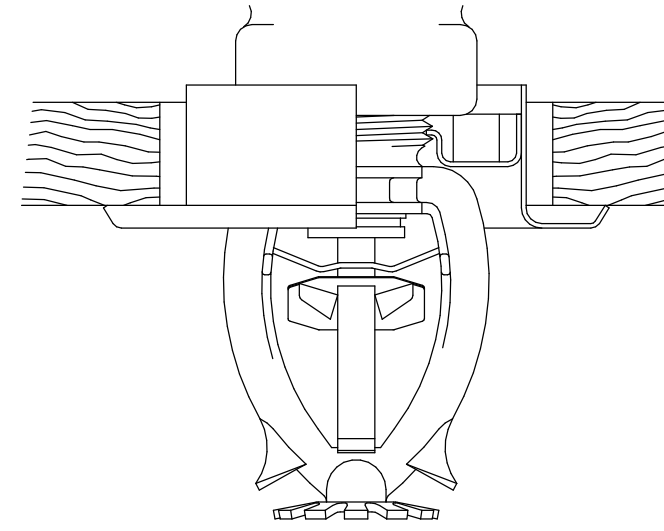
2 T2 - BLIND CORNER
A931 SCALE: 1" = 1'-0"



3 T2 - ELEVATION
A931 SCALE: 1" = 1'-0"



4 T3 - PULL-OUT
A931 SCALE: 1" = 1'-0"



1 TYPICAL SEMI-RECESSED FIRE SPRINKLER HEAD DETAIL
NOT TO SCALE

NOTES:
 1. THIS HEAD STYLE TO BE USED IN ALL AREAS WITH NEW LAY-IN AND HARD-LID CEILING UNLESS OTHERWISE NOTED. HEAD TO BE WHITE FINISH WITH WHITE ESCUTCHEON. HEAD SHALL BE PROVIDED WITH A WHITE FINISH FROM THE SPRINKLER MANUFACTURE, NO NO FIELD PAINT THE FIRE SPRINKLER HEADS OR ESCUTCHEONS DURING CONSTRUCTION.

FIRE SPRINKLER NOTES & LEGEND

FIRE SPRINKLER PERFORMANCE SPECIFICATION NOTES:

1. THE INTENT OF THESE DRAWINGS ARE TO PROVIDE PERFORMANCE BASED GUIDELINES FOR FIRE SPRINKLER HEAD PLACEMENT AND PIPE ROUTING IN CRITICAL AREAS. THE FIRE SPRINKLER CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF EXISTING CONDITIONS, DESIGN OF THE NEW FIRE SPRINKLER SYSTEMS, PREPARATION OF FINAL SHOP DRAWINGS BASED ON THE PROCEEDING NOTES, DRAWINGS, AND THE PROJECT SPECIFICATIONS, AND THE COMPLETE INSTALLATION OF THE FIRE SPRINKLER SYSTEM WHICH MEETS ALL OF THE REQUIREMENTS OUTLINED WITHIN THESE DRAWINGS, SPECIFICATIONS, AND CODE(S). THE FIRE SPRINKLER CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS UPON COMPLETION OF WORK WHICH REFLECT ACTUAL INSTALLATION CONDITIONS.
2. FIRE SPRINKLER CONTRACTOR SHALL DEVELOP, PRODUCE, AND SUBMIT ENGINEERED FIRE SPRINKLER DESIGN CALCULATIONS, PRODUCT DATA SHEETS, AND DRAWINGS (SHOP DRAWINGS) TO THE ARCHITECT / ENGINEER FOR REVIEW AND APPROVAL. THEREAFTER SUBMIT THE SHOP DRAWING TO THE AUTHORITY HAVING JURISDICTION (AHJ) FOR REVIEW AND APPROVAL. AFTER AHJ HAS REVIEWED AND APPROVED THE CALCULATIONS, PRODUCT DATA SHEETS, AND DRAWINGS, FIRE SPRINKLER CONTRACTOR SHALL SUBMIT THE DRAWINGS AND CALCULATIONS TO THE ENGINEER FOR FINAL REVIEW AND APPROVAL PRIOR TO ANY FIRE SPRINKLER SYSTEM INSTALLATION.
3. THIS PROJECT CONSISTS OF A REMODEL TO A PORTION OF THE EXISTING BUILDING. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL EXISTING HEADS IN THE REMODEL AREA AND ADDING FIRE SPRINKLER HEADS AND PIPING IN THE REMODELED AREAS AS REQUIRED FOR NEW CEILING LAYOUTS, DUCTWORK, PIPING, AND ELECTRICAL SYSTEM INSTALLATIONS. INSTALL PER REQUIREMENTS OF NFPA 13. REFER TO FP101 FOR WORK EXTENTS IN THE REMODEL AREA.
4. REFER TO THE ARCHITECTURAL DRAWINGS AND THE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. THE FIRE SPRINKLER CONTRACTOR SHALL REVIEW A FULL SET OF PLANS AND PROJECT SPECIFICATIONS FOR SPECIFIC WORK OUTLINES AND COMPLETION DATES. THE FIRE SPRINKLER CONTRACTOR SHALL MAKE THE NECESSARY PROVISIONS AND WORK CLOSELY WITH OTHER PROJECT DISCIPLINES TO COMPLETE WORK BY THE SPECIFIED COMPLETION DATE.
5. UPON THE CONTRACTORS REQUEST, ELECTRONIC DRAWING FILES OF THE PROJECTS FLOOR PLANS / REFLECTIVE CEILING PLANS CAN BE PROVIDED FOR CONVENIENCE AND USE IN THE PREPARATION OF SHOP DRAWINGS RELATED TO THE PROJECT SUBJECT TO AGREED UPON TERMS AND CONDITIONS. CONTRACTOR SHALL BE REQUIRED TO SUBMIT AN ACCEPTANCE LETTER OF THE TERMS AND CONDITIONS PRIOR TO RELEASE OF THE ELECTRONIC DRAWINGS. COORDINATE WITH THE PROJECT ENGINEER FOR ADDITIONAL REQUIREMENTS.
6. THE PREPARATION OF ALL SHOP DRAWINGS AND HYDRAULIC CALCULATIONS SHALL BE ACCOMPLISHED AND STAMPED BY A REGISTERED ENGINEER, LICENSED IN THE STATE OF WYOMING.
7. EXISTING FACILITY FIRE SPRINKLER DRAWINGS ARE AVAILABLE FROM ASSOCIATED CONSTRUCTION ENGINEERING, INC. IN PDF FORMAT PRIOR TO BIDDING AND DURING CONSTRUCTION. CONTACT MONTE ROMA AT 307-673-5300 OR EMAIL MONTER@ACEMT.COM.

FIRE SPRINKLER PROJECT NOTES:

1. FIRE SPRINKLER SYSTEM SHALL COMPLY WITH THE INSURANCE SERVICES OFFICE REQUIREMENTS, NFPA 13, ALL OTHER APPLICABLE STATE AND LOCAL CODES. REFER TO ALL EXISTING DRAWINGS AND ALL NEW ARCHITECTURAL, STRUCTURAL, ELECTRICAL, MECHANICAL, AND PLUMBING PLANS AND SPECIFICATIONS FOR COMPLETE SECTIONS, ROOM NAMES, DETAILS, AND BUILDING PLANS.
2. FIRE SPRINKLER SYSTEM SHALL BE DESIGNED TO PROVIDE A HYDRAULIC DENSITY AS REQUIRED BY CODE.
3. 1" THRU 2" PIPES SHALL BE SCHEDULE 40 WITH THREADED SCREWED OR GROOVED FITTINGS. 2-1/2" THRU 4" PIPES SHALL BE SCHEDULE 10 WITH GROOVED FITTINGS.
4. FIRE SPRINKLER SYSTEM TEST SHALL BE WITNESSED BY THE AUTHORITY HAVING JURISDICTION PRIOR TO ANY PORTION BEING CONCEALED. GIVE 48 HOURS NOTICE PRIOR TO SYSTEM TEST.
5. NO INSTALLATION OF ANY PIPING OR EQUIPMENT IS TO BEGIN PRIOR TO APPROVAL OF THE PLANS AND ISSUANCE OF A PERMIT BY THE AUTHORITY HAVING JURISDICTION.
6. COORDINATE ROUTING AND LOCATION OF FIRE SPRINKLER SYSTEM WITH ALL OTHER TRADES PRIOR TO SHOP DRAWING PREPARATION. DUCTWORK INSTALLATION SHALL HAVE ROUTING PRIORITY.
7. FIRE SPRINKLER HEADS SHALL BE CENTERED IN THE LENGTH AND WIDTH OF 2'X2' AND 2'X4' OR OTHER SIZES OF CEILING TILES. THE USE OF NFPA APPROVED STAINLESS STEEL BRAIDED FLEXIBLE SPRINKLER HOSE ASSEMBLIES WITH CEILING MOUNTING BRACKET IS PERMISSIBLE.
8. PROVIDE OWNER WITH SPARE SPRINKLERS PLUS SPRINKLER WRENCH FOR EACH TYPE OF FIRE SPRINKLER HEAD USED ON THIS PROJECT. INCLUDE NUMBER OF SPRINKLERS REQUIRED BY NFPA 13 AND SPRINKLER WRENCH. LOCATE SPARE SPRINKLERS AND WRENCH IN THE EXISTING WALL-MOUNTED CABINET IN THE FIRST FLOOR MECHANICAL ROOM NEAR THE EXISTING FIRE SPRINKLER RISER ASSEMBLY.
9. FIRE SPRINKLER HEADS SHALL BE SEMI-RECESSED WITH WHITE ESCUTCHEON IN ALL NEW LAY-IN AND HARD LID CEILING CONFIGURATIONS. REFER TO DETAILS 1/FP001 ON THIS SHEET AND THE PROJECT SPECIFICATIONS FOR FURTHER REQUIREMENTS.
10. FIRE SPRINKLER CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO BIDDING AND THROUGHOUT THE DURATION OF CONSTRUCTION.

FIRE SPRINKLER HAZARD CLASSIFICATIONS:

LIGHT: OFFICES, COMMON SPACES, RESTROOMS, CONFERENCE ROOMS, ETC.
 ORDINARY GROUP I: MECHANICAL ROOMS, STORAGE ROOMS, JANITOR'S CLOSETS

FIRE FLOW INFORMATION:

FIRE PROTECTION CONTRACTOR SHALL TEST / VERIFY FLOW DATA PRIOR TO START OF FIRE PROTECTION SHOP DRAWINGS.

EXISTING CEILING NOTE

MECHANICAL, PLUMBING AND FIRE SPRINKLER CONTRACTORS SHALL DETERMINE AND INSTRUCT THE GENERAL AND ELECTRICAL CONTRACTORS ON THE AMOUNT AND LOCATIONS OF EXISTING CEILING TO BE REMOVED AND RE-INSTALLED TO SUPPORT THE DEMOLITION AND REMODEL EFFORTS FOR THE PROJECT PRIOR TO BIDDING AND THROUGHOUT THE DURATION OF CONSTRUCTION. REFER TO THE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

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REVISIONS

NO.	DESCRIPTION	DATE

PROJECT NUMBER:
2023-70

DATE:
3-22-2024

ISSUE:
100% CDs

FIRE PROTECTION COVER SHEET

FP001

FIRE PROTECTION SHEET LIST

FP001	FIRE PROTECTION COVER SHEET
FP100	FIRE PROTECTION FIRST FLOOR PLAN

SHERIDAN HIGH SCHOOL - FACS RENOVATION

- ### FIRE PROTECTION KEYNOTES
- 1 INSTALL NEW SEMI-RECESSED FIRE SPRINKLER HEADS AND PIPING TO SERVE THE AREAS WHERE NEW LAY-IN CEILINGS ARE TO BE INSTALLED. RECONFIGURE THE LOCATION OF THE EXISTING FIRE SPRINKLER PIPING MAINS AND BRANCH MAINS AS REQUIRED TO SERVE THE NEW FIRE SPRINKLER HEAD LOCATIONS. REFER TO THE ARCHITECTURAL DRAWINGS FOR NEW CEILING CONFIGURATIONS. REFER TO THE EXISTING CEILING NOTE ON FP100 FOR ADDITIONAL INFORMATION.
 - 2 EXISTING FIRE SPRINKLER SYSTEMS SERVING THE AREAS NOT SHOWN WITHIN THE CROSS HATCHING SHALL REMAIN, NO NEW WORK REQUIRED.

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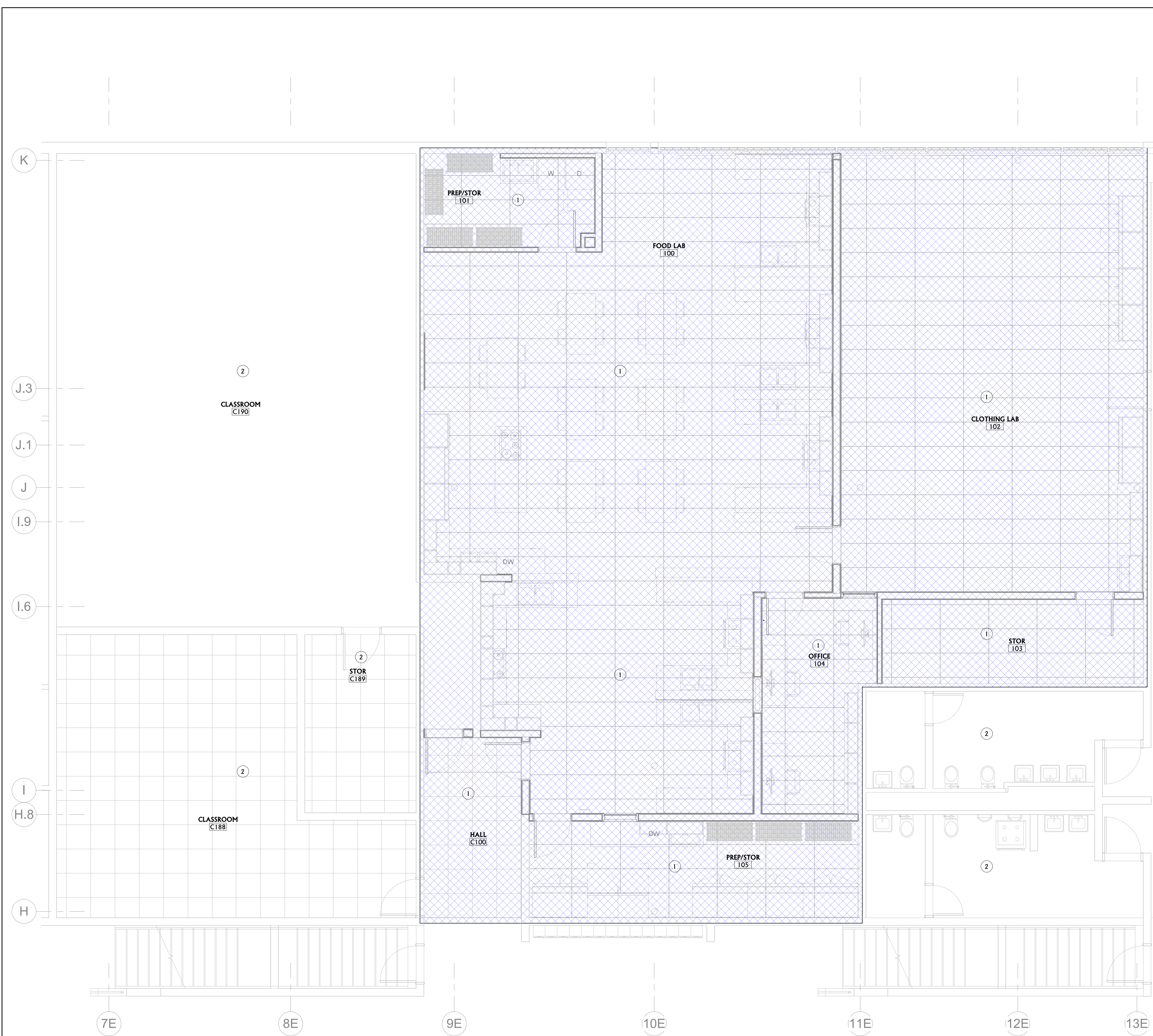
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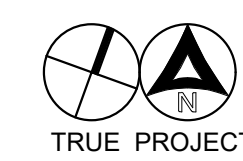
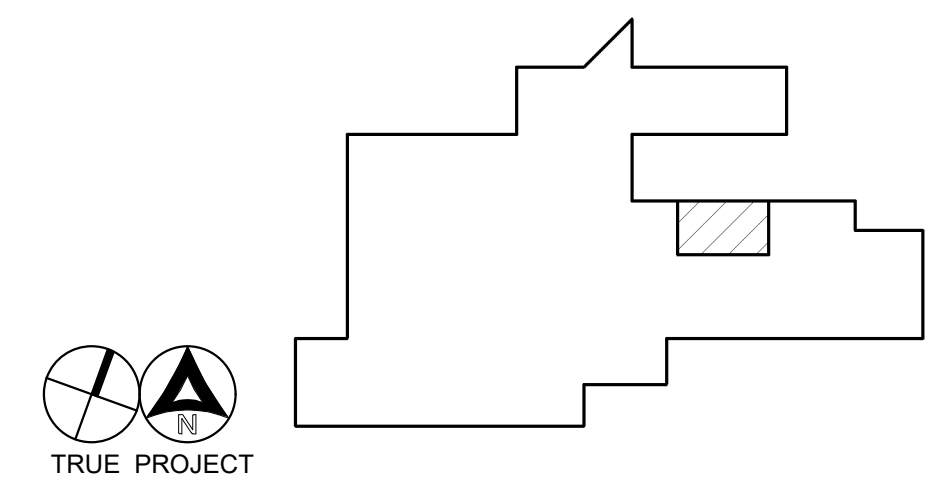
FIRE PROTECTION FIRST FLOOR PLAN

FP100



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

KEY PLAN



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SHERIDAN COUNTY SCHOOL DISTRICT #2



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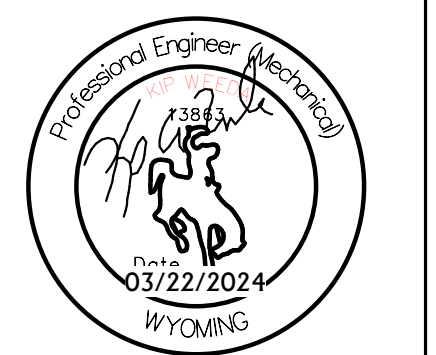
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REVISIONS

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PROJECT NUMBER: 2023-70

DATE: 3-22-2024

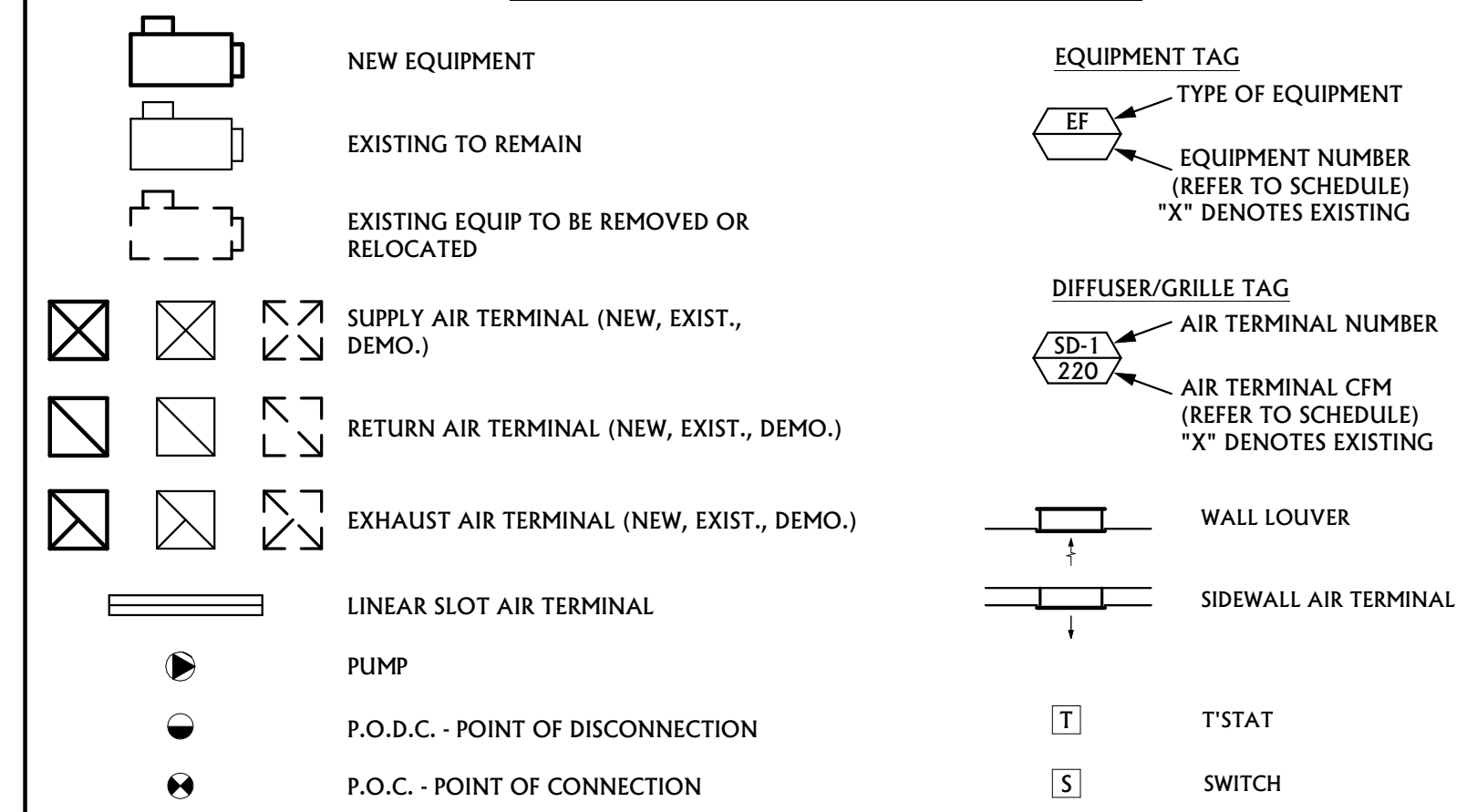
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MECHANICAL COVER SHEET

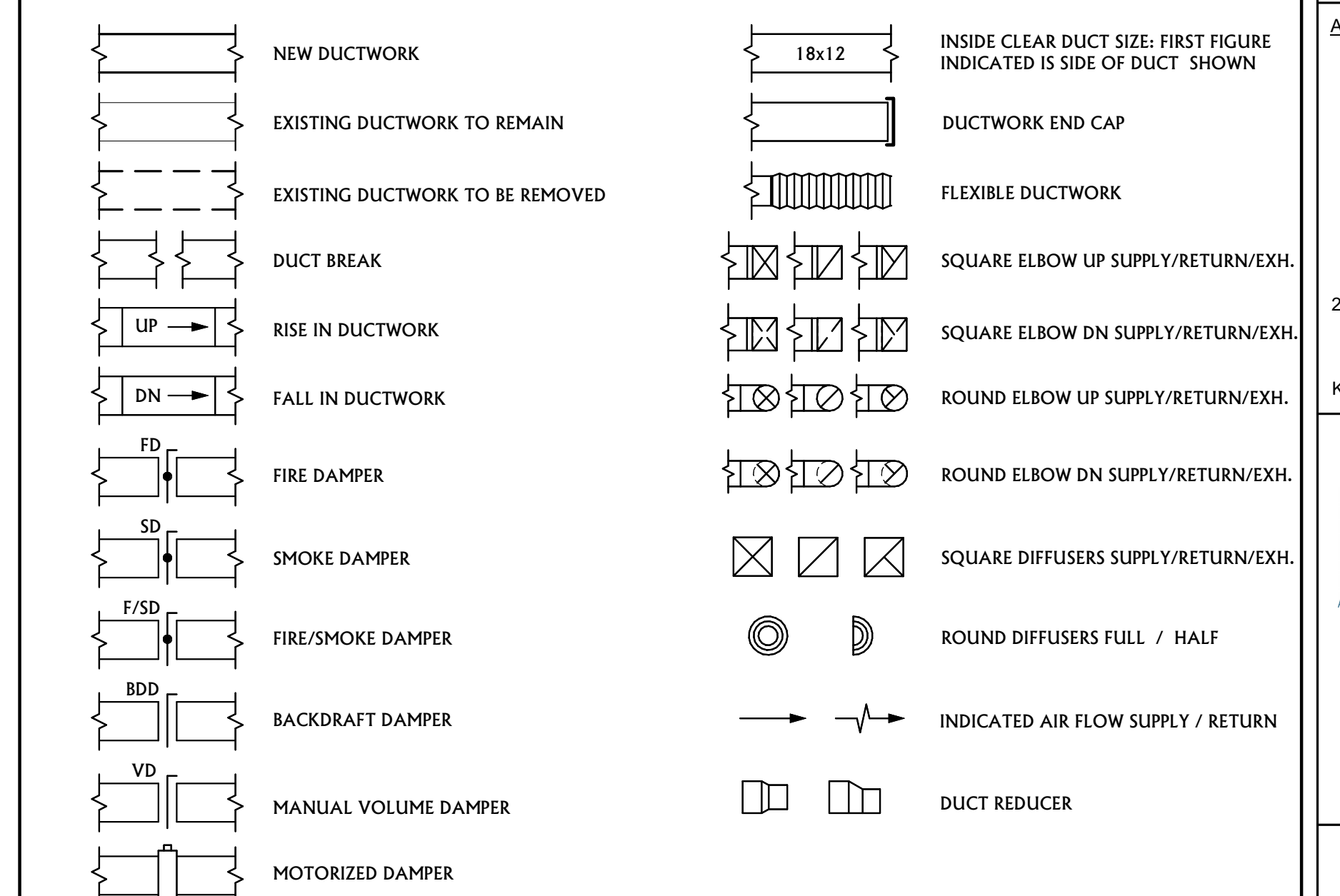
M001

MECHANICAL SYMBOLS LEGEND

AIR TERMINALS, EQUIPMENT & SPECIALTIES



DUCTWORK & ACCESSORIES



DUCTWORK SHADING



HVAC/HYDRONIC PIPING



THIS IS A STANDARDIZED SYMBOLS LEGEND. ALL SYMBOLS SHOWN MAY NOT APPEAR ON OR WITHIN THIS SET OF CONTRACT DOCUMENTS.

WATER TREATMENT NOTES

- 1. THE NEW HEATING HOT WATER SYSTEM SHALL BE CLEANED PRIOR TO CHARGING AND CONNECTING TO THE HYDRONIC SYSTEM. A TEMPORARY LOOP SHALL BE MADE AND FILLED WITH FRESH WATER AND A LIQUID ALKALINE COMPOUND WITH EMULSIFYING AGENTS AND DETERGENTS TO REMOVE GREASE AND PETROLEUM PRODUCTS FROM PIPING. THE SOLUTION SHALL BE CIRCULATED FOR A MINIMUM OF 24 HOURS. EACH SYSTEM SHALL BE DRAINED AND REFILLED WITH THE PROPER MAKE-UP WATER. CONTRACTOR SHALL BLEED ALL AIR FROM THE HEATING HOT WATER SYSTEM.
2. THE EXISTING HEATING HOT WATER SYSTEM CURRENTLY DOES NOT CONTAIN GLYCOL. ALL FEEDWATER FOR THE HEATING HOT WATER SYSTEM SHALL MATCH THE FACILITY'S WATER TREATMENT FOR THEIR EXISTING HEATING HOT WATER SYSTEMS. CONTRACTOR SHALL VERIFY AND DOCUMENT WITH THE OWNER THE EXISTING WATER TREATMENT PRIOR TO CONDUCTING WORK.
3. REFER TO "HVAC WATER TREATMENT" SPECIFICATION 232500 FOR FURTHER INFORMATION AND INSTRUCTIONS.

TEST AND BALANCE NOTES

- 1. ALL BALANCE WORK SHALL BE IN ACCORDANCE WITH NEBB STANDARDS. TEST AND BALANCE CONTRACTOR SHALL BALANCE ALL DEVICES TO A TOLERANCE OF +/- 5%.
2. THE T&B CONTRACTOR SHALL SUBMIT A FINAL TAB REPORT FOR ENGINEER REVIEW AND APPROVAL.
3. REFER TO "TESTING, ADJUSTING, AND BALANCING FOR HVAC" SPECIFICATION 230593 FOR FURTHER INFORMATION AND INSTRUCTIONS.

TEMPERATURE CONTROL NOTES

- 1. TEMPERATURE CONTROL WORK SHALL BE COMPLETED BY LONG BUILDING TECHNOLOGIES.
2. PLENUM RATED CABLING SHALL BE USED. CABLE COLOR SHALL BE BLACK.
3. TEMPERATURE CONTROL CONTRACTOR SHALL COORDINATE DEMOLITION OF THE EXISTING INSTRUMENTATION AND CONTROLS ASSOCIATED WITH THE MECHANICAL EQUIPMENT AND SYSTEM DEMOLITION SHOWN AND FURTHER DESCRIBED ON THE MECHANICAL DRAWINGS.
4. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THERMOSTAT ROUGH-IN AND ELECTRICAL CONDUIT ROUGH-IN FROM THE THERMOSTAT TO ABOVE THE CEILING LINE. COORDINATE WITH THE ELECTRICAL CONTRACTOR.
5. REFER TO "INSTRUMENTATION AND CONTROL FOR HVAC" SPECIFICATION 230900 AND "SEQUENCE OF OPERATIONS FOR HVAC CONTROLS" SPECIFICATION 230993 FOR FURTHER INFORMATION AND INSTRUCTIONS.

RETURN AIR PLENUM NOTE

- 1. THE SPACE ABOVE THE CEILINGS IS BEING USED AS A RETURN AIR PLENUM. ALL MATERIALS IN THE PLENUM MUST MEET 25/50 SMOKE AND FLAME SPREAD RATING. USE PLENUM RATED CABLE FOR TEMPERATURE CONTROL WIRING.

PIPE INSULATION NOTE

- 1. REFER TO THE MECHANICAL DRAWINGS AND SPECIFICATIONS FOR MECHANICAL SYSTEM INSULATION REQUIREMENTS.
2. HYDRONIC PIPING TO BE INSULATED:
A. ALL NEW HEATING HOT WATER PIPING UNLESS OTHERWISE NOTED.
B. ALL EXISTING HEATING HOT WATER PIPING DISTURBED BY THE RENOVATION PROJECT.

DUCT INSULATION SCHEDULE

- INSULATED (WRAPPED) DUCTWORK INCLUDES:
- ALL NEW INTERIOR SUPPLY DUCTWORK.
- ALL EXISTING INTERIOR SUPPLY DUCTWORK DISTURBED BY THE RENOVATION PROJECT.
- ALL INTERIOR DRYER EXHAUST DUCTWORK.
UNINSULATED/UNLINED DUCTWORK INCLUDES:
- ALL NEW INTERIOR EXHAUST DUCTWORK.
ACOUSTICAL LINED DUCTWORK INCLUDES:
- ALL RETURN AIR BOOTS AND TRANSFER AIR DUCTWORK.
NOTES:
- INSULATED FLEXIBLE DUCTWORK SHALL BE USED ONLY WHERE SHOWN ON THE DRAWINGS FOR A MAXIMUM OF 5-FEET LENGTH TO EACH DIFFUSER/REGISTER/GRILLE, UNLESS OTHERWISE NOTED. REFER TO THE DETAILS FOR ADDITIONAL INSTALLATION REQUIREMENTS.
- REFER TO THE DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INSULATION REQUIREMENTS.

BID ALTERNATE NOTES

- 1. REFER TO SPECIFICATION 012300 - ALTERNATES FOR FULL LISTING OF PROJECT BID ALTERNATES.

MECHANICAL SHEET LIST

Table with columns: ID, DESCRIPTION. Lists sheets M001 through M500 including Mechanical Cover Sheet, Schedules, and Piping Plans.

VARIABLE AIR VOLUME UNIT SCHEDULE (W/ HOT WATER COIL) (SITE ELEVATION = 4,000 FT ASL)

PLAN CODE	MANUFACTURER	MODEL NUMBER	INLET SIZE (IN.)	OUTLET SIZE (IN.)	100% CFM	MINIMUM OCCUPIED CFM	HOT WATER COIL (BASED ON 35% PROPYLENE GLYCOL)											MAX DIS/RAD SOUND LEVEL (NC)
							HEATING CAP (MBH)	AIR SIDE				WATER SIDE						
								HTG CFM	EAT (°F)	LAT (°F)	MIN. OPER. P.D. (IN. H2O)	COIL ROWS	GPM	T.C. VALVE TYPE	EWT (°F)	LWT (°F)	MAX P.D. (FT H2O)	
VAV 01	PRICE	SDV	12	20 X 18	975	485	22.1	485	55	102.5	0.13	2	1.0	2-WAY	180	132	< 0.30	< 25
VAV 02	PRICE	SDV	24x16	38 X 18	1540	770	30.3	770	55	96.0	0.10	2	1.0	2-WAY	180	114.0	< 0.30	< 25
VAV 03	PRICE	SDV	6	12 X 8	205	100	4.1	100	55	97.0	0.04	1	0.50	2-WAY	180	162.1	< 0.30	< 25
VAV 04	PRICE	SDV	12	20 X 18	1120	560	23.2	560	55	98.2	0.16	2	1.0	2-WAY	180	129.4	< 0.30	< 25
VAV 05	PRICE	SDV	12	20 X 18	765	500	19.3	500	55	95.0	0.09	2	0.75	2-WAY	180	123.7	< 0.30	< 25

- NOTES:**
- SITE ELEVATION = 4,000 FEET.
 - ALL HOT WATER COILS ARE TO BE 2-ROW UNLESS OTHERWISE NOTED. PROVIDE VAV BOX WITH AN ACCESS DOOR.
 - VAV MINIMUM INLET PRESSURE = 1.0" WG.
 - ALL VAV BOXES SHALL HAVE 1" THICK DUAL DENSITY FIBERGLASS AT DENSITY 1.5 LBS/FT3 WITH 4.0 LBS/FT3 FACE.
 - VAV BOX SUPPLIER TO PROVIDE FACTORY INSTALLED MULTI-POINT AVERAGING SENSORS. PROVIDE WITH HANGING BRACKETS, AND PROVIDE DUCT TRANSITIONS TO AND FROM THE BOXES AS REQUIRED. REFER TO DETAIL 4/M500 FOR ADDITIONAL INFORMATION.
 - UNLESS OTHERWISE APPROVED BY THE ENGINEER, THE TEMPERATURE CONTROL CONTRACTOR SHALL FURNISH ALL DIGITAL VAV BOX CONTROLLERS AND ACTUATORS FOR FIELD MOUNTING. MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE TEMPERATURE CONTROL CONTRACTOR.
 - REFER TO PIPING DETAIL 7/M500 FOR RESPECTIVE 2-WAY COIL PIPING ARRANGEMENTS.
 - CONTRACTOR SHALL SIZE AUTOFLOW BALANCE VALVES TO THE NEAREST UPSIZE FLOWRATE INCREMENT FROM THE SCHEDULED HEATING HOT WATER FLOWRATE.
 - COORDINATE CONTROL ENCLOSURE LOCATION AND REHEAT COIL PIPE CONNECTION LOCATIONS WITH CONDITIONS ADJACENT TO THE RESPECTIVE VAV BOX TO MAINTAIN SERVICE ACCESS TO THE VAV BOX, CONTROL ENCLOSURE AND REHEAT COIL PIPING AND ASSOCIATED DEVICES.

EXHAUST FAN SCHEDULE (SITE ELEVATION - 4,000 FT ASL)

PLAN CODE	MANUFACTURER	MODEL NUMBER	MOUNTING/CONFIGURATION	CFM	ESP IN. W.C.	RPM	DRIVE TYPE	ELECTRICAL DATA			CONTROL AND WIRING RESPONSIBILITY	REMARKS
								HP	VOLT	PH		
EF-M6K	LOREN COOK	135C17DEC (VF)	ROOF / DOWNBLAST	1,800	0.40	1385	DIRECT	0.75	120	1	CONTROLLED VIA PILOT LIGHT TIMER SWITCH LOCATED AT THE TEACHER STATION. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL LINE VOLTAGE WIRING AND PILOT SWITCH.	SEE NOTES

- NOTES:**
- PROVIDE EXHAUST FAN WITH PREWIRED DISCONNECT, FAN SPEED CONTROLLER, ECM MOTOR, ALUMINUM BIRD SCREEN, BACKDRAFT DAMPER, AND CURB ADAPTOR TO MOUNT ON EXISTING ROOF CURB PREVIOUSLY OCCUPIED BY EF-M6KX. CONTRACTOR SHALL FIELD VERIFY EXISTING CURB SIZE AND CONDITIONS PRIOR TO ORDERING CURB ADAPTOR.
 - REFER TO DETAIL 8/M500 FOR ADDITIONAL REQUIREMENTS.

GRILLE - REGISTER - DIFFUSER SCHEDULE

PLAN CODE	MANUFACTURER	MODEL NUMBER	FUNCTION	NECK/THROAT SIZE	MATERIAL	FINISH	CFM	OPPOSED BLADE DAMPER	REMARKS
CD-6	PRICE	SMCD	CEILING SUPPLY AIR	6" DIA.	STEEL	BRITISH WHITE	SEE DRAWING	NO	4-WAY THROW, MODULAR CORE, 24"x24" LAY-IN PANEL.
CD-8	PRICE	SMCD	CEILING SUPPLY AIR	8" DIA.	STEEL	BRITISH WHITE	SEE DRAWING	NO	4-WAY THROW, MODULAR CORE, 24"x24" LAY-IN PANEL.
CD-10	PRICE	SMCD	CEILING SUPPLY AIR	10" DIA.	STEEL	BRITISH WHITE	SEE DRAWING	NO	4-WAY THROW, MODULAR CORE, 24"x24" LAY-IN PANEL.
CD-12	PRICE	SMCD	CEILING SUPPLY AIR	12" DIA.	STEEL	BRITISH WHITE	SEE DRAWING	NO	4-WAY THROW, MODULAR CORE, 24"x24" LAY-IN PANEL.
EG-10	PRICE	80	CEILING EXHAUST AIR	10" X 10"	ALUMINUM	BRITISH WHITE	SEE DRAWING	NO	1/2" x 1/2" x 1/2" ALUMINUM CORE, 24" x 24" LAY-IN PANEL.
RG-14	PRICE	80	CEILING RETURN AIR	14" X 14"	ALUMINUM	BRITISH WHITE	SEE DRAWING	NO	1/2" x 1/2" x 1/2" ALUMINUM CORE, 24" x 24" LAY-IN PANEL.

- NOTES:**
- GENERAL: CONTRACTOR SHALL VERIFY CEILING TYPES AND PROVIDE CORRECT FRAMES AND CONNECTORS FOR ALL AIR DIFFUSION PRODUCTS, AND VERIFY FINISH COLORS AND FINISHES PRIOR TO PROCURING.
 - GRILLE-REGISTER-DIFFUSER COLOR SELECTION BY ARCHITECT. PROVIDE MANUFACTURER'S STANDARD COLOR CHART WITH SUBMITTAL PRODUCT DATA.
 - COORDINATE MOUNTING LOCATIONS WITH THE ARCHITECTURAL REFLECTED CEILING PLAN AND ELECTRICAL PLANS.
 - PROVIDE TRANSITION FROM GRILLE-REGISTER-DIFFUSER NECK TO DUCTWORK AS REQUIRED.
 - REFER TO DETAIL 1/M500 FOR GRD NECK CONNECTION TO FLEX DUCT.
 - SEE DETAIL X/M500 AND THE PROJECT SPECIFICATIONS FOR MANUAL VOLUME DAMPER REQUIREMENTS. PROVIDE FLUSH CLIP CONCEALED OPERATORS ON ALL HAND DAMPERS LOCATED ABOVE HARD CEILINGS.
 - REFER TO DETAIL 3/M500 FOR RETURN/TRANSFER GRILLE INSTALLATION REQUIREMENTS.

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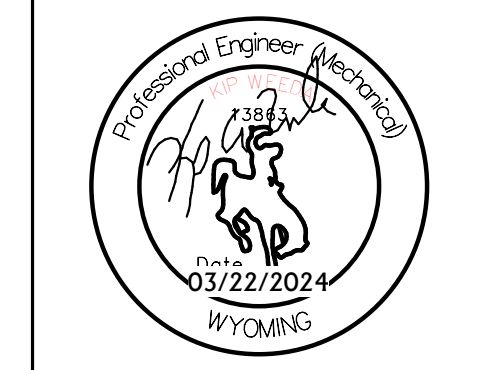
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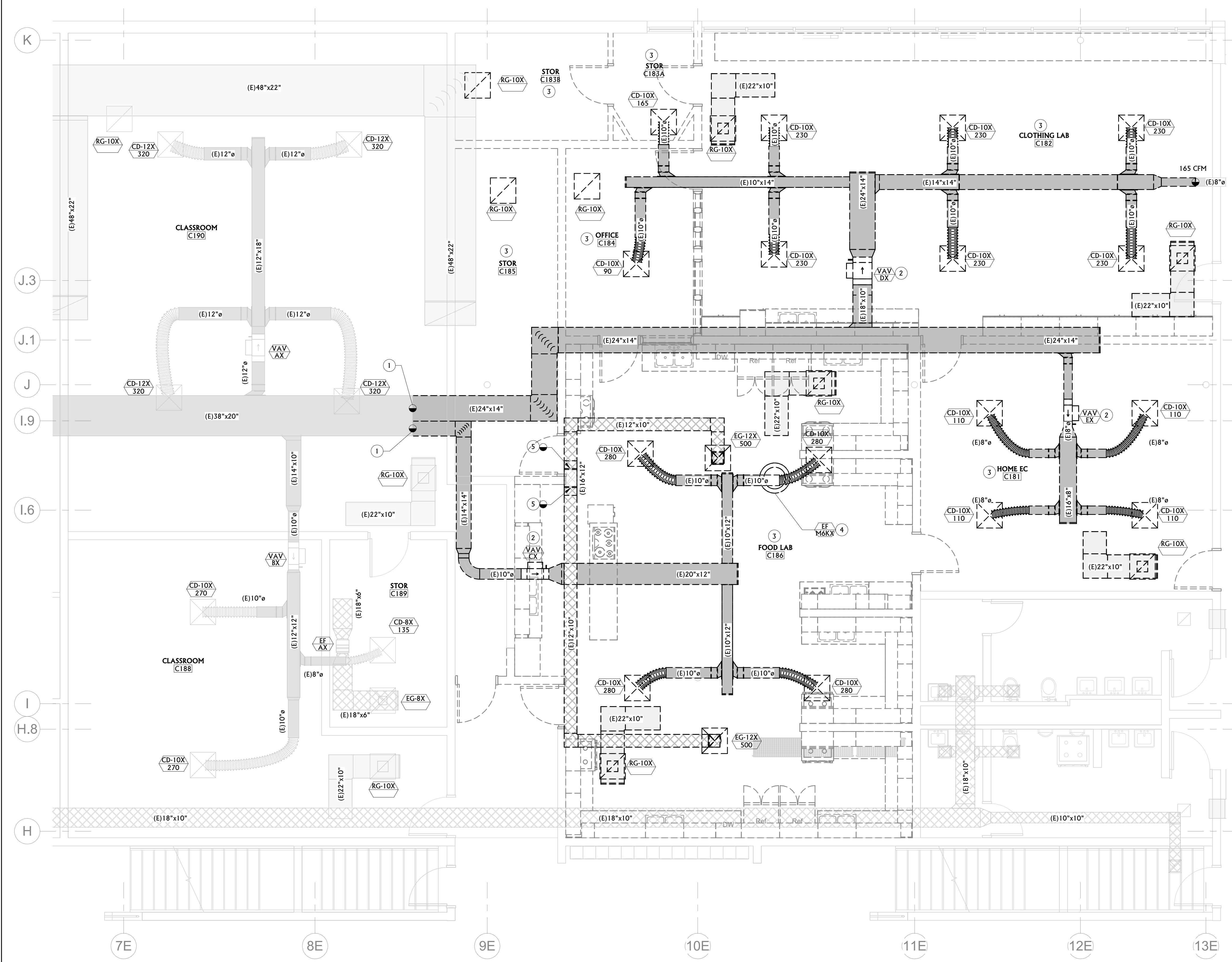
MECHANICAL SCHEDULES

M002

NO.	DESCRIPTION	DATE

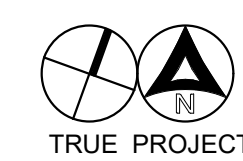
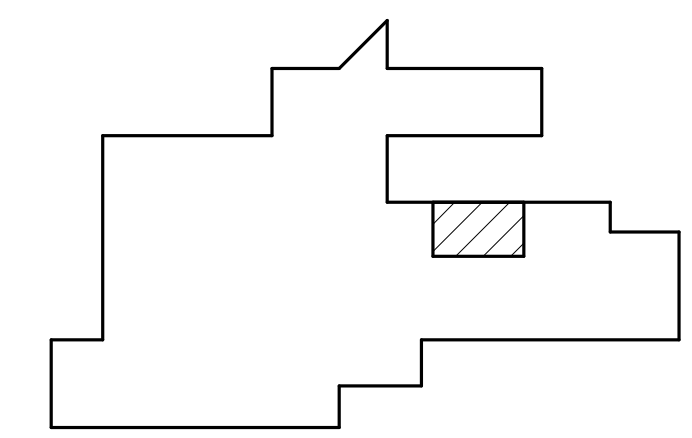
- MECHANICAL GENERAL DEMOLITION NOTES**
- A MECHANICAL CONTRACTOR SHALL CUT ALL WALLS, CEILINGS, AND ROOF AS REQUIRED TO PERFORM THE WORK DEPICTED IN THESE CONTRACT DOCUMENTS AND SPECIFICATIONS. GENERAL CONTRACTOR SHALL PATCH ALL ASSOCIATED WALLS, CEILINGS, AND ROOF AS REQUIRED TO THE SATISFACTION OF THE ARCHITECT/ENGINEER.
 - B COORDINATE HVAC EQUIPMENT, DUCTING, AND PIPING WITH ALL OTHER TRADES AS REQUIRED.
 - C THE INFORMATION SHOWN ON THIS DRAWING WAS OBTAINED FROM EXISTING DRAWINGS AND FIELD OBSERVATIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND PROVIDE DEMOLITION AS REQUIRED TO ACCOMMODATE EXISTING CONSTRUCTION AND RENOVATION WORK.
 - D NOTIFY THE OWNER OF ANY SYSTEM SHUT-DOWNS AND APPROXIMATE SHUT-DOWN TIME PRIOR TO COMMENCING WITH WORK.
 - E CONTRACTOR SHALL REMOVE ALL DEMOLISHED MATERIALS FROM BUILDING, UNLESS SPECIFICALLY NOTED TO BE ABANDONED IN PLACE.
 - F DRAWINGS SHOW GENERAL LOCATIONS OF MATERIALS TO BE REMOVED. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXTENT OF WORK REQUIRED FOR A COMPLETE SYSTEM REMOVAL.
 - G OWNER HAS FIRST RIGHT OF REFUSAL FOR ALL EQUIPMENT/MATERIAL CALLED OUT TO BE REMOVED. CONTRACTOR SHALL PRESENT ALL DEMO'D EQUIPMENT/MATERIAL TO OWNER PRIOR TO REMOVING FROM SITE.
 - H EXISTING EQUIPMENT IS IDENTIFIED BY A SYMBOL WITH AN "X" IN THE EQUIPMENT TAG.
 - I CONTRACTOR SHALL REMOVE ALL HANGERS AND SUPPORTS SERVING EQUIPMENT, DUCTWORK, AND PIPING DEMOLISHED IN THIS PROJECT. HANGERS WHICH ARE PERMANENTLY ATTACHED TO THE EXISTING STRUCTURE SHALL BE CUT BACK FLUSH TO THE EXISTING CONNECTION POINT ON THE EXISTING STRUCTURE.
 - J CONTRACTOR SHALL SEAL ALL PENETRATIONS CREATED & ABANDONED THROUGHOUT THIS PROJECT. AT FIRE RATED ASSEMBLIES, PENETRATIONS SHALL BE SEALED WITH AN ILL-APPROVED FIRE RATED SYSTEM.
 - K TEMPERATURE CONTROL CONTRACTOR SHALL PERFORM DEMOLITION OF THE EXISTING TEMPERATURE CONTROL SYSTEM SERVING EQUIPMENT AND DEVICES NOTED TO BE REMOVED UNLESS OTHERWISE NOTED. EXISTING TEMPERATURE CONTROL WIRING AND ASSOCIATED DEVICES SERVING EQUIPMENT TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY. EXISTING TEMPERATURE CONTROL SYSTEM SERVING EXISTING SYSTEMS TO REMAIN OUTSIDE OF THE REMODEL AREA OR NOTED TO REMAIN SHALL REMAIN FULLY FUNCTIONAL THROUGHOUT CONSTRUCTION.
 - L AS SPECIFICALLY IDENTIFIED ON THE DRAWINGS, SOME EXISTING EQUIPMENT OR DEVICES WILL REMAIN AND BE RE-USED, AND MAY BE REQUIRED TO BE TEMPORARILY REMOVED. CONTRACTOR SHALL PROTECT AND STORE AS NECESSARY, AND PROVIDE THE NECESSARY IDENTIFICATION TO RE-INSTALL INTO ITS ORIGINAL LOCATION OR NEW LOCATION AS IDENTIFIED ON THE REMODEL PLANS.

- MECHANICAL KEYNOTES**
- 1 REMOVE AND DISCARD OF ALL DUCTING AND DEVICES DOWNSTREAM OF THE POINTS-OF-DISCONNECTION. REFER TO THE REMODEL PLANS FOR NEW WORK.
 - 2 REMOVE AND DISCARD OF THE EXISTING VAV TERMINAL UNIT, AND ALL ASSOCIATED DUCTING AND CONTROLS. REFER TO THE REMODEL PLANS FOR NEW WORK.
 - 3 REMOVE AND DISCARD OF ALL EXISTING DUCTING AND GRILLES-REGISTERS-DIFFUSERS ASSOCIATED WITH THIS ROOM. REFER TO THE REMODEL PLANS FOR NEW WORK.
 - 4 EXISTING ROOF MOUNTED EXHAUST FAN LOCATED ON THE ROOF ABOVE THE 2ND FLOOR. REMOVE AND DISCARD OF THE EXISTING FAN. RETAIN AND RE-USE THE EXISTING ROOF CURB. REFER TO M101 FOR NEW WORK.
 - 5 REMOVE AND DISCARD OF ALL EXISTING EXHAUST DUCT UPSTREAM FROM THE POINT-OF-DISCONNECTION. REFER TO M101 FOR NEW WORK.



MECHANICAL HVAC FIRST FLOOR DEMOLITION PLAN
MD101 1/4" = 1'-0"

KEY PLAN



SHERIDAN HIGH SCHOOL - FACS RENOVATION

SHERIDAN COUNTY SCHOOL DISTRICT #2



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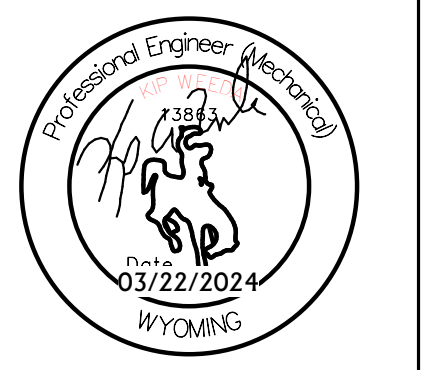
ARCHITECT



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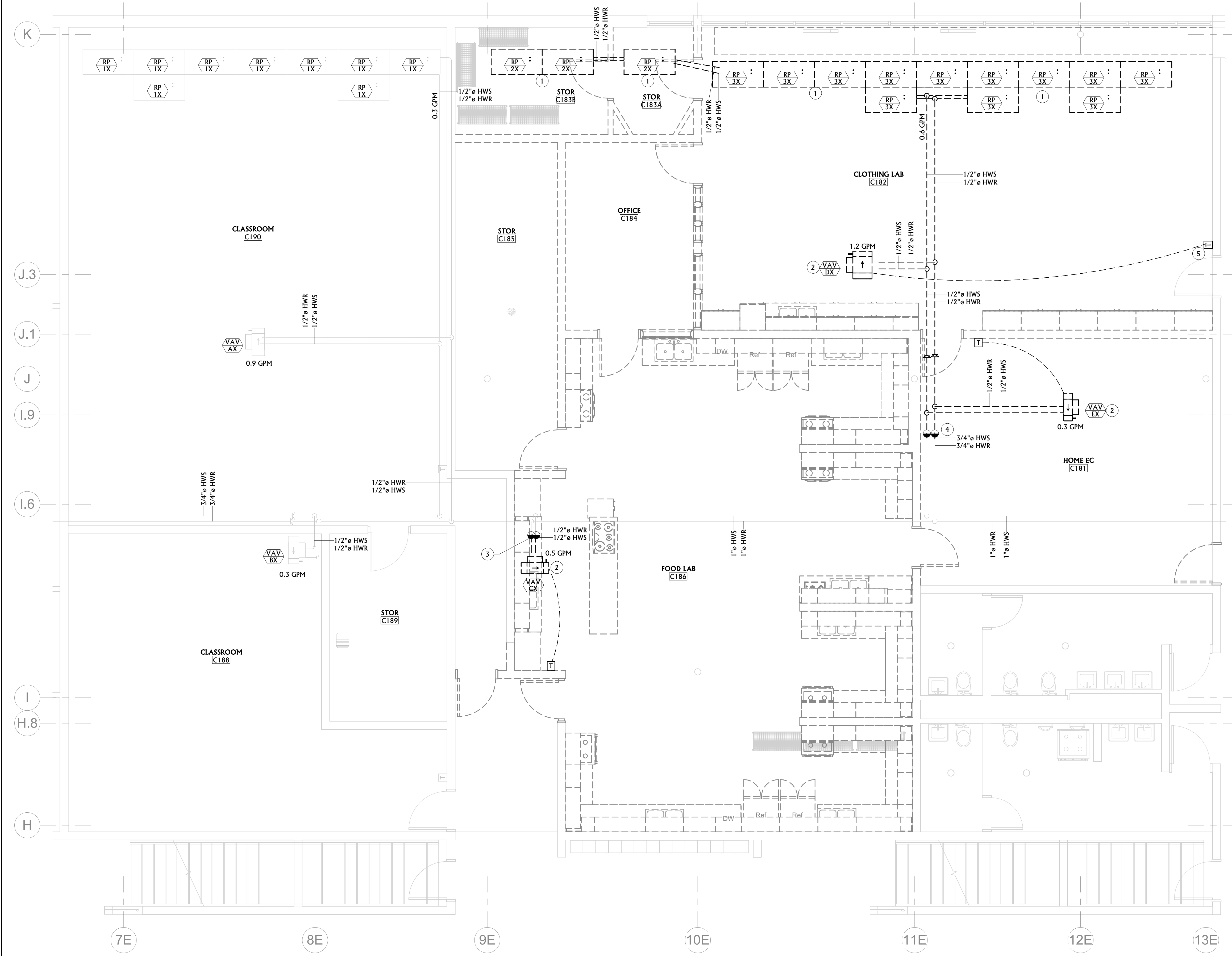


MECHANICAL GENERAL DEMOLITION NOTES

- MECHANICAL CONTRACTOR SHALL CUT ALL WALLS, CEILINGS, AND ROOF AS REQUIRED TO PERFORM THE WORK DEPICTED IN THESE CONTRACT DOCUMENTS AND SPECIFICATIONS. GENERAL CONTRACTOR SHALL PATCH ALL ASSOCIATED WALLS, CEILINGS, AND ROOF AS REQUIRED TO THE SATISFACTION OF THE ARCHITECT/ENGINEER.
- COORDINATE HVAC EQUIPMENT, DUCTING, AND PIPING WITH ALL OTHER TRADES AS REQUIRED.
- THE INFORMATION SHOWN ON THIS DRAWING WAS OBTAINED FROM EXISTING DRAWINGS AND FIELD OBSERVATIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND PROVIDE DEMOLITION AS REQUIRED TO ACCOMMODATE EXISTING CONSTRUCTION AND RENOVATION WORK.
- NOTIFY THE OWNER OF ANY SYSTEM SHUT-DOWNS AND APPROXIMATE SHUT-DOWN TIME PRIOR TO COMMENCING WITH WORK.
- CONTRACTOR SHALL REMOVE ALL DEMOLISHED MATERIALS FROM BUILDING, UNLESS SPECIFICALLY NOTED TO BE ABANDONED IN PLACE.
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- CONTRACTOR SHALL SEAL ALL PENETRATIONS CREATED & ABANDONED THROUGHOUT THIS PROJECT. AT FIRE RATED ASSEMBLIES, PENETRATIONS SHALL BE SEALED WITH AN ILL-APPROVED FIRE RATED SYSTEM.
- TEMPERATURE CONTROL CONTRACTOR SHALL PERFORM DEMOLITION OF THE EXISTING TEMPERATURE CONTROL SYSTEM SERVING EQUIPMENT AND DEVICES NOTED TO BE REMOVED UNLESS OTHERWISE NOTED. EXISTING TEMPERATURE CONTROL WIRING AND ASSOCIATED DEVICES SERVING EQUIPMENT TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY. EXISTING TEMPERATURE CONTROL SYSTEM SERVING EXISTING SYSTEMS TO REMAIN OUTSIDE OF THE REMODEL AREA OR NOTED TO REMAIN SHALL REMAIN FULLY FUNCTIONAL THROUGHOUT CONSTRUCTION.
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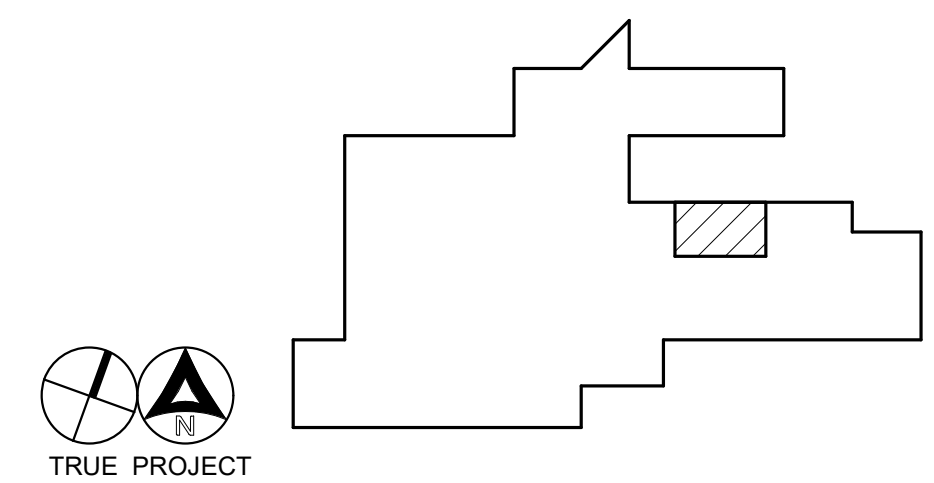
MECHANICAL KEYNOTES

- REMOVE AND DISCARD OF THE EXISTING HEATING HOT WATER CEILING RADIATION PANELS AND ASSOCIATED PIPING AND CONTROLS IN THEIR ENTIRETY IN THIS ROOM.
- REMOVE AND DISCARD OF THE EXISTING VAV TERMINAL UNIT AND CONTROLS. REFER TO THE REMODEL PLANS FOR NEW WORK.
- DEMO THE EXISTING 1/2" HWS & HWR AT THE BRANCH MAIN TAKEOFF AND CAP.
- REMOVE AND DISCARD OF ALL EXISTING HEATING HOT WATER PIPING FROM THE POINTS-OF-DISCONNECTION TO THE NORTH. REFER TO M102 FOR NEW WORK.
- INSTALL BLANK METAL COVER ON THE DEMO'D THERMOSTAT.



MECHANICAL PIPING FIRST FLOOR DEMOLITION PLAN
1 MD102 1/4" = 1'-0"

KEY PLAN



REVISIONS

NO.	DESCRIPTION	DATE

PROJECT NUMBER:
2023-70

DATE:
3-22-2024

ISSUE:
100% CDs

**MECHANICAL PIPING
FIRST FLOOR
DEMOLITION PLAN**

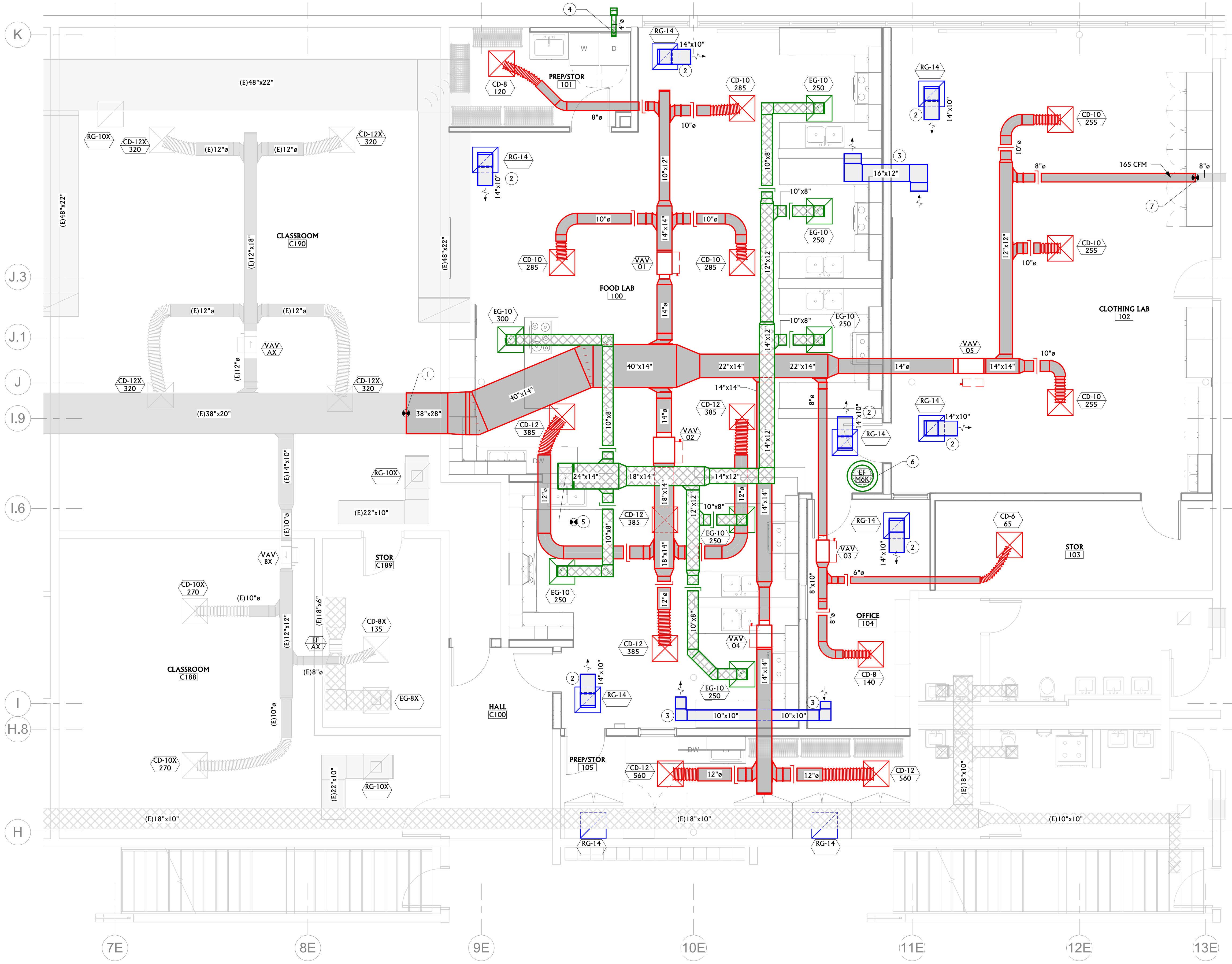
MD102

MECHANICAL GENERAL NOTES

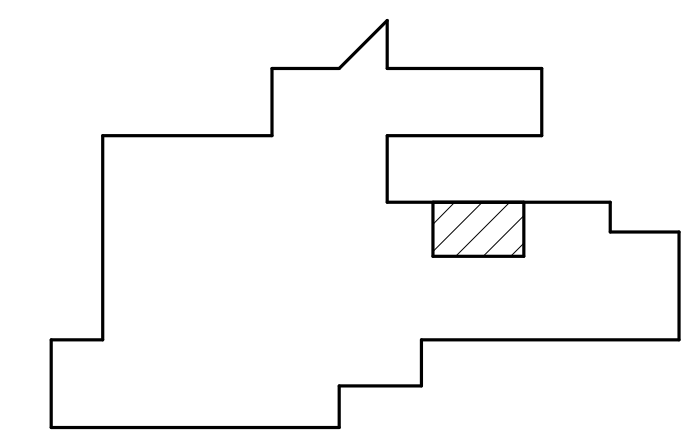
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- CONTRACTOR SHALL COORDINATE PIPE ROUTING WITH THE DUCT, STRUCTURAL, PLUMBING AND FIRE PROTECTION SYSTEMS PRIOR TO INSTALLING. DUCTWORK SHALL HAVE THE ROUTING PRIORITY. PROVIDE OFFSETS IN PIPING AS REQUIRED.
- SEAL ALL MECHANICAL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES WITH UL-APPROVED FIRE RATED SYSTEM.
- ALL DUCT DIMENSIONS SHOWN ON PLANS ARE CLEAR INTERIOR DIMENSIONS.
- ALL CEILING DIFFUSERS TO BE 4-WAY UNLESS OTHERWISE NOTED.
- ALL BRANCH RUNOUTS TO INDIVIDUAL SUPPLY AND EXHAUST GRILLES/REGISTER/DIFFUSERS SHALL HAVE MANUAL VOLUME DAMPERS WITH LOCKING QUADRANTS HANDLES INSTALLED. DAMPERS ON INSULATED DUCT SHALL HAVE 2" STAND-OFF BRACKET. REFER TO DETAIL ON DRAWING M500.
- PROVIDE A 45° TRANSITION OR HIGH EFFICIENCY TAKEOFF ON ALL BRANCH TAKEOFFS FROM THE DUCT MAIN OR BRANCH MAIN UNLESS OTHERWISE NOTED.
- INSTALL TURNING VANES IN SUPPLY, RETURN, AND EXHAUST DUCT TRANSITION FITTINGS WITH TRANSITIONS GREATER THAN 30°. TRANSFER AIR DUCT DOES NOT REQUIRE TURNING VANES.
- ALL DUCTS ABOVE CORRIDOR AREAS TO BE MINIMUM 24 GAUGE SHEET METAL.
- ALL NON-DUCTED RETURN GRILLES TO HAVE RETURN BOOT WITH 1" ACOUSTICAL LINING. REFER TO THE MECHANICAL DRAWINGS FOR LOCATIONS.
- PROVIDE 36" OF STRAIGHT DUCT ON THE MEDIUM VELOCITY SIDE OF EVERY VAV BOX. MAINTAIN ADEQUATE VAV CLEARANCES IN CEILING SPACE FOR SERVICE. COORDINATE DUCT AND PIPING INSTALLATION TO ACCOMMODATE THIS. PROVIDE ACCESS PANELS FOR HARD LID CEILINGS WHERE NEEDED TO ACCESS VAV BOXES.
- COORDINATE EXACT LOCATION OF DIFFUSERS AND GRILLES WITH REFLECTED CEILING PLAN AND LIGHTING LAYOUT.
- FLEX DUCT RUN OUTS SHALL BE LIMITED TO 5'-0".
- PROVIDE ACCESS PANELS FOR EACH FIRE DAMPER PER IMC STANDARDS/REQUIREMENTS.
- MAINTAIN CODE REQUIRED CLEARANCES FROM ELECTRICAL PANELS.
- HVAC SYSTEM IS USING A RETURN AIR PLENUM SYSTEM. ALL MATERIALS INSTALLED ABOVE CEILINGS SHALL BE PLENUM RATED. FLAME AND SMOKE SPREAD RATING SHALL BE 25/50 FOR ALL MATERIALS IN THE RETURN AIR PLENUM.
- VERIFY EXACT LOCATIONS OF THERMOSTATS WITH THE ARCHITECT PRIOR TO INSTALLATION. LOCATE THERMOSTATS 48" A.F.F. REFER TO THE PLANS FOR ADDITIONAL INSTALLATION REQUIREMENTS.
- HYDRONIC ISOLATION VALVES 2" AND SMALLER TO BE BALL STYLE VALVES UNLESS OTHERWISE NOTED. LOCATE ALL VALVES ABOVE ACCESSIBLE CEILINGS OR PROVIDE ACCESS PANEL IN CEILING FOR VALVE ACCESS. ACCESS PANELS SHALL BE RATED WHERE REQUIRED.
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- CONTRACTOR SHALL REFER TO MECHANICAL DETAILS FOR ADDITIONAL WORK REQUIREMENTS.

MECHANICAL KEYNOTES

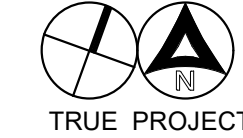
- POINT-OF-CONNECTION NEW SUPPLY DUCT TO THE EXISTING.
- RETURN AIR TRANSFER TO THE CEILING PLENUM. PROVIDE 14"x10" SHEET METAL TRANSITION BOOT WITH 1" ACOUSTICAL LINING.
- RETURN AIR TRANSFER DUCTING LOCATED ABOVE THE CEILING. REFER TO DETAIL 3/M500.
- PROVIDE DRYER EXHAUST BOX FOR DRYER EXHAUST OUTLET CONNECTION TO 4" DRYER EXHAUST. ROUTE 4" GALVANIZED STEEL DUCT DRYER EXHAUST UP THE NORTH WALL, AND TERMINATE WITH BACKDRAFTED WALL CAP. WALL CAP SHALL HAVE DARK BRONZE FINISH. TERMINATION SHALL BE MADE A MINIMUM OF 24" ABOVE THE TOP OF 1ST FLOOR WINDOWS.
- CONNECT NEW 24"x14" EXHAUST DUCT TO THE EXISTING 16"x12" EXHAUST RISER ROUTED UP THROUGH THE 2ND FLOOR.
- NEW FOOD LAB 100 EXHAUST FAN MOUNTED ON THE ROOF ABOVE THE 2ND FLOOR. FAN IS TO BE MOUNTED ON THE CURB FROM THE EXISTING EXHAUST FAN THAT WAS REMOVED AS DESCRIBED ON DRAWING MD101. CONTRACTOR IS TO INSTALL A CURB ADAPTOR TO ALLOW THE INSTALLATION OF THE NEW FAN TO THE EXISTING CURB. FIELD VERIFY EXISTING CONDITIONS.
- CONNECT 8" SUPPLY AIR DUCT TO THE EXISTING 8" SUPPLY DUCT.



KEY PLAN



MECHANICAL HVAC FIRST FLOOR PLAN
M101 1/4" = 1'-0"



SHERIDAN HIGH SCHOOL - FACS RENOVATION

SHERIDAN COUNTY SCHOOL DISTRICT #2



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ARCHITECT



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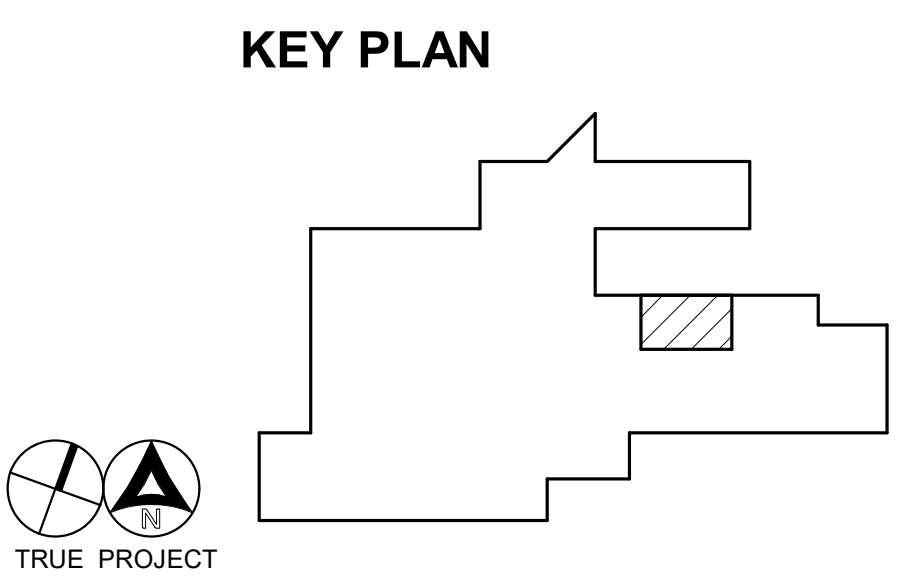
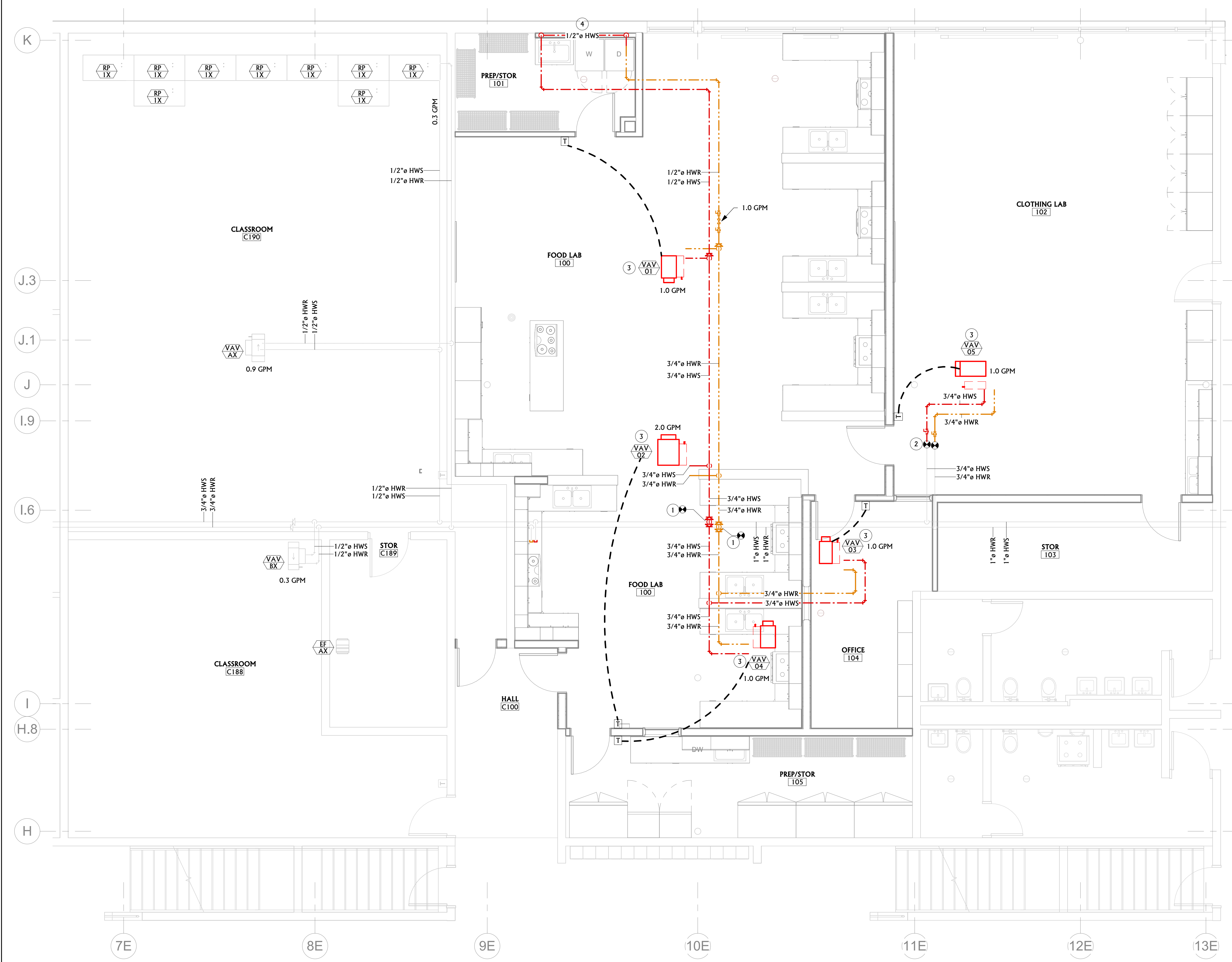


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307-673-5300
monter@acemt.com
ACE JOB 23SH5910



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F	COORDINATE HVAC EQUIPMENT, DEVICES, AND PIPING WITH ALL OTHER TRADES AS REQUIRED.
G	CONTRACTOR SHALL COORDINATE PIPE ROUTING WITH THE DUCT, STRUCTURAL, PLUMBING AND FIRE PROTECTION SYSTEMS PRIOR TO INSTALLING. DUCTWORK SHALL HAVE THE ROUTING PRIORITY. PROVIDE OFFSETS IN PIPING AS REQUIRED.
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I	ALL DUCT DIMENSIONS SHOWN ON PLANS ARE CLEAR INTERIOR DIMENSIONS.
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L	PROVIDE A 45° TRANSITION OR HIGH EFFICIENCY TAKEOFF ON ALL BRANCH TAKEOFFS FROM THE DUCT MAIN OR BRANCH MAIN UNLESS OTHERWISE NOTED.
M	INSTALL TURNING VANES IN SUPPLY, RETURN, AND EXHAUST DUCT TRANSITION FITTINGS WITH TRANSITIONS GREATER THAN 30°. TRANSFER AIR DUCT DOES NOT REQUIRE TURNING VANES.
N	ALL DUCTS ABOVE CORRIDOR AREAS TO BE MINIMUM 24 GAUGE SHEET METAL.
O	ALL NON-DUCTED RETURN GRILLES TO HAVE RETURN BOOT WITH 1" ACOUSTICAL LINING. REFER TO THE MECHANICAL DRAWINGS FOR LOCATIONS.
P	PROVIDE 36" OF STRAIGHT DUCT ON THE MEDIUM VELOCITY SIDE OF EVERY VAV BOX. MAINTAIN ADEQUATE VAV CLEARANCES IN CEILING SPACE FOR SERVICE. COORDINATE DUCT AND PIPING INSTALLATION TO ACCOMMODATE THIS. PROVIDE ACCESS PANELS FOR HARD LID CEILINGS WHERE NEEDED TO ACCESS VAV BOXES.
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Y	CONTRACTOR SHALL REFER TO MECHANICAL DETAILS FOR ADDITIONAL WORK REQUIREMENTS.

MECHANICAL KEYNOTES	
1	CONNECT 1" HWS & HWR BRANCH RISER TO THE EXISTING 1" HWS & HWR HORIZONTAL LINE. INSTALL 1" ISOLATION BALL VALVES ON THE RISER CONNECTION. BRANCH TO 3/4" HWS & HWR TO SERVE THE NEW VAV TERMINAL UNITS.
2	NEW 3/4" HWS & HWR PIPING TO THE EXISTING 3/4" HWS & HWR PIPING. INSTALL 3/4" ISOLATION BALL VALVES AT THE NEW POINT-OF-CONNECTION.
3	REFER TO DETAIL 7/M500 FOR PIPING CONNECTION CONFIGURATION TO THE NEW VAV TERMINAL UNIT.
4	ROUTE 1/2" HWS PIPE DOWN IN WALL TO APPROXIMATELY 60" A.F.F. THEN HORIZONTAL AND BACKUP. ALL PIPING IN THE WALL IS TO BE UNINSULATED. PURPOSE IS TO PROVIDE SOME RADIANT HEAT IN THE WALL FOR DOMESTIC WATER PIPING FREEZE PROTECTION. COORDINATE ROUTING WITH THE PLUMBING CONTRACTOR.



MECHANICAL PIPING FIRST FLOOR PLAN
M102 1/4" = 1'-0"

REVISIONS		
NO.	DESCRIPTION	DATE

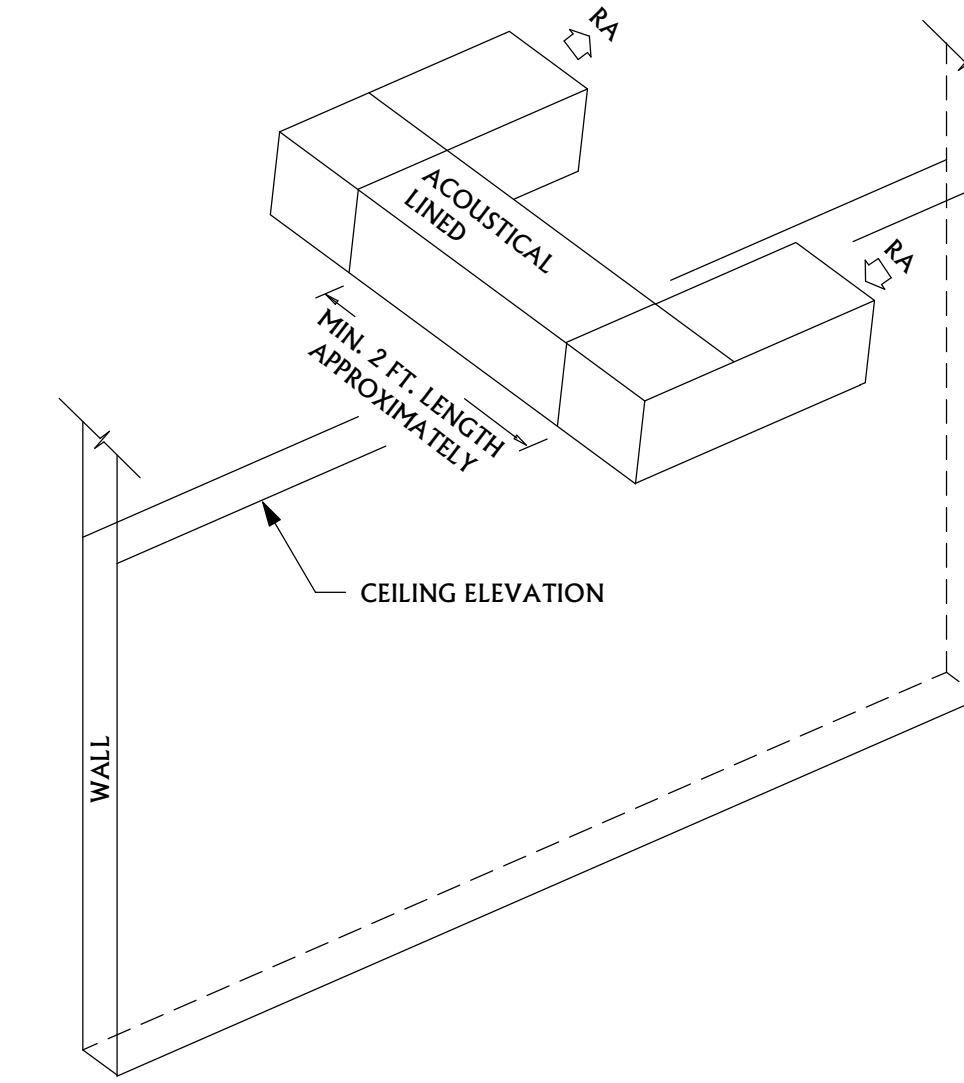
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2023-70
DATE:
3-22-2024
ISSUE:
100% CDs

MECHANICAL PIPING FIRST FLOOR PLAN

M102

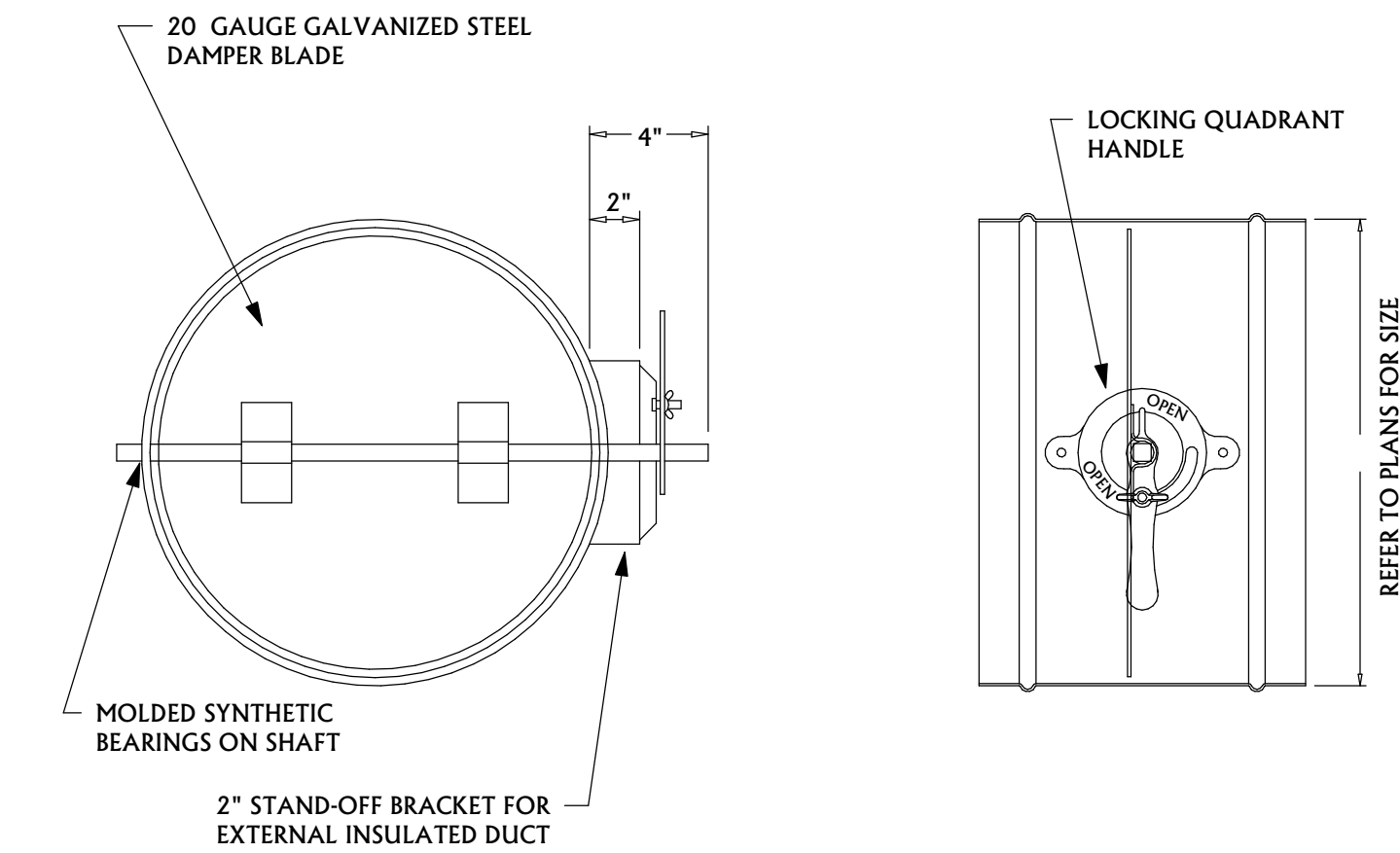
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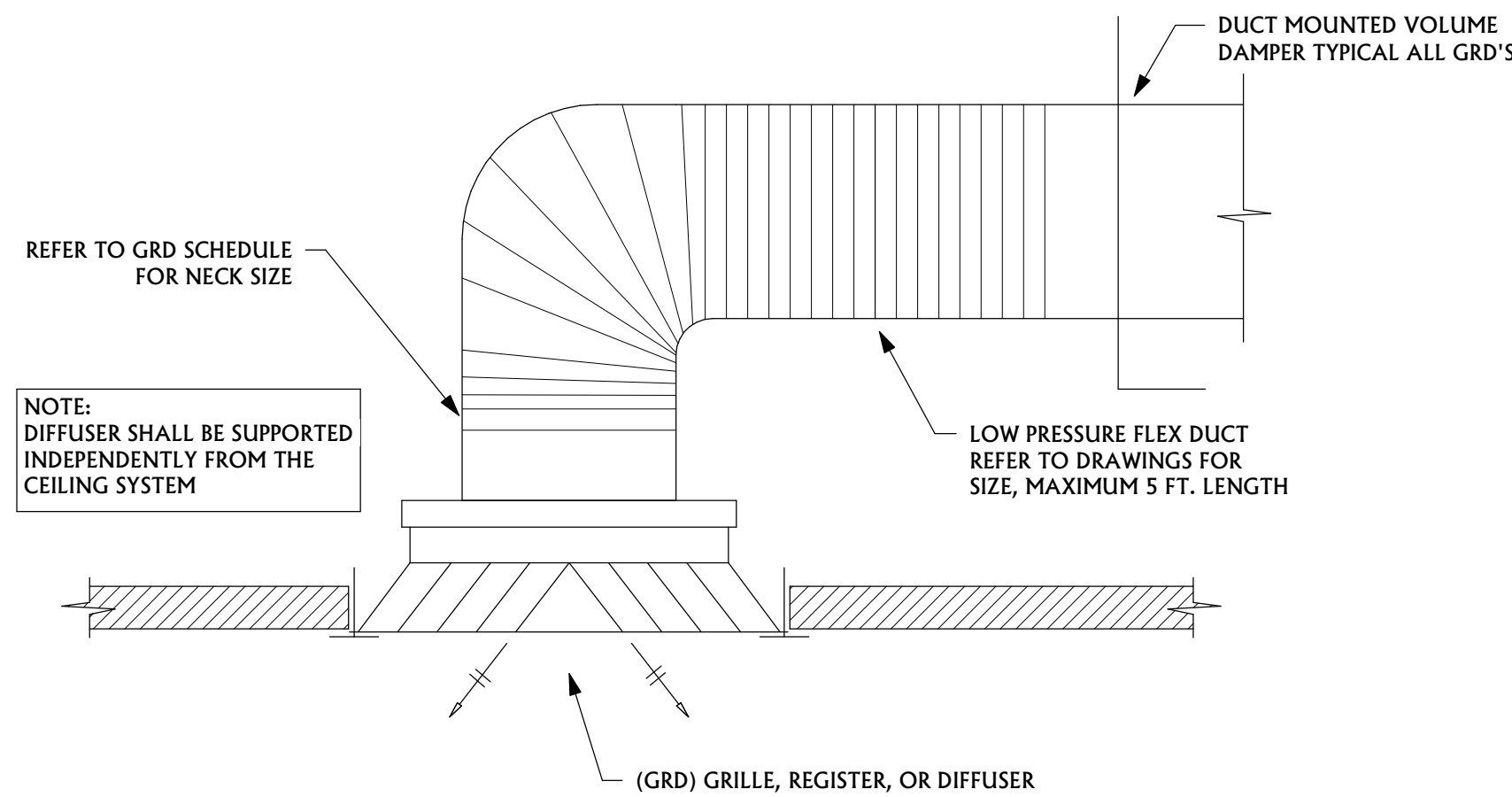


- NOTES:
- TRANSFER DUCT LOCATION AND SIZES ARE SHOWN ON THE MECHANICAL DRAWINGS.
 - TRANSFER DUCT SHALL BE FABRICATED OF GALVANIZED STEEL DUCT AND LINED WITH 1" ACOUSTICAL LINING (A.L.).
 - TRANSFER DUCT AND GRILLE SHALL BE INDEPENDENTLY SUPPORTED FROM THE CEILING SYSTEM.
 - TRANSFER DUCT TO BE MOUNTED ABOVE THE ADJACENT CEILING ELEVATIONS.

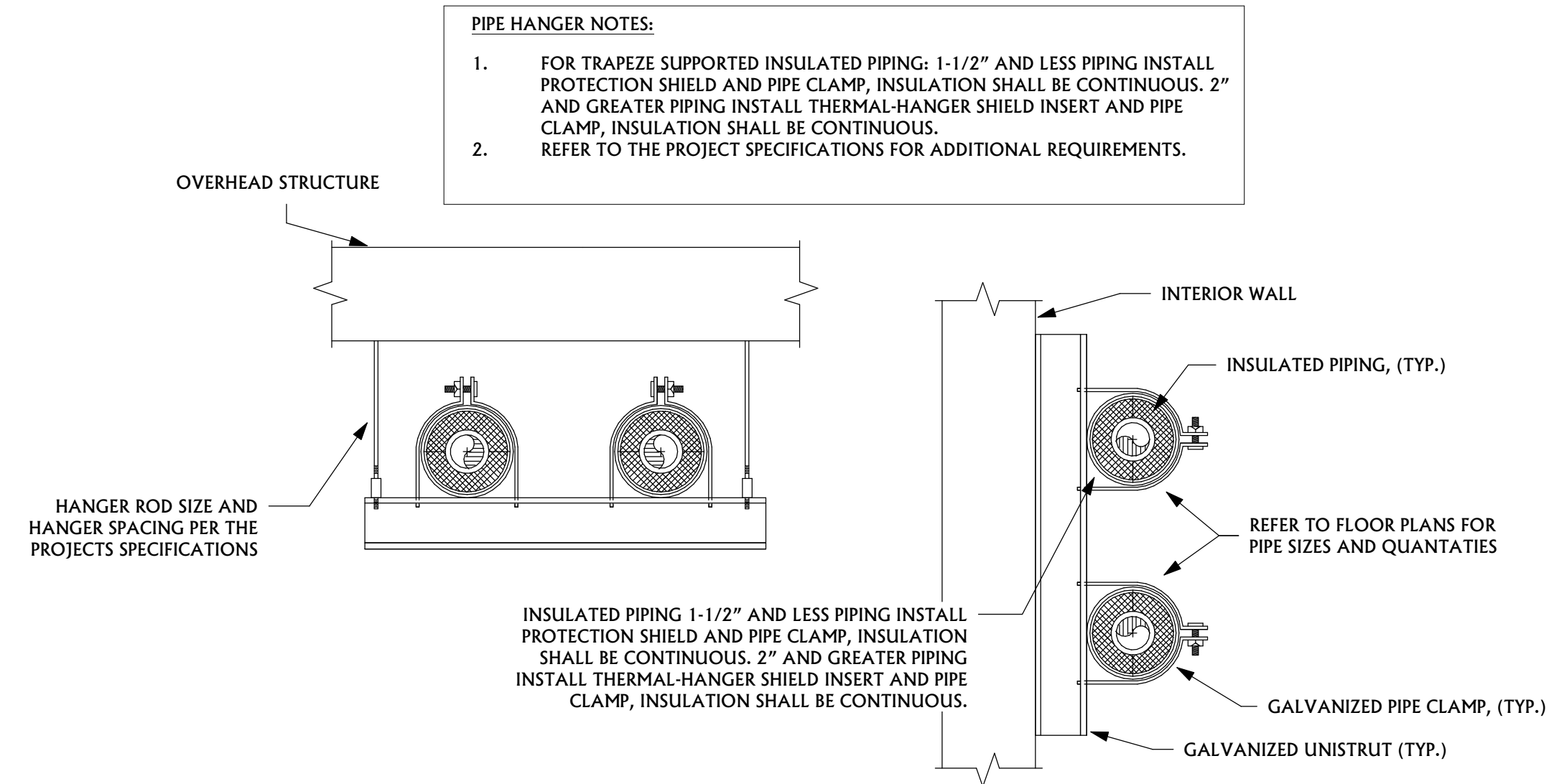
3 TRANSFER / RETURN AIR PLENUM DETAIL
NOT TO SCALE



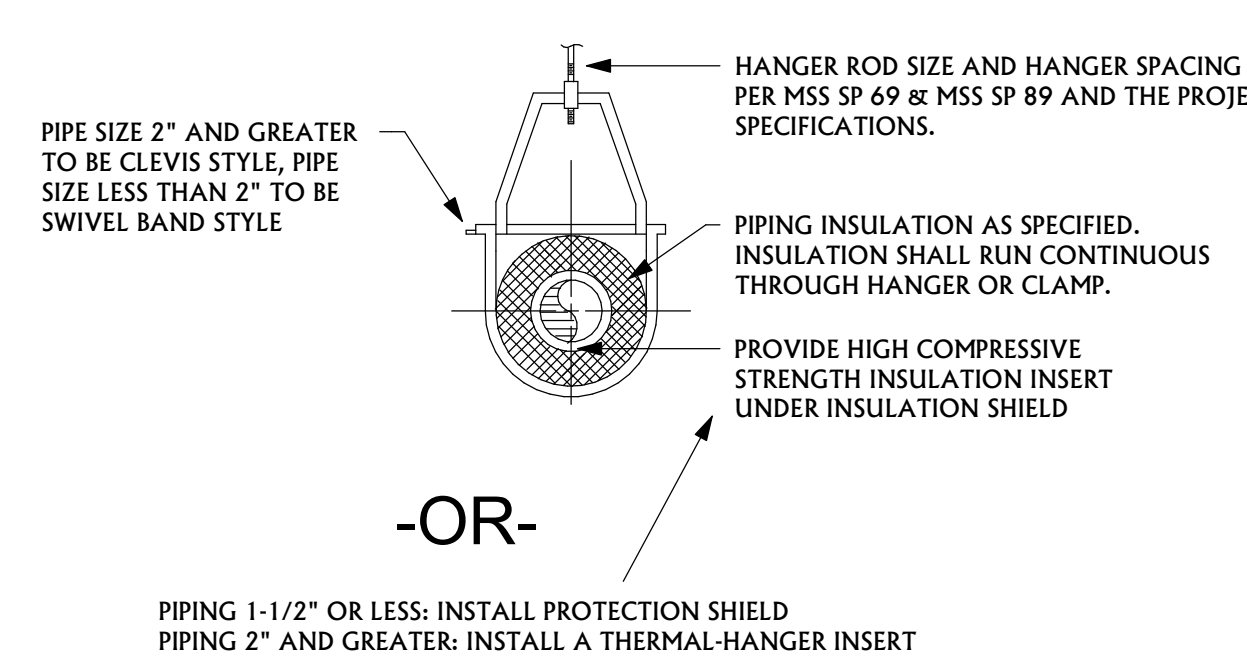
2 MANUAL DAMPER DETAIL
NOT TO SCALE



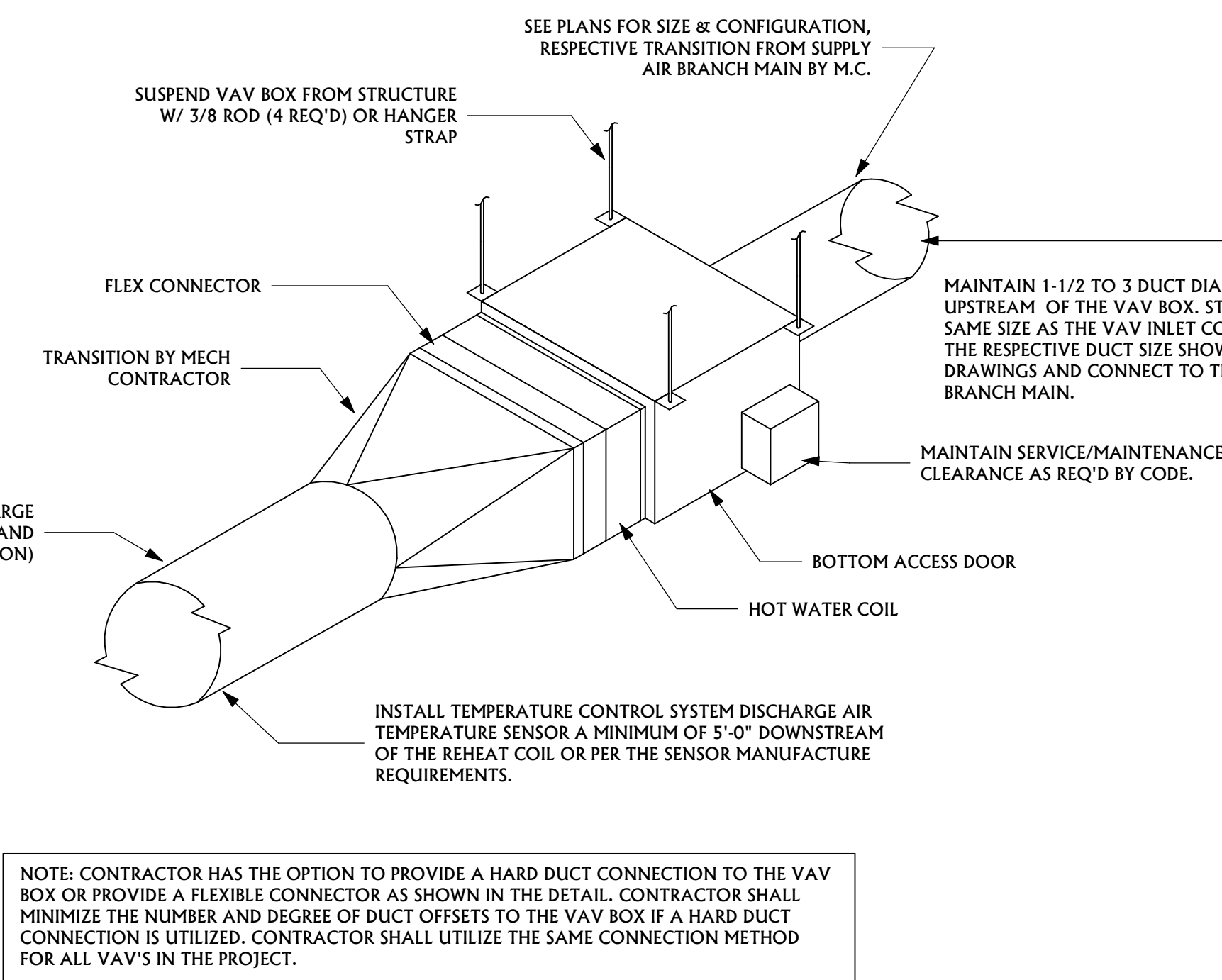
1 TYPICAL CEILING DIFFUSER DETAIL
NOT TO SCALE



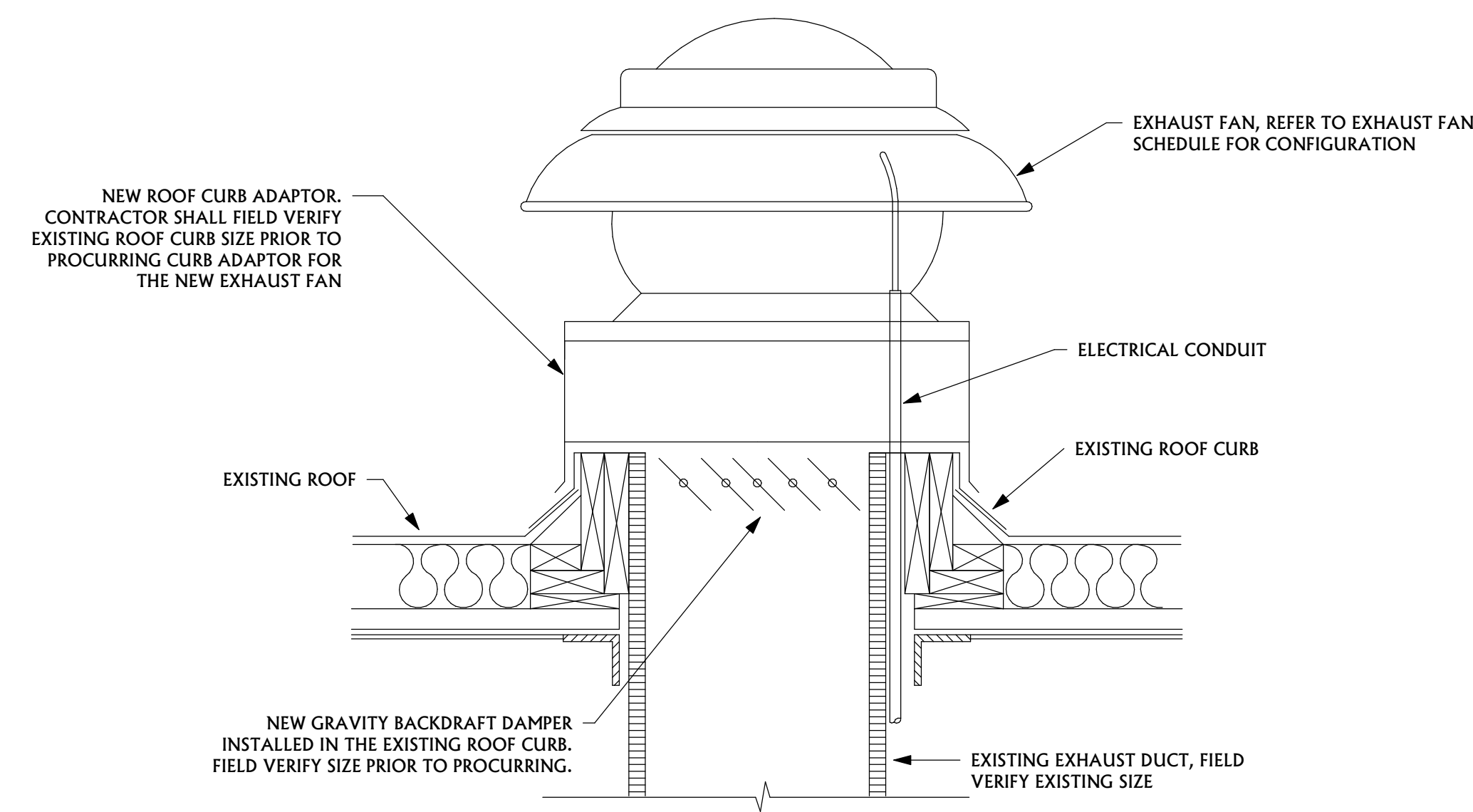
6 PIPE SUPPORT DETAIL
NOT TO SCALE



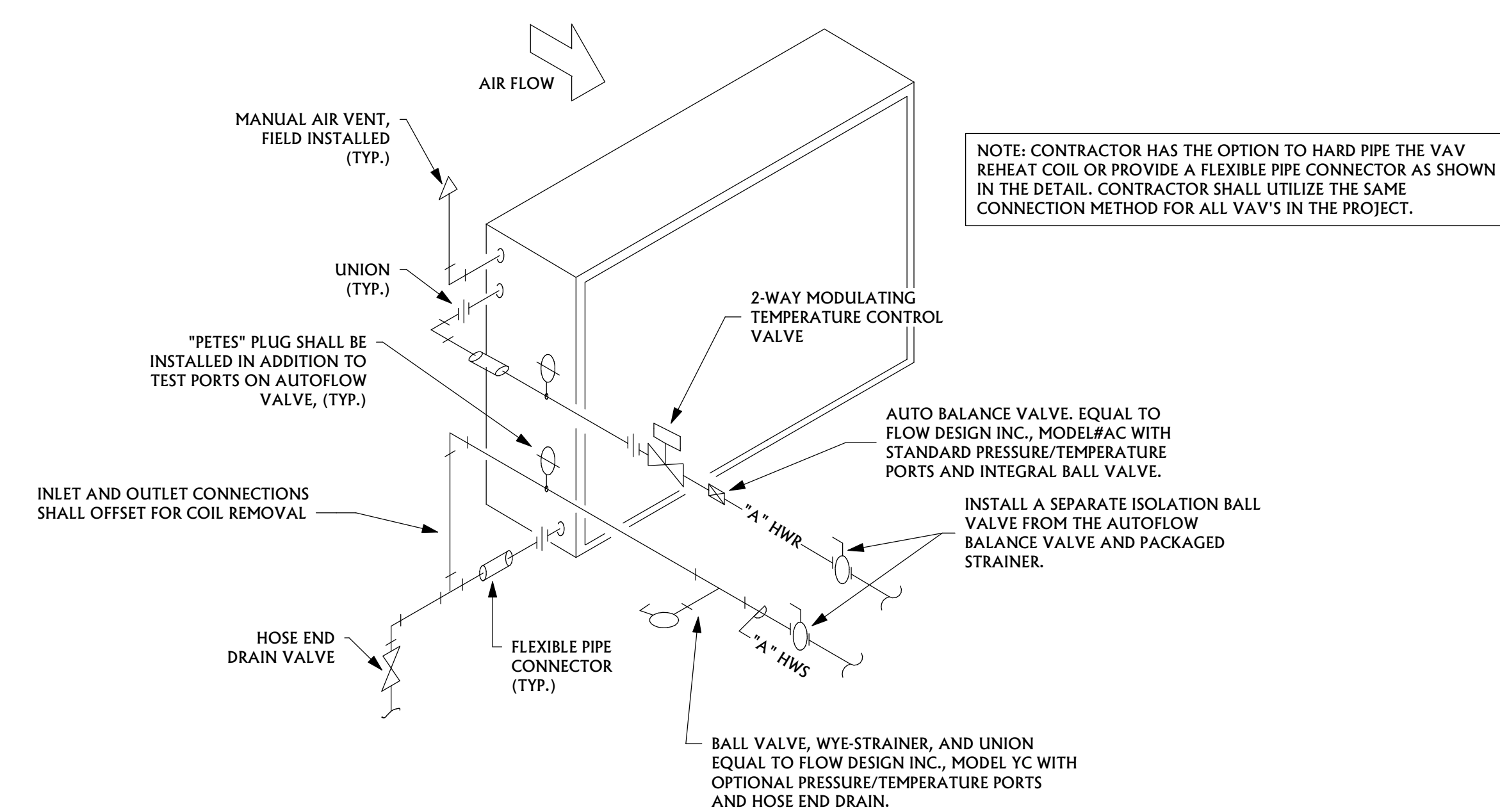
5 PIPE HANGER DETAILS
NOT TO SCALE



4 VAV BOX DETAIL
NOT TO SCALE



8 ROOF MOUNTED EXHAUST FAN DETAIL
NOT TO SCALE



7 HEATING COIL 2-WAY PIPING DETAIL
NOT TO SCALE

PLUMBING FIXTURE SCHEDULE

Table with columns: PLAN CODE, ITEM, MFG., MODEL NUMBER, MATERIAL & FINISH, TRIM, BRANCH MAIN ROUGH-IN SIZE (CW, HW, SAN, VENT), REMARKS. Includes items like EMERGENCY NATURAL GAS SHUTOFF VALVE, FLOOR CLEANOUT, GARBAGE DISPOSAL, SINKS, FR WASHING MACHINE OUTLET BOX, and CLOTHES WASHER OUTLET BOX.

- NOTES: 1. ALL NEW PIPING, VALVES AND FIXTURES FOR DOMESTIC WATER SERVICE SHALL COMPLY WITH NSF-61. 2. PROVIDE ALL FIXTURES WITH APPROPRIATE COMMERCIAL CARRIERS... 3. COORDINATE ALL SINK DEPTHS WITH THE PROJECT'S CASEWORK... 4. ALL FLOOR DRAINS AND FLOOR SINKS SHALL BE FITTED WITH A PROSET TRAP GUARD... 5. CONTRACTOR SHALL SET POINT-OF-USE THERMOSTATIC MIXING VALVES TO TEMPER WATER TO 105°F... 6. VERIFY FLOOR FINISH THICKNESS BEFORE SETTING ANY FIXTURE... 7. PLUMBING CONTRACTOR TO SET SINKS ON A LAYER OF SILICONE CAULKING AS WELL AS A PERIMETER BEAD OF SILICONE CAULKING AROUND THE FIXTURE.

PLUMBING SYMBOLS LEGEND

GENERAL PIPING: DIRECTION OF FLOW, REDUCER FITTING, ELBOW TURNED UP/DN, DROP IN HORIZ. RUN, TEE TURNED UP/DN, BELL AND SPIGOT. PIPING PHASE: EXISTING PIPING, NEW UNDERFLOOR PIPING, NEW ABOVE FLOOR PIPING, DEMOLISHED PIPING. PIPING FITTINGS, VALVES & SPECIALTIES: BALL VALVE, GATE VALVE, PLUG VALVE, CHECK VALVE, BALANCING VALVE, DRAIN, WALL HYDRANT OR HOSE BIBB, FLEX. CONNECTION, TEMP. GAUGE, PRESSURE GAUGE, BUTTERFLY VALVE, PRESS. REDUCING, 2-WAY (ELECTRIC), 2-WAY (SOLENOID), 3-WAY (ELECTRIC), STRAINER, STRAINER W/ BLOW-OFF, VENT THRU ROOF, P.O.C. - POINT OF DISCONNECTION, P.O.C. - POINT OF CONNECTION.

PLUMBING SHEET LIST

Table with columns: SHEET NUMBER, DESCRIPTION. Lists sheets P001 (PLUMBING COVER SHEET), PD100 (PLUMBING DOMESTIC WASTE AND VENT FIRST FLOOR - UNDER SLAB DEMOLITION PLAN), PD101 (PLUMBING DOMESTIC WASTE AND VENT FIRST FLOOR - ABOVE SLAB DEMOLITION PLAN), PD201 (PLUMBING DOMESTIC WATER FIRST FLOOR DEMOLITION PLAN), P100 (PLUMBING DOMESTIC WASTE AND VENT FIRST FLOOR - UNDER SLAB PLAN), P101 (PLUMBING DOMESTIC WASTE AND VENT FIRST FLOOR - ABOVE SLAB PLAN), P201 (PLUMBING DOMESTIC WATER FIRST FLOOR PLAN), P500 (PLUMBING DETAILS).

GENERAL PLUMBING NOTES

- 1. ALL NEW PIPING, FITTINGS, VALVES, AND FIXTURES FOR DOMESTIC WATER SERVICE SHALL BE NSF61 / 372 COMPLIANT. 2. PROVIDE WATER HAMMER ARRESTORS ON ALL LINES SERVING WBO, UDB, AND DISHWASHERS. WATER HAMMER ARRESTORS SHALL BE ASSE 1010 COMPLIANT. 3. SCHEDULE 40 PVC PIPING AND DWV FITTINGS WILL BE PERMITTED TO BE UTILIZED ON DOMESTIC SANITARY AND VENT PIPING ROUTED IN WALLS PROVIDED THAT THE WALL CAVITY DOES NOT COMMUNICATE WITH THE RETURN AIR PLENUM.

PIPE INSULATION NOTE

- 1. REFER TO SPECIFICATION SECTION 220700 PLUMBING INSULATION AND THE PLUMBING DRAWINGS FOR ADDITIONAL INSULATION REQUIREMENTS. 2. REFER TO THE MECHANICAL DRAWINGS AND SPECIFICATIONS FOR MECHANICAL SYSTEM INSULATION. 3. PLUMBING PIPING TO BE INSULATED: A. ALL DOMESTIC COLD WATER, HOT WATER (110°F), COLD WATER, HOT WATER 110°F, STORM DRAIN, AND SANITARY WASTE PIPING SERVING ADA/ANSI COMPLIANT FIXTURES. C. ALL TEMPERED WATER PIPING. D. EXISTING COLD WATER AND HOT WATER IDENTIFIED ON PD201. 4. PIPING NOT TO BE INSULATED: A. UNDERGROUND PIPING.

RETURN AIR PLENUM NOTE

IN GENERAL, THE SPACE ABOVE THE CEILINGS IN THE AREA OF WORK IS UTILIZED AS A RETURN AIR PLENUM. ALL MATERIALS INSTALLED WITHIN THE RETURN AIR PLENUM SHALL BE PLENUM RATED. ALL MATERIALS MUST MEET 25/50 SMOKE AND FLAME SPREAD RATING. NON-METALIC AND NON-RATED MATERIALS SHALL NOT BE INSTALLED IN THE RETURN AIR PLENUM.

PIPE IDENTIFICATION NOTE

- 1. REFER TO SPECIFICATION SECTION 22 05 53 FOR ADDITIONAL PIPING AND EQUIPMENT IDENTIFICATION REQUIREMENTS. 2. GENERAL REQUIREMENTS FOR MANUFACTURED PIPE LABELS: PREPRINTED, COLOR-CODED, WITH LETTERING INDICATING SERVICE, AND SHOWING FLOW DIRECTION. 3. PIPE LABELS SHALL BE PRE-TENSIONED PIPE LABELS: PRE-COILED, SEMI RIGID PLASTIC FORMED TO PARTIALLY COVER CIRCUMFERENCE OF PIPE AND TO ATTACH TO PIPE WITH OR WITHOUT A FASTENERS OR ADHESIVE. 4. PIPE LABEL CONTENTS: INCLUDE IDENTIFICATION OF PIPING SERVICE USING SAME DESIGNATIONS OR ABBREVIATIONS AS USED ON DRAWINGS, AND AN ARROW INDICATING FLOW DIRECTION. 1. FLOW-DIRECTION ARROWS: INTEGRAL WITH PIPING SYSTEM SERVICE LETTERING TO ACCOMMODATE BOTH DIRECTIONS, OR AS SEPARATE UNIT ON EACH PIPE LABEL TO INDICATE FLOW DIRECTION. 2. LETTERING SIZE: AT LEAST 1-1/2 INCHES HIGH.

DOMESTIC WATER ROUGH-IN NOTE

PRESSURE SEAL FITTINGS: IN PRESSURE SEALED FITTING SYSTEMS THE BRANCH MAIN ROUGH-IN FITTING MUST BE INSIDE OF THE WALL AND THE LAST FITTING JUST OUTSIDE OF THE WALL FOR PLUMBING ROUGH-IN TO SERVE FIXTURES SHALL UTILIZE SWEAT / SOLDER TYPE FITTINGS. PRESSURE SEAL FITTINGS ON THE LAST BRANCH MAIN FITTINGS ARE NOT PERMITTED.

EXISTING SEWER MAIN CAMERA AND CLEANING REQUIREMENTS

CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS AND EXISTENCE OF ALL SANITARY WASTE SEWERS BELOW THE SLAB ON GRADE FLOOR LEVEL. CONTRACTOR SHALL CAMERA AND REVIEW THE EXISTING SANITARY WASTE PIPING MAINS WHICH ARE IDENTIFIED ON DRAWING 1/PD100 TO LEARN IF THERE ARE ANY COLLAPSED SEWER MAINS OR BLOCKED PORTIONS OF THE EXISTING SYSTEM. REPORT FINDINGS BACK TO SHS MAINTENANCE PERSONNEL AND THE ARCHITECT / ENGINEER IF ANY PORTIONS OF THE EXISTING SEWER ARE COLLAPSED. CLEAN THE SANITARY WASTE BUILDING MAIN LOCATED BELOW THE SLAB ON GRADE CONSTRUCTION WITH A WATER JET CLEANER WHERE ACCESS INTO THE EXISTING SEWER WILL PERMIT AS NOTED ON 1/PD100.

PROVIDE SHS STAFF WITH A DIGITAL COPY OF THE SEWER CAMERA FOOTAGE ON A USB DRIVE AT SUBSTANTIAL COMPLETION FOR REFERENCE.

SHERIDAN HIGH SCHOOL - FACS RENOVATION

SHERIDAN COUNTY SCHOOL DISTRICT #2



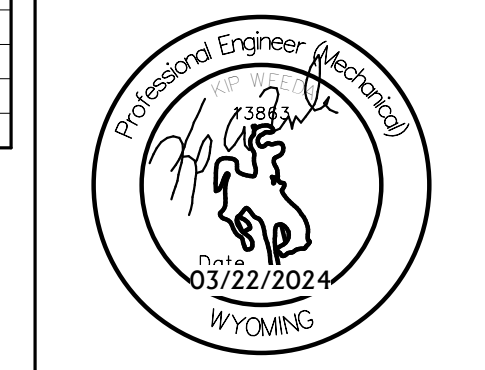
201 N. CONNOR, STE 100SHERIDAN, WY 82801 307-674-7405 TROY TROY TROY.TROY@SCSD2.COM

ARCHITECT



228 E. BRUNDAGE ST. | SUITE 100 SHERIDAN, WY 82801 307-672-8270 KAREN KELLY, AIA KARENK@ARETEDSIGN.GROUP

ACE INC ASSOCIATED + CONSTRUCTION + ENGINEERING 19 SOUTH MAIN SHERIDAN, WY 82801 307-673-5300 monter@acemnt.com ACE JOB 235H5910



REVISIONS

Table with columns: NO., DESCRIPTION, DATE. Contains one revision entry.

PROJECT NUMBER: 2023-70

DATE: 3-22-2024

ISSUE: 100% CDs

PLUMBING COVER SHEET

P001

SHERIDAN HIGH SCHOOL - FACS RENOVATION

SHERIDAN COUNTY SCHOOL DISTRICT #2



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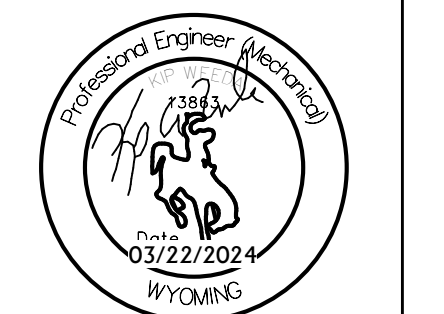
ARCHITECT



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REVISIONS

NO.	DESCRIPTION	DATE

PROJECT NUMBER: 2023-70

DATE: 3-22-2024

ISSUE: 100% CDs

PLUMBING DOMESTIC WASTE AND VENT FIRST FLOOR - UNDER SLAB DEMOLITION PLAN

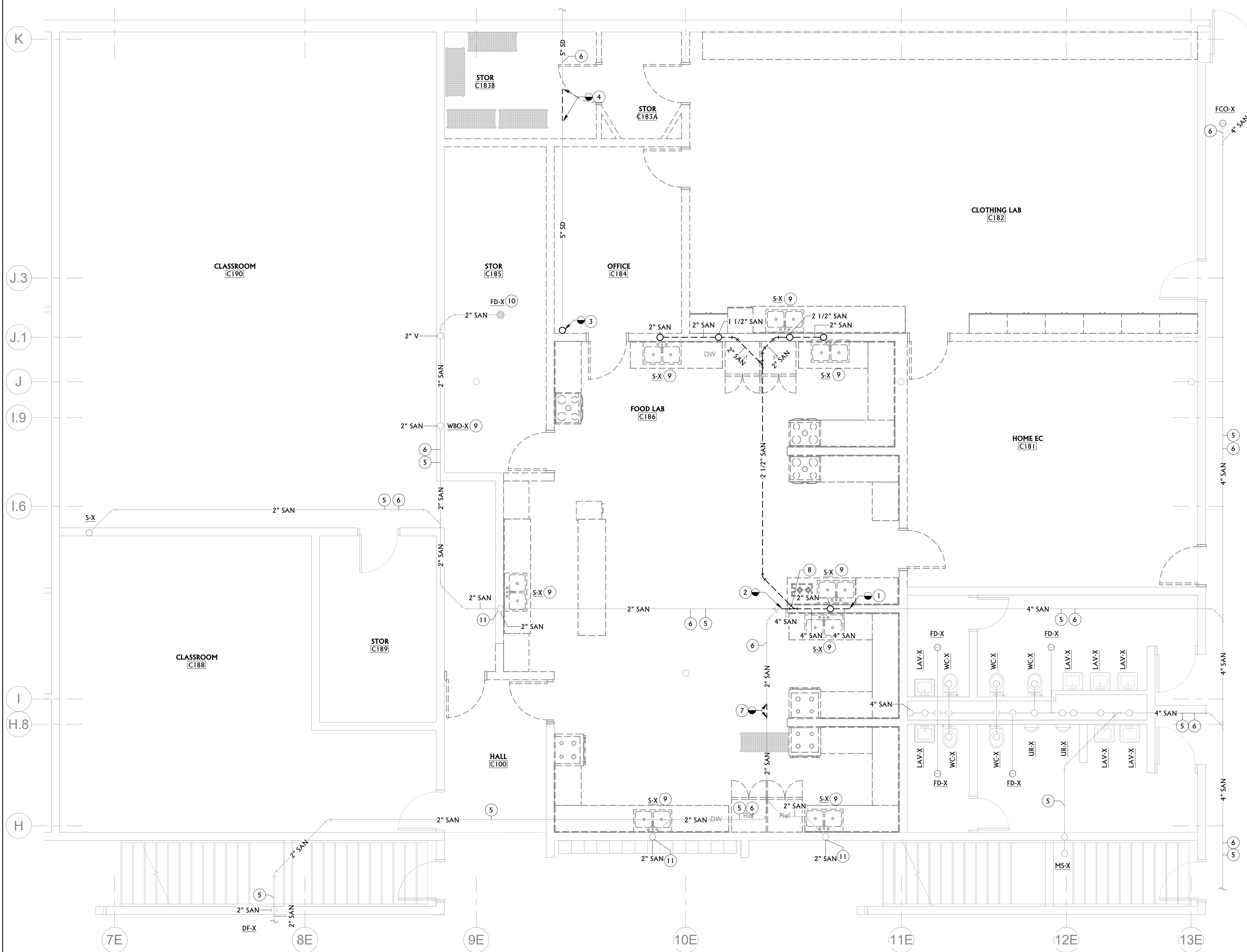
PD100

PLUMBING GENERAL DEMOLITION NOTES

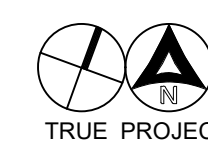
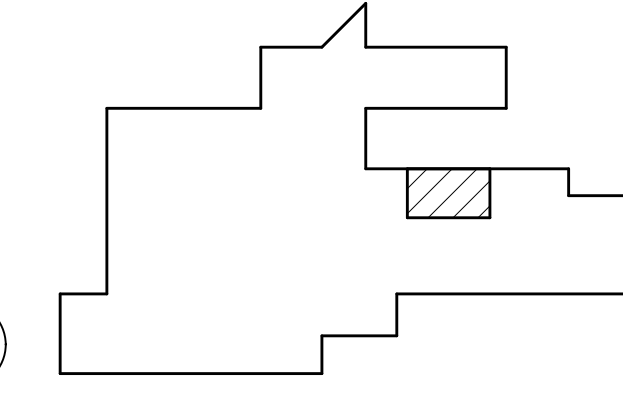
A	CONTRACTOR SHALL CUT ALL FLOORS, WALLS, CEILING, AND ROOF AS REQUIRED TO PERFORM THE WORK DEPICTED IN THESE CONTRACT DOCUMENTS AND SPECIFICATIONS. CONTRACTOR SHALL PATCH ALL ASSOCIATED FLOORS, WALLS, CEILING, AND ROOF AS REQUIRED TO THE SATISFACTION OF THE ARCHITECT/ENGINEER.
B	COORDINATE PLUMBING EQUIPMENT AND PIPING DEMOLITION WITH ALL OTHER TRADES AND EXISTING CONDITIONS AS REQUIRED.
C	THE EXISTING INFORMATION SHOWN ON THIS DRAWING WAS OBTAINED FROM EXISTING DRAWINGS AND VISUAL FIELD OBSERVATIONS WHICH SHALL BE INCLUDED IN THE SCOPE OF WORK. FIELD VERIFY ALL EXISTING CONDITIONS AND PROVIDE DEMOLITION AS REQUIRED TO ACCOMMODATE CONSTRUCTION.
D	NOTIFY THE GENERAL CONTRACTOR AND OWNER OF ANY SYSTEM SHUT-DOWNS AND APPROXIMATE SHUT-DOWN TIME PRIOR TO COMMENCING WITH WORK.
E	CONTRACTOR SHALL REMOVE ALL DEMOLISHED MATERIALS FROM BUILDING, UNLESS SPECIFICALLY NOTED TO BE ABANDONED IN PLACE OR RE-USED.
F	DRAWINGS SHOW GENERAL LOCATIONS OF MATERIALS TO BE REMOVED. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXTENT OF WORK REQUIRED FOR A COMPLETE SYSTEM REMOVAL.
G	OWNER HAS FIRST RIGHT OF REFUSAL FOR ALL EQUIPMENT/MATERIAL CALLED OUT TO BE REMOVED. CONTRACTOR SHALL PRESENT ALL DEMOLISHED EQUIPMENT/MATERIAL TO OWNER PRIOR TO REMOVING FROM SITE.
H	CONTRACTOR SHALL REMOVE ALL HANGERS AND SUPPORTS SERVING EQUIPMENT AND PIPING DEMOLISHED IN THIS PROJECT. HANGERS WHICH ARE PERMANENTLY ATTACHED TO THE EXISTING STRUCTURE SHALL BE CUT BACK FLUSH TO THEIR EXISTING CONNECTION POINT TO THE EXISTING STRUCTURE. DEMOLISH ALL ACCESSIBLE SEWER AND WATER LINES BACK TO AN ACTIVE MAIN. DEAD END LINES ARE NOT ACCEPTABLE.
I	EXISTING EQUIPMENT IS IDENTIFY BY A SYMBOL WITH AN "X" IN THE EQUIPMENT TAG.
J	CONTRACTOR SHALL SEAL ALL PENETRATIONS CREATED AND ABANDONED THROUGHOUT THIS PROJECT.

PLUMBING KEYNOTES

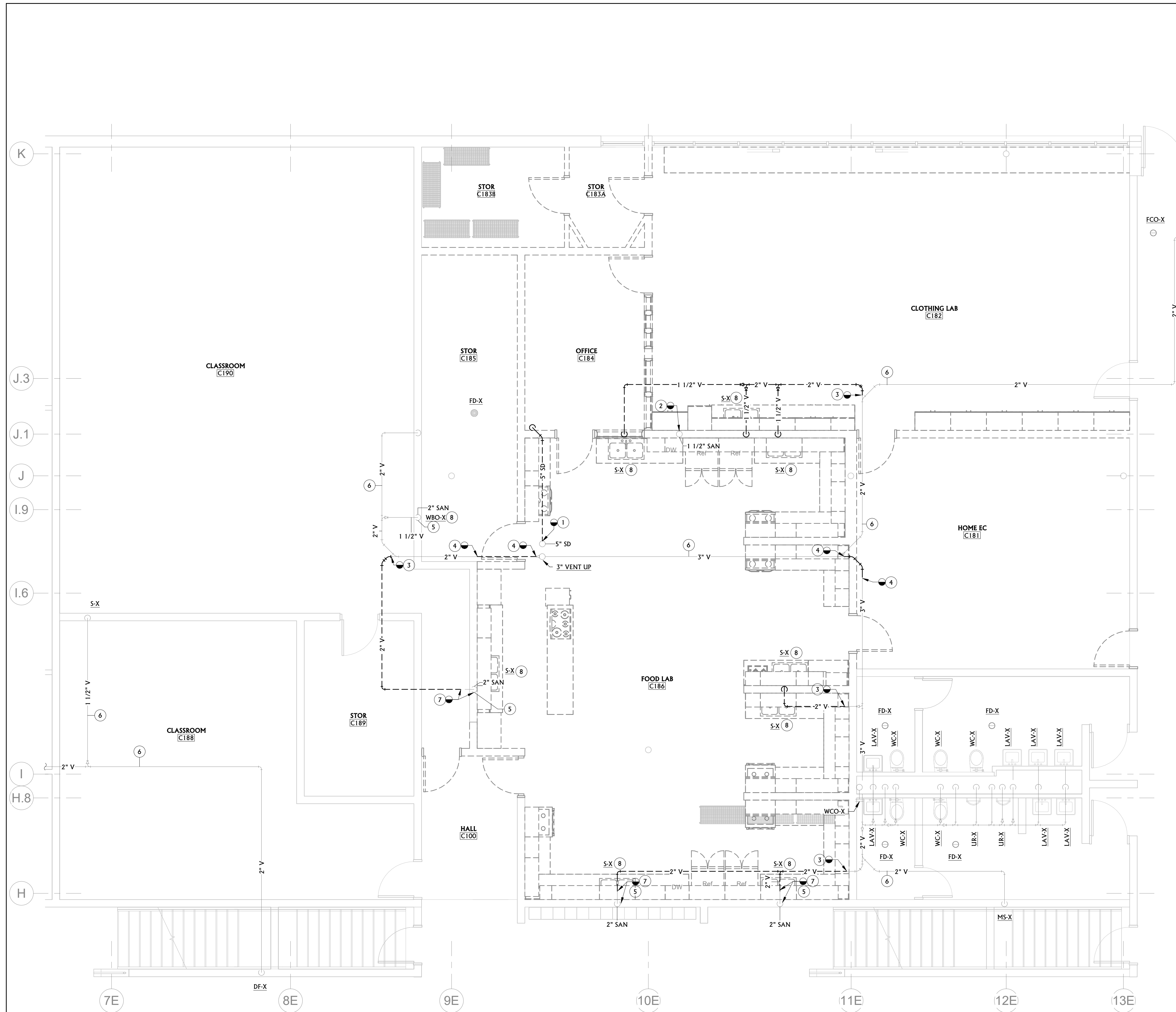
1	DEMOLISH THE EXISTING 4" SAN PIPING UPSTREAM OF THE SHOWN P.O.D.C. SYMBOL. PIPING TO BE RECONNECTED IN THE REMODEL. SEE REMODEL PLANS FOR THE NEW WORK.
2	PIPING UPSTREAM OF THE P.O.D.C. SYMBOL TO BE RE-USED AND RECONNECTED. DEMOLISH PIPING DOWNSTREAM AT THE P.O.D.C. SYMBOL AS INDICATED.
3	DEMOLISH THE EXISTING 5" STORM DRAIN PIPING TO BELOW THE FLOOR LEVEL AND CAP.
4	DEMOLISH THE EXISTING 5" STORM DRAIN PIPING BETWEEN THE (2) P.O.D.C. SYMBOLS. PIPING DOWNSTREAM AT THE P.O.D.C. TO BE RECONNECTED. SEE REMODEL PLAN FOR NEW WORK. PIPING UPSTREAM OF THE P.O.D.C. TO BE ABANDONED IN PLACE.
5	EXISTING SYSTEM TO REMAIN, NO DEMOLITION WORK REQUIRED.
6	CONTRACTOR SHALL CLEAN AND CAMERA EXISTING SANITARY WASTE PIPING BELOW THE SLAB WHICH IS IDENTIFIED WITH THIS NOTE.
7	DEMOLISH THE EXISTING 2" SANITARY WASTE PIPING BETWEEN THE (2) P.O.D.C. SYMBOLS. SEE REMODEL PLANS FOR NEW WORK.
8	DEMOLISH THE EXISTING 2 1/2" BRANCH MAIN PIPING IN ENTIRETY UPSTREAM OF THE 4" BUILDING MAIN.
9	DEMOLISH THE EXISTING PLUMBING FIXTURE.
10	EXISTING FLOOR DRAIN TO REMAIN.
11	PIPING TO BE ABANDONED IN PLACE.



KEY PLAN



1 PLUMBING DOMESTIC WASTE AND VENT FIRST FLOOR - UNDER SLAB DEMOLITION PLAN
PD100 1/4" = 1'-0"



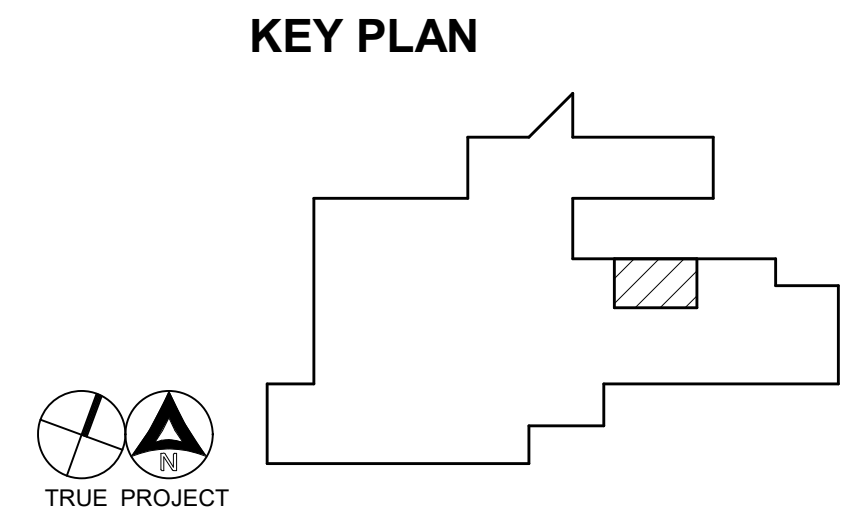
1 PD101 1/4" = 1'-0" PLUMBING DOMESTIC WASTE AND VENT FIRST FLOOR - ABOVE SLAB DEMOLITION PLAN

PLUMBING GENERAL DEMOLITION NOTES

- CONTRACTOR SHALL CUT ALL FLOORS, WALLS, CEILINGS, AND ROOF AS REQUIRED TO PERFORM THE WORK DEPICTED IN THESE CONTRACT DOCUMENTS AND SPECIFICATIONS. CONTRACTOR SHALL PATCH ALL ASSOCIATED FLOORS, WALLS, CEILINGS, AND ROOF AS REQUIRED TO THE SATISFACTION OF THE ARCHITECT/ENGINEER.
- COORDINATE PLUMBING EQUIPMENT AND PIPING DEMOLITION WITH ALL OTHER TRADES AND EXISTING CONDITIONS AS REQUIRED.
- THE EXISTING INFORMATION SHOWN ON THIS DRAWING WAS OBTAINED FROM EXISTING DRAWINGS AND VISUAL FIELD OBSERVATIONS WHICH SHALL BE INCLUDED IN THE SCOPE OF WORK. FIELD VERIFY ALL EXISTING CONDITIONS AND PROVIDE DEMOLITION AS REQUIRED TO ACCOMMODATE CONSTRUCTION.
- NOTIFY THE GENERAL CONTRACTOR AND OWNER OF ANY SYSTEM SHUT-DOWNS AND APPROXIMATE SHUT-DOWN TIME PRIOR TO COMMENCING WITH WORK.
- CONTRACTOR SHALL REMOVE ALL DEMOLISHED MATERIALS FROM BUILDING, UNLESS SPECIFICALLY NOTED TO BE ABANDONED IN PLACE OR RE-USED.
- DRAWINGS SHOW GENERAL LOCATIONS OF MATERIALS TO BE REMOVED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXTENT OF WORK REQUIRED FOR A COMPLETE SYSTEM REMOVAL.
- OWNER HAS FIRST RIGHT OF REFUSAL FOR ALL EQUIPMENT/MATERIAL CALLED OUT TO BE REMOVED. CONTRACTOR SHALL PRESENT ALL DEMOLISHED EQUIPMENT/MATERIAL TO OWNER PRIOR TO REMOVING FROM SITE.
- CONTRACTOR SHALL REMOVE ALL HANGERS AND SUPPORTS SERVING EQUIPMENT AND PIPING DEMOLISHED IN THIS PROJECT. HANGERS WHICH ARE PERMANENTLY ATTACHED TO THE EXISTING STRUCTURE SHALL BE CUT BACK FLUSH TO THEIR EXISTING CONNECTION POINT TO THE EXISTING STRUCTURE. DEMOLISH ALL ACCESSIBLE SEWER AND WATER LINES BACK TO AN ACTIVE MAIN. DEAD END LINES ARE NOT ACCEPTABLE.
- EXISTING EQUIPMENT IS IDENTIFY BY A SYMBOL WITH AN "X" IN THE EQUIPMENT TAG.
- CONTRACTOR SHALL SEAL ALL PENETRATIONS CREATED AND ABANDONED THROUGHOUT THIS PROJECT.

PLUMBING KEYNOTES

- DEMOLISH THE EXISTING 5" STORM DRAIN BRANCH MAIN IN ITS ENTIRETY FROM THE SHOWN P.O.D.C. SYMBOL TO BELOW THE FINISH FLOOR LEVEL. SEE 1/PD100 FOR CONTINUATION DOWN. PIPING UPSTREAM OF THE P.O.D.C. SYMBOL TO BE RECONNECTED IN THE REMODEL. SEE REMODEL PLANS FOR NEW WORK.
- DEMOLISH THE EXISTING 1 1/2" SAN RISER FROM THE CEILING SPACE TO BELOW THE FINISHED FLOOR LEVEL. SEE 1/PD100 FOR CONTINUATION DOWN. PIPING UPSTREAM OF THE P.O.D.C. SYMBOL IN THE CEILING SPACE TO BE RECONNECTED IN THE REMODEL. SEE REMODEL PLANS FOR NEW WORK.
- DEMOLISH THE EXISTING BRANCH VENT PIPING IN ITS ENTIRETY DOWNSTREAM AT THE SHOWN P.O.D.C. SYMBOL. PIPING UPSTREAM OF P.O.D.C. SYMBOL TO BE RECONNECTED IN THE REMODEL.
- DEMOLISH THE EXISTING VENT PIPING BETWEEN THE P.O.D.C. SYMBOLS. SEE REMODEL PLANS FOR NEW WORK.
- DEMOLISH THE EXISTING SANITARY WASTE PIPING SERVING THE FIXTURE BACK INTO THE WALL. SEE REMODEL PLANS FOR NEW WORK.
- EXISTING SYSTEM TO REMAIN, NO DEMOLITION WORK REQUIRED.
- DEMOLISH THE BRANCH VENT PIPING TO THE P.O.D.C. SYMBOL AND CAP THE BRANCH VENT THAT CONTINUES DOWNSTREAM OF THE P.O.D.C. SYMBOL. BRANCH VENT PIPING THAT ROUTES DOWN INTO THE WALL SHALL BE ABANDONED IN PLACE.
- DEMOLISH THE EXISTING PLUMBING FIXTURE.

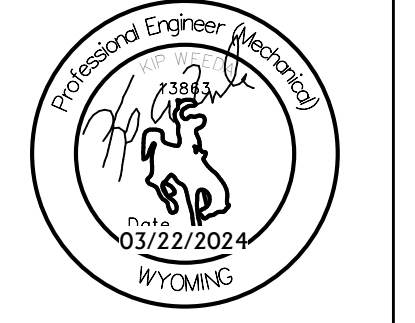


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REVISIONS

NO.	DESCRIPTION	DATE

PROJECT NUMBER:
2023-70
 DATE:
3-22-2024
 ISSUE:
100% CDs

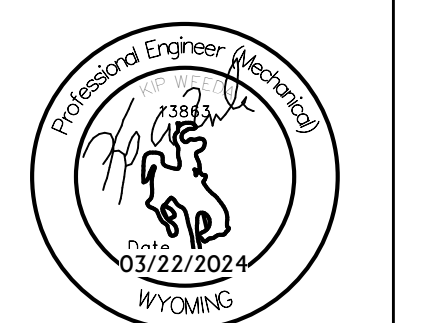
PLUMBING DOMESTIC WASTE AND VENT FIRST FLOOR - ABOVE SLAB DEMOLITION PLAN

PD101

SHERIDAN HIGH SCHOOL - FACS RENOVATION



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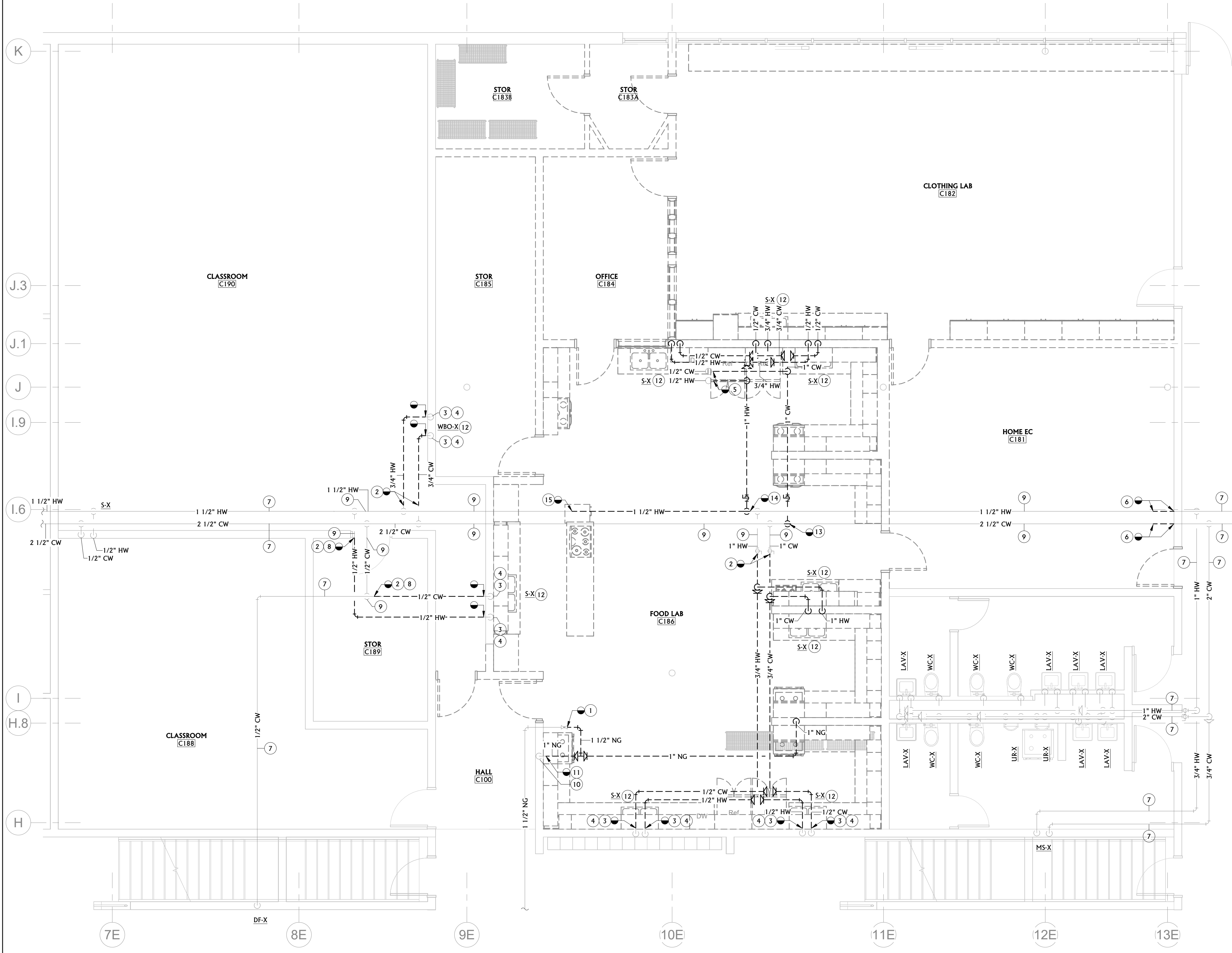
ISSUE:
100% CDs

PLUMBING DOMESTIC WATER FIRST FLOOR DEMOLITION PLAN

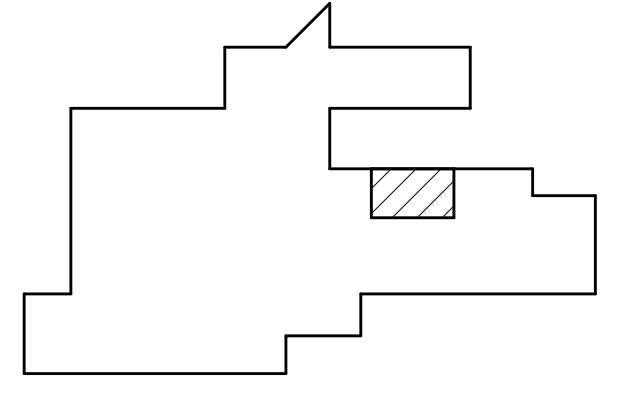
PD201

- PLUMBING GENERAL DEMOLITION NOTES**
- A CONTRACTOR SHALL CUT ALL FLOORS, WALLS, CEILINGS, AND ROOF AS REQUIRED TO PERFORM THE WORK DEPICTED IN THESE CONTRACT DOCUMENTS AND SPECIFICATIONS. CONTRACTOR SHALL PATCH ALL ASSOCIATED FLOORS, WALLS, CEILINGS, AND ROOF AS REQUIRED TO THE SATISFACTION OF THE ARCHITECT/ENGINEER.
 - B COORDINATE PLUMBING EQUIPMENT AND PIPING DEMOLITION WITH ALL OTHER TRADES AND EXISTING CONDITIONS AS REQUIRED.
 - C THE EXISTING INFORMATION SHOWN ON THIS DRAWING WAS OBTAINED FROM EXISTING DRAWINGS AND VISUAL FIELD OBSERVATIONS WHICH SHALL BE INCLUDED IN THE SCOPE OF WORK. FIELD VERIFY ALL EXISTING CONDITIONS AND PROVIDE DEMOLITION AS REQUIRED TO ACCOMMODATE CONSTRUCTION.
 - D NOTIFY THE GENERAL CONTRACTOR AND OWNER OF ANY SYSTEM SHUT-DOWNS AND APPROXIMATE SHUT-DOWN TIME PRIOR TO COMMENCING WITH WORK.
 - E CONTRACTOR SHALL REMOVE ALL DEMOLISHED MATERIALS FROM BUILDING, UNLESS SPECIFICALLY NOTED TO BE ABANDONED IN PLACE OR RE-USED.
 - F DRAWINGS SHOW GENERAL LOCATIONS OF MATERIALS TO BE REMOVED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXTENT OF WORK REQUIRED FOR A COMPLETE SYSTEM REMOVAL.
 - G OWNER HAS FIRST RIGHT OF REFUSAL FOR ALL EQUIPMENT/MATERIAL CALLED OUT TO BE REMOVED. CONTRACTOR SHALL PRESENT ALL DEMOLISHED EQUIPMENT/MATERIAL TO OWNER PRIOR TO REMOVING FROM SITE.
 - H CONTRACTOR SHALL REMOVE ALL HANGERS AND SUPPORTS SERVING EQUIPMENT AND PIPING DEMOLISHED IN THIS PROJECT. HANGERS WHICH ARE PERMANENTLY ATTACHED TO THE EXISTING STRUCTURE SHALL BE CUT BACK FLUSH TO THEIR EXISTING CONNECTION POINT TO THE EXISTING STRUCTURE. DEMOLISH ALL ACCESSIBLE SEWER AND WATER LINES BACK TO AN ACTIVE MAIN. DEAD END LINES ARE NOT ACCEPTABLE.
 - I EXISTING EQUIPMENT IS IDENTIFY BY A SYMBOL WITH AN "X" IN THE EQUIPMENT TAG.
 - J CONTRACTOR SHALL SEAL ALL PENETRATIONS CREATED AND ABANDONED THROUGHOUT THIS PROJECT.

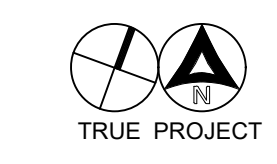
- PLUMBING KEYNOTES**
- 1 DEMOLISH THE EXISTING 1 1/2" NG IN ENTIRETY DOWNSTREAM OF THE SHOWN P.O.D.C. SYMBOL UNLESS NOTED OTHERWISE. PIPING TO BE RECONNECTED IN THE REMODEL PLAN.
 - 2 DEMOLISH THE EXISTING CW / HW BRANCH MAINS IN ENTIRETY DOWNSTREAM OF THE SHOWN P.O.D.C. SYMBOL UNLESS NOTED OTHERWISE. PIPING TO BE RECONNECTED IN THE REMODEL PLAN.
 - 3 DEMOLISH THE EXISTING CW / HW PIPING SERVING THE FIXTURE INTO THE WALL AND CAP. PIPING WITHIN THE WALL TO BE ABANDONED IN PLACE.
 - 4 DEMOLISH THE EXISTING CW / HW BRANCH MAINS ABOVE THE CEILING TO THE P.O.D.C. SYMBOL. CAP THE CW / HW PIPING AT THE P.O.D.C. SYMBOLS. PIPING WITHIN THE WALL SHALL BE ABANDONED IN PLACE.
 - 5 DEMOLISH THE EXISTING CW / HW BUILDING MAINS TO THE SHOWN P.O.D.C. SYMBOLS. PIPING DOWNSTREAM OF THE P.O.D.C. SYMBOLS TO BE RECONNECTED IN THE REMODEL. SEE REMODEL PLANS FOR NEW WORK.
 - 6 DEMOLISH THE EXISTING CW / HW BUILDING MAINS BETWEEN THE SHOWN P.O.D.C. SYMBOL. PIPING TO BE RECONNECTED IN THE REMODEL. SEE REMODEL PLANS FOR NEW WORK.
 - 7 EXISTING SYSTEM TO REMAIN. NO DEMOLITION WORK REQUIRED.
 - 8 VALVE AND CAP THE EXISTING BRANCH MAIN FOR FUTURE USE.
 - 9 REMOVE EXISTING PIPE INSULATION IN ENTIRETY ON EXISTING PIPING TO REMAIN THAT IS IDENTIFIED WITH THIS NOTE.
 - 10 DEMOLISH THE EXISTING NG PIPING SERVING THE FIXTURE INTO THE WALL AND CAP. PIPING WITHIN THE WALL TO BE ABANDONED IN PLACE.
 - 11 DEMOLISH THE EXISTING NG PIPING ABOVE THE CEILING TO THE P.O.D.C. SYMBOL. CAP THE NG PIPING AT THE P.O.D.C. SYMBOLS. PIPING WITHIN THE WALL SHALL BE ABANDONED IN PLACE.
 - 12 DEMOLISH THE EXISTING PLUMBING FIXTURE.
 - 13 DEMOLISH THE EXISTING CW BRANCH MAIN IN ENTIRETY DOWNSTREAM OF THE SHOWN P.O.D.C. SYMBOL UNLESS NOTED OTHERWISE. PIPING TO BE RECONNECTED IN THE REMODEL PLAN.
 - 14 DEMOLISH THE EXISTING HW BRANCH MAIN IN ENTIRETY DOWNSTREAM OF THE SHOWN P.O.D.C. SYMBOL UNLESS NOTED OTHERWISE. PIPING TO BE RECONNECTED IN THE REMODEL PLAN.
 - 15 DEMOLISH AND CAP THE 1 1/2" HW MAIN PIPING BETWEEN THE (2) P.O.D.C. SYMBOLS. PIPING TO BE RECONNECTED IN THE REMODEL. SEE REMODEL PLANS FOR NEW WORK.



KEY PLAN

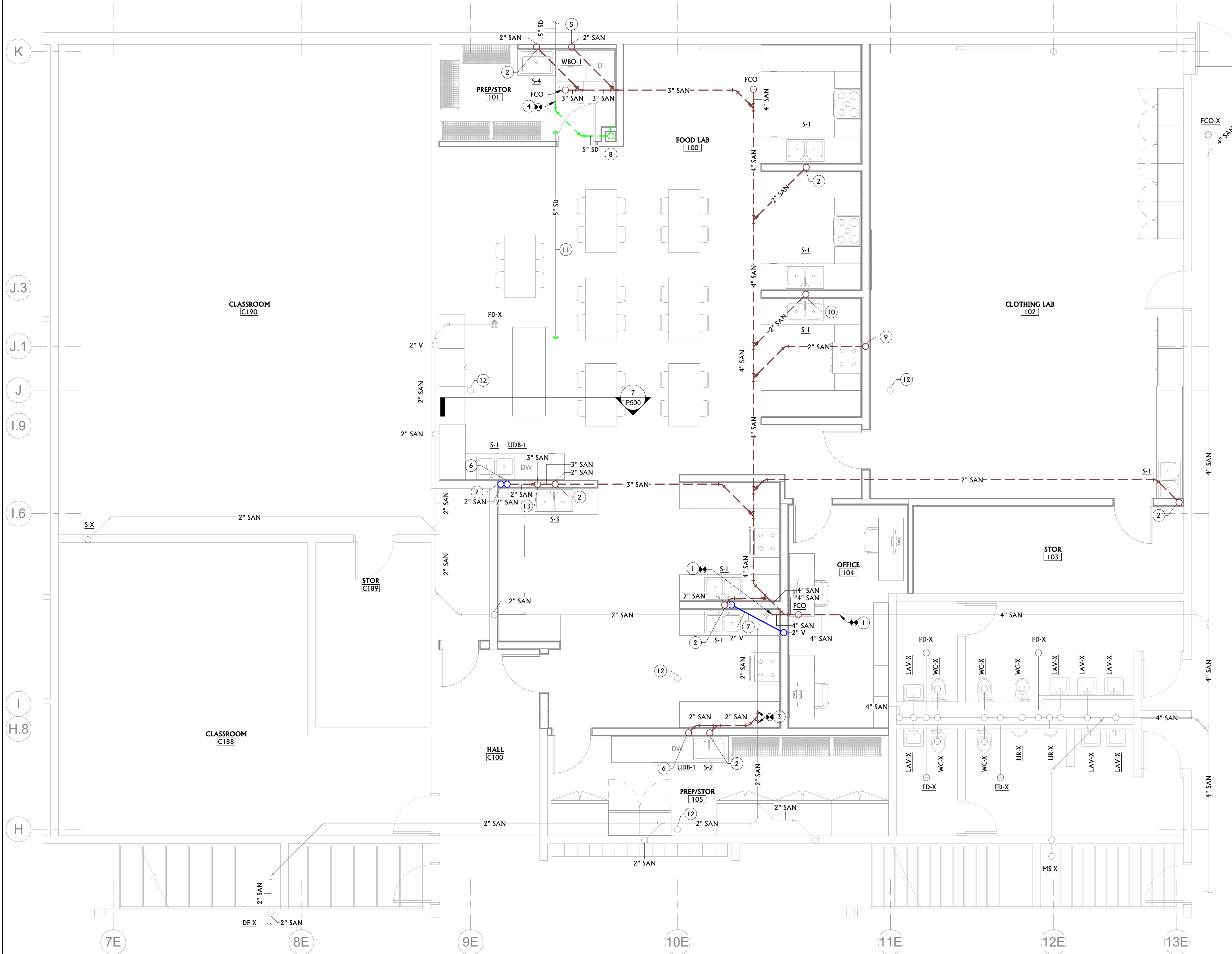


1 PLUMBING DOMESTIC WATER FIRST FLOOR DEMOLITION PLAN
PD201 1/4" = 1'-0"



3/22/2024 8:48:03 AM

3/22/2024 8:48:11 AM



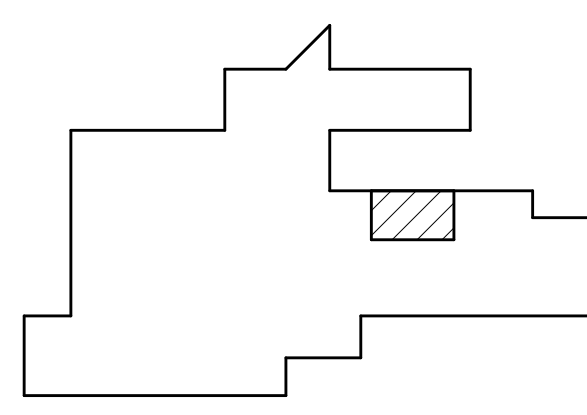
1
P100
1/4" = 1'-0"

PLUMBING DOMESTIC WASTE AND VENT FIRST FLOOR - UNDER SLAB PLAN

- ### PLUMBING GENERAL DOMESTIC WASTE AND VENT NOTES
- A CONTRACTOR SHALL CUT ALL FLOORS, WALLS, CEILING, AND ROOF AS REQUIRED TO PERFORM THE WORK DEPICTED IN THESE CONTRACT DOCUMENTS AND SPECIFICATIONS. CONTRACTOR SHALL PATCH ALL ASSOCIATED FLOORS, WALLS, CEILING, AND ROOF AS REQUIRED TO THE SATISFACTION OF THE ARCHITECT/ENGINEER.
 - B COORDINATE NEW PLUMBING EQUIPMENT AND PIPING WITH ALL OTHER TRADES AND EXISTING CONDITIONS AS REQUIRED. COORDINATE PLUMBING SYSTEMS WITH THE OWNER PROVIDED EQUIPMENT.
 - C REFERENCE ARCHITECTURAL PLANS FOR EXACT FIXTURE LOCATIONS.
 - D COORDINATE UNDERSLAB PIPING WITH FOOTINGS AND STEM WALLS.
 - E PROVIDE CLEANOUTS WHERE SHOWN TO BE PROVIDED AND INSTALLED. REFER TO DETAIL 2/P500 FOR ADDITIONAL REQUIREMENTS.
 - F CONTRACTOR SHALL COORDINATE PIPE ROUTING AND EQUIPMENT PLACEMENT WITH THE SHEET METAL, HYDRONIC PIPING, FIRE PROTECTION, AND EXISTING SYSTEMS PRIOR TO INSTALLING. THE SHEET METAL DUCT WORK SHALL HAVE THE ROUTING PRIORITY. PROVIDE OFFSETS AND TRANSITIONS AS REQUIRED.
 - G CONTRACTOR SHALL VERIFY ALL SANITARY AND STORM DRAINAGE INVERT ELEVATIONS PRIOR TO INITIATING ANY WORK.
 - H DRAWINGS REPRESENT GENERAL ROUTING. NOT ALL EXISTING CONDITIONS ARE SHOWN. CONTRACTOR SHALL MAKE PIPING OFFSETS AND TRANSITIONS AS NEEDED. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SIZES AND LOCATIONS PRIOR TO BIDDING AND CONSTRUCTING.
 - I COORDINATE ALL PIPE PENETRATIONS WITH THE NEW AND EXISTING STRUCTURAL LAYOUTS.
 - J SPACE ABOVE CEILING BEING USED AS A RETURN AIR PLENUM. ALL MATERIALS TO BE RATED FOR PLENUM USE. MUST MEET 25/50 FLAME AND SMOKE SPREAD RATING.
 - K EXISTING EQUIPMENT IS IDENTIFIED BY A SYMBOL WITH AN "X" IN THE EQUIPMENT TAG.
 - L THE EXISTING INFORMATION SHOWN ON THIS DRAWING WAS OBTAINED FROM EXISTING DRAWINGS AND VISUAL FIELD OBSERVATIONS WHICH SHALL BE INCLUDED IN THE SCOPE OF WORK. FIELD VERIFY ALL EXISTING CONDITIONS AND PROVIDE DEMOLITION AS REQUIRED TO ACCOMMODATE CONSTRUCTION.
 - M NOTIFY THE GENERAL CONTRACTOR AND OWNER OF ANY SYSTEM SHUT-DOWNS AND APPROXIMATE SHUT-DOWN TIME PRIOR TO COMMENCING WITH WORK.

- ### PLUMBING KEYNOTES
- 1 P.O.C. - CONNECT NEW 4" SANITARY WASTE PIPING TO THE EXISTING SANITARY AT THE SHOWN P.O.C. SYMBOL.
 - 2 ROUTE 2" SAN UP IN THE WALL TO SERVE THE NEW SINK. SEE 1/P101 FOR CONTINUATION UP.
 - 3 P.O.C. - CONNECT THE NEW 2" SAN BRANCH INTO THE EXISTING 2" SAN AT THE P.O.C. SYMBOL SHOWN.
 - 4 ROUTE NEW 5" STORM DRAIN TO P.O.C. SYMBOL AS SHOWN.
 - 5 ROUTE NEW 2" SAN UP IN WALL TO SERVE THE NEW CLOTHES WASHER BOX. REFER TO DETAIL 4/P500 FOR ADDITIONAL REQUIREMENTS. SEE 1/P101 FOR CONTINUATION UP.
 - 6 ROUTE NEW 2" SAN UP IN WALL TO SERVE THE NEW UTILITY DRAIN BOX. SEE 1/P101 FOR CONTINUATION UP.
 - 7 ROUTE NEW 2" VENT UNDER SLAB TO ISLAND VENT NEW SINKS. REFER TO 1/P101 FOR CONTINUATION UP. REFER TO DETAIL 3/P500 FOR ISLAND VENTING CONFIGURATION.
 - 8 ROUTE 5" SD UP IN THE NEW CHASE. SEE 1/P101 FOR CONTINUATION UP.
 - 9 ROUTE 2" SAN UP IN THE WALL TO SERVE FIXTURES ABOVE. SEE 1/P101 FOR CONTINUATION UP.
 - 10 ROUTE 2" SAN UP IN THE WALL TO SERVE THE BACK TO BACK SINKS. SEE 1/P101 FOR CONTINUATION UP.
 - 11 EXISTING 5" STORM DRAIN TO BE CAPPED AND ABANDONED IN PLACE.
 - 12 EXISTING STRUCTURAL COLUMN.
 - 13 ROUTE 3" SAN UP IN THE WALL TO SERVE A LINE SIZE WALL CLEANOUT ABOVE. SEE 1/P101 FOR CONTINUATION UP.

KEY PLAN



TRUE PROJECT

SHERIDAN HIGH SCHOOL - FACS RENOVATION



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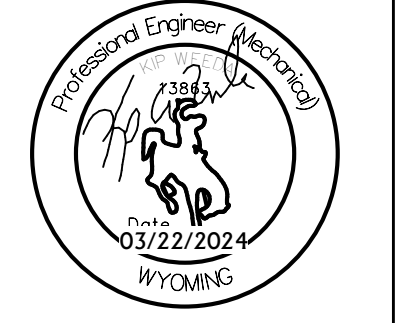
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NO.	DESCRIPTION	DATE

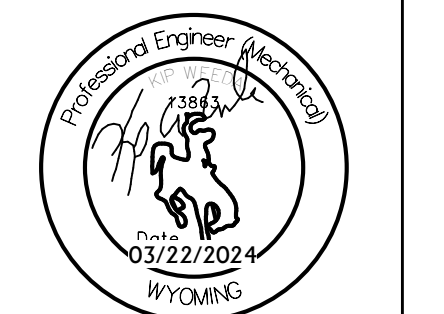
PROJECT NUMBER:
2023-70

DATE:
3-22-2024

ISSUE:
100% CDs

PLUMBING DOMESTIC WASTE AND VENT FIRST FLOOR - UNDER SLAB PLAN

P100



REVISIONS

NO.	DESCRIPTION	DATE

PROJECT NUMBER:
2023-70

DATE:
3-22-2024

ISSUE:
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PLUMBING DOMESTIC WASTE AND VENT FIRST FLOOR - ABOVE SLAB PLAN

P101

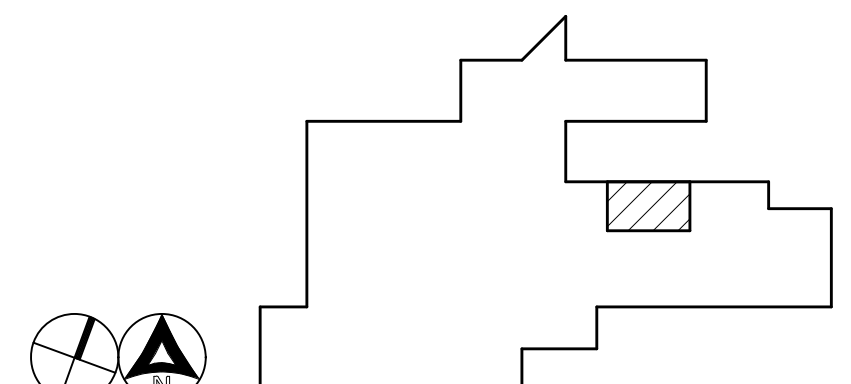
PLUMBING GENERAL DOMESTIC WASTE AND VENT NOTES

- A CONTRACTOR SHALL CUT ALL FLOORS, WALLS, CEILING, AND ROOF AS REQUIRED TO PERFORM THE WORK DEPICTED IN THESE CONTRACT DOCUMENTS AND SPECIFICATIONS. CONTRACTOR SHALL PATCH ALL ASSOCIATED FLOORS, WALLS, CEILING, AND ROOF AS REQUIRED TO THE SATISFACTION OF THE ARCHITECT/ENGINEER.
- B COORDINATE NEW PLUMBING EQUIPMENT AND PIPING WITH ALL OTHER TRADES AND EXISTING CONDITIONS AS REQUIRED. COORDINATE PLUMBING SYSTEMS WITH THE OWNER PROVIDED EQUIPMENT.
- C REFERENCE ARCHITECTURAL PLANS FOR EXACT FIXTURE LOCATIONS.
- D COORDINATE UNDERSLAB PIPING WITH FOOTINGS AND STEM WALLS.
- E PROVIDE CLEANOUTS WHERE SHOWN TO BE PROVIDED AND INSTALLED. REFER TO DETAIL 2/P500 FOR ADDITIONAL REQUIREMENTS.
- F CONTRACTOR SHALL COORDINATE PIPE ROUTING AND EQUIPMENT PLACEMENT WITH THE SHEET METAL, HYDRONIC PIPING, FIRE PROTECTION, AND EXISTING SYSTEMS PRIOR TO INSTALLING. THE SHEET METAL DUCT WORK SHALL HAVE THE ROUTING PRIORITY. PROVIDE OFFSETS AND TRANSITIONS AS REQUIRED.
- G CONTRACTOR SHALL VERIFY ALL SANITARY AND STORM DRAINAGE INVERT ELEVATIONS PRIOR TO INITIATING ANY WORK.
- H DRAWINGS REPRESENT GENERAL ROUTING. NOT ALL EXISTING CONDITIONS ARE SHOWN. CONTRACTOR SHALL MAKE PIPING OFFSETS AND TRANSITIONS AS NEEDED. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SIZES AND LOCATIONS PRIOR TO BIDDING AND CONSTRUCTING.
- I COORDINATE ALL PIPE PENETRATIONS WITH THE NEW AND EXISTING STRUCTURAL LAYOUTS.
- J SPACE ABOVE CEILING BEING USED AS A RETURN AIR PLENUM. ALL MATERIALS TO BE RATED FOR PLENUM USE. MUST MEET 25/50 FLAME AND SMOKE SPREAD RATING.
- K EXISTING EQUIPMENT IS IDENTIFY BY A SYMBOL WITH AN "X" IN THE EQUIPMENT TAG.
- L THE EXISTING INFORMATION SHOWN ON THIS DRAWING WAS OBTAINED FROM EXISTING DRAWINGS AND VISUAL FIELD OBSERVATIONS WHICH SHALL BE INCLUDED IN THE SCOPE OF WORK. FIELD VERIFY ALL EXISTING CONDITIONS AND PROVIDE DEMOLITION AS REQUIRED TO ACCOMMODATE CONSTRUCTION.
- M NOTIFY THE GENERAL CONTRACTOR AND OWNER OF ANY SYSTEM SHUT-DOWNS AND APPROXIMATE SHUT-DOWN TIME PRIOR TO COMMENCING WITH WORK.

PLUMBING KEYNOTES

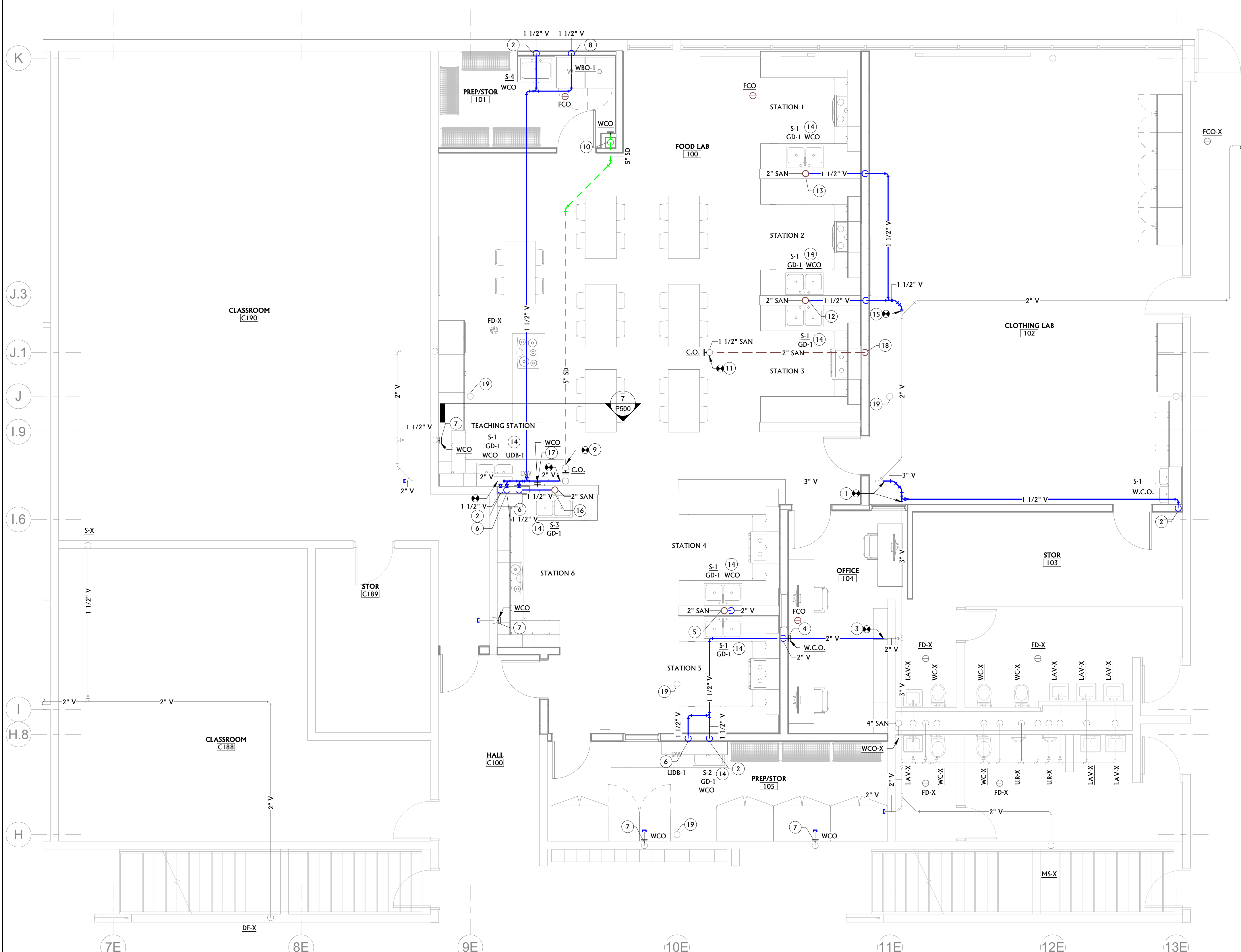
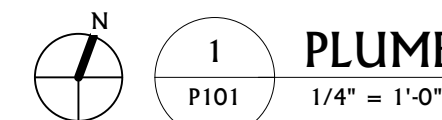
- 1 ROUTE NEW 3" BRANCH VENT TO EXISTING 3" BRANCH VENT PIPING AT SHOWN P.O.C. SYMBOL.
- 2 CONTINUE 2" SAN UP IN THE WALL TO SERVE THE SINK. SEE 1/P100 FOR CONTINUATION DOWN. PROVIDE AND INSTALL A WALL CLEANOUT ON THE 2" SAN RISER SERVING THE SINK. COORDINATE WCO INSTALLATION WITH THE CASEWORK AND GENERAL CONTRACTOR. ROUTE 1 1/2" VENT UP IN THE WALL AND OVER TO THE BRANCH VENT.
- 3 ROUTE NEW 2" BRANCH VENT TO EXISTING 2" BRANCH VENT PIPING AT SHOWN P.O.C. SYMBOL.
- 4 ROUTE 2" VENT DOWN IN THE WALL TO BELOW THE FLOOR LEVEL. SEE 1/P100 FOR CONTINUATION DOWN. BRANCH VENT WILL SERVE THE ISLAND VENT FOR THE BACK-TO-BACK SINKS. PROVIDE AND INSTALL A WALL CLEANOUT ON THE 2" VENT RISER WITHIN THE OFFICE SPACE AS SHOWN.
- 5 CONTINUE 2" SAN UP IN WALL TO SERVE NEW BACK-TO-BACK SINKS. ROUTE 2" SAN TO SERVE EACH SINK. SINKS IN STATION 4 AND STATION 5 WILL BE SERVED AS AN ISLAND VENT. REFER TO DETAIL 3/P500 FOR ADDITION INFORMATION.
- 6 CONTINUE 2" SAN UP IN THE WALL TO SERVE THE UTILITY DRAIN BOX. REFER TO 1/P100 FOR CONTINUATION DOWN. ROUTE DISHWASHER DRAIN TO DISCHARGE INTO THE UTILITY DRAIN BOX. SEE DETAIL 5/P500 FOR ADDITIONAL INFORMATION. ROUTE 1 1/2" VENT UP IN WALL AND OVER TO BRANCH VENT.
- 7 PROVIDE AND INSTALL A NEW WALL CLEANOUT ON THE SANITARY PIPING THAT PREVIOUSLY WAS DEMOLISHED INTO THE WALL. COORDINATE WCO INSTALLATION WITH THE GENERAL CONTRACTOR, CASEWORK, AND WALL TREATMENTS. REFER TO DETAIL 2/P500 FOR ADDITIONAL INFORMATION.
- 8 CONTINUE 2" SAN UP IN THE WALL TO SERVE THE CLOTHS WASHER OUTLET BOX. REFER TO 1/P100 FOR CONTINUATION DOWN. REFER TO DETAIL 4/P500 FOR ADDITIONAL REQUIREMENTS. ROUTE 1 1/2" VENT UP IN THE WALL AND OVER TO THE BRANCH VENT.
- 9 ROUTE NEW 5" STORM DRAIN TO EXISTING 5" STORM DRAIN AT SHOWN P.O.C. SYMBOL. PROVIDE AND INSTALL AN END OF RUN CLEAN OUT ON THE NEW SD BRANCH MAIN AS SHOWN.
- 10 ROUTE NEW 5" STORM DRAIN DOWN IN CHASE. REFER TO 1/P100 FOR CONTINUATION OF STORM DRAIN. PROVIDE AND INSTALL A WCO ON THE RISER NEAR THE FLOOR LEVEL.
- 11 ROUTE NEW 2" SAN TO EXISTING 1 1/2" SAN AT SHOWN P.O.C. SYMBOL. PROVIDE AND INSTALL AN END OF RUN CLEAN OUT ON THE NEW SAN BRANCH MAIN AS SHOWN.
- 12 CONTINUE 2" SAN UP IN THE WALL TO SERVE THE BACK-TO-BACK SINKS. REFER TO 1/P100 FOR CONTINUATION DOWN. ROUTE 2" SAN TO SERVE EACH SINK. PROVIDE AND INSTALL A PENINSULA VENT SYSTEM TO SERVE THE SINKS. REFER TO DETAIL 3/P500 FOR ADDITIONAL PENINSULA VENT INSTALLATION REQUIREMENTS.
- 13 ROUTE 1 1/2" VENT DOWN IN WALL AND THROUGH NEW PONY WALL TO SERVE NEW SINK. REFER TO DETAIL 5/P500 FOR ADDITION INFORMATION. ROUTE NEW 2" SAN UP IN WALL TO SERVE NEW SINKS. PLUMBING CONTRACTOR SHALL COORDINATE W.C.O. WITH NEW CASEWORK. REFER TO DETAIL 2/P500 FOR ADDITION INFORMATION.
- 14 NEW GARBAGE DISPOSAL INSTALLED TO SERVE THE NEW SINK. INSTALL PER MANUFACTURER'S INSTRUCTION. COORDINATE LOCATION OF GARBAGE DISPOSAL WITH CASEWORK. PLUMBING CONTRACTOR SHALL COORDINATE INSTALLATION WITH ELECTRICAL CONTRACTOR.
- 15 ROUTE NEW 1 1/2" BRANCH VENT TO EXISTING 2" BRANCH VENT PIPING AT SHOWN P.O.C. SYMBOL. ADD A NEW C.O. AS INDICATED BY DRAWING.
- 16 CONTINUE 2" SAN UP IN THE WALL TO SERVE THE SINK. REFER TO 1/P100 FOR CONTINUATION DOWN. PROVIDE AND INSTALL A PENINSULA VENT SYSTEM TO SERVE THE SINK. REFER TO DETAIL 3/P500 FOR ADDITIONAL PENINSULA VENT INSTALLATION REQUIREMENTS.
- 17 CONTINUE TO ROUTE 3" SAN UP IN THE WALL TO SERVE A LINE SIZE WALL CLEANOUT. SEE 1/P100 FOR CONTINUATION DOWN.
- 18 ROUTE 2" SAN DOWN IN WALL. SEE 1/P100 FOR CONTINUATION DOWN.
- 19 EXISTING STRUCTURAL COLUMN.

KEY PLAN



TRUE PROJECT

PLUMBING DOMESTIC WASTE AND VENT FIRST FLOOR - ABOVE SLAB PLAN



SHERIDAN HIGH SCHOOL - FACS RENOVATION



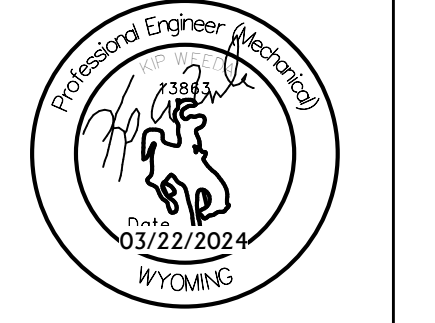
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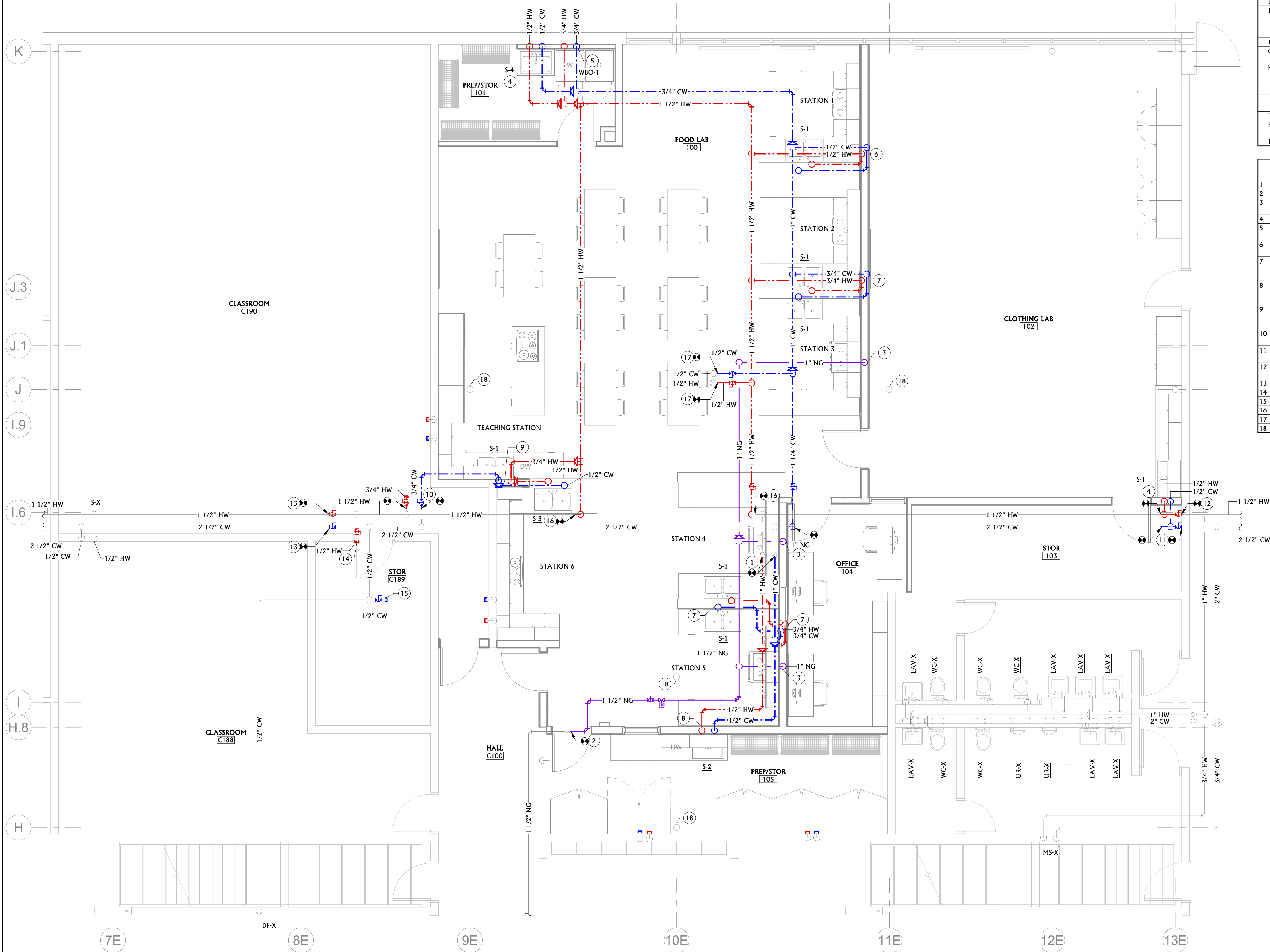


PLUMBING GENERAL DOMESTIC WATER NOTES

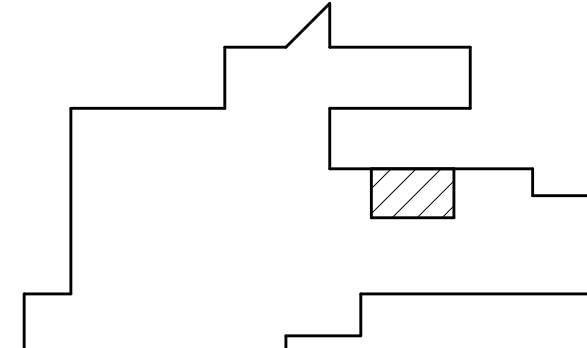
- CONTRACTOR SHALL CUT ALL FLOORS, WALLS, CEILINGS, AND ROOF AS REQUIRED TO PERFORM THE WORK DEPICTED IN THESE CONTRACT DOCUMENTS AND SPECIFICATIONS. CONTRACTOR SHALL PATCH ALL ASSOCIATED FLOORS, WALLS, CEILINGS, AND ROOF AS REQUIRED TO THE SATISFACTION OF THE ARCHITECT/ENGINEER.
- COORDINATE NEW PLUMBING EQUIPMENT AND PIPING WITH ALL OTHER TRADES AS REQUIRED. COORDINATE PLUMBING SYSTEMS WITH THE OWNER PROVIDED EQUIPMENT.
- REFERENCE ARCHITECTURAL PLANS FOR EXACT FIXTURE LOCATIONS.
- ALL VALVES LESS THAN 2" SHALL BE BALL VALVES UNLESS OTHERWISE NOTED.
- INSULATION ON ALL DOMESTIC COLD WATER PIPING SHALL BE PROVIDED WITH A CONTINUOUS VAPOR BARRIER. OVERSIZE HANGERS FOR INSULATION SO NO PENETRATION OF THE VAPOR BARRIER OCCURS. PROVIDE INSERTS AND SADDLES AS REQUIRED TO PREVENT INSULATION DAMAGE FROM SUPPORTS.
- NO DOMESTIC WATER PIPING SHALL BE ROUTED IN ANY EXTERIOR WALLS.
- PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL WATER HAMMER ARRESTERS ON ALL BRANCH LINES SERVING DISHWASHERS.
- DRAWINGS REPRESENT GENERAL ROUTING. NOT ALL EXISTING CONDITIONS ARE SHOWN. CONTRACTOR SHALL MAKE PIPING OFFSETS AND TRANSITIONS AS NEEDED. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SIZES AND LOCATIONS PRIOR TO BIDDING AND CONSTRUCTING.
- COORDINATE ALL PIPE PENETRATIONS WITH THE NEW AND EXISTING STRUCTURAL LAYOUTS.
- LOCATE VALVES OVER ACCESSIBLE LOCATIONS WHERE POSSIBLE.
- SPACE ABOVE CEILING BEING USED AS A RETURN AIR PLENUM. ALL MATERIALS TO BE RATED FOR PLENUM USE. MUST MEET 25/50 FLAME AND SMOKE SPREAD RATING.
- LOCATE ALL VALVES ABOVE ACCESSIBLE CEILING.

PLUMBING KEYNOTES

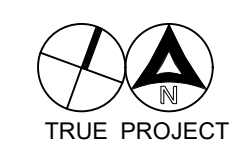
- ROUTE NEW 1" CW / HW TO EXISTING 1" CW / HW AT SHOWN P.O.C. SYMBOL.
- ROUTE NEW 1 1/2" NG PIPE TO EXISTING 1 1/2" NG PIPE AT SHOWN P.O.C. SYMBOL.
- ROUTE NEW 1" NG PIPE DOWN IN NEW WALL TO SERVE GAS RANGE. REFER TO DETAIL 6/P500 FOR ADDITIONAL GAS CONNECTION REQUIREMENTS.
- ROUTE NEW 1/2" CW / HW DOWN IN WALL TO SERVE NEW SINK.
- ROUTE NEW 3/4" CW / HW DOWN IN WALL TO SERVE NEW WBO REFER TO DETAIL 4/P500 FOR ADDITIONAL WBO REQUIREMENTS.
- ROUTE NEW 1/2" CW / HW DOWN IN WALL AND INTO THE NEW HALF HEIGHT WALL TO SERVE THE SINK. PIPE SHOWN ON DRAWING IS OFFSET FOR DRAFTING PURPOSES.
- ROUTE NEW 3/4" CW / HW DOWN IN WALL AND INTO THE NEW HALF HEIGHT WALL TO SERVE THE NEW BACK-TO-BACK SINKS. ROUTE 1/2" CW / HW PIPING TO SERVE EACH SINK. PIPE SHOWN ON DRAWING IS OFFSET FOR DRAFTING PURPOSES.
- ROUTE NEW 1/2" CW / HW DOWN IN WALL TO SERVE NEW SINK. ROUTE 1/2" HW LINE WITH HAMMER ARRESTOR TO SERVE NEW DISHWASHER. DISHWASHER PROVIDED BY OTHERS. REFER TO DETAIL 5/P500
- ROUTE NEW 3/4" CW / HW DOWN IN WALL TO SERVE NEW SINKS. ROUTE 1/2" CW / HW TO EACH SINK. ROUTE 1/2" HW LINE WITH HAMMER ARRESTOR TO SERVE NEW DISHWASHER. DISHWASHER PROVIDED BY OTHERS. REFER TO DETAIL 5/P500
- ROUTE NEW 3/4" CW / HW PIPING TO EXISTING MAINS AND ADD NEW ISOLATION VALVES TO THE CW / HW BRANCHES.
- ROUTE NEW 2 1/2" CW PIPING AT SHOWN P.O.C. SYMBOL. ADD NEW ISOLATION VALVE TO THE CW PIPE MAIN.
- ROUTE NEW 1 1/2" HW PIPING AT SHOWN P.O.C. SYMBOL. ADD NEW ISOLATION VALVE TO THE HW PIPE MAIN.
- ADD NEW ISOLATION VALVES TO EXISTING CW / HW PIPE MAINS.
- VALVE AND CAP EXISTING 1/2" HW PIPE.
- VALVE AND CAP EXISTING 1/2" CW PIPE.
- ROUTE NEW 1 1/2" HW PIPE TO EXISTING 1 1/2" HW AT SHOWN P.O.C. SYMBOL.
- ROUTE NEW 1/2" CW / HW PIPING TO SHOWN P.O.C. SYMBOL.
- EXISTING STRUCTURAL COLUMN.



KEY PLAN



1 P201 1/4" = 1'-0" PLUMBING DOMESTIC WATER FIRST FLOOR PLAN



REVISIONS

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PLUMBING DOMESTIC WATER FIRST FLOOR PLAN

P201

SHERIDAN HIGH SCHOOL - FACS RENOVATION

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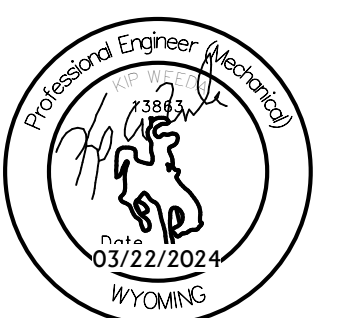
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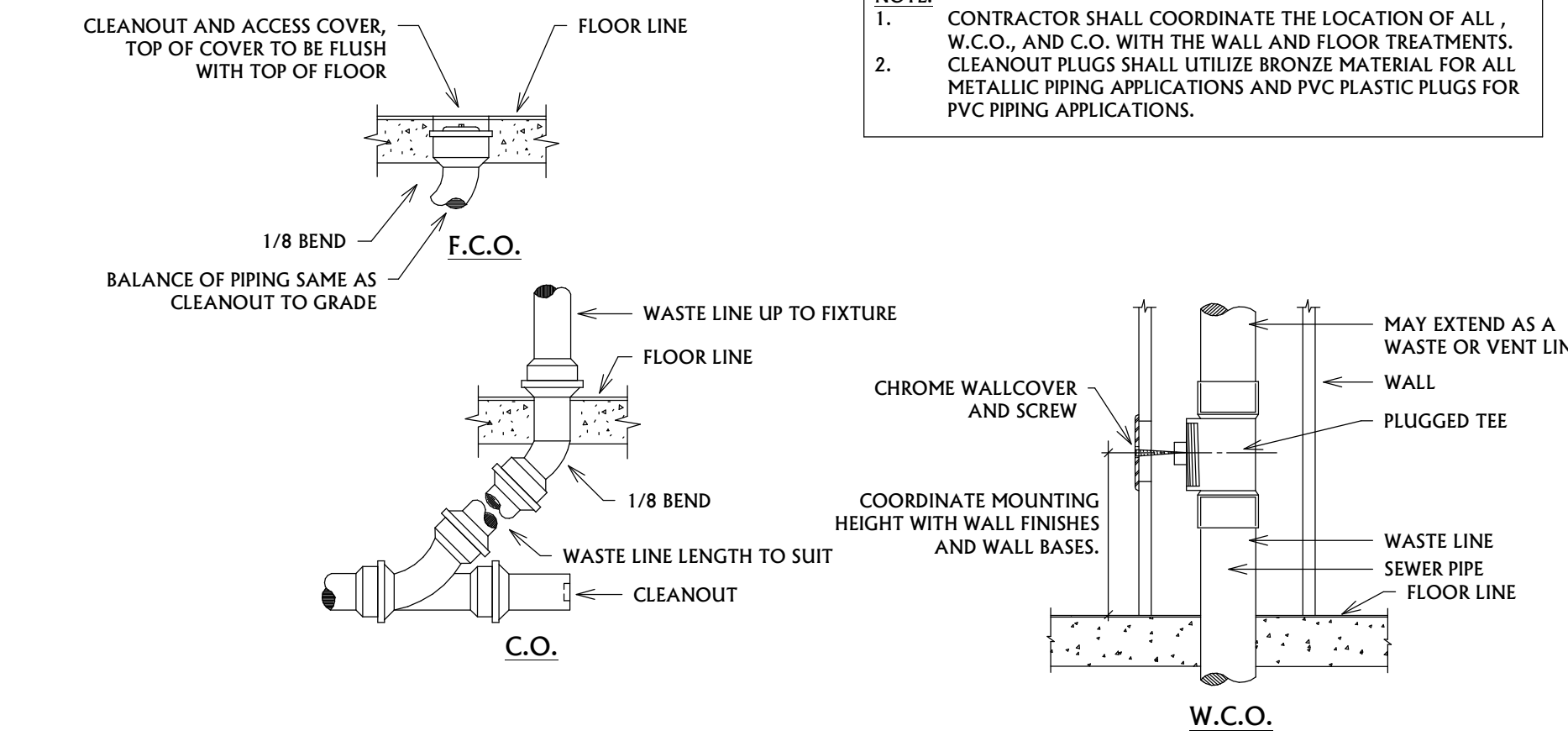
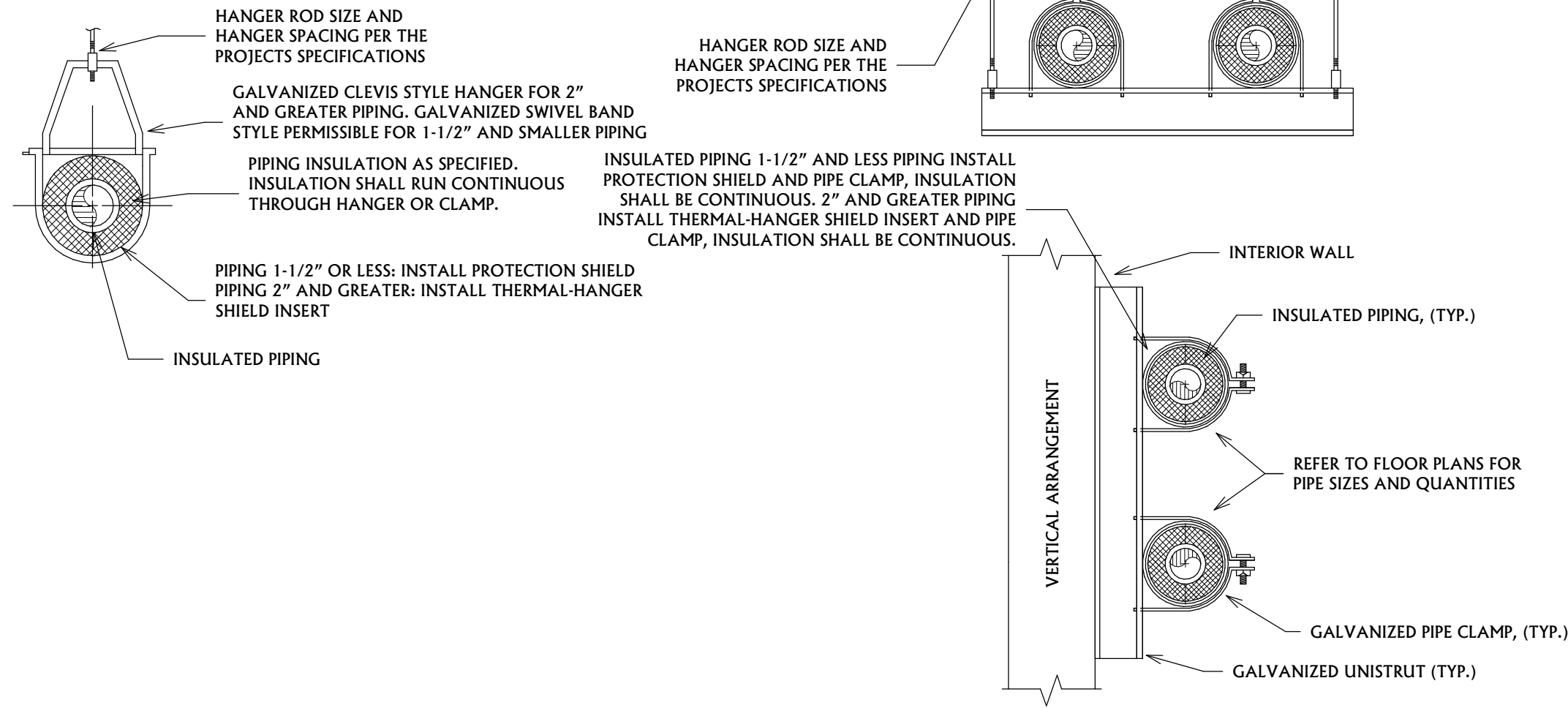
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PLUMBING DETAILS

P500

- NOTES:
1. FOR TRAPEZE SUPPORTED INSULATED PIPING: 1-1/2" AND LESS PIPING INSTALL PROTECTION SHIELD AND PIPE CLAMP, INSULATION SHALL BE CONTINUOUS. 2" AND GREATER PIPING INSTALL THERMAL-HANGER SHIELD INSERT AND PIPE CLAMP, INSULATION SHALL BE CONTINUOUS.
 2. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

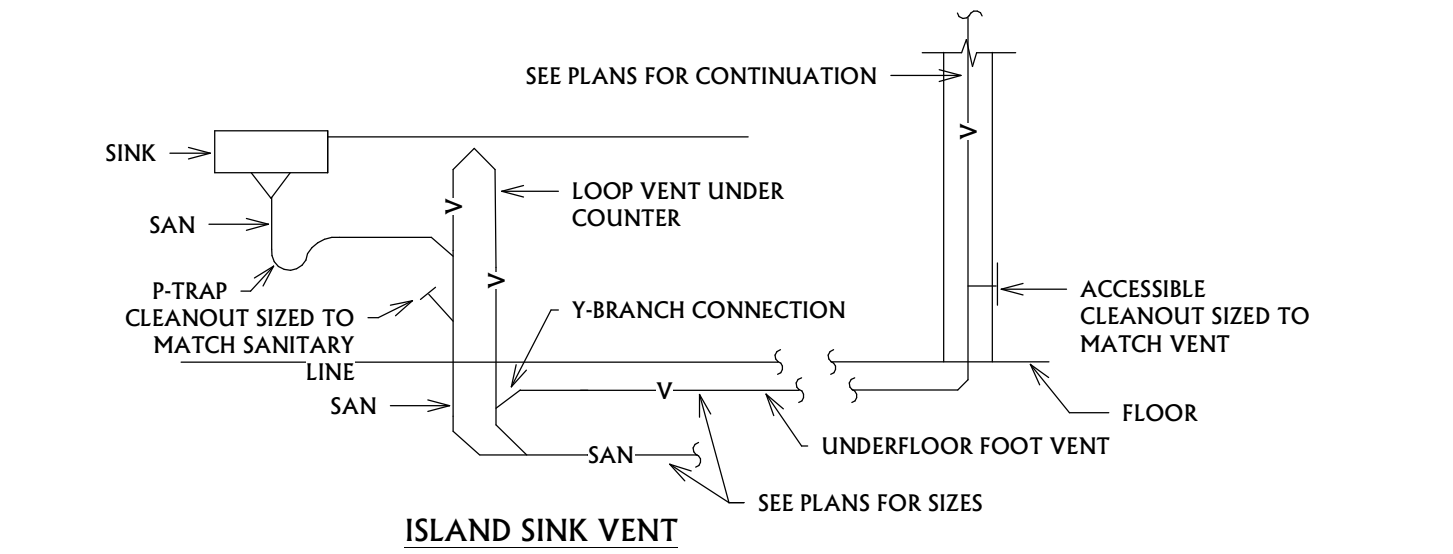
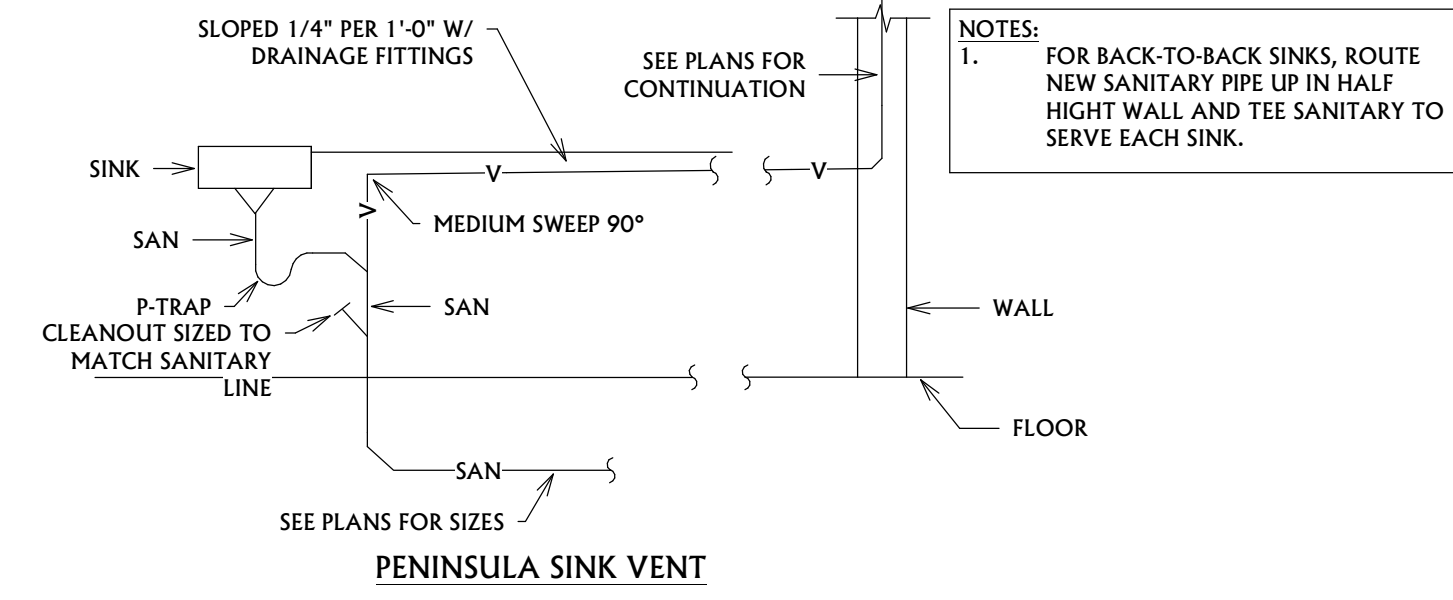


1 PIPE HANGER & PIPE SUPPORT DETAIL

NOT TO SCALE

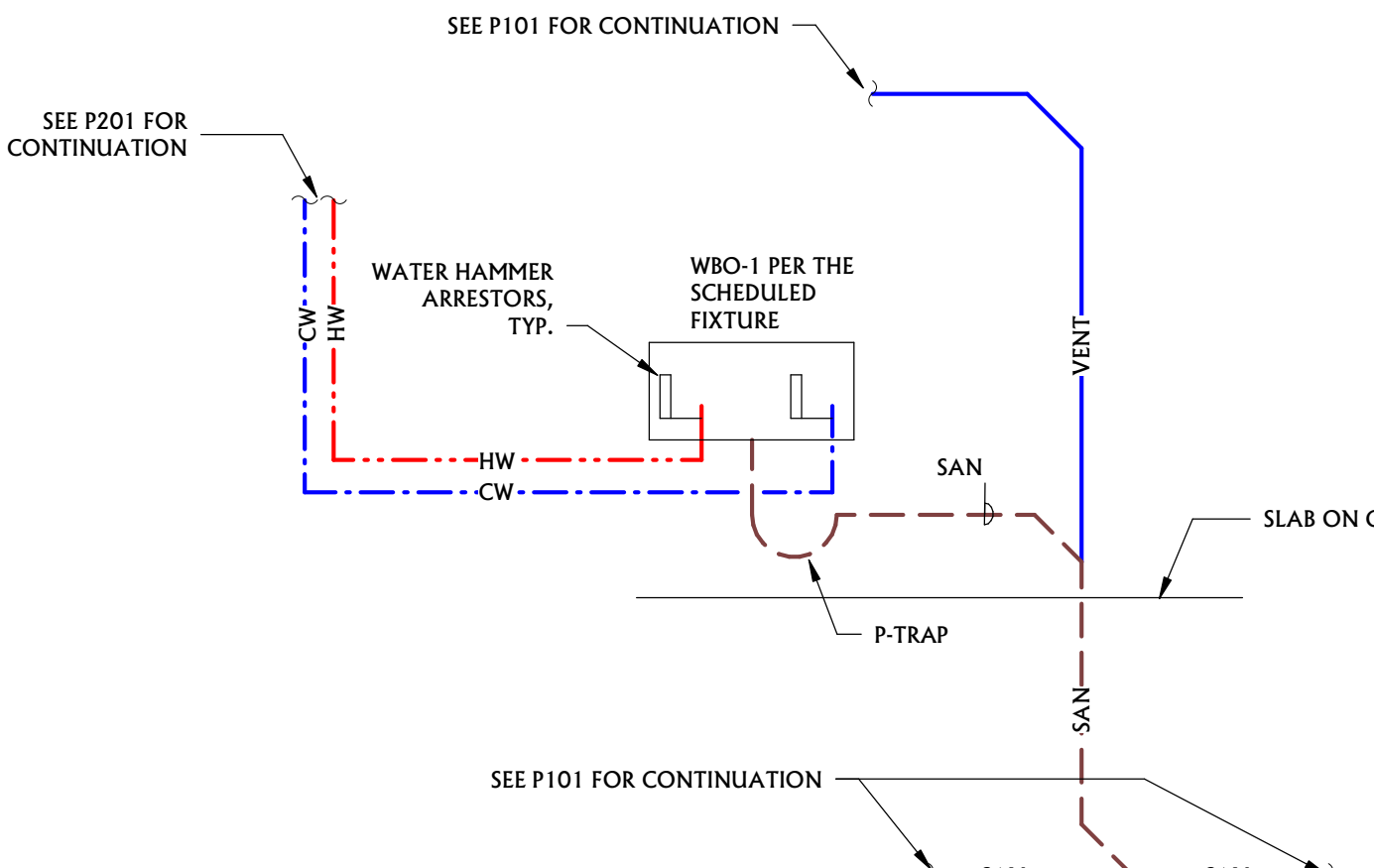
2 CLEAN OUT DETAILS

NOT TO SCALE



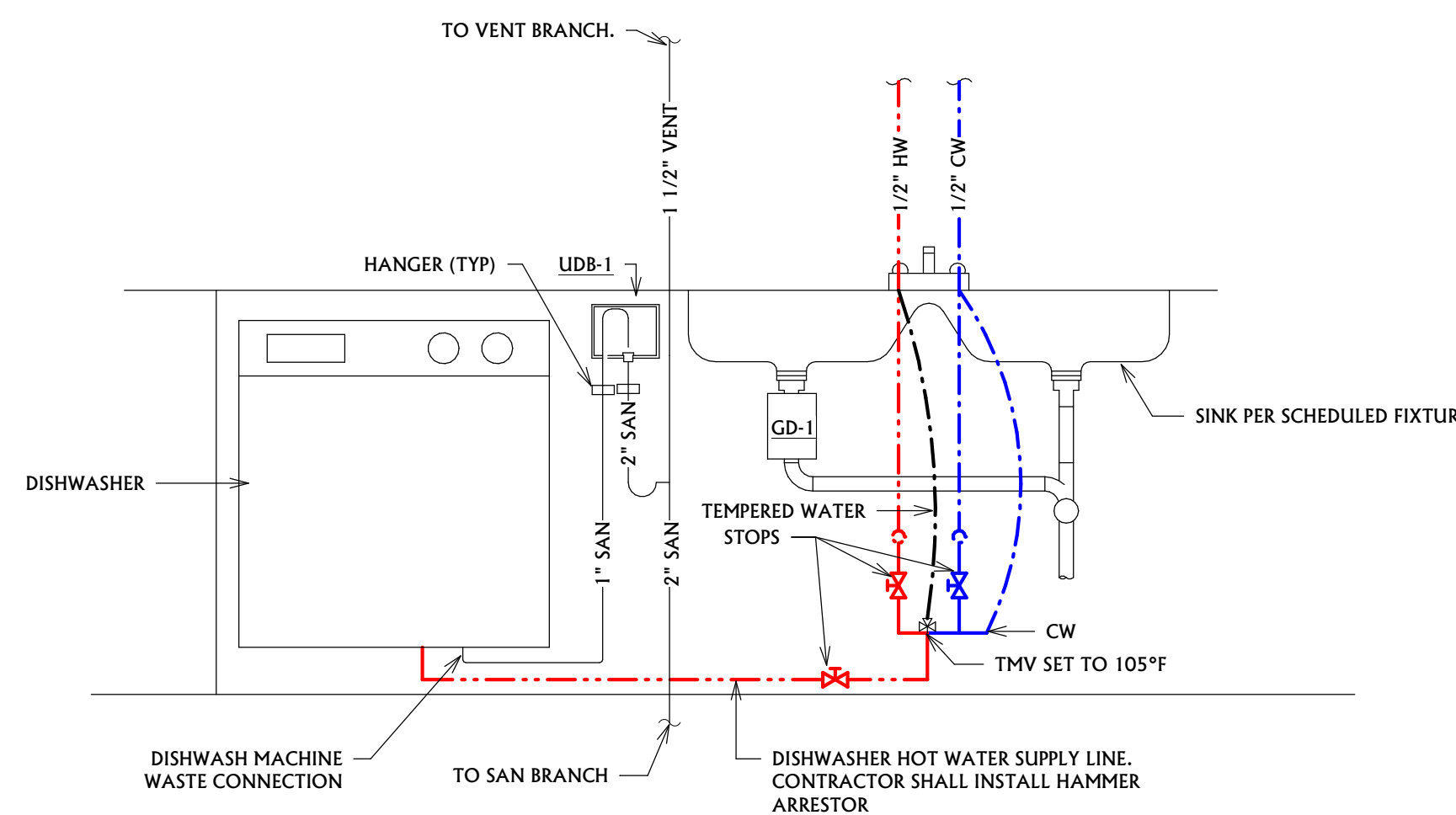
3 ISLAND / PENINSULA SINK VENT DETAIL

NOT TO SCALE



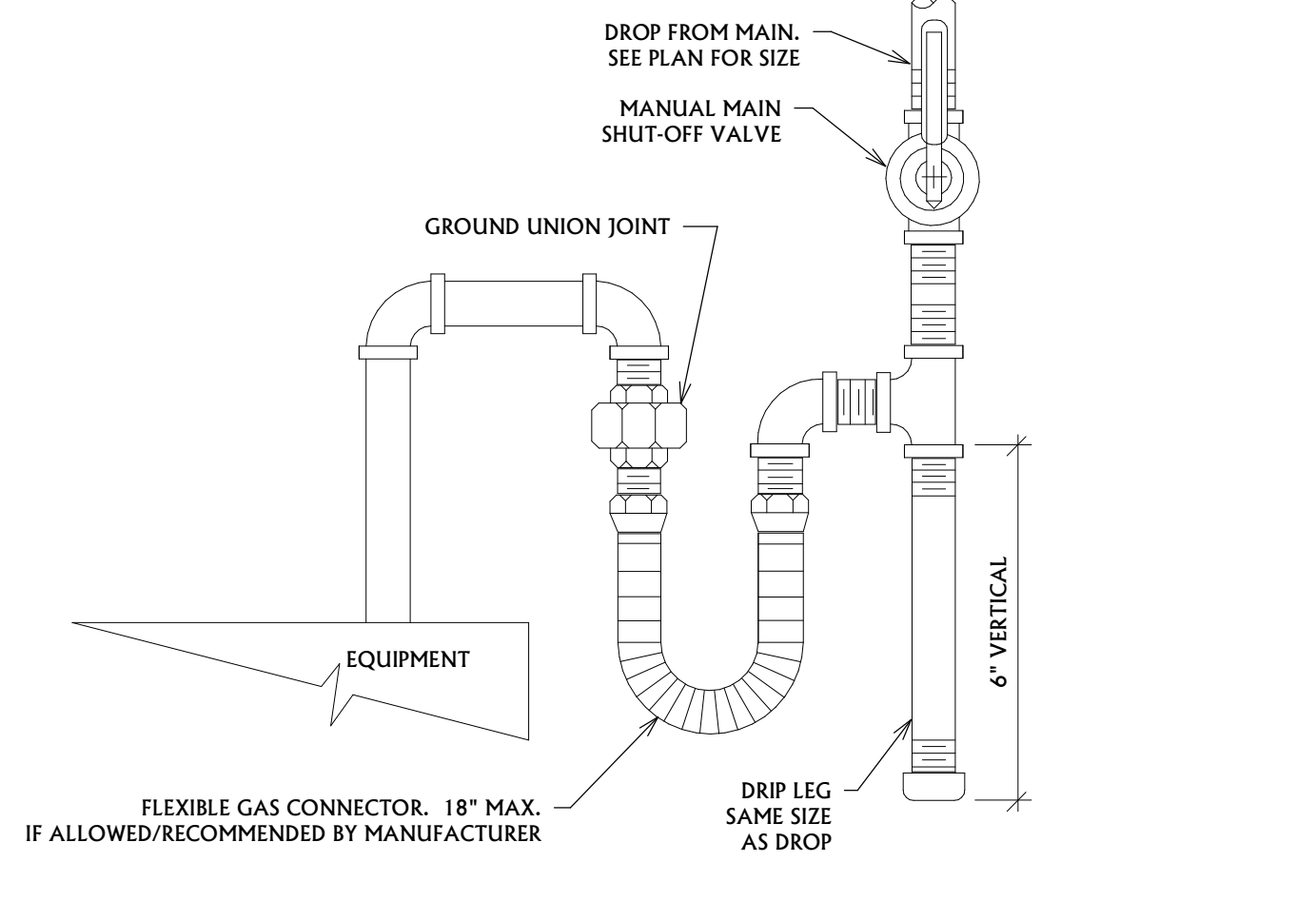
4 CLOTHES WASHER BOX OUTLET DETAIL

NOT TO SCALE



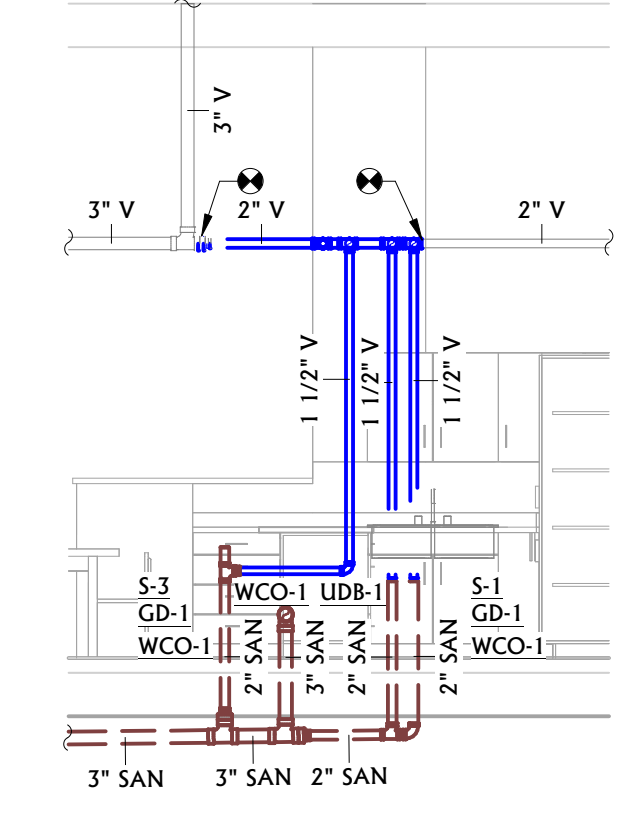
5 DISHWASHER CONNECTION DETAIL

NOT TO SCALE



6 GAS CONNECTION DETAIL

NOT TO SCALE



7 TEACHER STATION DWV

NOT TO SCALE

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ELECTRICAL LEGEND

LIGHTING DEVICES

Table of lighting fixtures including symbols and descriptions: LAY-IN OR RECESSED LIGHTING FIXTURE, SURFACE MOUNTED LIGHTING FIXTURE, DIRECT/ INDIRECT LIGHTING PENDANT MOUNTED FIXTURE, etc.

FIRE ALARM DEVICES

Table of fire alarm devices including symbols and descriptions: MANUAL PULL STATION, AUDIO/VISUAL SPEAKER/SOBOE DEVICE, VISUAL STROBE DEVICE, MAGNETIC DOOR HOLDER, etc.

COMMUNICATION DEVICES

Table of communication devices including symbols and descriptions: COMBINATION VOICE/ DATA DEVICE JACKS, VOICE DEVICE JACK, EXTRON CONTROL STATION, INTERCOM JACK, etc.

CLASSROOM SYSTEM DEVICES

Table of classroom system devices: CCTV - DOCUMENT CAMERA

LOW VOLTAGE NOTE

CONTRACTOR TO PROVIDE TWO CAT-6A TO VOICE/DATA JACKS AND ONE CAT-6A TO EACH CLOCK SPEAKER LOCATION. REFER TO DIVISION 27 SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

LUMINAIRE SCHEDULE

GENERAL REQUIREMENTS: 1. LUMINAIRE TYPES DEFINED WITH A MANUFACTURER'S SERIES FOLLOWED BY "OR EQUAL" DO NOT REQUIRE PRIOR APPROVAL FOR SUBSTITUTED PRODUCTS TO BID. HOWEVER, THIS DOES NOT ALLEVIATE THE SUBSTITUTED PRODUCT FROM MEETING OR EXCEEDING THE QUALITIES AND STANDARDS SET FORTH OF THE LISTED MANUFACTURER AND SERIES.

Luminaire Schedule Table with columns: MARK, MANUFACTURER (OR EQUAL), MOUNTING, ELECTRICAL, PERFORMANCE DATA (MIN DELIVERED LUMENS, MIN EFFICACY, DIMMING, COLOR, MIN CRI), NOTES.

POWER DEVICES

Table of power devices including symbols and descriptions: SINGLE POLE SWITCH, DUPLEX RECEPTACLE, SWITCHED DUPLEX RECEPTACLE, 208V SINGLE PHASE RECEPTACLE, etc.

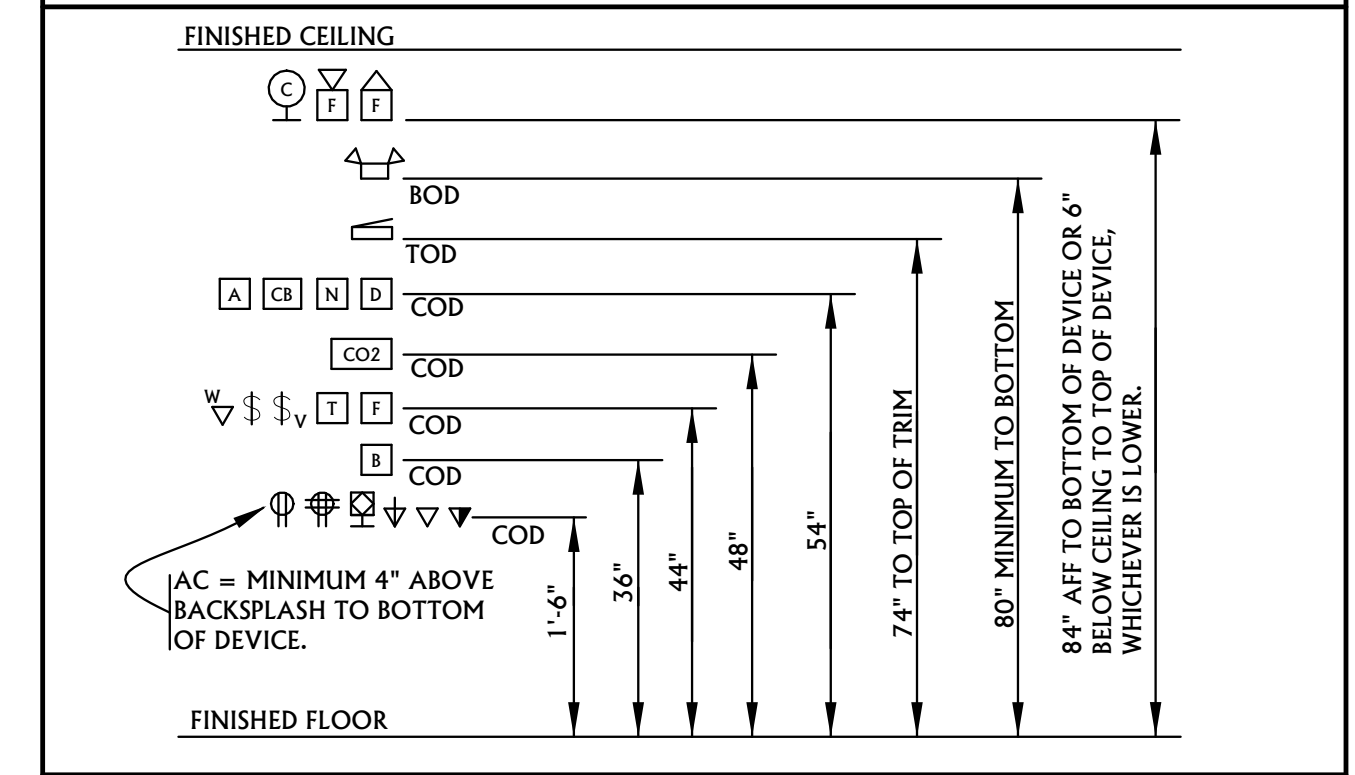
MISCELLANEOUS LEGEND

Table of miscellaneous symbols and descriptions: WITH ABOVE COUNTER ELECTRICAL CONTRACTOR, AFF AFG WM GC, ABOVE FINISHED FLOOR ABOVE FINISHED GRADE WIRE MOLD GENERAL CONTRACTOR, etc.

ELECTRICAL ABBREVIATIONS

Table of electrical abbreviations and their meanings: AMP(S), ACCLU, ACU, ADJ, ADMIN, AFF, AHU, AL, AMP, APRPL, APPROX, ATS, BLDG BRK, BTU/HR, etc.

INTERIOR MOUNTING HEIGHTS



ELECTRICAL SHEET LIST

Table listing electrical sheets: E001 ELECTRICAL COVER SHEET, E002 ELECTRICAL SCHEDULES, ED101 ELECTRICAL POWER AND SPECIAL SYSTEMS FIRST FLOOR DEMOLITION PLAN, etc.

WORK SHOWN ON ALL ELECTRICAL PLANS IS DESIGNED IN COMPLIANCE WITH THE REQUIREMENTS OF THE 2023 NEC (NFPA 70-2023).

SHERIDAN COUNTY SCHOOL DISTRICT #2



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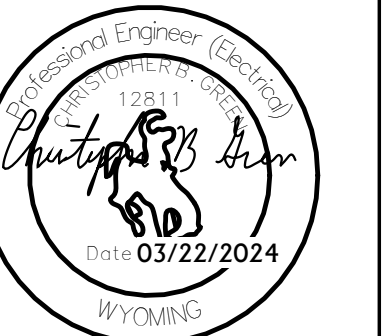
ARCHITECT



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19 SOUTH MAIN SHERIDAN, WY 82801 307-673-5300 monter@acemt.com



REVISIONS

Table with columns: NO., DESCRIPTION, DATE for revisions.

PROJECT NUMBER: 2023-70

DATE: 3-22-2024

ISSUE: 100% CDs

ELECTRICAL COVER SHEET

E001

Panel: EC-C112

Location: STOR 103 Volts: 208/120 Wye A.I.C. Rating: 22,000
Supply From: (E) MDP-EL Phases: 3 Mains Type: MLO
Mounting: Surface Wires: 4 Bus Rating: 225 A
Enclosure: Type 1

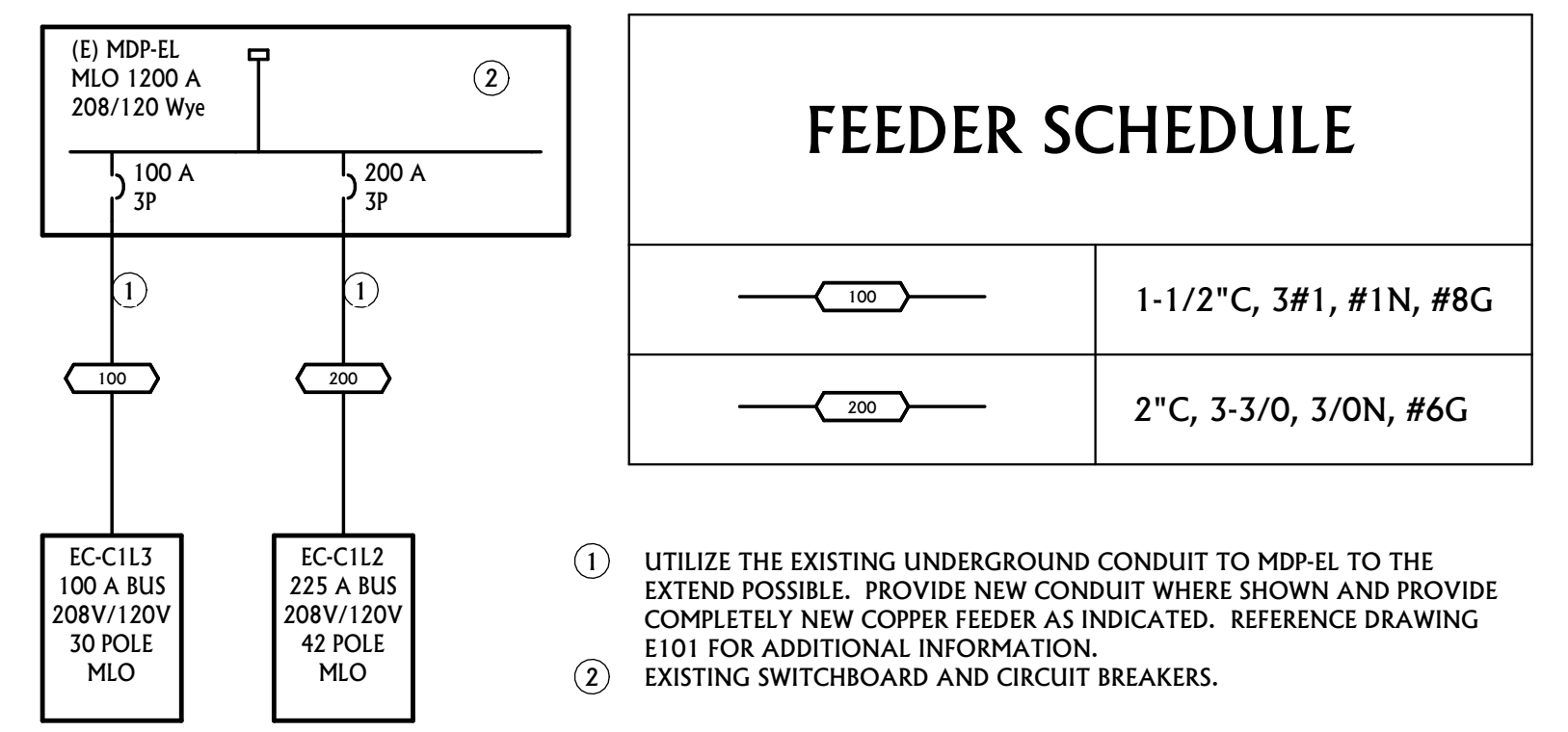
Notes:
BOTTOM CABLE ENTRY PROVIDE BOTTOM FED MAIN LUGS. ALL BRANCH CIRCUITS ARE 2#12,#12G THWN-2 CU, 3/4" MINIMUM UNLESS OTHERWISE NOTED.

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RANGE STATION 1 (NOTE1)	50 A	2	2500	1250					2	30 A	ELECTRIC DRYER (NOTE 1)	2
3						2500	1250						4
5	RANGE STATION 2 (NOTE1)	50 A	2	2500	540			2500	1500	1	20 A	WASHING MACHINE RECPT (NOTE1)	6
7													8
9	COOKTOP INSTRUCTOR ISLAND (NOTE1)	50 A	2			2500	1656			1	20 A	EXHAUST FAN M-6K ON ROOF	10
11								2500	1000	1	20 A	FOOD LAB 100 MICROWAVE	12
13	WALL OVEN INSTRUCTOR STA (NOTE1)	50 A	2	2500	1000					1	20 A	FOOD LAB 100 MICROWAVE	14
15						2500	1000			1	20 A	FOOD LAB 100 MICROWAVE	16
17	WALL OVEN STATION 6 (NOTE1)	50 A	2	2500	1000			2500	1000	1	20 A	FOOD LAB 100 MICROWAVE	18
19										1	20 A	FOOD LAB 100 MICROWAVE	20
21	COOKTOP STATION 6 (NOTE1)	50 A	2			2500	1000			1	20 A	FOOD LAB 100 MICROWAVE	22
23								2500	1000	1	20 A	FOOD LAB 100 MICROWAVE	24
25	DISHWASHER 1 (NOTE 1)	20 A	1	1920	180					1	20 A	FREEZER PREP/STOR 105 (NOTE1)	26
27	RECEPTACLE PREP/STOR 105	20 A	1			540	1572			1	20 A	FREEZER PREP/STOR 105 (NOTE1)	28
29	DISHWASHER 2 (NOTE 1)	20 A	1					1920	360	1	20 A	REFRIG PREP/STOR 105 (NOTE1)	30
31	GAS VALVE AND VAV PWR FOOD LAB 100	20 A	1	50	864					1	20 A	REFRIG PREP/STOR 105 (NOTE1)	32
33	SPARE	20 A	1			0	864			1	20 A	REFRIG PREP/STOR 105 (NOTE1)	34
35	SPARE	20 A	1					0	864	1	20 A	REFRIG PREP/STOR 105 (NOTE1)	36
37	SPARE	20 A	1	0	0					1	20 A	SPARE	38
39	SPARE	20 A	1			0	0			1	20 A	SPARE	40
41	SPARE	20 A	1					0	0	1	20 A	SPARE	42
				Total Load:		16804 VA		17882 VA		17644 VA			
				Total Amps:		140 A		150 A		148 A			

NOTES:
1. PROVIDE BREAKER WITH INTEGRAL GFCI

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Motor	1656 VA	125.00%	2070 VA	Total Conn. Load: 52330 VA Total Est. Demand: 34352 VA Total Conn.: 145 A Total Est. Demand: 95 A
RECEPTACLE	46784 VA	60.69%	28392 VA	
Power	3890 VA	100.00%	3890 VA	

Notes:
GENERAL REQUIREMENTS: PROVIDE NFPA 70-2023 ART 110.21(B) COMPLIANT HAZARD MARKINGS (ARC FLASH AND SHOCK HAZARD) IN ACCORDANCE WITH AHJ REQUIREMENTS. THE HAZARD MARKINGS MAY BE EITHER FIELD OR FACTORY APPLIED. PROVIDE FIELD MARKINGS, PHENOLIC LABEL WHITE TEXT ON BLACK BACKGROUND, OF AVAILABLE SHORT CIRCUIT CURRENT IN COMPLIANCE WITH NFPA 70-2023 ART 110.24 IN ACCORDANCE WITH AHJ REQUIREMENTS. PROVIDE PHENOLIC LABEL (WHITE TEXT ON BLACK BACKGROUND) WITH PANELBOARD NAME AND ELECTRICAL CHARACTERISTICS (208Y/120V, 225A, 3PH4W) ON FRONT OF PANELBOARD.



Panel: EC-C113

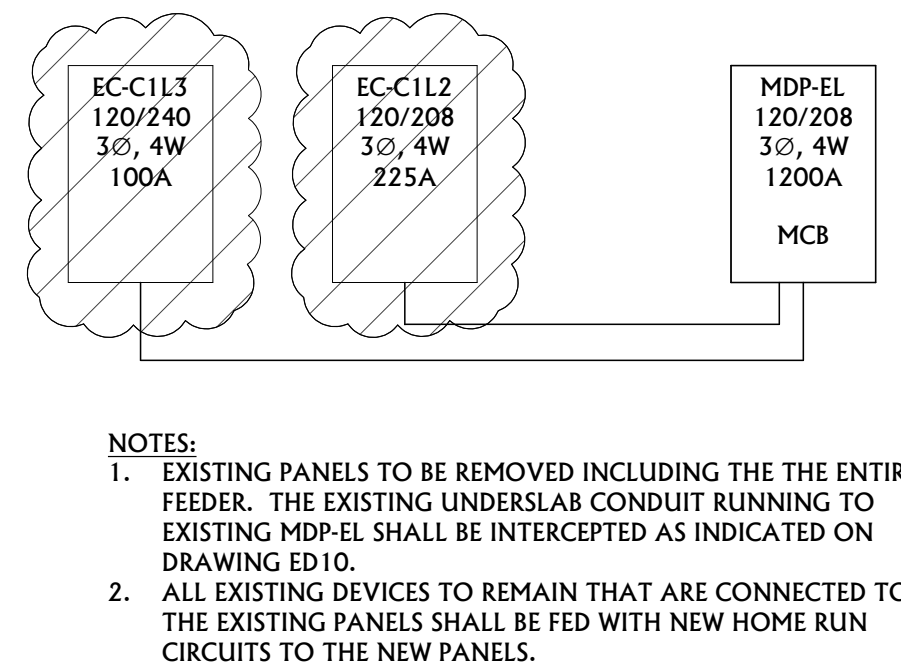
Location: STOR 103 Volts: 208/120 Wye A.I.C. Rating: 22,000
Supply From: (E) MDP-EL Phases: 3 Mains Type: MLO
Mounting: Surface Wires: 4 Bus Rating: 100 A
Enclosure: Type 1

Notes:
BOTTOM CABLE ENTRY PROVIDE BOTTOM FED MAIN LUGS. ALL BRANCH CIRCUITS ARE 2#12,#12G THWN-2 CU, 3/4" MINIMUM UNLESS OTHERWISE NOTED.

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	CEILING RACK CLOTHING LAB 102	20 A	1	360	540					1	20 A	RECEPTACLE FOOD LAB 100	2
3	CEILING RACK FOOD LAB 100	20 A	1			360	720			1	20 A	RECEPTACLE FOOD LAB 100	4
5	RECEPTACLE FOOD LAB 100	20 A	1					540	720	1	20 A	RECEPTACLE FOOD LAB 100	6
7	RECEPTACLE FOOD LAB 100	20 A	1	720	540					1	20 A	RECEPTACLE FOOD LAB 100	8
9	RECEPTACLE FOOD LAB 100	20 A	1			540	1260			1	20 A	RECEPTACLE FOOD LAB 100	10
11	RECEPTACLE FOOD LAB 100	20 A	1					540	540	1	20 A	RECEPTACLE FOOD LAB 100	12
13	RECEPTACLE FOOD LAB 100	20 A	1	720	720					1	20 A	RECEPTACLE FOOD LAB 100	14
15	RECEPTACLE Room 100, 101	20 A	1			900	180			1	20 A	RECEPTACLE FOOD LAB 100	16
17	RECEPTACLE OFFICE 104	20 A	1					1080	720	1	20 A	RECEPTACLE Room 102, 103	18
19	RECEPTACLE CLOTHING LAB 102	20 A	1	540	360					1	20 A	RECEPTACLE CLOTHING LAB 102	20
21	RECEPTACLE CLOTHING LAB 102	20 A	1			720	540			1	20 A	RECEPTACLE CLOTHING LAB 102	22
23	SPARE	20 A	1					0	0	1	20 A	SPARE	24
25	SPARE	20 A	1	0	0					1	20 A	SPARE	26
27	SPARE	20 A	1			0	0			1	20 A	SPARE	28
29	SPARE	20 A	1					0	0	1	20 A	SPARE	30
				Total Load:		4500 VA		5220 VA		4140 VA			
				Total Amps:		38 A		44 A		35 A			

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
RECEPTACLE	13140 VA	88.05%	11570 VA	Total Conn. Load: 13860 VA Total Est. Demand: 12290 VA Total Conn.: 38 A Total Est. Demand: 34 A
Power	720 VA	100.00%	720 VA	

Notes:
GENERAL REQUIREMENTS: PROVIDE NFPA 70-2023 ART 110.21(B) COMPLIANT HAZARD MARKINGS (ARC FLASH AND SHOCK HAZARD) IN ACCORDANCE WITH AHJ REQUIREMENTS. THE HAZARD MARKINGS MAY BE EITHER FIELD OR FACTORY APPLIED. PROVIDE FIELD MARKINGS, PHENOLIC LABEL WHITE TEXT ON BLACK BACKGROUND, OF AVAILABLE SHORT CIRCUIT CURRENT IN COMPLIANCE WITH NFPA 70-2023 ART 110.24 IN ACCORDANCE WITH AHJ REQUIREMENTS. PROVIDE PHENOLIC LABEL (WHITE TEXT ON BLACK BACKGROUND) WITH PANELBOARD NAME AND ELECTRICAL CHARACTERISTICS (208Y/120V, 100A, 3PH4W) ON FRONT OF PANELBOARD.



SHERIDAN HIGH SCHOOL - FACS RENOVATION

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REVISIONS		
NO.	DESCRIPTION	DATE

PROJECT NUMBER: 2023-70

DATE: 3-22-2024

ISSUE: 100% Cds

ELECTRICAL SCHEDULES

E002

SHERIDAN HIGH SCHOOL - FACS RENOVATION

SHERIDAN COUNTY SCHOOL DISTRICT #2



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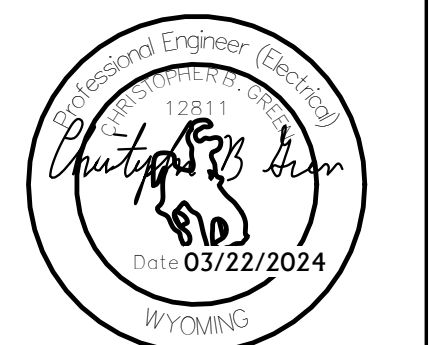
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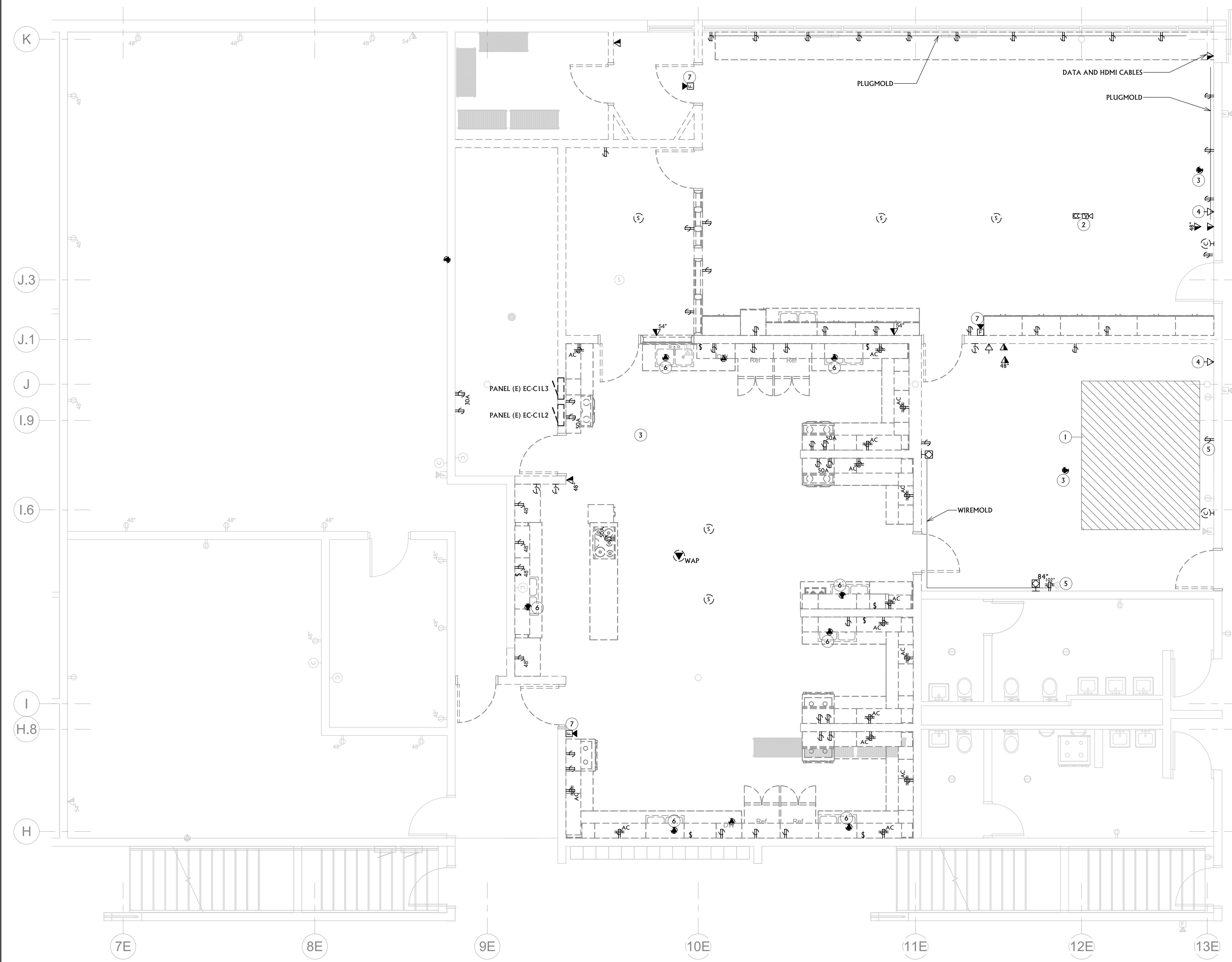


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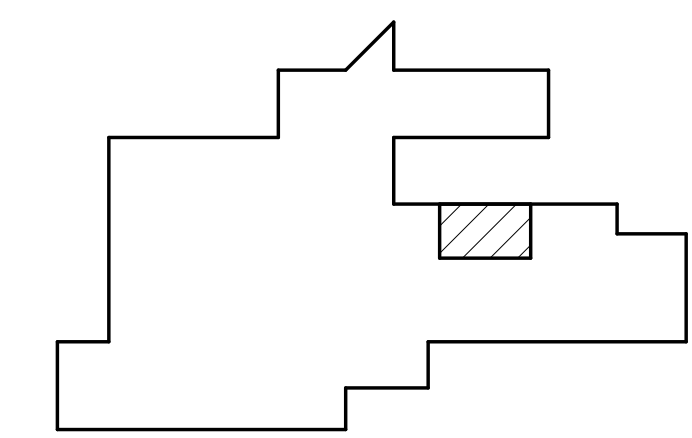


ELECTRICAL GENERAL DEMOLITION NOTES	
A	ELECTRICAL CONTRACTOR SHALL REMOVE ALL ELECTRICAL DEVICES IN AREAS OF THIS FACILITY AFFECTED BY REMODEL WORK INCLUDING BUT NOT LIMITED TO: JUNCTION BOXES, OUTLETS, LIGHTS, CABLE, CONDUIT AND WIRE. ALL DEVICES MAY NOT BE SHOWN ON THIS SHEET AND SITE INVESTIGATION IS REQUIRED FOR EXACT QUANTITIES. CONFIRM DEMOLITION SCOPE WITH GENERAL CONTRACTOR AT PRE-BID WALK AND RECYCLE WHERE FEASIBLE. DISPOSE OF ALL FLUORESCENT LAMPS AND BALLASTS IN A LEGAL AND ENVIRONMENTALLY FRIENDLY MANNER. PROVIDE PROPER DISPOSAL DOCUMENTATION STATING ITEMS DISPOSED OF AND QUANTITY TO OWNER FOR RETENTION.
B	EXISTING CONDUITS STUBBED THROUGH THE FLOOR THAT ARE NOT REUSED OR ARE ABANDONED SHALL BE CUT AT THE FLOOR SURFACE, GROUND FLUSH AND FILLED WITH GROUT. FLOOR FINISH SHALL MATCH THAT OF EXISTING.
C	DEVICES SHOWN ARE BASED ON EXISTING PLANS AND LIMITED VISUAL FIELD OBSERVATIONS AND ARE ONLY INTENDED TO CONVEY SCOPE. DEMO OR MODIFY ALL EXISTING ELECTRICAL INSTALLATIONS AS REQUIRED TO SUPPORT PROJECT. FIELD VERIFY ALL CONDITIONS PRIOR TO BIDDING.
D	ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH NEC, STATE AND LOCAL BUILDING CODE.
E	RETURN ANY USABLE/SALVAGEABLE ELECTRICAL DEVICES TO OWNER INCLUDING BUT NOT LIMITED TO: LIGHT FIXTURES, ELECTRICAL HEATERS, PANELS, CIRCUIT BREAKERS ETC. CONFIRM WITH OWNER ITEMS THAT ARE DESIRABLE FOR RETENTION.
F	ALL DASHED ITEMS ON DEMOLITION PLANS ARE TO BE REMOVED UNLESS NOTED OTHERWISE. SOLID ITEMS ARE TO REMAIN OR TO BE RELOCATED AS NOTED. NOTE - ITEMS SHOWN IN THE DEMOLITION PLANS ARE BASED ON "EXISTING DRAWINGS". ADDITIONAL ELECTRICAL ITEMS MAY BE ENCOUNTERED THAT ARE NOT SHOWN - ALL GENERAL ELECTRICAL ITEMS IN THE AREA OF REMODEL ARE TO BE REMOVED THAT ARE AFFECTED BY REMODEL. VERIFY ALL EXISTING CONDITIONS PRIOR TO BIDDING.
G	ANY WORK THAT REQUIRES POWER DISRUPTIONS SHALL BE SCHEDULED AND APPROVED BY THE OWNER. ALL WORK SHALL BE PERFORMED WITH NO DISRUPTION OF THE OWNER'S BUSINESS.
H	DISCONNECT AND REMOVE ALL ELECTRICAL FROM MECHANICAL EQUIPMENT SHOWN TO BE DEMOLISHED. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
I	SOME DEVICES AND SYSTEMS THAT ARE NOT REMOVED MAY BE AFFECTED BY DEMOLITION AND CONSTRUCTION. PROVIDE ALL LABOR AND MATERIALS REQUIRED TO MAINTAIN OR RESTORE CONTINUITY AND FUNCTION OF ALL EXISTING DEVICES AND SYSTEMS THAT ARE NOT REMOVED BUT ARE AFFECTED BY DEMO OR CONSTRUCTION WORK.
J	REMOVE ALL ABANDONED WIRE, RACEWAY AND CABLING IN THE PROJECT AREA.
K	PROVIDE UPDATED, TYPEWRITTEN DIRECTORIES FOR ALL EXISTING PANELS AFFECTED BY DEMOLITION WORK. LABEL ALL CIRCUIT BREAKERS THAT HAVE THEIR ENTIRE LOAD REMOVED AS 'SPARE'.
L	MAINTAIN OR RESTORE FUNCTIONALITY TO ALL SYSTEMS THAT ARE AFFECTED BY PROJECT PHASING. CONTRACTOR SHALL PROVIDE ALL WORK TO MAINTAIN, CONNECT, RECONNECT, MODIFY OR RESTORE THE FUNCTION OF ALL SYSTEMS THAT ARE AFFECTED IN ANY WAY BY PROJECT PHASING. PROVIDE ALL WORK FOR TEMPORARY CONNECTIONS OR SYSTEM MODIFICATIONS REQUIRED TO ACCOMMODATE PROJECT PHASING. REFER TO ARCHITECTURAL FOR PHASING INFORMATION.
M	ALL PANELS TO REMAIN IN SERVICE UNTIL NEW SERVICE AND DISTRIBUTION SYSTEM IS COMPLETE. CONNECT ALL LOADS REMAINING AFTER DEMO IS COMPLETE TO NEW PANELS. MODIFY AND EXTEND WIRING AS REQUIRED.

ELECTRICAL KEYNOTES	
1	APPROXIMATE EXTEND OF THE EXCAVATION AREA REQUIRED TO ACCESS THE EXISTING UNDERLASH CONDUITS RUNNING TO THE EXISTING PANEL EC-C112 AND EC-C113. ELECTRICAL CONTRACTOR SHALL PROVIDE LIDAR SCANNING TO LOCATE THE EXISTING UNDERGROUND FEEDERS PRIOR TO EXCAVATION. THE CONCRETE EXCAVATION AND REMOVAL IS BY THE GC. REFERENCE THE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION. REFERENCE DRAWING E101 FOR NEW FEEDER ROUTING.
2	DOCUMENT CAMERA.
3	OVERHEAD PROJECTOR AND ASSOCIATED EQUIPMENT.
4	EXTRON CONTROLLER AND WIRING.
5	REMOVE EXISTING DEVICE FOR REPLACEMENT. REFERENCE DRAWINGS E101 FOR ADDITIONAL INFORMATION.
6	DISPOSER.
7	REMOVE EXISTING DEVICE AND SALVAGE FOR RELOCATION. REFERENCE DRAWINGS E101 FOR NEW LOCATION.



KEY PLAN



POWER AND SPECIAL SYSTEMS FIRST FLOOR DEMOLITION PLAN
ED101
1/4" = 1'-0"

REVISIONS		
NO.	DESCRIPTION	DATE

PROJECT NUMBER:
2023-70

DATE:
3-22-2024

ISSUE:
100% CDs

ELECTRICAL POWER AND SPECIAL SYSTEMS FIRST FLOOR DEMOLITION PLAN

ED101

SHERIDAN HIGH SCHOOL - FACS RENOVATION

SHERIDAN COUNTY SCHOOL DISTRICT #2



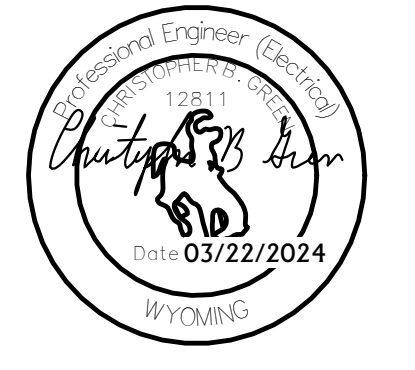
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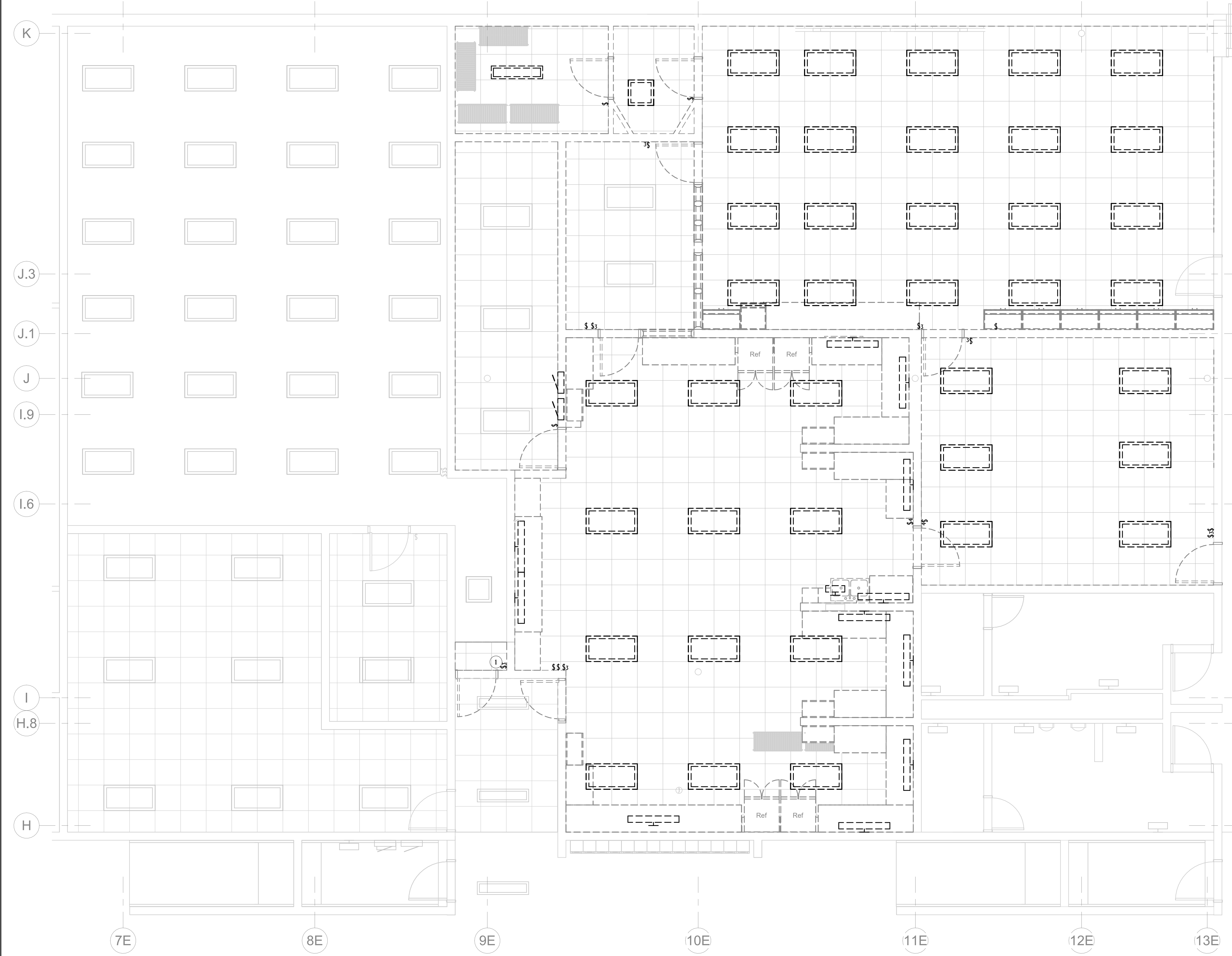
ISSUE:
100% CDs

ELECTRICAL LIGHTING
FIRST FLOOR
DEMOLITION PLAN

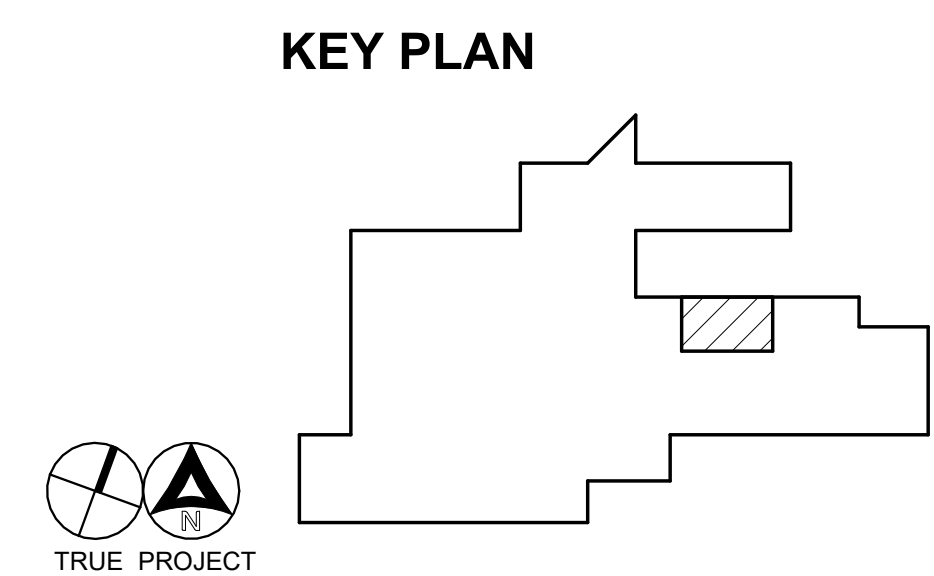
ED102

- ELECTRICAL GENERAL DEMOLITION NOTES**
- A ELECTRICAL CONTRACTOR SHALL REMOVE ALL ELECTRICAL DEVICES IN AREAS OF THIS FACILITY AFFECTED BY REMODEL WORK INCLUDING BUT NOT LIMITED TO: JUNCTION BOXES, OUTLETS, LIGHTS, CABLE, CONDUIT AND WIRE. ALL DEVICES MAY NOT BE SHOWN ON THIS SHEET AND SITE INVESTIGATION IS REQUIRED FOR EXACT QUANTITIES. CONFIRM DEMOLITION SCOPE WITH GENERAL CONTRACTOR AT PRE-BID WALK AND RECYCLE WHERE FEASIBLE. DISPOSE OF ALL FLUORESCENT LAMPS AND BALLASTS IN A LEGAL AND ENVIRONMENTALLY FRIENDLY MANNER. PROVIDE PROPER DISPOSAL DOCUMENTATION STATING ITEMS DISPOSED OF AND QUANTITY TO OWNER FOR RETENTION.
 - B EXISTING CONDUITS STUBBED THROUGH THE FLOOR THAT ARE NOT REUSED OR ARE ABANDONED SHALL BE CUT AT THE FLOOR SURFACE, GROUND FLUSH AND FILLED WITH GROUT. FLOOR FINISH SHALL MATCH THAT OF EXISTING.
 - C DEVICES SHOWN ARE BASED ON EXISTING PLANS AND LIMITED VISUAL FIELD OBSERVATIONS AND ARE ONLY INTENDED TO CONVEY SCOPE. DEMO OR MODIFY ALL EXISTING ELECTRICAL INSTALLATIONS AS REQUIRED TO SUPPORT PROJECT. FIELD VERIFY ALL CONDITIONS PRIOR TO BIDDING.
 - D ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH NEC, STATE AND LOCAL BUILDING CODE.
 - E RETURN ANY USABLE/SALVAGEABLE ELECTRICAL DEVICES TO OWNER INCLUDING BUT NOT LIMITED TO: LIGHT FIXTURES, ELECTRICAL HEATERS, PANELS, CIRCUIT BREAKERS ETC. CONFIRM WITH OWNER ITEMS THAT ARE DESIRABLE FOR RETENTION.
 - F ALL DASHED ITEMS ON DEMOLITION PLANS ARE TO BE REMOVED UNLESS NOTED OTHERWISE. SOLID ITEMS ARE TO REMAIN OR TO BE RELOCATED AS NOTED. NOTE - ITEMS SHOWN IN THE DEMOLITION PLANS ARE BASED ON "EXISTING DRAWINGS". ADDITIONAL ELECTRICAL ITEMS MAY BE ENCOUNTERED THAT ARE NOT SHOWN - ALL GENERAL ELECTRICAL ITEMS IN THE AREA OF REMODEL ARE TO BE REMOVED THAT ARE AFFECTED BY REMODEL. VERIFY ALL EXISTING CONDITIONS PRIOR TO BIDDING.
 - G ANY WORK THAT REQUIRES POWER DISRUPTIONS SHALL BE SCHEDULED AND APPROVED BY THE OWNER. ALL WORK SHALL BE PERFORMED WITH NO DISRUPTION OF THE OWNER'S BUSINESS.
 - H DISCONNECT AND REMOVE ALL ELECTRICAL FROM MECHANICAL EQUIPMENT SHOWN TO BE DEMOLISHED. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
 - I SOME DEVICES AND SYSTEMS THAT ARE NOT REMOVED MAY BE AFFECTED BY DEMOLITION AND CONSTRUCTION. PROVIDE ALL LABOR AND MATERIALS REQUIRED TO MAINTAIN OR RESTORE CONTINUITY AND FUNCTION OF ALL EXISTING DEVICES AND SYSTEMS THAT ARE NOT REMOVED BUT ARE AFFECTED BY DEMO OR CONSTRUCTION WORK.
 - J REMOVE ALL ABANDONED WIRE, RACEWAY AND CABLING IN THE PROJECT AREA.
 - K PROVIDE UPDATED, TYPEWRITTEN DIRECTORIES FOR ALL EXISTING PANELS AFFECTED BY DEMOLITION WORK. LABEL ALL CIRCUIT BREAKERS THAT HAVE THEIR ENTIRE LOAD REMOVED AS 'SPARE'.
 - L MAINTAIN OR RESTORE FUNCTIONALITY TO ALL SYSTEMS THAT ARE AFFECTED BY PROJECT PHASING. CONTRACTOR SHALL PROVIDE ALL WORK TO MAINTAIN, CONNECT, RECONNECT, MODIFY OR RESTORE THE FUNCTION OF ALL SYSTEMS THAT ARE AFFECTED IN ANY WAY BY PROJECT PHASING. PROVIDE ALL WORK FOR TEMPORARY CONNECTIONS OR SYSTEM MODIFICATIONS REQUIRED TO ACCOMMODATE PROJECT PHASING. REFER TO ARCHITECTURAL FOR PHASING INFORMATION.
 - M ALL PANELS TO REMAIN IN SERVICE UNTIL NEW SERVICE AND DISTRIBUTION SYSTEM IS COMPLETE. CONNECT ALL LOADS REMAINING AFTER DEMO IS COMPLETE TO NEW PANELS. MODIFY AND EXTEND WIRING AS REQUIRED.

- ELECTRICAL KEYNOTES**
- 1 REMOVE EXISTING LIGHT SWITCH AND SALVAGE FOR RELOCATION. REFERENCE DRAWING E201 FOR NEW LOCATION.



LIGHTING FIRST FLOOR DEMOLITION PLAN
1 ED102
1/4" = 1'-0"



3/22/2024 11:57:44 AM

NO.	DESCRIPTION	DATE
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PROJECT NUMBER:
2023-70

DATE:
3-22-2024

ISSUE:
100% CDs

ELECTRICAL POWER AND SPECIAL SYSTEMS PLAN FIRST FLOOR PLAN

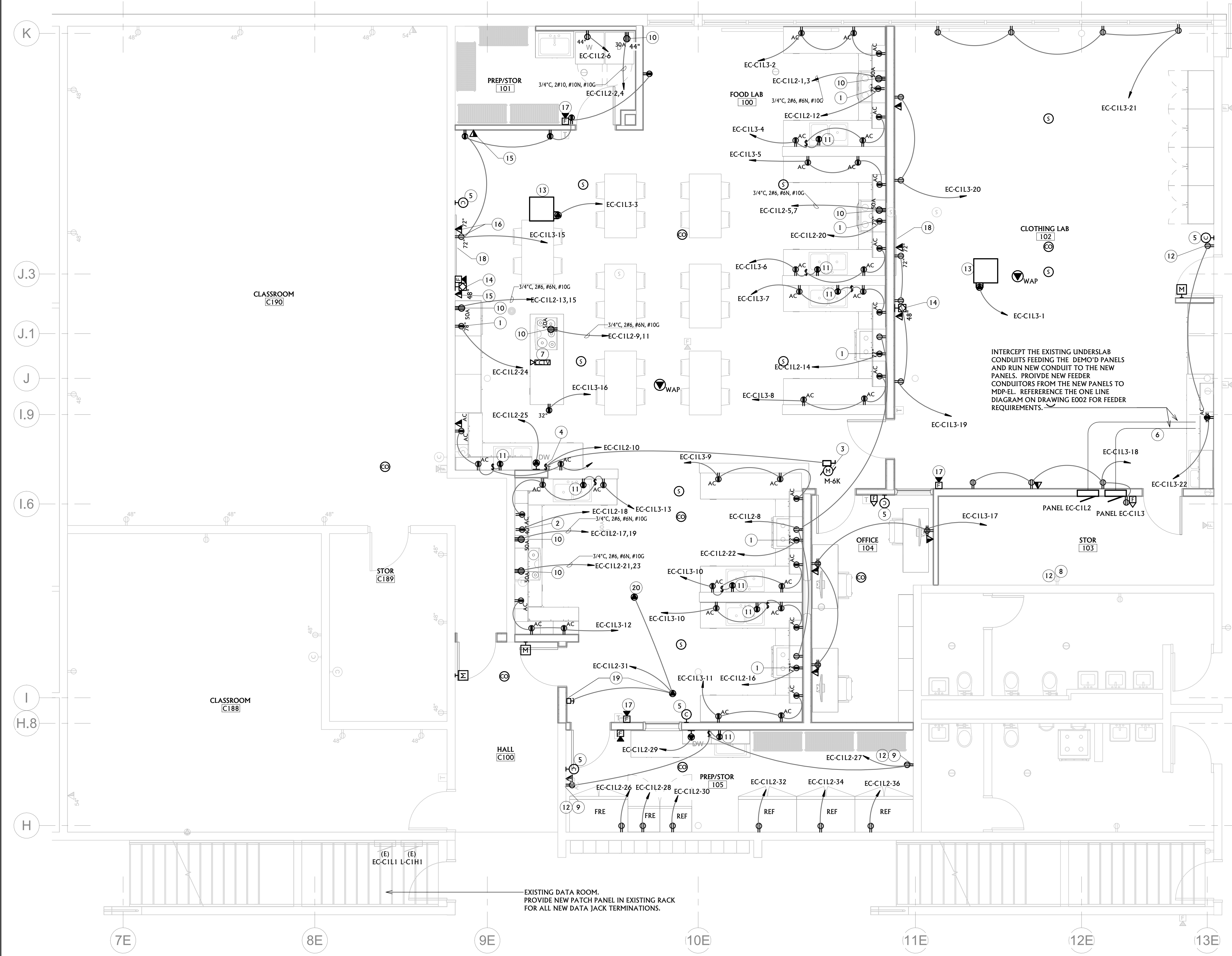
E101

ELECTRICAL POWER GENERAL NOTES

- REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION ON DEVICE LOCATIONS, DIMENSIONS, ETC. CAREFULLY EXAMINE ARCHITECTURAL FLOOR PLANS, CEILING PLANS, ELEVATIONS, ETC. FOR INFORMATION THAT AFFECTS ELECTRICAL WORK. NOTIFY ARCHITECT/ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN ARCHITECTURAL AND ELECTRICAL PLANS.
- ALL DARK ITEMS ARE NEW, UNLESS NOTED OTHERWISE. ALL SHADED ITEMS ARE EXISTING TO REMAIN.
- ALL ITEMS DENOTED WITH AN (R) ARE RELOCATED OR REINSTALLED. ALL ITEMS DENOTED WITH AN (E) ARE EXISTING TO REMAIN.
- EC SHALL COORDINATE EXACT FLOOR BOX LOCATION WITH ARCHITECTURAL FURNITURE PACKAGE PRIOR TO SETTING OF ANY BOXES, UNLESS SPECIFICALLY DIMENSIONED IN THE PLAN. SEE ARCHITECTURAL FURNITURE PLAN FOR DETAILS.
- CONNECT ALL DEVICES TO EXISTING CIRCUITS SERVING THE AREA UNLESS NOTED OTHERWISE. VERIFY EXISTING LOAD PRIOR TO CONNECTING ADDITIONAL DEVICES.
- CONNECT ALL FIRE ALARM DEVICES TO EXISTING FIRE ALARM SYSTEM.
- CONNECT ALL SPEAKERS TO EXISTING OVERHEAD PAGING SYSTEM.
- FIRE SEAL ALL PENETRATIONS IN FIRE RATED WALLS. COORDINATE WITH ARCHITECTURAL FOR LOCATIONS.
- ALL CONVENIENCE RECEPTACLES SHALL BE TAMPER RESISTANT.
- REFERENCE THE ARCHITECTURAL DRAWING FOR FLOOR CUT AND PATCH TO BE DONE BY THE GC FOR UNDERSLAB CONDUITS.
- ALL CIRCUITING SHALL BE MINIMUM OF 1-#12+1-#12N+1-#12G IN 3/4" CONDUIT UNLESS NOTED OTHERWISE.
- REMODEL WORK, THIS CONTRACTOR SHALL VISIT EXISTING BUILDING AND SITE BEFORE SUBMITTING BID AND BECOME FAMILIAR WITH EXISTING CONDITIONS. WIRING IN EXISTING BUILDINGS SHALL REMAIN AS IS EXCEPT AS NOTED ON THE DRAWINGS. WHEN EXISTING WALLS, CEILINGS, FLOORS, LUMINAIRES, SWITCHES, OR RECEPTACLES ARE REMOVED, CONTRACTOR SHALL EXTEND EXISTING CIRCUITING AS REQUIRED TO CONTINUE CIRCUITING; REMOVE ALL UNUSED CONDUCTORS; REMOVE ALL UNUSED CONDUIT WHERE ACCESSIBLE AND INSTALL NEW COVERPLATES WITH BLANK GANGS AS REQUIRED ON EXISTING OUTLET BOXES. ADDED LOADS TO EXISTING CIRCUITING AND PANELS SHALL BE BALANCED BETWEEN PHASES. FURNISH NEW, TYPED, PANELBOARD DIRECTORIES FOR ALL EXISTING PANELS THAT HAVE CIRCUITS MODIFIED OR ADDED AS PART OF THIS PROJECT.

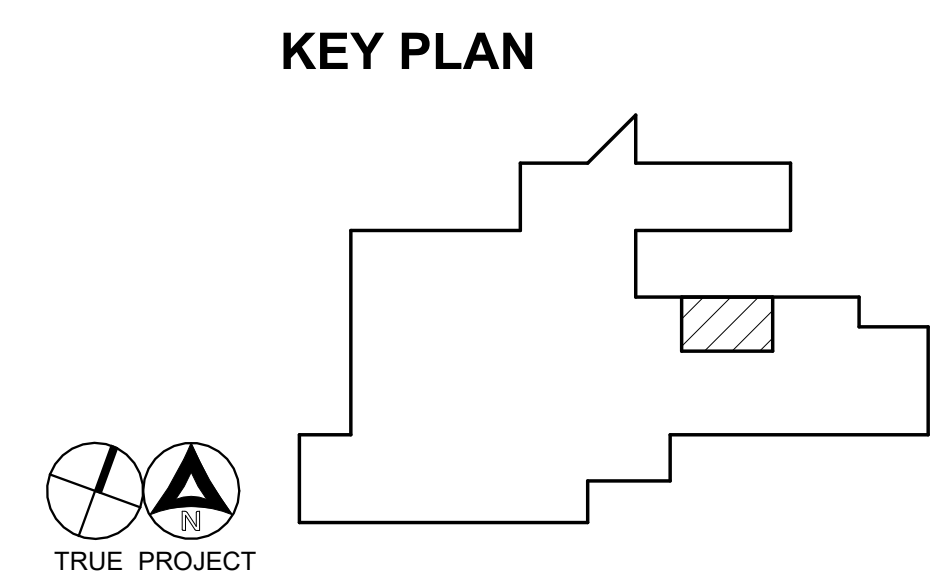
ELECTRICAL KEYNOTES

- MOUNT IN CASEWORK FOR MICROWAVE PLUG.
- MOUNT IN CASEWORK FOR HOOD FAN PLUG.
- ROOF MOUNTED 3/4HP, 120 VOLT EXHAUST FAN. PROVIDE 30 AMP FUSED NEMA 3R DISCONNECT. RUN NEW WIRE, 2-#12 IN EXISTING CONDUIT TO ROOF. REFERENCE MECHANICAL PLANS FOR LOCATION.
- 3/4 HP MOTOR RATED 30 MINUTE SPRING TIMER.
- SPEAKER CLOCK PROVIDE CAT-6A TO DATA ROOM.
- PROVIDE LIDAR SCANNER TO LOCATE THE EXISTING UNDERSLAB FEEDERS PRIOR TO EXCAVATION.
- 360 DEGREE MULTI-SCAN CAMERA.
- MAINTAIN THE EXISTING CIRCUIT TO EXISTING PANEL C111.
- PROVIDE NEW HOME RUN AND CONNECT TO THE EXISTING DEVICES AS SHOWN.
- VERIFY THE APPLIANCE NEMA RECEPTACLE CONFIGURATION REQUIREMENTS WITH THE OWNER PRIOR TO ORDERING.
- PROVIDE RECEPTACLE FOR GARBAGE DISPOSER. COORDINATE EXACT LOCATION WITH EQUIPMENT INSTALLATION. PROVIDE 20A/1P MOMENTARY CONTACT SWITCH MOUNTED ABOVE COUNTER TO CONTROL RECEPTACLE. SWITCH IS CONNECTED UPSTREAM OF RECEPTACLE.
- REPLACE EXISTING RECEPTACLE WITH TAMPER RESISTANT RECEPTACLE.
- IN-CEILING ENCLOSURE FOR THE EXTRON CLASSROOM TECHNOLOGY EQUIPMENT. PROVIDE ALL THREAD SUPPORT FROM STRUCTURE AS REQUIRED TO SUPPORT THE ENCLOSURE AND EQUIPMENT. PROVIDE AN ENCLOSURE SIZED TO HOUSE ALL EQUIPMENT NECESSARY TO SUPPORT THE SYSTEM. REFERENCE SPECIFICATION 275130 CLASSROOM TECHNOLOGY SYSTEMS FOR ADDITIONAL INFORMATION.
- EXTRON CONTROL STATION.
- PROVIDE HDMI JACK IN WALL PLATE AND HDMI CABLE TO DISPLAY MONITOR.
- REFERENCE DETAIL 1/ES00 FOR INSTALLATION REQUIREMENTS.
- RELOCATED DEVICE. EXTEND WIRING AS REQUIRED.
- PROVIDE 75 DISPLAY EQUAL TO SAMSUNG NEO QLED 4K QN85D.
- GAS VALVE RELAY. PROVIDE MUSHROOM HEAD KILL SWITCH WITH PROTECTIVE COVER.
- VAV CONTROL POWER. COORDINATE EXACT LOCATION OF THE CONNECTION WITH THE MECHANICAL CONTRACTOR.



EXISTING DATA ROOM.
PROVIDE NEW PATCH PANEL IN EXISTING RACK
FOR ALL NEW DATA JACK TERMINATIONS.

POWER AND SPECIAL SYSTEMS FIRST FLOOR PLAN
1
E101
1/4" = 1'-0"



SHERIDAN HIGH SCHOOL - FACS RENOVATION

SHERIDAN COUNTY SCHOOL DISTRICT #2



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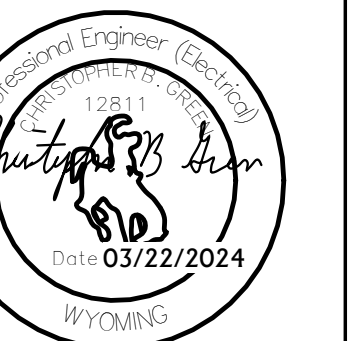
ARCHITECT



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REVISIONS

NO.	DESCRIPTION	DATE

PROJECT NUMBER:
2023-70

DATE:
3-22-2024

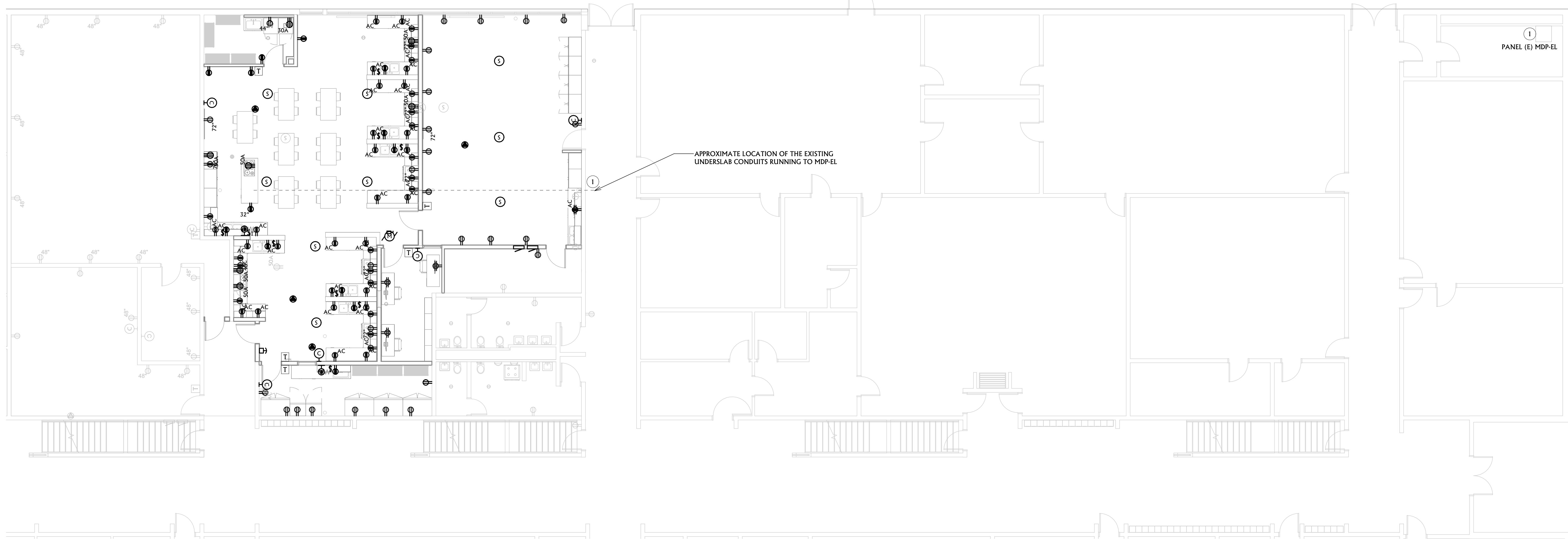
ISSUE:
100% CDs

ELECTRICAL POWER OVERALL PLAN

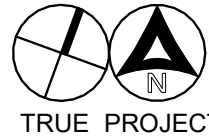
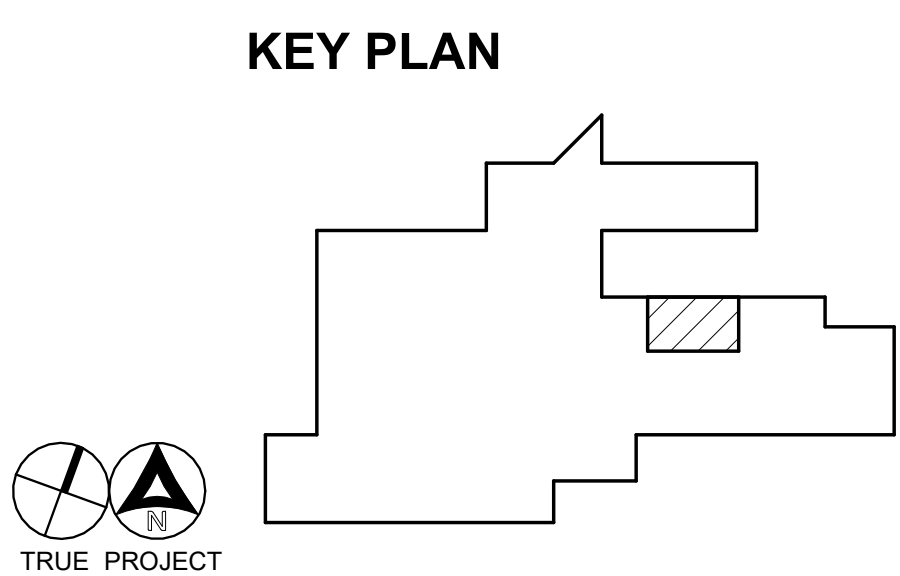
E102

ELECTRICAL POWER GENERAL NOTES	
A	REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION ON DEVICE LOCATIONS, DIMENSIONS, ETC. CAREFULLY EXAMINE ARCHITECTURAL FLOOR PLANS, CEILING PLANS, ELEVATIONS, ETC. FOR INFORMATION THAT AFFECTS ELECTRICAL WORK. NOTIFY ARCHITECT/ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN ARCHITECTURAL AND ELECTRICAL PLANS.
B	ALL DARK ITEMS ARE NEW, UNLESS NOTED OTHERWISE. ALL SHADED ITEMS ARE EXISTING TO REMAIN.
C	ALL ITEMS DENOTED WITH AN (R) ARE RELOCATED OR REINSTALLED. ALL ITEMS DENOTED WITH AN (E) ARE EXISTING TO REMAIN.
D	EC SHALL COORDINATE EXACT FLOOR BOX LOCATION WITH ARCHITECTURAL FURNITURE PACKAGE PRIOR TO SETTING OF ANY BOXES, UNLESS SPECIFICALLY DIMENSIONED IN THE PLAN. SEE ARCHITECTURAL FURNITURE PLAN FOR DETAILS.
E	CONNECT ALL DEVICES TO EXISTING CIRCUITS SERVING THE AREA UNLESS NOTED OTHERWISE. VERIFY EXISTING LOAD PRIOR TO CONNECTING ADDITIONAL DEVICES.
F	CONNECT ALL FIRE ALARM DEVICES TO EXISTING FIRE ALARM SYSTEM.
G	CONNECT ALL SPEAKERS TO EXISTING OVERHEAD PAGING SYSTEM.
H	FIRE SEAL ALL PENETRATIONS IN FIRE RATED WALLS. COORDINATE WITH ARCHITECTURAL FOR LOCATIONS.
I	ALL CONVENIENCE RECEPTACLES SHALL BE TAMPER RESISTENT.
J	REFERENCE THE ARCHITECTURAL DRAWING FOR FLOOR CUT AND PATCH TO BE DONE BY THE GC FOR UNDERSLAB CONDUITS.
K	ALL CIRCUITING SHALL BE MINIMUM OF 1-#12+ 1-#12N+ 1-#12G IN 3/4" CONDUIT UNLESS NOTED OTHERWISE.
L	REMODEL WORK, THIS CONTRACTOR SHALL VISIT EXISTING BUILDING AND SITE BEFORE SUBMITTING BID AND BECOME FAMILIAR WITH EXISTING CONDITIONS. WIRING IN EXISTING BUILDINGS SHALL REMAIN AS IS EXCEPT AS NOTED ON THE DRAWINGS. WHEN EXISTING WALLS, CEILINGS, FLOORS, LUMINAIRES, SWITCHES, OR RECEPTACLES ARE REMOVED, CONTRACTOR SHALL EXTEND EXISTING CIRCUITING AS REQUIRED TO CONTINUE CIRCUITING; REMOVE ALL UNUSED CONDUCTORS; REMOVE ALL UNUSED CONDUIT WHERE ACCESSIBLE AND INSTALL NEW COVERPLATES WITH BLANK GANGS AS REQUIRED ON EXISTING OUTLET BOXES. ADDED LOADS TO EXISTING CIRCUITING AND PANELS SHALL BE BALANCED BETWEEN PHASES. FURNISH NEW, TYPED, PANELBOARD DIRECTORIES FOR ALL EXISTING PANELS THAT HAVE CIRCUITS MODIFIED OR ADDED AS PART OF THIS PROJECT.

ELECTRICAL KEYNOTES	
1	FIELD VERIFY ALL EXISTING CONDITIONS REGARDING FEEDING NEW PANELS EC-C112 AND EC-C113 PRIOR TO BIDDING.



1 ELECTRICAL POWER OVERALL PLAN
E102
1/8" = 1'-0"



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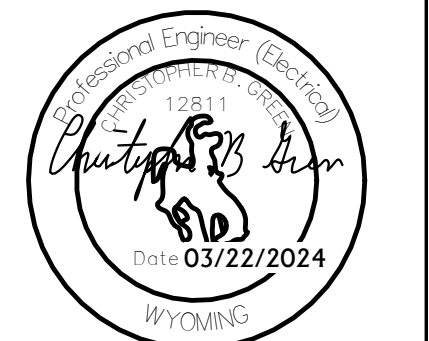
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ELECTRICAL LIGHTING FIRST FLOOR PLAN

E201

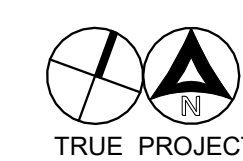
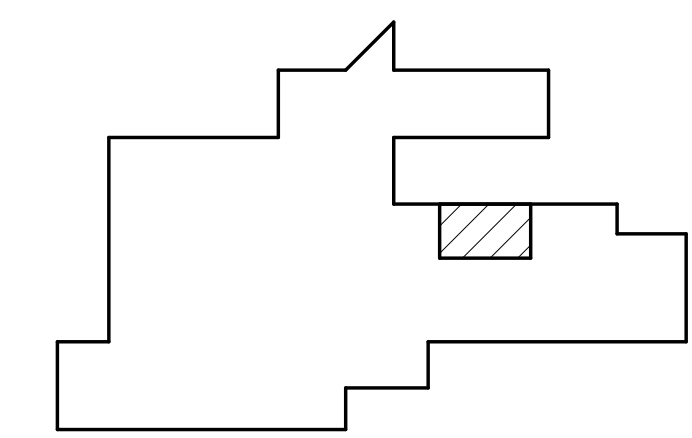
- ELECTRICAL LIGHTING GENERAL NOTES**
- A WHEN LIGHT SWITCHES ARE SHOWN LOCATED ON THE WALL THAT IS COMMON WITH THE END OF THE DOOR SWING INTO A SPACE. DO NOT LOCATE THE SWITCHES BEHIND THE DOOR, BUT RATHER A MINIMUM OF 6" FROM THE END OF THE SWING. VERIFY EXACT DOOR SWING PRIOR TO ROUGH-IN.
 - B ALL CABLING LOCATED WITHIN THE CEILING SPACE SHALL BE PLENUM RATED UNLESS IT IS COMPLETELY INSTALLED IN CONDUIT. THIS INCLUDES, BUT IS NOT LIMITED TO: OCCUPANCY SENSOR/ LIGHTING CONTROL CABLING. ALL FIRE ALARM CABLING SHALL BE IN A FULL CONDUIT SYSTEM, NO EXCEPTIONS.
 - C OCCUPANCY SENSORS SHALL BE SET FOR A 30 MINUTE TIME OUT DELAY. OFFICES SHALL BE SET FOR 15 MINUTE DELAY AND REST ROOMS SHALL BE SET FOR 20 MINUTE DELAY.
 - D NOT ALL CIRCUITRY IS SHOWN FROM SWITCHES TO EACH CONTROLLED LIGHT FIXTURE(S). EC SHALL MATCH SWITCH SUBSCRIPT TO ASSOCIATED LIGHT FIXTURE(S) AND CONNECT COMPLETE.
 - E PROVIDE ALL LOW VOLTAGE WIRING REQUIRED TO CONNECT OCCUPANCY SENSORS IN A SPACE TO THE POWER PACK ASSOCIATED WITH AN INDIVIDUAL AREA. WIRING NOT SHOWN FOR DRAWING CLARITY.
 - F WHERE MULTIPLE OCCUPANCY SENSORS ARE IN A SINGLE ROOM, CONNECT SO THAT ANY SENSOR TURNS ALL LIGHTS ON.
 - G EC SHALL PROVIDE A COMPLETE WIRING SYSTEM CONSISTING OF PROPER QUANTITY OF SWITCH LEGS, NEUTRALS AND HOT CIRCUITS FOR A FUNCTIONAL INSTALLATION.
 - H ALL CIRCUITING SHALL BE MINIMUM OF 1-#12+1-#12N+1-#12G IN 3/4" CONDUIT UNLESS NOTED OTHERWISE.

- ELECTRICAL KEYNOTES**
- I RELOCATED LIGHT SWITCH. CONNECT TO THE EXISTING LIGHTING CIRCUIT.



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

KEY PLAN



REVISIONS

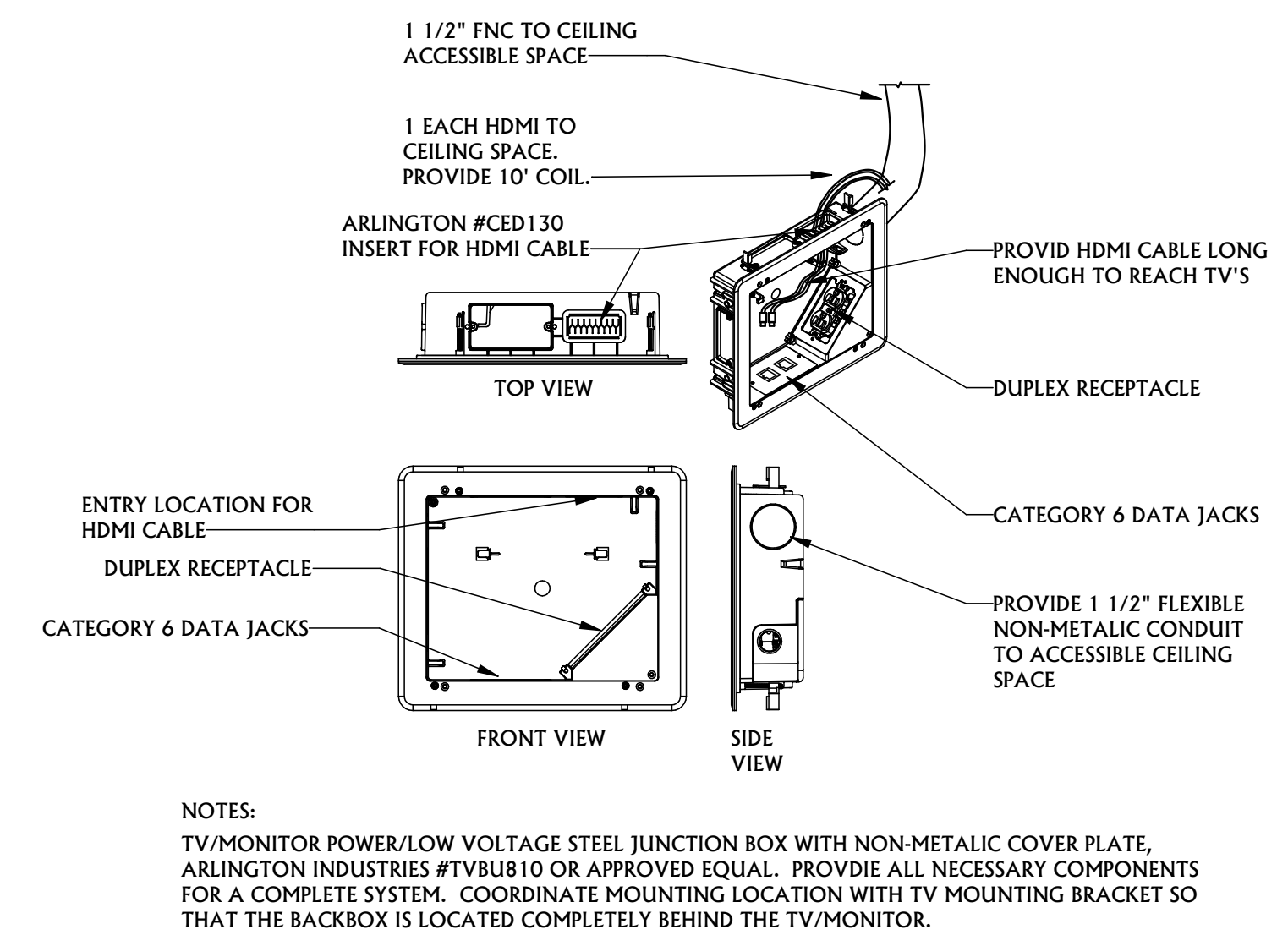
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PROJECT NUMBER: 2023-70

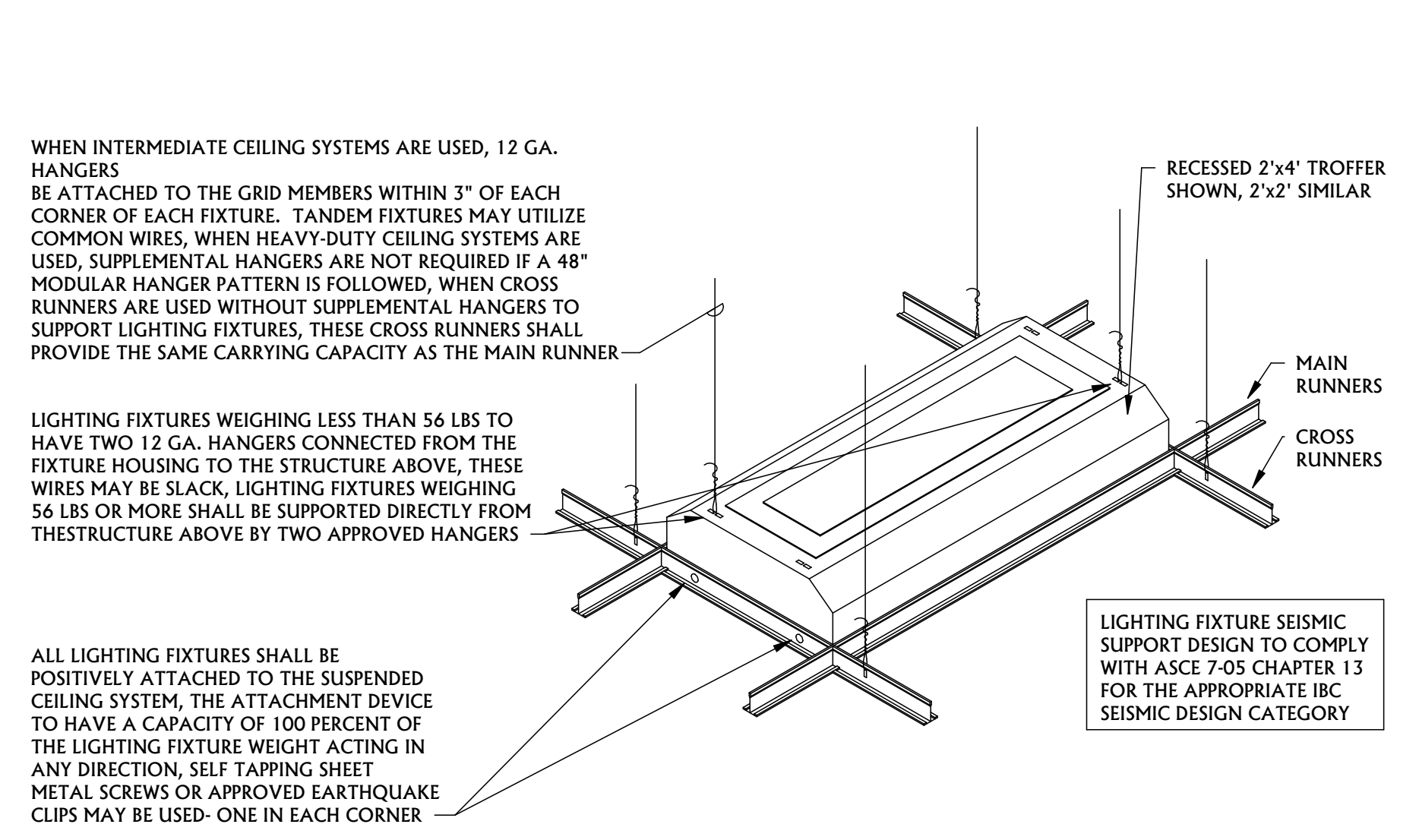
DATE: 3-22-2024

ISSUE: 100% CDs

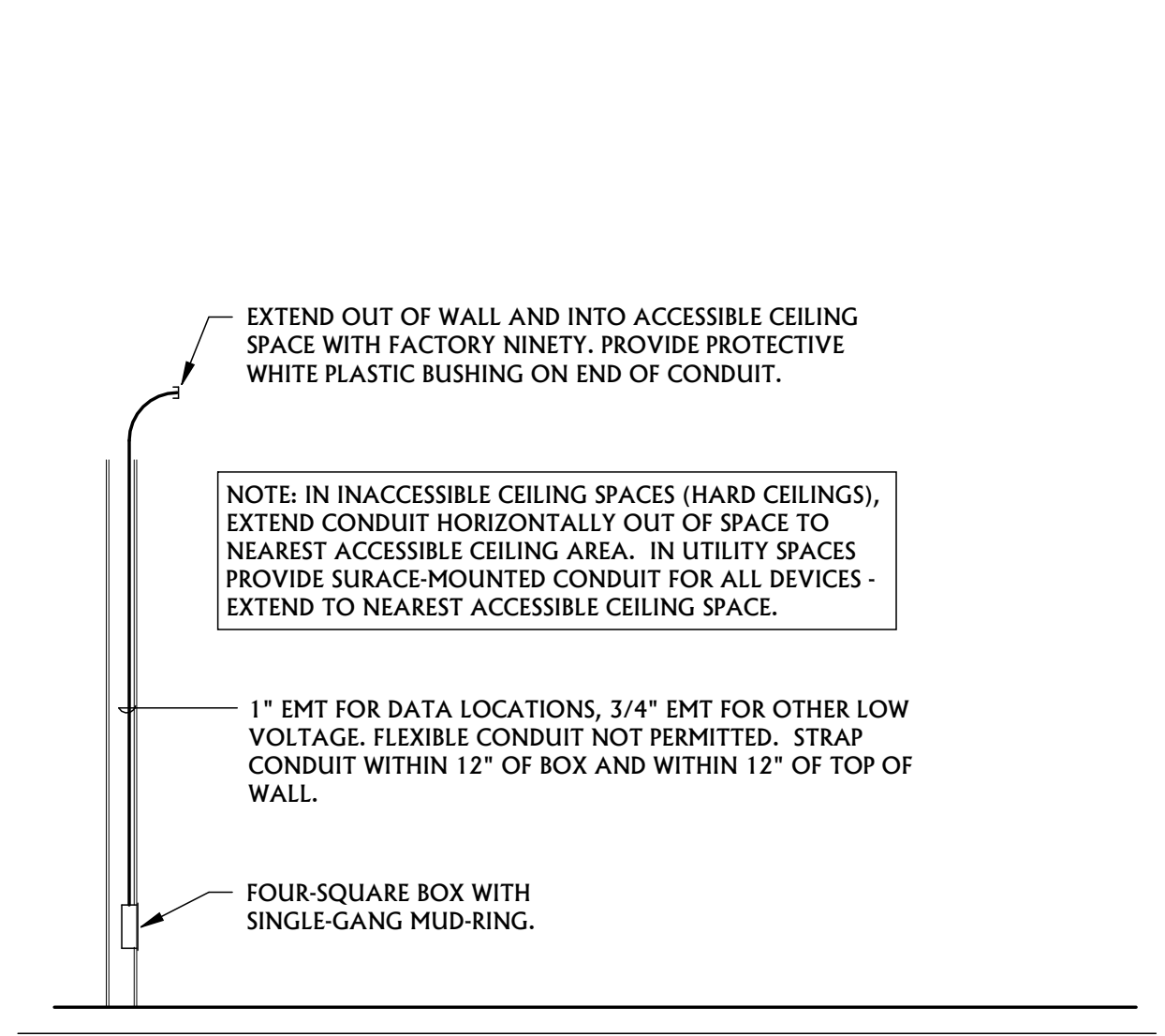
ELECTRICAL DETAILS



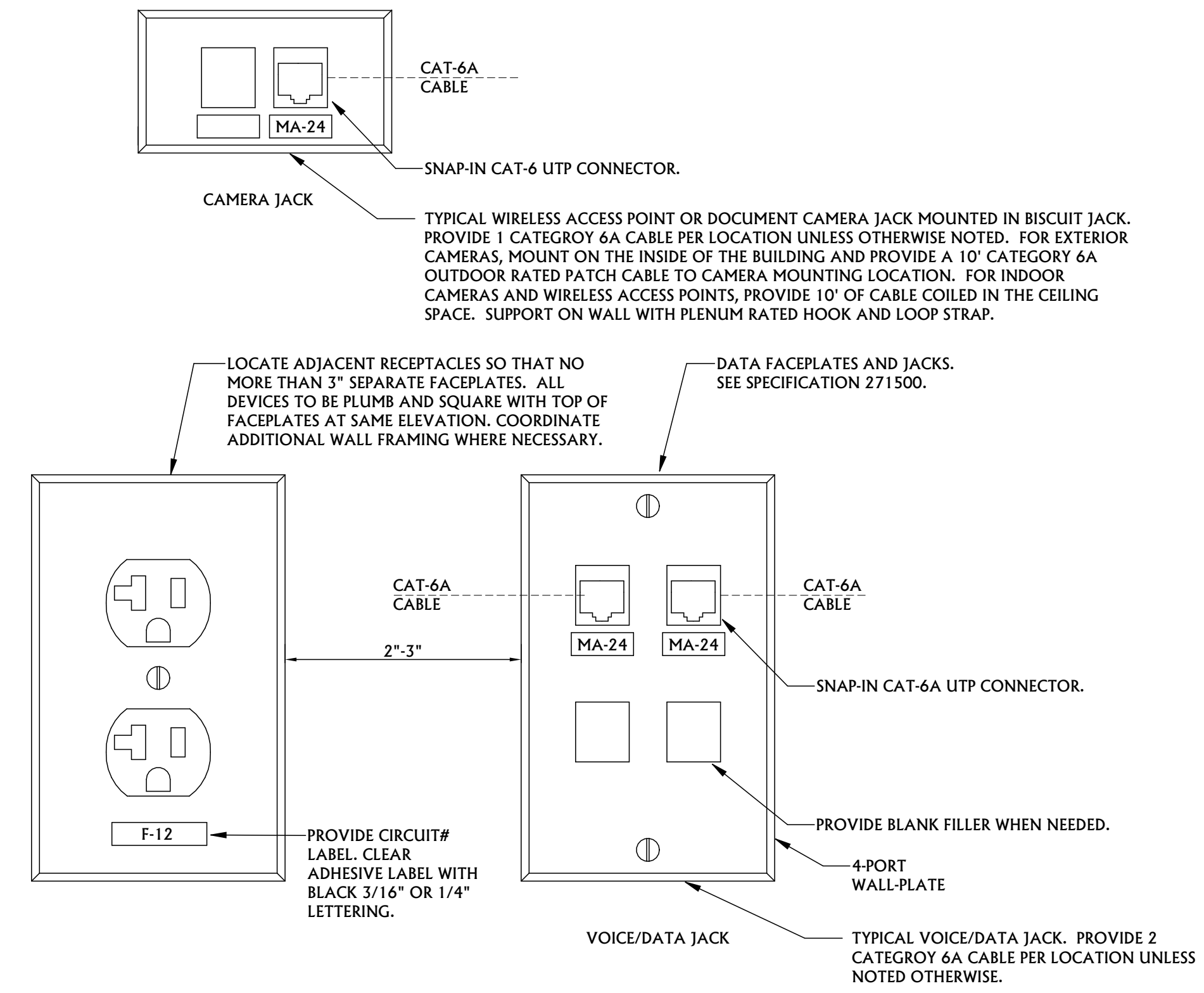
1 DATA WALL BOX FOR DISPLAY PANEL NOT TO SCALE



2 LIGHTING SUPPORT NOT TO SCALE



3 LOW VOLTAGE ROUGH NOT TO SCALE



4 DATA JACK AND CABLING DETAIL NOT TO SCALE