

FAULKTON SCHOOL RENOVATION 1.0

1114 COURT STREET
FAULKTON, SOUTH DAKOTA



DRAWING SHEET INDEX:

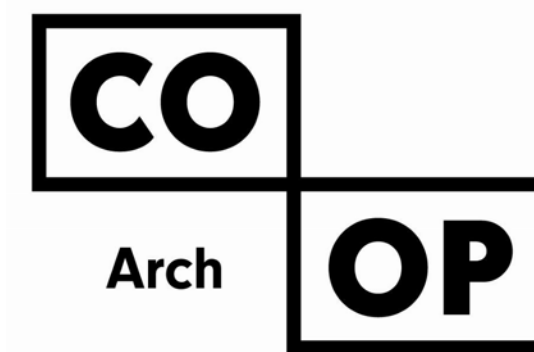
G000	CODE STANDARDS AND SYMBOLS LEGEND
G001	GENERAL NOTES, CODE & ORIENTATION PLAN
CIVIL	
C1	TOPOGRAPHIC SURVEY
C2	REMOVALS PLAN
C3	UTILITY PLAN
C4	GRADING PLAN
C5	GRADING SHEET
C6	DETAILS SHEET
ARCHITECTURAL	
D100	DEMOLITION PLANS - FIRST LEVEL - OVERALL
D101.A	DEMOLITION PLANS - FIRST LEVEL - AREA A
D101.B	DEMOLITION PLANS - FIRST LEVEL - AREA B
D101.C	DEMOLITION PLANS - FIRST LEVEL - AREA C
D102	DEMOLITION FLOOR PLANS - SECOND LEVEL
ARCHITECTURAL	
A100	FLOOR PLAN - FIRST LEVEL - OVERALL
A101.A	FLOOR PLANS - FIRST LEVEL - AREA A
A101.B	FLOOR PLANS - FIRST LEVEL - AREA B
A101.C	FLOOR PLANS - FIRST LEVEL - AREA C
A102	FLOOR PLAN - SECOND LEVEL - OVERALL
A102.C	FLOOR PLANS - SECOND LEVEL - AREA C
A120	FINISH SCHEDULE & LEGENDS
A121	FINISH PLAN - FIRST LEVEL - AREA A, B, C
A131.A	ROOF PLAN - AREA A
A201.A	AREA A - ELEVATIONS AND SECTIONS
A201.B	AREA B - ELEVATIONS AND SECTIONS
A201.C	AREA C - ELEVATIONS AND SECTIONS
A301.A	AREA A - WALL SECTIONS
A400.A	INTERIOR ELEVATIONS - AREA A
A401.B	INTERIOR ELEVATIONS - AREA B
A402.C	INTERIOR ELEVATIONS - AREA C
A404.C	ENLARGED PLAN & ELEVATIONS - AREA C
A500	EXTERIOR DETAILS
A510	INTERIOR DETAILS
A600	DOOR & WINDOW SCHEDULE
A601	DOOR & FRAME DETAILS
STRUCTURAL	
S001	GENERAL NOTES
S101.A	FOOTING & FOUNDATION/ROOF FRAMING PLANS - AREA A
S201.B	ROOF FRAMING PLAN - AREA B & C
S301	FOUNDATION DETAILS
S302	FOUNDATION DETAILS
S401	FRAMING DETAILS
S402	FRAMING DETAILS
S403	FRAMING DETAILS
MECHANICAL	
EM100	MOTOR SCHEDULE, LEGEND & SHEET INDEX
EM101	ELECTRICAL & MECHANICAL SITE PLAN
M102	MECHANICAL ROOF PLAN
M200.A	DEMO & PROPOSED - AREA A - BELOW GRADE PLUMBING PLAN
M200.B	DEMO & PROPOSED - AREA B - BELOW GRADE PLUMBING PLAN
M200.C	DEMO & PROPOSED - AREA C - BELOW GRADE PLUMBING PLAN
M300.A	DEMO & PROPOSED - AREA A - ABOVE GRADE PLUMBING & HYDRONICS PLAN
M300.B	DEMO & PROPOSED - AREA B - ABOVE GRADE PLUMBING & HYDRONICS PLAN
M300.C	DEMO & PROPOSED - AREA C - ABOVE GRADE PLUMBING & HYDRONICS PLAN
M301.C	DEMO & PROPOSED - AREA A - SECOND FLOOR ABOVE GRADE PLUMBING & HYDRONICS PLAN
M400	FIRE PROTECTION - LEGEND & DETAILS
M400.A	AREA A - FIRE PROTECTION PLAN - BY ADD ALTERNATE #2 & #2.1
M400.C	AREA C - FIRE PROTECTION PLAN
M500.A	DEMO & PROPOSED - AREA A - HVAC PLAN
M500.B	DEMO & PROPOSED - AREA B - HVAC PLAN
M500.C	DEMO & PROPOSED - AREA C - HVAC PLAN
M501.C	DEMO & PROPOSED - AREA C - SECOND LEVEL HVAC PLAN
M502	HVAC TEMPERATURE CONTROL ZONE PLAN
M600	PLUMBING FIXTURE SCHEDULE
M700	MECHANICAL DETAILS
M701	MECHANICAL DETAILS CONTINUED
M800.A	AREA A - MECHANICAL SECTIONS
M800.B	AREA B - MECHANICAL SECTIONS
M800.C	AREA C - MECHANICAL SECTIONS
M900	MECHANICAL SCHEDULES
ELECTRICAL	
E200	OVERALL ELECTRICAL DEMOLITION PLAN
E300.A	DEMO & PROPOSED - AREA A - POWER & DATA PLAN
E300.B	DEMO & PROPOSED - AREA B - POWER & DATA PLAN
E300.C	DEMO & PROPOSED - AREA C - POWER & DATA PLAN
E301.C	DEMO & PROPOSED - AREA C - SECOND FLOOR - POWER & DATA PLAN
E400.A	DEMO & PROPOSED - AREA A - LIGHTING PLAN
E400.B	DEMO & PROPOSED - AREA B - LIGHTING PLAN
E400.C	DEMO & PROPOSED - AREA C - LIGHTING PLAN
E401.C	DEMO & PROPOSED - AREA C - SECOND FLOOR - LIGHTING PLAN
E500.A	DEMO & PROPOSED - AREA A - SPECIAL SYSTEMS PLAN
E500.B	DEMO & PROPOSED - AREA B - SPECIAL SYSTEMS PLAN
E500.C	DEMO & PROPOSED - AREA C - SPECIAL SYSTEMS PLAN
E501.C	DEMO & PROPOSED - AREA C - SECOND FLOOR - SPECIAL SYSTEMS PLAN
E600	ELECTRICAL DETAILS
E601	ELECTRICAL DETAILS
E700	ELECTRICAL SCHEDULES

OWNER:



1114 Court Street
Faulkton, SD 57438
Phone: 605-598-6266

ARCHITECT:



1108 S Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

440 E 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

600 Kansas City St. 1
Rapid City, SD 57701
Phone: 605-716-3652

www.co-oparch.com

STRUCTURAL ENGINEER:



436 E 8th Street
Sioux Falls, SD 57103
Phone: 605-370-6139

MECHANICAL ENGINEER:



Mechanical and Electrical Engineering
605-225-4344

801 Railroad Avenue Southeast
Aberdeen, SD 57401
Phone: 605-225-4344

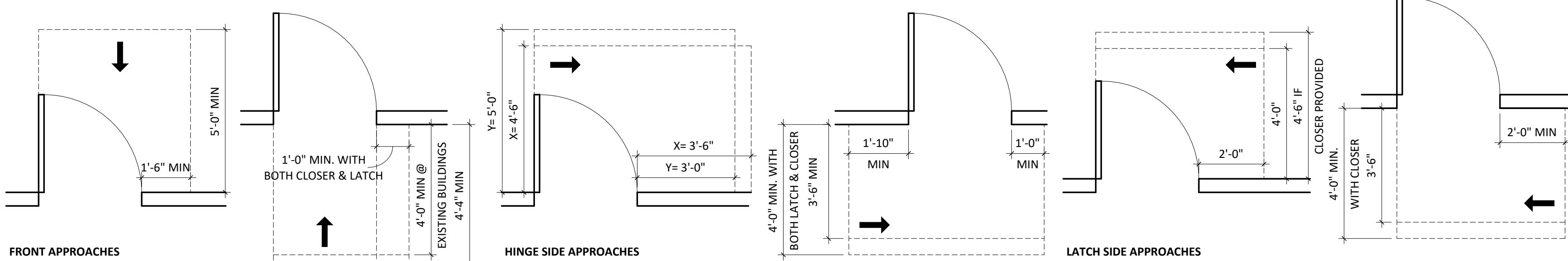
ELECTRICAL ENGINEER:



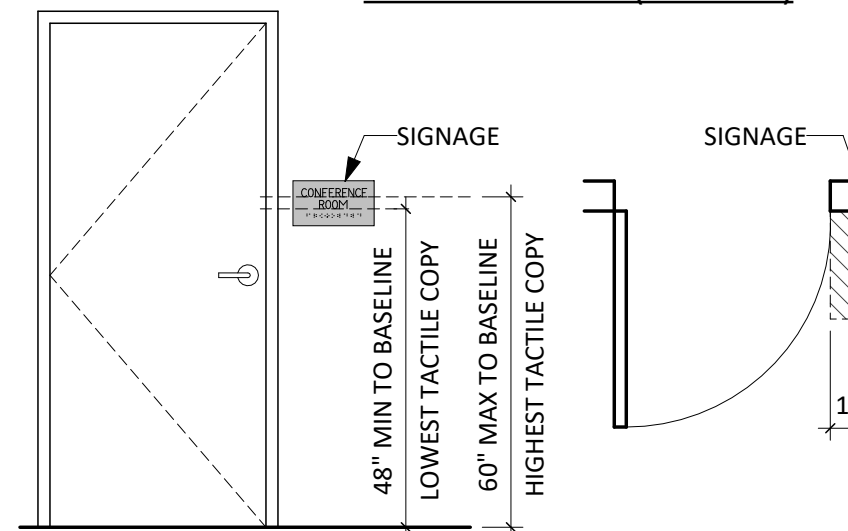
48731 265th St.
Brandon, SD 57001
Phone: 605-582-5717

100% CONSTRUCTION
DOCUMENTS
2/4/2025

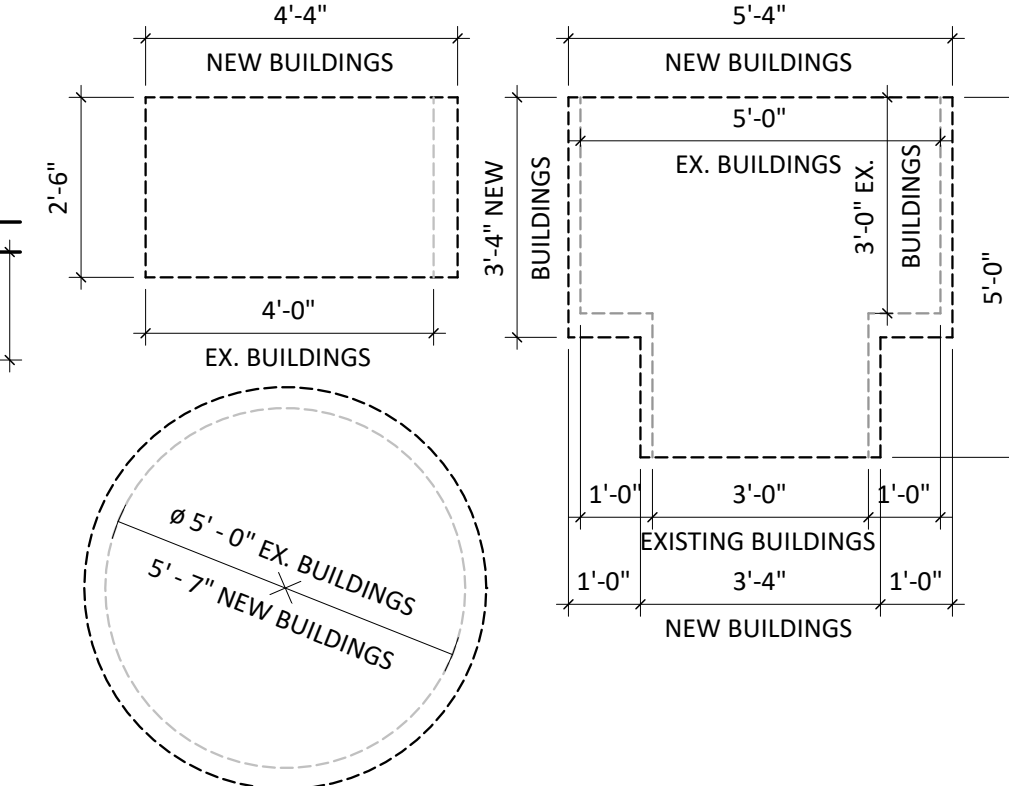
MANEUVERING CLEARANCES AT DOORS PER ADAAG (4.13.6), ANSI (404.2.4), ICC A117.1-2017 (404.2.3)



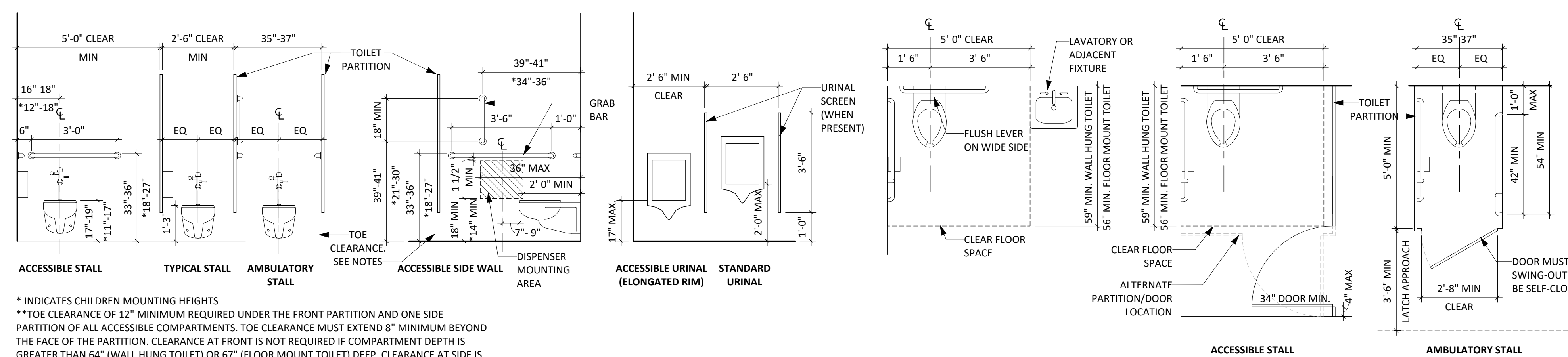
SIGNAGE PER ADAAG (4.30.6), ANSI (703.4.1), ICC A117.1-2017 (703.3.10)



TURNING SPACE PER ANSI (304.1), ICC A117.1-2017 (304.3)

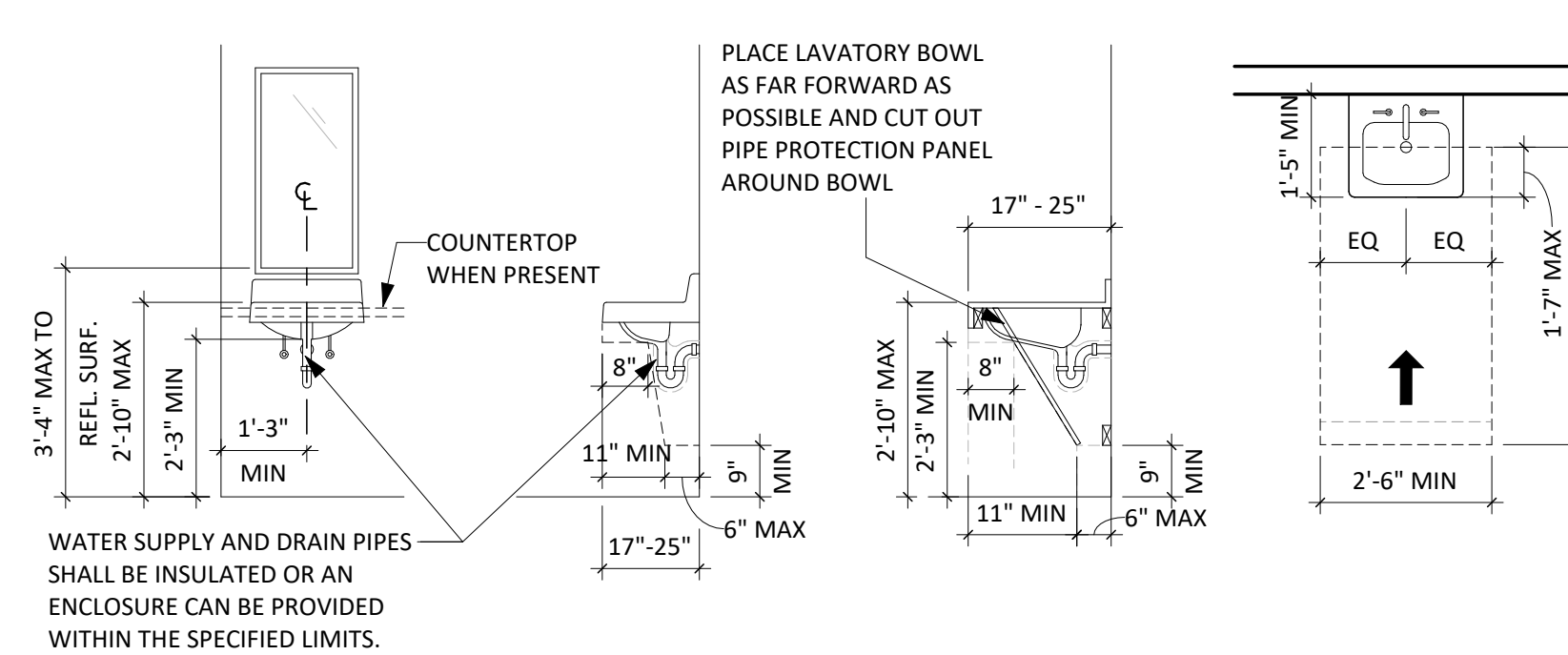


WATER CLOSET & URINALS - CLEARANCES & MOUNTING HEIGHTS PER ADAAG (4.16-4.18), ANSI (603-605), ICC A117.1-2017 (604.2-605.2 & 609.4)

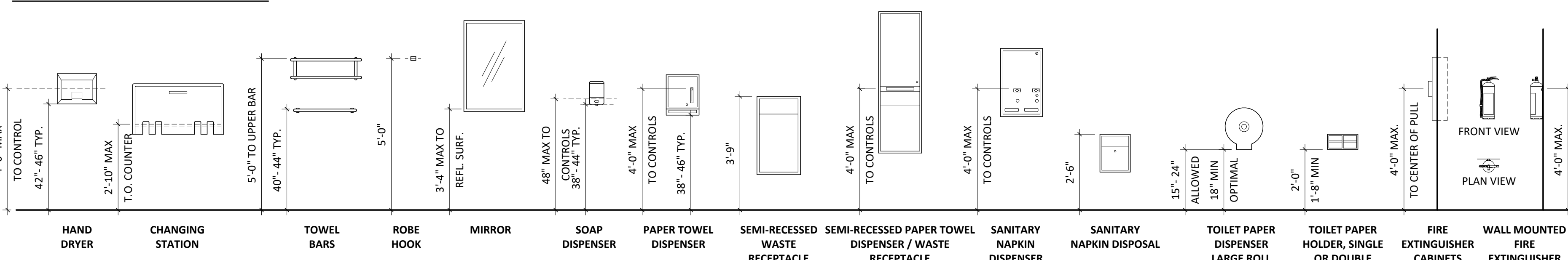


* INDICATES CHILDREN MOUNTING HEIGHTS
 ** THE CLEARANCE OF 12" MINIMUM REQUIRED UNDER THE FRONT PARTITION AND ONE SIDE PARTITION OF ALL ACCESSIBLE COMPARTMENTS. THE CLEARANCE MUST EXTEND 8" MINIMUM BEYOND THE FACE OF THE PARTITION. CLEARANCE AT FRONT IS NOT REQUIRED IF COMPARTMENT DEPTH IS GREATER THAN 64" (WALL HUNG TOILET) OR 67" (FLOOR MOUNT TOILET) DEEP. CLEARANCE AT SIDE IS NOT REQUIRED IF COMPARTMENT IS GREATER THAN 68" WIDE.

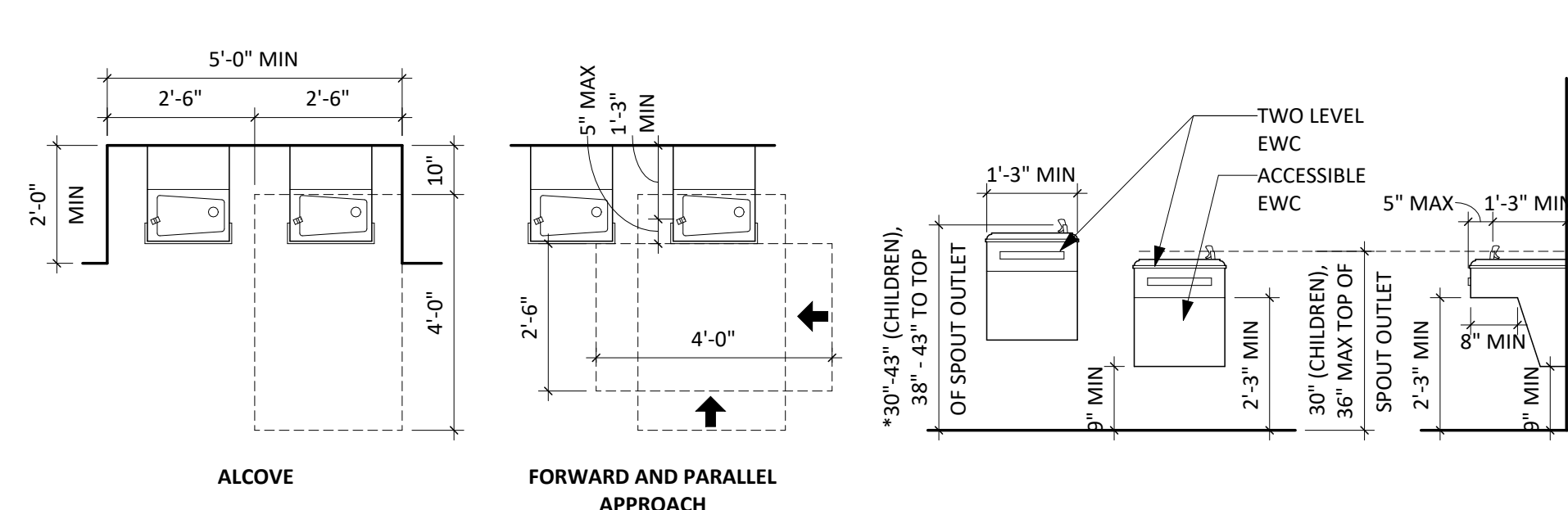
LAVATORIES & SINKS - CLEARANCES & HEIGHTS PER ADAAG (4.19), ANSI (606), ICC A117.1-2009 (606.3)



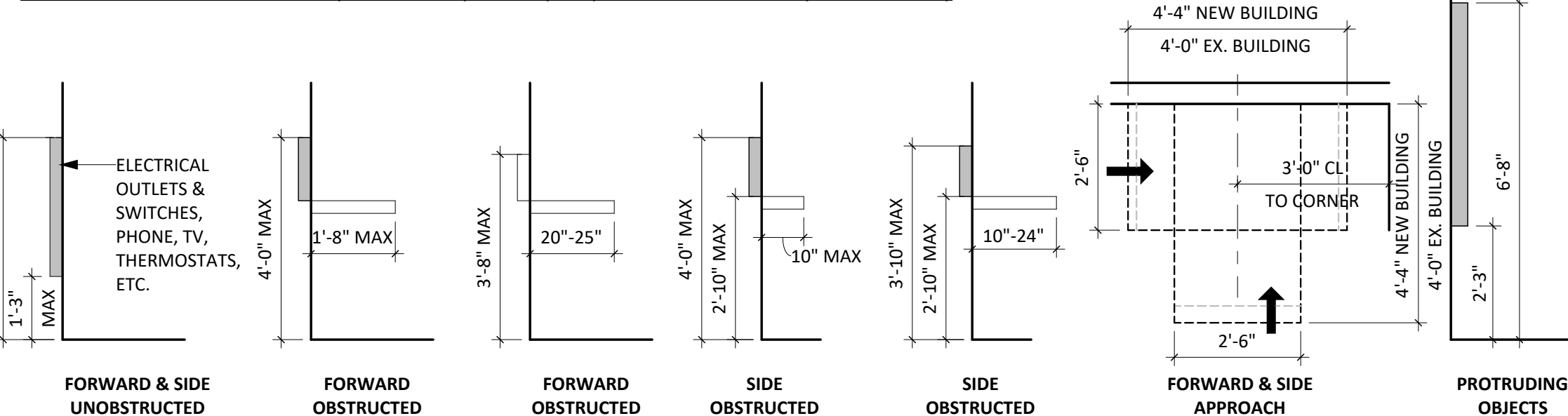
MISCELLANEOUS MOUNTING HEIGHTS



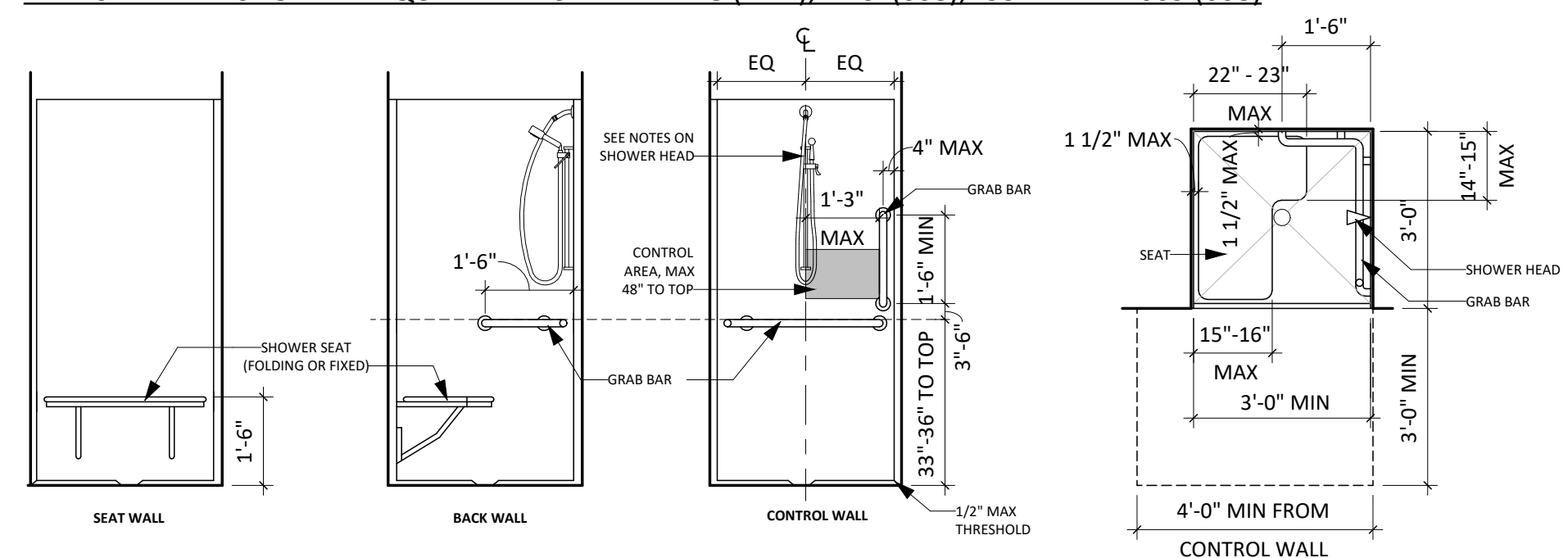
DRINKING FOUNTAIN - CLEARANCES & HEIGHTS PER ADAAG (4.15), ANSI (602), ICC A117.1-2017 (602)



REACH RANGES PER ADAAG (4.2.5/4.2.6), ANSI (308), ICC A117.1-2017 (308.2/308.3)



TRANSFER-TYPE SHOWER REQUIREMENTS PER ADAAG (4.21), ANSI (608), ICC A117.1-2009 (608)



* SHOWER HEADS MUST BE USABLE IN FIXED POSITION AS A HAND-HELD MODEL WITH MINIMUM 59" LONG HOSE, HOWEVER, A LONGER 60" LONG HOSE IS RECOMMENDED. OPTIONAL VERTICAL SLIDE BAR SHOULD BE 36" 40" IN LENGTH AND CANNOT OBSTRUCT GRAB BARS.

** PROVIDE BLOCKING BEHIND ALL GRAB BAR AND SEAT LOCATIONS MIN. FINISH. ALL ADDITIONAL BLOCKING AS REQ. BY MFR REQ.

ARCHITECTURAL SYMBOLS LEGEND				
	VIEW NAME	REFERENCED CALLOUT		BUILDING SECTION SECTION / DRAWING SHEET
	VIEW NAME	PLAN VIEW CALLOUT		WALL SECTION SECTION / DRAWING SHEET
	FLOOR LEVEL	ELEVATION NAME AND HEIGHT		DETAIL OR PLAN CALLOUT VIEW NUMBER / DRAWING SHEET
	GRID SYMBOL			KEYNOTE TAG
	GRID SYMBOL			DOOR & FRAME TAG
	ROOM	ROOM NAME, NUMBER, & SQUARE FOOTAGE		WINDOW UNIT TAG
	ROOM NAME	ROOM NAME & SQUARE FOOTAGE		ROOF TYPE TAG
	INTERIOR ELEVATION REFERENCE	DETAIL NUMBER / DRAWING SHEET		WALL TYPE TAG
	EXTERIOR BUILDING ELEVATIONS	ELEVATION / DRAWING SHEET		FLOOR TYPE TAG
	REVISION			REVISION NUMBER TAG
	CENTER LINE			NORTH ARROW

CO Arch OP

1108 S. Main St. 102
 Aberdeen, SD 57401
 Phone: 605-725-4852

600 Kansas City St. 1
 Rapid City, SD 57701
 Phone: 605-716-3652

440 E. 8th St. 221
 Sioux Falls, SD 57103
 Phone: 605-334-9999

co-oparch.com

CO-OP PROJECT NO: 2447

REGISTERED ARCHITECT
 REG. NO. 9849
 THOMAS J. HURLBERT
 2/4/25
 SOUTH DAKOTA

ISSUE:
 2/4/2025 100% CONSTRUCTION DOCUMENTS

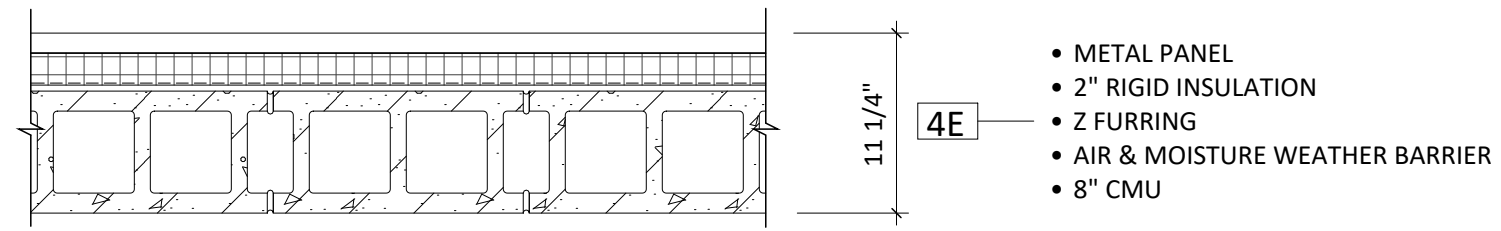
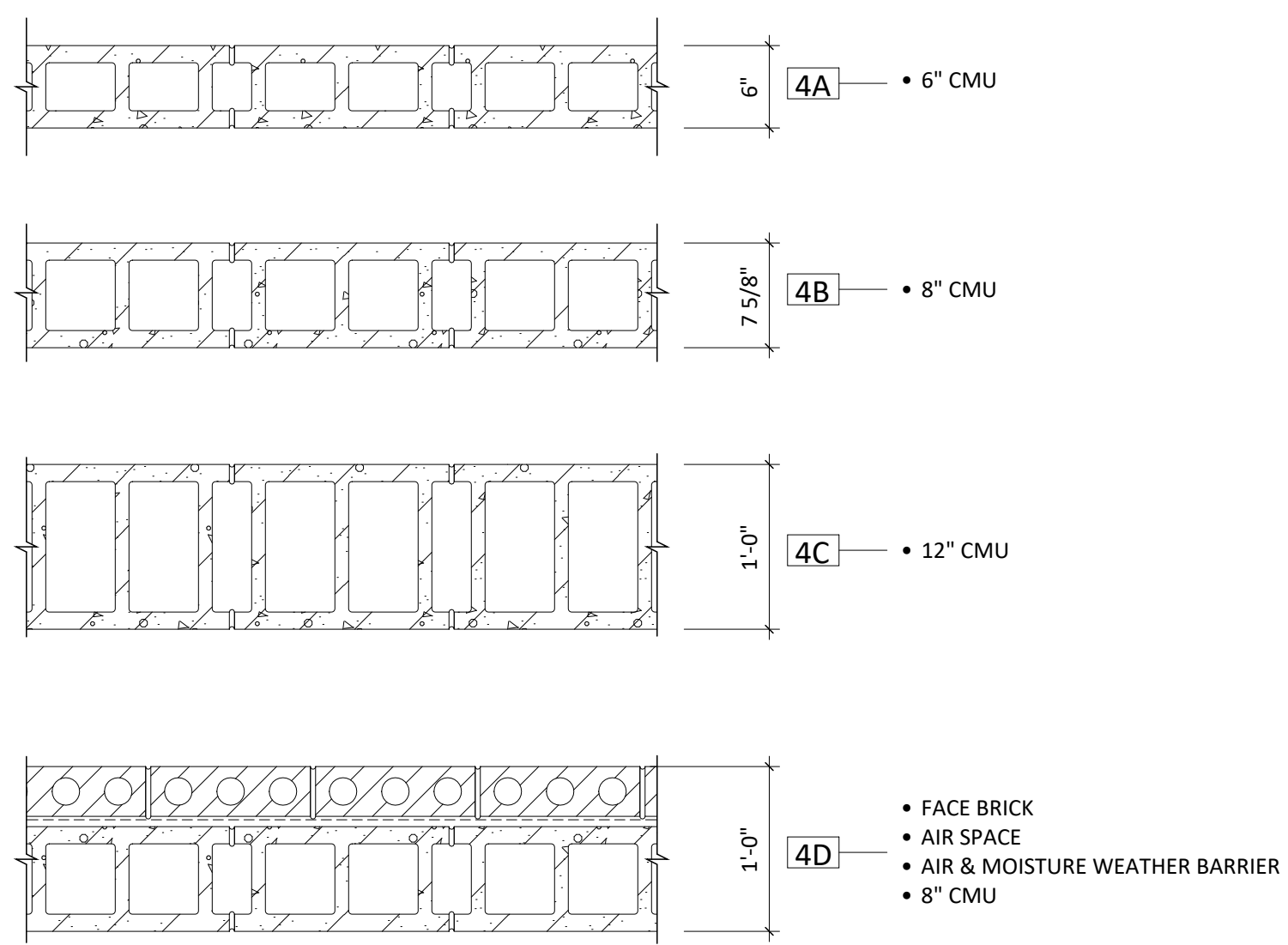
REVISION SCHEDULE:
 REV. # REV. DSC. REV. DATE

PROJECT:
 FAULKTON SCHOOL RENOVATION
 1114 COURT STREET
 FAULKTON, SOUTH DAKOTA

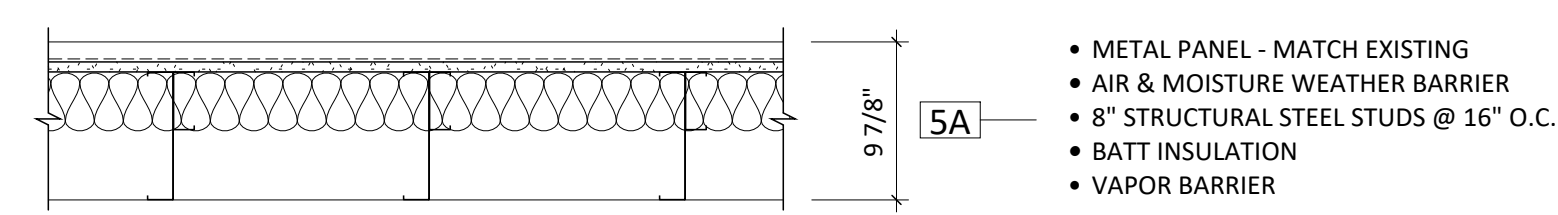
SHEET TITLE:
 CODE STANDARDS AND SYMBOLS LEGEND

G000

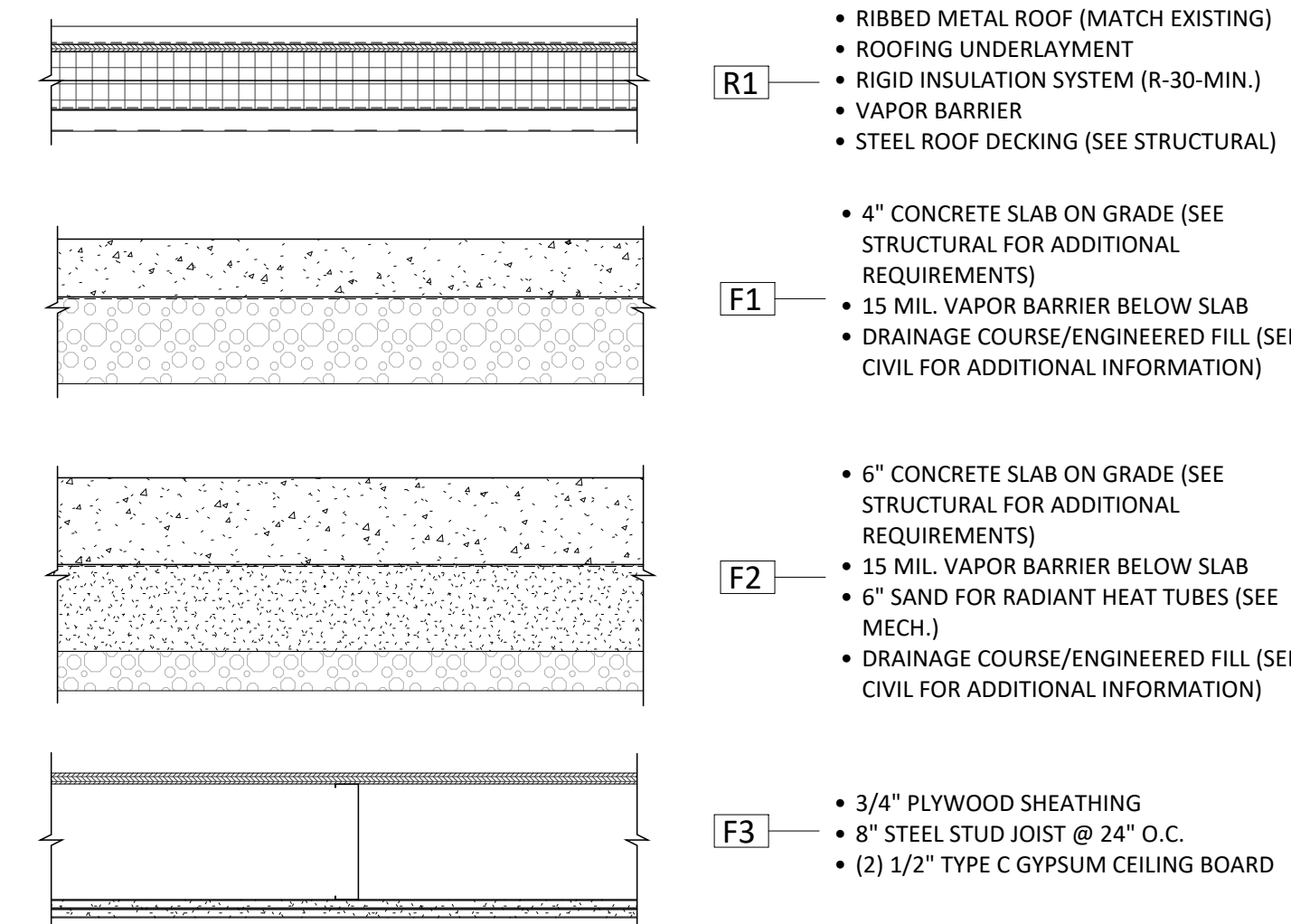
WALL TYPE 4 (DIVISION 4 - MASONRY)



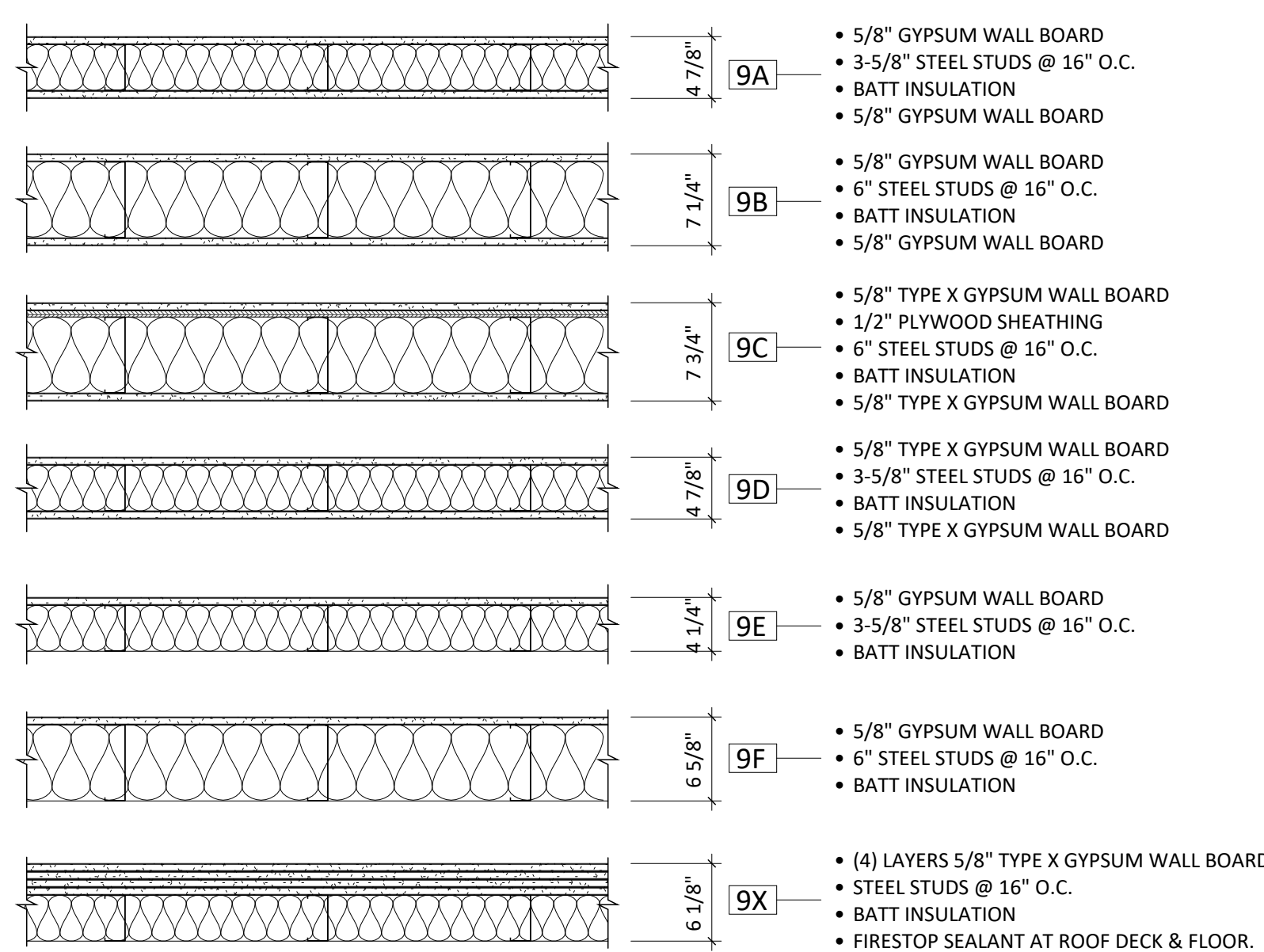
WALL TYPE 5 (DIVISION 5 - STRUCTURAL STEEL)



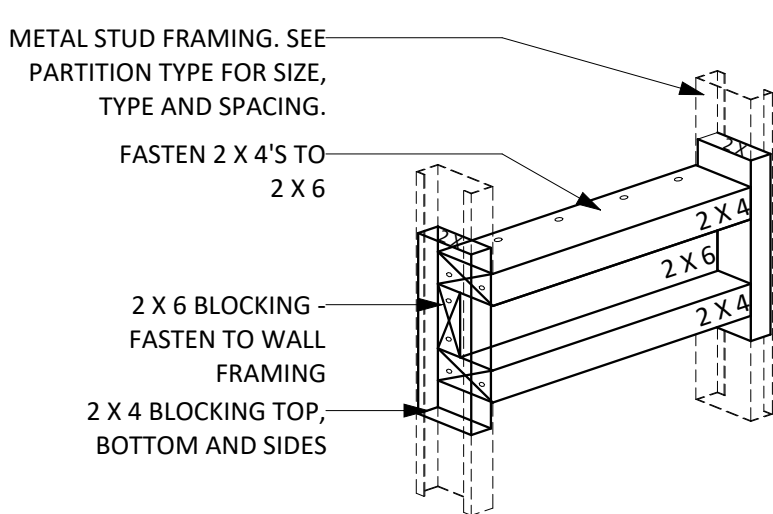
ROOF & FLOOR TYPES



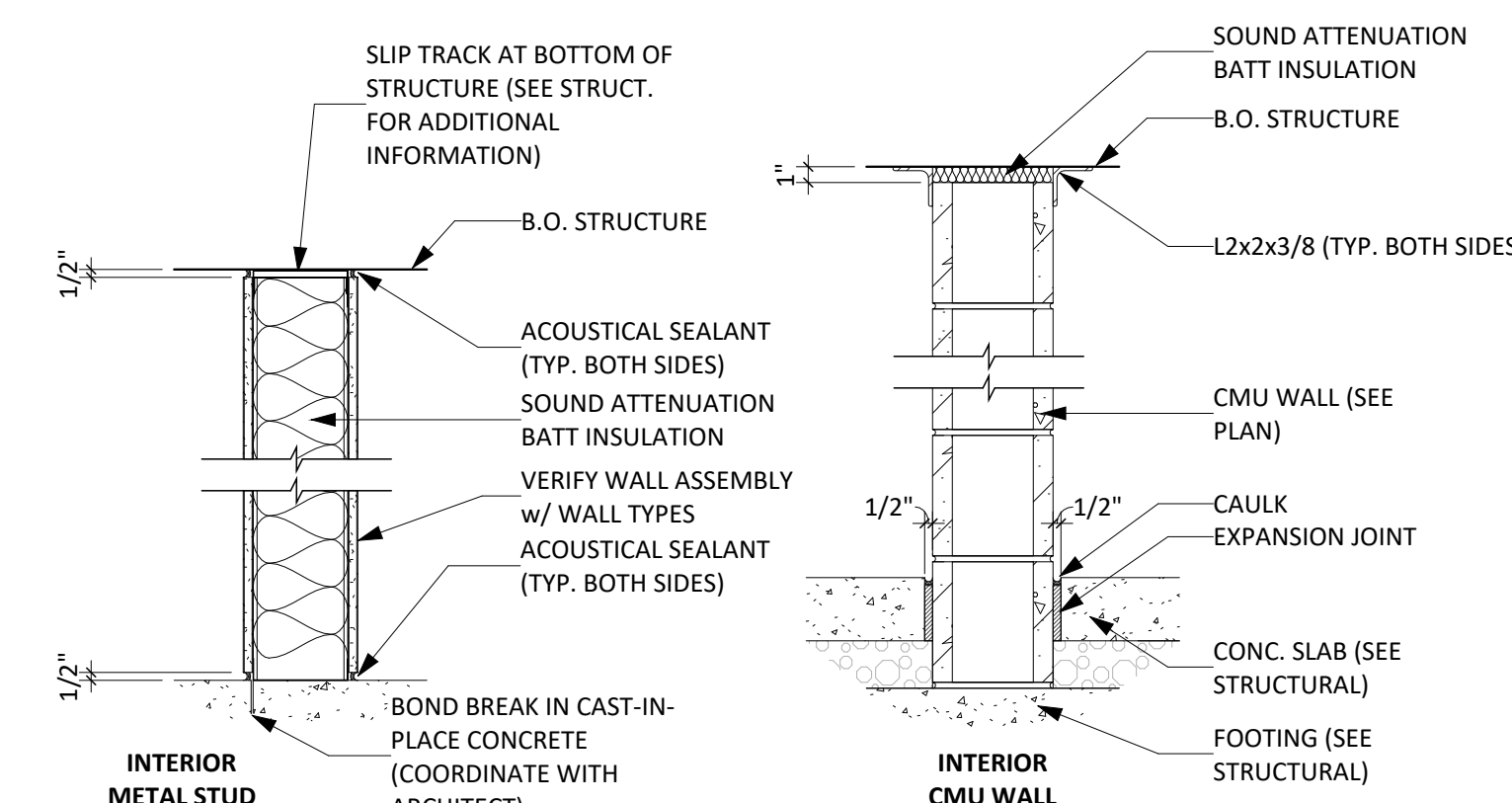
WALL TYPE 9 (DIVISION 9 - INTERIORS)



TYPICAL BLOCKING DETAIL



NOTE:
 1) BLOCKING DESIGN SHALL RESIST 250 LBS APPLIED IN ANY DIRECTION.
 2) PROVIDE BLOCKING AT ALL WATER CLOSETS AND SHOWERS FOR FUTURE GRAB BAR INSTALLATION.
 3) ALL BLOCKING TO BE TREATED.
 4) AT ALL NEW DISPLAY MONITOR LOCATIONS, PROVIDE SOLID BLOCKING FROM 5" TO 65" A.F.F. & 36" WIDE. SEE ELECTRICAL FOR DATA AND POWER REQUIREMENTS.



TYPICAL TOP & BOTTOM OF WALL PARTITION(S)

CODE LEGEND	
(FE)	LOCATION OF EXISTING FIRE EXTINGUISHER
(FE)	LOCATION OF NEW FIRE EXTINGUISHER OR FIRE EXTINGUISHER CABINET
---	EGRESS TRAVEL PATH
100 OCC. REQ'D: 00.0' ACTUAL: 00.0'	# OF OCCUPANTS THAT WILL EGRESS: THROUGH DOOR REQ'D DOOR WIDTH ACTUAL DOOR WIDTH
+/- 100'	LOCATION OF / DISTANCE FROM FURTHEST EXIT
---	DESIGNATION OF BUILDING SEPARATION
---	2 HR FIRE WALL
---	2 HR FIRE BARRIER
---	1 HR FIRE BARRIER
---	1 HR FIRE PARTITION
---	1/2 HR FIRE PARTITION
---	SMOKE BARRIER

COLOR FILL LEGEND

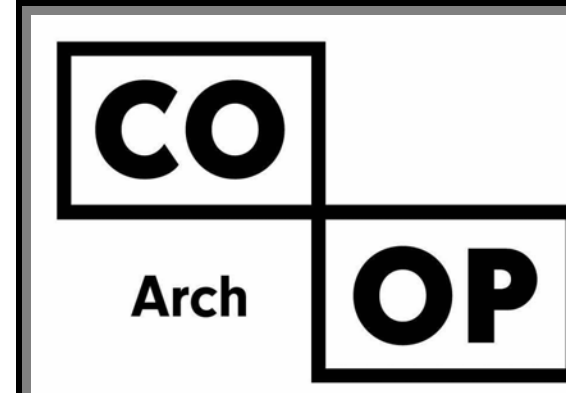
[Yellow]	LEVEL 3 ALTERATION
[Light Blue]	NEW ADDITION
[White]	EXISTING TO REMAIN



SECOND LEVEL - CODE PLAN
1" = 20'-0"

FIRST LEVEL - CODE PLAN
1" = 20'-0"

BUILDING CODE SUMMARY		
APPLICABLE CODES		
1. BUILDING CODE: 2021 INTERNATIONAL BUILDING CODE		
2. MECHANICAL CODE: 2018 INTERNATIONAL MECHANICAL CODE		
3. PLUMBING CODE: 2018 INTERNATIONAL PLUMBING CODE		
4. ELECTRICAL CODE: NATIONAL ELECTRICAL CODE 2014		
5. ENERGY CONSERVATION CODE: NOT REQUIRED		
6. FIRE CODE: FIRE CODE 2015 OF SOUTH DAKOTA		
7. ACCESSIBILITY: 2010 AMERICANS WITH DISABILITIES ACT		
USE AND OCCUPANCY CLASSIFICATION (CHAPTER 3)		
1. OCCUPANCY CLASSIFICATION: GROUP E		
2. ACCESSORY OCCUPANCIES: NONE		
3. MIXED OCCUPANCY: NONE		
4. OCCUPANCY SEPARATION: NONE		
5. HAZARDOUS AREAS: NONE		
6. INCIDENTAL USE AREAS:		
A. MECHANICAL ROOM(S): AUTOMATIC FIRE-EXTINGUISHING SYSTEM		
B. ELECTRICAL ROOM(S): AUTOMATIC FIRE-EXTINGUISHING SYSTEM		
C. STORAGE ROOMS OVER 100 SF: AUTOMATIC FIRE-EXTINGUISHING SYSTEM		
D. OTHER		
BUILDING LOCATION		
1. REFERENCE SITE & CODE PLAN		
• BUILDING 1: W/ EXCEEDS 30' CLEAR		
• EXCEEDS 30' CLEAR		
• EXCEEDS 30' CLEAR		
• EXCEEDS 30' CLEAR		
• EXCEEDS 30' CLEAR		
GENERAL BUILDING HEIGHTS & AREAS (CHAPTER 5)		
PARAMETER	MAX PERMITTED	PROPOSED
BUILDING AREA 1 (NO WORK) -TYPE VB		
ALLOWABLE BUILDING HEIGHT	60 FT	17'-6" (APPROX.)
# OF STORES ABOVE GRADE PLAN	2 STORIES	1 STORIES
SPRINKLER INCREASE		SPRINKLERED
ACTUAL AREA:		15,360 SF
BUILDING AREA 2 (NO WORK) -TYPE IIB		
ALLOWABLE BUILDING HEIGHT	75 FT	27'-0" (APPROX.)
# OF STORES ABOVE GRADE PLAN	3 STORIES	1 STORIES
SPRINKLER INCREASE		SPRINKLERED
ACTUAL AREA:		30,547 SF
BUILDING AREA 3 (LEVEL 3 ALTERATIONS) -TYPE IIB		
ALLOWABLE BUILDING HEIGHT	75 FT	33'-0" (APPROX.)
# OF STORES ABOVE GRADE PLAN	3 STORIES	2 STORIES
ALLOWABLE AREA FACTOR (A _a) =		SPRINKLERED
ACTUAL AREA:		13,014 SF
BUILDING AREA 4 (LEVEL 2 ALTERATIONS) -TYPE IIB		
ALLOWABLE BUILDING HEIGHT	55 FT	30'-0" (APPROX.)
# OF STORES ABOVE GRADE PLAN	2 STORIES	2 STORIES
ALLOWABLE AREA FACTOR (A _a) =		NON-SPRINKLERED
SPRINKLER INCREASE		NON-SPRINKLERED
MAXIMUM ALLOWABLE NON-SPRINKLERED AREA:		20,000 SF PER 50 EXCEPTION CODE
ACTUAL AREA:		18,529 SF
BUILDING AREA 5 (NO WORK) -TYPE IIB		
ALLOWABLE BUILDING HEIGHT	55 FT	30'-0" (APPROX.)
# OF STORES ABOVE GRADE PLAN	2 STORIES	1 STORIES
ALLOWABLE AREA FACTOR (A _a) =		14,500 SF
SPRINKLER INCREASE		NON-SPRINKLERED
MAXIMUM ALLOWABLE NON-SPRINKLERED AREA:		12,000 SF PER IBC 2021
ACTUAL AREA:		11,842 SF
BUILDING AREA 6 (ADDITION & LEVEL 3 ALTERATIONS) -TYPE IIB		
ALLOWABLE BUILDING HEIGHT	75 FT	17'-6" (APPROX.)
# OF STORES ABOVE GRADE PLAN	3 STORIES	1 STORIES
ALLOWABLE AREA FACTOR (A _a) =		14,500 SF
FRONTAGE INCREASE		(N) =
SPRINKLER INCREASE		NOT TAKEN
ACTUAL AREA:		NON-SPRINKLERED
MAX. FLOOR AREA:		14,500 SF / STORY
(A _a = 14,500 + (D X D))		0 SF
1ST FLOOR		8,409 SF
2ND FLOOR		0 SF
TOTAL		8,409 SF
TYPES OF CONSTRUCTION (CHAPTER 6)		
TYPE IIB CONSTRUCTION (NEW CONSTRUCTION ONLY)		
FIRE RESISTIVE RATING REQUIREMENTS FOR BUILDING ELEMENTS (TABLE 601 & 602):		
ELEMENT OF CONSTRUCTION		FIRE RESISTANCE RATING (HRS)
PRIMARY STRUCTURAL FRAME		0
BEARING WALLS (INTERIOR & EXTERIOR)		0
NONBEARING WALLS AND PARTITIONS		0
FLOOR CONSTRUCTION & SECONDARY MEMBERS		0
ROOF CONSTRUCTION & SECONDARY MEMBERS		0
FIRE AND SMOKE PROTECTION FEATURES (CHAPTER 7)		
1. FIRE WALLS (SECTION 706):		
A. NONE		
2. FIRE BARRIERS (SECTION 707):		
A. 2 HR AT BUILDING AREA SEPARATIONS (Fire barriers shall extend from the top of the foundation or floor/ceiling assembly below to the underside of the floor or roof sheathing, slab or deck above and shall be securely attached thereto. Such fire barriers shall be continuous through concealed space, such as the space above a suspended ceiling. Joists and voids at intersections shall comply with Sections 707.6 and 707.9 PER 707.5)		
3. FIRE PARTITION (SECTION 708):		
A. 1 HR AT CLASSROOM CORRIDORS (IN BUILDING AREAS W/O SPRINKLER SYSTEM ONLY)		
4. SMOKE BARRIER (SECTION 709): NONE		
5. SMOKE PARTITION (SECTION 710): NONE		
6. VERTICAL OPENINGS (SECTION 712): NONE		
7. SHAFT ENCLOSURES (SECTION 713): NONE		
8. OPENING PROTECTIVES (SECTION 716) - TO COMPLY WITH TABLES 716.3 & 716.5		
MEANS OF EGRESS (CHAPTER 10)		
1. MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT (TABLE 1004.1.2)		
A. ACCESSIBLE STORAGE AREAS, MECHANICAL EQUIPMENT: 300 SF/OCCUPANT GROSS		
B. ASSEMBLY W/ FIXED SEATS: # OF SEATS		
C. ASSEMBLY W/O FIXED SEATS, UNCONCENTRATED: 15 SF/OCCUPANT NET		
D. BUSINESS AREAS: 100 SF/OCCUPANT NET		
E. EDUCATIONAL, CLASSROOM: 20 SF/OCCUPANT NET		
F. EXERCISE ROOMS: 50 SF/OCCUPANT NET		
G. KITCHENS, COMMERCIAL: 200 SF/OCCUPANT GROSS		
H. LIBRARY, READING ROOMS: 50 SF/OCCUPANT NET		
I. LIBRARY, STACK AREA: 100 SF/OCCUPANT GROSS		
J. LOCKER ROOMS: 50 SF/OCCUPANT GROSS		
L. STAGES AND PLATFORMS: 15 SF/OCCUPANT NET		
2. CALCULATED OCCUPANT LOADS		
BUILDING AREA 1: 517 OCC.		
BUILDING AREA 2: 734 OCC.		
BUILDING AREA 3: 189 OCC.		
BUILDING AREA 4: 701 OCC.		
BUILDING AREA 5: 486 OCC.		
BUILDING AREA 6: 174 OCC.		
TOTAL BUILDING OCCUPANT LOAD: 2,801 OCC.		
3. EGRESS WIDTH PER OCCUPANT SERVED (SECTION 1005.1)		
A. STAIRWELLS: 0.2 INCHES/OCCUPANT		
B. OTHER EGRESS COMPONENTS:		
a. 0.15 INCHES/OCCUPANT IN SPRINKLERED AREAS		
b. 0.2 INCHES/OCCUPANT IN NON-SPRINKLERED AREAS		
C. EXIT STAIRWAYS - MINIMUM CLEAR WIDTH: 44" MIN.		
D. CORRIDORS - MINIMUM WIDTH:		
a. 72" (IN CORRIDOR HAVING AN OCCUPANT LOAD OF 100 OR MORE)		
b. 44" MINIMUM TYPICAL PER TABLE 1020.2 2021 IBC		
E. DOOR ENLARGEMENT:		
DOOR SWING DOES NOT REDUCE REQUIRED WIDTH BY MORE THAN 1/2		
FULLY OPEN DOES NOT PROJECT MORE THAN 7"		
4. EXIT REQUIREMENTS		
A. MAXIMUM TRAVEL DISTANCE:		
a. 200 FEET IN NON-SPRINKLERED AREAS		
b. 250 FEET IN SPRINKLERED AREAS		
B. MAXIMUM DEAD-END CORRIDOR LENGTH		
a. 20 FEET IN NON-SPRINKLERED AREAS		
b. 50 FEET IN SPRINKLERED AREAS		
C. COMMON PATH OF TRAVEL: 75 FEET		
5. MINIMUM NUMBER OF EXITS		
A. 4 PER STORY (SEE TABLE 1006.3.3)		
MINIMUM OF 4 EXITS FOR OCCUPANCY LOAD PER STORY OF 1,000		
6. ACCESSIBLE MEANS OF EGRESS		
ACCESSIBILITY (CHAPTER 11)		
1. ACCESSIBLE ELEMENTS HAVE BEEN INCORPORATED INTO THE DOCUMENTS		
PLUMBING CALCULATIONS (CHAPTER 29)		
PER IBC 2021 1009.1 INCREASED DEMAND; DIFFERENT PLUMBING FIXTURE REQUIREMENTS NOT NEEDED PER EXCEPTION BELOW.		
- ONLY WHERE THE OCCUPANT LOAD OF THE STORY IS INCREASED BY MORE THAN 20 PERCENT, PLUMBING FIXTURES FOR THE STORY SHALL BE PROVIDED IN QUANTITIES IN THE INTERNATIONAL PLUMBING CODE BASED ON THE INCREASED OCCUPANT LOAD.		



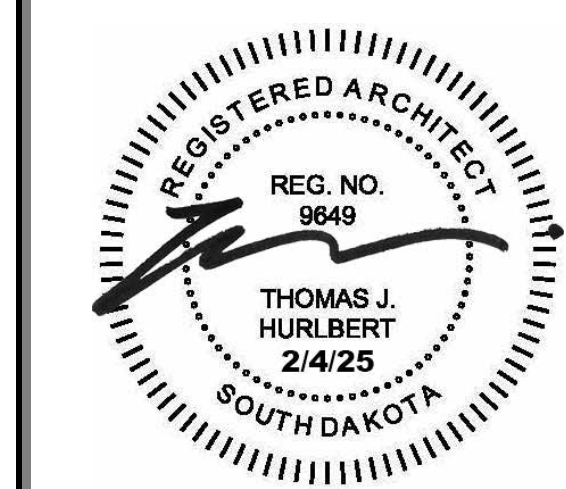
1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

600 Kansas City St. 1
Rapid City, SD 57701
Phone: 605-716-3652

440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

co-oparch.com

CO-OP PROJECT NO: 2447



ISSUE: 2/4/2025 100% CONSTRUCTION DOCUMENTS

REVISION SCHEDULE:	REV. #	REV. DSC.	REV. DATE

PROJECT: FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

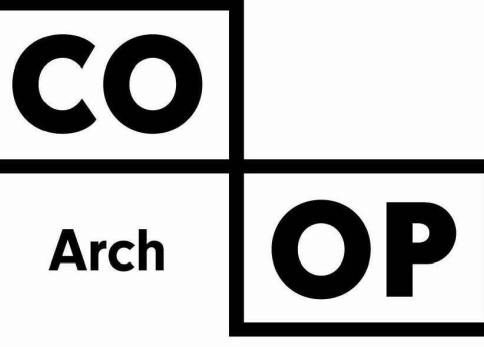
SHEET TITLE: GENERAL NOTES, CODE & ORIENTATION PLAN

G001

UTILITY NOTE

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THIS TOPOGRAPHIC SURVEY ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES AND SD ONE CALL.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY IN THE FIELD, THE LOCATIONS OF EXISTING WATER MAINS, WATER SERVICES, SEWER MAINS AND SEWER SERVICES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PRESERVING ALL EXISTING UTILITIES IN THEIR PRESENT CONDITION. EXISTING UTILITIES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY AND ARE TO BE LOCATED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.

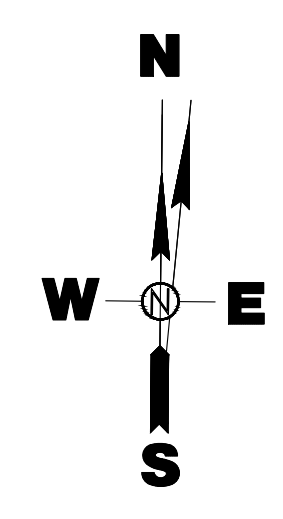
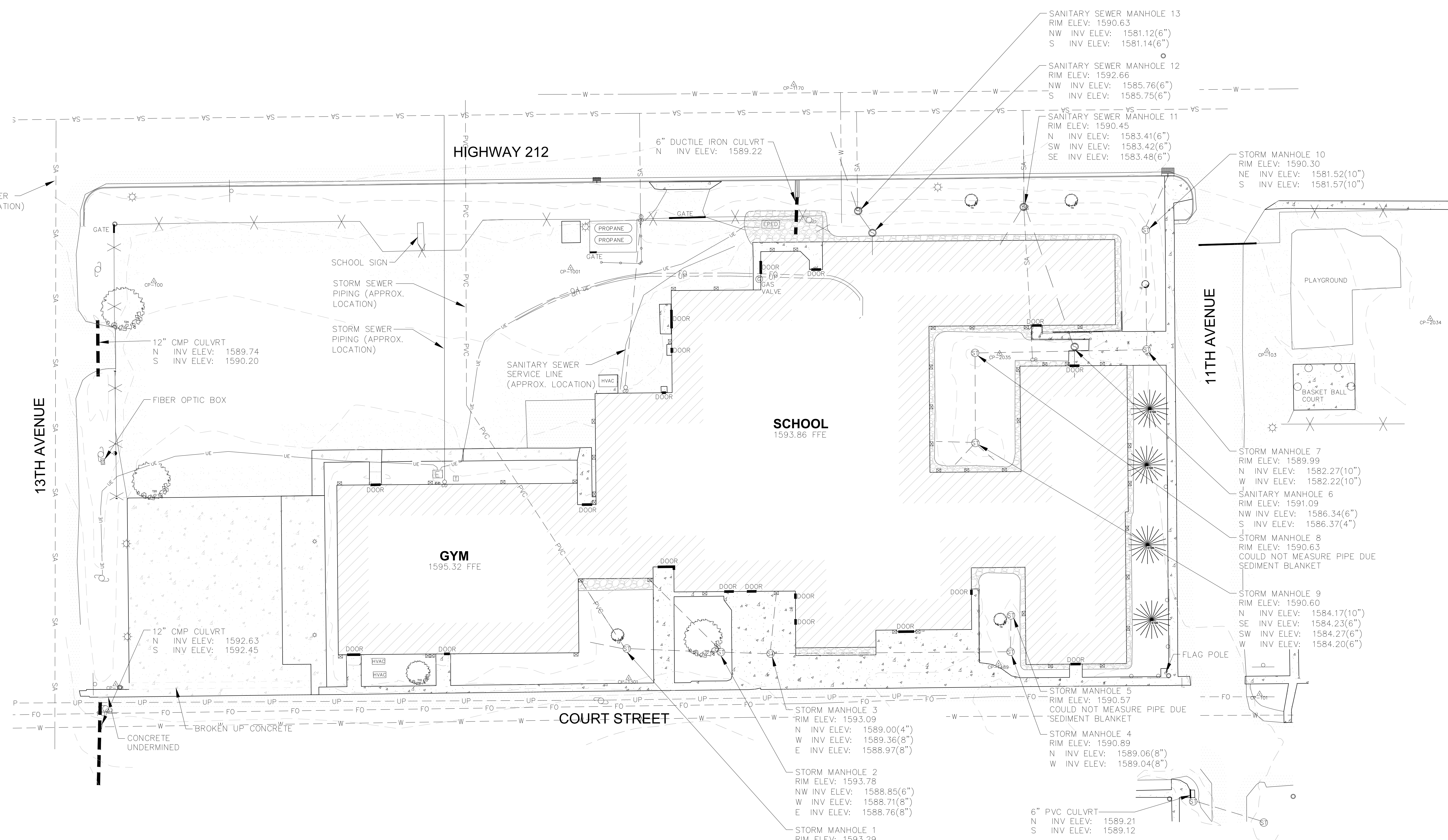


1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

601 Kansas City St. 7
Rapid City, SD 57701
Phone: 605-716-3652

300 N. Phillips Ave. 120
Sioux Falls, SD 57104
Phone: 605-334-9999

co-oparch.com



SCALE
11x17 1"=60'
24x36 1"=30'

TOPO LEGEND

- SANITARY SEWER MANHOLE
- CLEAN OUT
- STORM SEWER MANHOLE
- STORM SEWER INLET
- SURVEY CONTROL POINT
- TELEPHONE PEDESTAL
- ELECTRICAL PEDESTAL
- SIGN
- DOWN SPOUT
- CONTROL POINTS
- PROPANE TANK
- HVAC BOX
- LIGHT POLE
- POWER POLE
- 8" PVC SANITARY SEWER PIPE
- CURB AND GUTTER
- UNDER GROUND ELECTRICAL
- FENCE
- EXISTING BUILDING
- CONCRETE SURFACING
- ASPHALT SURFACING
- OVER SIZE ROCK SURFACING
- GRAVEL SURFACING
- DT12 DECIDUOUS TREE WITH SIZE IN INCHES
- DT24 EVERGREEN TREE WITH SIZE IN INCHES

CO-OP PROJECT NO:



ISSUE:
2/4/25 100% CD'S

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

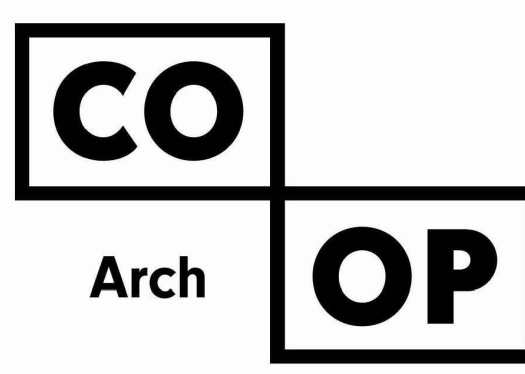
PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
FAULKTON SCHOOL
TOPOGRAPHIC SURVEY

UTILITY NOTE

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THIS TOPOGRAPHIC SURVEY ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES AND SD ONE CALL.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY IN THE FIELD, THE LOCATIONS OF EXISTING WATER MAINS, WATER SERVICES, SEWER MAINS AND SEWER SERVICES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PRESERVING ALL EXISTING UTILITIES IN THEIR PRESENT CONDITION. EXISTING UTILITIES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY AND ARE TO BE LOCATED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.

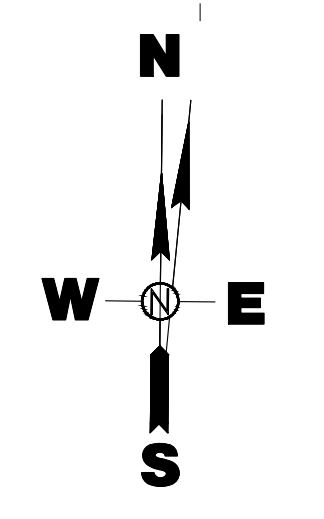
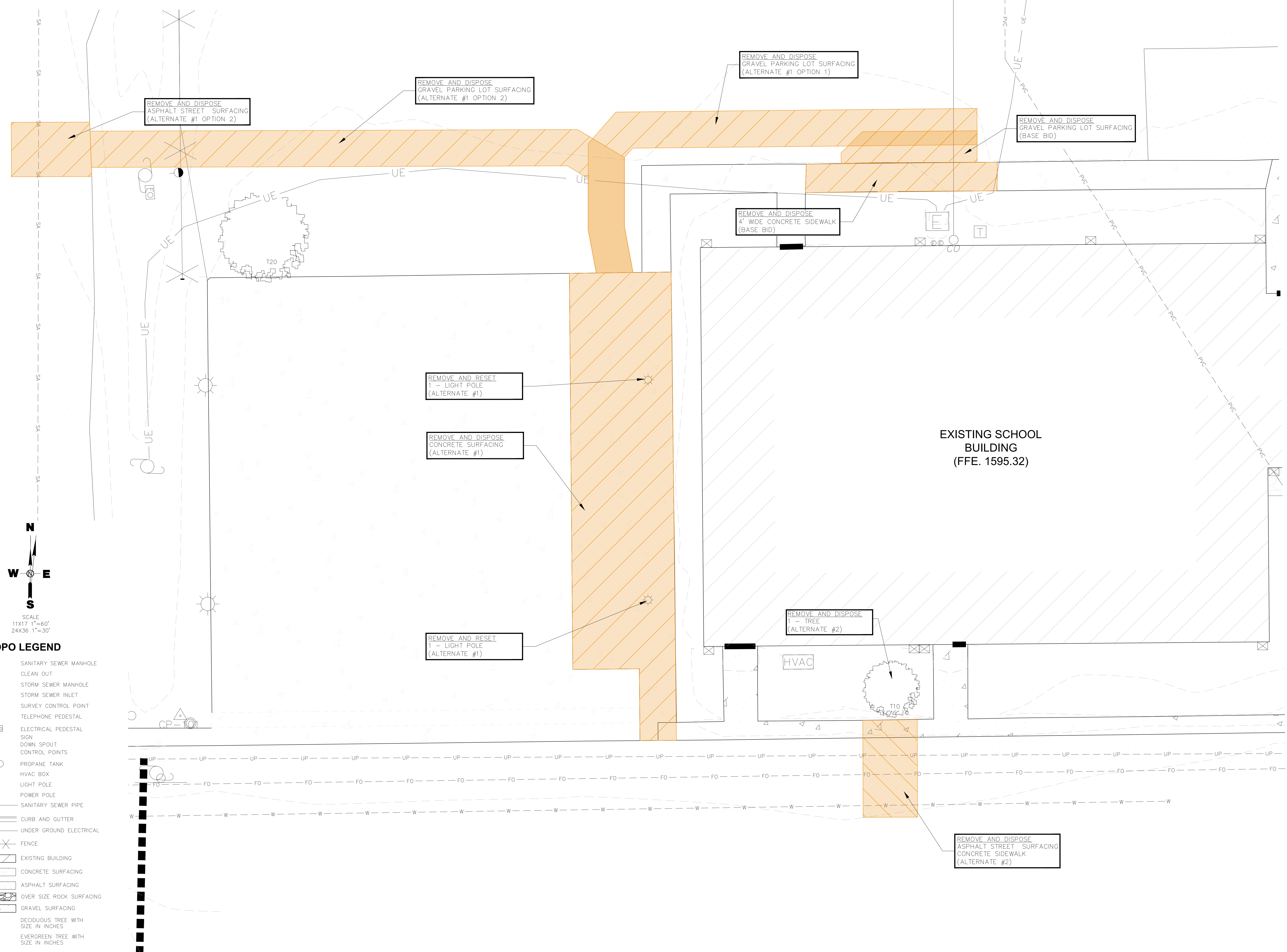


1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

601 Kansas City St. 7
Rapid City, SD 57701
Phone: 605-716-3652

300 N. Phillips Ave. 120
Sioux Falls, SD 57104
Phone: 605-334-9999

co-oparch.com



- TOPO LEGEND**
- SANITARY SEWER MANHOLE
 - CLEAN OUT
 - STORM SEWER MANHOLE
 - STORM SEWER INLET
 - SURVEY CONTROL POINT
 - TELEPHONE PEDESTAL
 - ELECTRICAL PEDESTAL
 - SIGN
 - DOWN SPOUT
 - CONTROL POINTS
 - PROPANE TANK
 - HVAC BOX
 - LIGHT POLE
 - POWER POLE
 - 8" PVC SANITARY SEWER PIPE
 - CURB AND GUTTER
 - UNDER GROUND ELECTRICAL
 - FENCE
 - EXISTING BUILDING
 - CONCRETE SURFACING
 - ASPHALT SURFACING
 - OVER SIZE ROCK SURFACING
 - GRAVEL SURFACING
 - DT12 DECIDUOUS TREE WITH SIZE IN INCHES
 - DT24 EVERGREEN TREE WITH SIZE IN INCHES

CO-OP PROJECT NO: 2104



ISSUE:
2/4/25 100% CD'S

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
FAULKTON SCHOOL
REMOVALS PLAN



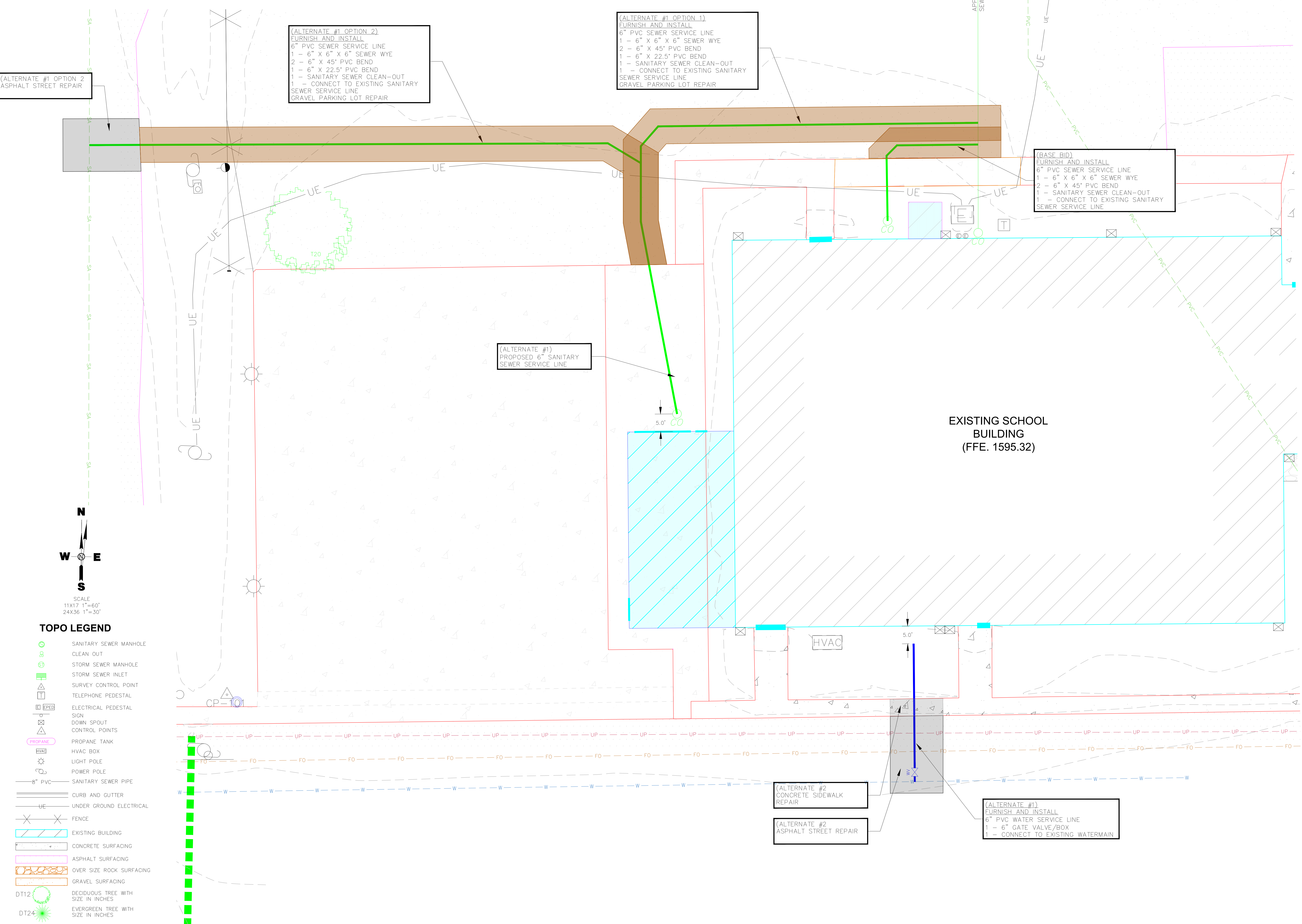
ISSUE: 2/4/25 100% CD'S

REVISION SCHEDULE:

REV. #	REV. DSC.	REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

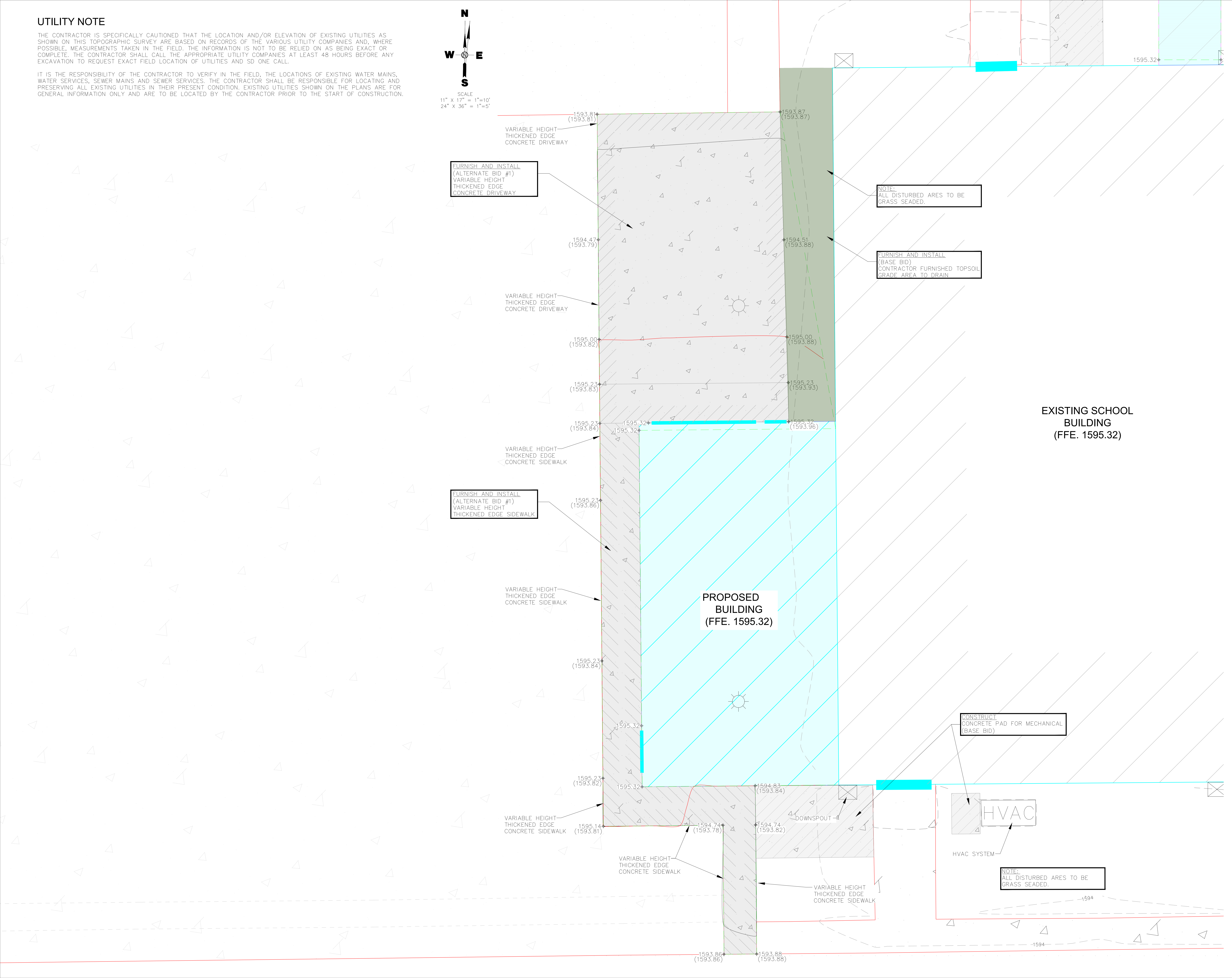
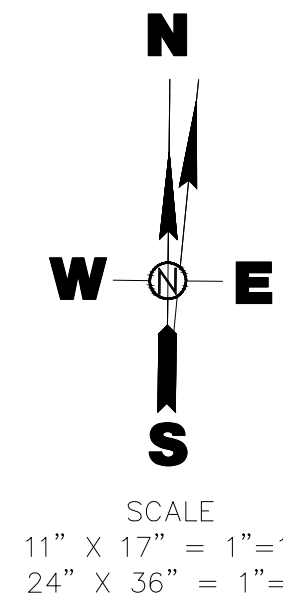
SHEET TITLE:
FAULKTON SCHOOL
UTILITY PLAN



UTILITY NOTE

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THIS TOPOGRAPHIC SURVEY ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES AND SD ONE CALL.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY IN THE FIELD, THE LOCATIONS OF EXISTING WATER MAINS, WATER SERVICES, SEWER MAINS AND SEWER SERVICES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PRESERVING ALL EXISTING UTILITIES IN THEIR PRESENT CONDITION. EXISTING UTILITIES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY AND ARE TO BE LOCATED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.



FURNISH AND INSTALL (ALTERNATE BID #1) VARIABLE HEIGHT THICKENED EDGE CONCRETE DRIVEWAY

NOTE: ALL DISTURBED AREAS TO BE GRASS SEADED.

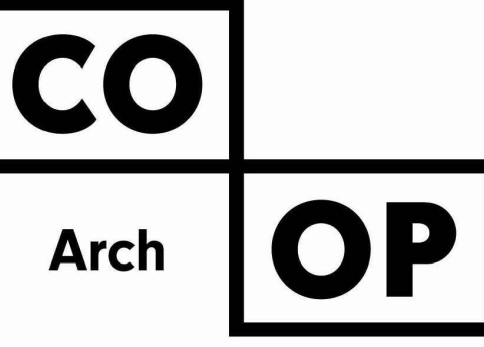
FURNISH AND INSTALL (BASE BID) CONTRACTOR FURNISHED TOPSOIL GRADE AREA TO DRAIN

FURNISH AND INSTALL (ALTERNATE BID #1) VARIABLE HEIGHT THICKENED EDGE SIDEWALK

CONSTRUCT CONCRETE PAD FOR MECHANICAL (BASE BID)

HVAC

NOTE: ALL DISTURBED AREAS TO BE GRASS SEADED.

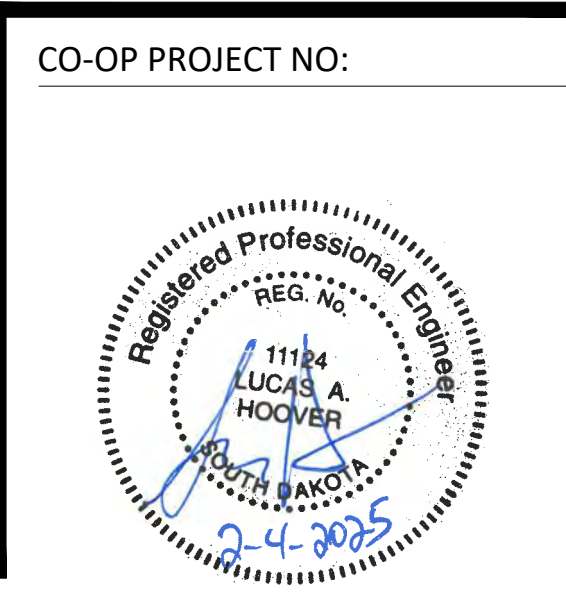


1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

601 Kansas City St. 7
Rapid City, SD 57701
Phone: 605-716-3652

300 N. Phillips Ave. 120
Sioux Falls, SD 57104
Phone: 605-334-9999

co-oparch.com



ISSUE:

2/4/25 100% CD'S

REVISION SCHEDULE:

REV. #	REV. DSC.	REV. DATE

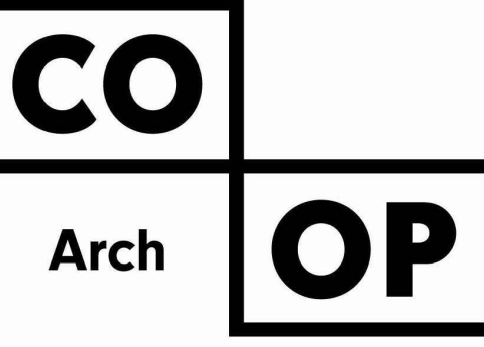
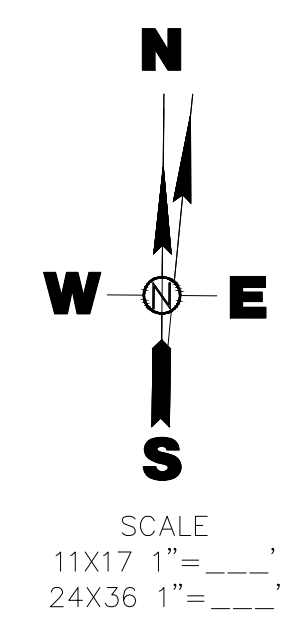
PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
FAULKTON SCHOOL
GRADING PLAN

UTILITY NOTE

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THIS TOPOGRAPHIC SURVEY ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES AND SD ONE CALL.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY IN THE FIELD, THE LOCATIONS OF EXISTING WATER MAINS, WATER SERVICES, SEWER MAINS AND SEWER SERVICES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PRESERVING ALL EXISTING UTILITIES IN THEIR PRESENT CONDITION. EXISTING UTILITIES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY AND ARE TO BE LOCATED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.

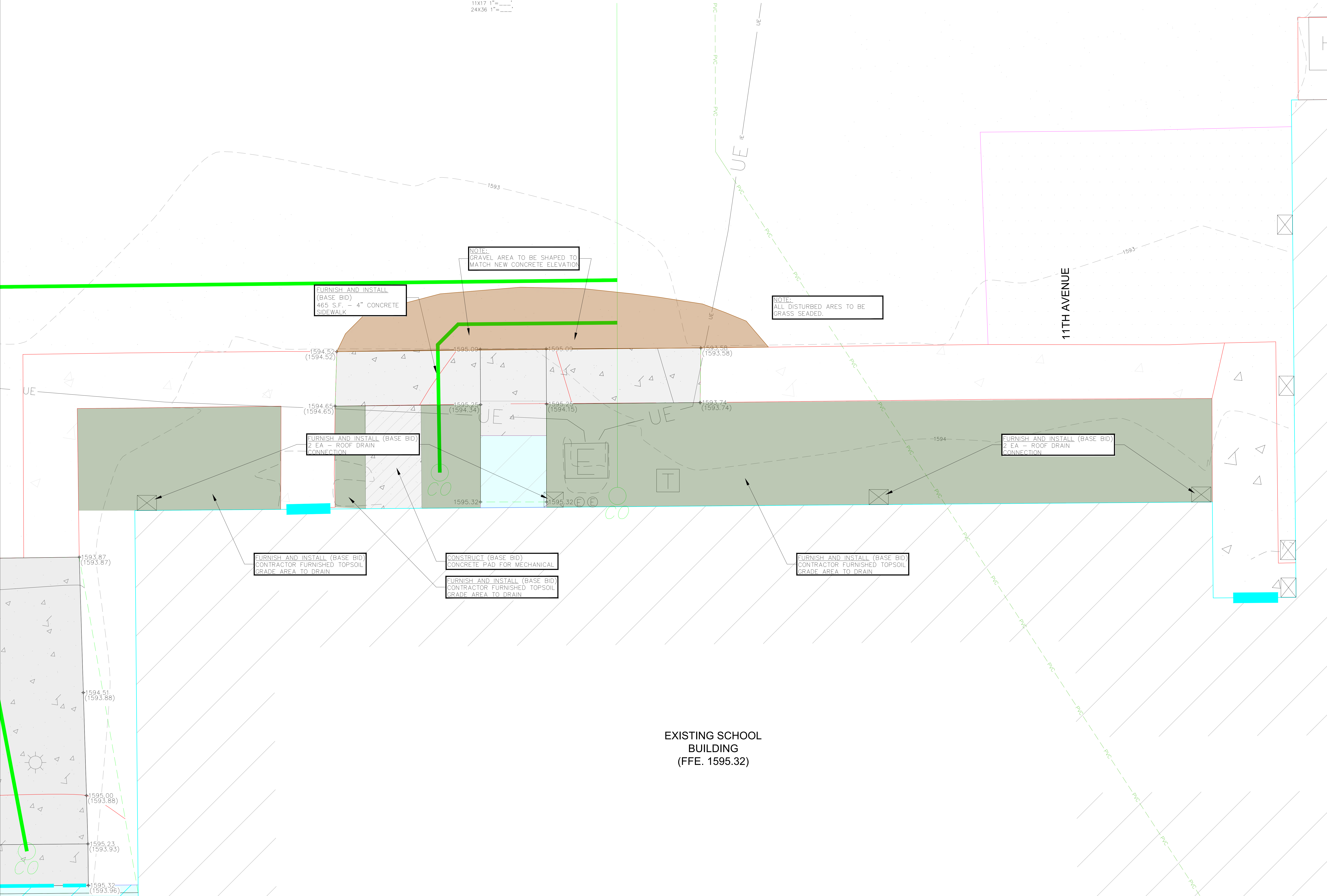


1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

601 Kansas City St. 7
Rapid City, SD 57701
Phone: 605-716-3652

300 N. Phillips Ave. 120
Sioux Falls, SD 57104
Phone: 605-334-9999

co-oparch.com



EXISTING SCHOOL
BUILDING
(FFE. 1595.32)

CO-OP PROJECT NO:



ISSUE:
2/4/25 100% CD'S

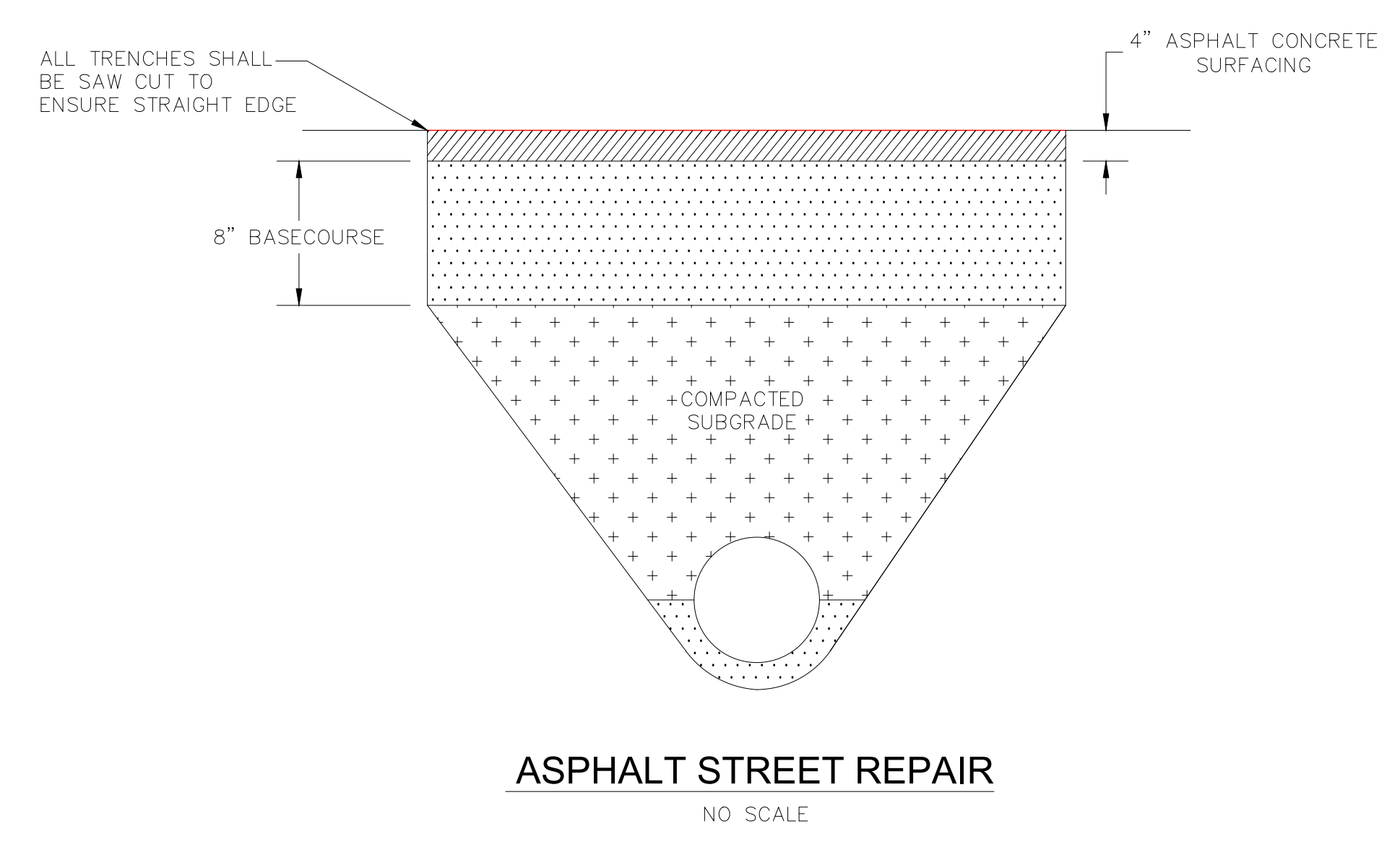
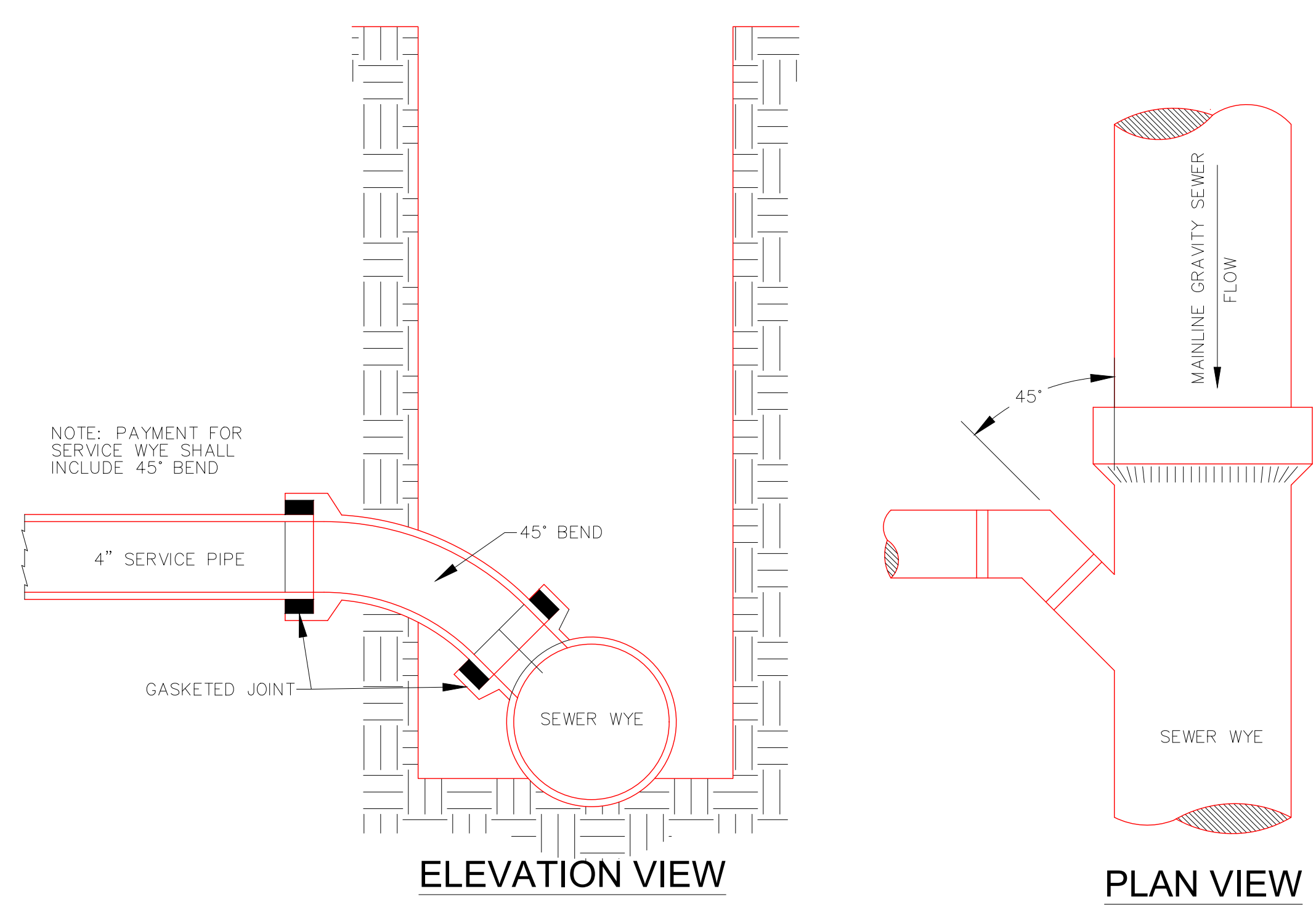
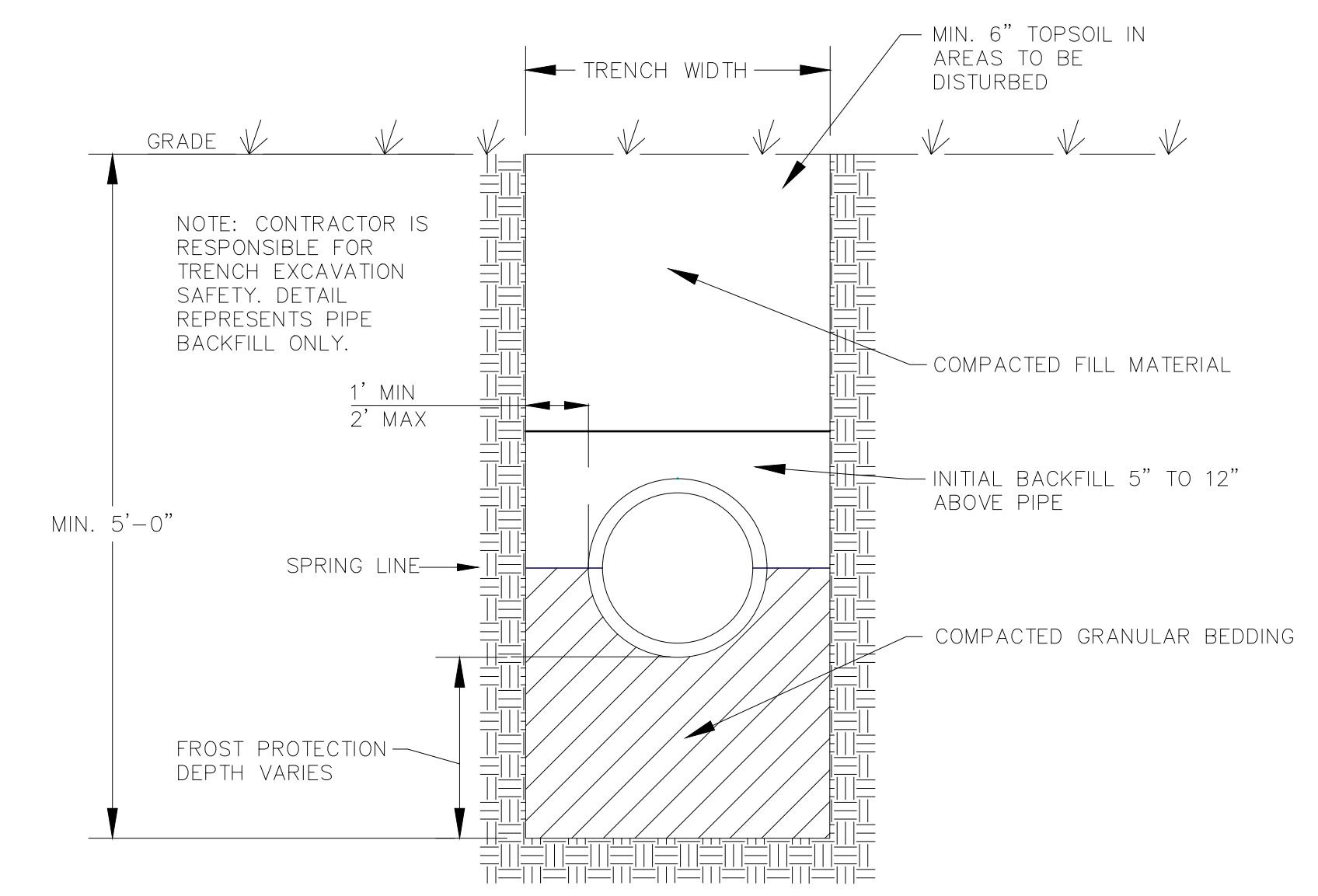
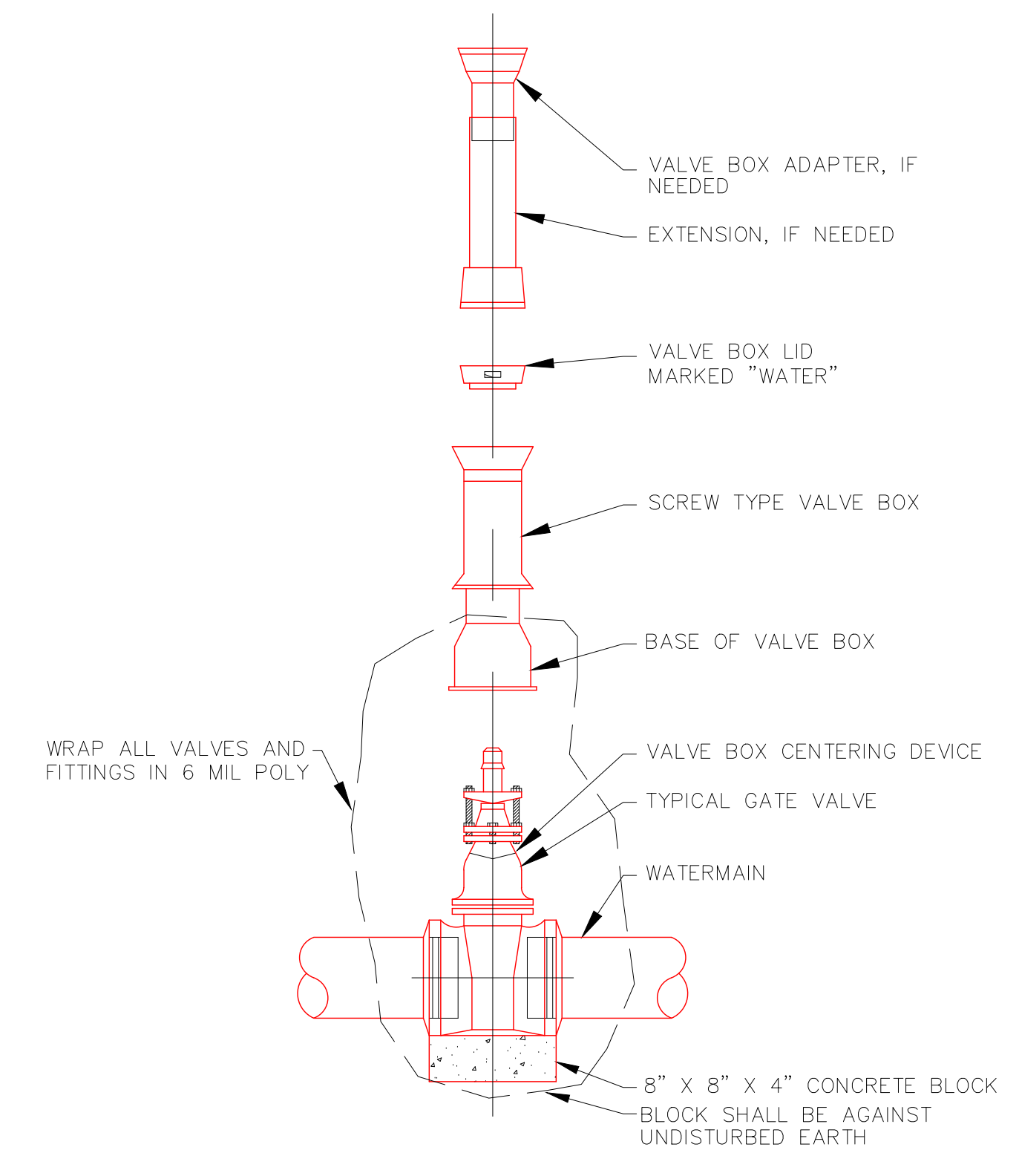
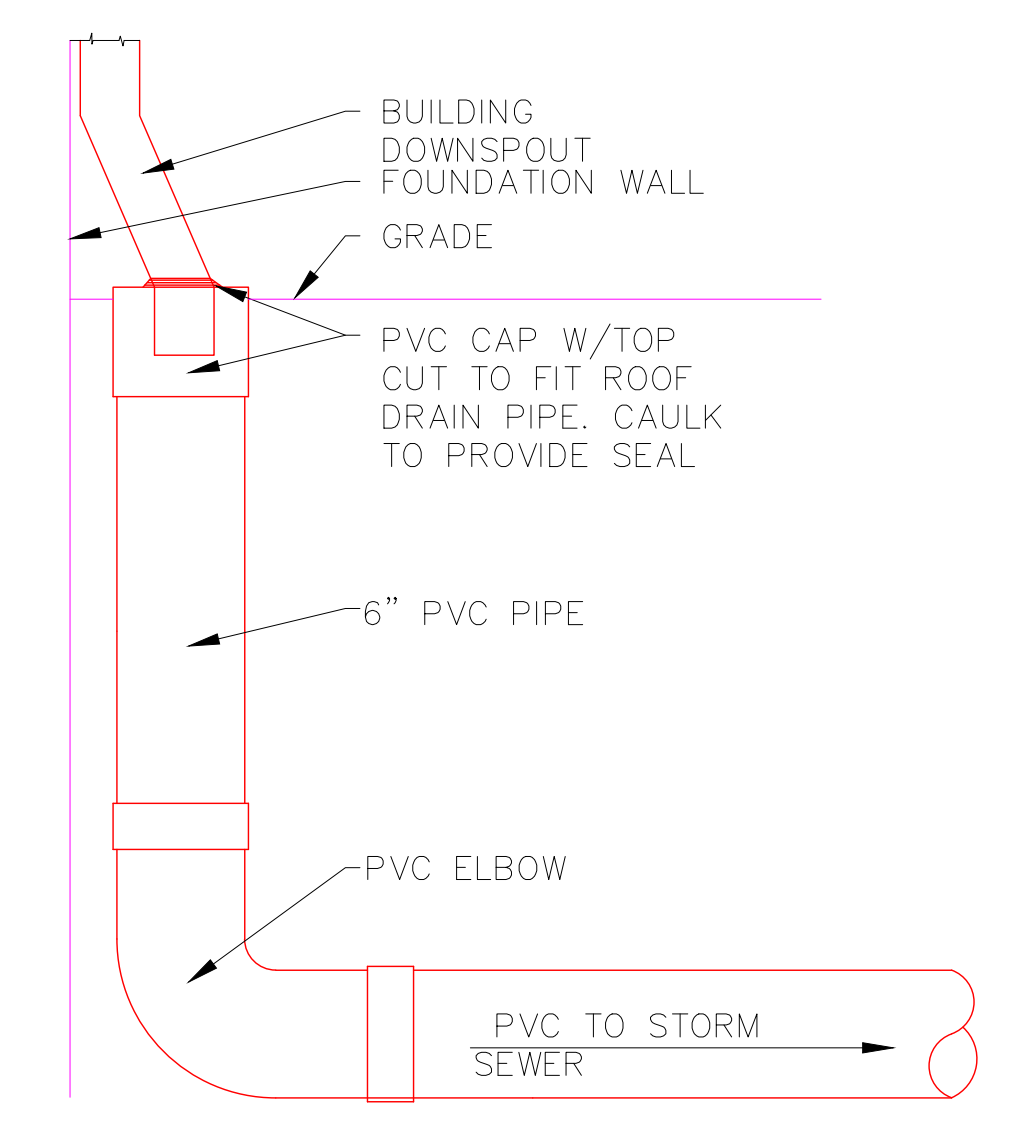
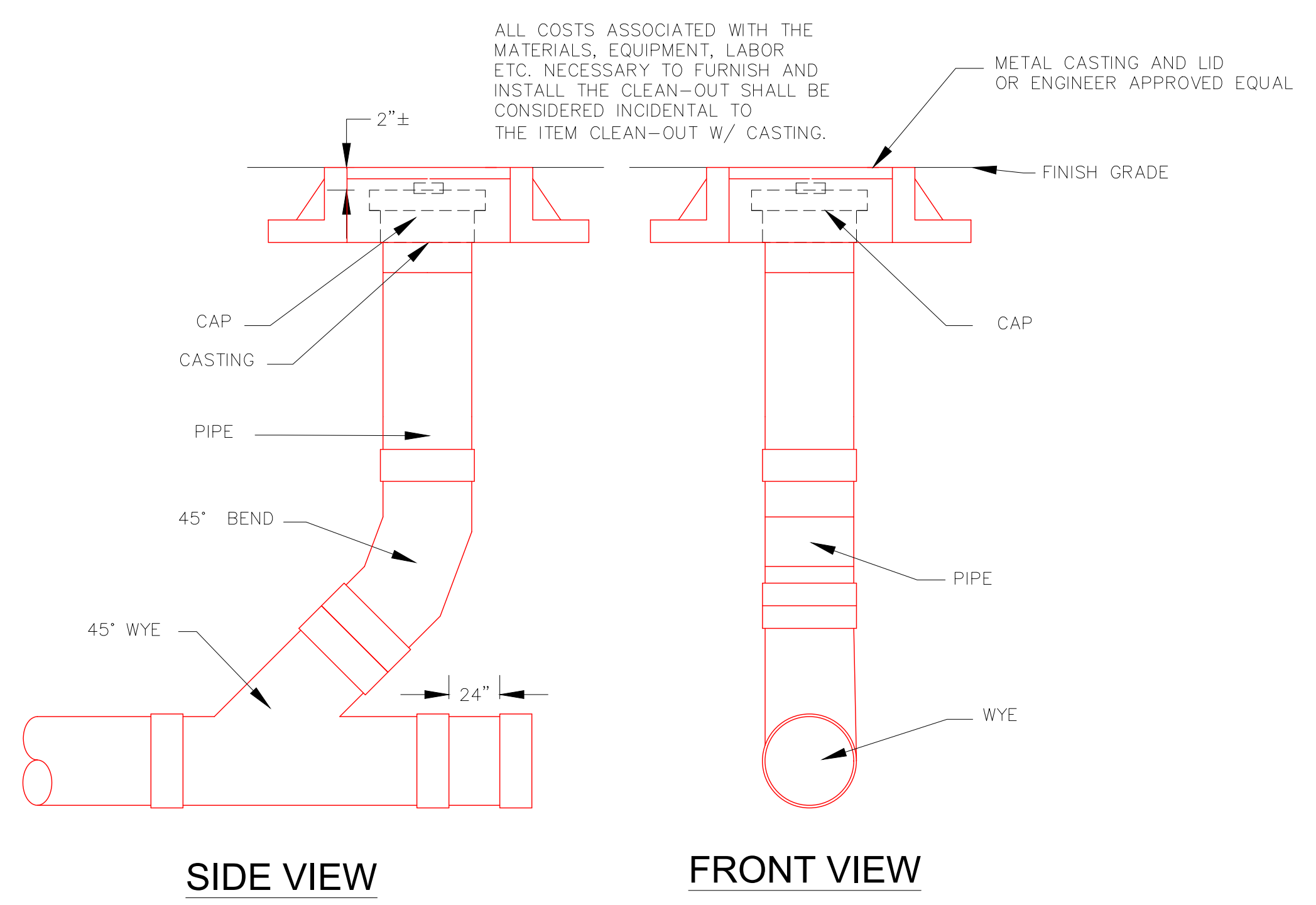
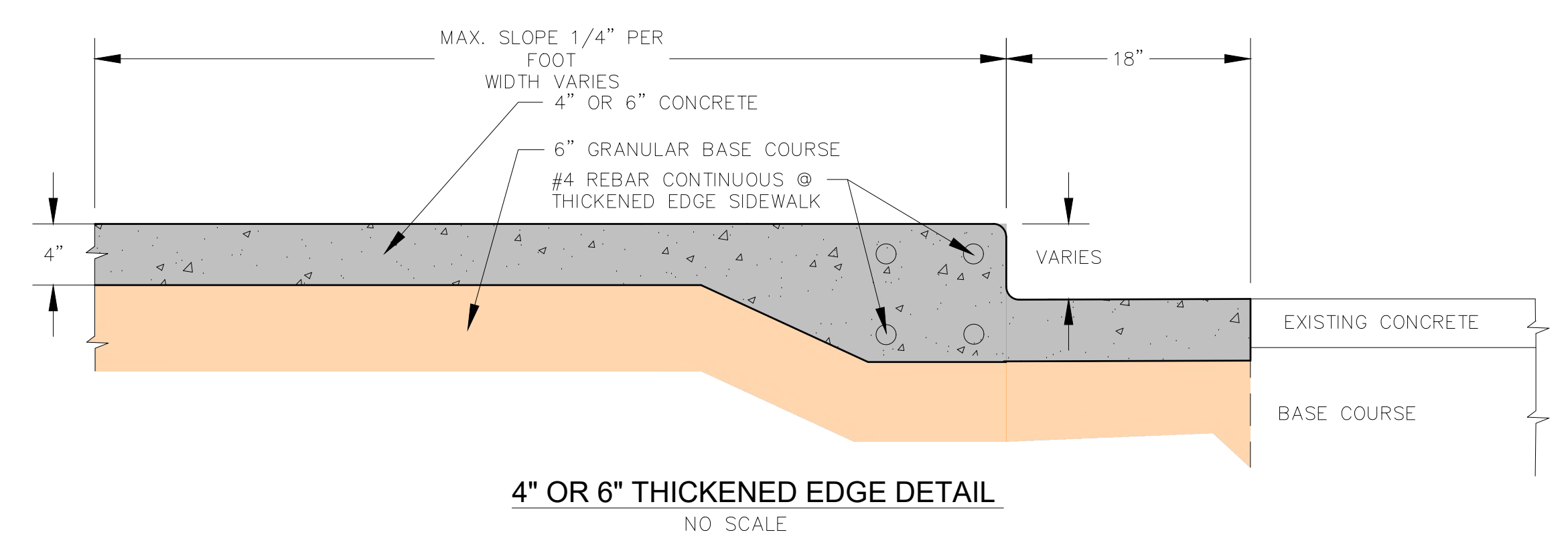
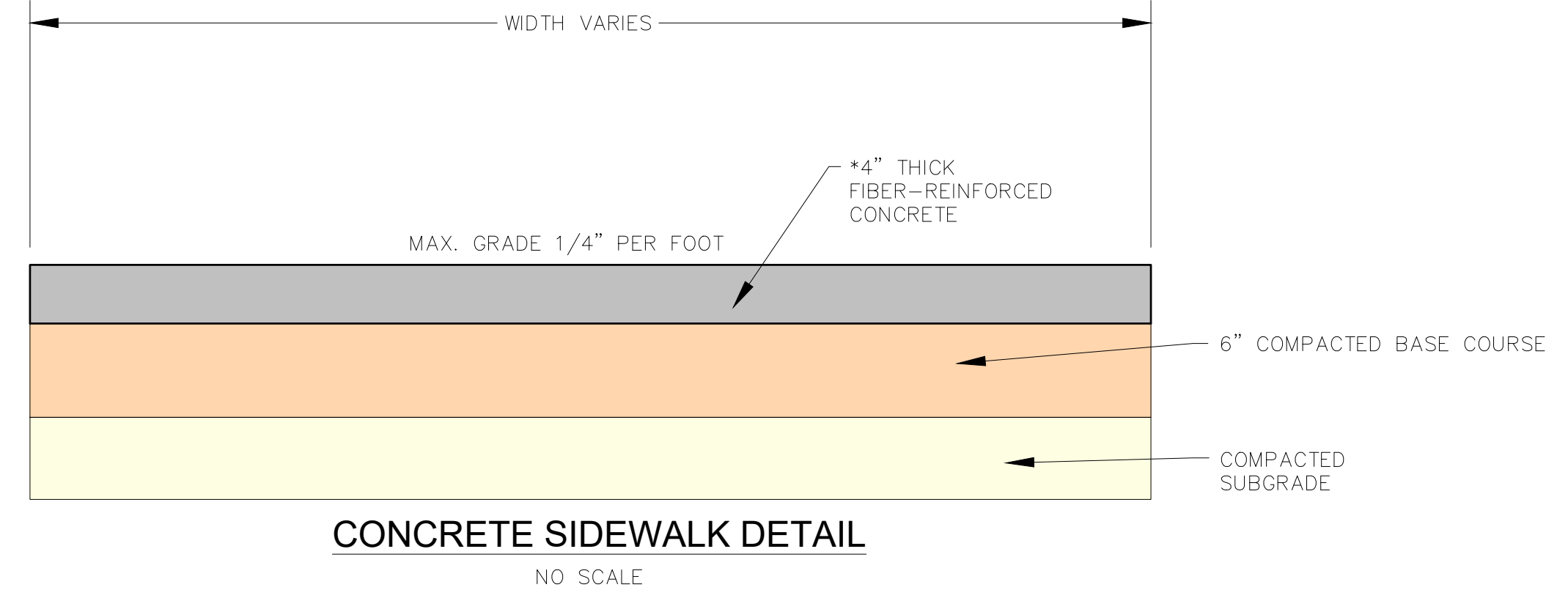
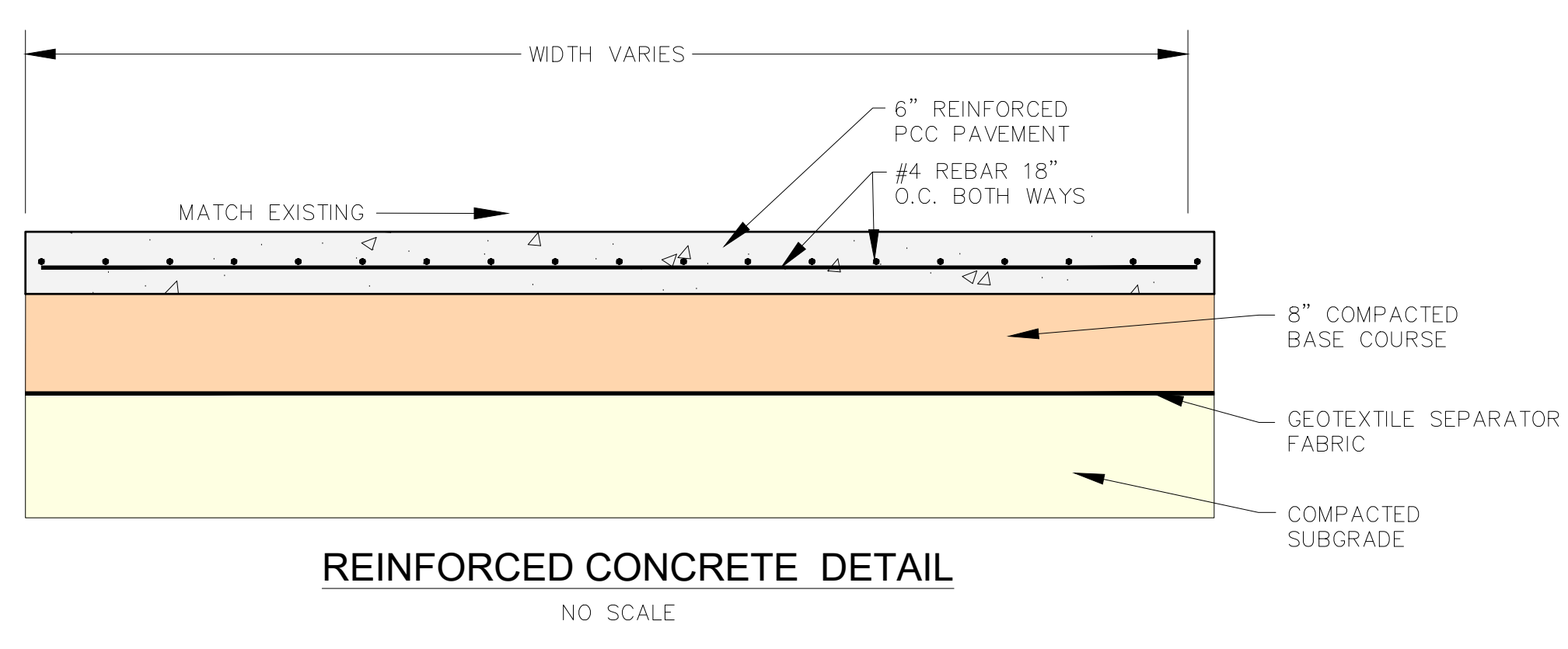
REVISION SCHEDULE:

REV. #	REV. DSC.	REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
FAULKTON SCHOOL
GRADING SHEET

C-5



CO-OP PROJECT NO: 2104



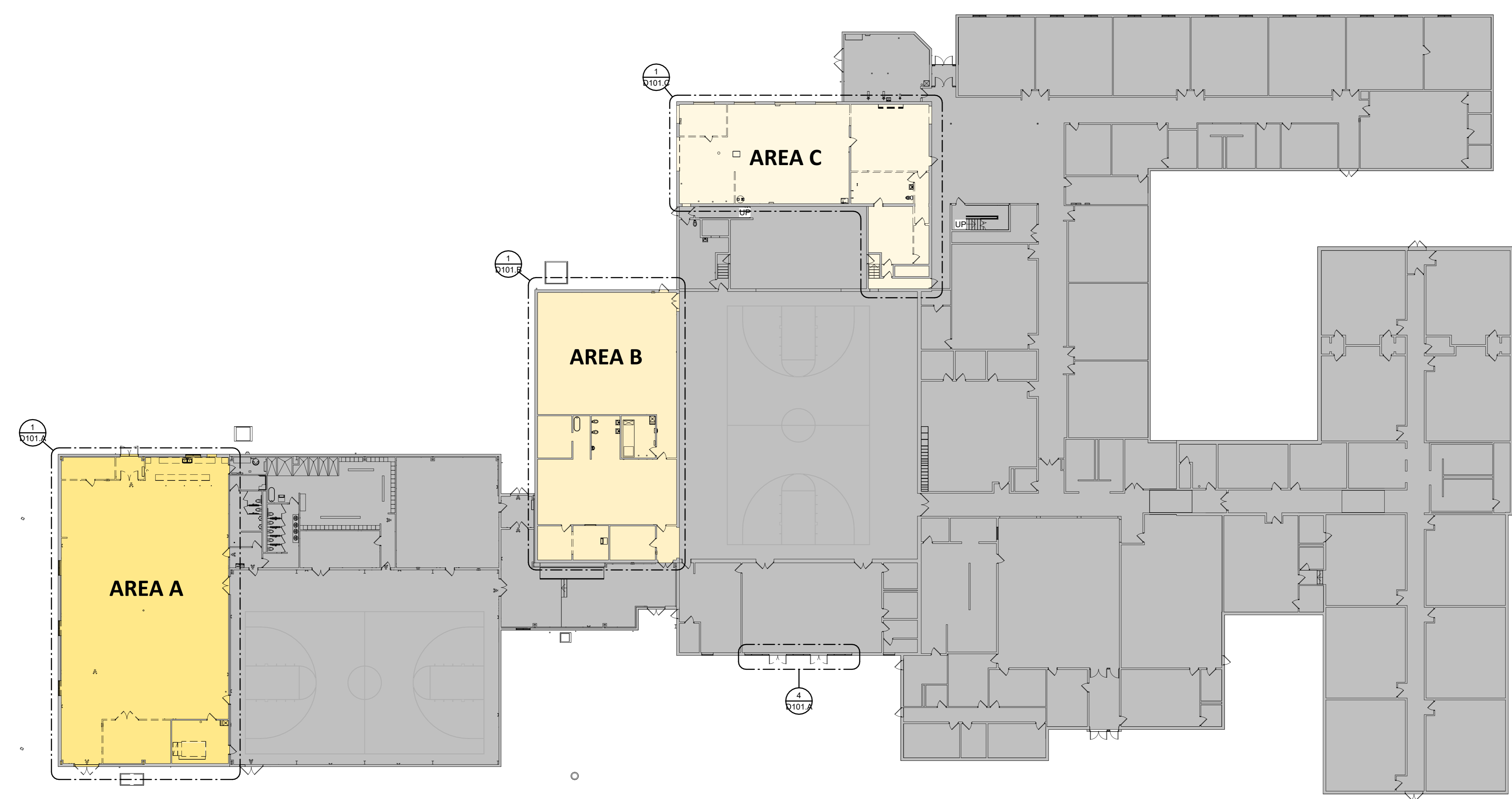
ISSUE:
2/4/25 100% CD'S

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

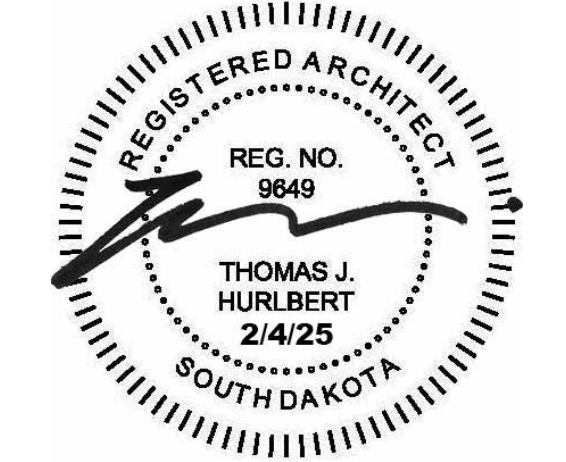
SHEET TITLE:
FAULKTON SCHOOL
DETAILS SHEET

- GENERAL NOTES**
- DEMOLITION SHALL INCLUDE ALL ITEMS KEYNOTED ON DEMOLITION SHEETS, BUT ARE NOT LIMITED TO THESE ITEMS. CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION NECESSARY TO ALLOW FOR COMPLETION OF THE WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS.
 - AT FLOOR PLANS DASHED LINES INDICATE WALLS OR PORTIONS OF WALLS TO BE DEMOLISHED. ALL SHADED WALLS REPRESENT EXISTING WALLS TO REMAIN.
 - DEMOLITION OF WALLS INCLUDE ALL ITEMS ATTACHED TO THE WALL AND ELECTRICAL AND COMMUNICATIONS THEREIN, UNLESS OTHERWISE NOTED TO BE SALVAGED.
 - DEMOLITION DRAWINGS HAVE BEEN DEVELOPED FROM EXISTING DRAWINGS AND SITE VERIFICATIONS THAT MAY NOT REFLECT ACTUAL FIELD CONDITIONS. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND COORDINATE SCOPE WITH EACH DISCIPLINE. CONTACT ARCHITECT IMMEDIATELY WITH ANY DISCREPANCIES.
 - CONTRACTOR TO PROTECT EXISTING MATERIALS/SPACES WHICH ARE TO REMAIN OR BE REUSED. ALL SURFACES DAMAGED DURING DEMOLITION SHALL BE REPAIRED FOR APPLICATION OF NEW FINISHES OR REPAIRED TO MATCH EXISTING. ALL INDEPENDENT TRADES ARE RESPONSIBLE FOR THEIR OWN PATCHING.
 - REFER TO CIVIL, MECHANICAL, ELECTRICAL, AND STRUCTURAL FOR ADDITIONAL INFORMATION RELEVANT TO DEMOLITION & PATCHING.
 - BRACE ALL EXISTING STRUCTURES / STRUCTURAL ELEMENTS AS NECESSARY DURING DEMOLITION.
 - REMOVE EXISTING CONCRETE SLAB AS NECESSARY TO ALLOW FOR COMPLETION OF THE WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS. DEMOLITION OF THE FLOOR SLAB SHALL INCLUDE, BUT MAY NOT BE LIMITED TO THE DIAGONAL HATCHED AREAS. COORDINATE W/ PLUMBING CONTRACTOR.
 - REMOVE EXISTING ROOF MEMBRANE / INSULATION AS NECESSARY TO ALLOW FOR COMPLETION OF THE WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS. COORDINATE W/ MECHANICAL CONTRACTOR. PATCH ROOF IN A MANNER TO MAINTAIN EXISTING ROOF WARRANTY.
 - COORDINATE WITH OWNER ANY DEMO ITEMS TO BE SALVAGED FOR THE OWNER'S REUSE.
 - IN ACCORDANCE WITH STATE REGULATIONS, ALL PUBLIC AND COMMERCIAL BUILDINGS, REGARDLESS OF AGE OR CONSTRUCTION TYPE, MUST BE INSPECTED FOR ASBESTOS BEFORE ANY RENOVATION OR DEMOLITION BEGINS. THE CONTRACTOR SHALL CONTACT THE SD DANR AND COMPLY WITH APPLICABLE ASBESTOS GUIDELINES IMMEDIATELY AFTER RECEIPT OF NOTICE TO PROCEED. CONTACT SD DANR AT 605-773-5559 OR REFERENCE SDANR ASBESTOS INFORMATION BROCHURE TO REVIEW GUIDELINES AND REQUIREMENTS. ANY REMOVAL AND REMEDIATION WILL BE RESPONSIBILITY OF THE OWNER PRE GENERAL CONDITIONS 10.3.



OVERALL DEMOLITION - FIRST LEVEL
3/64" = 1'-0"

CO-OP PROJECT NO: 2447



ISSUE:
2/4/2025 100% CONSTRUCTION DOCUMENTS

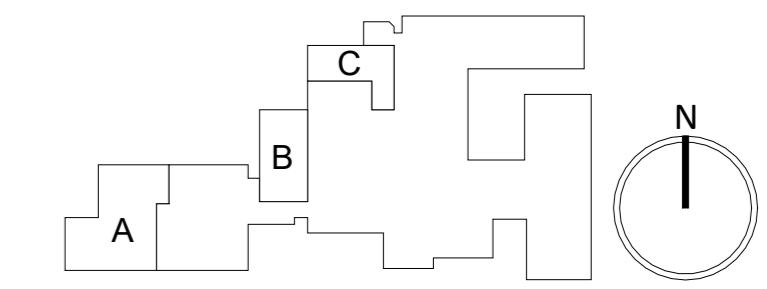
REVISION SCHEDULE:

REV. #	REV. DSC.	REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
DEMOLITION PLANS - FIRST LEVEL
- OVERALL

D100



- ### GENERAL NOTES
- DEMOLITION SHALL INCLUDE ALL ITEMS KEYNOTED ON DEMOLITION SHEETS, BUT ARE NOT LIMITED TO THESE ITEMS. CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION NECESSARY TO ALLOW FOR COMPLETION OF THE WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS.
 - AT FLOOR PLANS DASHED LINES INDICATE WALLS OR PORTIONS OF WALLS TO BE DEMOLISHED. ALL SHADED WALLS REPRESENT EXISTING WALLS TO REMAIN.
 - DEMOLITION OF WALLS INCLUDE ALL ITEMS ATTACHED TO THE WALL AND ELECTRICAL AND COMMUNICATIONS THEREIN, UNLESS OTHERWISE NOTED TO BE SALVAGED.
 - DEMOLITION DRAWINGS HAVE BEEN DEVELOPED FROM EXISTING DRAWINGS AND SITE VERIFICATIONS THAT MAY NOT REFLECT ACTUAL FIELD CONDITIONS. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND COORDINATE SCOPE WITH EACH DISCIPLINE. CONTACT ARCHITECT IMMEDIATELY WITH ANY DISCREPANCIES.
 - CONTRACTOR TO PROTECT EXISTING MATERIALS/SPACES WHICH ARE TO REMAIN OR BE REUSED. ALL SURFACES DAMAGED DURING DEMOLITION SHALL BE REPAIRED FOR APPLICATION OF NEW FINISHES OR REPAIRED TO MATCH EXISTING. ALL INDEPENDENT TRADES ARE RESPONSIBLE FOR THEIR OWN PATCHING.
 - REFER TO CIVIL, MECHANICAL, ELECTRICAL, AND STRUCTURAL FOR ADDITIONAL INFORMATION RELEVANT TO DEMOLITION & PATCHING.
 - BRACE ALL EXISTING STRUCTURES / STRUCTURAL ELEMENTS AS NECESSARY DURING DEMOLITION.
 - REMOVE EXISTING CONCRETE SLAB AS NECESSARY TO ALLOW FOR COMPLETION OF THE WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS. DEMOLITION OF THE FLOOR SLAB SHALL INCLUDE, BUT MAY NOT BE LIMITED TO THE DIAGONAL HATCHED AREAS. COORDINATE W/ PLUMBING CONTRACTOR.
 - REMOVE EXISTING ROOF MEMBRANE / INSULATION AS NECESSARY TO ALLOW FOR COMPLETION OF THE WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS. COORDINATE W/ MECHANICAL CONTRACTOR. PATCH ROOF IN A MANNER TO MAINTAIN EXISTING ROOF WARRANTY.
 - COORDINATE WITH OWNER ANY DEMO ITEMS TO BE SALVAGED FOR THE OWNERS REUSE.
 - IN ACCORDANCE WITH STATE REGULATIONS, ALL PUBLIC AND COMMERCIAL BUILDINGS, REGARDLESS OF AGE OR CONSTRUCTION TYPE, MUST BE INSPECTED FOR ASBESTOS BEFORE ANY RENOVATION OR DEMOLITION BEGINS. THE CONTRACTOR SHALL CONTACT THE SD DANR AND COMPLY WITH APPLICABLE ASBESTOS GUIDELINES IMMEDIATELY AFTER RECEIPT OF NOTICE TO PROCEED. CONTACT SD DANR AT 605-773-5559 OR REFERENCE SD DANR ASBESTOS INFORMATION BROCHURE TO REVIEW GUIDELINES AND REQUIREMENTS. ANY REMOVAL AND REMEDIATION WILL BE RESPONSIBILITY OF THE OWNER PRE GENERAL CONDITIONS 10.3.

KEYNOTE SCHEDULE

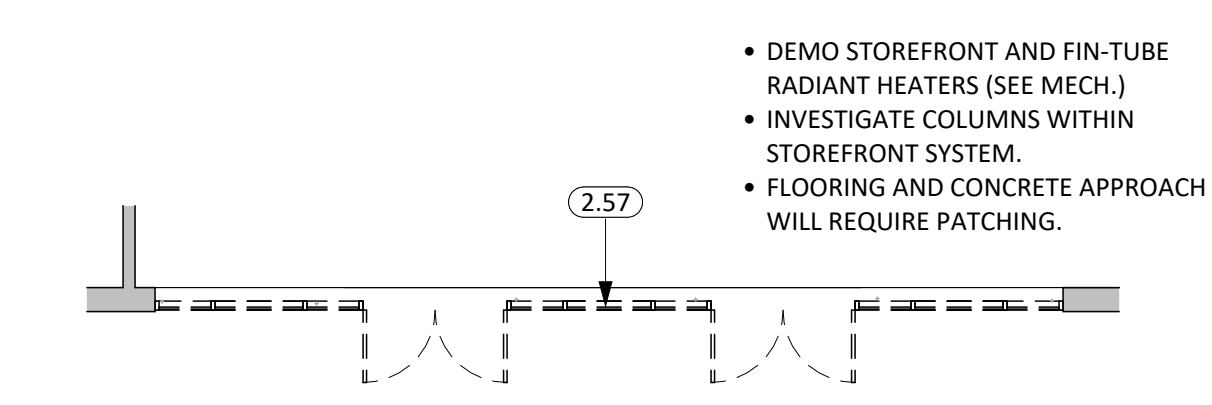
2.12	REMOVE CONCRETE SIDEWALK TO NEAREST JOINT
2.16	REMOVE PORTION OF CONC. SLAB TO ACCOMMODATE NEW PLUMBING, COORD. WITH M.E.P.
2.26	REMOVE PORTION OF STUD FRAMED WALL
2.27	REMOVE STUD FRAMED WALL
2.33	REMOVE ACOUSTIC PANEL CEILING
2.36	REMOVE DOOR & H.M. FRAME
2.37	REMOVE DOOR & WOOD FRAME
2.37A	REMOVE STOREFRONT DOOR, FRAMING, AND ALL ASSOCIATED CLOSER DEVICES AND HARDWARE
2.40	REMOVE & SALVAGE CASEWORK
2.41	REMOVE WINDOW UNIT
2.51	REMOVE F.E. CABINET
2.57	REMOVE STOREFRONT
2.83	REMOVE AND PATCH METAL PANEL WALL AS NEEDED FOR MEP DEMOLITION



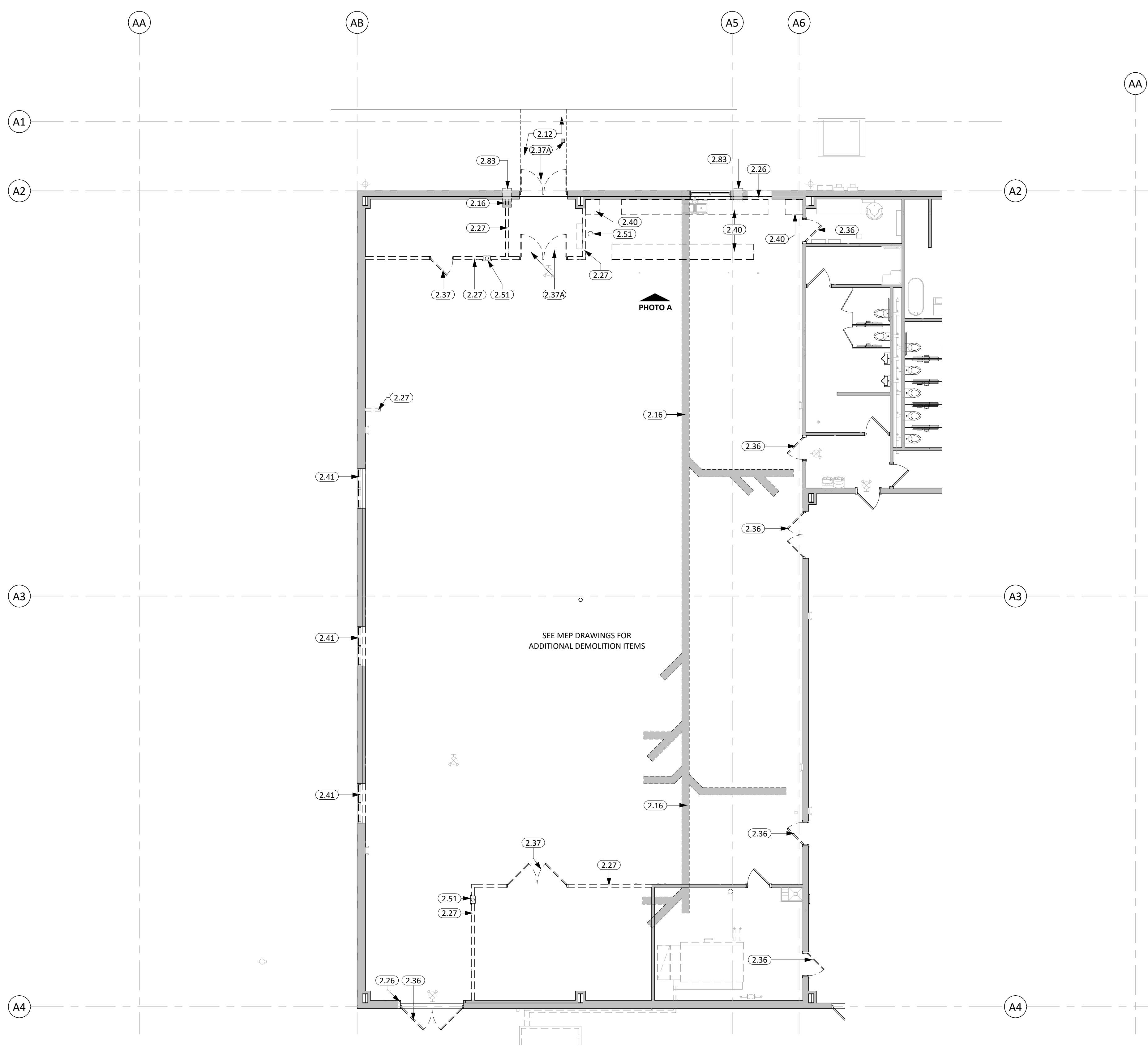
EXISTING PHOTO A
• SALVAGE ALL CASEWORK & APPLIANCES/ FIXTURES.



EXISTING PHOTO Z
• ALTERNATE #3, REMOVE STOREFRONT FRAMING



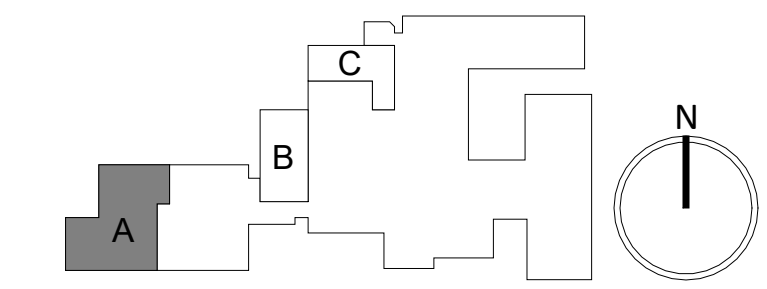
ENTRY DOOR ALTERNATE #3
1/8" = 1'-0"



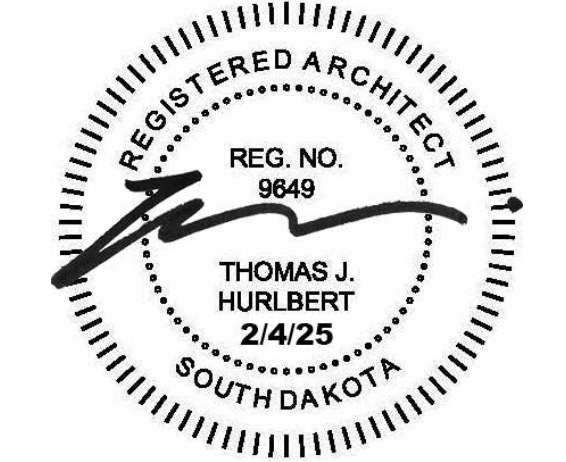
FIRST LEVEL DEMO PLAN - AREA A
1/8" = 1'-0"



FIRST LEVEL DEMO RCP - AREA A
1/8" = 1'-0"



CO-OP PROJECT NO: 2447



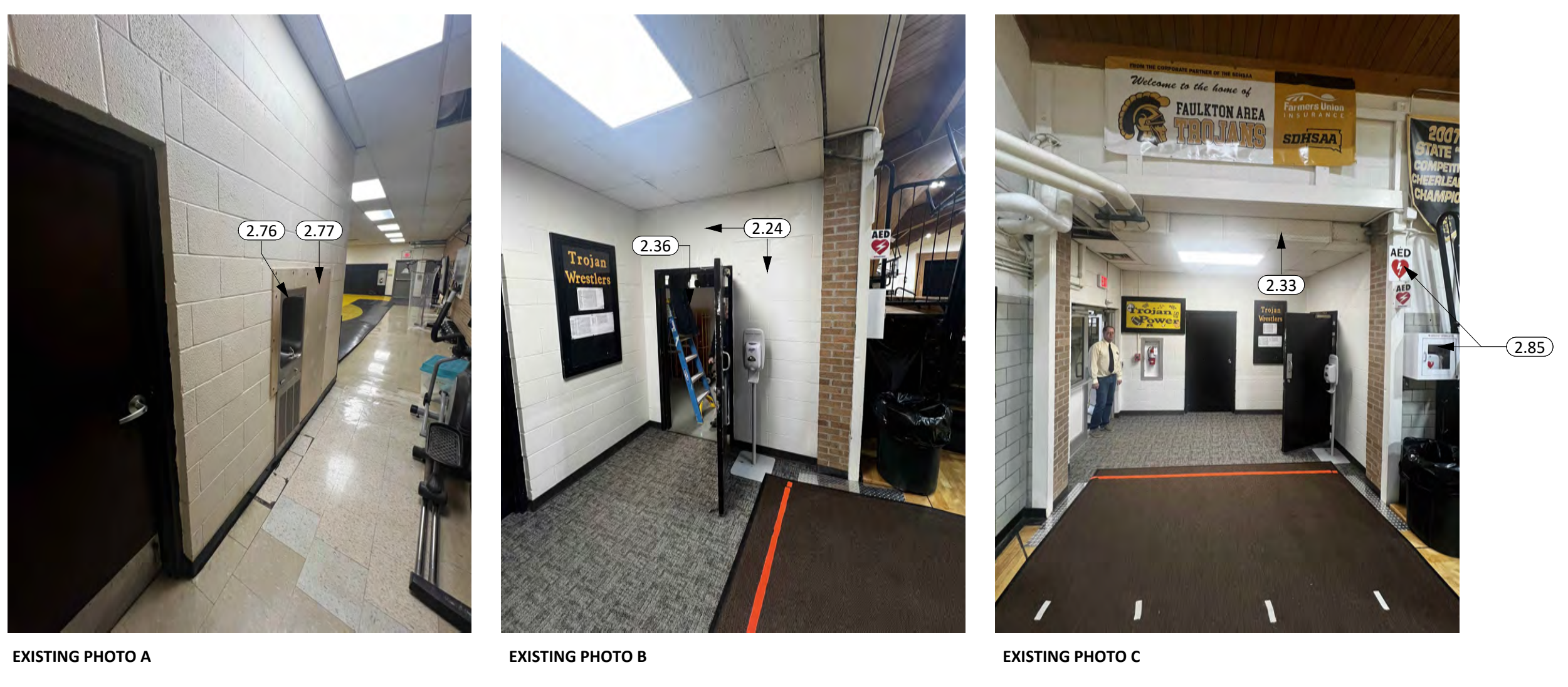
ISSUE:
2/4/2025 100% CONSTRUCTION DOCUMENTS

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
DEMOLITION PLANS - FIRST LEVEL
- AREA A

D101.A



EXISTING PHOTO A

EXISTING PHOTO B

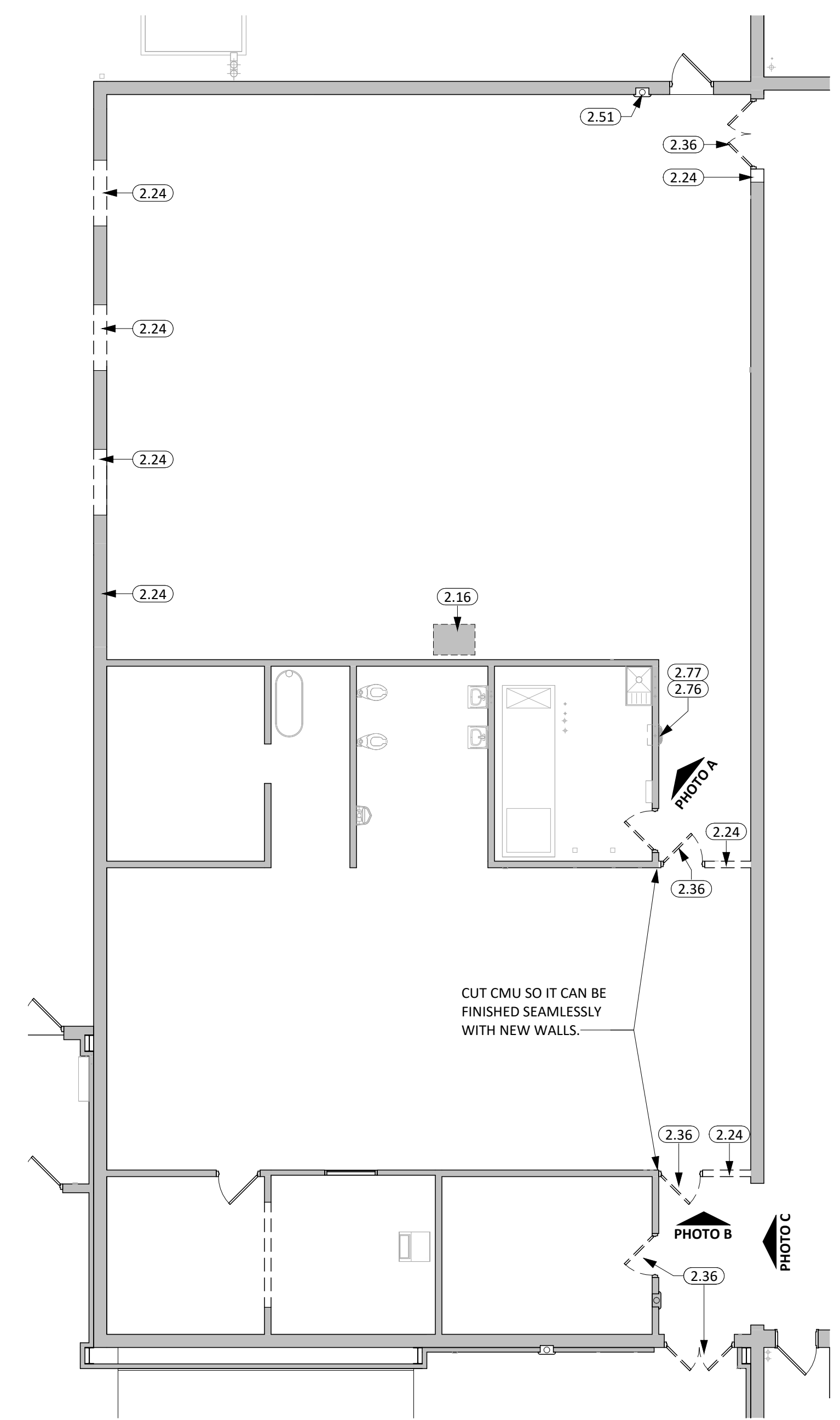
EXISTING PHOTO C

GENERAL NOTES

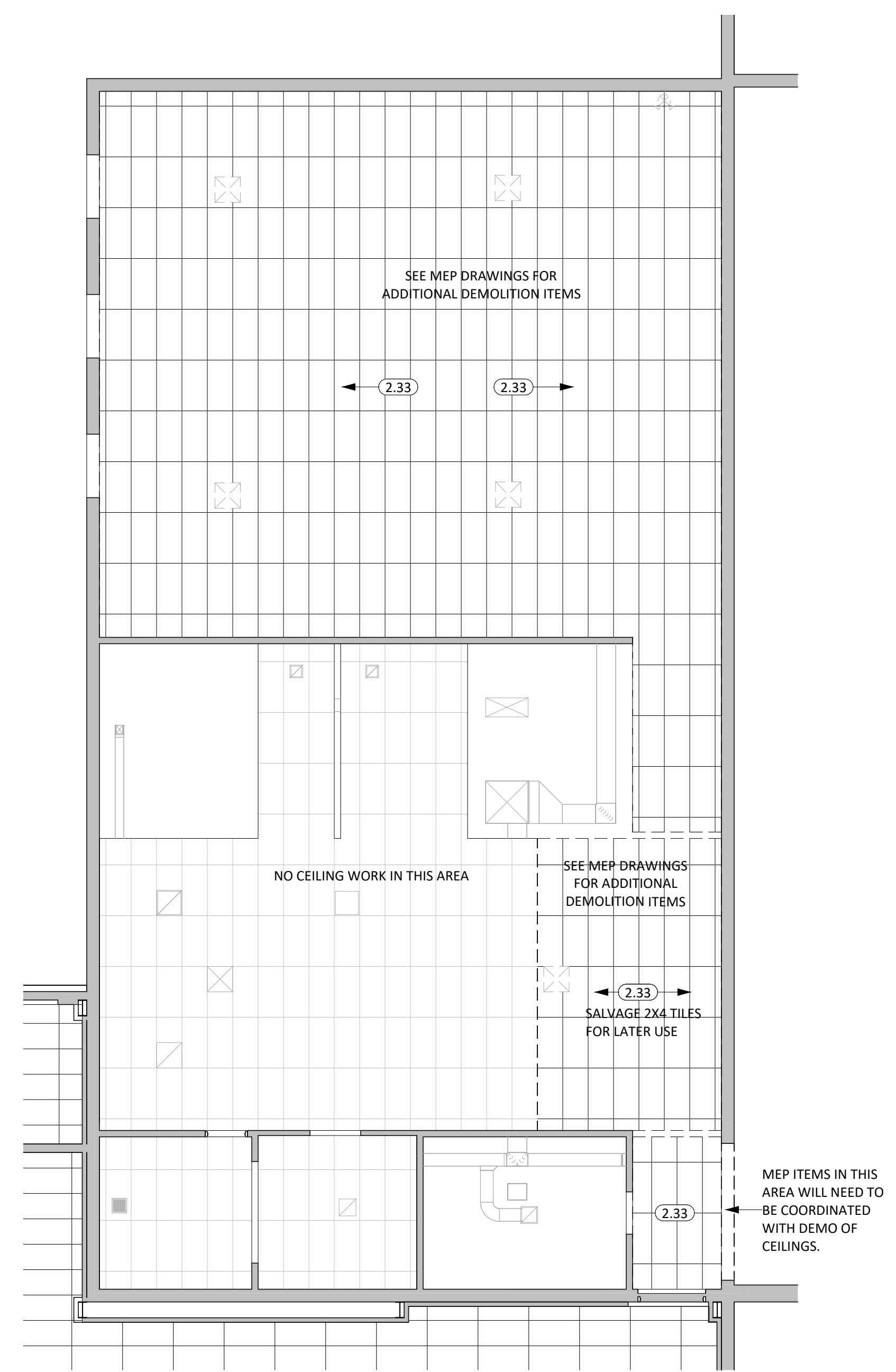
- DEMOLITION SHALL INCLUDE ALL ITEMS KEYNOTED ON DEMOLITION SHEETS, BUT ARE NOT LIMITED TO THESE ITEMS. CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION NECESSARY TO ALLOW FOR COMPLETION OF THE WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS.
- AT FLOOR PLANS DASHED LINES INDICATE WALLS OR PORTIONS OF WALLS TO BE DEMOLISHED. ALL SHADED WALLS REPRESENT EXISTING WALLS TO REMAIN.
- DEMOLITION OF WALLS INCLUDE ALL ITEMS ATTACHED TO THE WALL AND ELECTRICAL AND COMMUNICATIONS THEREIN, UNLESS OTHERWISE NOTED TO BE SALVAGED.
- DEMOLITION DRAWINGS HAVE BEEN DEVELOPED FROM EXISTING DRAWINGS AND SITE VERIFICATIONS THAT MAY NOT REFLECT ACTUAL FIELD CONDITIONS. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND COORDINATE SCOPE WITH EACH DISCIPLINE. CONTACT ARCHITECT IMMEDIATELY WITH ANY DISCREPANCIES.
- CONTRACTOR TO PROTECT EXISTING MATERIALS/SPACES WHICH ARE TO REMAIN OR BE REUSED. ALL SURFACES DAMAGED DURING DEMOLITION SHALL BE REPAIRED FOR APPLICATION OF NEW FINISHES OR REPAIRED TO MATCH EXISTING. ALL INDEPENDENT TRADES ARE RESPONSIBLE FOR THEIR OWN PATCHING.
- REFER TO CIVIL, MECHANICAL, ELECTRICAL, AND STRUCTURAL FOR ADDITIONAL INFORMATION RELEVANT TO DEMOLITION & PATCHING.
- BRACE ALL EXISTING STRUCTURES / STRUCTURAL ELEMENTS AS NECESSARY DURING DEMOLITION.
- REMOVE EXISTING CONCRETE SLAB AS NECESSARY TO ALLOW FOR COMPLETION OF THE WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS. DEMOLITION OF THE FLOOR SLAB SHALL INCLUDE, BUT MAY NOT BE LIMITED TO THE DIAGONAL HATCHED AREAS. COORDINATE W/ PLUMBING CONTRACTOR.
- REMOVE EXISTING ROOF MEMBRANE / INSULATION AS NECESSARY TO ALLOW FOR COMPLETION OF THE WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS. COORDINATE W/ MECHANICAL CONTRACTOR. PATCH ROOF IN A MANNER TO MAINTAIN EXISTING ROOF WARRANTY.
- COORDINATE WITH OWNER ANY DEMO ITEMS TO BE SALVAGED FOR THE OWNER'S REUSE.
- IN ACCORDANCE WITH STATE REGULATIONS, ALL PUBLIC AND COMMERCIAL BUILDINGS, REGARDLESS OF AGE OR CONSTRUCTION TYPE, MUST BE INSPECTED FOR ASBESTOS BEFORE ANY RENOVATION OR DEMOLITION BEGINS. THE CONTRACTOR SHALL CONTACT THE SD DANR AND COMPLY WITH APPLICABLE ASBESTOS GUIDELINES IMMEDIATELY AFTER RECEIPT OF NOTICE TO PROCEED. CONTACT SD DANR AT 605-773-5559 OR REFERENCE SDANR ASBESTOS INFORMATION BROCHURE TO REVIEW GUIDELINES AND REQUIREMENTS. ANY REMOVAL AND REMEDIATION WILL BE RESPONSIBILITY OF THE OWNER PRE GENERAL CONDITIONS 10.3.

KEYNOTE SCHEDULE

2.16	REMOVE PORTION OF CONC. SLAB TO ACCOMMODATE NEW PLUMBING, COORD. WITH M.E.P.
2.24	REMOVE PORTION OF MASONRY WALL
2.33	REMOVE ACOUSTIC PANEL CEILING
2.36	REMOVE DOOR & H.M. FRAME
2.51	REMOVE F.E. CABINET
2.76	REMOVE DRINKING FOUNTAIN (COORD. W/ PLUMBING)
2.77	REMOVE PLYWOOD WALL INFILL
2.85	REMOVE AND SALVAGE "AED" BOX & SIGNAGE

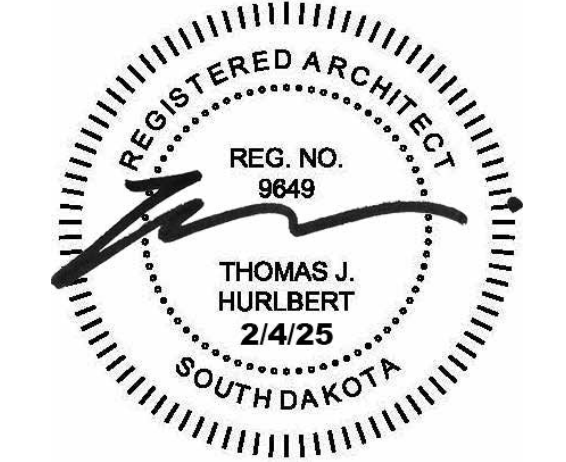


FIRST LEVEL DEMO PLAN - AREA B
1/8" = 1'-0"



FIRST LEVEL DEMO RCP - AREA B
1/8" = 1'-0"

CO-OP PROJECT NO: 2447



ISSUE:
2/4/2025 100% CONSTRUCTION DOCUMENTS

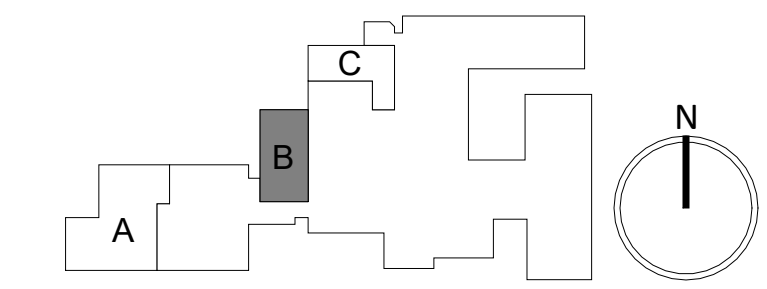
REVISION SCHEDULE:

REV. #	REV. DSC.	REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
DEMOLITION PLANS - FIRST LEVEL
- AREA B

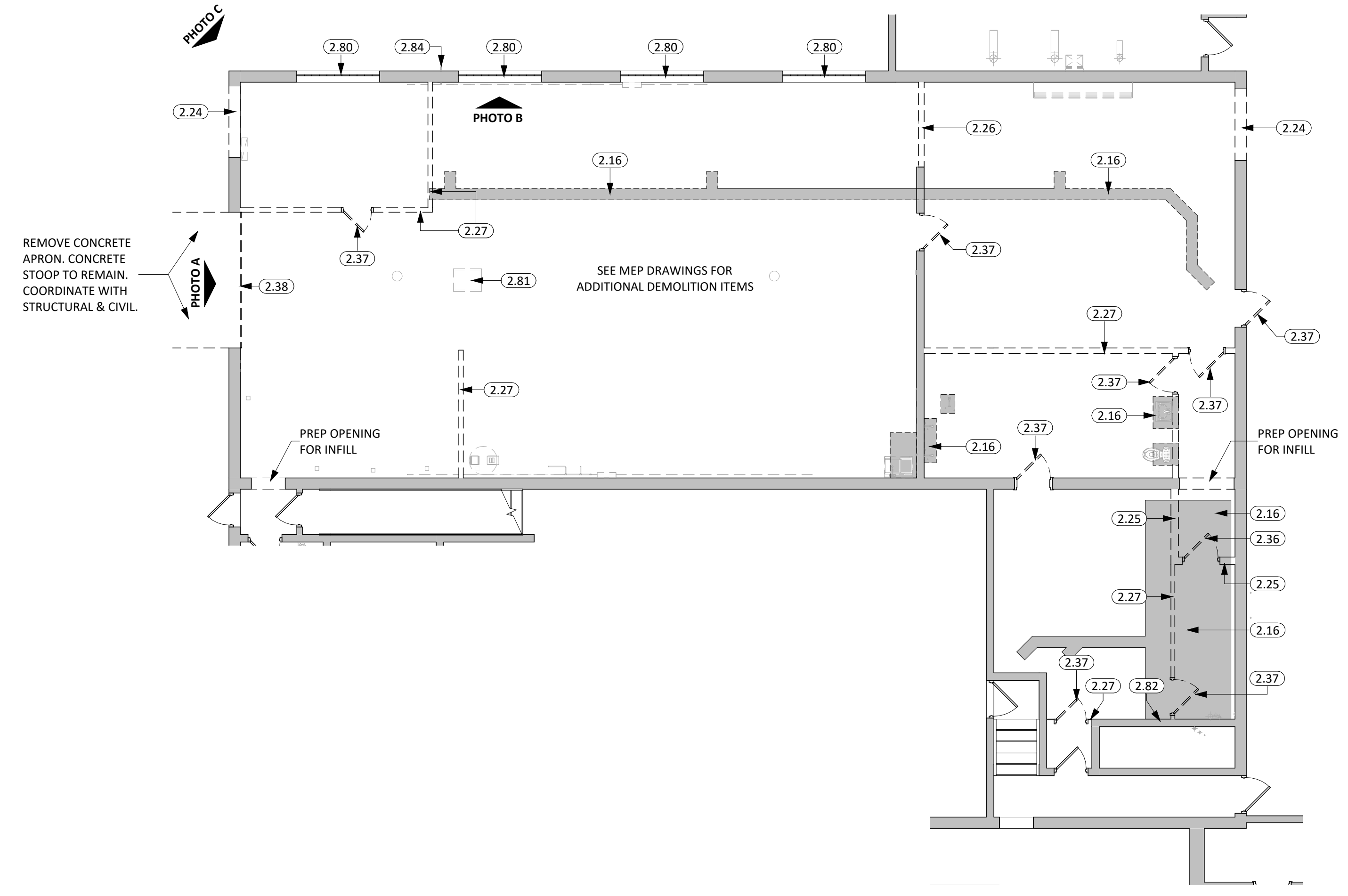
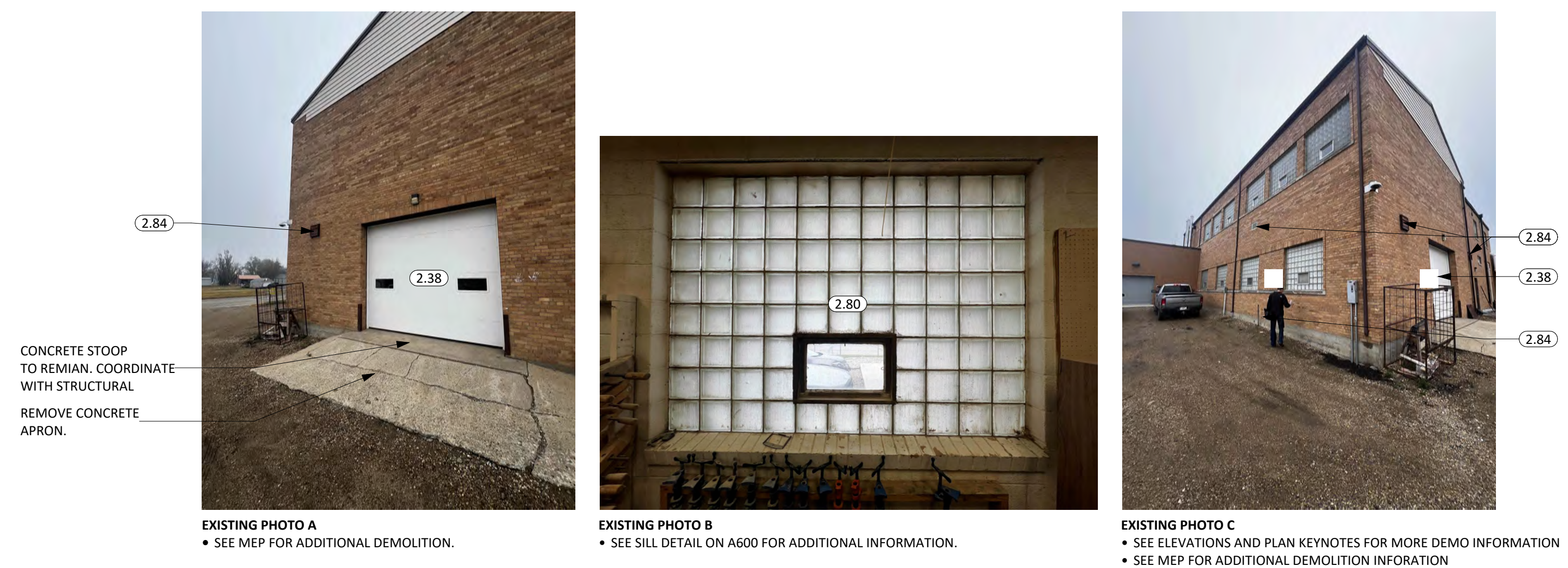
D101.B



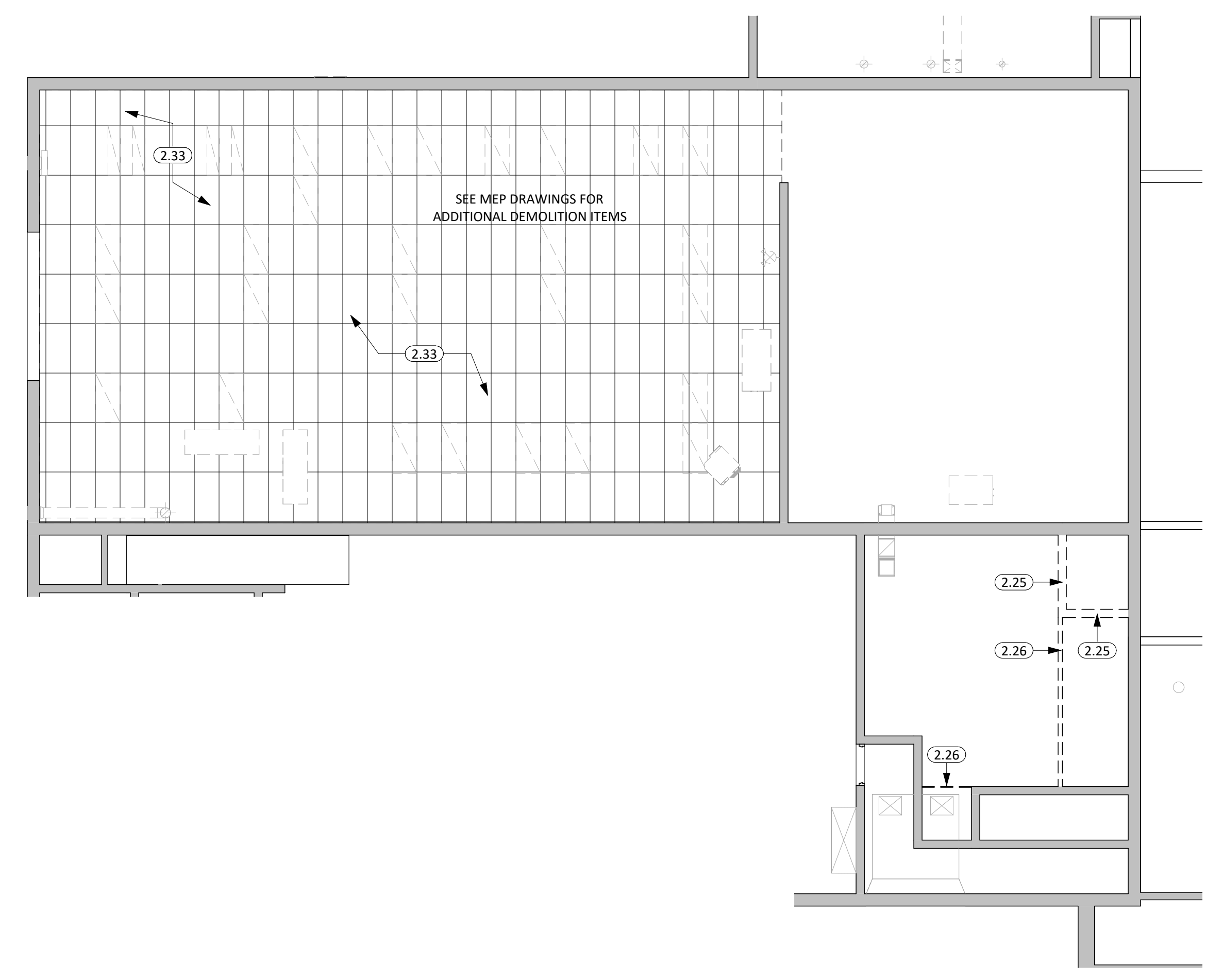
- ### GENERAL NOTES
- DEMOLITION SHALL INCLUDE ALL ITEMS KEYNOTED ON DEMOLITION SHEETS, BUT ARE NOT LIMITED TO THESE ITEMS. CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION NECESSARY TO ALLOW FOR COMPLETION OF THE WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS.
 - AT FLOOR PLANS DASHED LINES INDICATE WALLS OR PORTIONS OF WALLS TO BE DEMOLISHED. ALL SHADED WALLS REPRESENT EXISTING WALLS TO REMAIN.
 - DEMOLITION OF WALLS INCLUDE ALL ITEMS ATTACHED TO THE WALL AND ELECTRICAL AND COMMUNICATIONS THEREIN, UNLESS OTHERWISE NOTED TO BE SALVAGED.
 - DEMOLITION DRAWINGS HAVE BEEN DEVELOPED FROM EXISTING DRAWINGS AND SITE VERIFICATIONS THAT MAY NOT REFLECT ACTUAL FIELD CONDITIONS. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND COORDINATE SCOPE WITH EACH DISCIPLINE. CONTACT ARCHITECT IMMEDIATELY WITH ANY DISCREPANCIES.
 - CONTRACTOR TO PROTECT EXISTING MATERIALS/SPACES WHICH ARE TO REMAIN OR BE REUSED. ALL SURFACES DAMAGED DURING DEMOLITION SHALL BE REPAIRED FOR APPLICATION OF NEW FINISHES OR REPAIRED TO MATCH EXISTING. ALL INDEPENDENT TRADES ARE RESPONSIBLE FOR THEIR OWN PATCHING.
 - REFER TO CIVIL, MECHANICAL, ELECTRICAL, AND STRUCTURAL FOR ADDITIONAL INFORMATION RELEVANT TO DEMOLITION & PATCHING.
 - BRACE ALL EXISTING STRUCTURES / STRUCTURAL ELEMENTS AS NECESSARY DURING DEMOLITION.
 - REMOVE EXISTING CONCRETE SLAB AS NECESSARY TO ALLOW FOR COMPLETION OF THE WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS. DEMOLITION OF THE FLOOR SLAB SHALL INCLUDE, BUT MAY NOT BE LIMITED TO THE DIAGONAL HATCHED AREAS. COORDINATE W/ PLUMBING CONTRACTOR.
 - REMOVE EXISTING ROOF MEMBRANE / INSULATION AS NECESSARY TO ALLOW FOR COMPLETION OF THE WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS. COORDINATE W/ MECHANICAL CONTRACTOR. PATCH ROOF IN A MANNER TO MAINTAIN EXISTING ROOF WARRANTY.
 - COORDINATE WITH OWNER ANY DEMO ITEMS TO BE SALVAGED FOR THE OWNER'S REUSE. IN ACCORDANCE WITH STATE REGULATIONS, ALL PUBLIC AND COMMERCIAL BUILDINGS, REGARDLESS OF AGE OR CONSTRUCTION TYPE, MUST BE INSPECTED FOR ASBESTOS BEFORE ANY RENOVATION OR DEMOLITION BEGINS. THE CONTRACTOR SHALL CONTACT THE SD DANR AND COMPLY WITH APPLICABLE ASBESTOS GUIDELINES IMMEDIATELY AFTER RECEIPT OF NOTICE TO PROCEED. CONTACT SD DANR AT 605-773-5559 OR REFERENCE SD DANR ASBESTOS INFORMATION BROCHURE TO REVIEW GUIDELINES AND REQUIREMENTS. ANY REMOVAL AND REMEDIATION WILL BE RESPONSIBILITY OF THE OWNER PRE GENERAL CONDITIONS 10.3.

KEYNOTE SCHEDULE

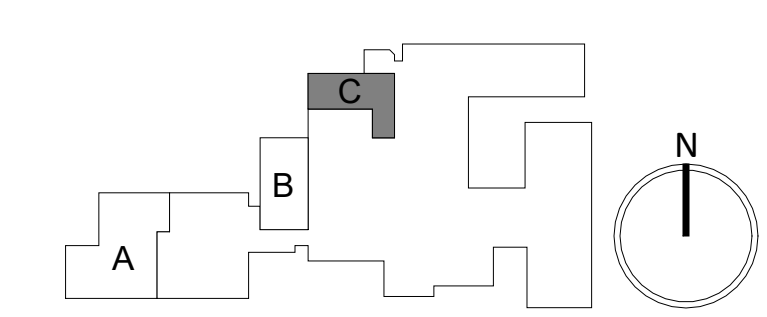
2.16	REMOVE PORTION OF CONC. SLAB TO ACCOMMODATE NEW PLUMBING, COORD. WITH M.E.P.
2.24	REMOVE PORTION OF MASONRY WALL
2.25	REMOVE MASONRY WALL
2.26	REMOVE PORTION OF STUD FRAMED WALL
2.27	REMOVE STUD FRAMED WALL
2.33	REMOVE ACOUSTIC PANEL CEILING
2.36	REMOVE DOOR & H.M. FRAME
2.37	REMOVE DOOR & WOOD FRAME
2.38	REMOVE OVERHEAD SECTIONAL DOOR
2.80	REMOVE GLASS BLOCK WINDOW
2.81	REMOVE CONCRETE/SAND INTERCEPTOR
2.82	REMOVE ACCESS DOOR, INFILL WITH MASONRY (COORD. W/ MEP)
2.84	COORD. W/ M.E.P. FOR PATCHING OF BRICKWORK AS NEEDED



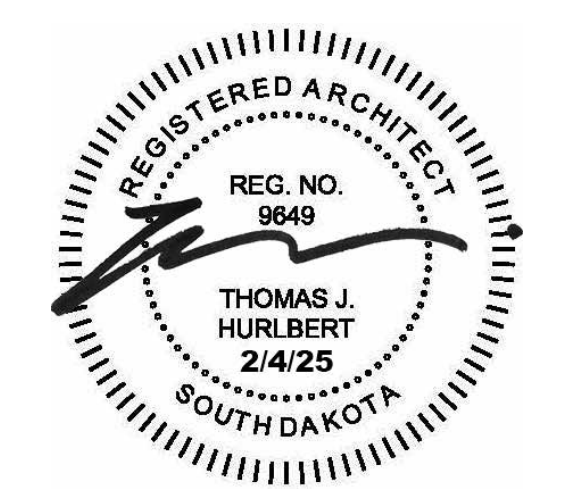
FIRST LEVEL DEMO PLAN - AREA C
1/8" = 1'-0"



FIRST LEVEL DEMO RCP - AREA C
1/8" = 1'-0"



CO-OP PROJECT NO: 2447



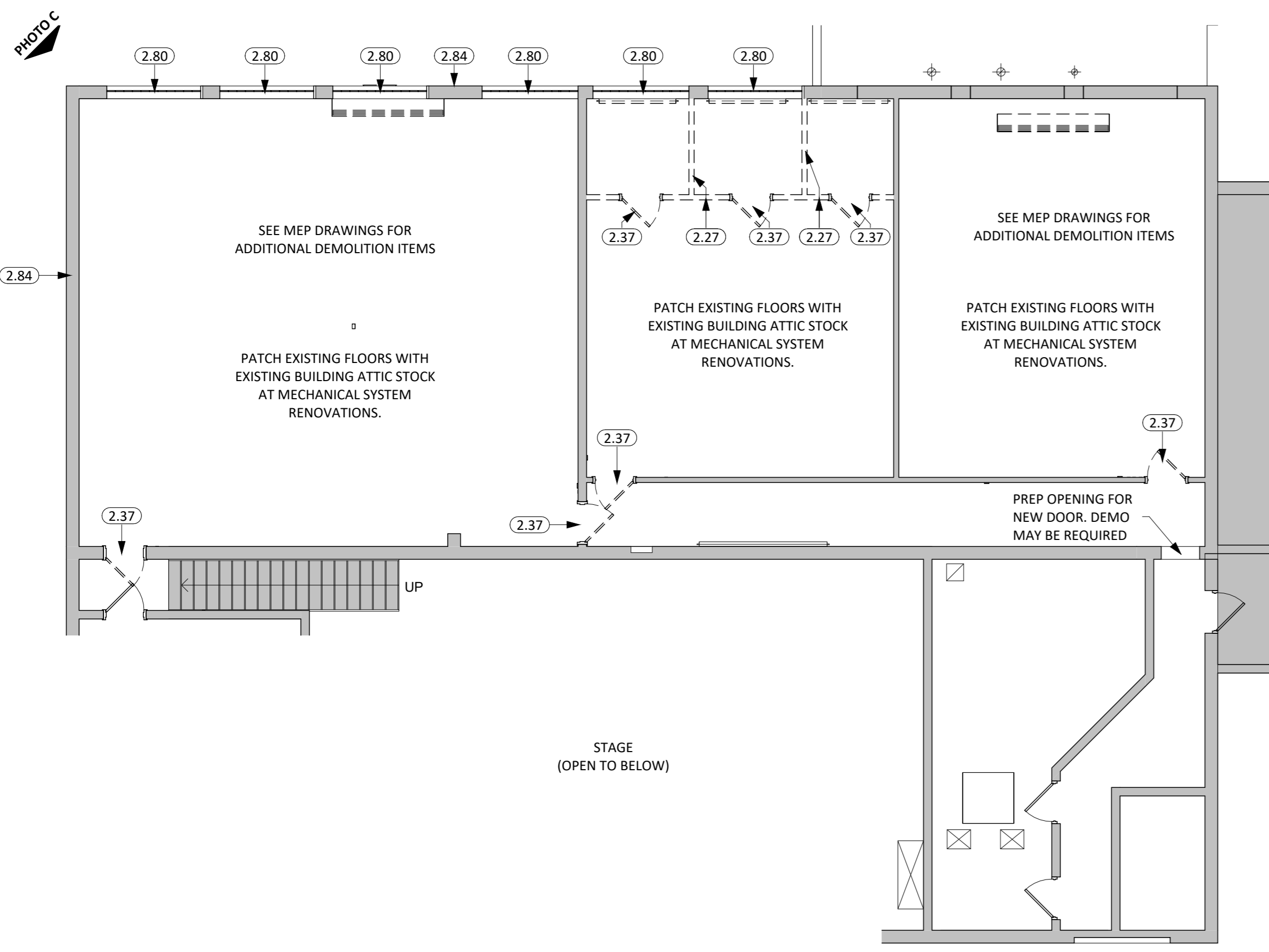
ISSUE:
2/4/2025 100% CONSTRUCTION DOCUMENTS

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

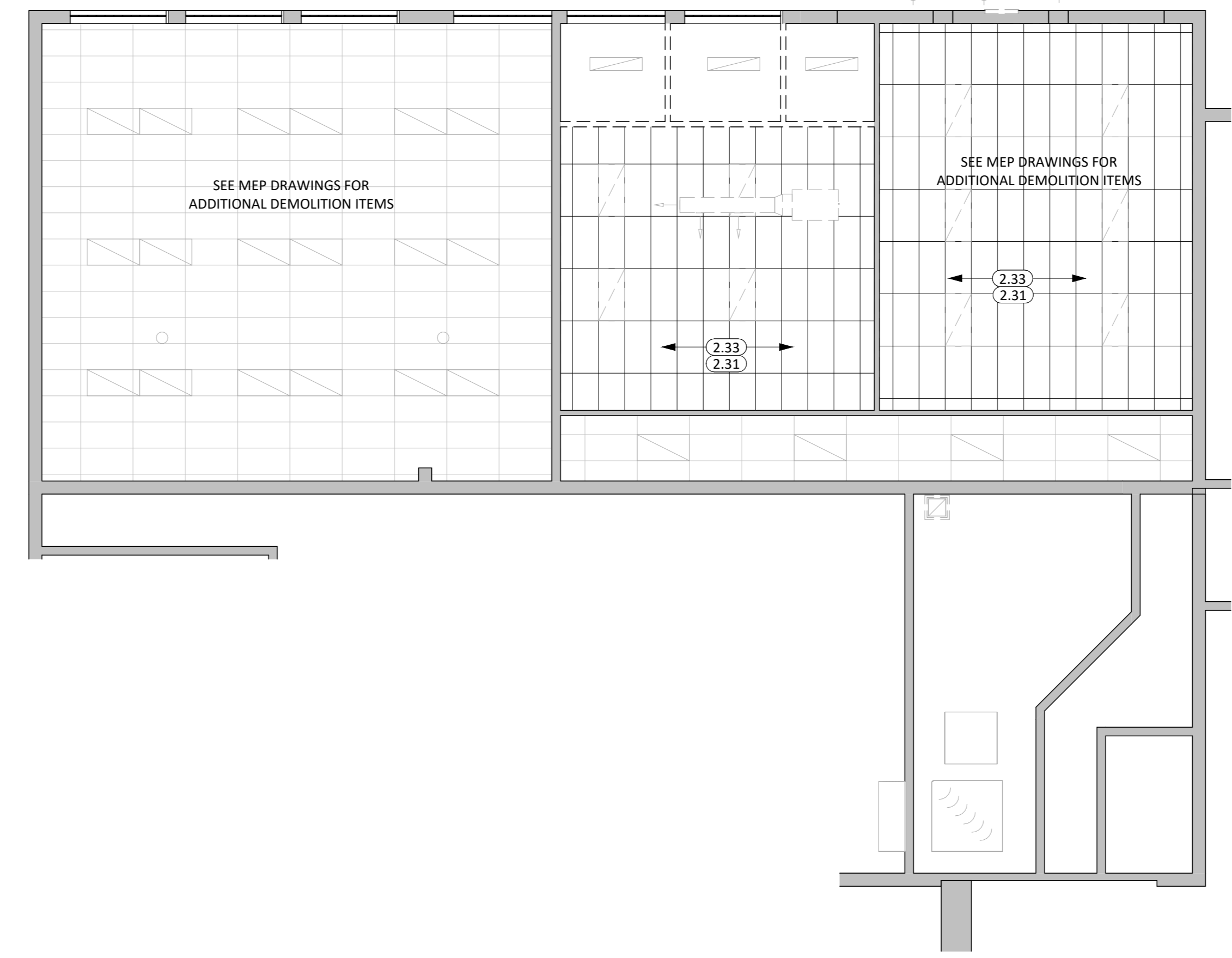
PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
DEMOLITION PLANS - FIRST LEVEL
- AREA C

D101.C



SECOND LEVEL - DEMO PLAN - AREA C
1/8" = 1'-0"



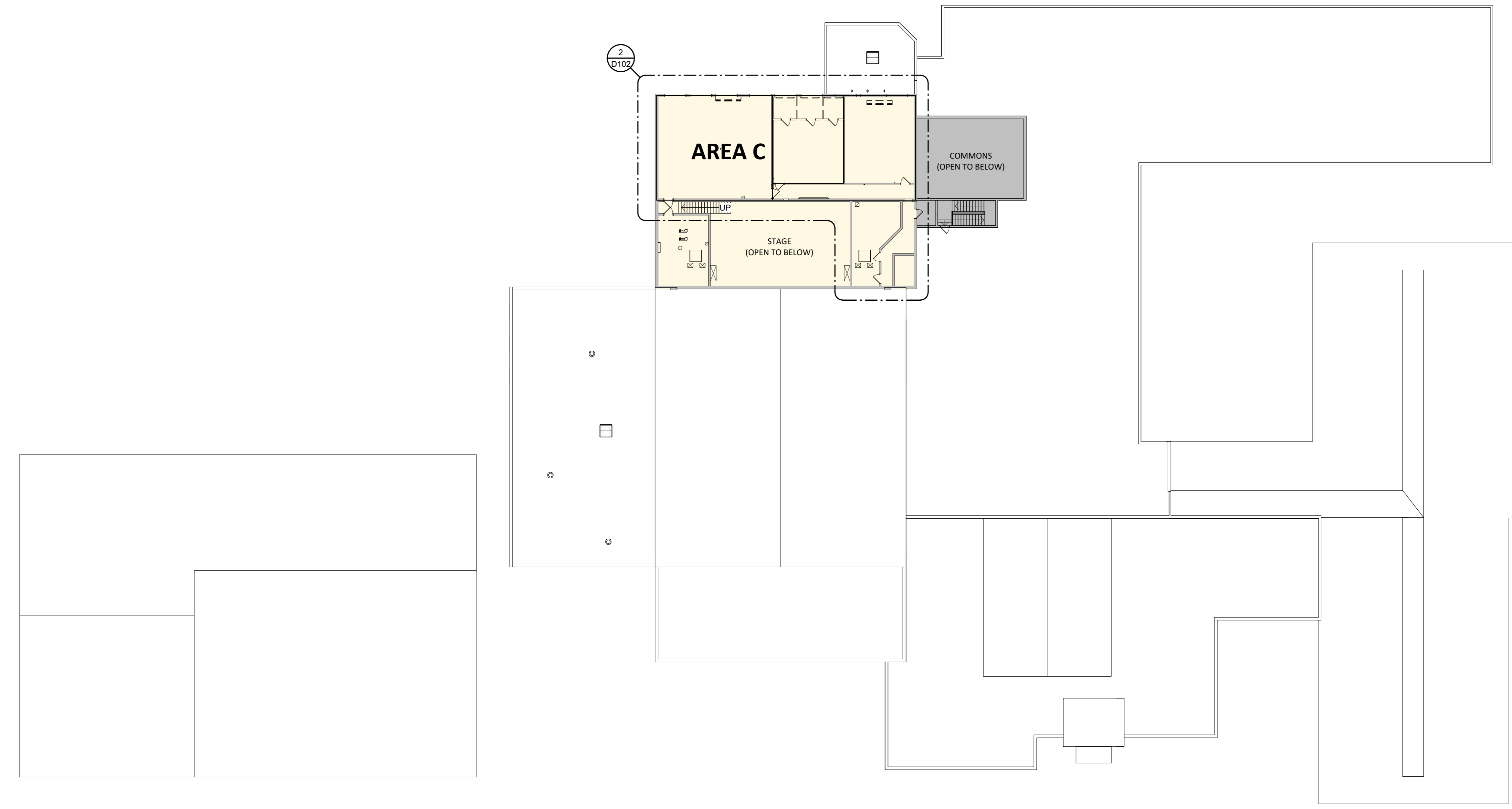
SECOND LEVEL RCP - AREA C
1/8" = 1'-0"

GENERAL NOTES

- DEMOLITION SHALL INCLUDE ALL ITEMS KEYNOTED ON DEMOLITION SHEETS, BUT ARE NOT LIMITED TO THESE ITEMS. CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION NECESSARY TO ALLOW FOR COMPLETION OF THE WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS.
- AT FLOOR PLANS DASHED LINES INDICATE WALLS OR PORTIONS OF WALLS TO BE DEMOLISHED. ALL SHADER WALLS REPRESENT EXISTING WALLS TO REMAIN.
- DEMOLITION OF WALLS INCLUDE ALL ITEMS ATTACHED TO THE WALL AND ELECTRICAL AND COMMUNICATIONS THEREIN, UNLESS OTHERWISE NOTED TO BE SALVAGED.
- DEMOLITION DRAWINGS HAVE BEEN DEVELOPED FROM EXISTING DRAWINGS AND SITE VERIFICATIONS THAT MAY NOT REFLECT ACTUAL FIELD CONDITIONS. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND COORDINATE SCOPE WITH EACH DISCIPLINE. CONTACT ARCHITECT IMMEDIATELY WITH ANY DISCREPANCIES.
- CONTRACTOR TO PROTECT EXISTING MATERIALS/SPACES WHICH ARE TO REMAIN OR BE REUSED. ALL SURFACES DAMAGED DURING DEMOLITION SHALL BE REPAIRED FOR APPLICATION OF NEW FINISHES OR REPAIRED TO MATCH EXISTING. ALL INDEPENDENT TRADES ARE RESPONSIBLE FOR THEIR OWN PATCHING.
- REFER TO CIVIL, MECHANICAL, ELECTRICAL, AND STRUCTURAL FOR ADDITIONAL INFORMATION RELEVANT TO RELEVANT TO DEMOLITION & PATCHING.
- BRACE ALL EXISTING STRUCTURES / STRUCTURAL ELEMENTS AS NECESSARY DURING DEMOLITION.
- REMOVE EXISTING CONCRETE SLAB AS NECESSARY TO ALLOW FOR COMPLETION OF THE WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS. DEMOLITION OF THE FLOOR SLAB SHALL INCLUDE, BUT MAY NOT BE LIMITED TO THE DIAGONAL HATCHED AREAS. COORDINATE W/ PLUMBING CONTRACTOR.
- REMOVE EXISTING ROOF MEMBRANE / INSULATION AS NECESSARY TO ALLOW FOR COMPLETION OF THE WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS. COORDINATE W/ MECHANICAL CONTRACTOR. PATCH ROOF IN A MANNER TO MAINTAIN EXISTING ROOF WARRANTY.
- COORDINATE WITH OWNER ANY DEMO ITEMS TO BE SALVAGED FOR THE OWNER'S REUSE.
- IN ACCORDANCE WITH STATE REGULATIONS, ALL PUBLIC AND COMMERCIAL BUILDINGS, REGARDLESS OF AGE OR CONSTRUCTION TYPE, MUST BE INSPECTED FOR ASBESTOS BEFORE ANY RENOVATION OR DEMOLITION BEGINS. THE CONTRACTOR SHALL CONTACT THE SD DANR AND COMPLY WITH APPLICABLE ASBESTOS GUIDELINES IMMEDIATELY AFTER RECEIPT OF NOTICE TO PROCEED. CONTACT SD DANR AT 605-773-5559 OR REFERENCE SDANR ASBESTOS INFORMATION BROCHURE TO REVIEW GUIDELINES AND REQUIREMENTS. ANY REMOVAL AND REMEDIATION WILL BE RESPONSIBILITY OF THE OWNER PRE GENERAL CONDITIONS 10.3.

KEYNOTE SCHEDULE

2.27	REMOVE STUD FRAMED WALL
2.31	REMOVE PARTICLE BOARD FROM BOTTOM OF DECK
2.33	REMOVE ACOUSTIC PANEL CEILING
2.37	REMOVE DOOR & WOOD FRAME
2.80	REMOVE GLASS BLOCK WINDOW
2.84	COORD. W/ M.E.P. FOR PATCHING OF BRICKWORK AS NEEDED



SECOND LEVEL - DEMO PLAN - OVERALL
3/64" = 1'-0"

CO Arch OP

1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

600 Kansas City St. 1
Rapid City, SD 57701
Phone: 605-716-3652

440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

co-oparch.com

CO-OP PROJECT NO: 2447

REGISTERED ARCHITECT
REG. NO. 9649
THOMAS J. HURLBERT
2/4/25
SOUTH DAKOTA

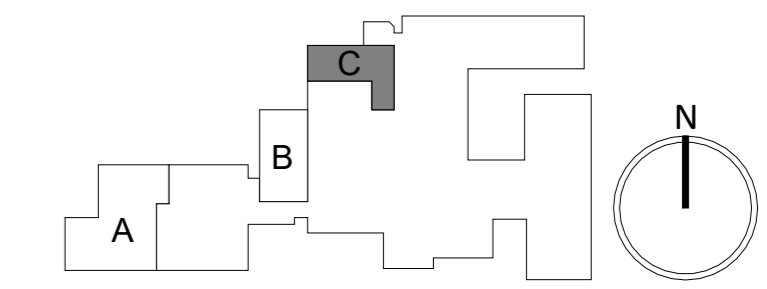
ISSUE:
2/4/2025 100% CONSTRUCTION DOCUMENTS

REVISION SCHEDULE:

REV. #	REV. DSC.	REV. DATE

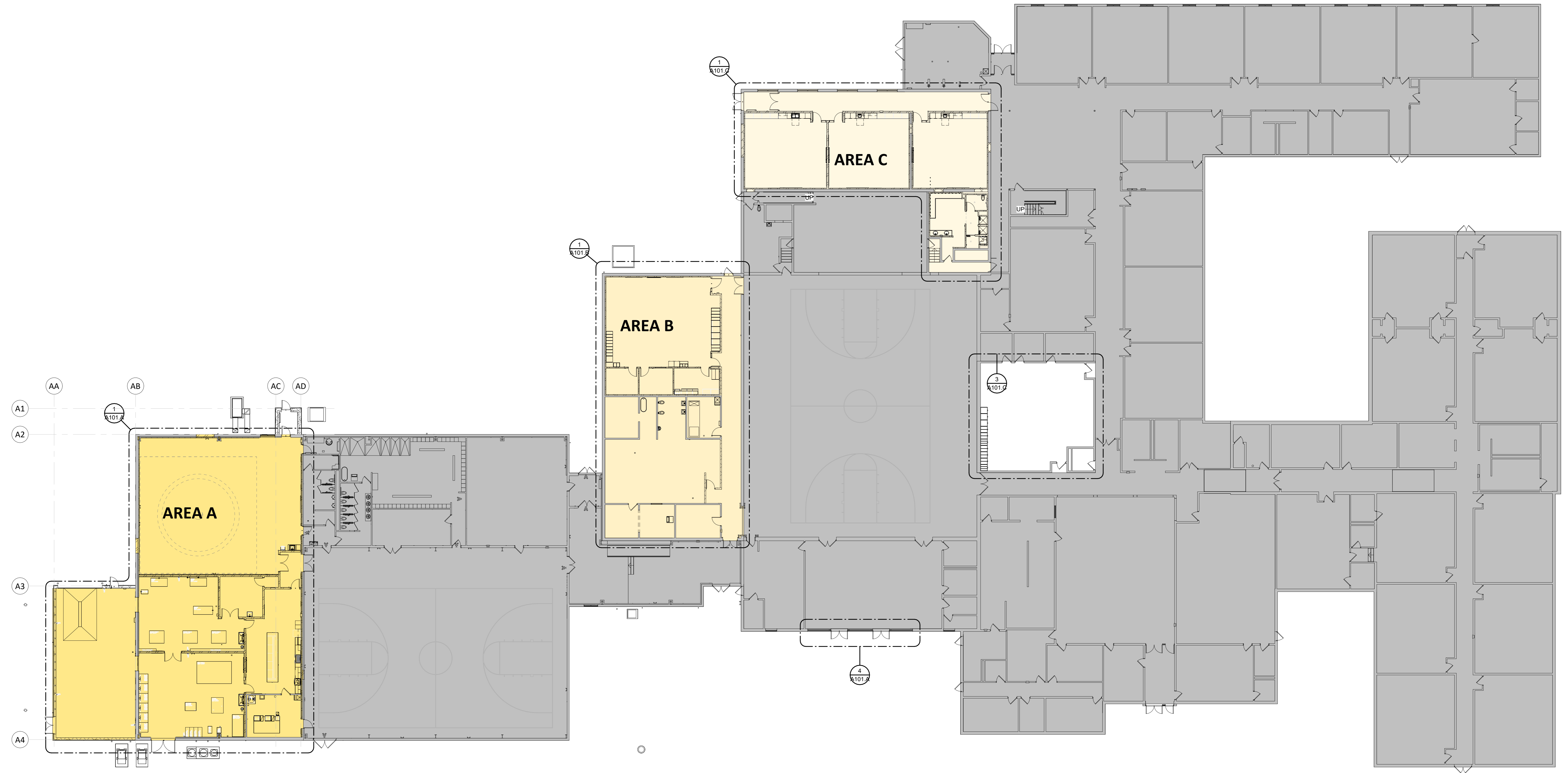
PROJECT:
FAULKTON SCHOOL RENOVATION
114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
DEMOLITION FLOOR PLANS -
SECOND LEVEL



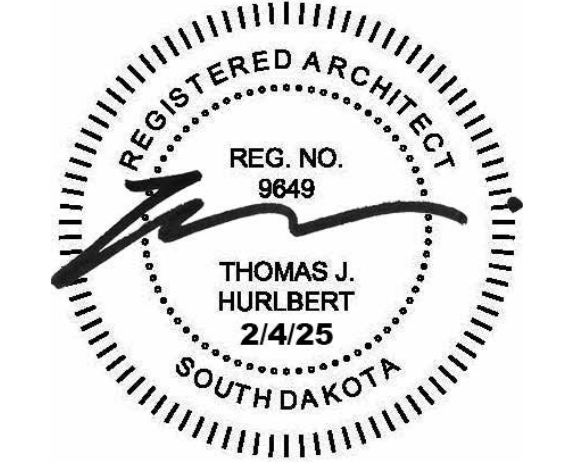
D102

- GENERAL NOTES**
1. FIRE RATED WALL ARE INDICATED ON THE CODE PLANS.
 2. PROVIDE FIRE EXTINGUISHERS AND CABINETS AS SHOWN ON THE CODE PLAN(S).
 3. REFER TO SHEET **6000** FOR ADA STANDARDS.
 4. REFER TO SHEET **6002** FOR WALL, ROOF, AND FLOOR TYPES.
 5. INTERIOR DIMENSIONS ARE FROM FACE OF STUD/CMU TO FACE OF STUD/CMU UNLESS OTHERWISE NOTED. DIMENSIONS TO EXISTING WALLS ARE TO FACE OF FINISH. CONTRACTOR TO VERIFY DIMENSIONS AND NOTIFY ARCHITECT OF DISCREPANCIES.
 6. ALL WALL TYPES TO EXTEND TO DECK UNLESS OTHERWISE NOTED ON WALL TYPES.
 7. EXTERIOR DIMENSIONS ARE FROM FACE OF BRICK/SHEATHING UNLESS OTHERWISE NOTED.
 8. COORDINATE WORK DONE BY OTHERS AS INDICATED ON THE DRAWINGS.
 9. INCREASE WALL THICKNESS OF METAL STUD AND CONCRETE BLOCK WALLS AS REQUIRED TO ACCOMMODATE MECHANICAL AND ELECTRICAL DEVICES - VERIFY w/ ARCHITECT PRIOR TO WORK.
 10. AT ALL NEW DISPLAY MONITOR LOCATIONS, PROVIDE SOLID BLOCKING FROM 53" TO 65" A.F.F. & 36" WIDE. SEE ELECTRICAL FOR DATA AND POWER REQUIREMENTS.
 11. SEE MECHANICAL FOR ALL FLOOR DRAIN SIZES AND LOCATIONS U.N.D. SET FLOOR DRAINS MINIMUM 1/4" BELOW FINISHED FLOOR. PROVIDE EVEN SLOPE FROM WALL TO DRAIN w/ A MAXIMUM SLOPE OF 1/8" PER FOOT.
 12. VERIFY DRYWALL CONTROL JOINT LOCATIONS w/ ARCHITECT ON SITE PRIOR TO INSTALLATION. THIS INCLUDES, BUT IS NOT LIMITED TO, CONTROL JOINTS AT 30'-0" O.C. MAX. IN LONG WALL EXPANSES. CONTROL JOINTS AT DOOR JAMBS EXTENDING FROM DOOR HEAD TO CEILING. CONSIDERATION SHALL ALSO BE GIVEN TO LOCATING CONTROL JOINTS FROM FLOOR TO CEILING AT EITHER EDGE OF LARGE WINDOW OPENINGS.
 13. COORDINATE ALL CHASE SIZES AND LOCATIONS w/ MECHANICAL. PROVIDE CHASES AT ALL EXPOSED MECHANICAL & ELECTRICAL WITH ADJACENT WALL MATERIAL AS REQUIRED.
 14. COORDINATE ALL SHEAR WALL LOCATIONS w/ STRUCTURAL PLANS.
 15. THE AIR & MOISTURE WEATHER BARRIER IS TO BE CONTINUOUS FROM THE BASE OF THE WALLS UP TO & TYING INTO THE ROOF BARRIER SYSTEM.
 16. SEE FINISH LEGEND FOR DOOR FRAME FINISH.



OVERALL PLAN - FIRST LEVEL
1/16" = 1'-0"

CO-OP PROJECT NO: 2447



ISSUE:
2/4/2025 100% CONSTRUCTION DOCUMENTS

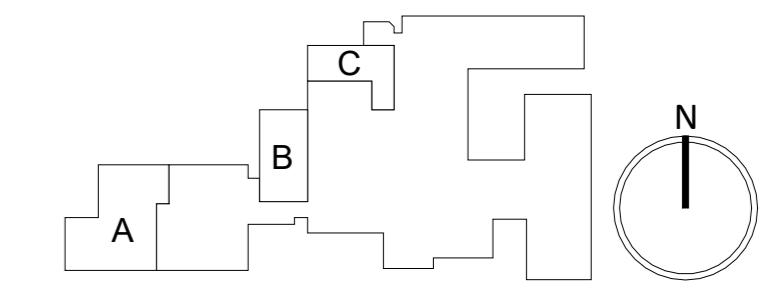
REVISION SCHEDULE:

REV. #	REV. DSC.	REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
FLOOR PLAN - FIRST LEVEL -
OVERALL

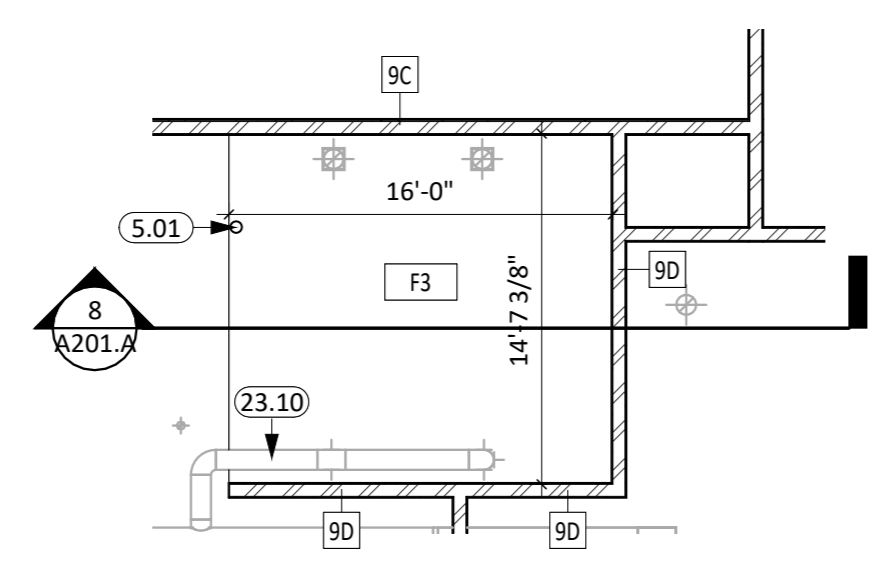
A100



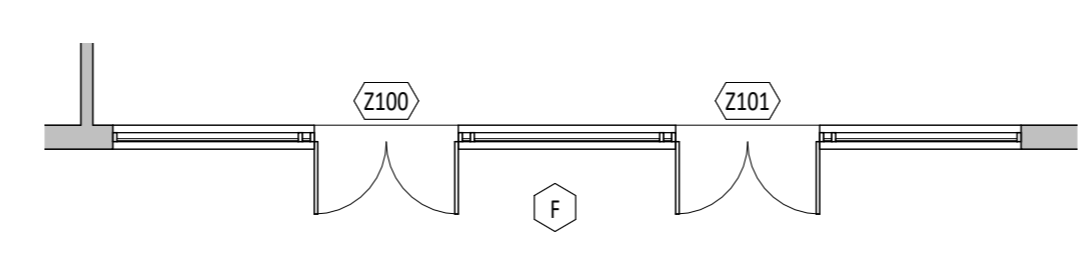
- ### GENERAL NOTES
- FIRE RATED WALL ARE INDICATED ON THE CODE PLANS.
 - PROVIDE FIRE EXTINGUISHERS AND CABINETS AS SHOWN ON THE CODE PLAN(S).
 - REFER TO SHEET **6000** FOR ADA STANDARDS.
 - REFER TO SHEET **6002** FOR WALL, ROOF, AND FLOOR TYPES.
 - INTERIOR DIMENSIONS ARE FROM FACE OF STUD/CMU TO FACE OF STUD/CMU UNLESS OTHERWISE NOTED. DIMENSIONS TO EXISTING WALLS ARE TO FACE OF FINISH, CONTRACTOR TO VERIFY DIMENSIONS AND NOTIFY ARCHITECT OF DISCREPANCIES.
 - ALL WALL TYPES TO EXTEND TO DECK UNLESS OTHERWISE NOTED ON WALL TYPES.
 - EXTERIOR DIMENSIONS ARE FROM FACE OF BRICK/SHEATHING UNLESS OTHERWISE NOTED.
 - COORDINATE WORK DONE BY OTHERS AS INDICATED ON THE DRAWINGS.
 - INCREASE WALL THICKNESS OF METAL STUD AND CONCRETE BLOCK WALLS AS REQUIRED TO ACCOMMODATE MECHANICAL AND ELECTRICAL DEVICES - VERIFY W/ ARCHITECT PRIOR TO WORK.
 - AT ALL NEW DISPLAY MONITOR LOCATIONS, PROVIDE SOLID BLOCKING FROM 53" TO 65" A.F.F. & 36" WIDE. SEE ELECTRICAL FOR DATA AND POWER REQUIREMENTS.
 - SEE MECHANICAL FOR ALL FLOOR DRAIN SIZES AND LOCATIONS U.N.D. SET FLOOR DRAINS MINIMUM 1/4" BELOW FINISHED FLOOR. PROVIDE EVEN SLOPE FROM WALL TO DRAIN W/ A MAXIMUM SLOPE OF 1/8" PER FOOT.
 - VERIFY DRYWALL CONTROL JOINT LOCATIONS W/ ARCHITECT ON SITE PRIOR TO INSTALLATION. THIS INCLUDES, BUT IS NOT LIMITED TO, CONTROL JOINTS AT 30'-0" O.C. MAX. IN LONG WALL EXPANSES. CONTROL JOINTS AT DOOR JAMBS EXTENDING FROM DOOR HEAD TO CEILING. CONSIDERATION SHALL ALSO BE GIVEN TO LOCATING CONTROL JOINTS FROM FLOOR TO CEILING AT EITHER EDGE OF LARGE WINDOW OPENINGS.
 - COORDINATE ALL CHASE SIZES AND LOCATIONS W/ MECHANICAL. PROVIDE CHASES AT ALL EXPOSED MECHANICAL & ELECTRICAL WITH ADJACENT WALL MATERIAL AS REQUIRED.
 - COORDINATE ALL SHEAR WALL LOCATIONS W/ STRUCTURAL PLANS.
 - THE AIR & MOISTURE WEATHER BARRIER IS TO BE CONTINUOUS FROM THE BASE OF THE WALLS UP TO & TYING INTO THE ROOF BARRIER SYSTEM.
 - SEE FINISH LEGEND FOR DOOR FRAME FINISH.

KEYNOTE SCHEDULE

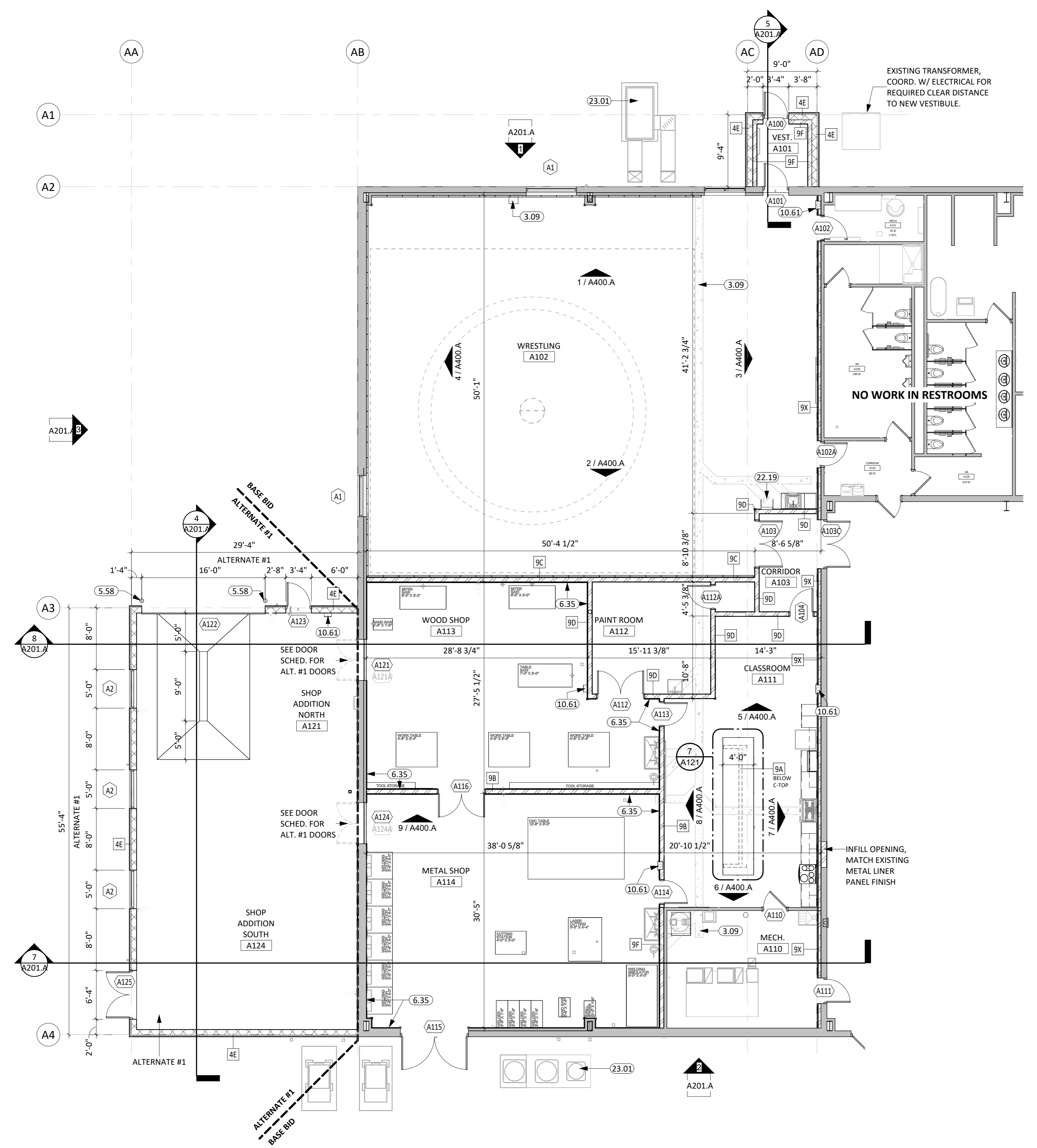
3.09	PATCH CONCRETE AT NEW BELOW GRADE PLUMBING LOCATIONS, COORD. WITH M.E.P.
5.01	STRUCTURAL STEEL COLUMN (SEE ARCH. & STRUCT.)
5.58	PIPE BOLLARD (FILL W/CONC.) (SEE ARCH. & STRUCT.)
6.35	3/4" PLYWOOD
10.61	FIRE EXTINGUISHER AND WALL CABINET
22.19	EKAY BOTTLE FILLING STATION, SEE MECH.
23.01	HVAC UNIT (SEE MECH.)
23.10	DUCTWORK (SEE MECH.)



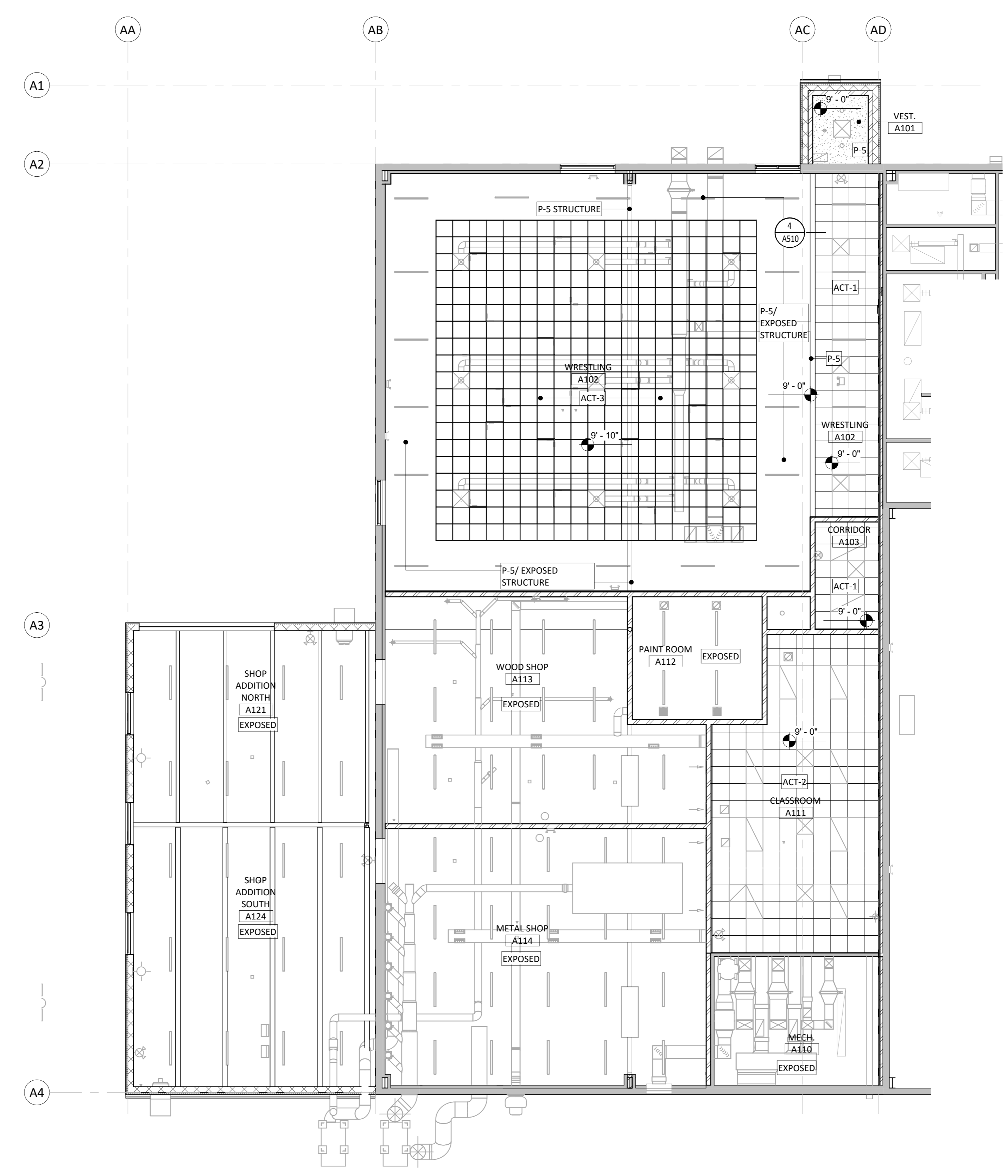
STORAGE MEZZANINE - AREA A
1/8" = 1'-0"



ENTRY DOOR - ALTERNATE #3
1/8" = 1'-0"

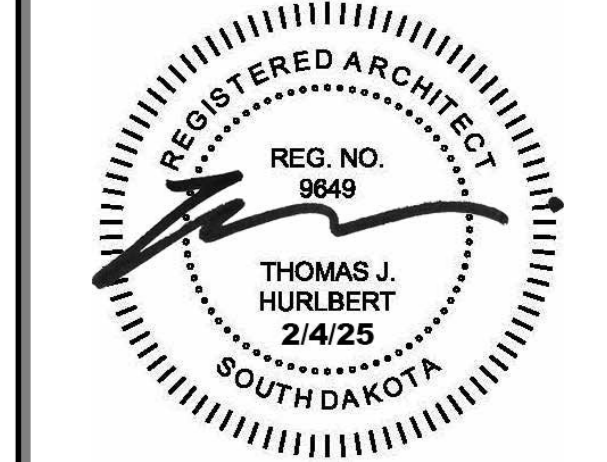


FIRST LEVEL PLAN - AREA A
1/8" = 1'-0"



FIRST LEVEL RCP - AREA A
1/8" = 1'-0"

CO-OP PROJECT NO: 2447



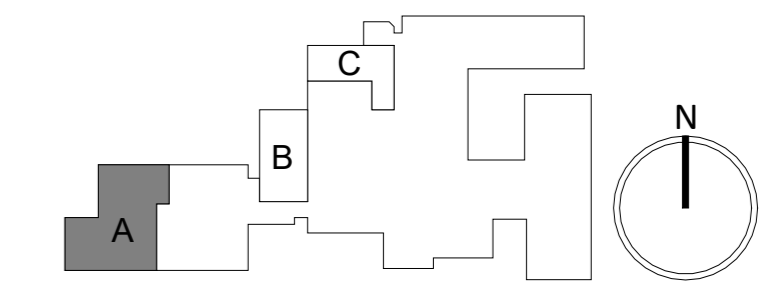
ISSUE:
2/4/2025 100% CONSTRUCTION DOCUMENTS

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
FLOOR PLANS - FIRST LEVEL - AREA A

A101.A

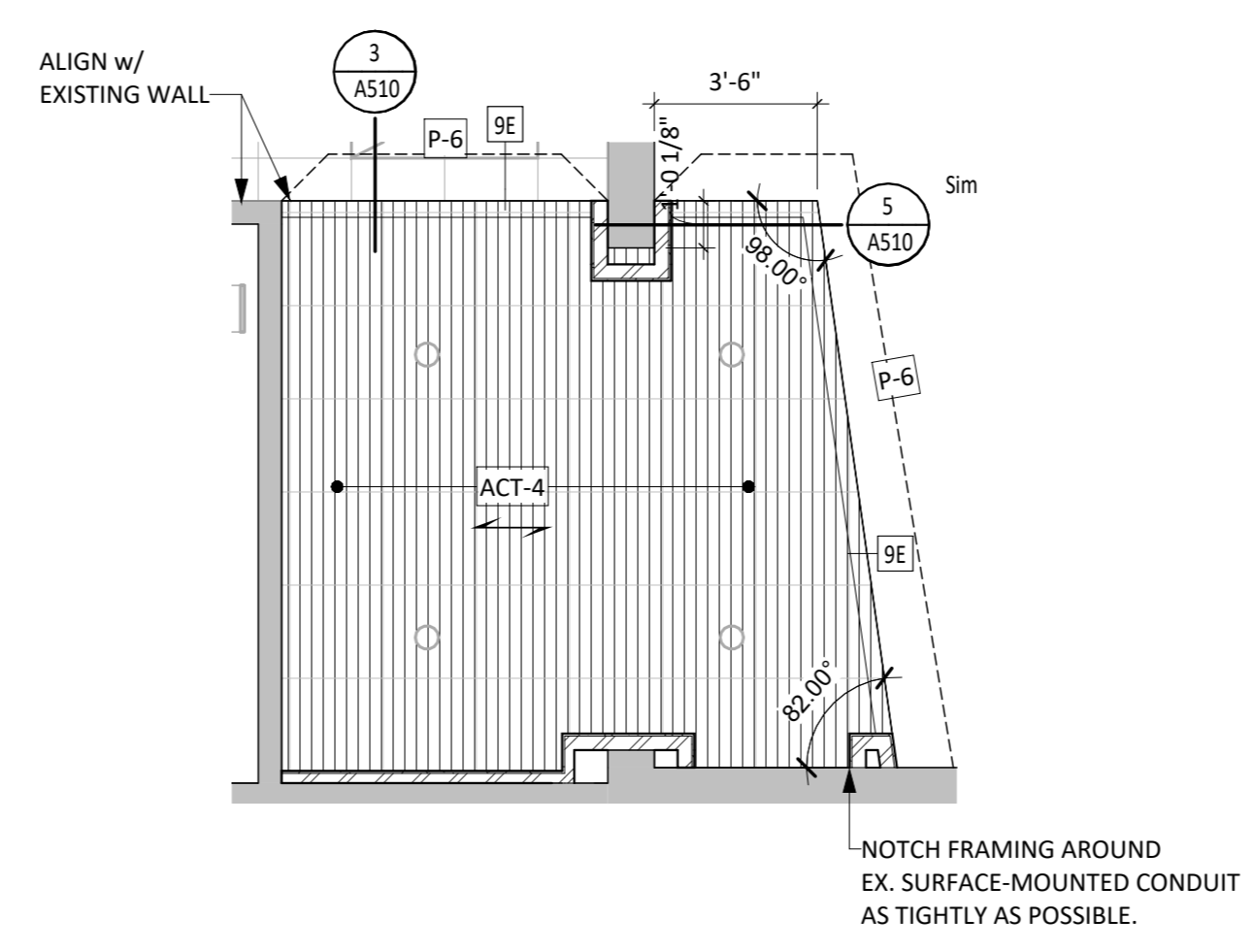


GENERAL NOTES

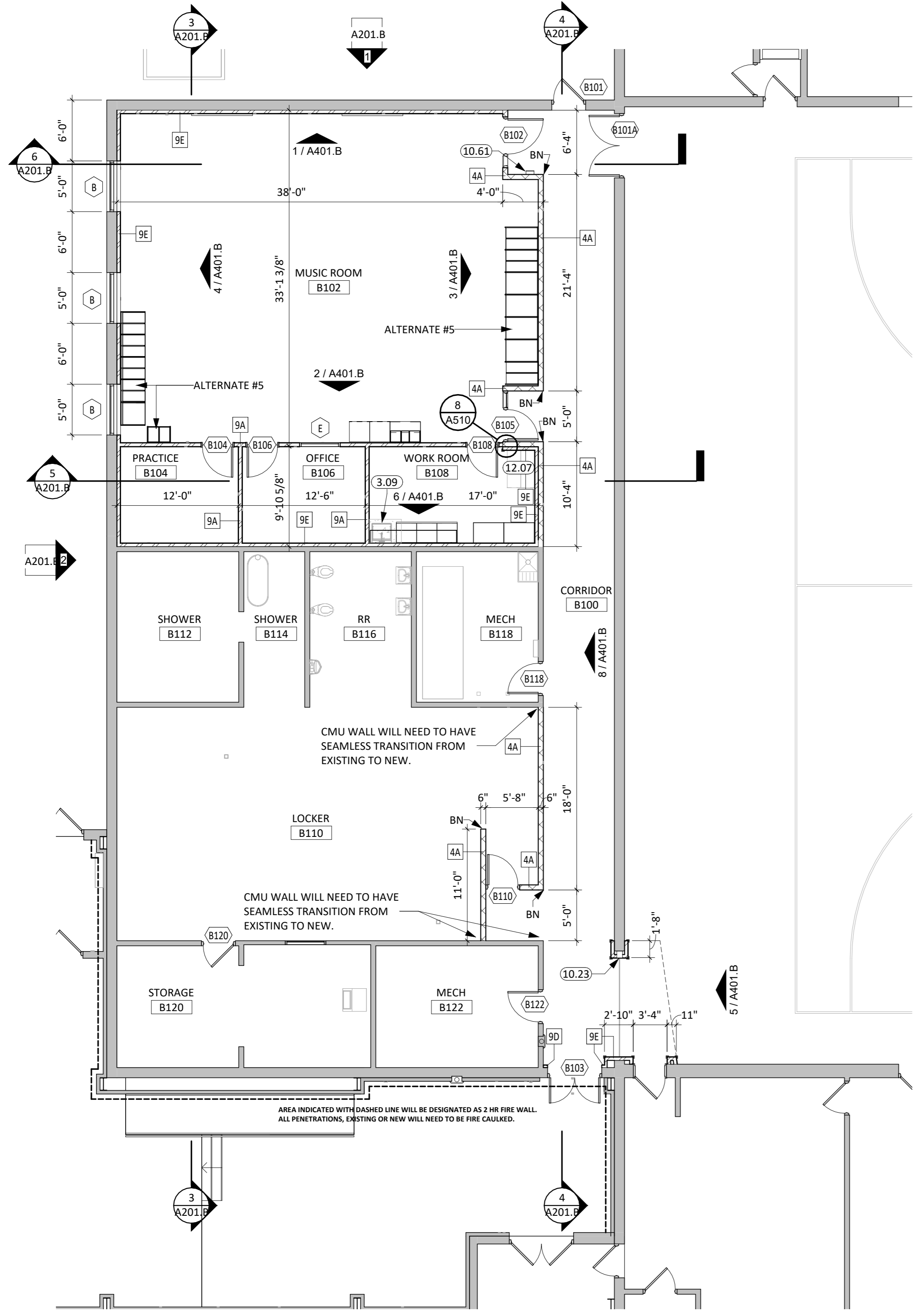
1. FIRE RATED WALL ARE INDICATED ON THE CODE PLANS.
2. PROVIDE FIRE EXTINGUISHERS AND CABINETS AS SHOWN ON THE CODE PLAN(S).
3. REFER TO SHEET **6002** FOR ADA STANDARDS.
4. REFER TO SHEET **6002** FOR WALL, ROOF, AND FLOOR TYPES.
5. INTERIOR DIMENSIONS ARE FROM FACE OF STUD/CMU TO FACE OF STUD/CMU UNLESS OTHERWISE NOTED. DIMENSIONS TO EXISTING WALLS ARE TO FACE OF FINISH. CONTRACTOR TO VERIFY DIMENSIONS AND NOTIFY ARCHITECT OF DISCREPANCIES.
6. ALL WALL TYPES TO EXTEND TO DECK UNLESS OTHERWISE NOTED ON WALL TYPES.
7. EXTERIOR DIMENSIONS ARE FROM FACE OF BRICK/SHEATHING UNLESS OTHERWISE NOTED.
8. COORDINATE WORK DONE BY OTHERS AS INDICATED ON THE DRAWINGS.
9. INCREASE WALL THICKNESS OF METAL STUD AND CONCRETE BLOCK WALLS AS REQUIRED TO ACCOMMODATE MECHANICAL AND ELECTRICAL DEVICES - VERIFY W/ ARCHITECT PRIOR TO WORK.
10. AT ALL NEW DISPLAY MONITOR LOCATIONS, PROVIDE SOLID BLOCKING FROM 53" TO 65" A.F.F. & 36" WIDE. SEE ELECTRICAL FOR DATA AND POWER REQUIREMENTS.
11. SEE MECHANICAL FOR ALL FLOOR DRAIN SIZES AND LOCATIONS U.N.O. SET FLOOR DRAINS MINIMUM 1/4" BELOW FINISHED FLOOR. PROVIDE EVEN SLOPE FROM WALL TO DRAIN W/ A MAXIMUM SLOPE OF 1/8" PER FOOT.
12. VERIFY DRYWALL CONTROL JOINT LOCATIONS W/ ARCHITECT ON SITE PRIOR TO INSTALLATION. THIS INCLUDES, BUT IS NOT LIMITED TO, CONTROL JOINTS AT 30'-0" O.C. MAX. IN LONG WALL EXPANSES. CONTROL JOINTS AT DOOR JAMBS EXTENDING FROM DOOR HEAD TO CEILING. CONSIDERATION SHALL ALSO BE GIVEN TO LOCATING CONTROL JOINTS FROM FLOOR TO CEILING AT EITHER EDGE OF LARGE WINDOW OPENINGS.
13. COORDINATE ALL CHASE SIZES AND LOCATIONS W/ MECHANICAL. PROVIDE CHASES AT ALL EXPOSED MECHANICAL & ELECTRICAL WITH ADJACENT WALL MATERIAL AS REQUIRED.
14. COORDINATE ALL SHEAR WALL LOCATIONS W/ STRUCTURAL PLANS.
15. THE AIR & MOISTURE WEATHER BARRIER IS TO BE CONTINUOUS FROM THE BASE OF THE WALLS UP TO & TYING INTO THE ROOF BARRIER SYSTEM.
16. SEE FINISH LEGEND FOR DOOR FRAME FINISH.

KEYNOTE SCHEDULE

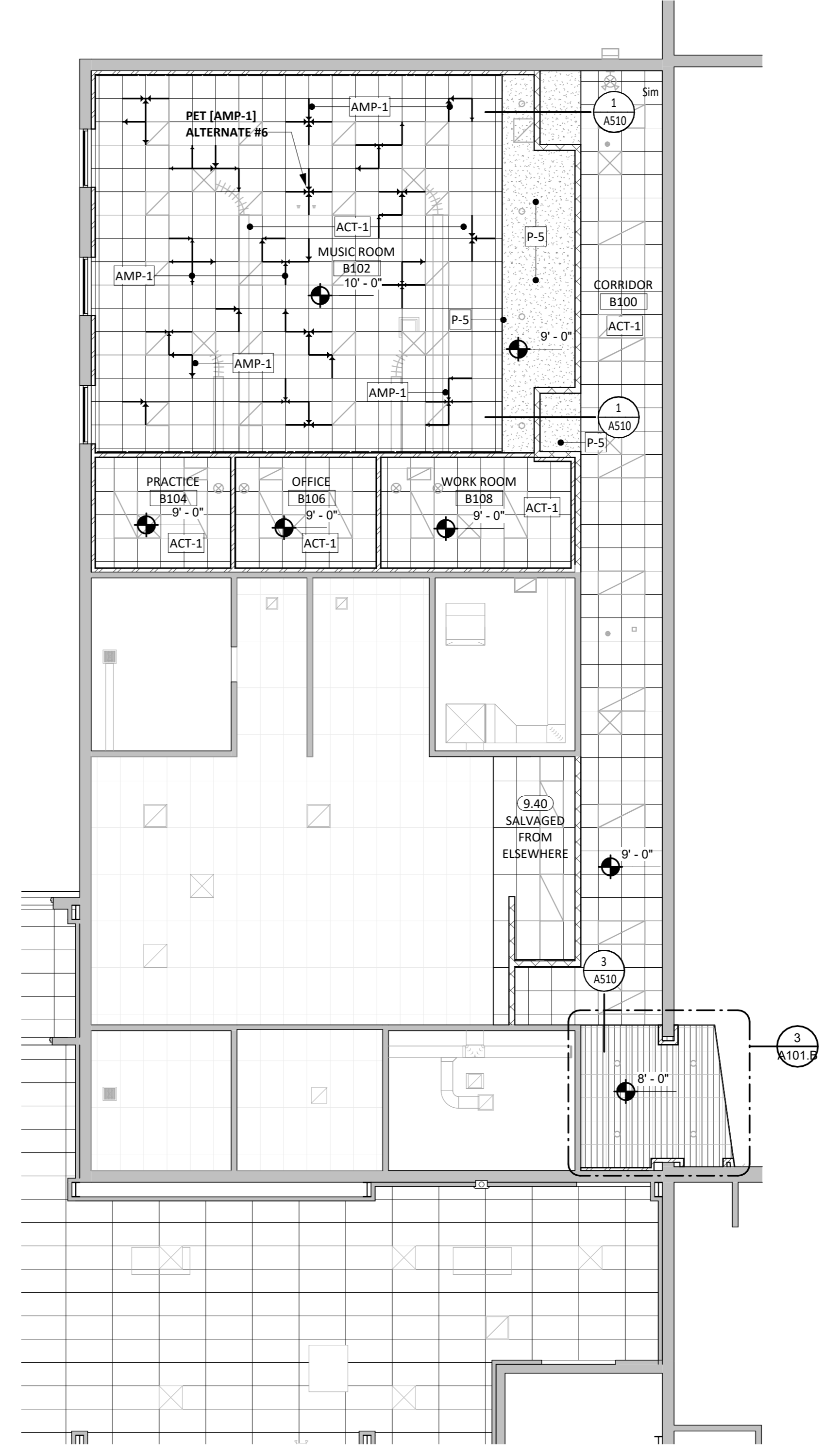
3.09	PATCH CONCRETE AT NEW BELOW GRADE PLUMBING LOCATIONS, COORD. WITH M.E.P.
9.40	ACOUSTICAL PANEL CEILING SYSTEM (COORD. W/ MECH. & ELEC. FOR FIXTURE REQ./LOCATIONS)
10.23	RE-INSTALL "AED" BOX AND SIGNAGE TO MEET APPLICABLE CODES, COORD. W/ ARCH.
10.61	FIRE EXTINGUISHER AND WALL CABINET
12.07	WENGER MUSIC SLIDER CABINET, PROVIDED BY SCHOOL



3 ENLARGED SOFFIT PLAN
3/4" = 1'-0"

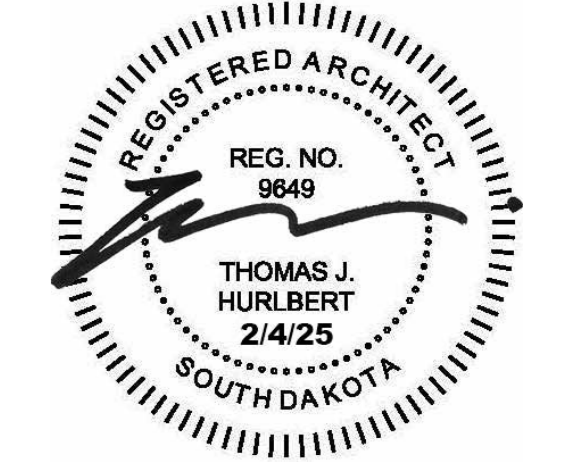


FIRST LEVEL PLAN - AREA B
1/8" = 1'-0"



FIRST LEVEL RCP - AREA B
1/8" = 1'-0"

CO-OP PROJECT NO: 2447



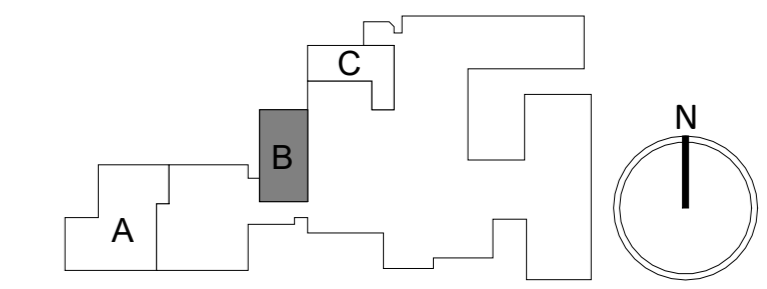
ISSUE:
2/4/2025 100% CONSTRUCTION DOCUMENTS

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
114 COURT STREET
FAULKTON, SOUTH DAKOTA

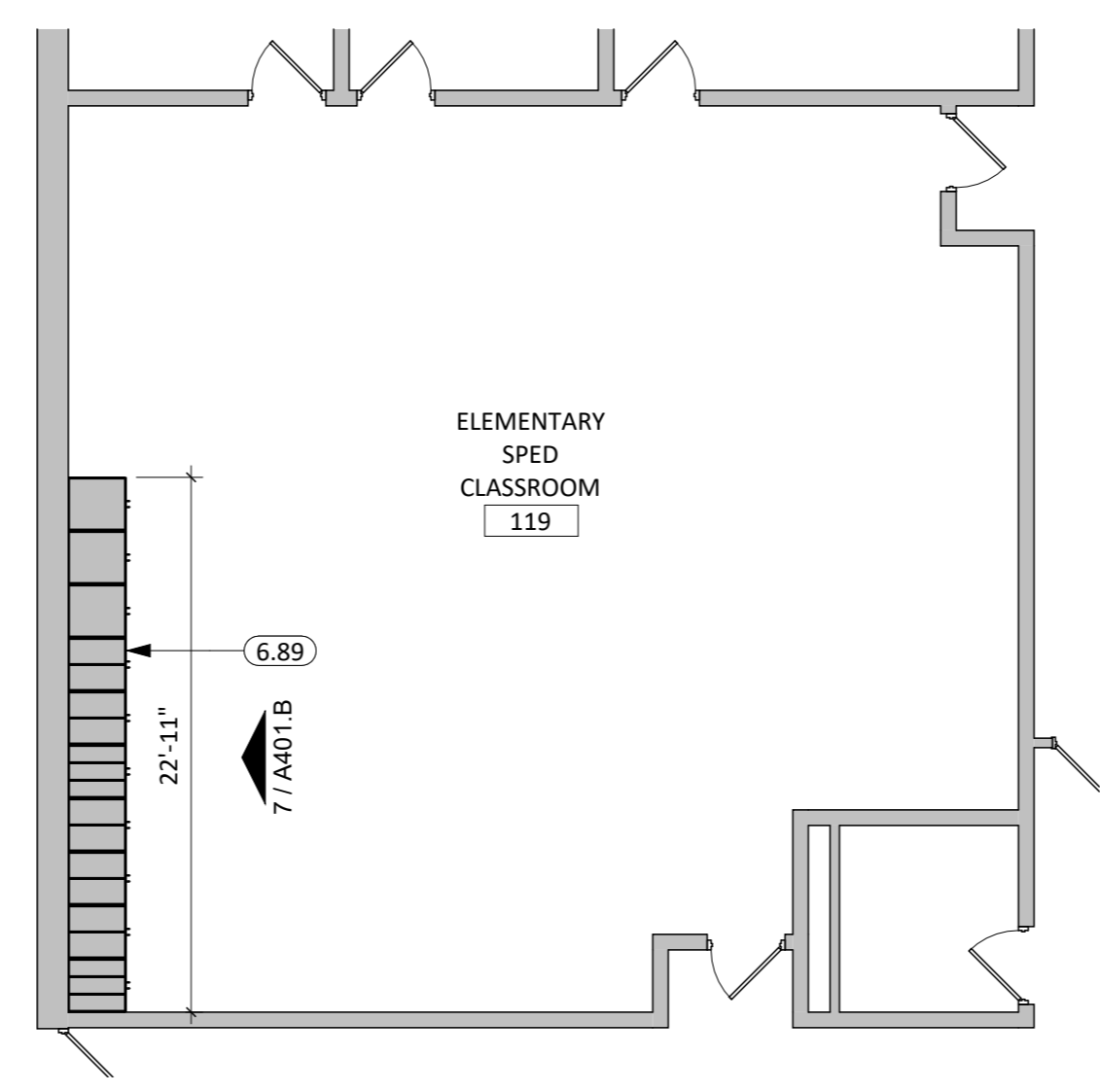
SHEET TITLE:
FLOOR PLANS - FIRST LEVEL - AREA B

A101.B

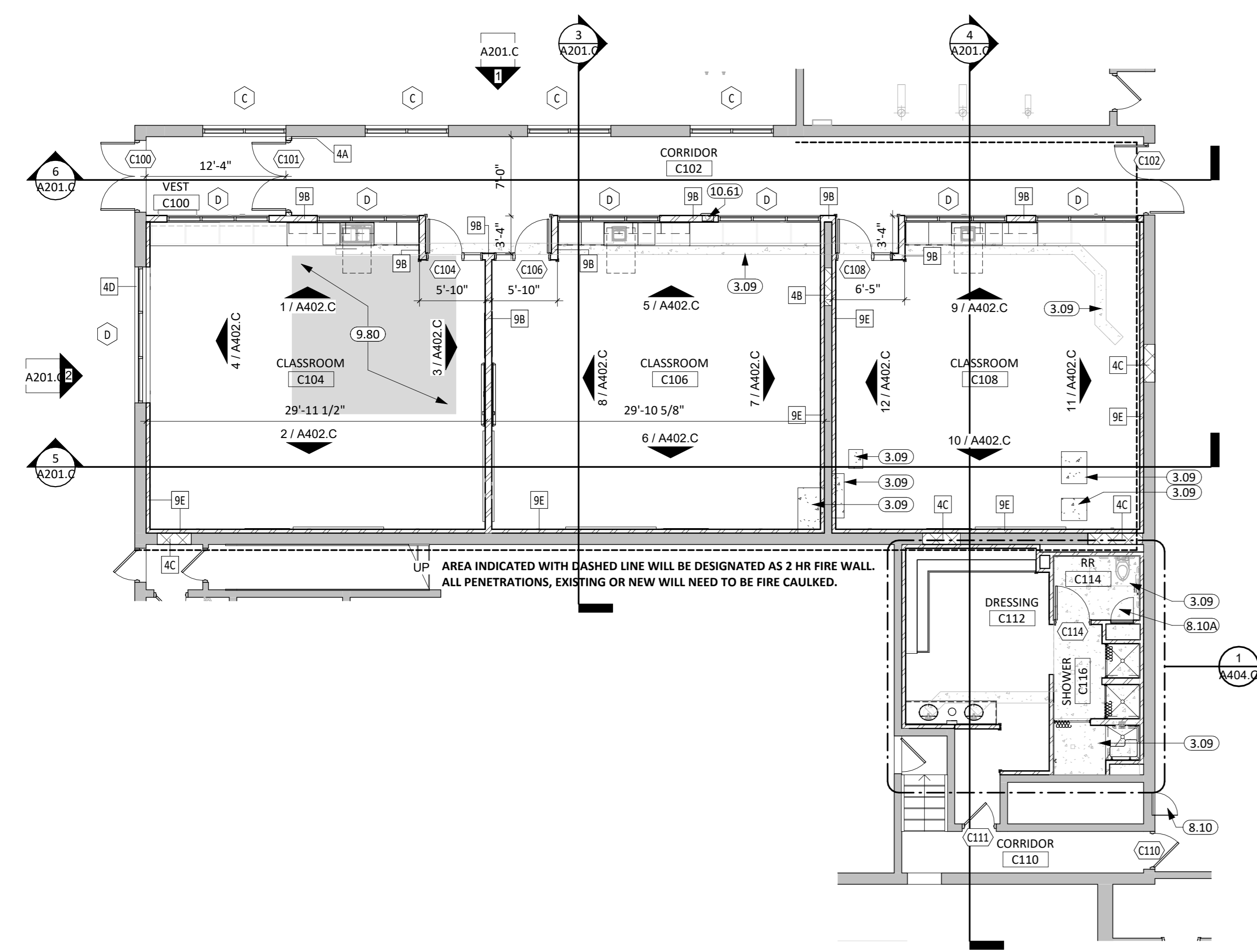


GENERAL NOTES	
1.	FIRE RATED WALL ARE INDICATED ON THE CODE PLANS.
2.	PROVIDE FIRE EXTINGUISHERS AND CABINETS AS SHOWN ON THE CODE PLAN(S).
3.	REFER TO SHEET 6000 FOR ADA STANDARDS.
4.	REFER TO SHEET 6002 FOR WALL, ROOF, AND FLOOR TYPES.
5.	INTERIOR DIMENSIONS ARE FROM FACE OF STUD/CMU TO FACE OF STUD/CMU UNLESS OTHERWISE NOTED. DIMENSIONS TO EXISTING WALLS ARE TO FACE OF FINISH, CONTRACTOR TO VERIFY DIMENSIONS AND NOTIFY ARCHITECT OF DISCREPANCIES.
6.	ALL WALL TYPES TO EXTEND TO DECK UNLESS OTHERWISE NOTED ON WALL TYPES.
7.	EXTERIOR DIMENSIONS ARE FROM FACE OF BRICK/SHEATHING UNLESS OTHERWISE NOTED.
8.	COORDINATE WORK DONE BY OTHERS AS INDICATED ON THE DRAWINGS.
9.	INCREASE WALL THICKNESS OF METAL STUD AND CONCRETE BLOCK WALLS AS REQUIRED TO ACCOMMODATE MECHANICAL AND ELECTRICAL DEVICES - VERIFY W/ ARCHITECT PRIOR TO WORK.
10.	AT ALL NEW DISPLAY MONITOR LOCATIONS, PROVIDE SOLID BLOCKING FROM 53" TO 65" A.F.F. & 36" WIDE. SEE ELECTRICAL FOR DATA AND POWER REQUIREMENTS.
11.	SEE MECHANICAL FOR ALL FLOOR DRAIN SIZES AND LOCATIONS U.N.D. SET FLOOR DRAINS MINIMUM 1/4" BELOW FINISHED FLOOR. PROVIDE EVEN SLOPE FROM WALL TO DRAIN W/ A MAXIMUM SLOPE OF 1/8" PER FOOT.
12.	VERIFY DRYWALL CONTROL JOINT LOCATIONS W/ ARCHITECT ON SITE PRIOR TO INSTALLATION. THIS INCLUDES, BUT IS NOT LIMITED TO, CONTROL JOINTS AT 30'-0" O.C. MAX. IN LONG WALL EXPANSES. CONTROL JOINTS AT DOOR JAMBS EXTENDING FROM DOOR HEAD TO CEILING. CONSIDERATION SHALL ALSO BE GIVEN TO LOCATING CONTROL JOINTS FROM FLOOR TO CEILING AT EITHER EDGE OF LARGE WINDOW OPENINGS.
13.	COORDINATE ALL CHASE SIZES AND LOCATIONS W/ MECHANICAL. PROVIDE CHASES AT ALL EXPOSED MECHANICAL & ELECTRICAL WITH ADJACENT WALL MATERIAL AS REQUIRED.
14.	COORDINATE ALL SHEAR WALL LOCATIONS W/ STRUCTURAL PLANS.
15.	THE AIR & MOISTURE WEATHER BARRIER IS TO BE CONTINUOUS FROM THE BASE OF THE WALLS UP TO & TYING INTO THE ROOF BARRIER SYSTEM.
16.	SEE FINISH LEGEND FOR DOOR FRAME FINISH.

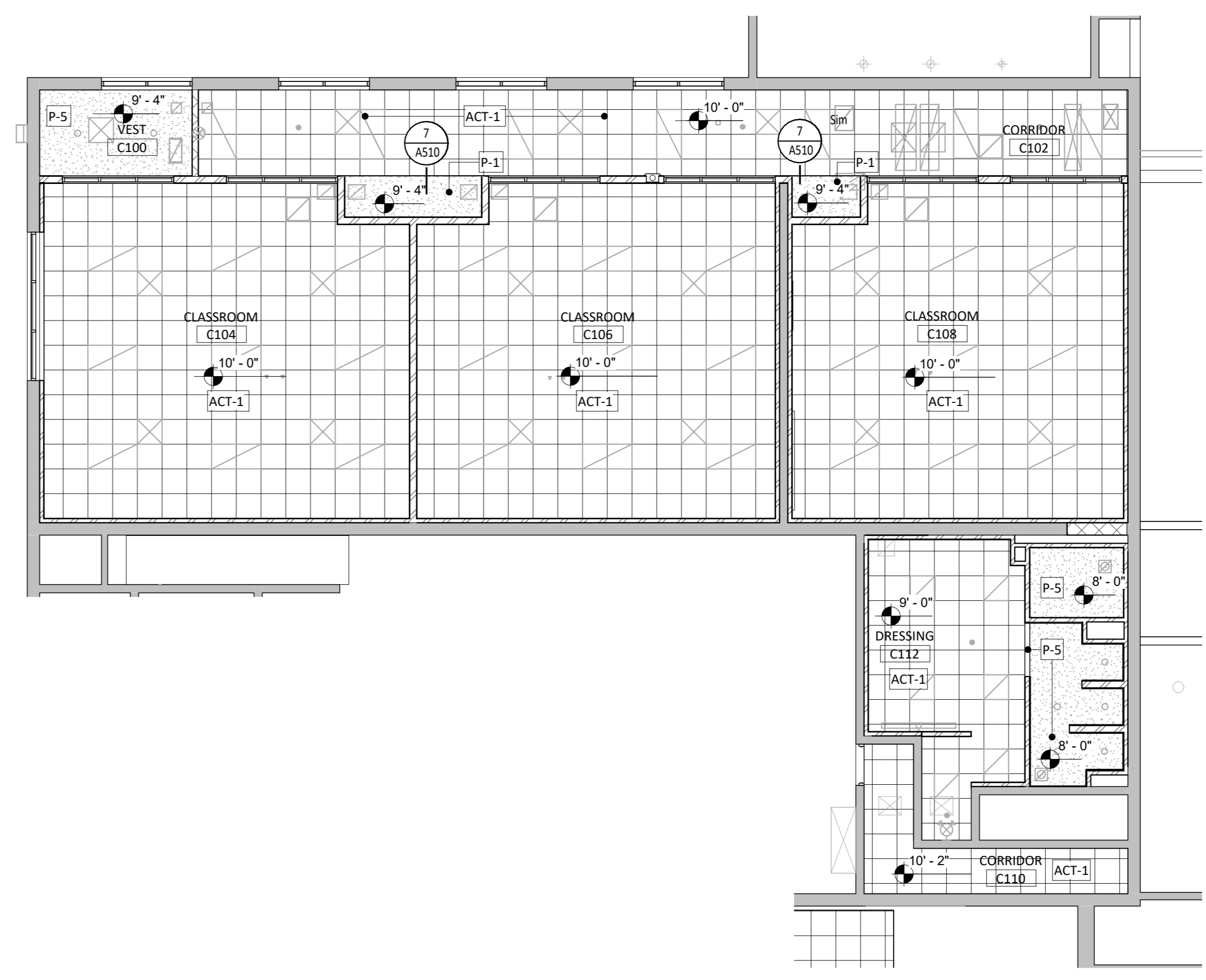
KEYNOTE SCHEDULE	
3.09	PATCH CONCRETE AT NEW BELOW GRADE PLUMBING LOCATIONS, COORD. WITH M.E.P.
6.89	PLASTIC LAMINATE (PL-1) PARTIAL OVERLAY DOORS ON EXISTING MUSIC STORAGE CASEWORK - VERIFY EXISTING CASEWORK IN FIELD (ALTERNATE #7)
8.10	ACCESS DOOR & FRAME B.O.D.- WB-FR 800 SERIES 24"x36" (PAINT TO MATCH WALL)
8.10A	ACCESS DOOR & FRAME FOR CONDENSATE DRAIN AIR GAP (SEE MECH.)
9.80	PREP EXISTING FLOOR WHERE EXISTING FLOOR DRAIN WAS DEMOED WITH FLOOR LEVELER FOR FINISH FLOOR TO BE APPLIED
10.61	FIRE EXTINGUISHER AND WALL CABINET



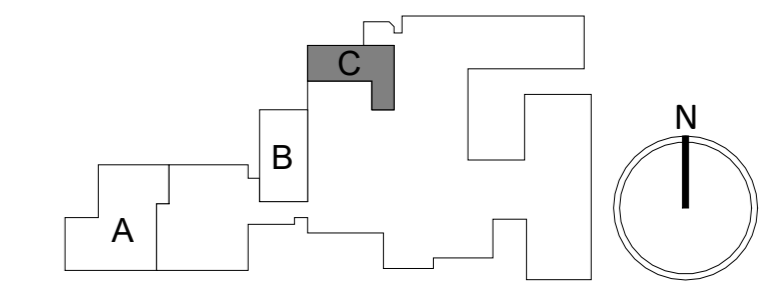
ELEMENTARY SPED CLASSROOM - ALTERNATE #7
1/8" = 1'-0"



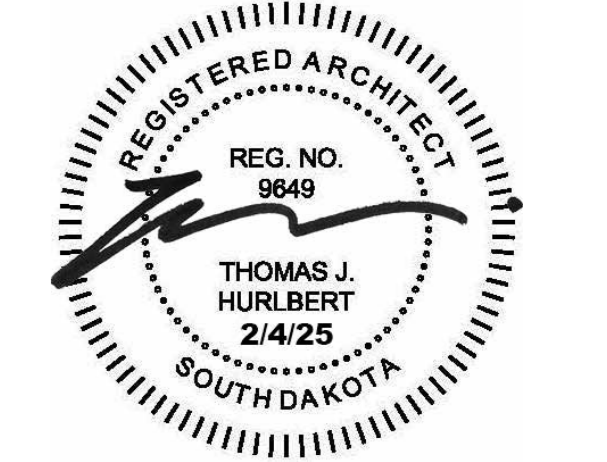
FIRST LEVEL PLAN - AREA C
1/8" = 1'-0"



FIRST LEVEL RCP - AREA C
1/8" = 1'-0"



CO-OP PROJECT NO: 2447



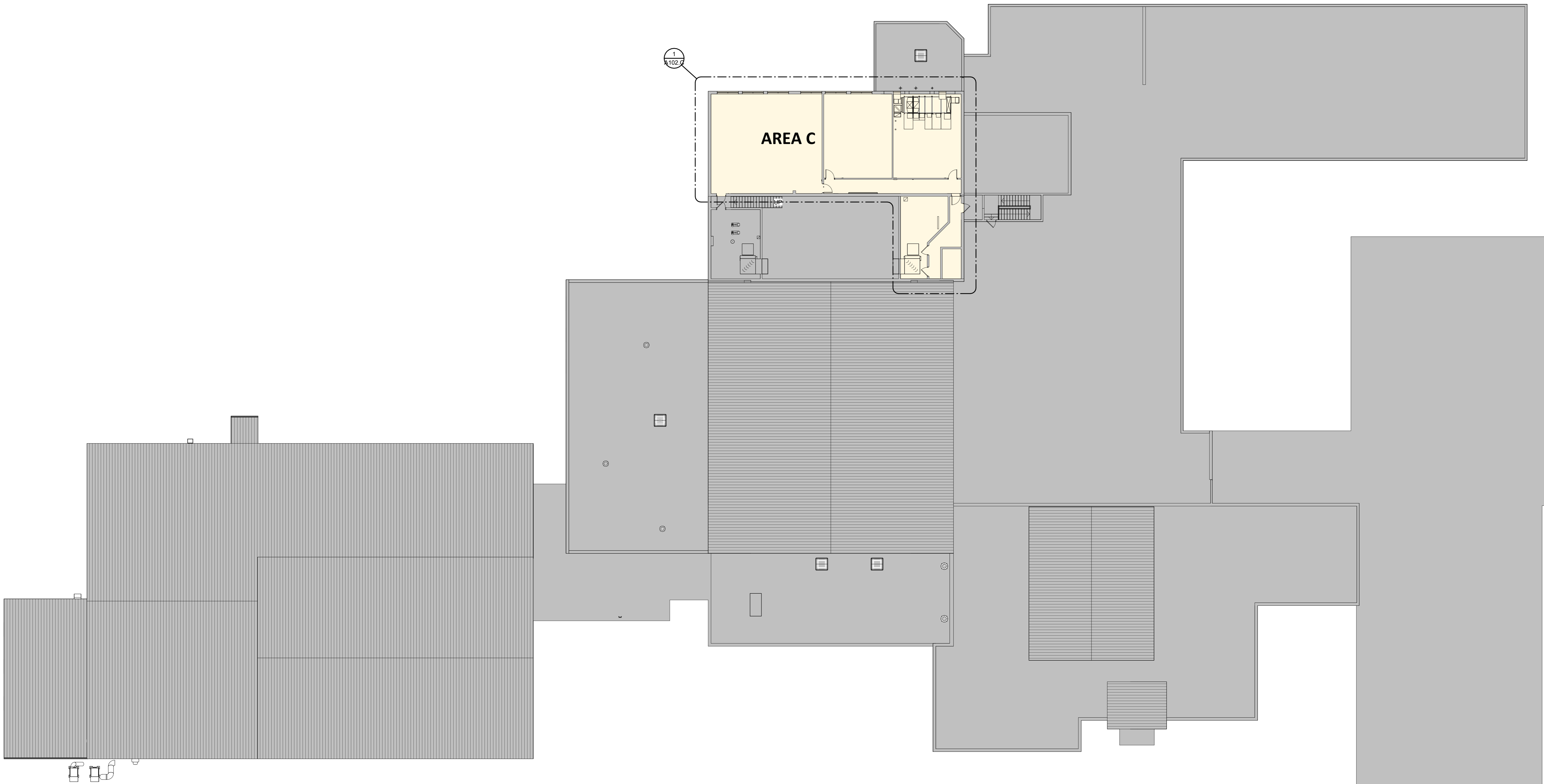
ISSUE:
2/4/2025 100% CONSTRUCTION DOCUMENTS

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

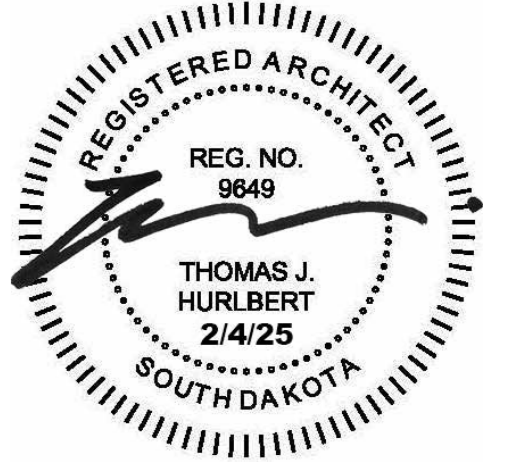
PROJECT:
FAULKTON SCHOOL RENOVATION
114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
FLOOR PLANS - FIRST LEVEL - AREA C

A101.C



CO-OP PROJECT NO: 2447



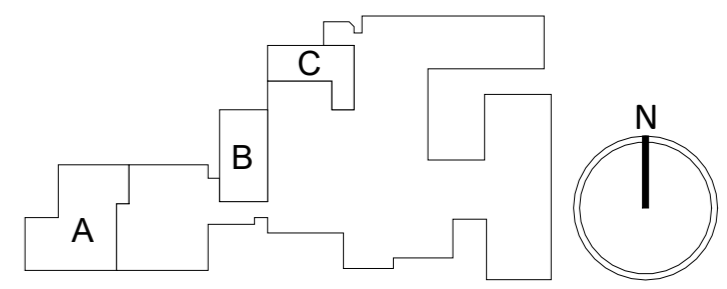
ISSUE:
2/4/2025 100% CONSTRUCTION DOCUMENTS

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
FLOOR PLAN - SECOND LEVEL -
OVERALL

A102



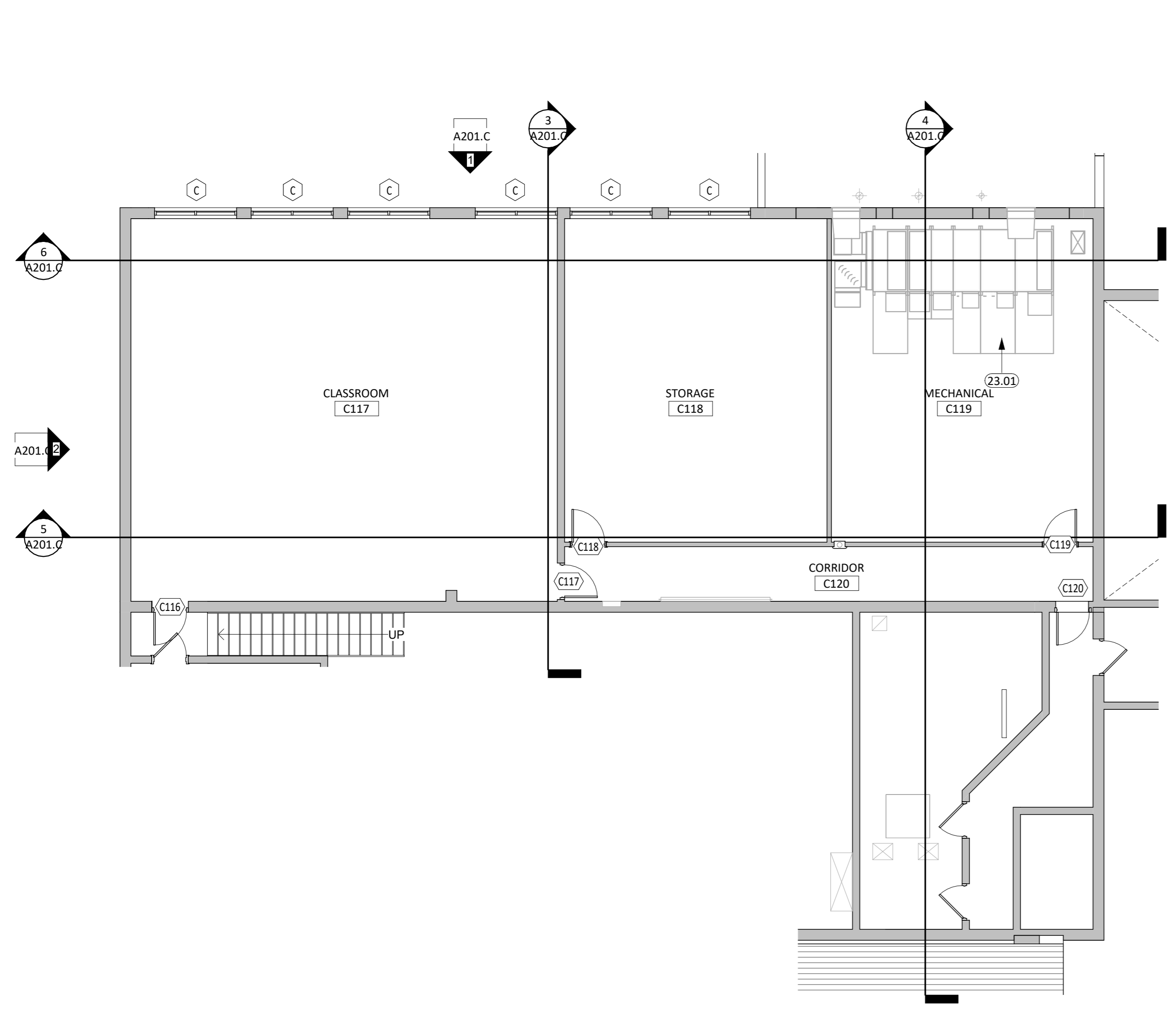
OVERALL PLAN - SECOND LEVEL

1/316" = 1'-0"

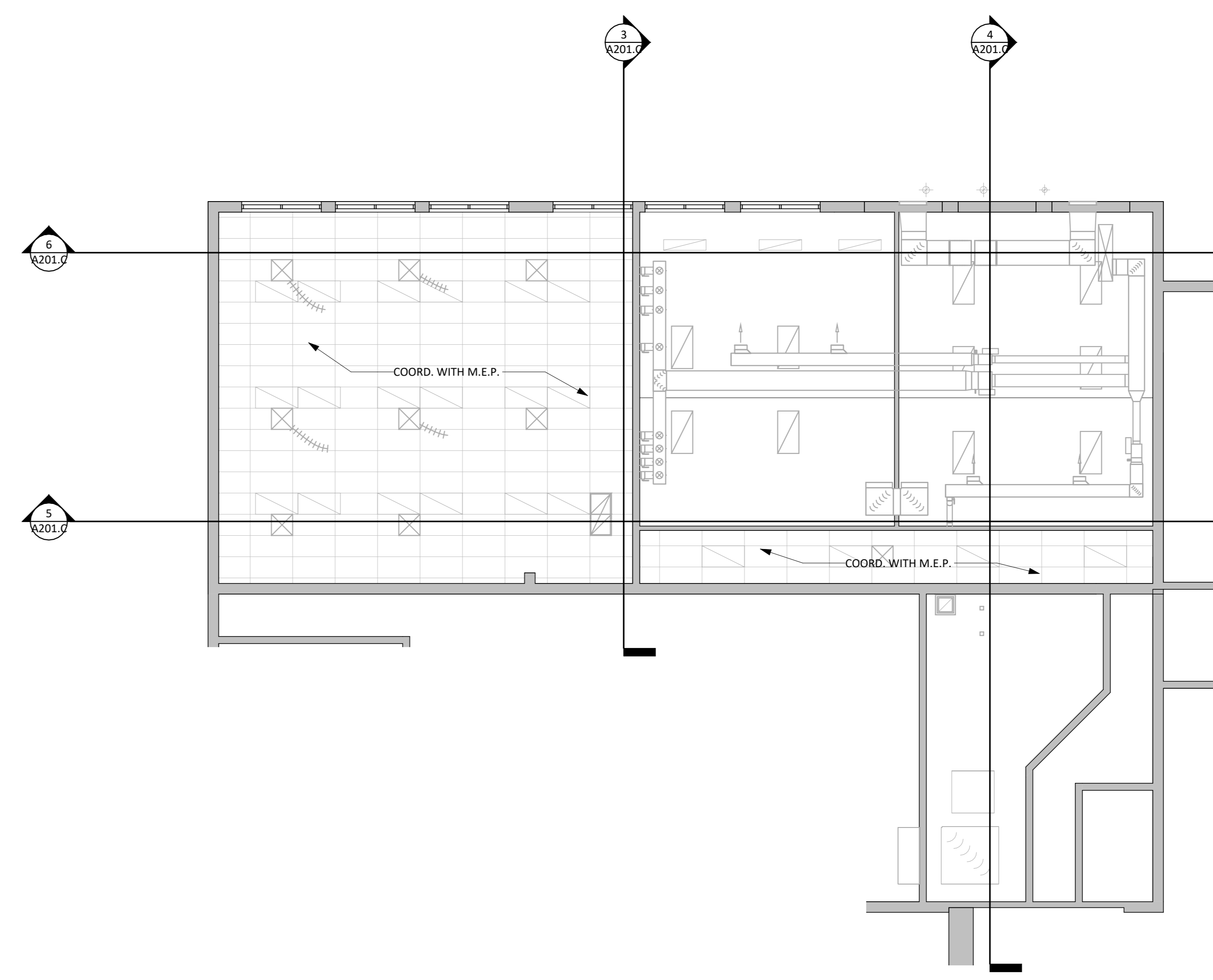
- GENERAL NOTES**
1. FIRE RATED WALL ARE INDICATED ON THE CODE PLANS.
 2. PROVIDE FIRE EXTINGUISHERS AND CABINETS AS SHOWN ON THE CODE PLAN(S).
 3. REFER TO SHEET **6000** FOR ADA STANDARDS.
 4. REFER TO SHEET **6002** FOR WALL, ROOF, AND FLOOR TYPES.
 5. INTERIOR DIMENSIONS ARE FROM FACE OF STUDO/CMU TO FACE OF STUDO/CMU UNLESS OTHERWISE NOTED. DIMENSIONS TO EXISTING WALLS ARE TO FACE OF FINISH, CONTRACTOR TO VERIFY DIMENSIONS AND NOTIFY ARCHITECT OF DISCREPANCIES.
 6. ALL WALL TYPES TO EXTEND TO DECK UNLESS OTHERWISE NOTED ON WALL TYPES.
 7. EXTERIOR DIMENSIONS ARE FROM FACE OF BRICK/SHEATHING UNLESS OTHERWISE NOTED.
 8. COORDINATE WORK DONE BY OTHERS AS INDICATED ON THE DRAWINGS.
 9. INCREASE WALL THICKNESS OF METAL STUD AND CONCRETE BLOCK WALLS AS REQUIRED TO ACCOMMODATE MECHANICAL AND ELECTRICAL DEVICES - VERIFY W/ ARCHITECT PRIOR TO WORK.
 10. AT ALL NEW DISPLAY MONITOR LOCATIONS, PROVIDE SOLID BLOCKING FROM 53" TO 65" A.F.F. & 36" WIDE. SEE ELECTRICAL FOR DATA AND POWER REQUIREMENTS.
 11. SEE MECHANICAL FOR ALL FLOOR DRAIN SIZES AND LOCATIONS U.N.D. SET FLOOR DRAINS MINIMUM 1/4" BELOW FINISHED FLOOR. PROVIDE EVEN SLOPE FROM WALL TO DRAIN W/ A MAXIMUM SLOPE OF 1/8" PER FOOT.
 12. VERIFY DRYWALL CONTROL JOINT LOCATIONS W/ ARCHITECT ON SITE PRIOR TO INSTALLATION. THIS INCLUDES, BUT IS NOT LIMITED TO, CONTROL JOINTS AT 30'-0" O.C. MAX. IN LONG WALL EXPANSES. CONTROL JOINTS AT DOOR JAMBS EXTENDING FROM DOOR HEAD TO CEILING. CONSIDERATION SHALL ALSO BE GIVEN TO LOCATING CONTROL JOINTS FROM FLOOR TO CEILING AT EITHER EDGE OF LARGE WINDOW OPENINGS.
 13. COORDINATE ALL CHASE SIZES AND LOCATIONS W/ MECHANICAL. PROVIDE CHASES AT ALL EXPOSED MECHANICAL & ELECTRICAL WITH ADJACENT WALL MATERIAL AS REQUIRED.
 14. COORDINATE ALL SHEAR WALL LOCATIONS W/ STRUCTURAL PLANS.
 15. THE AIR & MOISTURE WEATHER BARRIER IS TO BE CONTINUOUS FROM THE BASE OF THE WALLS UP TO & TYING INTO THE ROOF BARRIER SYSTEM.
 16. SEE FINISH LEGEND FOR DOOR FRAME FINISH.

KEYNOTE SCHEDULE

23.01	HVAC UNIT (SEE MECH.)
-------	-----------------------

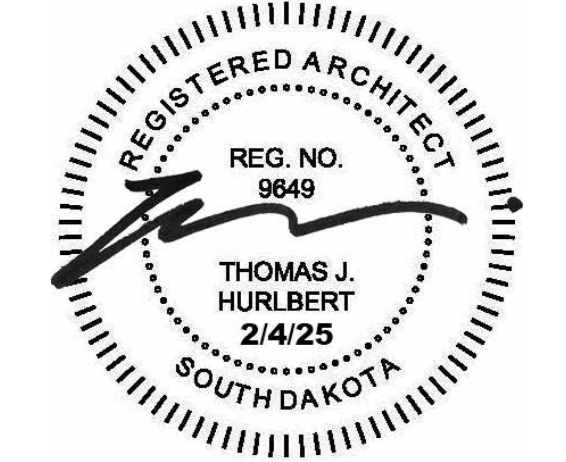


SECOND LEVEL PLAN - AREA C
1/8" = 1'-0"



SECOND LEVEL RCP - AREA C
1/8" = 1'-0"

CO-OP PROJECT NO: 2447



ISSUE:
2/4/2025 100% CONSTRUCTION DOCUMENTS

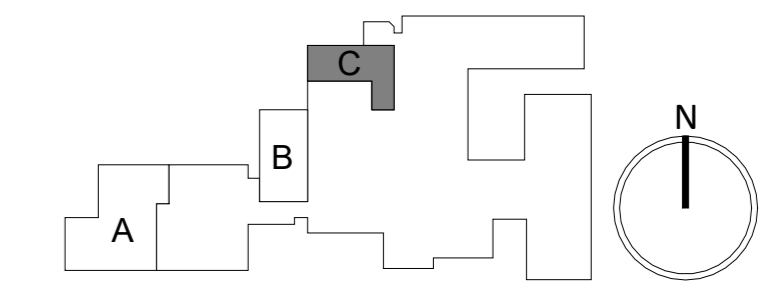
REVISION SCHEDULE:

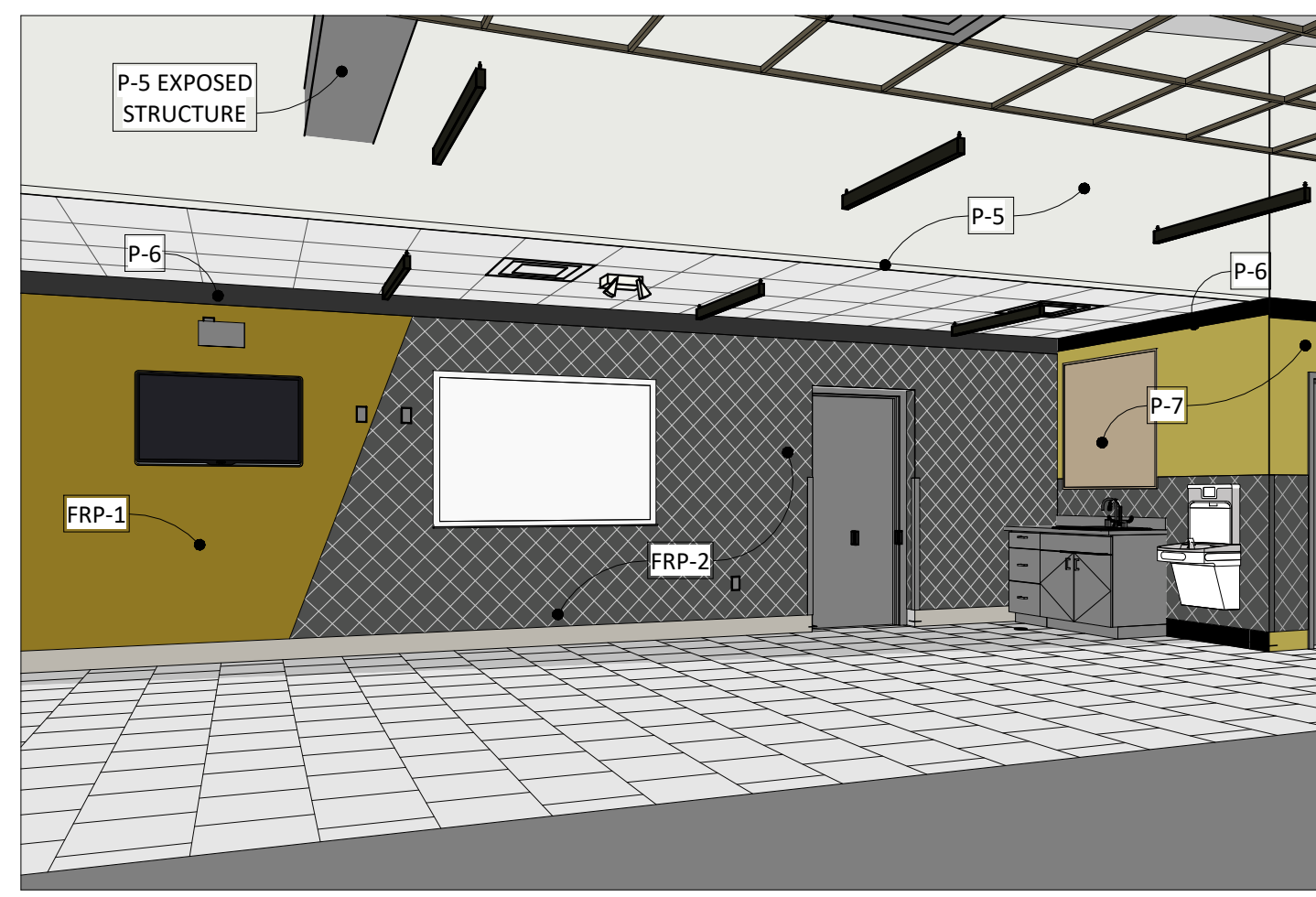
REV. #	REV. DSC.	REV. DATE
--------	-----------	-----------

PROJECT:
FAULKTON SCHOOL RENOVATION
114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
FLOOR PLANS - SECOND LEVEL - AREA C

A102.C

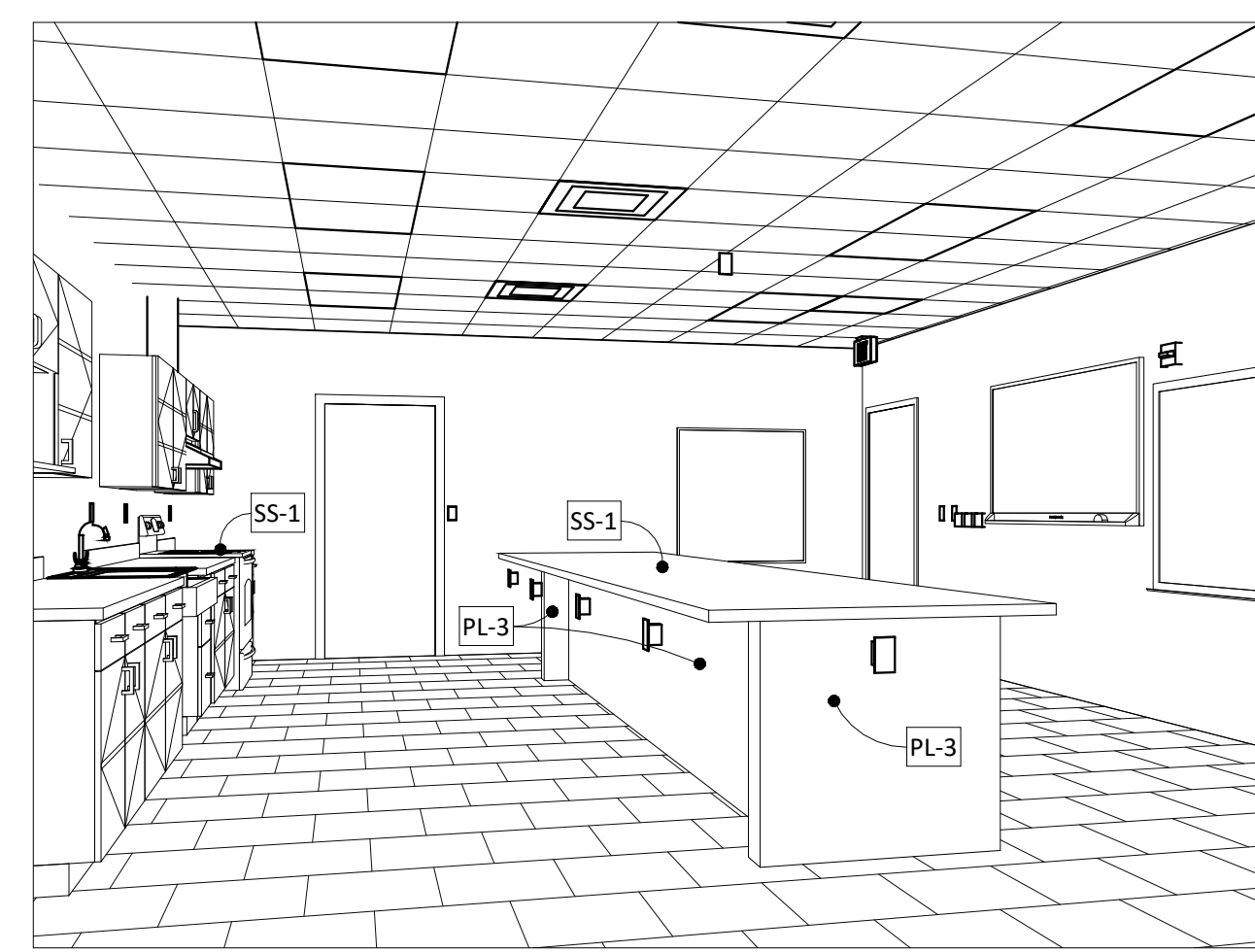




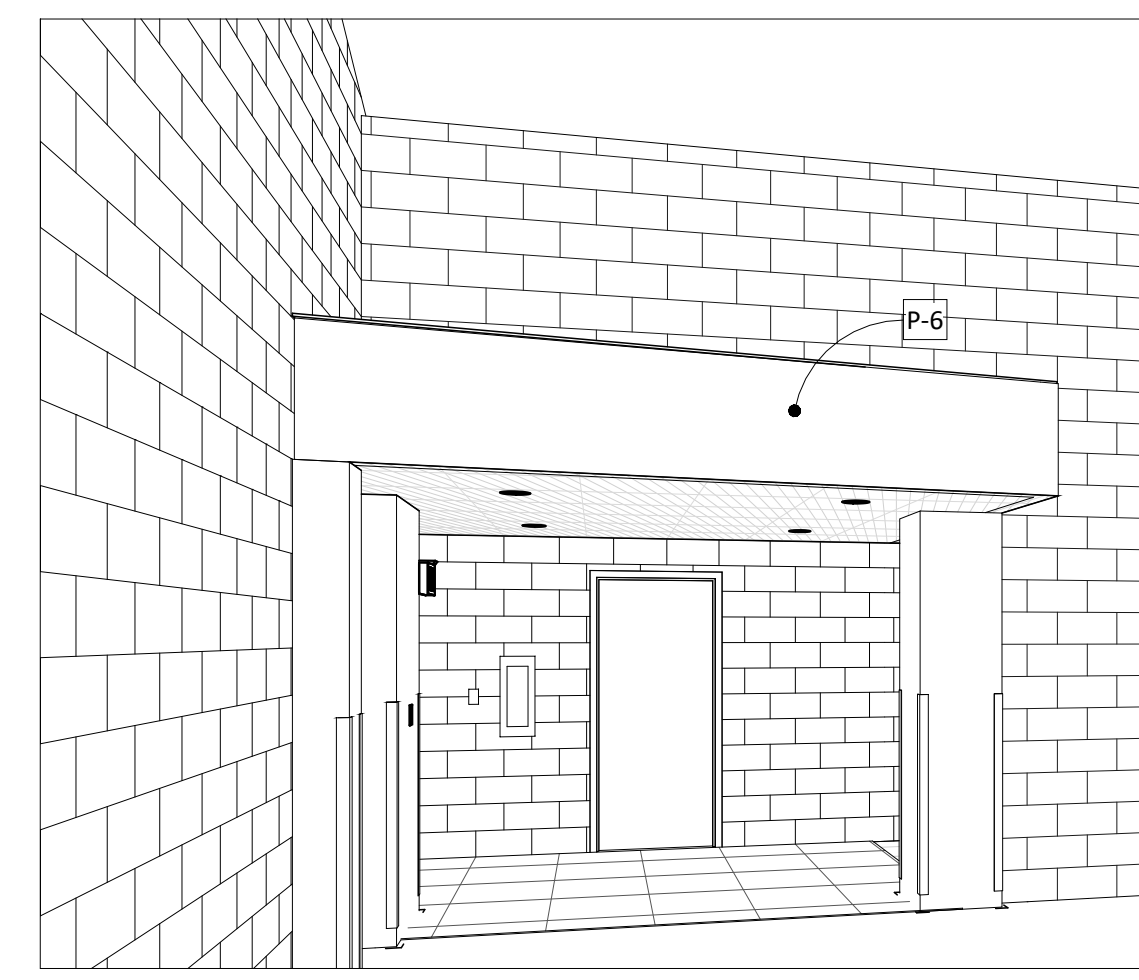
4 WRESTLING EAST ELEV. 3D



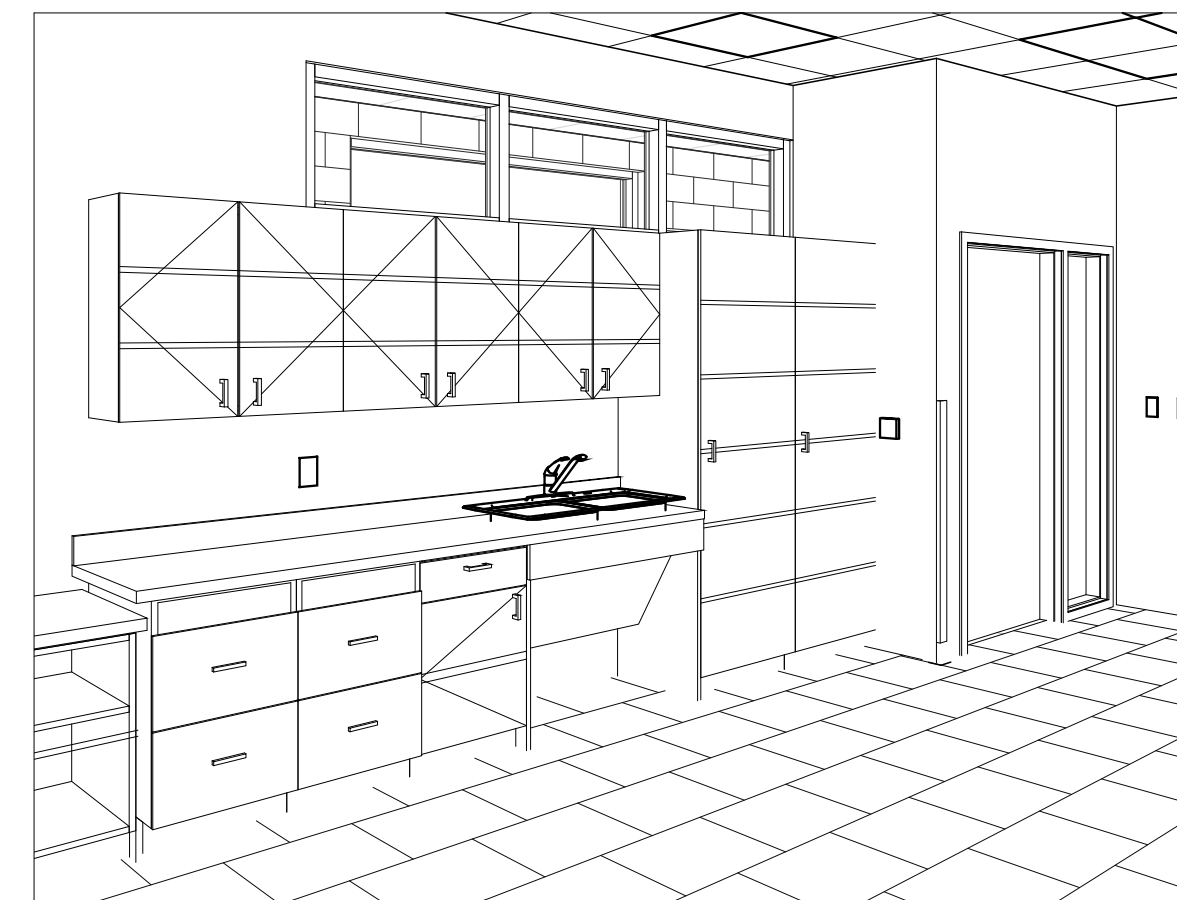
5 WRESTLING 3D- NW VIEW



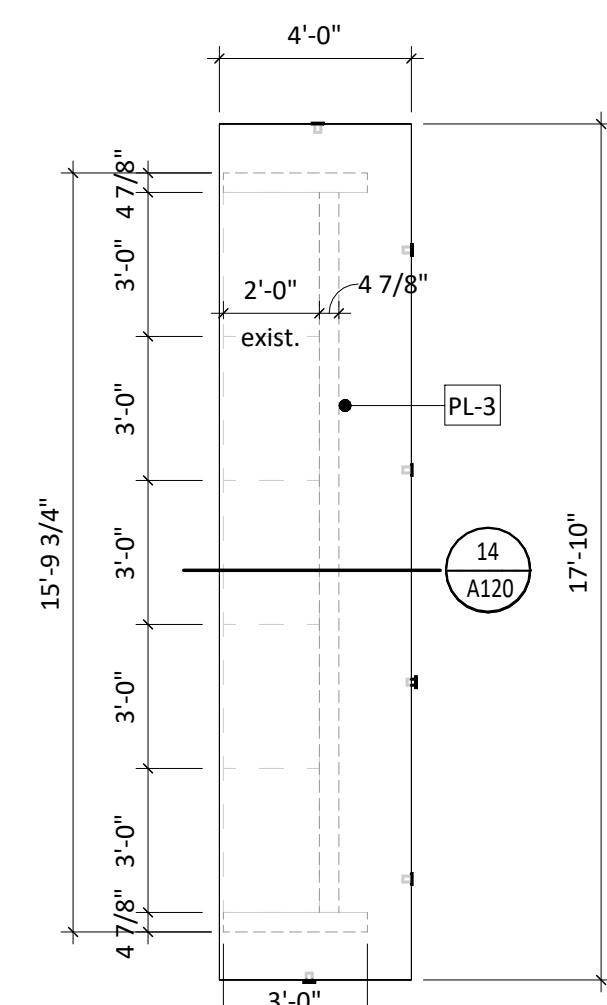
6 SHOP CLASSROOM - A111



8 GYM ENTRY- CONCEPT 3D



11 CLASSROOM TYP.



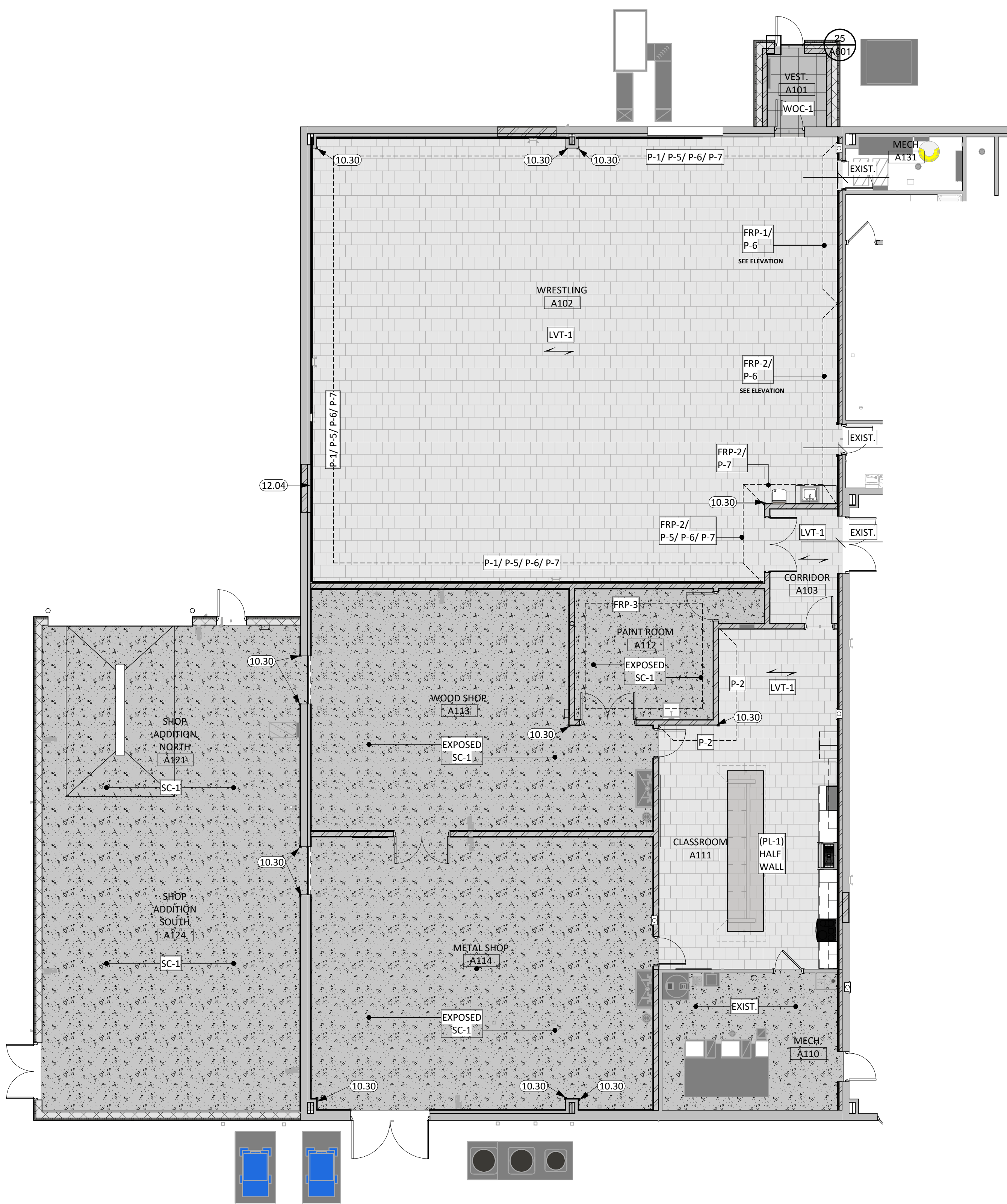
7 CLASSROOM ISLAND - A111
1/4" = 1'-0"

- GENERAL NOTES**
- REFER TO SHEET A120 FOR ROOM FINISH SCHEDULE AND LEGEND.
 - INTERIOR WALLS FINISHES ARE FULL HEIGHT, UNLESS OTHERWISE NOTED.
 - PROVIDE WATER-RESISTANT GYPSUM BOARD PANELS AT ALL BATHROOM WALLS AND ANY WALLS EXPOSED TO MOISTURE.
 - PROVIDE GLASS-MATT FACED GYPSUM SHEATHING BEHIND TILE FINISHES AT ALL SHOWERS AND BATHTUBS.
 - SEE FLOOR PLAN(S) AND INTERIOR ELEVATIONS FOR CASEWORK INFORMATION. FIELD VERIFY DIMENSIONS OF CASEWORK OPENINGS.

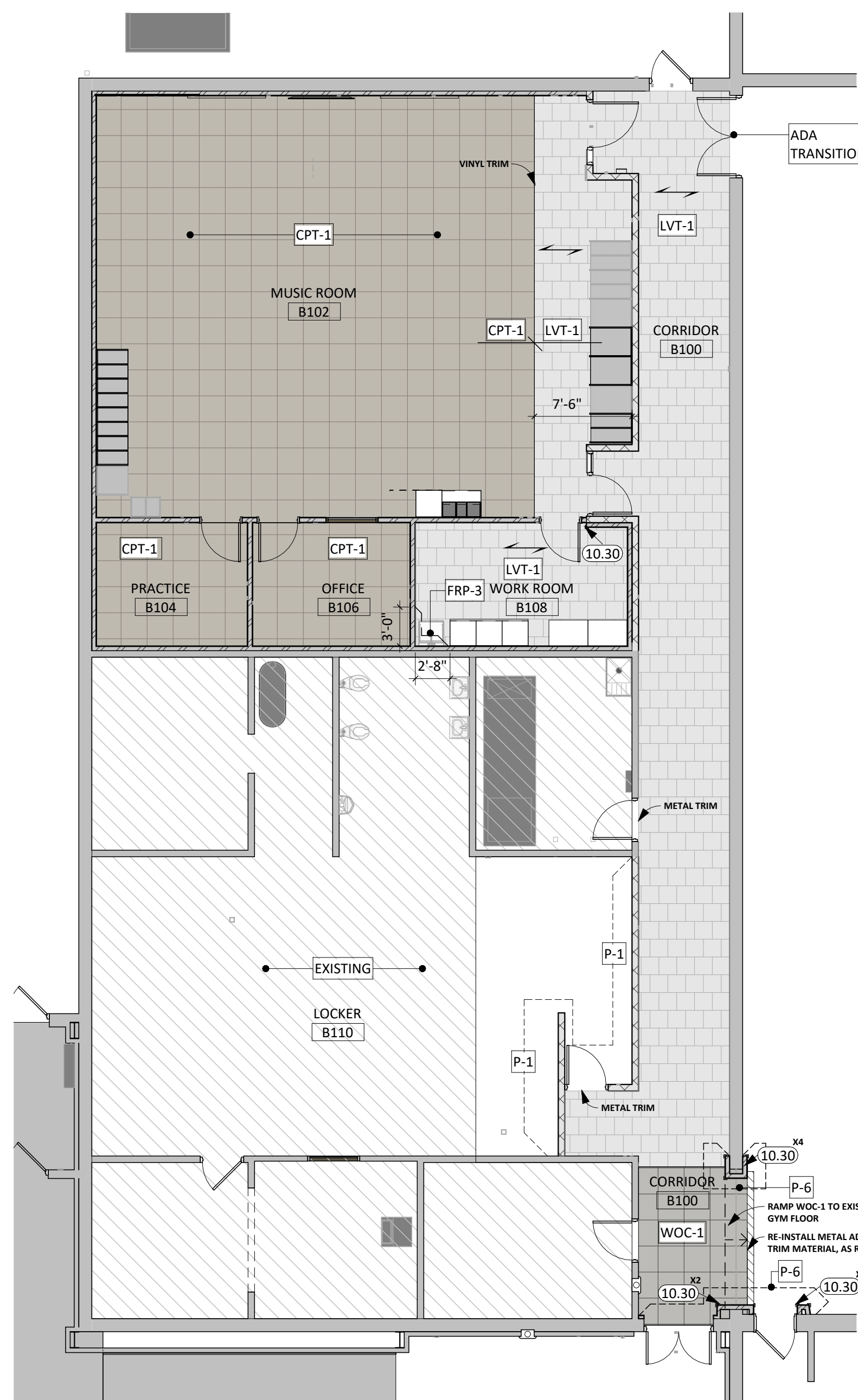
- GENERAL NOTES**
- ALL DIMENSIONS ARE FROM FACE OF FINISH MATERIAL UNLESS OTHERWISE NOTED.
 - REFER TO SPECIFICATIONS FOR CEILING AND FIXTURE SUSPENSION REQUIREMENTS.
 - PROVIDE ACCESS DOORS AT MECHANICAL UNIT LOCATIONS ABOVE CEILING. COORDINATE NUMBER REQUIRED AND LOCATIONS WITH MECHANICAL SHEETS.
 - CENTER CEILING GRID IN AREAS SUCH THAT THERE WILL BE NO CEILING TILE LESS THAN 6" IN THE SMALLEST DIMENSION, UNLESS OTHERWISE NOTED.
 - CENTER LIGHT FIXTURES BETWEEN WALLS AND/OR CEILING BULKHEADS UNLESS OTHERWISE DIMENSIONED.
 - IN EXPOSED TO STRUCTURE ROOMS, CENTER LIGHTS FIXTURES WITHIN ROOMS UNLESS OTHERWISE NOTED.
 - THE REFLECTED CEILING PLANS ARE INTENDED TO AID IN COORDINATION ONLY AND ARE NOT INTENDED TO BE COMPREHENSIVE. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. NOTIFY ARCHITECT WHERE CONFLICTS OCCUR.
 - PROVIDE WATER-RESISTANT GYPSUM BOARD PANELS AT ALL BATHROOM WALLS AND ANY WALLS EXPOSED TO MOISTURE.
 - PROVIDE GLASS-MATT FACED GYPSUM SHEATHING BEHIND TILE FINISHES AT ALL SHOWERS AND BATHTUBS.

KEYNOTE SCHEDULE

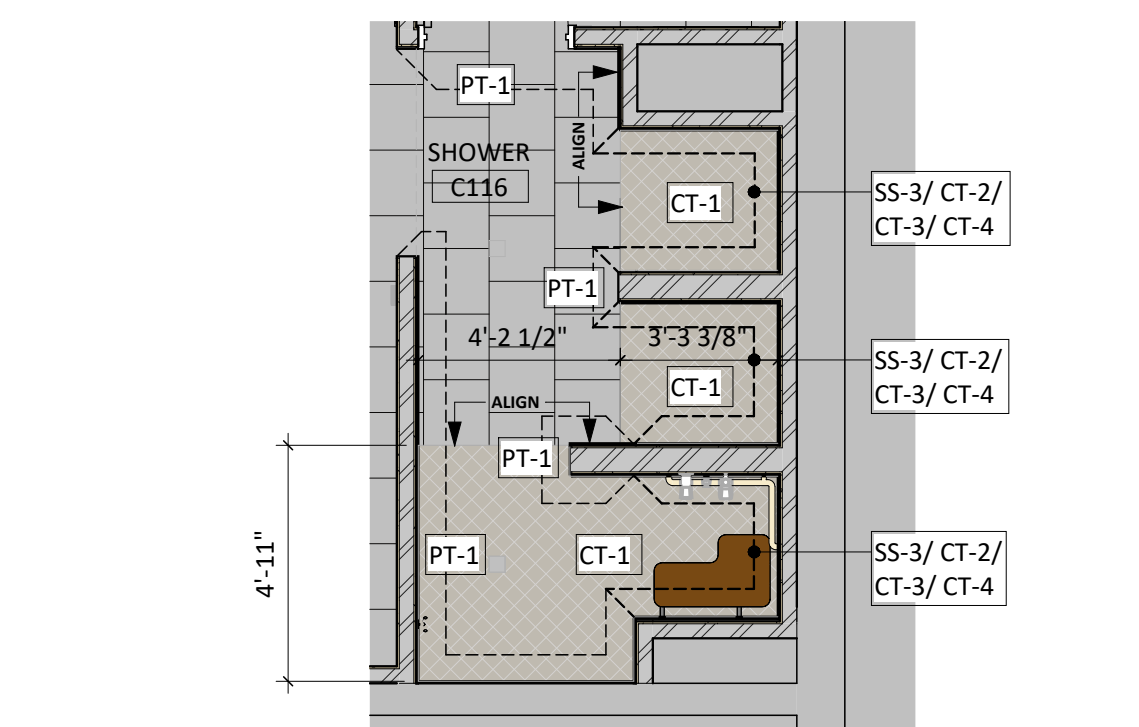
10.30	CORNER GUARDS
12.04	ROLLER WINDOW SHADES, SEE FINISH LEGEND



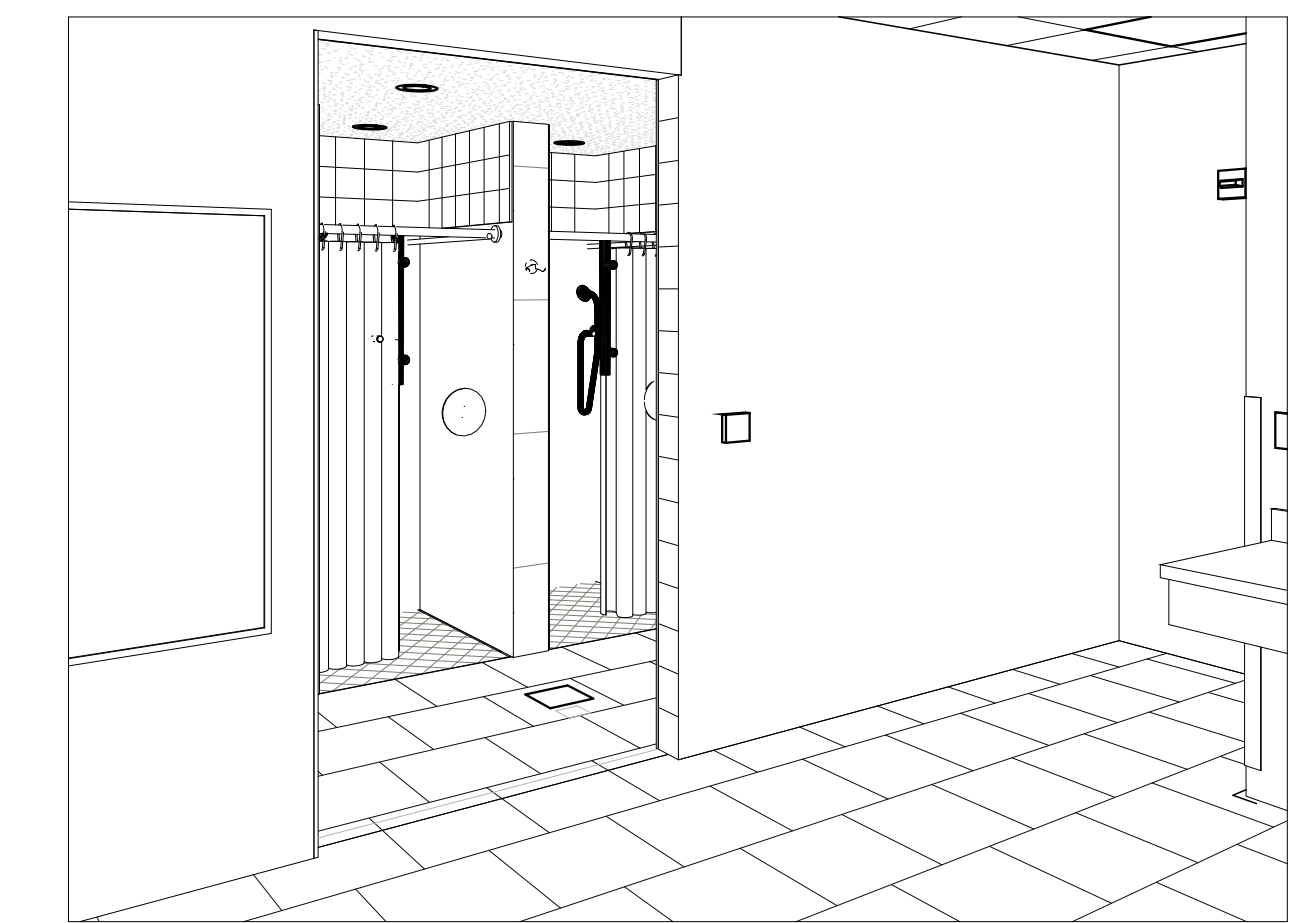
FIRST LEVEL - FINISH PLAN - AREA A
1/8" = 1'-0"



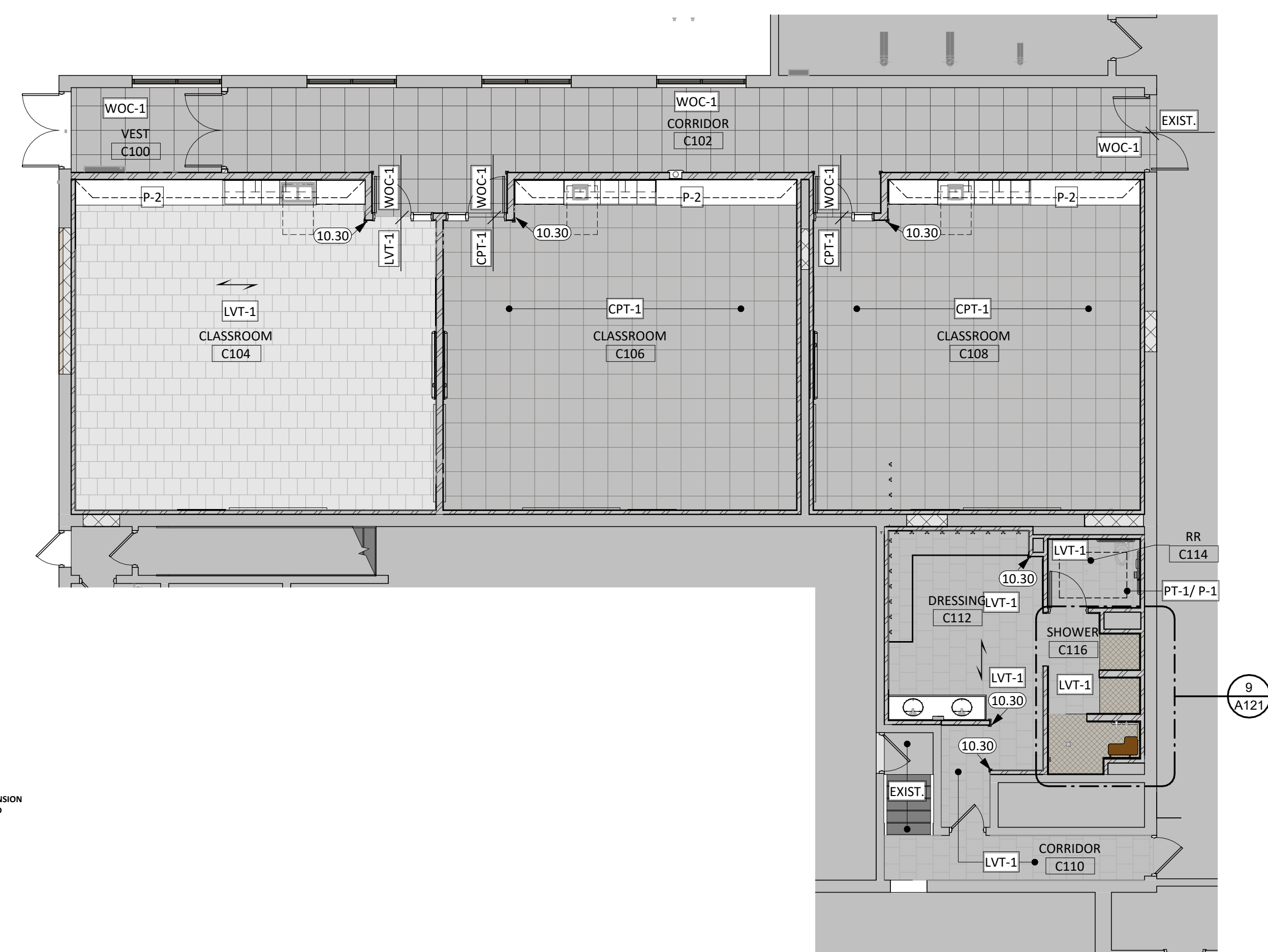
FIRST LEVEL - FINISH PLAN - AREA B
1/8" = 1'-0"



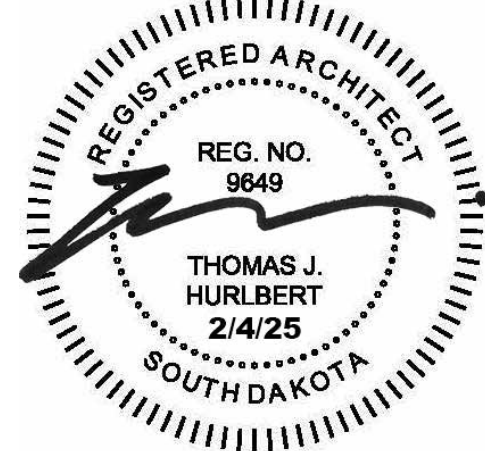
9 ENLARGED FINISH PLAN- SHOWERS
1/4" = 1'-0"



10 LOCKER ROOM



FIRST LEVEL - FINISH PLAN - AREA C
1/8" = 1'-0"



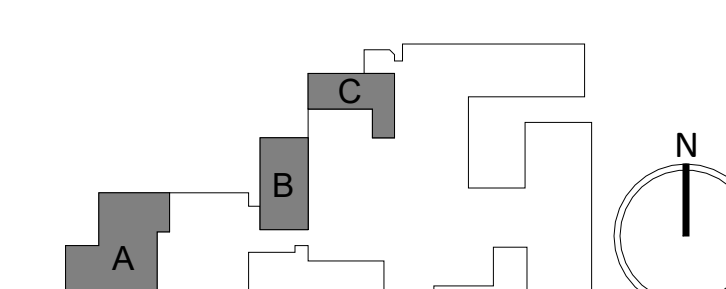
ISSUE:
2/4/2025 100% CONSTRUCTION DOCUMENTS

REVISION SCHEDULE:

REV. #	REV. DSC.	REV. DATE
--------	-----------	-----------

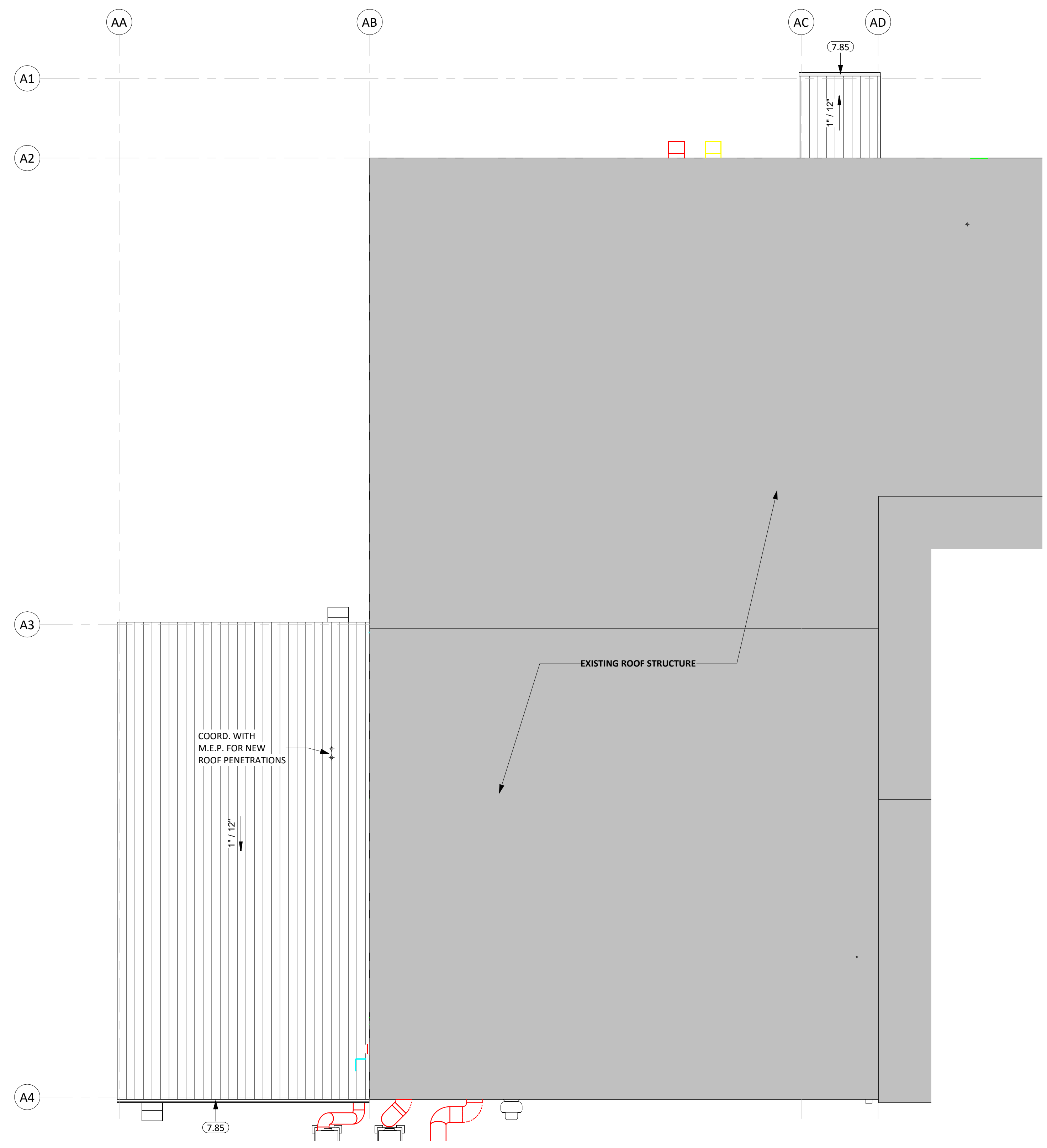
PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
FINISH PLAN - FIRST LEVEL - AREA
A, B, C

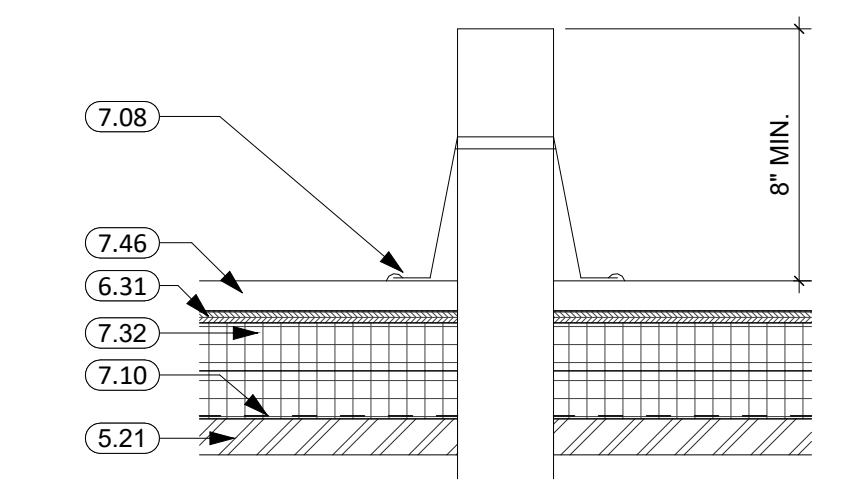


GENERAL NOTES	
1.	SEE CIVIL, STRUCTURAL, MECHANICAL, AND ELECTRICAL FOR ADDITIONAL INFORMATION AND COORDINATION.
2.	ALL TAPERED ROOF SYSTEM SLOPES ARE $\frac{1}{4}$ " PER FOOT UNLESS OTHERWISE NOTED.
3.	ALL THRU ROOF PENETRATION BOOTS IN ROOF SYSTEM ARE TO BE PROVIDED.
4.	THE AIR & MOISTURE WEATHER BARRIER IS TO BE CONTINUOUS FROM THE BASE OF THE WALLS UP TO & TYING INTO THE ROOF BARRIER SYSTEM.
5.	COORDINATE ROOF PENETRATIONS WITH MECHANICAL, ELECTRICAL, AND PLUMBING CONTRACTORS.
6.	ALL ROOF SADDLES SHALL HAVE A MINIMUM OF $\frac{1}{2}$ " PER FOOT SLOPE.
7.	PROVIDE ROOF CURBS FOR ALL EQUIPMENT SCHEDULED TO BE ON THE ROOF. COORDINATE SIZE AND LOCATION WITH APPLICABLE TRADES.
8.	PROVIDE CRICKETS AT ALL ROOF TOP EQUIPMENT TO ALLOW FOR UNIMPEDED WATER FLOW.
9.	DIMENSIONS AND LOCATIONS OF EQUIPMENT ON THE ROOF ARE APPROX., DO NOT SCALE THE DRAWINGS. VERIFY WITH APPLICABLE TRADES.
10.	TAPERED INSULATION SHALL HAVE A MINIMUM OF $\frac{1}{4}$ " PER FOOT SLOPE. PROVIDE TAPERED INSULATION AS REQUIRED TO ACHIEVE $\frac{1}{4}$ " PER FOOT SLOPE.
11.	PROVIDE R-30 MINIMUM ROOF INSULATION AT ROOF DRAINS.
12.	PROVIDE ROOF WALKING PADS AS SHOWN.

KEYNOTE SCHEDULE	
5.21	STEEL ROOF DECK (SEE ARCH. & STRUCT.)
6.31	$\frac{1}{2}$ " EXTERIOR SHEATHING
7.08	
7.10	VAPOR BARRIER
7.32	RIGID INSULATION (SEE ROOF TYPES FOR REQUIREMENTS)
7.46	METAL ROOF PANELS (PROVIDE ALL REQ. TRIM & FLASHING)
7.85	PRE-FINISHED GUTTER (COLOR TO MATCH EXISTING)

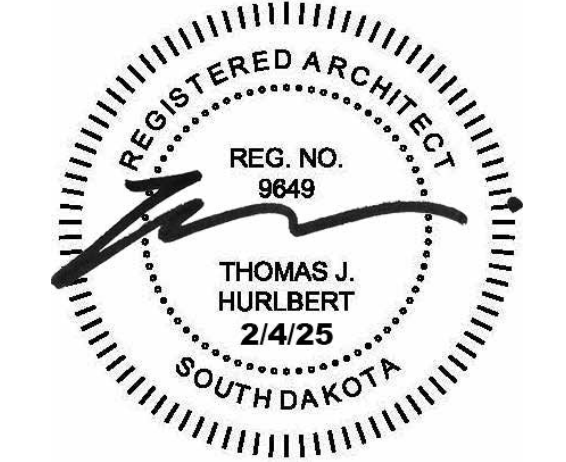


ROOF PLAN - AREA A
1/8" = 1'-0"



ROOF DETAIL - PIPE/CONDUIT
1 1/2" = 1'-0"

CO-OP PROJECT NO: 2447



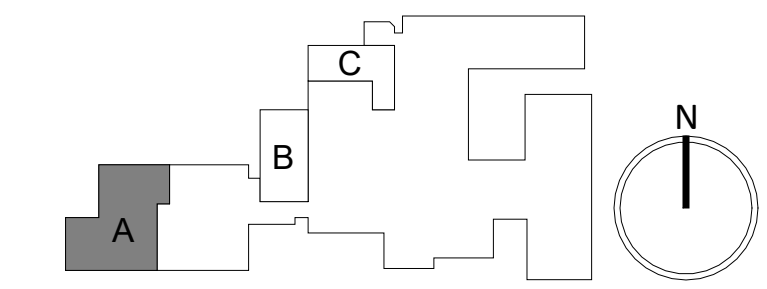
ISSUE:
2/4/2025 100% CONSTRUCTION DOCUMENTS

REVISION SCHEDULE:	REV. #	REV. DSC.	REV. DATE

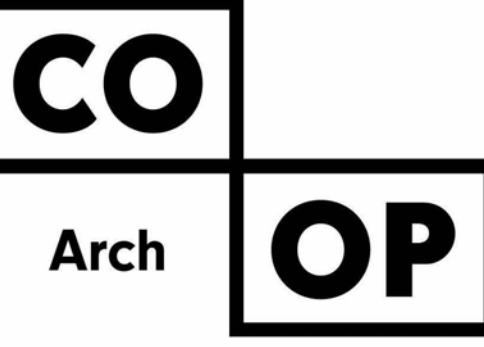
PROJECT:
FAULKTON SCHOOL RENOVATION
114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
ROOF PLAN - AREA A

A131.A



KEYNOTE SCHEDULE	
7.40	METAL WALL PANELS MP-1 (MATCH EXISTING PROFILE AND COLOR) (PROVIDE ALL REQ. TRIM & FLASHING)
7.41	METAL WALL PANELS MP-2 (MATCH EXISTING PROFILE, COLOR TO MATCH EXISTING TRIM) (PROVIDE ALL REQ. TRIM & FLASHING)
7.85	PRE-FINISHED GUTTER (COLOR TO MATCH EXISTING)
7.86	PRE-FINISHED DOWNSPOUT (COLOR TO MATCH EXISTING)
8.01	DOOR (SEE SCHED.)
8.33	OVERHEAD SECTIONAL GARAGE DOOR - INSULATED & MOTORIZED
23.01	HVAC UNIT (SEE MECH.)
23.10	DUCTWORK (SEE MECH.)
23.22	EXHAUST FAN (SEE MECH.)
23.30	WEATHER HOOD (SEE MECH.)
26.01	SURFACE MOUNTED LIGHT FIXTURE
26.20	ELECTRICAL DEVICE (SEE ELEC.)

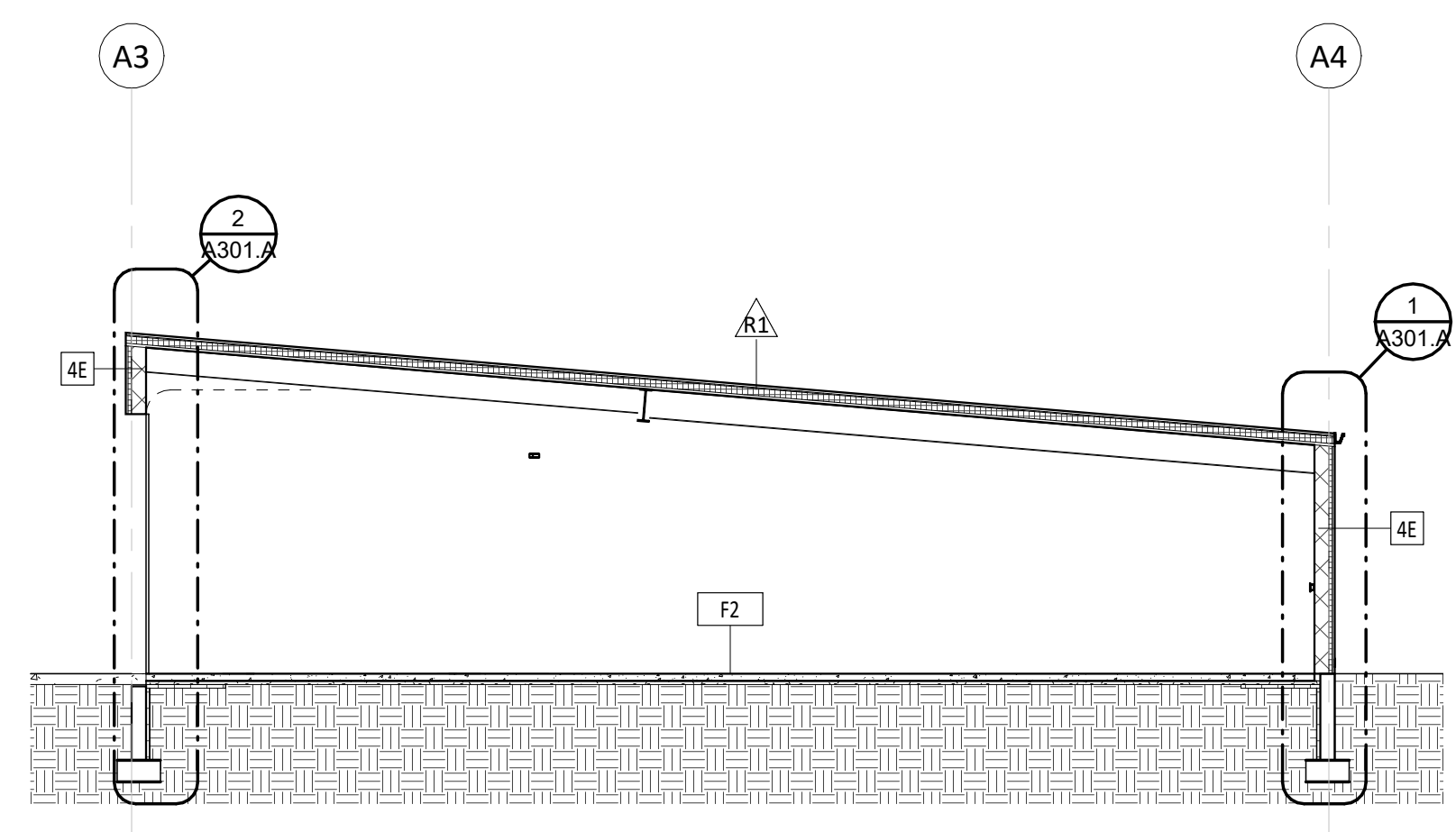


1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

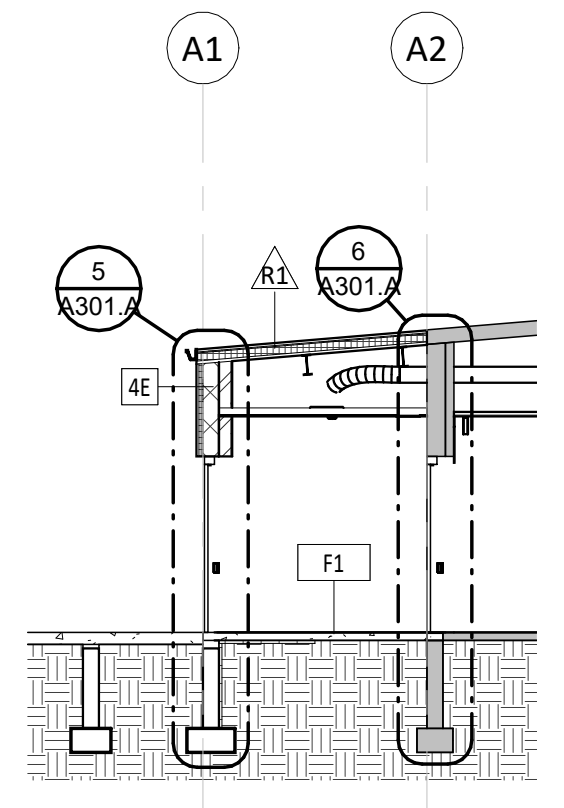
600 Kansas City St. 1
Rapid City, SD 57701
Phone: 605-716-3652

440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

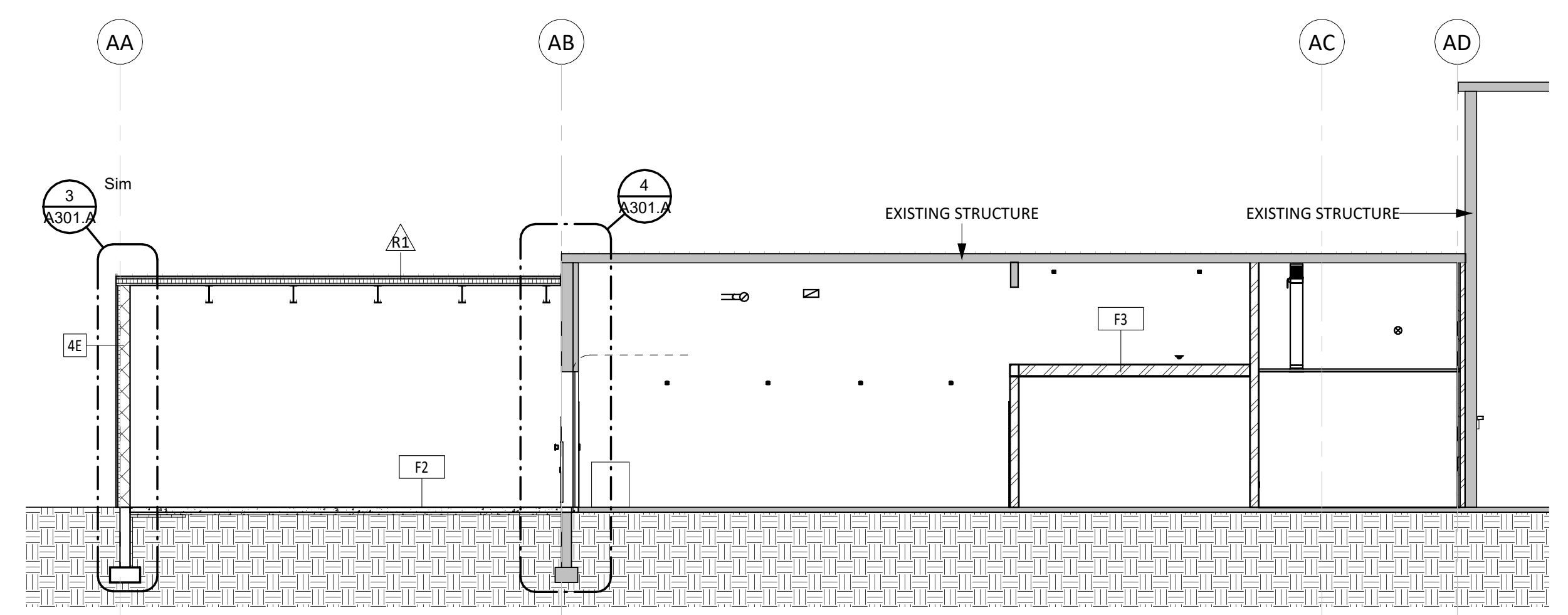
co-oparch.com



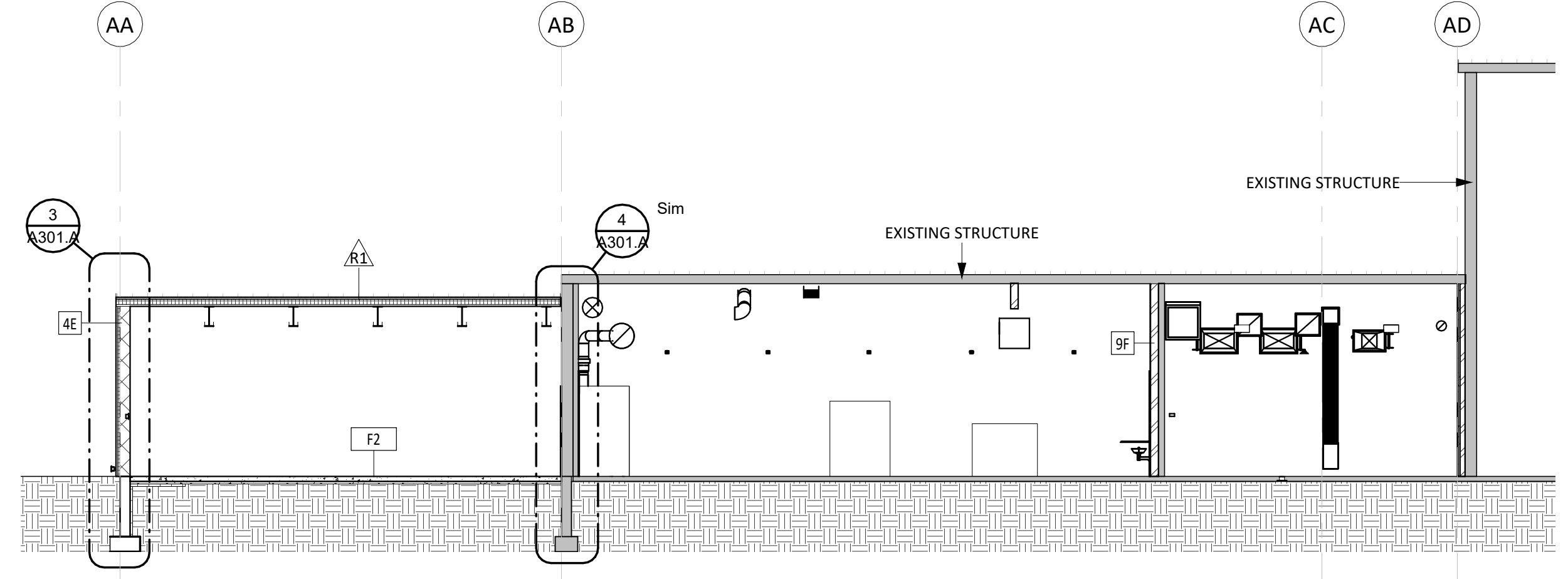
4 AREA A - BUILDING SECTION
1/8" = 1'-0"



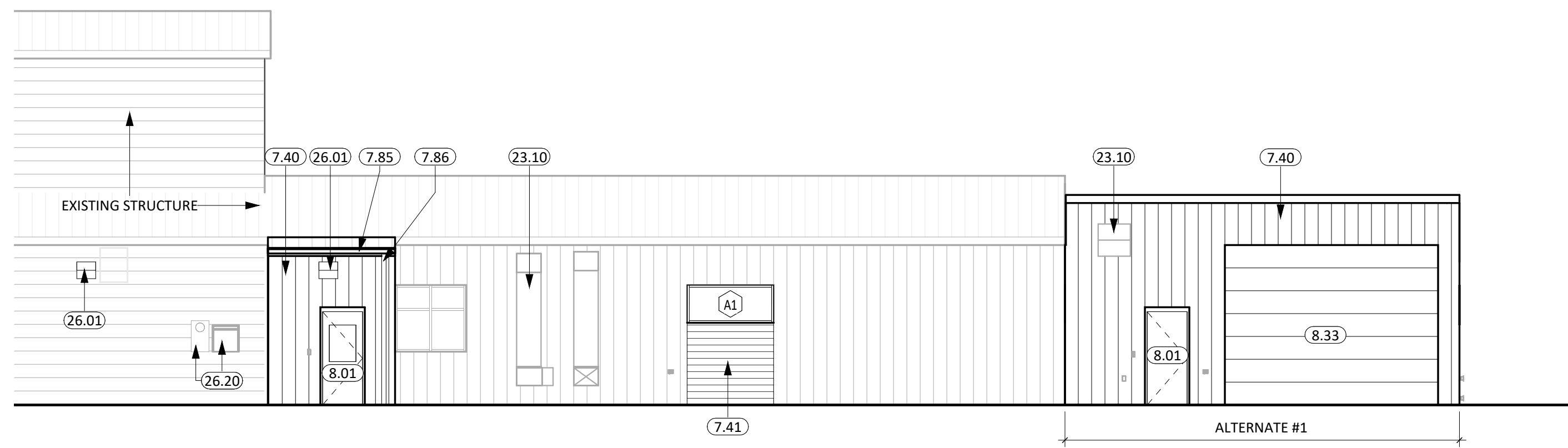
5 AREA A - BUILDING SECTION
1/8" = 1'-0"



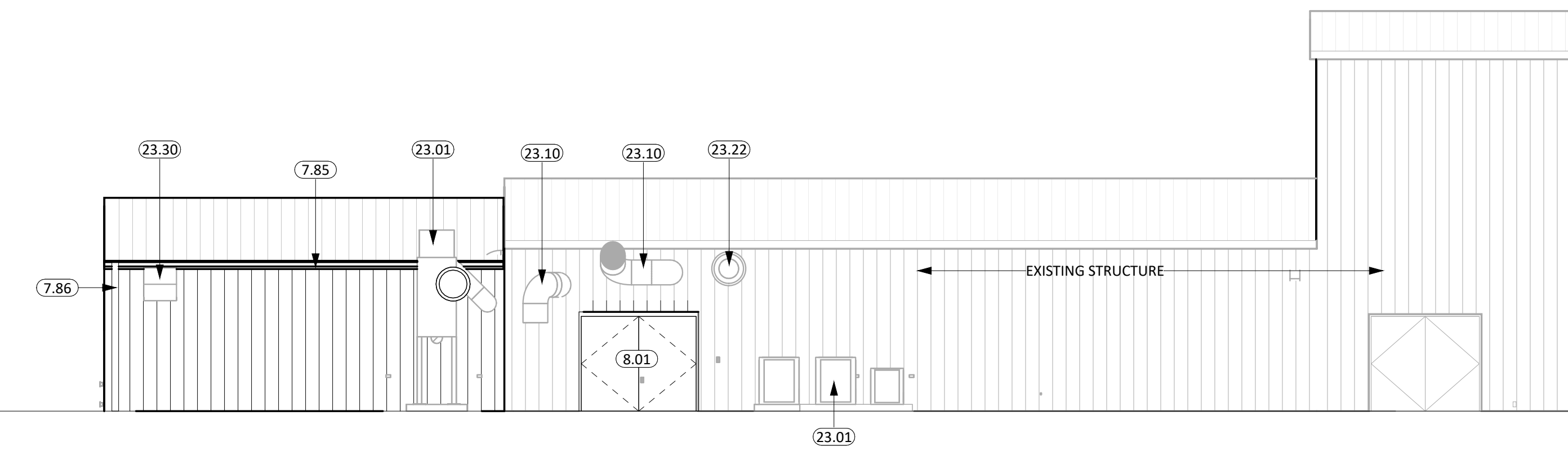
8 AREA A - BUILDING SECTION
1/8" = 1'-0"



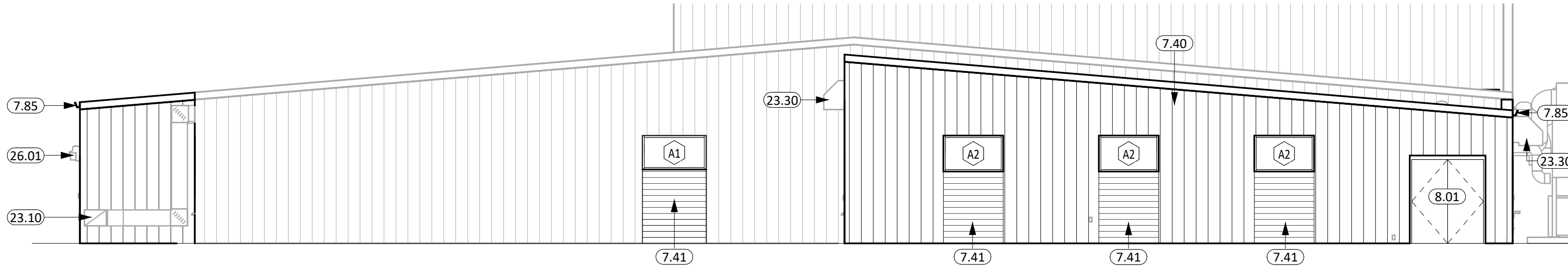
7 AREA A - BUILDING SECTION
1/8" = 1'-0"



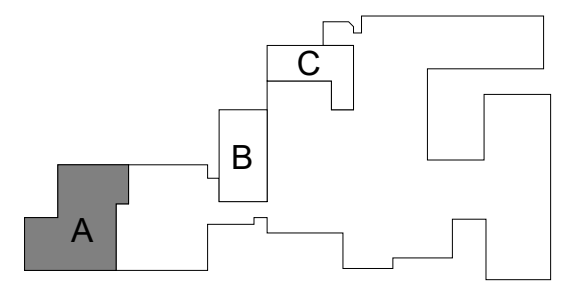
1 AREA A - NORTH ELEVATION
1/8" = 1'-0"



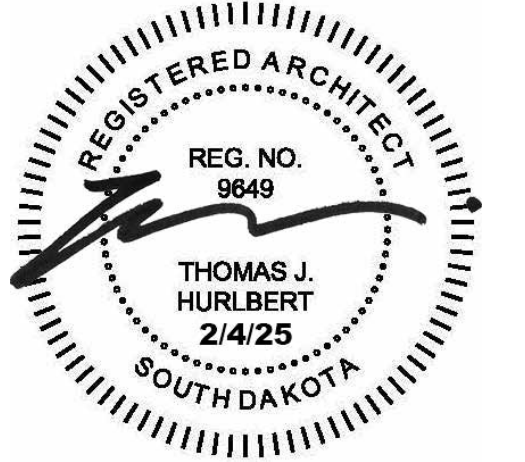
2 AREA A - SOUTH ELEVATION
1/8" = 1'-0"



3 AREA A - WEST ELEVATION
1/8" = 1'-0"



CO-OP PROJECT NO: 2447



ISSUE:
2/4/2025 100% CONSTRUCTION DOCUMENTS

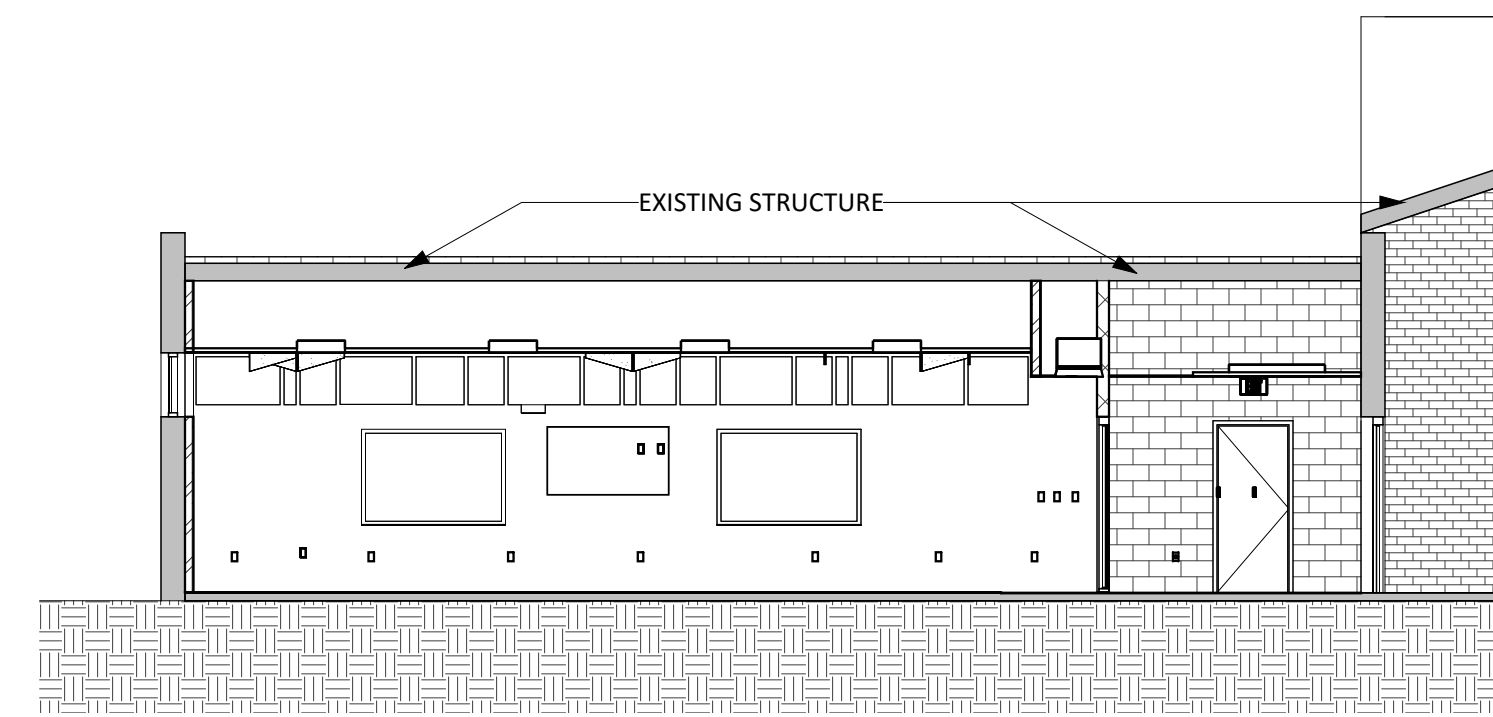
REVISION SCHEDULE:

REV. #	REV. DSC.	REV. DATE

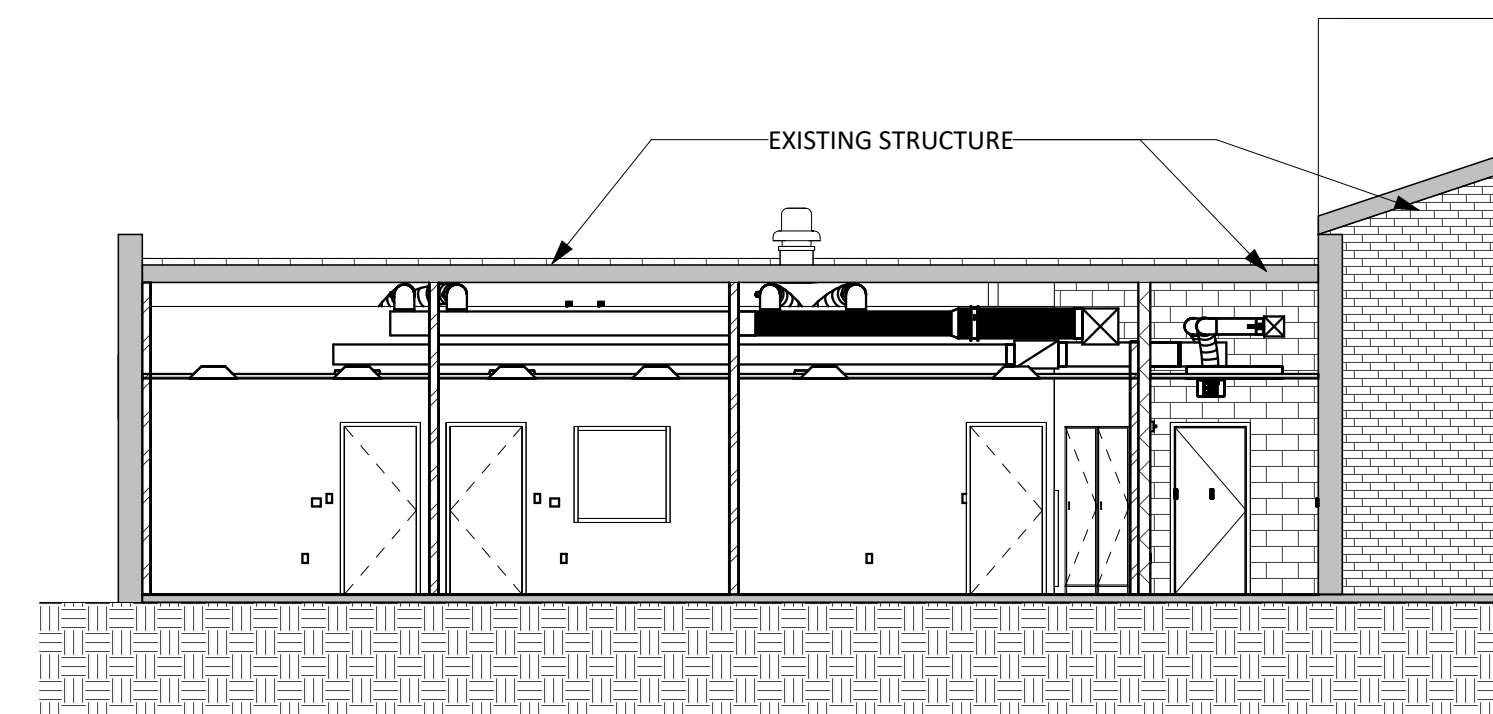
PROJECT:
FAULKTON SCHOOL RENOVATION
114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
AREA A - ELEVATIONS AND SECTIONS

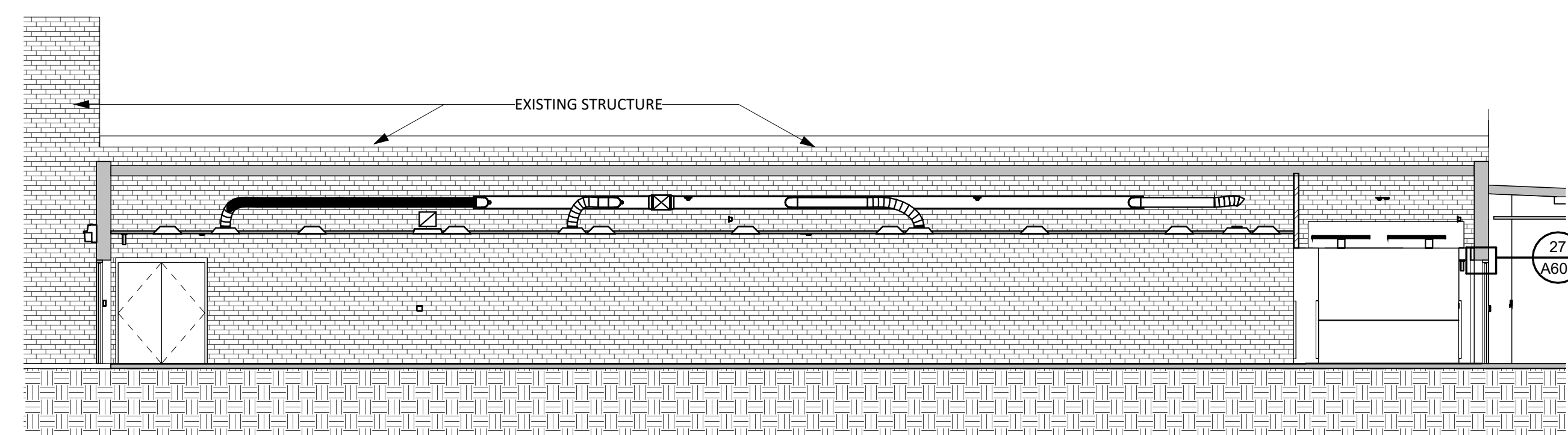
A201.A



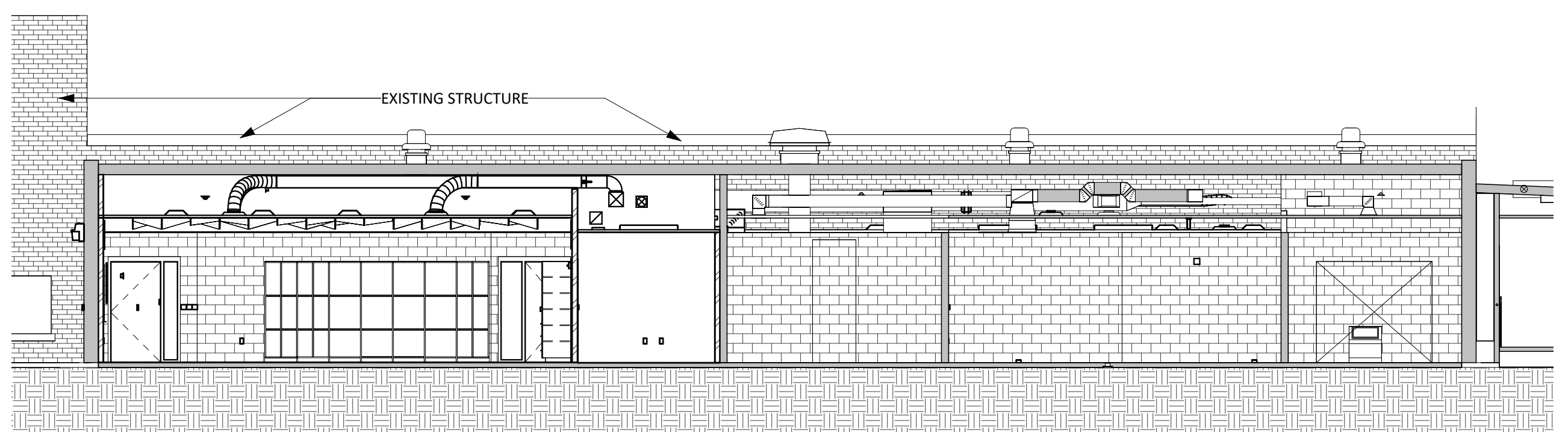
6 AREA B - BUILDING SECTION 4
1/8" = 1'-0"



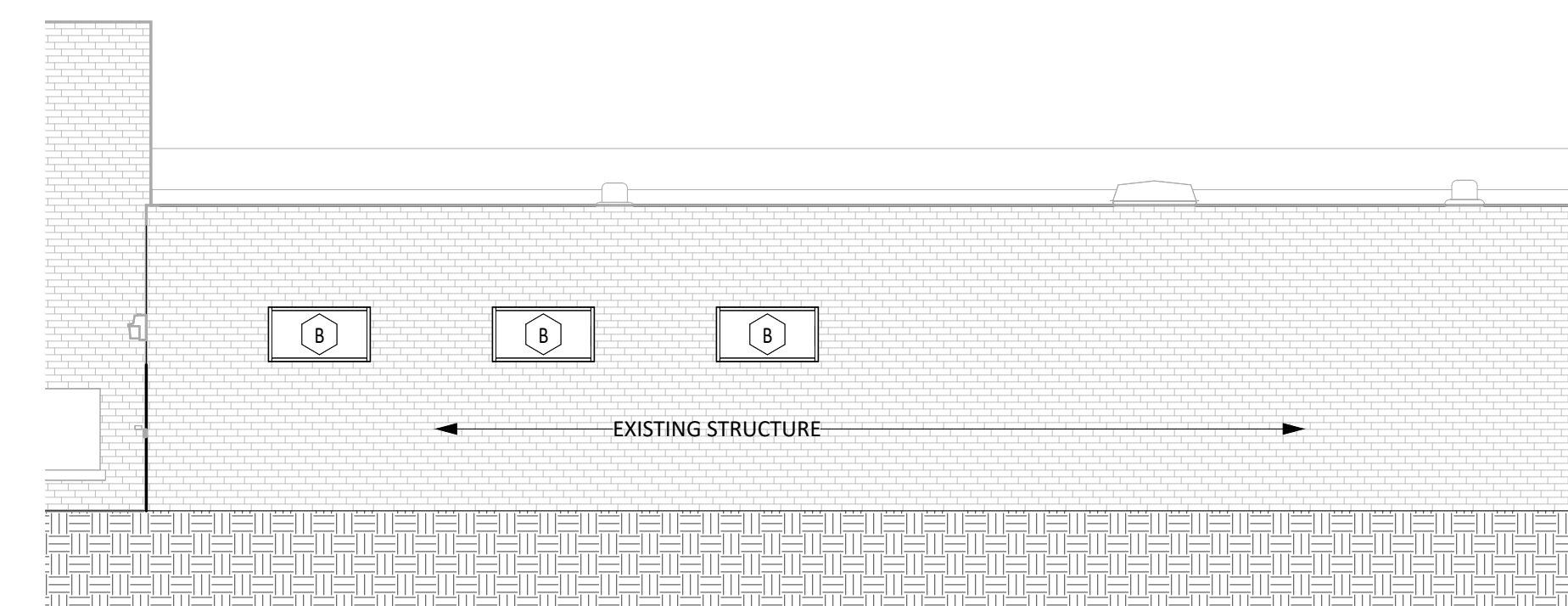
5 AREA B - BUILDING SECTION 3
1/8" = 1'-0"



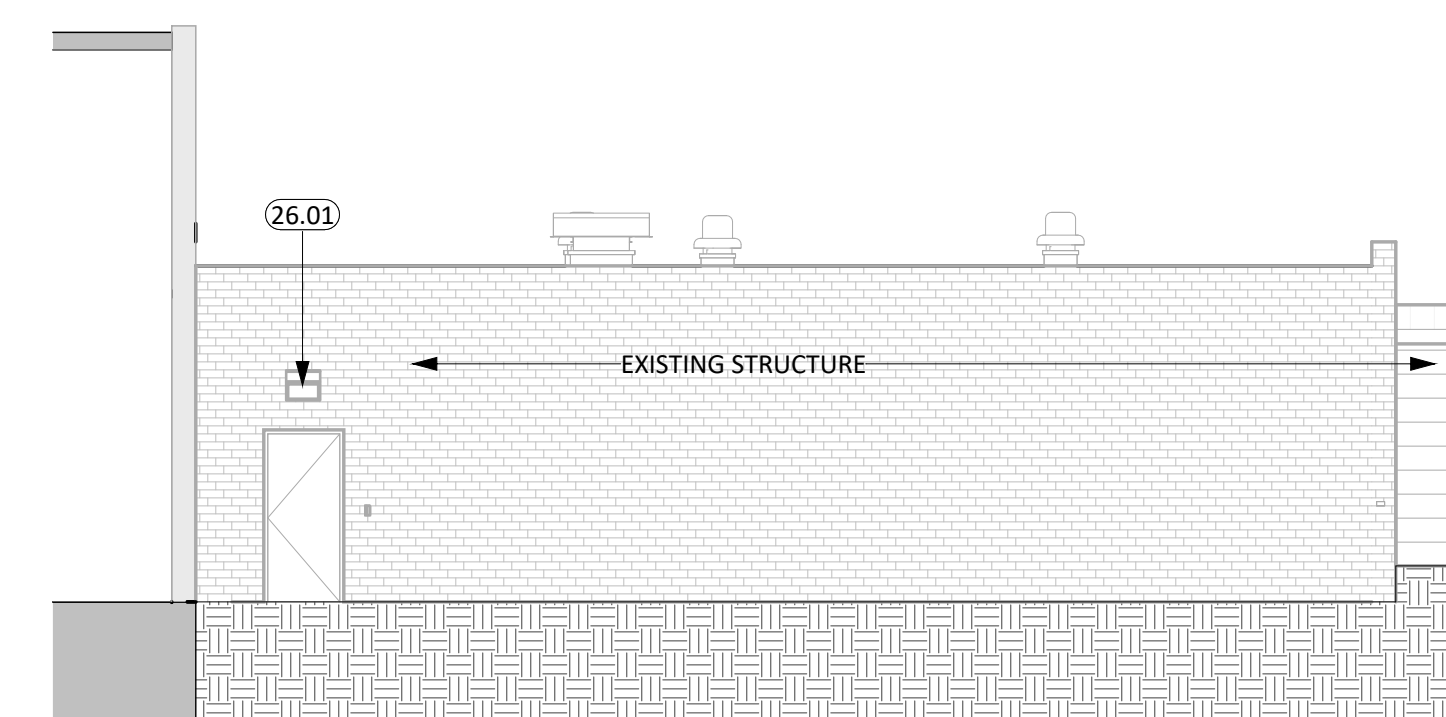
4 AREA B - BUILDING SECTION 2
1/8" = 1'-0"



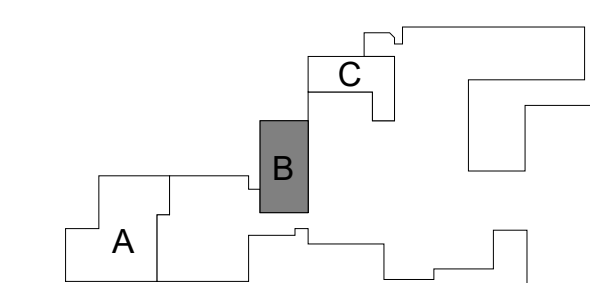
3 AREA B - BUILDING SECTION 1
1/8" = 1'-0"



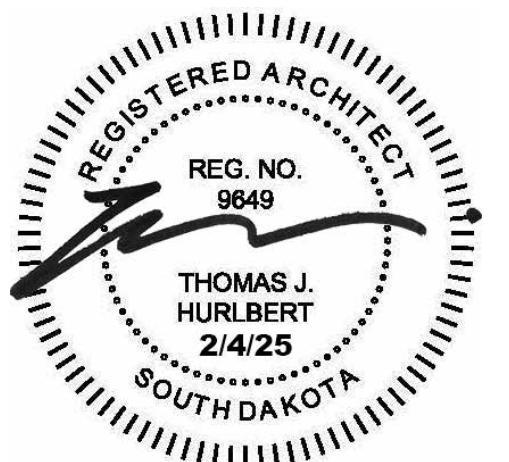
2 AREA B - WEST ELEVATION
1/8" = 1'-0"



1 AREA B - NORTH ELEVATION
1/8" = 1'-0"



CO-OP PROJECT NO: 2447



ISSUE:
2/4/2025 100% CONSTRUCTION DOCUMENTS

REVISION SCHEDULE:

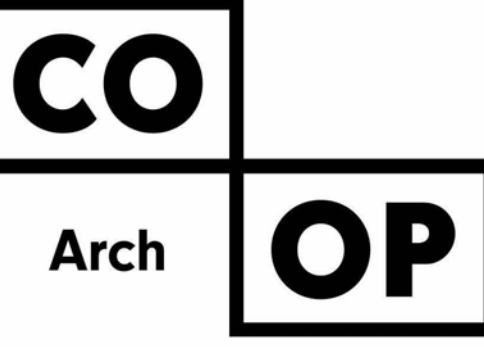
REV. #	REV. DSC.	REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
AREA B - ELEVATIONS AND SECTIONS

A201.B

KEYNOTE SCHEDULE	
4.01	BRICK VENEER (COLOR TO MATCH EXISTING, COORDINATE WITH ARCHITECT)
7.14	EXTERIOR INSULATION & FINISH SYSTEM (EIFS)
8.01	DOOR (SEE SCHED.)
26.01	SURFACE MOUNTED LIGHT FIXTURE

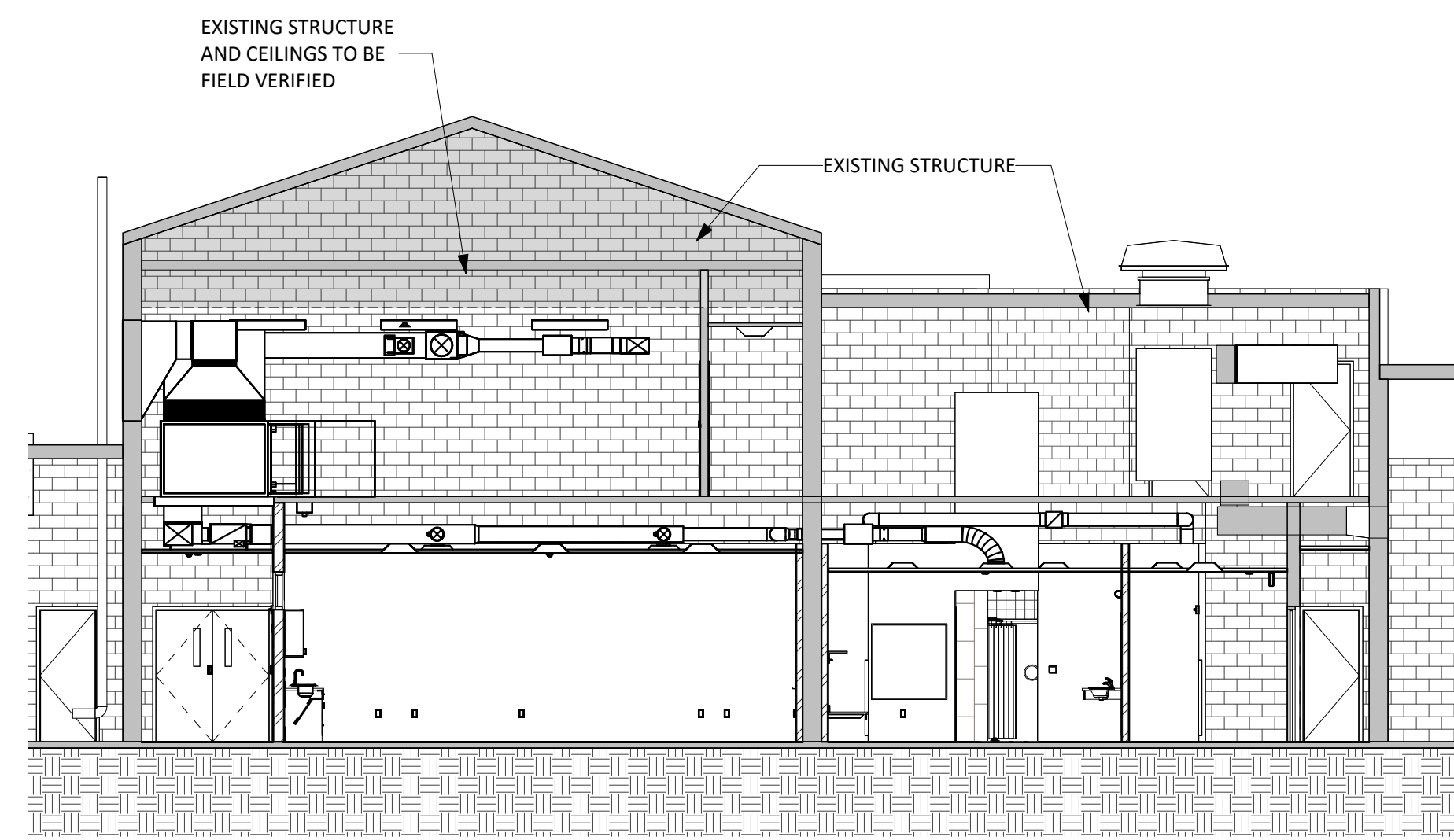


1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

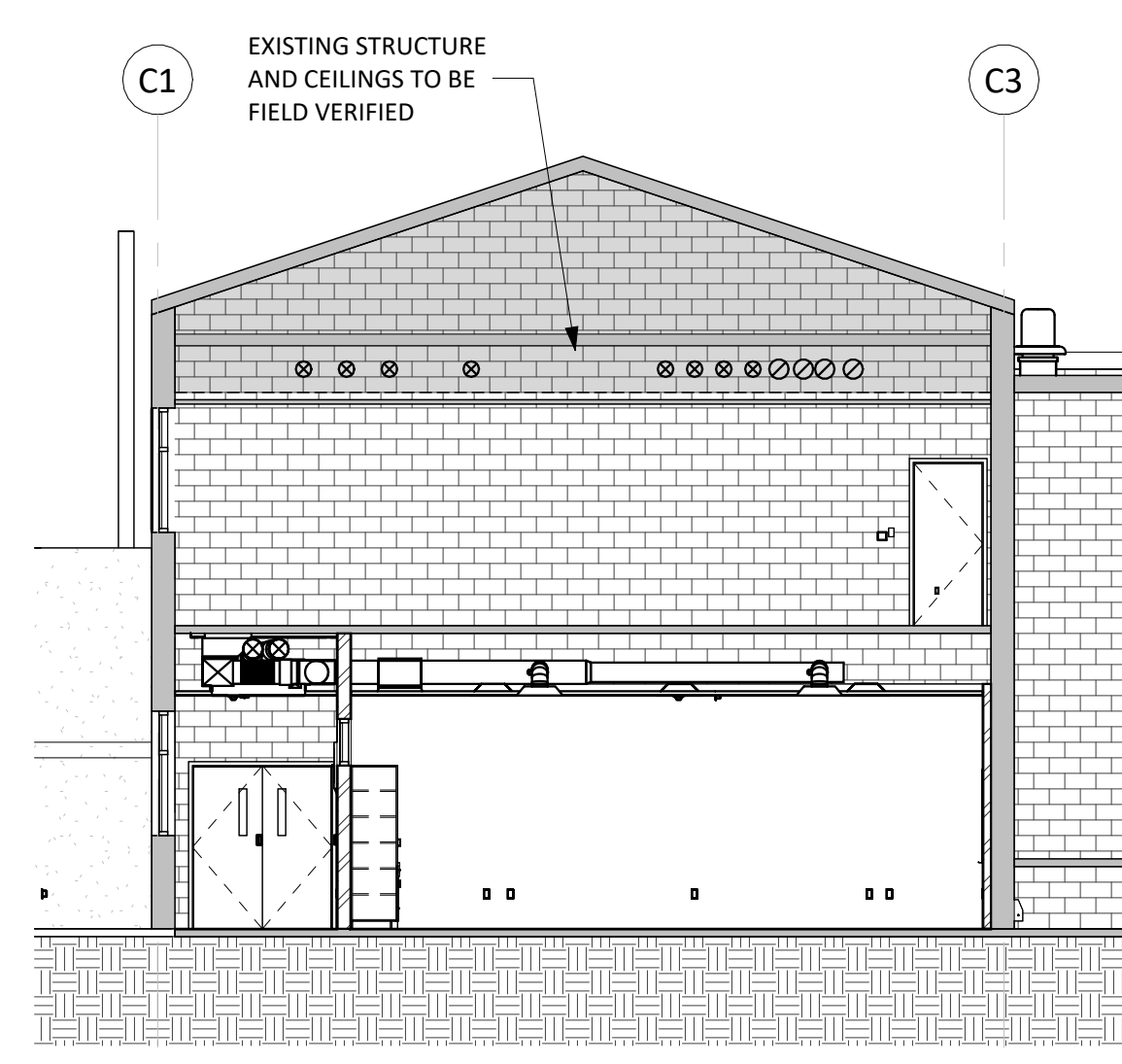
600 Kansas City St. 1
Rapid City, SD 57701
Phone: 605-716-3652

440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

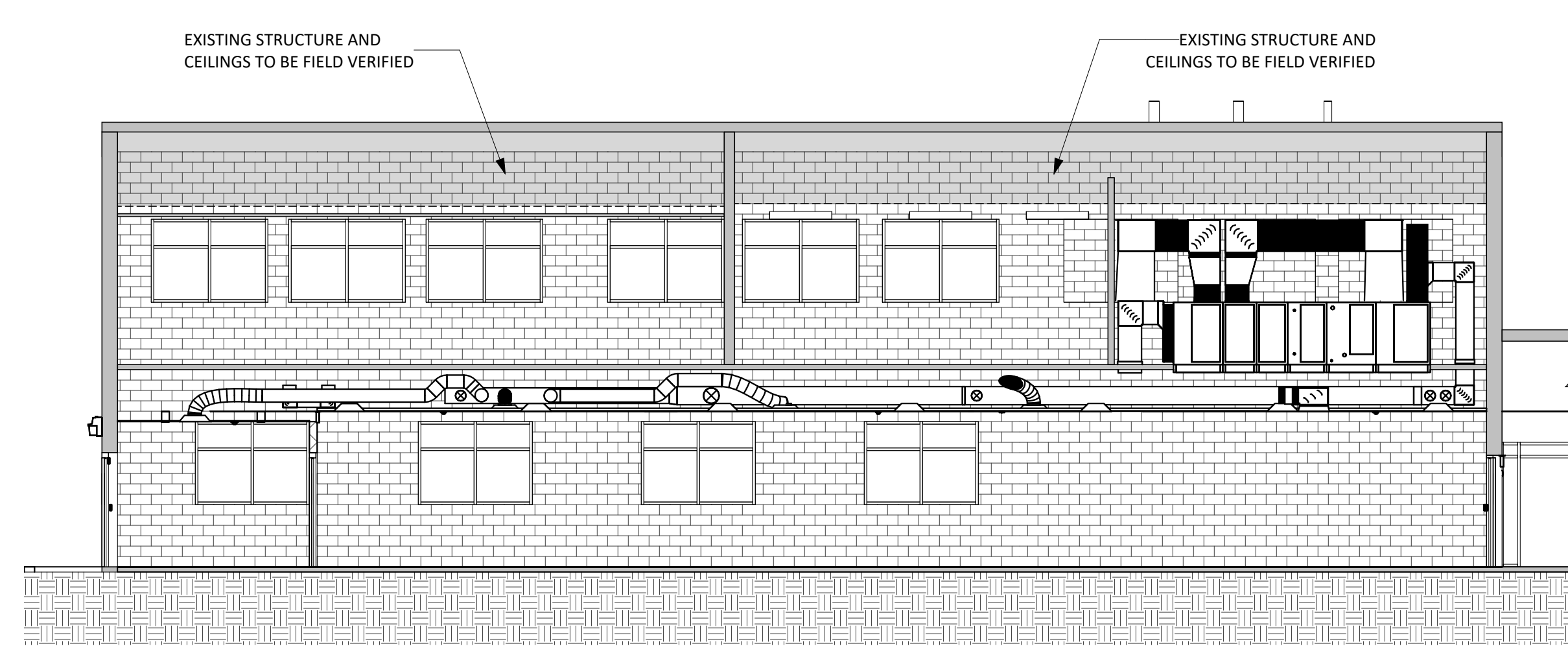
co-oparch.com



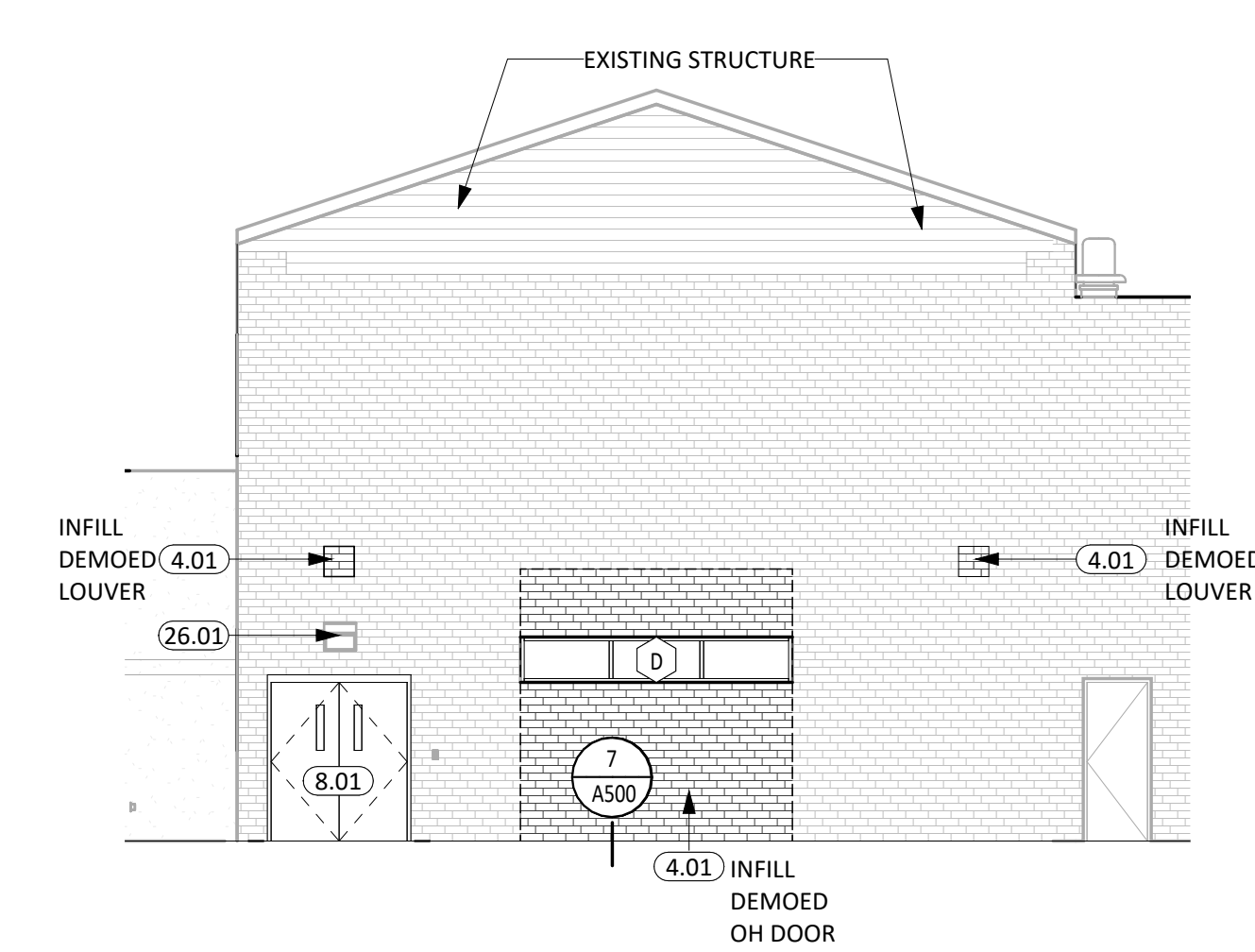
4 AREA C - BUILDING SECTION 2
1/8" = 1'-0"



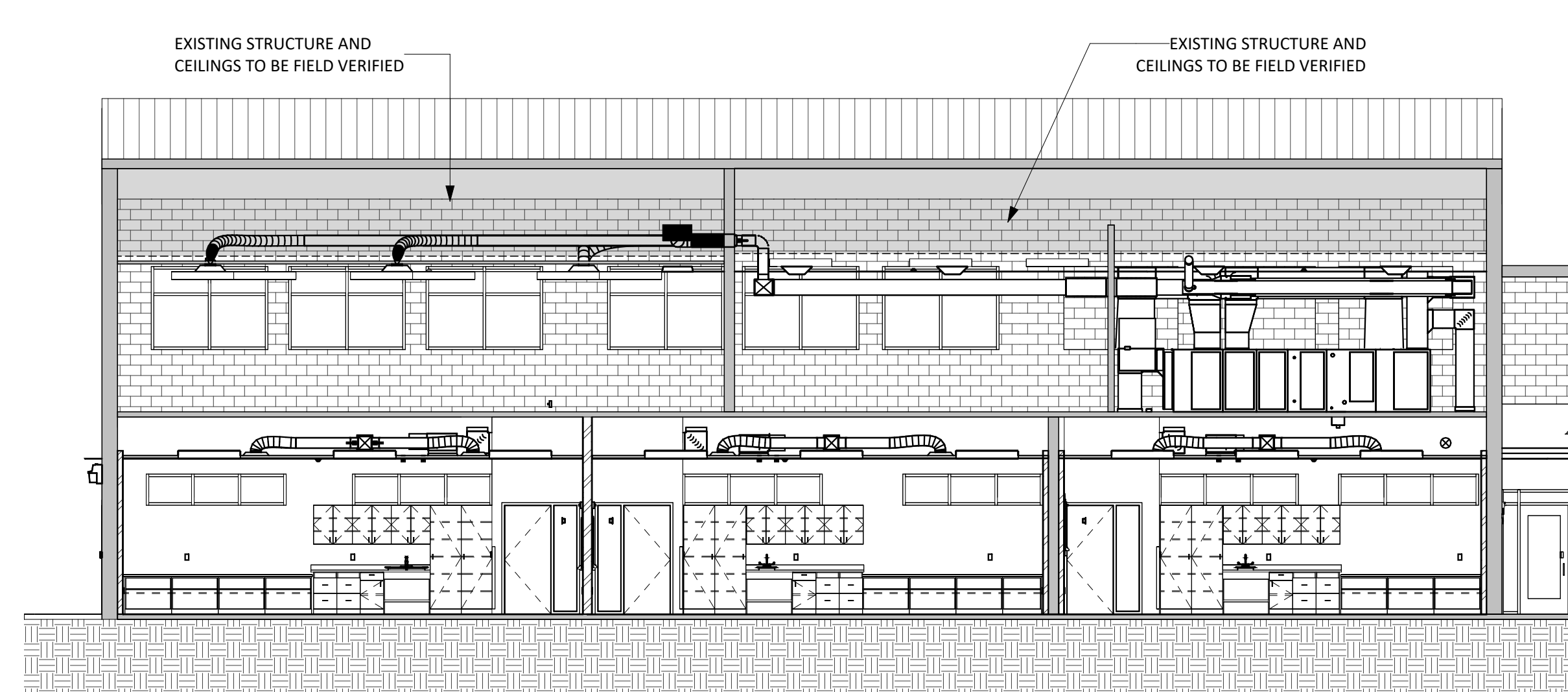
3 AREA C - BUILDING SECTION 1
1/8" = 1'-0"



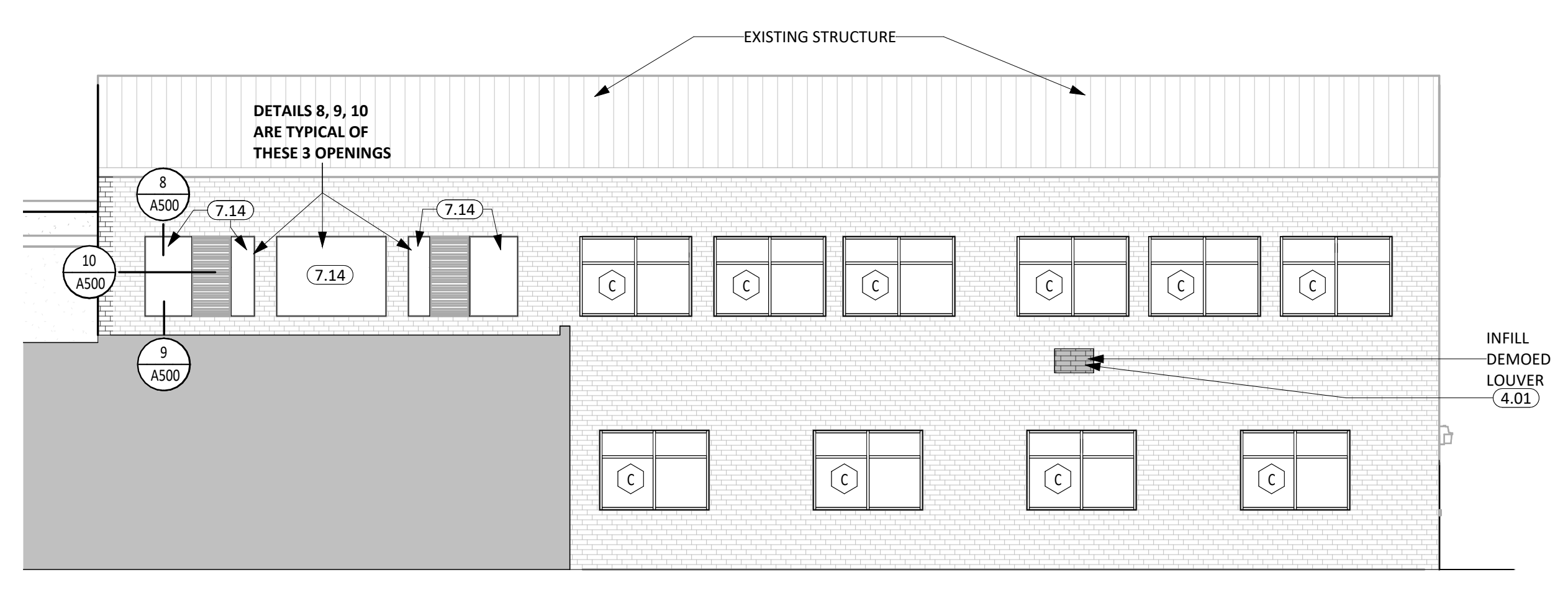
6 AREA C - BUILDING SECTION 4
1/8" = 1'-0"



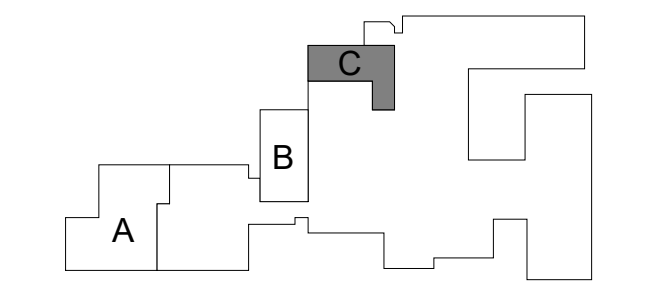
2 AREA C - WEST ELEVATION
1/8" = 1'-0"



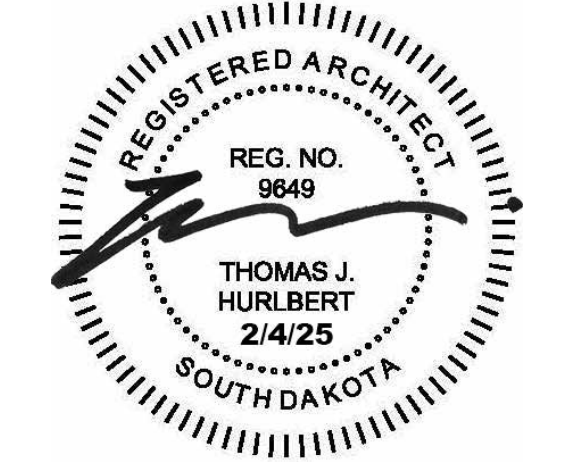
5 AREA C - BUILDING SECTION 3
1/8" = 1'-0"



1 AREA C - NORTH ELEVATION
1/8" = 1'-0"



CO-OP PROJECT NO: 2447



ISSUE:
2/4/2025 100% CONSTRUCTION DOCUMENTS

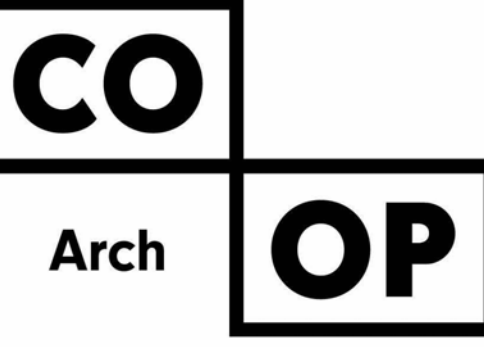
REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
AREA C - ELEVATIONS AND SECTIONS

A201.C

KEYNOTE SCHEDULE	
3.01	CONC. FLOOR SLAB ON GRADE (SEE STRUCT. FOR THICKNESS AND REINF.) w/ 15 MIL. VAPOR BARRIER BELOW
3.04	CONT. CONC. FOUNDATION WALL (SEE STRUCTURAL PLANS)
3.08	CONCRETE APRON (SEE CIVIL & STRUCTURAL FOR THICKNESS, REINF. AND OTHER REQUIREMENTS)
3.11	1/2" EXPANSION/ISOLATION JOINT MATERIAL
7.21	RIGID INSULATION (2" POLYISO - U.O.N.)
8.01	DOOR (SEE SCHED.)
8.33	OVERHEAD SECTIONAL GARAGE DOOR - INSULATED & MOTORIZED
23.10	DUCTWORK (SEE MECH.)
31.01	ENGINEERED FILL (COORD. REQ. w/ SOILS REPORT)
31.07	FREE DRAINING SAND FILL (SEE STRUC.)

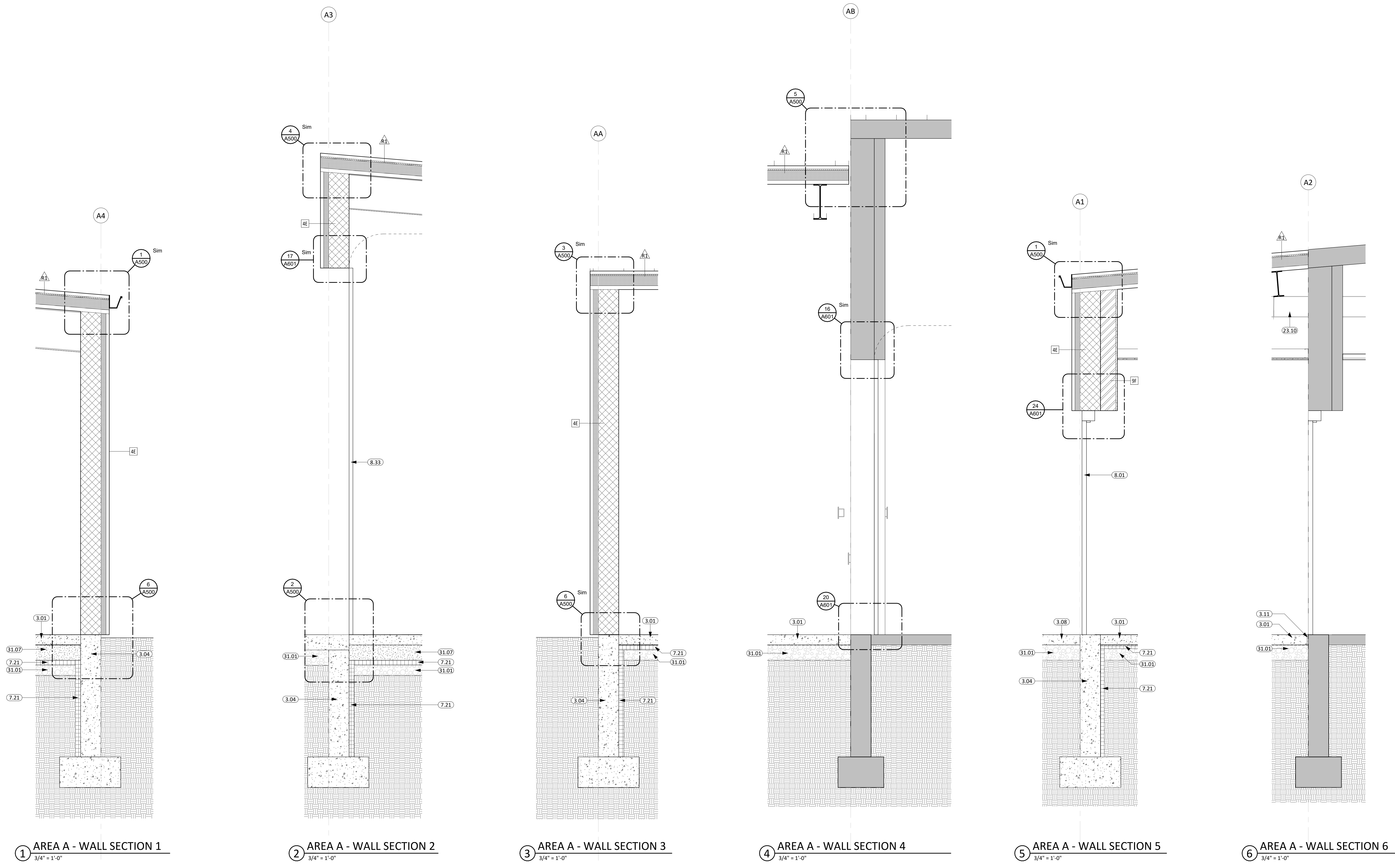


1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

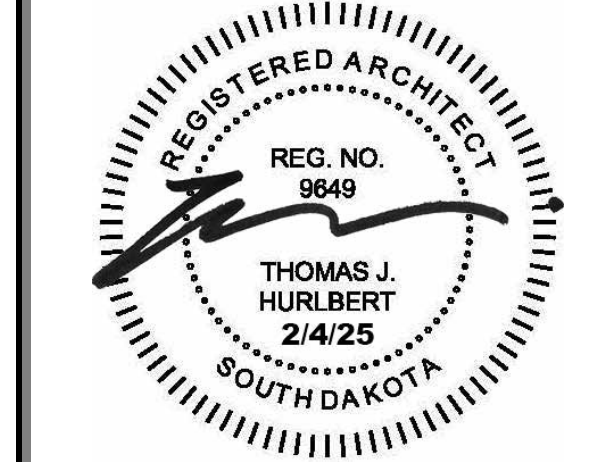
600 Kansas City St. 1
Rapid City, SD 57701
Phone: 605-716-3652

440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

co-oparch.com



CO-OP PROJECT NO: 2447



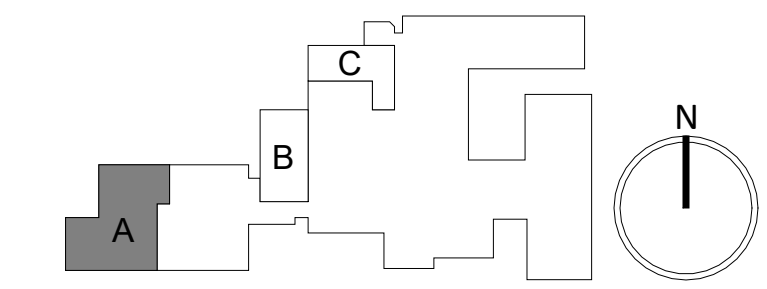
ISSUE:
2/4/2025 100% CONSTRUCTION DOCUMENTS

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
AREA A - WALL SECTIONS

A301.A

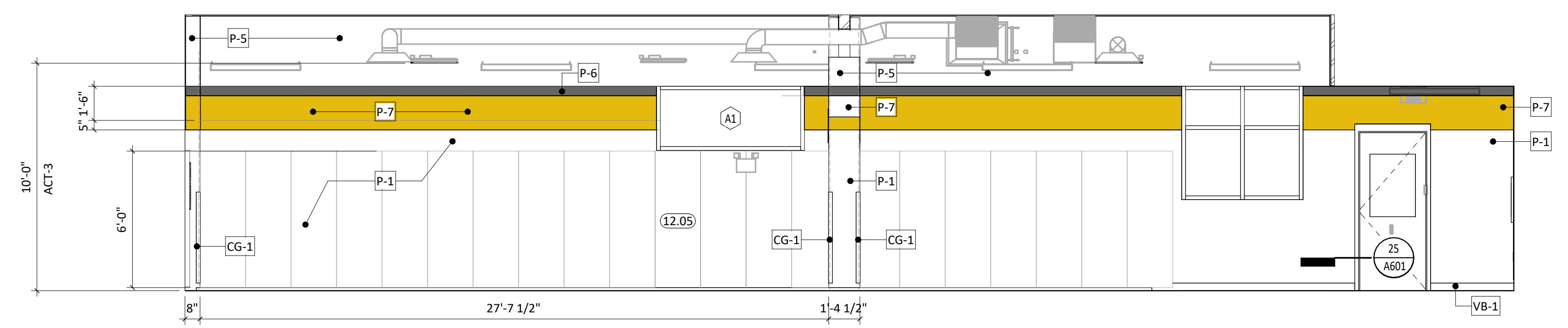


GENERAL NOTES

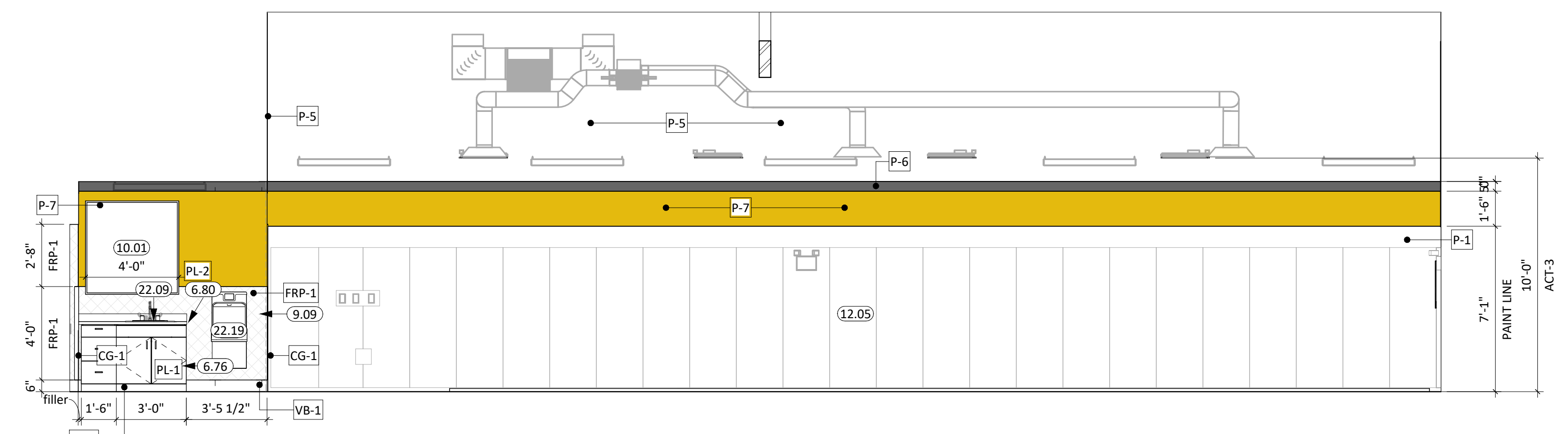
- SEE SHEET 6000 FOR REQUIRED ADA CLEARANCES & MOUNTING HEIGHTS.
- FIRE RATED WALLS ARE INDICATED ON THE CODE PLANS.
- ALL WALLS TO EXTEND TO DECK UNLESS OTHERWISE NOTED ON WALL TYPES.
- RESTROOM WALLS ARE SOUND INSULATED AND EXTEND TO THE DECK.
- ALL INTERIOR DIMENSIONS ARE FROM FACE OF GWB/CMU, UNLESS OTHERWISE NOTED.
- SEE FLOOR PLAN FOR CASEWORK PLAN INFORMATION. FIELD VERIFY ALL CASEWORK OPENINGS. COORDINATE ALL CASEWORK DIMENSIONS WITH OWNER PROVIDED AND CONTRACTOR PROVIDED APPLIANCES/EQUIPMENT.
- PROVIDE COUNTERTOP SUPPORTS AT OPEN SPACES AT MINIMUM OF 32" ON CENTER AND MAXIMUM OF 48" ON CENTER.
- TALL CABINETS OVER 30" WIDE SHALL HAVE VERTICAL DIVIDER FULL HEIGHT.
- COORDINATE DEVICE PENETRATIONS AT COUNTERTOPS W/ MECHANICAL AND ELECTRICAL.
- MILLWORK SUPPLIER SHALL PROVIDE FILLER PANELS AND SCRIBE STRIPS AS NEEDED FOR COMPLETE INSTALLATION.
- PROVIDE FINISHED END PANELS AT EXPOSED MILLWORK SURFACES.
- COORDINATE INSTALLATION OF OWNER PROVIDED EQUIPMENT WITH NEW CONSTRUCTION.
- CAULK PERIMETER OF TUB/SHOWER UNITS, TOILETS, URINALS, SINKS AND COUNTERTOPS AS REQUIRED.
- PROVIDE 2x BLOCKING AT GRAB BAR AND FUTURE GRAB BAR LOCATIONS. SEE CODE SHEETS FOR ADDITIONAL BLOCKING INFORMATION.

KEYNOTE SCHEDULE

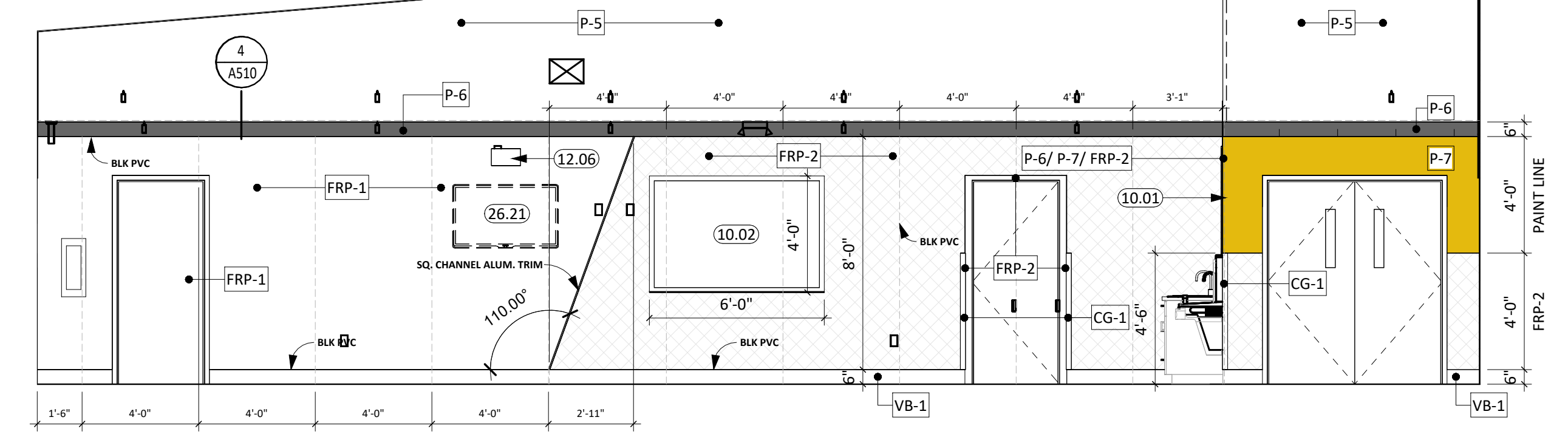
6.68	WOOD CABINETRY, SALVAGED AND RE-INSTALLED PER LAYOUT
6.76	FINISHED END
6.80	PLASTIC LAMINATE COUNTERTOP
6.81	SOLID SURFACE
9.09	WALL PROTECTION PANEL, SEE FINISH LEGEND
10.01	TACKBOARD
10.02	MARKERBOARD, BASIS OF DESIGN CLARIDGE LCS DELUXE PORCELAIN WHITEBOARDS
10.61	FIRE EXTINGUISHER AND WALL CABINET
11.10	REFRIGERATOR
11.13	RANGE HOOD
11.14	SLIDE IN RANGE
12.05	EXISTING OR NEW WRESTLING WALL MATS, PROVIDED BY SCHOOL
12.06	CLOCK, PROVIDED BY SCHOOL
22.09	SINK BASIN W/ HOSE FAUCET EXTENSION, SEE MECH.
22.13	SINGLE COMPARTMENT SINK
22.19	ELKAY BOTTLE FILLING STATION, SEE MECH.
23.10	DUCTWORK (SEE MECH)
26.21	TV DISPLAY, PROVIDED BY OWNER



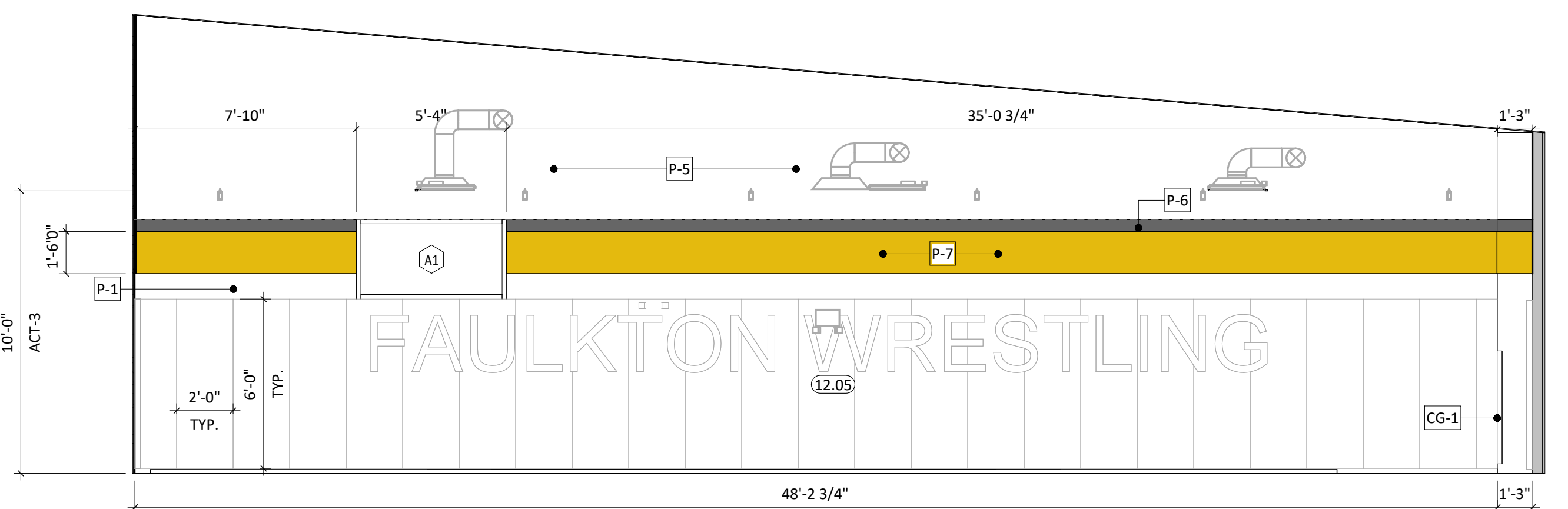
1 WRESTLING ROOM - N ELEV.
1/4" = 1'-0"



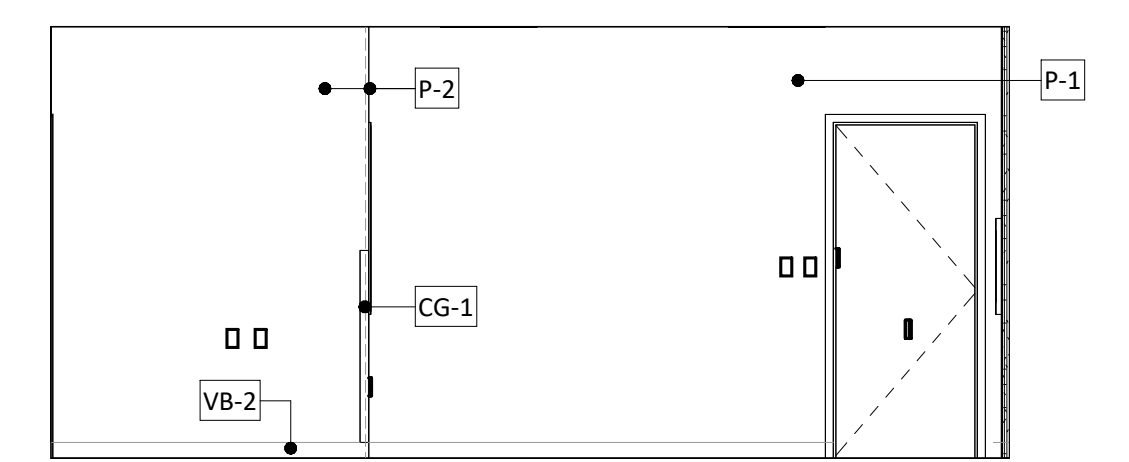
2 WRESTLING ROOM - SOUTH ELEV.
1/4" = 1'-0"



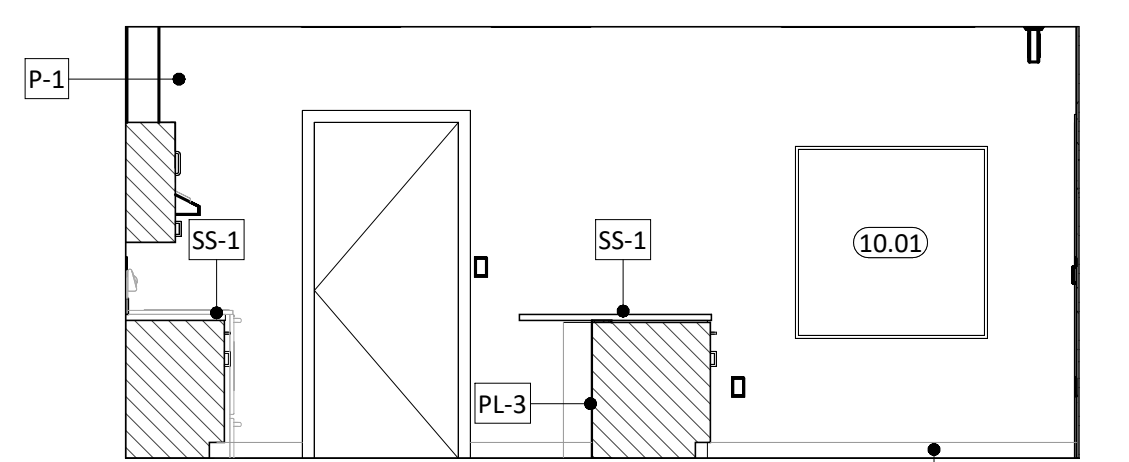
3 WRESTLING ROOM - EAST ELEV.
1/4" = 1'-0"



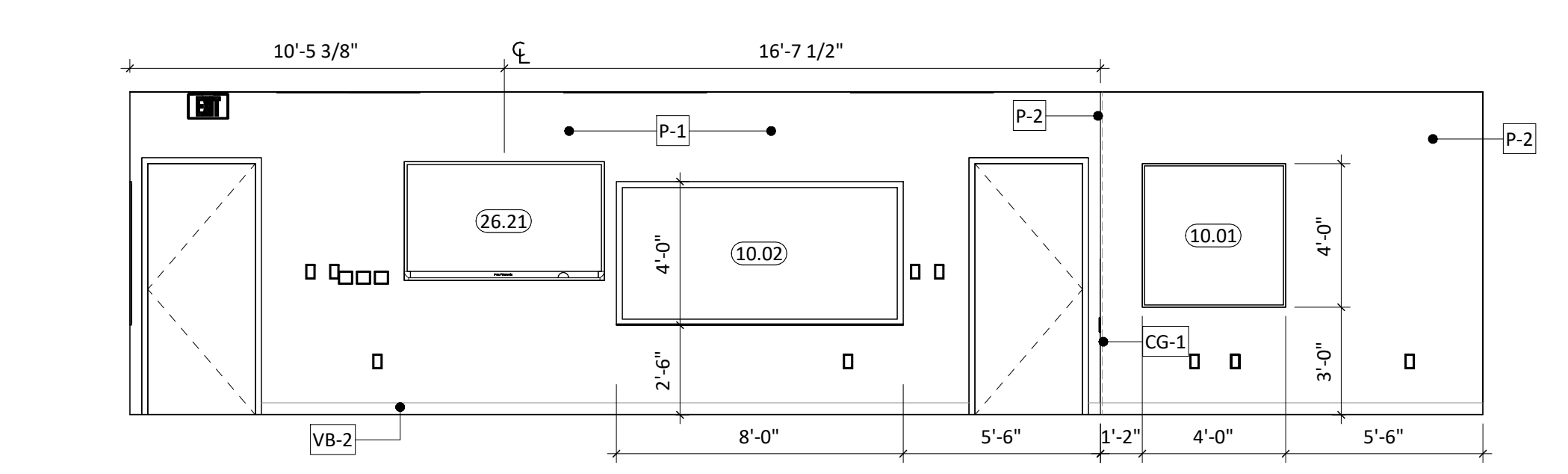
4 WRESTLING ROOM - WEST ELEV.
1/4" = 1'-0"



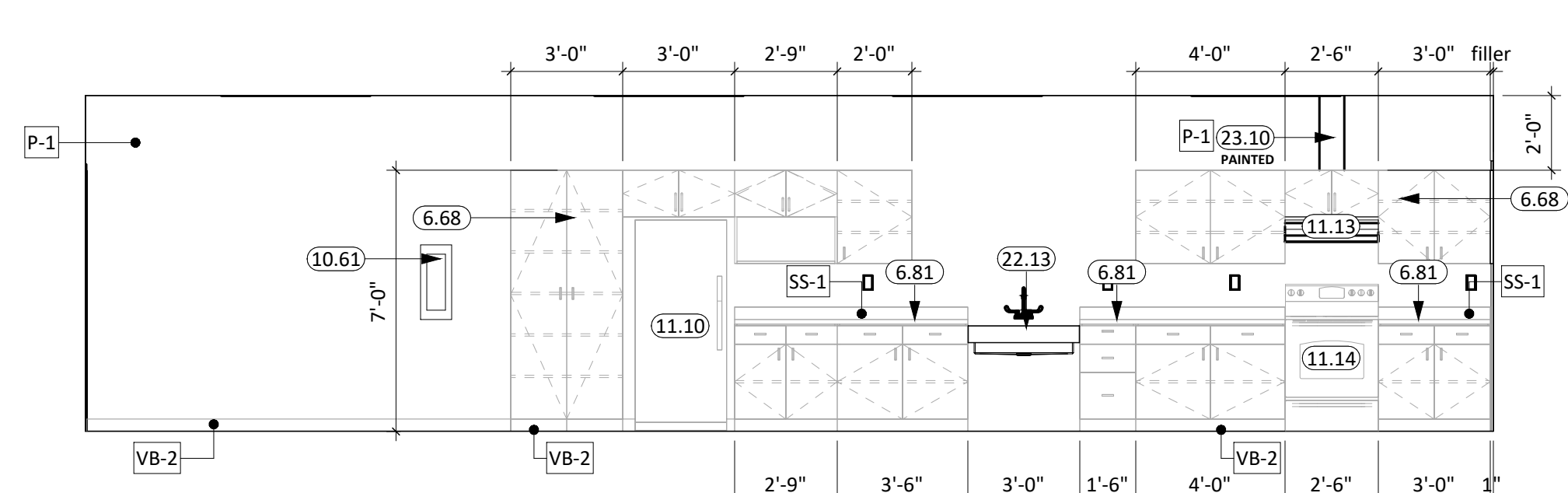
5 SHOP CLASSROOM - NORTH ELEV.
1/4" = 1'-0"



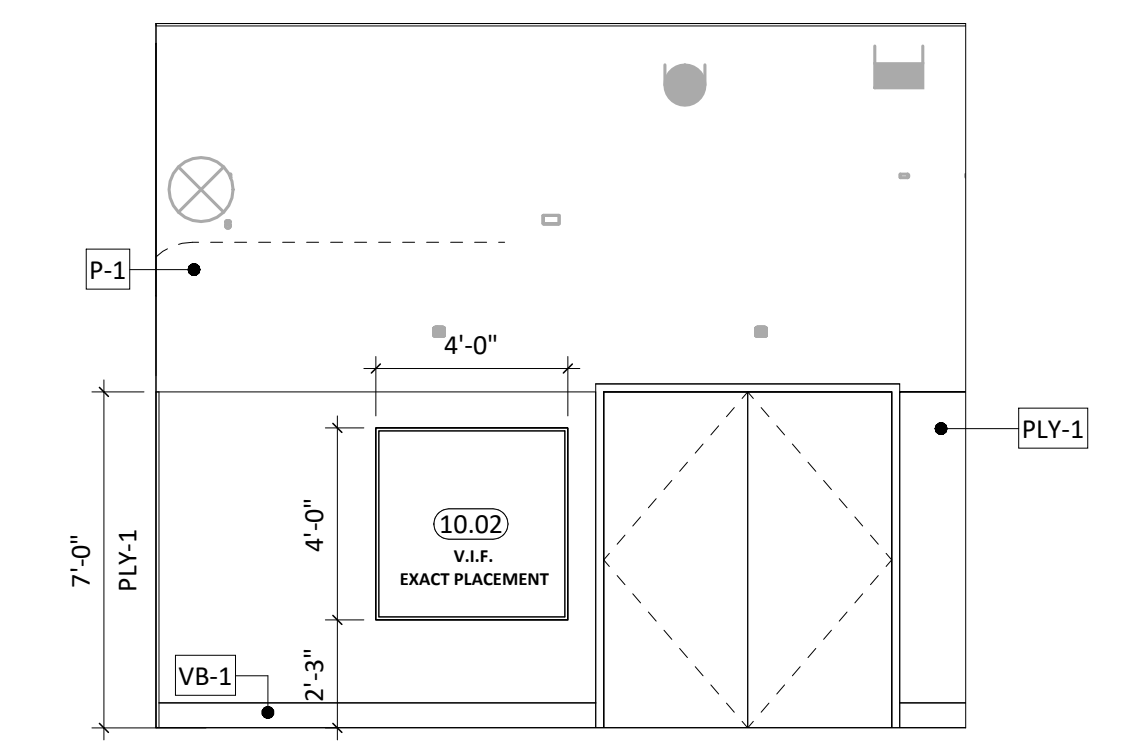
6 SHOP CLASSROOM - SOUTH ELEV.
1/4" = 1'-0"



8 SHOP CLASSROOM - WEST ELEV.
1/4" = 1'-0"

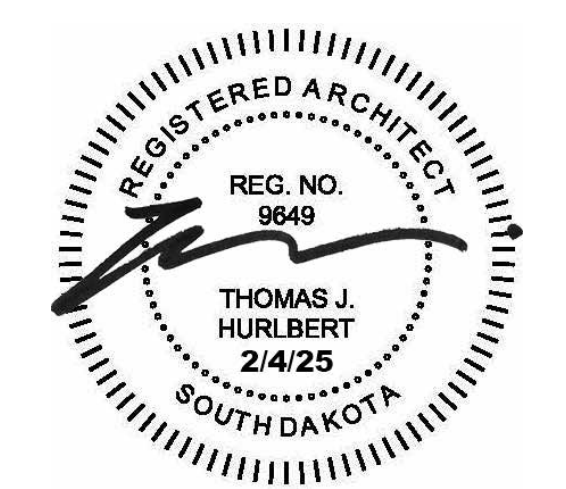


7 SHOP CLASSROOM - EAST ELEV.
1/4" = 1'-0"



9 SHOP - PLYWOOD WALL TYP.
1/4" = 1'-0"

CO-OP PROJECT NO: 2447



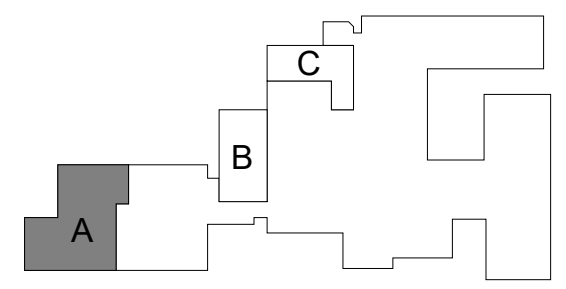
ISSUE:
2/4/2025 100% CONSTRUCTION DOCUMENTS

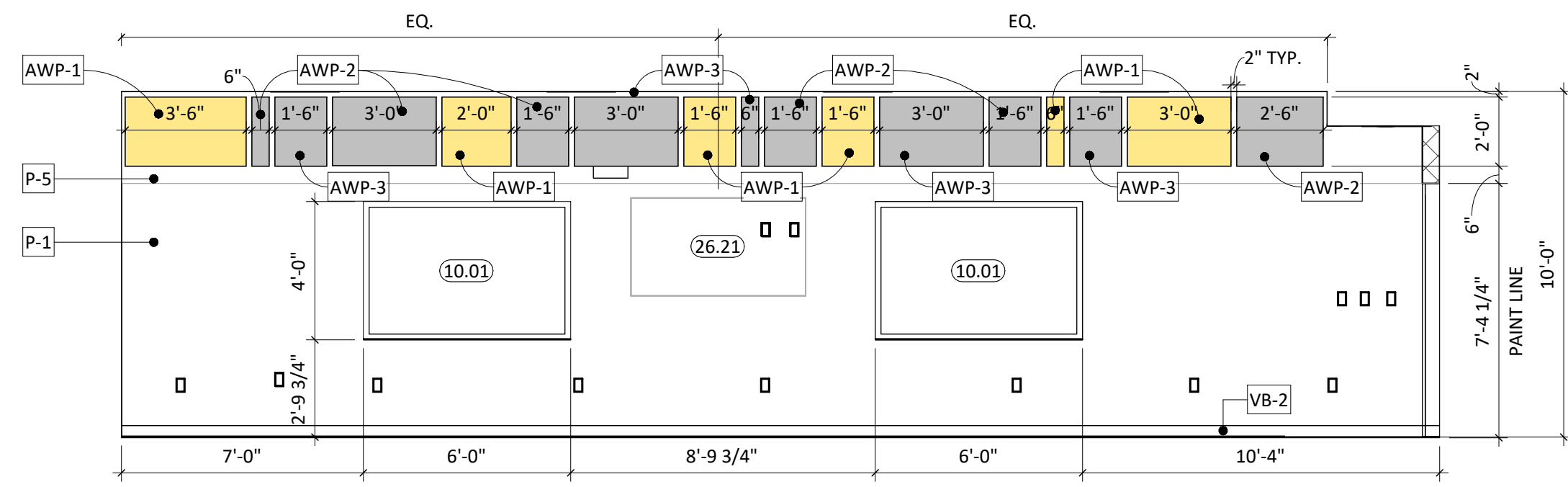
REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

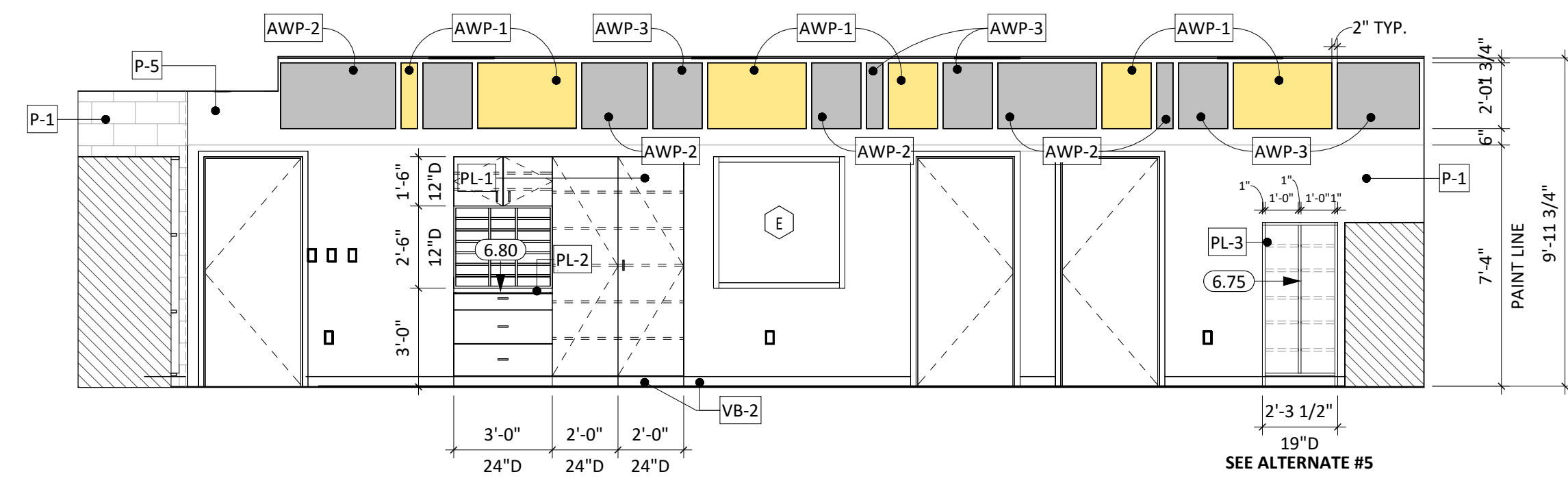
SHEET TITLE:
INTERIOR ELEVATIONS - AREA A

A400.A

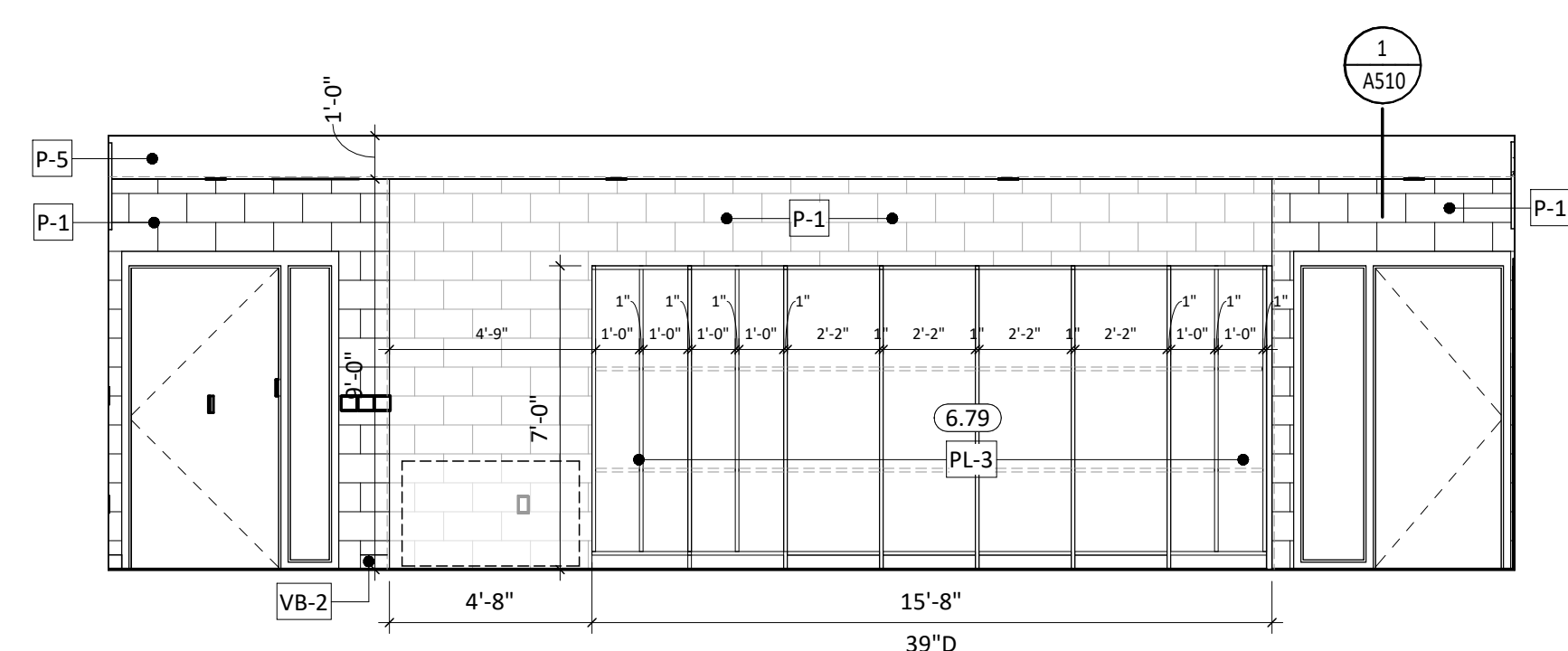




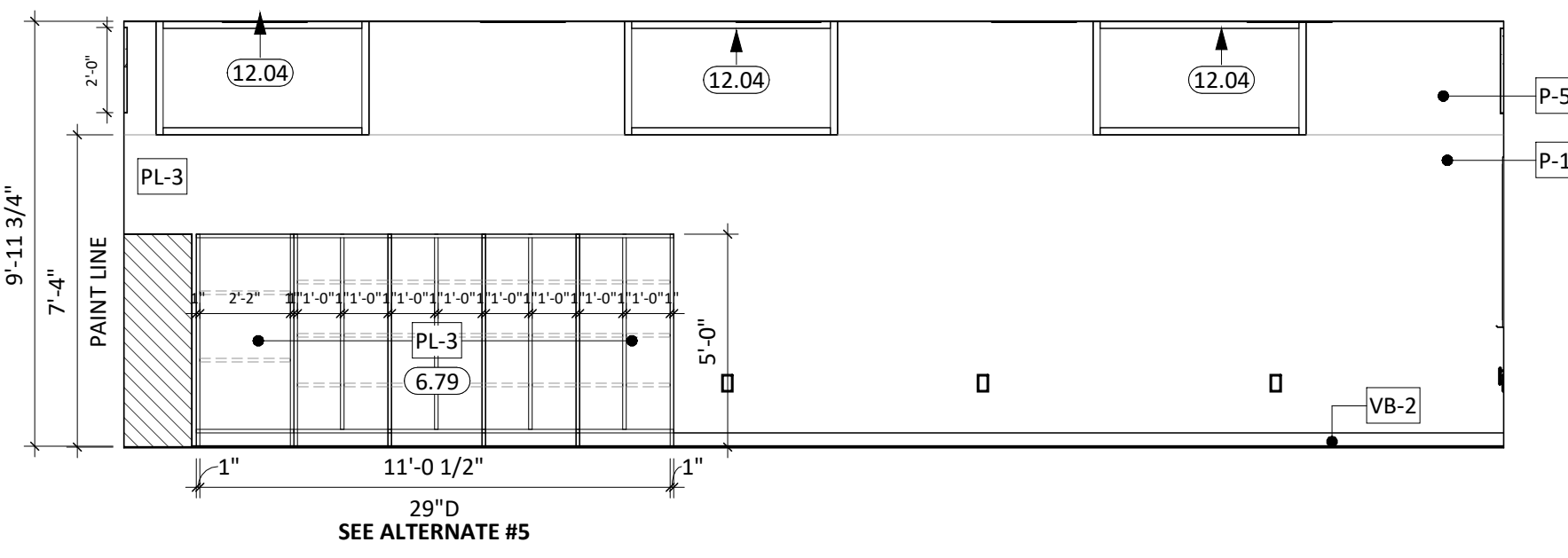
① MUSIC ROOM - NORTH ELEV.
1/4" = 1'-0"



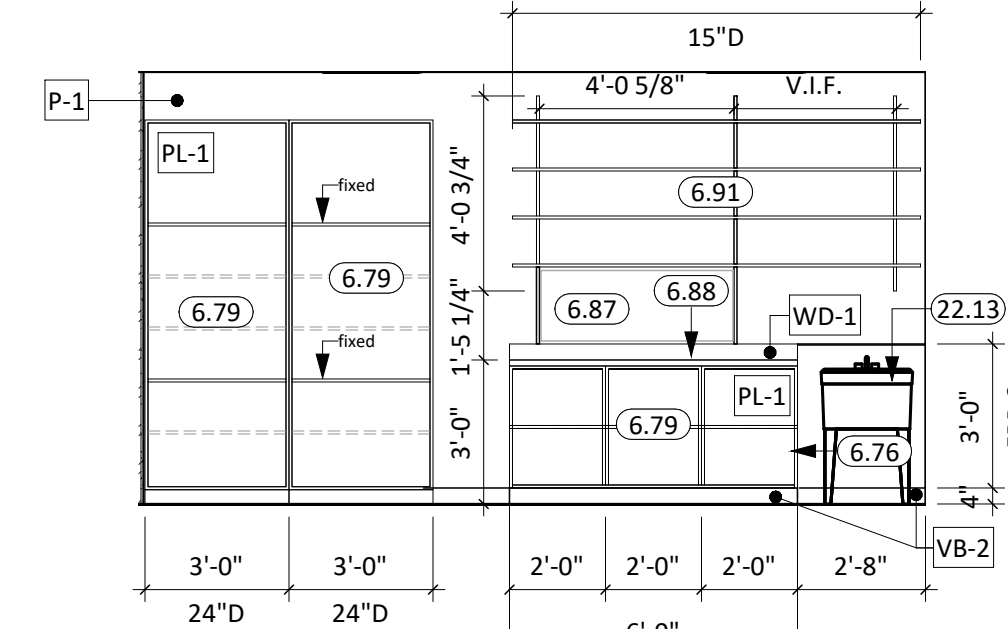
② MUSIC ROOM - SOUTH ELEV.
1/4" = 1'-0"



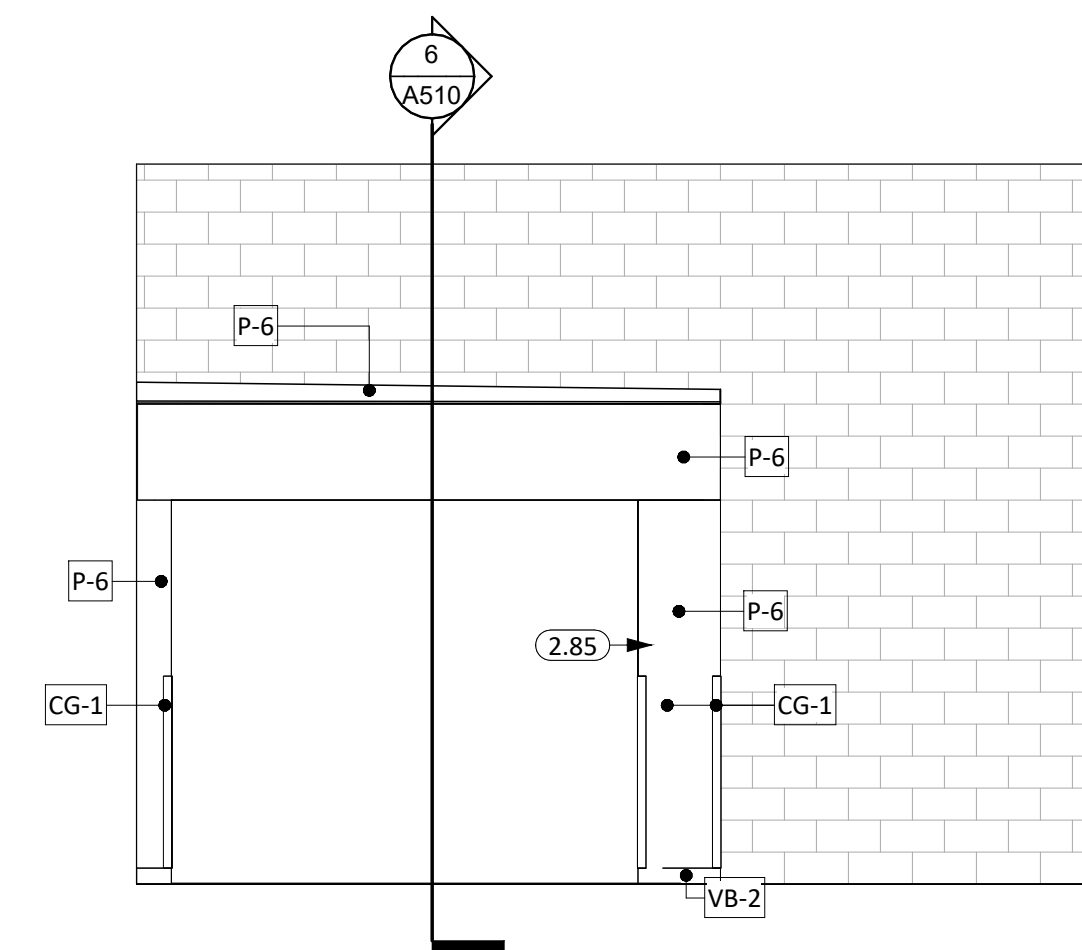
③ MUSIC ROOM - EAST ELEV.
1/4" = 1'-0"



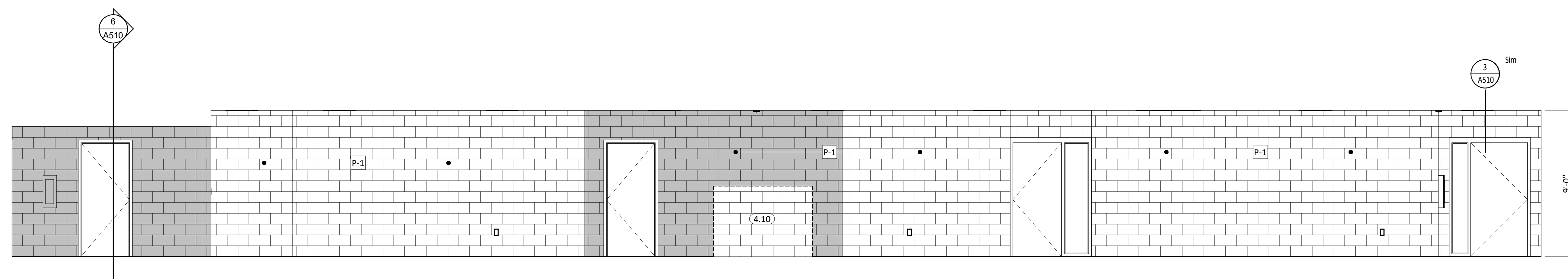
④ MUSIC ROOM - WEST ELEV.
1/4" = 1'-0"



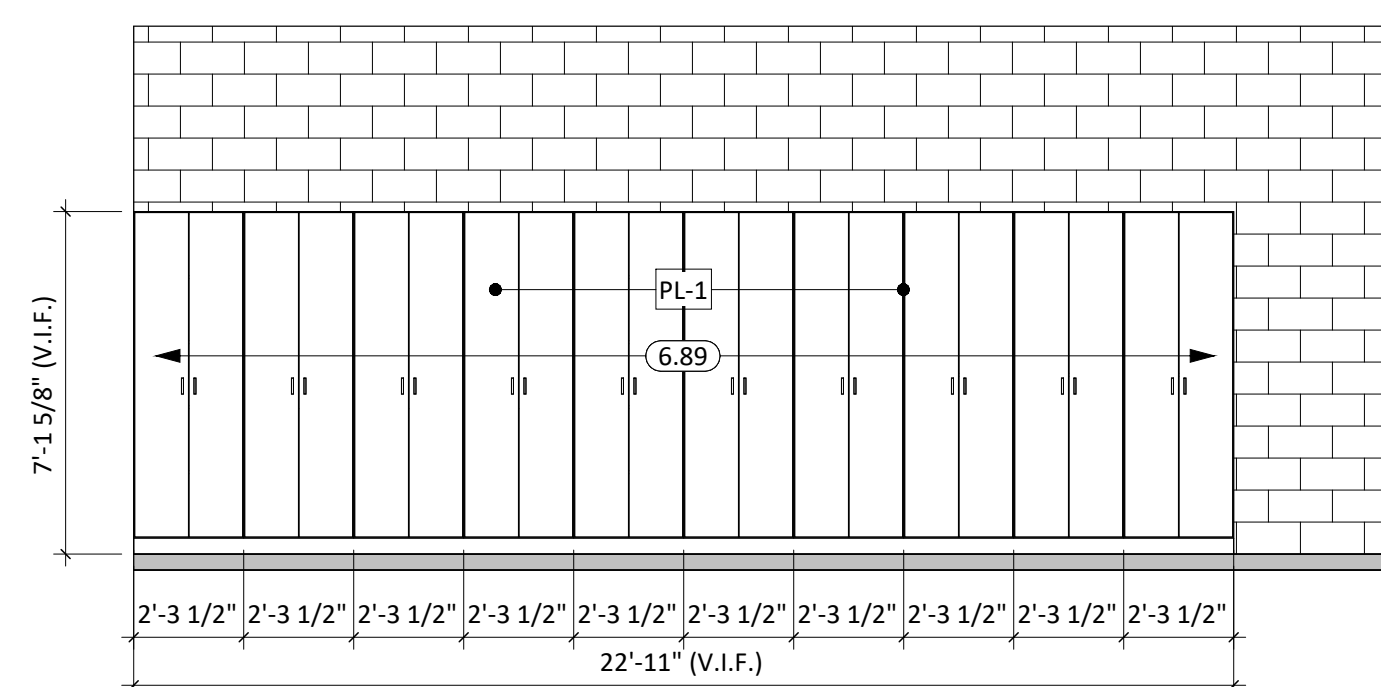
⑥ STORAGE B108 SOUTH ELEV.
1/4" = 1'-0"



⑤ GYMNASIUM VESTIBULE
1/4" = 1'-0"



⑧ CORRIDOR B100 - WEST ELEV.
1/4" = 1'-0"

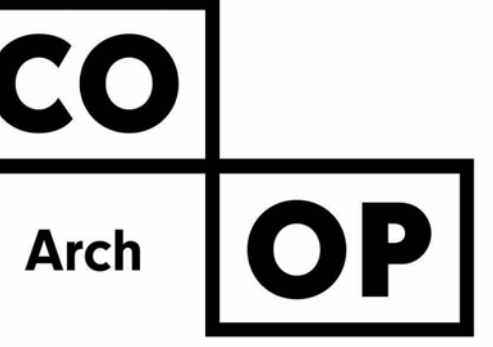


⑦ ELEMENTARY SPED - WEST CASEWORK - ALTERNATE #7
1/4" = 1'-0"

- ### GENERAL NOTES
- SEE SHEET 6000 FOR REQUIRED ADA CLEARANCES & MOUNTING HEIGHTS.
 - FIRE RATED WALLS ARE INDICATED ON THE CODE PLANS.
 - ALL WALLS TO EXTEND TO DECK UNLESS OTHERWISE NOTED ON WALL TYPES.
 - RESTROOM WALLS ARE SOUND INSULATED AND EXTEND TO THE DECK.
 - ALL INTERIOR DIMENSIONS ARE FROM FACE OF GWB/CMU TO FACE OF GWB/CMU, UNLESS OTHERWISE NOTED.
 - SEE FLOOR PLAN FOR CASEWORK PLAN INFORMATION. FIELD VERIFY ALL CASEWORK OPENINGS. COORDINATE ALL CASEWORK DIMENSIONS WITH OWNER PROVIDED AND CONTRACTOR PROVIDED APPLIANCES/EQUIPMENT.
 - PROVIDE COUNTERTOP SUPPORTS AT OPEN SPACES AT MINIMUM OF 32" ON CENTER AND MAXIMUM OF 48" ON CENTER.
 - TALL CABINETS OVER 30" WIDE SHALL HAVE VERTICAL DIVIDER FULL HEIGHT.
 - COORDINATE DEVICE PENETRATIONS AT COUNTERTOPS W/ MECHANICAL AND ELECTRICAL.
 - MILLWORK SUPPLIER SHALL PROVIDE FILLER PANELS AND SCRIBE STRIPS AS NEEDED FOR COMPLETE INSTALLATION.
 - PROVIDE FINISHED END PANELS AT EXPOSED MILLWORK SURFACES.
 - COORDINATE INSTALLATION OF OWNER PROVIDED EQUIPMENT WITH NEW CONSTRUCTION.
 - CAULK PERIMETER OF TUB/SHOWER UNITS, TOILETS, URINALS, SINKS AND COUNTERTOPS AS REQUIRED.
 - PROVIDE 2x BLOCKING AT GRAB BAR AND FUTURE GRAB BAR LOCATIONS. SEE CODE SHEETS FOR ADDITIONAL BLOCKING INFORMATION.

KEYNOTE SCHEDULE

2.85	REMOVE AND SALVAGE "AED" BOX & SIGNAGE
4.10	CONCRETE MASONRY UNIT
6.75	PLASTIC LAMINATE TALL STORAGE CABINET
6.76	FINISHED END
6.79	PLASTIC LAMINATE OPEN SHELF BASE CABINET, ADI.
6.80	PLASTIC LAMINATE COUNTERTOP
6.87	PEG BOARD, 18"x48"W
6.88	1.5" MAPLE BUTCHER BLOCK BENCHTOP W/ SPLASH, SEALED
6.89	PLASTIC LAMINATE (PL-1) PARTIAL OVERLAY DOORS ON EXISTING MUSIC STORAGE CASEWORK - VERIFY EXISTING CASEWORK IN FIELD (ALTERNATE #7)
6.91	STANDARDS & BRACKETS, WHITE MELAMINE
10.01	TACKBOARD
12.04	ROLLER WINDOW SHADES, SEE FINISH LEGEND
22.13	SINGLE COMPARTMENT SINK
26.21	TV DISPLAY, PROVIDED BY OWNER



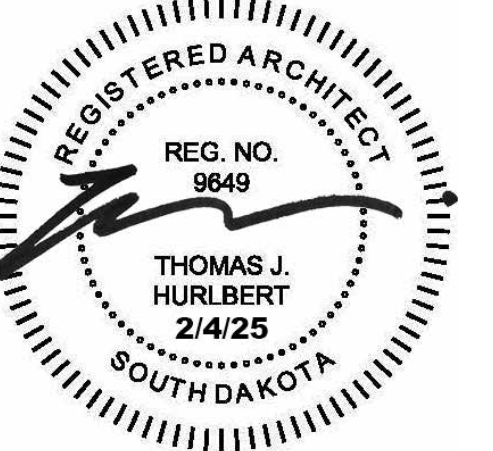
1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

600 Kansas City St. 1
Rapid City, SD 57701
Phone: 605-716-3652

440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

co-oparch.com

CO-OP PROJECT NO: 2447



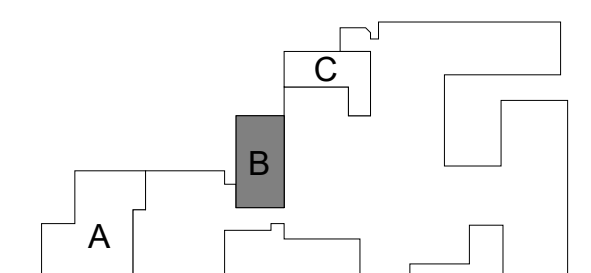
ISSUE:
2/4/2025 100% CONSTRUCTION DOCUMENTS

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
INTERIOR ELEVATIONS - AREA B

A401.B

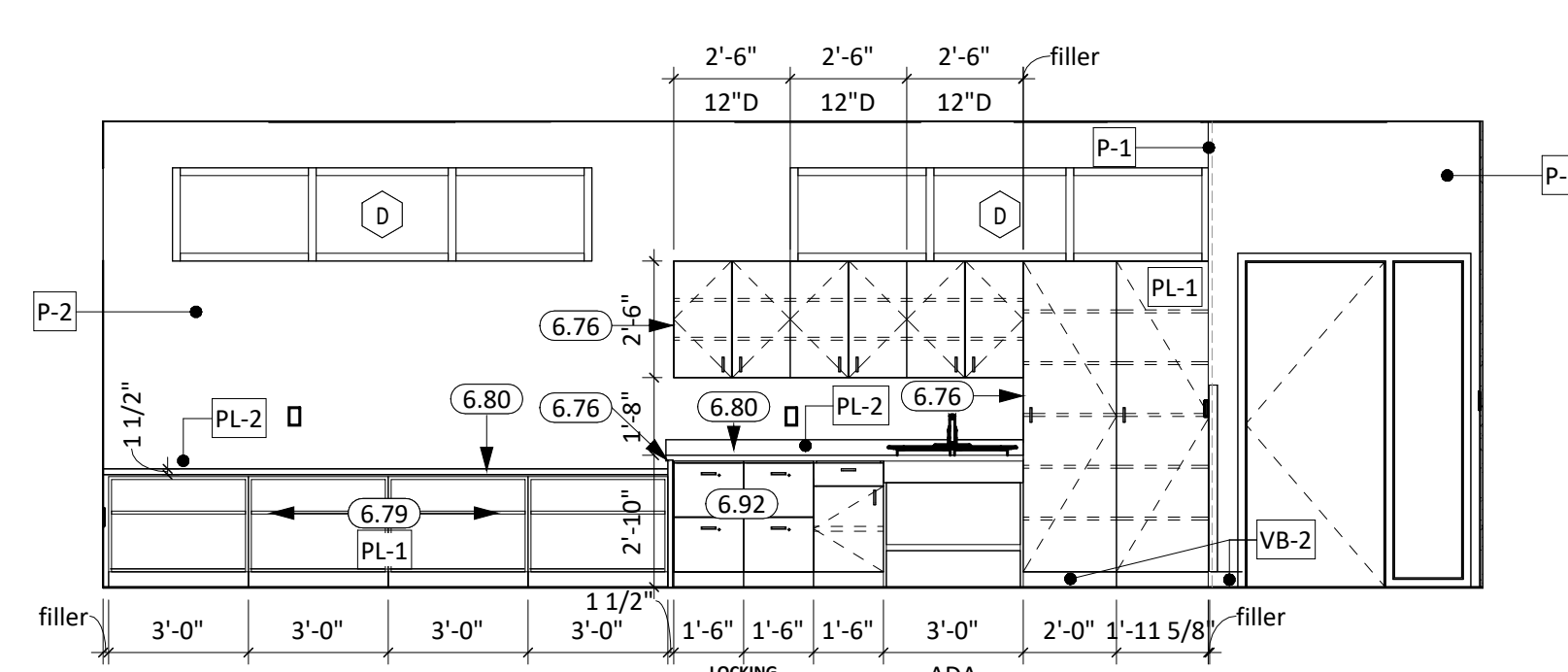


GENERAL NOTES

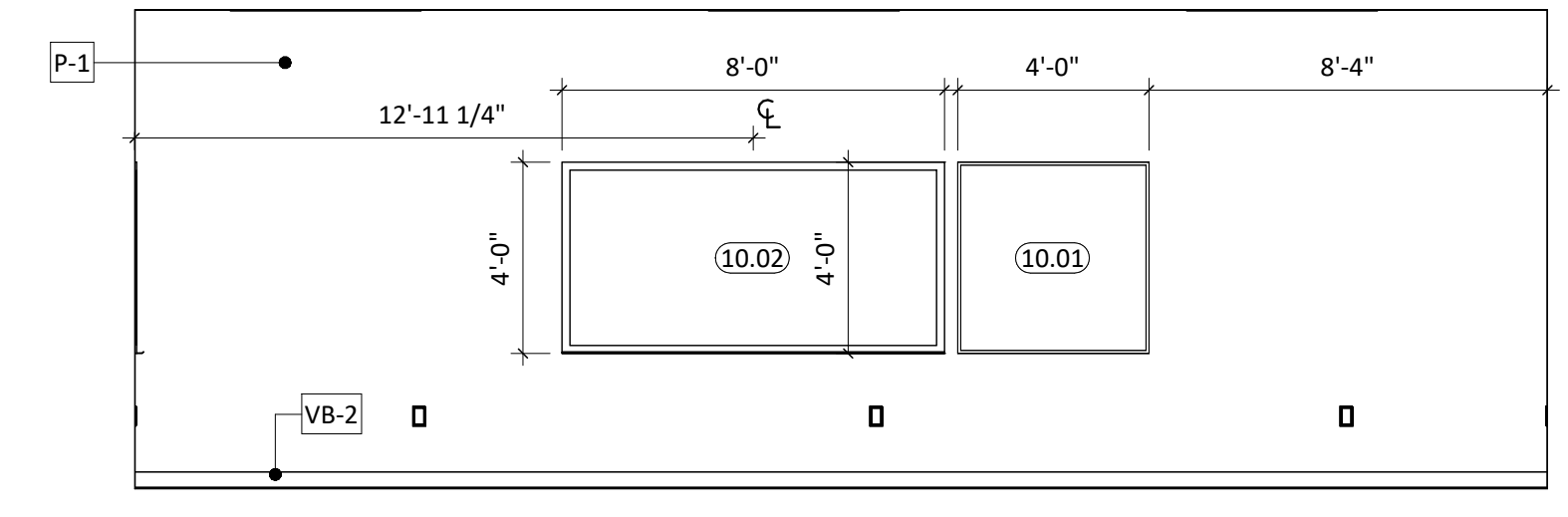
- SEE SHEET **6000** FOR REQUIRED ADA CLEARANCES & MOUNTING HEIGHTS.
- FIRE RATED WALLS ARE INDICATED ON THE CODE PLANS.
- ALL WALLS TO EXTEND TO DECK UNLESS OTHERWISE NOTED ON WALL TYPES.
- RESTROOM WALLS ARE SOUND INSULATED AND EXTEND TO THE DECK.
- ALL INTERIOR DIMENSIONS ARE FROM FACE OF GWB/CMU TO FACE OF GWB/CMU, UNLESS OTHERWISE NOTED.
- SEE FLOOR PLAN FOR CASEWORK PLAN INFORMATION. FIELD VERIFY ALL CASEWORK OPENINGS. COORDINATE ALL CASEWORK DIMENSIONS WITH OWNER PROVIDED AND CONTRACTOR PROVIDED APPLIANCES/EQUIPMENT.
- PROVIDE COUNTERTOP SUPPORTS AT OPEN SPACES AT MINIMUM OF 32" ON CENTER AND MAXIMUM OF 48" ON CENTER.
- TALL CABINETS OVER 30" WIDE SHALL HAVE VERTICAL DIVIDER FULL HEIGHT.
- COORDINATE DEVICE PENETRATIONS AT COUNTERTOPS W/ MECHANICAL AND ELECTRICAL.
- MILLWORK SUPPLIER SHALL PROVIDE FILLER PANELS AND SCRIBE STRIPS AS NEEDED FOR COMPLETE INSTALLATION.
- PROVIDE FINISHED END PANELS AT EXPOSED MILLWORK SURFACES.
- COORDINATE INSTALLATION OF OWNER PROVIDED EQUIPMENT WITH NEW CONSTRUCTION.
- CAULK PERIMETER OF TUB/SHOWER UNITS, TOILETS, URINALS, SINKS AND COUNTERTOPS AS REQUIRED.
- PROVIDE 2x BLOCKING AT GRAB BAR AND FUTURE GRAB BAR LOCATIONS. SEE CODE SHEETS FOR ADDITIONAL BLOCKING INFORMATION.

KEYNOTE SCHEDULE

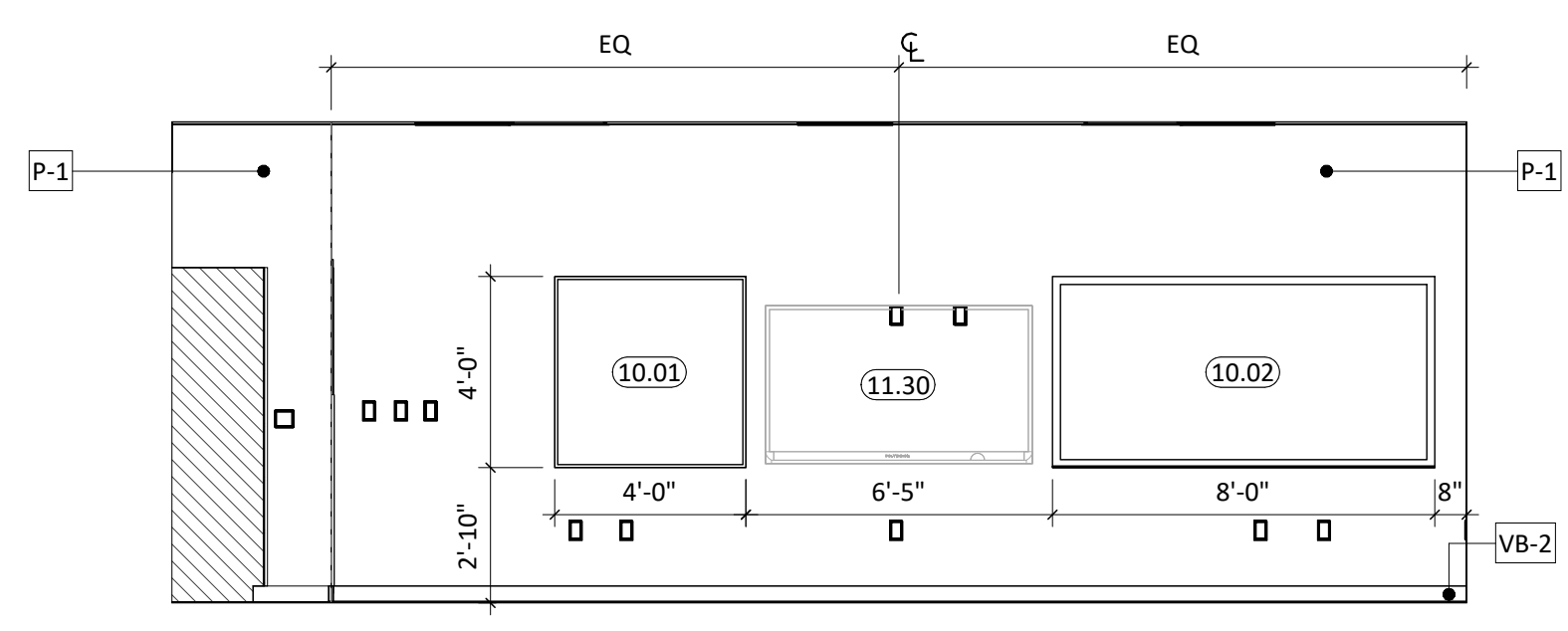
6.76	FINISHED END
6.79	PLASTIC LAMINATE OPEN SHELF BASE CABINET, ADJ.
6.80	PLASTIC LAMINATE COUNTERTOP
6.92	LOCK
10.01	TACKBOARD
10.02	MARKERBOARD, BASIS OF DESIGN CLARIDGE LCS DELUXE PORCELAIN WHITERBOARDS
11.30	PROJECTION SCREEN
26.21	TV DISPLAY, PROVIDED BY OWNER



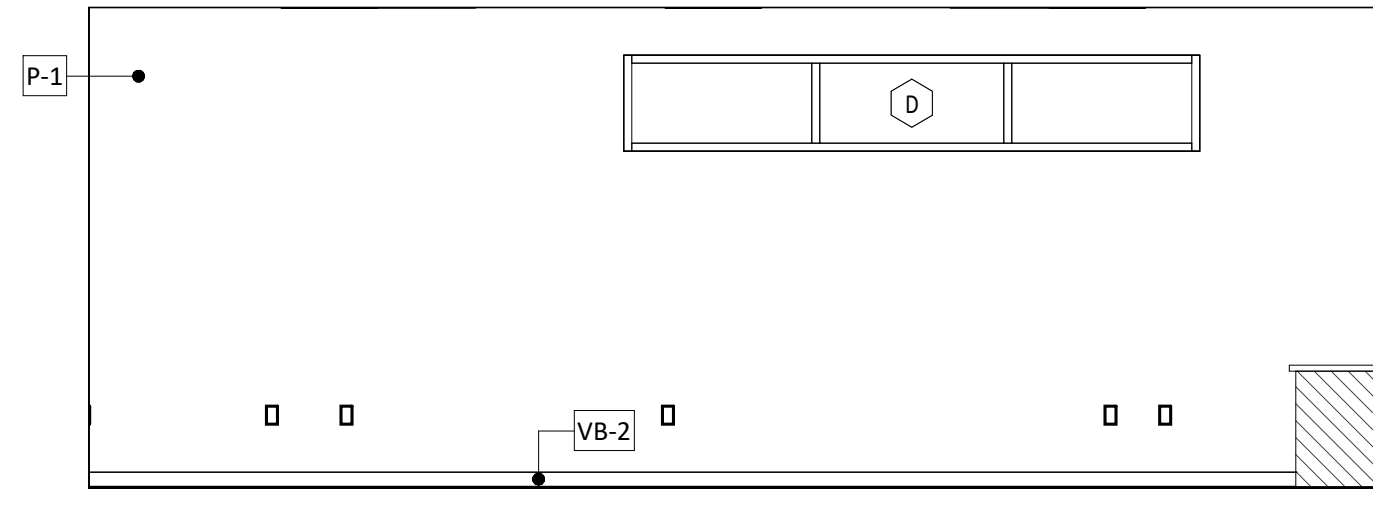
1 CLASSROOM C104 - NORTH ELEV.
1/4" = 1'-0"



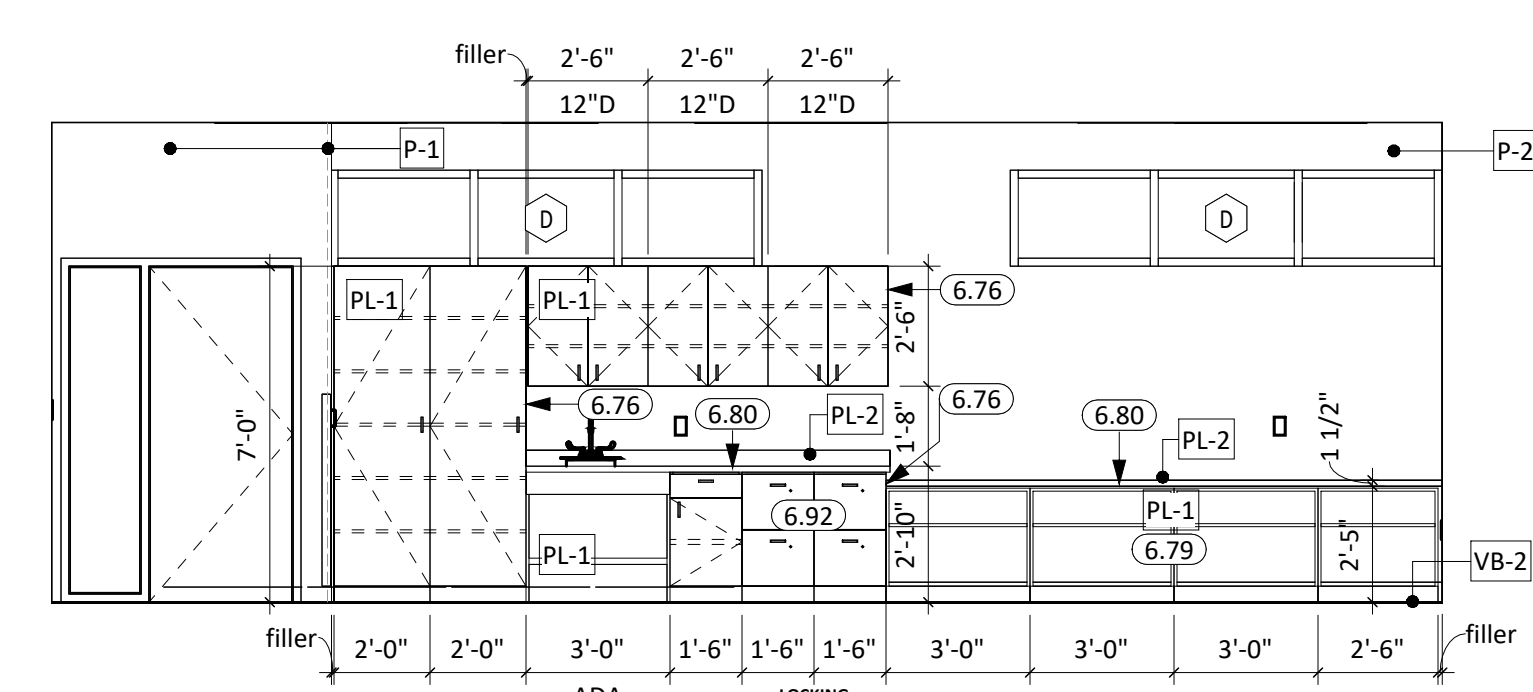
2 CLASSROOM C104 - SOUTH ELEV.
1/4" = 1'-0"



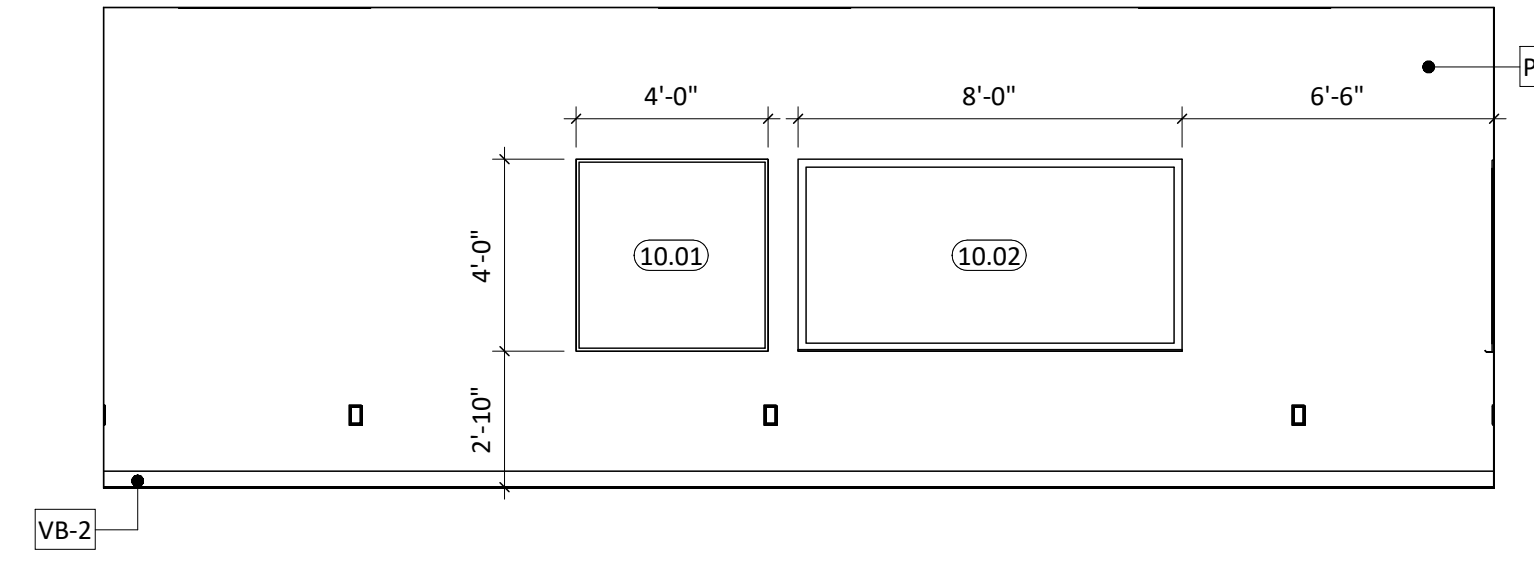
3 CLASSROOM C104 - EAST ELEV.
1/4" = 1'-0"



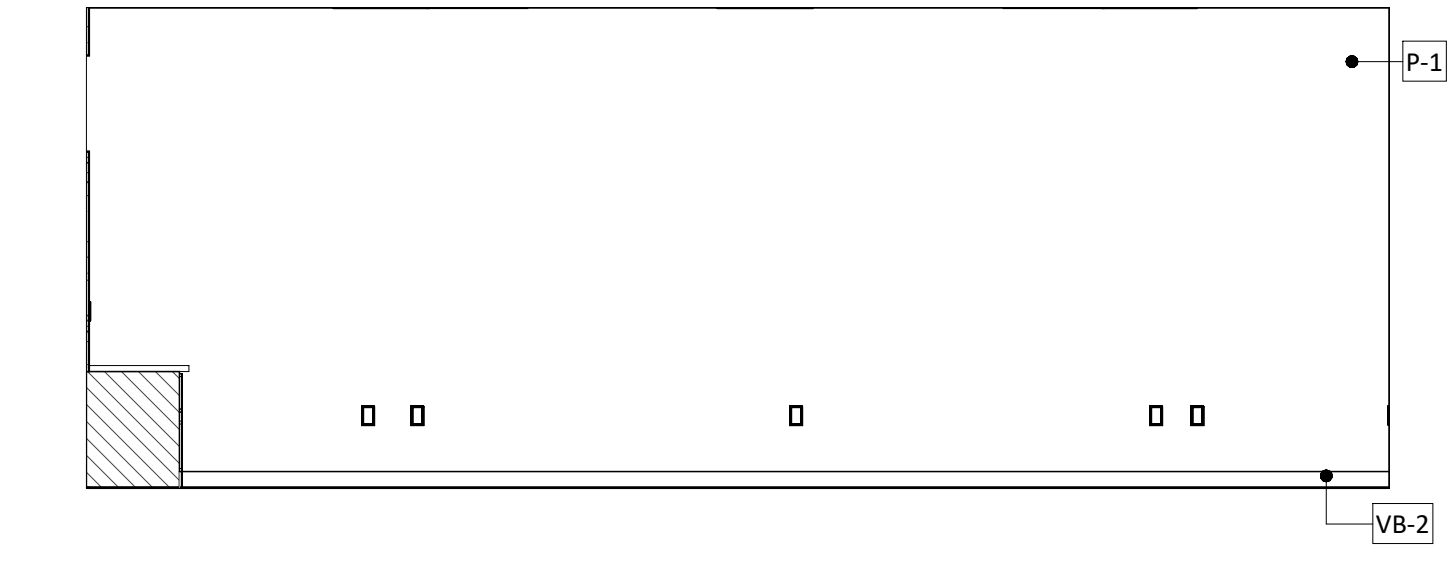
4 CLASSROOM C104 - WEST ELEV.
1/4" = 1'-0"



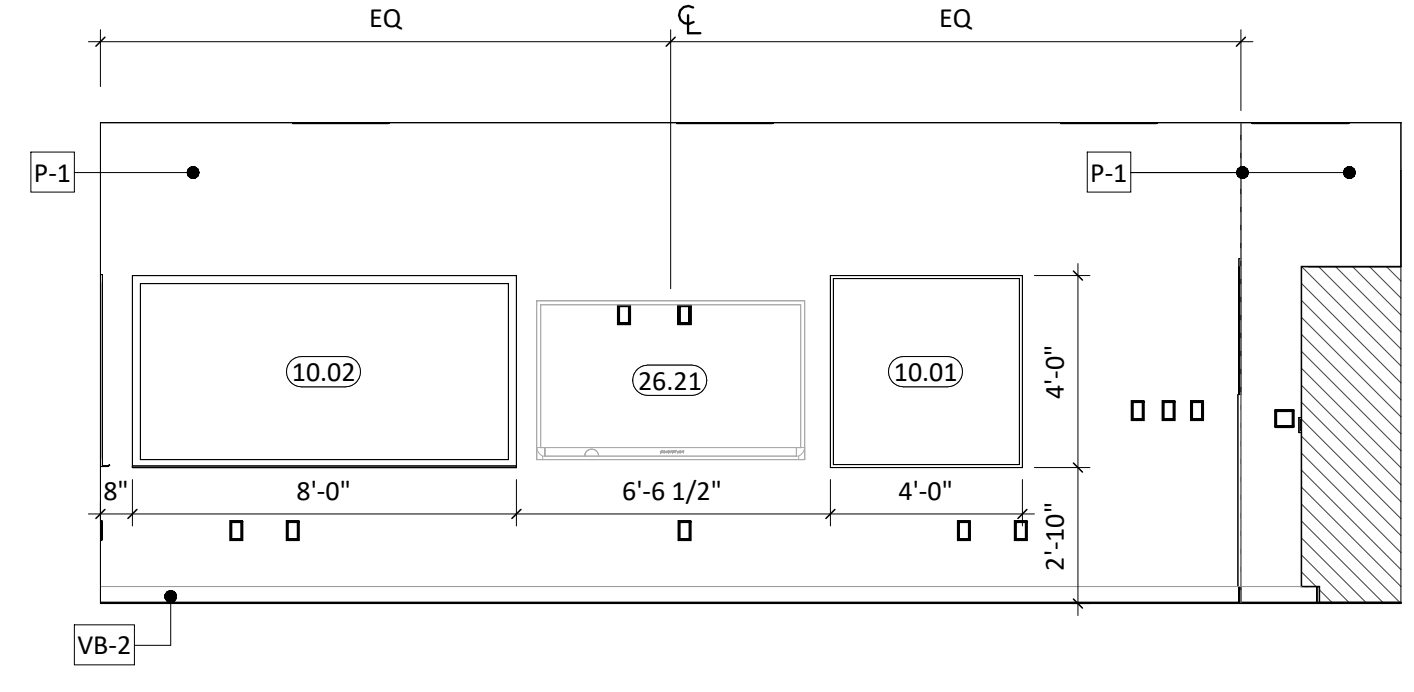
5 CLASSROOM C106 - NORTH ELEV.
1/4" = 1'-0"



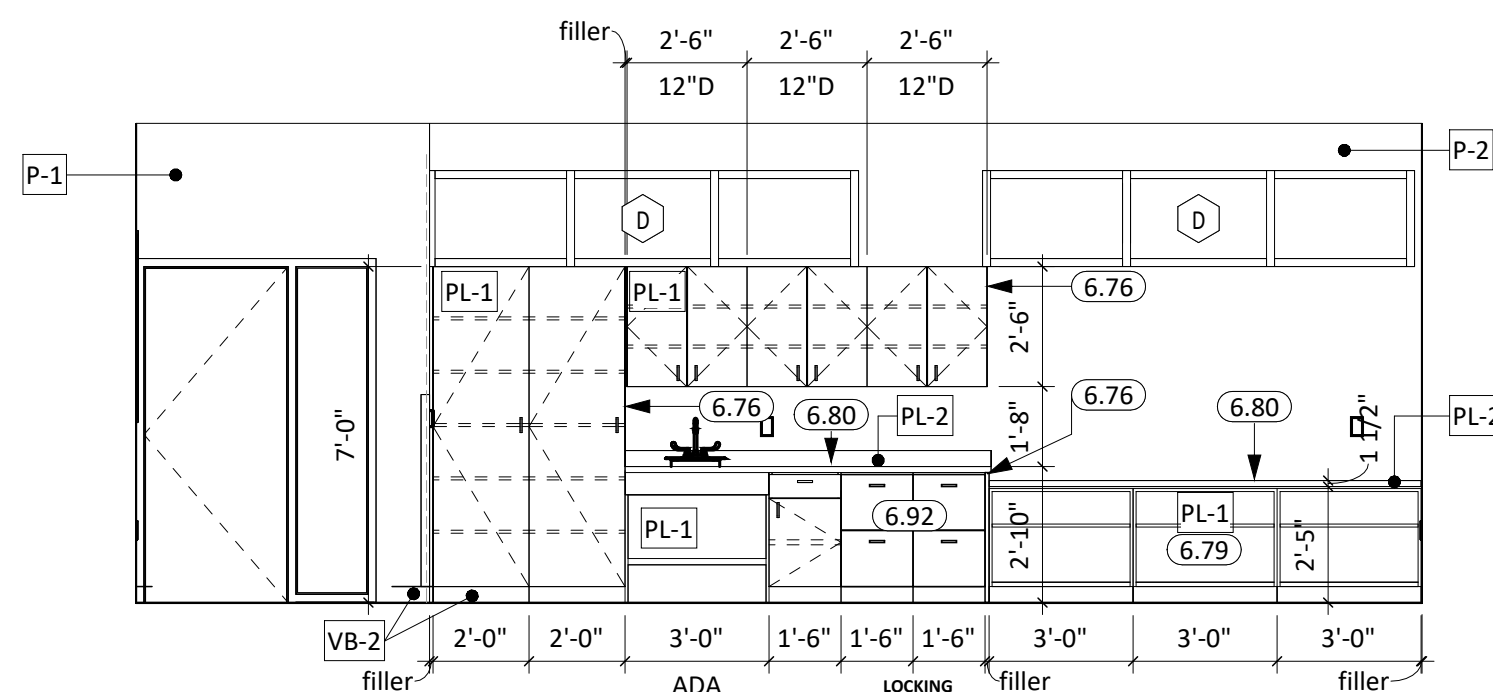
6 CLASSROOM C106 - SOUTH ELEV.
1/4" = 1'-0"



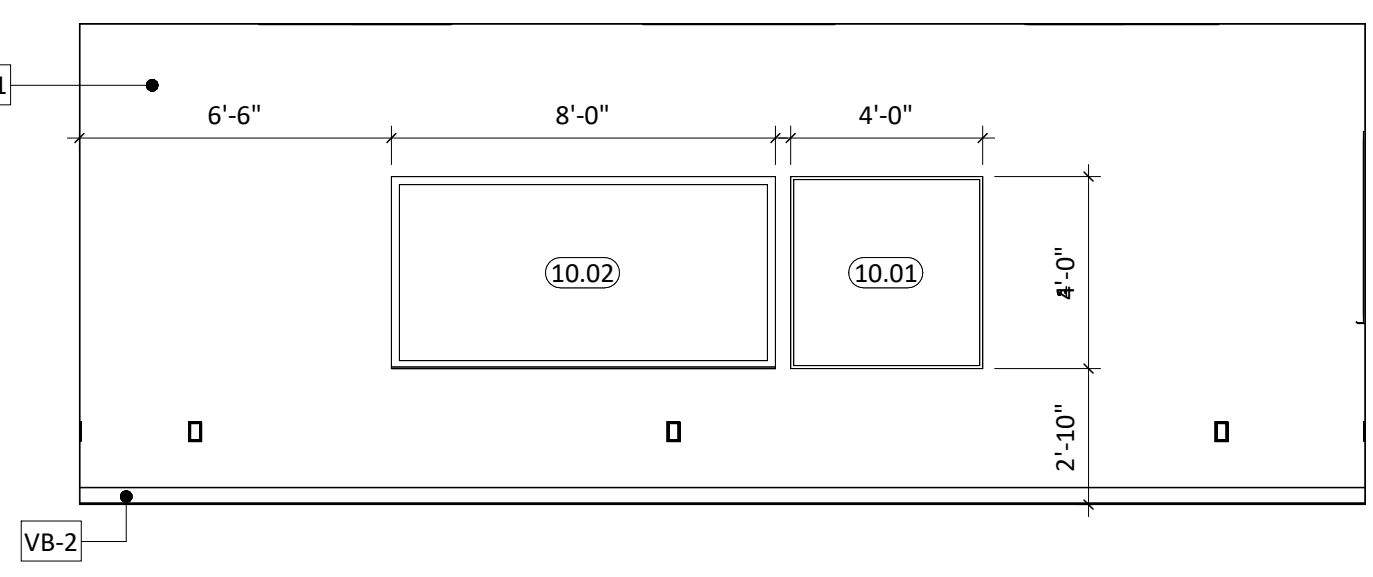
7 CLASSROOM C106 - EAST ELEV.
1/4" = 1'-0"



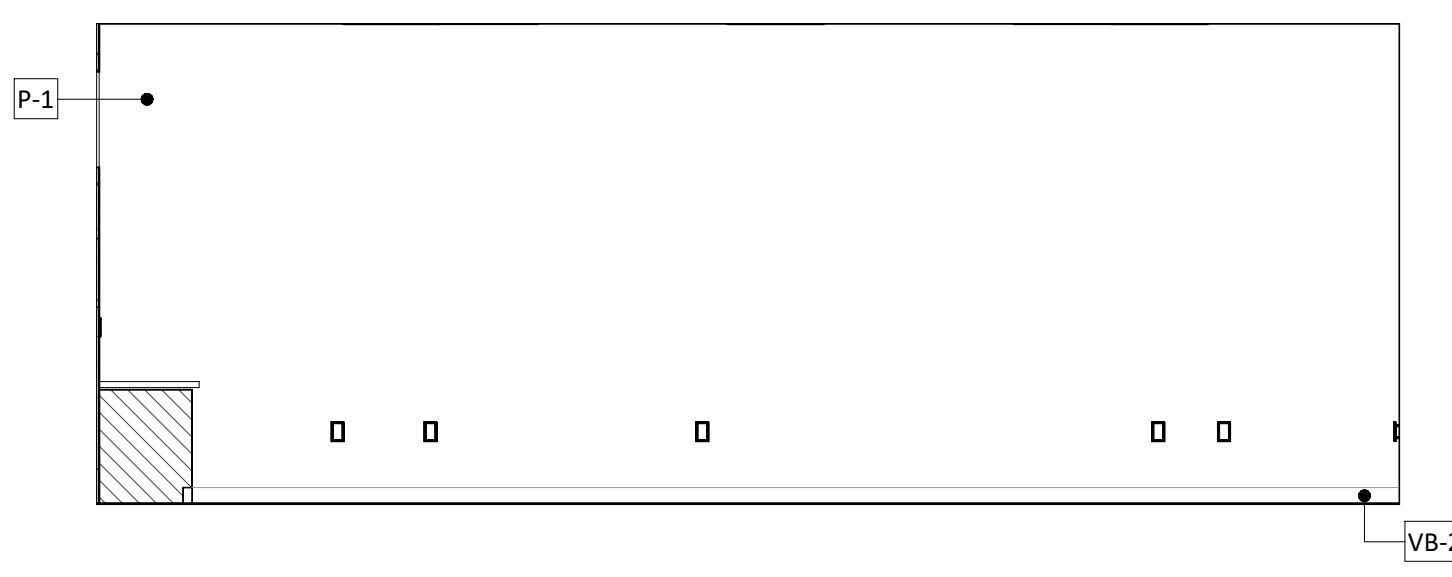
8 CLASSROOM C106 - WEST ELEV.
1/4" = 1'-0"



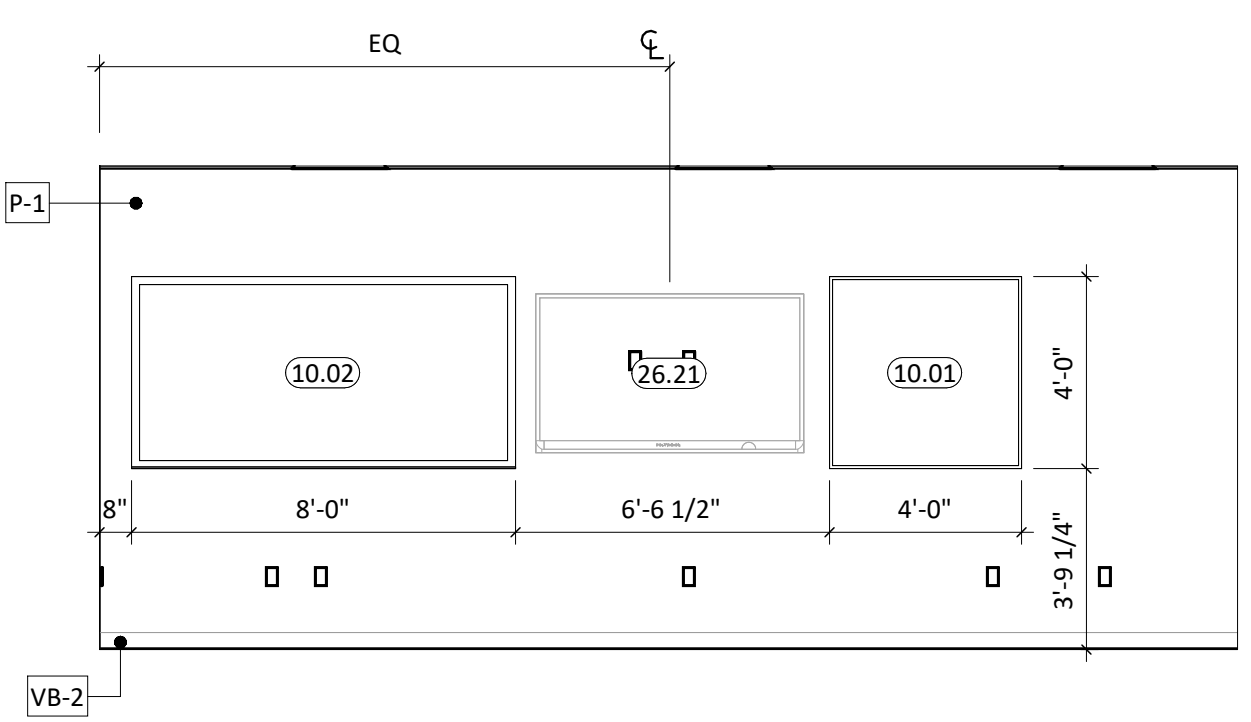
9 CLASSROOM C108 - NORTH ELEV.
1/4" = 1'-0"



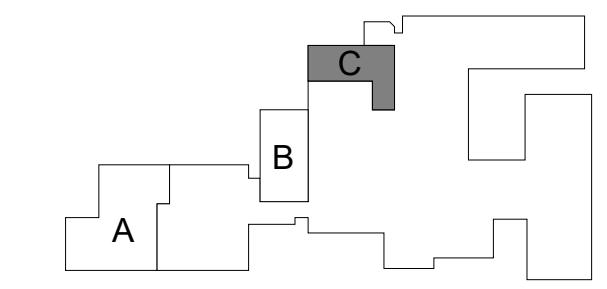
10 CLASSROOM C108 - SOUTH ELEV.
1/4" = 1'-0"



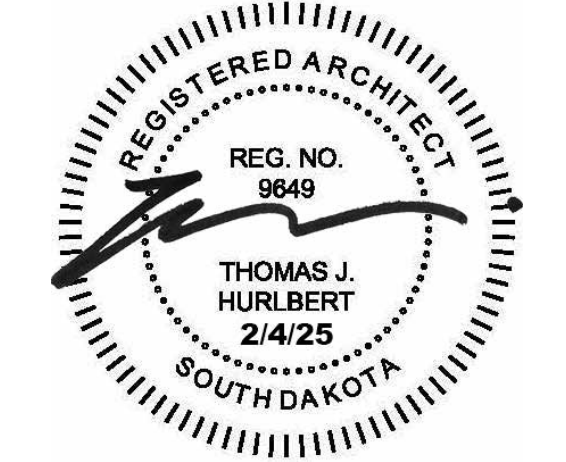
11 CLASSROOM C108 - EAST ELEV.
1/4" = 1'-0"



12 CLASSROOM C108 - WEST ELEV.
1/4" = 1'-0"



CO-OP PROJECT NO: 2447



ISSUE:
2/4/2025 100% CONSTRUCTION DOCUMENTS

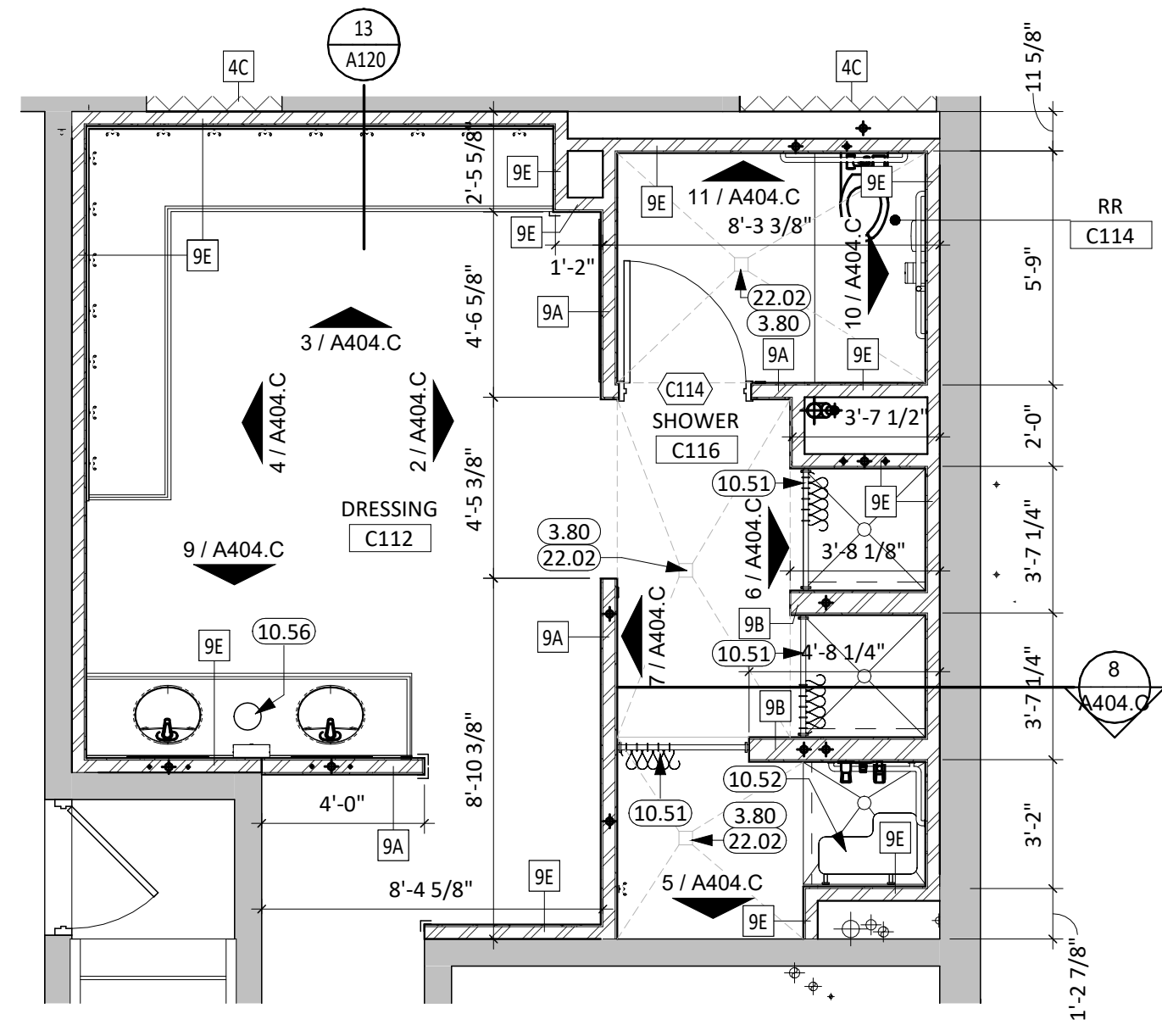
REVISION SCHEDULE:

REV. #	REV. DSC.	REV. DATE
--------	-----------	-----------

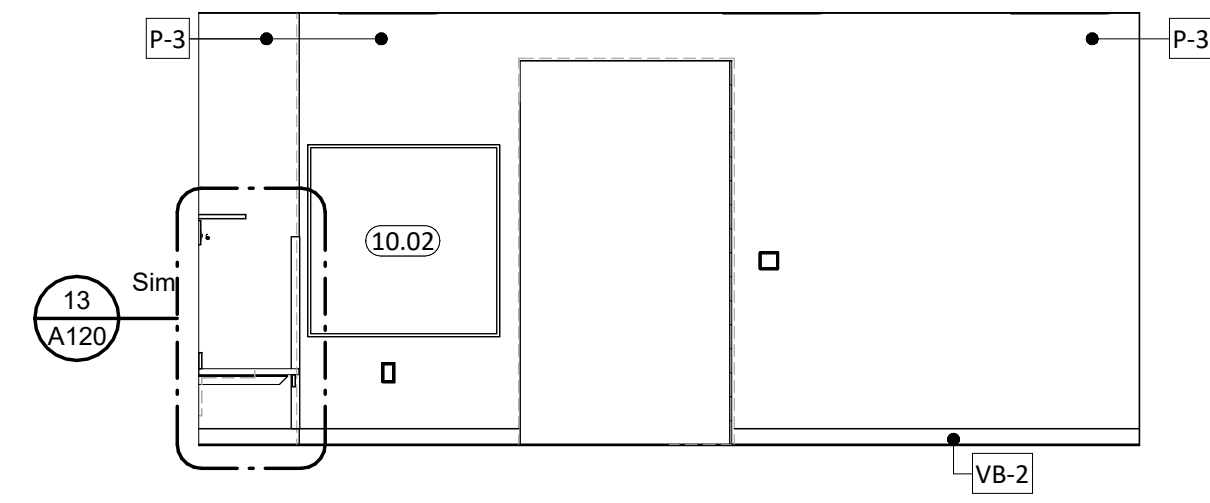
PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
INTERIOR ELEVATIONS - AREA C

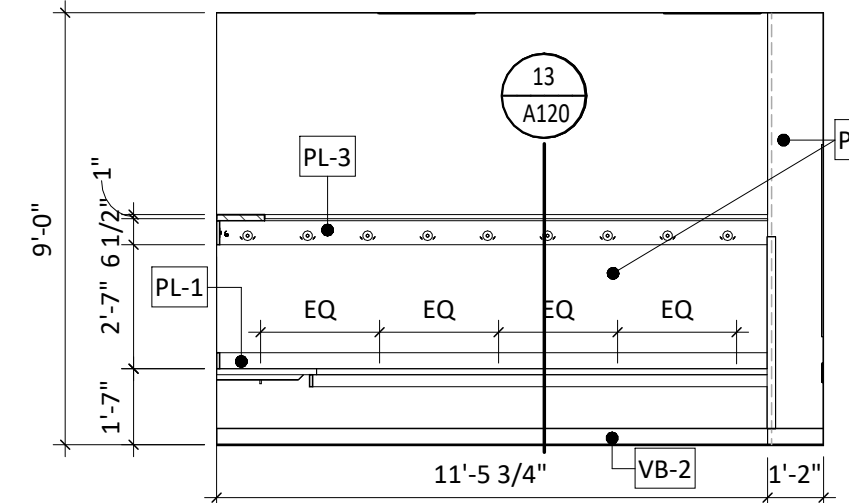
A402.C



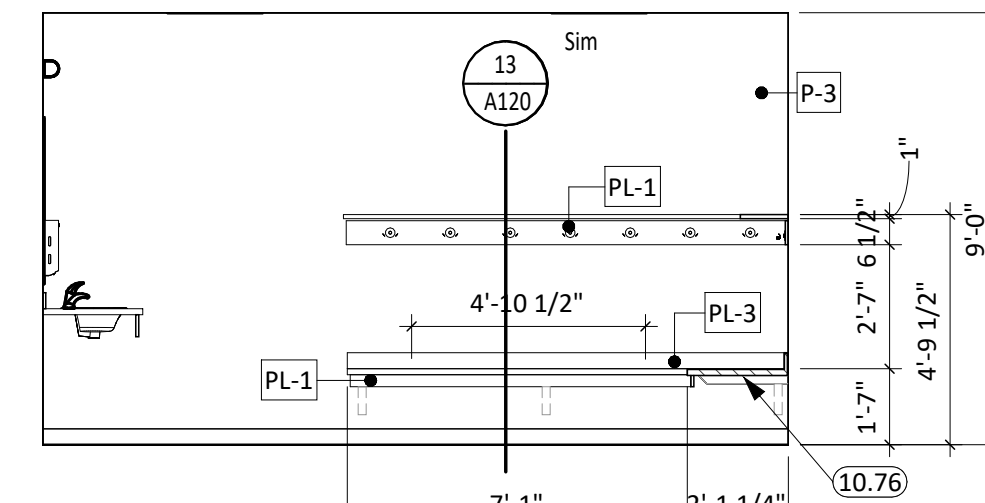
1 SHOWER ENLARGED PLAN
1/4" = 1'-0"



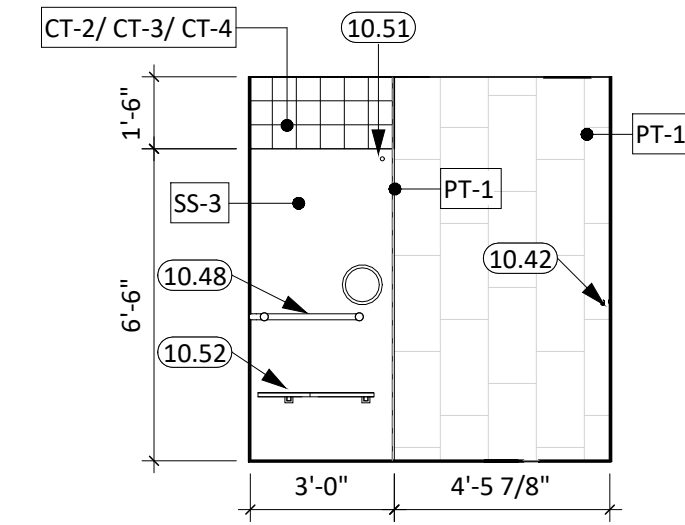
2 VISITOR LOCKER ROOM- EAST ELEV.
1/4" = 1'-0"



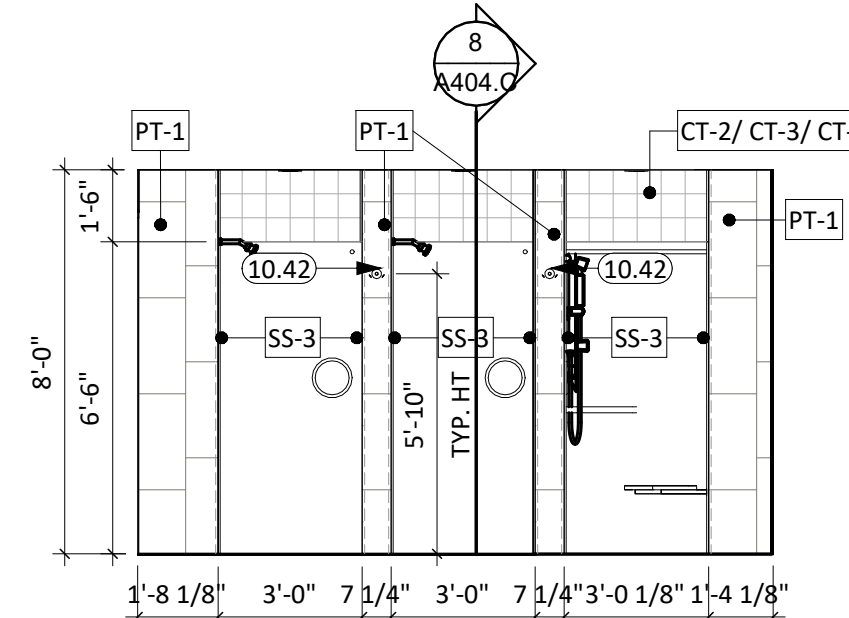
3 VISITOR LOCKER ROOM- NORTH ELEV.
1/4" = 1'-0"



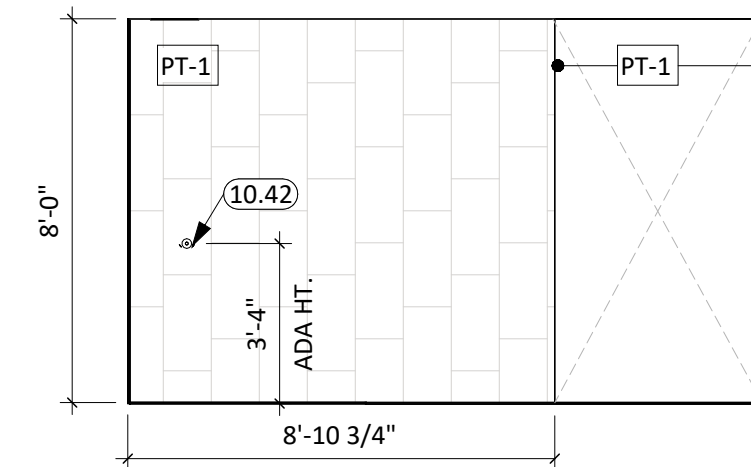
4 VISITOR LOCKER ROOM- WEST ELEV.
1/4" = 1'-0"



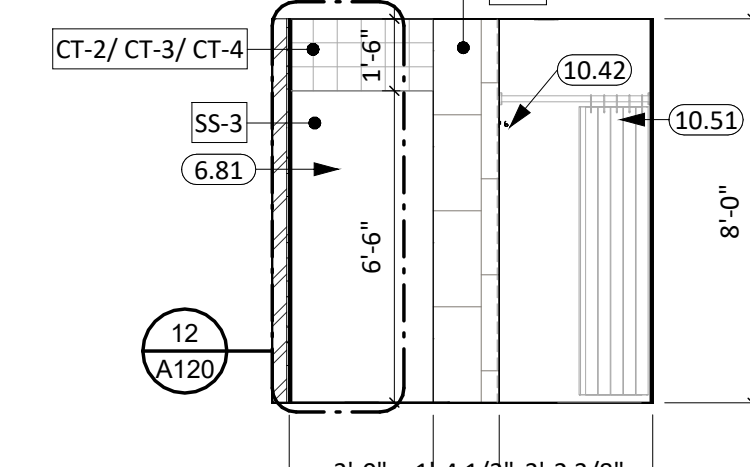
5 SHOWERS - SOUTH ELEV.
1/4" = 1'-0"



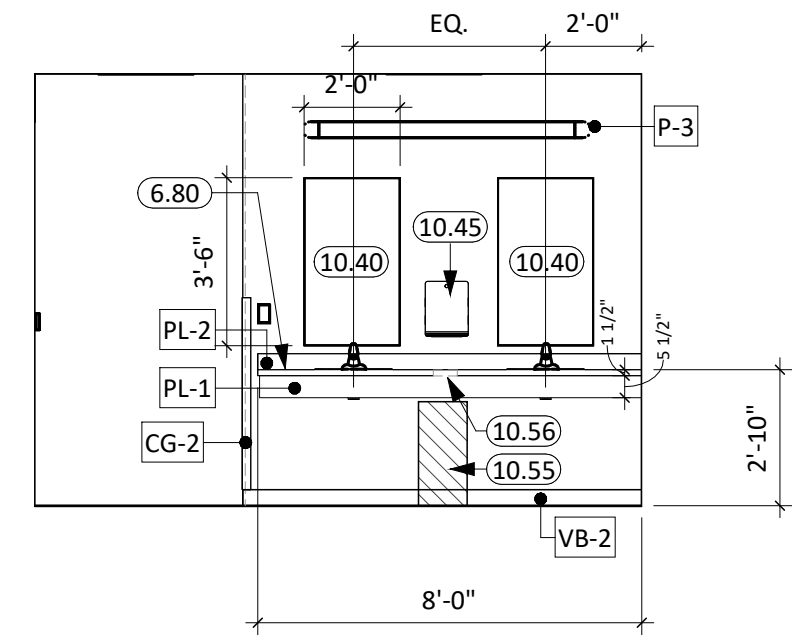
6 SHOWERS - EAST ELEV.
1/4" = 1'-0"



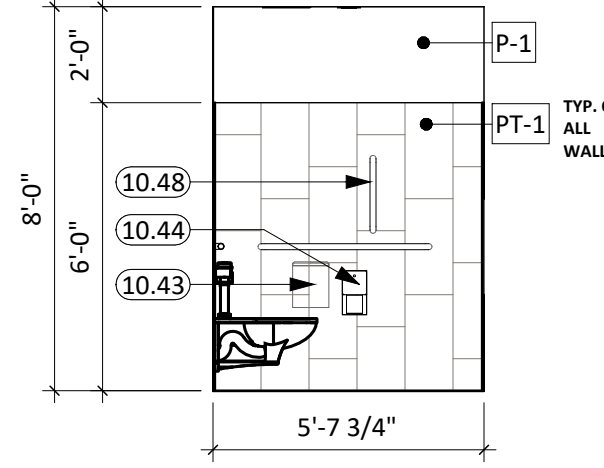
7 SHOWERS - WEST ELEV.
1/4" = 1'-0"



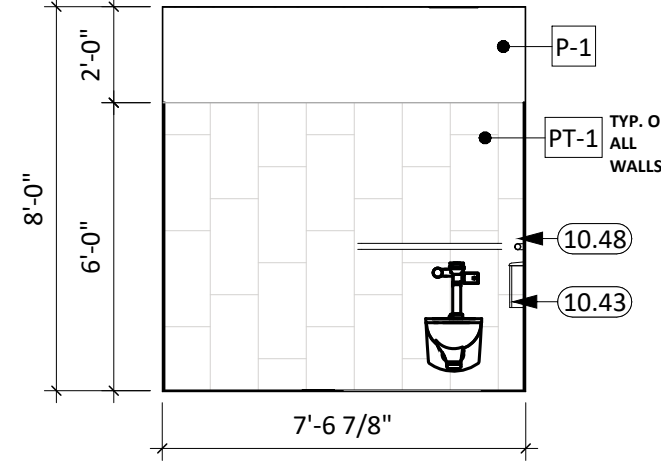
8 SHOWER DETAIL-1
1/4" = 1'-0"



9 VISITOR LOCKER ROOM- SOUTH ELEV.
1/4" = 1'-0"



10 C114 RR - EAST ELEV.
1/4" = 1'-0"



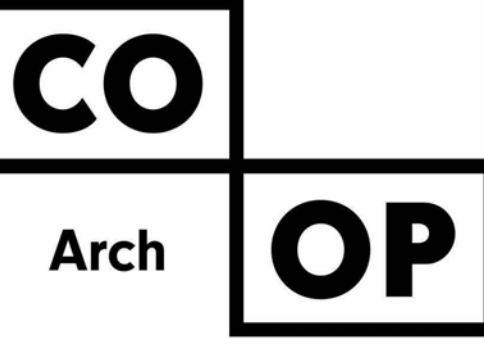
11 C114 RR - NORTH ELEV.
1/4" = 1'-0"

GENERAL NOTES

- SEE SHEET 6000 FOR REQUIRED ADA CLEARANCES & MOUNTING HEIGHTS.
- FIRE RATED WALLS ARE INDICATED ON THE CODE PLANS.
- ALL WALLS TO EXTEND TO DECK UNLESS OTHERWISE NOTED ON WALL TYPES.
- RESTROOM WALLS ARE SOUND INSULATED AND EXTEND TO THE DECK.
- ALL INTERIOR DIMENSIONS ARE FROM FACE OF GWB/CMU, UNLESS OTHERWISE NOTED.
- SEE FLOOR PLAN FOR CASEWORK PLAN INFORMATION. FIELD VERIFY ALL CASEWORK OPENINGS. COORDINATE ALL CASEWORK DIMENSIONS WITH OWNER PROVIDED AND CONTRACTOR PROVIDED APPLIANCES/EQUIPMENT.
- PROVIDE COUNTERTOP SUPPORTS AT OPEN SPACES AT MINIMUM OF 32" ON CENTER AND MAXIMUM OF 48" ON CENTER.
- TALL CABINETS OVER 30" WIDE SHALL HAVE VERTICAL DIVIDER FULL HEIGHT.
- COORDINATE DEVICE PENETRATIONS AT COUNTERTOPS W/ MECHANICAL AND ELECTRICAL.
- MILLWORK SUPPLIER SHALL PROVIDE FILLER PANELS AND SCRIBE STRIPS AS NEEDED FOR COMPLETE INSTALLATION.
- PROVIDE FINISHED END PANELS AT EXPOSED MILLWORK SURFACES.
- COORDINATE INSTALLATION OF OWNER PROVIDED EQUIPMENT WITH NEW CONSTRUCTION.
- CAULK PERIMETER OF TUB/SHOWER UNITS, TOILETS, URINALS, SINKS AND COUNTERTOPS AS REQUIRED.
- PROVIDE 2x BLOCKING AT GRAB BAR AND FUTURE GRAB BAR LOCATIONS. SEE CODE SHEETS FOR ADDITIONAL BLOCKING INFORMATION.

KEYNOTE SCHEDULE

3.80	CONC. FLOOR TO HAVE 1/4" PER FT. SLOPE MIN. TO FLOOR DRAINS (SEE MECH.)
6.80	PLASTIC LAMINATE COUNTERTOP
6.81	SOLID SURFACE
10.02	MARKERBOARD, BASIS OF DESIGN CLARIDGE LCS DELUXE PORCELAIN WHITEBOARDS
10.40	MIRROR W/SS TRIM, BASIS OF DESIGN BOBRICK B-165
10.42	ROBE HOOK, BASIS OF DESIGN BOBRICK B-677
10.43	SANITARY NAPKIN DISPOSAL
10.44	TOILET TISSUE DISPENSER: OWNER PROVIDED, CONTRACTOR INSTALLED
10.45	PAPER TOWEL DISPENSER: OWNER PROVIDED, CONTRACTOR INSTALLED
10.48	GRAB BAR
10.51	SHOWER ROD, CURTAIN, & HOOKS
10.52	SHOWER SEAT
10.55	TRASH CAN: OWNER PROVIDED
10.56	8" COUNTERTOP TRASH W/ STAINLESS STEEL RING
10.76	HEAVY DUTY HIDDEN MOUNT BRACKET
22.02	FLOOR DRAIN (SEE MECH.)



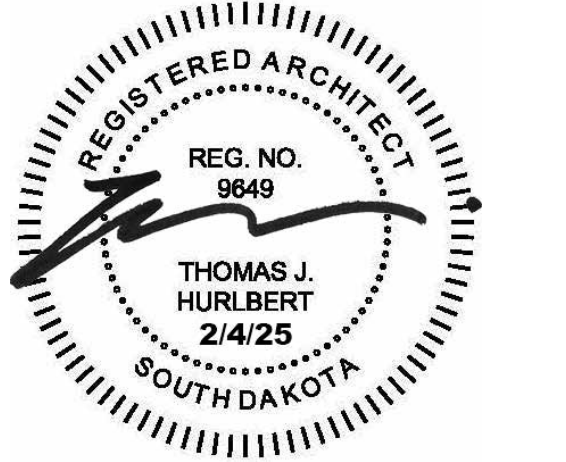
1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

600 Kansas City St. 1
Rapid City, SD 57701
Phone: 605-716-3652

440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

co-oparch.com

CO-OP PROJECT NO: 2447



ISSUE:
2/4/2025 100% CONSTRUCTION DOCUMENTS

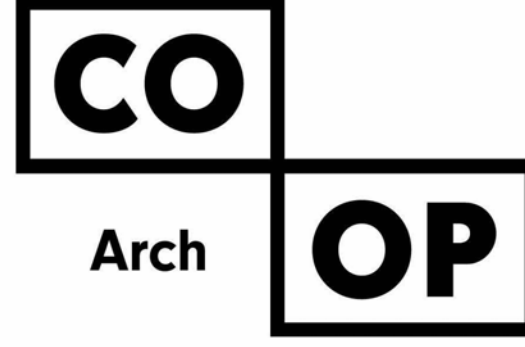
REVISION SCHEDULE:	REV. #	REV. DSC.	REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
ENLARGED PLAN & ELEVATIONS -
AREA C

A404.C

KEYNOTE SCHEDULE	
3.01	CONC. FLOOR SLAB ON GRADE (SEE STRUCT. FOR THICKNESS AND REINF.) w/ 15 MIL. VAPOR BARRIER BELOW
3.04	CONT. CONC. FOUNDATION WALL (SEE STRUCTURAL PLANS)
3.08	CONCRETE APRON (SEE CIVIL & STRUCTURAL FOR THICKNESS, REINF. AND OTHER REQUIREMENTS)
3.11	1/2" EXPANSION/ISOLATION JOINT MATERIAL
3.12	15 MIL VAPOR BARRIER
4.01	BRICK VENEER (COLOR TO MATCH EXISTING, COORDINATE WITH ARCHITECT)
4.10	CONCRETE MASONRY UNIT
4.20	THRU-WALL FLASHING
4.22	WEEP VENTS
4.23	MORTAR NET
5.02	STRUCTURAL STEEL BEAM (SEE ARCH. & STRUCT.)
5.21	STEEL ROOF DECK (SEE ARCH. & STRUCT.)
6.02	2X WOOD STUD FRAMING
6.31	1/2" EXTERIOR SHEATHING
6.34	1/2" PLYWOOD
7.10	VAPOR BARRIER
7.11	AIR & MOISTURE WEATHER BARRIER
7.12	SEALANT (PROVIDE BACKER ROD WHERE REQ.)
7.14	EXTERIOR INSULATION & FINISH SYSTEM (EIFS)
7.20	BATT INSULATION
7.21	RIGID INSULATION (2" POLYISO - U.O.N.)
7.31	ICE AND WATER SHIELD
7.32	RIGID INSULATION (SEE ROOF TYPES FOR REQUIREMENTS)
7.40	METAL WALL PANELS MP-1 (MATCH EXISTING PROFILE AND COLOR) (PROVIDE ALL REQ. TRIM & FLASHING)
7.43	METAL PANEL CLOSURE (RAKE TRIM OR SIMILAR, MATCH EXISTING/ADJACENT STRUCTURE)
7.46	METAL ROOF PANELS (PROVIDE ALL REQ. TRIM & FLASHING)
7.70	PRE-FINISHED SHEET METAL FLASHING
7.72	PRE-FINISHED METAL DRIP EDGE
7.76	PRE-FINISHED METAL REGLET FLASHING
7.85	PRE-FINISHED GLITTER (COLOR TO MATCH EXISTING)
8.33	OVERHEAD SECTIONAL GARAGE DOOR - INSULATED & MOTORIZED
9.04	3 5/8" STEEL STUD & TRACK FRAMING
9.12	Z-FURRING CHANNEL
9.21	5/8" GYPSUM BOARD
23.10	DUCTWORK (SEE MECH.)
23.12	LOUVER (SEE MECH.)
31.01	ENGINEERED FILL (COORD. REQ. w/ SOILS REPORT)
31.07	FREE DRAINING SAND FILL (SEE STRUCT.)

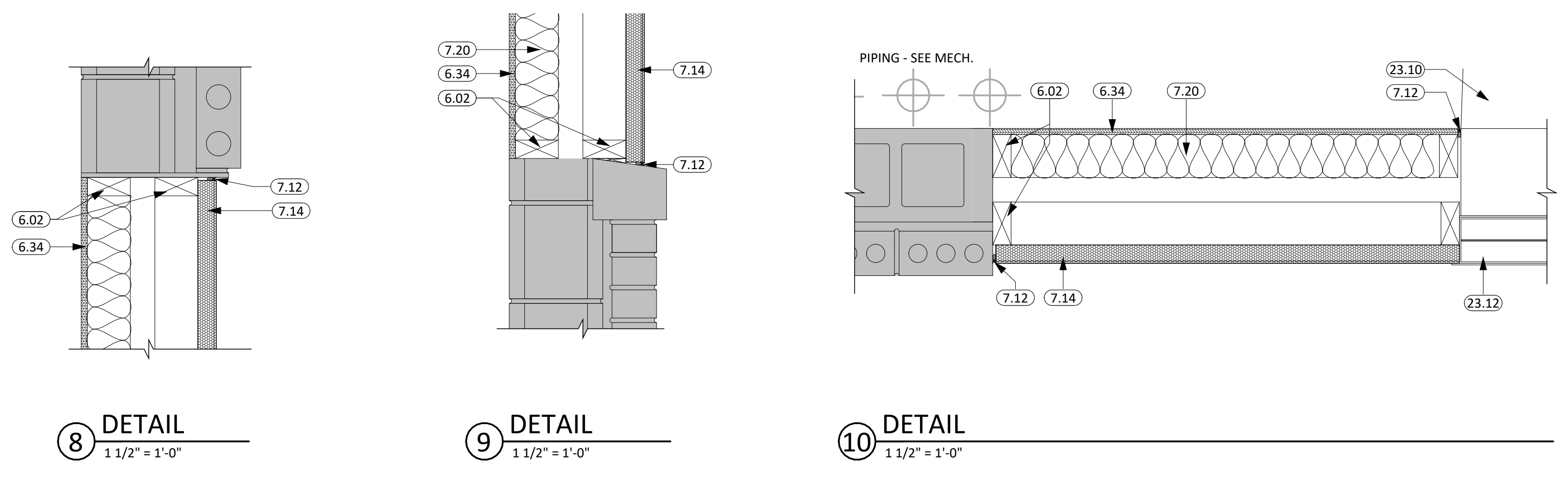
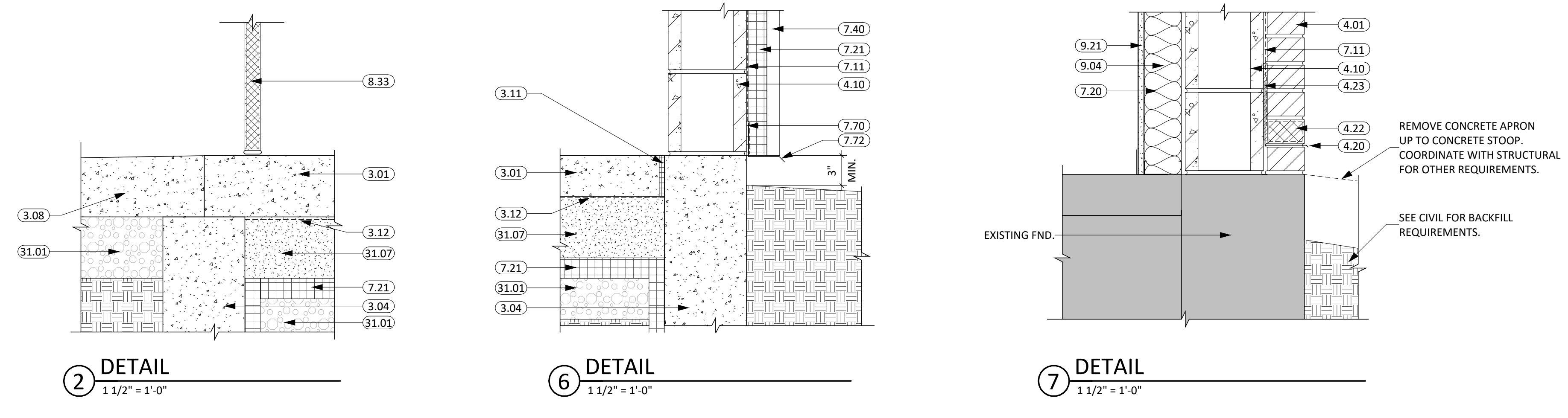
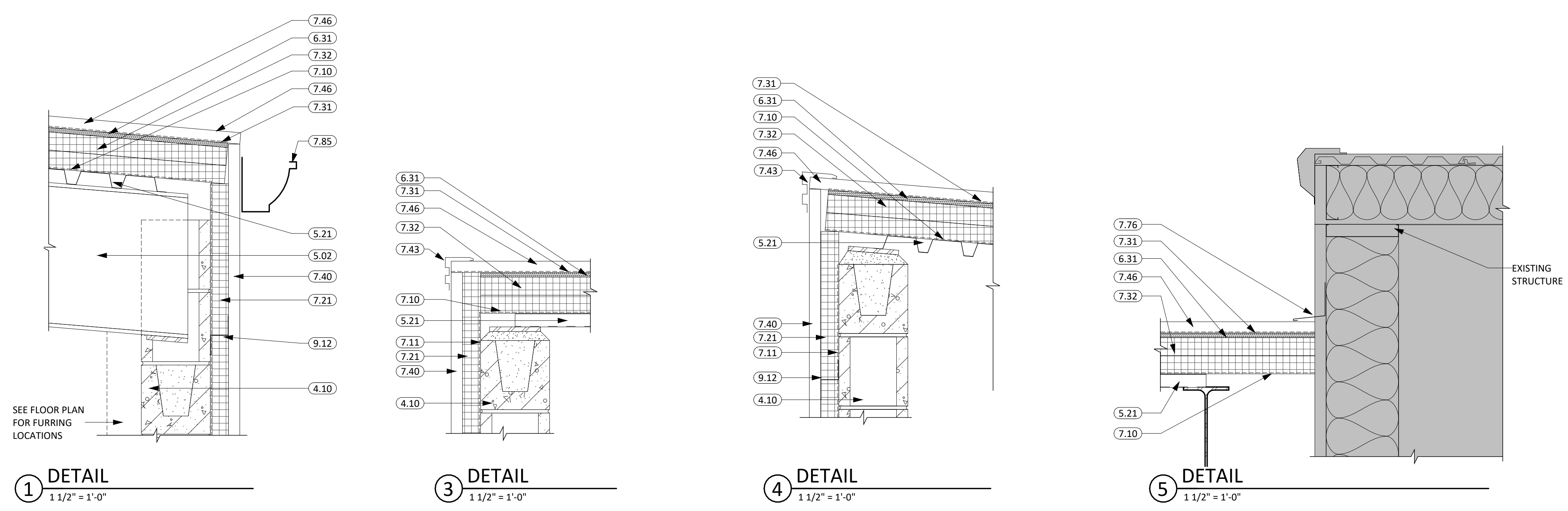


1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

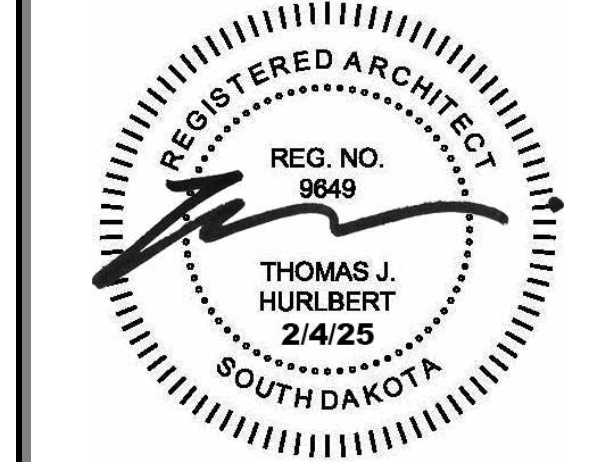
600 Kansas City St. 1
Rapid City, SD 57701
Phone: 605-716-3652

440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

co-oparch.com



CO-OP PROJECT NO: 2447



ISSUE:
2/4/2025 100% CONSTRUCTION DOCUMENTS

REVISION SCHEDULE:

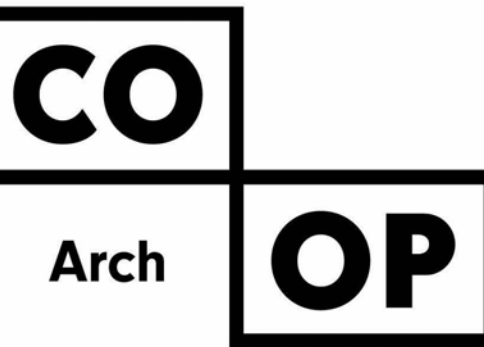
REV. #	REV. DSC.	REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
EXTERIOR DETAILS

A500

KEYNOTE SCHEDULE	
4.10	CONCRETE MASONRY UNIT
6.34	1/2" PLYWOOD
7.20	BATT INSULATION
8.02	FRAME (SEE SCHED.)
9.04	3 5/8" STEEL STUD & TRACK FRAMING
9.05	6" STEEL STUD & TRACK FRAMING
9.21	5/8" GYPSUM BOARD
9.22	5/8" HIGH IMPACT GYPSUM BOARD
9.41	ACOUSTICAL TILE CEILINGS SYSTEM (COORD. w/ MECH. & ELEC. FOR FIXTURE REQ./LOCATIONS)
9.46	WOOD SLAT ACOUSTICAL PANEL CEILING SYSTEM (COORD. w/ MECH. & ELEC. FOR FIXTURE REQ./LOCATIONS). BOB: USG TRUE WOOD GRILLES, VERTICAL SLAT.
23.10	DUCTWORK (SEE MECH.)
26.02	RECESS LIGHT FIXTURE (SEE ELEC.)

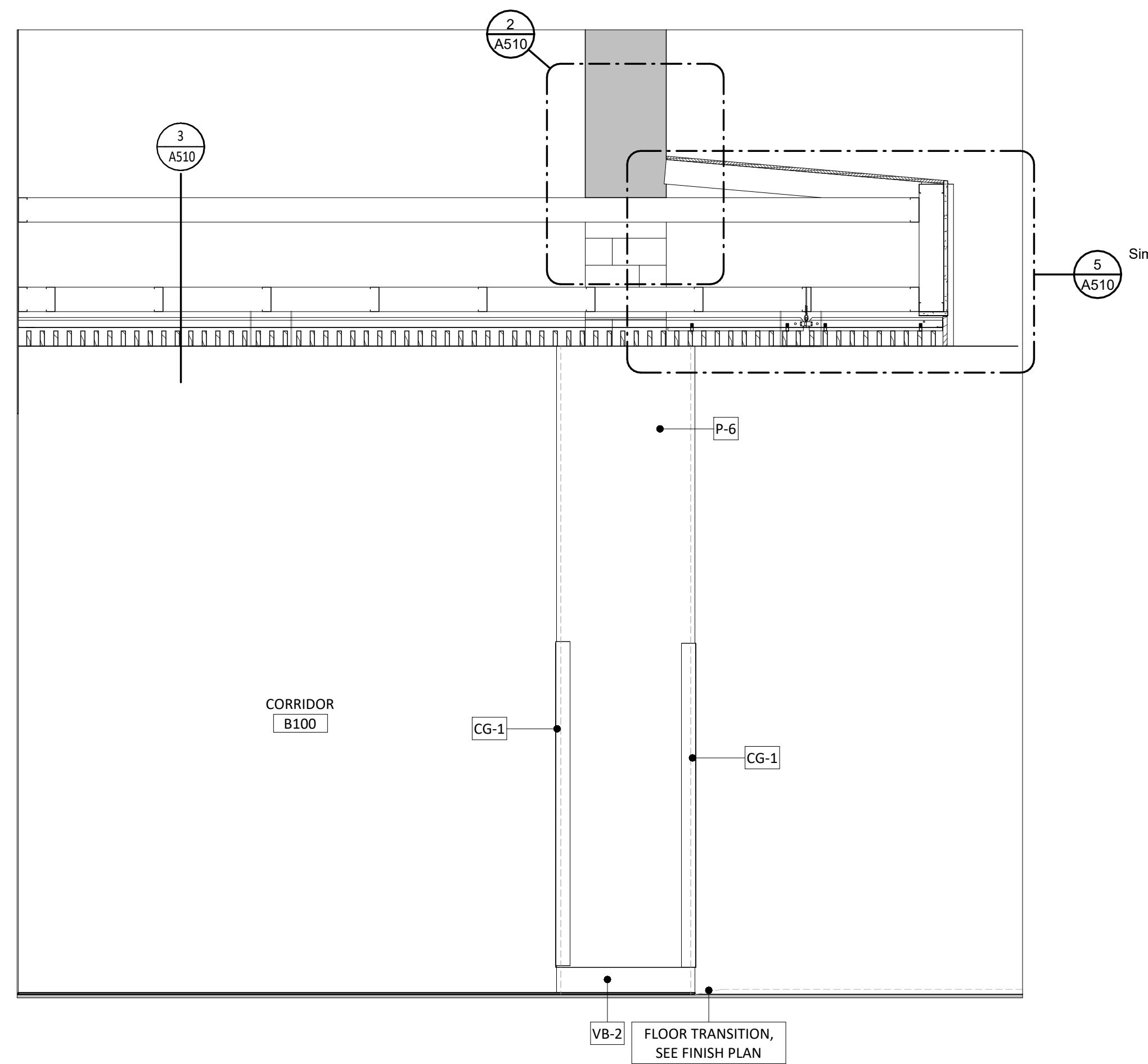


1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

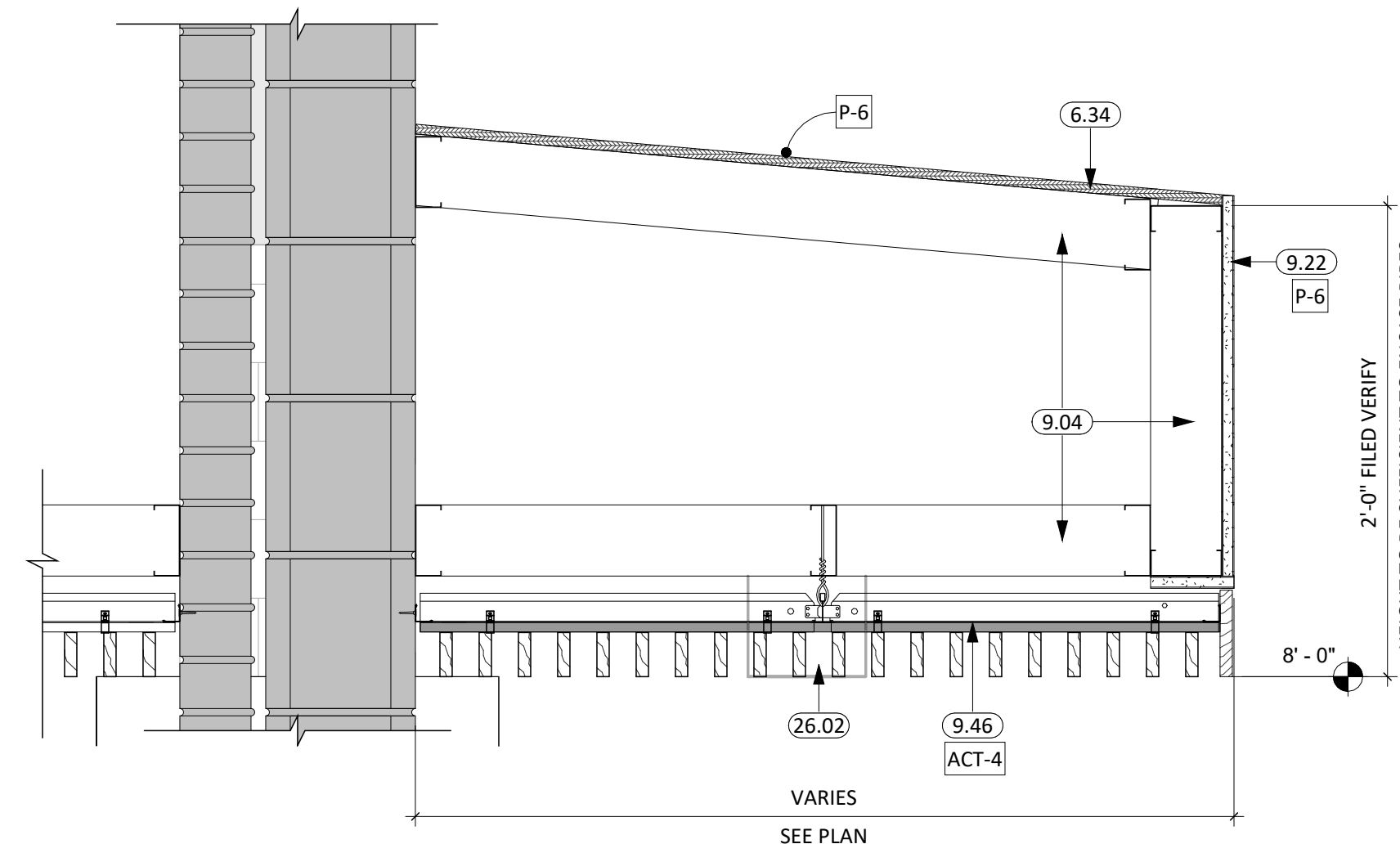
600 Kansas City St. 1
Rapid City, SD 57701
Phone: 605-716-3652

440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

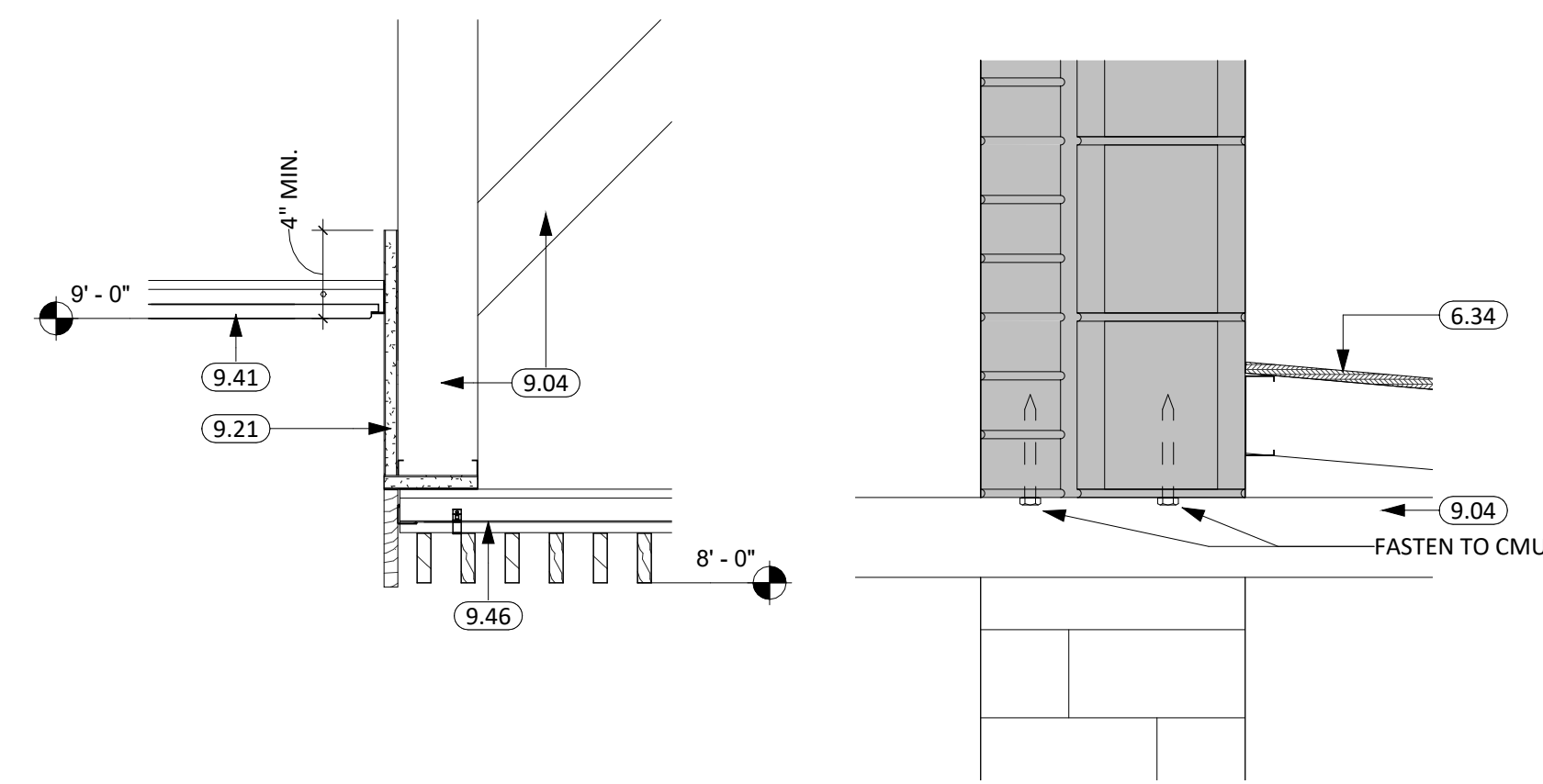
co-oparch.com



6 SECTION THRU SOFFIT
3/4" = 1'-0"

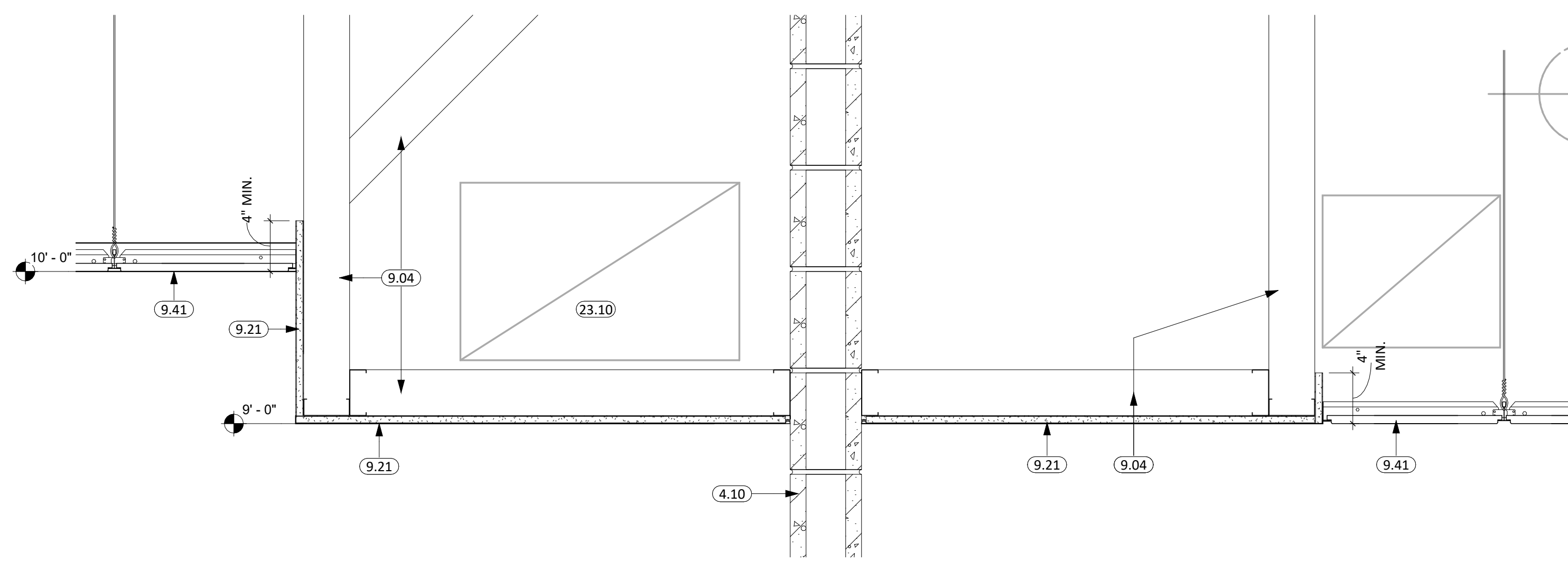


5 SOFFIT DETAIL
1 1/2" = 1'-0"

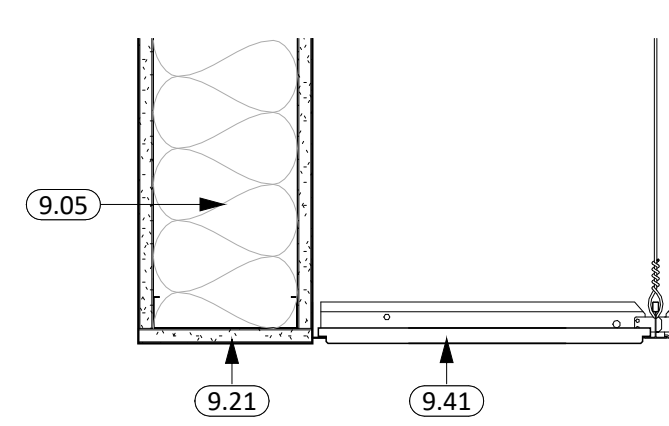


3 SOFFIT DETAIL
1 1/2" = 1'-0"

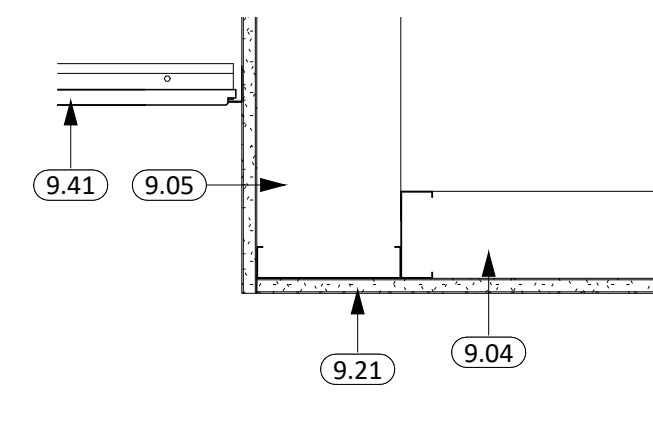
2 SOFFIT DETAIL
1 1/2" = 1'-0"



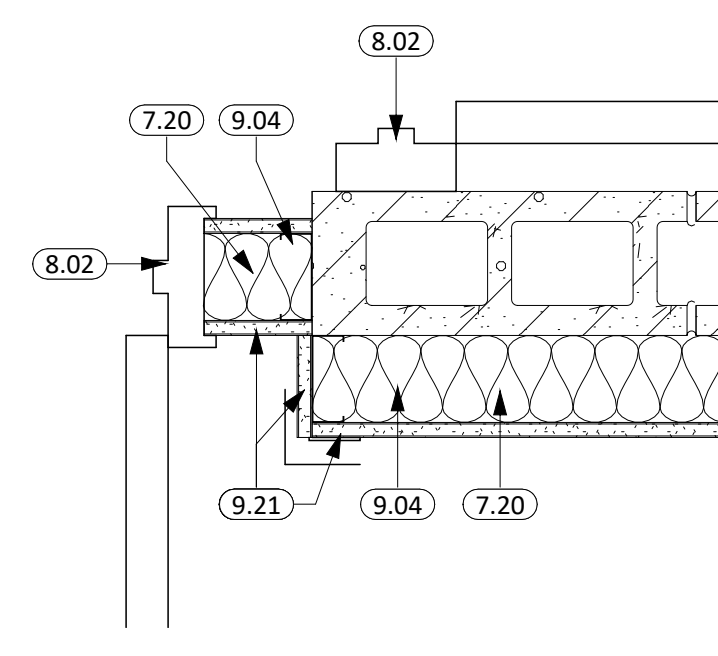
1 CEILING DETAIL
1 1/2" = 1'-0"



4 CEILING DETAIL
1 1/2" = 1'-0"

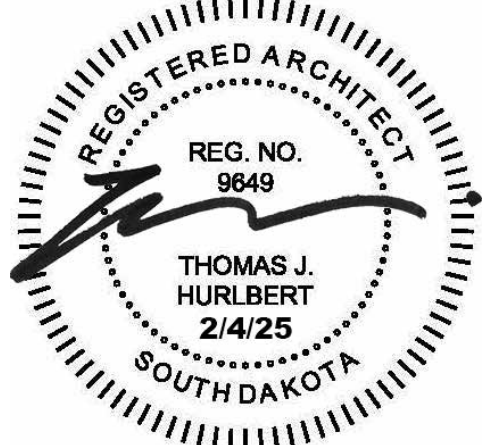


7 CEILING DETAIL
1 1/2" = 1'-0"



8 DETAIL
1 1/2" = 1'-0"

CO-OP PROJECT NO: 2447



ISSUE:
2/4/2025 100% CONSTRUCTION DOCUMENTS

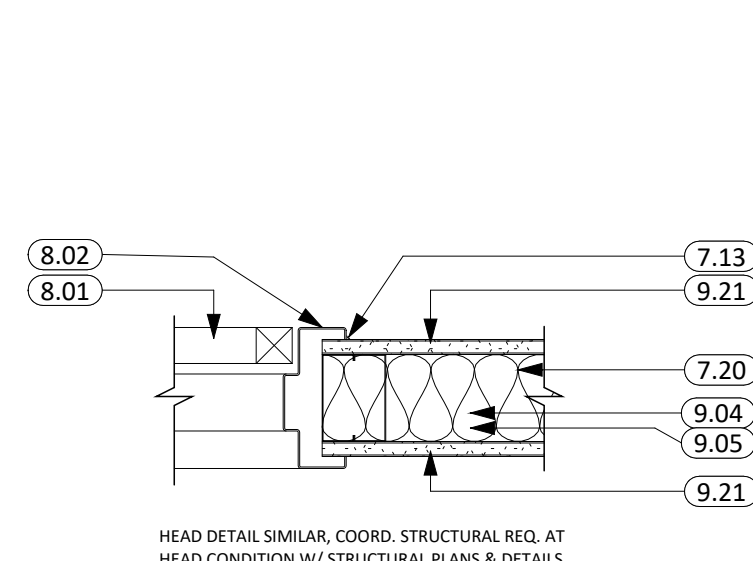
REVISION SCHEDULE:

REV. #	REV. DSC.	REV. DATE

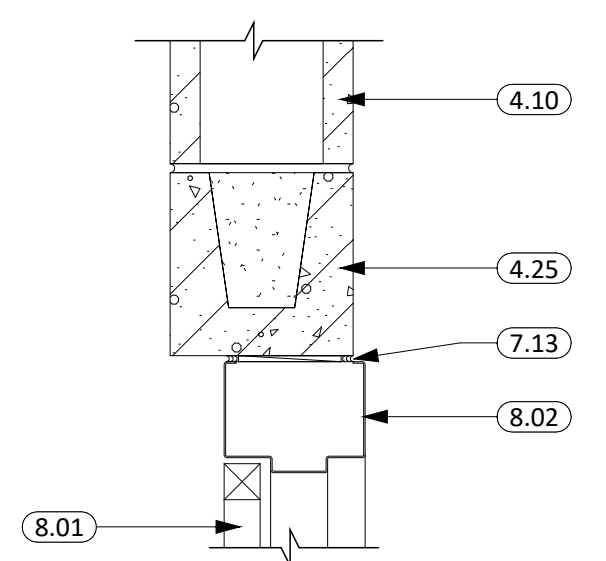
PROJECT:
FAULKTON SCHOOL RENOVATION
114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
INTERIOR DETAILS

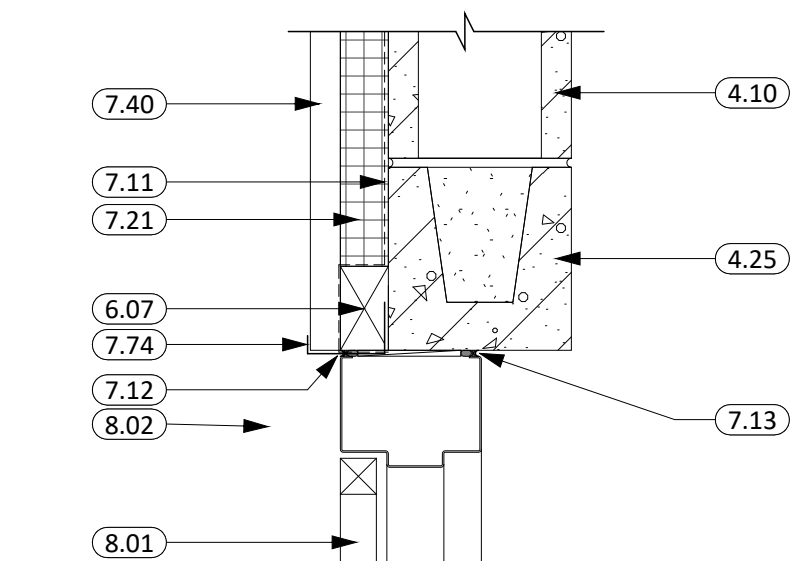
A510



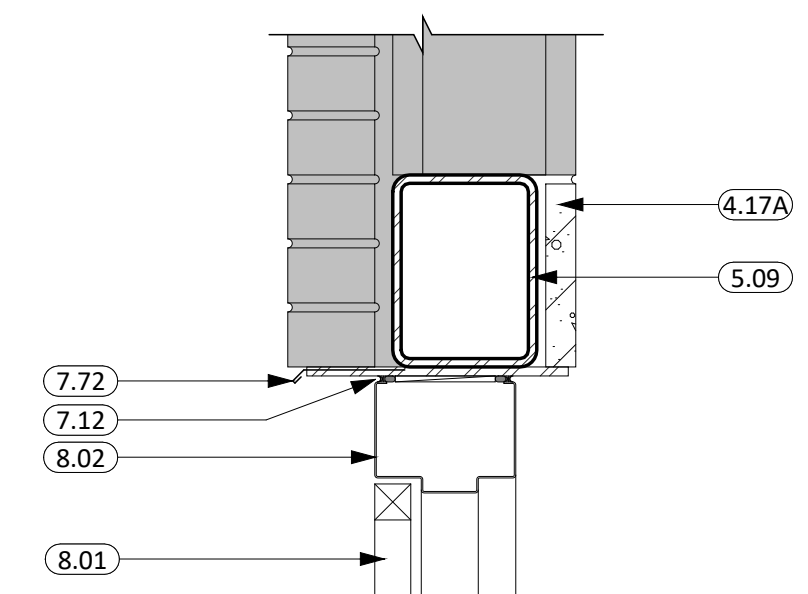
1 HEAD/JAMB DETAIL
1 1/2" = 1'-0"



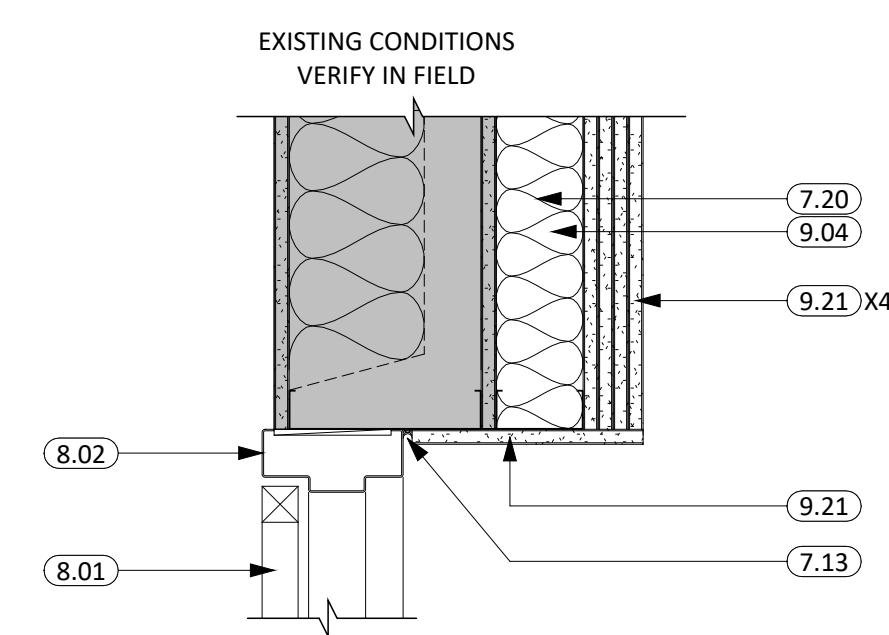
2 HEAD DETAIL
1 1/2" = 1'-0"



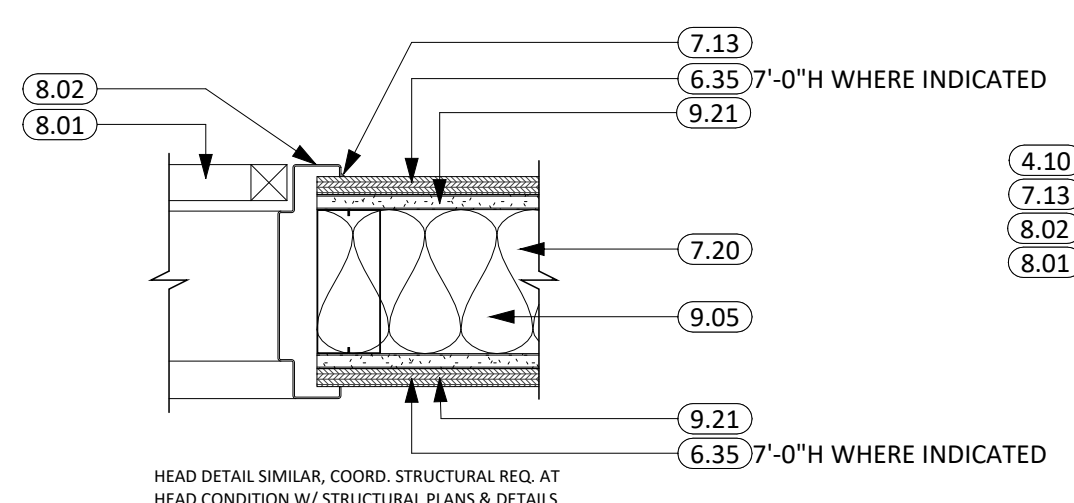
3 HEAD DETAIL
1 1/2" = 1'-0"



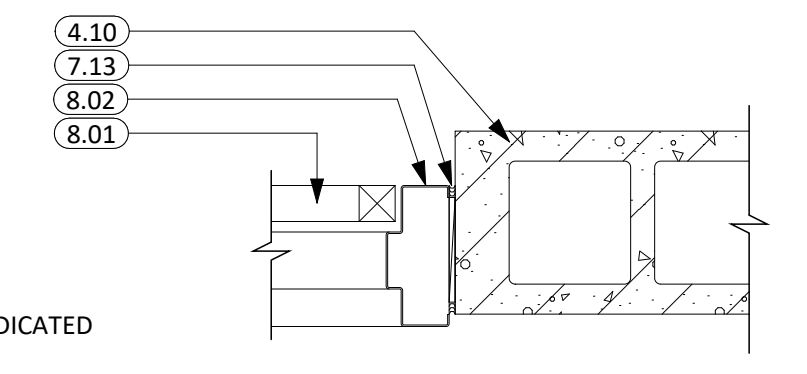
4 HEAD DETAIL
1 1/2" = 1'-0"



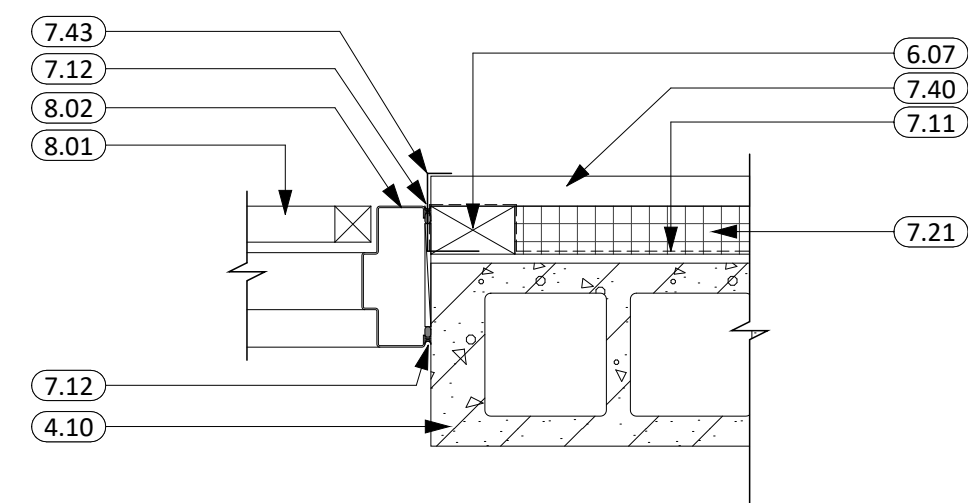
5 HEAD DETAIL (JAMB SIM)
1 1/2" = 1'-0"



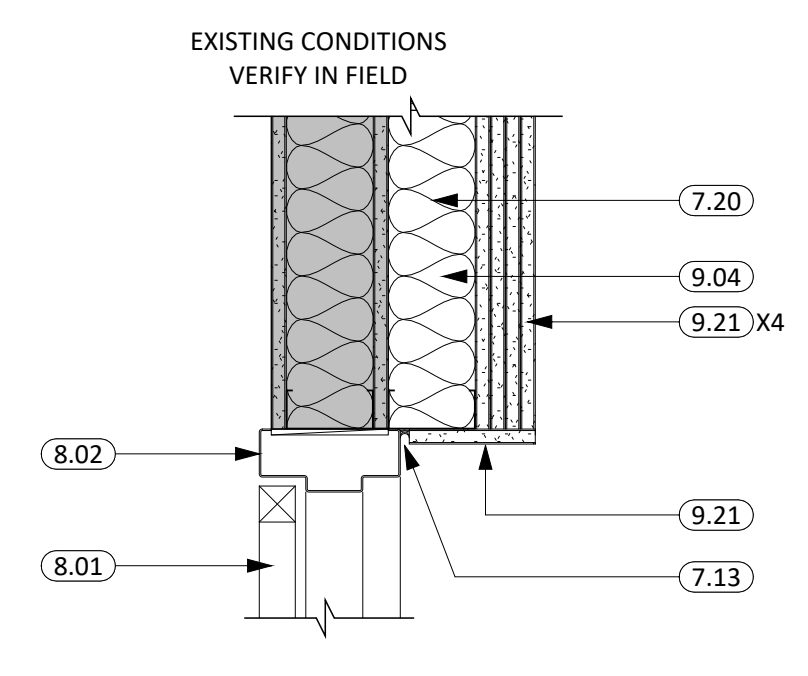
6 HEAD/JAMB DETAIL
1 1/2" = 1'-0"



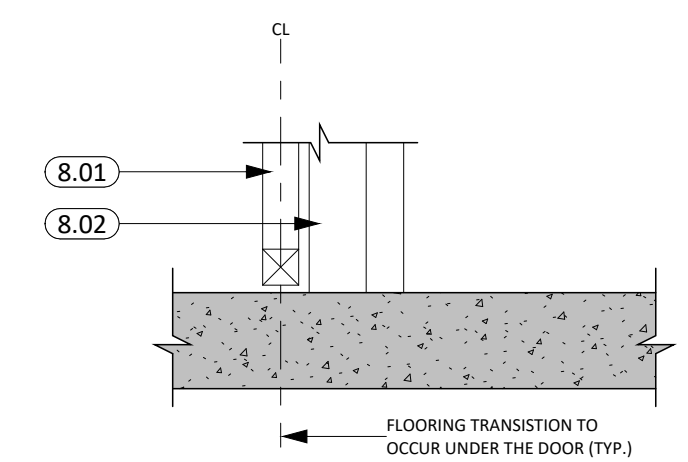
7 JAMB DETAIL
1 1/2" = 1'-0"



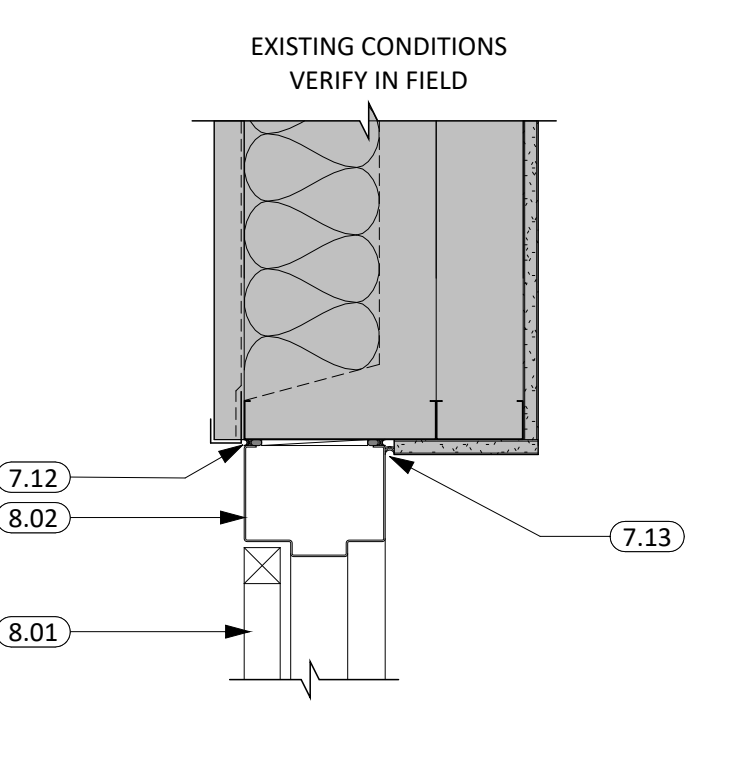
8 JAMB DETAIL
1 1/2" = 1'-0"



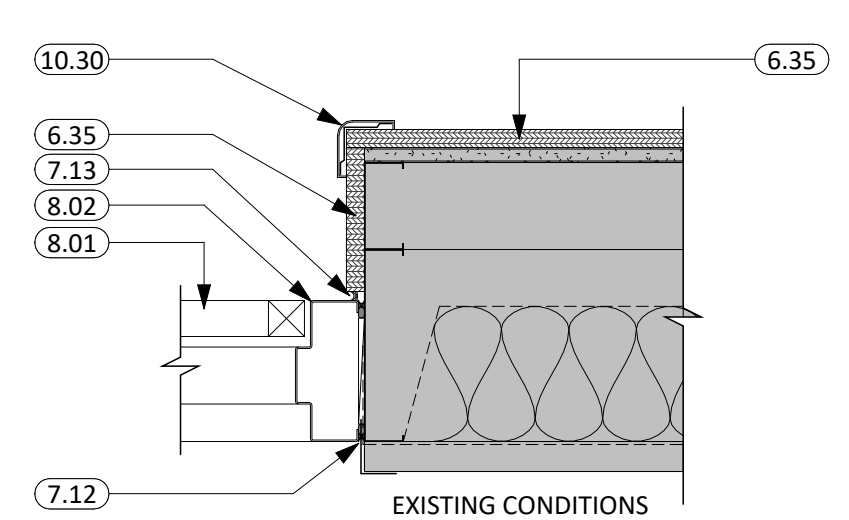
9 HEAD DETAIL (JAMB SIM)
1 1/2" = 1'-0"



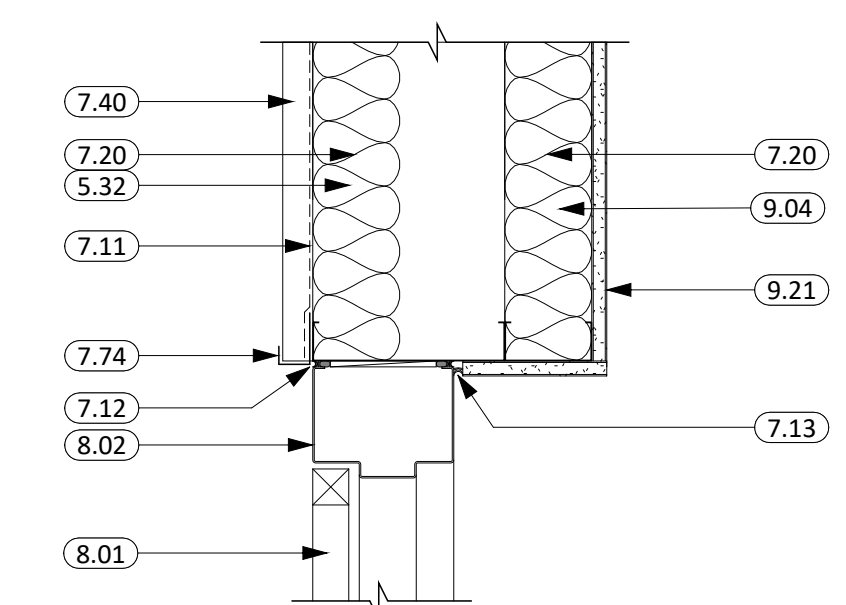
10 SILL DETAIL - TYP. INTERIOR
1 1/2" = 1'-0"



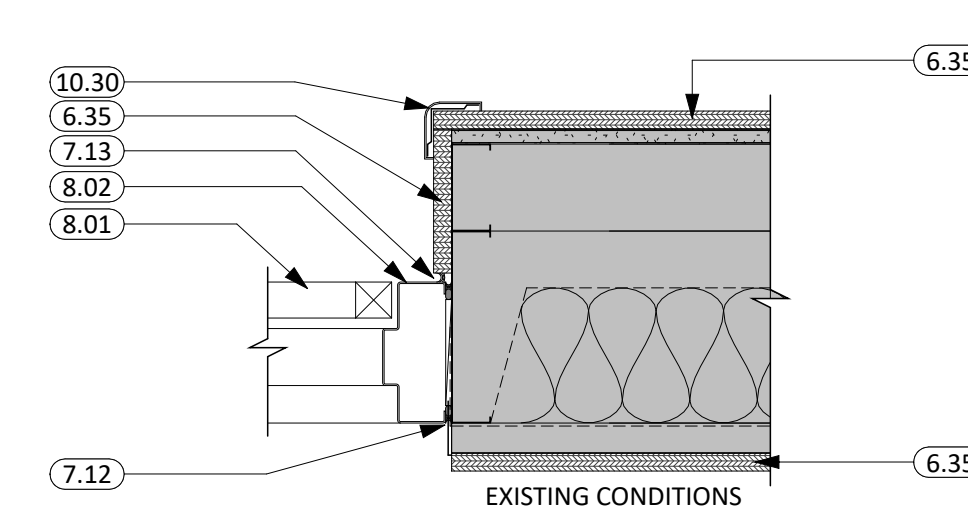
11 HEAD DETAIL
1 1/2" = 1'-0"



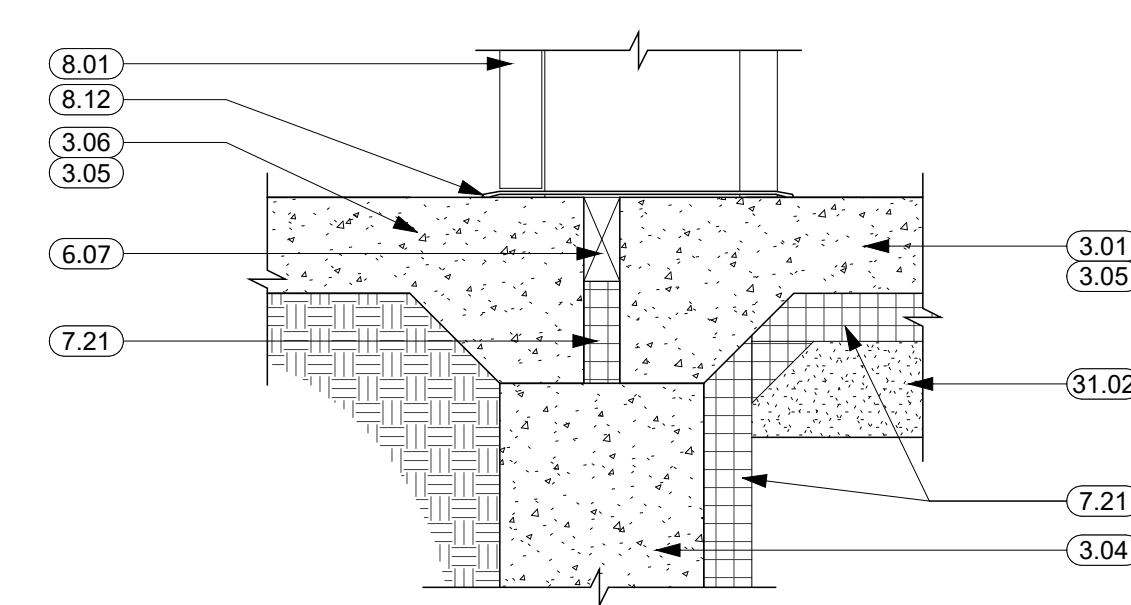
12 JAMB DETAIL
1 1/2" = 1'-0"



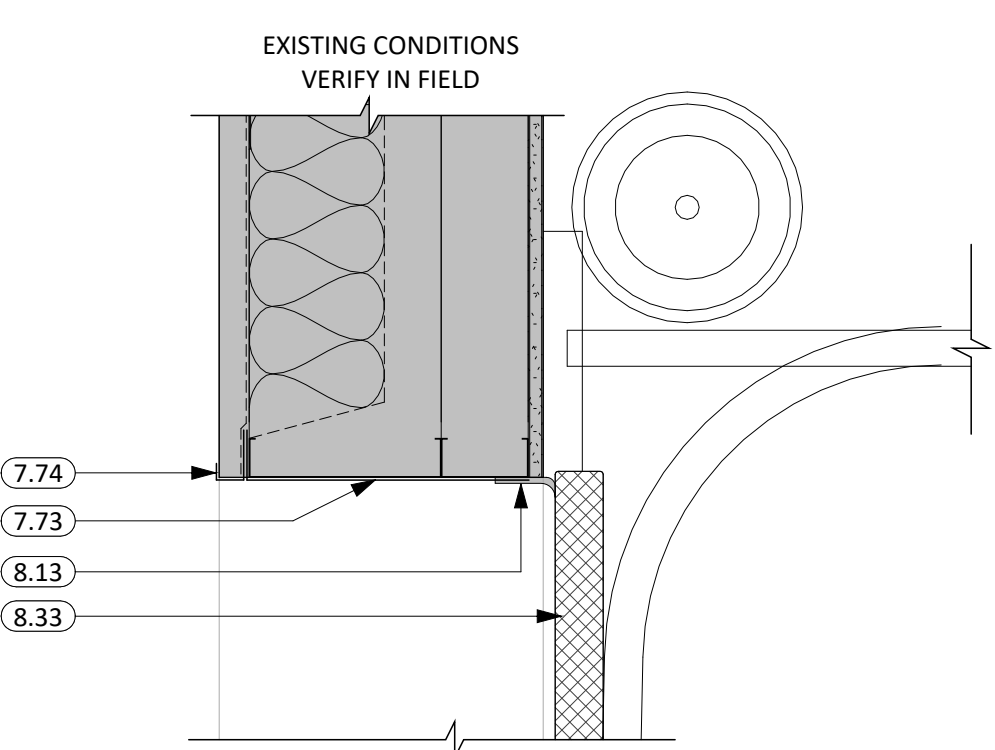
13 HEAD DETAIL
1 1/2" = 1'-0"



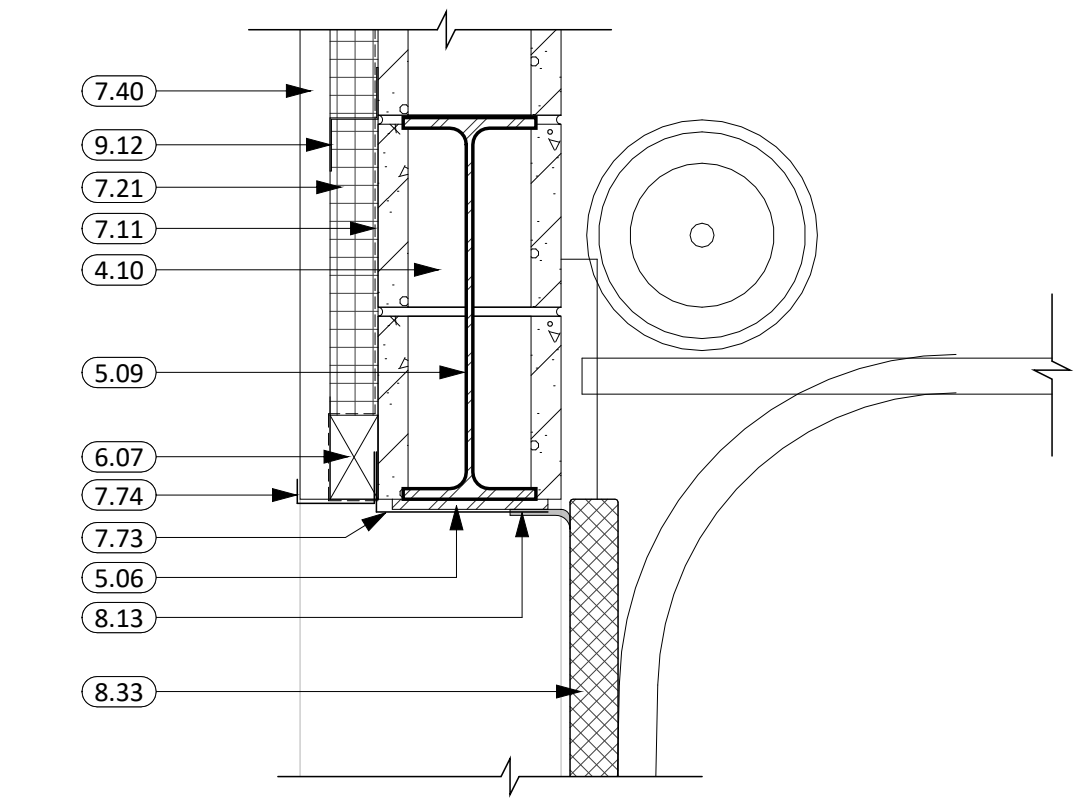
14 JAMB DETAIL
1 1/2" = 1'-0"



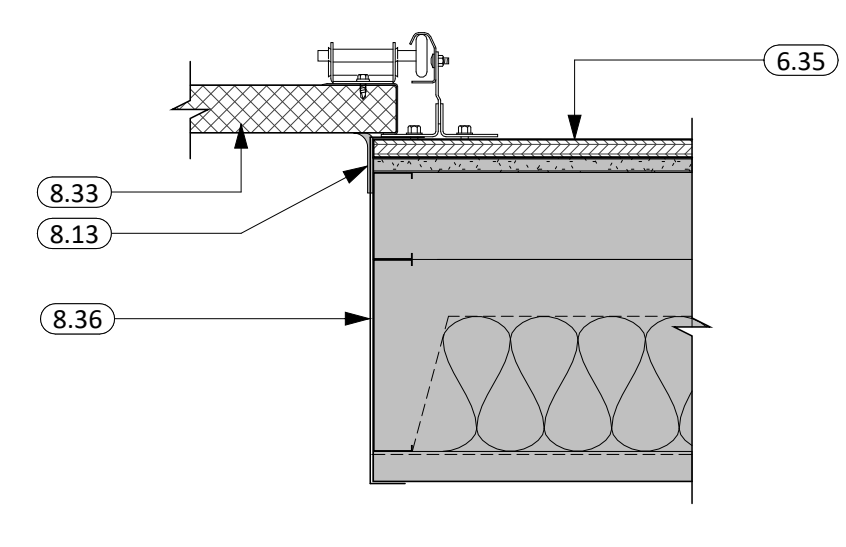
15 SILL DETAIL
1 1/2" = 1'-0"



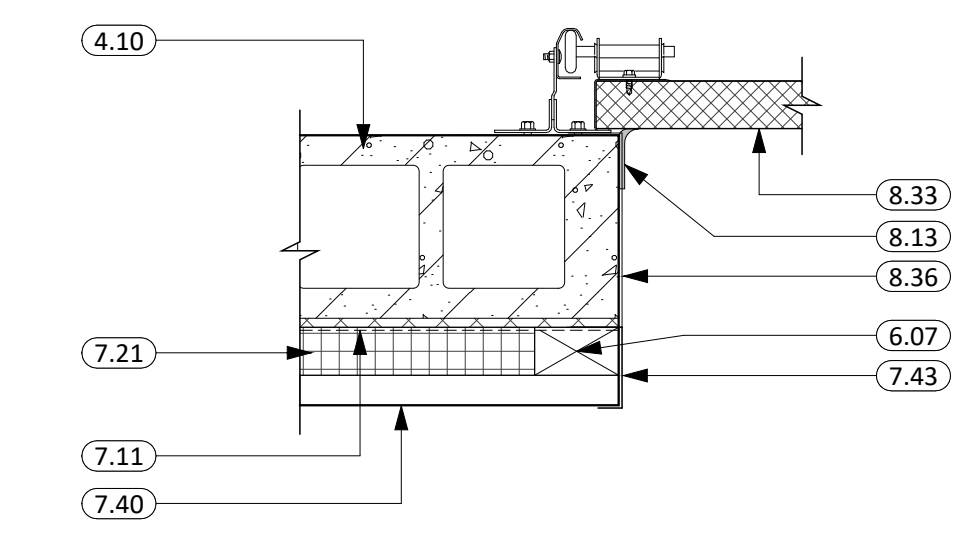
16 HEAD DETAIL
1 1/2" = 1'-0"



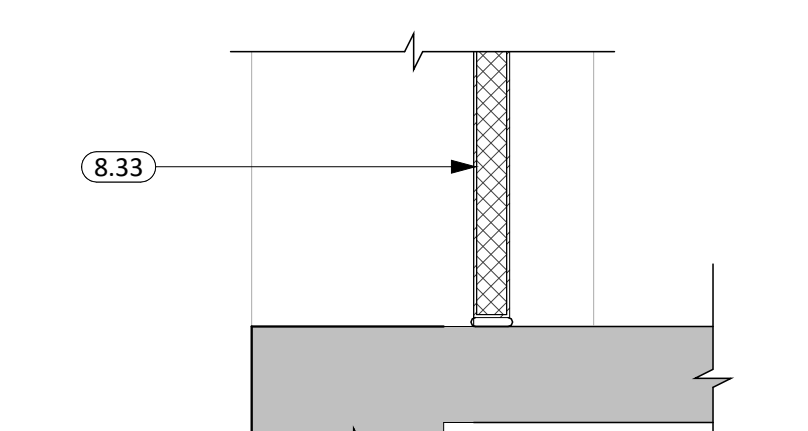
17 HEAD DETAIL
1 1/2" = 1'-0"



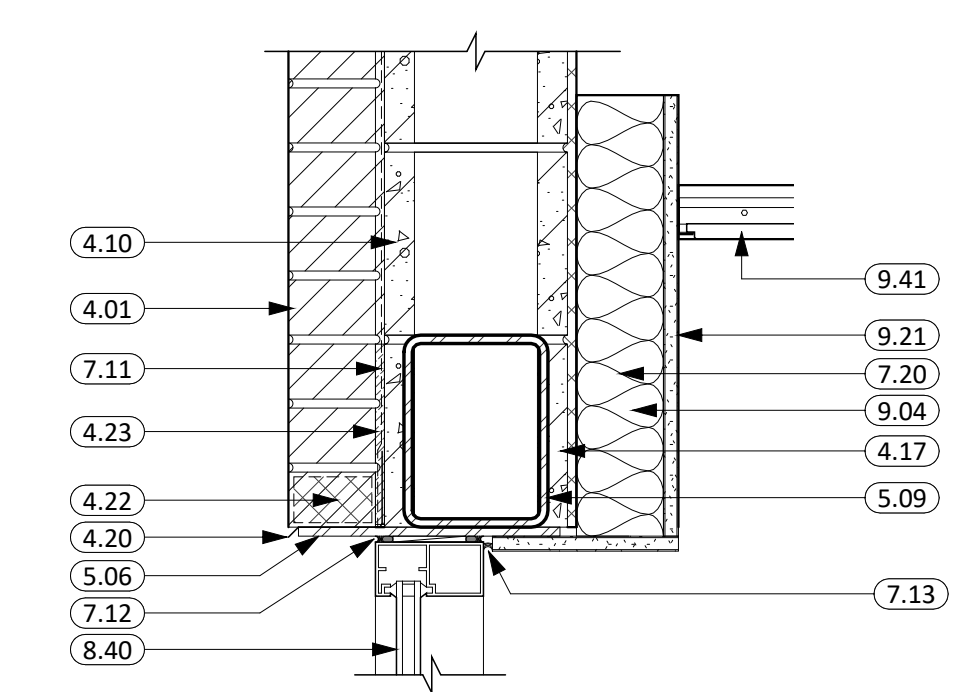
18 JAMB DETAIL
1 1/2" = 1'-0"



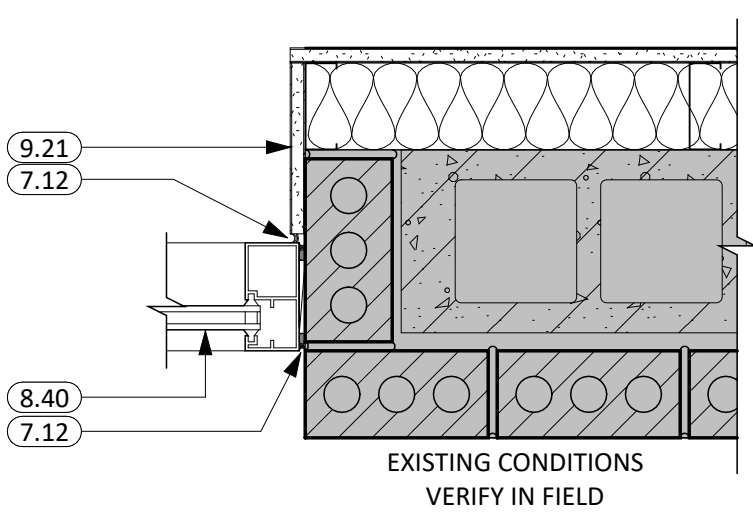
19 JAMB DETAIL
1 1/2" = 1'-0"



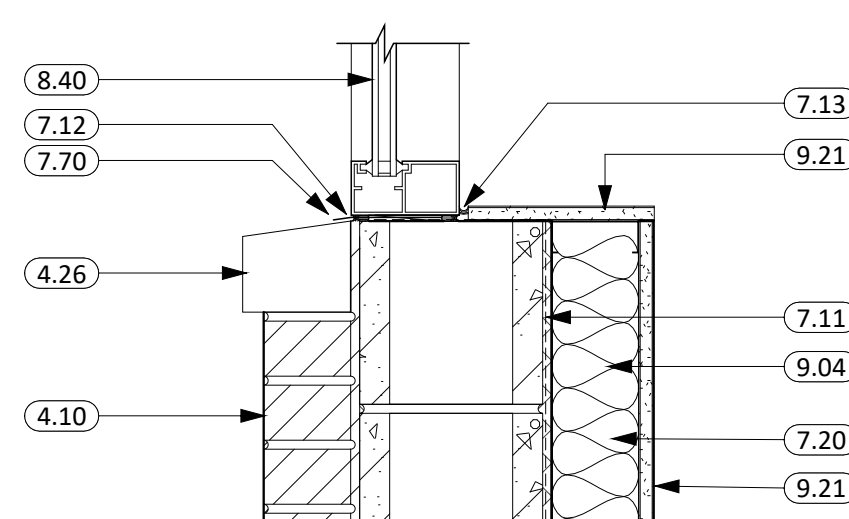
20 SILL DETAIL
1 1/2" = 1'-0"



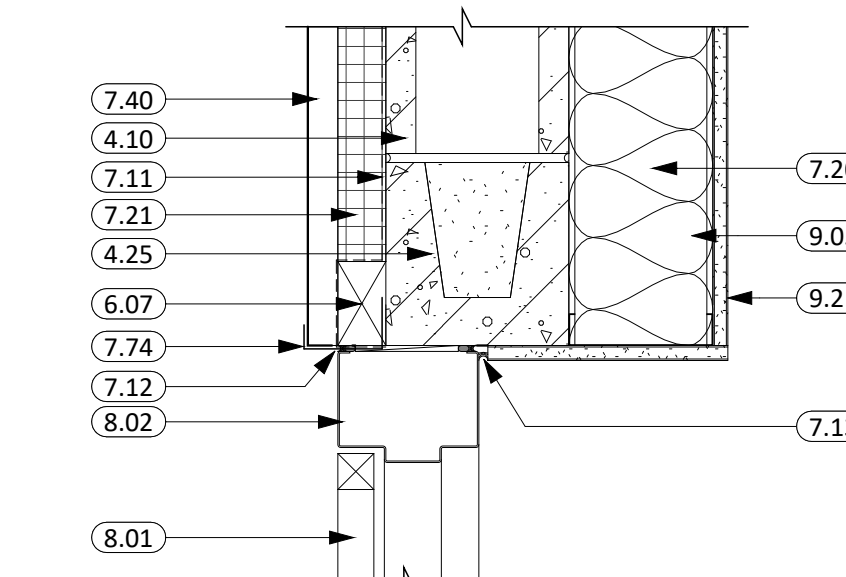
21 HEAD DETAIL
1 1/2" = 1'-0"



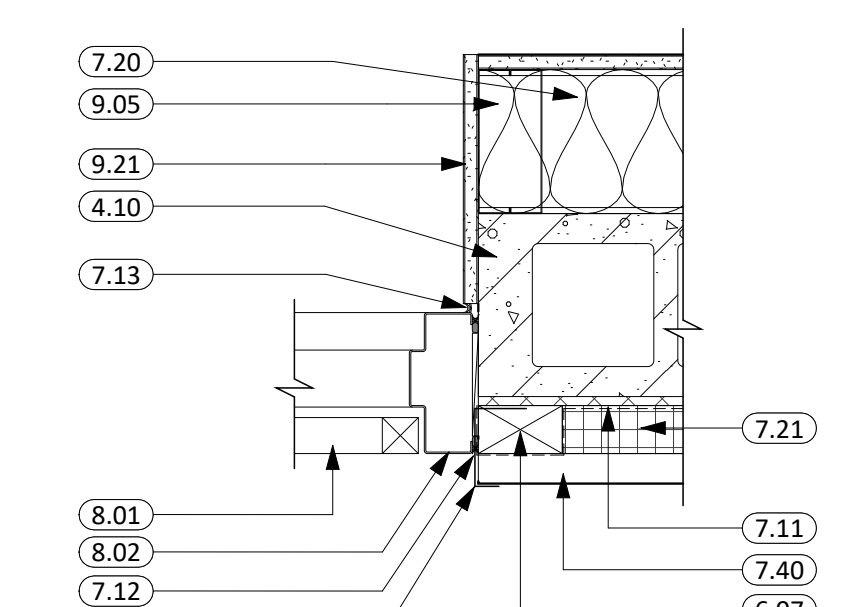
22 JAMB DETAIL
1 1/2" = 1'-0"



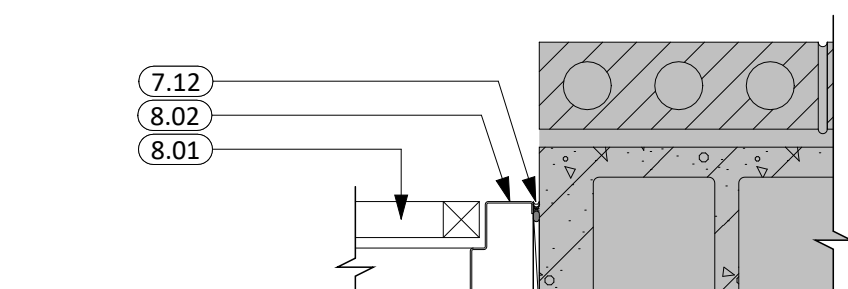
23 SILL DETAIL
1 1/2" = 1'-0"



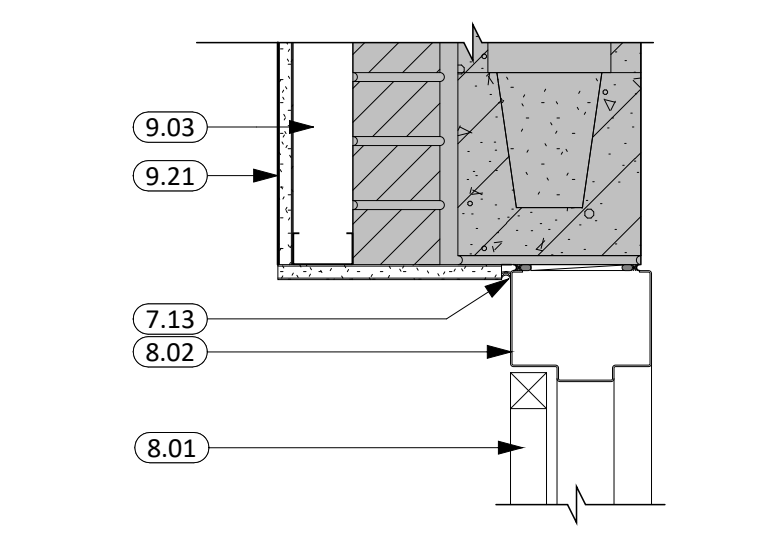
24 HEAD DETAIL
1 1/2" = 1'-0"



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



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



27 HEAD DETAIL
1 1/2" = 1'-0"

GENERAL NOTES	
1.	ALL HM FRAMES IN STUD PARTITIONS SHALL BE WRAPPED AROUND BOTH SIDES OF PARTITION UNLESS OTHERWISE NOTED. SEE FLOOR PLAN(S) FOR WALL THICKNESS.
2.	ALL EXTERIOR FRAMES & DOORS ARE TO BE THERMALLY BROKEN.
3.	CAULK ENTIRE PERIMETER OF H.M. FRAMES (BOTH SIDES).
4.	PAINT H.M. FRAMES PER FINISH LEGEND (P-4). FRAME TO BE PAINTED THE SAME ON BOTH SIDES. SEE FINISH LEGEND FOR PAINT SPECIFICATIONS.
5.	PROVIDE ROOM SIGNAGE AT ALL DOORS. WHERE MOUNTED TO GLAZING, PROVIDE A BLANK BACK PLATE ON OPPOSITE SIDE OF GLAZING. SEE CODE STANDARDS FOR MOUNTING HEIGHTS AND LOCATIONS. SEE SPECIFICATIONS FOR SPECIAL SIGNAGE REQUIREMENTS.
6.	REFER TO WALL TYPES FOR WALL CONSTRUCTION ELEMENTS FOR ALL DOOR AND WINDOW DETAILS. COORDINATE ALL STRUCTURAL REQ. WITH STRUCTURAL DRAWINGS.
7.	WALL MOUNTED EXIT SIGNS AND FIXTURES ARE TO BE CENTERED OVER DOOR OR DOOR OPENING WHERE APPLICABLE.

KEYNOTE SCHEDULE	
3.01	CONC. FLOOR SLAB ON GRADE (SEE STRUCT. FOR THICKNESS AND REINF.) w/ 15 MIL. VAPOR BARRIER BELOW
3.04	CONT. CONC. FOUNDATION WALL (SEE STRUCTURAL PLANS)
3.05	CONC. FLOOR SLAB ON METAL DECK (SEE STRUCT.)
3.06	CONCRETE STOOP w/FROST FREE FOOTING (SEE STRUCTURAL PLANS)
4.01	BRICK VENEER (COLOR TO MATCH EXISTING, COORDINATE WITH ARCHITECT)
4.10	CONCRETE MASONRY UNIT
4.17	CMU SOAP BLOCK 5x5-5/8"
4.20	THRU-WALL FLASHING
4.22	WEEP VENTS
4.23	MORTAR NET
4.25	MASONRY LINTEL (SEE STRUCTURAL)
4.26	PRECAST MASONRY SILL PROFILE, MATCH EXISTING
5.06	STRUCTURAL STEEL PLATE - PAINT EXPOSED STEEL (SEE STRUCT.)
5.09	STRUCTURAL STEEL LINTEL - PAINT EXPOSED STEEL (SEE STRUCT.)
5.32	8" STRUCTURAL STEEL STUD & TRACK FRAMING (SEE ARCH. & STRUCT.)
6.07	2x WOOD BLOCKING
6.35	3/4" PLYWOOD
7.11	AIR & MOISTURE WEATHER BARRIER
7.12	SEALANT (PROVIDE BACKER ROD WHERE REQ.)
7.13	SEALANT AROUND PERIMETER (TYP. BOTH SIDES)
7.20	BATT INSULATION
7.21	RIGID INSULATION (2" POLYISO - U.O.N.)
7.40	METAL WALL PANELS MP-1 (MATCH EXISTING PROFILE AND COLOR) (PROVIDE ALL REQ. TRIM & FLASHING)
7.43	METAL PANEL CLOSURE (RAKE TRIM OR SIMILAR, MATCH EXISTING/ADJACENT STRUCTURE)
7.70	PRE-FINISHED SHEET METAL FLASHING
7.72	PRE-FINISHED METAL DRIP EDGE
7.73	BREAK METAL FLASHING TO MATCH EXISTING
7.74	J-CHANNEL TRIM TO MATCH METAL PANEL
8.01	DOOR (SEE SCHED.)
8.02	FRAME (SEE SCHED.)
8.12	THRESHOLD
8.13	WEATHERSTRIPPING
8.33	OVERHEAD SECTIONAL GARAGE DOOR - INSULATED & MOTORIZED
8.36	PRE-FINISHED METAL TRIM - BY DOOR MFR.
8.40	ALUMINUM FRAMED ENTRANCE/STOREFRONT
9.03	2 1/2" STEEL STUD & TRACK FRAMING
9.04	3 5/8" STEEL STUD & TRACK FRAMING
9.05	6" STEEL STUD & TRACK FRAMING
9.12	Z-FURRING CHANNEL
9.21	5/8" GYPSUM BOARD
9.41	ACOUSTICAL TILE CEILING SYSTEM (COORD. W/ MECH. & ELEC. FOR FIXTURE REQ./LOCATIONS)
10.30	CORNER GUARDS
31.02	DRAINAGE FILL (COORD. REQ. W/ SOILS REPORT)

CO Arch OP

1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

600 Kansas City St. 1
Rapid City, SD 57701
Phone: 605-716-3652

440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

co-oparch.com

CO-OP PROJECT NO: 2447

REGISTERED ARCHITECT
REG. NO. 9849
THOMAS J. HURLBERT
2/4/25
SOUTH DAKOTA

ISSUE: 2/4/2025 100% CONSTRUCTION DOCUMENTS

REVISION SCHEDULE:	REV. #	REV. DSC.	REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
DOOR & FRAME DETAILS

FOOTING SCHEDULE					
MARK	SIZE	DEPTH	REINFORCING		REMARKS
			TRANS	LONG	
FC2.0	2'-0"	1'-0"	#4 @ 48"	2-#5	
FC3.0	3'-0"	1'-0"	#4 @ 48"	3-#5	
FB2X1.0	2'-0"X1'-0"	2'-0"	1-#5	5-#5	T&B

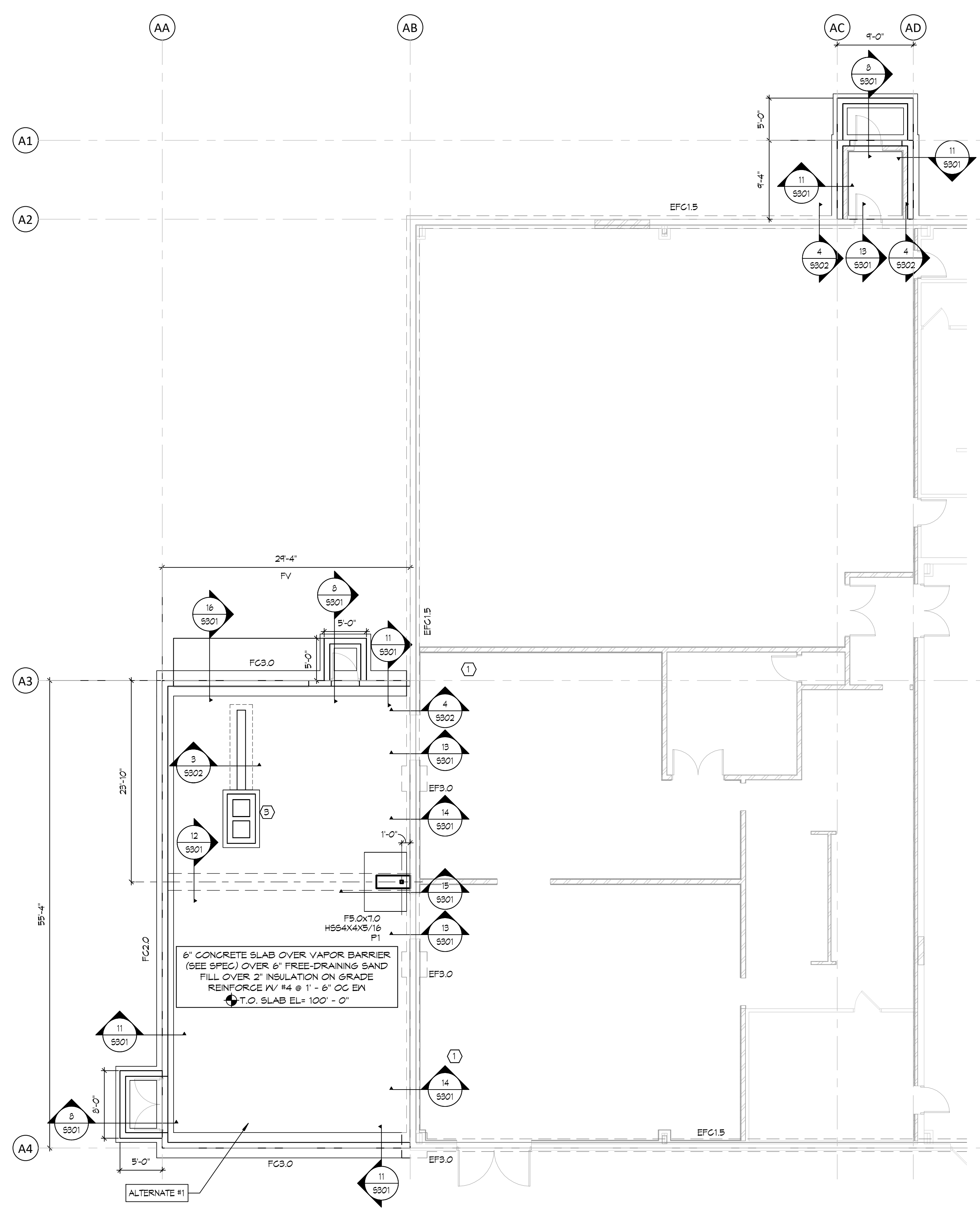
PIER SCHEDULE					
MARK	"B"	"N"	REINFORCING		REMARKS
			VERT REIN/DVL	TIES	
P1	1'-6"	4'-0"	20-#6 VERT	#4 @ 12" OC	98'-0"

MASONRY LINTEL SCHEDULE					
MARK	LINTEL DEPTH	REINFORCING		JAMB	REMARKS
		TOP	BOTTOM		
L1	16"	2-#5	2-#5	1-#5 IN END 2 CELLS	SD - /---
L2	24"	2-#5	2-#5	2-#5 IN END 2 CELLS	SD - /---
L3	32"	2-#5	2-#5	2-#5 IN END 2 CELLS	SD - /---
L4	M16X31	STEEL BEAM		2-#5 IN END 4 CELLS	SD 11/5403

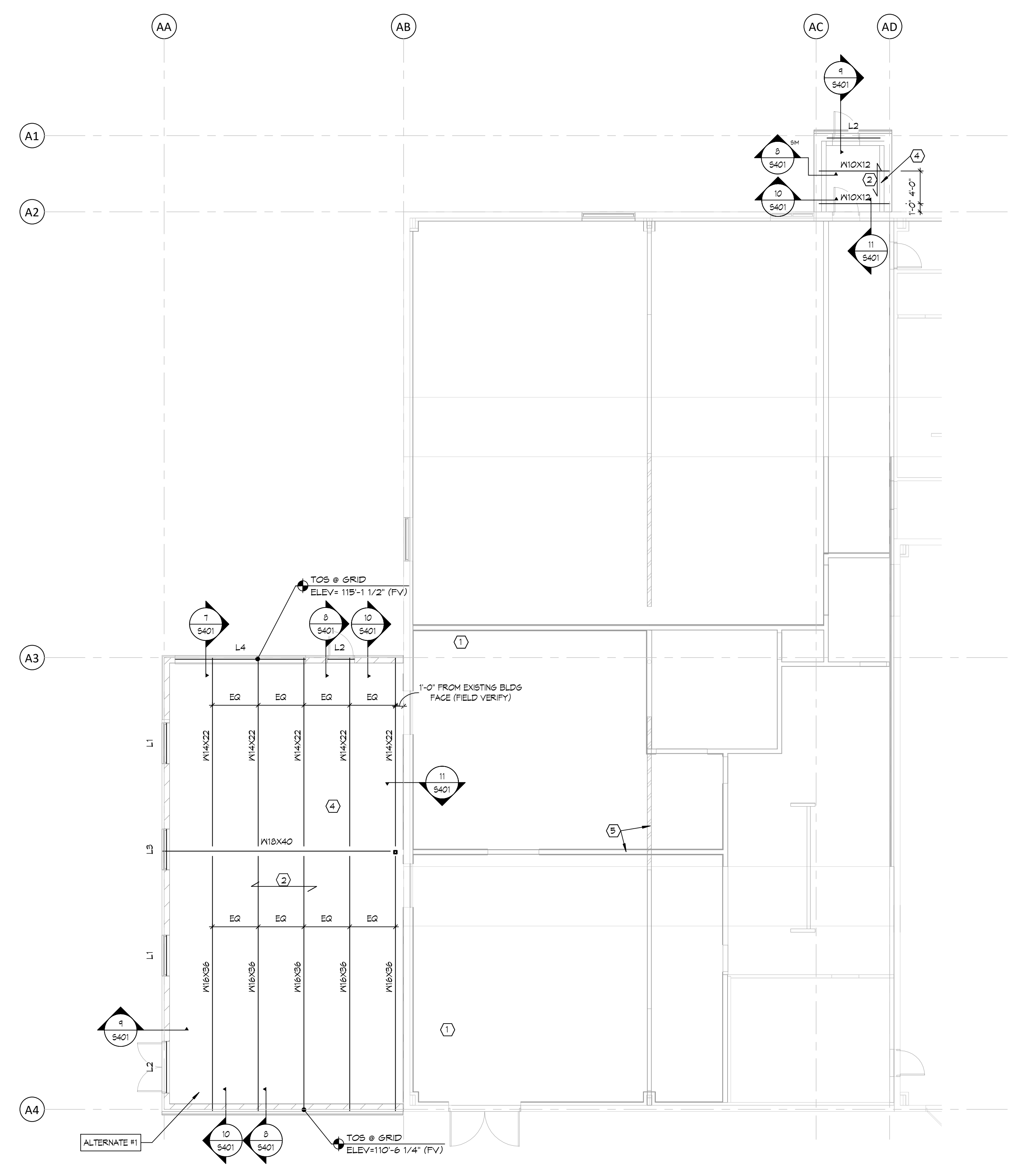
- FOUNDATION NOTES:**
1. VERIFY ALL DIMENSIONS W/ ARCHITECTURAL PLANS. DO NOT SCALE DRAWINGS.
 2. SEE SHEET S001 FOR GENERAL STRUCTURAL NOTES.
 3. (S) = STEPPED FOOTING SD
 4. COORDINATE LOCATIONS OF MECHANICAL & ELECTRICAL PENETRATIONS THROUGH ALL FOUNDATION SLABS.
 5. ALL STOOPS SHALL BE CENTERED ON DOOR OPENINGS (UCN). VERIFY DOOR OPENING LOCATIONS & DIMENSIONS W/ ARCHITECTURAL PLANS.
 6. FX OR FC - FOOTING MARK. SEE FOOTING SCHEDULE THIS SHEET.
 7. VERIFY SLOPE, GRADE, ELEVATION & EXTERIOR CONC W/ CIVIL PLANS.
 8. GEOTECHNICAL ENGINEER APPROVED ENGINEERED FILL IS REQUIRED BEFORE ANY POURING OF CONCRETE. (SEE FOUNDATION NOTES).
 9. ALL EXTERIOR MASONRY WALLS ARE 8" CMU W/ #5 @ 2'-0" OC, UNO.

- FRAMING NOTES:**
1. SEE SHEET S001 FOR GENERAL STRUCTURAL NOTES.
 2. VERIFY ALL DIMENSIONS W/ ARCHITECTURAL DRAWINGS, WHICH SHALL BE GOVERNING.
 3. VERIFY SIZE AND LOCATION OF ALL MEP PENETRATIONS WITH MECHANICAL DRAWINGS. PROVIDE ADDITIONAL FRAMING AND REINFORCING PER TYPICAL DETAILS.
 4. VERIFY EXACT SIZE AND WEIGHT OF ROOF TOP EQUIPMENT WITH MECHANICAL CONTRACTOR.
 5. GC TO FIELD VERIFY ALL EXISTING INFORMATION SHOWN AND NOTIFY EOR OF ANY DISCREPANCIES.

- KEY NOTES:**
- (1) EXISTING BUILDING
 - (2) 1 1/2" 20 GAGE TYPE B ROOF DECK ATTACH PER DETAIL 2/5401
 - (3) OIL/SAND INTERCEPTOR PIT VERIFY W/ MEP FOR LOCATION/ELEVATION, SD 1/5302
 - (4) NEW ROOF TO MATCH SLOPE OF EXISTING ROOF. GC TO FIELD VERIFY EXISTING ROOF DIMENSIONS AND COORDINATE TOS ELEVATION WITH ROOF DECK AND INSULATION
 - (5) NON BEARING STEEL STUD WALL. BRACE TOP OF WALLS PER DETAILS 1/5402 & 2/5402, TYP.

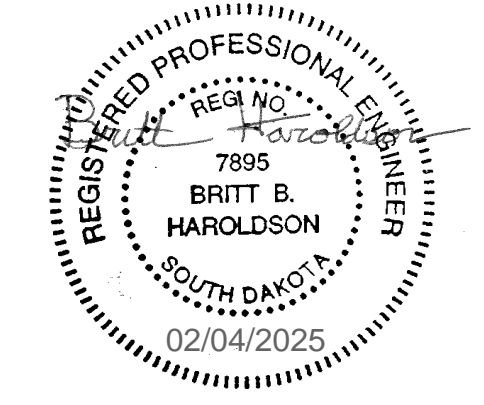


1 FOOTING & FOUNDATION PLAN - AREA A
S101A 1/8" = 1'-0"
T.O.F. ELEV = 96'-0" (UCN)



2 ROOF FRAMING PLAN - AREA A
S101A 1/8" = 1'-0"

CO-OP PROJECT NO: 2351



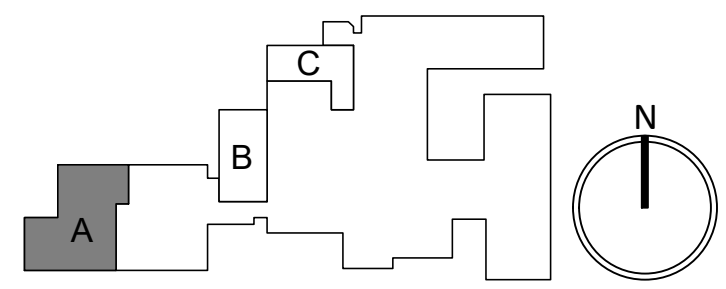
ISSUE:
02/04/2025 100% CONSTRUCTION DOCUMENTS

REVISION SCHEDULE:		
REV. #	REV. DSC.	REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
FOOTING & FOUNDATION/
ROOF FRAMING PLANS - AREA A

S101A

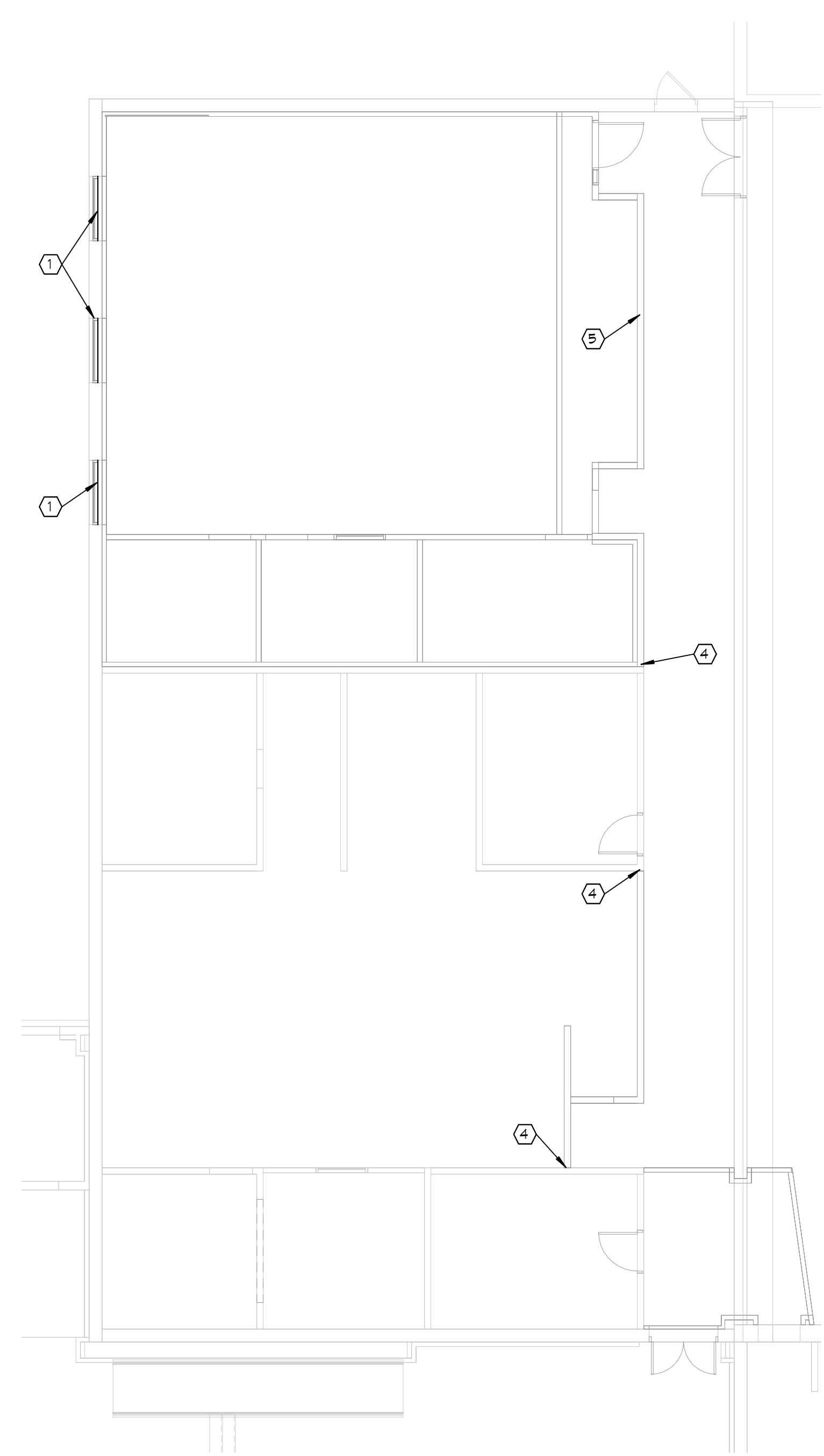


FRAMING NOTES:

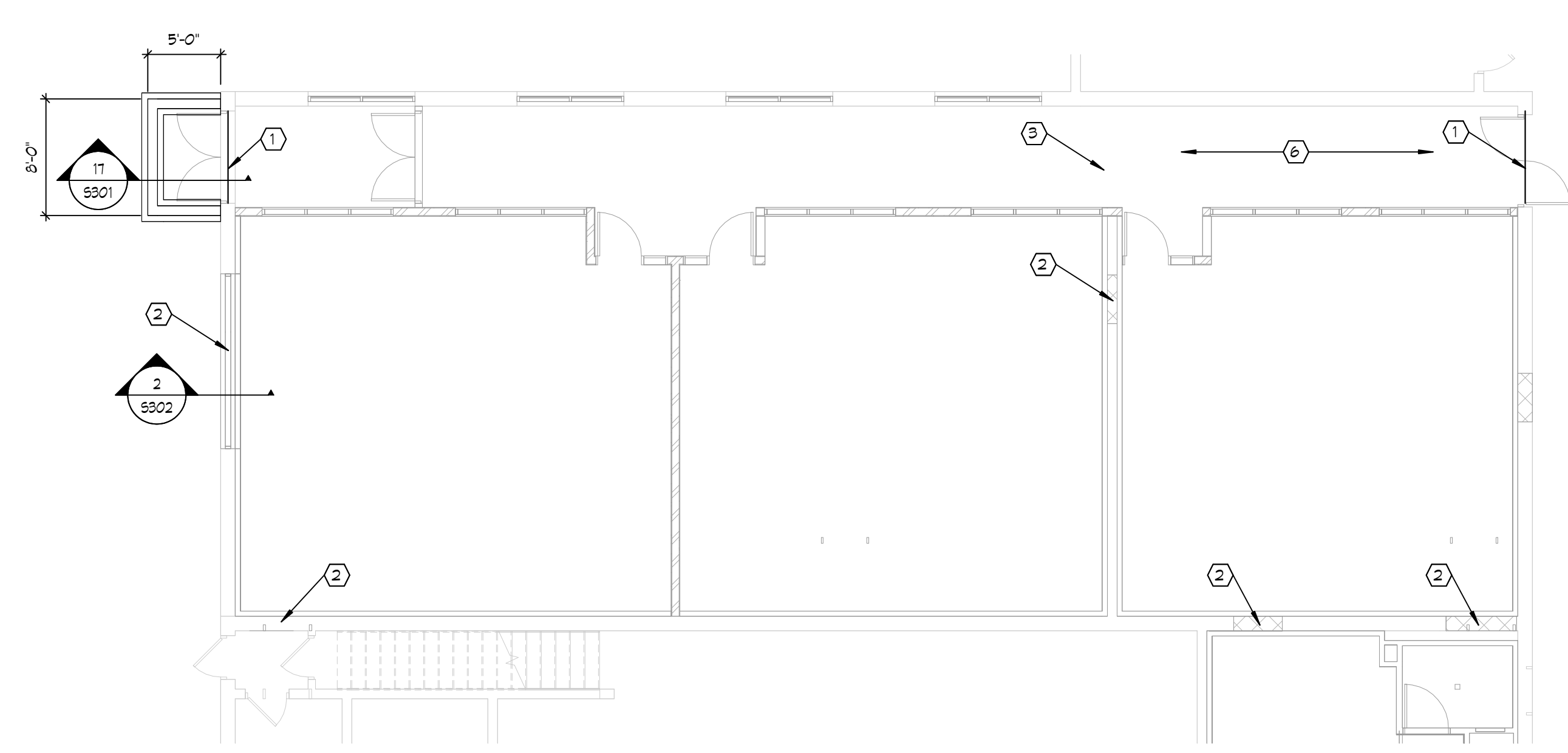
1. SEE SHEET S201 FOR GENERAL STRUCTURAL NOTES.
2. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS, WHICH SHALL BE GOVERNING.
3. GC TO FIELD VERIFY ALL EXISTING INFORMATION SHOWN AND NOTIFY EOR OF ANY DISCREPANCIES.
4. GC IS RESPONSIBLE TO SHORE EXISTING STRUCTURE AS REQUIRED. AT NEW OPENINGS, SHORE EXISTING MASONRY WALL AND BRICK VENEER AS NEEDED TO INSTALL NEW LINTELS.

KEY NOTES:

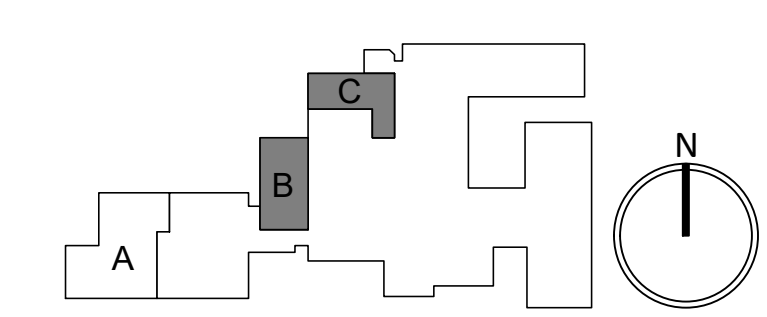
- ① NEW MASONRY OPENING, PROVIDE LINTEL PER DETAIL 8 / S403
- ② INFILL EXISTING MASONRY PER DETAIL 1 / S401. AFTER EXTERIOR CONCRETE IS REMOVED GC TO INVESTIGATE IF FOUNDATION EXISTS FOR BRICK SUPPORT AND PROVIDE LEDGE PER DETAIL 2 / S302 IF FOUNDATION DOES NOT EXIST.
- ③ REMOVE EXISTING MASONRY WALL FULL HEIGHT. GC TO VERIFY WALL IS NON-LOAD BEARING AND NOT CONNECTED TO STRUCTURE ABOVE PRIOR TO REMOVAL.
- ④ DRILL AND EPOXY 4x30" INTO EXISTING WALL WITH 4" EMBEDMENT AT 48" AND 2-#4 N 16" BOND BEAM AT TOP OF WALL. PROVIDE 4x30" VERTICAL DOVELS IN EXISTING SLAB AT 48" GC WITH 3" EMBEDMENT.
- ⑤ PROVIDE 4x30" VERTICAL DOVELS IN EXISTING SLAB AT 48" GC WITH 3" EMBEDMENT. PROVIDE 2-#4 N 16" BOND BEAM AT TOP OF WALL AND PROVIDE CORNER BAR AT RETURN WALLS.
- ⑥ FLOOR OPENINGS IN STRUCTURE ABOVE TO BE COORDINATED SO OPENINGS ARE LOCATED BETWEEN EXISTING JOISTS.



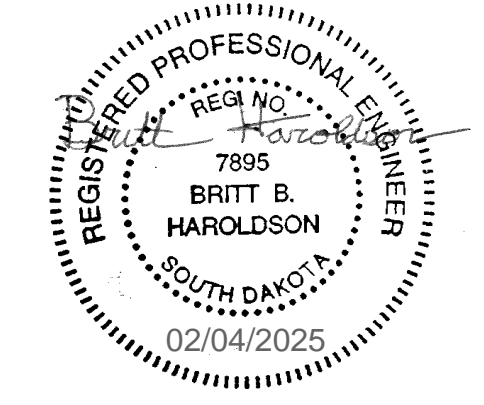
1 FIRST LEVEL PLAN - AREA B
S201B 1/8" = 1'-0"



2 FIRST LEVEL PLAN - AREA C
S201B 1/8" = 1'-0"



CO-OP PROJECT NO: 2351



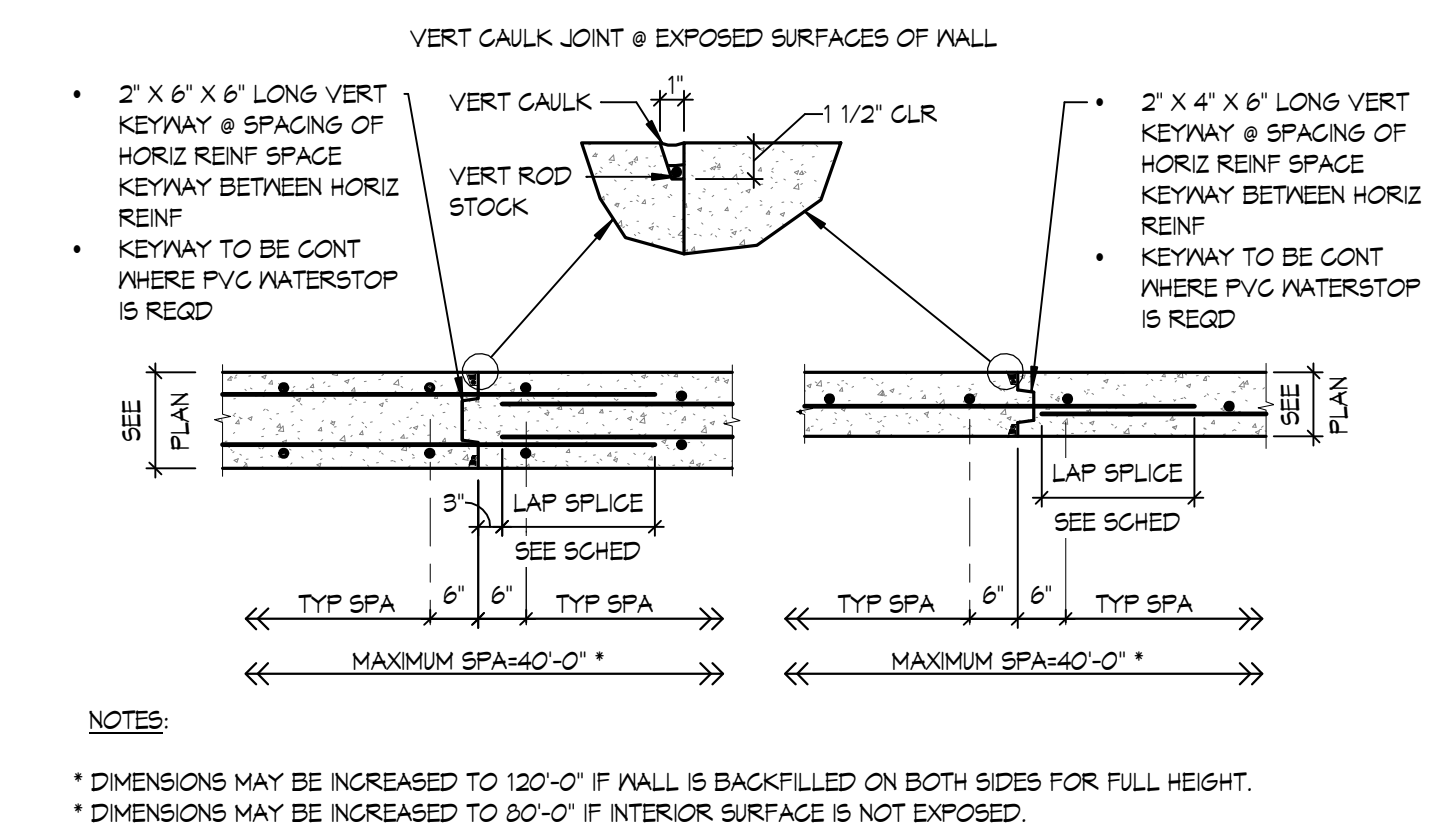
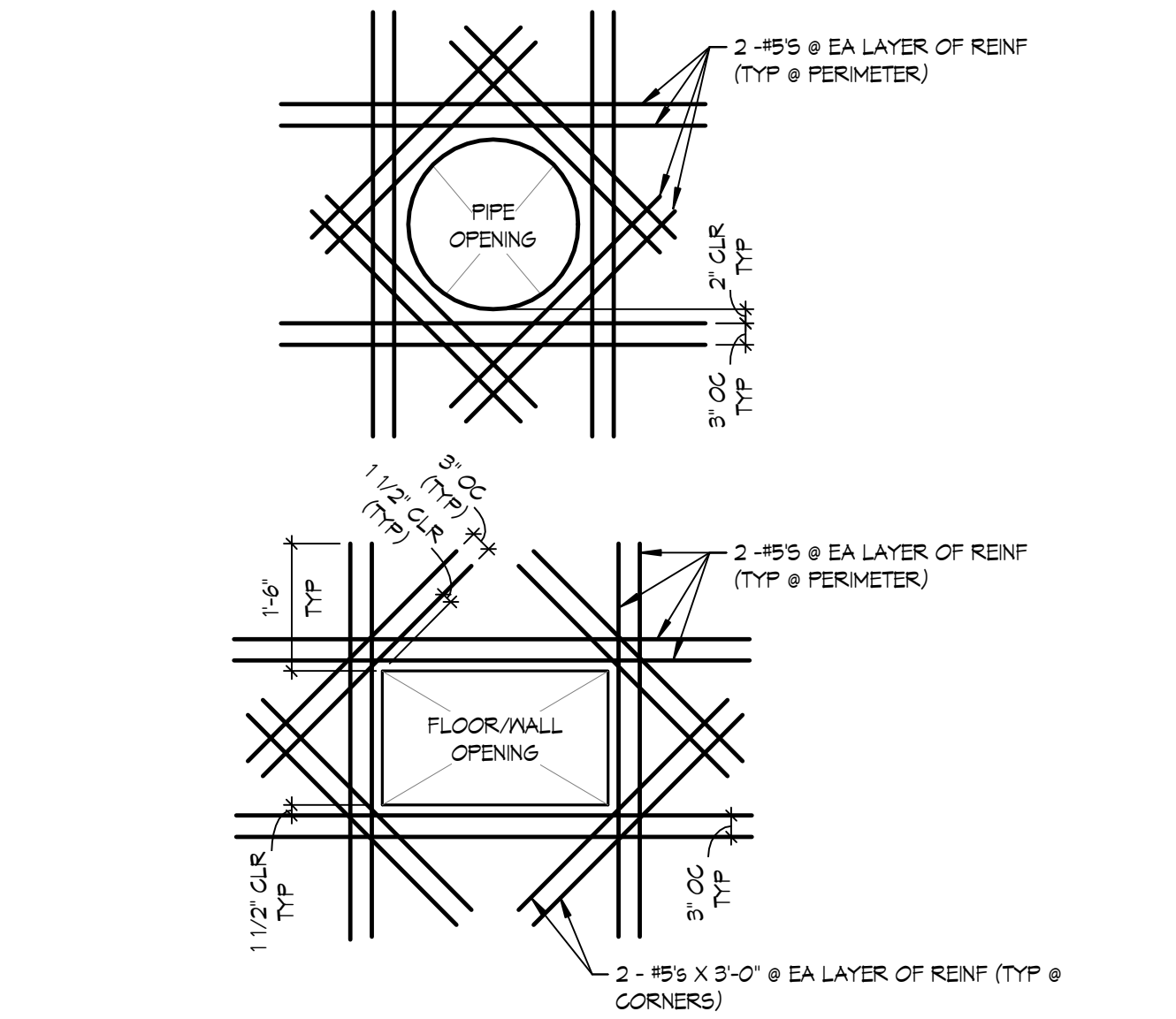
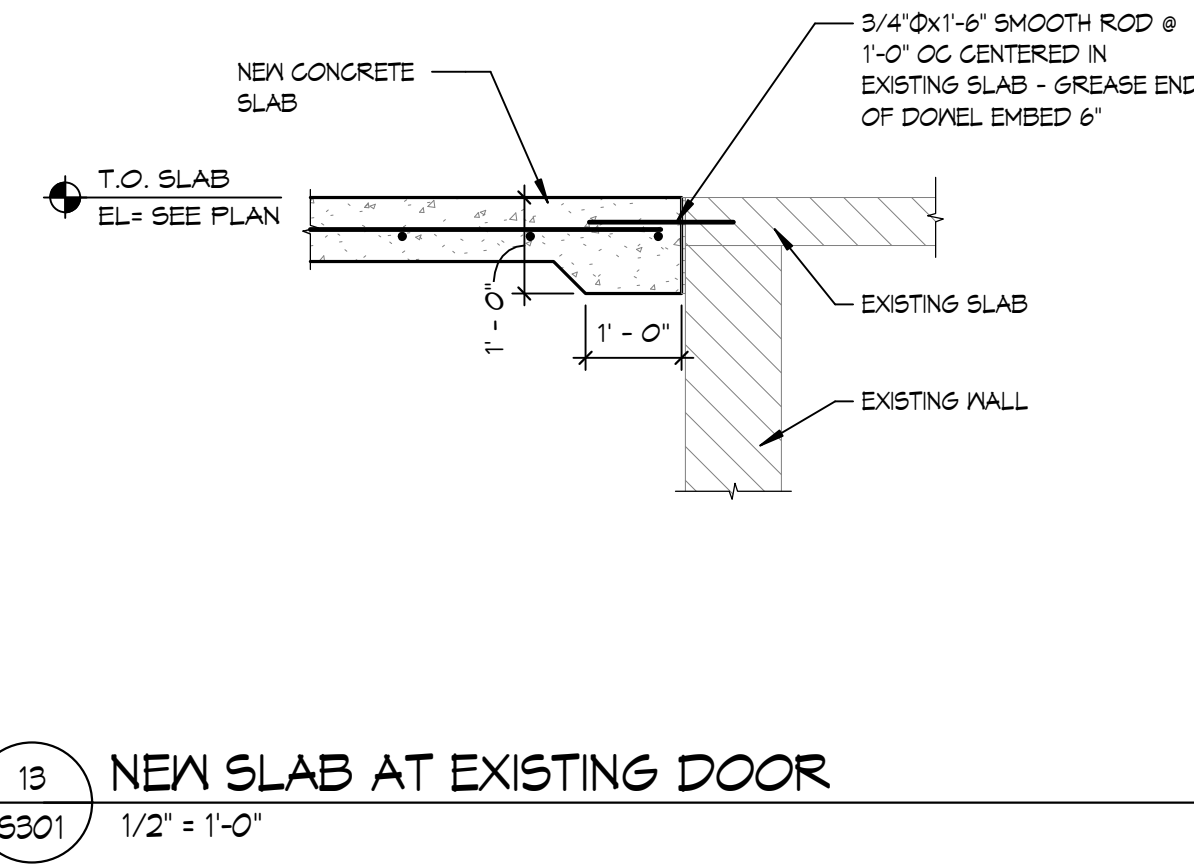
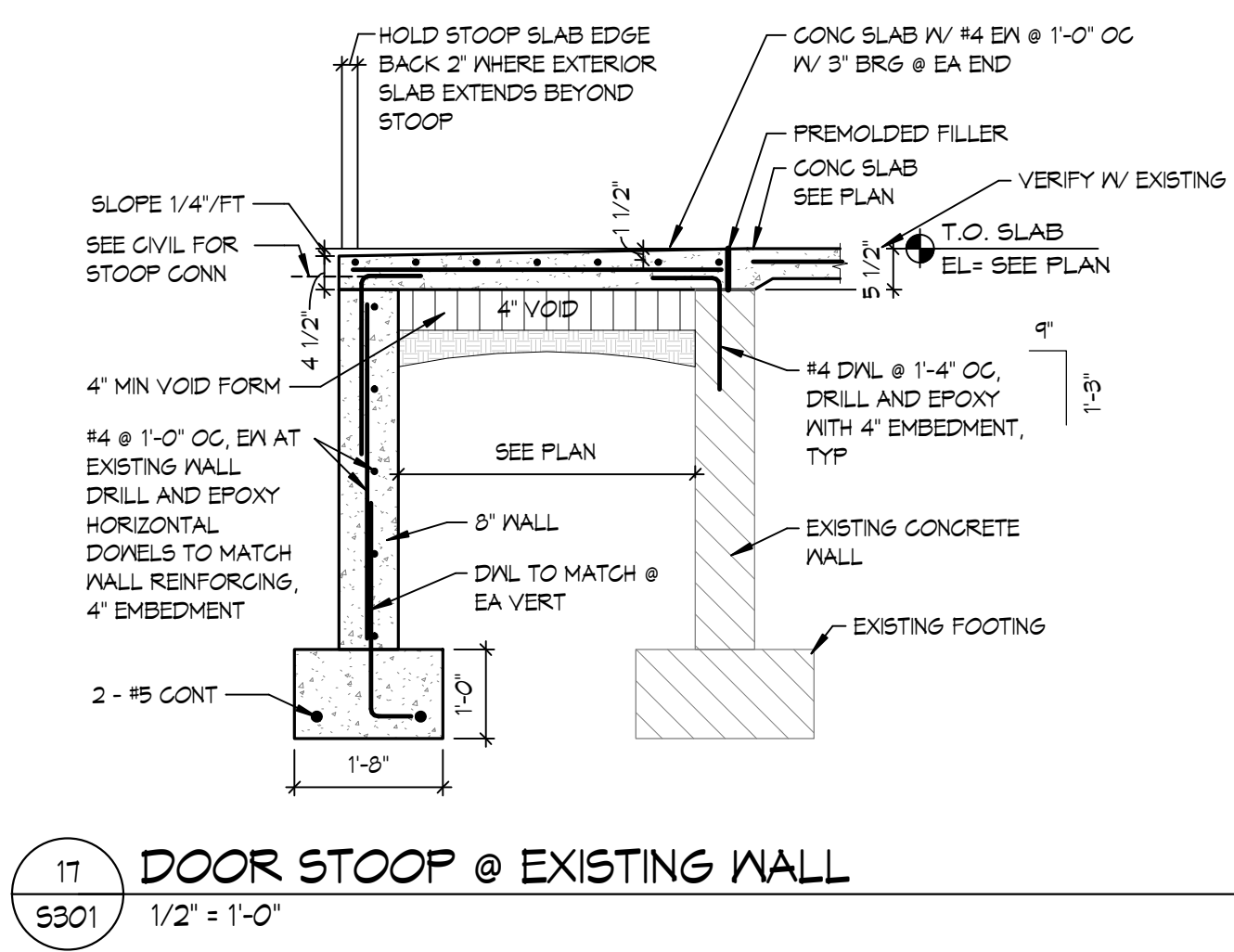
ISSUE:
02/04/2025 100% CONSTRUCTION DOCUMENTS

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

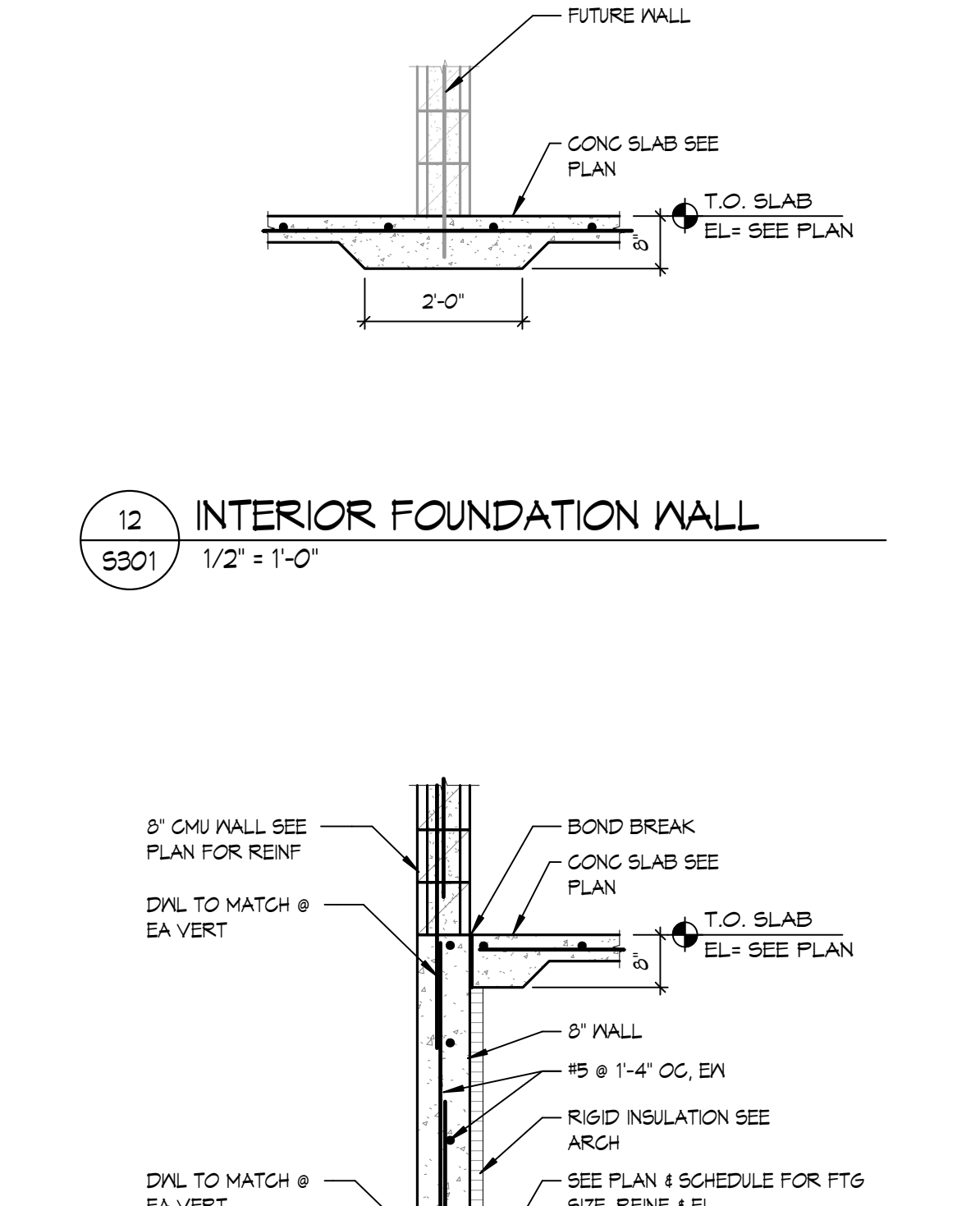
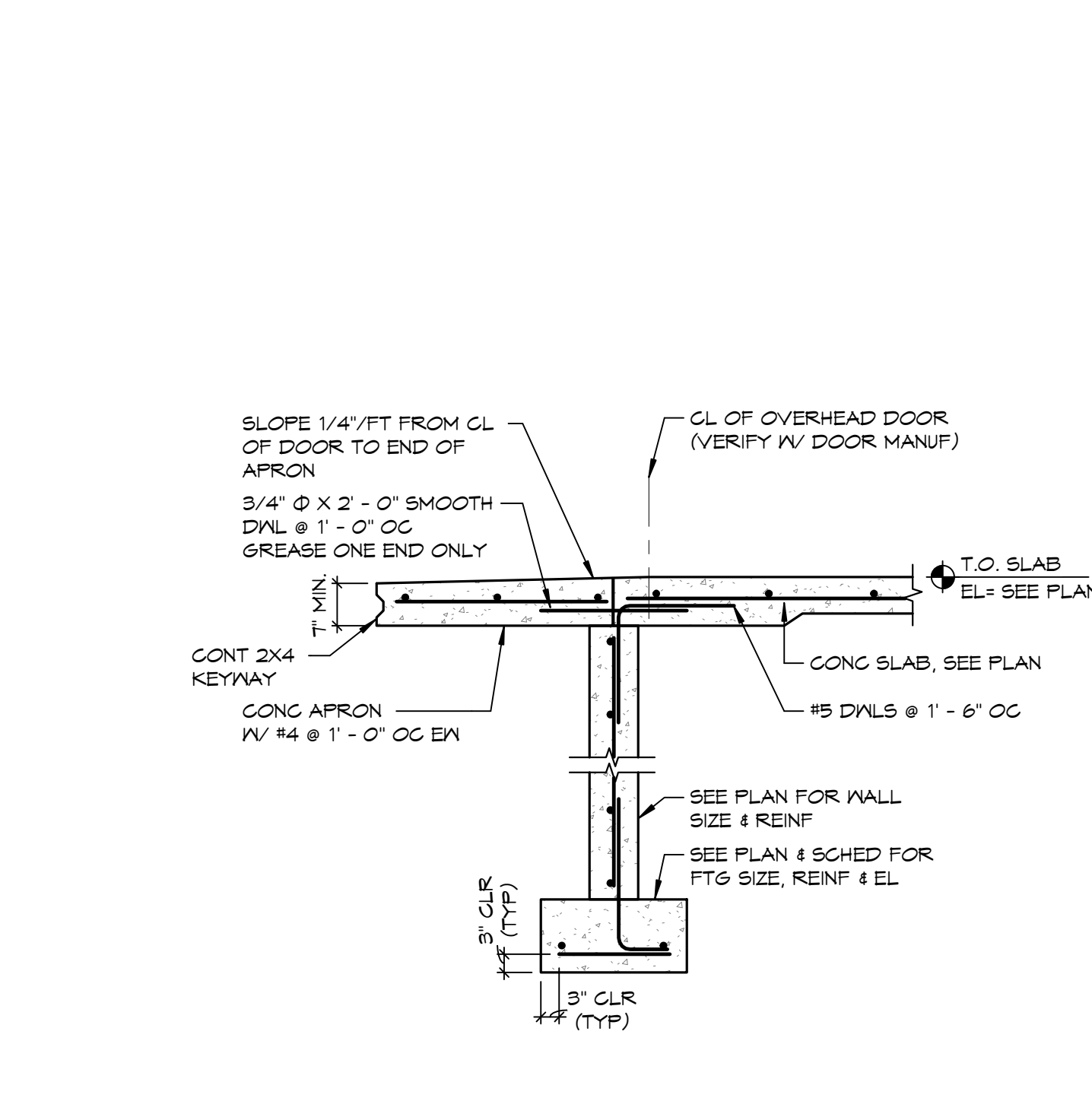
PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
ROOF FRAMING PLAN -
AREA B & C

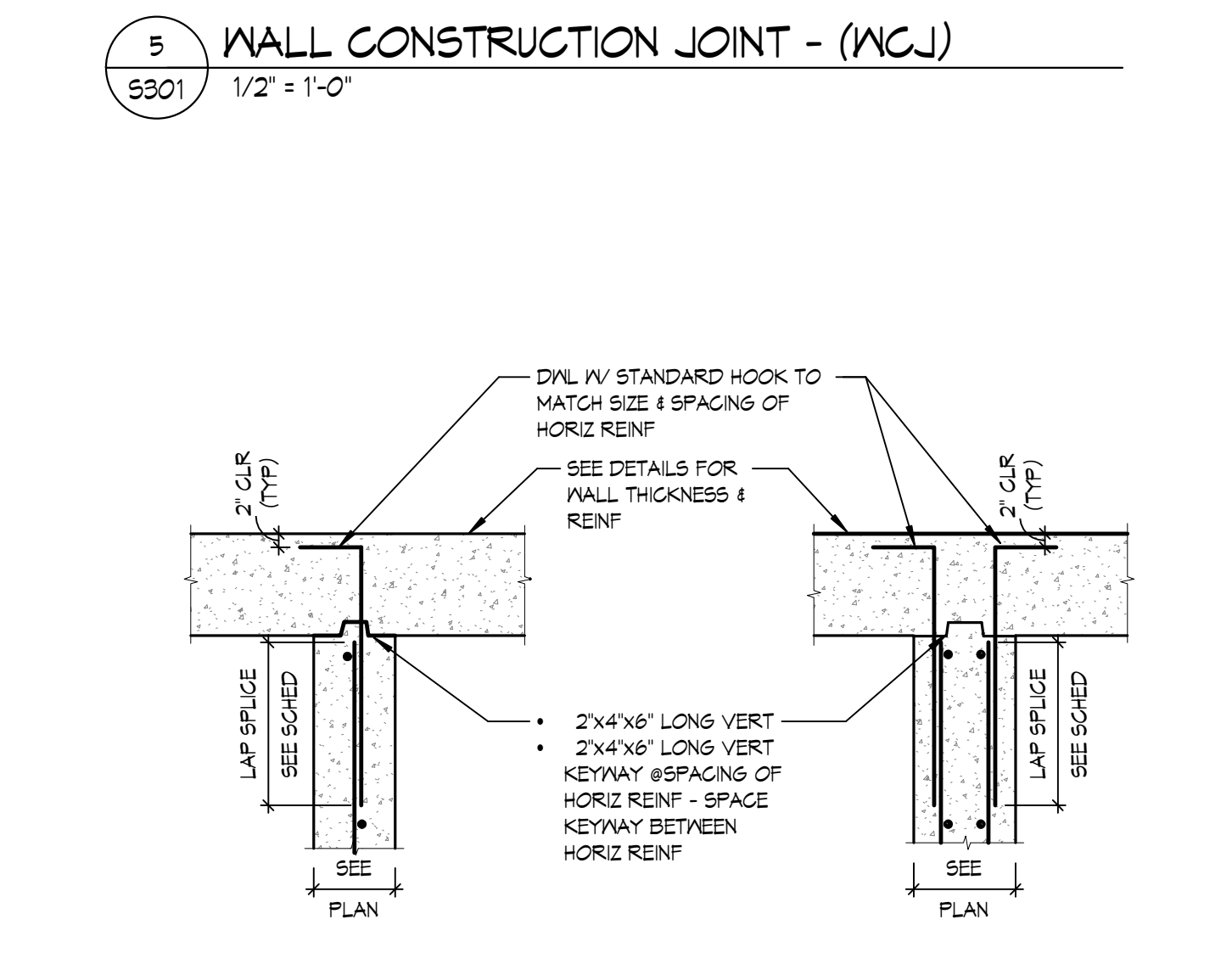
S201B



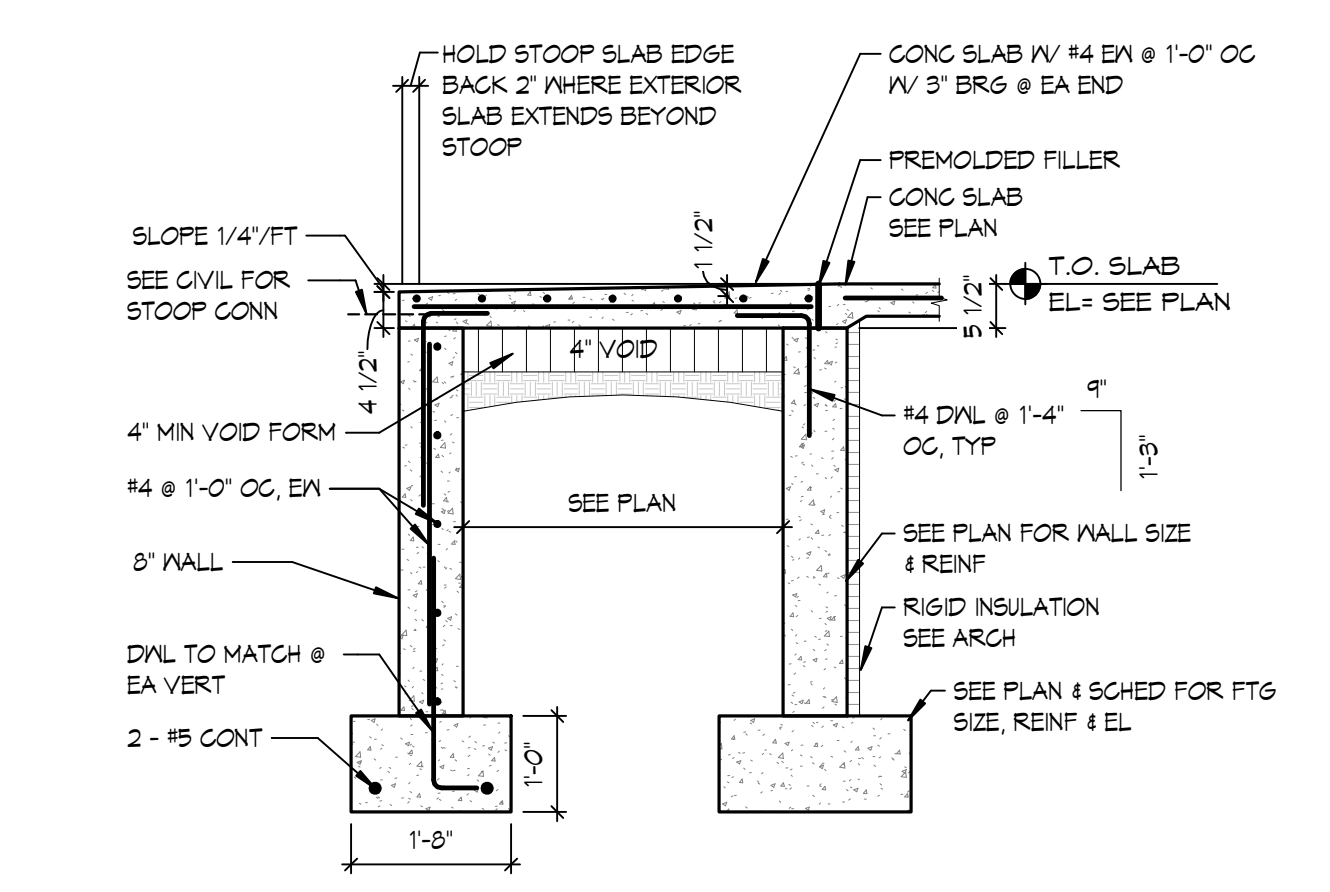
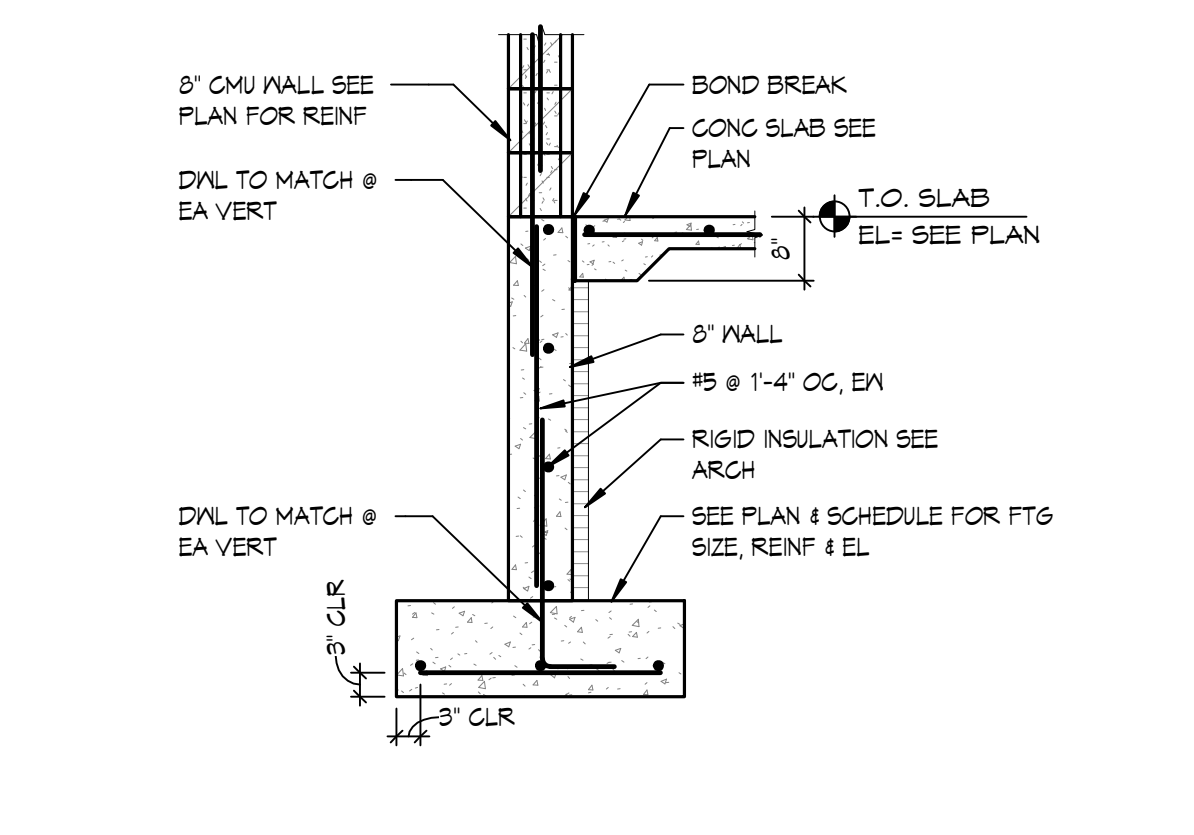
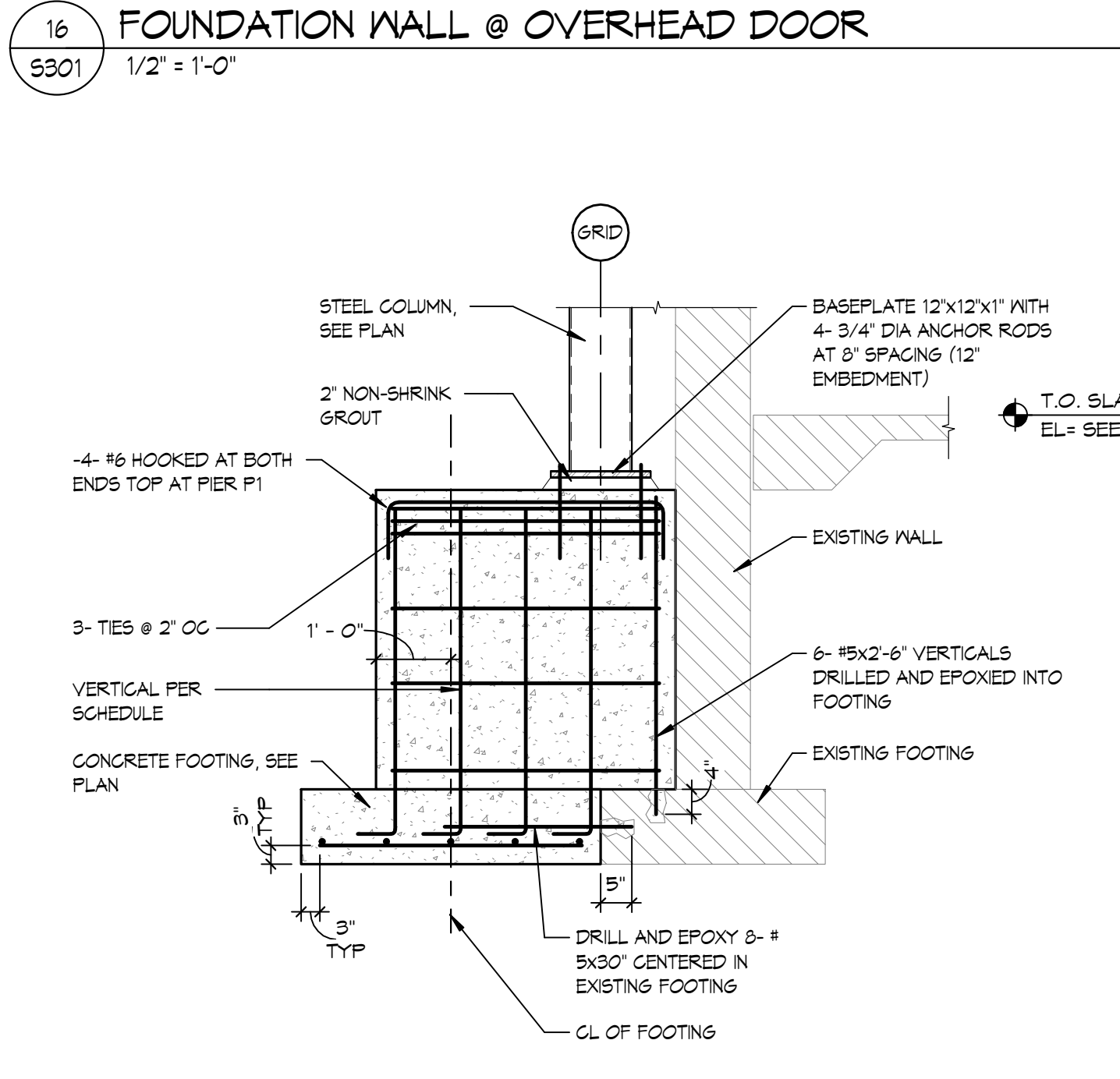
5 WALL CONSTRUCTION JOINT - (MCJ)
S301 1/2" = 1'-0"



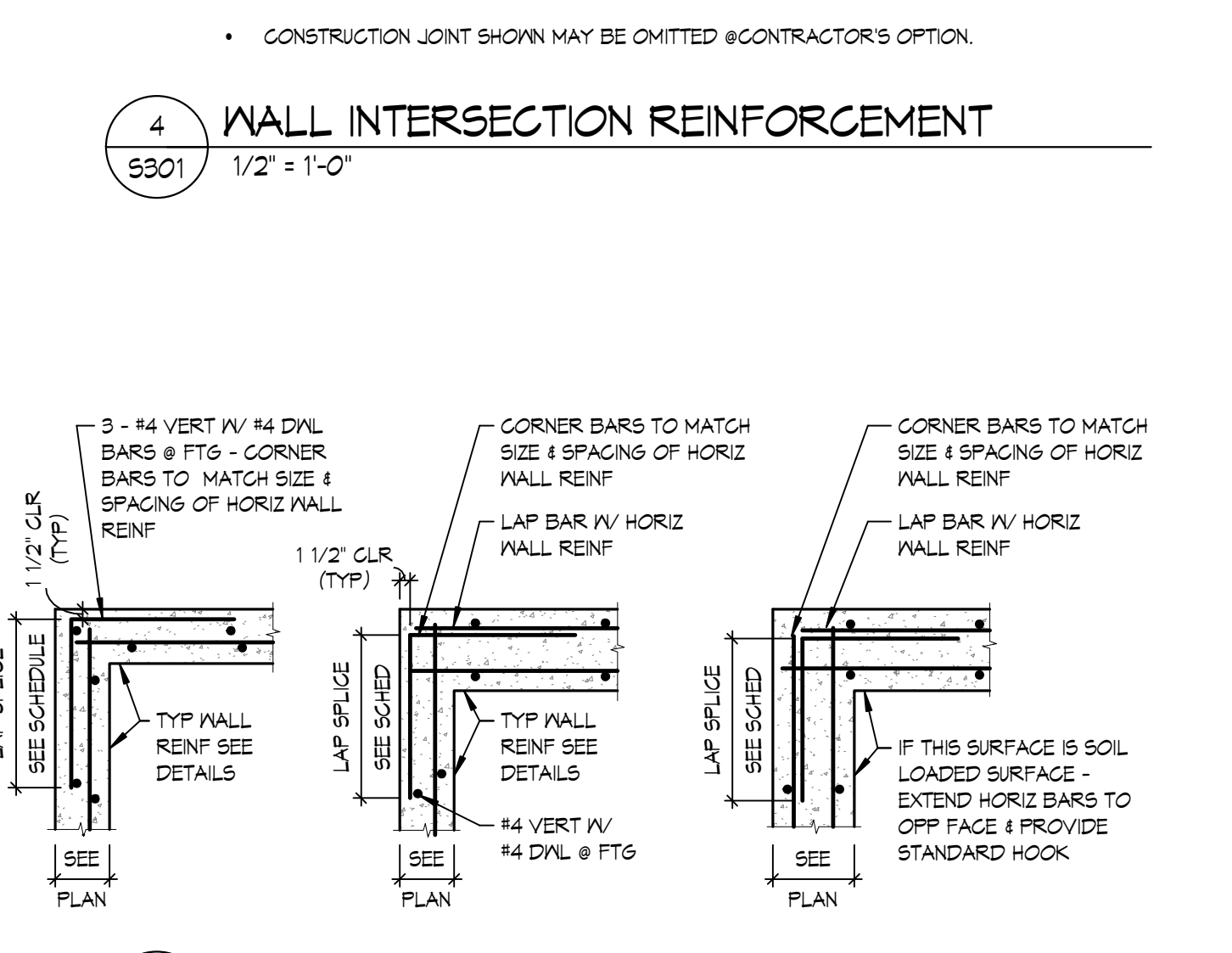
9 ADDITIONAL REINFORCING @ OPENING
S301 1/2" = 1'-0"



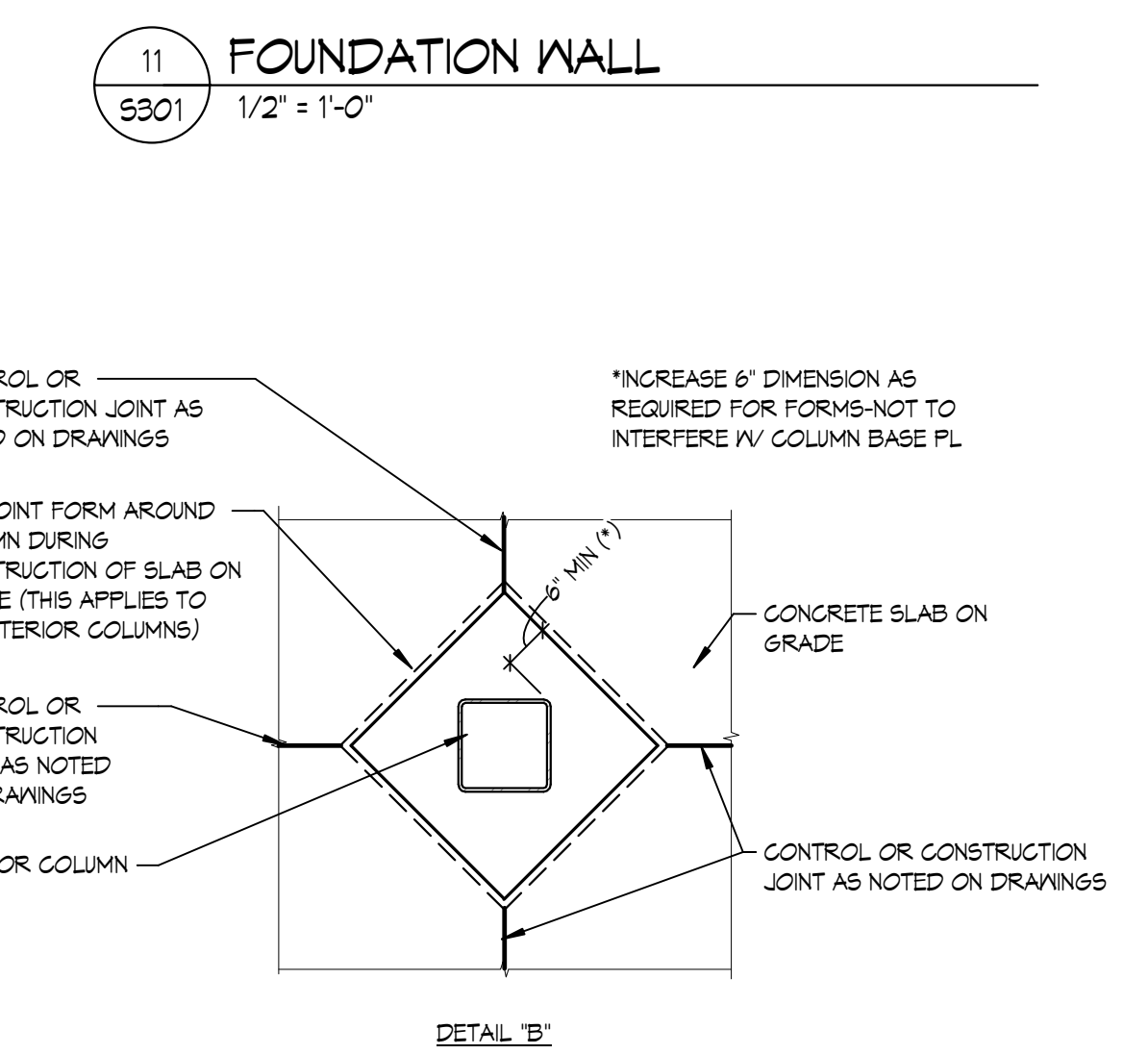
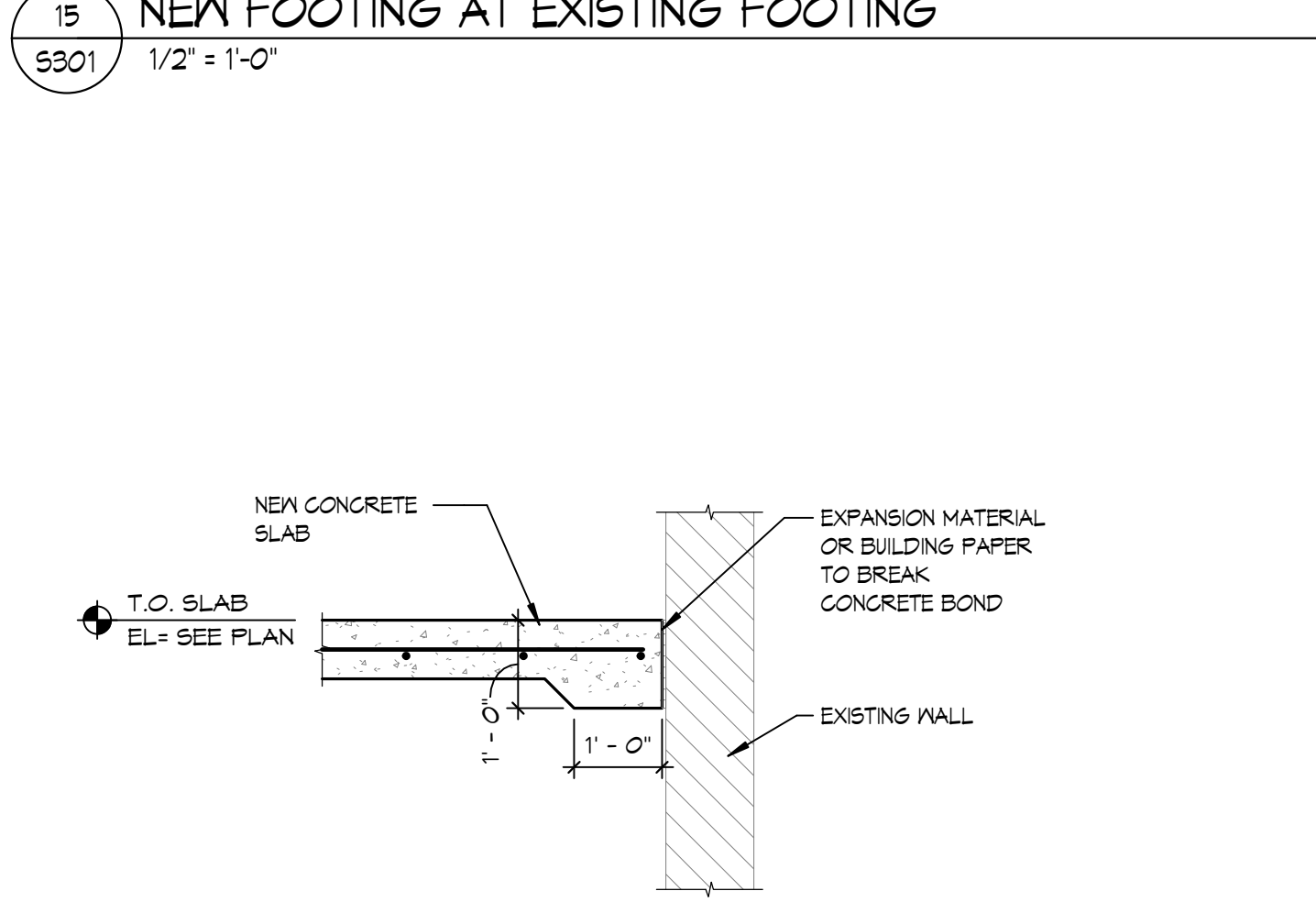
4 WALL INTERSECTION REINFORCEMENT
S301 1/2" = 1'-0"



8 DOOR STOOP
S301 1/2" = 1'-0"



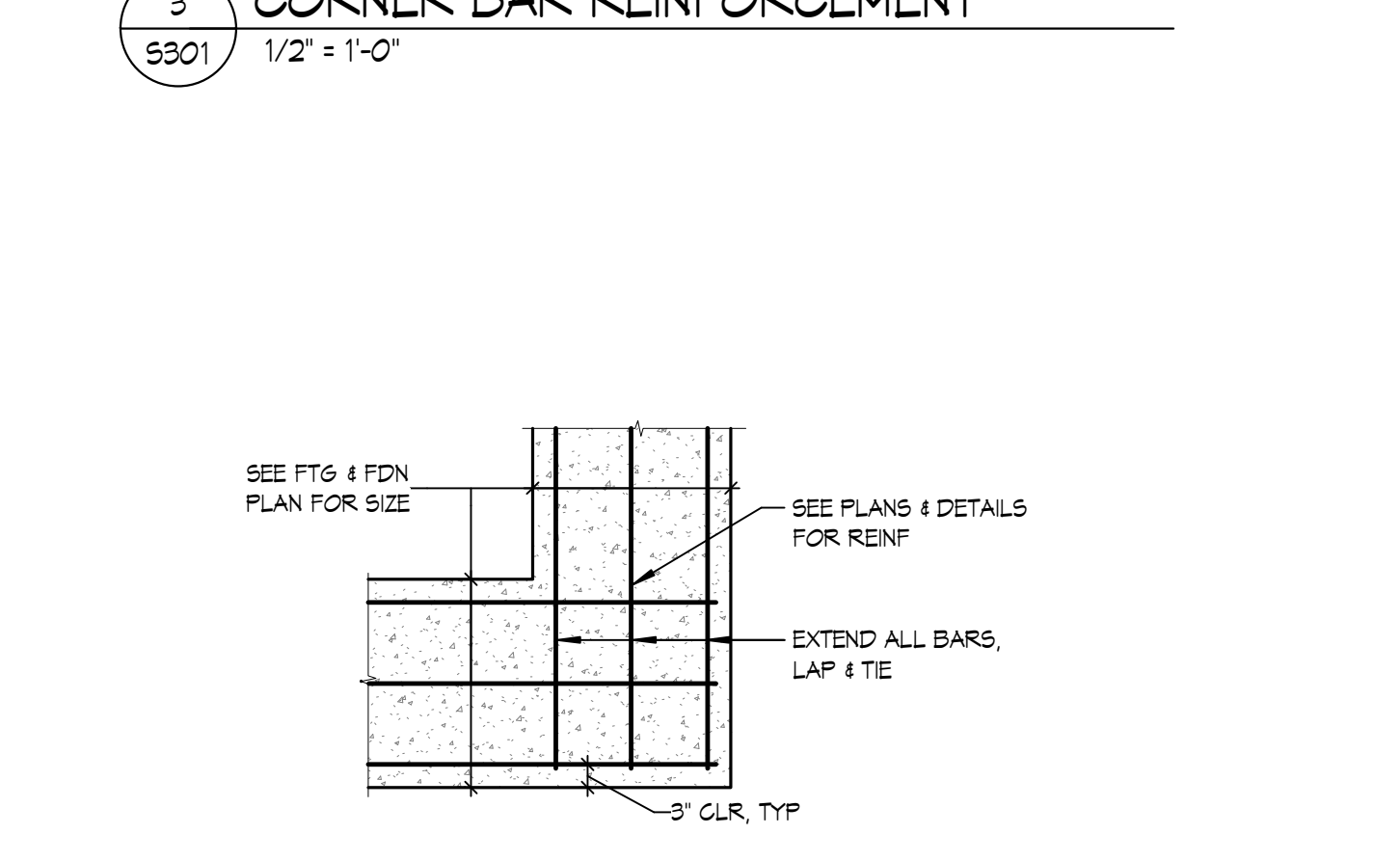
3 CORNER BAR REINFORCEMENT
S301 1/2" = 1'-0"



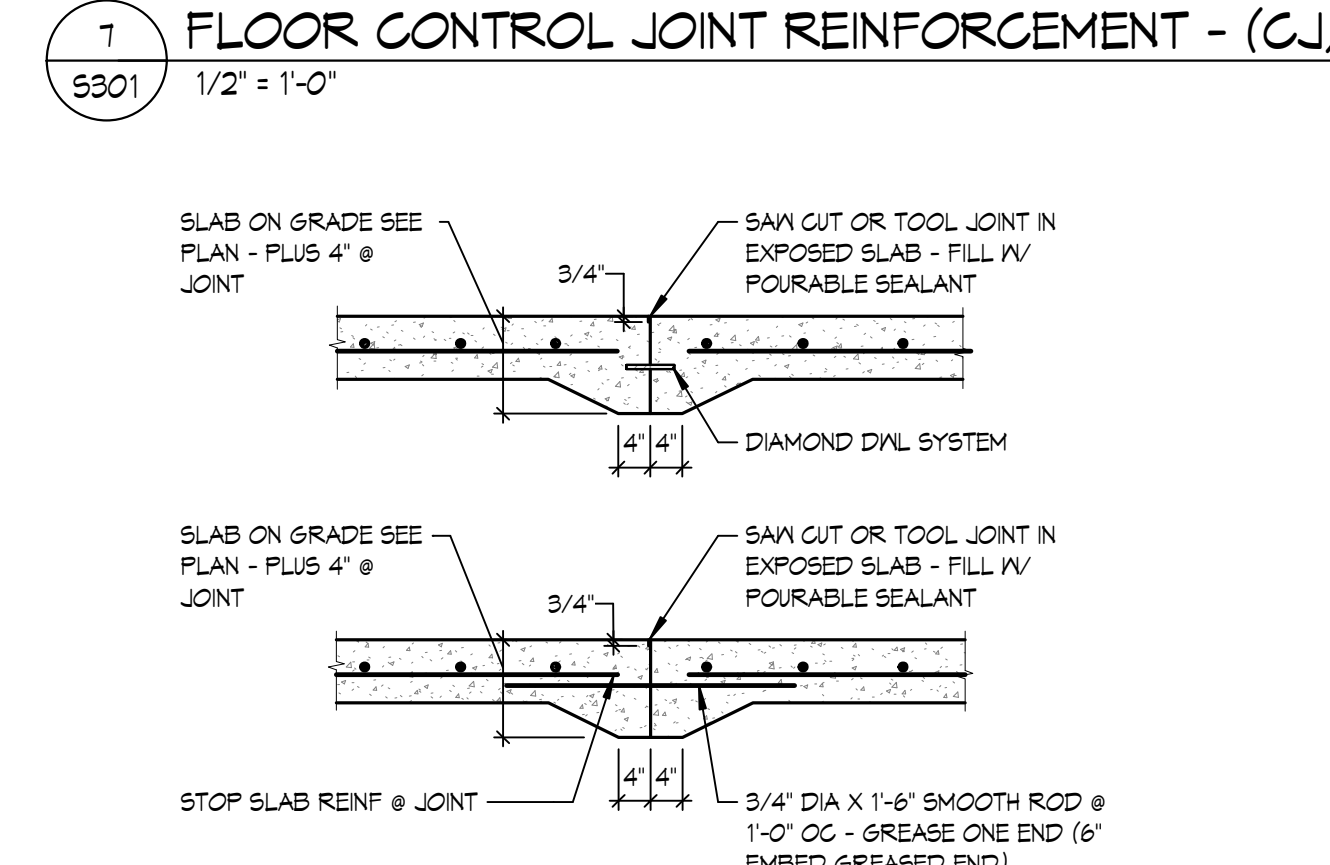
10 INTERIOR COLUMN ISOLATION JOINT
S301 1/2" = 1'-0"



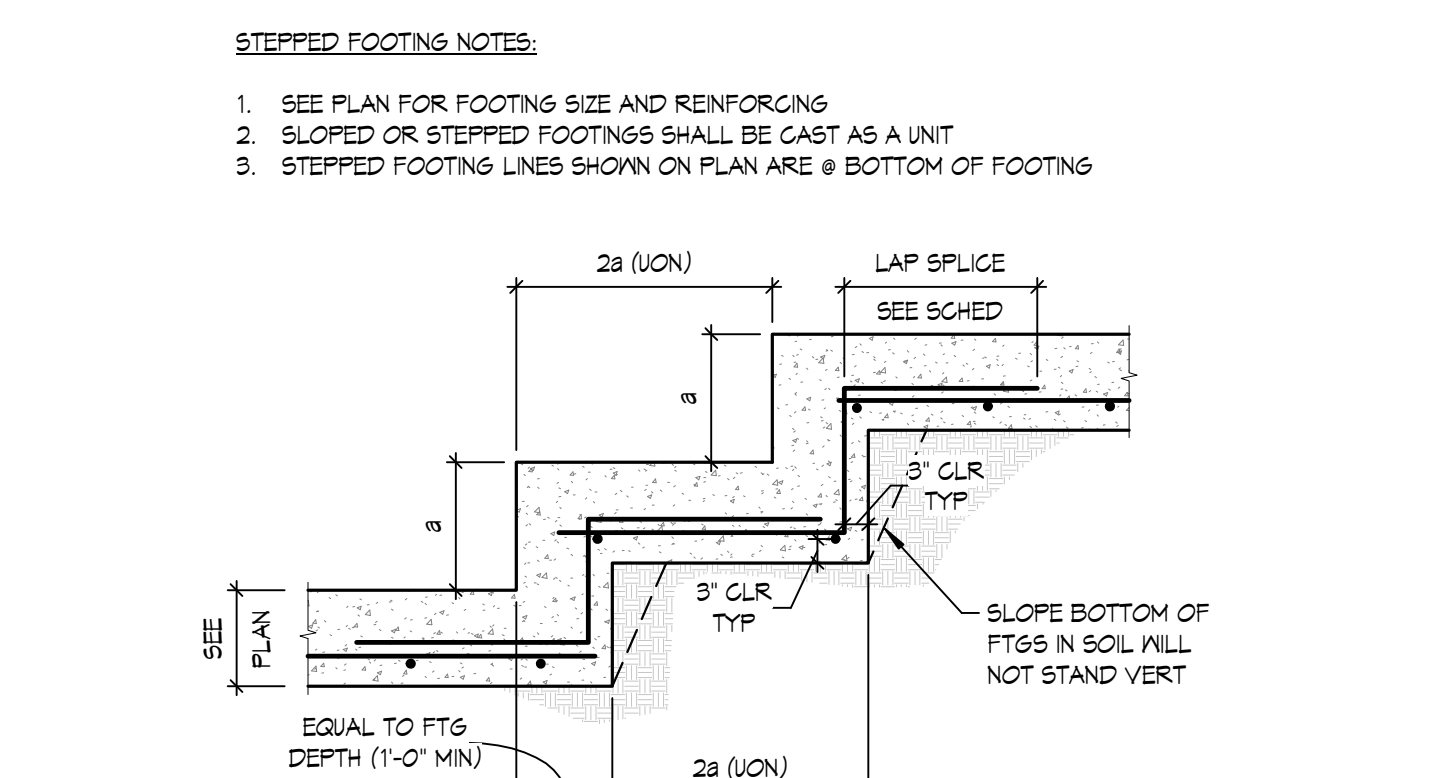
6 FLOOR CONSTRUCTION JOINT REIN - (CCJ)
S301 1/2" = 1'-0"



2 FOOTING CORNER REINFORCEMENT
S301 1/2" = 1'-0"

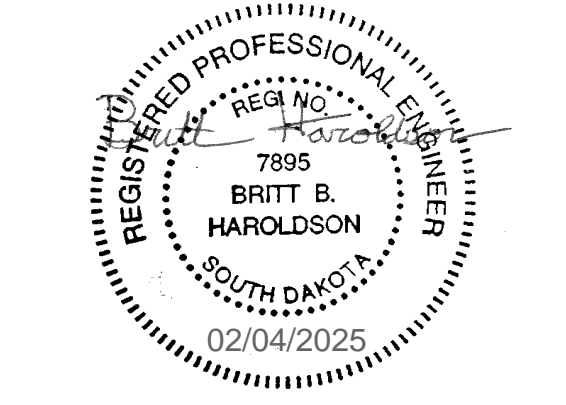


7 FLOOR CONTROL JOINT REINFORCEMENT - (CJ)
S301 1/2" = 1'-0"



1 STEPPED FOOTING REINFORCEMENT
S301 1/2" = 1'-0"

CO-OP PROJECT NO: 2351

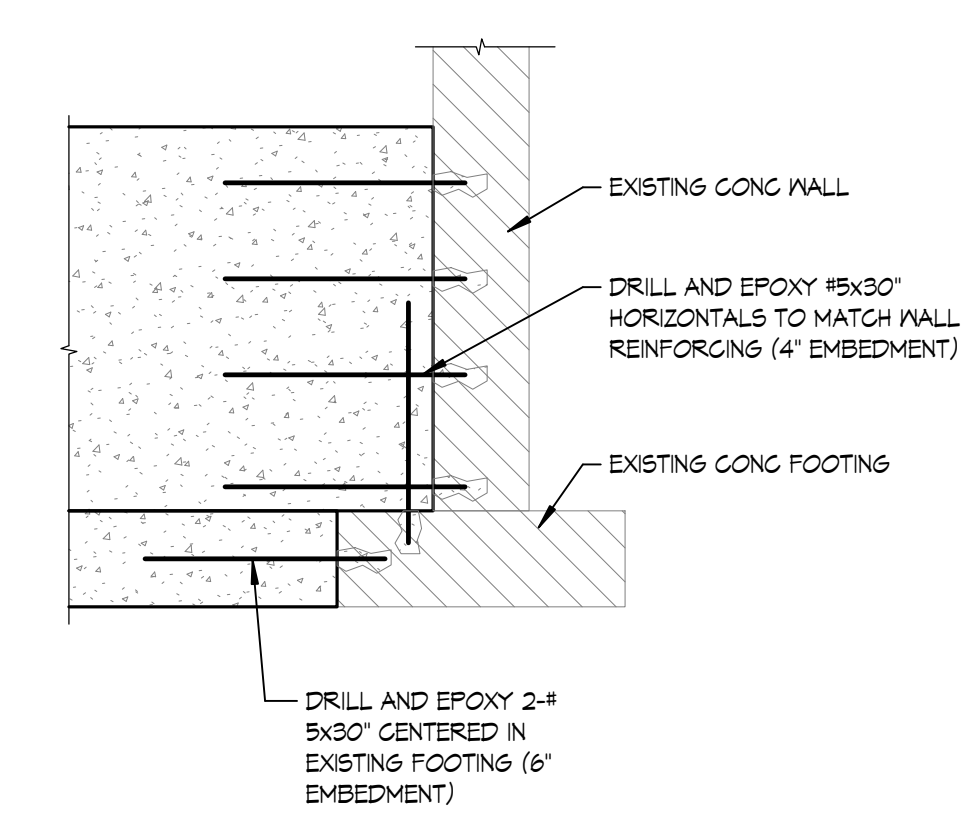


ISSUE: 02/04/2025 100% CONSTRUCTION DOCUMENTS
REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

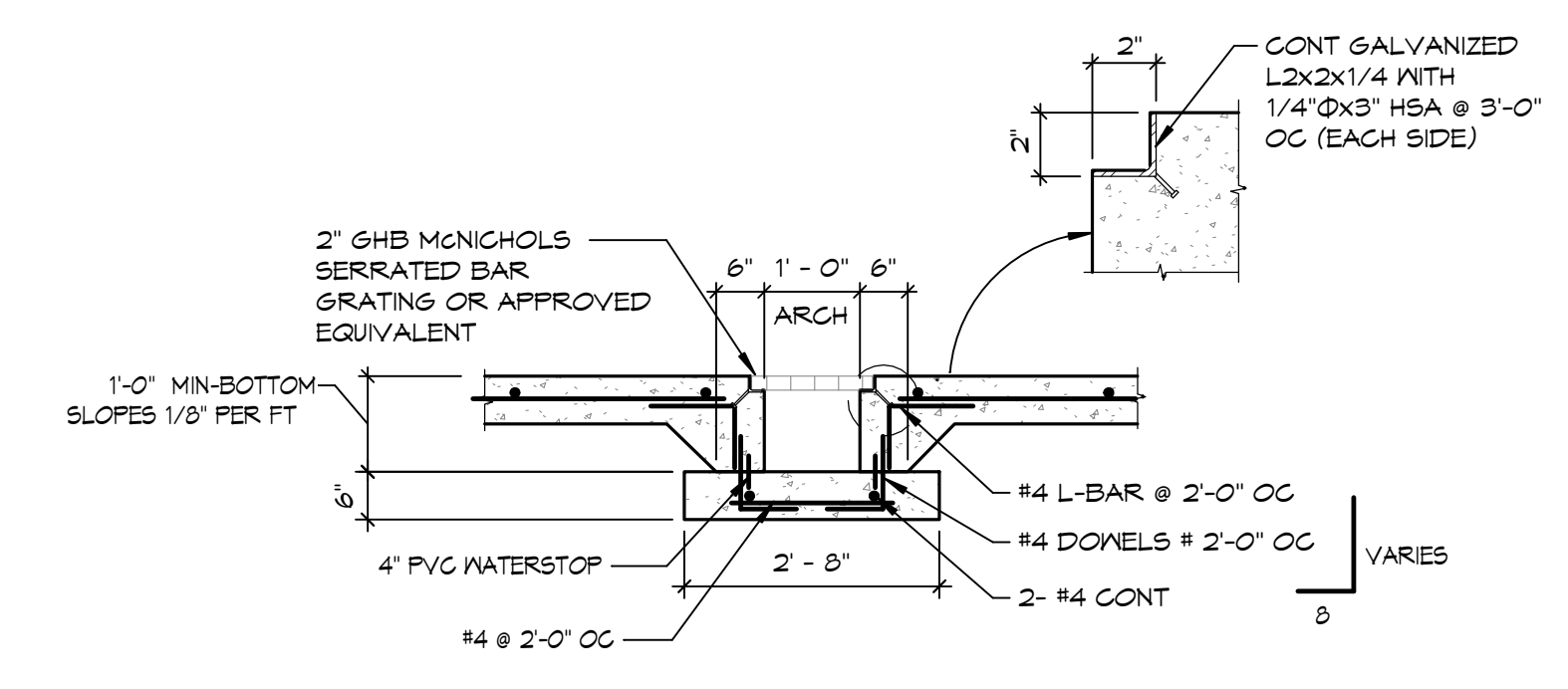
PROJECT: FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE: FOUNDATION DETAILS

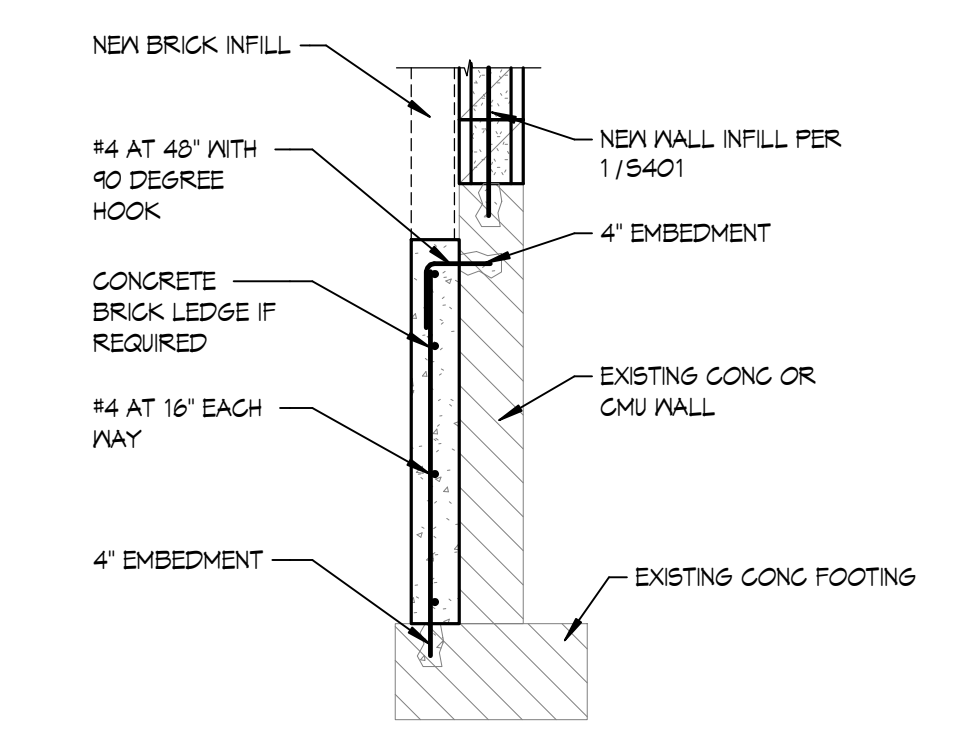
NOTES:
1. WALL AND FOOTING REINFORCING NOT SHOWN FOR CLARITY



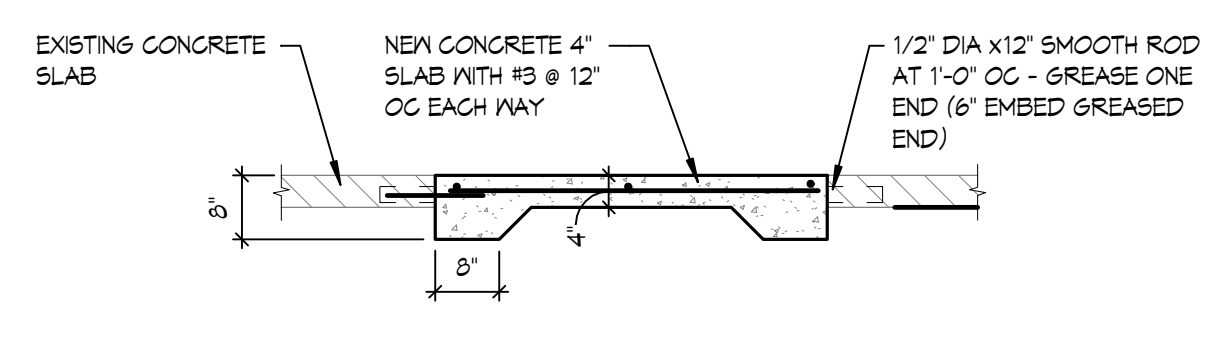
4
NEW FOOTING AT EXISTING FOOTING
S302 1/2" = 1'-0"



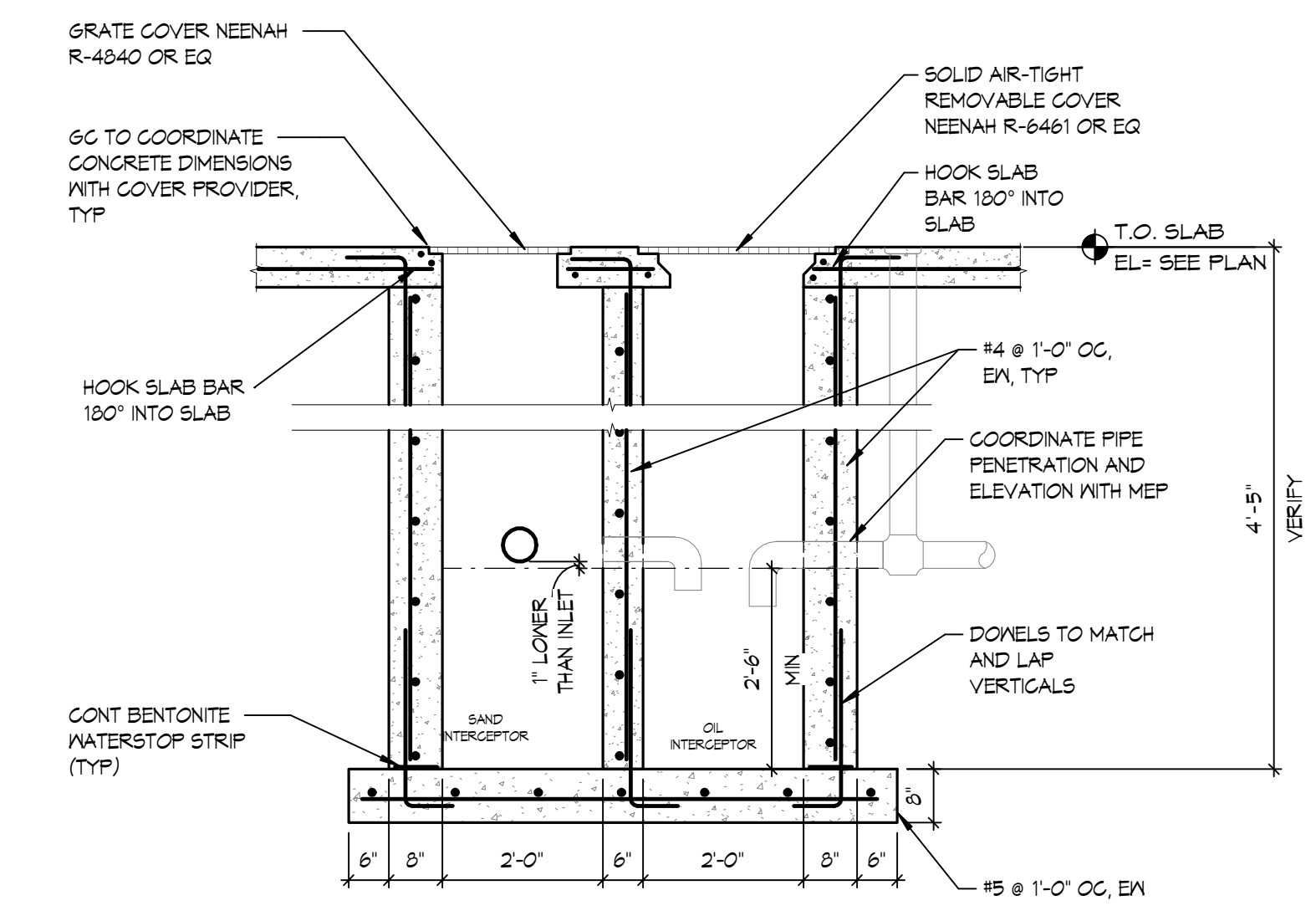
3
TRENCH DRAIN DETAIL
S302 1/2" = 1'-0"



2
CONCRETE BRICK LEDGE
S302 1/2" = 1'-0"



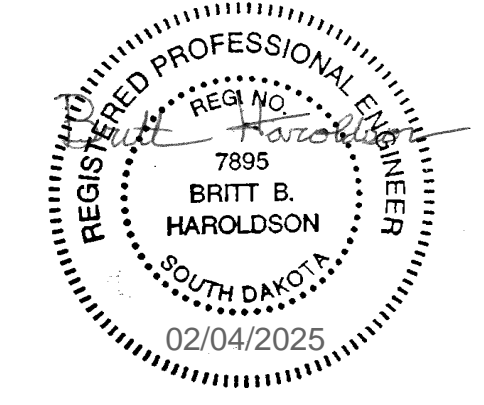
5
TYP CONCRETE SLAB INFILL
S302 1/2" = 1'-0"



NOTES:
1. ALL DIMENSIONS TO BE VERIFIED BY THE PLUMBING CONTRACTOR

1
OIL/SAND INTERCEPTOR PIT
S302 1/2" = 1'-0"

CO-OP PROJECT NO: 2351



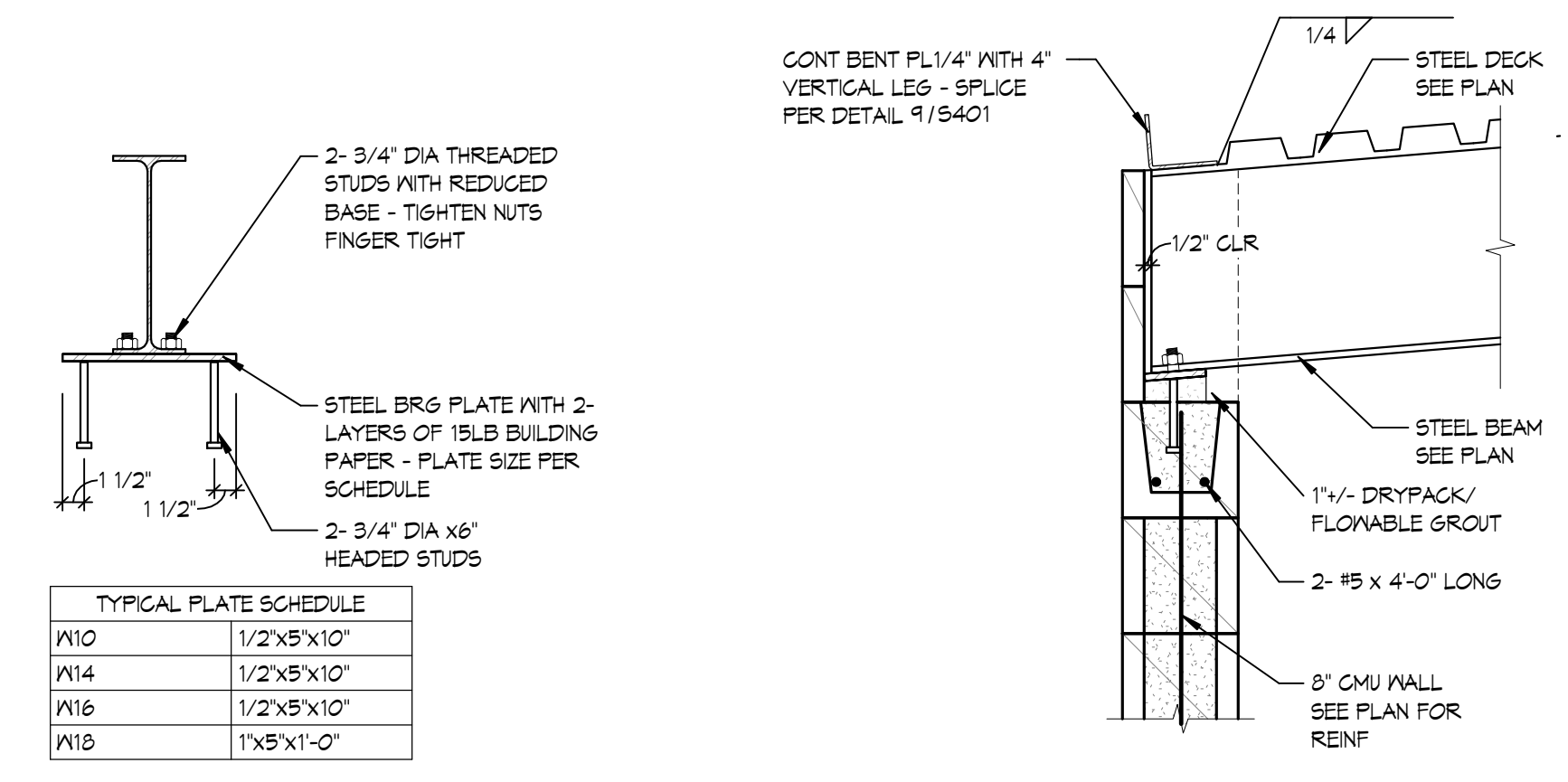
ISSUE:
02/04/2025 100% CONSTRUCTION DOCUMENTS

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

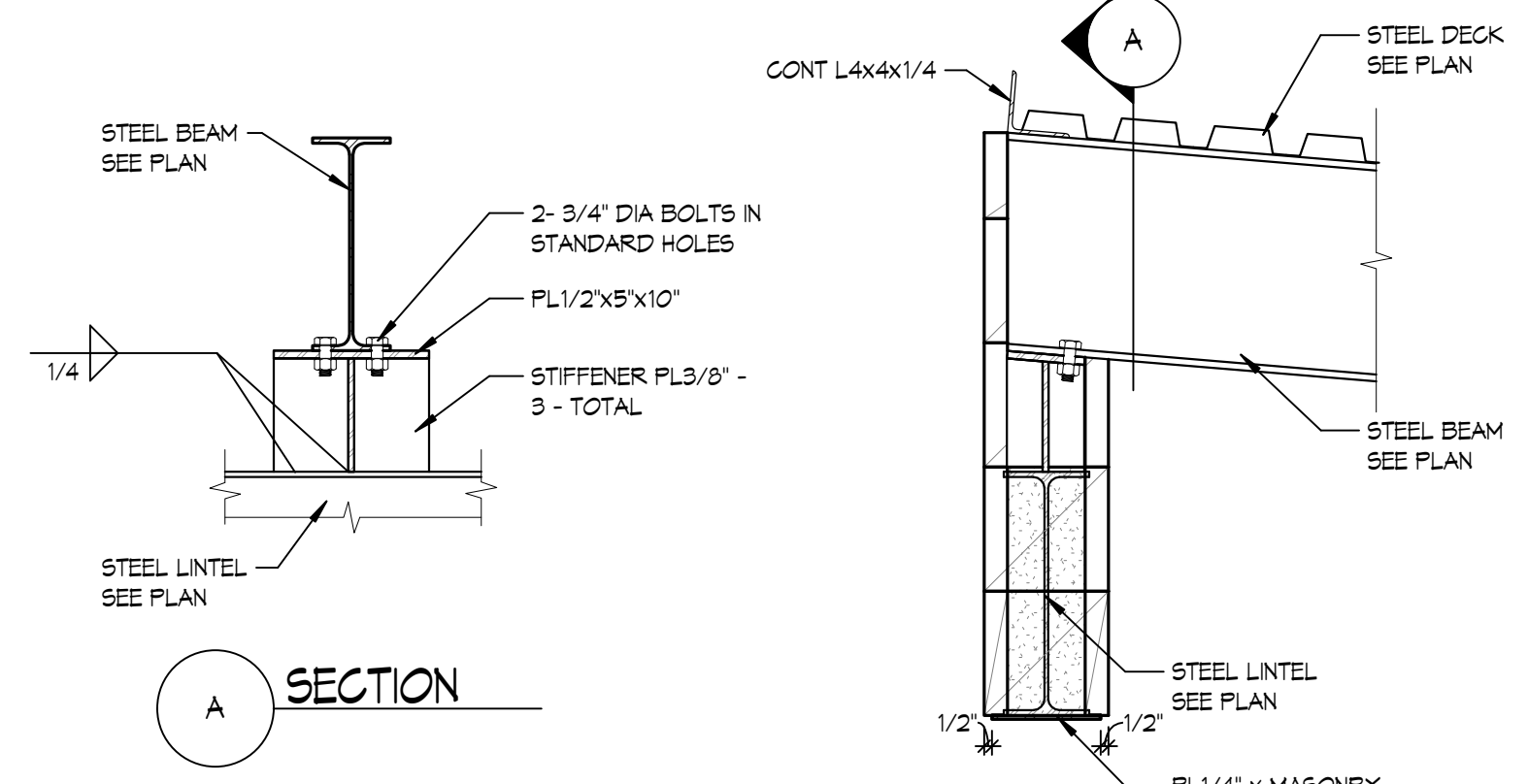
PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
FOUNDATION DETAILS

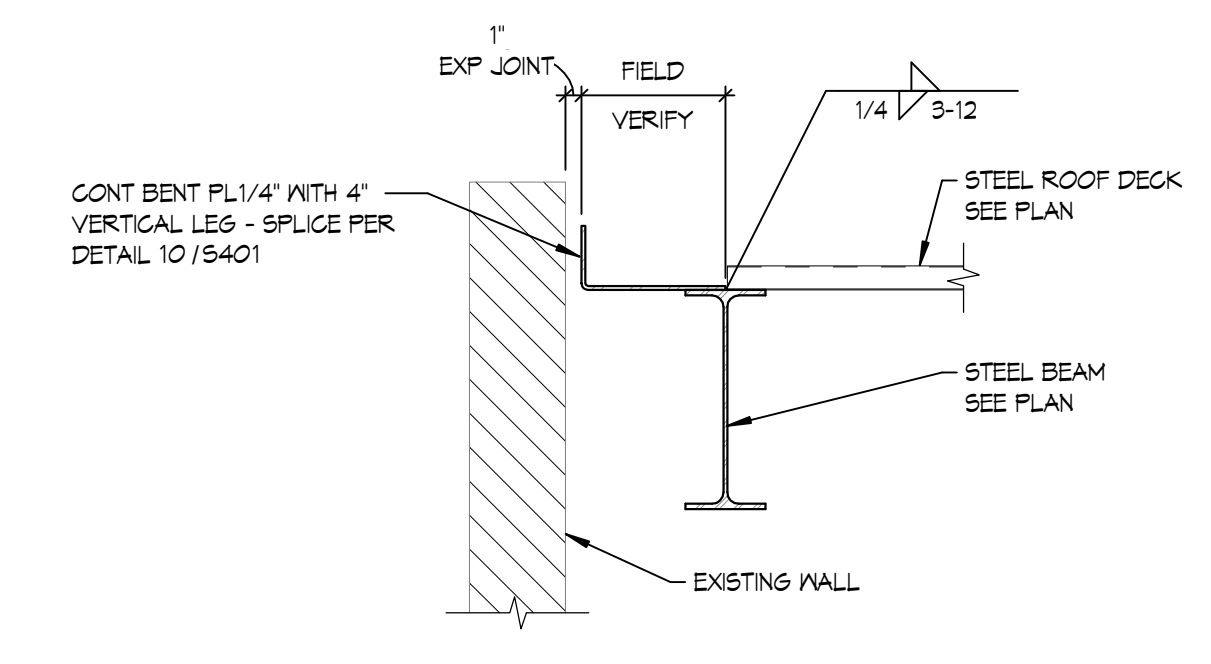
S302



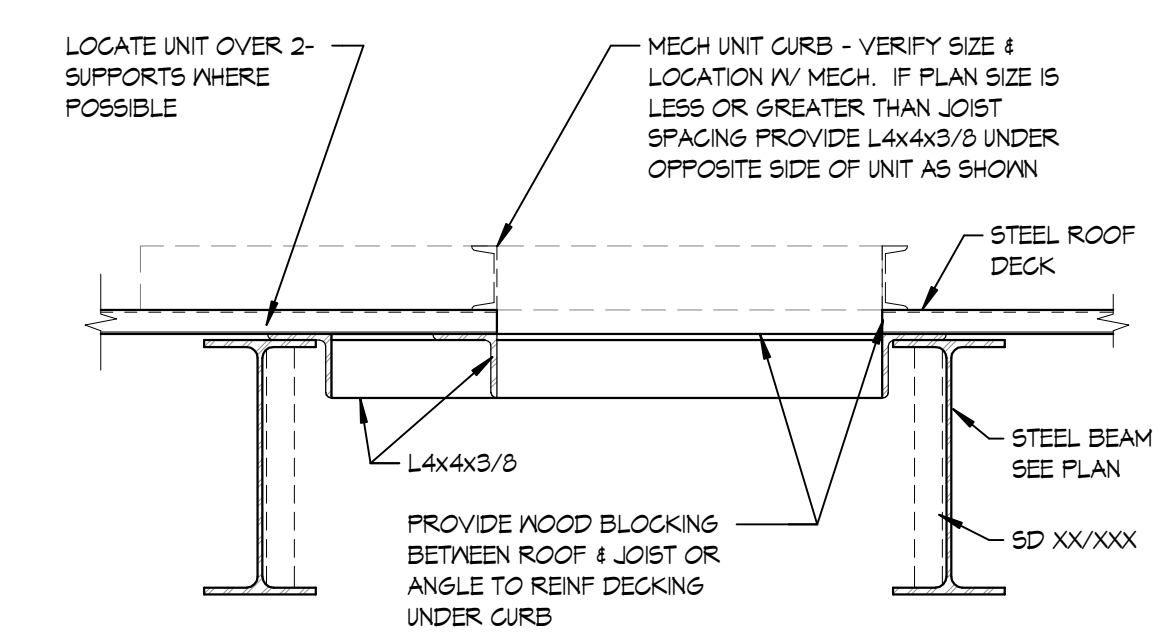
8 STEEL BEAM BRG @ CMU
S401 1" = 1'-0"



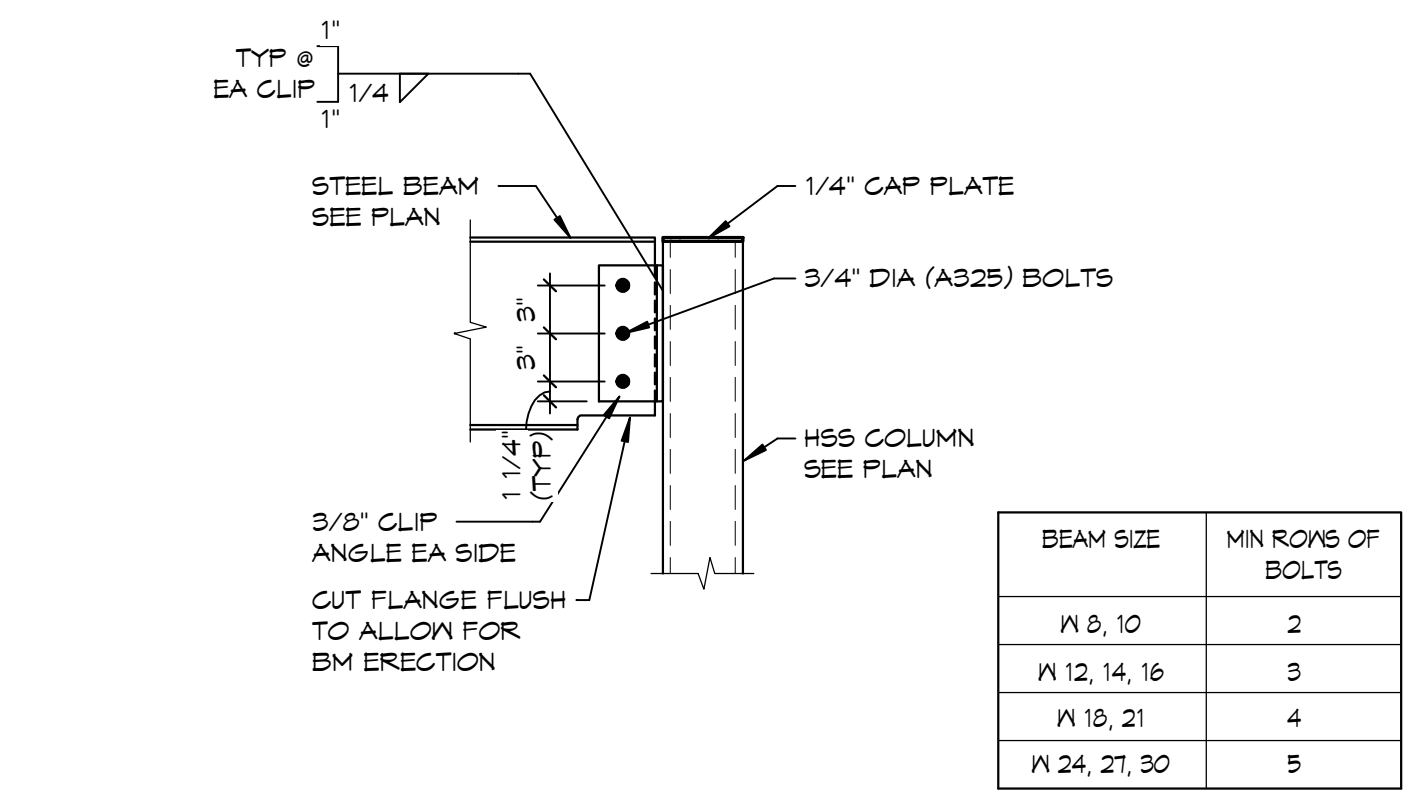
7 STEEL BEAM BEARING AT LINTEL
S401 1" = 1'-0"



11 ROOF DECK EDGE @ EXISTING WALL
S401 1" = 1'-0"

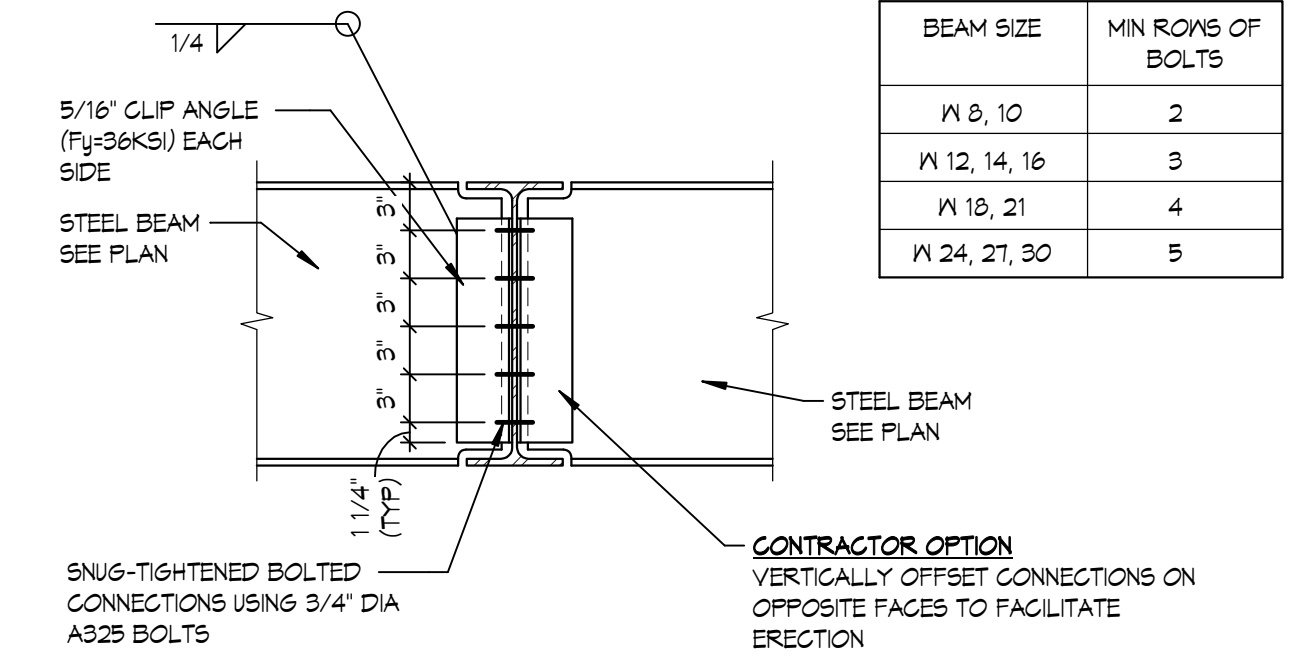


6 MECHANICAL SUPPORT
S401 1" = 1'-0"

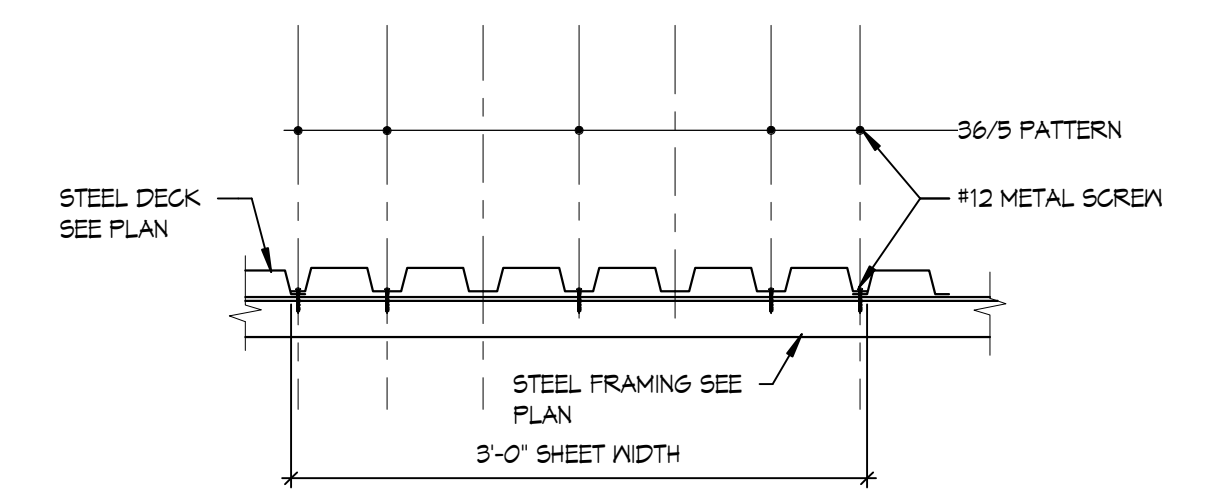


NOTES:
1. PROVIDE PREDESIGNED CONNECTIONS AS SHOWN IN AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL WHERE APPLICABLE.
2. PROVIDE MINIMUM NUMBER OF BOLTS AS SHOWN IN TABLE.

4 STEEL BEAM CONNECTION @ HSS COL
S401 1" = 1'-0"

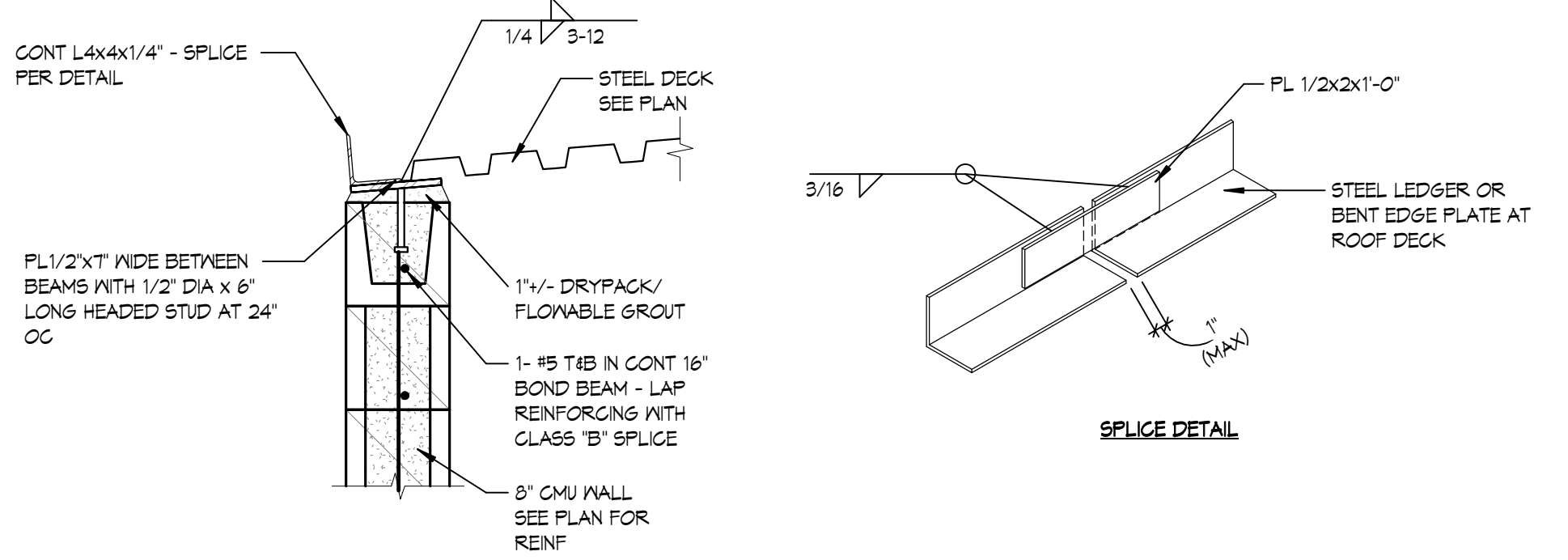


3 TYPICAL BEAM TO BEAM CONNECTION
S401 1" = 1'-0"

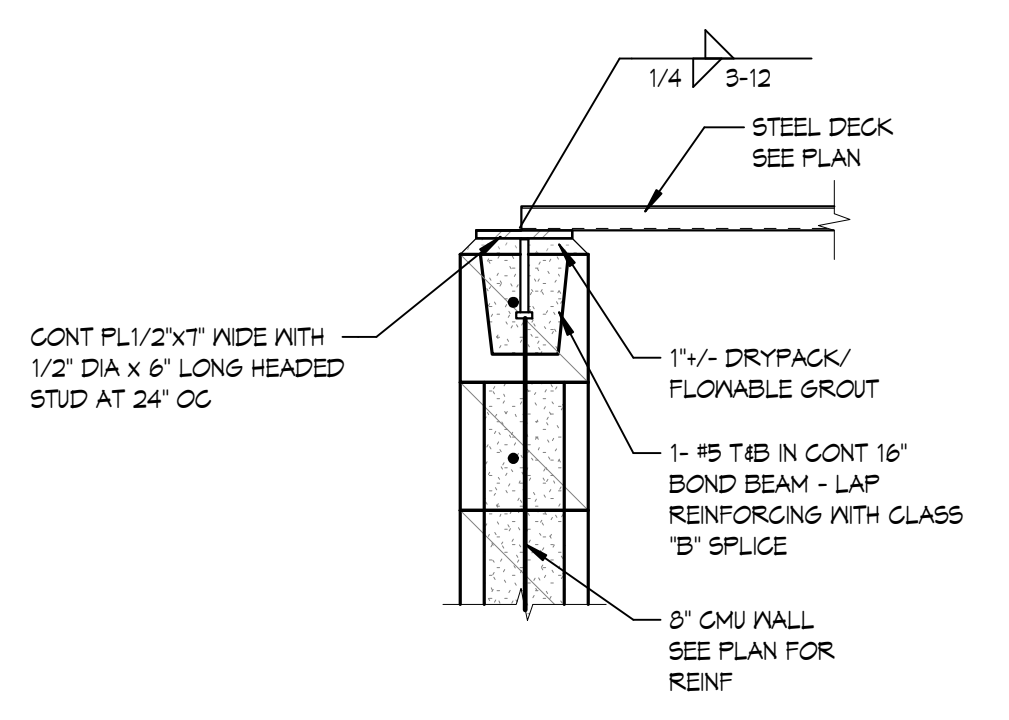


NOTES:
1. LAP DECK ENDS 2" MINIMUM AND FASTEN TO SUPPORT AT 6" OC, OR PER ATTACHMENT REQUIREMENT, WHICHEVER IS GREATER LAP DECK ENDS 2" MINIMUM AND FASTEN TO SUPPORT @ 6" OC.
2. AT SUPPORTS USE #12 SCREWS WITH 36/5 FASTENING PATTERN.
3. SIDE LAP FASTENERS SHALL BE #10 METAL SCREWS WITH 6 CONNECTIONS PER SPAN.

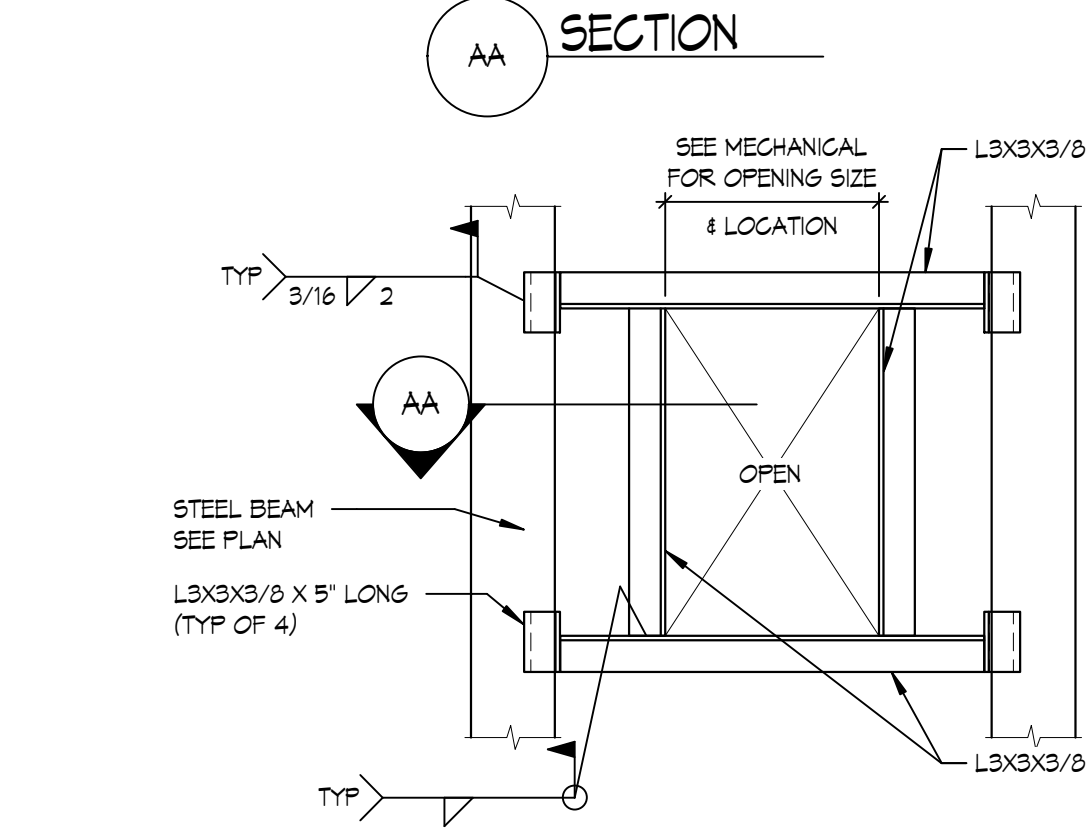
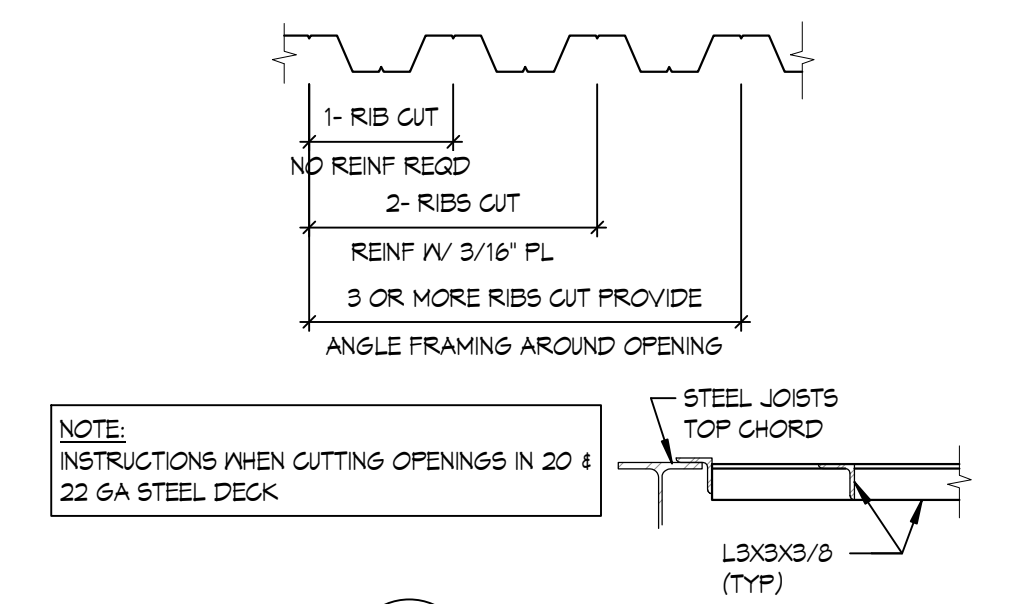
2 ROOF DECK FASTENING
S401 1" = 1'-0"



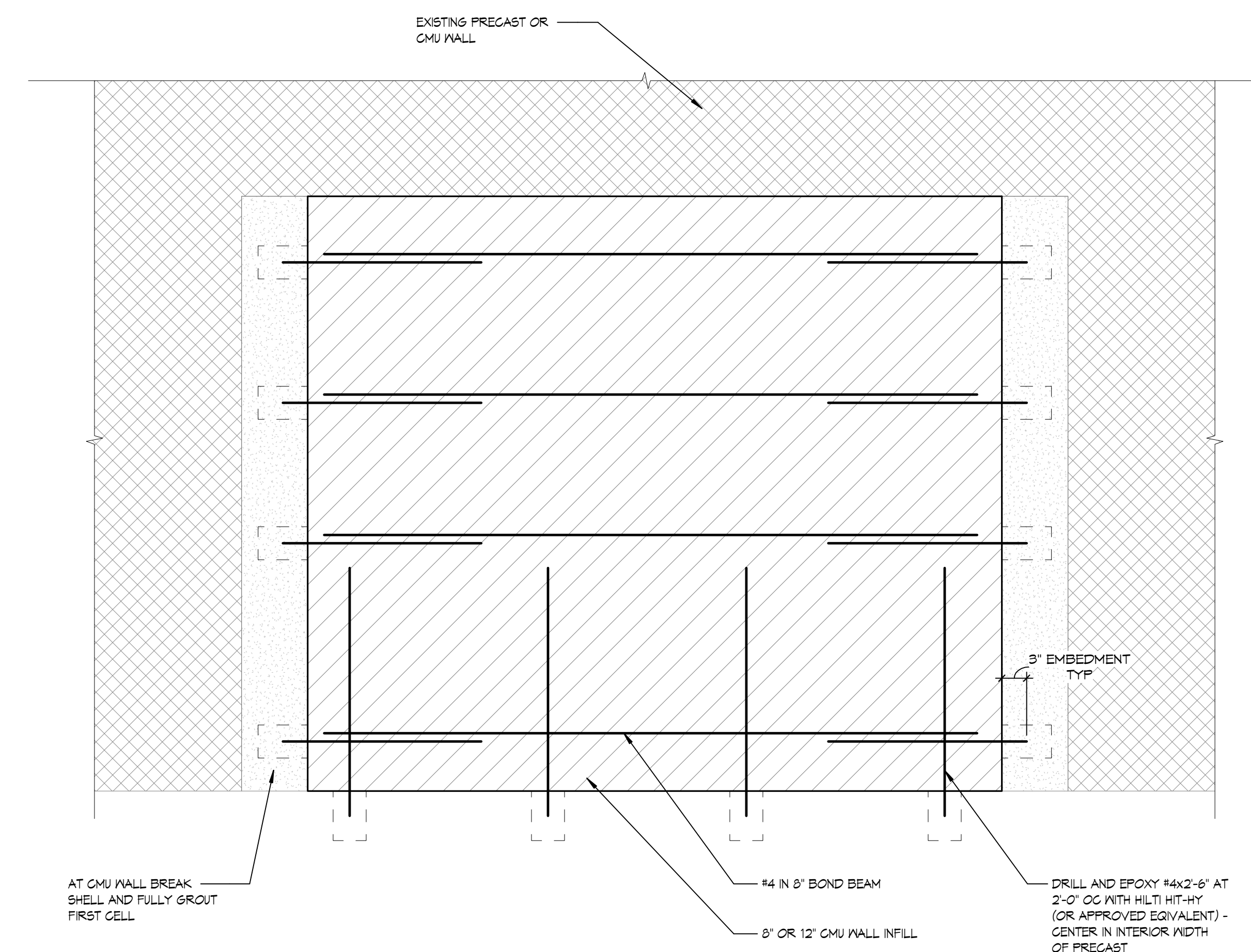
10 ROOF DECK EDGE CONDITION
S401 1" = 1'-0"



9 ROOF DECK EDGE CONDITION
S401 1" = 1'-0"

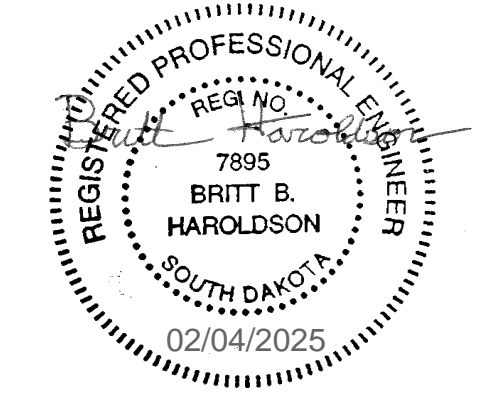


5 ANGLE FRAMING @ ROOF OPENING
S401 3/4" = 1'-0"



1 TYPICAL CMU WALL INFILL
S401 1" = 1'-0"

CO-OP PROJECT NO: 2351



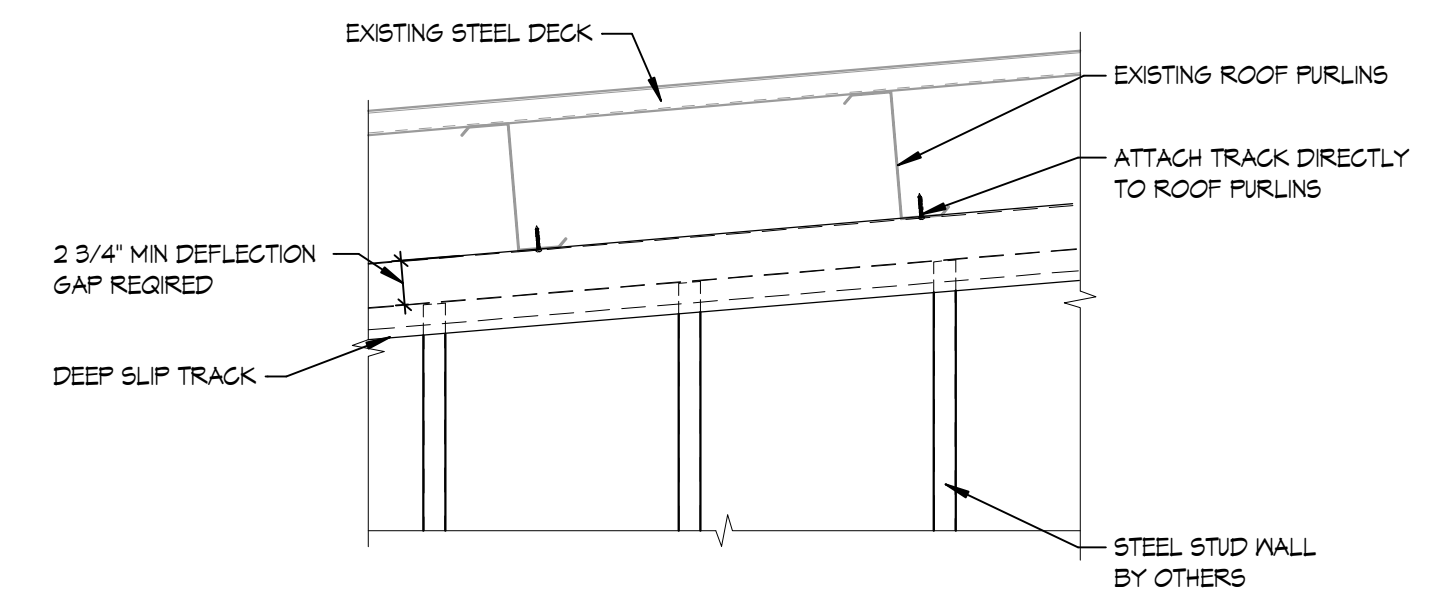
ISSUE: 02/04/2025 100% CONSTRUCTION DOCUMENTS

REVISION SCHEDULE:

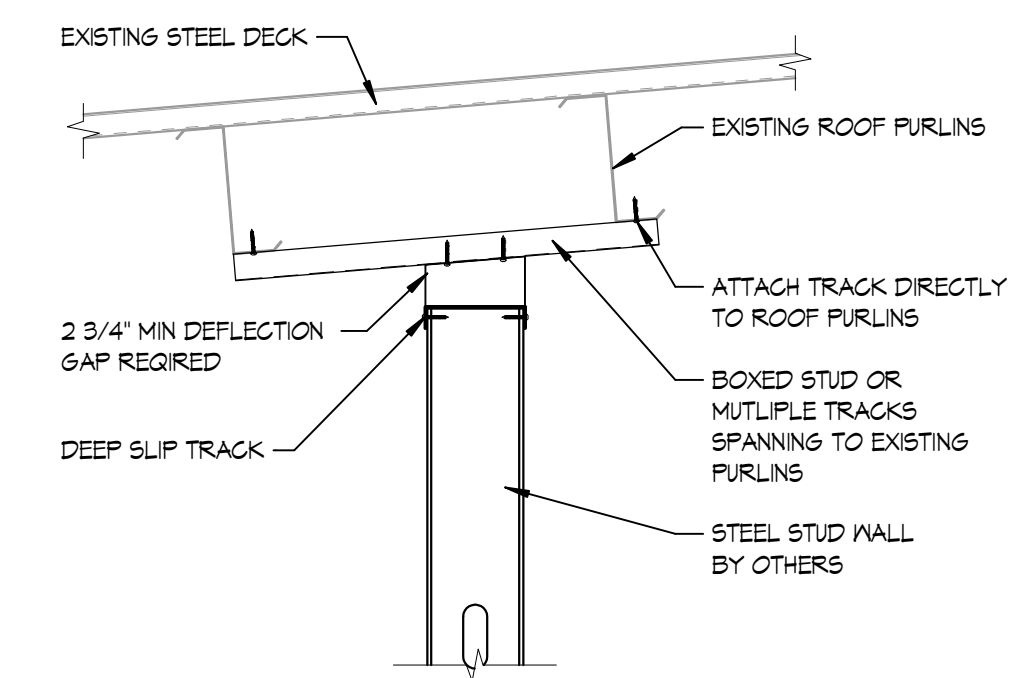
REV. #	REV. DSC.	REV. DATE

PROJECT: FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE: FRAMING DETAILS

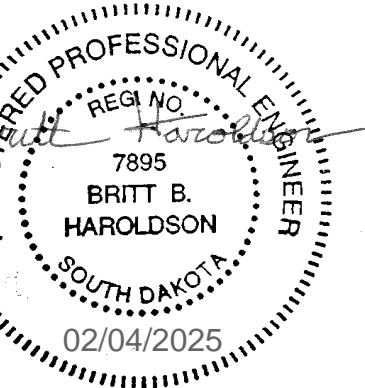


2 NON-BRG STEEL STUD WALL BRACING PERPENDICULAR TO PURLINS
S402 1" = 1'-0"



1 NON-BRG STEEL STUD WALL BRACING PARALLEL TO PURLINS
S402 1" = 1'-0"

CO-OP PROJECT NO: 2351



ISSUE:

02/04/2025 100% CONSTRUCTION DOCUMENTS

REVISION SCHEDULE:

REV. #	REV. DSC.	REV. DATE

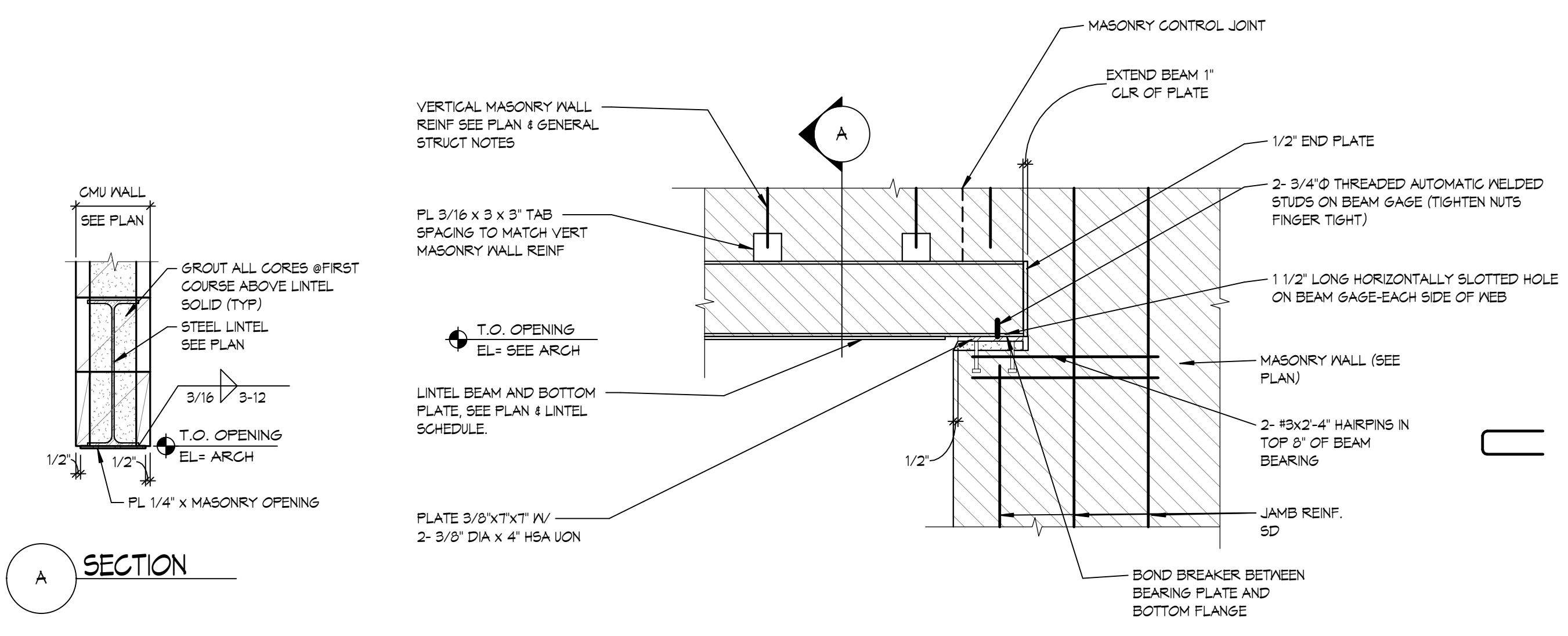
PROJECT:

FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

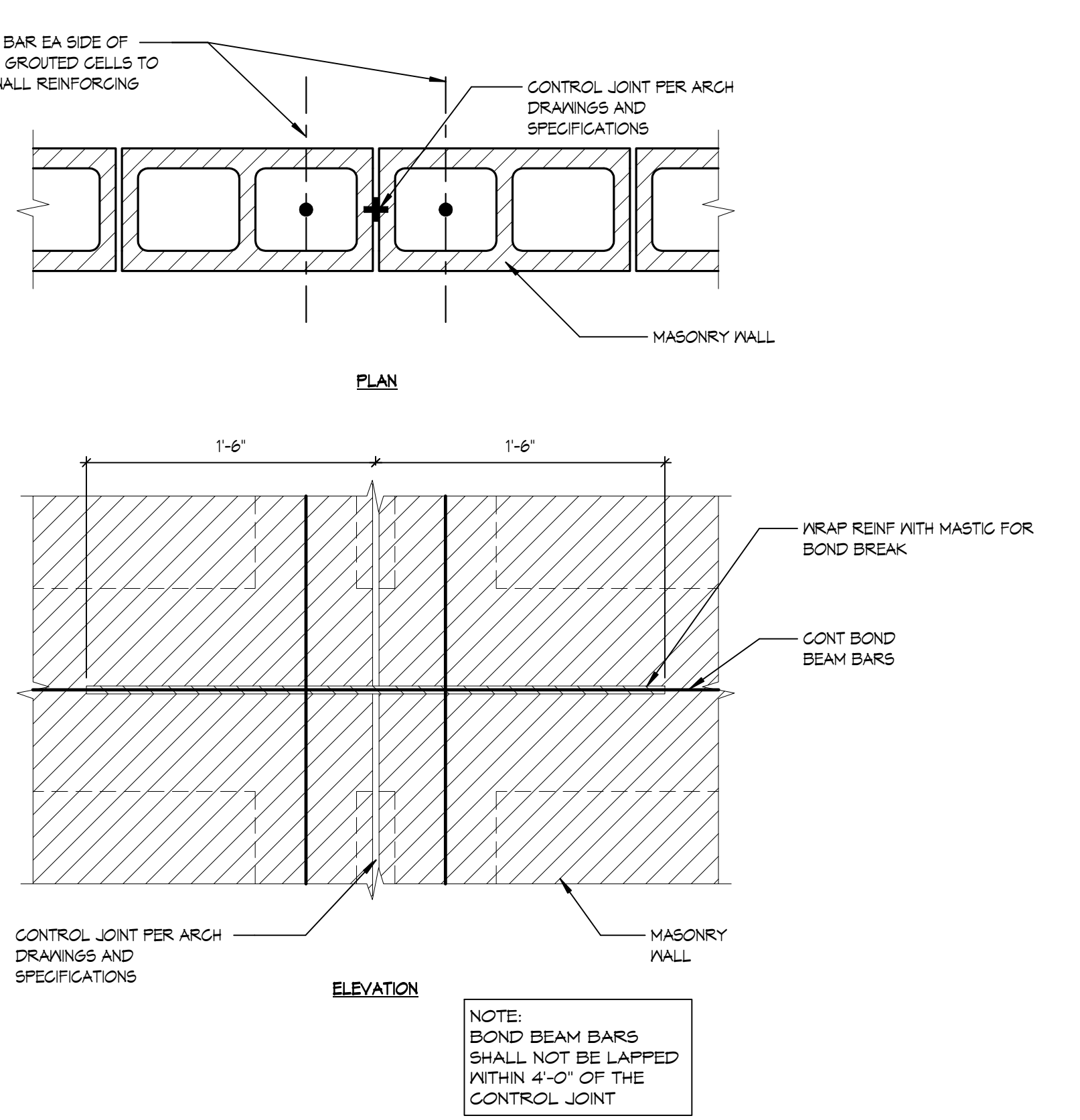
SHEET TITLE:

FRAMING DETAILS

S402

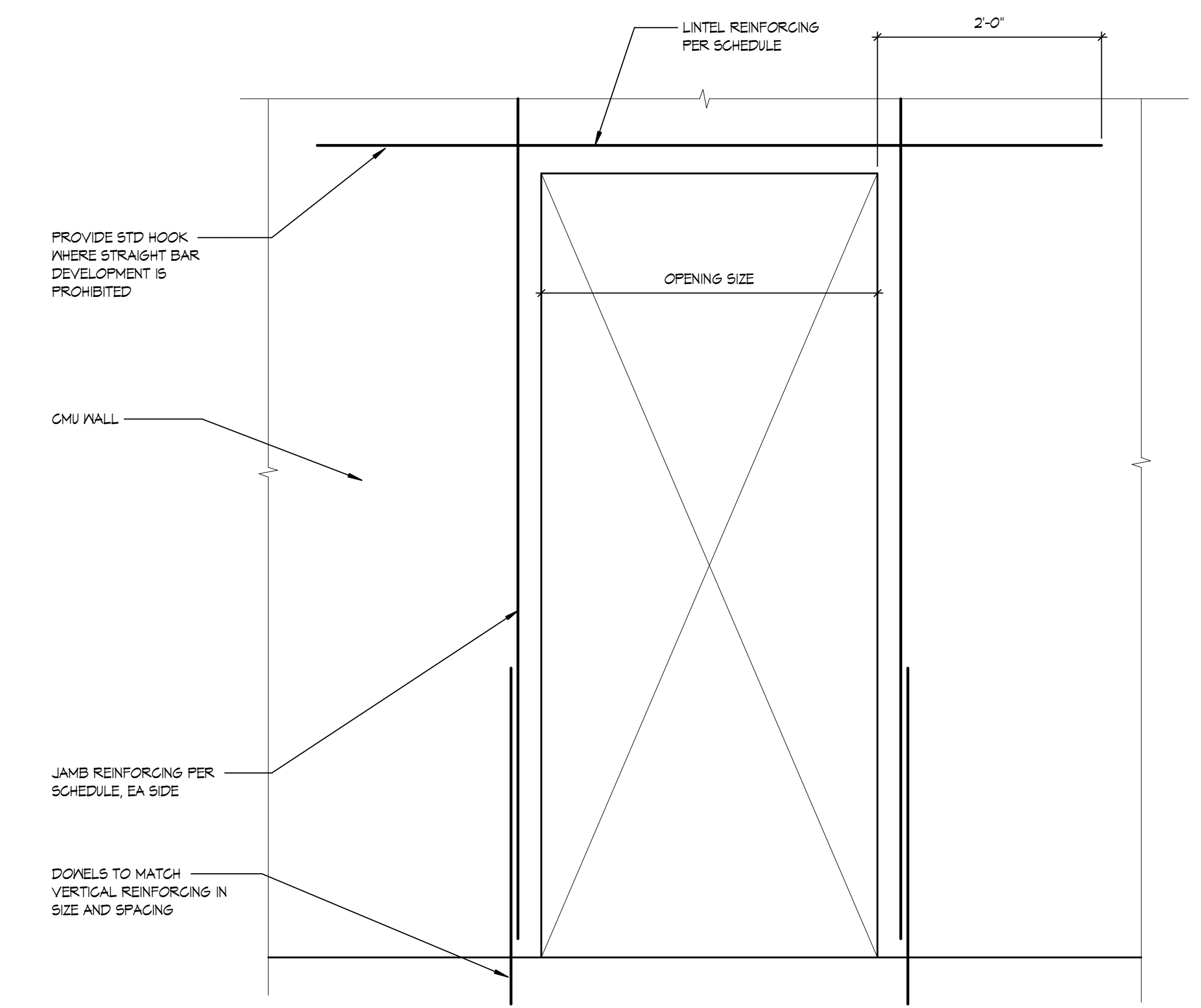


11 STEEL LINTEL BRG
5403 1" = 1'-0"

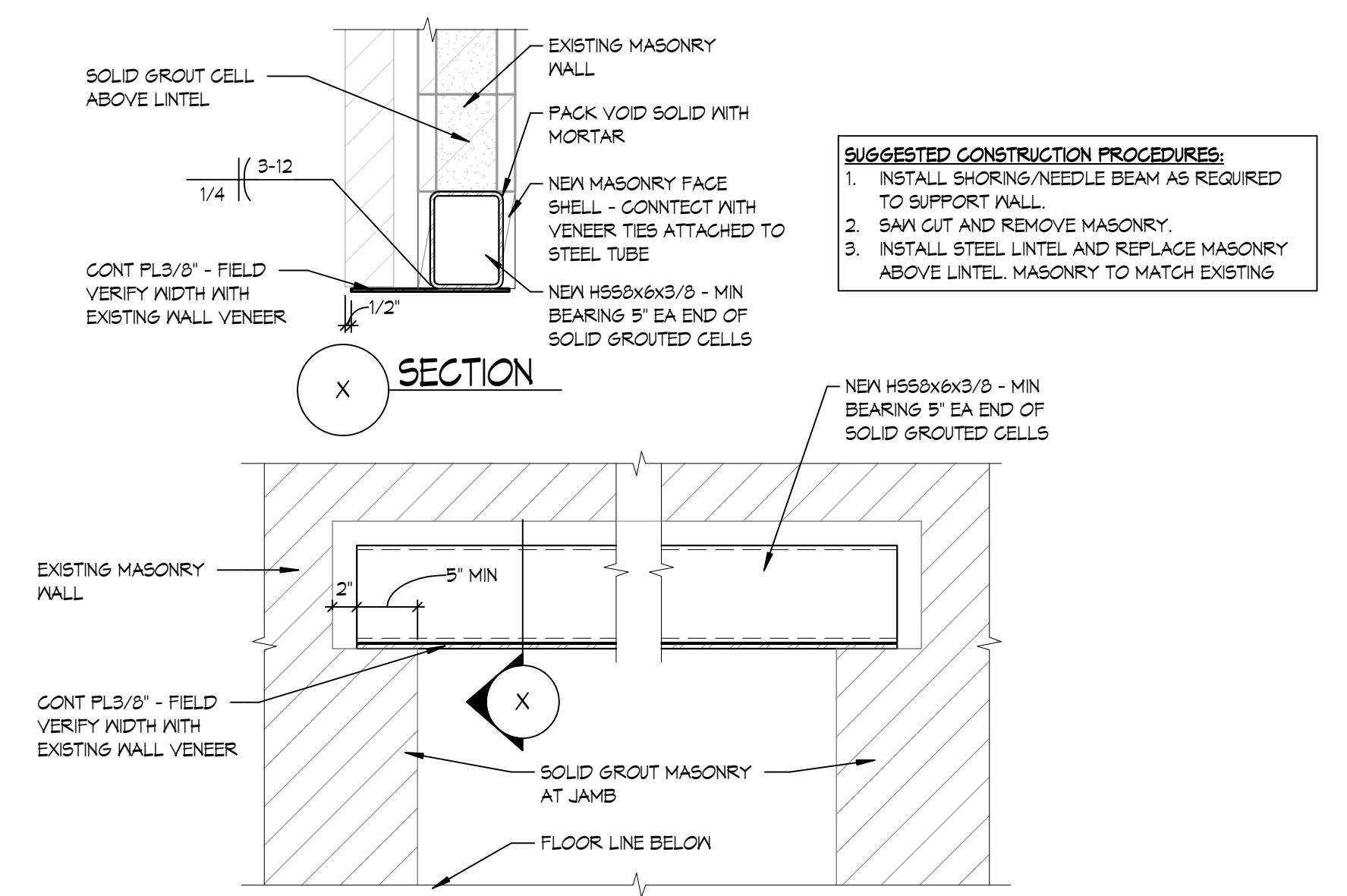


10 TYP CONTROL JOINT IN MASONRY WALL
5403 1 1/2" = 1'-0"

JAMB SCHEDULE	
OPENING WIDTH	REINFORCING
4'-0"	1- #5 IN 2 CELLS
4'-0" x 16'-0"	2- #5 IN 2 CELLS

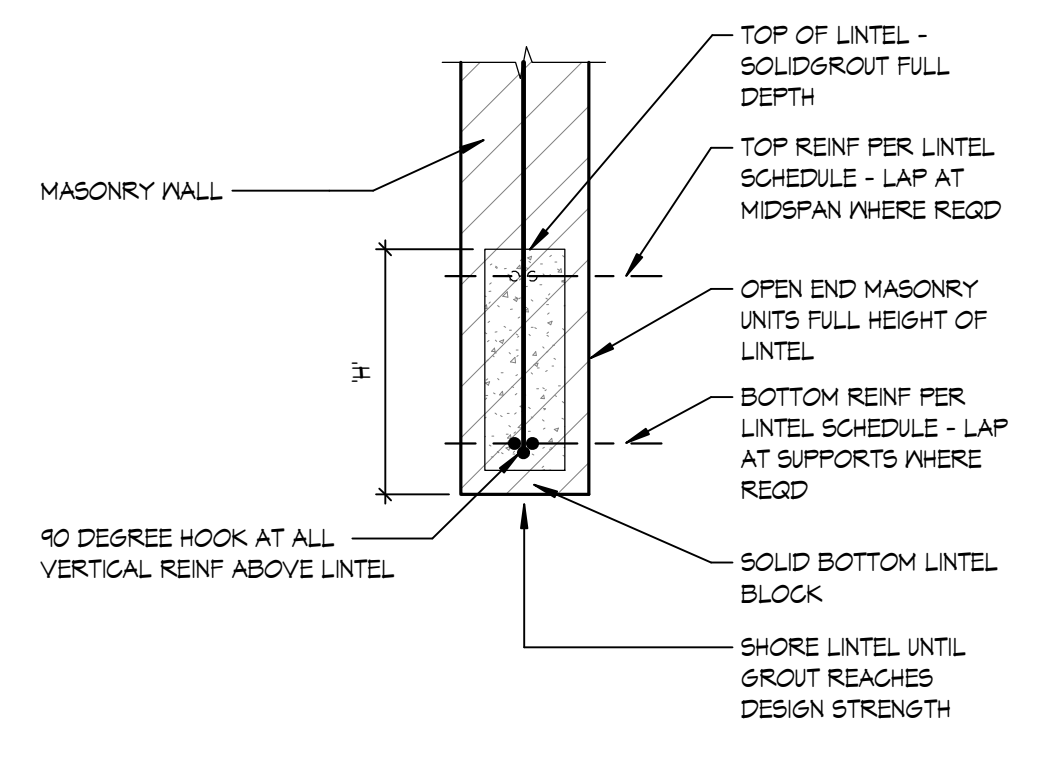


9 CMU WALL OPENINGS
5403 1" = 1'-0"



- SUGGESTED CONSTRUCTION PROCEDURES:**
1. INSTALL SHORING/NEEDLE BEAM AS REQUIRED TO SUPPORT WALL.
 2. SAW CUT AND REMOVE MASONRY.
 3. INSTALL STEEL LINTEL AND REPLACE MASONRY ABOVE LTEL. MASONRY TO MATCH EXISTING.

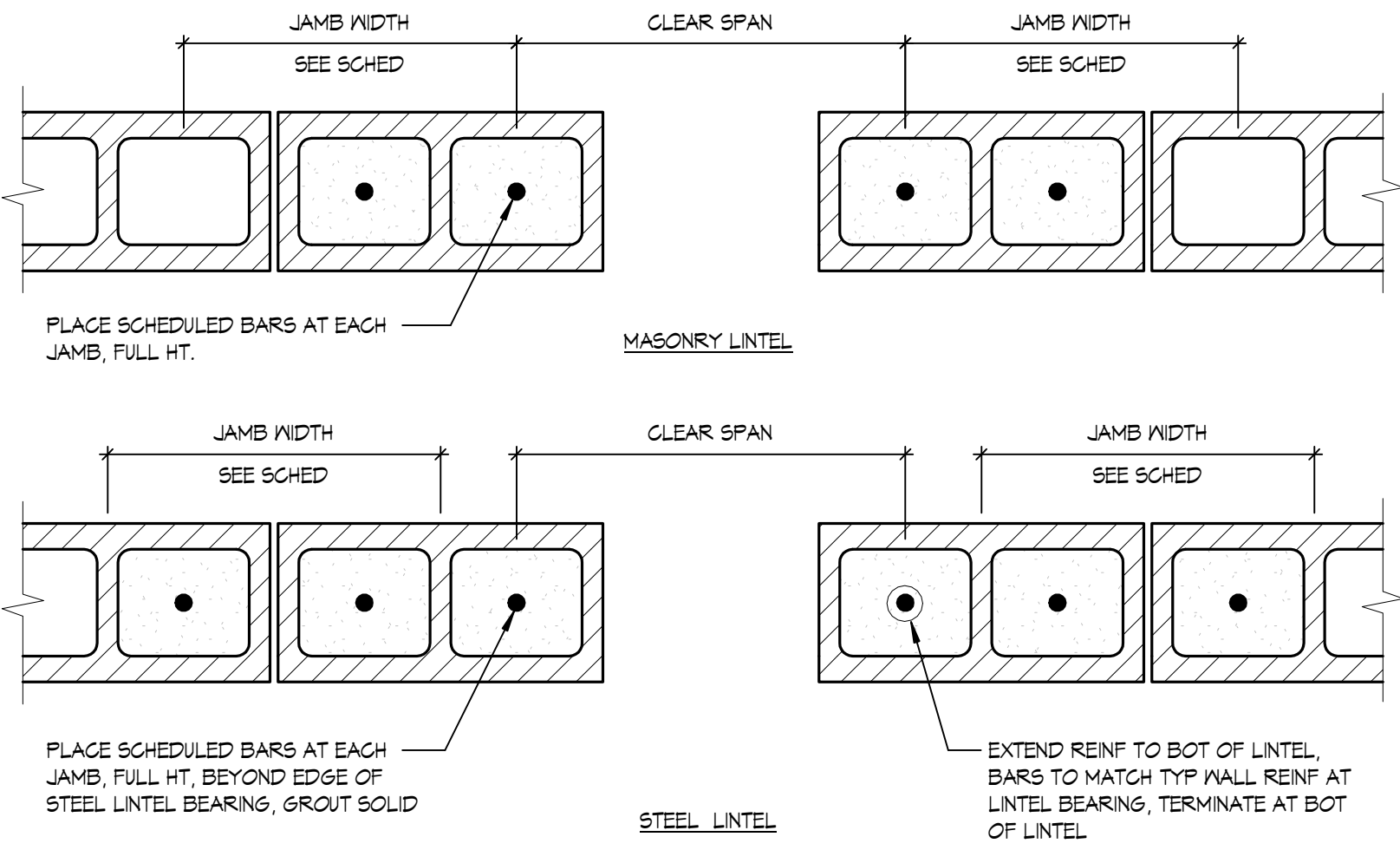
B NEW STEEL LINTEL @ EXIST CMU WALL
5403 1" = 1'-0"



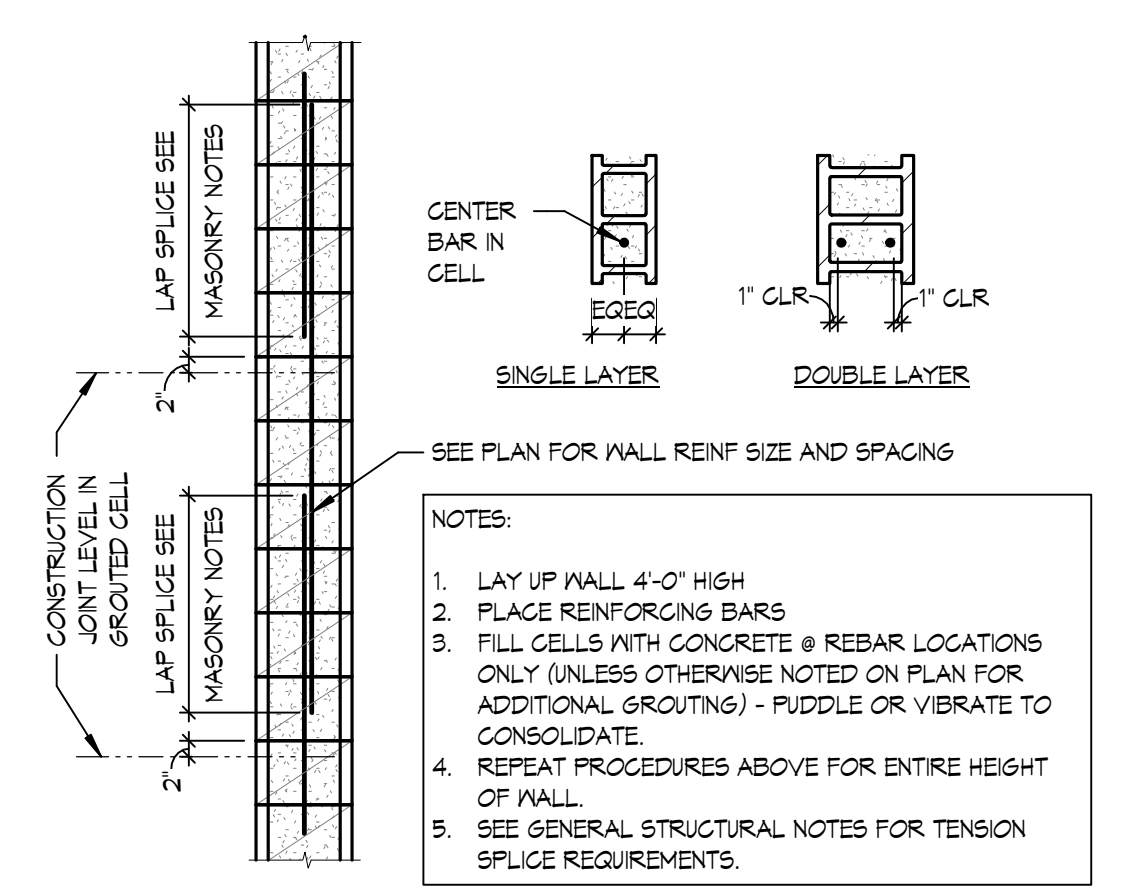
- NOTES:**
1. HEIGHT "H" PER LTEL SCHEDULE
 2. WHERE THE LTEL INTERSECTS AT PERPENDICULAR MASONRY WALL, BREAK OUT THE FACE SHELLS OF THE MASONRY WALL FULL HEIGHT OF THE LTEL - HOOK LTEL REIN 90 DEGREES AND GROUT SOLID
 3. EXTEND GROUT, MASONRY UNITS AND REINFORCING 2'-0" PAST EA JAMB.

T MASONRY LINTEL
5403 1" = 1'-0"

INTERIOR MASONRY WALL JAMB SCHEDULE		
LTEL CLEAR SPAN, L	REIN FULL HT WALL	JAMB WIDTH
L ≤ 4'-0"	1- #5	8"
4'-0" < L ≤ 8'-0"	2- #5	1'-4"
8'-0" < L ≤ 12'-0"	3- #5	2'-0"

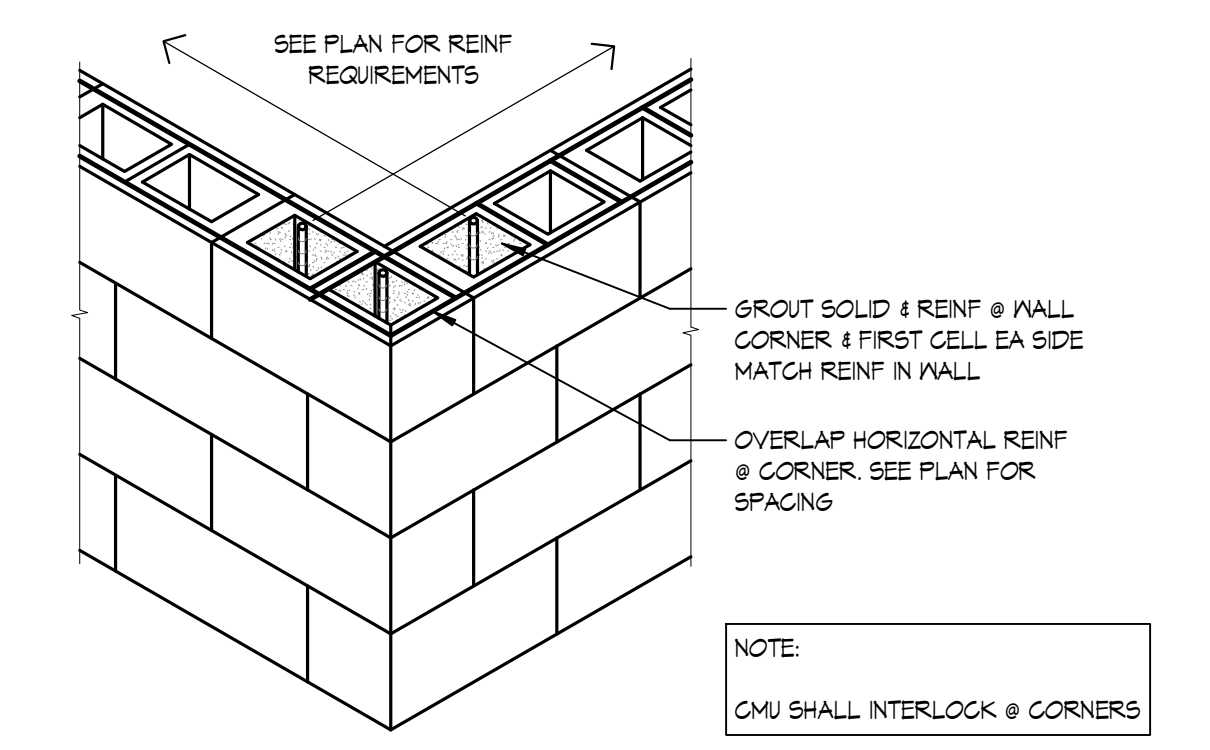


B TYP STRUCTURAL MASONRY JAMB SCHEDULE & DETAILS
5403 1 1/2" = 1'-0"

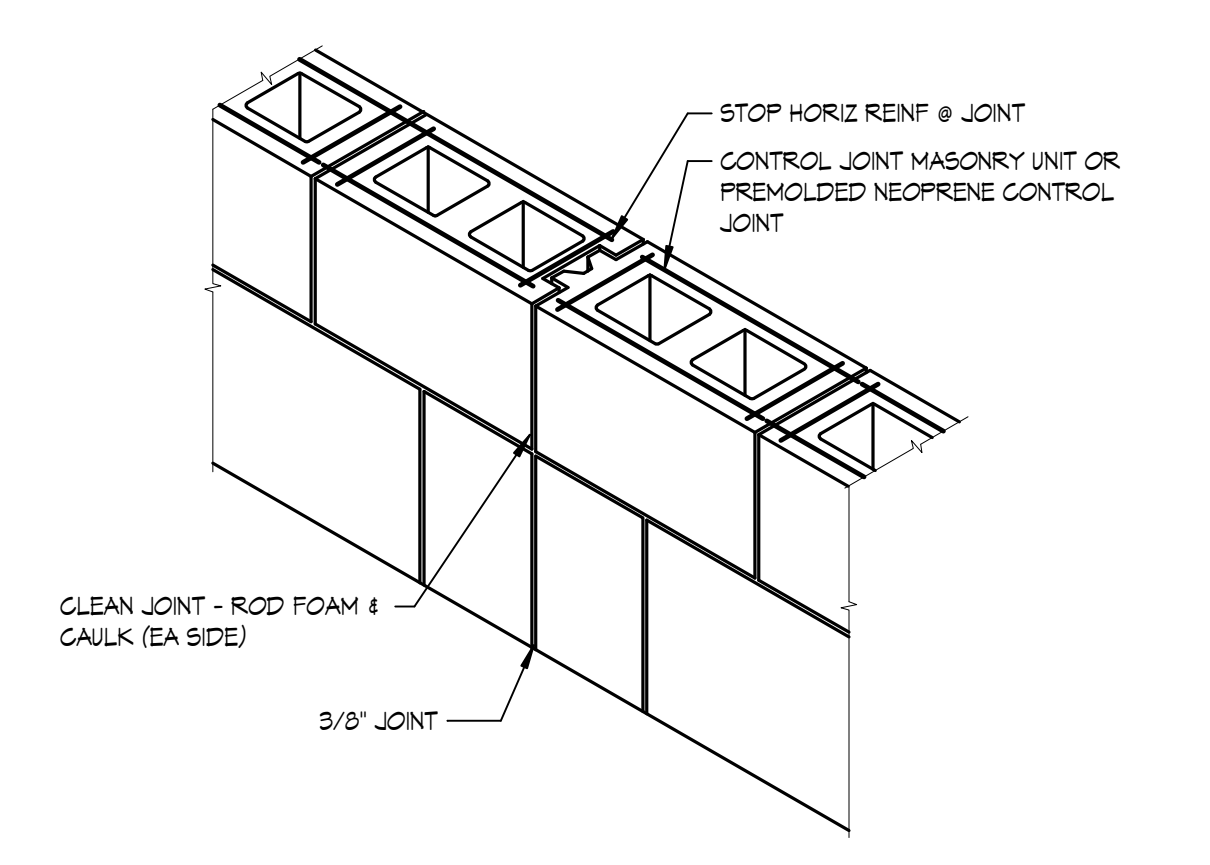


- NOTES:**
1. LAY UP WALL 4'-0" HIGH
 2. PLACE REINFORCING BARS
 3. FILL CELLS WITH CONCRETE @ REBAR LOCATIONS ONLY (UNLESS OTHERWISE NOTED ON PLAN FOR ADDITIONAL GROUTING) - PUDDLE OR VIBRATE TO CONSOLIDATE.
 4. REPEAT PROCEDURES ABOVE FOR ENTIRE HEIGHT OF WALL
 5. SEE GENERAL STRUCTURAL NOTES FOR TENSION SPLICE REQUIREMENTS.

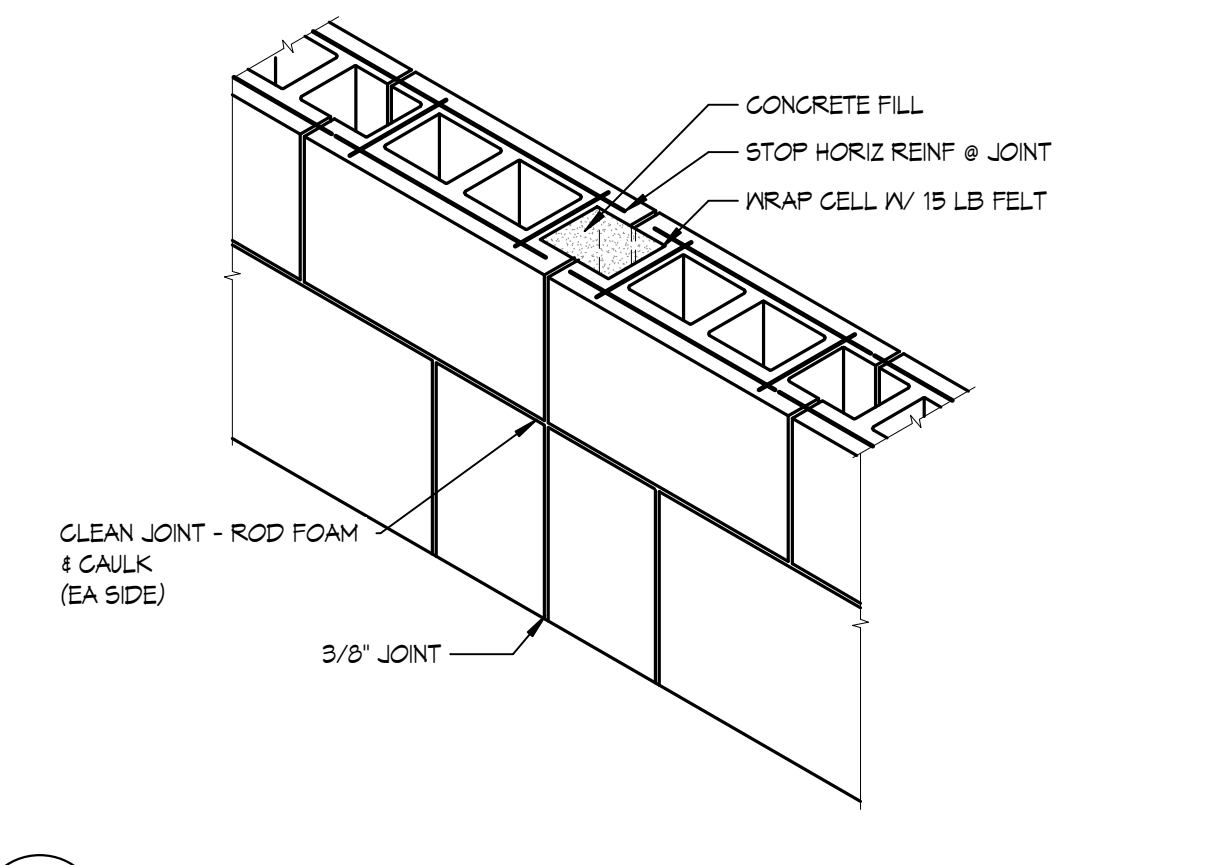
5 MASONRY WALL REINFORCEMENT
5403 1/2" = 1'-0"



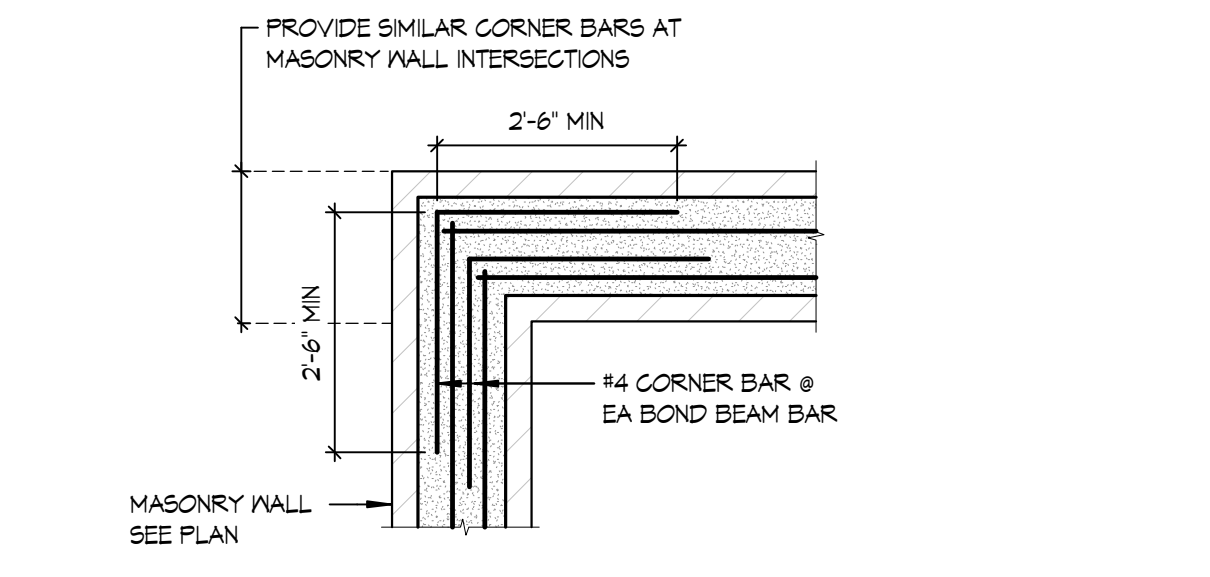
4 MASONRY WALL CORNER REINFORCEMENT
5403 1/2" = 1'-0"



3 MASONRY WALL CONTROL JOINT
5403 1/2" = 1'-0"

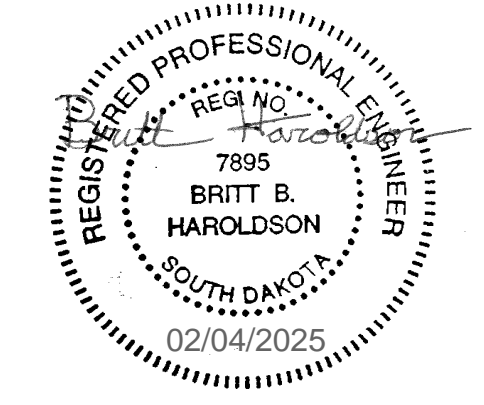


2 MASONRY WALL CONTROL JOINT
5403 1/2" = 1'-0"



1 MASONRY CORNER REINFORCING
5403 1/2" = 1'-0"

CO-OP PROJECT NO: 2351



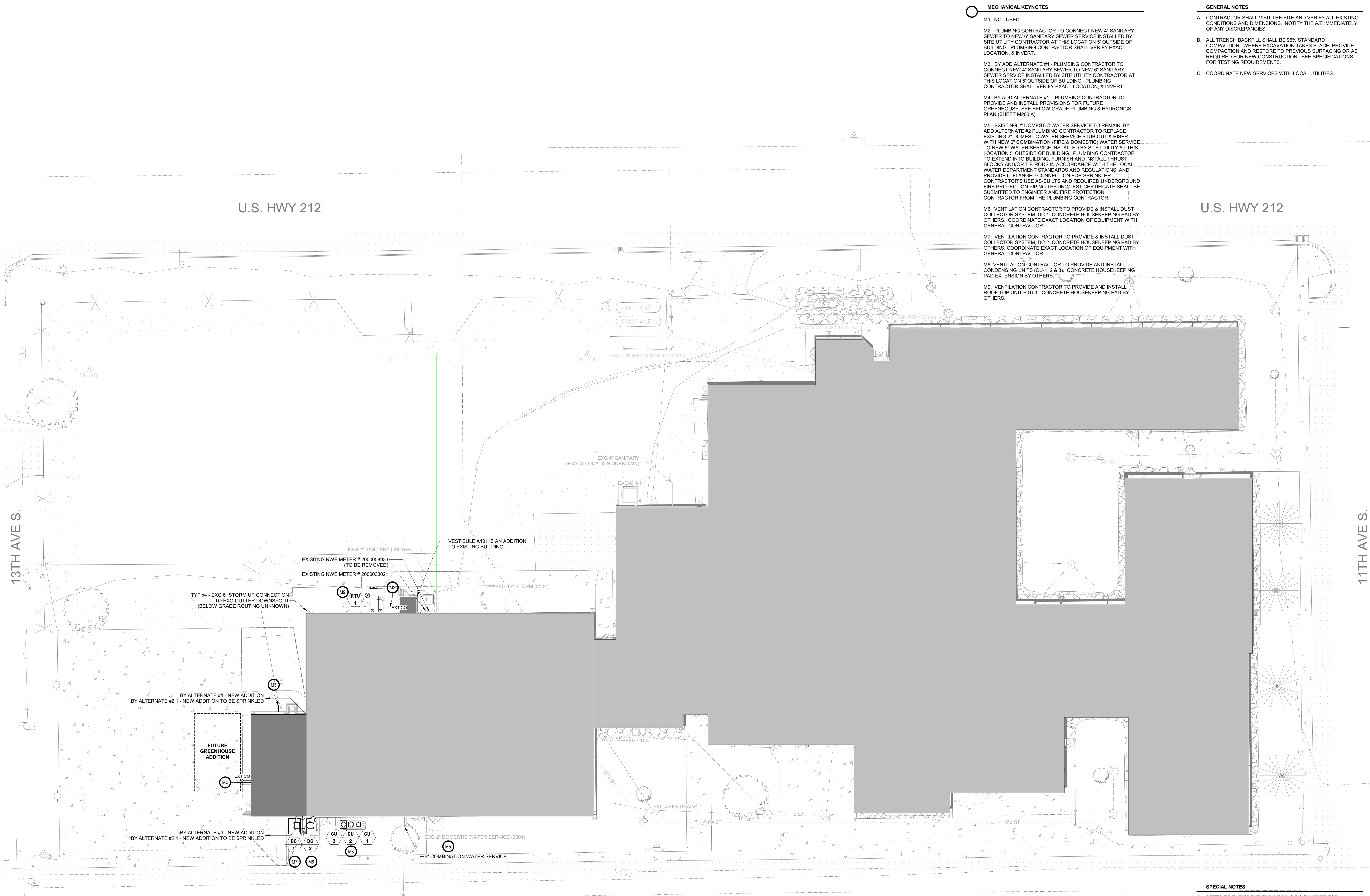
ISSUE:
02/04/2025 100% CONSTRUCTION DOCUMENTS

REVISION SCHEDULE:

REV. #	REV. DSC.	REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
FRAMING DETAILS



MECHANICAL KEYNOTES

- M1. NOT USED.
- M2. PLUMBING CONTRACTOR TO CONNECT NEW 4" SANITARY SEWER TO NEW 6" SANITARY SEWER SERVICE INSTALLED BY SITE UTILITY CONTRACTOR AT THIS LOCATION 5' OUTSIDE OF BUILDING. PLUMBING CONTRACTOR SHALL VERIFY EXACT LOCATION, & INVERT.
- M3. BY ADD ALTERNATE #1 - PLUMBING CONTRACTOR TO CONNECT NEW 4" SANITARY SEWER TO NEW 6" SANITARY SEWER SERVICE INSTALLED BY SITE UTILITY CONTRACTOR AT THIS LOCATION 5' OUTSIDE OF BUILDING. PLUMBING CONTRACTOR SHALL VERIFY EXACT LOCATION, & INVERT.
- M4. BY ADD ALTERNATE #1 - PLUMBING CONTRACTOR TO PROVIDE AND INSTALL PROVISIONS FOR FUTURE GREENHOUSE. SEE BELOW GRADE PLUMBING & HYDRONICS PLAN (SHEET M200 A).
- M5. EXISTING 2" DOMESTIC WATER SERVICE TO REMAIN. BY ADD ALTERNATE #2 PLUMBING CONTRACTOR TO REPLACE EXISTING 2" DOMESTIC WATER SERVICE TUB OUT & RISER WITH NEW 6" COMBINATION (FIRE & DOMESTIC) WATER SERVICE TO NEW 6" WATER SERVICE INSTALLED BY SITE UTILITY AT THIS LOCATION 5' OUTSIDE OF BUILDING. PLUMBING CONTRACTOR TO EXTEND INTO BUILDING, FURNISH AND INSTALL THRUST BLOCKS AND/OR TIE-RODS IN ACCORDANCE WITH THE LOCAL WATER DEPARTMENT STANDARDS AND REGULATIONS, AND PROVIDE 6" FLANGED CONNECTION FOR SPRINKLER CONTRACTOR'S USE AS-BUILTS AND REQUIRED UNDERGROUND FIRE PROTECTION PIPING TESTING TEST CERTIFICATE SHALL BE SUBMITTED TO ENGINEER AND FIRE PROTECTION CONTRACTOR FROM THE PLUMBING CONTRACTOR.
- M6. VENTILATION CONTRACTOR TO PROVIDE & INSTALL DUST COLLECTOR SYSTEM, DC-1. CONCRETE HOUSEKEEPING PAD BY OTHERS. COORDINATE EXACT LOCATION OF EQUIPMENT WITH GENERAL CONTRACTOR.
- M7. VENTILATION CONTRACTOR TO PROVIDE & INSTALL DUST COLLECTOR SYSTEM, DC-2. CONCRETE HOUSEKEEPING PAD BY OTHERS. COORDINATE EXACT LOCATION OF EQUIPMENT WITH GENERAL CONTRACTOR.
- M8. VENTILATION CONTRACTOR TO PROVIDE AND INSTALL CONDENSING UNITS (CU-1, 2 & 3). CONCRETE HOUSEKEEPING PAD EXTENSION BY OTHERS.
- M9. VENTILATION CONTRACTOR TO PROVIDE AND INSTALL ROOF TOP UNIT RTU-1. CONCRETE HOUSEKEEPING PAD BY OTHERS.

GENERAL NOTES

- A. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY THE A/E IMMEDIATELY OF ANY DISCREPANCIES.
- B. ALL TRENCH BACKFILL SHALL BE 95% STANDARD COMPACTION. WHERE EXCAVATION TAKES PLACE, PROVIDE COMPACTION AND RESTORE TO PREVIOUS SURFACING OR AS REQUIRED FOR NEW CONSTRUCTION. SEE SPECIFICATIONS FOR TESTING REQUIREMENTS.
- C. COORDINATE NEW SERVICES WITH LOCAL UTILITIES.

ELECTRICAL & MECHANICAL SITE PLAN
1" = 20'-0"

SPECIAL NOTES

- 1. REFER TO THE FRONT END BIDDING DOCUMENTS FOR DESCRIPTION OF ALTERNATES.
- 2. CLARIFICATION TO THE BIDDING - ANY ELECTRIC UTILITY COSTS FROM NORTHWESTERN ENERGY WILL BE PAID DIRECTLY BY THE OWNER AND SHALL NOT BE INCLUDED AS PART OF THE CONTRACT.
- 3. CIVIL UTILITIES ARE NOT SHOWN. REFER TO CIVIL ENGINEERS PLANS FOR INFORMATION.

CO Arch OP

1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

601 Kansas City St. 7
Rapid City, SD 57701
Phone: 605-716-3652

440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

co-oparch.com

SICHMELLER ENGINEERING

Mechanical & Electrical Engineering

801 Railroad Ave. SE
Aberdeen, SD 57401
Phone: 605-225-4344

www.siceng.biz

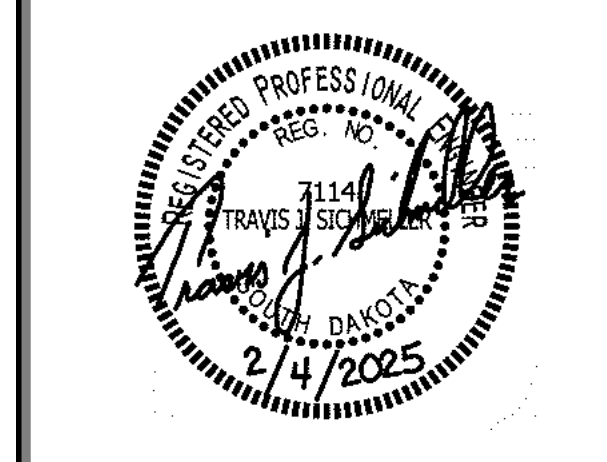
PDE

Professional Design Engineers

48371 265th Street
Brandon, SD 57005
(605)582-5717 (605)941-3337



SE PROJECT NO: 241000845



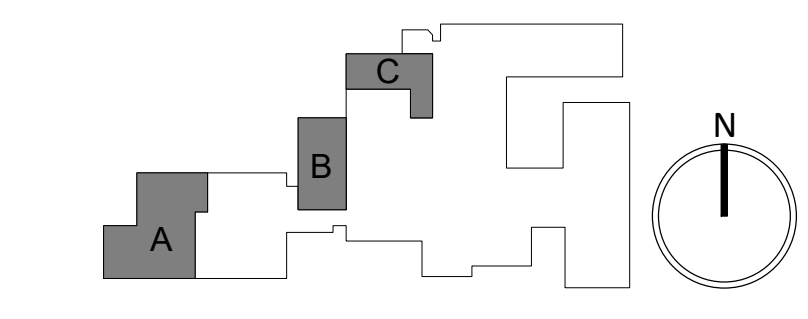
ISSUE:
2/4/25 100% CD'S

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

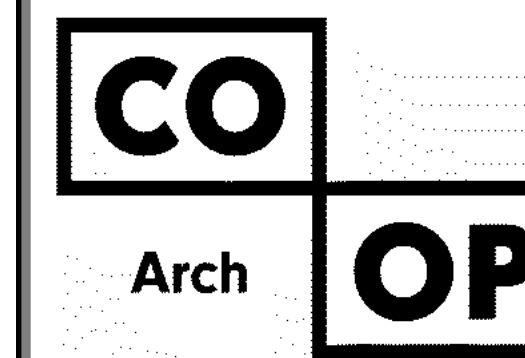
SHEET TITLE:
ELECTRICAL & MECHANICAL
SITE PLAN

EM101



GENERAL NOTES:

A. FRESH AIR INTAKES TO BE MINIMUM 10' FROM ANY EXHAUST TERMINATION.



1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

601 Kansas City St. 7
Rapid City, SD 57701
Phone: 605-716-3652

440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

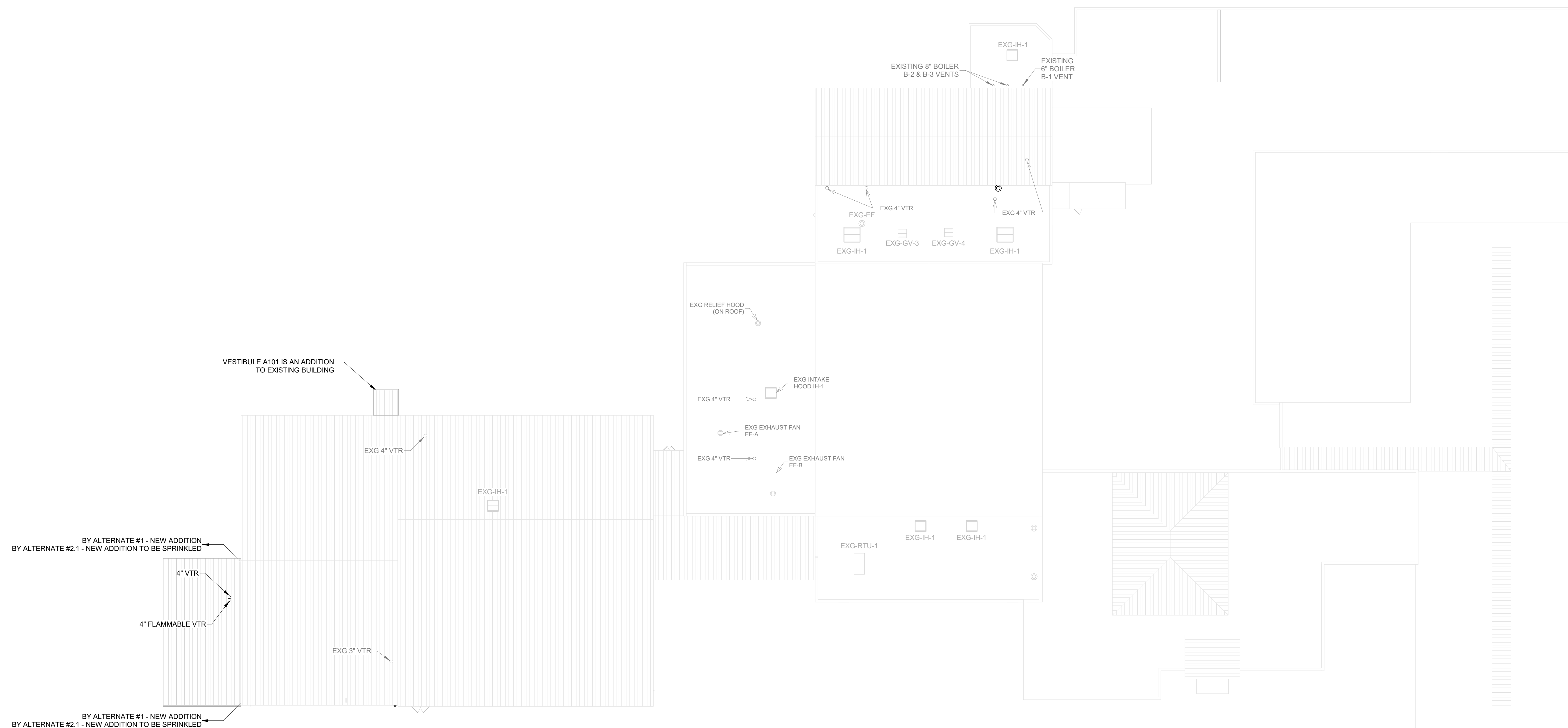
co-oparch.com

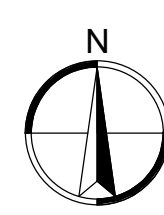
SICHMELLER ENGINEERING

Mechanical & Electrical Engineering

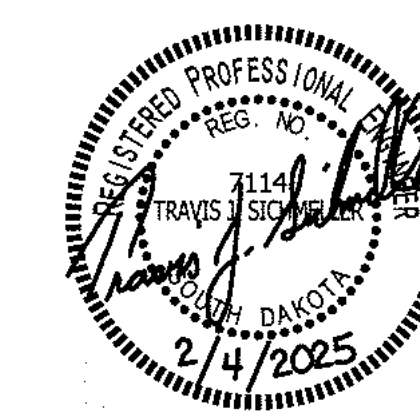
801 Railroad Ave. SE
Aberdeen, SD 57401
Phone: 605-225-4344

www.siceng.biz



 MECHANICAL ROOF PLAN
1" = 20'-0"

SE PROJECT NO: 241000845

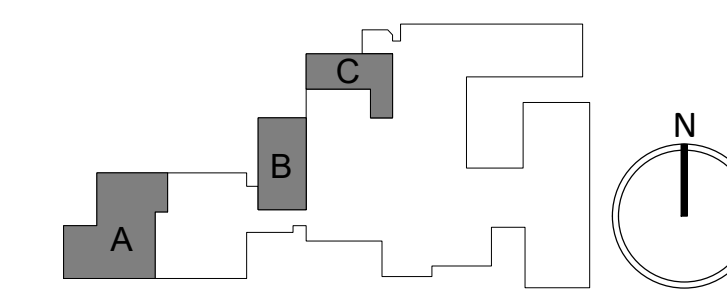


ISSUE:
2/4/25 100% CD'S
REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
MECHANICAL ROOF PLAN

M102



DEMOLITION GENERAL NOTES:

A. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES, INCLUDING ANY NECESSARY DEMOLITION.

B. REMOVE MECHANICAL EQUIPMENT IN THE AREAS SHOWN ON THE PLAN, DISCONNECT SERVICES AND REMOVE TO A POINT OUT OF THE WAY OF THE GENERAL DEMOLITION. MARK ON THE PLAN TO CLEARLY SHOW WHERE THESE SERVICES ARE STOPPED. DEMOLITION WORK SHALL BE COORDINATED WITH THE OWNER. SHOULD QUESTIONS ARISE REGARDING THE REMOVAL OF EQUIPMENT, CONFER WITH THE OWNER BEFORE SUCH EQUIPMENT IS DEMOLISHED. MATERIALS REMOVED BY DEMOLITION SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE SPECIFICALLY NOTED. MATERIAL THE OWNER DOES NOT WISH TO RETAIN SHALL BE REMOVED AND DISPOSED OF PROPERLY BY THE CONTRACTOR.

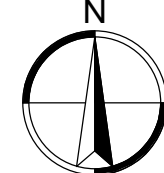
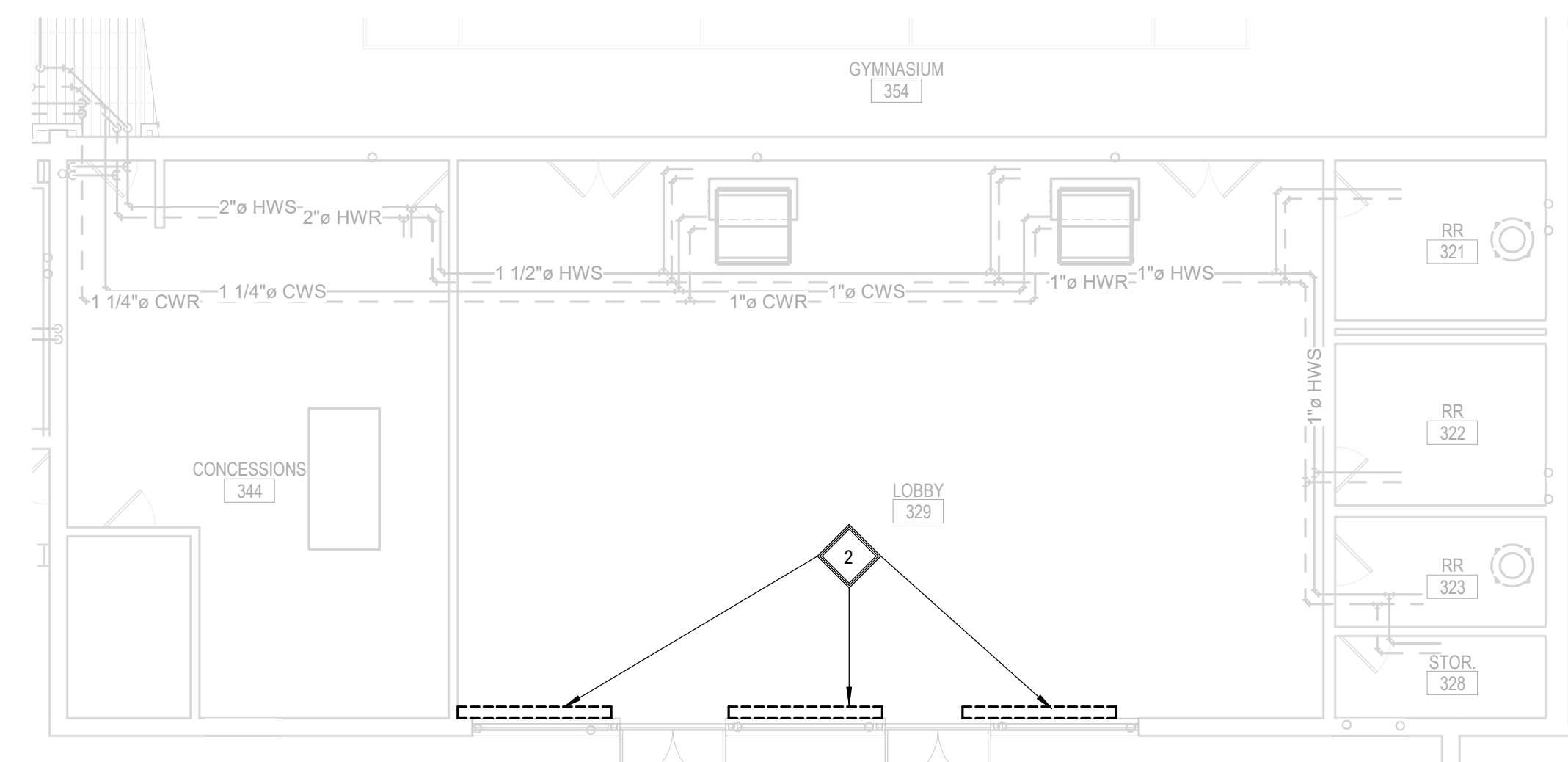
C. EQUIPMENT SHOWN ON DRAWINGS AS EXISTING IS BASED ON EXISTING PLANS AND LIMITED FIELD INVESTIGATION. THE FIELD SURVEY WAS CONDUCTED TO VERIFY, AS MUCH AS POSSIBLE, THE ACCURACY OF THE LOCATIONS SHOWN. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THE "EXISTING CONDITIONS" AS SHOWN ON THE DRAWINGS AS THE DEMOLITION WORK PROGRESSES. PERFORM MODIFICATIONS AND ADDITIONS AS NECESSARY TO CORRECT FOR THESE HIDDEN CONDITIONS AND ALLOW FOR THE COMPLETION OF THE NEW WORK.

D. THE EXISTING BUILDING WILL BE IN USE DURING THIS CONSTRUCTION. SCHEDULE AND CARRY OUT THE WORK IN SUCH A MANNER AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTIONS. TEMPORARY SERVICES SHALL BE INSTALLED IF ONE PHASE OF CONSTRUCTION DISRUPTS SERVICE TO ANOTHER AREA OF THE BUILDING OR IF EQUIPMENT HAS TO BE RELOCATED TO ALLOW CONSTRUCTION TO PROGRESS. SERVICE INTERRUPTIONS SHALL BE CONFINED TO THE SMALLEST AREA POSSIBLE AT ANY ONE TIME AND INTERRUPTIONS SHALL BE SCHEDULED WITH THE OWNER'S SITE REPRESENTATIVE. AFTER SERVICE HAS BEEN RESTORED FOLLOWING AN INTERRUPTION, INSPECT AREAS AFFECTED BY THE INTERRUPTION AND BE RESPONSIBLE FOR RETURNING AUTOMATICALLY CONTROLLED EQUIPMENT TO THE SAME OPERATING CONDITION WHICH EXISTED PRIOR TO THE INTERRUPTION.

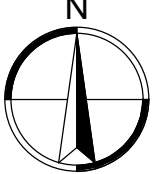
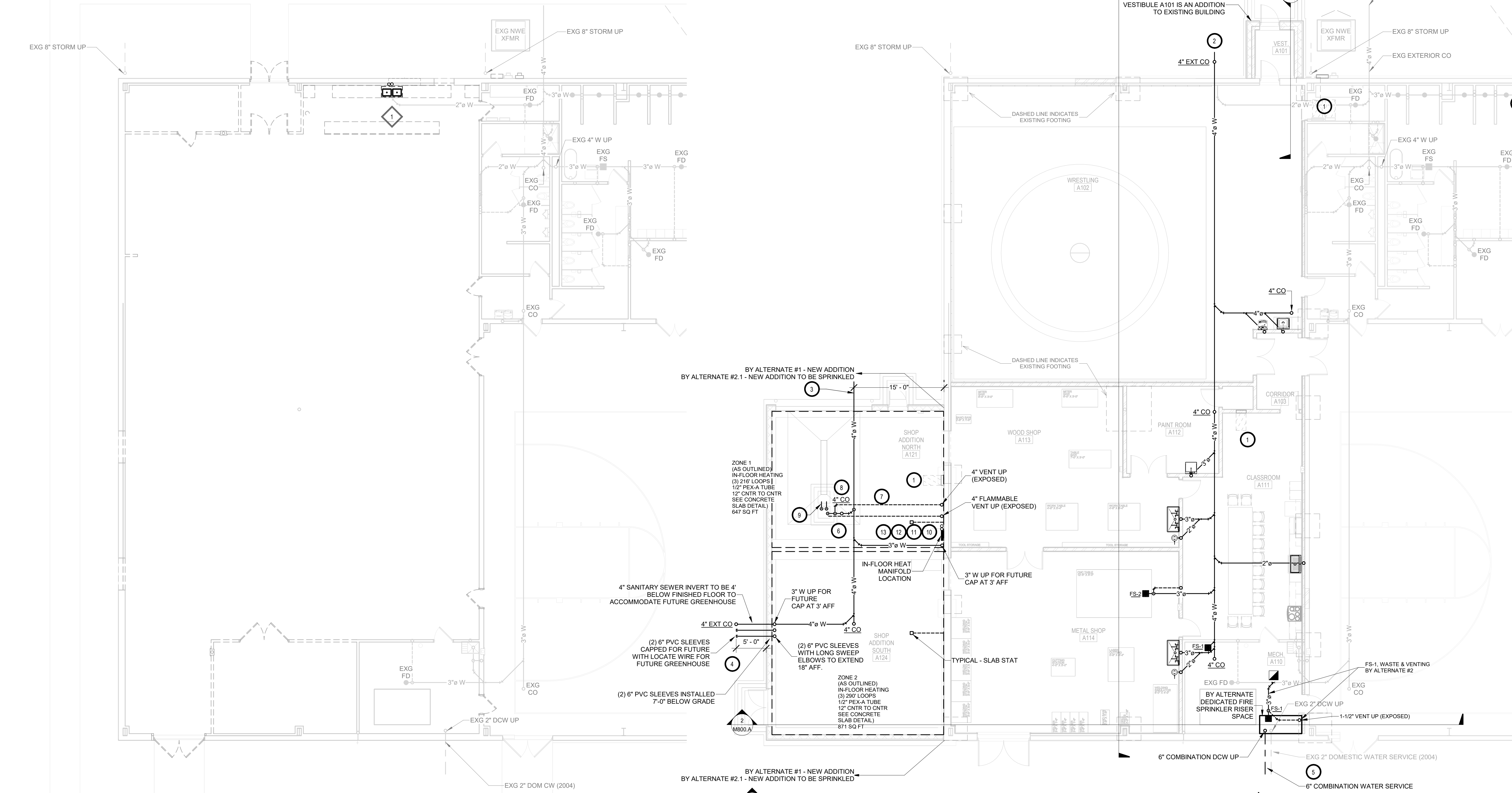
E. PROVIDE PENETRATIONS TO THE BUILDING STRUCTURE AS REQUIRED FOR INSTALLATION, WHERE EXISTING OR TEMPORARY SYSTEMS ARE BEING DEMOLISHED, WHICH LEAVE OPENINGS IN THE EXISTING BUILDING STRUCTURE, THE BUILDING STRUCTURE SHALL BE PATCHED TO MATCH THE EXISTING CONSTRUCTION AND MAINTAIN THE EXISTING BUILDING FIRE RATINGS.

DEMOLITION KEYNOTES:

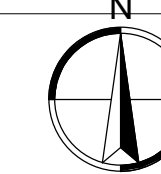
1. PC TO DISCONNECT AND REMOVE EXISTING PLUMBING FIXTURE, FLOOR DRAIN, WASTE, VENTING, DOMESTIC WATER PIPING SHOWN DARK AND DASHED, NATURAL GAS (AS NEEDED) AND INSTALL CAP NEAR MAINS. ALL EXISTING SANITARY WASTE PIPING TO BE REMOVED UP THRU FLOOR AND CAPPED. FLOOR PATCHING BY PC.
2. PC TO DISCONNECT AND REMOVE EXISTING ABANDONED FINNED TUBE RADIATION AND ASSOCIATED PIPING WITHIN TUNNEL. GC TO PATCH EXISTING FLOOR.



ENTRY DOOR - ALTERNATE #3 ABOVE GRADE PLUMBING & HYDRONICS DEMOLITION PLAN
1/8" = 1'-0"



AREA A - FIRST FLOOR - BELOW GRADE PLUMBING DEMOLITION PLAN
1/8" = 1'-0"



AREA A - FIRST FLOOR - BELOW GRADE PLUMBING PLAN
1/8" = 1'-0"

GENERAL NOTES:

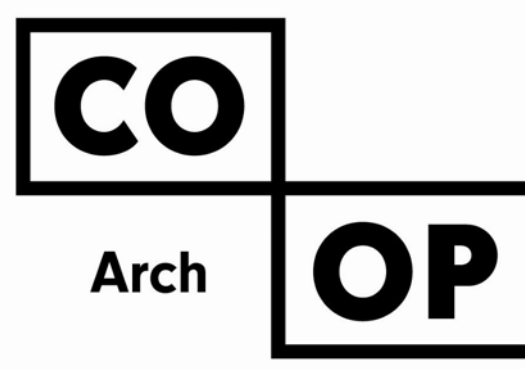
- ALL WORK SHALL BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER.
- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING ANY OPENINGS LEFT IN FLOORS, WALLS, AND CEILINGS THAT WERE CAUSED BY HISHER ACTIONS. PATCHING SHALL MATCH EXISTING SURFACE IN COLOR, TEXTURE AND QUALITY SO THAT PATCH IS INDISTINGUISHABLE FROM ORIGINAL SURFACE.
- ALL PENETRATIONS THROUGH DRAFT STOPS AND OTHER FIRE-RATED PARTITIONS SHALL BE FIRE STOPPED AS PER SPECIFICATIONS AND LOCAL CODES.
- ALL MECHANICAL WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, NATIONAL PLUMBING REGULATIONS, AND THE AUTHORITY HAVING JURISDICTION.
- THE MECHANICAL DRAWINGS SHOW GENERAL ARRANGEMENT ONLY. EXACT LOCATION SHALL AVOID INTERFERENCE WITH ELECTRICAL EQUIPMENT & REQUIRED ELECTRICAL CLEARANCES.
- CONTRACTOR SHALL COORDINATE ALL PLUMBING WITH LIGHT FIXTURES, HVAC, FIRE SPRINKLER, AND STRUCTURAL TO ACCOMMODATE LIMITED CEILING SPACE.
- FRESH AIR INTAKES TO BE MINIMUM 10' FROM ANY EXHAUST TERMINATION.
- ALL FLOOR EQUIPMENT SHALL BE SET ON 4" HIGH CONCRETE BASES FURNISHED BY THIS CONTRACTOR.
- CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY THE A/E IMMEDIATELY OF ANY DISCREPANCIES.
- COORDINATE NEW SERVICES WITH LOCAL UTILITIES.
- PLUMBING CONTRACTOR TO PROVIDE VENTING FOR ALL FLOOR DRAINS, TRENCH DRAINS, AND FLOOR SINKS AS SHOWN OR AS REQUIRED BY CODE.
- THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR THE TESTING & CLEANING OF EACH RESPECTIVE SYSTEM IN ACCORDANCE WITH APPLICABLE STATE & LOCAL CODES. TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE AUTHORITY HAVING JURISDICTION. WRITTEN NOTIFICATION OF TEST DATE, AND RESULTS SHALL BE FURNISHED TO THE ENGINEER BEFORE CONCALING OR COVERING THE INSTALLATION. TESTS SHALL BE REPEATED UNTIL EACH SYSTEM IS PROVEN ACCEPTABLE.

KEYNOTES:

- THIS SPACE IS RESERVED FOR ELECTRICAL GEAR. PIPING AND EQUIPMENT SHALL NOT BE LOCATED IN FRONT OF OR ROUTED ABOVE ELECTRICAL PANELS. COORDINATE WITH DIVISION 26.
- PLUMBING CONTRACTOR TO CONNECT NEW 4" SANITARY SEWER TO NEW 6" SANITARY SEWER SERVICE INSTALLED BY SITE UTILITY CONTRACTOR AT THIS LOCATION 5' OUTSIDE OF BUILDING. PLUMBING CONTRACTOR SHALL VERIFY EXACT LOCATION, & INVERT.
- BY ADD ALTERNATE #1 - PLUMBING CONTRACTOR TO CONNECT NEW 4" SANITARY SEWER TO NEW 6" SANITARY SEWER SERVICE INSTALLED BY SITE UTILITY CONTRACTOR AT THIS LOCATION 5' OUTSIDE OF BUILDING. PLUMBING CONTRACTOR SHALL VERIFY EXACT LOCATION, & INVERT.
- BY ADD ALTERNATE #1 - PLUMBING CONTRACTOR TO PROVIDE AND INSTALL PROVISIONS FOR FUTURE GREENHOUSE. SEE BELOW GRADE PLUMBING & HYDRONICS PLAN (SHEET M200.A).
- EXISTING 2" DOMESTIC WATER SERVICE TO REMAIN. BY ADD ALTERNATE #2 PLUMBING CONTRACTOR TO REPLACE EXISTING 2" DOMESTIC WATER SERVICE STUB OUT & RISER WITH NEW 6" COMBINATION (FIRE & DOMESTIC) WATER SERVICE TO NEW 6" WATER SERVICE INSTALLED BY SITE UTILITY AT THIS LOCATION 5' OUTSIDE OF BUILDING. PLUMBING CONTRACTOR TO EXTEND INTO BUILDING, FURNISH AND INSTALL THRUST BLOCKS AND/OR TIE-RODS IN ACCORDANCE WITH THE LOCAL WATER DEPARTMENT STANDARDS AND REGULATIONS, AND PROVIDE 6" FLANGED CONNECTION FOR SPRINKLER CONTRACTOR'S USE AS-BUILTS AND REQUIRED UNDERGROUND FIRE PROTECTION PIPING TESTING/TEST CERTIFICATE SHALL BE SUBMITTED TO ENGINEER AND FIRE PROTECTION CONTRACTOR FROM THE PLUMBING CONTRACTOR.
- 4" WASTE TO SAND/OIL INTERCEPTOR.
- 4" VENT & FLAMMABLE VENT TO SAND/OIL INTERCEPTOR.
- 4" WASTE UP TO 2-WAY CLEANOUT.
- 4" WASTE CONNECTING INLET AND OUTLET SECTION OF SAND/OIL SEPARATOR. SEPARATOR, TRENCH DRAINS, & GRATES AND COVERS BY G.C.
- IN-FLOOR HEAT MANIFOLDS WITH ISOLATION VALVE. THERMOMETER MANUAL AIR VENT WITH FULL EXTENSION AND DRAIN. SEE IN-FLOOR HEAT MANIFOLD DIAGRAMS.
- SEE CONCRETE SLAB DETAIL. TUBING TO BE INSTALLED IN SAND BELOW CONCRETE, COORDINATE WITH GC.
- SEE SLAB STAT & PIPE PENETRATION DETAIL.
- IN-FLOOR HEAT LOOP LAYOUT TO BE DESIGNED WITH LOOPS SEGMENTED FROM NORTH TO SOUTH, SUCH THAT FUTURE WALL PLACEMENT WILL ACCOMMODATE SHIFTING LOOPS FROM ONE MANIFOLD TO THE OTHER. CONTACT ENGINEER PRIOR TO SUBMITTING SHOP DRAWINGS.

SPECIAL NOTES:

- ALL MECHANICAL SYSTEMS, EXCLUDING DROPS, TO BE INSTALLED AS HIGH AS POSSIBLE TO PROVIDE MAXIMUM CLEARANCES FOR OWNER.
- FLOOR DRAINS & SINK LOCATIONS SHALL BE INSTALLED IN LOCATIONS PROPER TO ACCEPT INDIRECT DRAIN PIPING FROM BOILERS, WATER HEATER, RELIEFS, ETC. (TRIP HAZARDS FROM PIPING WILL NOT BE ACCEPTABLE).
- ALL FLOOR CLEANOUTS TO BE LOCATED IN INCONSPICUOUS LOCATIONS. CLEANOUTS LOCATED IN DOORWAYS AND MIDDLE OF HALLWAYS WILL NOT BE ACCEPTABLE.



1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

601 Kansas City St. 7
Rapid City, SD 57701
Phone: 605-716-3652

440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

co-oparch.com

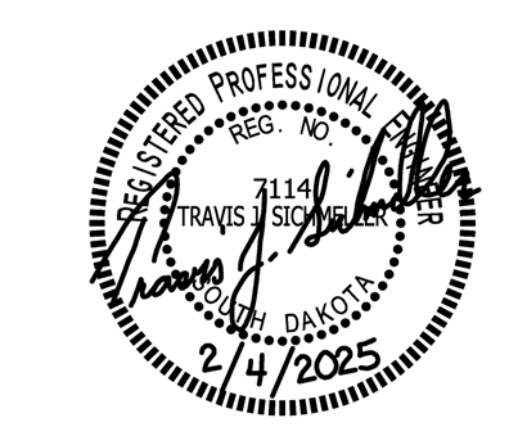
SICHMELLER ENGINEERING

Mechanical & Electrical Engineering

801 Railroad Ave. SE
Aberdeen, SD 57401
Phone: 605-225-4344

www.siceng.biz

SE PROJECT NO: 241000845



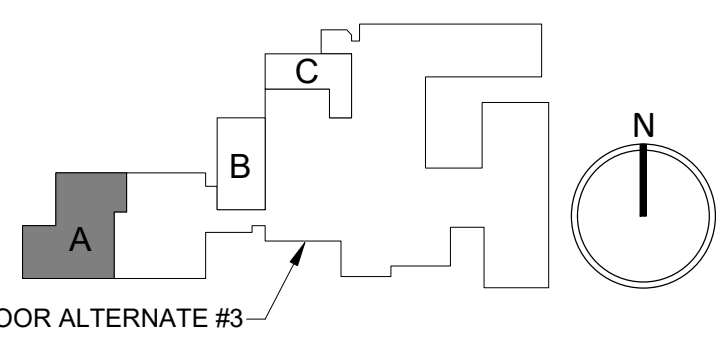
ISSUE:
2/4/25 100% CD'S

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
DEMO & PROPOSED - AREA A -
BELOW GRADE PLUMBING
PLAN

M200.A



DEMOLITION GENERAL NOTES:

- A. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES, INCLUDING ANY NECESSARY DEMOLITION.
- B. REMOVE MECHANICAL EQUIPMENT IN THE AREAS SHOWN ON THE PLAN, DISCONNECT SERVICES AND REMOVE TO A POINT OUT OF THE WAY OF THE GENERAL DEMOLITION. MARK ON THE PLAN TO CLEARLY SHOW WHERE THESE SERVICES ARE STOPPED. DEMOLITION WORK SHALL BE COORDINATED WITH THE OWNER. SHOULD QUESTIONS ARISE REGARDING THE REMOVAL OF EQUIPMENT, CONFER WITH THE OWNER BEFORE SUCH EQUIPMENT IS DEMOLISHED. MATERIALS REMOVED BY DEMOLITION SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE SPECIFICALLY NOTED. MATERIAL THE OWNER DOES NOT WISH TO RETAIN SHALL BE REMOVED AND DISPOSED OF PROPERLY BY THE CONTRACTOR.
- C. EQUIPMENT SHOWN ON DRAWINGS AS EXISTING IS BASED ON EXISTING PLANS AND LIMITED FIELD INVESTIGATION. THE FIELD SURVEY WAS CONDUCTED TO VERIFY, AS MUCH AS POSSIBLE, THE ACCURACY OF THE LOCATIONS SHOWN. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THE 'EXISTING CONDITIONS' AS SHOWN ON THE DRAWINGS AS THE DEMOLITION WORK PROGRESSES. PERFORM MODIFICATIONS AND ADDITIONS AS NECESSARY TO CORRECT FOR THESE HIDDEN CONDITIONS AND ALLOW FOR THE COMPLETION OF THE NEW WORK.
- D. THE EXISTING BUILDING WILL BE IN USE DURING THIS CONSTRUCTION. SCHEDULE AND CARRY OUT THE WORK IN SUCH A MANNER AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTIONS. TEMPORARY SERVICES SHALL BE INSTALLED IF ONE PHASE OF CONSTRUCTION DISRUPTS SERVICE TO ANOTHER AREA OF THE BUILDING OR IF EQUIPMENT HAS TO BE RELOCATED TO ALLOW CONSTRUCTION TO PROGRESS. SERVICE INTERRUPTIONS SHALL BE CONFINED TO THE SMALLEST AREA POSSIBLE AT ANY ONE TIME AND INTERRUPTIONS SHALL BE SCHEDULED WITH THE OWNER'S SITE REPRESENTATIVE. AFTER SERVICE HAS BEEN RESTORED FOLLOWING AN INTERRUPTION, INSPECT AREAS AFFECTED BY THE INTERRUPTION AND BE RESPONSIBLE FOR RETURNING AUTOMATICALLY CONTROLLED EQUIPMENT TO THE SAME OPERATING CONDITION WHICH EXISTED PRIOR TO THE INTERRUPTION.
- E. PROVIDE PENETRATIONS TO THE BUILDING STRUCTURE AS REQUIRED FOR INSTALLATION. WHERE EXISTING OR TEMPORARY SYSTEMS ARE BEING DEMOLISHED, WHICH LEAVE OPENINGS IN THE EXISTING BUILDING STRUCTURE, THE BUILDING STRUCTURE SHALL BE PATCHED TO MATCH THE EXISTING CONSTRUCTION AND MAINTAIN THE EXISTING BUILDING FIRE RATINGS.

DEMOLITION KEYNOTES:

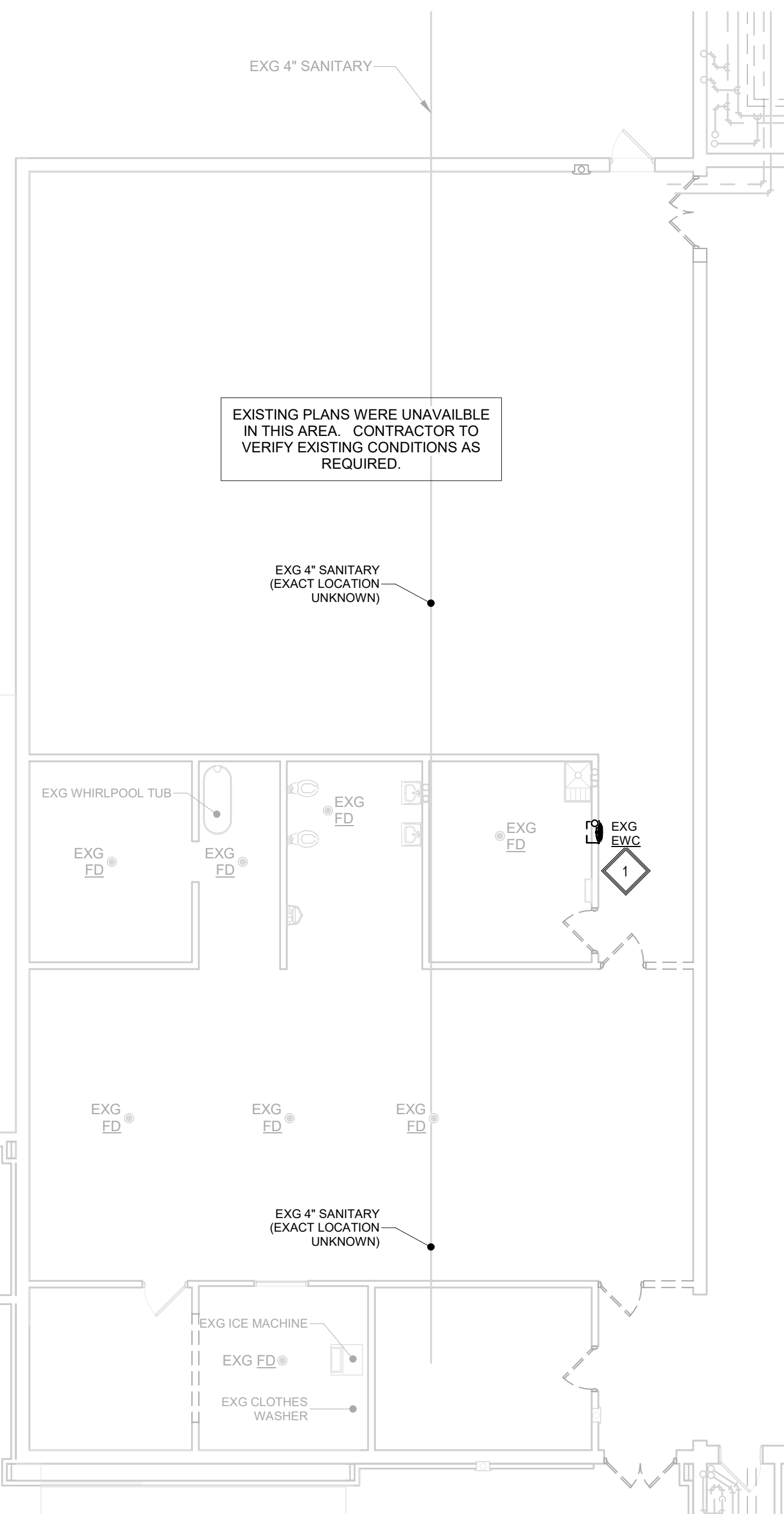
- 1. PC TO DISCONNECT AND REMOVE EXISTING PLUMBING FIXTURE, FLOOR DRAIN, WASTE, VENTING, DOMESTIC WATER PIPING SHOWN DARK AND DASHED, NATURAL GAS (AS NEEDED) AND INSTALL CAP NEAR MAINS. ALL EXISTING SANITARY WASTE ROUGHINGS UP THRU FLOOR SHALL BE REMOVED TO A POINT BELOW FLOOR AND CAPPED. FLOOR PATCHING BY PC.

GENERAL NOTES:

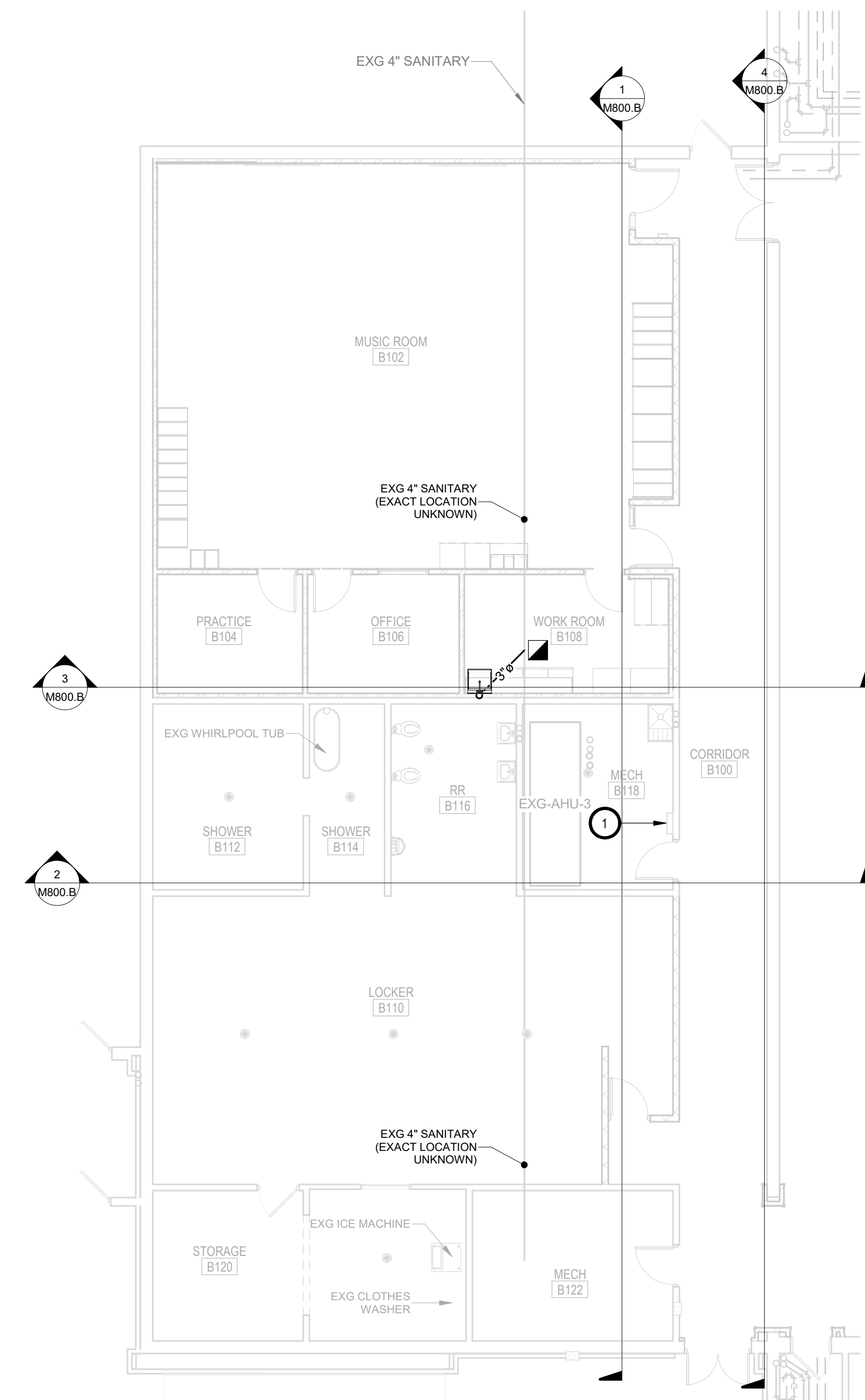
- A. ALL WORK SHALL BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER.
- B. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING ANY OPENINGS LEFT IN FLOORS, WALLS, AND CEILINGS THAT WERE CAUSED BY HIS/HER ACTIONS. PATCHING SHALL MATCH EXISTING SURFACE IN COLOR, TEXTURE AND QUALITY SO THAT PATCH IS INDISTINGUISHABLE FROM ORIGINAL SURFACE.
- C. ALL PENETRATIONS THROUGH DRAFT STOPS AND OTHER FIRE-RATED PARTITIONS SHALL BE FIRE STOPPED AS PER SPECIFICATIONS AND LOCAL CODES.
- D. ALL MECHANICAL WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, NATIONAL PLUMBING REGULATIONS, AND THE AUTHORITY HAVING JURISDICTION.
- E. THE MECHANICAL DRAWINGS SHOW GENERAL ARRANGEMENT ONLY. EXACT LOCATION SHALL AVOID INTERFERENCE WITH ELECTRICAL EQUIPMENT & REQUIRED ELECTRICAL CLEARANCES.
- F. CONTRACTOR SHALL COORDINATE ALL PLUMBING WITH LIGHT FIXTURES, HVAC, FIRE SPRINKLER, AND STRUCTURAL TO ACCOMMODATE LIMITED CEILING SPACE.
- G. FRESH AIR INTAKES TO BE MINIMUM 10' FROM ANY EXHAUST TERMINATION.
- H. ALL FLOOR EQUIPMENT SHALL BE SET ON 4" HIGH CONCRETE BASES FURNISHED BY THIS CONTRACTOR.
- I. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY THE A/E IMMEDIATELY OF ANY DISCREPANCIES.
- J. COORDINATE NEW SERVICES WITH LOCAL UTILITIES.
- K. PLUMBING CONTRACTOR TO PROVIDE VENTING FOR ALL FLOOR DRAINS, TRENCH DRAINS, AND FLOOR SINKS AS SHOWN OR AS REQUIRED BY CODE.
- L. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR THE TESTING & CLEANING OF EACH RESPECTIVE SYSTEM IN ACCORDANCE WITH APPLICABLE STATE & LOCAL CODES. TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE AUTHORITY HAVING JURISDICTION. WRITTEN NOTIFICATION OF TEST, DATE, AND RESULTS SHALL BE FURNISHED TO THE ENGINEER BEFORE CONCEALING OR COVERING THE INSTALLATION. TESTS SHALL BE REPEATED UNTIL EACH SYSTEM IS PROVEN ACCEPTABLE.

KEYNOTES:

- 1. THIS SPACE IS RESERVED FOR ELECTRICAL GEAR. PIPING AND EQUIPMENT SHALL NOT BE LOCATED IN FRONT OF OR ROUTED ABOVE ELECTRICAL PANELS. COORDINATE WITH DIVISION 26.



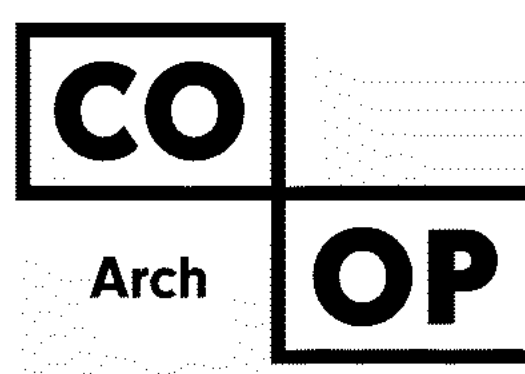
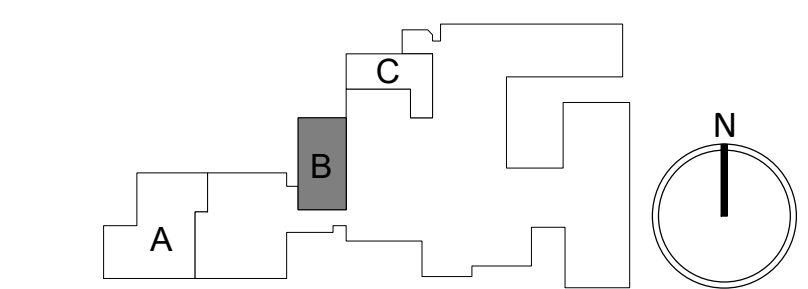
AREA B - FIRST FLOOR - BELOW GRADE PLUMBING DEMOLITION PLAN
1/8" = 1'-0"



AREA B - FIRST FLOOR - BELOW GRADE PLUMBING PLAN
1/8" = 1'-0"

SPECIAL NOTES:

- A. ALL MECHANICAL SYSTEMS, EXCLUDING DROPS, TO BE INSTALLED AS HIGH AS POSSIBLE TO PROVIDE MAXIMUM CLEARANCES FOR OWNER.
- B. FLOOR DRAINS & SINK LOCATIONS SHALL BE INSTALLED IN LOCATIONS PROPER TO ACCEPT INDIRECT DRAIN PIPING FROM BOILERS, WATER HEATER, RELIEFS, ETC. (TRIP HAZARDS FROM PIPING WILL NOT BE ACCEPTABLE).
- C. ALL FLOOR CLEANOUTS TO BE LOCATED IN INCONSPICUOUS LOCATIONS. CLEANOUTS LOCATED IN DOORWAYS AND MIDDLE OF HALLWAYS WILL NOT BE ACCEPTABLE.



1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

601 Kansas City St. 7
Rapid City, SD 57701
Phone: 605-716-3652

440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

co-oparch.com

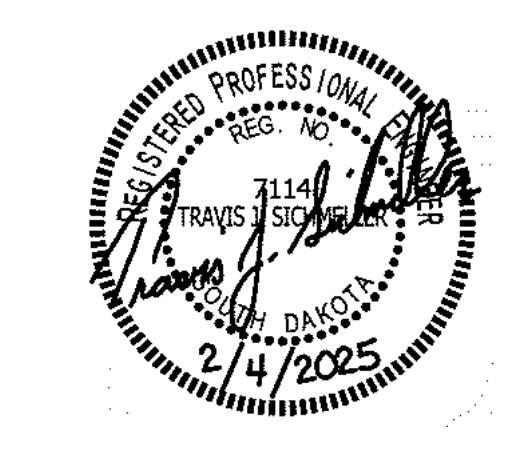
SICHMELLER ENGINEERING

Mechanical & Electrical Engineering

801 Railroad Ave. SE
Aberdeen, SD 57401
Phone: 605-225-4344

www.siceng.biz

SE PROJECT NO: 241000845



ISSUE:
2/4/25 100% CD'S

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
DEMO & PROPOSED - AREA B -
BELOW GRADE PLUMBING
PLAN

M200.B

DEMOLITION GENERAL NOTES:

- A. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES, INCLUDING ANY NECESSARY DEMOLITION.
- B. REMOVE MECHANICAL EQUIPMENT IN THE AREAS SHOWN ON THE PLAN, DISCONNECT SERVICES AND REMOVE TO A POINT OUT OF THE WAY OF THE GENERAL DEMOLITION. MARK ON THE PLAN TO CLEARLY SHOW WHERE THESE SERVICES ARE STOPPED. DEMOLITION WORK SHALL BE COORDINATED WITH THE OWNER. SHOULD QUESTIONS ARISE REGARDING THE REMOVAL OF EQUIPMENT, CONFER WITH THE OWNER BEFORE SUCH EQUIPMENT IS DEMOLISHED. MATERIALS REMOVED BY DEMOLITION SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE SPECIFICALLY NOTED. MATERIAL THE OWNER DOES NOT WISH TO RETAIN SHALL BE REMOVED AND DISPOSED OF PROPERLY BY THE CONTRACTOR.
- C. EQUIPMENT SHOWN ON DRAWINGS AS EXISTING IS BASED ON EXISTING PLANS AND LIMITED FIELD INVESTIGATION. THE FIELD SURVEY WAS CONDUCTED TO VERIFY, AS MUCH AS POSSIBLE, THE ACCURACY OF THE LOCATIONS SHOWN. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THE 'EXISTING CONDITIONS' AS SHOWN ON THE DRAWINGS AS THE DEMOLITION WORK PROGRESSES. PERFORM MODIFICATIONS AND ADDITIONS AS NECESSARY TO CORRECT FOR THESE HIDDEN CONDITIONS AND ALLOW FOR THE COMPLETION OF THE NEW WORK.
- D. THE EXISTING BUILDING WILL BE IN USE DURING THIS CONSTRUCTION. SCHEDULE AND CARRY OUT THE WORK IN SUCH A MANNER AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTIONS. TEMPORARY SERVICES SHALL BE INSTALLED IF ONE PHASE OF CONSTRUCTION DISRUPTS SERVICE TO ANOTHER AREA OF THE BUILDING OR IF EQUIPMENT HAS TO BE RELOCATED TO ALLOW CONSTRUCTION TO PROGRESS. SERVICE INTERRUPTIONS SHALL BE CONFINED TO THE SMALLEST AREA POSSIBLE AT ANY ONE TIME AND INTERRUPTIONS SHALL BE SCHEDULED WITH THE OWNER'S SITE REPRESENTATIVE. AFTER SERVICE HAS BEEN RESTORED FOLLOWING AN INTERRUPTION, INSPECT AREAS AFFECTED BY THE INTERRUPTION AND BE RESPONSIBLE FOR RETURNING AUTOMATICALLY CONTROLLED EQUIPMENT TO THE SAME OPERATING CONDITION WHICH EXISTED PRIOR TO THE INTERRUPTION.
- E. PROVIDE PENETRATIONS TO THE BUILDING STRUCTURE AS REQUIRED FOR INSTALLATION. WHERE EXISTING OR TEMPORARY SYSTEMS ARE BEING DEMOLISHED, WHICH LEAVE OPENINGS IN THE EXISTING BUILDING STRUCTURE, THE BUILDING STRUCTURE SHALL BE PATCHED TO MATCH THE EXISTING BUILDING FIRE RATINGS.

DEMOLITION KEYNOTES:

- 1. PC TO DISCONNECT AND REMOVE EXISTING PLUMBING FIXTURE, FLOOR DRAIN, WASTE, VENTING, DOMESTIC WATER PIPING SHOWN DARK AND DASHED, NATURAL GAS (AS NEEDED) AND INSTALL CAP NEAR MAINS. ALL EXISTING SANITARY WASTE ROUGH-INS UP THRU FLOOR SHALL BE REMOVED TO A POINT BELOW FLOOR AND CAPPED. FLOOR PATCHING BY GC.

GENERAL NOTES:

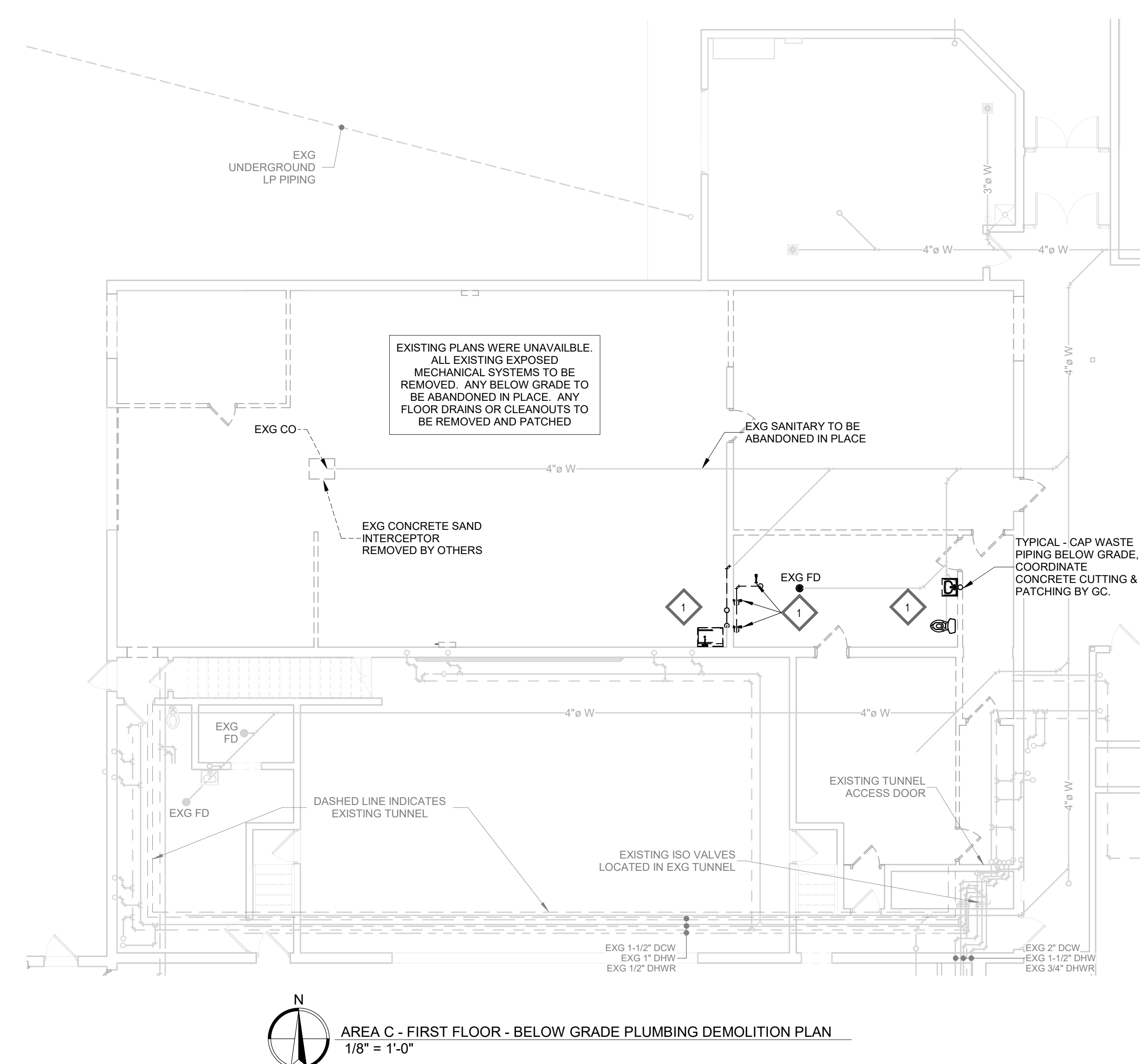
- A. ALL WORK SHALL BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER.
- B. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING ANY OPENINGS LEFT IN FLOORS, WALLS, AND CEILINGS THAT WERE CAUSED BY HIS/HER ACTIONS. PATCHING SHALL MATCH EXISTING SURFACE IN COLOR, TEXTURE AND QUALITY SO THAT PATCH IS INDISTINGUISHABLE FROM ORIGINAL SURFACE.
- C. ALL PENETRATIONS THROUGH DRAFT STOPS AND OTHER FIRE-RATED PARTITIONS SHALL BE FIRE STOPPED AS PER SPECIFICATIONS AND LOCAL CODES.
- D. ALL MECHANICAL WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, NATIONAL PLUMBING REGULATIONS, AND THE AUTHORITY HAVING JURISDICTION.
- E. THE MECHANICAL DRAWINGS SHOW GENERAL ARRANGEMENT ONLY. EXACT LOCATION SHALL AVOID INTERFERENCE WITH ELECTRICAL EQUIPMENT & REQUIRED ELECTRICAL CLEARANCES.
- F. CONTRACTOR SHALL COORDINATE ALL PLUMBING WITH LIGHT FIXTURES, HVAC, FIRE SPRINKLER, AND STRUCTURAL TO ACCOMMODATE LIMITED CEILING SPACE.
- G. FRESH AIR INTAKES TO BE MINIMUM 10' FROM ANY EXHAUST TERMINATION.
- H. ALL FLOOR EQUIPMENT SHALL BE SET ON 4" HIGH CONCRETE BASES FURNISHED BY THIS CONTRACTOR.
- I. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY THE A/E IMMEDIATELY OF ANY DISCREPANCIES.
- J. COORDINATE NEW SERVICES WITH LOCAL UTILITIES.
- K. PLUMBING CONTRACTOR TO PROVIDE VENTING FOR ALL FLOOR DRAINS, TRENCH DRAINS, AND FLOOR SINKS AS SHOWN OR AS REQUIRED BY CODE.
- L. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR THE TESTING & CLEANING OF EACH RESPECTIVE SYSTEM IN ACCORDANCE WITH APPLICABLE STATE & LOCAL CODES. TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE AUTHORITY HAVING JURISDICTION. WRITTEN NOTIFICATION OF TEST, DATE, AND RESULTS SHALL BE FURNISHED TO THE ENGINEER BEFORE CONCEALING OR COVERING THE INSTALLATION. TESTS SHALL BE REPEATED UNTIL EACH SYSTEM IS PROVEN ACCEPTABLE.

KEYNOTES:

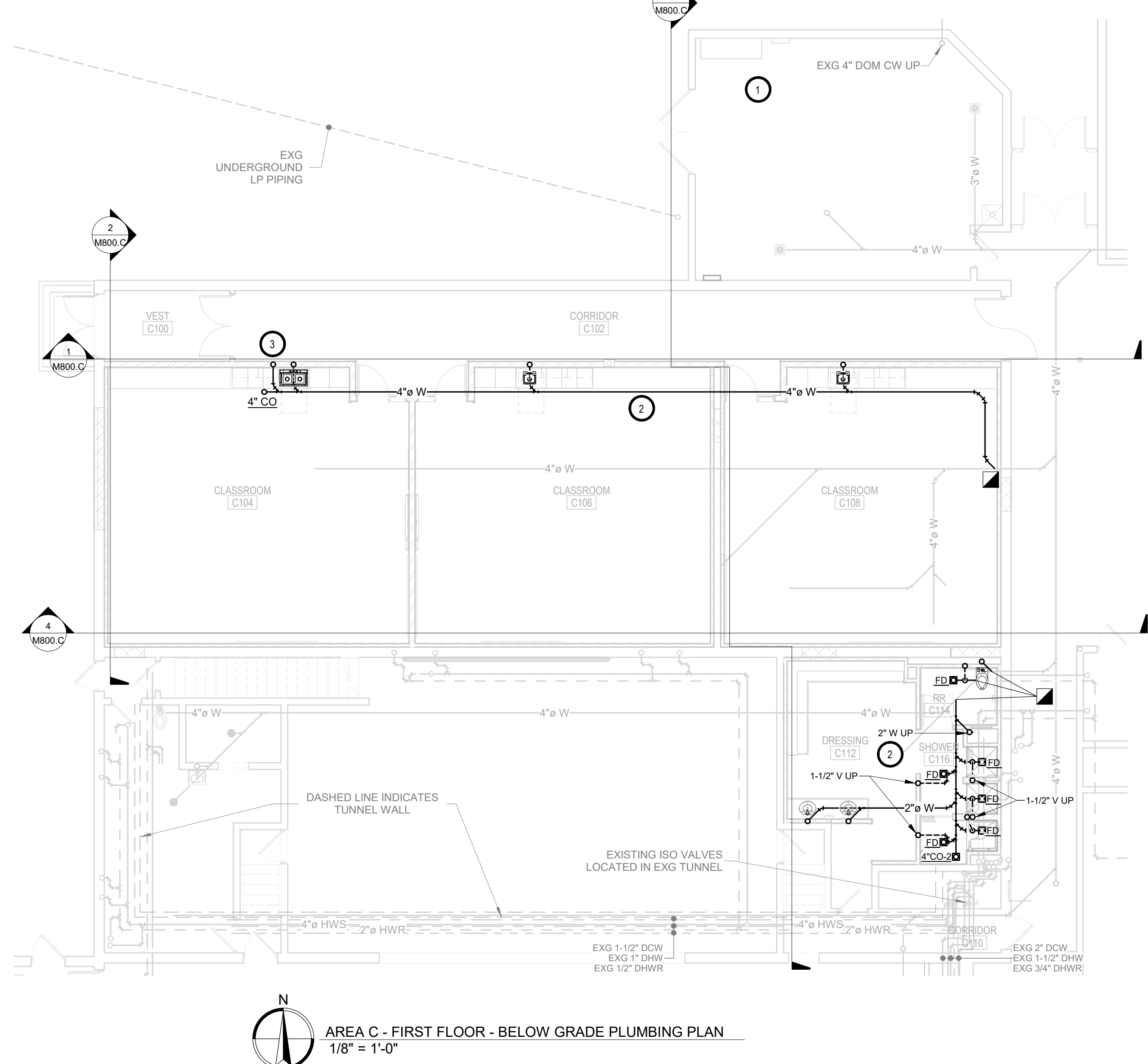
- 1. THIS SPACE IS RESERVED FOR ELECTRICAL GEAR. PIPING AND EQUIPMENT SHALL NOT BE LOCATED IN FRONT OF OR ROUTED ABOVE ELECTRICAL PANELS. COORDINATE WITH DIVISION 26.
- 2. CONCRETE FLOOR CUTTING & PATCHING BY GC, PC TO COORDINATE AS REQUIRED FOR PROPOSED.
- 3. PC TO ROUGH IN WASTE IN CASEWORK TO WEST OF ADA SINK FOR SOLIDS INTERCEPTOR INSTALLED IN ADJACENT CASEWORK. SEE PLUMBING FIXTURE SCHEDULE.

SPECIAL NOTES:

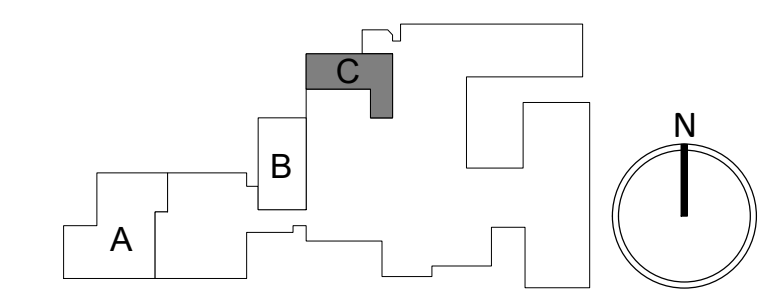
- A. ALL MECHANICAL SYSTEMS, EXCLUDING DROPS, TO BE INSTALLED AS HIGH AS POSSIBLE TO PROVIDE MAXIMUM CLEARANCES FOR OWNER.
- B. FLOOR DRAINS & SINK LOCATIONS SHALL BE INSTALLED IN LOCATIONS PROPER TO ACCEPT INDIRECT DRAIN PIPING FROM BOILERS, WATER HEATER, RELIEFS, ETC. (TRIP HAZARDS FROM PIPING WILL NOT BE ACCEPTABLE).
- C. ALL FLOOR CLEANOUTS TO BE LOCATED IN INCONSPICUOUS LOCATIONS. CLEANOUTS LOCATED IN DOORWAYS AND MIDDLE OF HALLWAYS WILL NOT BE ACCEPTABLE.



AREA C - FIRST FLOOR - BELOW GRADE PLUMBING DEMOLITION PLAN
1/8" = 1'-0"



AREA C - FIRST FLOOR - BELOW GRADE PLUMBING PLAN
1/8" = 1'-0"



CO Arch OP

1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

601 Kansas City St. 7
Rapid City, SD 57701
Phone: 605-716-3652

440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

co-oparch.com

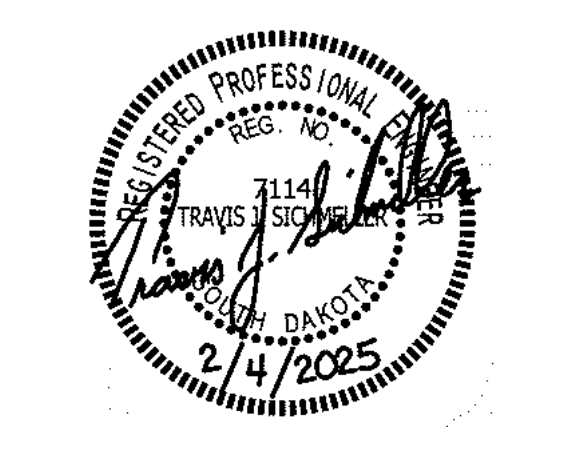
SICHMELLER ENGINEERING

Mechanical & Electrical Engineering

801 Railroad Ave. SE
Aberdeen, SD 57401
Phone: 605-225-4344

www.siceng.biz

SE PROJECT NO: 241000845



ISSUE:
2/4/25 100% CD'S

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
DEMO & PROPOSED - AREA C -
BELOW GRADE PLUMBING
PLAN

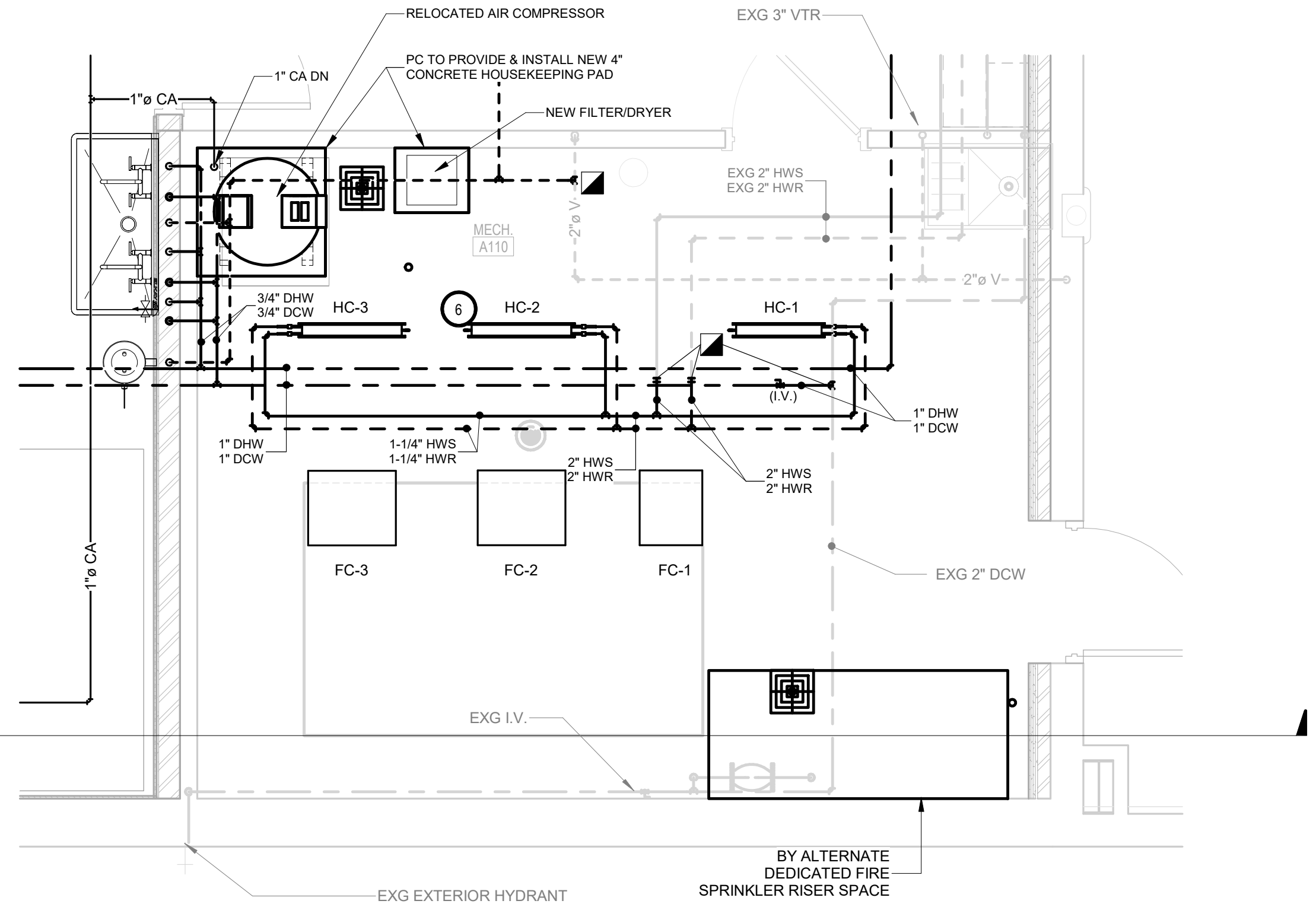
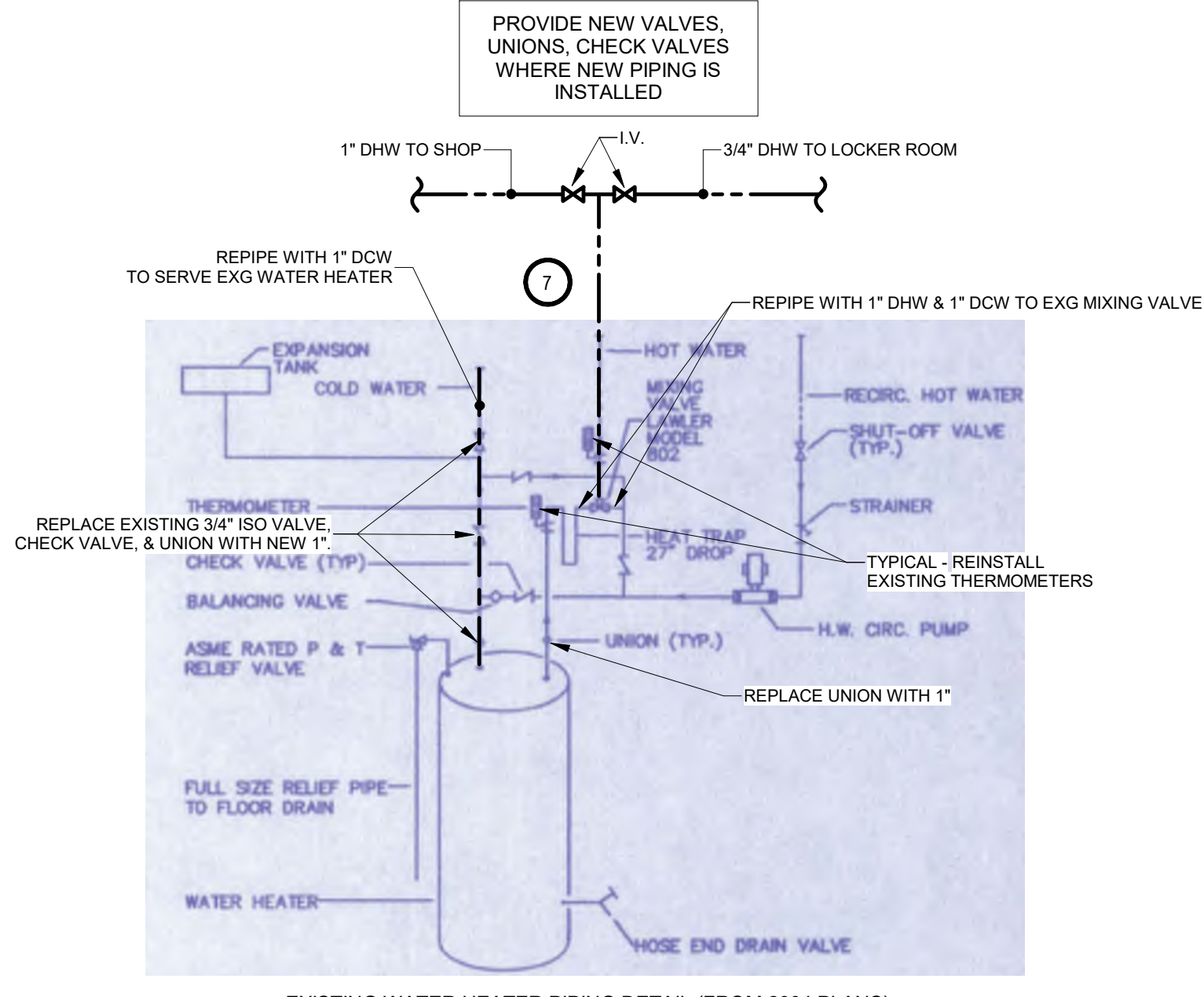
M200.C

DEMOLITION GENERAL NOTES:

- A. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES, INCLUDING ANY NECESSARY DEMOLITION.
- B. REMOVE MECHANICAL EQUIPMENT IN THE AREAS SHOWN ON THE PLAN. DISCONNECT SERVICES AND REMOVE TO A POINT OUT OF THE WAY OF THE GENERAL DEMOLITION. MARK ON THE PLAN TO CLEARLY SHOW WHERE THESE SERVICES ARE STOPPED. DEMOLITION WORK SHALL BE COORDINATED WITH THE OWNER. SHOULD QUESTIONS ARISE REGARDING THE REMOVAL OF EQUIPMENT, CONFER WITH THE OWNER BEFORE SUCH EQUIPMENT IS DEMOLISHED. MATERIALS REMOVED BY DEMOLITION SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE SPECIFICALLY NOTED. MATERIAL THE OWNER DOES NOT WISH TO RETAIN SHALL BE REMOVED AND DISPOSED OF PROPERLY BY THE CONTRACTOR.
- C. EQUIPMENT SHOWN ON DRAWINGS AS EXISTING IS BASED ON EXISTING PLANS AND LIMITED FIELD INVESTIGATION. THE FIELD SURVEY WAS CONDUCTED TO VERIFY, AS MUCH AS POSSIBLE, THE ACCURACY OF THE LOCATIONS SHOWN. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THE "EXISTING CONDITIONS" AS SHOWN ON THE DRAWINGS AS THE DEMOLITION WORK PROGRESSES. PERFORM MODIFICATIONS AND ADDITIONS AS NECESSARY TO CORRECT FOR THESE HIDDEN CONDITIONS AND ALLOW FOR THE COMPLETION OF THE NEW WORK.
- D. THE EXISTING BUILDING WILL BE IN USE DURING THIS CONSTRUCTION. SCHEDULE AND CARRY OUT THE WORK IN SUCH A MANNER AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTIONS. TEMPORARY SERVICES SHALL BE INSTALLED IF ONE PHASE OF CONSTRUCTION DISRUPTS SERVICE TO ANOTHER AREA OF THE BUILDING OR IF EQUIPMENT HAS TO BE RELOCATED TO ALLOW CONSTRUCTION TO PROGRESS. SERVICE INTERRUPTIONS SHALL BE CONFINED TO THE SMALLEST AREA POSSIBLE AT ANY ONE TIME AND INTERRUPTIONS SHALL BE SCHEDULED WITH THE OWNER'S SITE REPRESENTATIVE. AFTER SERVICE HAS BEEN RESTORED FOLLOWING AN INTERRUPTION, INSPECT AREAS AFFECTED BY THE INTERRUPTION AND BE RESPONSIBLE FOR RETURNING AUTOMATICALLY CONTROLLED EQUIPMENT TO THE SAME OPERATING CONDITION, WHICH EXISTED PRIOR TO THE INTERRUPTION.
- E. PROVIDE PENETRATIONS TO THE BUILDING STRUCTURE AS REQUIRED FOR INSTALLATION. WHERE EXISTING OR TEMPORARY SYSTEMS ARE BEING DEMOLISHED, WHICH LEAVE OPENINGS IN THE EXISTING BUILDING STRUCTURE, THE BUILDING STRUCTURE SHALL BE PATCHED TO MATCH THE EXISTING CONSTRUCTION AND MAINTAIN THE EXISTING BUILDING FIRE RATINGS.

DEMOLITION KEYNOTES:

1. PC TO DISCONNECT AND REMOVE EXISTING PLUMBING FIXTURE, FLOOR DRAIN, WASTE, VENTING, DOMESTIC WATER PIPING SHOWN DARK AND DASHED, NATURAL GAS (AS NEEDED) AND INSTALL CAP NEAR MAINS. ALL EXISTING SANITARY WASTE ROUGH-INS UP THRU FLOOR SHALL BE REMOVED TO A POINT BELOW FLOOR AND CAPPED. FLOOR PATCHING BY PC.
2. PC TO DISCONNECT AND REMOVE EXISTING HWS/HWR AND CONDENSATE PIPING SERVING AIR HANDLING UNIT. EXISTING UNIT TO BE REMOVED BY VENTILATION CONTRACTOR.
3. PC TO DISCONNECT AND REMOVE EXISTING CABINET UNIT HEATER AND ASSOCIATED HWS/HWR PIPING SHOWN DARK AND DASHED. SEE PROPOSED.
4. PC TO DISCONNECT AND REMOVE EXISTING 3/4" DCW & 3/4" DHW SHOWN DARK AND DASHED SERVING EXISTING WATER HEATER AND EXISTING THERMOSTATIC MIXING VALVE. SEE PROPOSED. EXISTING DHWR PUMP TO REMAIN AS IS.



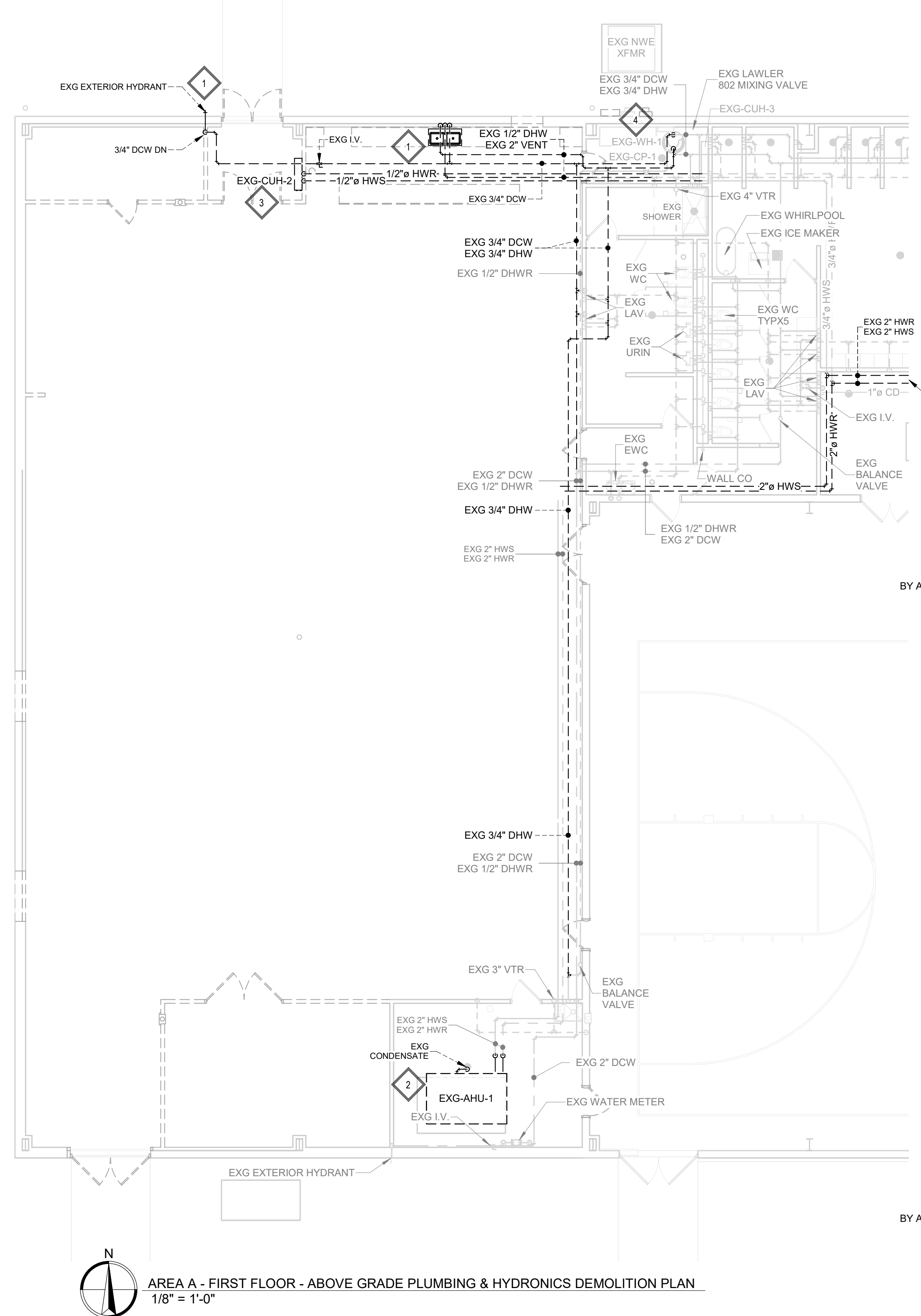
1 AREA A - ENLARGED MECHANICAL ROOM - PLUMBING & HYDRONICS
M300.A SCALE: 3/8" = 1'-0"

GENERAL NOTES:

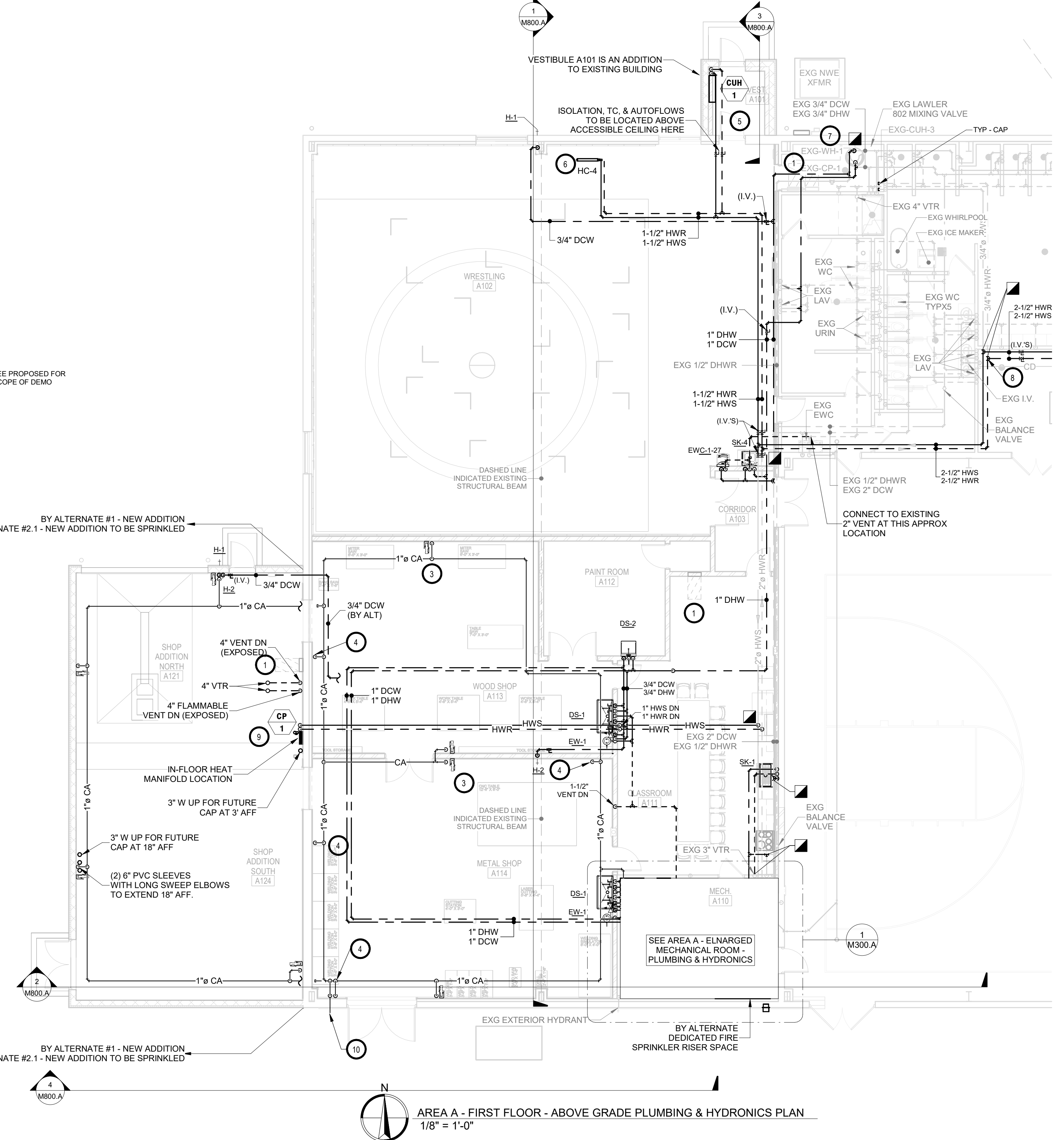
- A. ALL WORK SHALL BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER.
- B. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING ANY OPENINGS LEFT IN FLOORS, WALLS, AND CEILING THAT WERE CAUSED BY HIS/HER ACTIONS. PATCHING SHALL MATCH EXISTING SURFACE IN COLOR, TEXTURE AND QUALITY SO THAT PATCH IS INDISTINGUISHABLE FROM ORIGINAL SURFACE.
- C. ALL PENETRATIONS THROUGH DRAFT STOPS AND OTHER FIRE-RATED PARTITIONS SHALL BE FIRE STOPPED AS PER SPECIFICATIONS AND LOCAL CODES.
- D. ALL MECHANICAL WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, NATIONAL PLUMBING REGULATIONS, AND THE AUTHORITY HAVING JURISDICTION.
- E. THE MECHANICAL DRAWINGS SHOW GENERAL ARRANGEMENT ONLY. EXACT LOCATION SHALL AVOID INTERFERENCE WITH ELECTRICAL EQUIPMENT & REQUIRED ELECTRICAL CLEARANCES.
- F. CONTRACTOR SHALL COORDINATE ALL PLUMBING WITH LIGHT FIXTURES, HVAC, FIRE SPRINKLER, AND STRUCTURAL TO ACCOMMODATE LIMITED CEILING SPACE.
- G. FRESH AIR INTAKES TO BE MINIMUM 10' FROM ANY EXHAUST TERMINATION.
- H. ALL FLOOR EQUIPMENT SHALL BE SET ON 4" HIGH CONCRETE BASES FURNISHED BY THIS CONTRACTOR.
- I. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY THE A/E IMMEDIATELY OF ANY DISCREPANCIES.
- J. COORDINATE NEW SERVICES WITH LOCAL UTILITIES.
- K. PLUMBING CONTRACTOR TO PROVIDE VENTING FOR ALL FLOOR DRAINS, TRENCH DRAINS, AND FLOOR SINKS AS SHOWN OR AS REQUIRED BY CODE.
- L. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR THE TESTING & CLEANING OF EACH RESPECTIVE SYSTEM IN ACCORDANCE WITH APPLICABLE STATE & LOCAL CODES. TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE AUTHORITY HAVING JURISDICTION. WRITTEN NOTIFICATION OF TEST, DATE, AND RESULTS SHALL BE FURNISHED TO THE ENGINEER BEFORE CONCEALING OR COVERING THE INSTALLATION. TESTS SHALL BE REPEATED UNTIL EACH SYSTEM IS PROVEN ACCEPTABLE.

KEYNOTES:

1. THIS SPACE IS RESERVED FOR ELECTRICAL GEAR. PIPING AND EQUIPMENT SHALL NOT BE LOCATED IN FRONT OF OR ROUTED ABOVE ELECTRICAL PANELS. COORDINATE WITH DIVISION 26.
2. SEE AIR DROP TO COMPRESSOR DETAIL.
3. SEE TYPICAL AIR DROP TO REEL DETAIL.
4. SEE TYPICAL AIR DROP DETAIL.
5. SEE CABINET UNIT HEATER PIPING DETAIL.
6. TYPICAL - SEE HOT WATER COIL PIPING DETAIL (HC-#).
7. PC TO RECONNECT EXISTING WATER HEATER AND EXISTING THERMOSTATIC MIXING VALVE WITH 1" DCW AND 1" DHW. PC TO RECONNECT EXISTING THERMOSTATIC MIXING VALVE TO TEMPERED DHW PIPING WITH 1-1/4" TEMPERED DHW. EXISTING DHWR PUMP TO REMAIN AS IS.
8. PC TO REPIPE 2-1/2" HWS & 2-1/2" HWR. PIPING TO BE REPIPED APPROXIMATELY 12" TO THE EAST OF THIS LOCATION.
9. IN-FLOOR HEAT MANIFOLDS WITH ISOLATION VALVE, THERMOMETER MANUAL AIR VENT WITH FULL EXTENSION AND DRAIN. SEE IN-FLOOR HEAT MANIFOLD DIAGRAMS.
10. PC TO PROVIDE & INSTALL 1" COMPRESSED AIR AND CONNECT TO DC-2. DRIP LEG TO BE LOCATED INSIDE BUILDING.



AREA A - FIRST FLOOR - ABOVE GRADE PLUMBING & HYDRONICS DEMOLITION PLAN
1/8" = 1'-0"



AREA A - FIRST FLOOR - ABOVE GRADE PLUMBING & HYDRONICS PLAN
1/8" = 1'-0"

SPECIAL NOTES:

- A. ALL MECHANICAL SYSTEMS, EXCLUDING DROPS, TO BE INSTALLED AS HIGH AS POSSIBLE TO PROVIDE MAXIMUM CLEARANCES FOR OWNER.

CO Arch OP

1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

601 Kansas City St. 7
Rapid City, SD 57701
Phone: 605-716-3652

440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

co-oparch.com

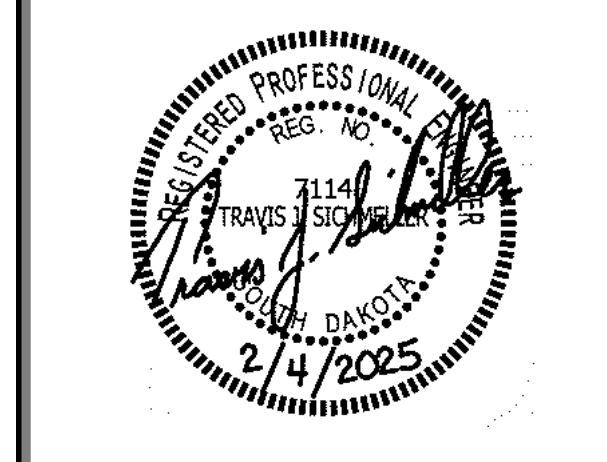
SICHMELLER ENGINEERING

Mechanical & Electrical Engineering

801 Railroad Ave. SE
Aberdeen, SD 57401
Phone: 605-225-4344

www.siceng.biz

SE PROJECT NO: 241000845



ISSUE:
2/4/25 100% CD'S

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
DEMO & PROPOSED AREA A -
ABOVE GRADE PLUMBING &
HYDRONICS PLAN

M300.A

DEMOLITION GENERAL NOTES:

- A. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES, INCLUDING ANY NECESSARY DEMOLITION.
- B. REMOVE MECHANICAL EQUIPMENT IN THE AREAS SHOWN ON THE PLAN, DISCONNECT SERVICES AND REMOVE TO A POINT OUT OF THE WAY OF THE GENERAL DEMOLITION. MARK ON THE PLAN TO CLEARLY SHOW WHERE THESE SERVICES ARE STOPPED. DEMOLITION WORK SHALL BE COORDINATED WITH THE OWNER. SHOULD QUESTIONS ARISE REGARDING THE REMOVAL OF EQUIPMENT, CONFER WITH THE OWNER BEFORE SUCH EQUIPMENT IS DEMOLISHED. MATERIALS REMOVED BY DEMOLITION SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE SPECIFICALLY NOTED. MATERIAL THE OWNER DOES NOT WISH TO RETAIN SHALL BE REMOVED AND DISPOSED OF PROPERLY BY THE CONTRACTOR.
- C. EQUIPMENT SHOWN ON DRAWINGS AS EXISTING IS BASED ON EXISTING PLANS AND LIMITED FIELD INVESTIGATION. THE FIELD SURVEY WAS CONDUCTED TO VERIFY, AS MUCH AS POSSIBLE, THE ACCURACY OF THE LOCATIONS SHOWN. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THE "EXISTING CONDITIONS" AS SHOWN ON THE DRAWINGS AS THE DEMOLITION WORK PROGRESSES. PERFORM MODIFICATIONS AND ADDITIONS AS NECESSARY TO CORRECT FOR THESE HIDDEN CONDITIONS AND ALLOW FOR THE COMPLETION OF THE NEW WORK.
- D. THE EXISTING BUILDING WILL BE IN USE DURING THIS CONSTRUCTION. SCHEDULE AND CARRY OUT THE WORK IN SUCH A MANNER AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTIONS. TEMPORARY SERVICES SHALL BE INSTALLED IF ONE PHASE OF CONSTRUCTION DISRUPTS SERVICE TO ANOTHER AREA OF THE BUILDING OR IF EQUIPMENT HAS TO BE RELOCATED TO ALLOW CONSTRUCTION TO PROGRESS. SERVICE INTERRUPTIONS SHALL BE CONFINED TO THE SMALLEST AREA POSSIBLE AT ANY ONE TIME AND INTERRUPTIONS SHALL BE SCHEDULED WITH THE OWNER'S SITE REPRESENTATIVE. AFTER SERVICE HAS BEEN RESTORED FOLLOWING AN INTERRUPTION, INSPECT AREAS AFFECTED BY THE INTERRUPTION AND BE RESPONSIBLE FOR RETURNING AUTOMATICALLY CONTROLLED EQUIPMENT TO THE SAME OPERATING CONDITION WHICH EXISTED PRIOR TO THE INTERRUPTION.
- E. PROVIDE PENETRATIONS TO THE BUILDING STRUCTURE AS REQUIRED FOR INSTALLATION. WHERE EXISTING OR TEMPORARY SYSTEMS ARE BEING DEMOLISHED, WHICH LEAVE OPENINGS IN THE EXISTING BUILDING STRUCTURE, THE BUILDING STRUCTURE SHALL BE PATCHED TO MATCH THE EXISTING CONSTRUCTION AND MAINTAIN THE EXISTING BUILDING FIRE RATINGS.

DEMOLITION KEYNOTES:

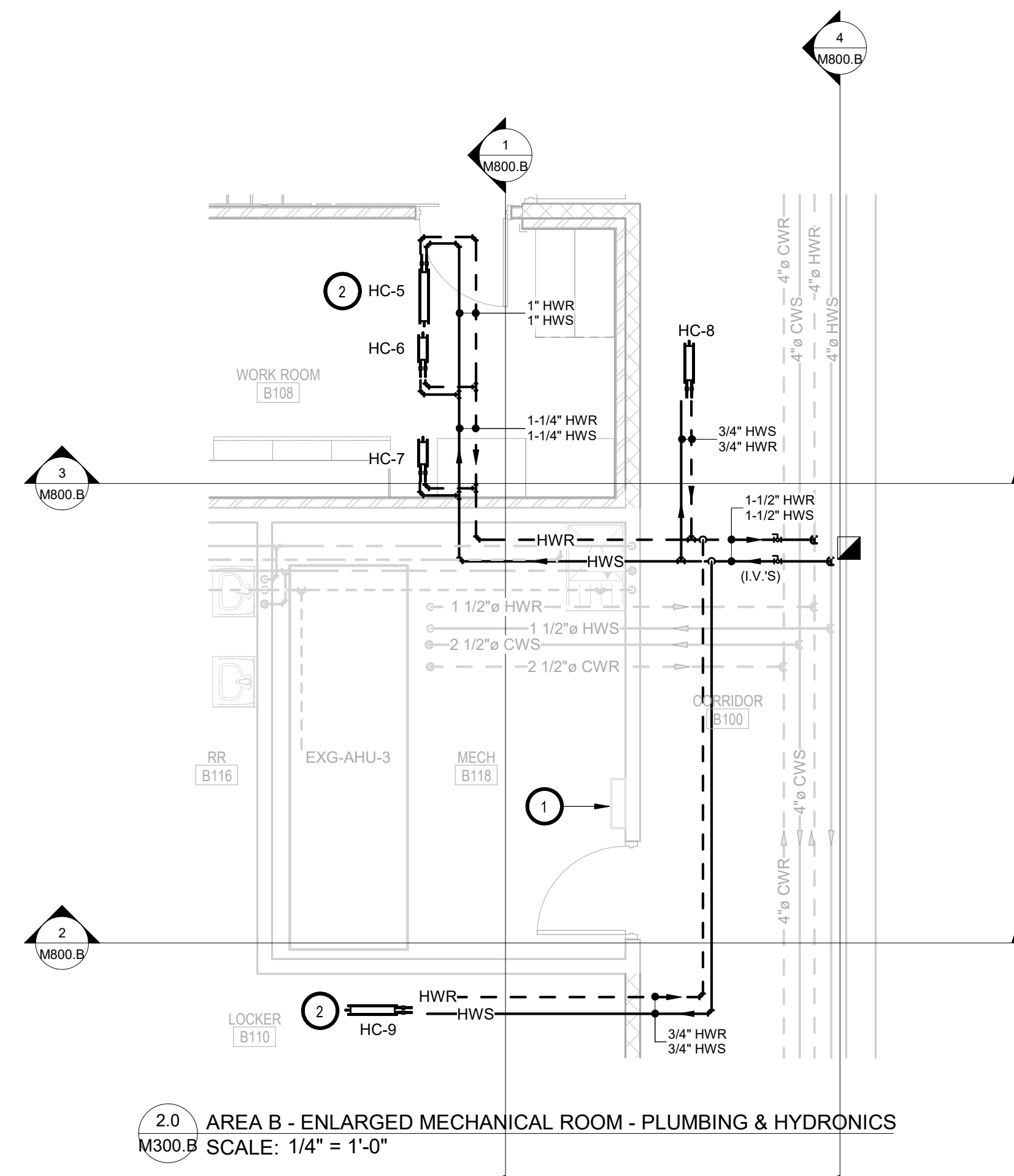
- 1. PC TO DISCONNECT AND REMOVE EXISTING PLUMBING FIXTURE, FLOOR DRAIN, WASTE, VENTING, DOMESTIC WATER PIPING SHOWN DARK AND DASHED, NATURAL GAS (AS NEEDED) AND INSTALL CAP NEAR MAINS. ALL EXISTING SANITARY WASTE ROUGH-INS UP THRU FLOOR SHALL BE REMOVED TO A POINT BELOW FLOOR AND CAPPED. FLOOR PATCHING BY PC.

GENERAL NOTES:

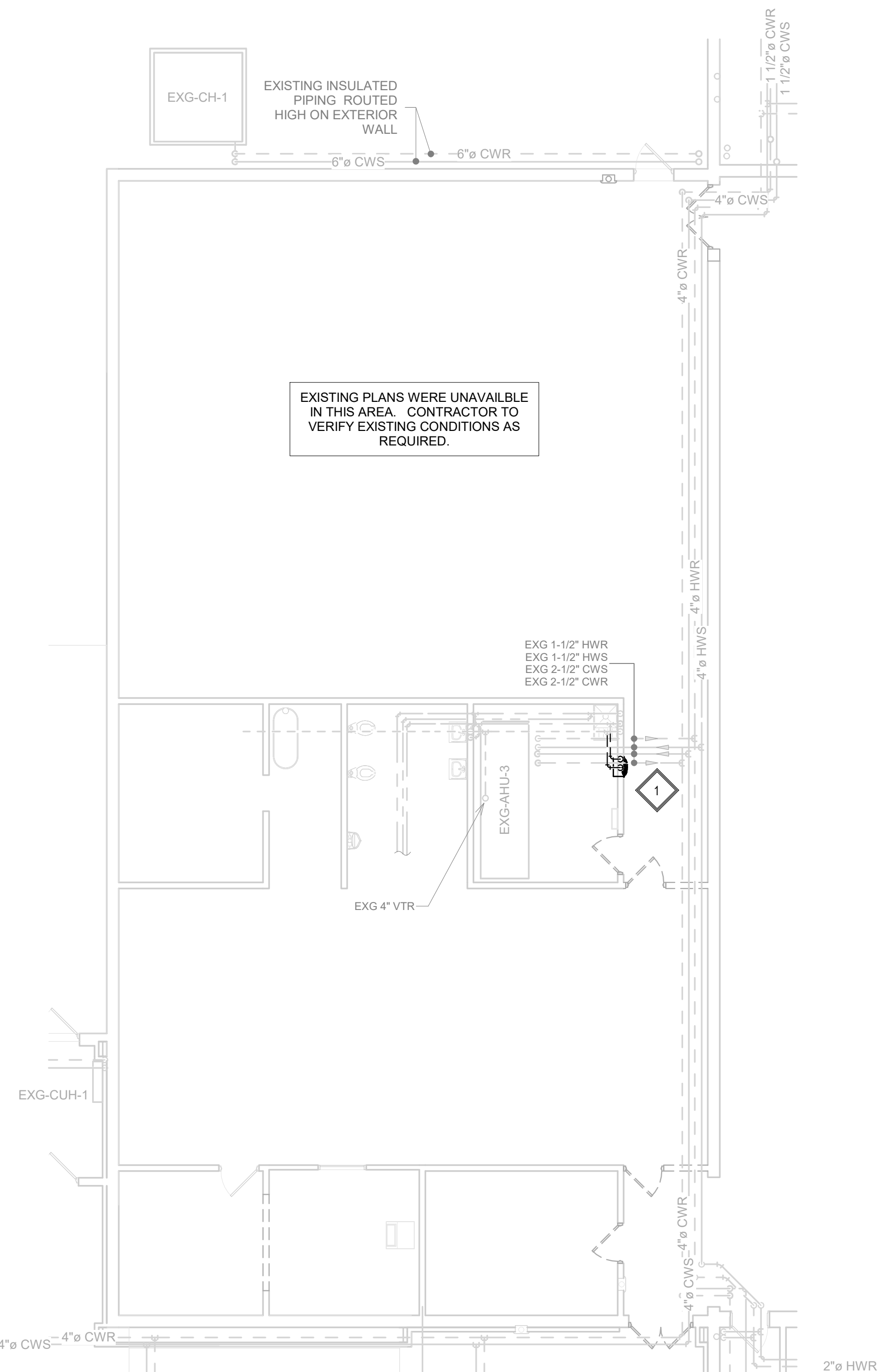
- A. ALL WORK SHALL BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER.
- B. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING ANY OPENINGS LEFT IN FLOORS, WALLS, AND CEILINGS THAT WERE CAUSED BY HIS/HER ACTIONS. PATCHING SHALL MATCH EXISTING SURFACE IN COLOR, TEXTURE AND QUALITY SO THAT PATCH IS INDISTINGUISHABLE FROM ORIGINAL SURFACE.
- C. ALL PENETRATIONS THROUGH DRAFT STOPS AND OTHER FIRE-RATED PARTITIONS SHALL BE FIRE STOPPED AS PER SPECIFICATIONS AND LOCAL CODES.
- D. ALL MECHANICAL WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, NATIONAL PLUMBING REGULATIONS, AND THE AUTHORITY HAVING JURISDICTION.
- E. THE MECHANICAL DRAWINGS SHOW GENERAL ARRANGEMENT ONLY. EXACT LOCATION SHALL AVOID INTERFERENCE WITH ELECTRICAL EQUIPMENT & REQUIRED ELECTRICAL CLEARANCES.
- F. CONTRACTOR SHALL COORDINATE ALL PLUMBING WITH LIGHT FIXTURES, HVAC, FIRE SPRINKLER, AND STRUCTURAL TO ACCOMMODATE LIMITED CEILING SPACE.
- G. FRESH AIR INTAKES TO BE MINIMUM 10' FROM ANY EXHAUST TERMINATION.
- H. ALL FLOOR EQUIPMENT SHALL BE SET ON 4" HIGH CONCRETE BASES FURNISHED BY THIS CONTRACTOR.
- I. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY THE A/E IMMEDIATELY OF ANY DISCREPANCIES.
- J. COORDINATE NEW SERVICES WITH LOCAL UTILITIES.
- K. PLUMBING CONTRACTOR TO PROVIDE VENTING FOR ALL FLOOR DRAINS, TRENCH DRAINS, AND FLOOR SINKS AS SHOWN OR AS REQUIRED BY CODE.
- L. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR THE TESTING & CLEANING OF EACH RESPECTIVE SYSTEM IN ACCORDANCE WITH APPLICABLE STATE & LOCAL CODES. TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE AUTHORITY HAVING JURISDICTION. WRITTEN NOTIFICATION OF TEST, DATE, AND RESULTS SHALL BE FURNISHED TO THE ENGINEER BEFORE CONCEALING OR COVERING THE INSTALLATION. TESTS SHALL BE REPEATED UNTIL EACH SYSTEM IS PROVEN ACCEPTABLE.

KEYNOTES:

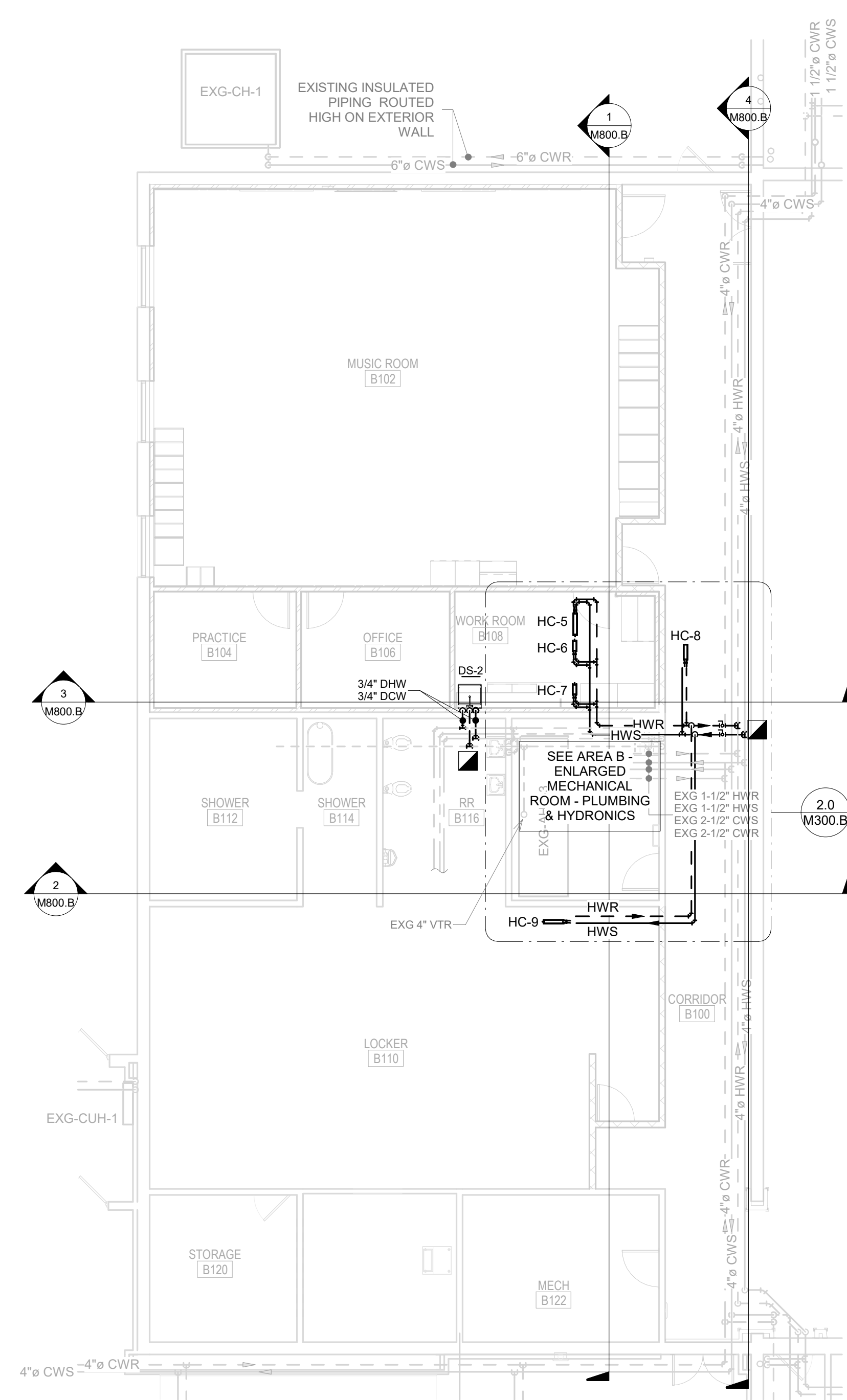
- 1. THIS SPACE IS RESERVED FOR ELECTRICAL GEAR. PIPING AND EQUIPMENT SHALL NOT BE LOCATED IN FRONT OF OR ROUTED ABOVE ELECTRICAL PANELS. COORDINATE WITH DIVISION 26.
- 2. TYPICAL - SEE HOT WATER COIL PIPING DETAIL (HC-#).



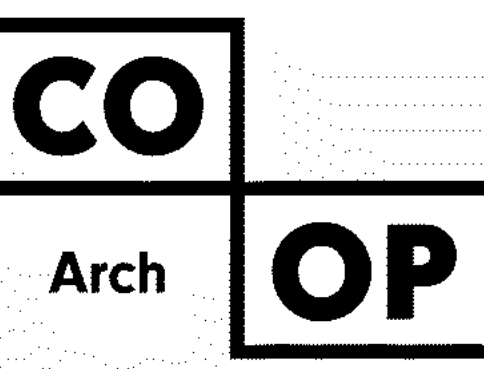
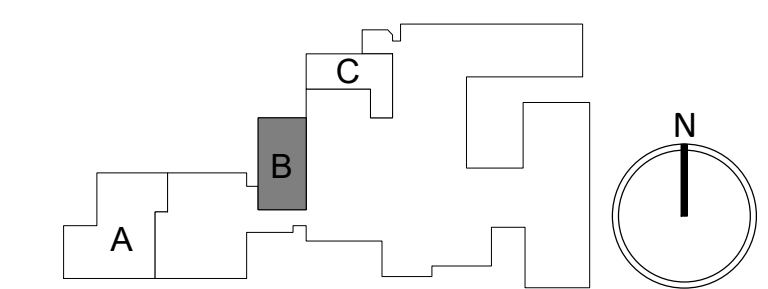
2.0 AREA B - ENLARGED MECHANICAL ROOM - PLUMBING & HYDRONICS
M300.B SCALE: 1/4" = 1'-0"



AREA B - FIRST FLOOR - ABOVE GRADE PLUMBING & HYDRONICS DEMOLITION PLAN
1/8" = 1'-0"



AREA B - FIRST FLOOR - ABOVE GRADE PLUMBING & HYDRONICS PLAN
1/8" = 1'-0"



1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

601 Kansas City St. 7
Rapid City, SD 57701
Phone: 605-716-3652

440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

co-oparch.com

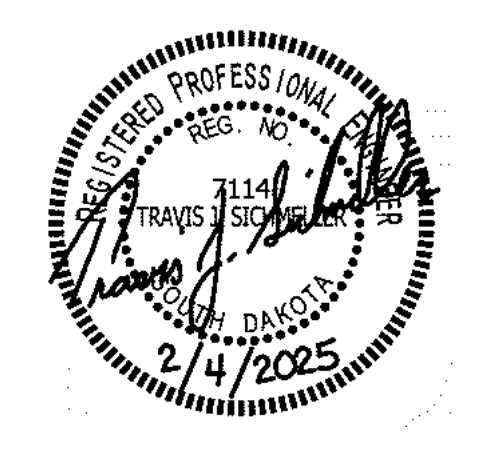
SICHMELLER ENGINEERING

Mechanical & Electrical Engineering

801 Railroad Ave. SE
Aberdeen, SD 57401
Phone: 605-225-4344

www.siceng.biz

SE PROJECT NO: 241000845



ISSUE:
2/4/25 100% CD'S

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
DEMO & PROPOSED - AREA B -
ABOVE GRADE PLUMBING &
HYDRONICS PLAN

M300.B

DEMOLITION GENERAL NOTES:

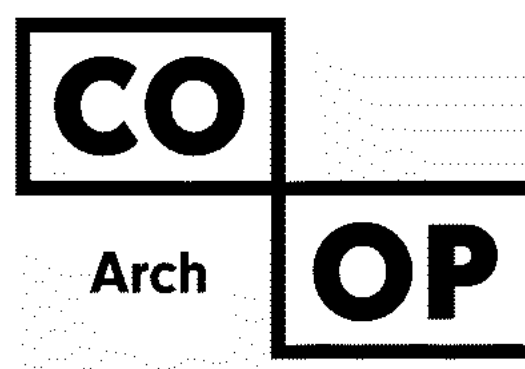
- A. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES, INCLUDING ANY NECESSARY DEMOLITION.
- B. REMOVE MECHANICAL EQUIPMENT IN THE AREAS SHOWN ON THE PLAN, DISCONNECT SERVICES AND REMOVE TO A POINT OUT OF THE WAY OF THE GENERAL DEMOLITION. MARK ON THE PLAN TO CLEARLY SHOW WHERE THESE SERVICES ARE STOPPED. DEMOLITION WORK SHALL BE COORDINATED WITH THE OWNER. SHOULD QUESTIONS ARISE REGARDING THE REMOVAL OF EQUIPMENT, CONFER WITH THE OWNER BEFORE SUCH EQUIPMENT IS DEMOLISHED. MATERIALS REMOVED BY DEMOLITION SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE SPECIFICALLY NOTED. MATERIAL THE OWNER DOES NOT WISH TO RETAIN SHALL BE REMOVED AND DISPOSED OF PROPERLY BY THE CONTRACTOR.
- C. EQUIPMENT SHOWN ON DRAWINGS AS EXISTING IS BASED ON EXISTING PLANS AND LIMITED FIELD INVESTIGATION. THE FIELD SURVEY WAS CONDUCTED TO VERIFY, AS MUCH AS POSSIBLE, THE ACCURACY OF THE LOCATIONS SHOWN. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THE 'EXISTING CONDITIONS' AS SHOWN ON THE DRAWINGS AS THE DEMOLITION WORK PROGRESSES. PERFORM MODIFICATIONS AND ADDITIONS AS NECESSARY TO CORRECT FOR THESE HIDDEN CONDITIONS AND ALLOW FOR THE COMPLETION OF THE NEW WORK.
- D. THE EXISTING BUILDING WILL BE IN USE DURING THIS CONSTRUCTION. SCHEDULE AND CARRY OUT THE WORK IN SUCH A MANNER AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTIONS. TEMPORARY SERVICES SHALL BE INSTALLED IF ONE PHASE OF CONSTRUCTION DISRUPTS SERVICE TO ANOTHER AREA OF THE BUILDING OR IF EQUIPMENT HAS TO BE RELOCATED TO ALLOW CONSTRUCTION TO PROGRESS. SERVICE INTERRUPTIONS SHALL BE CONFINED TO THE SMALLEST AREA POSSIBLE AT ANY ONE TIME AND INTERRUPTIONS SHALL BE SCHEDULED WITH THE OWNER'S SITE REPRESENTATIVE. AFTER SERVICE HAS BEEN RESTORED FOLLOWING AN INTERRUPTION, INSPECT AREAS AFFECTED BY THE INTERRUPTION AND BE RESPONSIBLE FOR RETURNING AUTOMATICALLY CONTROLLED EQUIPMENT TO THE SAME OPERATING CONDITION WHICH EXISTED PRIOR TO THE INTERRUPTION.
- E. PROVIDE PENETRATIONS TO THE BUILDING STRUCTURE AS REQUIRED FOR INSTALLATION. WHERE EXISTING OR TEMPORARY SYSTEMS ARE BEING DEMOLISHED, WHICH LEAVE OPENINGS IN THE EXISTING BUILDING STRUCTURE, THE BUILDING STRUCTURE SHALL BE PATCHED TO MATCH THE EXISTING CONSTRUCTION AND MAINTAIN THE EXISTING BUILDING FIRE RATINGS.

DEMOLITION KEYNOTES:

- 1. PC TO DISCONNECT AND REMOVE EXISTING PLUMBING FIXTURE, FLOOR DRAIN, WASTE, VENTING, DOMESTIC WATER PIPING SHOWN DARK AND DASHED, NATURAL GAS (AS NEEDED) AND INSTALL CAP NEAR MAINS. ALL EXISTING SANITARY WASTE ROUGH-INS UP THRU FLOOR SHALL BE REMOVED TO A POINT BELOW FLOOR AND CAPPED. FLOOR PATCHING BY PC.
- 2. PC TO DISCONNECT AND REMOVE EXISTING FAN COIL UNIT AND ASSOCIATED HWS/HWR, CWS/CWR AND CONDENSATE PIPING SERVING EXISTING FAN COIL.
- 3. PC TO DISCONNECT EXISTING HWS/HWR, CWS/CWR AND CONDENSATE PIPING SERVING EXISTING UNIT VENTILATOR TO ALLOW VC TO REMOVE.
- 4. PC TO DISCONNECT AND REMOVE EXISTING HANGING UNIT HEATER AND ASSOCIATED HWS/HWR PIPING.
- 5. PC TO DISCONNECT AND SALVAGE EXISTING AIR COMPRESSOR AND COMPRESSED AIR PIPING. EXISTING AIR COMPRESSOR TO BE RELOCATED BY OWNER. SEE PROPOSED.
- 6. PC TO DISCONNECT EXISTING HWS/HWR, CWS/CWR AND CONDENSATE PIPING SERVING EXISTING FAN COIL TO ALLOW VC TO REMOVE.
- 7. PC TO DEMO (2) EXISTING WALL BRACKET SUPPORTS FOR EXISTING 5" HWS/HWR. SEE PROPOSED.

GENERAL NOTES:

- A. ALL WORK SHALL BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER.
- B. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING ANY OPENINGS LEFT IN FLOORS, WALLS, AND CEILINGS THAT WERE CAUSED BY HIS/HER ACTIONS. PATCHING SHALL MATCH EXISTING SURFACE IN COLOR, TEXTURE AND QUALITY SO THAT PATCH IS INDISTINGUISHABLE FROM ORIGINAL SURFACE.
- C. ALL PENETRATIONS THROUGH DRAFT STOPS AND OTHER FIRE-RATED PARTITIONS SHALL BE FIRE STOPPED AS PER SPECIFICATIONS AND LOCAL CODES.
- D. ALL MECHANICAL WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, NATIONAL PLUMBING REGULATIONS, AND THE AUTHORITY HAVING JURISDICTION.
- E. THE MECHANICAL DRAWINGS SHOW GENERAL ARRANGEMENT ONLY. EXACT LOCATION SHALL AVOID INTERFERENCE WITH ELECTRICAL EQUIPMENT & REQUIRED ELECTRICAL CLEARANCES.
- F. CONTRACTOR SHALL COORDINATE ALL PLUMBING WITH LIGHT FIXTURES, HVAC, FIRE SPRINKLER, AND STRUCTURAL TO ACCOMMODATE LIMITED CEILING SPACE.
- G. FRESH AIR INTAKES TO BE MINIMUM 10' FROM ANY EXHAUST TERMINATION.
- H. ALL FLOOR EQUIPMENT SHALL BE SET ON 4" HIGH CONCRETE BASES FURNISHED BY THIS CONTRACTOR.
- I. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY THE AVE IMMEDIATELY OF ANY DISCREPANCIES.
- J. COORDINATE NEW SERVICES WITH LOCAL UTILITIES.
- K. PLUMBING CONTRACTOR TO PROVIDE VENTING FOR ALL FLOOR DRAINS, TRENCH DRAINS, AND FLOOR SINKS AS SHOWN OR AS REQUIRED BY CODE.
- L. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR THE TESTING & CLEANING OF EACH RESPECTIVE SYSTEM IN ACCORDANCE WITH APPLICABLE STATE & LOCAL CODES. TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE AUTHORITY HAVING JURISDICTION. WRITTEN NOTIFICATION OF TEST, DATE, AND RESULTS SHALL BE FURNISHED TO THE ENGINEER BEFORE CONCEALING OR COVERING THE INSTALLATION. TESTS SHALL BE REPEATED UNTIL EACH SYSTEM IS PROVEN ACCEPTABLE.



1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

601 Kansas City St. 7
Rapid City, SD 57701
Phone: 605-716-3652

440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

co-oparch.com

SICHMELLER ENGINEERING

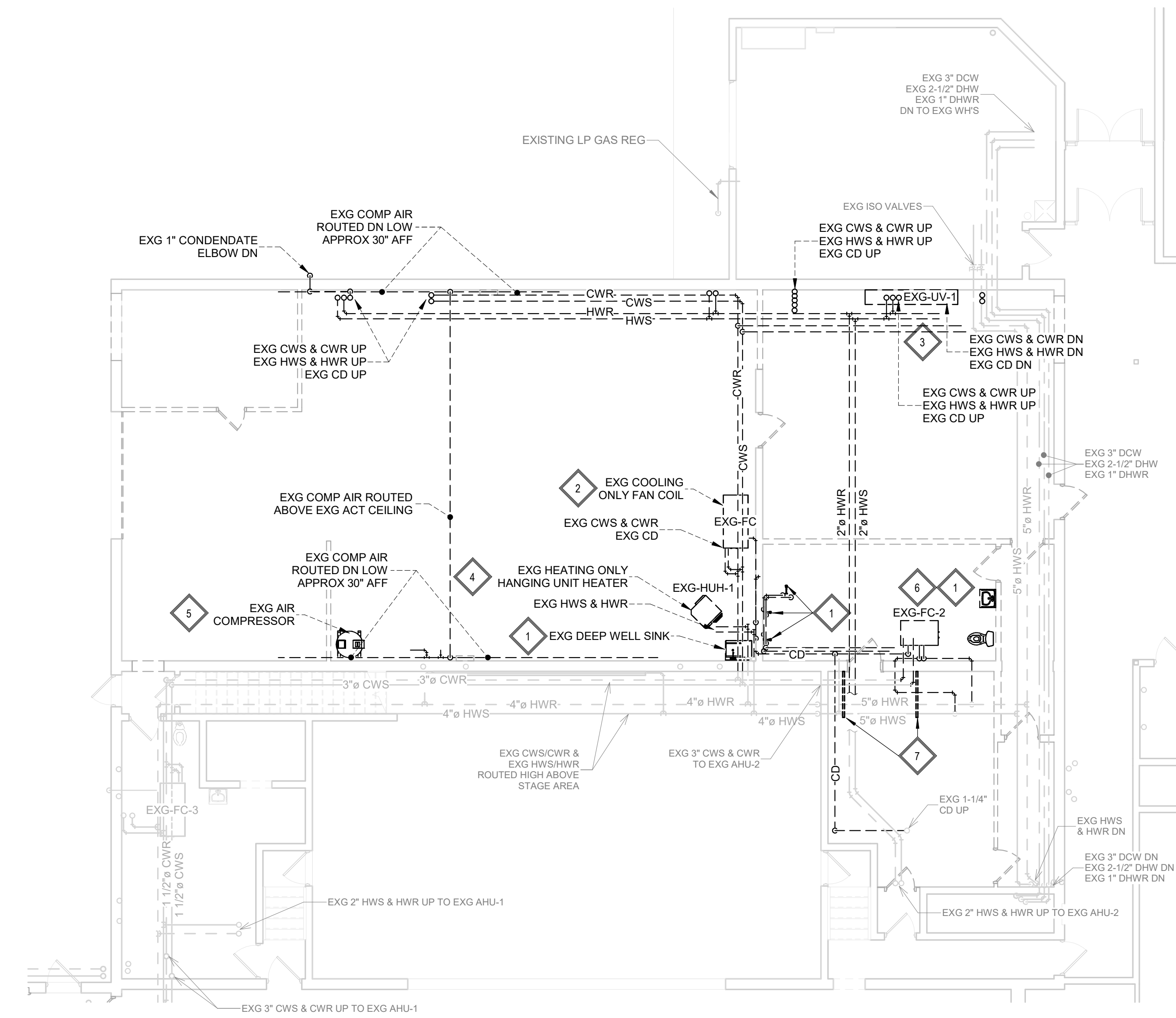
Mechanical & Electrical Engineering

801 Railroad Ave. SE
Aberdeen, SD 57401
Phone: 605-225-4344

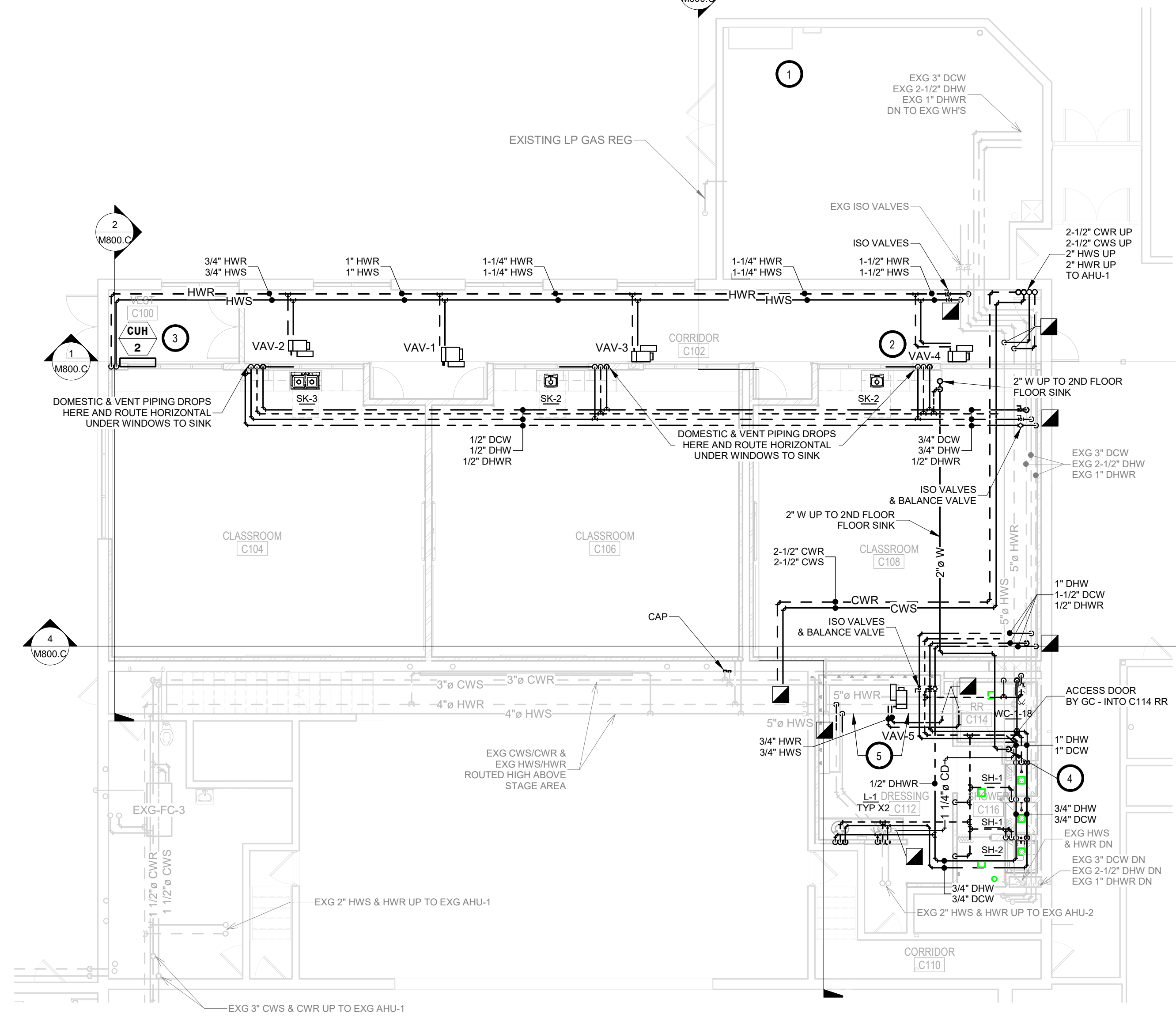
www.siceng.biz

KEYNOTES:

- 1. THIS SPACE IS RESERVED FOR ELECTRICAL GEAR, PIPING AND EQUIPMENT SHALL NOT BE LOCATED IN FRONT OF OR ROUTED ABOVE ELECTRICAL PANELS. COORDINATE WITH DIVISION 26.
- 2. TYPICAL - SEE VAV HEATING COIL PIPING DETAIL.
- 3. SEE CABINET UNIT HEATER PIPING DETAIL.
- 4. SEE INDIRECT CONDENSATE PIPING DIAGRAM.
- 5. PC TO PROVIDE & INSTALL NEW HANGER SUPPORTS FROM EXISTING STRUCTURE ABOVE EXISTING GFDW CEILING AS NECESSARY FOR EXISTING 5" HWS/HWR MAINS THAT REMAIN.



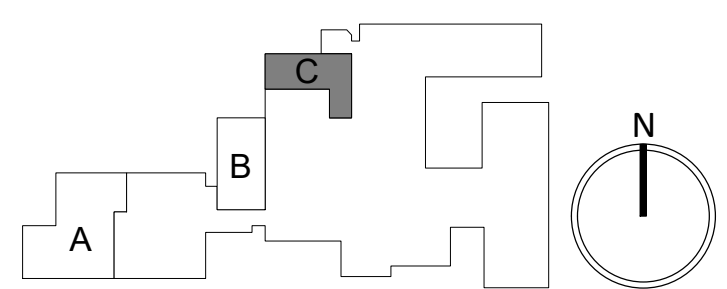
AREA C - FIRST FLOOR - ABOVE GRADE PLUMBING & HYDRONICS DEMOLITION PLAN
1/8" = 1'-0"



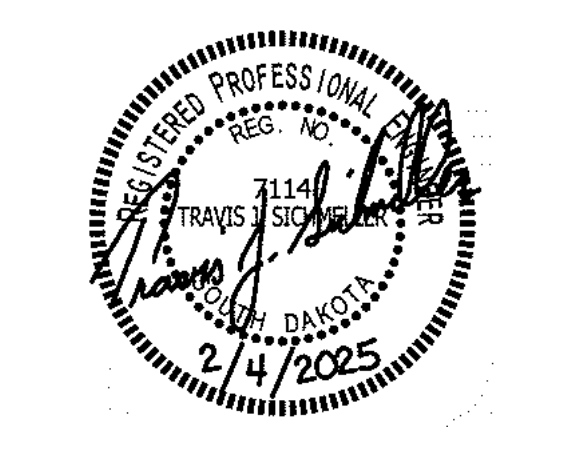
AREA C - FIRST FLOOR - ABOVE GRADE PLUMBING & HYDRONICS PLAN
1/8" = 1'-0"

SPECIAL NOTES:

- A. ALL MECHANICAL SYSTEMS, EXCLUDING DROPS, TO BE INSTALLED AS HIGH AS POSSIBLE TO PROVIDE MAXIMUM CLEARANCES FOR OWNER.



SE PROJECT NO: 241000845



ISSUE:
2/4/25 100% CD'S

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
DEMO & PROPOSED - AREA C -
ABOVE GRADE PLUMBING &
HYDRONICS PLAN

M300.C

DEMOLITION GENERAL NOTES:

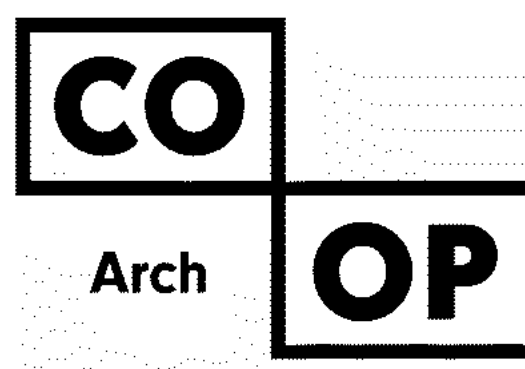
- A. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES, INCLUDING ANY NECESSARY DEMOLITION.
- B. REMOVE MECHANICAL EQUIPMENT IN THE AREAS SHOWN ON THE PLAN, DISCONNECT SERVICES AND REMOVE TO A POINT OUT OF THE WAY OF THE GENERAL DEMOLITION. MARK ON THE PLAN TO CLEARLY SHOW WHERE THESE SERVICES ARE STOPPED. DEMOLITION WORK SHALL BE COORDINATED WITH THE OWNER. SHOULD QUESTIONS ARISE REGARDING THE REMOVAL OF EQUIPMENT, CONFER WITH THE OWNER BEFORE SUCH EQUIPMENT IS DEMOLISHED. MATERIALS REMOVED BY DEMOLITION SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE SPECIFICALLY NOTED. MATERIAL THE OWNER DOES NOT WISH TO RETAIN SHALL BE REMOVED AND DISPOSED OF PROPERLY BY THE CONTRACTOR.
- C. EQUIPMENT SHOWN ON DRAWINGS AS EXISTING IS BASED ON EXISTING PLANS AND LIMITED FIELD INVESTIGATION. THE FIELD SURVEY WAS CONDUCTED TO VERIFY, AS MUCH AS POSSIBLE, THE ACCURACY OF THE LOCATIONS SHOWN. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THE "EXISTING CONDITIONS" AS SHOWN ON THE DRAWINGS AS THE DEMOLITION WORK PROGRESSES. PERFORM MODIFICATIONS AND ADDITIONS AS NECESSARY TO CORRECT FOR THESE HIDDEN CONDITIONS AND ALLOW FOR THE COMPLETION OF THE NEW WORK.
- D. THE EXISTING BUILDING WILL BE IN USE DURING THIS CONSTRUCTION. SCHEDULE AND CARRY OUT THE WORK IN SUCH A MANNER AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTIONS. TEMPORARY SERVICES SHALL BE INSTALLED IF ONE PHASE OF CONSTRUCTION DISRUPTS SERVICE TO ANOTHER AREA OF THE BUILDING OR IF EQUIPMENT HAS TO BE RELOCATED TO ALLOW CONSTRUCTION TO PROGRESS. SERVICE INTERRUPTIONS SHALL BE CONFINED TO THE SMALLEST AREA POSSIBLE AT ANY ONE TIME AND INTERRUPTIONS SHALL BE SCHEDULED WITH THE OWNER'S SITE REPRESENTATIVE. AFTER SERVICE HAS BEEN RESTORED FOLLOWING AN INTERRUPTION, INSPECT AREAS AFFECTED BY THE INTERRUPTION AND BE RESPONSIBLE FOR RETURNING AUTOMATICALLY CONTROLLED EQUIPMENT TO THE SAME OPERATING CONDITION WHICH EXISTED PRIOR TO THE INTERRUPTION.
- E. PROVIDE PENETRATIONS TO THE BUILDING STRUCTURE AS REQUIRED FOR INSTALLATION. WHERE EXISTING OR TEMPORARY SYSTEMS ARE BEING DEMOLISHED, WHICH LEAVE OPENINGS IN THE EXISTING BUILDING STRUCTURE, THE BUILDING STRUCTURE SHALL BE PATCHED TO MATCH THE EXISTING CONSTRUCTION AND MAINTAIN THE EXISTING BUILDING FIRE RATINGS.

DEMOLITION KEYNOTES:

1. PC TO DISCONNECT EXISTING HWS/HWR, CWS/CWR AND CONDENSATE PIPING SERVING EXISTING FAN COIL TO ALLOW VC TO REMOVE.
2. PC TO DISCONNECT EXISTING HWS/HWR, CWS/CWR AND CONDENSATE PIPING SERVING EXISTING UNIT VENTILATOR TO ALLOW VC TO REMOVE.
3. TYPICAL PC TO DISCONNECT AND REMOVE EXISTING HWS/HWR PIPING SERVING EXISTING RADIATION HEAT.

GENERAL NOTES:

- A. ALL WORK SHALL BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER.
- B. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING ANY OPENINGS LEFT IN FLOORS, WALLS, AND CEILING THAT WERE CAUSED BY HIS/HER ACTIONS. PATCHING SHALL MATCH EXISTING SURFACE IN COLOR, TEXTURE AND QUALITY SO THAT PATCH IS INDISTINGUISHABLE FROM ORIGINAL SURFACE.
- C. ALL PENETRATIONS THROUGH DRAFT STOPS AND OTHER FIRE-RATED PARTITIONS SHALL BE FIRE STOPPED AS PER SPECIFICATIONS AND LOCAL CODES.
- D. ALL MECHANICAL WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, NATIONAL PLUMBING REGULATIONS, AND THE AUTHORITY HAVING JURISDICTION.
- E. THE MECHANICAL DRAWINGS SHOW GENERAL ARRANGEMENT ONLY. EXACT LOCATION SHALL AVOID INTERFERENCE WITH ELECTRICAL EQUIPMENT & REQUIRED ELECTRICAL CLEARANCES.
- F. CONTRACTOR SHALL COORDINATE ALL PLUMBING WITH LIGHT FIXTURES, HVAC, FIRE SPRINKLER, AND STRUCTURAL TO ACCOMMODATE LIMITED CEILING SPACE.
- G. FRESH AIR INTAKES TO BE MINIMUM 10' FROM ANY EXHAUST TERMINATION.
- H. ALL FLOOR EQUIPMENT SHALL BE SET ON 4" HIGH CONCRETE BASES FURNISHED BY THIS CONTRACTOR.
- I. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY THE A/E IMMEDIATELY OF ANY DISCREPANCIES.
- J. COORDINATE NEW SERVICES WITH LOCAL UTILITIES.
- K. PLUMBING CONTRACTOR TO PROVIDE VENTING FOR ALL FLOOR DRAINS, TRENCH DRAINS, AND FLOOR SINKS AS SHOWN OR AS REQUIRED BY CODE.
- L. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR THE TESTING & CLEANING OF EACH RESPECTIVE SYSTEM IN ACCORDANCE WITH APPLICABLE STATE & LOCAL CODES. TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE AUTHORITY HAVING JURISDICTION. WRITTEN NOTIFICATION OF TEST, DATE, AND RESULTS SHALL BE FURNISHED TO THE ENGINEER BEFORE CONCEALING OR COVERING THE INSTALLATION. TESTS SHALL BE REPEATED UNTIL EACH SYSTEM IS PROVEN ACCEPTABLE.



1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

601 Kansas City St. 7
Rapid City, SD 57701
Phone: 605-716-3652

440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

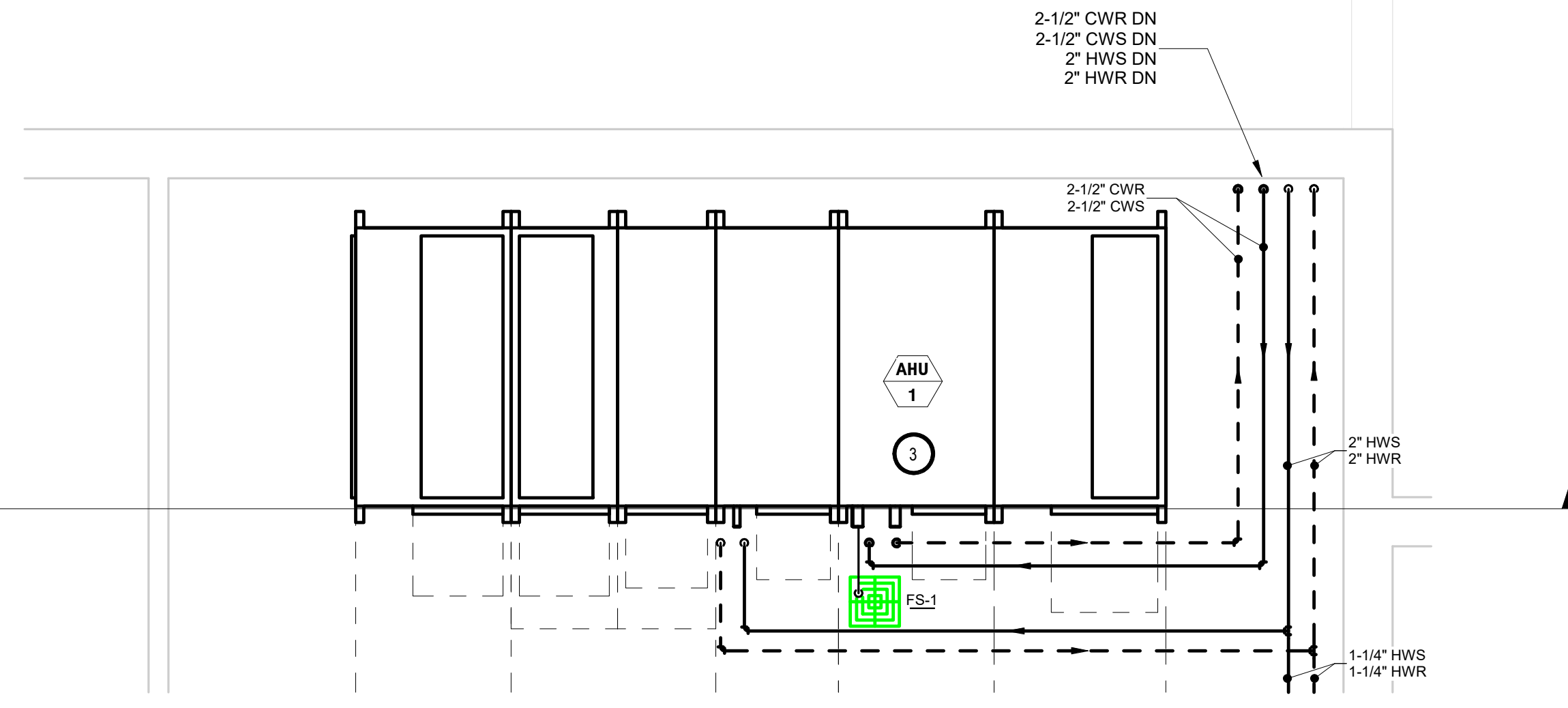
co-oparch.com

SICHELLER ENGINEERING

Mechanical & Electrical Engineering

801 Railroad Ave. SE
Aberdeen, SD 57401
Phone: 605-225-4344

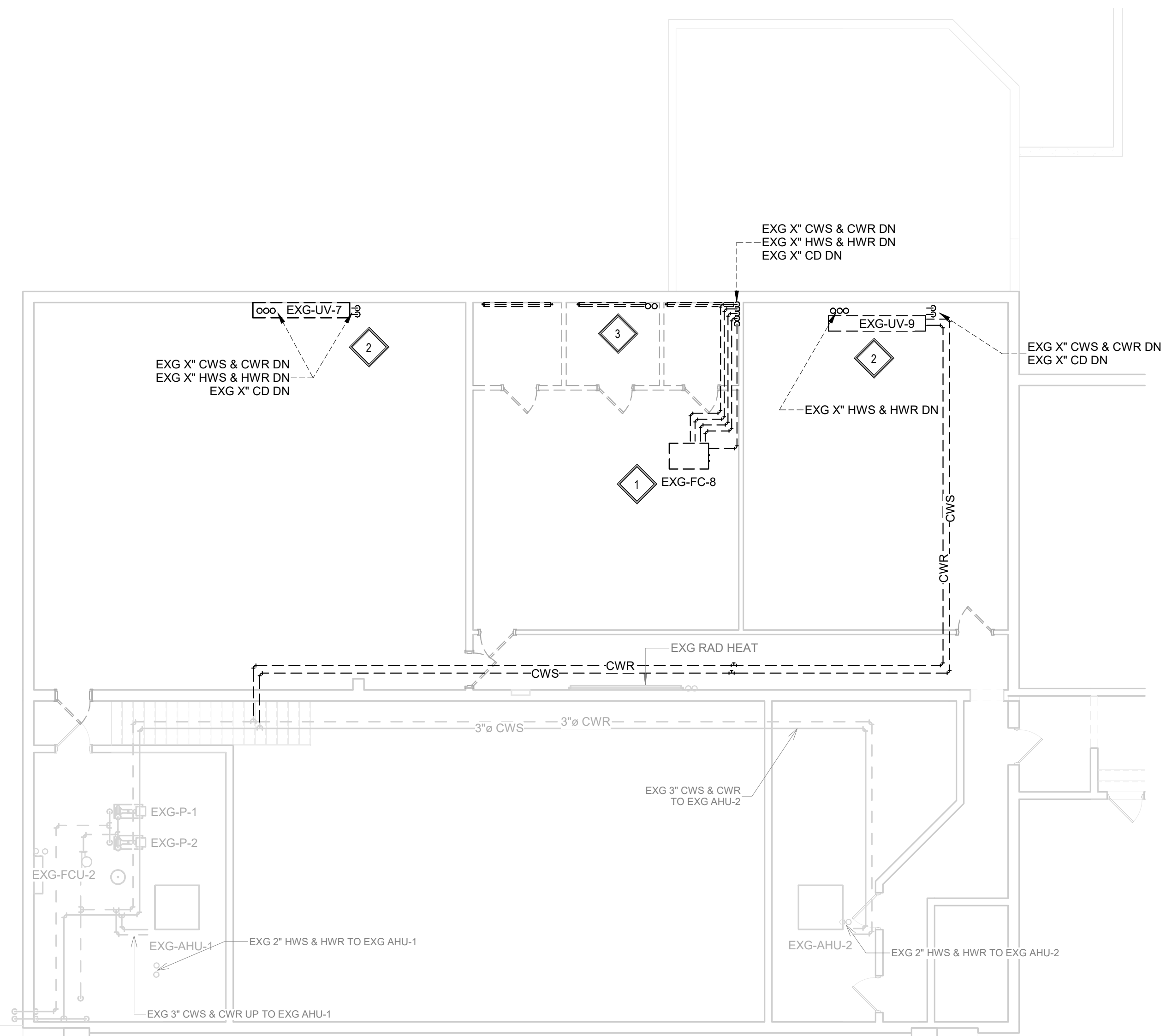
www.siceng.biz



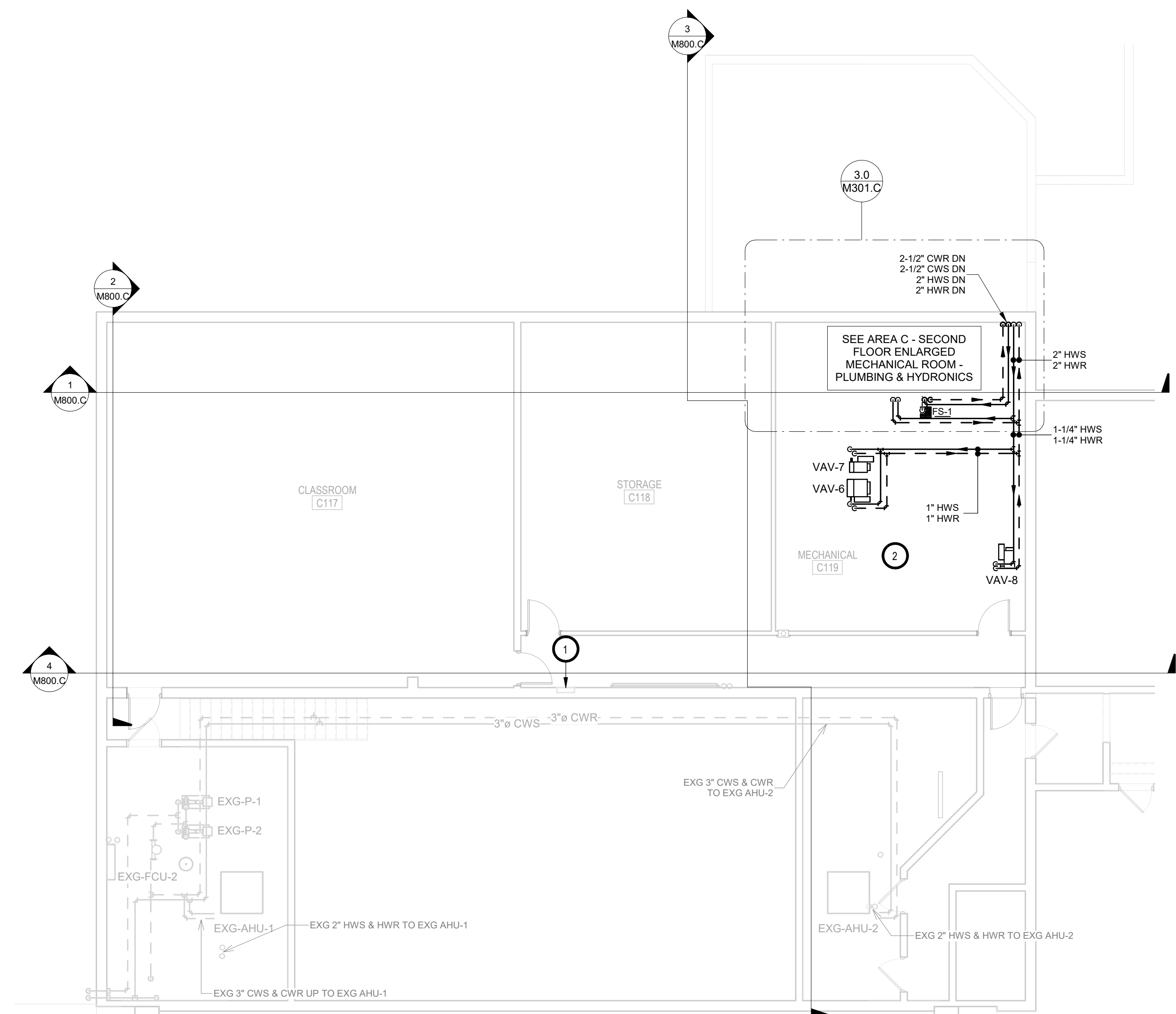
3.0 AREA C - SECOND FLOOR ENLARGED MECHANICAL ROOM - PLUMBING & HYDRONICS
M301.C SCALE: 3/8" = 1'-0"

KEYNOTES:

1. THIS SPACE IS RESERVED FOR ELECTRICAL GEAR. PIPING AND EQUIPMENT SHALL NOT BE LOCATED IN FRONT OF OR ROUTED ABOVE ELECTRICAL PANELS. COORDINATE WITH DIVISION 26.
2. TYPICAL - SEE VAV HEATING COIL PIPING DETAIL.
3. SEE AHU COIL PIPING DETAIL.



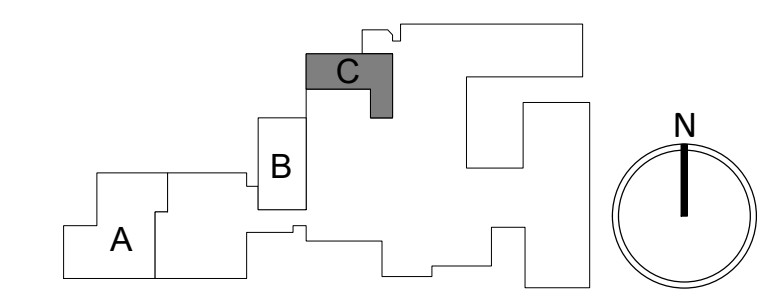
AREA C - SECOND FLOOR - PLUMBING & HYDRONICS DEMOLITION PLAN
1/8" = 1'-0"



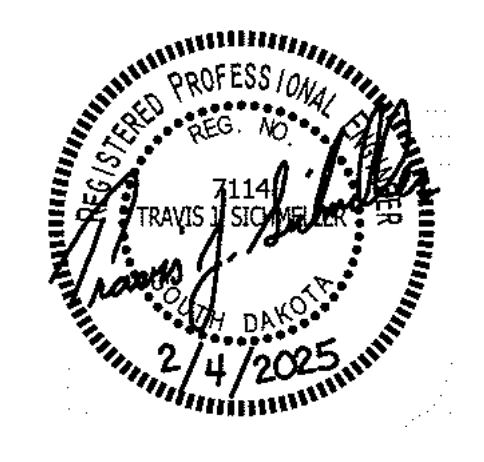
AREA C - SECOND FLOOR - PLUMBING & HYDRONICS PLAN
1/8" = 1'-0"

SPECIAL NOTES:

- A. ALL MECHANICAL SYSTEMS, EXCLUDING DROPS, TO BE INSTALLED AS HIGH AS POSSIBLE TO PROVIDE MAXIMUM CLEARANCES FOR OWNER.



SE PROJECT NO: 241000845



ISSUE:
2/4/25 100% CD'S

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

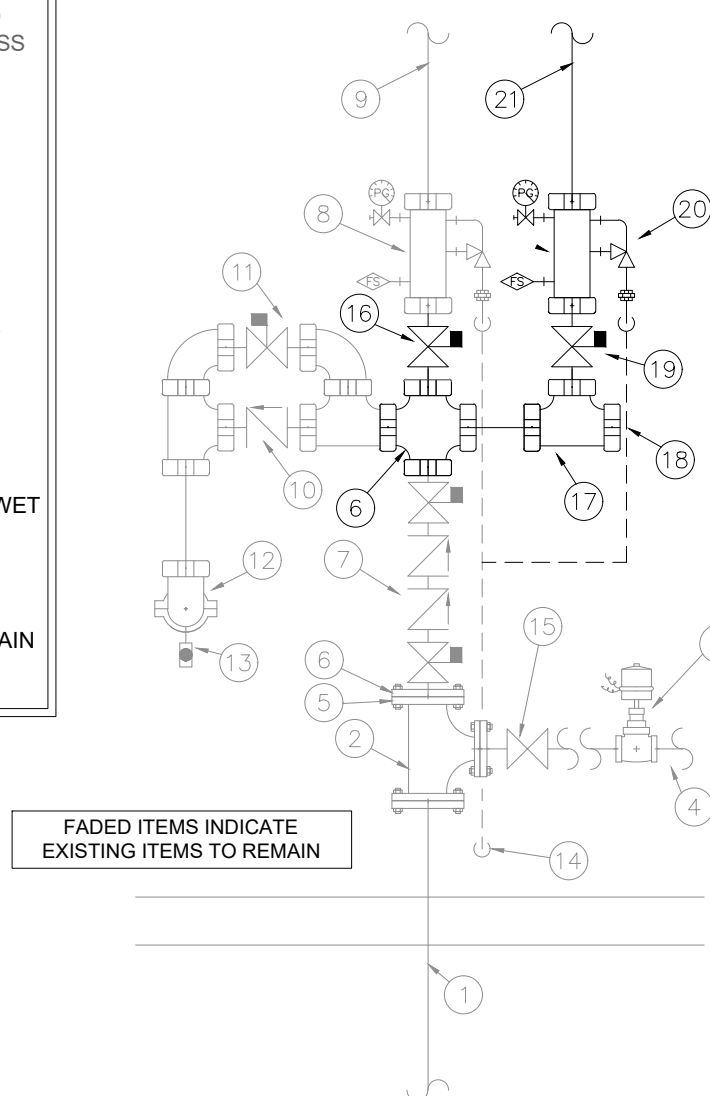
PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
DEMO & PROPOSED - AREA C -
SECOND FLOOR ABOVE GRADE
PLUMBING & HYDRONICS PLAN

M301.C

RISER LEGEND

- 4" COMBINED UNDERGROUND FRSP/DOMESTIC WATER SERVICE
- FLANGED TEE - BY PLUMBING CONTRACTOR
- 120 V NORMALLY CLOSED SOLENOID VALVE - SUPPLIED & INSTALLED BY PLUMBING CONTRACTOR WIRED BY ELECTRICAL CONTRACTOR. VALVE TO CLOSE UPON FLOW SWITCH ACTIVATION (WITH TIME DELAY) & DURING LOSS OF POWER
- OUT TO DOMESTIC
- 4" SERVICE FLANGE
- FRSP CONTRACTOR START POINT @ EXISTING TEE. REPLACE W/ CROSS
- 4" AMES COLT 2000 DOUBLE CHECK VALVE BACKFLOW PREVENTER W/ SUPERVISED BUTTERFLY VALVES
- 4" RISER MANIFOLD W/ FLOW SWITCH, PRESSURE GAUGE, & TEST & MAIN DRAIN W/ PRESSURE RELIEF VALVE
- OUT TO EXISTING NORTH WET ZONE #1
- 4" FDC CHECK VALVE
- 4" BACKFLOW PREVENTER TEST BUTTERFLY CONTROL VALVE (NORMALLY CLOSED)
- 4" OUT TO FDC
- 3" AUTOMATIC BALL DRIP VALVE
- 2" MAIN DRAIN DISCHARGE TO BUILDING'S EXTERIOR
- DOMESTIC WATER ISOLATION VALVE
- ADD 4" SUPERVISED GROOVED BUTTERFLY VALVE FOR EXISTING NORTH WET ZONE #1 (NORMALLY OPEN)
- GROOVED TEE
- GROOVED CAP
- SUPERVISED GROOVED BUTTERFLY VALVE (NORMALLY OPEN)
- RISER MANIFOLD W/ FLOW SWITCH, PRESSURE GAUGE, & TEST & MAIN DRAIN W/ PRESSURE RELIEF VALVE
- OUT TO NORTH WET ZONE #2



FADED ITEMS INDICATE EXISTING ITEMS TO REMAIN

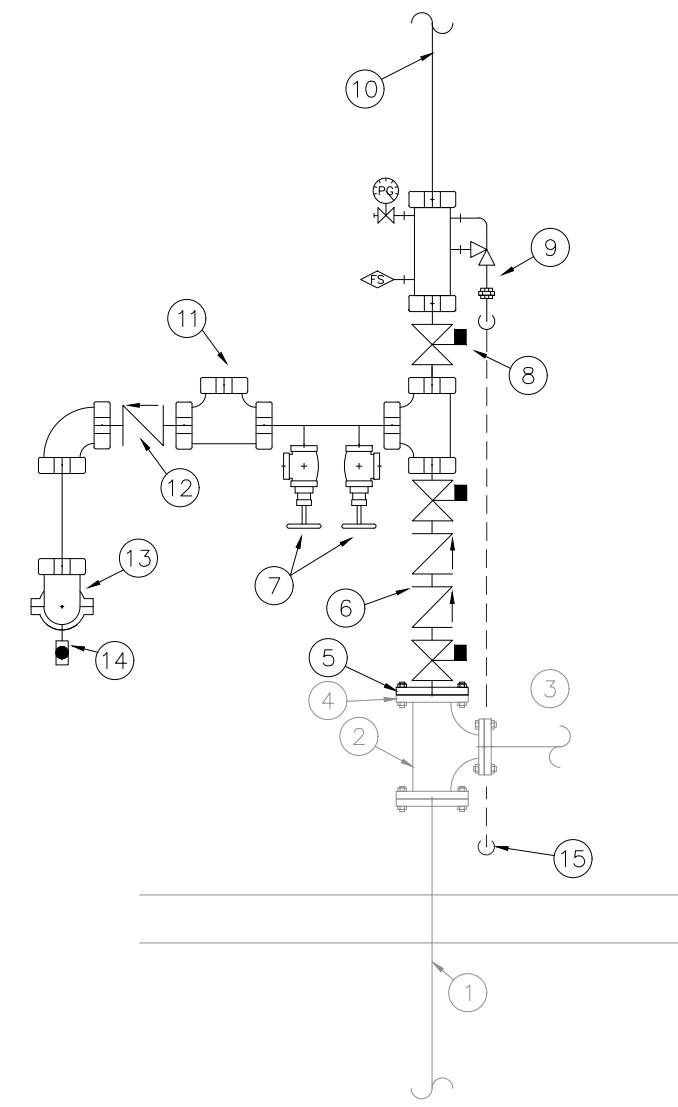
A REMODELED EXISTING FIRE PROTECTION - RISER DETAIL - NORTH
NO SCALE

RISER LEGEND

- 6" COMBINED UNDERGROUND FRSP/DOMESTIC WATER SERVICE - BY PLUMBING CONTRACTOR
- FLANGED TEE - BY PLUMBING CONTRACTOR
- OUT TO DOMESTIC - BY PLUMBING CONTRACTOR
- 6" SERVICE FLANGE - BY PLUMBING CONTRACTOR
- FRSP CONTRACTOR START POINT
- DOUBLE CHECK VALVE BACKFLOW PREVENTER W/ SUPERVISED BUTTERFLY VALVES
- 2" BRASS FIRE HOSE VALVES W/ CAP FOR BACKFLOW TESTING
- SUPERVISED BUTTERFLY VALVE (NORMALLY OPEN)
- RISER MANIFOLD W/ FLOW SWITCH, PRESSURE GAUGE, & TEST & MAIN DRAIN W/ PRESSURE RELIEF VALVE
- OUT TO SOUTH WET ZONE #1
- CAPPED TEE FOR FUTURE ZONE
- FDC CHECK VALVE
- OUT TO FDC
- AUTOMATIC BALL DRIP VALVE
- MAIN DRAIN DISCHARGE TO BUILDING'S EXTERIOR

NOTES:

- PIPE AFTER FDC CHECK VALVE & EXTERNAL DOUBLE CHECK BACKFLOW TEST BUTTERFLY VALVE TO BE SCH. 40
- ALL DRAIN PIPE TO BE SCH. 40
- ALL PIPE & FITTINGS THAT PENETRATE EXTERIOR WALLS SHALL BE GALVANIZED



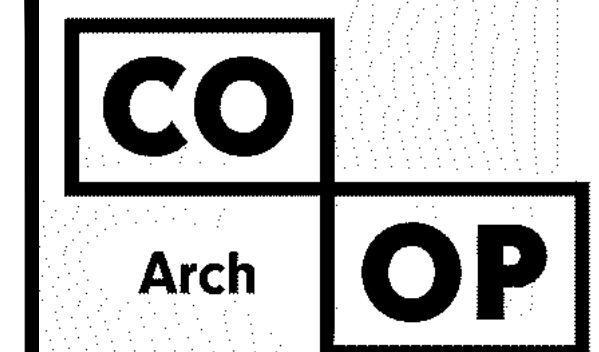
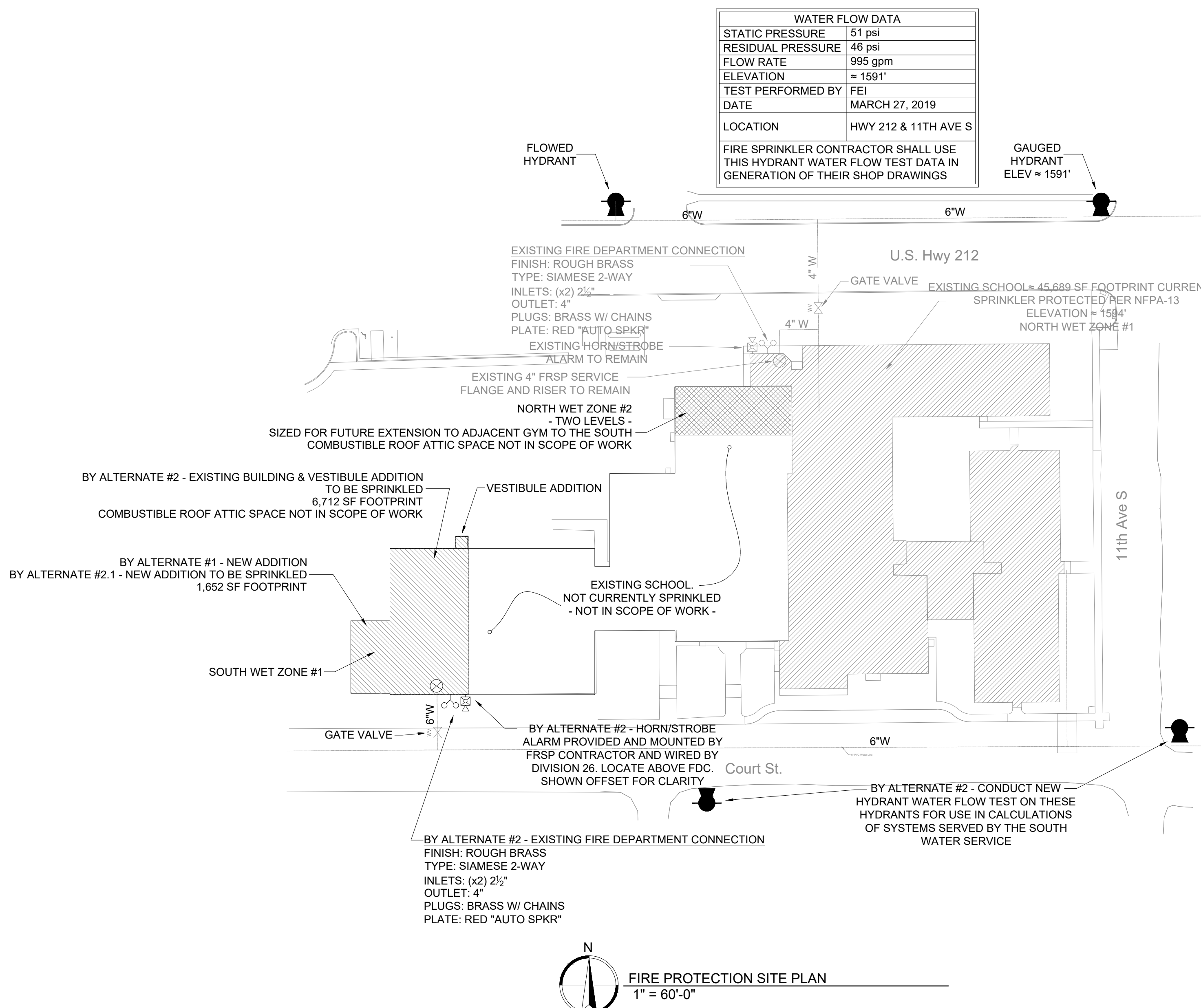
B FIRE PROTECTION - RISER DETAIL - SOUTH - BY ADD ALTERNATE #2
NO SCALE

- GENERAL NOTES:**
- THIS PROJECT INCLUDES THE DESIGN AND INSTALLATION OF ONE (1) WET SYSTEM ZONE SERVED BY A NEW WATER SERVICE ON THE SOUTH SIDE OF THE BUILDING AS PART OF ALTERNATE #2 FOR THE PORTION OF THE EXISTING BUILDING AND ADDITION INDICATED ON THE PLANS. ALSO A NEW WET SYSTEM IS TO BE ADDED TO THE EXISTING NORTH WATER SERVICE/RISER FOR PROTECTION OF THE ADJACENT TWO STORY EXISTING CLASSROOM SPACES AS OUTLINED ON THE PLANS. SYSTEMS TO BE DESIGNED PER NFPA 13 (2016 ed.) AND LOCAL BUILDING CODES. THE SYSTEMS WILL BE SUPPLIED BY AN EXISTING NORTH 4" UNDERGROUND WATER SERVICE LINE AND A NEW SOUTH 6" UNDERGROUND WATER SERVICE FED BY THE CITY'S UNDERGROUND WATER SYSTEM.
 - FINAL PIPE SIZING AND LOCATION IS TO BE DETERMINED BY THE FIRE SPRINKLER CONTRACTOR AND IS SUBJECT TO APPROVAL BY THE ENGINEER. NOT ALL REQUIRED PIPING IS SHOWN.
 - REFER TO SPECIFICATION DIVISION 21 1000 FOR ADDITIONAL FIRE SPRINKLER SYSTEM INFORMATION.
 - ALL SPRINKLERS IN LIGHT HAZARD OCCUPANCIES ARE TO BE OF THE QUICK RESPONSE TYPE.
 - SPRINKLERS ARE REQUIRED TO BE PROTECTED DURING PAINTING.
 - SPRINKLERS SHALL BE LOCATED IN THE CENTER POINT OF SQUARE CEILING TILES AND ALLOWED TO BE IN THE QUARTER AND/OR CENTER POINTS OF RECTANGULAR CEILING TILES.
 - SPRINKLER GUARDS ARE TO BE INSTALLED ON ALL EXPOSED SPRINKLERS ELEVATED BELOW 7'-0" AND THROUGHOUT AREAS WHERE HEADS ARE EXPOSED TO INTERFERENCE DAMAGE.
 - ALL SYSTEMS PIPING AND FITTINGS TO MEET THE REQUIREMENTS OF NFPA 13.
 - REQUIRED SYSTEM TESTING IS THE RESPONSIBILITY OF THE FIRE SPRINKLER CONTRACTOR PER NFPA 25.
 - NOT ALL REQUIRED SPRINKLERS AND PIPING ARE SHOWN. CONSIDERATION OF ADDITIONAL SPRINKLERS, PIPING, AND FITTINGS DUE TO INTERFERENCE WITH OTHER TRADES, OBSTRUCTIONS, IMPROVED AESTHETICS, OR OWNER/HAJ REQUESTS SHALL BE MADE PRIOR TO BID BY THE FIRE SPRINKLER CONTRACTOR.
 - FIRE SPRINKLER CONTRACTOR TO PROVIDE ALL NECESSARY MATERIAL, INCLUDING BUT NOT LIMITED TO: SPRINKLERS, PIPING, VALVES, AND LABOR TO PROVIDE A COMPLETE SYSTEM TO COMPLY WITH NFPA 13 AND LOCAL BUILDING CODES. ALL HYDRAULIC CALCULATIONS AND PIPE SIZING ARE THE RESPONSIBILITY OF THE FIRE SPRINKLER CONTRACTOR. ANY AND ALL CLARIFICATIONS TO BID DOCUMENTS SHALL BE MADE PRIOR TO BID. UPRIGHT SPRINKLERS TO HAVE A BRASS FINISH THROUGHOUT, UNLESS NOTED OTHERWISE.
 - ALL GROOVED STEEL PIPING SHALL BE SCHEDULE 10 MINIMUM.
 - ALL THREADED STEEL PIPING SHALL BE SCHEDULE 40.
 - ALL DRY PIPING SHALL BE SCHEDULE 40.
 - ALL PIPING THAT PENETRATES AN EXTERIOR WALL SHALL BE GALVANIZED SCHEDULE 40.
 - ALL THREADED FITTINGS SHALL BE DUCTILE IRON.
 - ALL PIPE & FITTINGS EXPOSED TO BUILDING'S EXTERIOR SHALL BE GALVANIZED. LISTED FLEX PIPING TO PENDENT HEADS IN CEILING IS ALLOWED FOR THIS PROJECT IF PROVEN HYDRAULICALLY.
 - CPIC IS NOT ALLOWED FOR THIS PROJECT.
 - ALL MATERIAL BEING INSTALLED MUST BE NEW AND LISTED FOR USE.
 - THE FIRE SPRINKLER CONTRACTOR SHALL VERIFY LOCATIONS AND ROUTING OF PIPE PRIOR TO BID. NO ALLOWANCES FOR EXTRA FITTINGS, PIPING, SPRINKLERS, ETC. WILL BE ALLOWED AFTER AWARD OF CONTRACT.
 - PIPING SHOWN ON THESE PLANS IS CONCEPTUAL BUT SHALL BE CLOSELY FOLLOWED BY THE FIRE SPRINKLER CONTRACTOR. ANY MAJOR CHANGES TO WHAT IS BEING INDICATED ON THESE PLANS SHALL FIRST BE APPROVED BY THE ARCHITECT AND ENGINEERS.
 - ALL ARCHITECTURAL, MECHANICAL, STRUCTURAL, CIVIL, & ELECTRICAL FEATURES INDICATED ON THE PP SHEETS SHALL BE VERIFIED BY CONSULTING THE A. M. S. C. & E SHEETS.
 - ALL SPRINKLERS LOCATED NEAR HEAT PRODUCING DEVICES SHALL BE PROVIDED WITH THE APPROPRIATE TEMPERATURE RATING PER THE REQUIREMENTS OF NFPA 13.
 - THESE PLANS SHALL BE USED AS A GENERAL GUIDE IN THE GENERATION OF THE FIRE SPRINKLER CONTRACTOR'S BID AND MAY NOT INTENDED TO INDICATE THE ENTIRE EXTENT OF SPRINKLER PROTECTION REQUIRED. ANY AREAS REQUIRED TO BE PROTECTED PER NFPA 13 THAT MAY OR MAY NOT BE SHOWN WITH PROTECTION ON THESE PLANS SHALL BE INCLUDED IN THE CONTRACTOR'S BID. NO ALLOWANCES FOR EXTRAS WILL BE ALLOWED AFTER AWARD OF CONTRACT.
 - SPARE SPRINKLERS SHALL BE PROVIDED PER THE REQUIREMENTS OF NFPA 13.
 - CONTRACTOR TO PROVIDE OWNER WITH COPY OF NFPA 25 OCCUPANCY HAZARD CLASSIFICATIONS:
 - SEE PLAN FOR HAZARD NOTATIONS. ALL AREAS TO BE DESIGNED AS LIGHT HAZARD UNLESS NOTED OTHERWISE
 - LIGHT HAZARD OCCUPANCIES
 - 0.10 gpm/ft² PER MOST DEMANDING 1500 ft²
 - ORDINARY HAZARD GROUP 1 OCCUPANCIES
 - 0.15 gpm/ft² PER MOST DEMANDING 1500 ft²
 - ORDINARY HAZARD GROUP 2 OCCUPANCIES
 - 0.20 gpm/ft² PER MOST DEMANDING 1500 ft²
 - REMOTE AREA REDUCTIONS WILL BE ALLOWED PER NFPA 13
 - REMOTE AREA INCREASES ARE REQUIRED PER NFPA 13
 - REQUIRED SYSTEM PRESSURE SHALL BE A MINIMUM OF 5 PSI LESS THAN THAT WHICH IS AVAILABLE AT SPRINKLER SYSTEM DEMAND PLUS HOSE ALLOWANCE

SYM	POSITION	FINISH	TEMP	K	NPT	SIN	MFG	MODEL#	NOTES	ESCUOTCHEON
●	PENDENT	WHITE	155	8.0	3/4"	TY4331	TYCO	TY-FRB	1, 2, 3, 4	RECESSED
●	PENDENT	WHITE	155	11.2	3/4"	TY6237	TYCO	EC-11	1, 2, 3, 4	RECESSED
●	PENDENT	WHITE	200	5.6	1"	TY3255	TYCO	DS-1	1, 4	RECESSED
○	UPRIGHT	BRASS	200	5.6	1/2"	TY3131	TYCO	TY-FRB	1, 2, 4	NONE
○	UPRIGHT	WHITE	200	5.6	1/2"	TY3131	TYCO	TY-FRB	1, 2, 4	NONE
○	UPRIGHT	BRASS	200	5.6	1/2"	TY3131	TYCO	TY-FRB	1, 2, 4	NONE

- OR EQUAL
- INTERMEDIATE TEMPERATURE RATED HEADS SHALL BE USED IN ALL MECHANICAL AND ELECTRICAL ROOMS
- STANDARD COVERAGE OR EXTENDED COVERAGE SPRINKLERS MAY BE USED AT THE CONTRACTOR'S OPTION WHERE PROVEN HYDRAULICALLY
- ALL SPRINKLERS NEAR HEAT PRODUCING DEVICES SHALL BE PROVIDED WITH THE APPROPRIATE TEMPERATURE RATING PER THE REQUIREMENTS OF NFPA 13

C FIRE PROTECTION - SPRINKLER LEGEND
NO SCALE



1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

601 Kansas City St. 7
Rapid City, SD 57701
Phone: 605-716-3652

440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

co-oparch.com

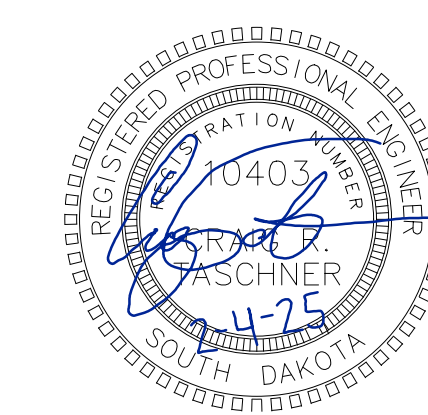
SICHMELLER ENGINEERING

Mechanical & Electrical Engineering

801 Railroad Ave. SE
Aberdeen, SD 57401
Phone: 605-225-4344

www.siceng.biz

SE PROJECT NO: 241000845



ISSUE:

2/4/25 100% CD

REVISION SCHEDULE:

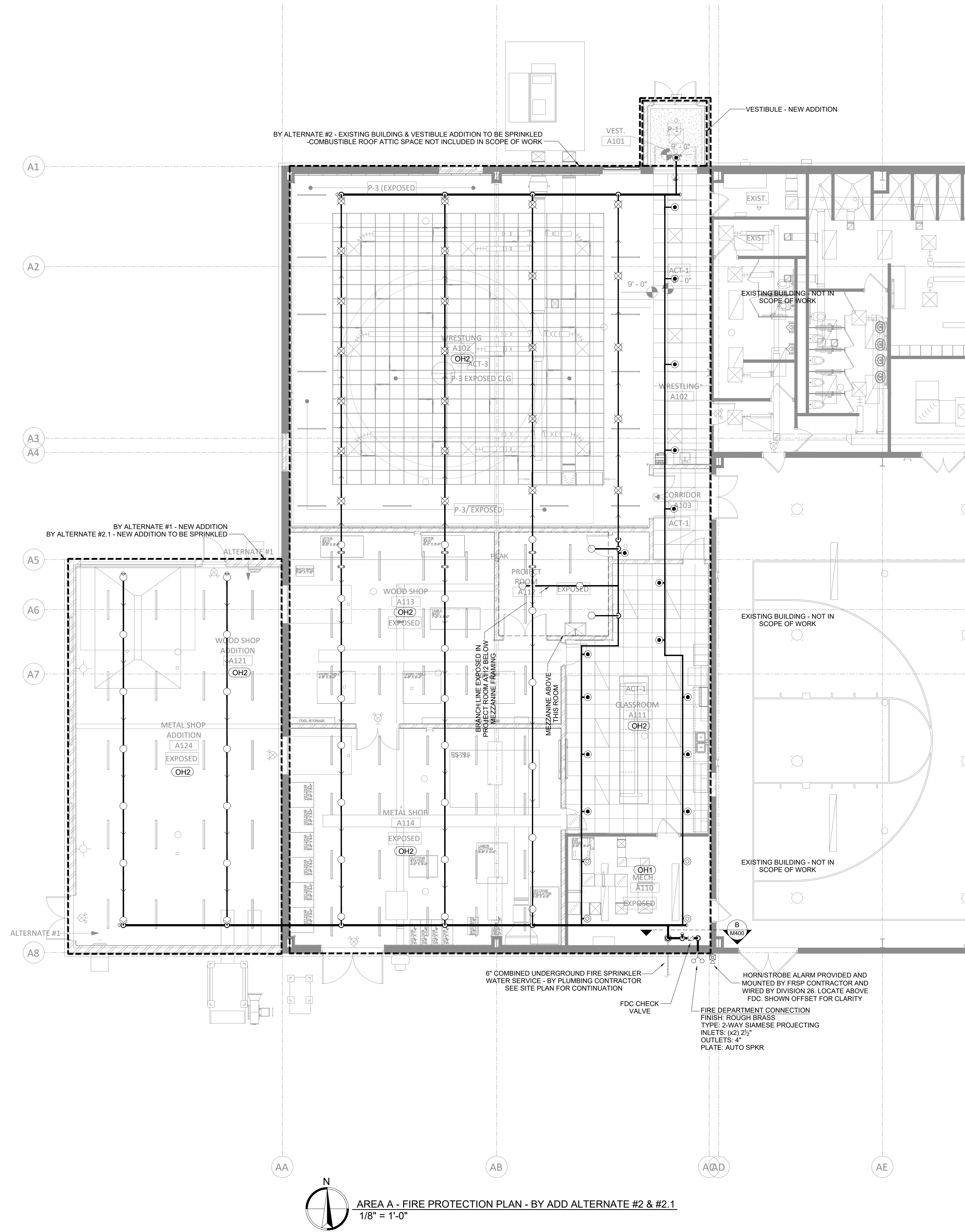
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
FAULKTON AREA SCHOOL
FAULKTON, SOUTH DAKOTA

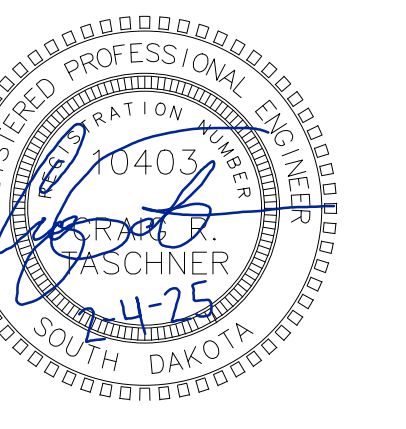
SHEET TITLE:
FIRE PROTECTION - LEGEND & DETAILS

M400

FIRE ENGINEERING
PO BOX 386 SIOUX FALLS, SD 57101
PHONE: (605) 543-5170 • FAX: (605) 543-5171
WWW.FIRE-ENGR.COM
FIRE PROTECTION ENGINEERING CONSULTANTS



SE PROJECT NO: 241000845



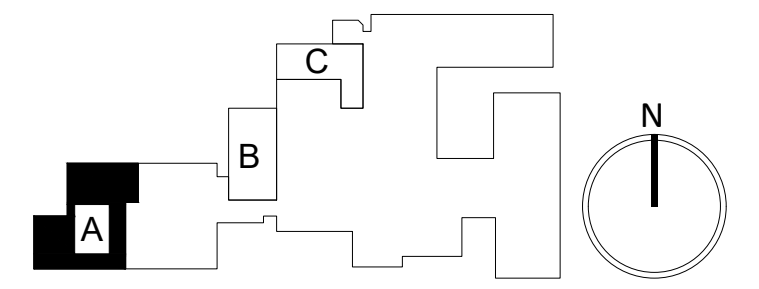
ISSUE:
2/4/25 100% CD

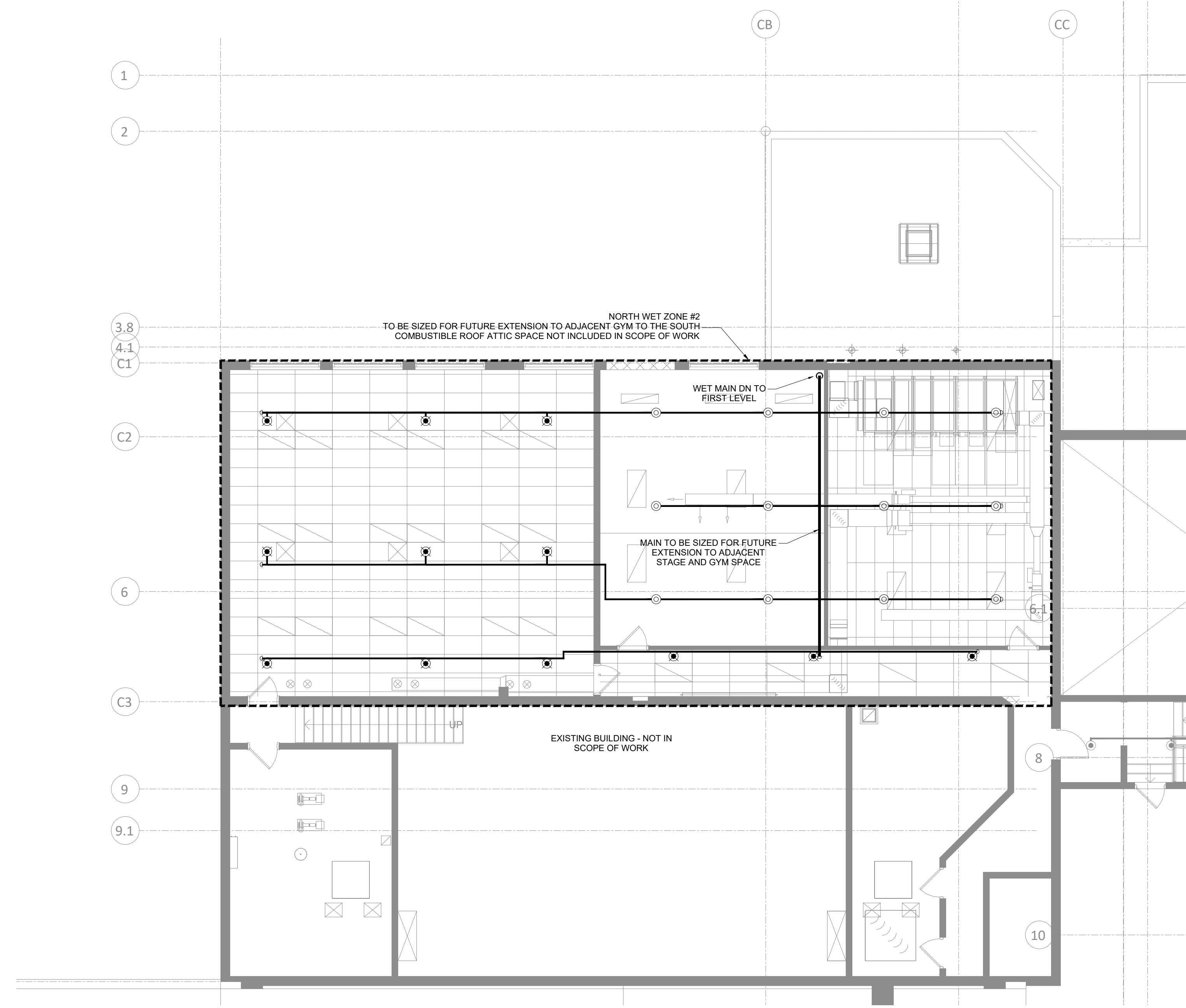
REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
FAULKTON AREA SCHOOL
FAULKTON, SOUTH DAKOTA

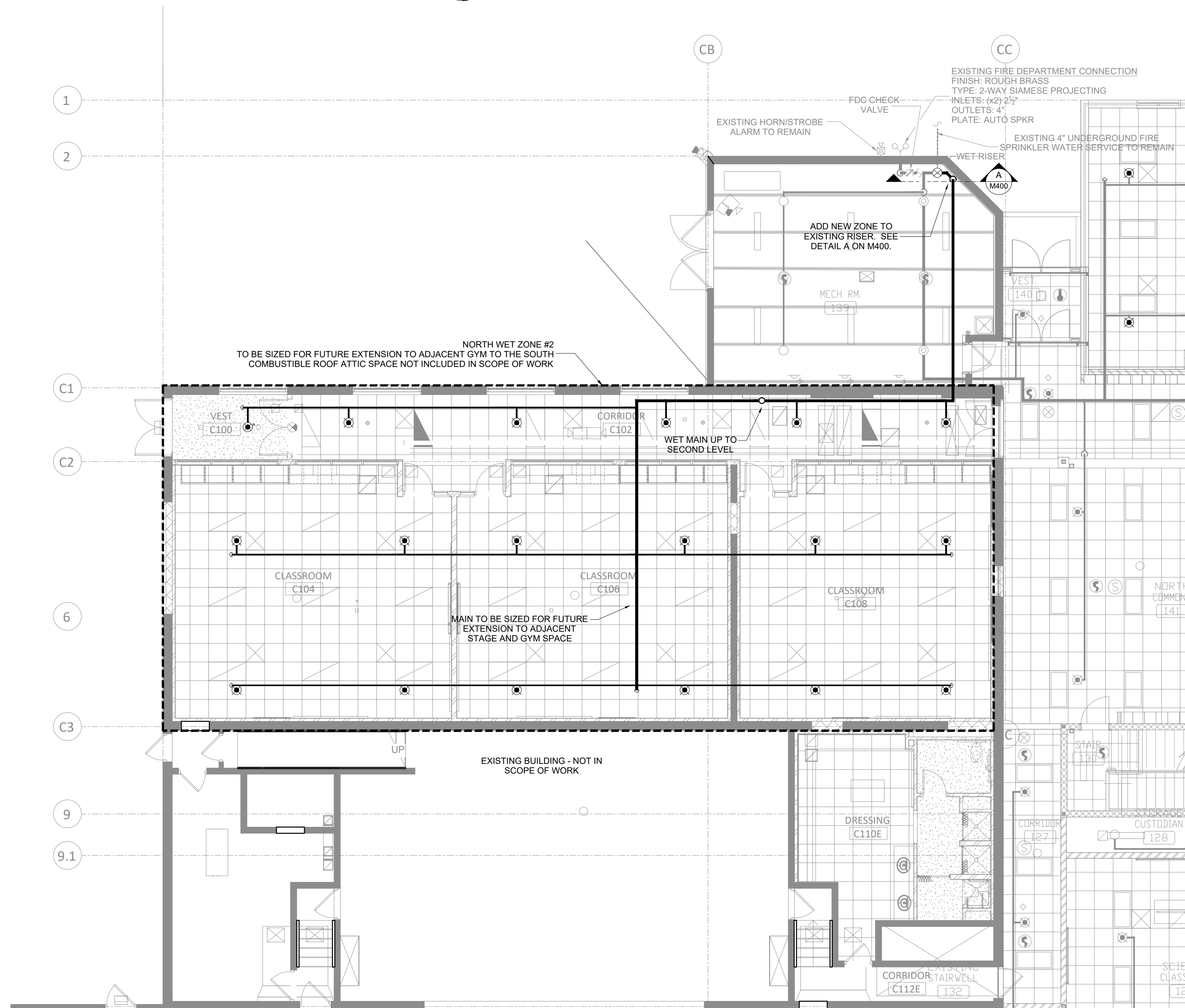
SHEET TITLE:
AREA A - FIRE PROTECTION
PLAN - BY ADD ALTERNATE #2 &
#2.1

M400.A



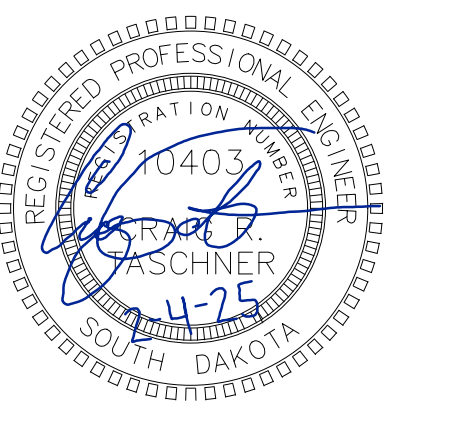


AREA C - SECOND LEVEL FIRE PROTECTION PLAN
1/8" = 1'-0"



AREA C - FIRST LEVEL FIRE PROTECTION PLAN
1/8" = 1'-0"

SE PROJECT NO: 241000845



ISSUE:

2/4/25 100% CD

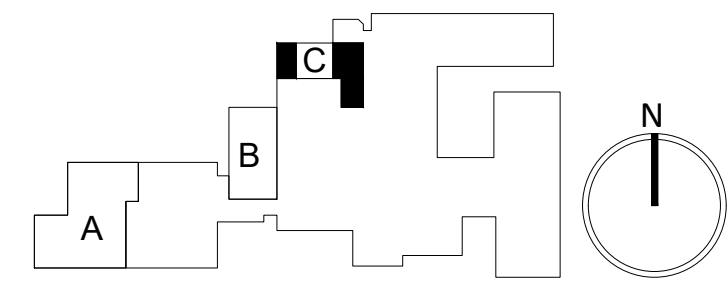
REVISION SCHEDULE:

REV. #	REV. DSC.	REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
FAULKTON AREA SCHOOL
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
AREA C - FIRE PROTECTION PLAN

M400.C



DEMOLITION GENERAL NOTES:

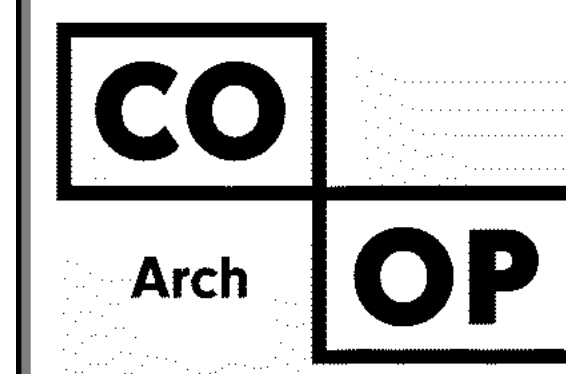
- A. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES, INCLUDING ANY NECESSARY DEMOLITION.
- B. REMOVE MECHANICAL EQUIPMENT IN THE AREAS SHOWN ON THE PLAN, DISCONNECT SERVICES AND REMOVE TO A POINT OUT OF THE WAY OF THE GENERAL DEMOLITION. MARK ON THE PLAN TO CLEARLY SHOW WHERE THESE SERVICES ARE STOPPED. DEMOLITION WORK SHALL BE COORDINATED WITH THE OWNER. SHOULD QUESTIONS ARISE REGARDING THE REMOVAL OF EQUIPMENT, CONFERENCE WITH THE OWNER BEFORE SUCH EQUIPMENT IS DEMOLISHED. MATERIALS REMOVED BY DEMOLITION SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE SPECIFICALLY NOTED. MATERIAL THE OWNER DOES NOT WISH TO RETAIN SHALL BE REMOVED AND DISPOSED OF PROPERLY BY THE CONTRACTOR.
- C. EQUIPMENT SHOWN ON DRAWINGS AS EXISTING IS BASED ON EXISTING PLANS AND LIMITED FIELD INVESTIGATION. THE FIELD SURVEY WAS CONDUCTED TO VERIFY, AS MUCH AS POSSIBLE, THE ACCURACY OF THE LOCATIONS SHOWN. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THE EXISTING CONDITIONS AS SHOWN ON THE DRAWINGS AS THE DEMOLITION WORK PROGRESSES. PERFORM MODIFICATIONS AND ADDITIONS AS NECESSARY TO CORRECT FOR THESE HIDDEN CONDITIONS AND ALLOW FOR THE COMPLETION OF THE NEW WORK.
- D. THE EXISTING BUILDING WILL BE IN USE DURING THIS CONSTRUCTION. SCHEDULE AND CARRY OUT THE WORK IN SUCH A MANNER AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTIONS. TEMPORARY SERVICES SHALL BE INSTALLED IF ONE PHASE OF CONSTRUCTION DISRUPTS SERVICE TO ANOTHER AREA OF THE BUILDING OR IF EQUIPMENT HAS TO BE RELOCATED TO ALLOW CONSTRUCTION TO PROGRESS. SERVICE INTERRUPTIONS SHALL BE CONFINED TO THE SMALLEST AREA POSSIBLE AT ANY ONE TIME AND INTERRUPTIONS SHALL BE SCHEDULED WITH THE OWNER'S SITE REPRESENTATIVE. AFTER SERVICE HAS BEEN RESTORED FOLLOWING AN INTERRUPTION, INSPECT AREAS AFFECTED BY THE INTERRUPTION AND BE RESPONSIBLE FOR RETURNING AUTOMATICALLY CONTROLLED EQUIPMENT TO THE SAME OPERATING CONDITION, WHICH EXISTED PRIOR TO THE INTERRUPTION.
- E. PROVIDE PENETRATIONS TO THE BUILDING STRUCTURE AS REQUIRED FOR INSTALLATION. WHERE EXISTING OR TEMPORARY SYSTEMS ARE BEING DEMOLISHED, WHICH LEAVE OPENINGS IN THE EXISTING BUILDING STRUCTURE, THE BUILDING STRUCTURE SHALL BE PATCHED TO MATCH THE EXISTING CONSTRUCTION AND MAINTAIN THE EXISTING BUILDING FIRE RATINGS.

DEMOLITION KEYNOTES:

1. VC TO DISCONNECT AND REMOVE DUCTWORK AND REGISTERS SHOWN DARK AND DASHED. SEE PROPOSED.
2. VC TO DISCONNECT AND REMOVE EXISTING RANGEHOOD AND WALL CAP. GC TO PATCH.
3. TYPICAL - TC TO DEMO EXISTING I-STATS AND DDC TEMPERATURE CONTROLS.
4. VC TO DISCONNECT AND REMOVE EXISTING AIR HANDLING UNIT, CONDENSING UNIT, REFRIGERATION LINESETS, AND DUCTWORK SHOWN DARK AND DASHED. EXISTING HOUSEKEEPING PAD TO REMAIN. SEE PROPOSED.
5. EXISTING LOUVER TO REMAIN. REMOVE ASSOCIATED DUCTWORK SHOWN DARK AND DASHED. SEE PROPOSED.

GENERAL NOTES:

- A. ALL WORK SHALL BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER.
- B. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING ANY OPENINGS LEFT IN FLOORS, WALLS, AND CEILINGS THAT WERE CAUSED BY HISHER ACTIONS. PATCHINGS SHALL MATCH EXISTING SURFACE IN COLOR, TEXTURE AND QUALITY SO THAT PATCH IS INDISTINGUISHABLE FROM ORIGINAL SURFACE.
- C. ALL PENETRATIONS THROUGH DRAFT STOPS AND OTHER FIRE-RATED PARTITIONS SHALL BE FIRE STOPPED AS PER SPECIFICATIONS AND LOCAL CODES.
- D. ALL MECHANICAL WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, NATIONAL PLUMBING REGULATIONS, AND THE AUTHORITY HAVING JURISDICTION.
- E. THE MECHANICAL DRAWINGS SHOW GENERAL ARRANGEMENT ONLY. EXACT LOCATION SHALL AVOID INTERFERENCE WITH ELECTRICAL EQUIPMENT & REQUIRED ELECTRICAL CLEARANCES.
- F. COORDINATE INSTALLATION OF ALL HVAC WITH PLUMBING, FIRE SPRINKLER, LIGHT FIXTURES, AND STRUCTURE TO ACCOMMODATE LIMITED CEILING SPACE.
- G. FOR SIMPLICITY DUCT INSULATION NOT SHOWN, DUCT SIZES INDICATED ON DRAWING ARE INTERNAL DIMENSIONS. AS NEEDED ADJUST ACTUAL SIZE FOR INSULATION THICKNESS AS SPECIFIED.
- H. ALL FLEXIBLE DUCTWORK AND CONNECTORS BETWEEN THE LOW PRESSURE DUCTWORK AND THE DIFFUSERS SHALL BE THE SIZE OF THE DIFFUSER INLET.
- I. PROVIDE & INSTALL VIBRATION ISOLATION ON ALL HANGING EQUIPMENT. PROVIDE & INSTALL VIBRATION ABSORPTION MOUNTING PADS ON ALL EQUIPMENT MOUNTED ON FLOOR.
- J. PROVIDE AND INSTALL DURODINE FLEX DUCT CONNECTORS AT ALL EQUIPMENT CONNECTIONS.
- K. ALL DUCTWORK TO BE SEALED AIRTIGHT.
- L. FRESH AIR INTAKES TO BE MINIMUM 10' FROM ANY EXHAUST TERMINATION.
- M. ALL FLOOR EQUIPMENT SHALL BE SET ON 4" HIGH CONCRETE BASES FURNISHED BY THIS CONTRACTOR.
- N. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR THE TESTING & CLEANING OF EACH RESPECTIVE SYSTEM IN ACCORDANCE WITH APPLICABLE STATE & LOCAL CODES. TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE AUTHORITY HAVING JURISDICTION. WRITTEN NOTIFICATION OF TEST, DATE, AND RESULTS SHALL BE FURNISHED TO THE ENGINEER BEFORE CONCEALING OR COVERING THE INSTALLATION. TESTS SHALL BE REPEATED UNTIL EACH SYSTEM IS PROVEN ACCEPTABLE.



1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

601 Kansas City St. 7
Rapid City, SD 57701
Phone: 605-716-3652

440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

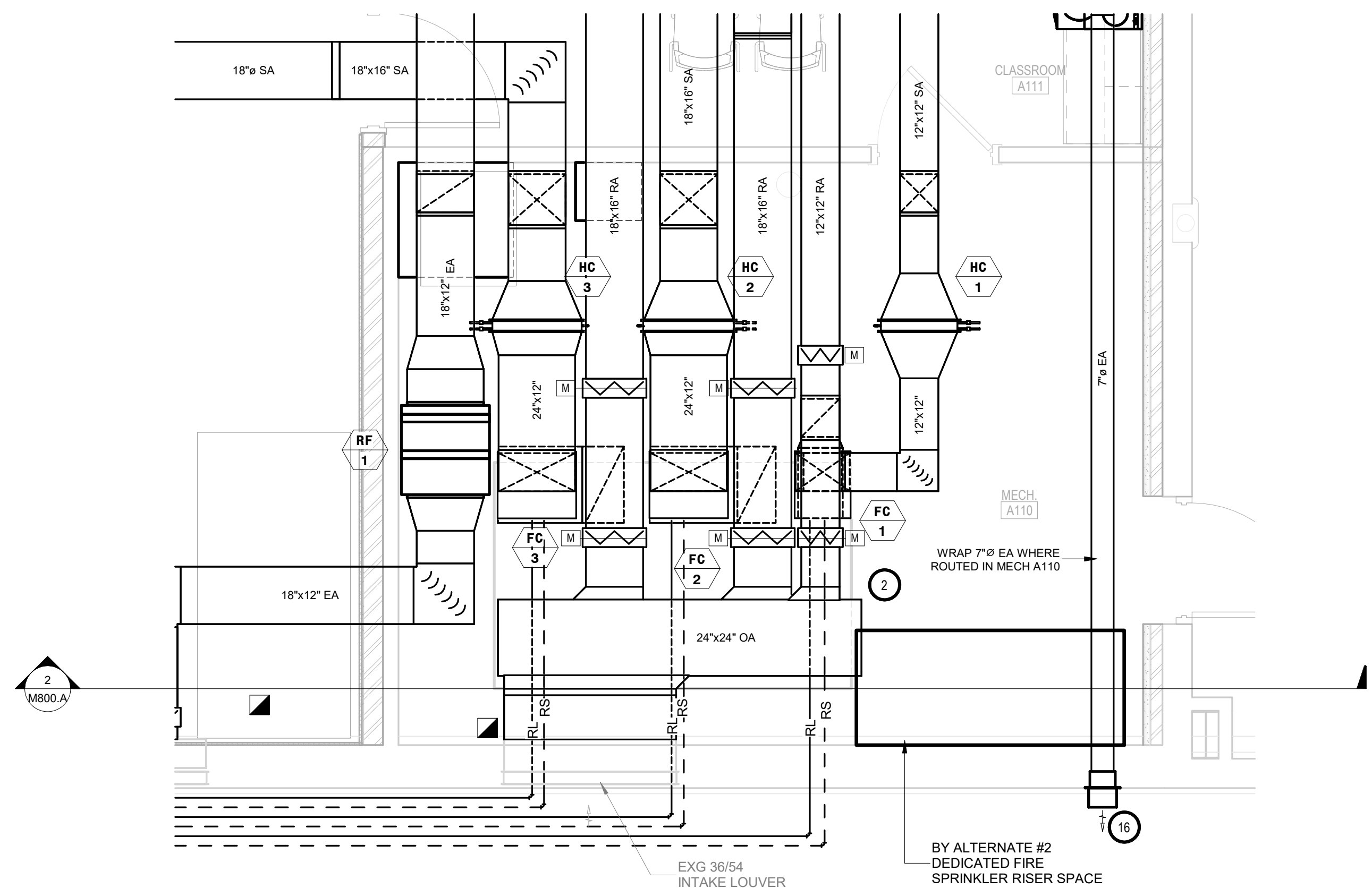
co-oparch.com

SICHMELLER ENGINEERING

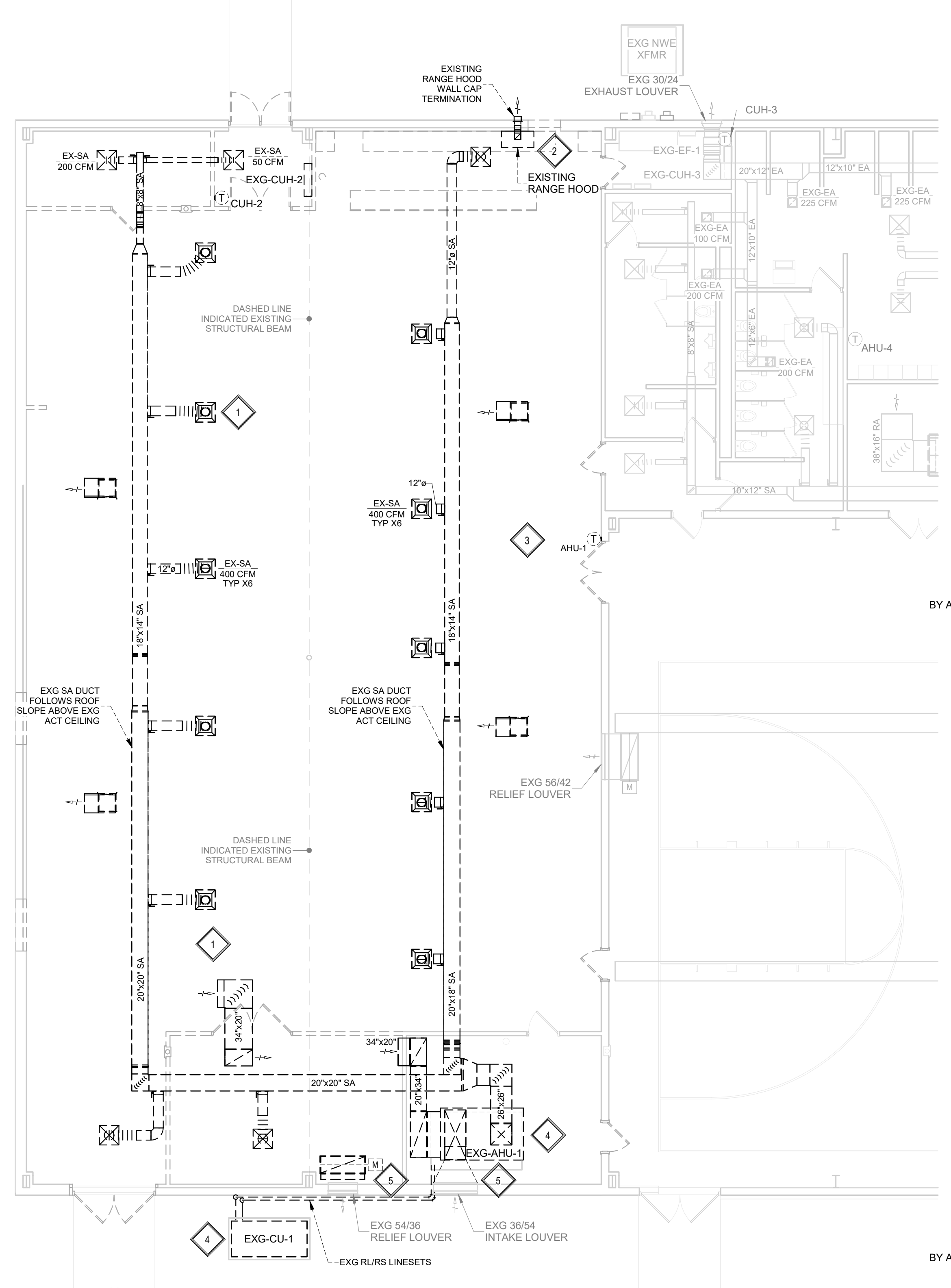
Mechanical & Electrical Engineering

801 Railroad Ave. SE
Aberdeen, SD 57401
Phone: 605-225-4344

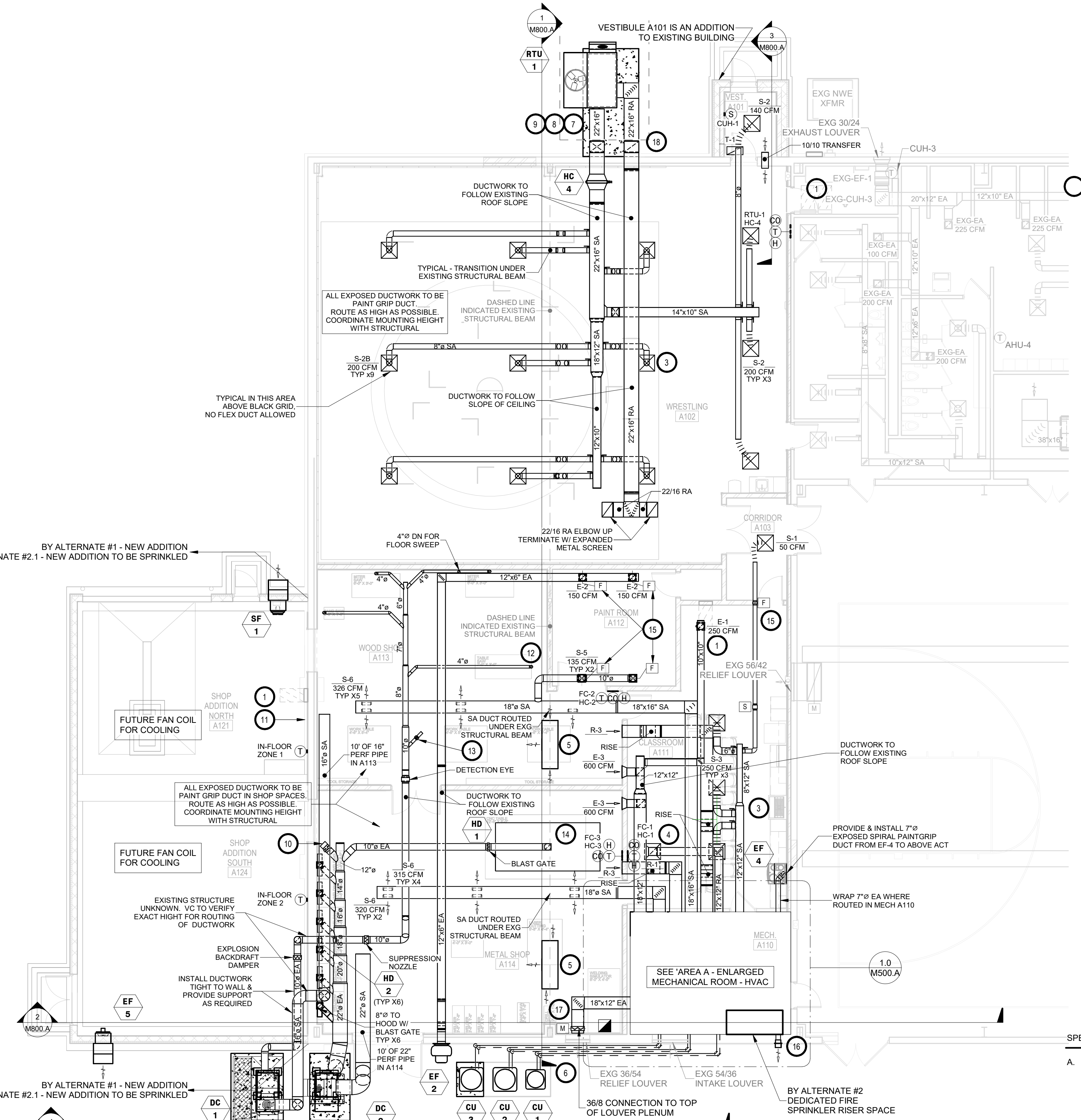
www.sicm.biz



1.0 AREA A - ENLARGED MECHANICAL ROOM - HVAC
M500.A SCALE: 3/8" = 1'-0"



1/8" = 1'-0" AREA A - FIRST FLOOR - HVAC DEMOLITION PLAN



1/8" = 1'-0" AREA A - FIRST FLOOR - HVAC PLAN

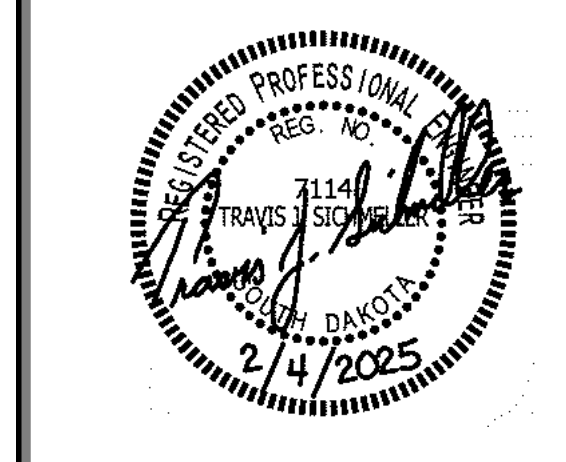
KEYNOTES:

1. THIS SPACE IS RESERVED FOR ELECTRICAL GEAR. PIPING AND EQUIPMENT SHALL NOT BE LOCATED IN FRONT OF OR ROUTED ABOVE ELECTRICAL PANELS. COORDINATE WITH DIVISION 26.
2. VENTILATION CONTRACTOR TO PROVIDE AND INSTALL EXTERNAL INSULATION. SEE HVAC SHEET METAL DUCTWORK CONSTRUCTION & INSULATION SCHEDULE.
3. TYPICAL - SEE TYPICAL DIFFUSER CONNECTION DETAIL.
4. TYPICAL - SEE INSULATED RETURN ELBOW DETAIL.
5. VC TO INSTALL RELOCATED AIR CLEANER AC-1 & AC-2 & ACCESSORIES. INSTALL BOTTOM OF UNIT 8'-6" AFF. CONFIRM EXACT HEIGHT WITH MANUFACTURER'S INSTALLATION REQUIREMENTS.
6. UV RESISTANT REFRIGERANT LIQUID & SUCTION LINE SETS BY VENTILATION CONTRACTOR SHALL BE SECURED UNIFORMLY ON UNISTRUT STRAPPED TO BUILDING & SHALL BE NEAT IN APPEARANCE. (GENERAL ARRANGEMENT OF LINE SETS ROUTING SHOWN).
7. PROVIDE & INSTALL WATER TIGHT SHEET METAL "CRICKET" AND COLLAR AT HORIZONTAL BUILDING PENETRATION TO PREVENT MIGRATION OF PRECIPITATION INTO BUILDING.
8. PROVIDE & INSTALL VENTURE CLAD JACKETING VENTURE CLAD 157CW-E STUCCO EMBOSSED JACKETING ON ALL SIDES. FOR EXTERIOR APPLICATION. THE TOP OF ALL DUCTWORK IS TO BE CROWNED (PITCHED) TO ALLOW WATER RUNOFF AND PREVENT POOLING.
9. WATER TIGHT CAULK ALL AROUND AT ALL PENETRATIONS.
10. STUB OUT 10" EXHAUST AIR WITH BLAST GATE AND EXPANDED METAL SCREEN FOR FUTURE. BALANCE TO 1000 CFM.
11. BY ADD ALTERNATE #1, TEMPERATURE CONTROL CONTRACTOR TO PROVIDE & INSTALL BRASCH GSE2-NOM-120 GAS DETECTOR WITH NID AND CO SENSOR. SEE CONTROL SEQUENCES IN SPECIFICATIONS. TC TO PROVIDE & INSTALL LIGHTED PILOT SWITCH NEAR DETECTOR TO OVERIDE FANS ON. NEW DETECTOR SHALL ENABLE EXHAUST & SUPPLY FANS.
12. TYPICAL - DUST COLLECTOR DROP. 4" RIGID WITH BLASTGATE @ 5' AFF. PROVIDE 10' OF FLEX DUCTWORK TO EQUIPMENT TERMINATIONS. TRIM EXCESS AFTER EQUIPMENT INSTALLATION. COORDINATE WITH OWNER.
13. STUB OUT 4" EXHAUST AIR WITH BLASTGATE AND EXPANDED METAL SCREEN. BALANCE TO 400 CFM.
14. VC TO COORDINATE LOCATION OF PLASMA TABLE EXHAUST HOOD WITH OWNER.
15. BY ALTERNATE #2 - OMIT FIRE DAMPERS.
16. PROVIDE & INSTALL COATED WALL CAP W/ BACKDRAFT DAMPER. COLOR SELECTION BY ARCHITECT.
17. VC TO PROVIDE & INSTALL INSULATED SHEET METAL CAPPLENUM @ EXISTING 36/54 LOUVER. INSTALL NEW RELIEF AIR DUCT INTO PLENUM AS HIGH AS POSSIBLE.
18. VC TO PROVIDE & INSTALL UNISTRUT FRAME TO SUPPORT DUCTWORK FROM CONCRETE PAD. FRAMES TO SIT ON PREMANUFACTURED ROOF BLOCKS. IT WILL NOT BE ACCEPTABLE TO MOUNT UNISTRUT DIRECT TO CONCRETE.

SPECIAL NOTES:

- A. ALL MECHANICAL SYSTEMS, EXCLUDING DROPS, TO BE INSTALLED AS HIGH AS POSSIBLE TO PROVIDE MAXIMUM CLEARANCES FOR OWNER.

SE PROJECT NO: 241000845



ISSUE: 2/4/25 100% CDS

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
DEMO & PROPOSED - AREA A - HVAC PLAN

M500.A

DEMOLITION GENERAL NOTES:

A. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES, INCLUDING ANY NECESSARY DEMOLITION.

B. REMOVE MECHANICAL EQUIPMENT IN THE AREAS SHOWN ON THE PLAN, DISCONNECT SERVICES AND REMOVE TO A POINT OUT OF THE WAY OF THE GENERAL DEMOLITION. MARK ON THE PLAN TO CLEARLY SHOW WHERE THESE SERVICES ARE STOPPED. DEMOLITION WORK SHALL BE COORDINATED WITH THE OWNER. SHOULD QUESTIONS ARISE REGARDING THE REMOVAL OF EQUIPMENT, CONFER WITH THE OWNER BEFORE SUCH EQUIPMENT IS DEMOLISHED. MATERIALS REMOVED BY DEMOLITION SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE SPECIFICALLY NOTED. MATERIAL THE OWNER DOES NOT WISH TO RETAIN SHALL BE REMOVED AND DISPOSED OF PROPERLY BY THE CONTRACTOR.

C. EQUIPMENT SHOWN ON DRAWINGS AS EXISTING IS BASED ON EXISTING PLANS AND LIMITED FIELD INVESTIGATION. THE FIELD SURVEY WAS CONDUCTED TO VERIFY, AS MUCH AS POSSIBLE, THE ACCURACY OF THE LOCATIONS SHOWN. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THE EXISTING CONDITIONS AS SHOWN ON THE DRAWINGS AS THE DEMOLITION WORK PROGRESSES. PERFORM MODIFICATIONS AND ADDITIONS AS NECESSARY TO CORRECT FOR THESE HIDDEN CONDITIONS AND ALLOW FOR THE COMPLETION OF THE NEW WORK.

D. THE EXISTING BUILDING WILL BE IN USE DURING THIS CONSTRUCTION. SCHEDULE AND CARRY OUT THE WORK IN SUCH A MANNER AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTIONS. TEMPORARY SERVICES SHALL BE INSTALLED IF ONE PHASE OF CONSTRUCTION DISRUPTS SERVICE TO ANOTHER AREA OF THE BUILDING OR IF EQUIPMENT HAS TO BE RELOCATED TO ALLOW CONSTRUCTION TO PROGRESS. SERVICE INTERRUPTIONS SHALL BE CONFINED TO THE SMALLEST AREA POSSIBLE AT ANY ONE TIME AND INTERRUPTIONS SHALL BE SCHEDULED WITH THE OWNER'S SITE REPRESENTATIVE. AFTER SERVICE HAS BEEN RESTORED FOLLOWING AN INTERRUPTION, INSPECT AREAS AFFECTED BY THE INTERRUPTION AND BE RESPONSIBLE FOR RETURNING AUTOMATICALLY CONTROLLED EQUIPMENT TO THE SAME OPERATING CONDITION, WHICH EXISTED PRIOR TO THE INTERRUPTION.

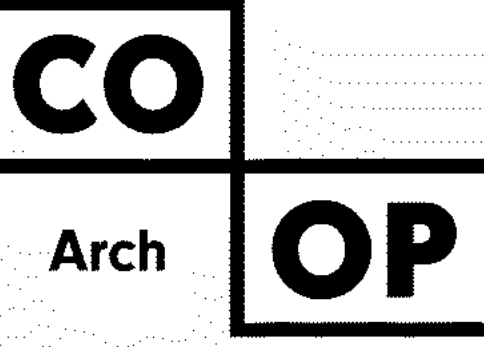
E. PROVIDE PENETRATIONS TO THE BUILDING STRUCTURE AS REQUIRED FOR INSTALLATION. WHERE EXISTING OR TEMPORARY SYSTEMS ARE BEING DEMOLISHED, WHICH LEAVE OPENINGS IN THE EXISTING BUILDING STRUCTURE, THE BUILDING STRUCTURE SHALL BE PATCHED TO MATCH THE EXISTING CONSTRUCTION AND MAINTAIN THE EXISTING BUILDING FIRE RATINGS.

DEMOLITION KEYNOTES:

- VC TO DISCONNECT AND REMOVE DUCTWORK AND REGISTERS SHOWN DARK AND DASHED. SEE PROPOSED.
- TYPICAL - TC TO DEMO EXISTING T-STATS AND DDC TEMPERATURE CONTROLS.
- VC TO RELOCATE EXISTING SA DIFFUSER TO ACCOMMODATE PROPOSED REMODEL. SEE PROPOSED.
- COORDINATE WITH EC TO DEMO EXISTING LINE VOLTAGE CONTROLS OF EXISTING EXHAUST FANS. SEE PROPOSED.

GENERAL NOTES:

- ALL WORK SHALL BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER.
- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING ANY OPENINGS LEFT IN FLOORS, WALLS, AND CEILINGS THAT WERE CAUSED BY HISHER ACTIONS. PATCHINGS SHALL MATCH EXISTING SURFACE IN COLOR, TEXTURE AND QUALITY SO THAT PATCH IS INDISTINGUISHABLE FROM ORIGINAL SURFACE.
- ALL PENETRATIONS THROUGH DRAFT STOPS AND OTHER FIRE-RATED PARTITIONS SHALL BE FIRE STOPPED AS PER SPECIFICATIONS AND LOCAL CODES.
- ALL MECHANICAL WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, NATIONAL PLUMBING REGULATIONS, AND THE AUTHORITY HAVING JURISDICTION.
- THE MECHANICAL DRAWINGS SHOW GENERAL ARRANGEMENT ONLY. EXACT LOCATION SHALL AVOID INTERFERENCE WITH ELECTRICAL EQUIPMENT & REQUIRED ELECTRICAL CLEARANCES.
- COORDINATE INSTALLATION OF ALL HVAC WITH PLUMBING, FIRE SPRINKLER, LIGHT FIXTURES, AND STRUCTURE TO ACCOMMODATE LIMITED CEILING SPACE.
- FOR SIMPLICITY DUCT INSULATION NOT SHOWN, DUCT SIZES INDICATED ON DRAWING ARE INTERNAL DIMENSIONS. AS NEEDED ADJUST ACTUAL SIZE FOR INSULATION THICKNESS AS SPECIFIED.
- ALL FLEXIBLE DUCTWORK AND CONNECTORS BETWEEN THE LOW PRESSURE DUCTWORK AND THE DIFFUSERS SHALL BE THE SIZE OF THE DIFFUSER INLET.
- PROVIDE & INSTALL VIBRATION ISOLATION ON ALL HANGING EQUIPMENT. PROVIDE & INSTALL VIBRATION ABSORPTION MOUNTING PADS ON ALL EQUIPMENT MOUNTED ON FLOOR.
- PROVIDE AND INSTALL DURODINE FLEX DUCT CONNECTORS AT ALL EQUIPMENT CONNECTIONS.
- ALL DUCTWORK TO BE SEALED AIRTIGHT.
- FRESH AIR INTAKES TO BE MINIMUM 10' FROM ANY EXHAUST TERMINATION.
- ALL FLOOR EQUIPMENT SHALL BE SET ON 4" HIGH CONCRETE BASES FURNISHED BY THIS CONTRACTOR.
- THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR THE TESTING & CLEANING OF EACH RESPECTIVE SYSTEM IN ACCORDANCE WITH APPLICABLE STATE & LOCAL CODES. TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE AUTHORITY HAVING JURISDICTION. WRITTEN NOTIFICATION OF TEST, DATE, AND RESULTS SHALL BE FURNISHED TO THE ENGINEER BEFORE CONCEALING OR COVERING THE INSTALLATION. TESTS SHALL BE REPEATED UNTIL EACH SYSTEM IS PROVEN ACCEPTABLE.



1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

601 Kansas City St. 7
Rapid City, SD 57701
Phone: 605-716-3652

440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

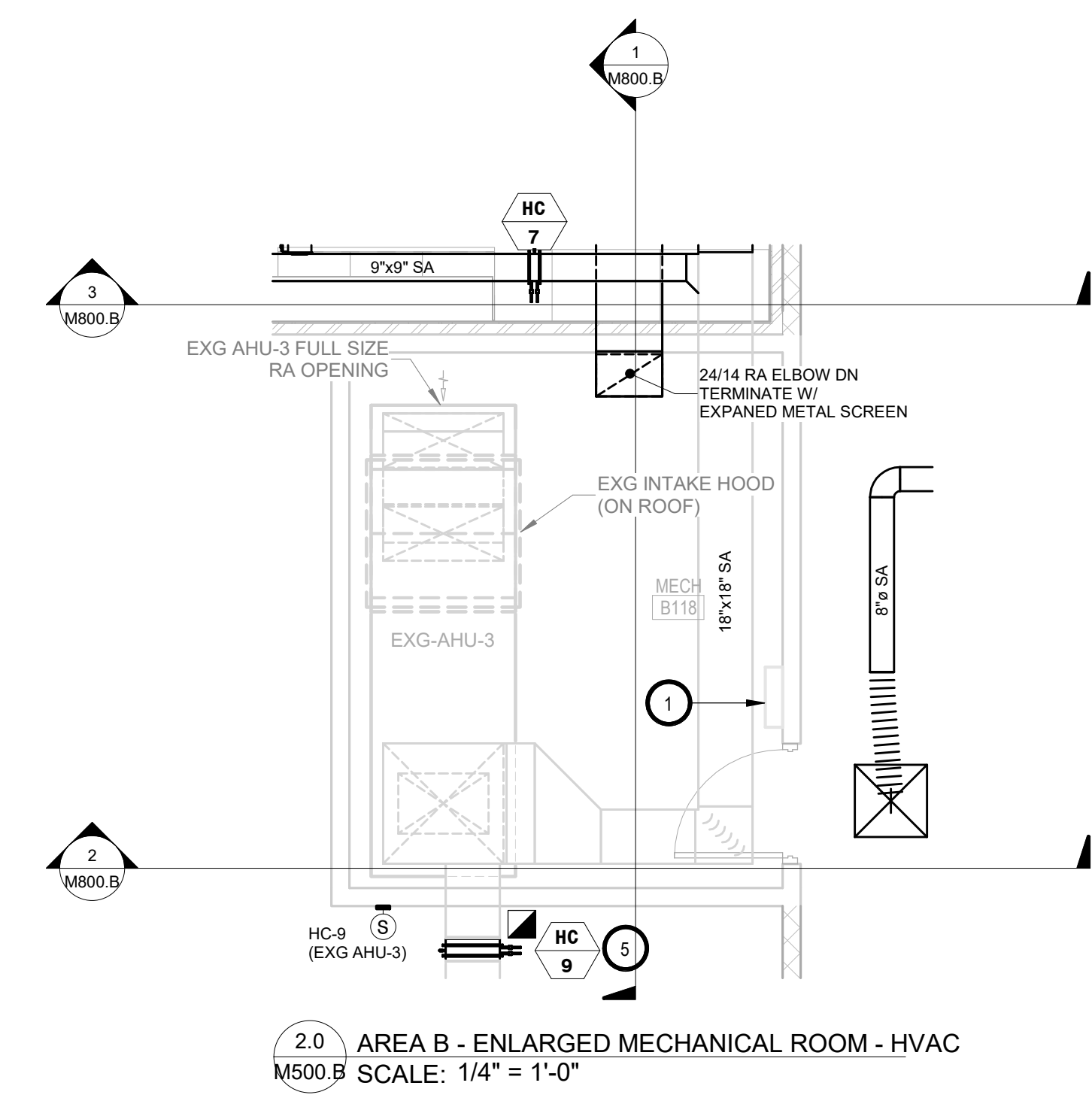
co-oparch.com

SICHMELLER ENGINEERING

Mechanical & Electrical Engineering

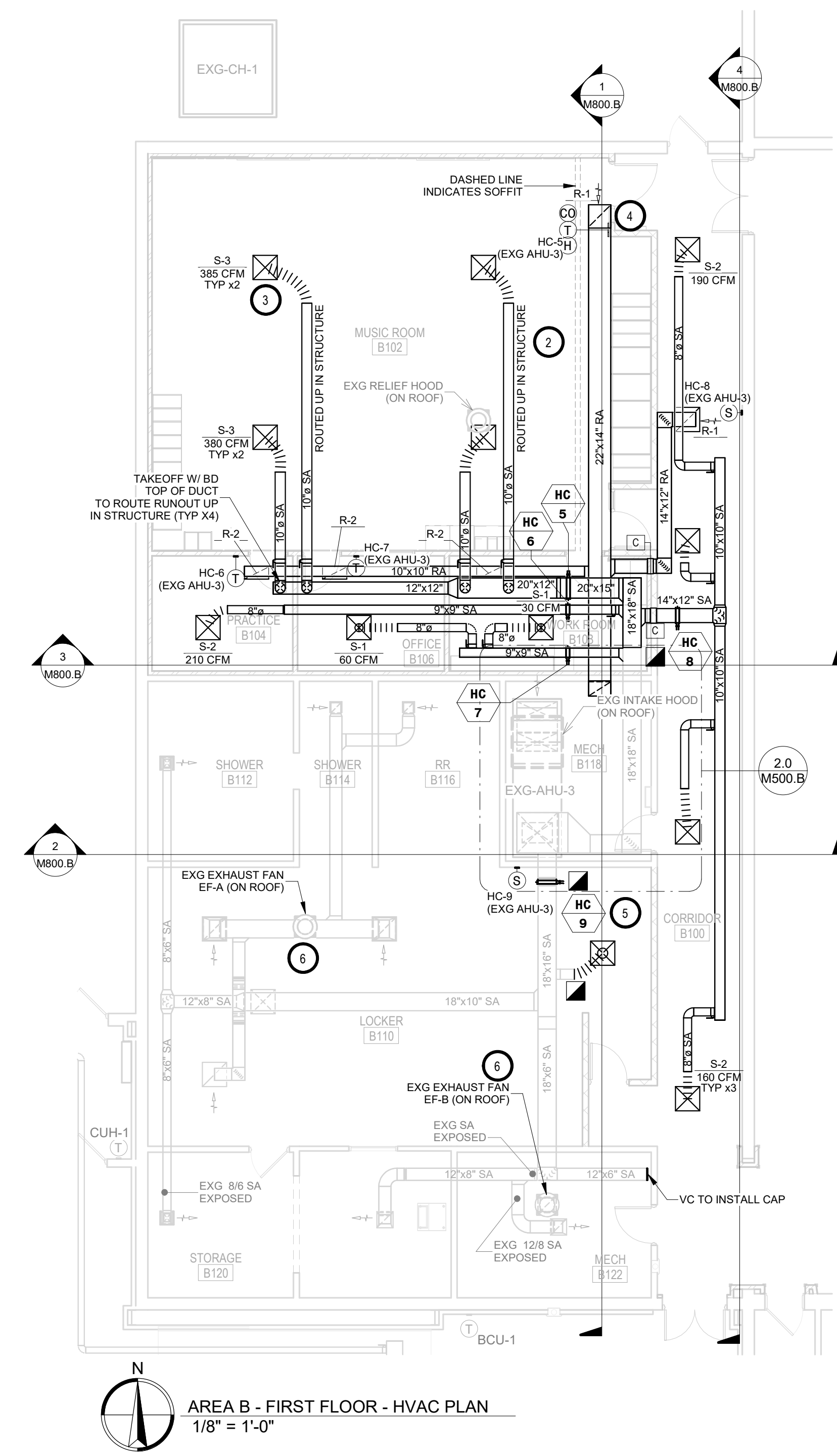
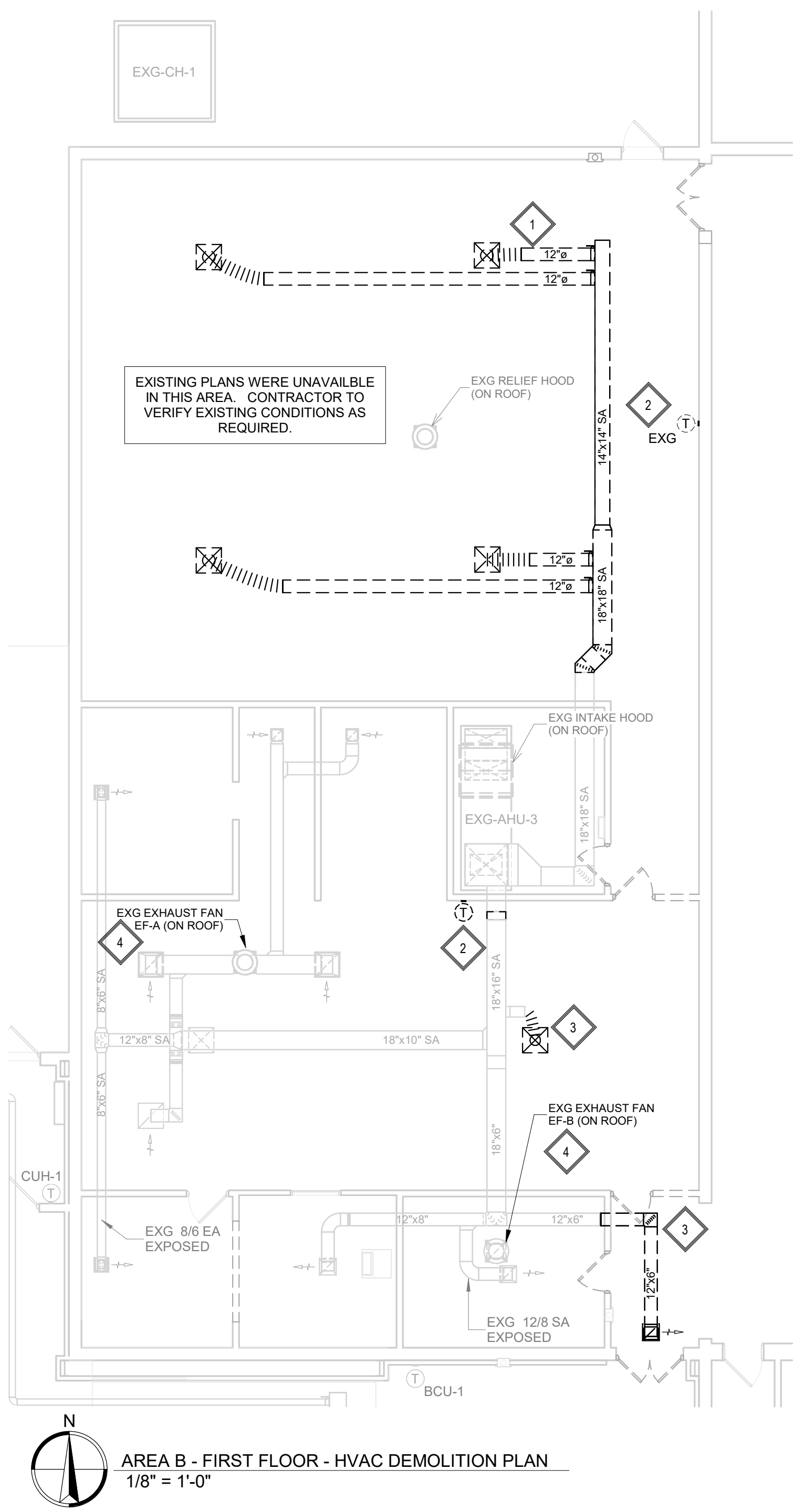
801 Railroad Ave. SE
Aberdeen, SD 57401
Phone: 605-225-4344

www.siceng.biz



KEYNOTES:

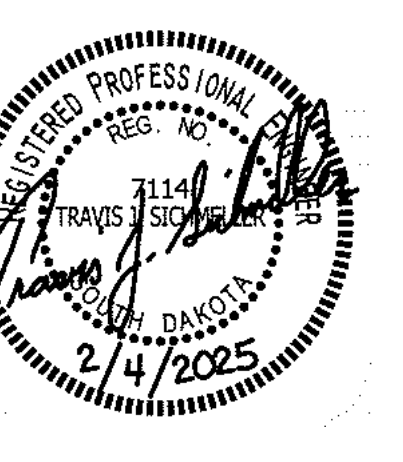
- THIS SPACE IS RESERVED FOR ELECTRICAL GEAR. PIPING AND EQUIPMENT SHALL NOT BE LOCATED IN FRONT OF OR ROUTED ABOVE ELECTRICAL PANELS. COORDINATE WITH DIVISION 26.
- VENTILATION CONTRACTOR TO PROVIDE AND INSTALL EXTERNAL INSULATION. SEE HVAC SHEET METAL DUCTWORK CONSTRUCTION & INSULATION SCHEDULE.
- TYPICAL - SEE TYPICAL DIFFUSER CONNECTION DETAIL.
- TYPICAL - SEE INSULATED RETURN ELBOW DETAIL.
- REMOVE EXISTING DUCTWORK AND PROVIDE TRANSITIONS AS REQUIRED TO INSTALL NEW DUCT MOUNTED HEATING COIL IN EXISTING DUCTWORK.
- TC TO ADD BAS CONTROLS TO EXISTING EXHAUST FAN. SEE SPECIFICATIONS.



SPECIAL NOTES:

- ALL MECHANICAL SYSTEMS, EXCLUDING DROPS, TO BE INSTALLED AS HIGH AS POSSIBLE TO PROVIDE MAXIMUM CLEARANCES FOR OWNER.

SE PROJECT NO: 241000845



ISSUE: 2/4/25 100% CD'S

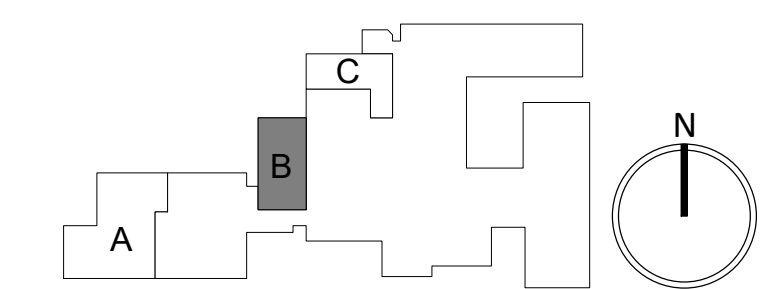
REVISION SCHEDULE:

REV. #	REV. DSC.	REV. DATE

PROJECT: FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
DEMO & PROPOSED - AREA B - HVAC PLAN

M500.B



DEMOLITION GENERAL NOTES:

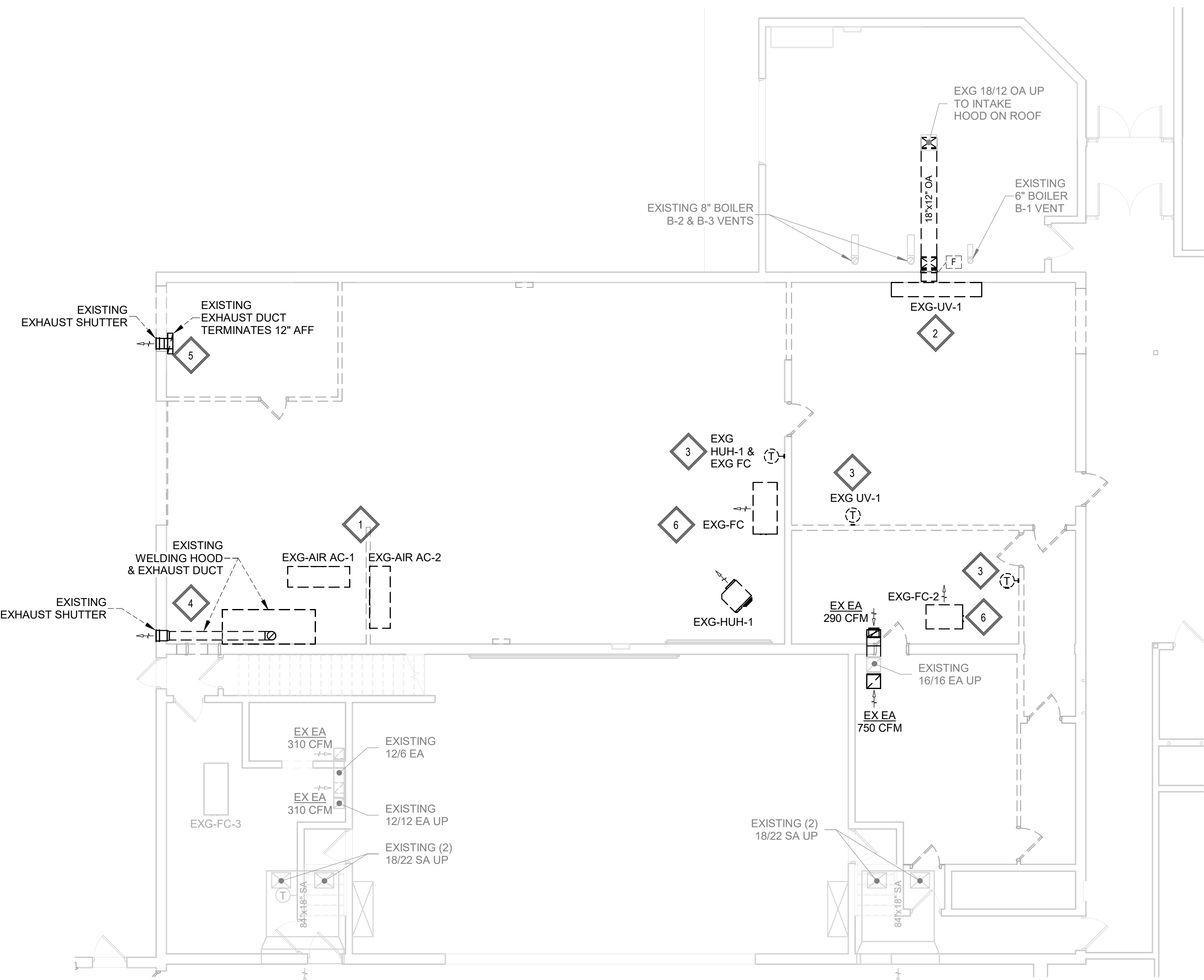
- A. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES, INCLUDING ANY NECESSARY DEMOLITION.
- B. REMOVE MECHANICAL EQUIPMENT IN THE AREAS SHOWN ON THE PLAN, DISCONNECT SERVICES AND REMOVE TO A POINT OUT OF THE WAY OF THE GENERAL DEMOLITION. MARK ON THE PLAN TO CLEARLY SHOW WHERE THESE SERVICES ARE STOPPED. DEMOLITION WORK SHALL BE COORDINATED WITH THE OWNER. SHOULD QUESTIONS ARISE REGARDING THE REMOVAL OF EQUIPMENT, CONFER WITH THE OWNER BEFORE SUCH EQUIPMENT IS DEMOLISHED. MATERIALS REMOVED BY DEMOLITION SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE SPECIFICALLY NOTED. MATERIAL THE OWNER DOES NOT WISH TO RETAIN SHALL BE REMOVED AND DISPOSED OF PROPERLY BY THE CONTRACTOR.
- C. EQUIPMENT SHOWN ON DRAWINGS AS EXISTING IS BASED ON EXISTING PLANS AND LIMITED FIELD INVESTIGATION. THE FIELD SURVEY WAS CONDUCTED TO VERIFY, AS MUCH AS POSSIBLE, THE ACCURACY OF THE LOCATIONS SHOWN. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THE EXISTING CONDITIONS AS SHOWN ON THE DRAWINGS AS THE DEMOLITION WORK PROGRESSES. PERFORM MODIFICATIONS AND ADDITIONS AS NECESSARY TO CORRECT FOR THESE HIDDEN CONDITIONS AND ALLOW FOR THE COMPLETION OF THE NEW WORK.
- D. THE EXISTING BUILDING WILL BE IN USE DURING THIS CONSTRUCTION. SCHEDULE AND CARRY OUT THE WORK IN SUCH A MANNER AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTIONS. TEMPORARY SERVICES SHALL BE INSTALLED IF ONE PHASE OF CONSTRUCTION DISRUPTS SERVICE TO ANOTHER AREA OF THE BUILDING OR IF EQUIPMENT HAS TO BE RELOCATED TO ALLOW CONSTRUCTION TO PROGRESS. SERVICE INTERRUPTIONS SHALL BE CONFINED TO THE SMALLEST AREA POSSIBLE AT ANY ONE TIME AND INTERRUPTIONS SHALL BE SCHEDULED WITH THE OWNER'S SITE REPRESENTATIVE. AFTER SERVICE HAS BEEN RESTORED FOLLOWING AN INTERRUPTION, INSPECT AREAS AFFECTED BY THE INTERRUPTION AND BE RESPONSIBLE FOR RETURNING AUTOMATICALLY CONTROLLED EQUIPMENT TO THE SAME OPERATING CONDITION, WHICH EXISTED PRIOR TO THE INTERRUPTION.
- E. PROVIDE PENETRATIONS TO THE BUILDING STRUCTURE AS REQUIRED FOR INSTALLATION. WHERE EXISTING OR TEMPORARY SYSTEMS ARE BEING DEMOLISHED, WHICH LEAVE OPENINGS IN THE EXISTING BUILDING STRUCTURE, THE BUILDING STRUCTURE SHALL BE PATCHED TO MATCH THE EXISTING CONSTRUCTION AND MAINTAIN THE EXISTING BUILDING FIRE RATINGS.

DEMOLITION KEYNOTES:

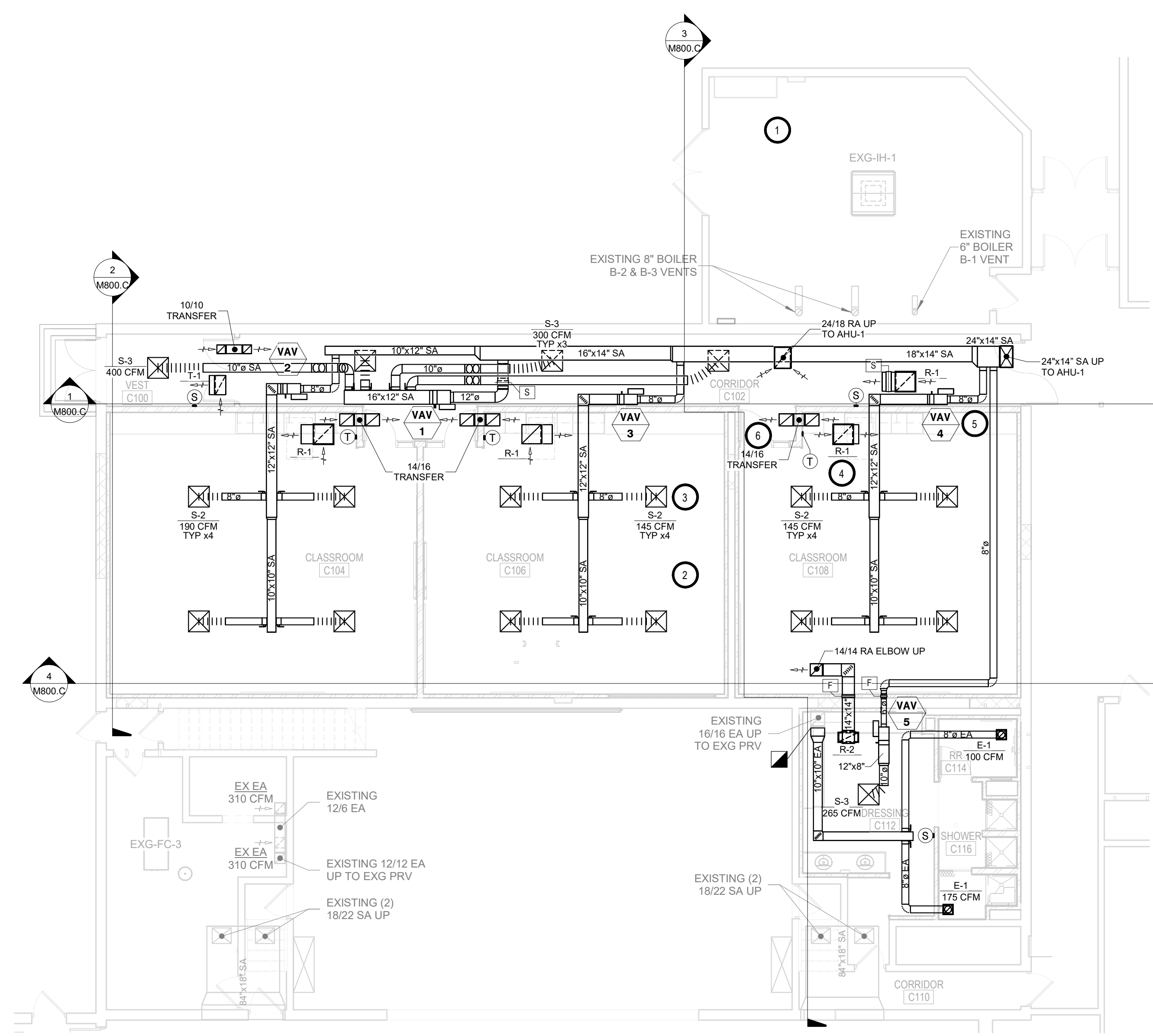
- VC TO SALVAGE & RELOCATE EXISTING AIR CLEANERS AC-1 AND AC-2. SEE PROPOSED.
- VC TO DISCONNECT AND REMOVE EXISTING UNIT VENTILATOR, CONTROLS, REMOVE EXISTING OUTDOOR AIR DUCTWORK AND INSTALL INSULATED WEATHERTIGHT CAP BELOW ROOF AT INTAKE HOOD, EXISTING INTAKE HOOD TO BE ABANDONED IN PLACE.
- TYPICAL - TC TO DEMO EXISTING T-STATS AND DDC TEMPERATURE CONTROLS.
- VC TO DISCONNECT AND REMOVE EXISTING WELDING HOOD AND EXHAUST SHUTTER. G.C. TO PATCH OPENING WITH MATERIALS AND INSULATION CONSISTENT TO EXISTING FINISH.
- VC TO DISCONNECT AND REMOVE EXISTING DUCTWORK AND EXHAUST SHUTTER SHOWN DARK AND DASHED. G.C. TO PATCH OPENING WITH MATERIALS AND INSULATION CONSISTENT TO EXISTING FINISH.
- VC TO DISCONNECT AND REMOVE EXISTING FAN COIL UNIT.

GENERAL NOTES:

- ALL WORK SHALL BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER.
- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING ANY OPENINGS LEFT IN FLOORS, WALLS, AND CEILINGS THAT WERE CAUSED BY HISHER ACTIONS. PATCHINGS SHALL MATCH EXISTING SURFACE IN COLOR, TEXTURE AND QUALITY SO THAT PATCH IS INDISTINGUISHABLE FROM ORIGINAL SURFACE.
- ALL PENETRATIONS THROUGH DRAFT STOPS AND OTHER FIRE-RATED PARTITIONS SHALL BE FIRE STOPPED AS PER SPECIFICATIONS AND LOCAL CODES.
- ALL MECHANICAL WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, NATIONAL PLUMBING REGULATIONS, AND THE AUTHORITY HAVING JURISDICTION.
- THE MECHANICAL DRAWINGS SHOW GENERAL ARRANGEMENT ONLY. EXACT LOCATION SHALL AVOID INTERFERENCE WITH ELECTRICAL EQUIPMENT & REQUIRED ELECTRICAL CLEARANCES.
- COORDINATE INSTALLATION OF ALL HVAC WITH PLUMBING, FIRE SPRINKLER, LIGHT FIXTURES, AND STRUCTURE TO ACCOMMODATE LIMITED CEILING SPACE.
- FOR SIMPLICITY DUCT INSULATION NOT SHOWN, DUCT SIZES INDICATED ON DRAWING ARE INTERNAL DIMENSIONS. AS NEEDED ADJUST ACTUAL SIZE FOR INSULATION THICKNESS AS SPECIFIED.
- ALL FLEXIBLE DUCTWORK AND CONNECTORS BETWEEN THE LOW PRESSURE DUCTWORK AND THE DIFFUSERS SHALL BE THE SIZE OF THE DIFFUSER INLET.
- PROVIDE & INSTALL VIBRATION ISOLATION ON ALL HANGING EQUIPMENT. PROVIDE & INSTALL VIBRATION ABSORPTION MOUNTING PADS ON ALL EQUIPMENT MOUNTED ON FLOOR.
- PROVIDE AND INSTALL DURODINE FLEX DUCT CONNECTORS AT ALL EQUIPMENT CONNECTIONS.
- ALL DUCTWORK TO BE SEALED AIRTIGHT.
- FRESH AIR INTAKES TO BE MINIMUM 10' FROM ANY EXHAUST TERMINATION.
- ALL FLOOR EQUIPMENT SHALL BE SET ON 4" HIGH CONCRETE BASES FURNISHED BY THIS CONTRACTOR.
- THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR THE TESTING & CLEANING OF EACH RESPECTIVE SYSTEM IN ACCORDANCE WITH APPLICABLE STATE & LOCAL CODES. TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE AUTHORITY HAVING JURISDICTION. WRITTEN NOTIFICATION OF TEST, DATE, AND RESULTS SHALL BE FURNISHED TO THE ENGINEER BEFORE CONCEALING OR COVERING THE INSTALLATION. TESTS SHALL BE REPEATED UNTIL EACH SYSTEM IS PROVEN ACCEPTABLE.



AREA C - FIRST FLOOR - HVAC DEMOLITION PLAN
1/8" = 1'-0"



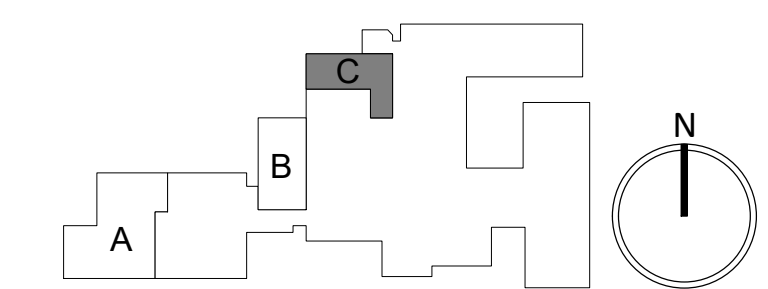
AREA C - FIRST FLOOR - HVAC PLAN
1/8" = 1'-0"

KEYNOTES:

- THIS SPACE IS RESERVED FOR ELECTRICAL GEAR. PIPING AND EQUIPMENT SHALL NOT BE LOCATED IN FRONT OF OR ROUTED ABOVE ELECTRICAL PANELS. COORDINATE WITH DIVISION 26.
- VENTILATION CONTRACTOR TO PROVIDE AND INSTALL EXTERNAL INSULATION. SEE HVAC SHEET METAL DUCTWORK CONSTRUCTION & INSULATION SCHEDULE.
- TYPICAL - SEE TYPICAL DIFFUSER CONNECTION DETAIL.
- TYPICAL - SEE INSULATED RETURN ELBOW DETAIL.
- TYPICAL - SEE VAV BOX DUCT CONNECTION DETAIL.
- TYPICAL - SEE INSULATED TRANSFER DUCT DETAIL.

SPECIAL NOTES:

- ALL MECHANICAL SYSTEMS, EXCLUDING DROPS, TO BE INSTALLED AS HIGH AS POSSIBLE TO PROVIDE MAXIMUM CLEARANCES FOR OWNER.



CO Arch OP

1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

601 Kansas City St. 7
Rapid City, SD 57701
Phone: 605-716-3652

440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

co-oparch.com

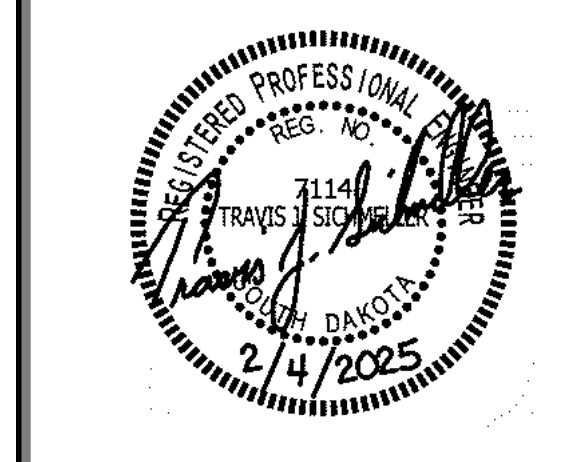
SICHELLER ENGINEERING

Mechanical & Electrical Engineering

801 Railroad Ave. SE
Aberdeen, SD 57401
Phone: 605-225-4344

www.siceng.biz

SE PROJECT NO: 241000845



ISSUE:
2/4/25 100% CD'S

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
DEMO & PROPOSED - AREA C -
HVAC PLAN

M500.C

DEMOLITION GENERAL NOTES:

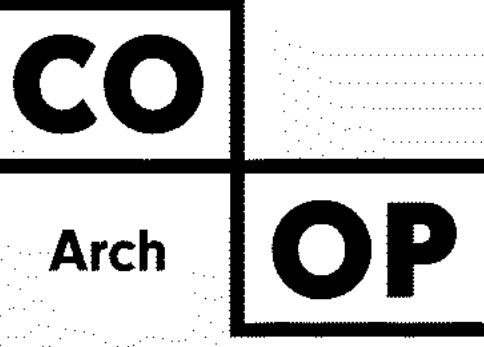
- A. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES, INCLUDING ANY NECESSARY DEMOLITION.
- B. REMOVE MECHANICAL EQUIPMENT IN THE AREAS SHOWN ON THE PLAN, DISCONNECT SERVICES AND REMOVE TO A POINT OUT OF THE WAY OF THE GENERAL DEMOLITION. MARK ON THE PLAN TO CLEARLY SHOW WHERE THESE SERVICES ARE STOPPED. DEMOLITION WORK SHALL BE COORDINATED WITH THE OWNER. SHOULD QUESTIONS ARISE REGARDING THE REMOVAL OF EQUIPMENT, CONFER WITH THE OWNER BEFORE SUCH EQUIPMENT IS DEMOLISHED. MATERIALS REMOVED BY DEMOLITION SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE SPECIFICALLY NOTED. MATERIAL THE OWNER DOES NOT WISH TO RETAIN SHALL BE REMOVED AND DISPOSED OF PROPERLY BY THE CONTRACTOR.
- C. EQUIPMENT SHOWN ON DRAWINGS AS EXISTING IS BASED ON EXISTING PLANS AND LIMITED FIELD INVESTIGATION. THE FIELD SURVEY WAS CONDUCTED TO VERIFY, AS MUCH AS POSSIBLE, THE ACCURACY OF THE LOCATIONS SHOWN. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THE "EXISTING CONDITIONS" AS SHOWN ON THE DRAWINGS AS THE DEMOLITION WORK PROGRESSES. PERFORM MODIFICATIONS AND ADDITIONS AS NECESSARY TO CORRECT FOR THESE HIDDEN CONDITIONS AND ALLOW FOR THE COMPLETION OF THE NEW WORK.
- D. THE EXISTING BUILDING WILL BE IN USE DURING THIS CONSTRUCTION. SCHEDULE AND CARRY OUT THE WORK IN SUCH A MANNER AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTIONS. TEMPORARY SERVICES SHALL BE INSTALLED IF ONE PHASE OF CONSTRUCTION DISRUPTS SERVICE TO ANOTHER AREA OF THE BUILDING OR IF EQUIPMENT HAS TO BE RELOCATED TO ALLOW CONSTRUCTION TO PROGRESS. SERVICE INTERRUPTIONS SHALL BE CONFINED TO THE SMALLEST AREA POSSIBLE AT ANY ONE TIME AND INTERRUPTIONS SHALL BE SCHEDULED WITH THE OWNER'S SITE REPRESENTATIVE. AFTER SERVICE HAS BEEN RESTORED FOLLOWING AN INTERRUPTION, INSPECT AREAS AFFECTED BY THE INTERRUPTION AND BE RESPONSIBLE FOR RETURNING AUTOMATICALLY CONTROLLED EQUIPMENT TO THE SAME OPERATING CONDITION, WHICH EXISTED PRIOR TO THE INTERRUPTION.
- E. PROVIDE PENETRATIONS TO THE BUILDING STRUCTURE AS REQUIRED FOR INSTALLATION. WHERE EXISTING OR TEMPORARY SYSTEMS ARE BEING DEMOLISHED, WHICH LEAVE OPENINGS IN THE EXISTING BUILDING STRUCTURE, THE BUILDING STRUCTURE SHALL BE PATCHED TO MATCH THE EXISTING CONSTRUCTION AND MAINTAIN THE EXISTING BUILDING FIRE RATINGS.

DEMOLITION KEYNOTES:

1. VC TO DISCONNECT AND REMOVE EXISTING UNIT VENTILATOR, CONTROLS, REMOVE EXISTING OUTDOOR GRILLE, ETC. G.C. TO PATCH OPENING WITH MATERIALS AND INSULATION CONSISTENT TO EXISTING FINISH.
2. TYPICAL - TC TO DEMO EXISTING T-STATS AND DDC TEMPERATURE CONTROLS.
3. VC TO DISCONNECT AND REMOVE EXISTING FAN COIL UNIT, CONTROLS, REMOVE EXISTING DUCTWORK AND SA REGISTERS SHOWN DARK AND DASHED.
4. VC TO REMOVE EXISTING LOUVER AND ANY ASSOCIATED DUCTWORK. PATCH OPENING TO MATCH EXISTING WALL.
5. VC TO DISCONNECT AND REMOVE EXISTING EXHAUST FAN. SEE PROPOSED.

GENERAL NOTES:

- A. ALL WORK SHALL BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER.
- B. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING ANY OPENINGS LEFT IN FLOORS, WALLS, AND CEILINGS THAT WERE CAUSED BY HISHER ACTIONS. PATCHINGS SHALL MATCH EXISTING SURFACE IN COLOR, TEXTURE AND QUALITY SO THAT PATCH IS INDISTINGUISHABLE FROM ORIGINAL SURFACE.
- C. ALL PENETRATIONS THROUGH DRAFT STOPS AND OTHER FIRE-RATED PARTITIONS SHALL BE FIRE STOPPED AS PER SPECIFICATIONS AND LOCAL CODES.
- D. ALL MECHANICAL WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, NATIONAL PLUMBING REGULATIONS, AND THE AUTHORITY HAVING JURISDICTION.
- E. THE MECHANICAL DRAWINGS SHOW GENERAL ARRANGEMENT ONLY. EXACT LOCATION SHALL AVOID INTERFERENCE WITH ELECTRICAL EQUIPMENT & REQUIRED ELECTRICAL CLEARANCES.
- F. COORDINATE INSTALLATION OF ALL HVAC WITH PLUMBING, FIRE SPRINKLER, LIGHT FIXTURES, AND STRUCTURE TO ACCOMMODATE LIMITED CEILING SPACE.
- G. FOR SIMPLICITY DUCT INSULATION NOT SHOWN, DUCT SIZES INDICATED ON DRAWING ARE INTERNAL DIMENSIONS. AS NEEDED ADJUST ACTUAL SIZE FOR INSULATION THICKNESS AS SPECIFIED.
- H. ALL FLEXIBLE DUCTWORK AND CONNECTORS BETWEEN THE LOW PRESSURE DUCTWORK AND THE DIFFUSERS SHALL BE THE SIZE OF THE DIFFUSER INLET.
- I. PROVIDE & INSTALL VIBRATION ISOLATION ON ALL HANGING EQUIPMENT. PROVIDE & INSTALL VIBRATION ABSORPTION MOUNTING PADS ON ALL EQUIPMENT MOUNTED ON FLOOR.
- J. PROVIDE AND INSTALL DURODINE FLEX DUCT CONNECTORS AT ALL EQUIPMENT CONNECTIONS.
- K. ALL DUCTWORK TO BE SEALED AIRTIGHT.
- L. FRESH AIR INTAKES TO BE MINIMUM 10' FROM ANY EXHAUST TERMINATION.
- M. ALL FLOOR EQUIPMENT SHALL BE SET ON 4" HIGH CONCRETE BASES FURNISHED BY THIS CONTRACTOR.
- N. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR THE TESTING & CLEANING OF EACH RESPECTIVE SYSTEM IN ACCORDANCE WITH APPLICABLE STATE & LOCAL CODES. TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE AUTHORITY HAVING JURISDICTION. WRITTEN NOTIFICATION OF TEST, DATE, AND RESULTS SHALL BE FURNISHED TO THE ENGINEER BEFORE CONCEALING OR COVERING THE INSTALLATION. TESTS SHALL BE REPEATED UNTIL EACH SYSTEM IS PROVEN ACCEPTABLE.



1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

601 Kansas City St. 7
Rapid City, SD 57701
Phone: 605-716-3652

440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

co-oparch.com

SICHMELLER ENGINEERING

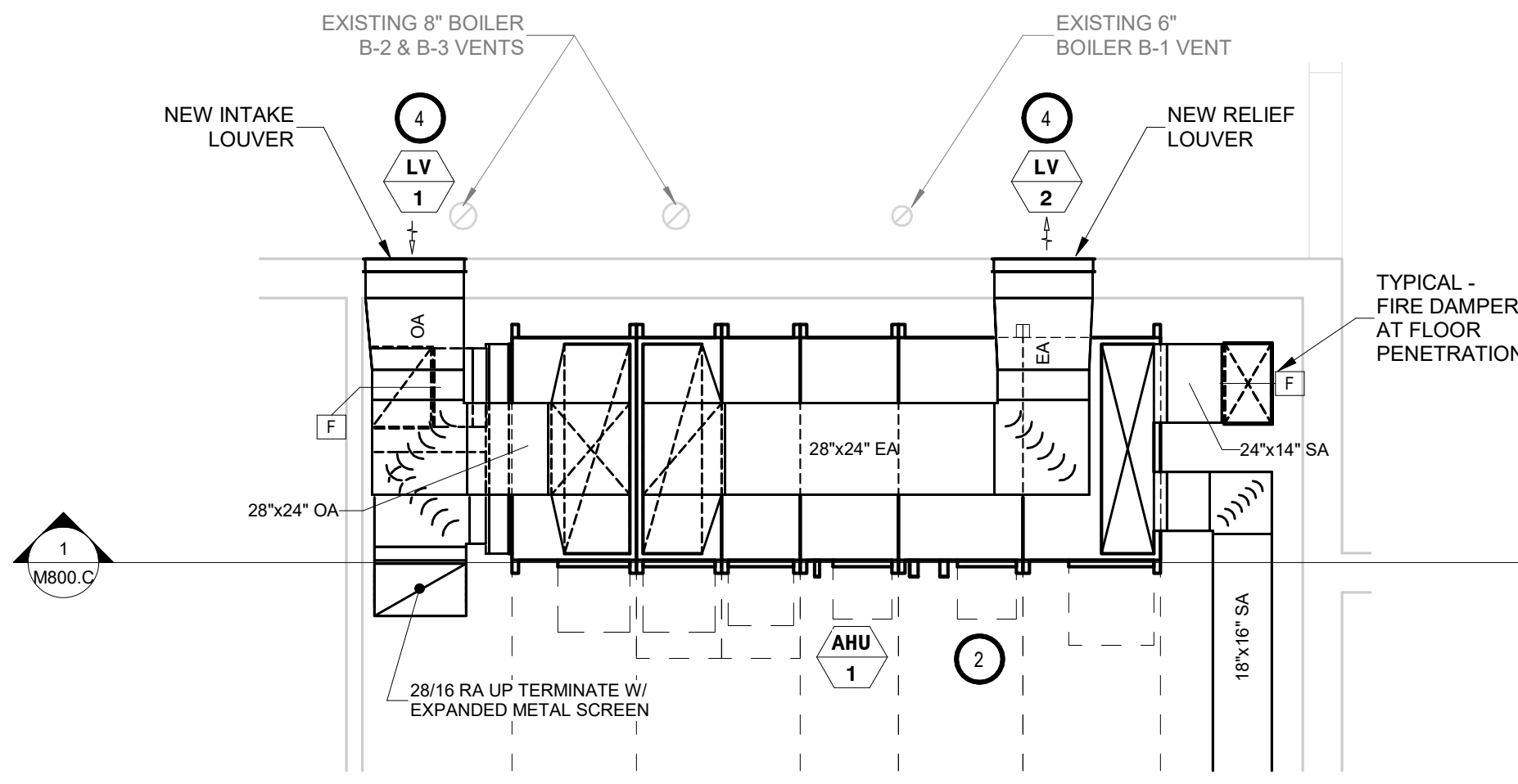
Mechanical & Electrical Engineering

801 Railroad Ave. SE
Aberdeen, SD 57401
Phone: 605-225-4344

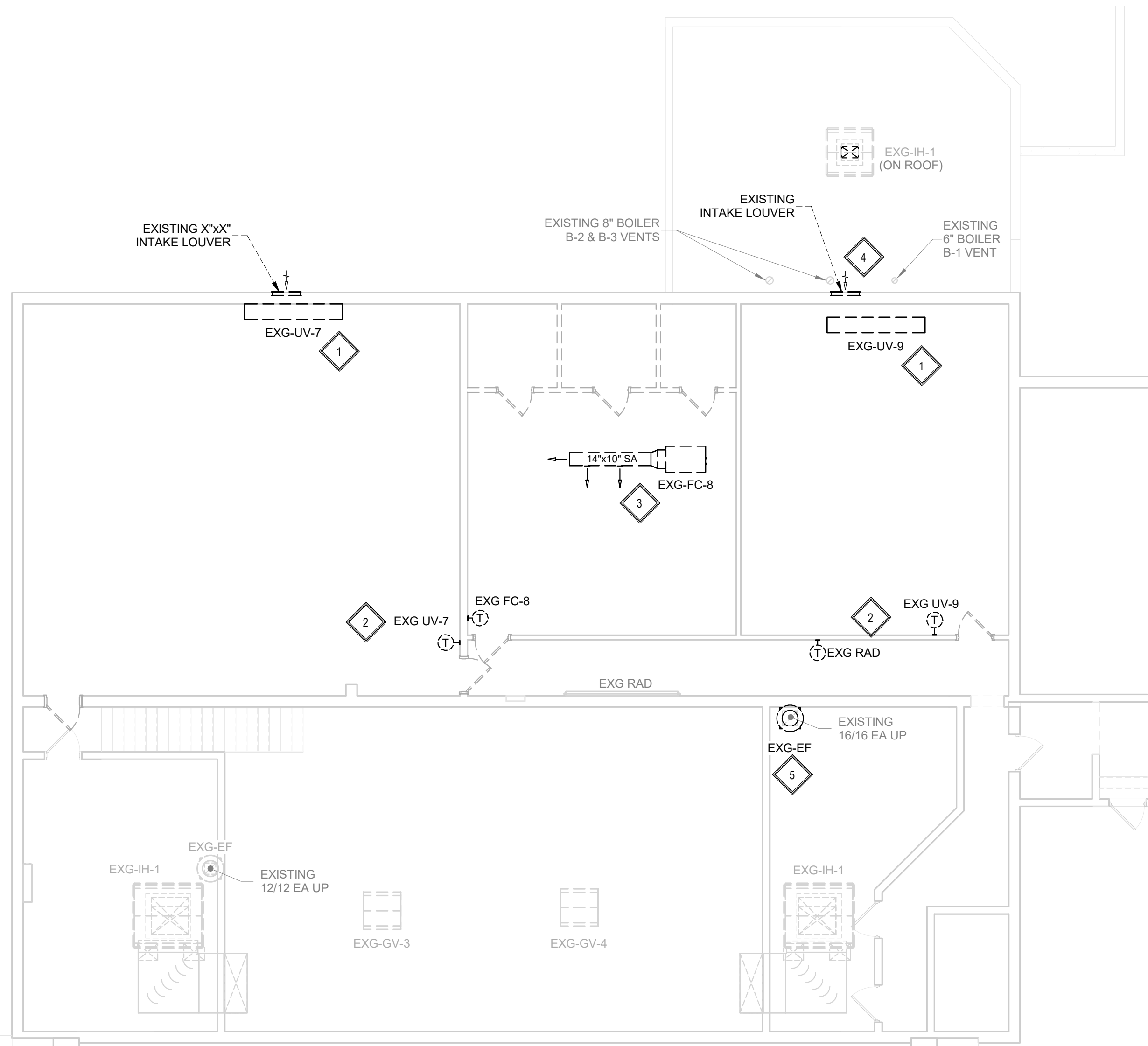
www.siceng.biz

KEYNOTES:

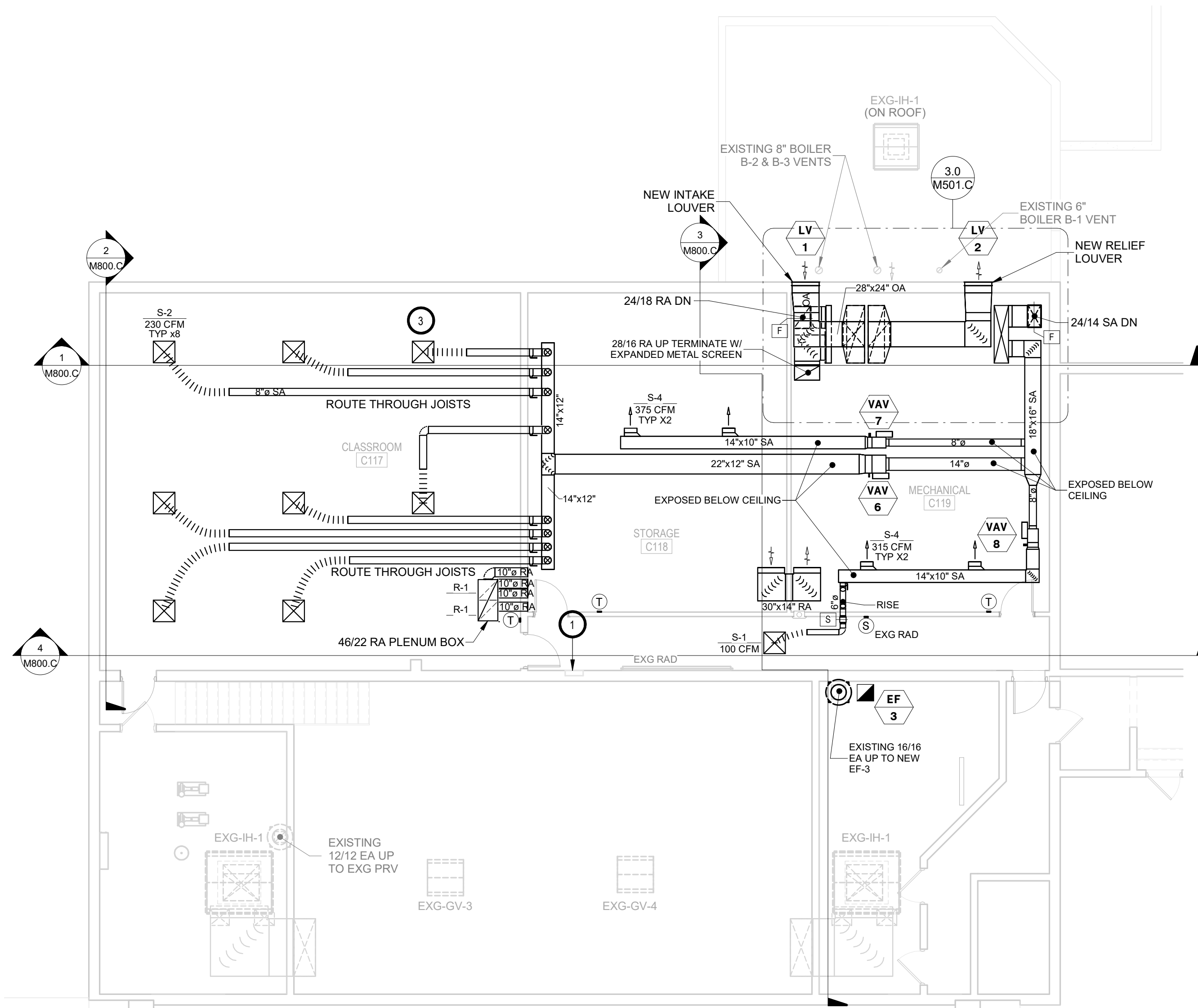
1. THIS SPACE IS RESERVED FOR ELECTRICAL GEAR. PIPING AND EQUIPMENT SHALL NOT BE LOCATED IN FRONT OF OR ROUTED ABOVE ELECTRICAL PANELS. COORDINATE WITH DIVISION 26.
2. VENTILATION CONTRACTOR TO PROVIDE AND INSTALL EXTERNAL INSULATION. SEE HVAC SHEET METAL DUCTWORK CONSTRUCTION & INSULATION SCHEDULE.
3. TYPICAL - SEE TYPICAL DIFFUSER CONNECTION DETAIL.
4. NEW LOUVER INSTALLED IN EXISTING INFILL WINDOW OPENING. COORDINATE EXACT LOCATION WITH INTERIOR WALLS AND INFILL FRAMING.



3.0 AREA C - ENLARGED SECOND FLOOR MECHANICAL ROOM - HVAC
M501.C SCALE: 1/4" = 1'-0"



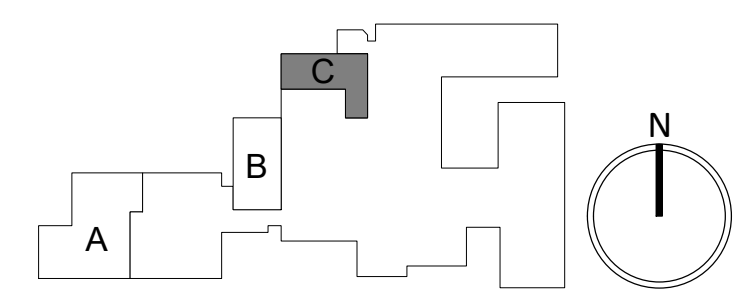
AREA C - SECOND FLOOR - HVAC DEMOLITION PLAN
1/8" = 1'-0"



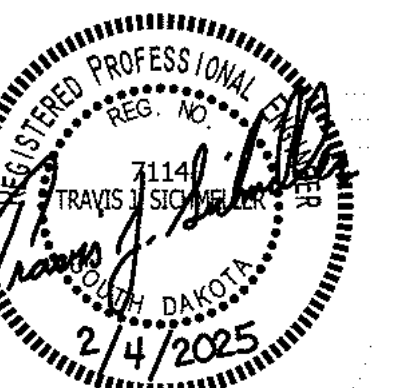
AREA C - SECOND FLOOR - HVAC PLAN
1/8" = 1'-0"

SPECIAL NOTES:

- A. ALL MECHANICAL SYSTEMS, EXCLUDING DROPS, TO BE INSTALLED AS HIGH AS POSSIBLE TO PROVIDE MAXIMUM CLEARANCES FOR OWNER.



SE PROJECT NO: 241000845



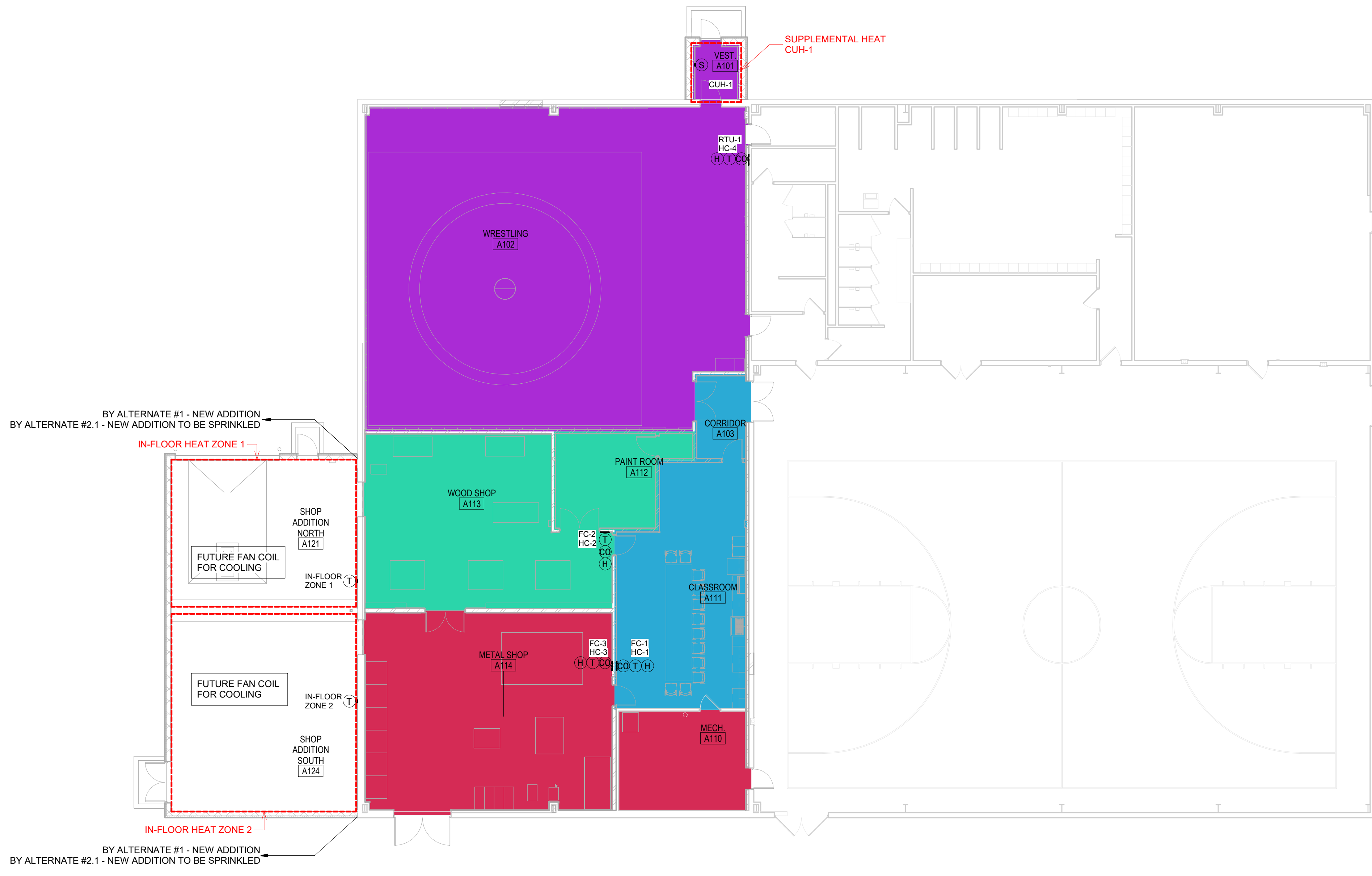
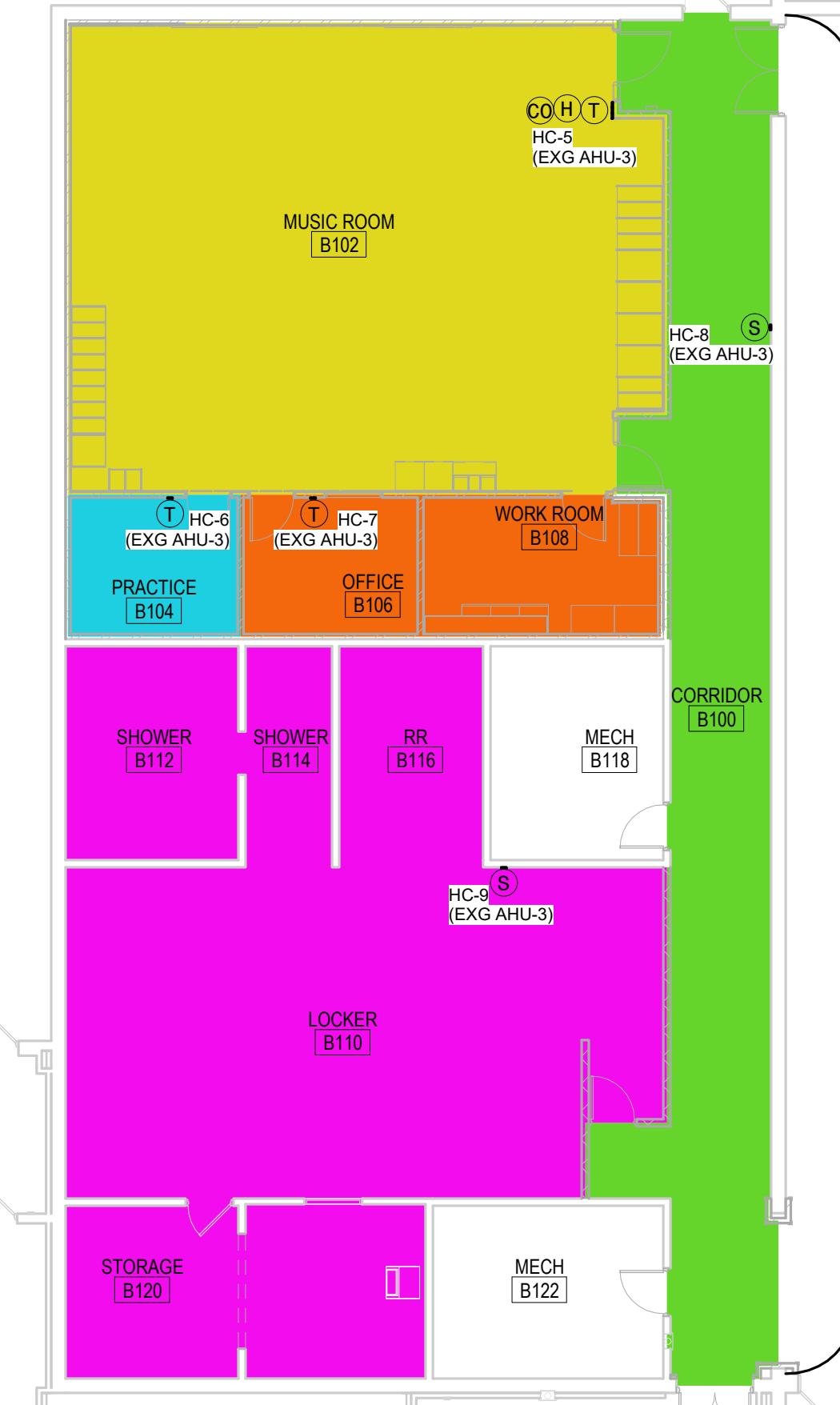
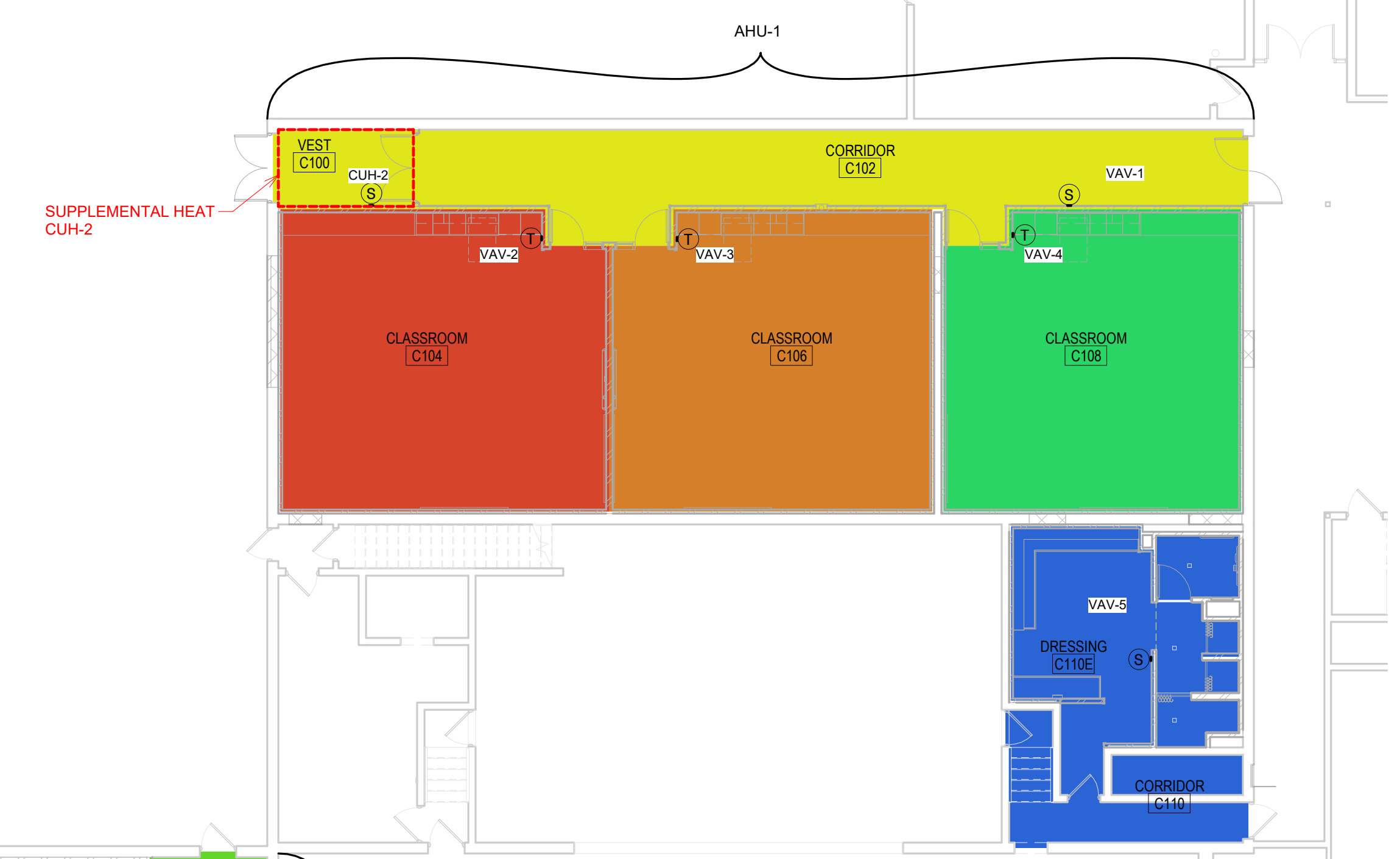
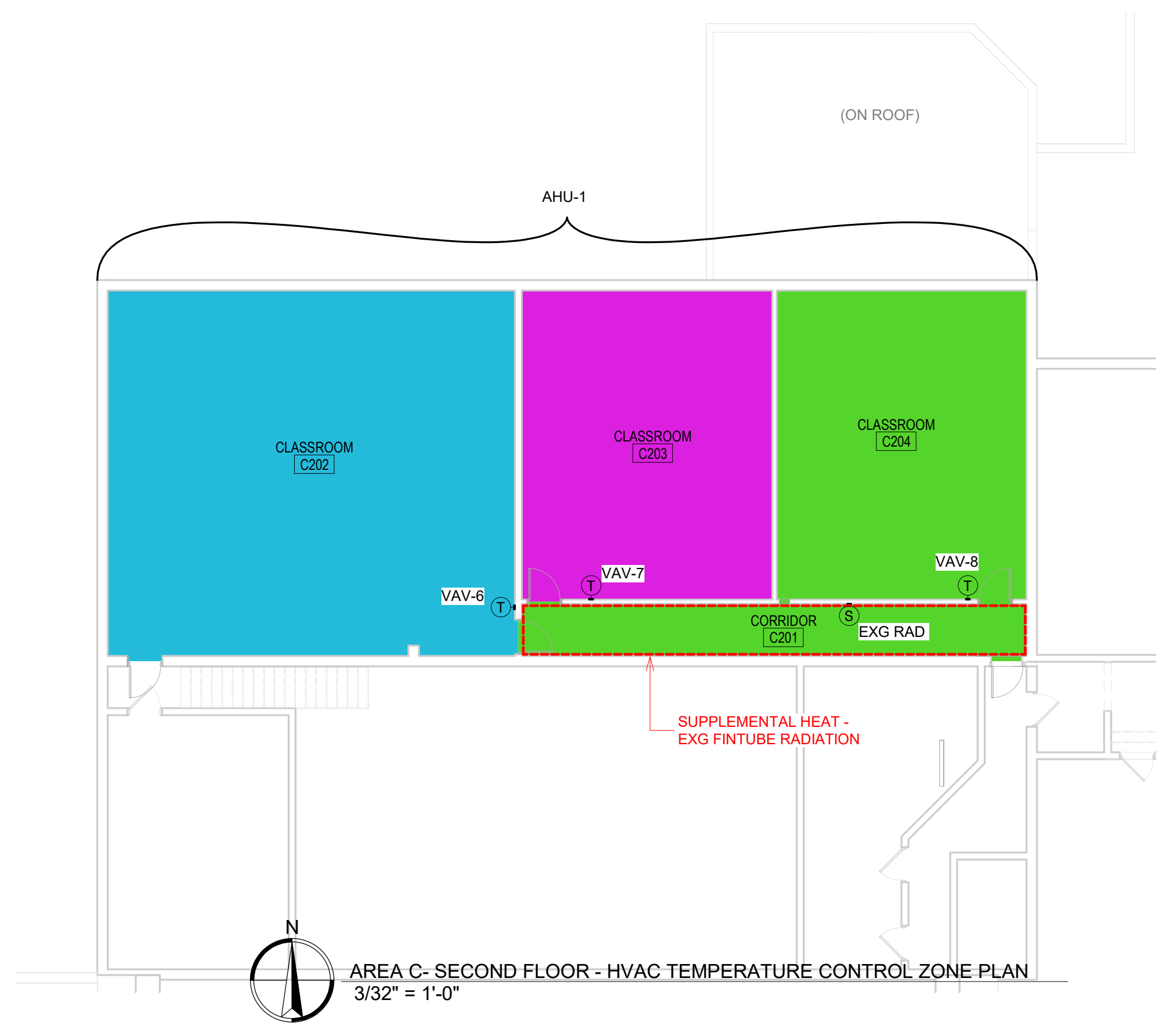
ISSUE:
2/4/25 100% CD'S

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

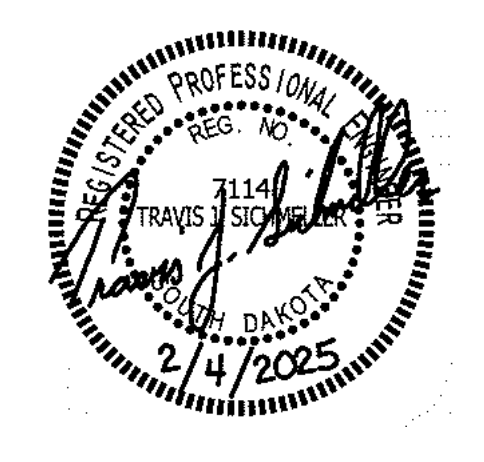
SHEET TITLE:
DEMO & PROPOSED - AREA C -
SECOND FLOOR HVAC PLAN

M501.C



HVAC TEMPERATURE CONTROL ZONE PLAN
3/32" = 1'-0"

SE PROJECT NO: 241000845



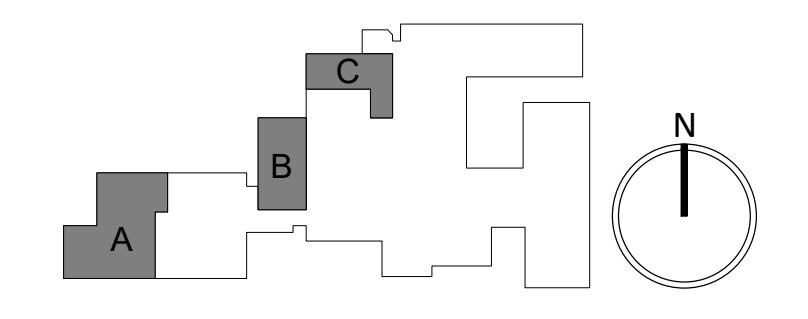
ISSUE:
2/4/25 100% CD'S

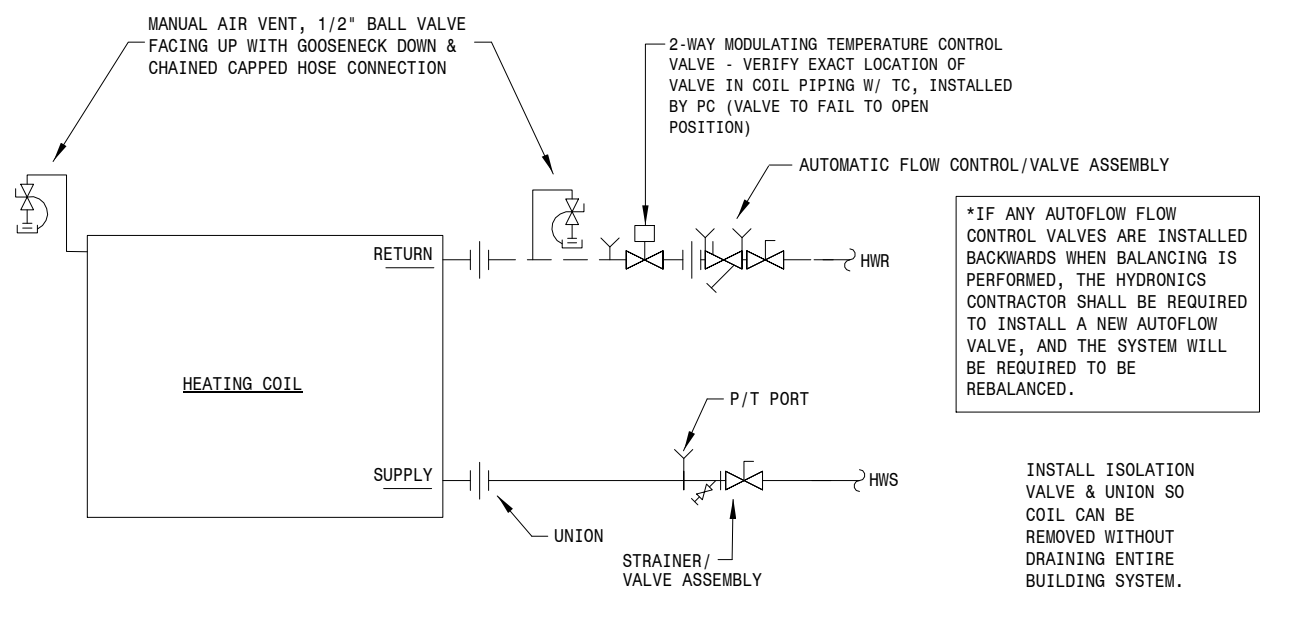
REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

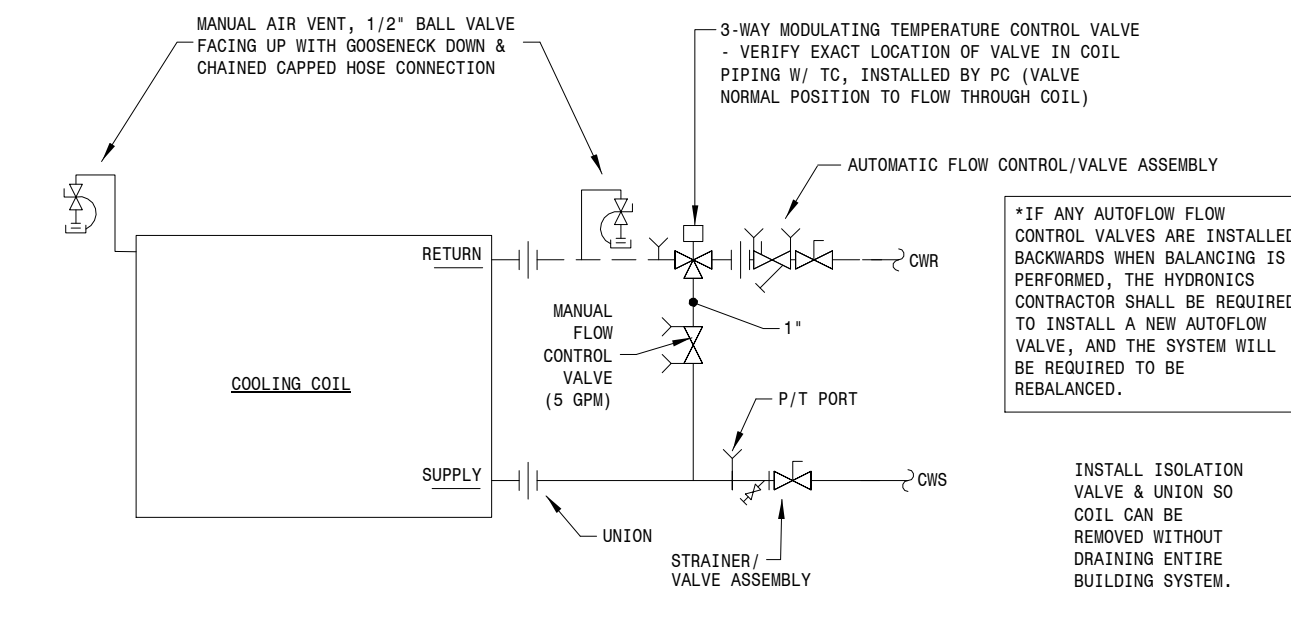
SHEET TITLE:
HVAC TEMPERATURE CONTROL ZONE PLAN

M502

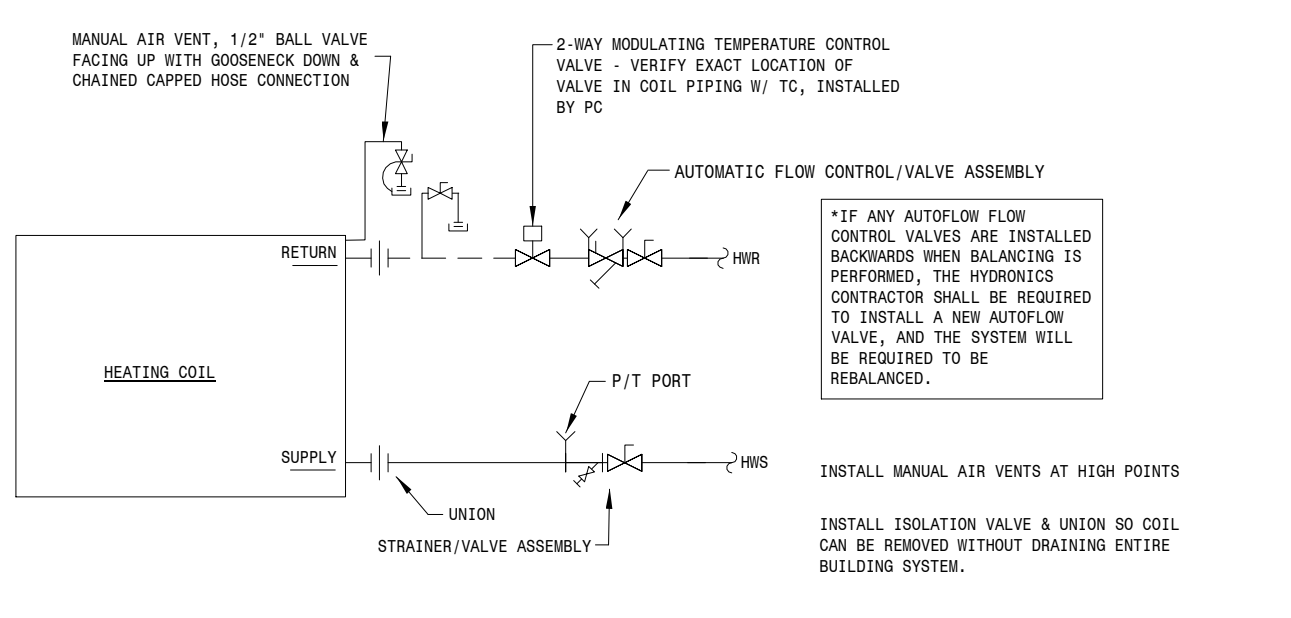




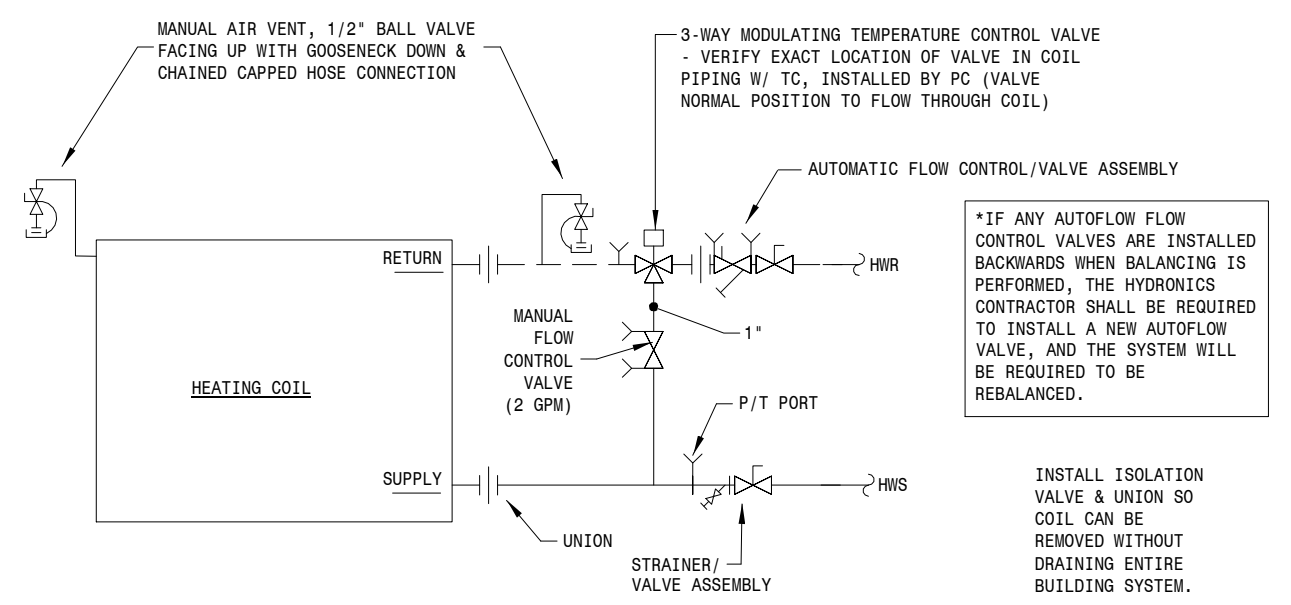
AHU-1 Heating Coil Piping Detail
NOT TO SCALE



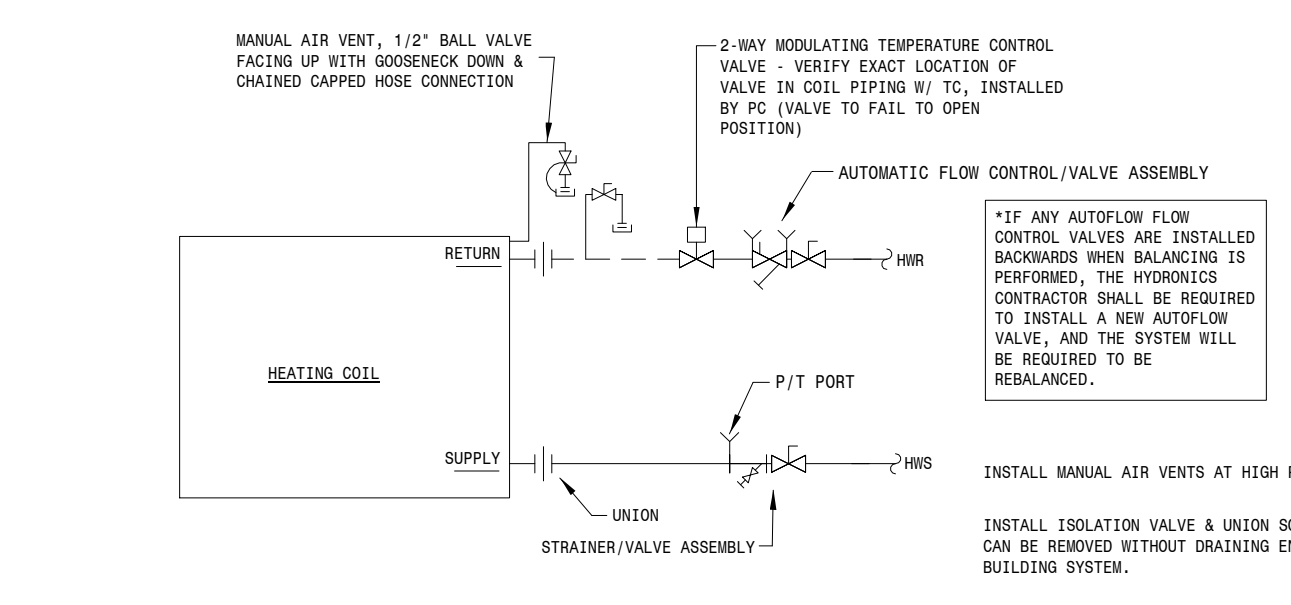
AHU-1 Cooling Coil Piping Detail
NOT TO SCALE



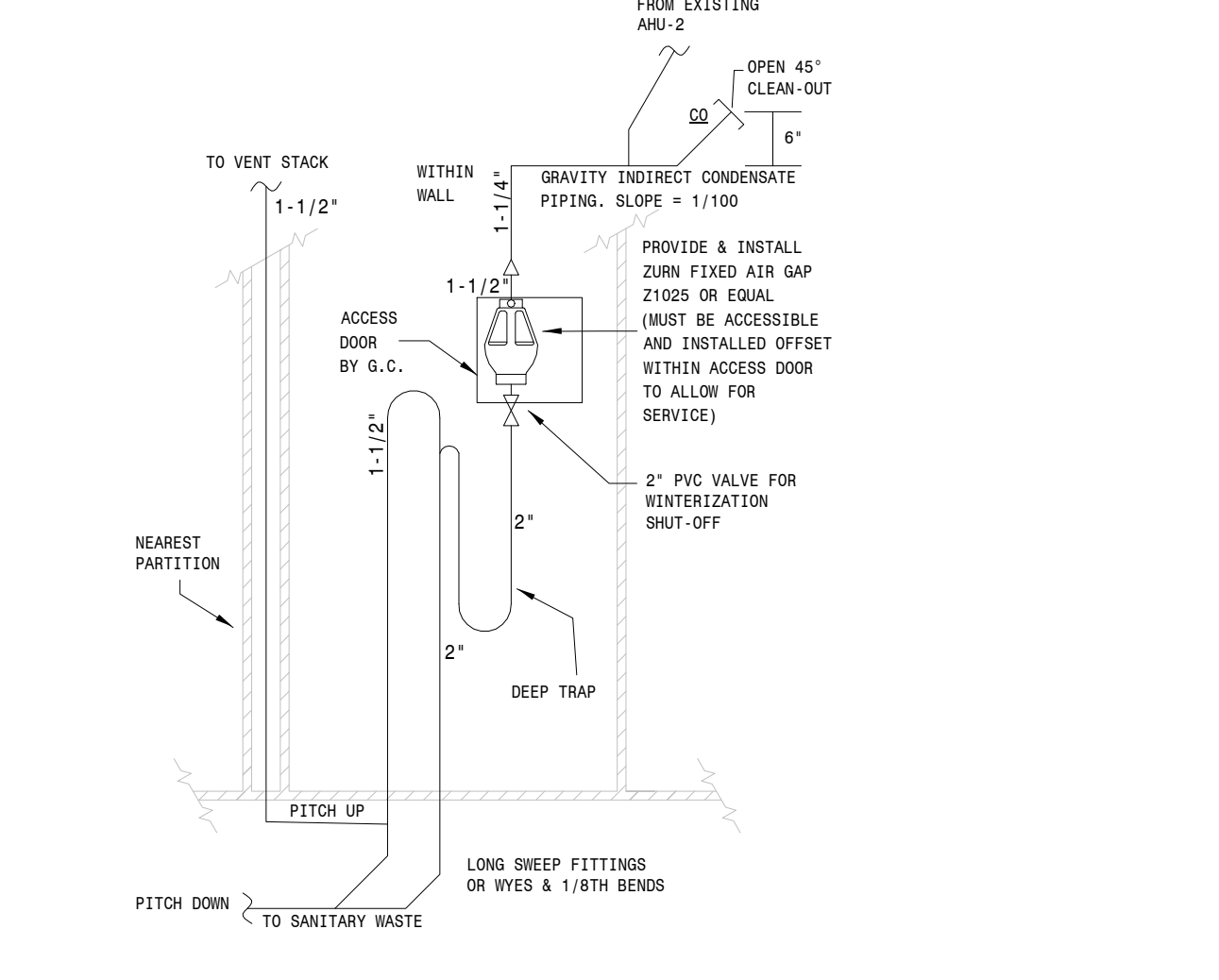
VAV Heating Coil Piping Detail
NOT TO SCALE



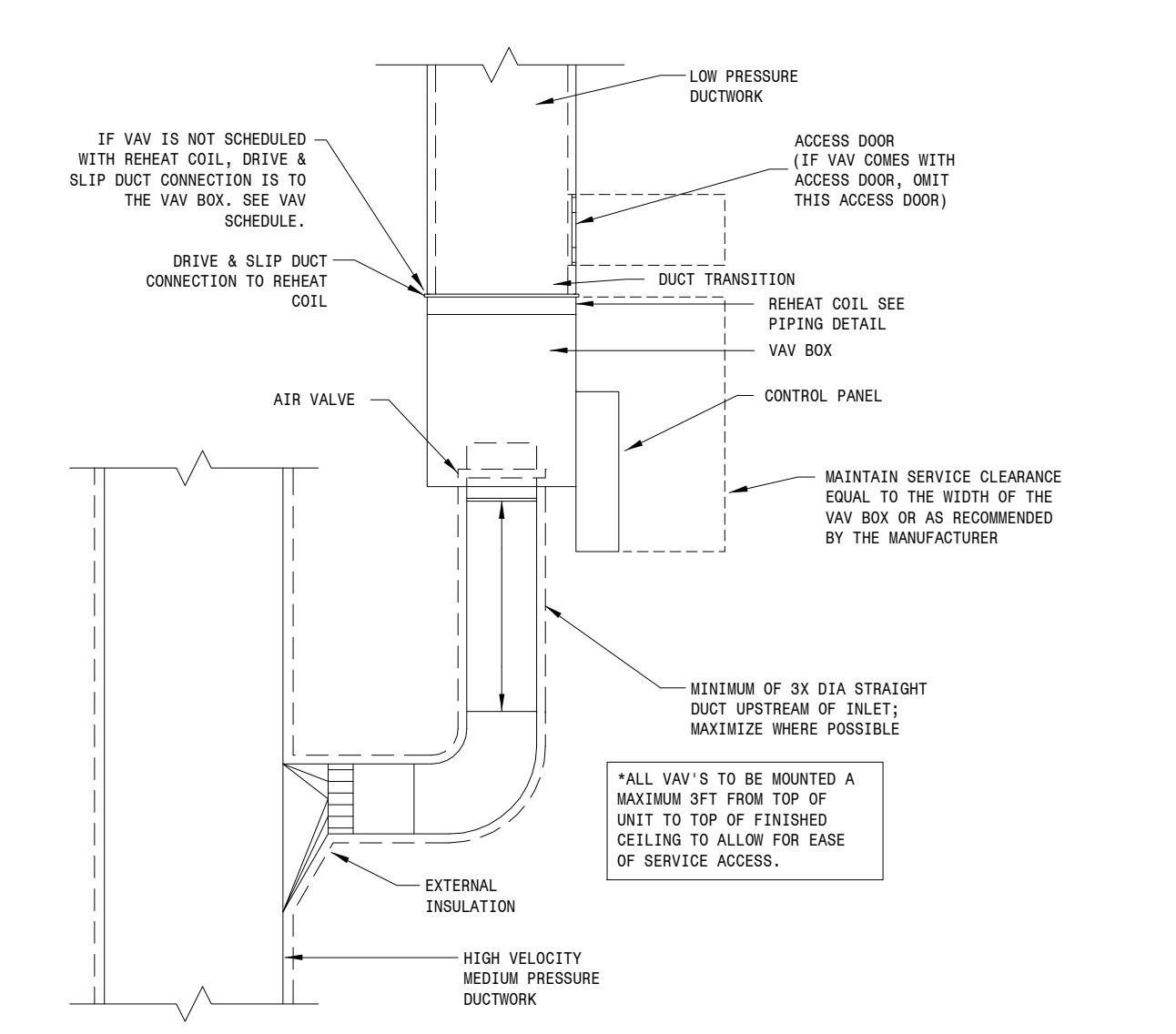
Hot Water Coil Piping Detail (HC-3 & HC-4)
NOT TO SCALE



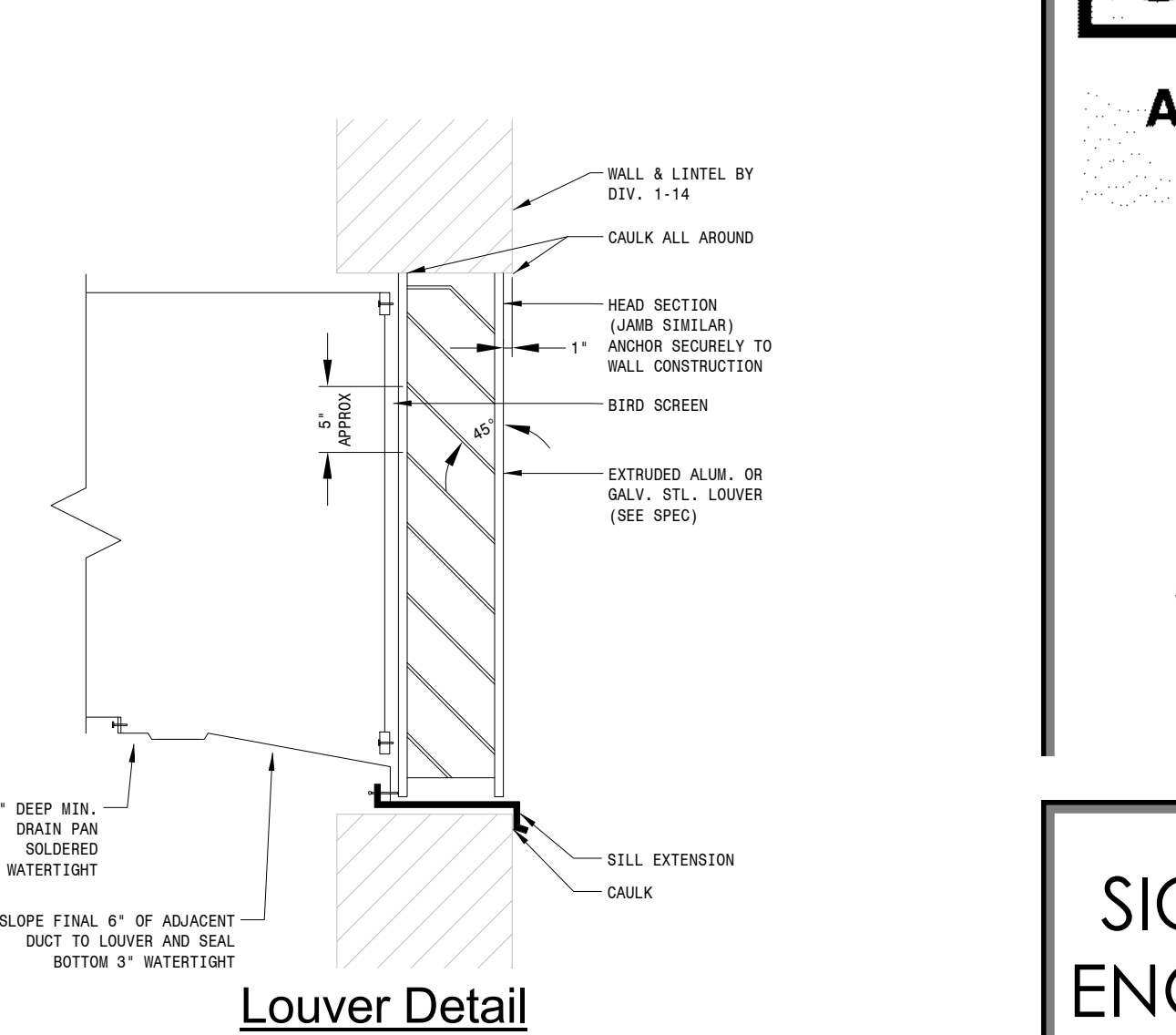
Hot Water Coil Piping Detail (HC-#)
NOT TO SCALE



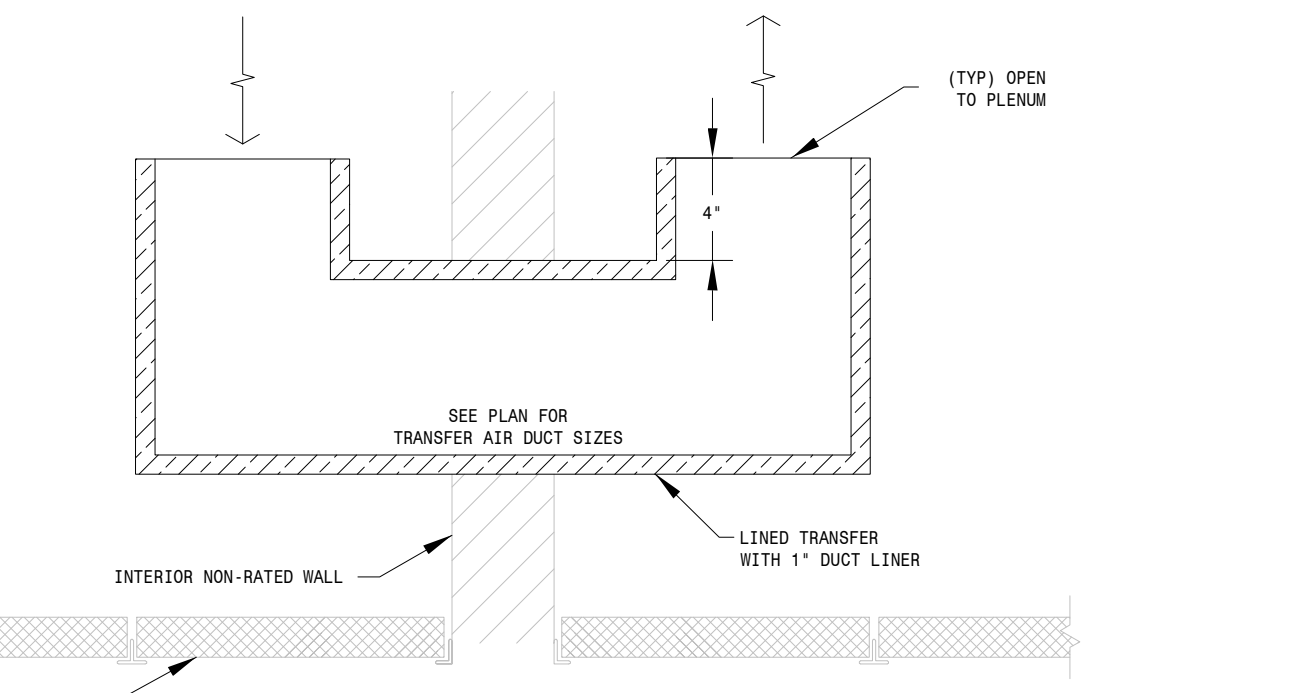
Indirect Condensate Piping Diagram
NOT TO SCALE



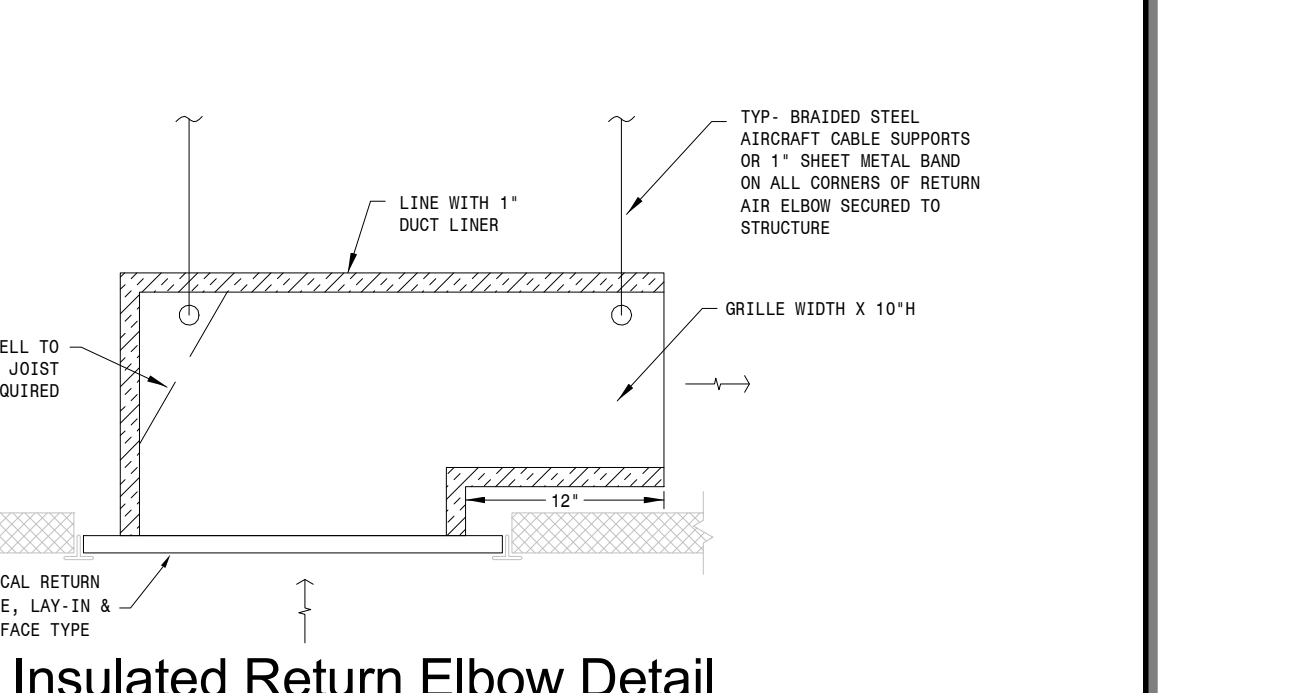
VAV Box Duct Connection Detail
NOT TO SCALE



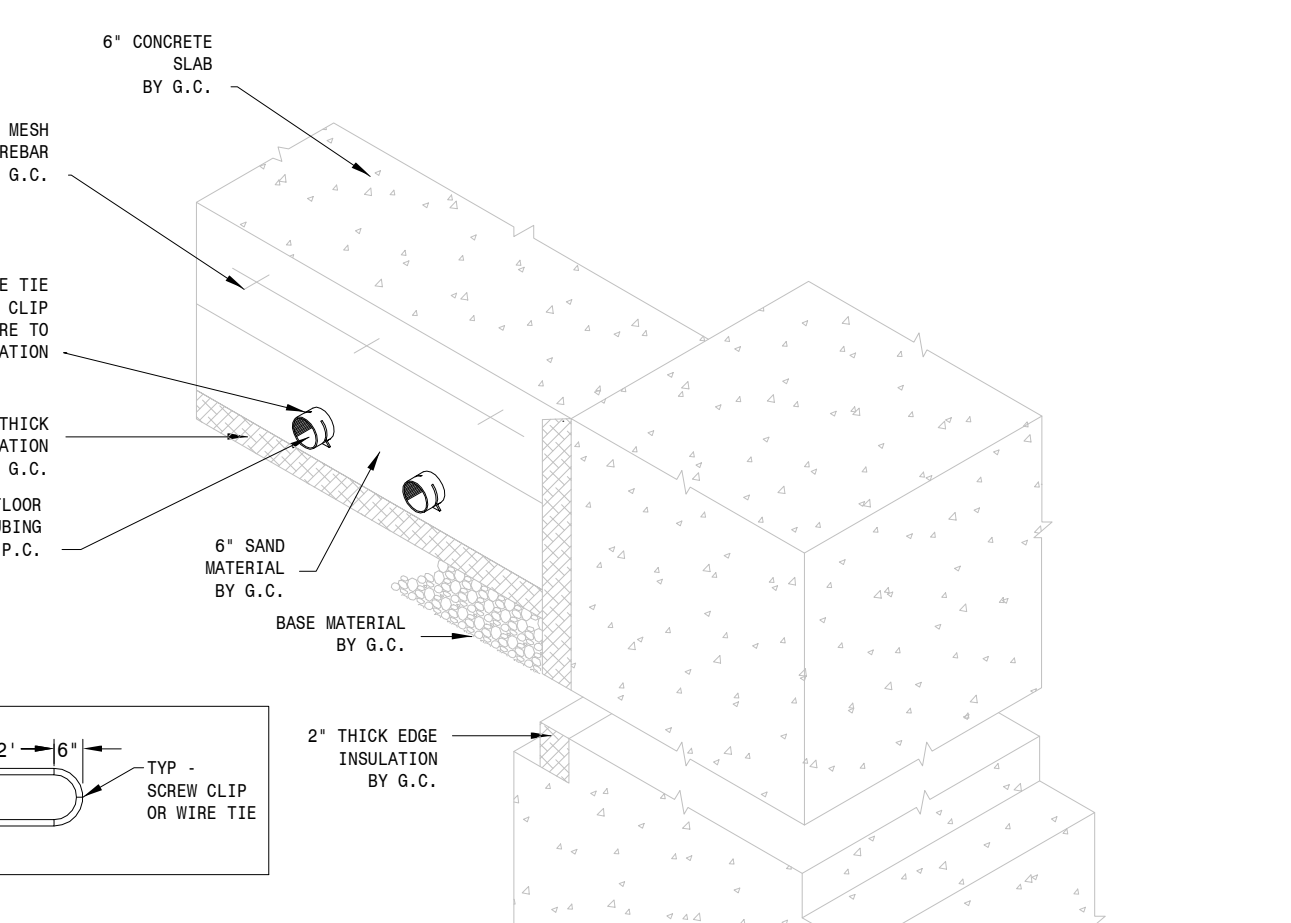
Louver Detail
NOT TO SCALE



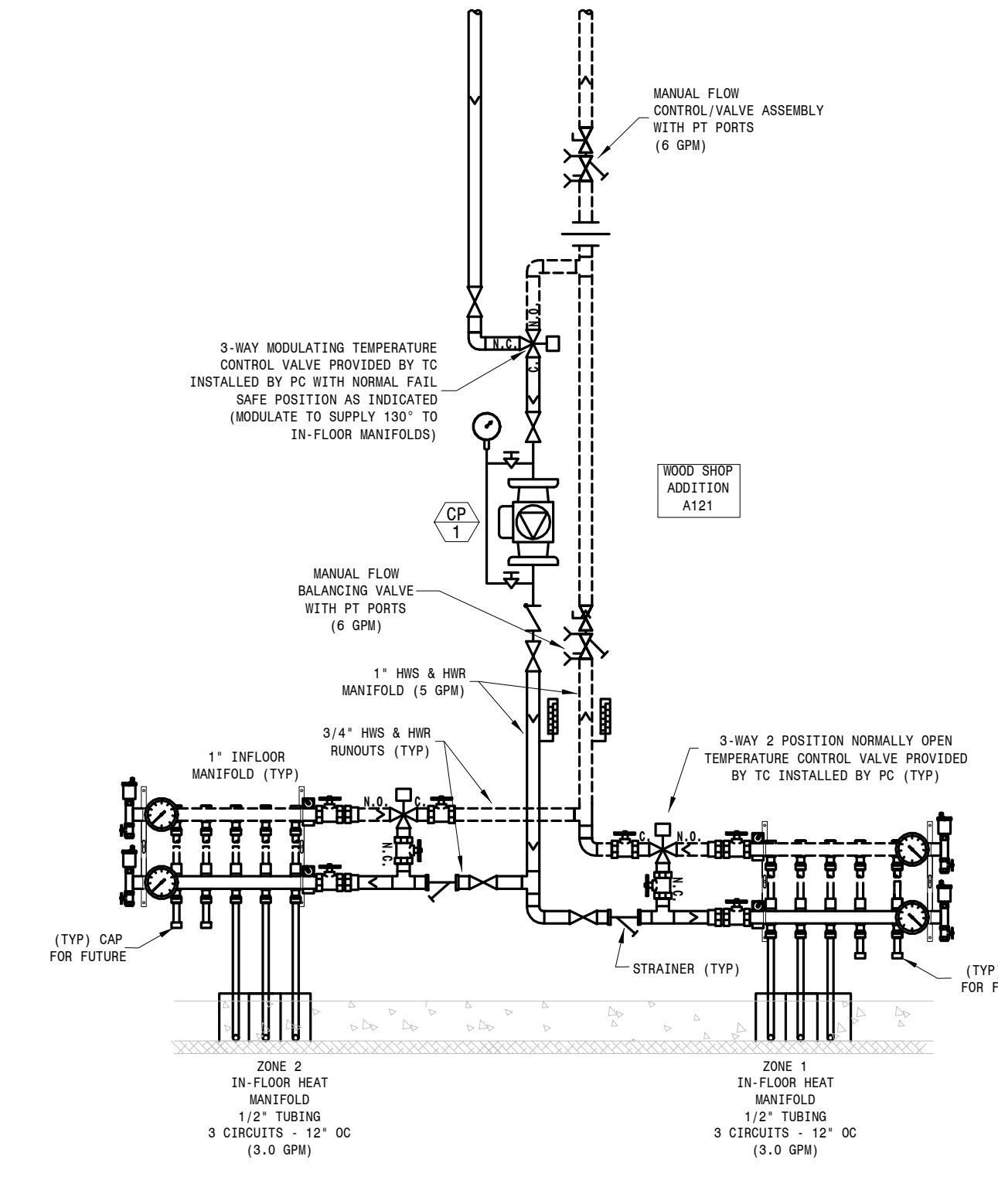
Insulated Transfer Duct Detail
NOT TO SCALE



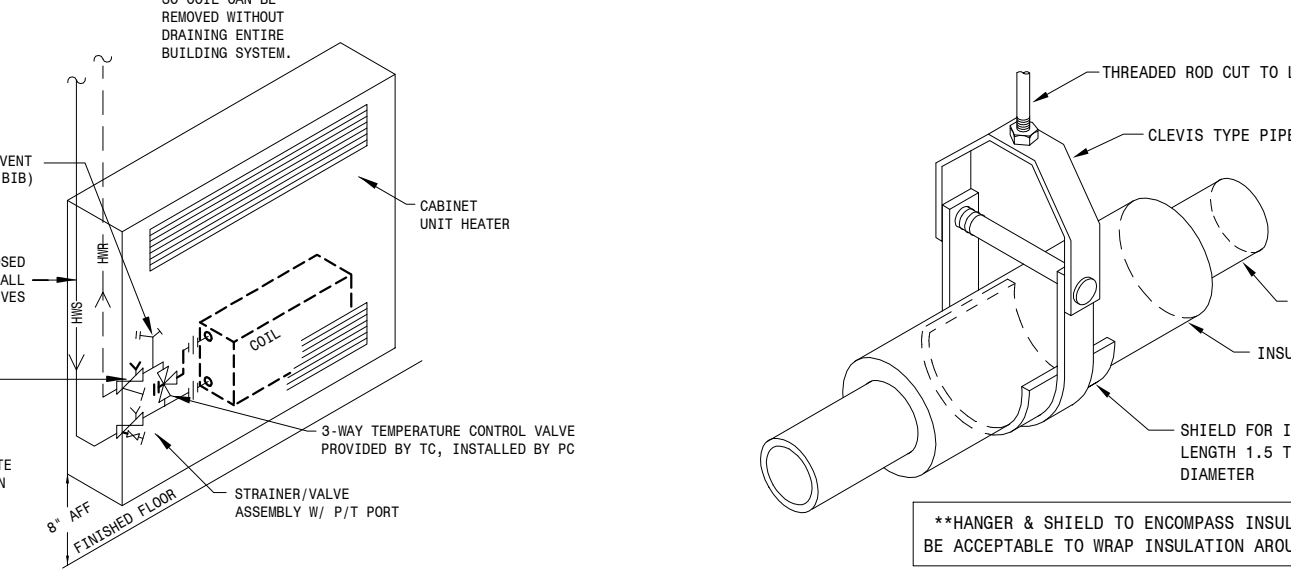
Insulated Return Elbow Detail
NOT TO SCALE



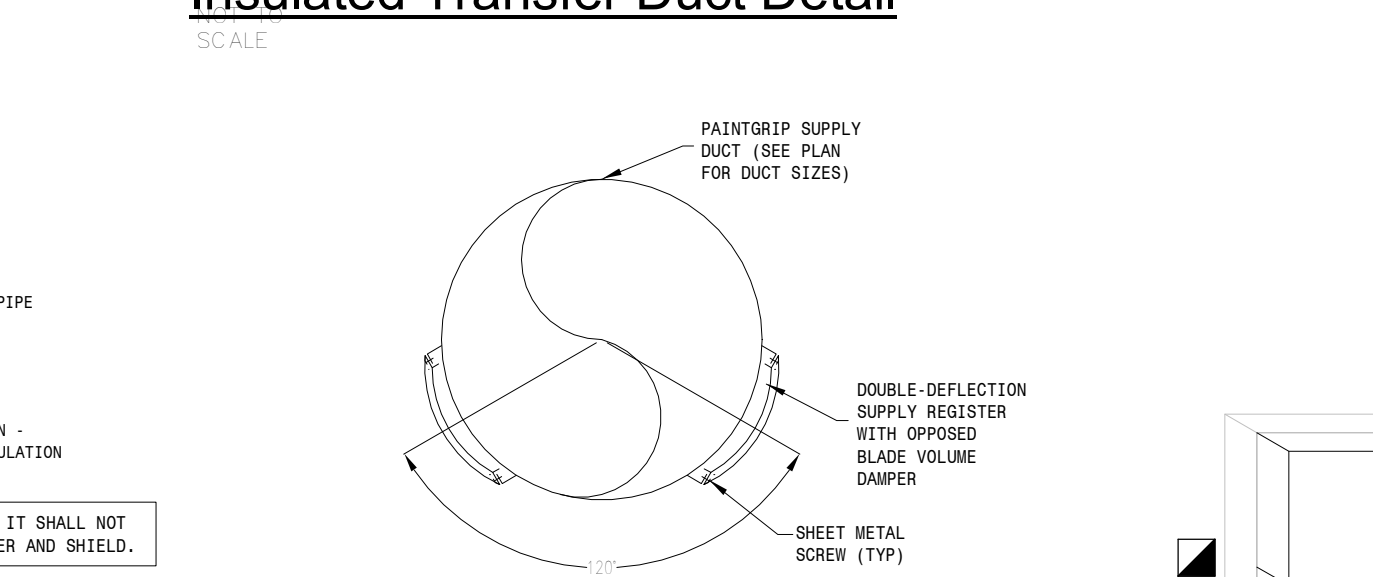
Concrete Slab Detail
NOT TO SCALE



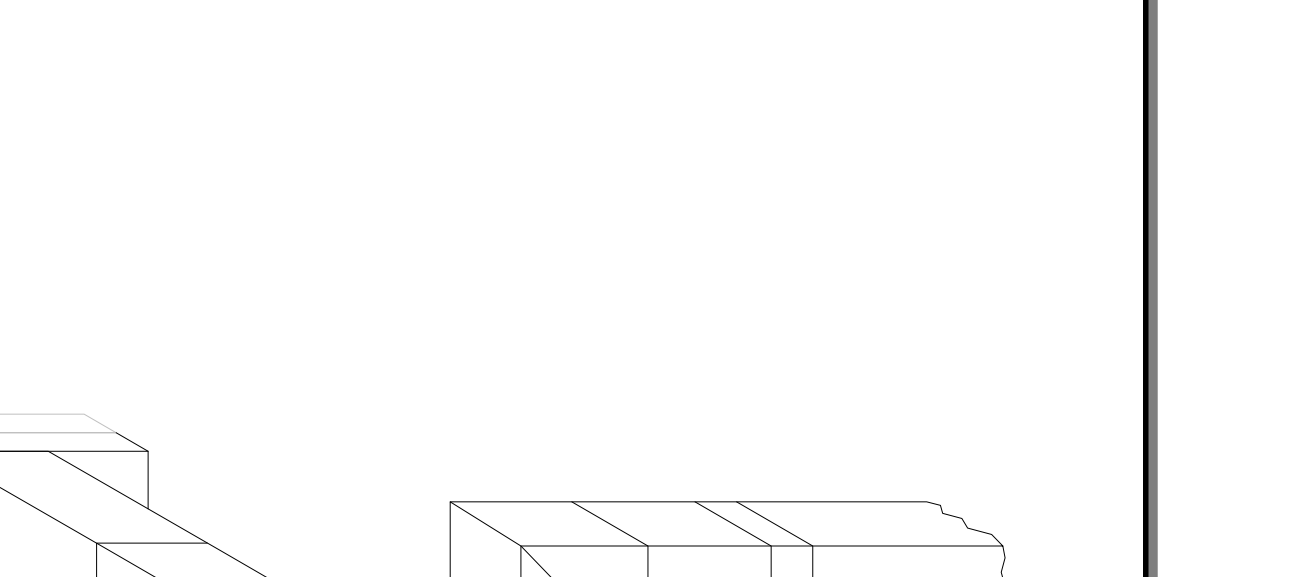
In-Floor Heat Manifold Piping Detail
NOT TO SCALE



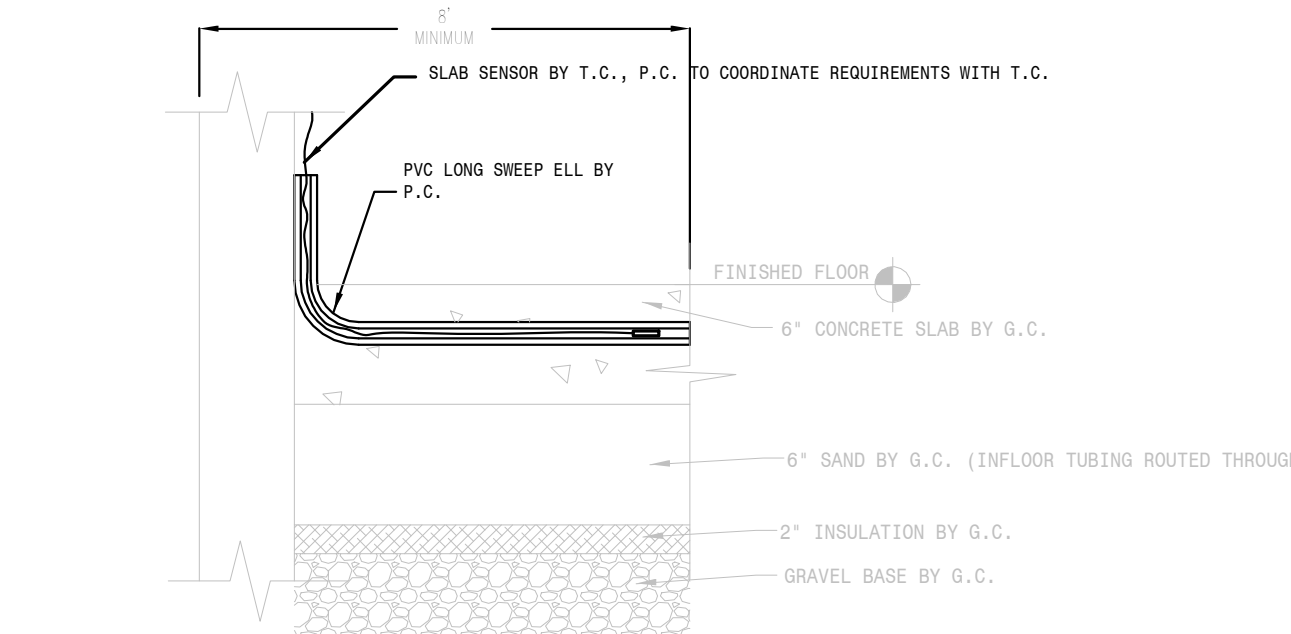
Cabinet Unit Heater Piping Detail
NOT TO SCALE



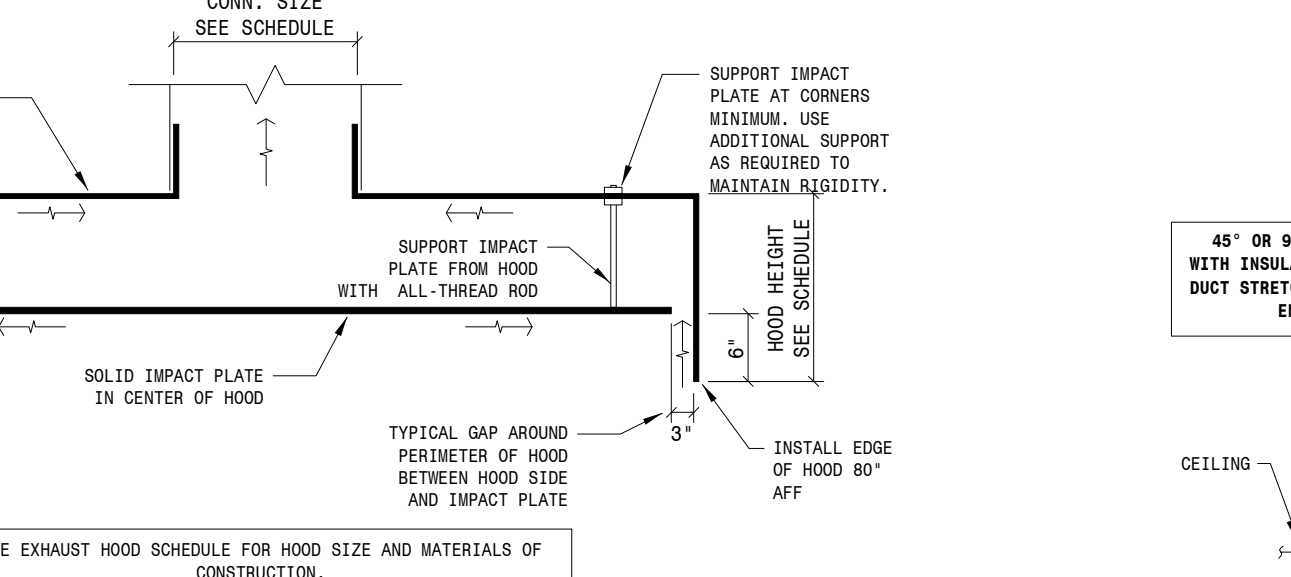
Clevis Type Pipe Hanger For Insulated Pipe Detail
NOT TO SCALE



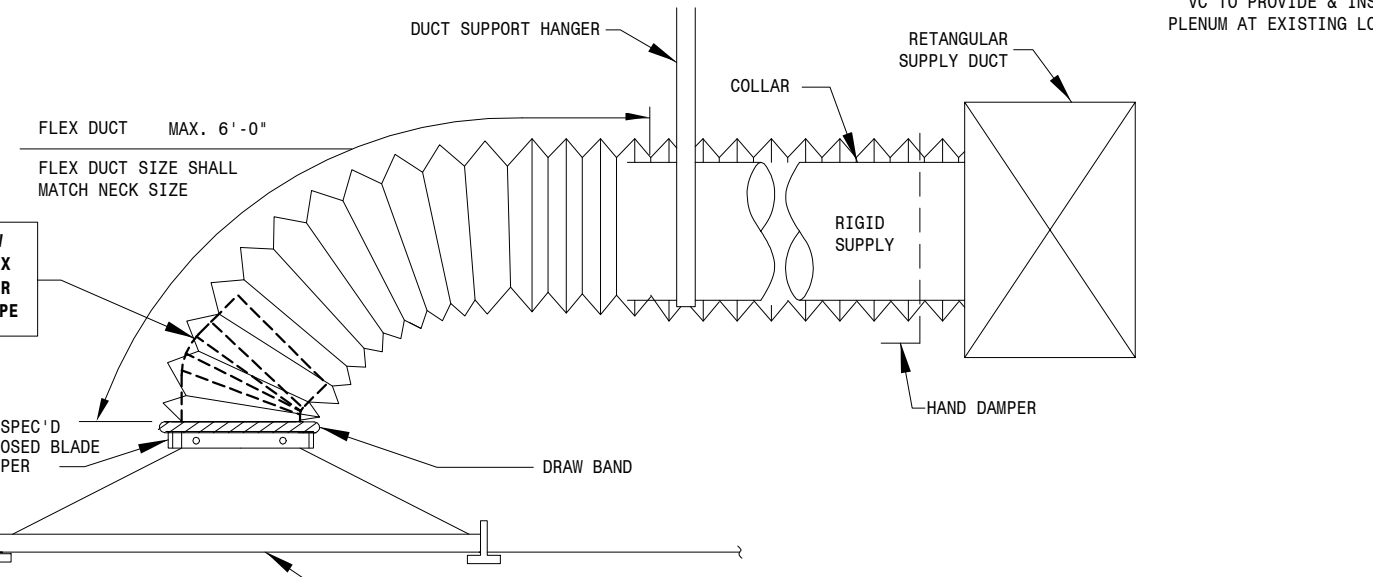
Spiral Duct Section
NOT TO SCALE



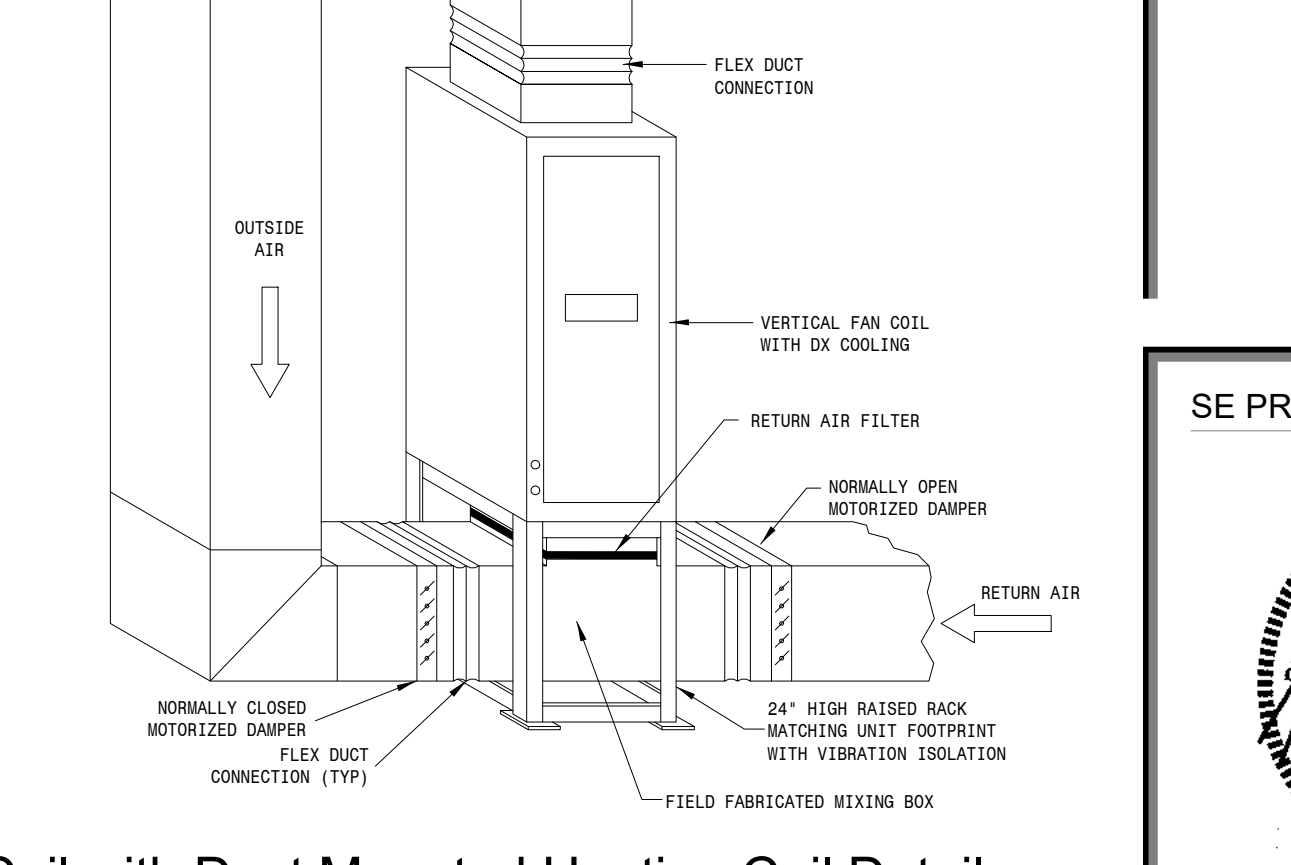
Slab Stat Detail
NOT TO SCALE



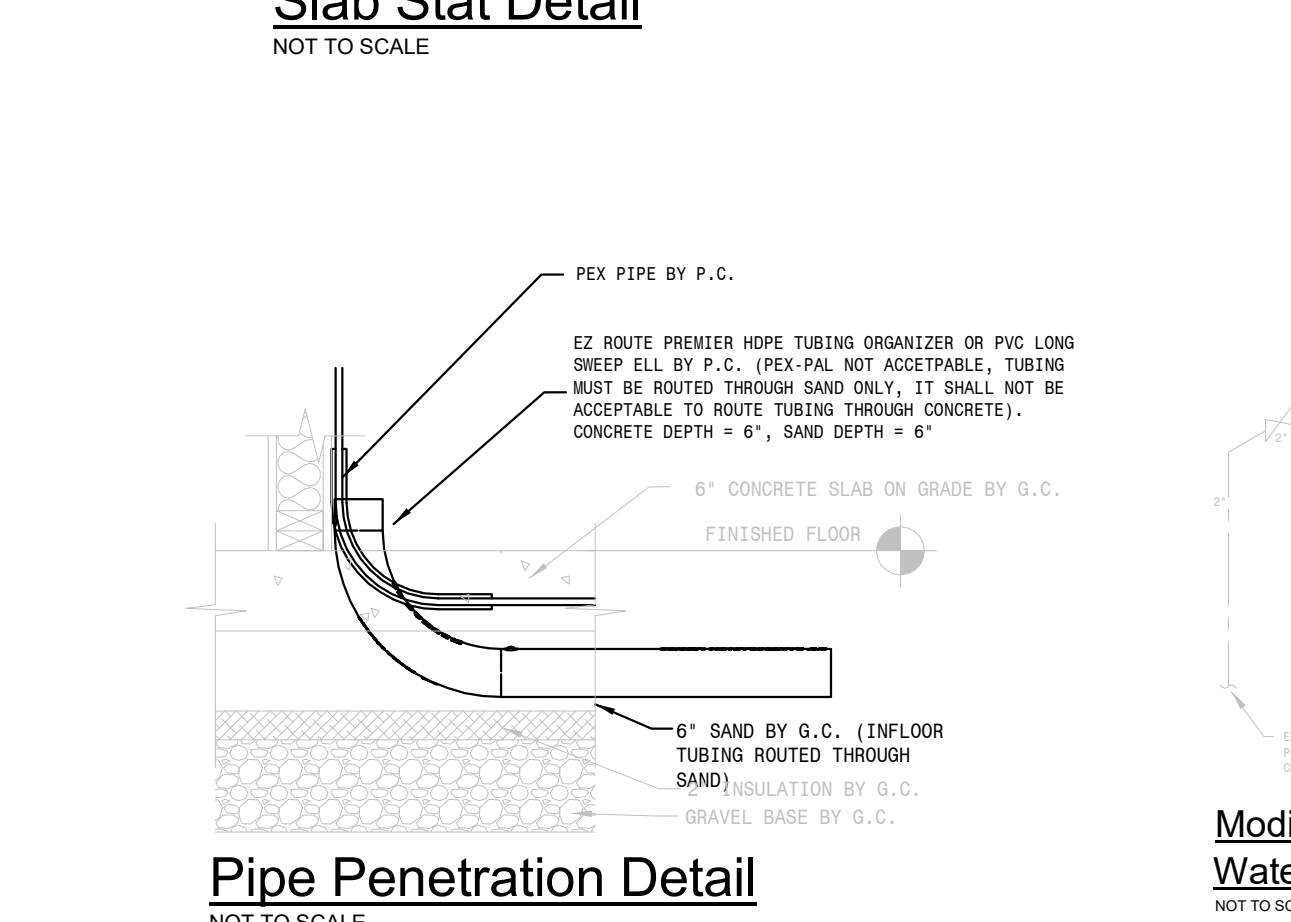
Plasma Hood Detail
NOT TO SCALE



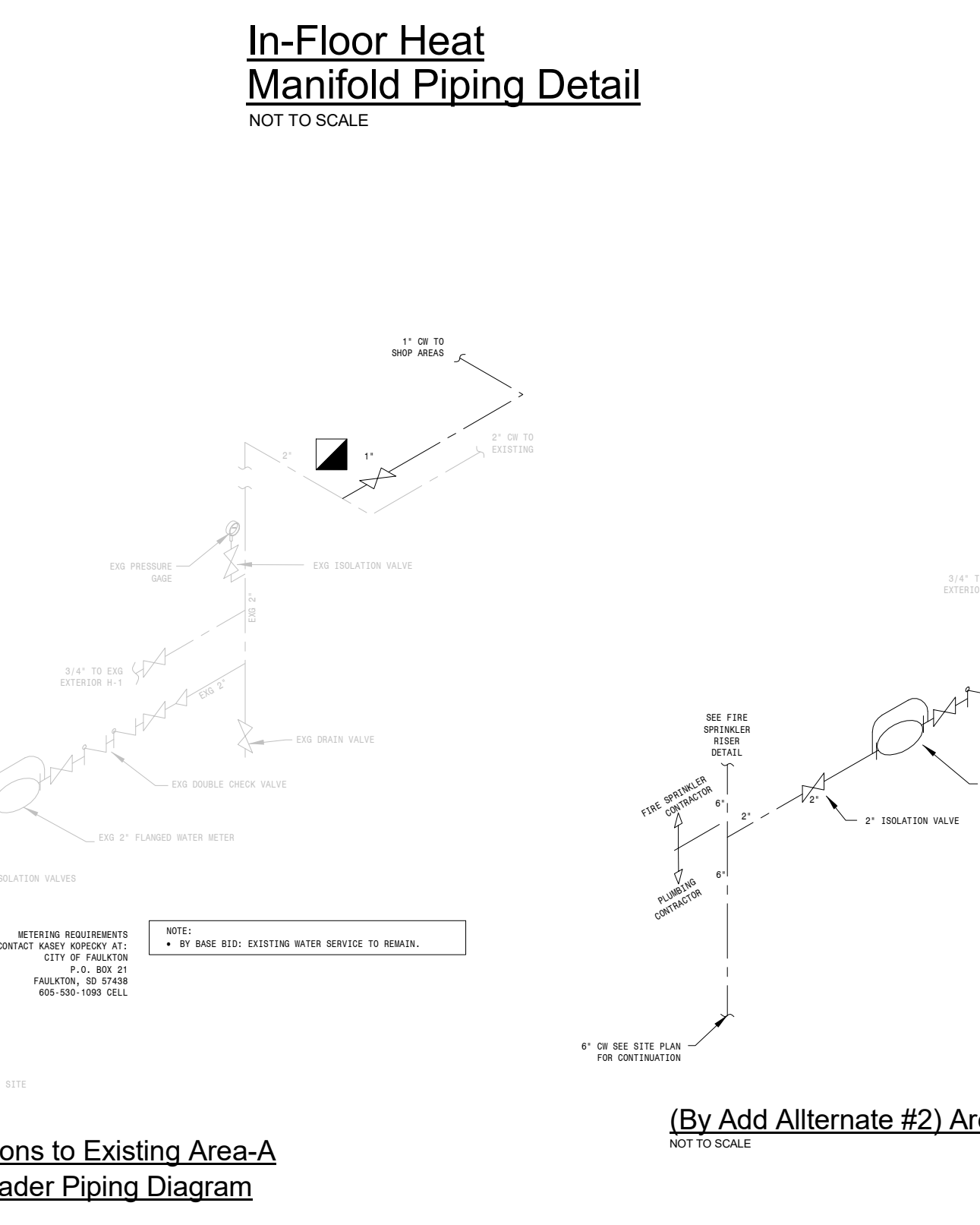
Typical Diffuser Connection Detail
NOT TO SCALE



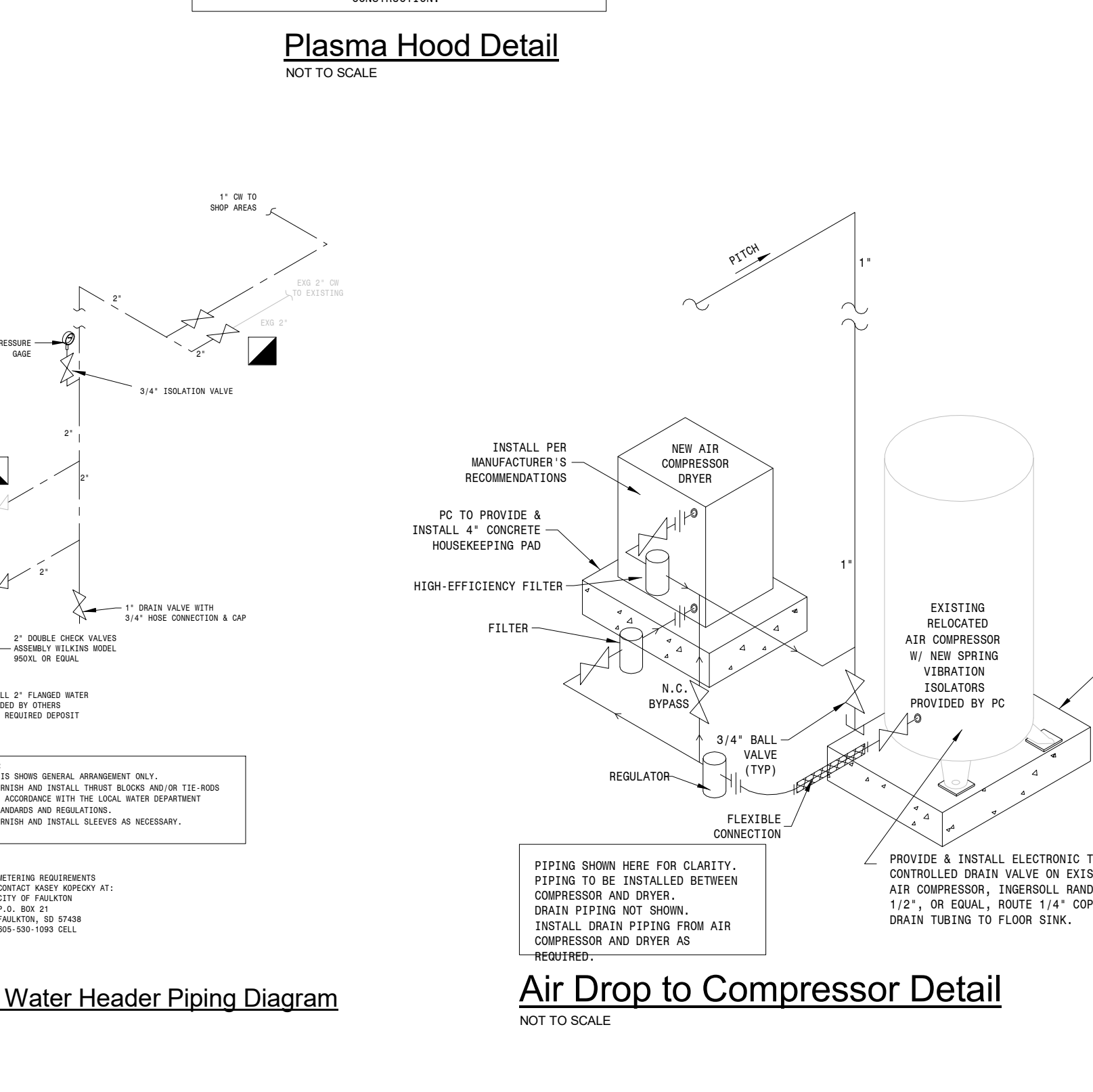
Fan Coil with Duct Mounted Heating Coil Detail
NOT TO SCALE



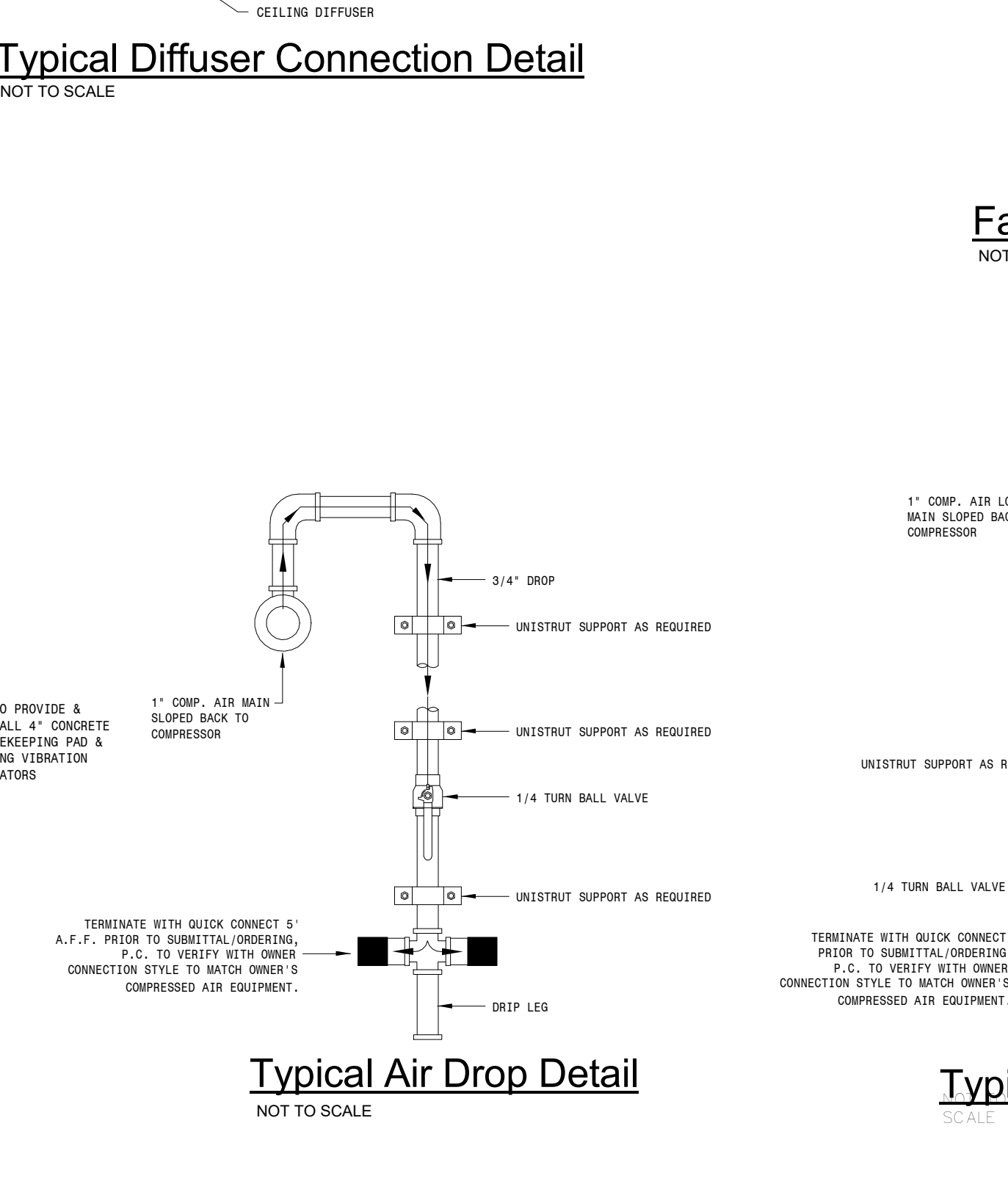
Pipe Penetration Detail
NOT TO SCALE



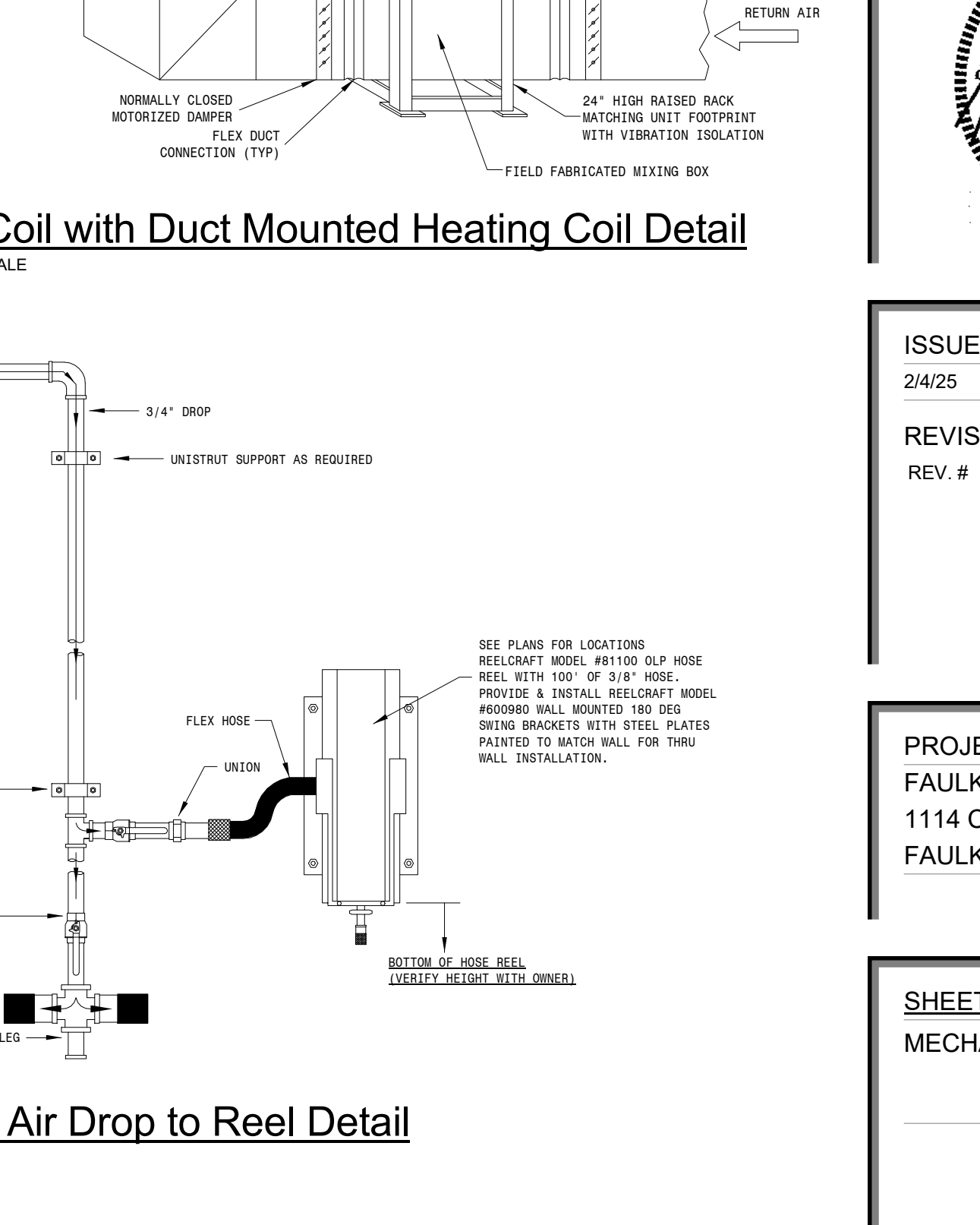
Modifications to Existing Area-A Water Header Piping Diagram
NOT TO SCALE



(By Add Alternate #2) Area-A Water Header Piping Diagram
NOT TO SCALE

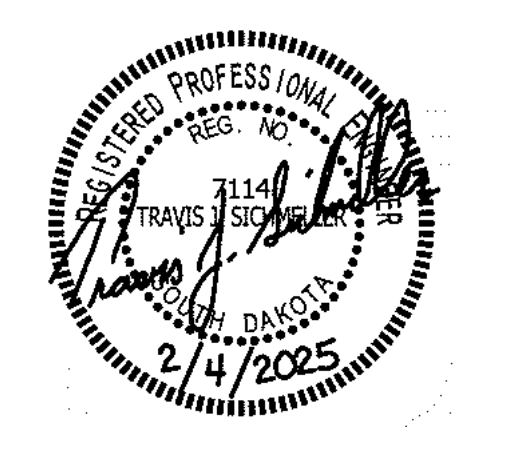


Air Drop to Compressor Detail
NOT TO SCALE



Typical Air Drop Detail
NOT TO SCALE

SE PROJECT NO: 241000845



ISSUE:
2/4/25 100% CD'S

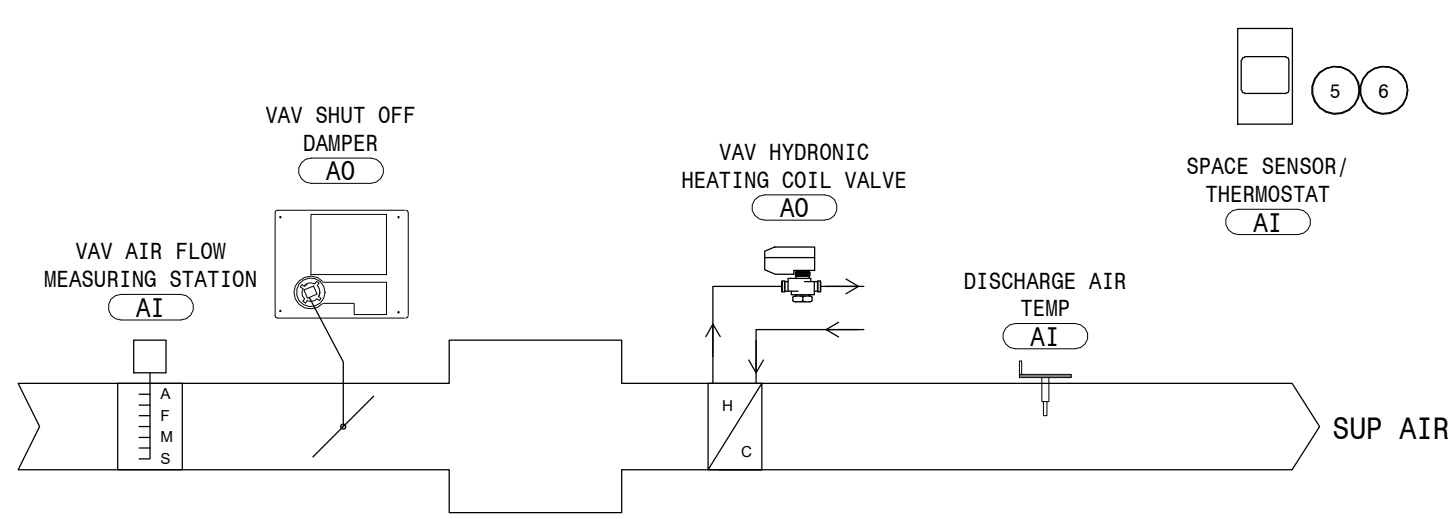
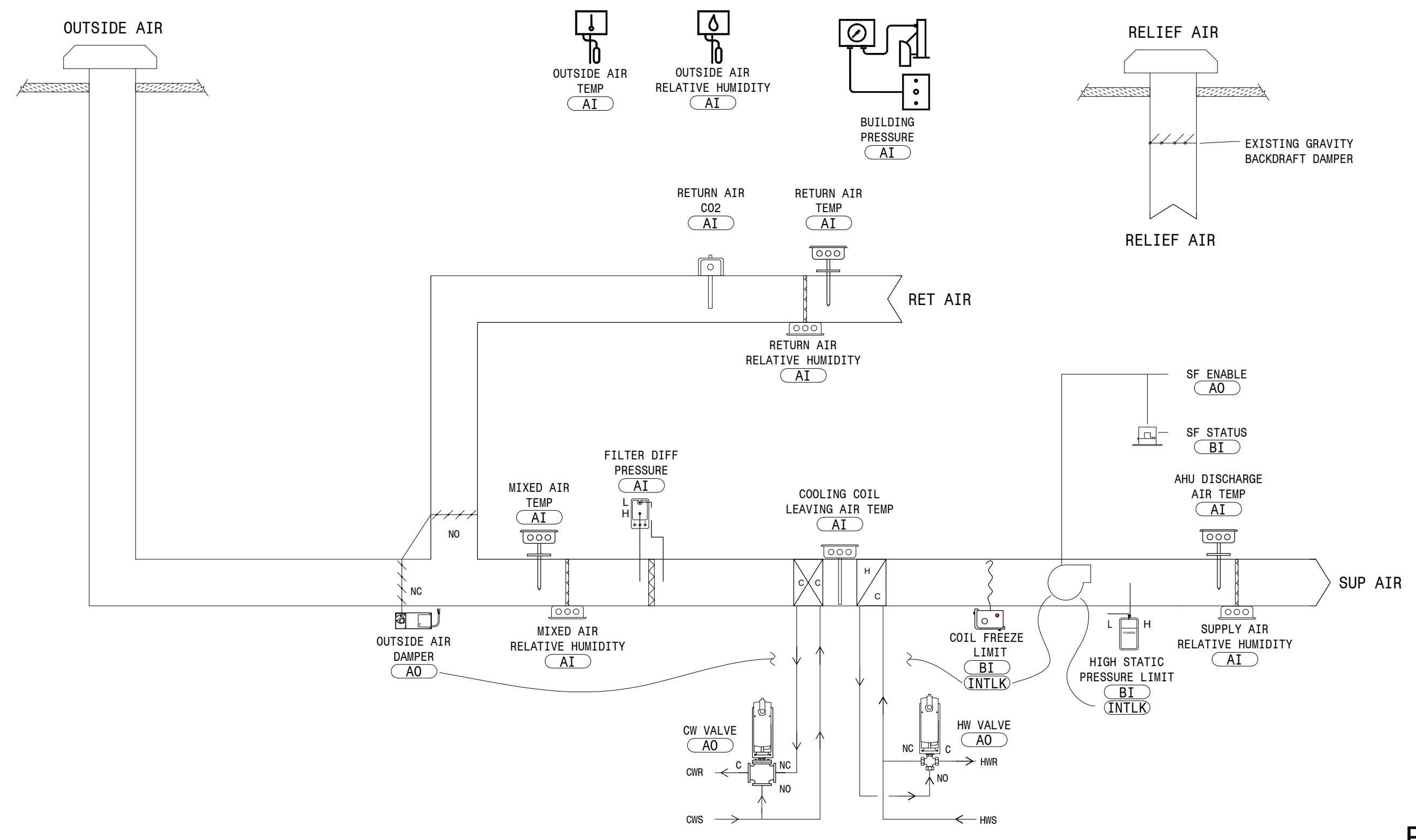
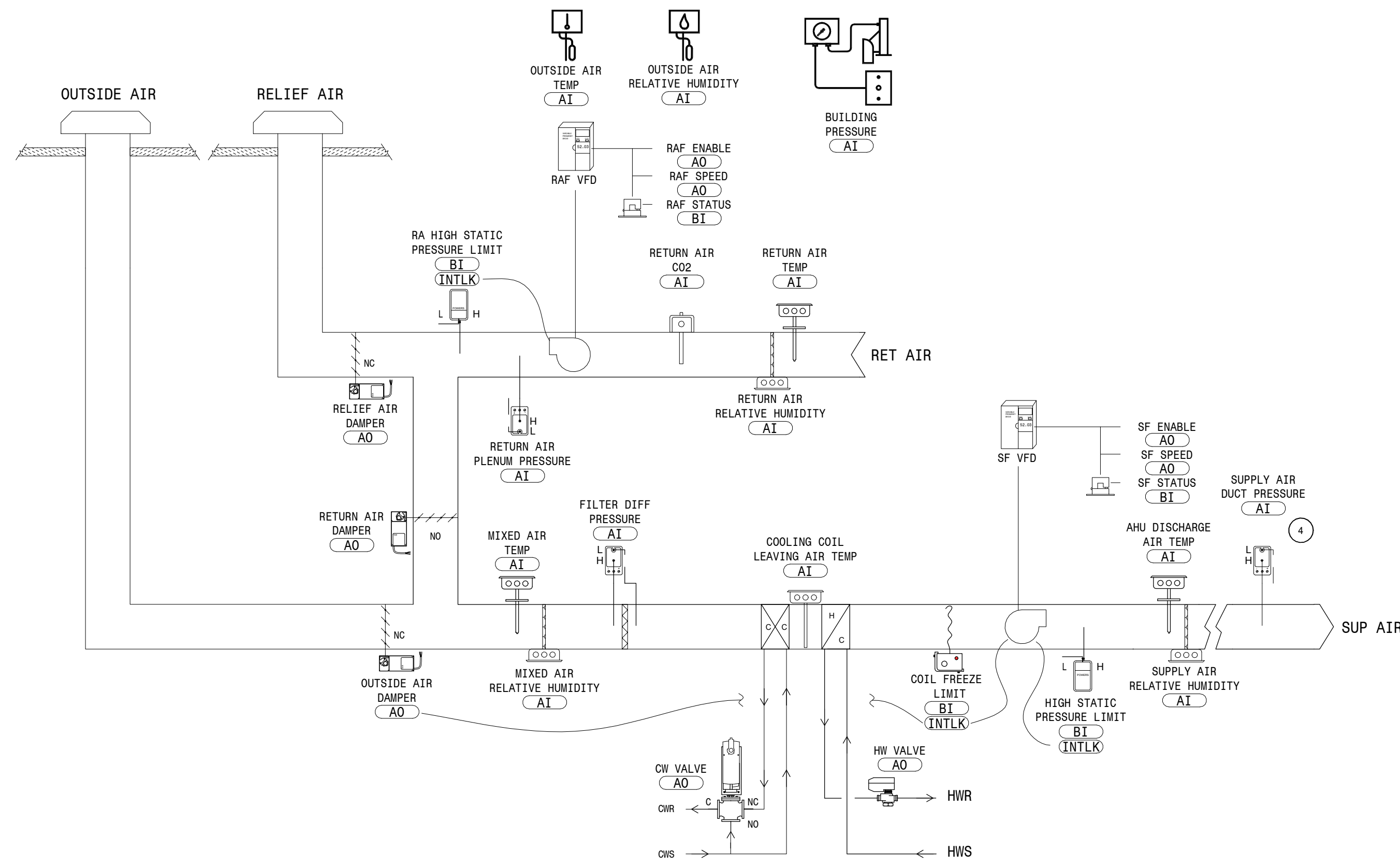
REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

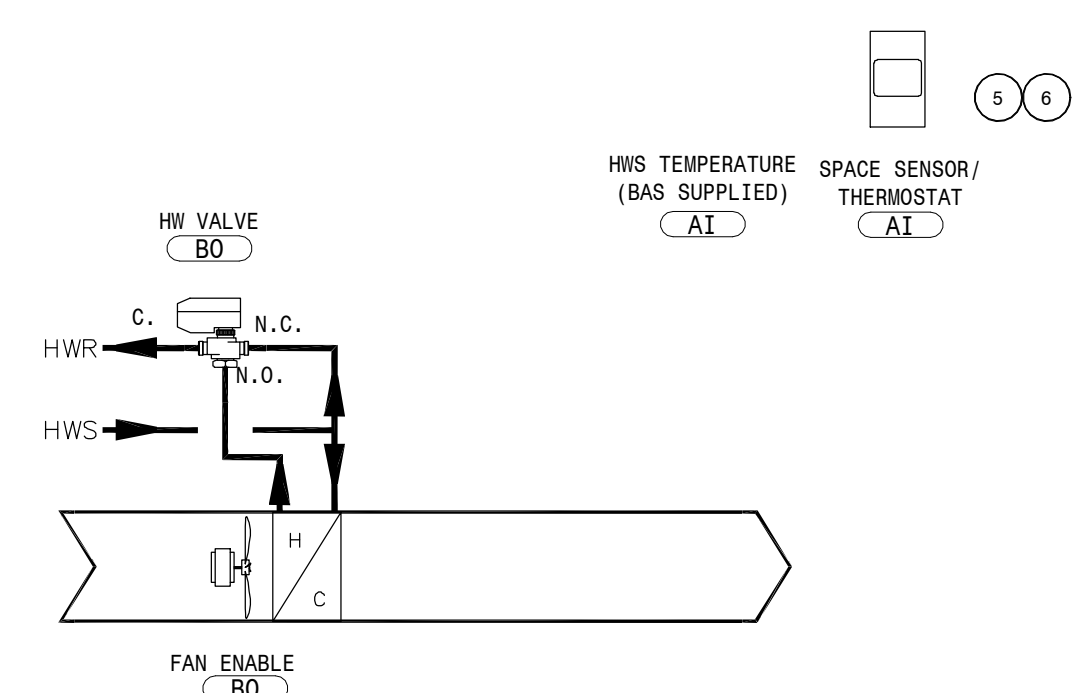
SHEET TITLE:
MECHANICAL DETAILS

M700

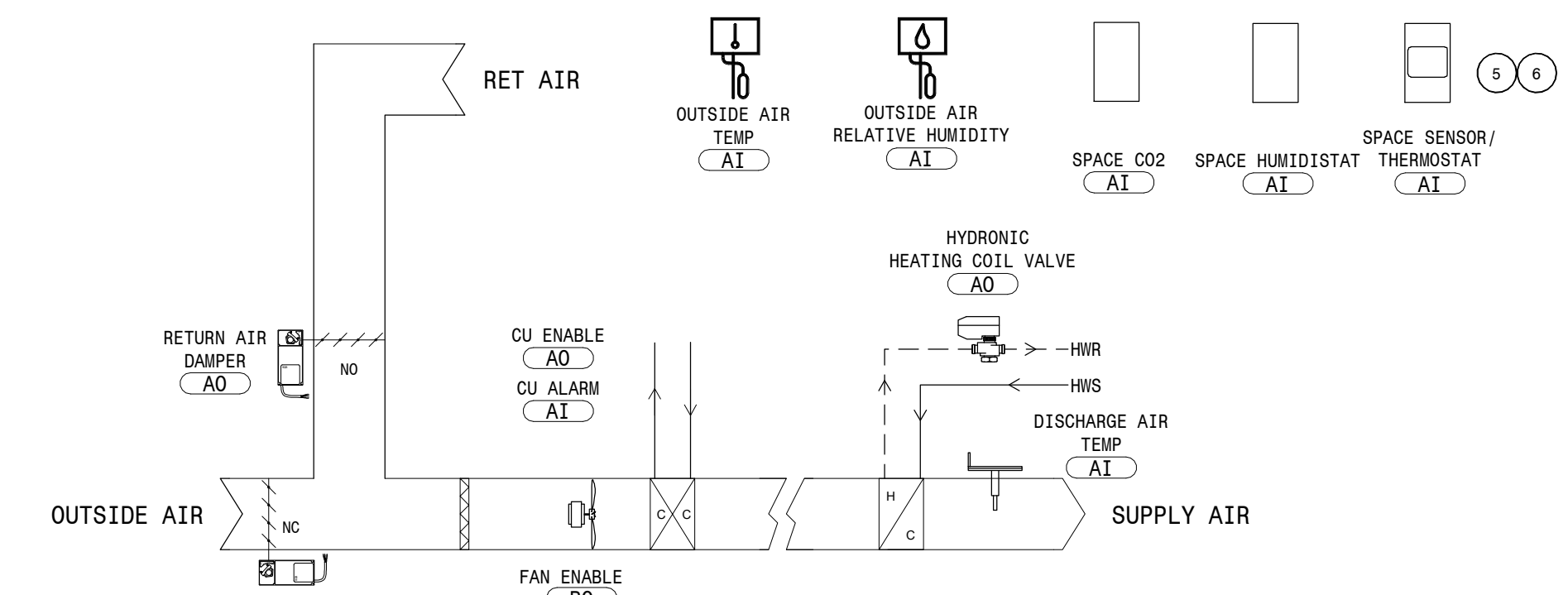
- NOTES:**
- SPACE CO2 SENSOR AND SPACE HUMIDISTAT IN BAND ROOM #102 ONLY. SEE TEMPERATURE CONTROL ZONE PLAN.
 - BASE RTD: EXISTING CONTROLS TO REMAIN. ALTERNATE: O&R CONTROLS TO TAKE CONTROL OF EXISTING AHU-3 PER CONTROL DIAGRAM.
 - NOT USED
 - PLACE SUPPLY AIR DUCT PRESSURE SENSOR 2/3 THE LENGTH IN THE LONGEST DUCT RUN FROM AHU. SEE PLANS FOR EXACT LOCATION.
 - LOCATE AS SHOWN ON FLOOR PLANS.
 - SEE TEMPERATURE CONTROL ZONE PLAN FOR EQUIPMENT CONTROLLED BY SPARE INPUTS AND OUTPUTS.



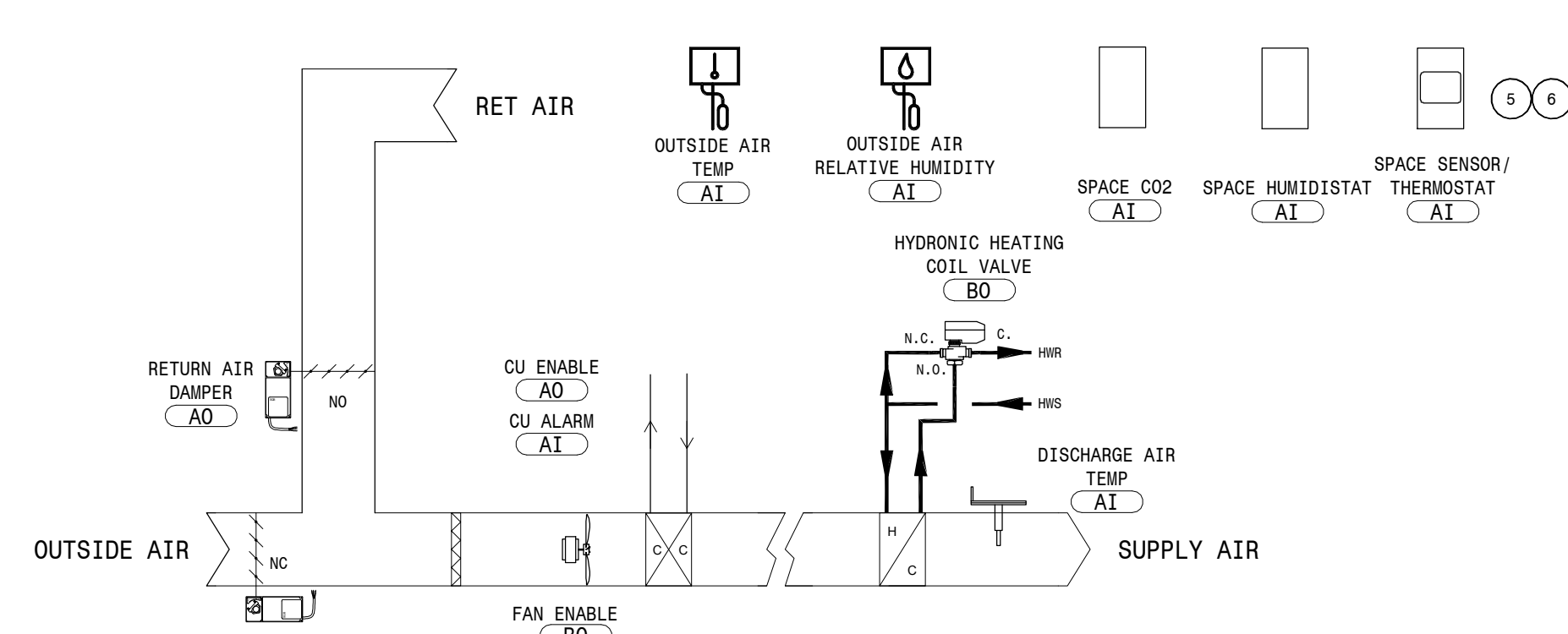
Typical VAV (with Reheat) Control Diagram
NOT TO SCALE



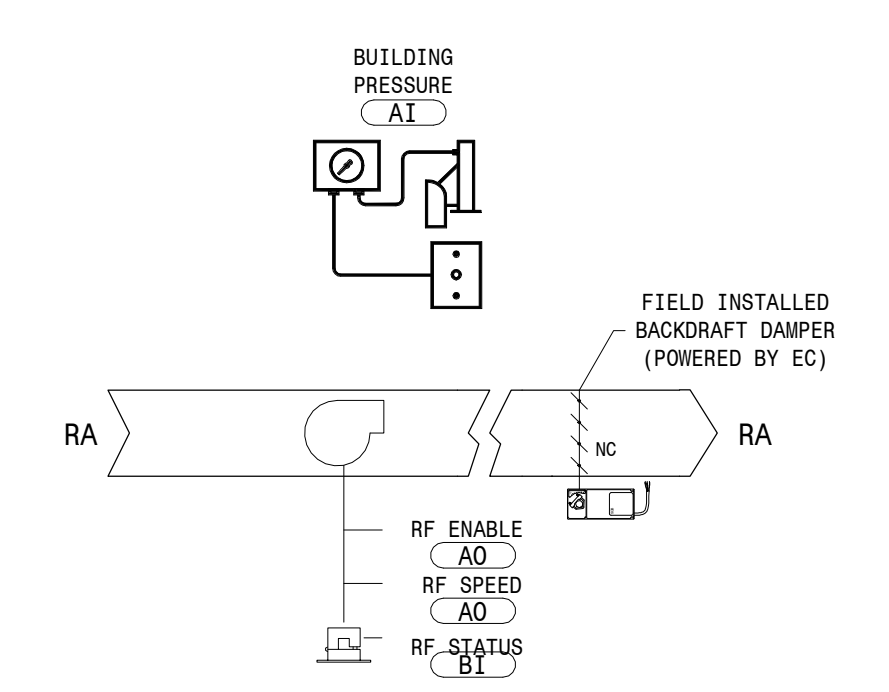
Typical CUH Control Diagram
NOT TO SCALE



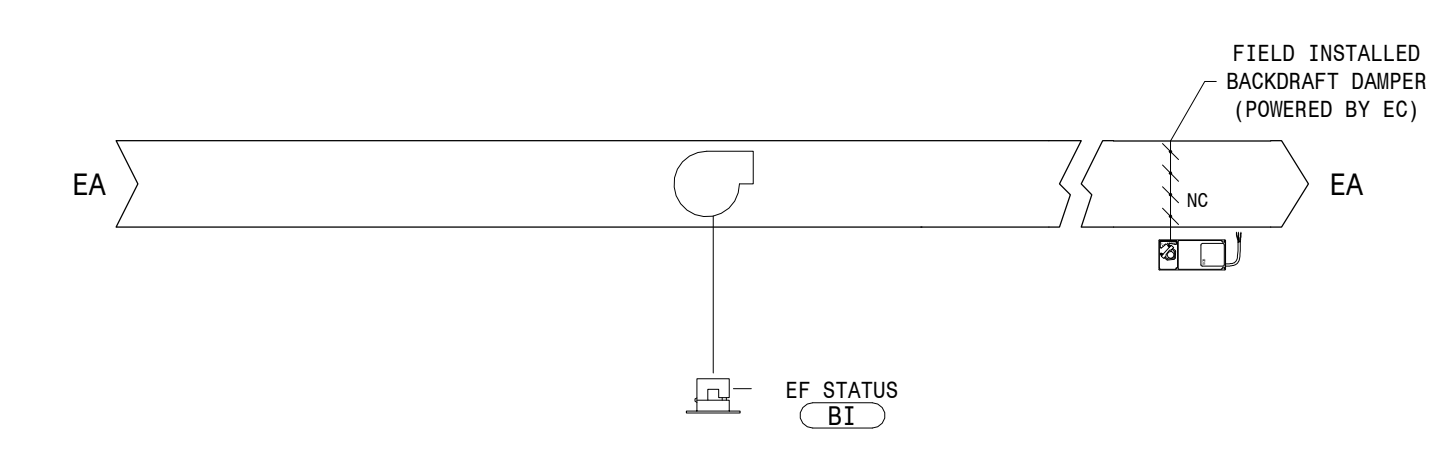
Fan Coil with Duct Mounted Heating Coil Control Diagram (FC-1 & FC-2)
NOT TO SCALE



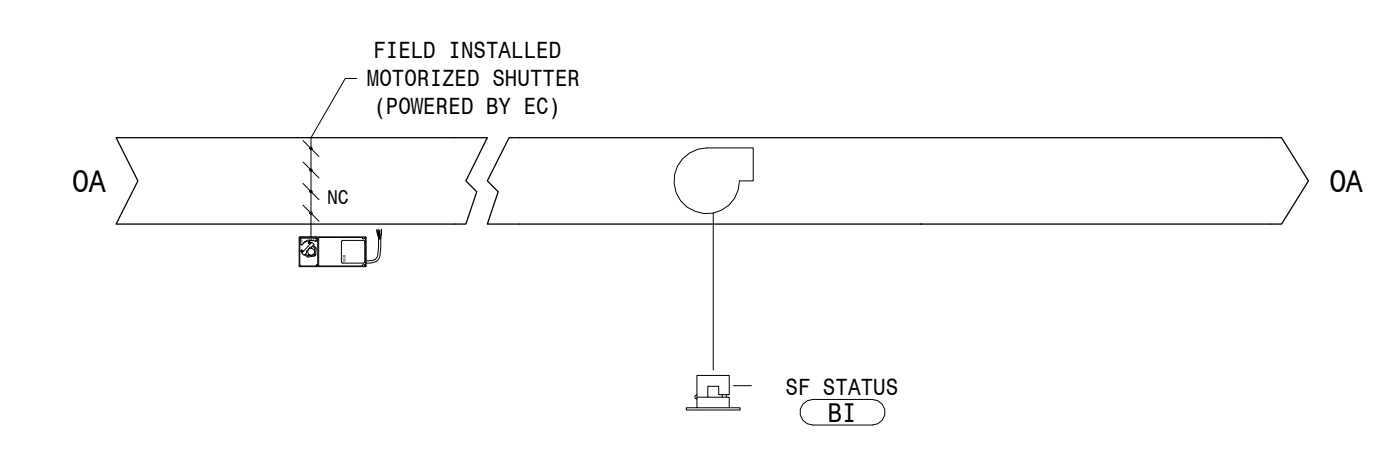
Fan Coil with Duct Mounted Heating Coil Control Diagram (FC-3)
NOT TO SCALE



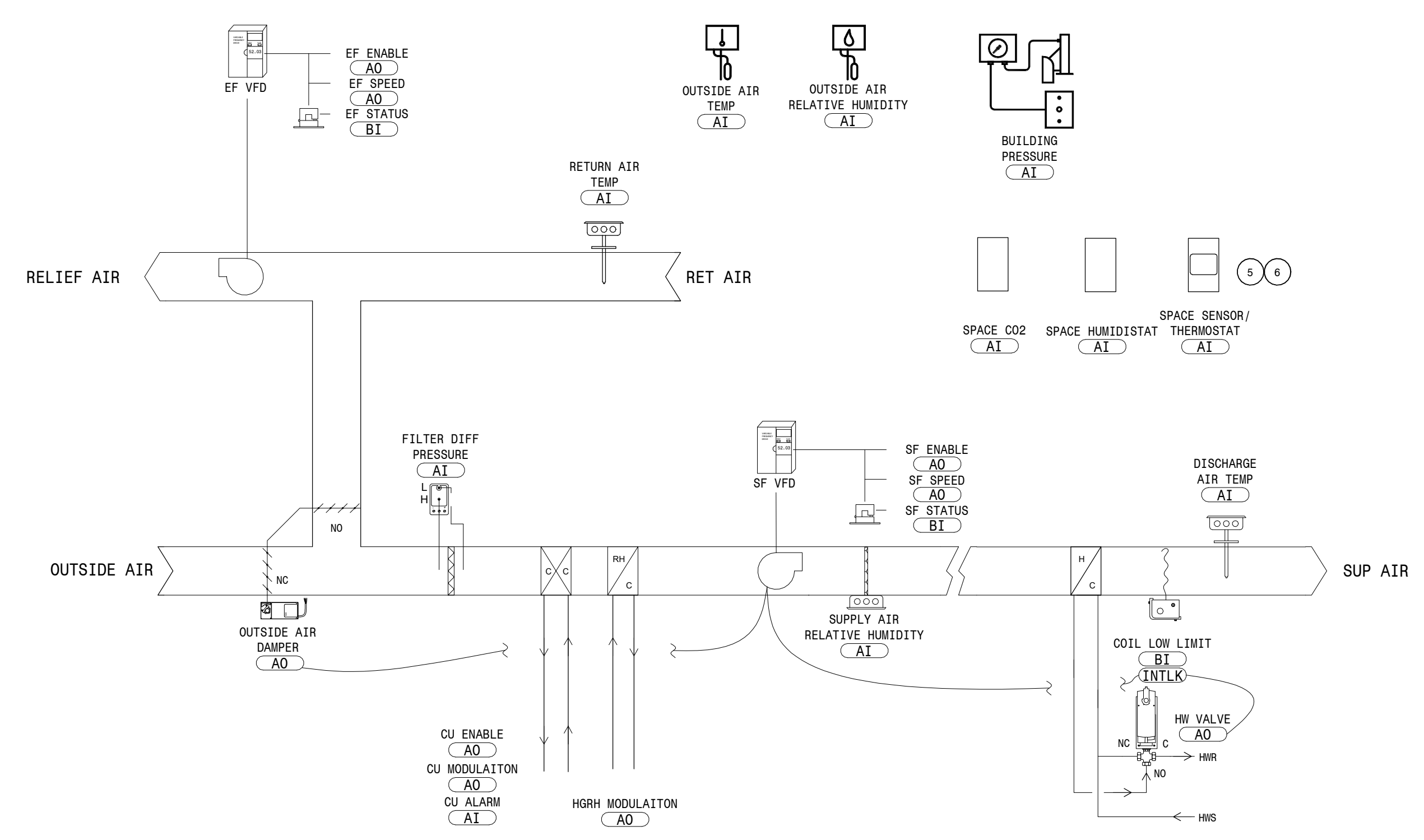
Relief Fan RF-1 Control Diagram
NOT TO SCALE



Exhaust Fan EF-2, EF-3 Control Diagram
NOT TO SCALE



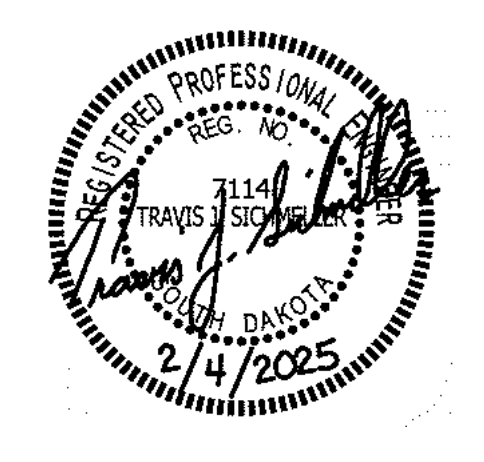
Supply Fan SF-1 Control Diagram
NOT TO SCALE



Packaged Cooling Only RTU with Duct Mounted Heating Coil Control Diagram (RTU-1 & HC-4)
NOT TO SCALE

Typical Duct Mounted Heating Coil Control Diagram (HC-X)
NOT TO SCALE

SE PROJECT NO: 241000845



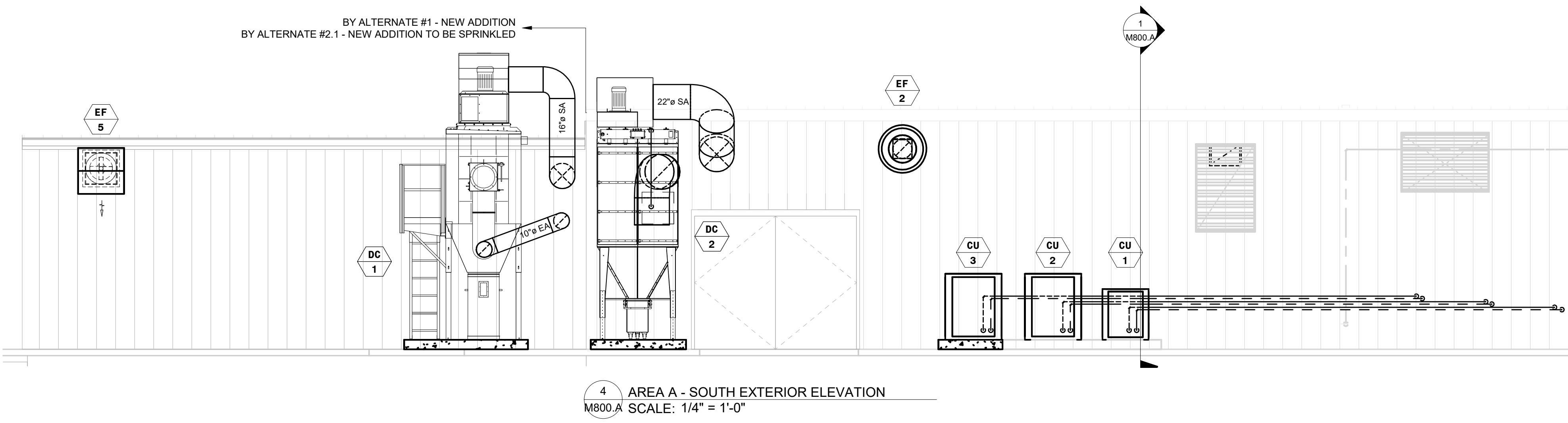
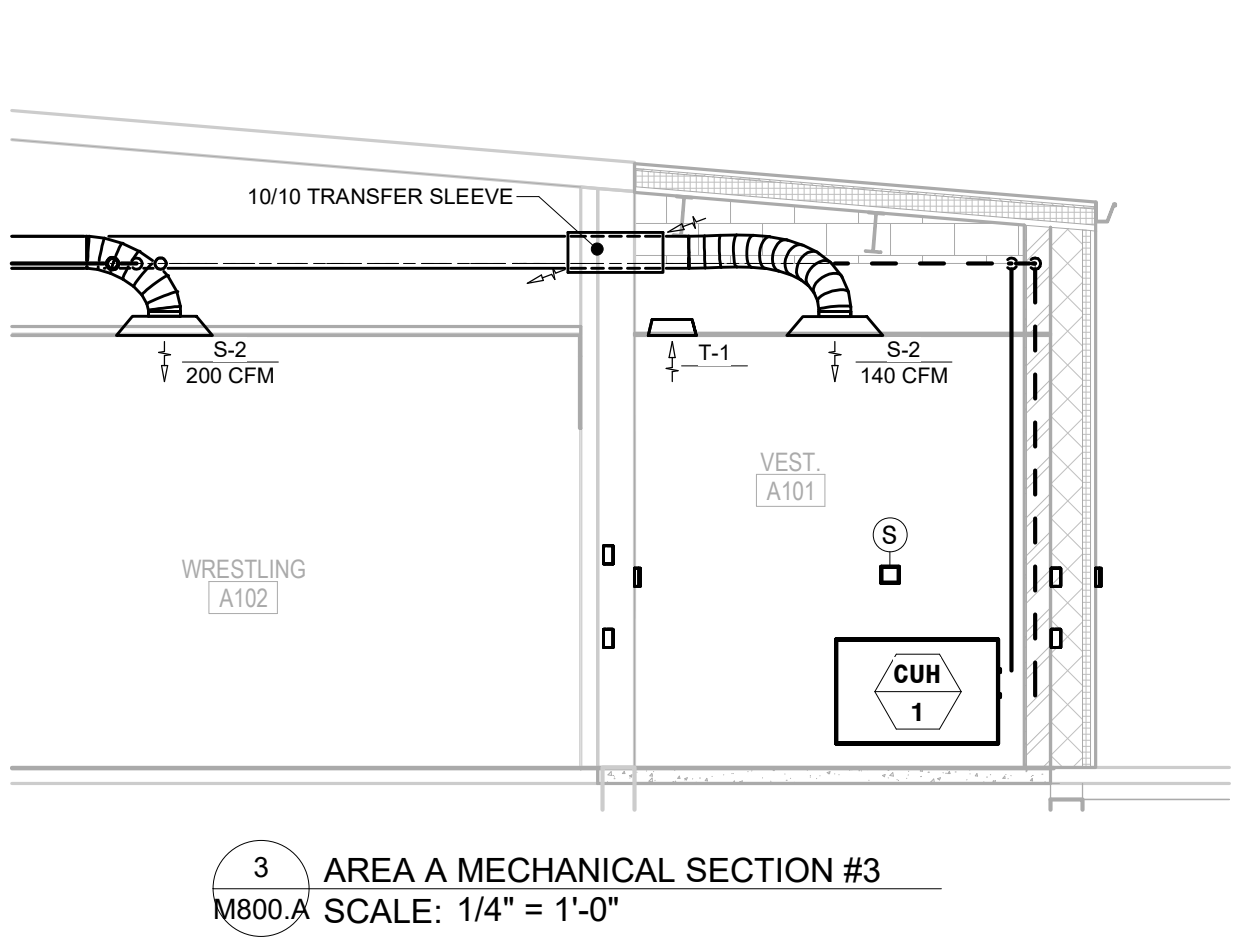
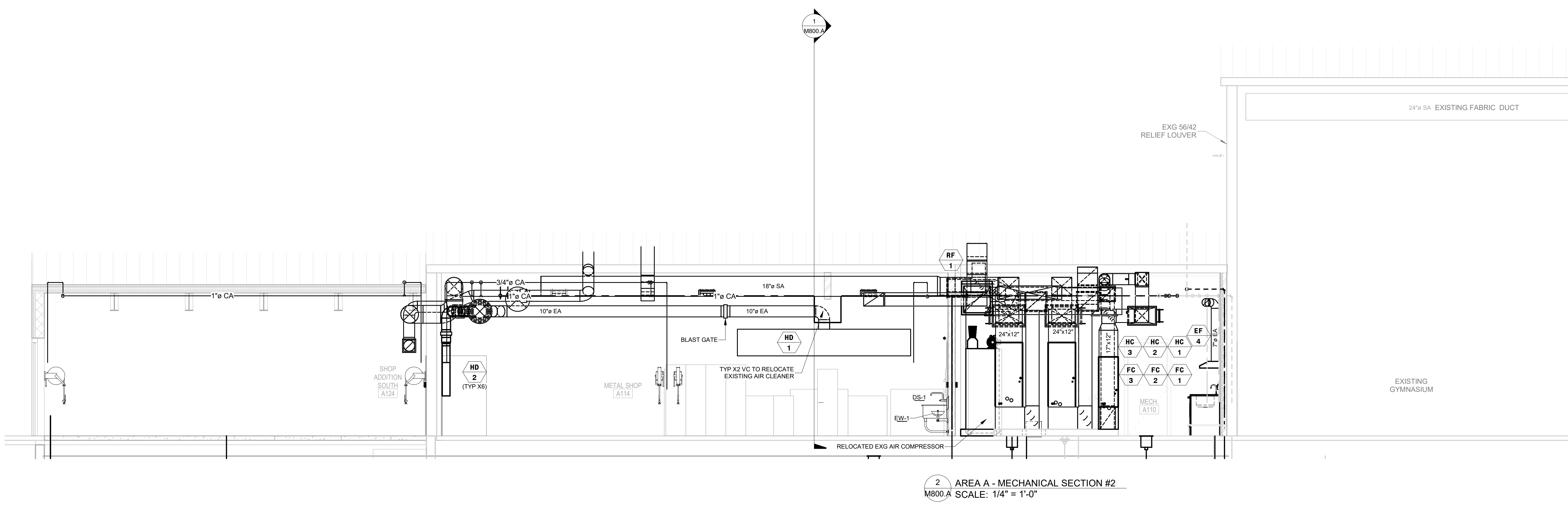
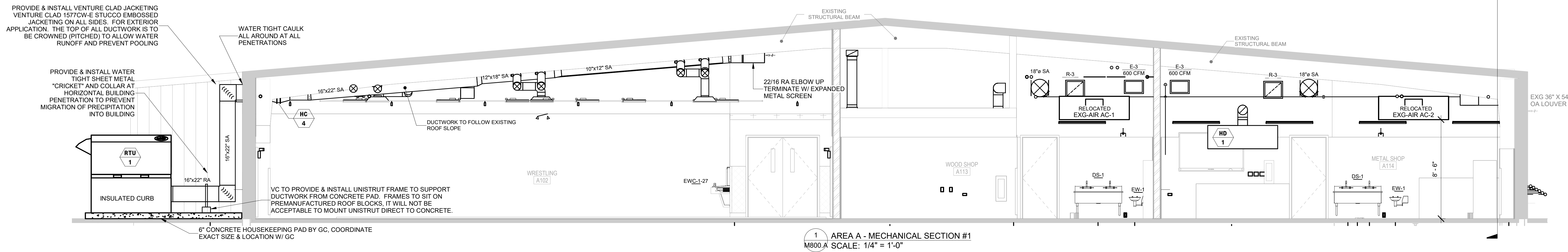
ISSUE:
2/4/25 100% CD'S

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

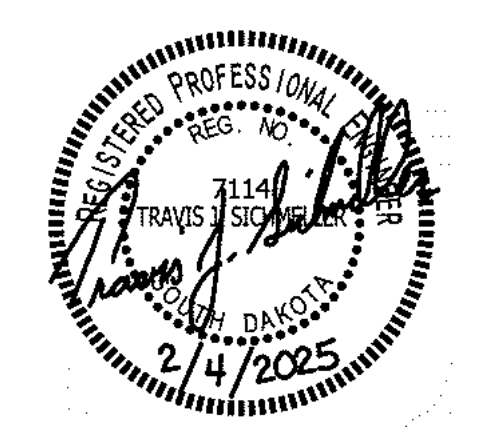
PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
MECHANICAL DETAILS
CONTINUED

M701



SE PROJECT NO: 241000845



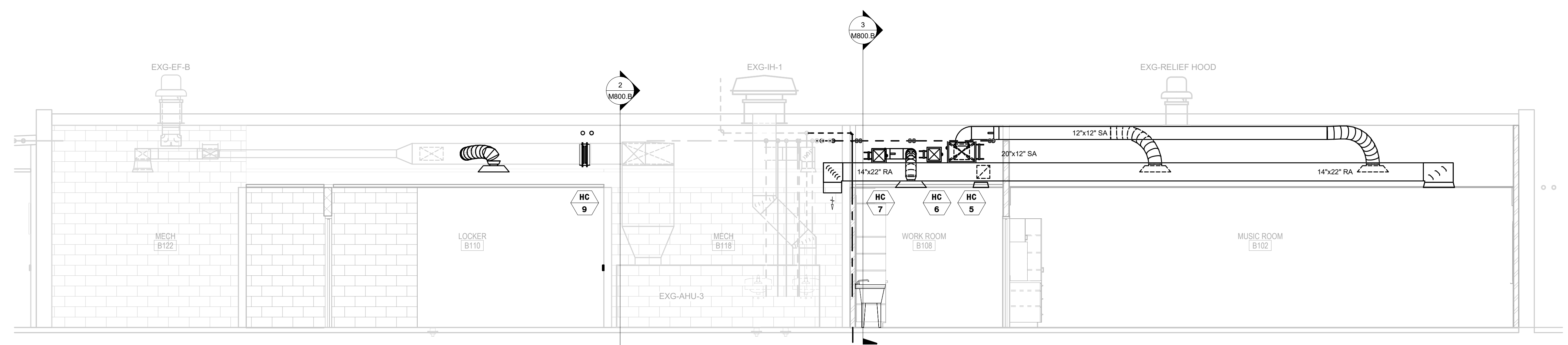
ISSUE:
2/4/25 100% CD'S

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

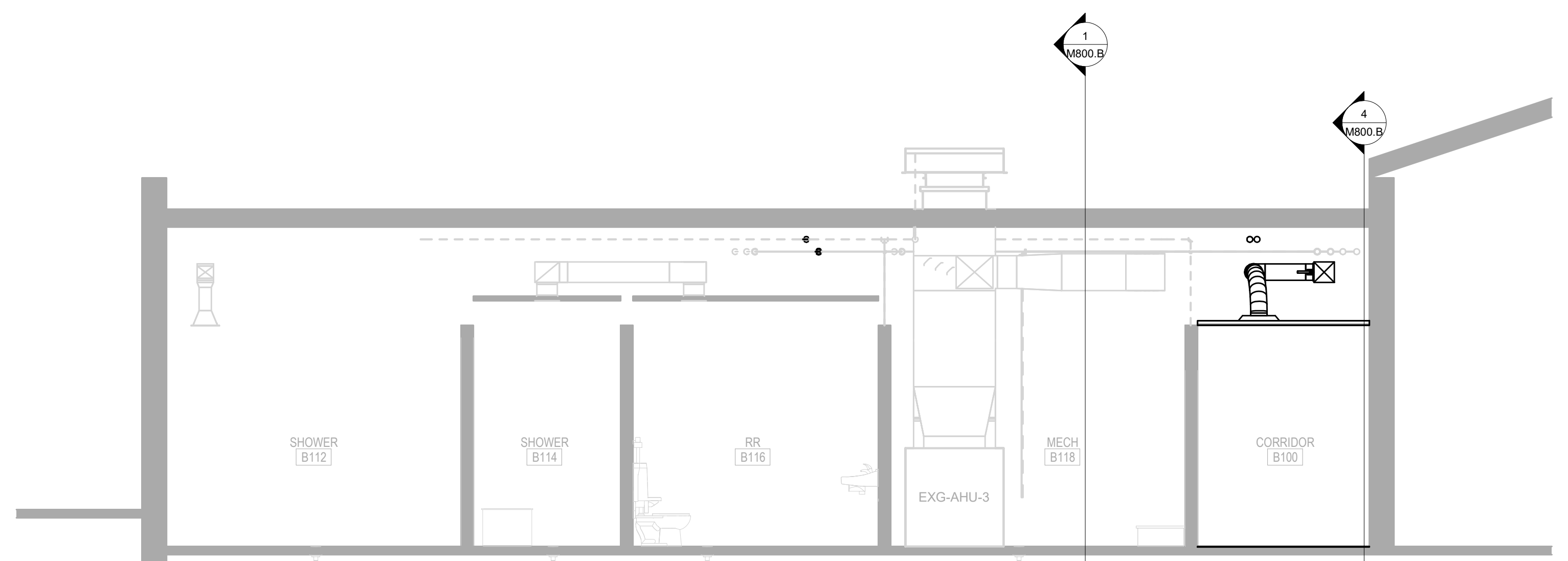
PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
AREA A - MECHANICAL SECTIONS

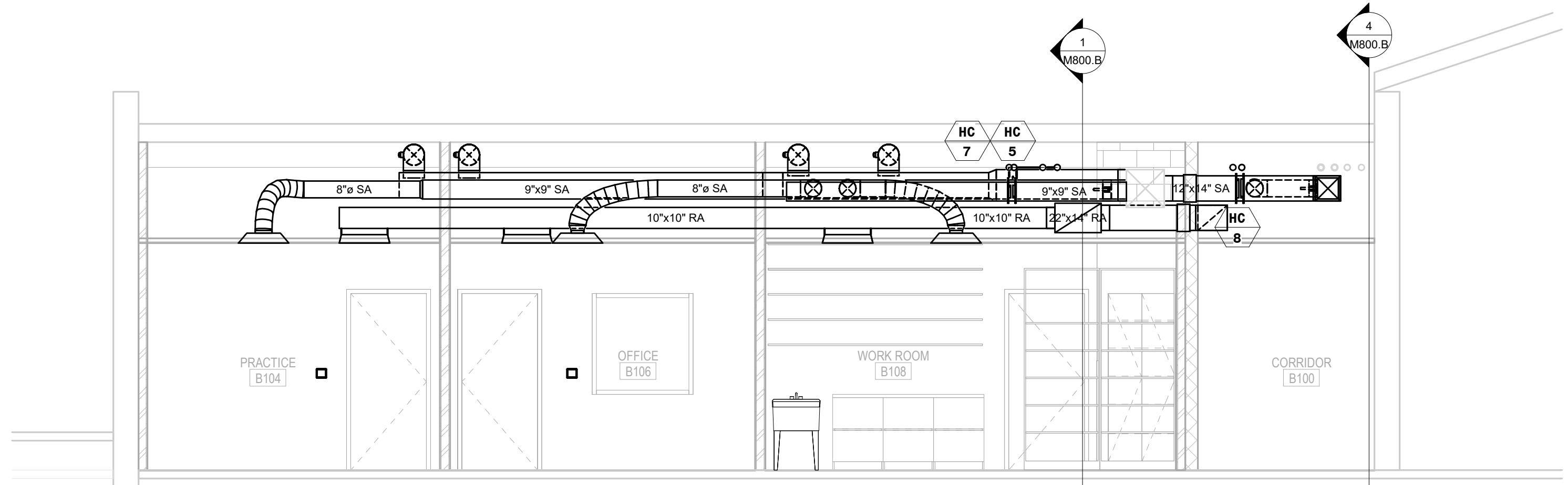
M800.A



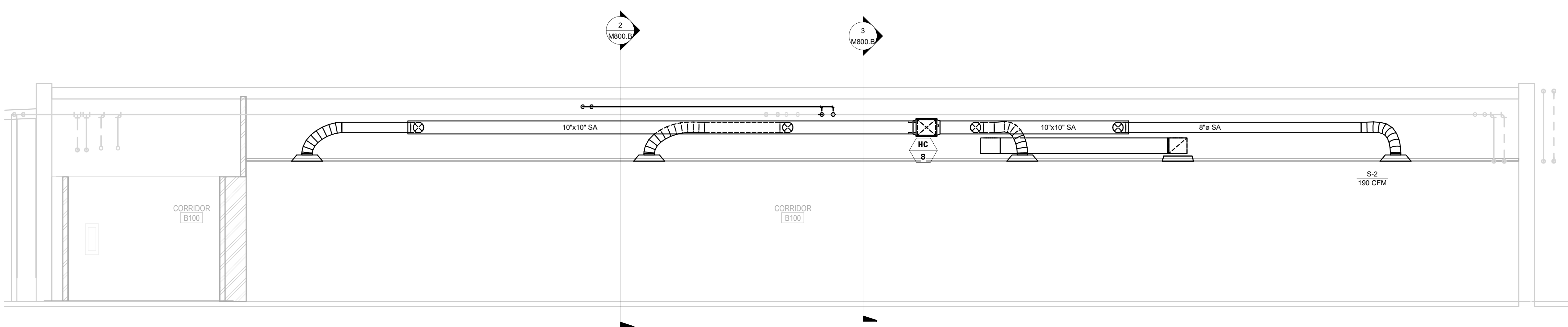
1 AREA B - MECHANICAL SECTION #1
M800.B SCALE: 1/4" = 1'-0"



2 AREA B - MECHANICAL SECTION #2
M800.B SCALE: 1/4" = 1'-0"

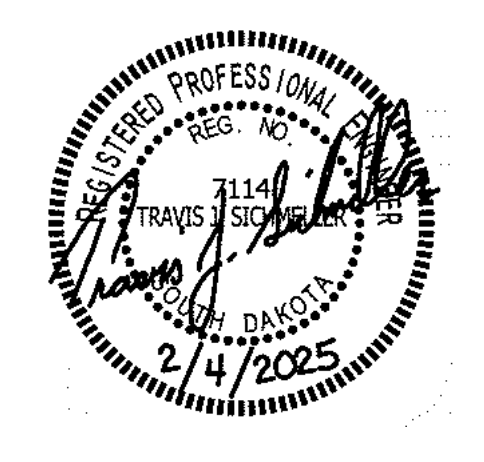


3 AREA B - MECHANICAL SECTION #3
M800.B SCALE: 1/4" = 1'-0"



4 AREA B - MECHANICAL SECTION #4
M800.B SCALE: 1/4" = 1'-0"

SE PROJECT NO: 241000845



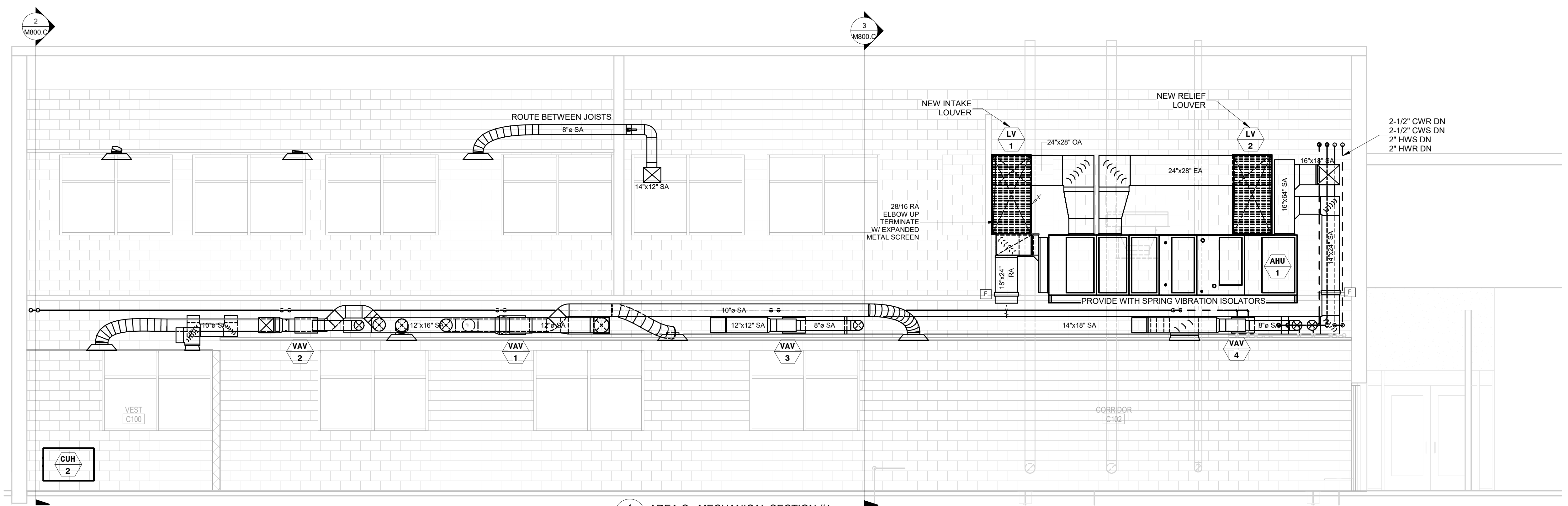
ISSUE:
2/4/25 100% CD'S

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

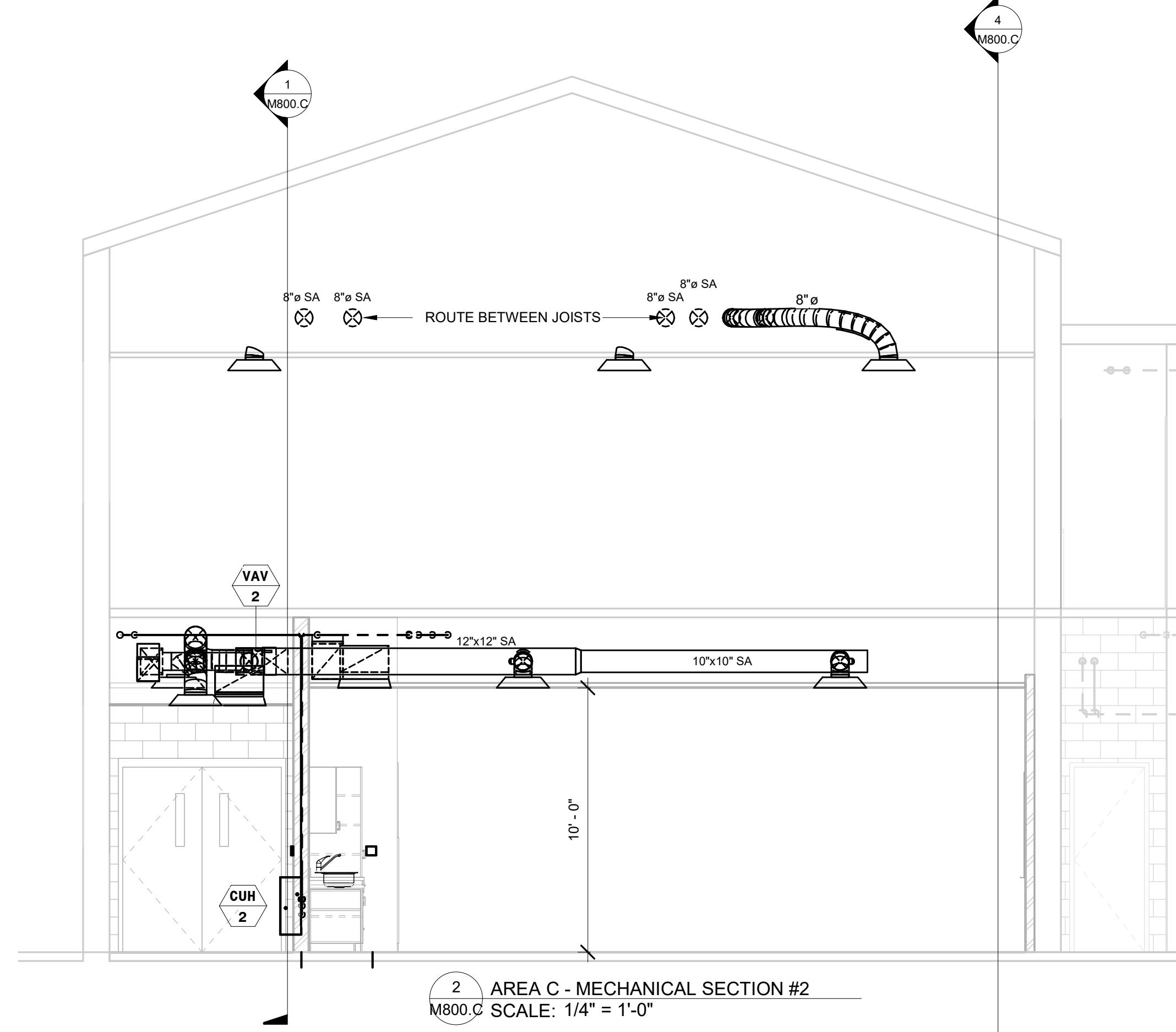
PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
AREA B - MECHANICAL
SECTIONS

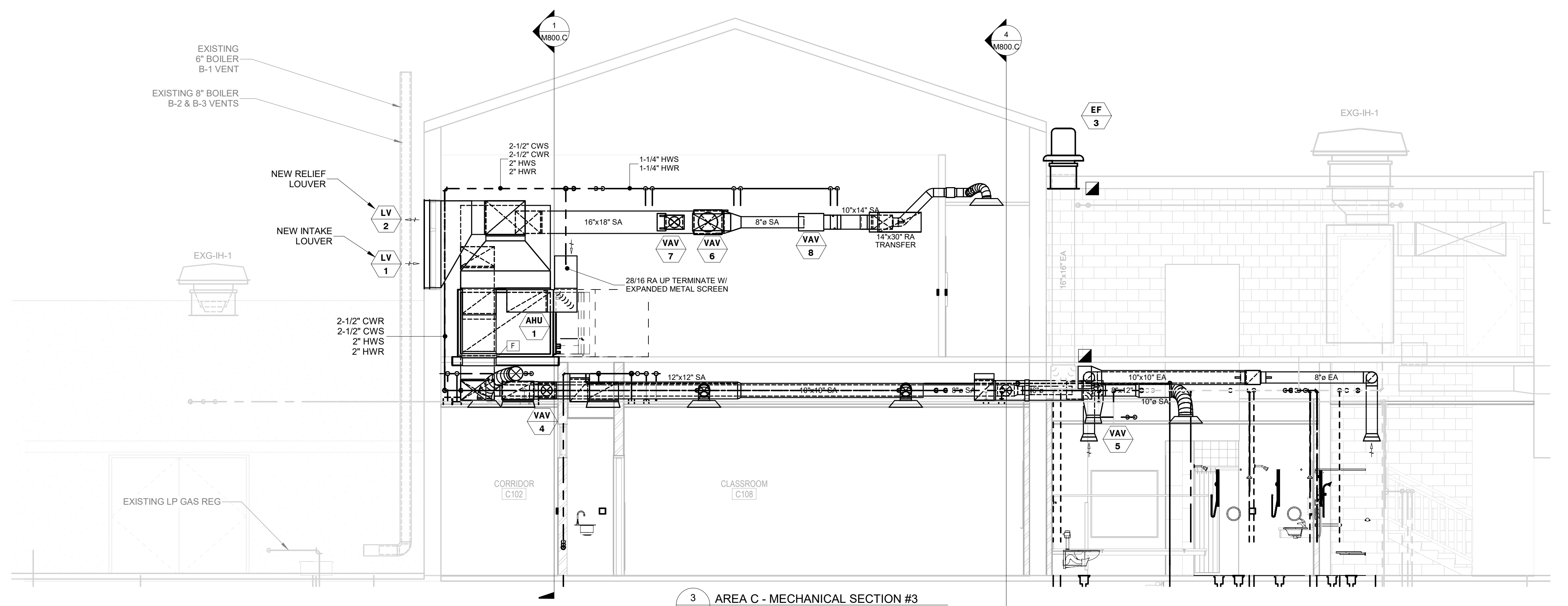
M800.B



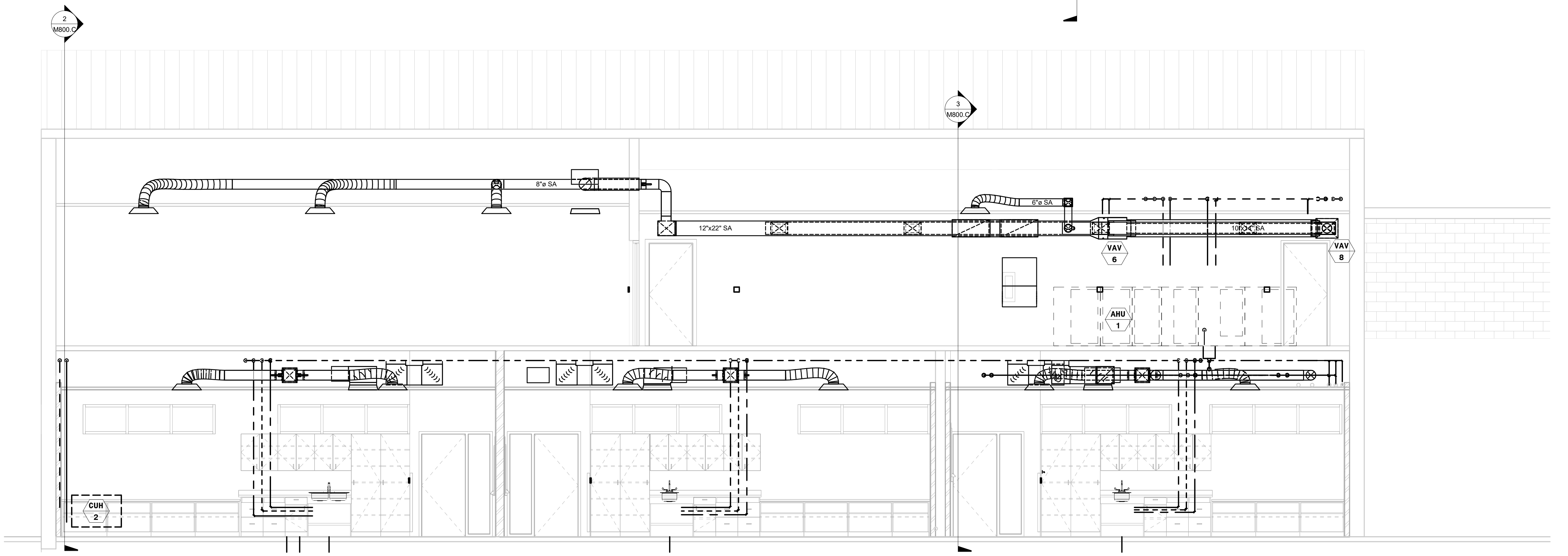
1 AREA C - MECHANICAL SECTION #1
M800.C SCALE: 1/4" = 1'-0"



2 AREA C - MECHANICAL SECTION #2
M800.C SCALE: 1/4" = 1'-0"

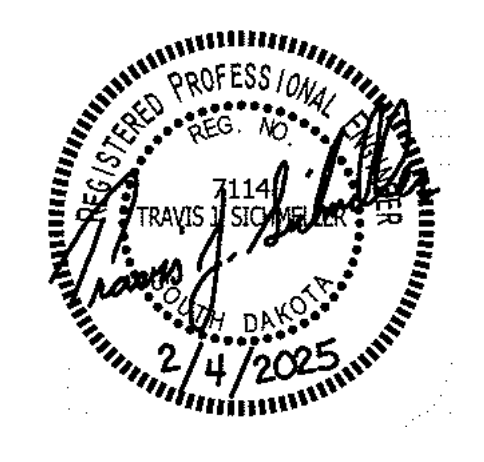


3 AREA C - MECHANICAL SECTION #3
M800.C SCALE: 1/4" = 1'-0"



4 AREA A - MECHANICAL SECTION #4
M800.C SCALE: 1/4" = 1'-0"

SE PROJECT NO: 241000845



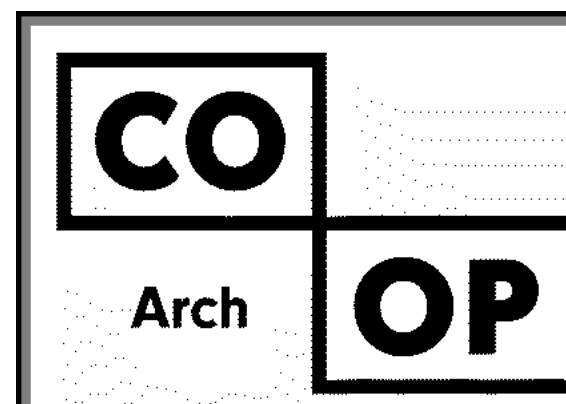
ISSUE:
2/4/25 100% CD'S

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
AREA C - MECHANICAL SECTIONS

M800.C

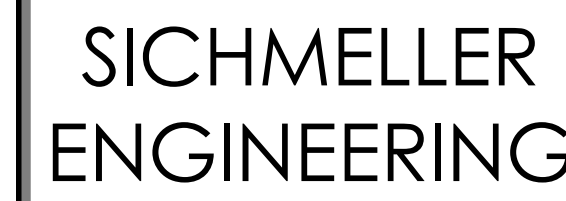


1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

801 Kansas City St. 77
Rapid City, SD 57701
Phone: 605-716-3652

440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

co-oparch.com



Mechanical & Electrical Engineering

801 Railroad Ave. SE
Aberdeen, SD 57401
Phone: 605-225-4344

www.siceng.biz

AHU SCHEDULE table with columns: EQUIP. NO., MANUFACTURER & MODEL, LOCATION, SERVICING, SUPPLY FAN MOTOR, RETURN FAN MOTOR, COOLING COIL CAP., HEATING COIL CAP., UNIT WEIGHT (LBS), NOTES.

PACKAGED COOLING ONLY ROOFTOP UNIT SCHEDULE table with columns: EQUIP. NO., MANUFACTURER & MODEL, LOCATION, SERVICING, SUPPLY FAN MOTOR, DE COOLING, MOTOR, ELECTRICAL, UNIT WEIGHT (LBS), NOTES.

VAV TERMINAL SCHEDULE table with columns: EQUIP. NO., MANUFACTURER & MODEL, SERVICING, INLET SIZE, MAX CFM, MIN CFM, MAX TEMP, HEATING COIL (ENR + 10°F), UNIT WEIGHT (LBS), NOTES.

AIR CLEANER & EXISTING RELOCATED AIR CLEANER SCHEDULE table with columns: EQUIP. NO., MANUFACTURER & MODEL, SERVICING, SUPPLY AIR CFM, OUTSIDE AIR CFM, E.S.P. (IN), T.S.P. (IN), FAN RPM, CAPACITY (CFM), STAGES, EAT (°F), LAT (°F), MOTOR HP, V./PH./CY., FLA, MCA, MSCP, UNIT WEIGHT (LBS), NOTES.

EXHAUST HOOD SCHEDULE table with columns: EQUIP. NO., MANUFACTURER & MODEL, SERVICING, TYPE, EXHAUST AIR CFM, MAKE-UP AIR CFM, POSITIONING AIR CFM, STATIC PRESSURE LOSS (EN, W.G.), EXHAUST AIR CONNECTION (EN, W.G.), LENGTH (LN), WIDTH (LN), HEIGHT (LN), AREA (SQ FT), ACCUM AREA (SQ FT), MATERIAL, FILTERS, LAMPS, NO. OF DUCTS, DUCT INSULATION (ENR), ELECTRICAL, UNIT WEIGHT (LBS), NOTES.

DUST COLLECTOR SCHEDULE table with columns: EQUIP. NO., MANUFACTURER & MODEL, SERVICING, TYPE, EXHAUST AIR CFM, MAKE-UP AIR CFM, POSITIONING AIR CFM, STATIC PRESSURE LOSS (EN, W.G.), EXHAUST AIR CONNECTION (EN, W.G.), LENGTH (LN), WIDTH (LN), HEIGHT (LN), AREA (SQ FT), ACCUM AREA (SQ FT), MATERIAL, FILTERS, LAMPS, NO. OF DUCTS, DUCT INSULATION (ENR), ELECTRICAL, UNIT WEIGHT (LBS), NOTES.

HVAC SHEET METAL DUCTWORK CONSTRUCTION & INSULATION SCHEDULE table with columns: SYSTEM, MAX DIMENSION OF RECTANGULAR DUCTS OR SQUARE DUCTS, GALVANIZED SHEET METAL GAGE NUMBER, PRESSURE RATING, CONSTRUCTION, RETRANSPARENT SUPPLY AIR BEFORE USE, ROUND SUPPLY AIR BEFORE USE, RECTANGULAR SUPPLY AIR AFTER USE, ROUND SUPPLY AIR AFTER USE, RETURN AIR, EXHAUST AIR DUCT (INCLUDING FINE HOOD EXHAUST), EXHAUST AIR DUCT SERVING WOOD SHOP, TRANSFER AIR, PLUMB TO PLUMB THROUGH TRAFFER SLEEVES, OUTSIDE AIR, RELIEF AIR, NOTES.

GRILLE - REGISTER - DIFFUSER SCHEDULE table with columns: EQUIP. NO., MANUFACTURER & MODEL, NOMINAL SIZE, THroat SIZE, MAX CFM, MAX AFD (IN. W.G.), THROW, RC, FRAME, FINISH, NOTES.

AHU SCHEDULE table with columns: EQUIP. NO., MANUFACTURER & MODEL, LOCATION, SERVICING, SUPPLY FAN MOTOR, RETURN FAN MOTOR, COOLING COIL CAP., HEATING COIL CAP., UNIT WEIGHT (LBS), NOTES.

PACKAGED COOLING ONLY ROOFTOP UNIT SCHEDULE table with columns: EQUIP. NO., MANUFACTURER & MODEL, LOCATION, SERVICING, SUPPLY FAN MOTOR, DE COOLING, MOTOR, ELECTRICAL, UNIT WEIGHT (LBS), NOTES.

VAV TERMINAL SCHEDULE table with columns: EQUIP. NO., MANUFACTURER & MODEL, SERVICING, INLET SIZE, MAX CFM, MIN CFM, MAX TEMP, HEATING COIL (ENR + 10°F), UNIT WEIGHT (LBS), NOTES.

AIR CLEANER & EXISTING RELOCATED AIR CLEANER SCHEDULE table with columns: EQUIP. NO., MANUFACTURER & MODEL, SERVICING, SUPPLY AIR CFM, OUTSIDE AIR CFM, E.S.P. (IN), T.S.P. (IN), FAN RPM, CAPACITY (CFM), STAGES, EAT (°F), LAT (°F), MOTOR HP, V./PH./CY., FLA, MCA, MSCP, UNIT WEIGHT (LBS), NOTES.

AHU SCHEDULE table with columns: EQUIP. NO., MANUFACTURER & MODEL, LOCATION, SERVICING, SUPPLY FAN MOTOR, RETURN FAN MOTOR, COOLING COIL CAP., HEATING COIL CAP., UNIT WEIGHT (LBS), NOTES.

PACKAGED COOLING ONLY ROOFTOP UNIT SCHEDULE table with columns: EQUIP. NO., MANUFACTURER & MODEL, LOCATION, SERVICING, SUPPLY FAN MOTOR, DE COOLING, MOTOR, ELECTRICAL, UNIT WEIGHT (LBS), NOTES.

VAV TERMINAL SCHEDULE table with columns: EQUIP. NO., MANUFACTURER & MODEL, SERVICING, INLET SIZE, MAX CFM, MIN CFM, MAX TEMP, HEATING COIL (ENR + 10°F), UNIT WEIGHT (LBS), NOTES.

AIR CLEANER & EXISTING RELOCATED AIR CLEANER SCHEDULE table with columns: EQUIP. NO., MANUFACTURER & MODEL, SERVICING, SUPPLY AIR CFM, OUTSIDE AIR CFM, E.S.P. (IN), T.S.P. (IN), FAN RPM, CAPACITY (CFM), STAGES, EAT (°F), LAT (°F), MOTOR HP, V./PH./CY., FLA, MCA, MSCP, UNIT WEIGHT (LBS), NOTES.

EXHAUST HOOD SCHEDULE table with columns: EQUIP. NO., MANUFACTURER & MODEL, SERVICING, TYPE, EXHAUST AIR CFM, MAKE-UP AIR CFM, POSITIONING AIR CFM, STATIC PRESSURE LOSS (EN, W.G.), EXHAUST AIR CONNECTION (EN, W.G.), LENGTH (LN), WIDTH (LN), HEIGHT (LN), AREA (SQ FT), ACCUM AREA (SQ FT), MATERIAL, FILTERS, LAMPS, NO. OF DUCTS, DUCT INSULATION (ENR), ELECTRICAL, UNIT WEIGHT (LBS), NOTES.

DUST COLLECTOR SCHEDULE table with columns: EQUIP. NO., MANUFACTURER & MODEL, SERVICING, TYPE, EXHAUST AIR CFM, MAKE-UP AIR CFM, POSITIONING AIR CFM, STATIC PRESSURE LOSS (EN, W.G.), EXHAUST AIR CONNECTION (EN, W.G.), LENGTH (LN), WIDTH (LN), HEIGHT (LN), AREA (SQ FT), ACCUM AREA (SQ FT), MATERIAL, FILTERS, LAMPS, NO. OF DUCTS, DUCT INSULATION (ENR), ELECTRICAL, UNIT WEIGHT (LBS), NOTES.

HVAC SHEET METAL DUCTWORK CONSTRUCTION & INSULATION SCHEDULE table with columns: SYSTEM, MAX DIMENSION OF RECTANGULAR DUCTS OR SQUARE DUCTS, GALVANIZED SHEET METAL GAGE NUMBER, PRESSURE RATING, CONSTRUCTION, RETRANSPARENT SUPPLY AIR BEFORE USE, ROUND SUPPLY AIR BEFORE USE, RECTANGULAR SUPPLY AIR AFTER USE, ROUND SUPPLY AIR AFTER USE, RETURN AIR, EXHAUST AIR DUCT (INCLUDING FINE HOOD EXHAUST), EXHAUST AIR DUCT SERVING WOOD SHOP, TRANSFER AIR, PLUMB TO PLUMB THROUGH TRAFFER SLEEVES, OUTSIDE AIR, RELIEF AIR, NOTES.

GRILLE - REGISTER - DIFFUSER SCHEDULE table with columns: EQUIP. NO., MANUFACTURER & MODEL, NOMINAL SIZE, THroat SIZE, MAX CFM, MAX AFD (IN. W.G.), THROW, RC, FRAME, FINISH, NOTES.

AHU SCHEDULE table with columns: EQUIP. NO., MANUFACTURER & MODEL, LOCATION, SERVICING, SUPPLY FAN MOTOR, RETURN FAN MOTOR, COOLING COIL CAP., HEATING COIL CAP., UNIT WEIGHT (LBS), NOTES.

PACKAGED COOLING ONLY ROOFTOP UNIT SCHEDULE table with columns: EQUIP. NO., MANUFACTURER & MODEL, LOCATION, SERVICING, SUPPLY FAN MOTOR, DE COOLING, MOTOR, ELECTRICAL, UNIT WEIGHT (LBS), NOTES.

VAV TERMINAL SCHEDULE table with columns: EQUIP. NO., MANUFACTURER & MODEL, SERVICING, INLET SIZE, MAX CFM, MIN CFM, MAX TEMP, HEATING COIL (ENR + 10°F), UNIT WEIGHT (LBS), NOTES.

AIR CLEANER & EXISTING RELOCATED AIR CLEANER SCHEDULE table with columns: EQUIP. NO., MANUFACTURER & MODEL, SERVICING, SUPPLY AIR CFM, OUTSIDE AIR CFM, E.S.P. (IN), T.S.P. (IN), FAN RPM, CAPACITY (CFM), STAGES, EAT (°F), LAT (°F), MOTOR HP, V./PH./CY., FLA, MCA, MSCP, UNIT WEIGHT (LBS), NOTES.

HOT WATER CABINET UNIT HEATER table with columns: EQUIP. NO., MANUFACTURER & MODEL, LOCATION, CFM, INCH, GPM, LAT, ENIT, LFT, WPD (FT), ELECTRICAL (HP, V./PH./CY., RPR, FLA), ROUNDT SIZE (IN), UNIT WEIGHT (LBS), NOTES.

DOMESTIC & HYDRONIC PIPING MATERIAL & INSULATION SCHEDULE table with columns: SYSTEM, TYPE/MATERIAL, FITTINGS, INSULATION THICKNESS (PIPE SIZE, R/FM SLEEVES, PIPE SIZE), NOTES.

PUMP SCHEDULE table with columns: EQUIP. NO., MANUFACTURER & MODEL, SERVICING, LOCATION, GPM, HEAD (FEET), TYPE, HP (HP), RPR, V./PH./CY., FLA, WEIGHT (LBS), NOTES.

LOUVER SCHEDULE table with columns: EQUIP. NO., MANUFACTURER & MODEL, FUNCTION, SIZE (WxHxD), CFM, S.P. (IN. W.G.), FREE AREA (SQ. FT.), VELOCITY (FPM), INSET SCREEN, NOTES.

FAN SCHEDULE table with columns: EQUIP. NO., MANUFACTURER & MODEL (STYLE), SERVICING, LOCATION, TYPE, CFM, STATIC PRESSURE (ENR), MAX BONES, WATS, HP, FRPM, VOLT./PH./CY., FLA, UNIT WEIGHT (LBS), NOTES.

EXHAUST HOOD SCHEDULE table with columns: EQUIP. NO., MANUFACTURER & MODEL, SERVICING, TYPE, EXHAUST AIR CFM, MAKE-UP AIR CFM, POSITIONING AIR CFM, STATIC PRESSURE LOSS (EN, W.G.), EXHAUST AIR CONNECTION (EN, W.G.), LENGTH (LN), WIDTH (LN), HEIGHT (LN), AREA (SQ FT), ACCUM AREA (SQ FT), MATERIAL, FILTERS, LAMPS, NO. OF DUCTS, DUCT INSULATION (ENR), ELECTRICAL, UNIT WEIGHT (LBS), NOTES.

DUST COLLECTOR SCHEDULE table with columns: EQUIP. NO., MANUFACTURER & MODEL, SERVICING, TYPE, EXHAUST AIR CFM, MAKE-UP AIR CFM, POSITIONING AIR CFM, STATIC PRESSURE LOSS (EN, W.G.), EXHAUST AIR CONNECTION (EN, W.G.), LENGTH (LN), WIDTH (LN), HEIGHT (LN), AREA (SQ FT), ACCUM AREA (SQ FT), MATERIAL, FILTERS, LAMPS, NO. OF DUCTS, DUCT INSULATION (ENR), ELECTRICAL, UNIT WEIGHT (LBS), NOTES.

HVAC SHEET METAL DUCTWORK CONSTRUCTION & INSULATION SCHEDULE table with columns: SYSTEM, MAX DIMENSION OF RECTANGULAR DUCTS OR SQUARE DUCTS, GALVANIZED SHEET METAL GAGE NUMBER, PRESSURE RATING, CONSTRUCTION, RETRANSPARENT SUPPLY AIR BEFORE USE, ROUND SUPPLY AIR BEFORE USE, RECTANGULAR SUPPLY AIR AFTER USE, ROUND SUPPLY AIR AFTER USE, RETURN AIR, EXHAUST AIR DUCT (INCLUDING FINE HOOD EXHAUST), EXHAUST AIR DUCT SERVING WOOD SHOP, TRANSFER AIR, PLUMB TO PLUMB THROUGH TRAFFER SLEEVES, OUTSIDE AIR, RELIEF AIR, NOTES.

GRILLE - REGISTER - DIFFUSER SCHEDULE table with columns: EQUIP. NO., MANUFACTURER & MODEL, NOMINAL SIZE, THroat SIZE, MAX CFM, MAX AFD (IN. W.G.), THROW, RC, FRAME, FINISH, NOTES.

AHU SCHEDULE table with columns: EQUIP. NO., MANUFACTURER & MODEL, LOCATION, SERVICING, SUPPLY FAN MOTOR, RETURN FAN MOTOR, COOLING COIL CAP., HEATING COIL CAP., UNIT WEIGHT (LBS), NOTES.

PACKAGED COOLING ONLY ROOFTOP UNIT SCHEDULE table with columns: EQUIP. NO., MANUFACTURER & MODEL, LOCATION, SERVICING, SUPPLY FAN MOTOR, DE COOLING, MOTOR, ELECTRICAL, UNIT WEIGHT (LBS), NOTES.

VAV TERMINAL SCHEDULE table with columns: EQUIP. NO., MANUFACTURER & MODEL, SERVICING, INLET SIZE, MAX CFM, MIN CFM, MAX TEMP, HEATING COIL (ENR + 10°F), UNIT WEIGHT (LBS), NOTES.

AIR CLEANER & EXISTING RELOCATED AIR CLEANER SCHEDULE table with columns: EQUIP. NO., MANUFACTURER & MODEL, SERVICING, SUPPLY AIR CFM, OUTSIDE AIR CFM, E.S.P. (IN), T.S.P. (IN), FAN RPM, CAPACITY (CFM), STAGES, EAT (°F), LAT (°F), MOTOR HP, V./PH./CY., FLA, MCA, MSCP, UNIT WEIGHT (LBS), NOTES.

SE PROJECT NO: 241000845

ISSUE: 2/4/25 100% CD'S
REVISION SCHEDULE: REV. # REV. DSC. REV. DATE

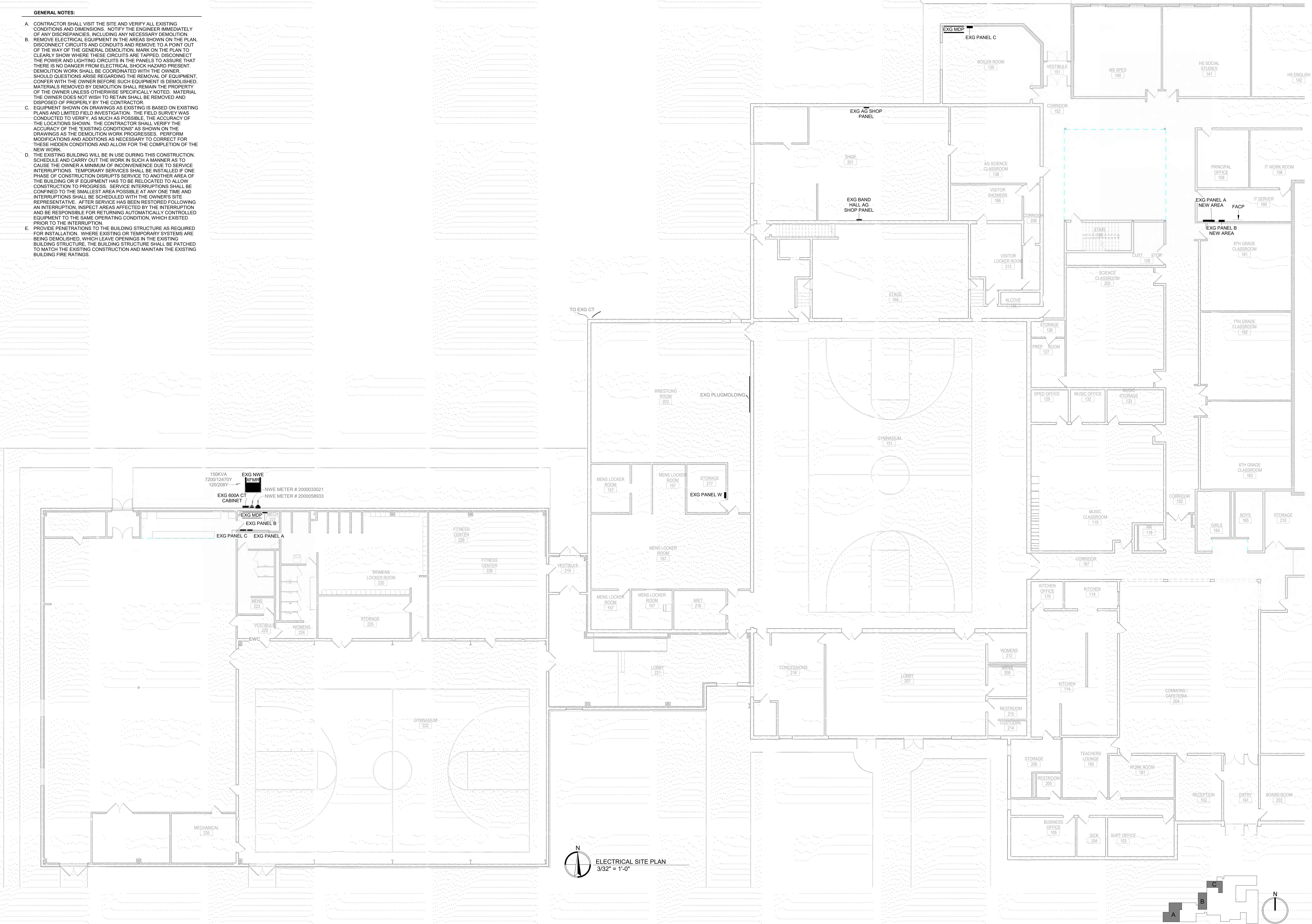
PROJECT: FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
MECHANICAL SCHEDULES

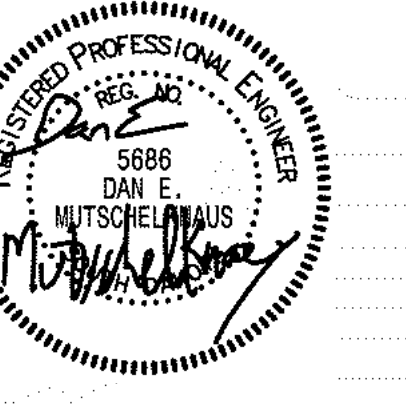
M900

GENERAL NOTES:

- A. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES, INCLUDING ANY NECESSARY DEMOLITION.
- B. REMOVE ELECTRICAL EQUIPMENT IN THE AREAS SHOWN ON THE PLAN. DISCONNECT CIRCUITS AND CONDUITS AND REMOVE TO A POINT OUT OF THE WAY OF THE GENERAL DEMOLITION MARK ON THE PLAN TO CLEARLY SHOW WHERE THESE CIRCUITS ARE TAPPED. DISCONNECT THE POWER AND LIGHTING CIRCUITS IN THE PANELS TO ASSURE THAT THERE IS NO DANGER FROM ELECTRICAL SHOCK HAZARD PRESENT. DEMOLITION WORK SHALL BE COORDINATED WITH THE OWNER. SHOULD QUESTIONS ARISE REGARDING THE REMOVAL OF EQUIPMENT, CONFER WITH THE OWNER BEFORE SUCH EQUIPMENT IS DEMOLISHED. MATERIALS REMOVED BY DEMOLITION SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE SPECIFICALLY NOTED. MATERIAL THE OWNER DOES NOT WISH TO RETAIN SHALL BE REMOVED AND DISPOSED OF PROPERLY BY THE CONTRACTOR.
- C. EQUIPMENT SHOWN ON DRAWINGS AS EXISTING IS BASED ON EXISTING PLANS AND LIMITED FIELD INVESTIGATION. THE FIELD SURVEY WAS CONDUCTED TO VERIFY, AS MUCH AS POSSIBLE, THE ACCURACY OF THE LOCATIONS SHOWN. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THE EXISTING CONDITIONS AS SHOWN ON THE DRAWINGS AS THE DEMOLITION WORK PROGRESSES. PERFORM MODIFICATIONS AND ADDITIONS AS NECESSARY TO CORRECT FOR THESE HIDDEN CONDITIONS AND ALLOW FOR THE COMPLETION OF THE NEW WORK.
- D. THE EXISTING BUILDING WILL BE IN USE DURING THIS CONSTRUCTION. SCHEDULE AND CARRY OUT THE WORK IN SUCH A MANNER AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTIONS. TEMPORARY SERVICES SHALL BE INSTALLED IF ONE PHASE OF CONSTRUCTION DISRUPTS SERVICE TO ANOTHER AREA OF THE BUILDING OR IF EQUIPMENT HAS TO BE RELOCATED TO ALLOW CONSTRUCTION TO PROGRESS. SERVICE INTERRUPTIONS SHALL BE CONFINED TO THE SMALLEST AREA POSSIBLE AT ANY ONE TIME AND INTERRUPTIONS SHALL BE SCHEDULED WITH THE OWNER'S SITE REPRESENTATIVE. AFTER SERVICE HAS BEEN RESTORED FOLLOWING AN INTERRUPTION, INSPECT AREAS AFFECTED BY THE INTERRUPTION AND BE RESPONSIBLE FOR RETURNING AUTOMATICALLY CONTROLLED EQUIPMENT TO THE SAME OPERATING CONDITION, WHICH EXISTED PRIOR TO THE INTERRUPTION.
- E. PROVIDE PENETRATIONS TO THE BUILDING STRUCTURE AS REQUIRED FOR INSTALLATION. WHERE EXISTING OR TEMPORARY SYSTEMS ARE BEING DEMOLISHED, WHICH LEAVES OPENINGS IN THE EXISTING BUILDING STRUCTURE, THE BUILDING STRUCTURE SHALL BE PATCHED TO MATCH THE EXISTING CONSTRUCTION AND MAINTAIN THE EXISTING BUILDING FIRE RATINGS.



SE PROJECT NO: 241000845



ISSUE:
2/4/25 100% CD'S

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
OVERALL ELECTRICAL
DEMOLITION PLAN

GENERAL NOTES:

- A. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES, INCLUDING ANY NECESSARY DEMOLITION.
- B. REMOVE ELECTRICAL EQUIPMENT IN THE AREAS SHOWN ON THE PLAN. DISCONNECT CIRCUITS AND CONDUITS AND REMOVE TO A POINT OUT OF THE WAY OF THE GENERAL DEMOLITION. MARK ON THE PLAN TO CLEARLY SHOW WHERE THESE CIRCUITS ARE TAPPED. DISCONNECT THE POWER AND LIGHTING CIRCUITS IN THE PANELS TO ASSURE THAT THERE IS NO DANGER FROM ELECTRICAL SHOCK HAZARD PRESENT. DEMOLITION WORK SHALL BE COORDINATED WITH THE OWNER. SHOULD QUESTIONS ARISE REGARDING THE REMOVAL OF EQUIPMENT, CONFER WITH THE OWNER BEFORE SUCH EQUIPMENT IS DEMOLISHED. MATERIALS REMOVED BY DEMOLITION SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE SPECIFICALLY NOTED. MATERIAL THE OWNER DOES NOT WISH TO RETAIN SHALL BE REMOVED AND DISPOSED OF PROPERLY BY THE CONTRACTOR.
- C. EQUIPMENT SHOWN ON DRAWINGS AS EXISTING IS BASED ON EXISTING PLANS AND LIMITED FIELD INVESTIGATION. THE FIELD SURVEY WAS CONDUCTED TO VERIFY, AS MUCH AS POSSIBLE, THE ACCURACY OF THE LOCATIONS SHOWN. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THE "EXISTING CONDITIONS" AS SHOWN ON THE DRAWINGS AS THE DEMOLITION WORK PROGRESSES. PERFORM MODIFICATIONS AND ADDITIONS AS NECESSARY TO CORRECT FOR THESE HIDDEN CONDITIONS AND ALLOW FOR THE COMPLETION OF THE NEW WORK.
- D. THE EXISTING BUILDING WILL BE IN USE DURING THIS CONSTRUCTION. SCHEDULE AND CARRY OUT THE WORK IN SUCH A MANNER AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTIONS. TEMPORARY SERVICES SHALL BE INSTALLED IF ONE PHASE OF CONSTRUCTION DISRUPTS SERVICE TO ANOTHER AREA OF THE BUILDING OR IF EQUIPMENT HAS TO BE RELOCATED TO ALLOW CONSTRUCTION TO PROGRESS. SERVICE INTERRUPTIONS SHALL BE CONFINED TO THE SMALLEST AREA POSSIBLE AT ANY ONE TIME AND INTERRUPTIONS SHALL BE SCHEDULED WITH THE OWNER'S SITE REPRESENTATIVE. AFTER SERVICE HAS BEEN RESTORED FOLLOWING AN INTERRUPTION, INSPECT AREAS AFFECTED BY THE INTERRUPTION AND BE RESPONSIBLE FOR RETURNING AUTOMATICALLY CONTROLLED EQUIPMENT TO THE SAME OPERATING CONDITION WHICH EXISTED PRIOR TO THE INTERRUPTION.
- E. PROVIDE PENETRATIONS TO THE BUILDING STRUCTURE AS REQUIRED FOR INSTALLATION. WHERE EXISTING OR TEMPORARY SYSTEMS ARE BEING DEMOLISHED, WHICH LEAVE OPENINGS IN THE EXISTING BUILDING STRUCTURE, THE BUILDING STRUCTURE SHALL BE PATCHED TO MATCH THE EXISTING CONSTRUCTION AND MAINTAIN THE EXISTING BUILDING FIRE RATINGS.

DEMOLITION KEYNOTES:

1. DEMO EXG CITY NWE METER # 2000058933 FEEDING POWER TO PANEL A. NWE METER # 2000033021 WILL REMAIN TO SERVE THIS AREA.
2. DEMO EXG 600A CT CABINET SERVING THIS AREA.

SPECIAL OUTLET

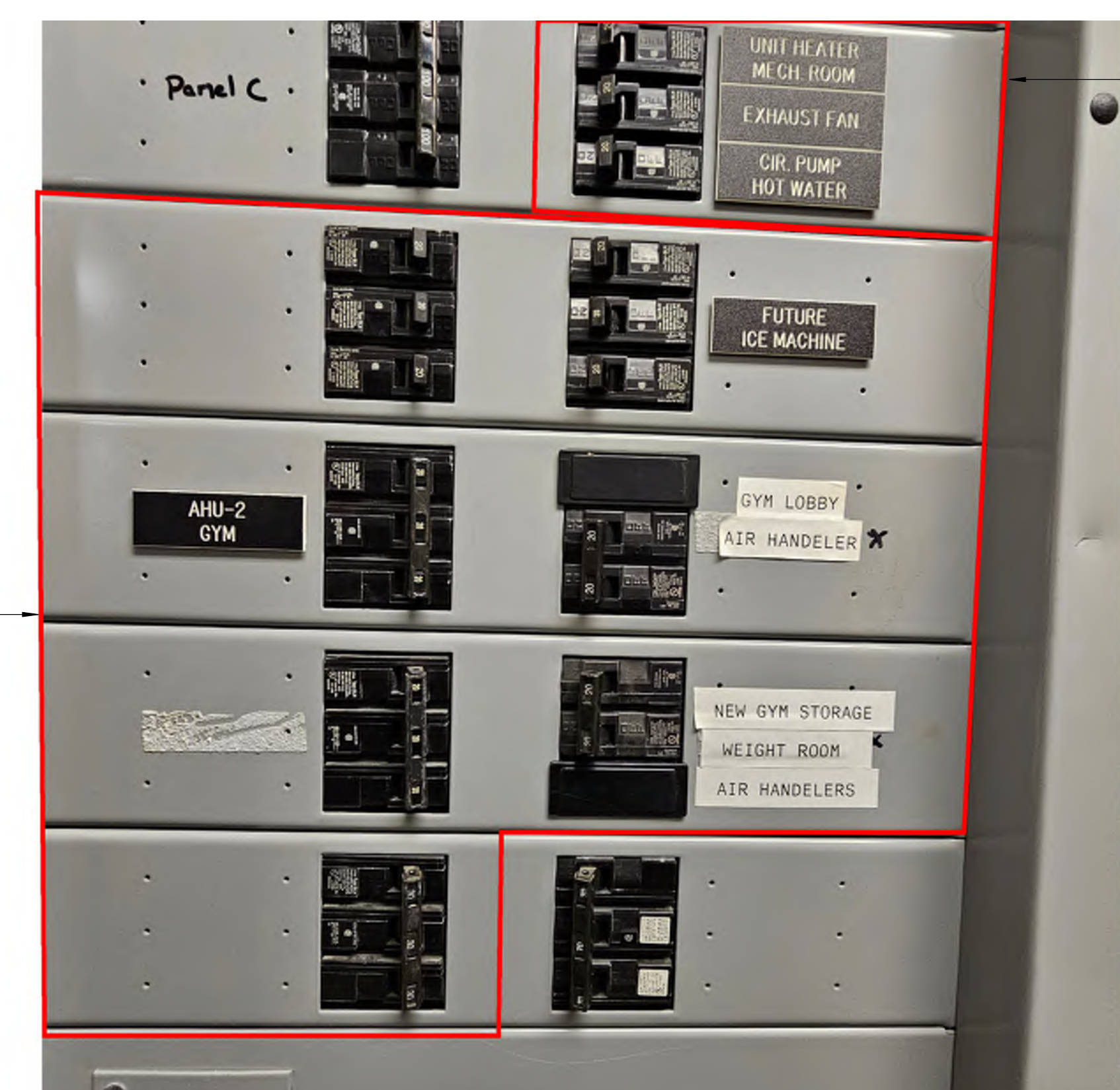
1. 208V, 50A WELDER OUTLET. VERIFY WITH OWNER'S EQUIPMENT BEFORE INSTALLING.
2. PROVIDE AND INSTALL A CORD DROP WITH STRAIN RELIEF - HUBBELL MODEL HBL3000 OR APPROVED EQUAL. INSTALL 5' AFF.
3. EXG TABLE SAW - 250V NEMA 6-15P PLUG TYPE. INSTALL NEW RECEPTACLE FOR RELOCATION OF EXG TABLE SAW - 250V NEMA 6-15R RECEPTACLE.
4. PROVIDE POWER RECEPTACLE FOR PLASMA TABLE POWER (MATCH EXISTING) AND PLASMA COMPUTER POWER. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS WITH OWNER.
5. EC CONNECT OVERHEAD DOOR SAFETY SWITCHES, THE SAFETY SWITCHES & PUSH BUTTONS ARE PROVIDED BY OVERHEAD DOOR SUPPLIER. SAFETY SWITCHES REQUIRE WIRING TO BOTH SIDES OF DOOR. PROVIDE BOXES AND CONDUIT TO CONCEAL WIRING.
6. OVERHEAD DOOR OPERATOR - 120V, 20A. VERIFY CIRCUIT REQUIREMENTS BEFORE INSTALLATION. PROVIDE DISCONNECTION MEANS.
7. 250V, 50A 4 WIRE FOR RANGE - NEMA 1450R

ELECTRICAL KEYNOTES:

1. WELDING SIMULATOR WITH SINGLE 115V CORD DROP RECEPTACLE. INSTALL WITH 10A TIME DELAY FUSED DISCONNECT.
2. COORDINATE EXACT LOCATION OF RECEPTACLES WITH OWNERS EXG WALL MATS TO BE RE-USED.
3. WITH ADD ALTERNATE PROVIDE PROVISIONS FOR FUTURE GREENHOUSE POWER. INSTALL A 2" CONDUIT BELOW GRADE STUBBED OUTSIDE AND THROUGH FLOOR INSIDE FOR FUTURE POWER FEED TO BE FED UNDERGROUND FROM PANEL E.
4. INSTALL SUB FEED LUGS IN EXG PANEL A TO SERVE NEW PANEL A1.
5. NOT USED
6. RELOCATE 9 - EXG SINGLE POLE CIRCUITS FROM EXG MDP TO EXG PANEL A TO MAKE SPACE AVAILABLE FOR A 60A 3PH BREAKER FOR RTU-1. REWORK AND EXTEND WIRE TO EXG PANEL A AS REQUIRED. PROVIDE SIEMENS BREAKERS.
7. PROVIDE EMERGENCY PUSHBUTTONS WIRED IN SERIES FOR CONTROL OF SHOP EQUIPMENT. PROVIDE CONNECTION TO 200A SHUNT-TRIP MAIN CIRCUIT BREAKER IN PANEL A1.
8. INSTALL NEW 800A WALL MOUNT CT CABINET (AMP CT#8-4L CAB CT 800A 3PH 41W 800V ALUM BUS 3R ENCLOSURE OR EQUAL). REWORK CONDUITS AND CONDUCTORS AS NECESSARY. RE-USE/EXTEND CONDUCTORS FEEDING EXG PANEL A AS NECESSARY. INSTALL 4-500MCM CU IN 3-1/2" (2 SETS).
9. INSTALL SINGLE POLE DOUBLE THROW MOTOR RATED SWITCH.
10. INSTALL COMBINATION STARTER DISCONNECT FOR TC PROVIDED N02CO SENSOR AND SIGNAL BACK TO COMBINATION STARTER DISCONNECT FOR EF-5 & SF-1.
11. TYPICAL: ALL DATA CABLING IN THIS AREA ROUTED TO EXG PATCH PANEL ROOM B122. SEE SHEET E300.B FOR FINAL ROUTING.
12. TYPICAL: SB(SMARTBOARD) LOCATION INSTALL 1 - 1" CONDUIT STUBBED INTO CEILING. EACH SB LOCATION WILL HAVE 1 - QUAD DUPLEX, 3 - CAT 6 CABLES, 1 - AUDIO CABLE FOR AUDIO ENHANCEMENT SYSTEM. INSTALL @ 72" TO UPPER LEFT OF GC PROVIDED BACKING. COORDINATE WITH GC FOR BACKING LOCATIONS. SMARTBOARD PROVIDED BY OWNER.
13. INSTALL LIGHTED PILOT SWITCH OUTSIDE OF PAINT ROOM A112. CONNECT SWITCHED POWER TO EF-2. CONNECT POWER TO LINE VOLTAGE DAMPER PROVIDED BY VC. COORDINATE WITH VC.
14. TYPICAL: 2 HOUR FIRE WALL INSTALL 3M FIRE BARRIER INSERT "EBI-4" FOR 4X4 JUNCTION BOX AND "EBI-5" FOR 4 1/16" JUNCTION BOX OR APPROVED EQUAL. SEE G001 CODE AND ORDINATION PLAN.
15. CONNECT POWER TO LINE VOLTAGE DAMPER PROVIDED BY VC. COORDINATE WITH TC & VC FOR RF-1 TO BE CONTROLLED BY BAS. PROVIDE/CONTACTOR AS REQUIRED.
16. PROVIDE 30A 3PH CIRCUIT TO POWER DC-1 TO CONTROL PANEL PROVIDED BY VC. INSTALL POWER FROM CONTROL PANEL TO DISCONNECT OUTSIDE BY DC-1. INSTALL CONTROL POWER FOR DAMPER OUTSIDE BACK TO CONTROL PANEL. COORDINATE EXACT LOCATION OF CONTROL PANEL WITH OWNER.
17. PROVIDE 100A 3PH CIRCUIT TO POWER DC-2 FROM EXG MDP TO CONTROL PANEL. PROVIDED BY VC. INSTALL POWER FROM CONTROL PANEL TO DISCONNECT OUTSIDE BY DC-1. COORDINATE EXACT LOCATION OF CONTROL PANEL WITH OWNER.
18. TYPICAL: COORDINATE WELDING AND CONTINENCE RECEPTACLE MOUNTING HEIGHTS WITH OWNER FURNISHED WELDING STATIONS.
19. TYPICAL: LEGRAND UNDERCOUNTER PLUS MOLD - BK20GB509TRUAC. MOUNT DIRECTLY TO BOTTOM SIDE OF COUNTER AND VERIFY COUNTER THICKNESS FOR FASTENER LENGTH. PROVIDE ALL NECESSARY FITTINGS FOR A COMPLETE INSTALLATION.

DATA KEYNOTES:

1. 1 - CAT 6 CABLE WITH 15' SERVICE LOOP
 2. 2 - CAT 6 CABLES WITH 15' SERVICE LOOP
 3. 3 - CAT 6 CABLES WITH 15' SERVICE LOOP
 4. 1 - CAT 6a CABLE WITH 15' SERVICE LOOP
- CEILING DATA KEYNOTES:**
1. 1 - CAT 6a CABLE WITH 15' SERVICE LOOP
 2. 2 - CAT 6 CABLES WITH 15' SERVICE LOOP



CO Arch OP

1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

601 Kansas City St. 7
Rapid City, SD 57701
Phone: 605-716-3652

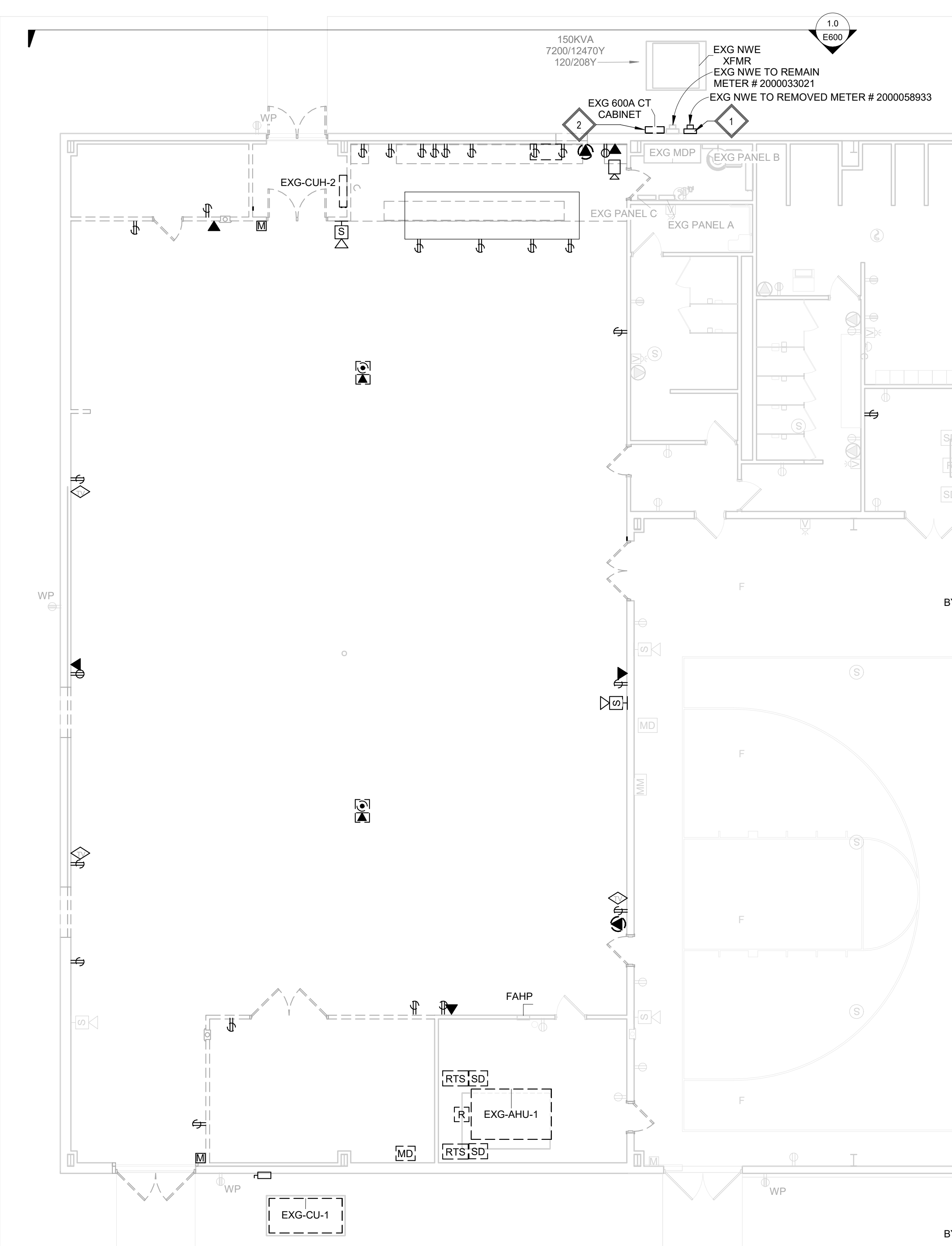
440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

co-oparch.com

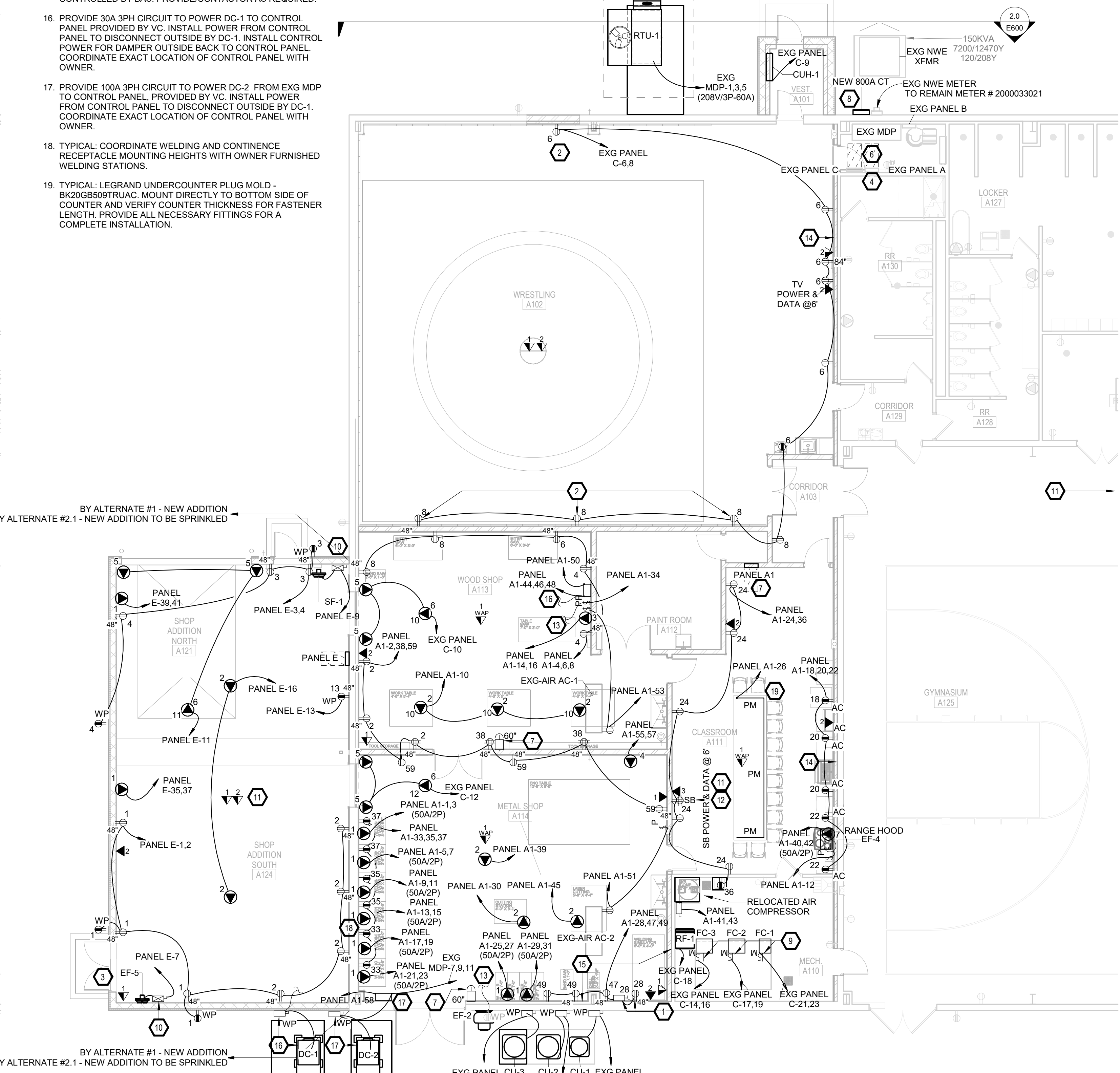
PDE

Professional Design Engineers

48371 265th Street
Brandon, SD 57005
(605)582-5717 (605)941-3337

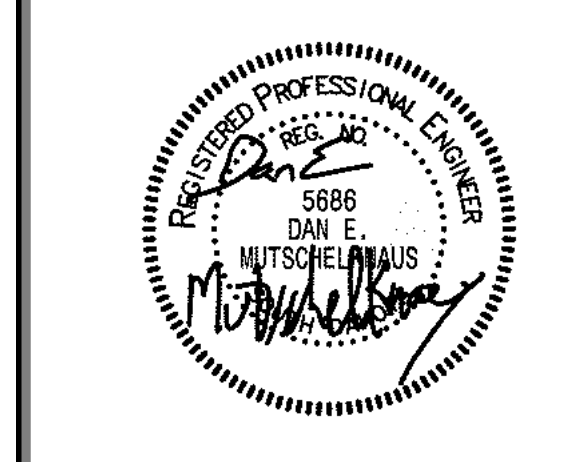


AREA A - POWER & DATA DEMOLITION PLAN EXG WELLNESS
1/8" = 1'-0"



AREA A - WRESTLING & SHOP POWER & DATA PLAN
1/8" = 1'-0"

SE PROJECT NO: 241000845



ISSUE:
2/4/25 100% CD'S

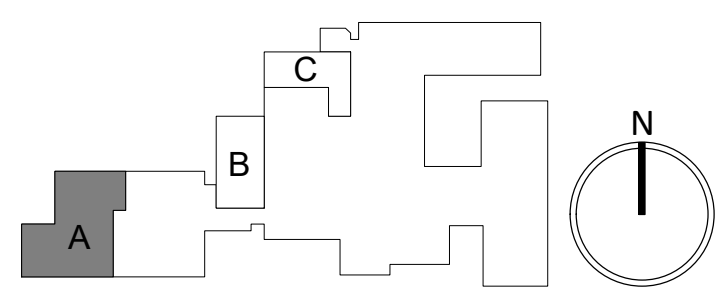
REVISION SCHEDULE:

REV. #	REV. DSC.	REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
DEMO & PROPOSED - AREA A -
POWER & DATA PLAN

E300.A



GENERAL NOTES:

- CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES, INCLUDING ANY NECESSARY DEMOLITION.
- REMOVE ELECTRICAL EQUIPMENT IN THE AREAS SHOWN ON THE PLAN, DISCONNECT CIRCUITS AND CONDUITS AND REMOVE TO A POINT OUT OF THE WAY OF THE GENERAL DEMOLITION. MARK ON THE PLAN TO CLEARLY SHOW WHERE THESE CIRCUITS ARE TAPPED. DISCONNECT THE POWER AND LIGHTING CIRCUITS IN THE PANELS TO ASSURE THAT THERE IS NO DANGER FROM ELECTRICAL SHOCK HAZARD PRESENT. DEMOLITION WORK SHALL BE COORDINATED WITH THE OWNER. SHOULD QUESTIONS ARISE REGARDING THE REMOVAL OF EQUIPMENT, CONFER WITH THE OWNER BEFORE SUCH EQUIPMENT IS DEMOLISHED. MATERIALS REMOVED BY DEMOLITION SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE SPECIFICALLY NOTED. MATERIAL THE OWNER DOES NOT WISH TO RETAIN SHALL BE REMOVED AND DISPOSED OF PROPERLY BY THE CONTRACTOR.
- EQUIPMENT SHOWN ON DRAWINGS AS EXISTING IS BASED ON EXISTING PLANS AND LIMITED FIELD INVESTIGATION. THE FIELD SURVEY WAS CONDUCTED TO VERIFY, AS MUCH AS POSSIBLE, THE ACCURACY OF THE LOCATIONS SHOWN. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THE "EXISTING CONDITIONS" AS SHOWN ON THE DRAWINGS AS THE DEMOLITION WORK PROGRESSES. PERFORM MODIFICATIONS AND ADDITIONS AS NECESSARY TO CORRECT FOR THESE HIDDEN CONDITIONS AND ALLOW FOR THE COMPLETION OF THE NEW WORK.
- THE EXISTING BUILDING WILL BE IN USE DURING THIS CONSTRUCTION. SCHEDULE AND CARRY OUT THE WORK IN SUCH A MANNER AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTIONS. TEMPORARY SERVICES SHALL BE INSTALLED IF ONE PHASE OF CONSTRUCTION DISRUPTS SERVICE TO ANOTHER AREA OF THE BUILDING OR IF EQUIPMENT HAS TO BE RELOCATED TO ALLOW CONSTRUCTION TO PROGRESS. SERVICE INTERRUPTIONS SHALL BE CONFINED TO THE SMALLEST AREA POSSIBLE AT ANY ONE TIME AND INTERRUPTIONS SHALL BE SCHEDULED WITH THE OWNER'S SITE REPRESENTATIVE. AFTER SERVICE HAS BEEN RESTORED FOLLOWING AN INTERRUPTION, INSPECT AREAS AFFECTED BY THE INTERRUPTION AND BE RESPONSIBLE FOR RETURNING AUTOMATICALLY CONTROLLED EQUIPMENT TO THE SAME OPERATING CONDITION WHICH EXISTED PRIOR TO THE INTERRUPTION.
- PROVIDE PENETRATIONS TO THE BUILDING STRUCTURE AS REQUIRED FOR INSTALLATION. WHERE EXISTING OR TEMPORARY SYSTEMS ARE BEING DEMOLISHED, WHICH LEAVE OPENINGS IN THE EXISTING BUILDING STRUCTURE, THE BUILDING STRUCTURE SHALL BE PATCHED TO MATCH THE EXISTING CONSTRUCTION AND MAINTAIN THE EXISTING BUILDING FIRE RATINGS.

DEMOLITION KEYNOTES:

- TYPICAL WALL PATCHING - GC SHALL BE RESPONSIBLE TO PATCH EXG BRICK AFTER DEMO OF PLUGMOLDING. EC TO COORDINATE WITH GC.
- EC TO DEMO LINE VOLTAGE CONTROLS FOR "EF-A AND EF-B" FOR BAS TO TAKE OVER. SEE PROPOSED. COORDINATE WITH VC.

ELECTRICAL KEYNOTES:

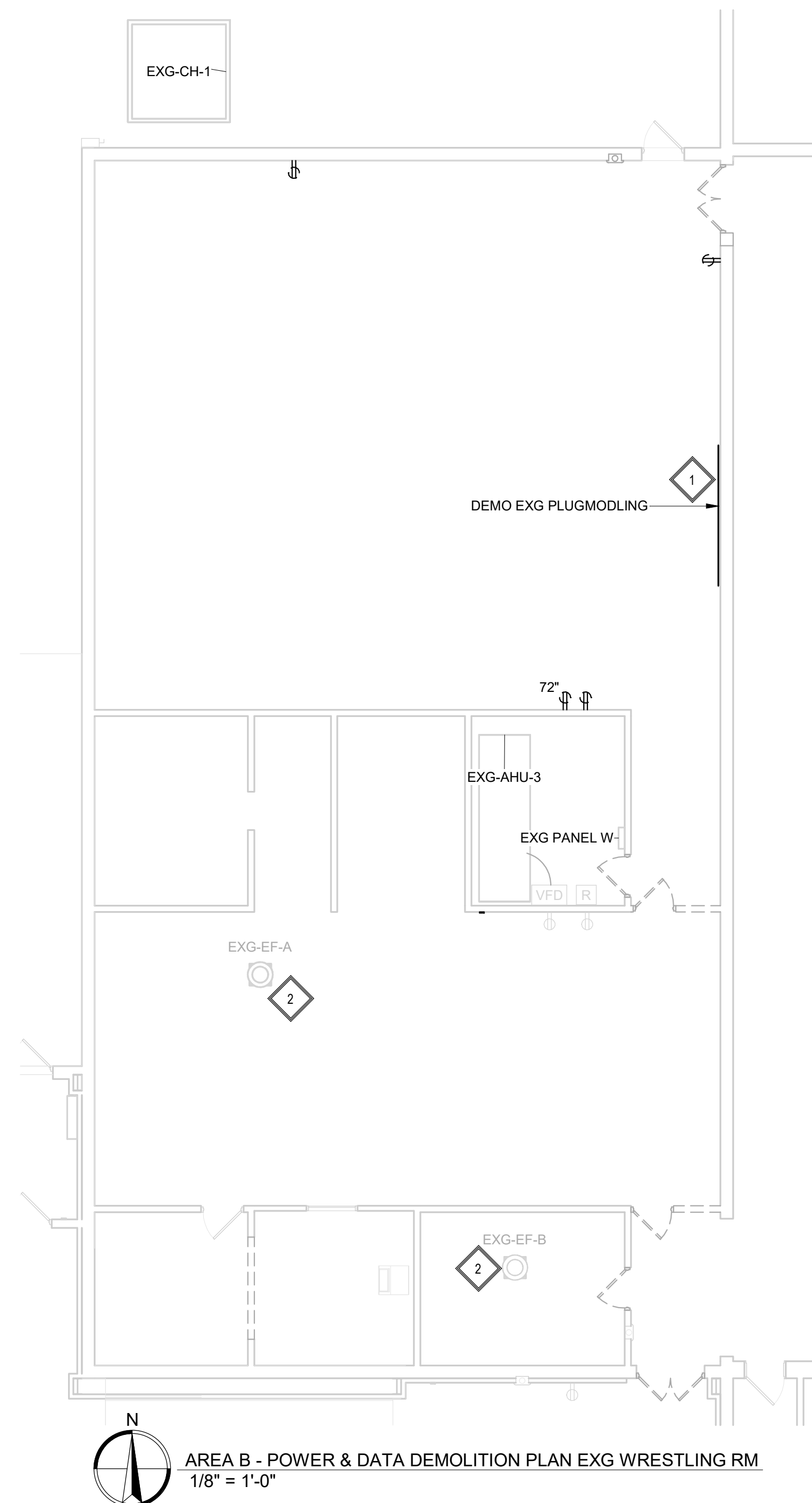
- TYPICAL. ALL DATA CABLING IN THIS AREA ROUTED TO EXG PATCH PANEL IN ROOM B122.
- TYPICAL. SB(SMARTBOARD) LOCATION INSTALL 1 - 1" CONDUIT STUBBED INTO CEILING. EACH SB LOCATION WILL HAVE 1 - QUAD DUPLEX, 3 - CAT 6 CABLES, 1 - AUDIO CABLE FOR AUDIO ENHANCEMENT SYSTEM. INSTALL @ 72" TO LEFT OF GC PROVIDED BACKING. COORDINATE WITH GC FOR BACKING LOCATIONS. SMARTBOARD PROVIDED BY OWNER.
- INSTALL JUNCTION BOXES FOR BAS TO CONTROL EXG EF-A AND EF-B. COORDINATE WITH TC.

DATA KEYNOTES:

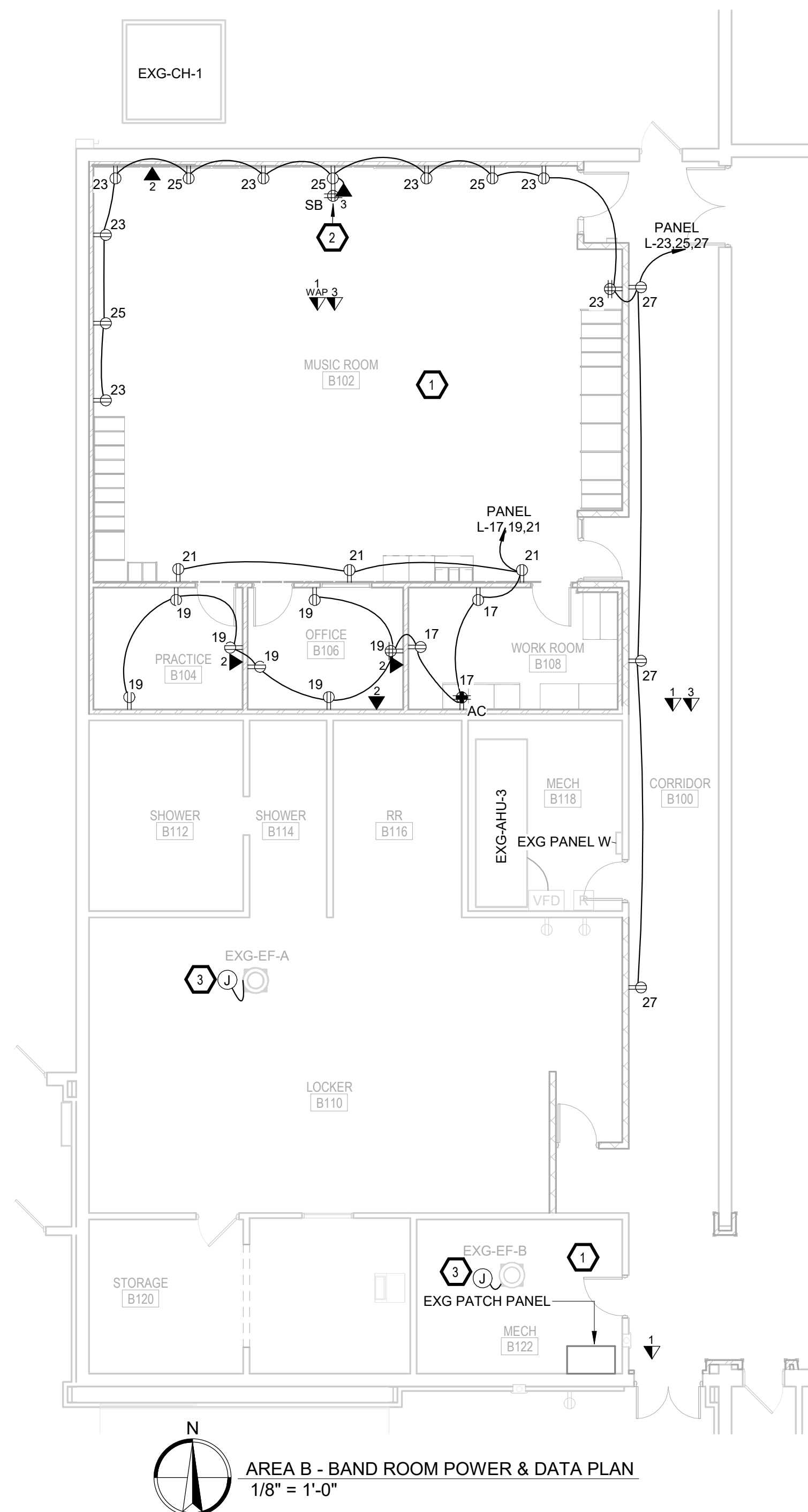
- 1 - CAT 6 CABLE WITH 15' SERVICE LOOP
- 2 - CAT 6 CABLES WITH 15' SERVICE LOOP
- 3 - CAT 6 CABLES WITH 15' SERVICE LOOP
- 1 - CAT 6a CABLE WITH 15' SERVICE LOOP

CEILING DATA KEYNOTES:

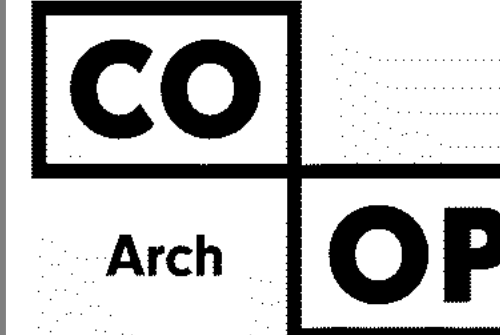
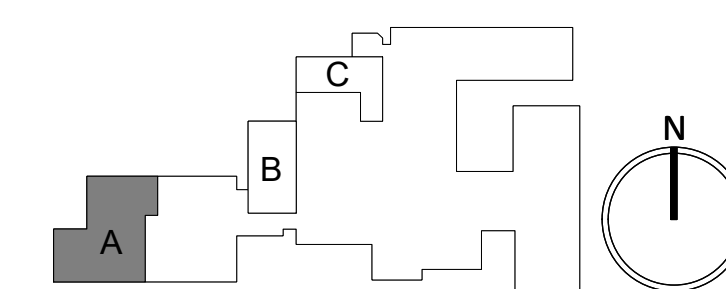
- 1 - CAT 6a CABLE WITH 15' SERVICE LOOP
- 2 - CAT 6 CABLES WITH 15' SERVICE LOOP
- 2 - CAT 6 CABLES WITH 15' SERVICE LOOP



AREA B - POWER & DATA DEMOLITION PLAN EXG WRESTLING RM
1/8" = 1'-0"



AREA B - BAND ROOM POWER & DATA PLAN
1/8" = 1'-0"

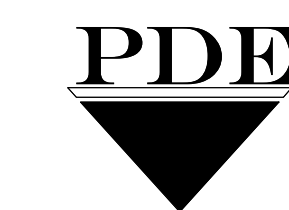


1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

601 Kansas City St. 7
Rapid City, SD 57701
Phone: 605-716-3652

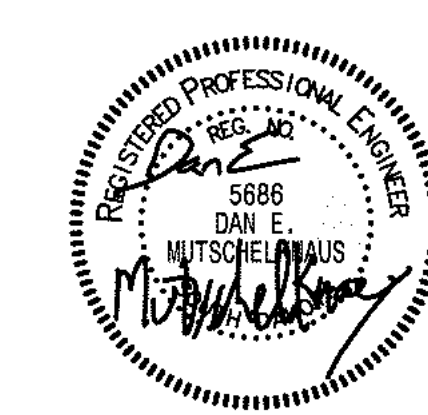
440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

co-oparch.com



Professional Design
Engineers
48371 265th Street
Brandon, SD 57005
(605)582-5717 (605)941-3337

SE PROJECT NO: 241000845



ISSUE:
2/4/25 100% CDS
REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
DEMO & PROPOSED - AREA B -
POWER & DATA PLAN

E300.B

DEMOLITION KEYNOTES:

1. EC TO DISCONNECT AND REMOVE EXG AG SHOP PANEL. REMOVE FEEDERS AND CONDUITS BACK TO MDP. LEAVE EXG BREAKER IN OFF POSITION.
2. EC TO DISCONNECT AND RELOCATE EXG BAND HALL AG SHOP PANEL. SPICE CONDUCTORS AND RE-FEED EXG 60A UPSTAIRS BAND HALL PANEL SEE PROPOSED.
3. TYPICAL: DISCONNECT AND REMOVE ALL POWER SERVING DEVICES DARK AND DASHED BACK TO ORIGINATING POWER SOURCE.

GENERAL NOTES:

- CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES, INCLUDING ANY NECESSARY DEMOLITION.
- REMOVE ELECTRICAL EQUIPMENT IN THE AREAS SHOWN ON THE PLAN, DISCONNECT CIRCUITS AND CONDUITS AND REMOVE TO A POINT OUT OF THE WAY OF THE GENERAL DEMOLITION. MARK ON THE PLAN TO CLEARLY SHOW WHERE THESE CIRCUITS ARE TAPPED. DISCONNECT THE POWER AND LIGHTING CIRCUITS IN THE PANELS TO ASSURE THAT THERE IS NO DANGER FROM ELECTRICAL SHOCK HAZARD PRESENT. DEMOLITION WORK SHALL BE COORDINATED WITH THE OWNER. SHOULD QUESTIONS ARISE REGARDING THE REMOVAL OF EQUIPMENT, CONFERENCE WITH THE OWNER BEFORE SUCH EQUIPMENT IS DEMOLISHED. MATERIALS REMOVED BY DEMOLITION SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE SPECIFICALLY NOTED. MATERIAL THE OWNER DOES NOT WISH TO RETAIN SHALL BE REMOVED AND DISPOSED OF PROPERLY BY THE CONTRACTOR.
- EQUIPMENT SHOWN ON DRAWINGS AS EXISTING IS BASED ON EXISTING PLANS AND LIMITED FIELD INVESTIGATION. THE FIELD SURVEY WAS CONDUCTED TO VERIFY, AS MUCH AS POSSIBLE, THE ACCURACY OF THE LOCATIONS SHOWN. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THE "EXISTING CONDITIONS" AS SHOWN ON THE DRAWINGS AS THE DEMOLITION WORK PROGRESSES. PERFORM MODIFICATIONS AND ADDITIONS AS NECESSARY TO CORRECT FOR THESE HIDDEN CONDITIONS AND ALLOW FOR THE COMPLETION OF THE NEW WORK.
- THE EXISTING BUILDING WILL BE IN USE DURING THIS CONSTRUCTION. SCHEDULE AND CARRY OUT THE WORK IN SUCH A MANNER AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTIONS. TEMPORARY SERVICES SHALL BE INSTALLED IF ONE PHASE OF CONSTRUCTION DISRUPTS SERVICE TO ANOTHER AREA OF THE BUILDING OR IF EQUIPMENT HAS TO BE RELOCATED TO ALLOW CONSTRUCTION TO PROGRESS. SERVICE INTERRUPTIONS SHALL BE CONFINED TO THE SMALLEST AREA POSSIBLE AT ANY ONE TIME AND INTERRUPTIONS SHALL BE SCHEDULED WITH THE OWNER'S SITE REPRESENTATIVE. AFTER SERVICE HAS BEEN RESTORED FOLLOWING AN INTERRUPTION, INSPECT AREAS AFFECTED BY THE INTERRUPTION AND BE RESPONSIBLE FOR RETURNING AUTOMATICALLY CONTROLLED EQUIPMENT TO THE SAME OPERATING CONDITION, WHICH EXISTED PRIOR TO THE INTERRUPTION.
- PROVIDE PENETRATIONS TO THE BUILDING STRUCTURE AS REQUIRED FOR INSTALLATION. WHERE EXISTING OR TEMPORARY SYSTEMS ARE BEING DEMOLISHED, WHICH LEAVE OPENINGS IN THE EXISTING BUILDING STRUCTURE, THE BUILDING STRUCTURE SHALL BE PATCHED TO MATCH THE EXISTING CONSTRUCTION AND MAINTAIN THE EXISTING BUILDING FIRE RATINGS.

ELECTRICAL KEYNOTES:

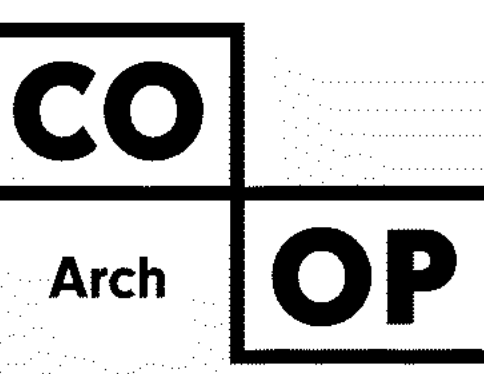
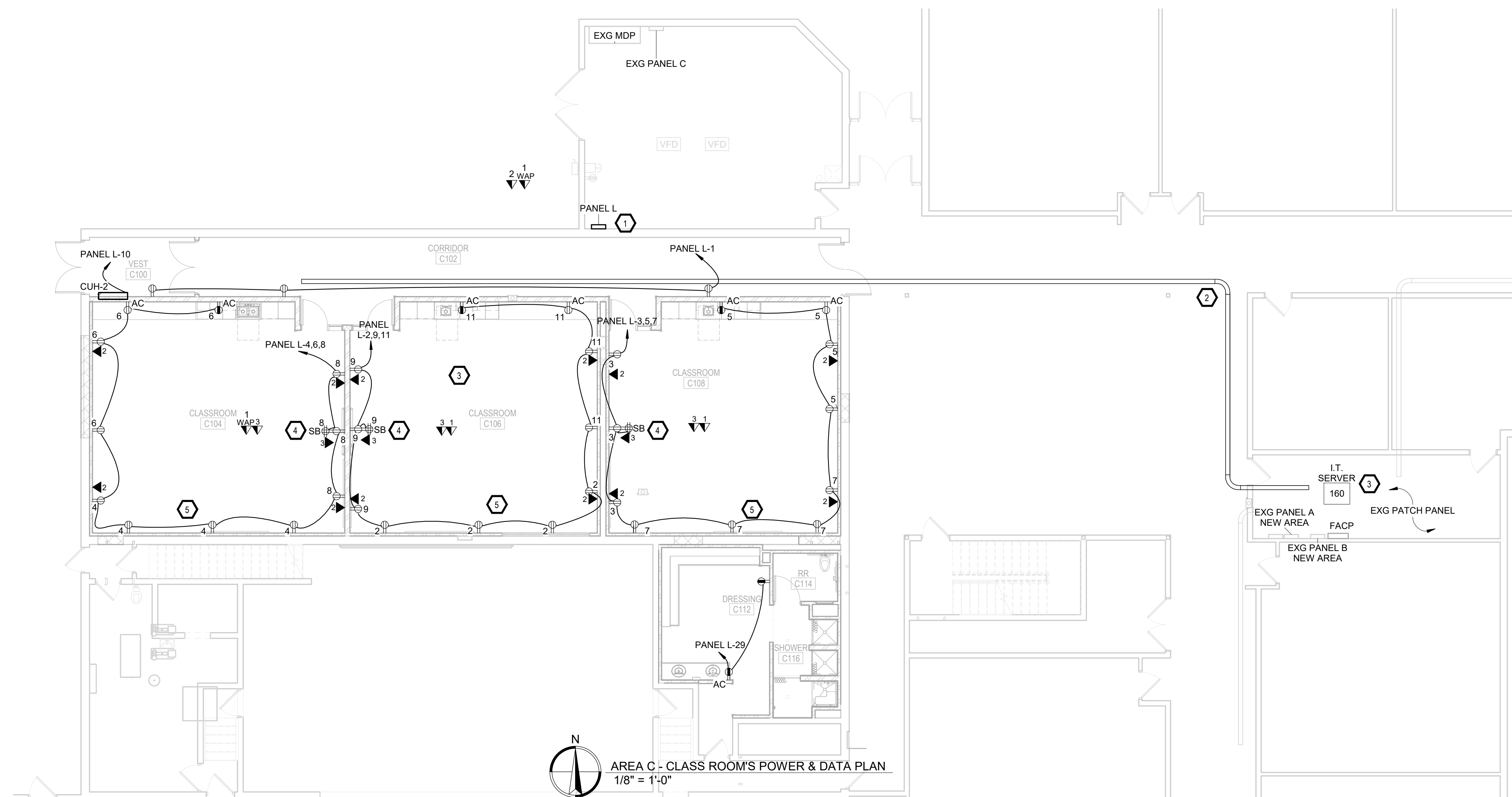
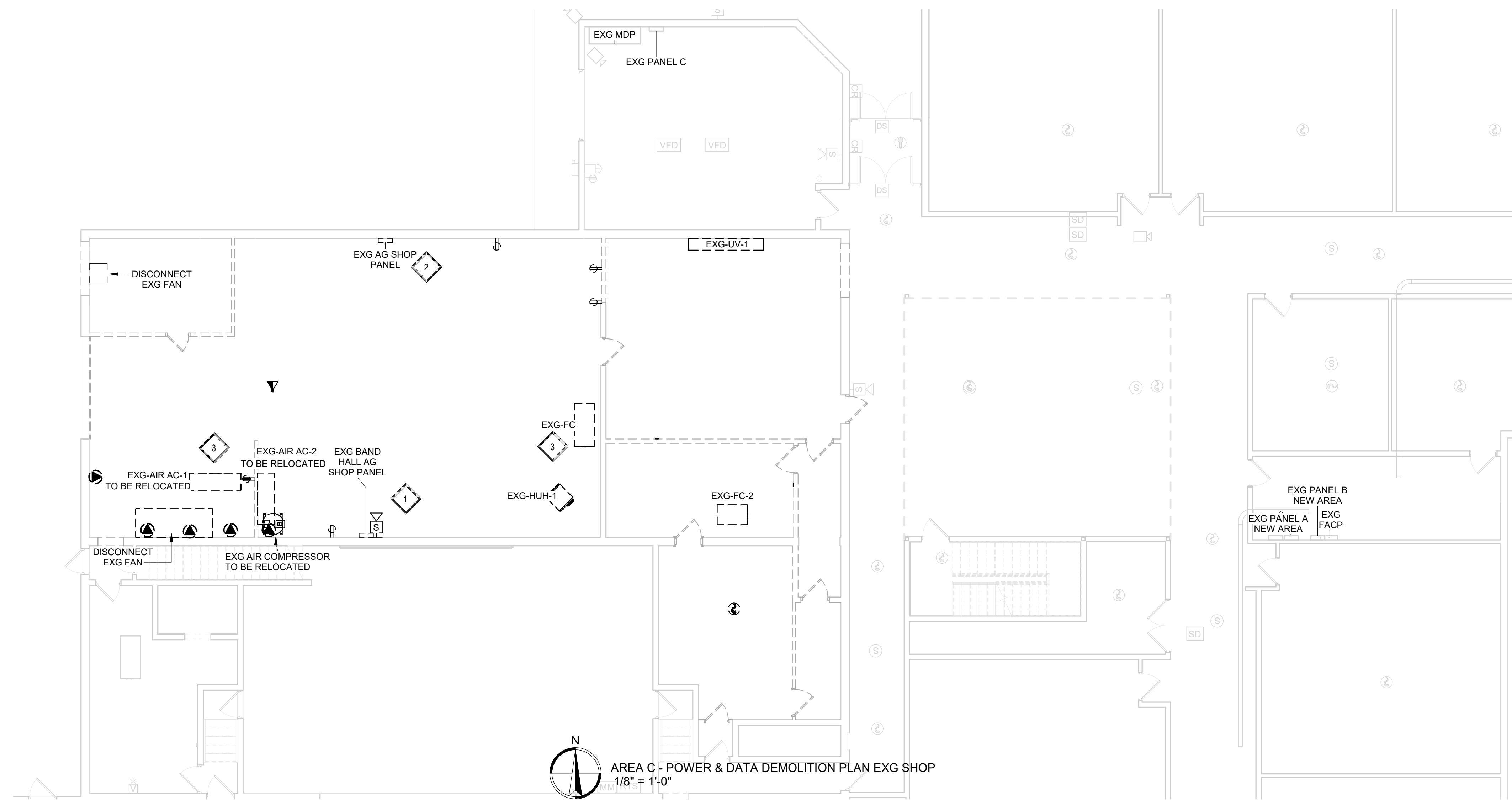
- INTERCEPT EXG FEEDER FROM BAND HALL AG SHOP PANEL AND REWORK TO INSTALL SALVAGED BAND HALL AG SHOP PANEL. IN MECH 135, PANEL TO BE RELABELLED AS PANEL L. RE-FEED EXG 60A HALLWAY PANEL FROM DEMO.
- 201 SERIES TRAY 6.25" DEEP CM 201-425-8, OR EQUAL. PROVIDE CABLE TRAY WITH ALL APPROPRIATE FITTINGS TO MAKE TS AND ELBOWS.
- TYPICAL: ALL DATA CABLING IN THIS AREA ROUTED TO EXG PATCH PANEL IN ROOM - I.T. SERVER 160
- TYPICAL: SB(SMARTBOARD) LOCATION INSTALL 1 - 1" CONDUIT STUBBED INTO CEILING. EACH SB LOCATION WILL HAVE 1 - QUAD DUPLEX, 3 - CAT 6 CABLES, 1 - AUDIO CABLE FOR AUDIO ENHANCEMENT SYSTEM. INSTALL @ 72" TO LEFT OF GC PROVIDED BACKING. COORDINATE WITH GC FOR BACKING LOCATIONS. SMARTBOARD PROVIDED BY OWNER.
- TYPICAL: 2 HOUR FIRE WALL. INSTALL 3M FIRE BARRIER INSERT "EB-4" FOR 4M JUNCTION BOX AND "EB-6" FOR 4 1/16" JUNCTION BOX OR APPROVED EQUAL. SEE G001 CODE AND ORDINATION PLAN.

DATA KEYNOTES:

- 1 - CAT 6 CABLE WITH 15' SERVICE LOOP
- 2 - CAT 6 CABLES WITH 15' SERVICE LOOP
- 3 - CAT 6 CABLES WITH 15' SERVICE LOOP
- 4 - 1 - CAT 6a CABLE WITH 15' SERVICE LOOP

CEILING DATA KEYNOTES:

- 1 - 1 - CAT 6a CABLE WITH 15' SERVICE LOOP
- 2 - 2 - CAT 6 CABLES WITH 15' SERVICE LOOP
- 3 - 3 - CAT 6 CABLES WITH 15' SERVICE LOOP

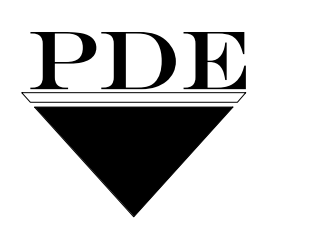


1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

601 Kansas City St. 7
Rapid City, SD 57701
Phone: 605-716-3652

440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

co-oparch.com



Professional Design Engineers
48371 265th Street
Brandon, SD 57005
(605)582-5717 (605)941-3337

SE PROJECT NO: 241000845



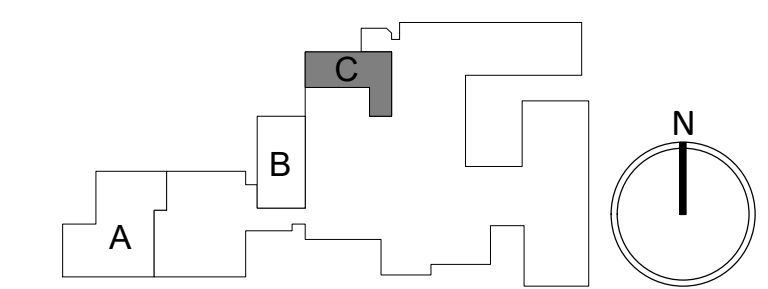
ISSUE:
2/4/25 100% CD'S

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
DEMO & PROPOSED - AREA C -
POWER & DATA PLAN

E300.C



GENERAL NOTES:

- A. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES, INCLUDING ANY NECESSARY DEMOLITION.
- B. REMOVE ELECTRICAL EQUIPMENT IN THE AREAS SHOWN ON THE PLAN. DISCONNECT CIRCUITS AND CONDUITS AND REMOVE TO A POINT OUT OF THE WAY OF THE GENERAL DEMOLITION. MARK ON THE PLAN TO CLEARLY SHOW WHERE THESE CIRCUITS ARE TAPPED. DISCONNECT THE POWER AND LIGHTING CIRCUITS IN THE PANELS TO ASSURE THAT THERE IS NO DANGER FROM ELECTRICAL SHOCK HAZARD PRESENT. DEMOLITION WORK SHALL BE COORDINATED WITH THE OWNER. SHOULD QUESTIONS ARISE REGARDING THE REMOVAL OF EQUIPMENT, CONFER WITH THE OWNER BEFORE SUCH EQUIPMENT IS DEMOLISHED. MATERIALS REMOVED BY DEMOLITION SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE SPECIFICALLY NOTED. MATERIAL THE OWNER DOES NOT WISH TO RETAIN SHALL BE REMOVED AND DISPOSED OF PROPERLY BY THE CONTRACTOR.
- C. EQUIPMENT SHOWN ON DRAWINGS AS EXISTING IS BASED ON EXISTING PLANS AND LIMITED FIELD INVESTIGATION. THE FIELD SURVEY WAS CONDUCTED TO VERIFY, AS MUCH AS POSSIBLE, THE ACCURACY OF THE LOCATIONS SHOWN. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THE "EXISTING CONDITIONS" AS SHOWN ON THE DRAWINGS AS THE DEMOLITION WORK PROGRESSES. PERFORM MODIFICATIONS AND ADDITIONS AS NECESSARY TO CORRECT FOR THESE HIDDEN CONDITIONS AND ALLOW FOR THE COMPLETION OF THE NEW WORK.
- D. THE EXISTING BUILDING WILL BE IN USE DURING THIS CONSTRUCTION. SCHEDULE AND CARRY OUT THE WORK IN SUCH A MANNER AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTIONS. TEMPORARY SERVICES SHALL BE INSTALLED IF ONE PHASE OF CONSTRUCTION DISRUPTS SERVICE TO ANOTHER AREA OF THE BUILDING OR IF EQUIPMENT HAS TO BE RELOCATED TO ALLOW CONSTRUCTION TO PROGRESS. SERVICE INTERRUPTIONS SHALL BE CONFINED TO THE SMALLEST AREA POSSIBLE AT ANY ONE TIME AND INTERRUPTIONS SHALL BE SCHEDULED WITH THE OWNER'S SITE REPRESENTATIVE. AFTER SERVICE HAS BEEN RESTORED FOLLOWING AN INTERRUPTION, INSPECT AREAS AFFECTED BY THE INTERRUPTION AND BE RESPONSIBLE FOR RETURNING AUTOMATICALLY CONTROLLED EQUIPMENT TO THE SAME OPERATING CONDITION WHICH EXISTED PRIOR TO THE INTERRUPTION.
- E. PROVIDE PENETRATIONS TO THE BUILDING STRUCTURE AS REQUIRED FOR INSTALLATION. WHERE EXISTING OR TEMPORARY SYSTEMS ARE BEING DEMOLISHED, WHICH LEAVE OPENINGS IN THE EXISTING BUILDING STRUCTURE, THE BUILDING STRUCTURE SHALL BE PATCHED TO MATCH THE EXISTING CONSTRUCTION AND MAINTAIN THE EXISTING BUILDING FIRE RATINGS.

DEMOLITION KEYNOTES:

- 1. DISCONNECT POWER SERVING EXG UV-7, FC-8 AND UV-9. REMOVE CIRCUITS BACK TO SOURCE FEEDING DEVICES.

ELECTRICAL KEYNOTES:

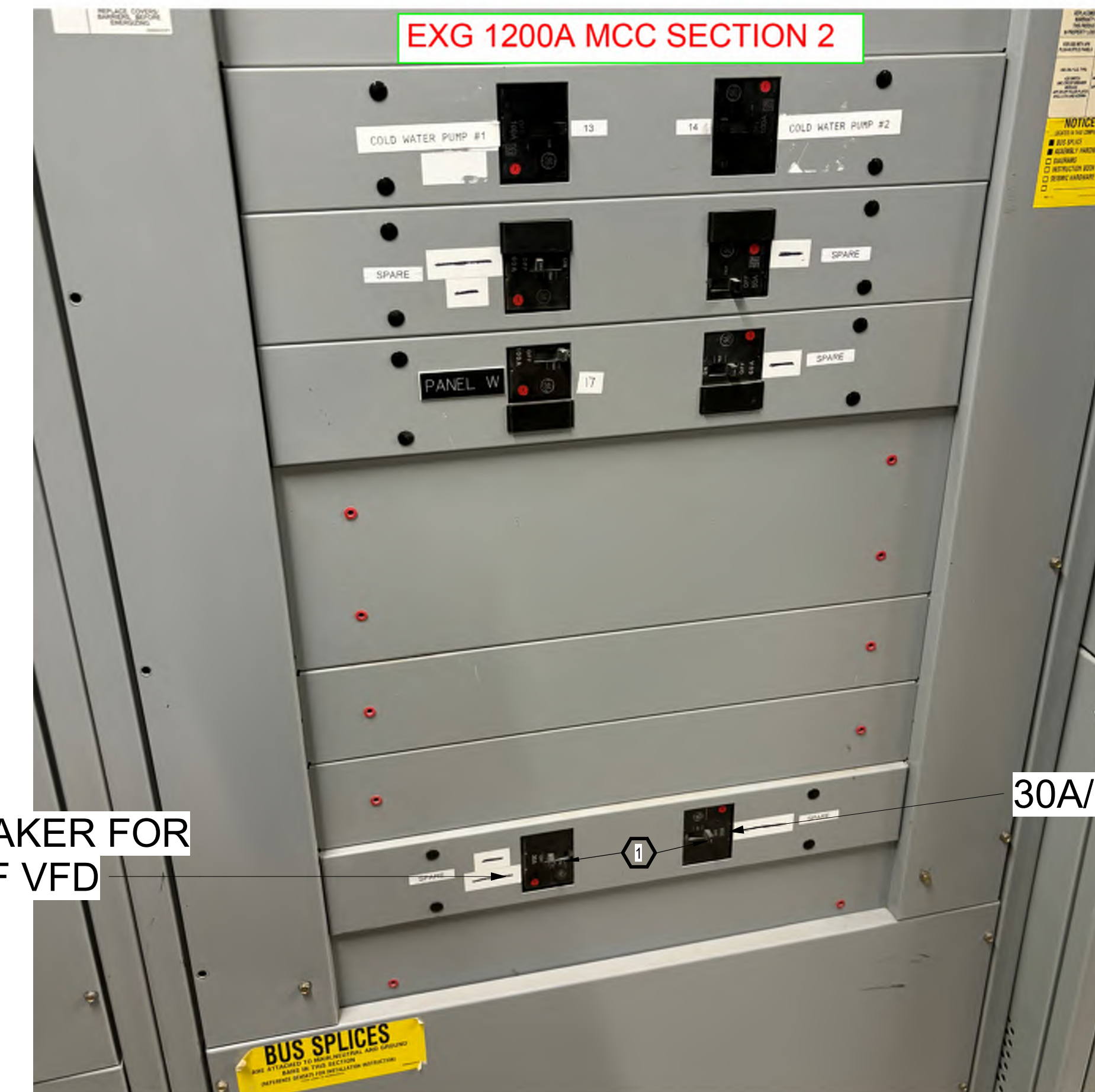
- 1. INSTALL VFD'S SUPPLIED BY TC. TERMINATE POWER IN EXG 1200A MDP SECTION 2 EXG 30A/3PH BREAKERS. LABEL BREAKERS WITH ENGRAVED LABEL MARKED AS AHU-1 RF & AHU-1 SF.
- 2. PROVIDE AND INSTALL RELAY AND JUNCTION BOX FOR VC PROVIDED EF-3 FOR INTEGRATION WITH BAS.

DATA KEYNOTES:

- 1. 1 - CAT 6 CABLE WITH 15' SERVICE LOOP
- 2. 2 - CAT 6 CABLES WITH 15' SERVICE LOOP
- 3. 3 - CAT 6 CABLES WITH 15' SERVICE LOOP
- 4. 1 - CAT 6a CABLE WITH 15' SERVICE LOOP

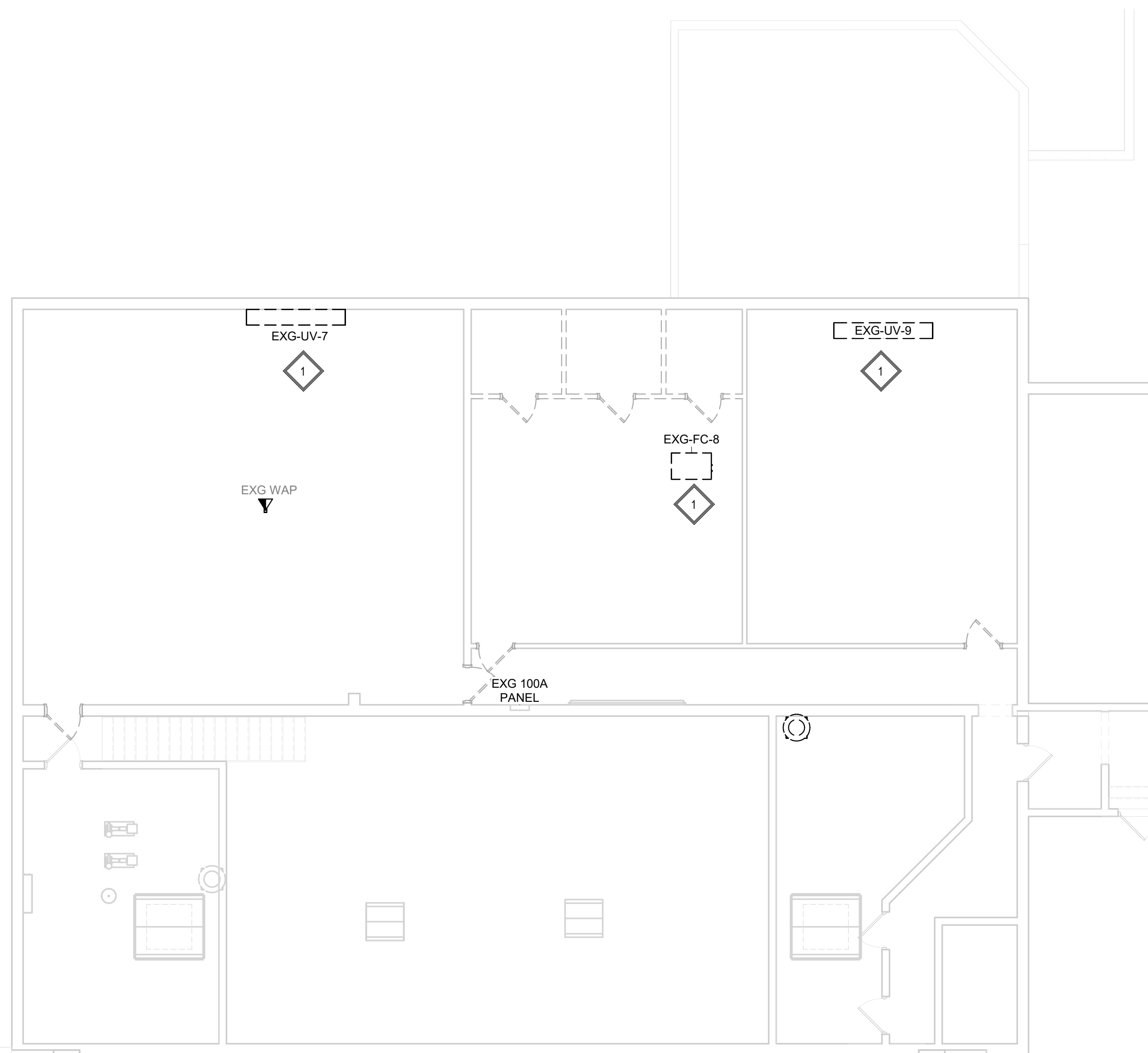
CEILING DATA KEYNOTES:

- 1. 1 - CAT 6a CABLE WITH 15' SERVICE LOOP
- 2. 2 - CAT 6 CABLES WITH 15' SERVICE LOOP

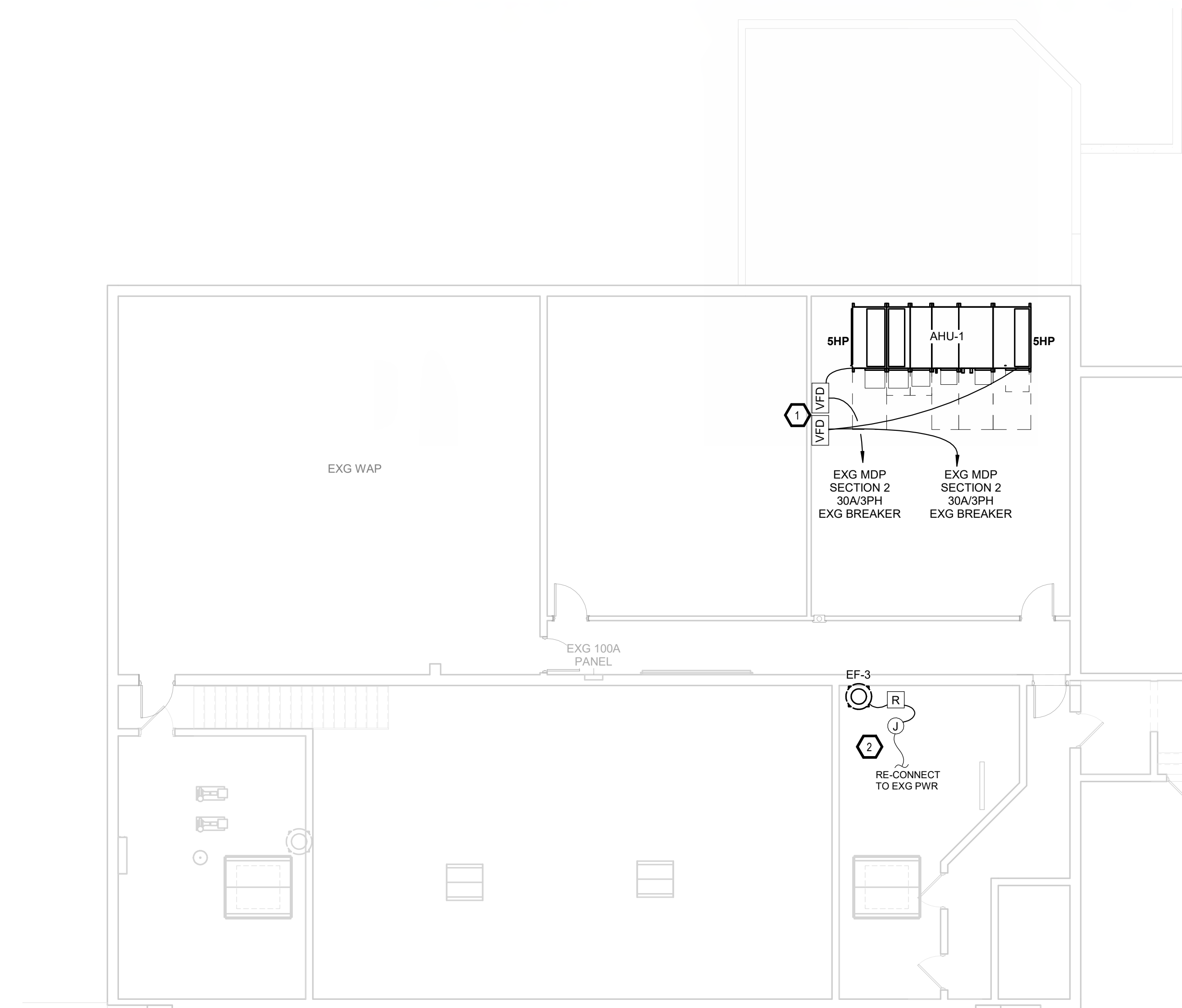


30A/3PH BREAKER FOR AHU-1 RF VFD

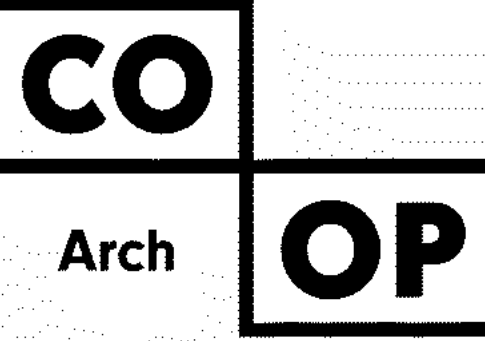
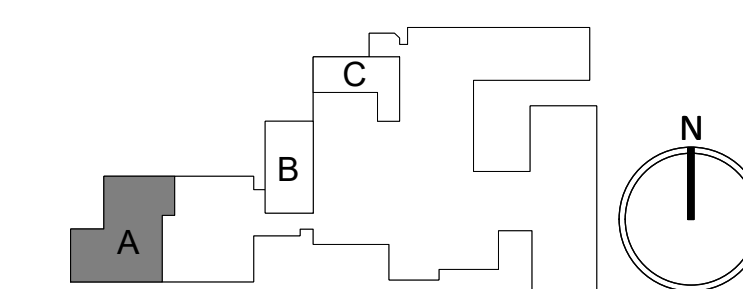
30A/3PH BREAKER FOR AHU-1 SF VFD



SECOND FLOOR - AREA C - POWER & DATA DEMOLITION PLAN
1/8" = 1'-0"



SECOND FLOOR - POWER & DATA PLAN
1/8" = 1'-0"



1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

601 Kansas City St. 7
Rapid City, SD 57701
Phone: 605-716-3652

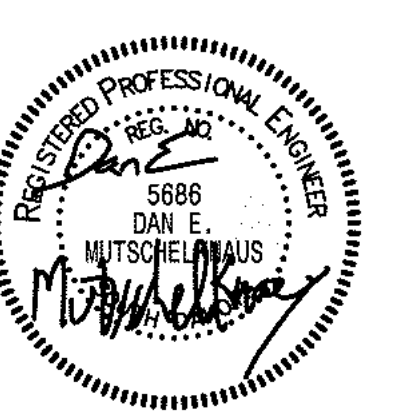
440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

co-oparch.com



Professional Design
Engineers
48371 265th Street
Brandon, SD 57005
(605)582-5717 (605)941-3337

SE PROJECT NO: 241000845



ISSUE:
2/4/25 100% CDS

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
DEMO & PROPOSED - AREA C -
SECOND FLOOR - POWER &
DATA PLAN

E301.C

GENERAL NOTES:

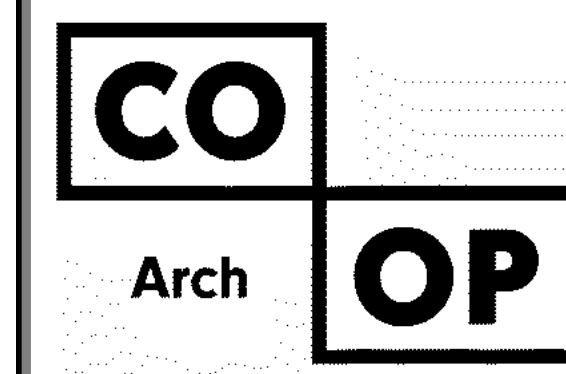
- CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES, INCLUDING ANY NECESSARY DEMOLITION.
- REMOVE ELECTRICAL EQUIPMENT IN THE AREAS SHOWN ON THE PLAN. DISCONNECT CIRCUITS AND CONDUITS AND REMOVE TO A POINT OUT OF THE WAY OF THE GENERAL DEMOLITION. MARK ON THE PLAN TO CLEARLY SHOW WHERE THESE CIRCUITS ARE TAPPED. DISCONNECT THE POWER AND LIGHTING CIRCUITS IN THE PANELS TO ASSURE THAT THERE IS NO DANGER FROM ELECTRICAL SHOCK HAZARD PRESENT. DEMOLITION WORK SHALL BE COORDINATED WITH THE OWNER. SHOULD QUESTIONS ARISE REGARDING THE REMOVAL OF EQUIPMENT, CONFER WITH THE OWNER BEFORE SUCH EQUIPMENT IS DEMOLISHED. MATERIALS REMOVED BY DEMOLITION SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE SPECIFICALLY NOTED. MATERIAL THE OWNER DOES NOT WISH TO RETAIN SHALL BE REMOVED AND DISPOSED OF PROPERLY BY THE CONTRACTOR.
- EQUIPMENT SHOWN ON DRAWINGS AS EXISTING IS BASED ON EXISTING PLANS AND LIMITED FIELD INVESTIGATION. THE FIELD SURVEY WAS CONDUCTED TO VERIFY, AS MUCH AS POSSIBLE, THE ACCURACY OF THE LOCATIONS SHOWN. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THE "EXISTING CONDITIONS" AS SHOWN ON THE DRAWINGS AS THE DEMOLITION WORK PROGRESSES. PERFORM MODIFICATIONS AND ADDITIONS AS NECESSARY TO CORRECT FOR THESE HIDDEN CONDITIONS AND ALLOW FOR THE COMPLETION OF THE NEW WORK.
- THE EXISTING BUILDING WILL BE IN USE DURING THIS CONSTRUCTION. SCHEDULE AND CARRY OUT THE WORK IN SUCH A MANNER AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTIONS. TEMPORARY SERVICES SHALL BE INSTALLED IF ONE PHASE OF CONSTRUCTION DISRUPTS SERVICE TO ANOTHER AREA OF THE BUILDING OR IF EQUIPMENT HAS TO BE RELOCATED TO ALLOW CONSTRUCTION TO PROGRESS. SERVICE INTERRUPTIONS SHALL BE CONFINED TO THE SMALLEST AREA POSSIBLE AT ANY ONE TIME AND INTERRUPTIONS SHALL BE SCHEDULED WITH THE OWNER'S SITE REPRESENTATIVE. AFTER SERVICE HAS BEEN RESTORED FOLLOWING AN INTERRUPTION, INSPECT AREAS AFFECTED BY THE INTERRUPTION AND BE RESPONSIBLE FOR RETURNING AUTOMATICALLY CONTROLLED EQUIPMENT TO THE SAME OPERATING CONDITION WHICH EXISTED PRIOR TO THE INTERRUPTION.
- PROVIDE PENETRATIONS TO THE BUILDING STRUCTURE AS REQUIRED FOR INSTALLATION. WHERE EXISTING OR TEMPORARY SYSTEMS ARE BEING DEMOLISHED, WHICH LEAVE OPENINGS IN THE EXISTING BUILDING STRUCTURE, THE BUILDING STRUCTURE SHALL BE PATCHED TO MATCH THE EXISTING CONSTRUCTION AND MAINTAIN THE EXISTING BUILDING FIRE RATINGS.

DEMOLITION KEYNOTES:

- TYPICAL. DISCONNECT AND REMOVE ALL LIGHTING DEVICES DARK AND DASHED SERVING THIS AREA.

ELECTRICAL KEYNOTES:

- CONNECT LIGHT TO EXG EXTERIOR LIGHTING CIRCUIT. PROVIDE UNSWITCHED POWER FOR BATTERY.
- MAINTAIN 5' CLEARANCES FROM ELECTRICAL DEVICES PER NEC.
- THIS ROOM SHALL HAVE A CLASS 1, DIV. 2 RATING. ALL WIRING METHODS SHALL COMPLY WITH NEC ARTICLES 500 & 501.

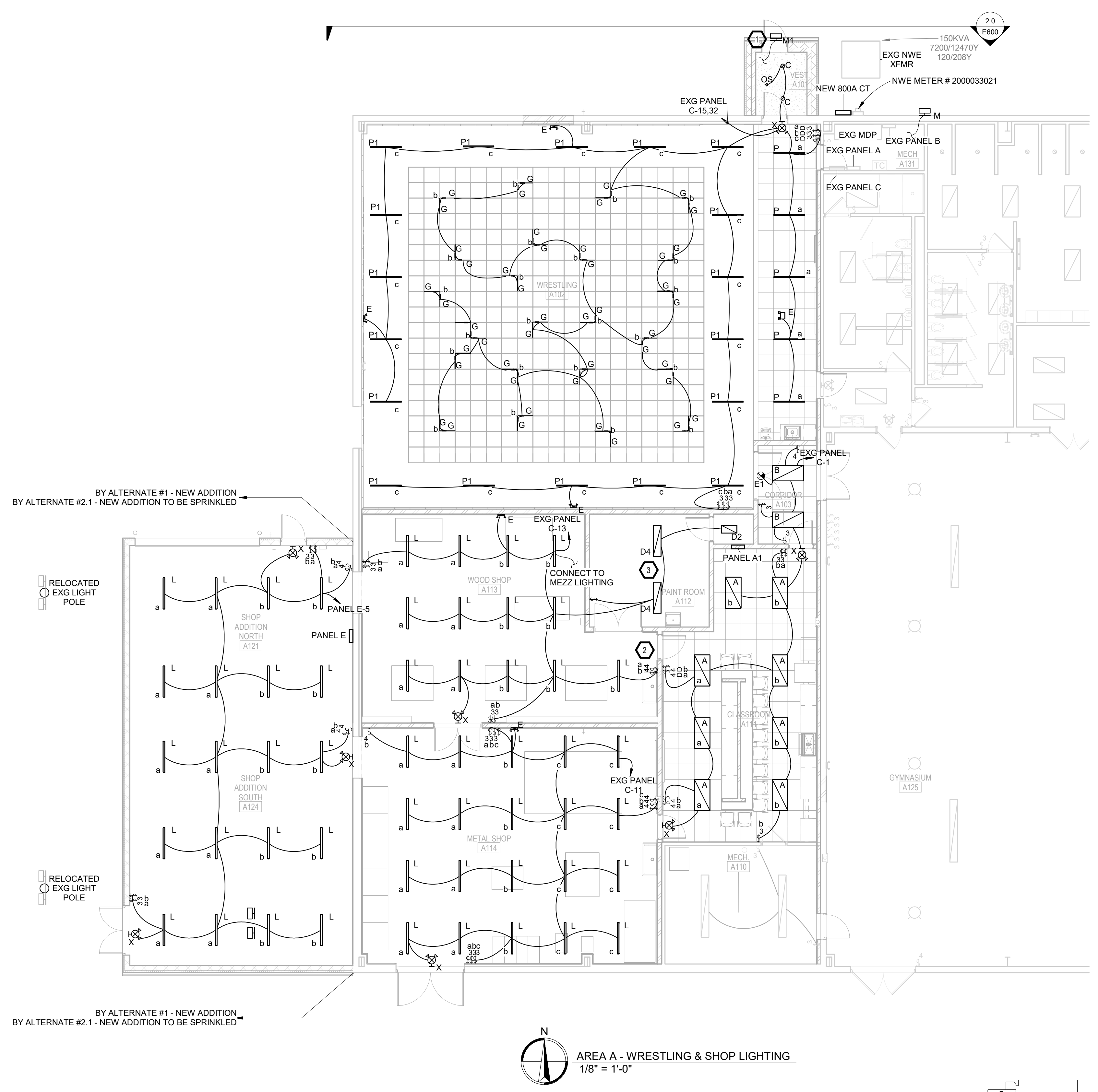
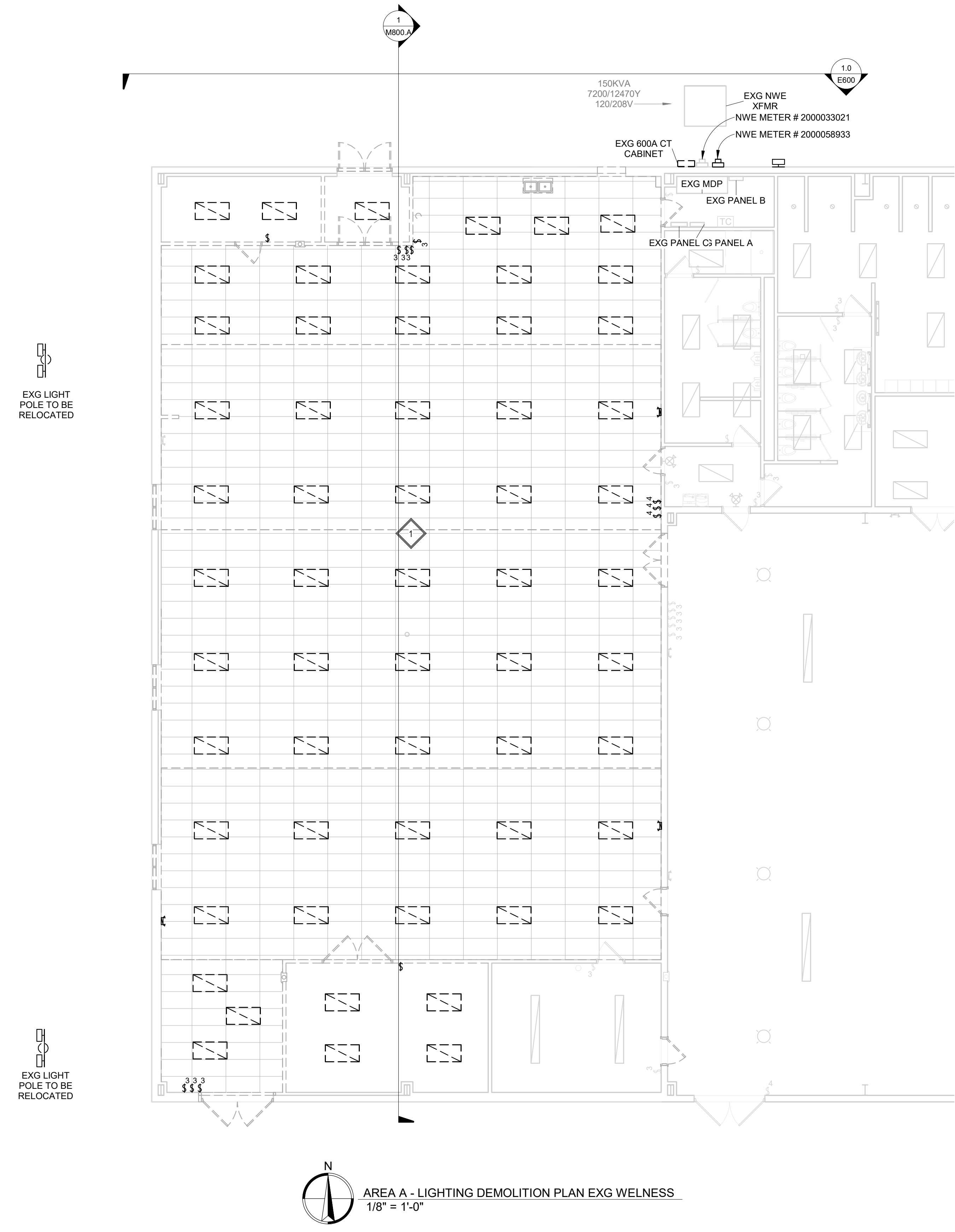
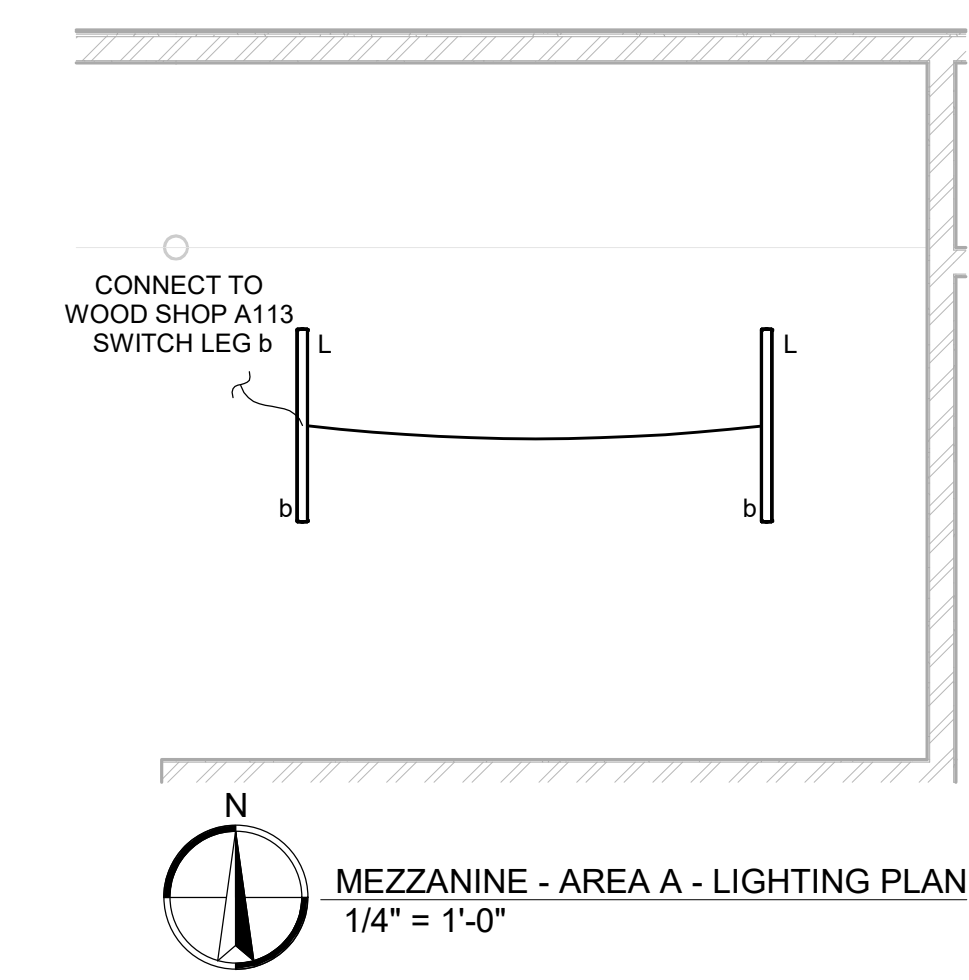


1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

601 Kansas City St. 7
Rapid City, SD 57701
Phone: 605-716-3652

440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

co-oparch.com



SE PROJECT NO: 241000845



ISSUE:
2/4/25 100% CD'S

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
DEMO & PROPOSED - AREA A -
LIGHTING PLAN

E400.A

GENERAL NOTES:

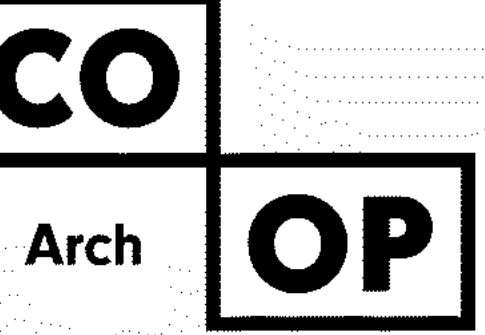
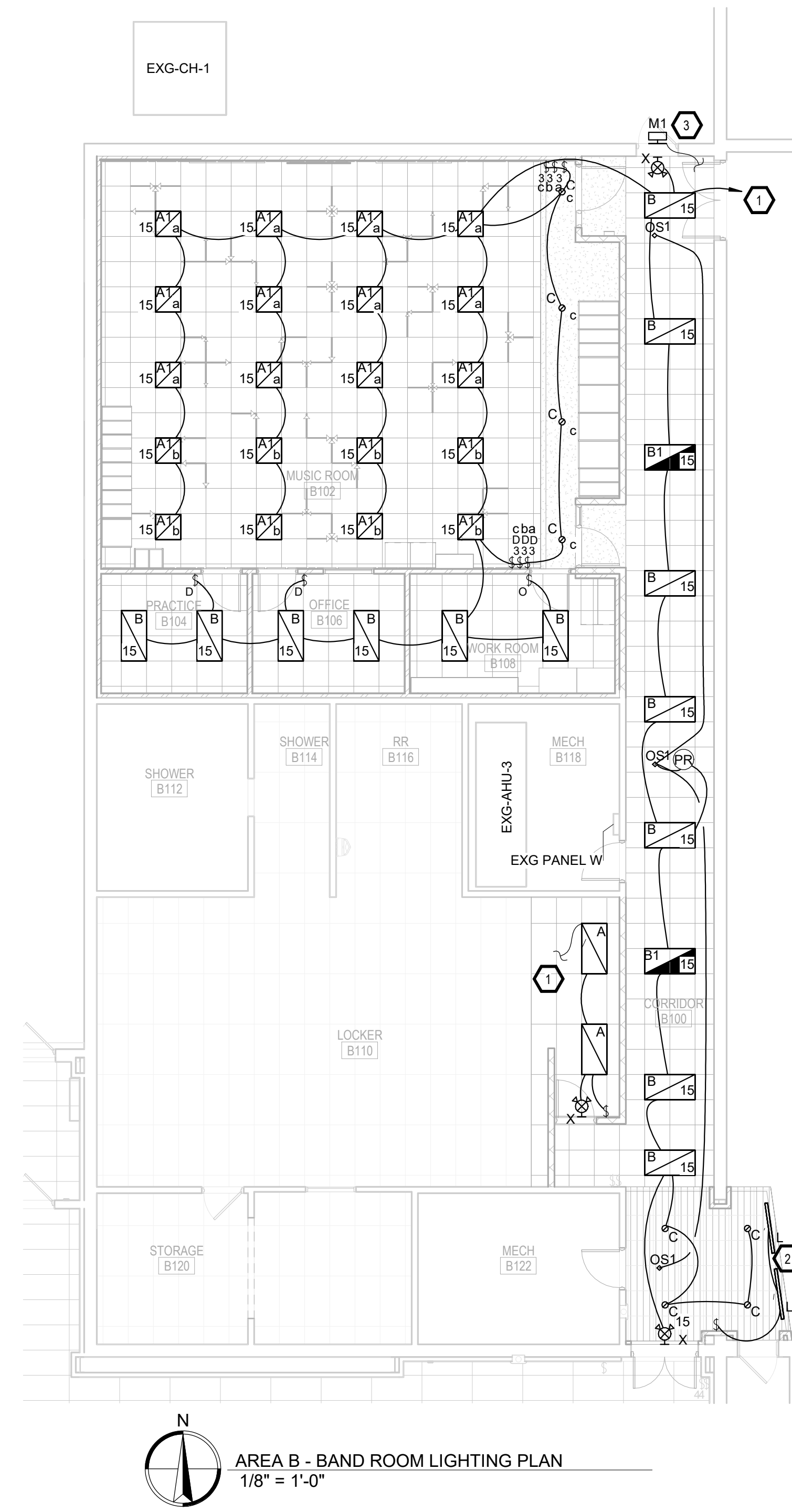
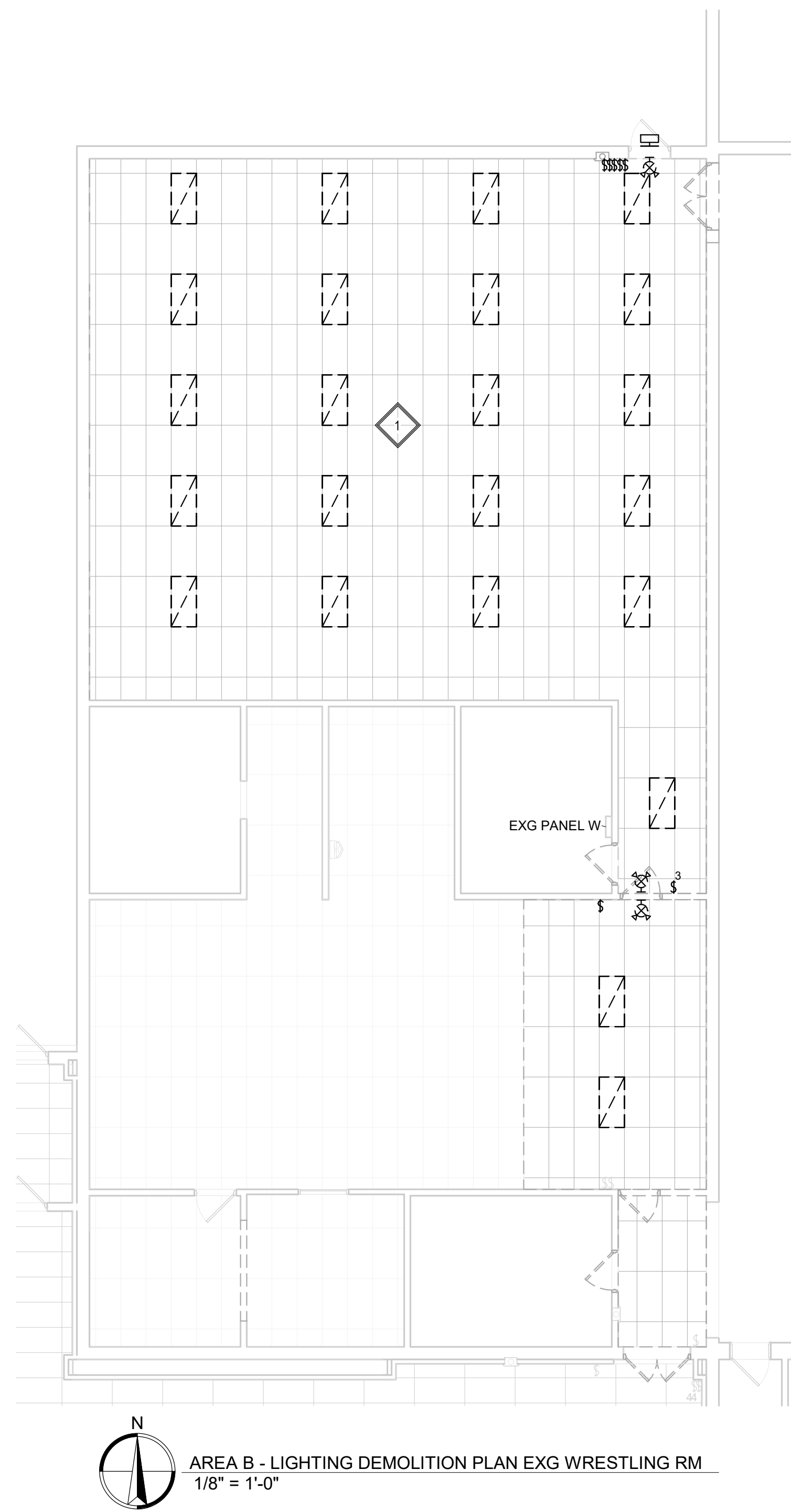
- A. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES, INCLUDING ANY NECESSARY DEMOLITION.
- B. REMOVE ELECTRICAL EQUIPMENT IN THE AREAS SHOWN ON THE PLAN. DISCONNECT CIRCUITS AND CONDUITS AND REMOVE TO A POINT OUT OF THE WAY OF THE GENERAL DEMOLITION. MARK ON THE PLAN TO CLEARLY SHOW WHERE THESE CIRCUITS ARE TAPPED. DISCONNECT THE POWER AND LIGHTING CIRCUITS IN THE PANELS TO ASSURE THAT THERE IS NO DANGER FROM ELECTRICAL SHOCK HAZARD PRESENT. DEMOLITION WORK SHALL BE COORDINATED WITH THE OWNER. SHOULD QUESTIONS ARISE REGARDING THE REMOVAL OF EQUIPMENT, CONFER WITH THE OWNER BEFORE SUCH EQUIPMENT IS DEMOLISHED. MATERIALS REMOVED BY DEMOLITION SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE SPECIFICALLY NOTED. MATERIAL THE OWNER DOES NOT WISH TO RETAIN SHALL BE REMOVED AND DISPOSED OF PROPERLY BY THE CONTRACTOR.
- C. EQUIPMENT SHOWN ON DRAWINGS AS EXISTING IS BASED ON EXISTING PLANS AND LIMITED FIELD INVESTIGATION. THE FIELD SURVEY WAS CONDUCTED TO VERIFY, AS MUCH AS POSSIBLE, THE ACCURACY OF THE LOCATIONS SHOWN. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THE "EXISTING CONDITIONS" AS SHOWN ON THE DRAWINGS AS THE DEMOLITION WORK PROGRESSES. PERFORM MODIFICATIONS AND ADDITIONS AS NECESSARY TO CORRECT FOR THESE HIDDEN CONDITIONS AND ALLOW FOR THE COMPLETION OF THE NEW WORK.
- D. THE EXISTING BUILDING WILL BE IN USE DURING THIS CONSTRUCTION. SCHEDULE AND CARRY OUT THE WORK IN SUCH A MANNER AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTIONS. TEMPORARY SERVICES SHALL BE INSTALLED IF ONE PHASE OF CONSTRUCTION DISRUPTS SERVICE TO ANOTHER AREA OF THE BUILDING OR IF EQUIPMENT HAS TO BE RELOCATED TO ALLOW CONSTRUCTION TO PROGRESS. SERVICE INTERRUPTIONS SHALL BE CONFINED TO THE SMALLEST AREA POSSIBLE AT ANY ONE TIME AND INTERRUPTIONS SHALL BE SCHEDULED WITH THE OWNER'S SITE REPRESENTATIVE. AFTER SERVICE HAS BEEN RESTORED FOLLOWING AN INTERRUPTION, INSPECT AREAS AFFECTED BY THE INTERRUPTION AND BE RESPONSIBLE FOR RETURNING AUTOMATICALLY CONTROLLED EQUIPMENT TO THE SAME OPERATING CONDITION WHICH EXISTED PRIOR TO THE INTERRUPTION.
- E. PROVIDE PENETRATIONS TO THE BUILDING STRUCTURE AS REQUIRED FOR INSTALLATION. WHERE EXISTING OR TEMPORARY SYSTEMS ARE BEING DEMOLISHED, WHICH LEAVE OPENINGS IN THE EXISTING BUILDING STRUCTURE, THE BUILDING STRUCTURE SHALL BE PATCHED TO MATCH THE EXISTING CONSTRUCTION AND MAINTAIN THE EXISTING BUILDING FIRE RATINGS.

DEMOLITION KEYNOTES:

- 1. TYPICAL: DISCONNECT AND REMOVE ALL LIGHTING DEVICES DARK AND DASHED SERVING THIS AREA.

ELECTRICAL KEYNOTES:

- 1. REWORK EXG CIRCUIT FOR LIGHTING AND CONNECT TO EXG POWER.
- 2. INSTALL TYPE "L" FIXTURE IN SOFFIT. INSTALL FIXTURE SO THAT LIGHT MAY BE DIRECTED UPWARD.
- 3. CONNECT LIGHT TO EXG EXTERIOR LIGHTING CIRCUIT. PROVIDE UNSWITCHED POWER FOR BATTERY.



1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

601 Kansas City St. 7
Rapid City, SD 57701
Phone: 605-716-3652

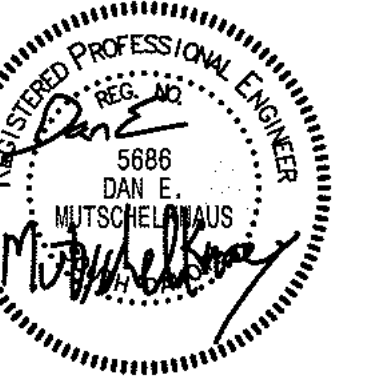
440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

co-oparch.com



Professional Design Engineers
48371 265th Street
Brandon, SD 57005
(605)582-5717 (605)941-3337

SE PROJECT NO: 241000845



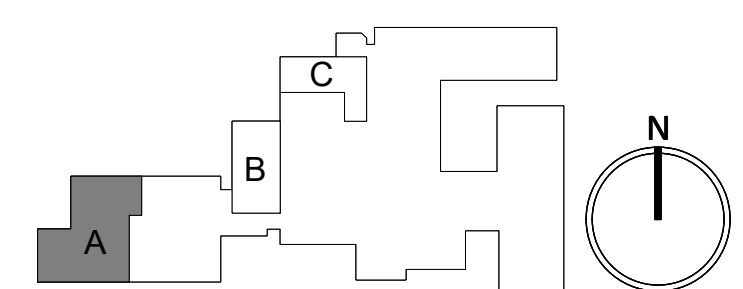
ISSUE:
2/4/25 100% CDS

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
DEMO & PROPOSED - AREA B -
LIGHTING PLAN

E400.B



DEMOLITION KEYNOTES:

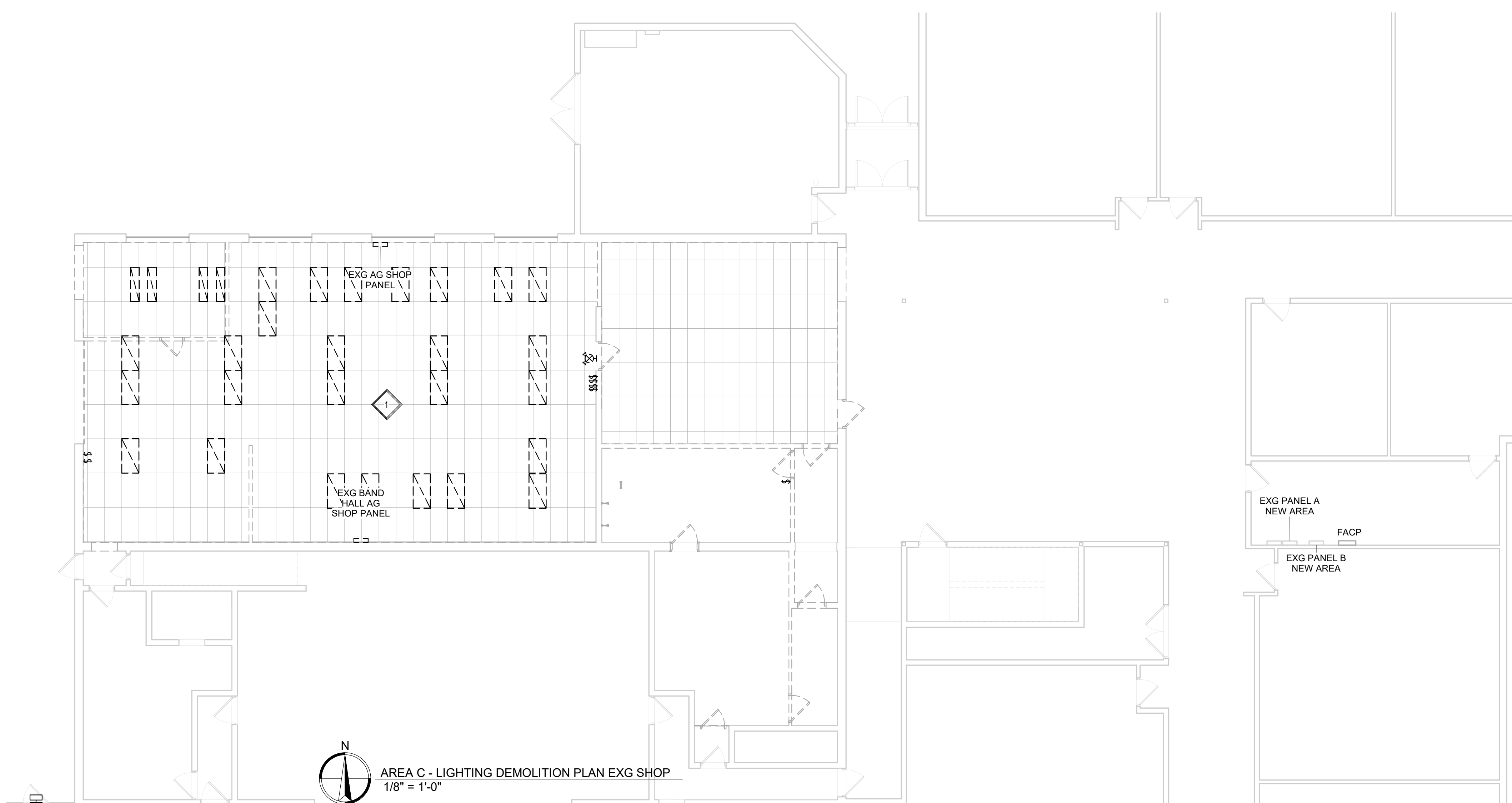
1. TYPICAL: DISCONNECT AND REMOVE ALL LIGHTING DEVICES DARK AND DASHED SERVING THIS AREA.

GENERAL NOTES:

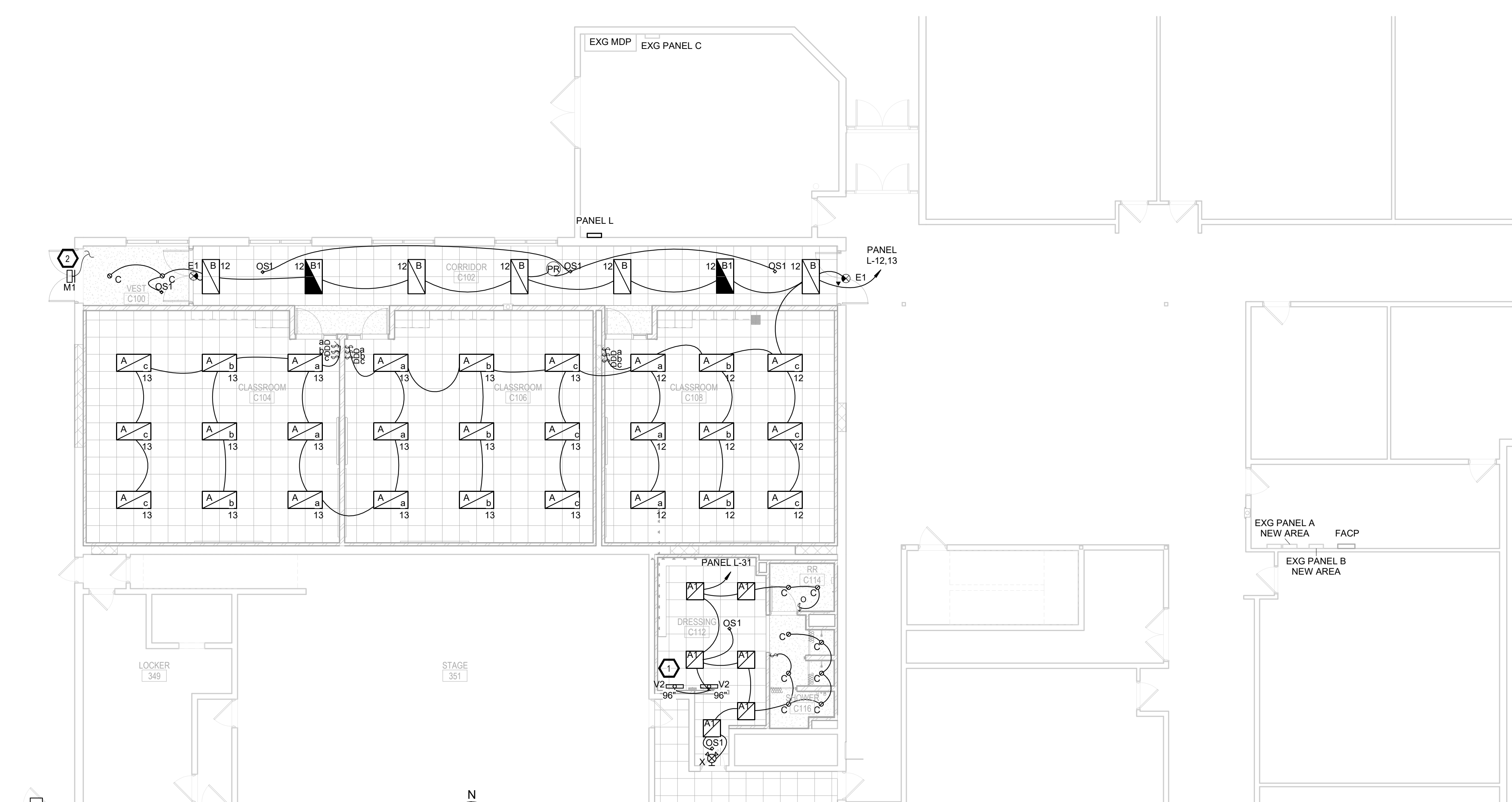
- CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES, INCLUDING ANY NECESSARY DEMOLITION.
- REMOVE ELECTRICAL EQUIPMENT IN THE AREAS SHOWN ON THE PLAN, DISCONNECT CIRCUITS AND CONDUITS AND REMOVE TO A POINT OUT OF THE WAY OF THE GENERAL DEMOLITION. MARK ON THE PLAN TO CLEARLY SHOW WHERE THESE CIRCUITS ARE TAPPED. DISCONNECT THE POWER AND LIGHTING CIRCUITS IN THE PANELS TO ASSURE THAT THERE IS NO DANGER FROM ELECTRICAL SHOCK HAZARD PRESENT. DEMOLITION WORK SHALL BE COORDINATED WITH THE OWNER. SHOULD QUESTIONS ARISE REGARDING THE REMOVAL OF EQUIPMENT, CONFERENCE WITH THE OWNER BEFORE SUCH EQUIPMENT IS DEMOLISHED. MATERIALS REMOVED BY DEMOLITION SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE SPECIFICALLY NOTED. MATERIAL THE OWNER DOES NOT WISH TO RETAIN SHALL BE REMOVED AND DISPOSED OF PROPERLY BY THE CONTRACTOR.
- EQUIPMENT SHOWN ON DRAWINGS AS EXISTING IS BASED ON EXISTING PLANS AND LIMITED FIELD INVESTIGATION. THE FIELD SURVEY WAS CONDUCTED TO VERIFY, AS MUCH AS POSSIBLE, THE ACCURACY OF THE LOCATIONS SHOWN. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THE "EXISTING CONDITIONS" AS SHOWN ON THE DRAWINGS AS THE DEMOLITION WORK PROGRESSES. PERFORM MODIFICATIONS AND ADDITIONS AS NECESSARY TO CORRECT FOR THESE HIDDEN CONDITIONS AND ALLOW FOR THE COMPLETION OF THE NEW WORK.
- THE EXISTING BUILDING WILL BE IN USE DURING THIS CONSTRUCTION. SCHEDULE AND CARRY OUT THE WORK IN SUCH A MANNER AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTIONS. TEMPORARY SERVICES SHALL BE INSTALLED IF ONE PHASE OF CONSTRUCTION DISRUPTS SERVICE TO ANOTHER AREA OF THE BUILDING OR IF EQUIPMENT HAS TO BE RELOCATED TO ALLOW CONSTRUCTION TO PROGRESS. SERVICE INTERRUPTIONS SHALL BE CONFINED TO THE SMALLEST AREA POSSIBLE AT ANY ONE TIME AND INTERRUPTIONS SHALL BE SCHEDULED WITH THE OWNER'S SITE REPRESENTATIVE. AFTER SERVICE HAS BEEN RESTORED FOLLOWING AN INTERRUPTION, INSPECT AREAS AFFECTED BY THE INTERRUPTION AND BE RESPONSIBLE FOR RETURNING AUTOMATICALLY CONTROLLED EQUIPMENT TO THE SAME OPERATING CONDITION, WHICH EXISTED PRIOR TO THE INTERRUPTION.
- PROVIDE PENETRATIONS TO THE BUILDING STRUCTURE AS REQUIRED FOR INSTALLATION. WHERE EXISTING OR TEMPORARY SYSTEMS ARE BEING DEMOLISHED, WHICH LEAVE OPENINGS IN THE EXISTING BUILDING STRUCTURE, THE BUILDING STRUCTURE SHALL BE PATCHED TO MATCH THE EXISTING CONSTRUCTION AND MAINTAIN THE EXISTING BUILDING FIRE RATINGS.

ELECTRICAL KEYNOTES:

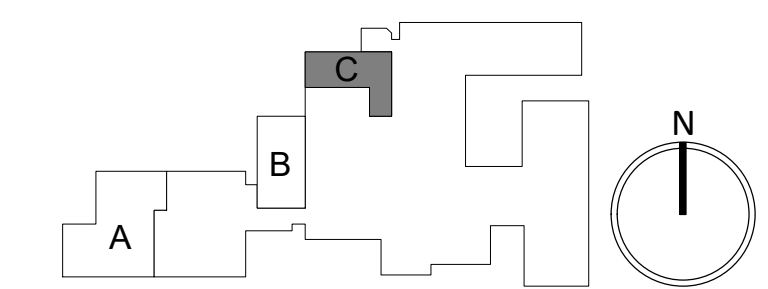
1. INSTALL 2 - 24" W FIXTURES CENTERED OVER SINK/MIRRORS. SEE ARCHITECTURAL FOR LOCATIONS, COORDINATE WITH FC.
2. CONNECT LIGHT TO EXG EXTERIOR LIGHTING CIRCUIT. PROVIDE UNSWITCHED POWER FOR BATTERY.



AREA C - LIGHTING DEMOLITION PLAN EXG SHOP
1/8" = 1'-0"



AREA C - CLASS ROOM'S LIGHTING PLAN
1/8" = 1'-0"



CO Arch OP

1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

601 Kansas City St. 7
Rapid City, SD 57701
Phone: 605-716-3652

440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

co-oparch.com

PDE

Professional Design
Engineers

48371 265th Street
Brandon, SD 57005
(605)582-5717 (605)941-3337

SE PROJECT NO: 241000845



ISSUE: 2/4/25 100% CD'S

REVISION SCHEDULE:

REV. #	REV. DSC.	REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
DEMO & PROPOSED - AREA C -
LIGHTING PLAN

E400.C

GENERAL NOTES:

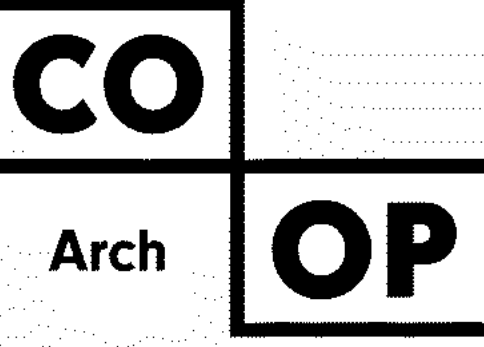
- A. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES, INCLUDING ANY NECESSARY DEMOLITION.
- B. REMOVE ELECTRICAL EQUIPMENT IN THE AREAS SHOWN ON THE PLAN. DISCONNECT CIRCUITS AND CONDUITS AND REMOVE TO A POINT OUT OF THE WAY OF THE GENERAL DEMOLITION. MARK ON THE PLAN TO CLEARLY SHOW WHERE THESE CIRCUITS ARE TAPPED. DISCONNECT THE POWER AND LIGHTING CIRCUITS IN THE PANELS TO ASSURE THAT THERE IS NO DANGER FROM ELECTRICAL SHOCK HAZARD PRESENT. DEMOLITION WORK SHALL BE COORDINATED WITH THE OWNER. SHOULD QUESTIONS ARISE REGARDING THE REMOVAL OF EQUIPMENT, CONFER WITH THE OWNER BEFORE SUCH EQUIPMENT IS DEMOLISHED. MATERIALS REMOVED BY DEMOLITION SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE SPECIFICALLY NOTED. MATERIAL THE OWNER DOES NOT WISH TO RETAIN SHALL BE REMOVED AND DISPOSED OF PROPERLY BY THE CONTRACTOR.
- C. EQUIPMENT SHOWN ON DRAWINGS AS EXISTING IS BASED ON EXISTING PLANS AND LIMITED FIELD INVESTIGATION. THE FIELD SURVEY WAS CONDUCTED TO VERIFY, AS MUCH AS POSSIBLE, THE ACCURACY OF THE LOCATIONS SHOWN. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THE "EXISTING CONDITIONS" AS SHOWN ON THE DRAWINGS AS THE DEMOLITION WORK PROGRESSES. PERFORM MODIFICATIONS AND ADDITIONS AS NECESSARY TO CORRECT FOR THESE HIDDEN CONDITIONS AND ALLOW FOR THE COMPLETION OF THE NEW WORK.
- D. THE EXISTING BUILDING WILL BE IN USE DURING THIS CONSTRUCTION. SCHEDULE AND CARRY OUT THE WORK IN SUCH A MANNER AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTIONS. TEMPORARY SERVICES SHALL BE INSTALLED IF ONE PHASE OF CONSTRUCTION DISRUPTS SERVICE TO ANOTHER AREA OF THE BUILDING OR IF EQUIPMENT HAS TO BE RELOCATED TO ALLOW CONSTRUCTION TO PROGRESS. SERVICE INTERRUPTIONS SHALL BE CONFINED TO THE SMALLEST AREA POSSIBLE AT ANY ONE TIME AND INTERRUPTIONS SHALL BE SCHEDULED WITH THE OWNER'S SITE REPRESENTATIVE. AFTER SERVICE HAS BEEN RESTORED FOLLOWING AN INTERRUPTION, INSPECT AREAS AFFECTED BY THE INTERRUPTION AND BE RESPONSIBLE FOR RETURNING AUTOMATICALLY CONTROLLED EQUIPMENT TO THE SAME OPERATING CONDITION WHICH EXISTED PRIOR TO THE INTERRUPTION.
- E. PROVIDE PENETRATIONS TO THE BUILDING STRUCTURE AS REQUIRED FOR INSTALLATION. WHERE EXISTING OR TEMPORARY SYSTEMS ARE BEING DEMOLISHED, WHICH LEAVE OPENINGS IN THE EXISTING BUILDING STRUCTURE, THE BUILDING STRUCTURE SHALL BE PATCHED TO MATCH THE EXISTING CONSTRUCTION AND MAINTAIN THE EXISTING BUILDING FIRE RATINGS.

DEMOLITION KEYNOTES:

- 1. TYPICAL - DISCONNECT AND REMOVE ALL LIGHTING DEVICES DARK AND DASHED SERVING THIS AREA. SALVAGE FIXTURES AND REINSTAT. SEE PROPOSED.

ELECTRICAL KEYNOTES:

- 1. TYPICAL - RE-SUPPORT AND RELOCATE FIXTURES AS NEEDED FOR CEILING WORK.



1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

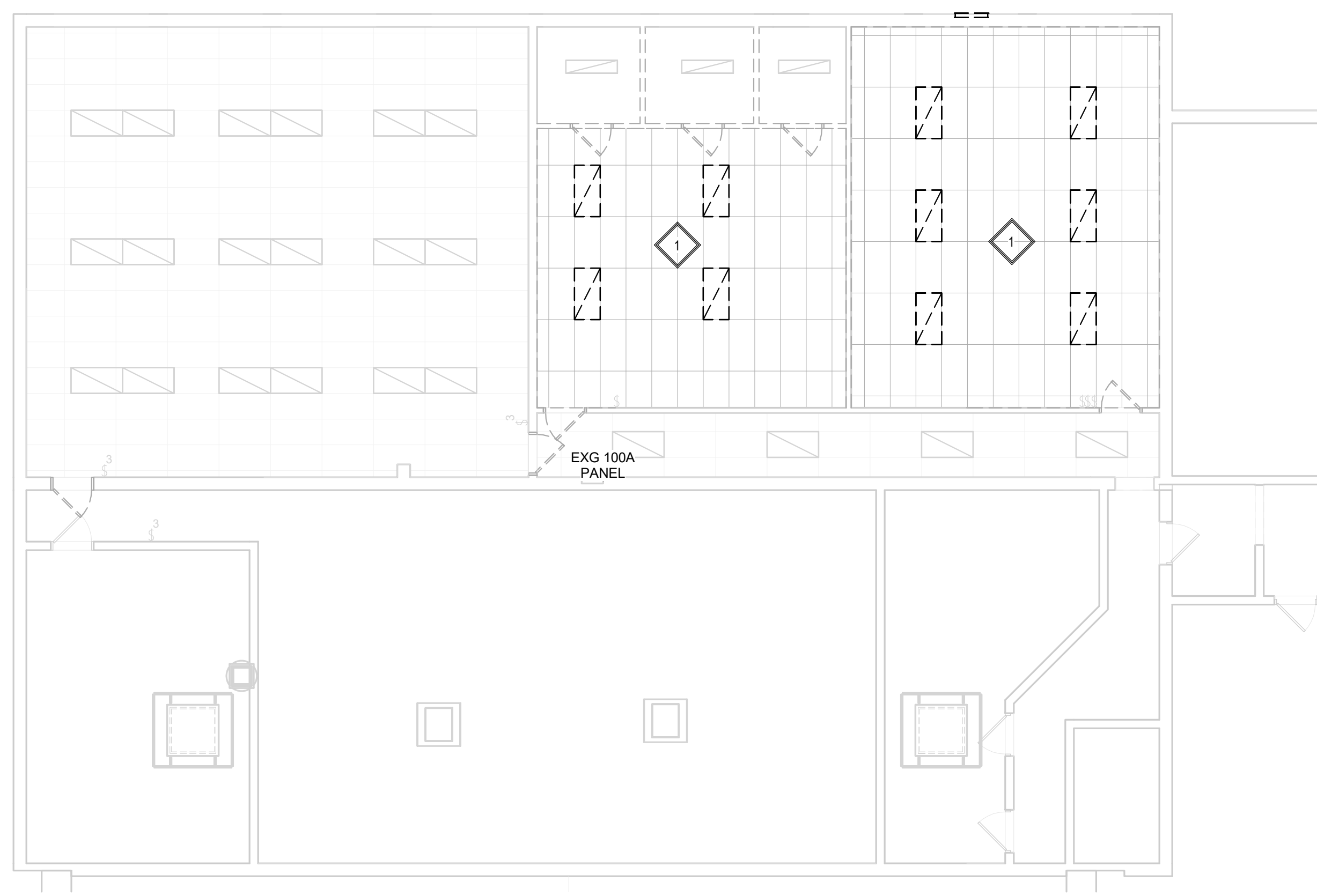
601 Kansas City St. 7
Rapid City, SD 57701
Phone: 605-716-3652

440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

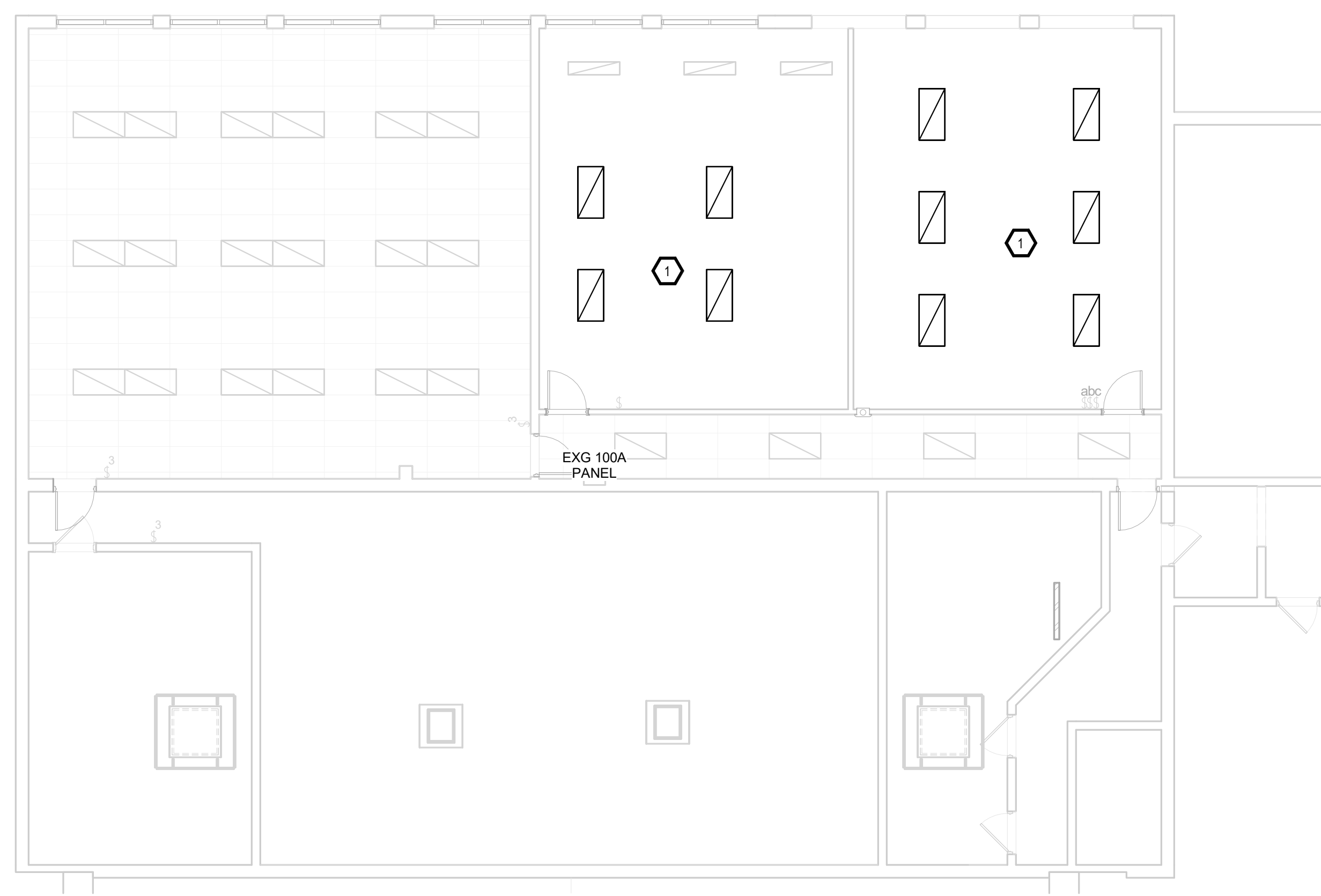
co-oparch.com



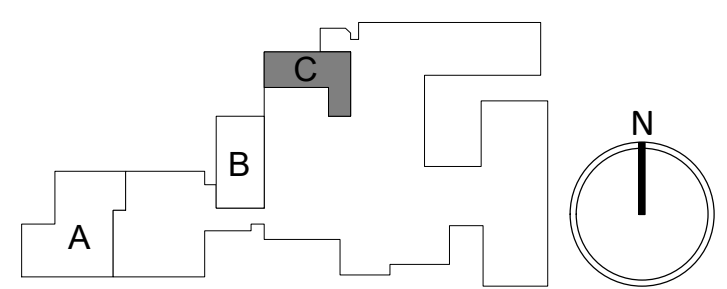
Professional Design Engineers
48371 265th Street
Brandon, SD 57005
(605)582-5717 (605)941-3337



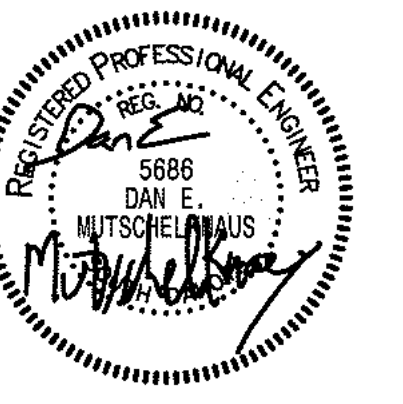
2ND FLOOR ELECTRIC LIGHTING DEMO
1/8" = 1'-0"



SECOND FLOOR - AREA C - LIGHTING PLAN
1/8" = 1'-0"



SE PROJECT NO: 241000845



ISSUE:
2/4/25 100% CD'S

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
DEMO & PROPOSED - AREA C
-SECOND FLOOR - LIGHTING
PLAN

E401.C

GENERAL NOTES:

- A. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES, INCLUDING ANY NECESSARY DEMOLITION.
- B. REMOVE ELECTRICAL EQUIPMENT IN THE AREAS SHOWN ON THE PLAN. DISCONNECT CIRCUITS AND CONDUITS AND REMOVE TO A POINT OUT OF THE WAY OF THE GENERAL DEMOLITION. MARK ON THE PLAN TO CLEARLY SHOW WHERE THESE CIRCUITS ARE TAPPED, DISCONNECT THE POWER AND LIGHTING CIRCUITS IN THE PANELS TO ASSURE THAT THERE IS NO DANGER FROM ELECTRICAL SHOCK HAZARD PRESENT. DEMOLITION WORK SHALL BE COORDINATED WITH THE OWNER. SHOULD QUESTIONS ARISE REGARDING THE REMOVAL OF EQUIPMENT, CONFER WITH THE OWNER BEFORE SUCH EQUIPMENT IS DEMOLISHED. MATERIALS REMOVED BY DEMOLITION SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE SPECIFICALLY NOTED. MATERIAL THE OWNER DOES NOT WISH TO RETAIN SHALL BE REMOVED AND DISPOSED OF PROPERLY BY THE CONTRACTOR.
- C. EQUIPMENT SHOWN ON DRAWINGS AS EXISTING IS BASED ON EXISTING PLANS AND LIMITED FIELD INVESTIGATION. THE FIELD SURVEY WAS CONDUCTED TO VERIFY, AS MUCH AS POSSIBLE, THE ACCURACY OF THE LOCATIONS SHOWN. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THE "EXISTING CONDITIONS" AS SHOWN ON THE DRAWINGS AS THE DEMOLITION WORK PROGRESSES. PERFORM MODIFICATIONS AND ADDITIONS AS NECESSARY TO CORRECT FOR THESE HIDDEN CONDITIONS AND ALLOW FOR THE COMPLETION OF THE NEW WORK.
- D. THE EXISTING BUILDING WILL BE IN USE DURING THIS CONSTRUCTION. SCHEDULE AND CARRY OUT THE WORK IN SUCH A MANNER AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTIONS. TEMPORARY SERVICES SHALL BE INSTALLED IF ONE PHASE OF CONSTRUCTION DISRUPTS SERVICE TO ANOTHER AREA OF THE BUILDING OR IF EQUIPMENT HAS TO BE RELOCATED TO ALLOW CONSTRUCTION TO PROGRESS. SERVICE INTERRUPTIONS SHALL BE CONFINED TO THE SMALLEST AREA POSSIBLE AT ANY ONE TIME AND INTERRUPTIONS SHALL BE SCHEDULED WITH THE OWNER'S SITE REPRESENTATIVE. AFTER SERVICE HAS BEEN RESTORED FOLLOWING AN INTERRUPTION, INSPECT AREAS AFFECTED BY THE INTERRUPTION AND BE RESPONSIBLE FOR RETURNING AUTOMATICALLY CONTROLLED EQUIPMENT TO THE SAME OPERATING CONDITION WHICH EXISTED PRIOR TO THE INTERRUPTION.
- E. PROVIDE PENETRATIONS TO THE BUILDING STRUCTURE AS REQUIRED FOR INSTALLATION. WHERE EXISTING OR TEMPORARY SYSTEMS ARE BEING DEMOLISHED, WHICH LEAVE OPENINGS IN THE EXISTING BUILDING STRUCTURE, THE BUILDING STRUCTURE SHALL BE PATCHED TO MATCH THE EXISTING CONSTRUCTION AND MAINTAIN THE EXISTING BUILDING FIRE RATINGS.

DEMOLITION KEYNOTES:

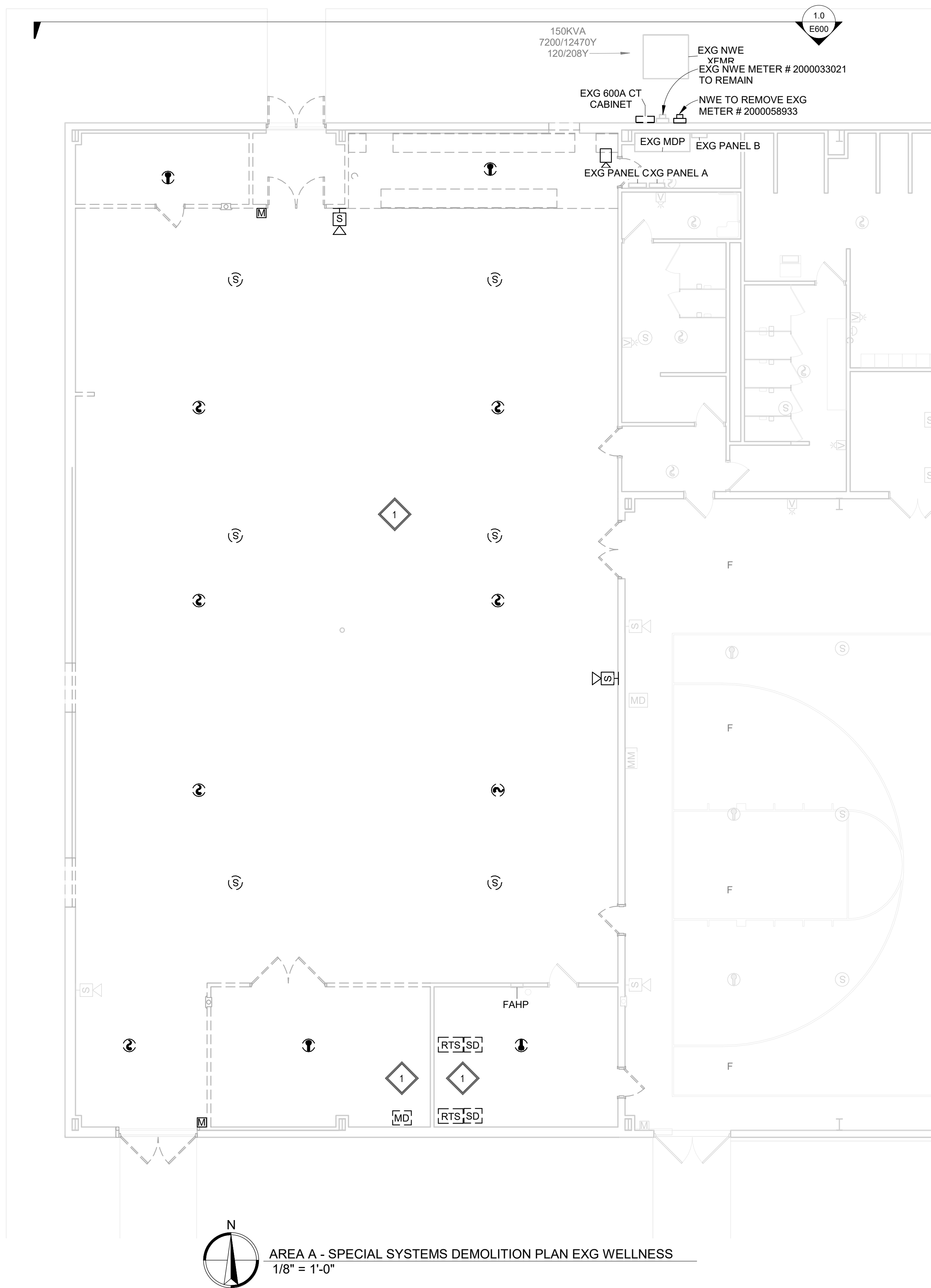
- 1. TYPICAL: DISCONNECT AND REMOVE ALL EXG FIRE ALARM DEVICES AS SHOWN DARK AND DASHED SERVING THIS AREA.

ELECTRICAL KEYNOTES:

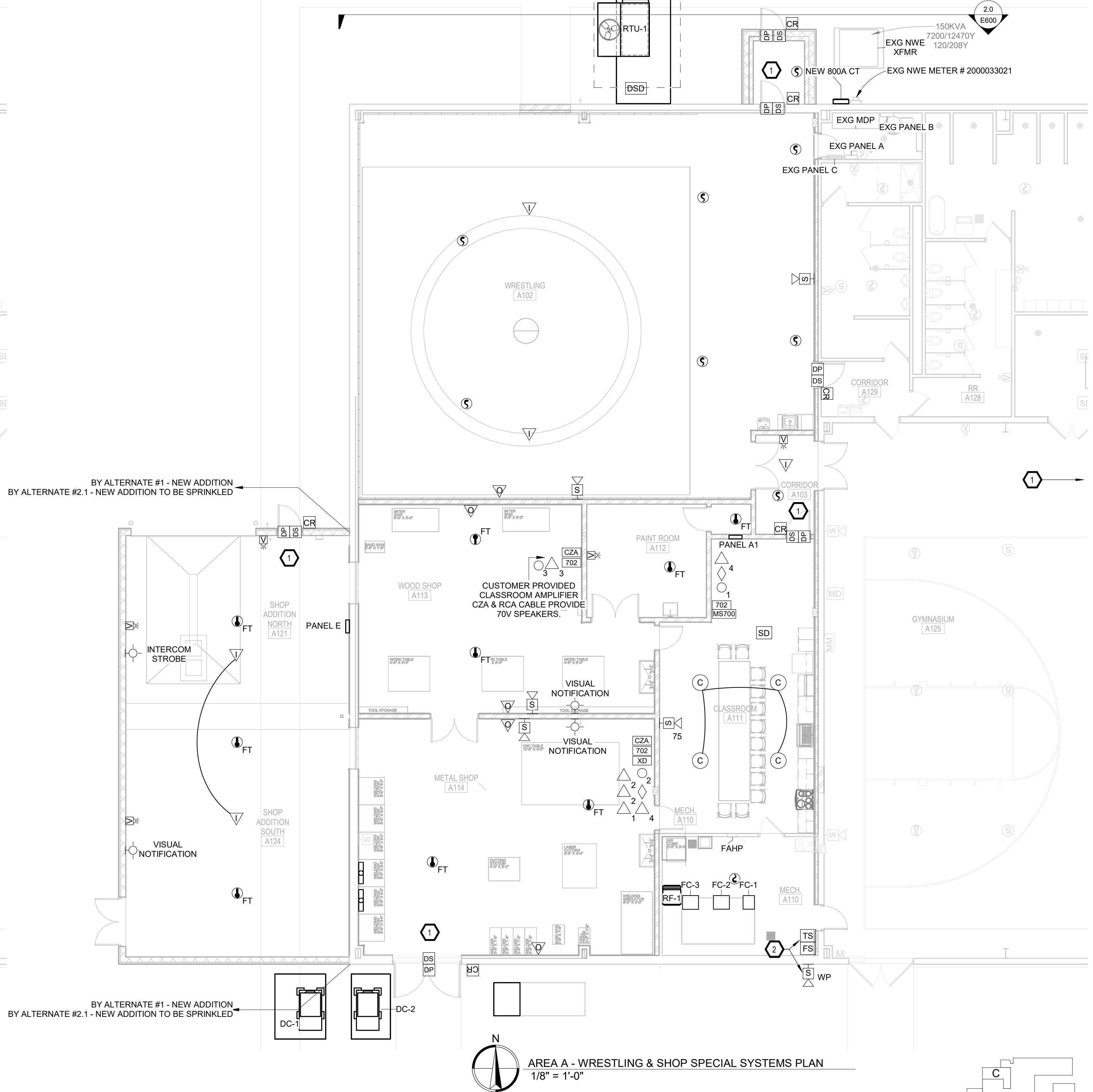
- 1. TYPICAL: PROVIDE NEW CARD ACCESS SYSTEM TO DOORS AS SHOWN TO EXG DOOR ACCESS SYSTEM IN ROOM "STORAGE B120" SEE E500.B - AREA B. COORDINATE CABLING REQUIREMENTS WITH EQUIPMENT SUPPLIER. CONTACT ITS INTEGRATED TECHNOLOGY & SECURITY, HARTFORD SD, (605) 321-8827.
- 2. BY ADD ALTERNATE #2 - PROVIDE & INSTALL HORN STROBE & ALL WIRING AND CONNECTIONS TO TAMPER AND FLOW SWITCH PRIOR TO ROUGH-IN. COORDINATE WITH FIRE PROTECTION CONTRACTOR FOR LOCATIONS AND QUANTITY.

AUDIO ENHANCEMENTS KEYNOTES:

- C CLASSROOM LOUDSPEAKER 2X2 FS-21
- L LAY-IN LOUDSPEAKER SP-0300
- HORN SP-1091
- INDOOR HORN SP-1078
- TEACHER & STUDENT MICROPHONE BOX
- 50' 3.5mm CABLE
- 50' CAT6 PURPLE CABLE
- RCA ADAPTER AC-2058
- WIRING KITS OPTIMAL CK-4011
- 50' 22/2 AC-0014
- CHANNEL 300W CZA AMPLIFIER
- 702 702 WALL PLATE
- MS700 MS700
- XD XD RECEIVER
- CLASSROOM COUNTER
- CZA CLASSROOM
- CZA CLASSROOM EXISTING AMPLIFIER



AREA A - SPECIAL SYSTEMS DEMOLITION PLAN EXG WELLNESS
1/8" = 1'-0"



AREA A - WRESTLING & SHOP SPECIAL SYSTEMS PLAN
1/8" = 1'-0"

CO

Arch

OP

1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

601 Kansas City St. 7
Rapid City, SD 57701
Phone: 605-716-3652

440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

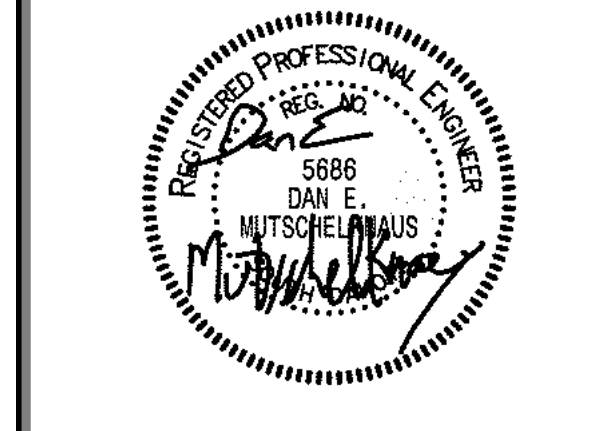
co-oparch.com

PDE

Professional Design
Engineers

48371 265th Street
Brandon, SD 57005
(605)582-5717 (605)941-3337

SE PROJECT NO: 241000845



ISSUE:
2/4/25 100% CD'S

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
DEMO & PROPOSED - AREA A -
SPECIAL SYSTEMS PLAN

E500.A

GENERAL NOTES:

- A. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES, INCLUDING ANY NECESSARY DEMOLITION.
- B. REMOVE ELECTRICAL EQUIPMENT IN THE AREAS SHOWN ON THE PLAN. DISCONNECT CIRCUITS AND CONDUITS AND REMOVE TO A POINT OUT OF THE WAY OF THE GENERAL DEMOLITION. MARK ON THE PLAN TO CLEARLY SHOW WHERE THESE CIRCUITS ARE TAPPED. DISCONNECT THE POWER AND LIGHTING CIRCUITS IN THE PANELS TO ASSURE THAT THERE IS NO DANGER FROM ELECTRICAL SHOCK HAZARD PRESENT. DEMOLITION WORK SHALL BE COORDINATED WITH THE OWNER. SHOULD QUESTIONS ARISE REGARDING THE REMOVAL OF EQUIPMENT, CONFER WITH THE OWNER BEFORE SUCH EQUIPMENT IS DEMOLISHED. MATERIALS REMOVED BY DEMOLITION SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE SPECIFICALLY NOTED. MATERIAL THE OWNER DOES NOT WISH TO RETAIN SHALL BE REMOVED AND DISPOSED OF PROPERLY BY THE CONTRACTOR.
- C. EQUIPMENT SHOWN ON DRAWINGS AS EXISTING IS BASED ON EXISTING PLANS AND LIMITED FIELD INVESTIGATION. THE FIELD SURVEY WAS CONDUCTED TO VERIFY, AS MUCH AS POSSIBLE, THE ACCURACY OF THE LOCATIONS SHOWN. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THE "EXISTING CONDITIONS" AS SHOWN ON THE DRAWINGS AS THE DEMOLITION WORK PROGRESSES. PERFORM MODIFICATIONS AND ADDITIONS AS NECESSARY TO CORRECT FOR THESE HIDDEN CONDITIONS AND ALLOW FOR THE COMPLETION OF THE NEW WORK.
- D. THE EXISTING BUILDING WILL BE IN USE DURING THIS CONSTRUCTION. SCHEDULE AND CARRY OUT THE WORK IN SUCH A MANNER AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTIONS. TEMPORARY SERVICES SHALL BE INSTALLED IF ONE PHASE OF CONSTRUCTION DISRUPTS SERVICE TO ANOTHER AREA OF THE BUILDING OR IF EQUIPMENT HAS TO BE RELOCATED TO ALLOW CONSTRUCTION TO PROGRESS. SERVICE INTERRUPTIONS SHALL BE CONFINED TO THE SMALLEST AREA POSSIBLE AT ANY ONE TIME AND INTERRUPTIONS SHALL BE SCHEDULED WITH THE OWNER'S SITE REPRESENTATIVE. AFTER SERVICE HAS BEEN RESTORED FOLLOWING AN INTERRUPTION, INSPECT AREAS AFFECTED BY THE INTERRUPTION AND BE RESPONSIBLE FOR RETURNING AUTOMATICALLY CONTROLLED EQUIPMENT TO THE SAME OPERATING CONDITION WHICH EXISTED PRIOR TO THE INTERRUPTION.
- E. PROVIDE PENETRATIONS TO THE BUILDING STRUCTURE AS REQUIRED FOR INSTALLATION. WHERE EXISTING OR TEMPORARY SYSTEMS ARE BEING DEMOLISHED, WHICH LEAVE OPENINGS IN THE EXISTING BUILDING STRUCTURE, THE BUILDING STRUCTURE SHALL BE PATCHED TO MATCH THE EXISTING CONSTRUCTION AND MAINTAIN THE EXISTING BUILDING FIRE RATINGS.

DEMOLITION KEYNOTES:

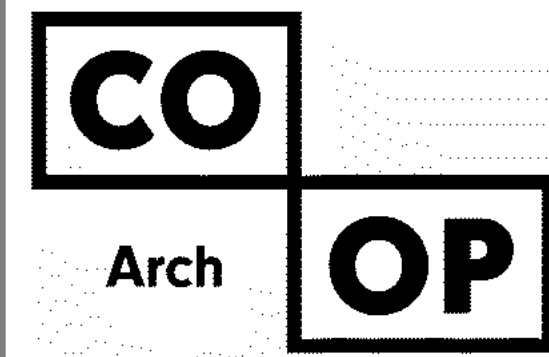
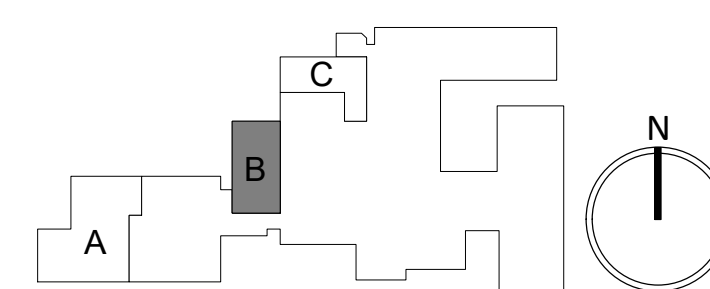
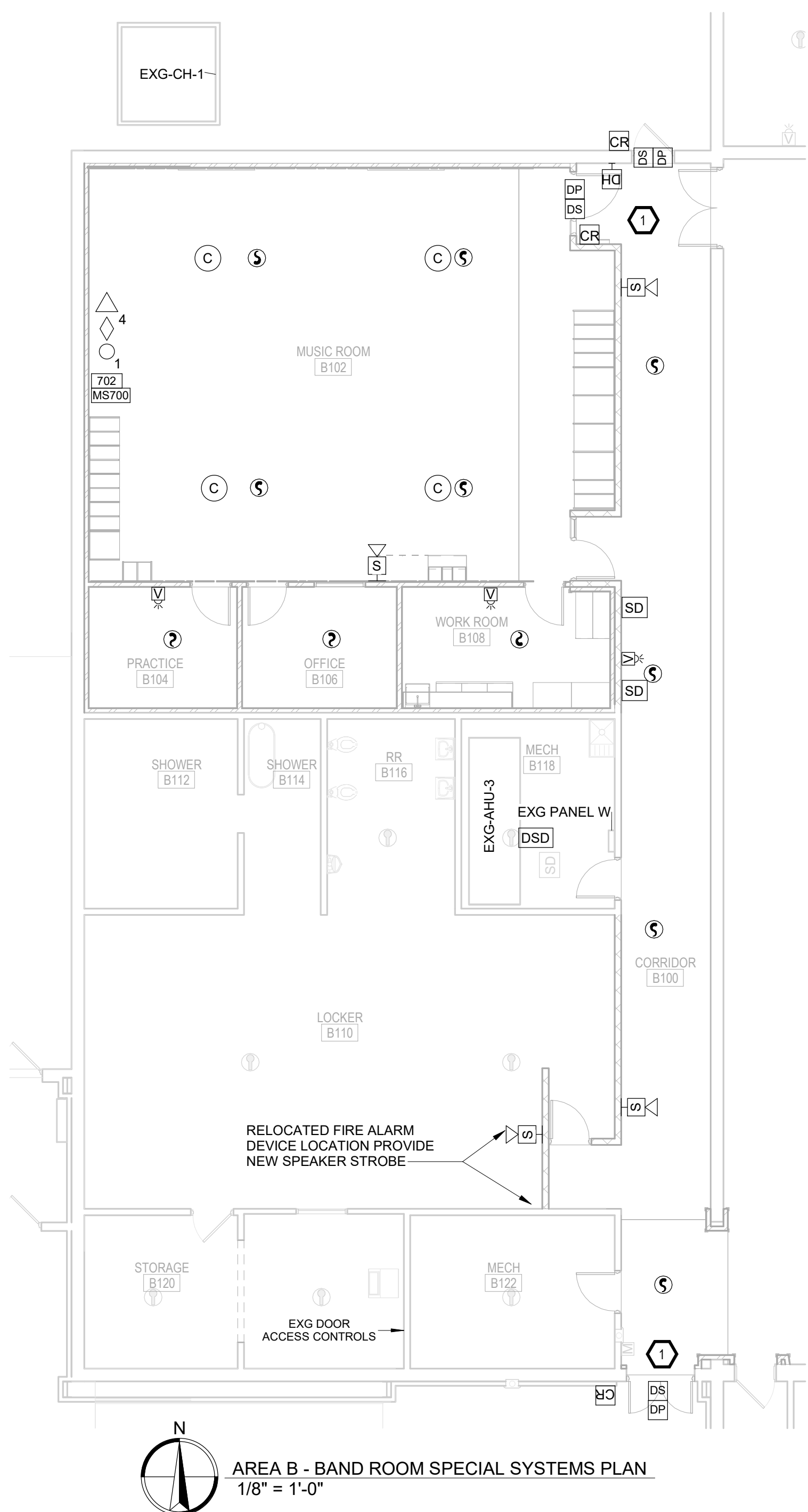
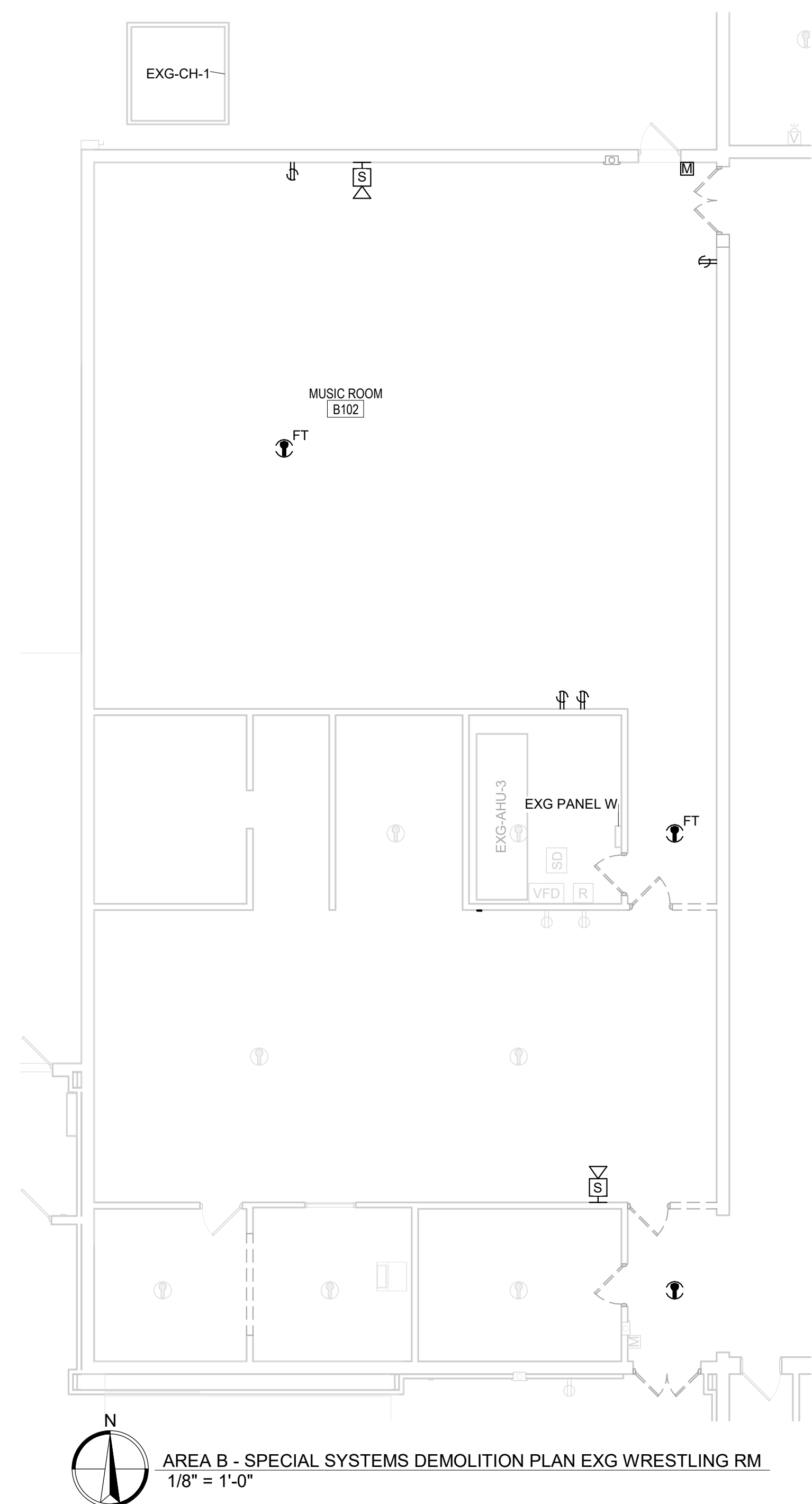
- 1. TYPICAL: DISCONNECT AND REMOVE ALL EXG FIRE ALARM DEVICES AS SHOWN DARK AND DASHED SERVING THIS AREA.

ELECTRICAL KEYNOTES:

- 1. TYPICAL: PROVIDE NEW CARD ACCESS SYSTEM TO DOORS AS SHOWN TO EXG DOOR ACCESS SYSTEM IN ROOM STORAGE B120 IN THIS AREA. COORDINATE CABLING REQUIREMENTS WITH EQUIPMENT SUPPLIER. CONTACT ITS INTEGRATED TECHNOLOGY & SECURITY, HARTFORD SD, (605) 321-8827.

AUDIO ENHANCEMENTS KEYNOTES:

- C CLASSROOM LOUDSPEAKER 2X2 FS-21
- L LAY-IN LOUDSPEAKER SP-0300
- HORN SP-1091
- INDOOR HORN SP-1078
- TEACHER & STUDENT MICROPHONE BOX
- 50' 3.5mm CABLE
- 50' CAT6 PURPLE CABLE
- RCA ADAPTER AC-2058
- WIRING KITS OPTIMAL CK-4011
- 50' 22/2 AC-0014
- CHANNEL 300W CZA AMPLIFIER
- 702 702 WALL PLATE
- MS700 MS700
- XD XD RECEIVER
- CLASSROOM COUNTER
- CZA CLASSROM
- CZA CLASSROOM EXISTING AMPLIFIER



1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

601 Kansas City St. 7
Rapid City, SD 57701
Phone: 605-716-3652

440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

co-oparch.com



Professional Design Engineers
48371 265th Street
Brandon, SD 57005
(605)582-5717 (605)941-3337

SE PROJECT NO: 241000845



ISSUE:
2/4/25 100% CD'S
REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
DEMO & PROPOSED - AREA B -
SPECIAL SYSTEMS PLAN

E500.B

DEMOLITION KEYNOTES:

1. TYPICAL: DISCONNECT AND REMOVE ALL EXG FIRE ALARM DEVICES AS SHOWN DARK AND DASHED SERVING THIS AREA.

GENERAL NOTES:

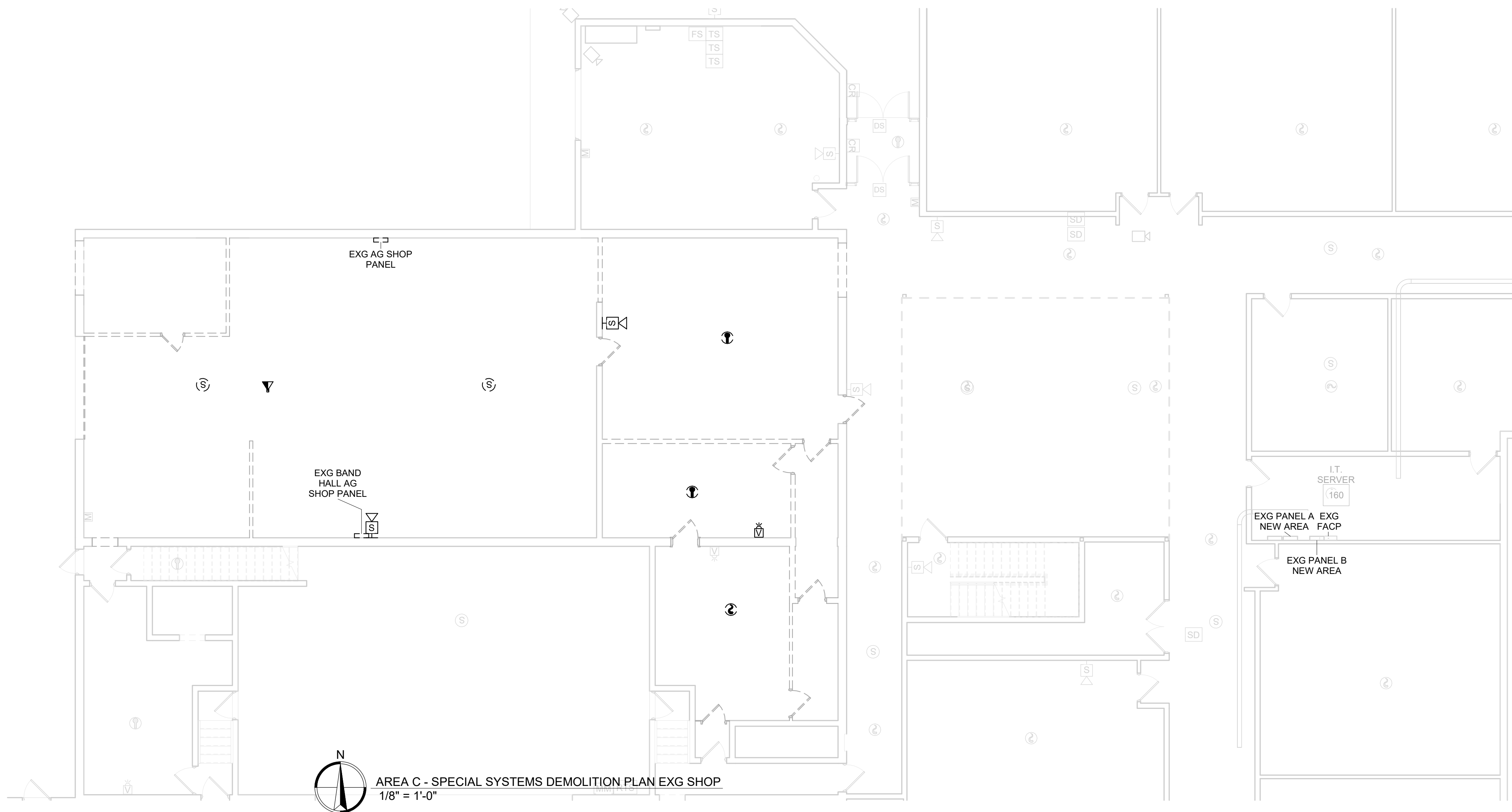
- CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES, INCLUDING ANY NECESSARY DEMOLITION.
- REMOVE ELECTRICAL EQUIPMENT IN THE AREAS SHOWN ON THE PLAN, DISCONNECT CIRCUITS AND CONDUITS AND REMOVE TO A POINT OUT OF THE WAY OF THE GENERAL DEMOLITION. MARK ON THE PLAN TO CLEARLY SHOW WHERE THESE CIRCUITS ARE TAPPED. DISCONNECT THE POWER AND LIGHTING CIRCUITS IN THE PANELS TO ASSURE THAT THERE IS NO DANGER FROM ELECTRICAL SHOCK HAZARD PRESENT. DEMOLITION WORK SHALL BE COORDINATED WITH THE OWNER. SHOULD QUESTIONS ARISE REGARDING THE REMOVAL OF EQUIPMENT, CONFERENCE WITH THE OWNER BEFORE SUCH EQUIPMENT IS DEMOLISHED. MATERIALS REMOVED BY DEMOLITION SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE SPECIFICALLY NOTED. MATERIAL THE OWNER DOES NOT WISH TO RETAIN SHALL BE REMOVED AND DISPOSED OF PROPERLY BY THE CONTRACTOR.
- EQUIPMENT SHOWN ON DRAWINGS AS EXISTING IS BASED ON EXISTING PLANS AND LIMITED FIELD INVESTIGATION. THE FIELD SURVEY WAS CONDUCTED TO VERIFY, AS MUCH AS POSSIBLE, THE ACCURACY OF THE LOCATIONS SHOWN. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THE "EXISTING CONDITIONS" AS SHOWN ON THE DRAWINGS AS THE DEMOLITION WORK PROGRESSES. PERFORM MODIFICATIONS AND ADDITIONS AS NECESSARY TO CORRECT FOR THESE HIDDEN CONDITIONS AND ALLOW FOR THE COMPLETION OF THE NEW WORK.
- THE EXISTING BUILDING WILL BE IN USE DURING THIS CONSTRUCTION. SCHEDULE AND CARRY OUT THE WORK IN SUCH A MANNER AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTIONS. TEMPORARY SERVICES SHALL BE INSTALLED IF ONE PHASE OF CONSTRUCTION DISRUPTS SERVICE TO ANOTHER AREA OF THE BUILDING OR IF EQUIPMENT HAS TO BE RELOCATED TO ALLOW CONSTRUCTION TO PROGRESS. SERVICE INTERRUPTIONS SHALL BE CONFINED TO THE SMALLEST AREA POSSIBLE AT ANY ONE TIME AND INTERRUPTIONS SHALL BE SCHEDULED WITH THE OWNER'S SITE REPRESENTATIVE. AFTER SERVICE HAS BEEN RESTORED FOLLOWING AN INTERRUPTION, INSPECT AREAS AFFECTED BY THE INTERRUPTION AND BE RESPONSIBLE FOR RETURNING AUTOMATICALLY CONTROLLED EQUIPMENT TO THE SAME OPERATING CONDITION, WHICH EXISTED PRIOR TO THE INTERRUPTION.
- PROVIDE PENETRATIONS TO THE BUILDING STRUCTURE AS REQUIRED FOR INSTALLATION. WHERE EXISTING OR TEMPORARY SYSTEMS ARE BEING DEMOLISHED, WHICH LEAVE OPENINGS IN THE EXISTING BUILDING STRUCTURE, THE BUILDING STRUCTURE SHALL BE PATCHED TO MATCH THE EXISTING CONSTRUCTION AND MAINTAIN THE EXISTING BUILDING FIRE RATINGS.

ELECTRICAL KEYNOTES:

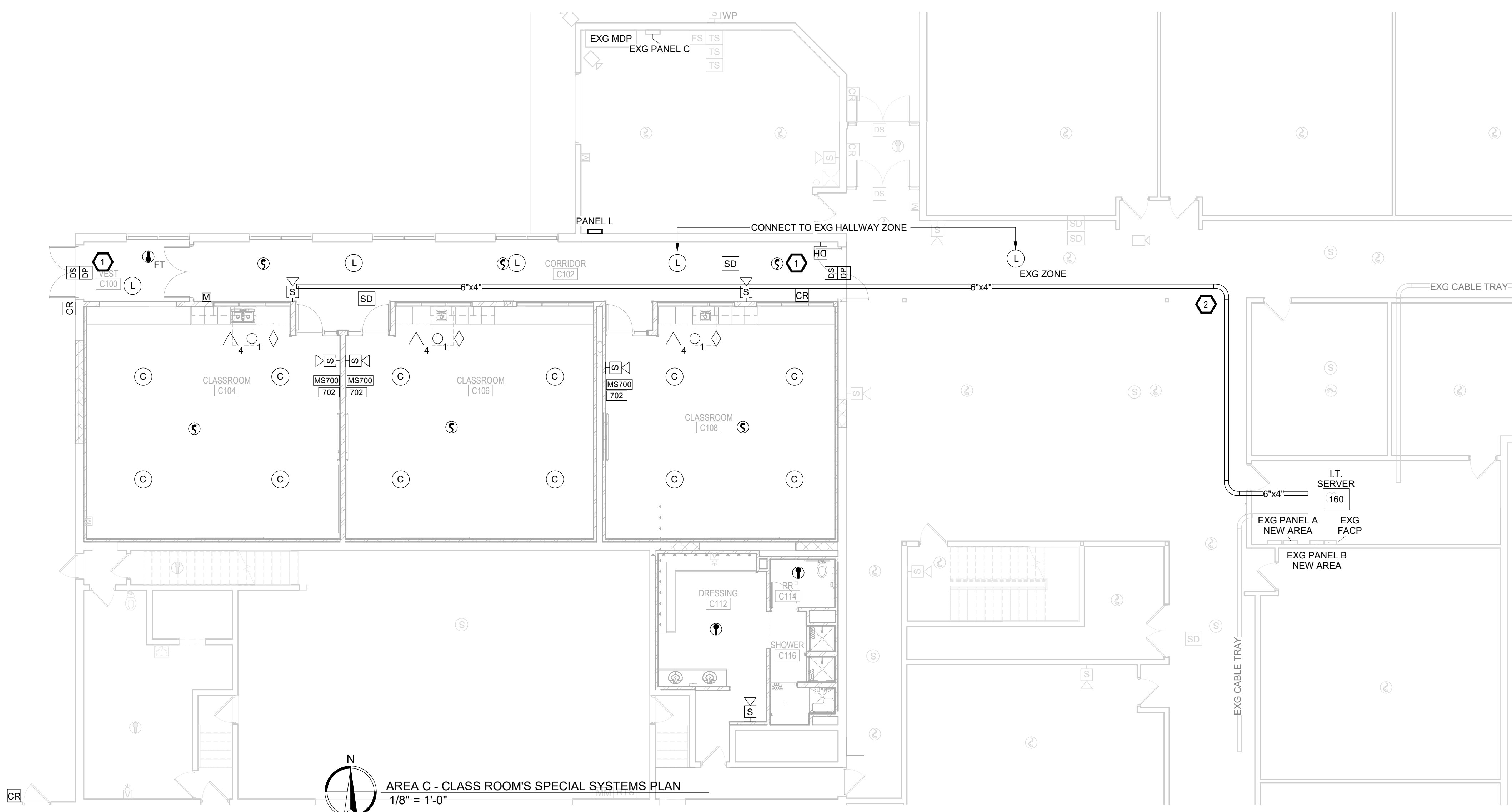
1. TYPICAL: PROVIDE NEW CARD ACCESS SYSTEM TO DOORS AS SHOWN TO EXG DOOR ACCESS SYSTEM IN ROOM IT SERVER 160 IN THIS AREA. COORDINATE CABLING REQUIREMENTS WITH EQUIPMENT SUPPLIER. CONTACT (ITS) INTEGRATED TECHNOLOGY & SECURITY, HARTFORD SD, (605) 321-9857.
2. 201 SERIES TRAY 6.25" DEEP CM 201-425-9, OR EQUAL. PROVIDE CABLE TRAY WITH ALL APPROPRIATE FITTINGS TO MAKE T'S AND ELBOWS.

AUDIO ENHANCEMENTS KEYNOTES:

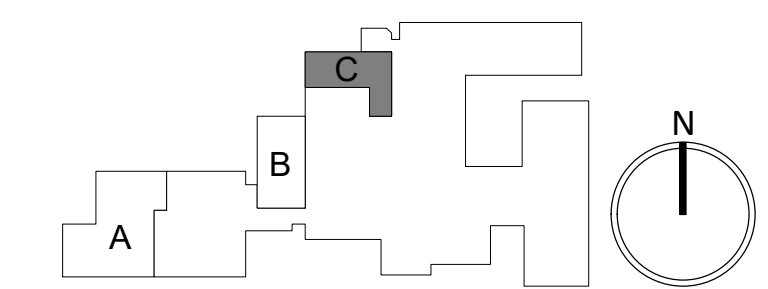
- C CLASSROOM LOUDSPEAKER 2X2 FS-21
- L LAY-IN LOUDSPEAKER SP-0300
- HORN SP-1091
- INDOOR HORN SP-1078
- TEACHER & STUDENT MICROPHONE BOX
- 50' 3.5mm CABLE
- 50' CAT6 PURPLE CABLE
- RCA ADAPTER AC-2058
- WIRING KITS OPTIMAL CK-4011
- 50' 22/2 AC-0014
- CHANNEL 300W CZA AMPLIFIER
- 702 WALL PLATE
- MS700 MS700
- XD RECEIVER
- CLASSROOM COUNTER
- CZA CLASSROOM
- CZA CLASSROOM EXISTING AMPLIFIER



AREA C - SPECIAL SYSTEMS DEMOLITION PLAN EXG SHOP
1/8" = 1'-0"



AREA C - CLASSROOM'S SPECIAL SYSTEMS PLAN
1/8" = 1'-0"



CO Arch OP

1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

601 Kansas City St. 7
Rapid City, SD 57701
Phone: 605-716-3652

440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

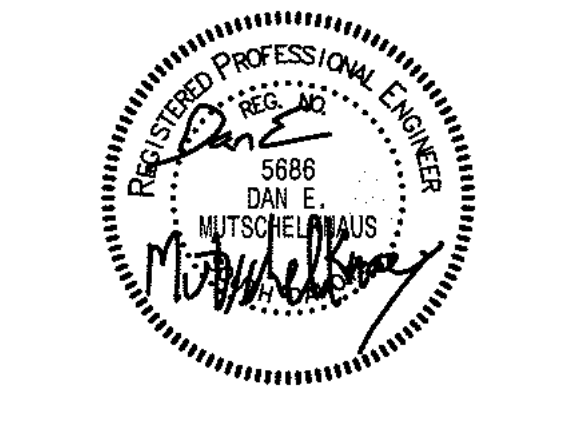
co-oparch.com

PDE

Professional Design
Engineers

48371 265th Street
Brandon, SD 57005
(605)582-5717 (605)941-3337

SE PROJECT NO: 241000845



ISSUE:
2/4/25 100% CD'S

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
DEMO & PROPOSED - AREA C -
SPECIAL SYSTEMS PLAN

E500.C

GENERAL NOTES:

- A. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES, INCLUDING ANY NECESSARY DEMOLITION.
- B. REMOVE ELECTRICAL EQUIPMENT IN THE AREAS SHOWN ON THE PLAN. DISCONNECT CIRCUITS AND CONDUITS AND REMOVE TO A POINT OUT OF THE WAY OF THE GENERAL DEMOLITION. MARK ON THE PLAN TO CLEARLY SHOW WHERE THESE CIRCUITS ARE TAPPED. DISCONNECT THE POWER AND LIGHTING CIRCUITS IN THE PANELS TO ASSURE THAT THERE IS NO DANGER FROM ELECTRICAL SHOCK HAZARD PRESENT. DEMOLITION WORK SHALL BE COORDINATED WITH THE OWNER. SHOULD QUESTIONS ARISE REGARDING THE REMOVAL OF EQUIPMENT, CONFER WITH THE OWNER BEFORE SUCH EQUIPMENT IS DEMOLISHED. MATERIALS REMOVED BY DEMOLITION SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE SPECIFICALLY NOTED. MATERIAL THE OWNER DOES NOT WISH TO RETAIN SHALL BE REMOVED AND DISPOSED OF PROPERLY BY THE CONTRACTOR.
- C. EQUIPMENT SHOWN ON DRAWINGS AS EXISTING IS BASED ON EXISTING PLANS AND LIMITED FIELD INVESTIGATION. THE FIELD SURVEY WAS CONDUCTED TO VERIFY, AS MUCH AS POSSIBLE, THE ACCURACY OF THE LOCATIONS SHOWN. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THE "EXISTING CONDITIONS" AS SHOWN ON THE DRAWINGS AS THE DEMOLITION WORK PROGRESSES. PERFORM MODIFICATIONS AND ADDITIONS AS NECESSARY TO CORRECT FOR THESE HIDDEN CONDITIONS AND ALLOW FOR THE COMPLETION OF THE NEW WORK.
- D. THE EXISTING BUILDING WILL BE IN USE DURING THIS CONSTRUCTION. SCHEDULE AND CARRY OUT THE WORK IN SUCH A MANNER AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTIONS. TEMPORARY SERVICES SHALL BE INSTALLED IF ONE PHASE OF CONSTRUCTION DISRUPTS SERVICE TO ANOTHER AREA OF THE BUILDING OR IF EQUIPMENT HAS TO BE RELOCATED TO ALLOW CONSTRUCTION TO PROGRESS. SERVICE INTERRUPTIONS SHALL BE CONFINED TO THE SMALLEST AREA POSSIBLE AT ANY ONE TIME AND INTERRUPTIONS SHALL BE SCHEDULED WITH THE OWNER'S SITE REPRESENTATIVE. AFTER SERVICE HAS BEEN RESTORED FOLLOWING AN INTERRUPTION, INSPECT AREAS AFFECTED BY THE INTERRUPTION AND BE RESPONSIBLE FOR RETURNING AUTOMATICALLY CONTROLLED EQUIPMENT TO THE SAME OPERATING CONDITION WHICH EXISTED PRIOR TO THE INTERRUPTION.
- E. PROVIDE PENETRATIONS TO THE BUILDING STRUCTURE AS REQUIRED FOR INSTALLATION. WHERE EXISTING OR TEMPORARY SYSTEMS ARE BEING DEMOLISHED, WHICH LEAVE OPENINGS IN THE EXISTING BUILDING STRUCTURE, THE BUILDING STRUCTURE SHALL BE PATCHED TO MATCH THE EXISTING CONSTRUCTION AND MAINTAIN THE EXISTING BUILDING FIRE RATINGS.

DEMOLITION KEYNOTES:

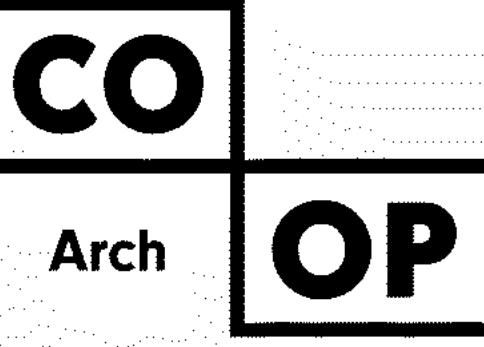
- 1. TYPICAL: DISCONNECT, REMOVE AND SALVAGE FIRE ALARM DEVICES. TO BE REINSTALLED, SEE PROPOSED.

ELECTRICAL KEYNOTES:

- 1. REINSTALL SALVAGED FIRE ALARM DEVICES.

AUDIO ENHANCEMENTS KEYNOTES:

- C CLASSROOM LOUDSPEAKER 2X2 FS-21
- L LAY-IN LOUDSPEAKER SP-0300
- H HORN SP-1091
- I INDOOR HORN SP-1078
- M TEACHER & STUDENT MICROPHONE BOX
- 1 50' 3.5mm CABLE
- 2 50' CAT6 PURPLE CABLE
- 3 RCA ADAPTER AC-2058
- 4 WIRING KITS OPTIMAL CK-4011
- 50' 2222 AC-0014
- CA CHANNEL 300W CZA AMPLIFIER
- 702 702 WALL PLATE
- MS700 MS700
- XD XD RECEIVER
- 1 CLASSROOM COUNTER
- 2 CZA CLASSROOM
- 3 CZA CLASSROOM EXISTING AMPLIFIER



1108 S. Main St. 102
Aberdeen, SD 57401
Phone: 605-725-4852

601 Kansas City St. 7
Rapid City, SD 57701
Phone: 605-716-3652

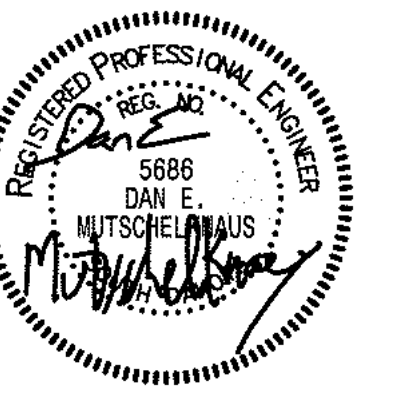
440 E. 8th St. 221
Sioux Falls, SD 57103
Phone: 605-334-9999

co-oparch.com



Professional Design Engineers
48371 265th Street
Brandon, SD 57005
(605)582-5717 (605)941-3337

SE PROJECT NO: 241000845



ISSUE:
2/4/25 100% CD'S

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

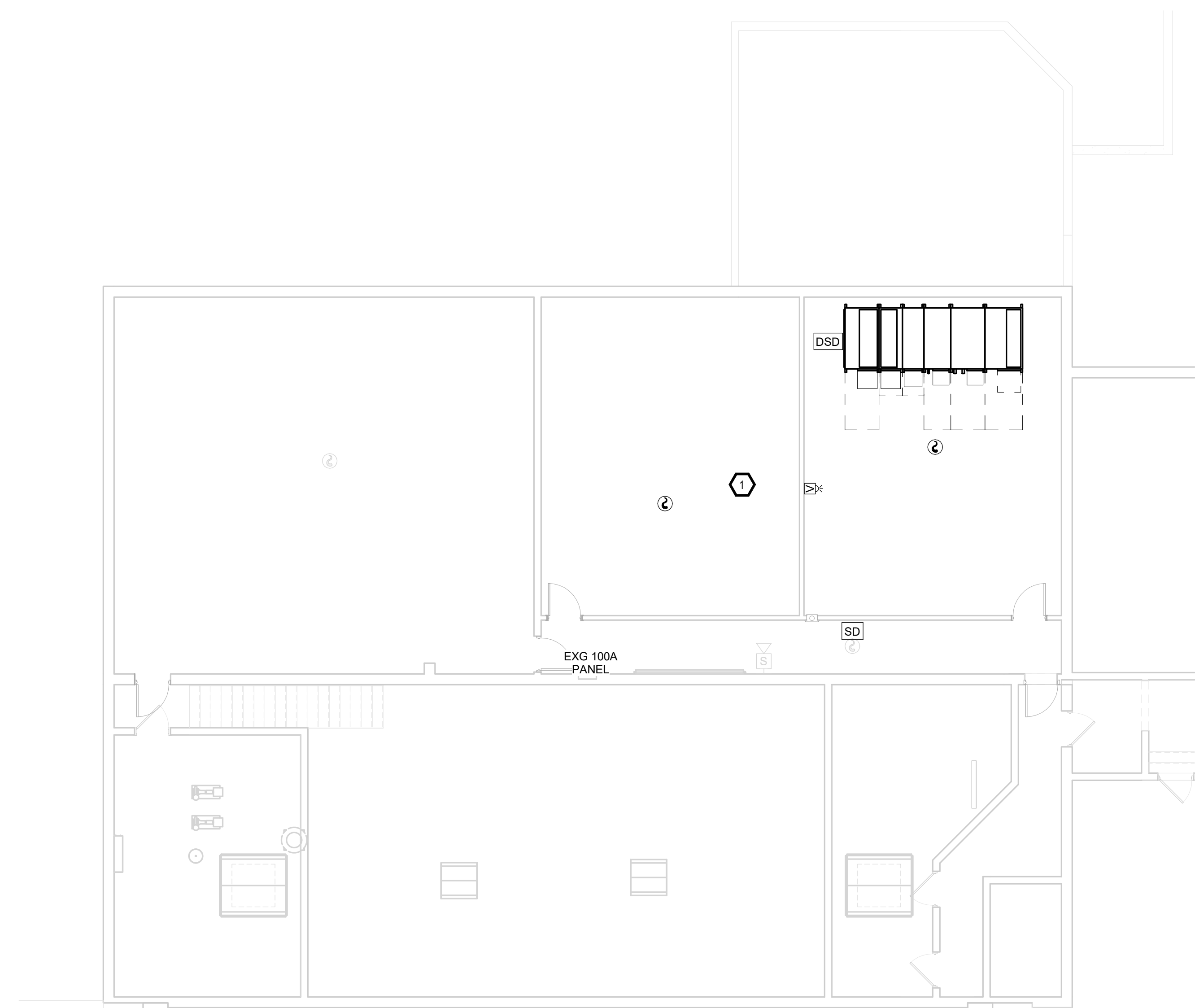
PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
DEMO & PROPOSED - AREA C -
SECOND FLOOR - SPECIAL
SYSTEMS PLAN

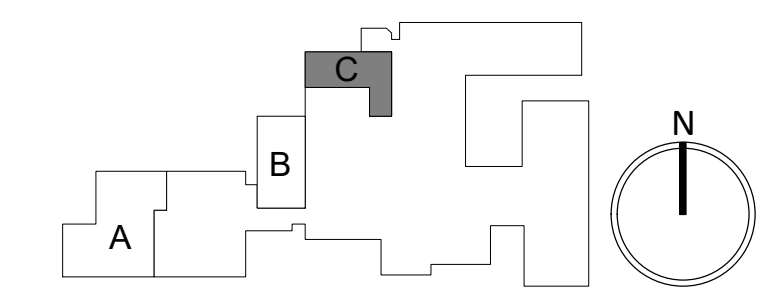
E501.C

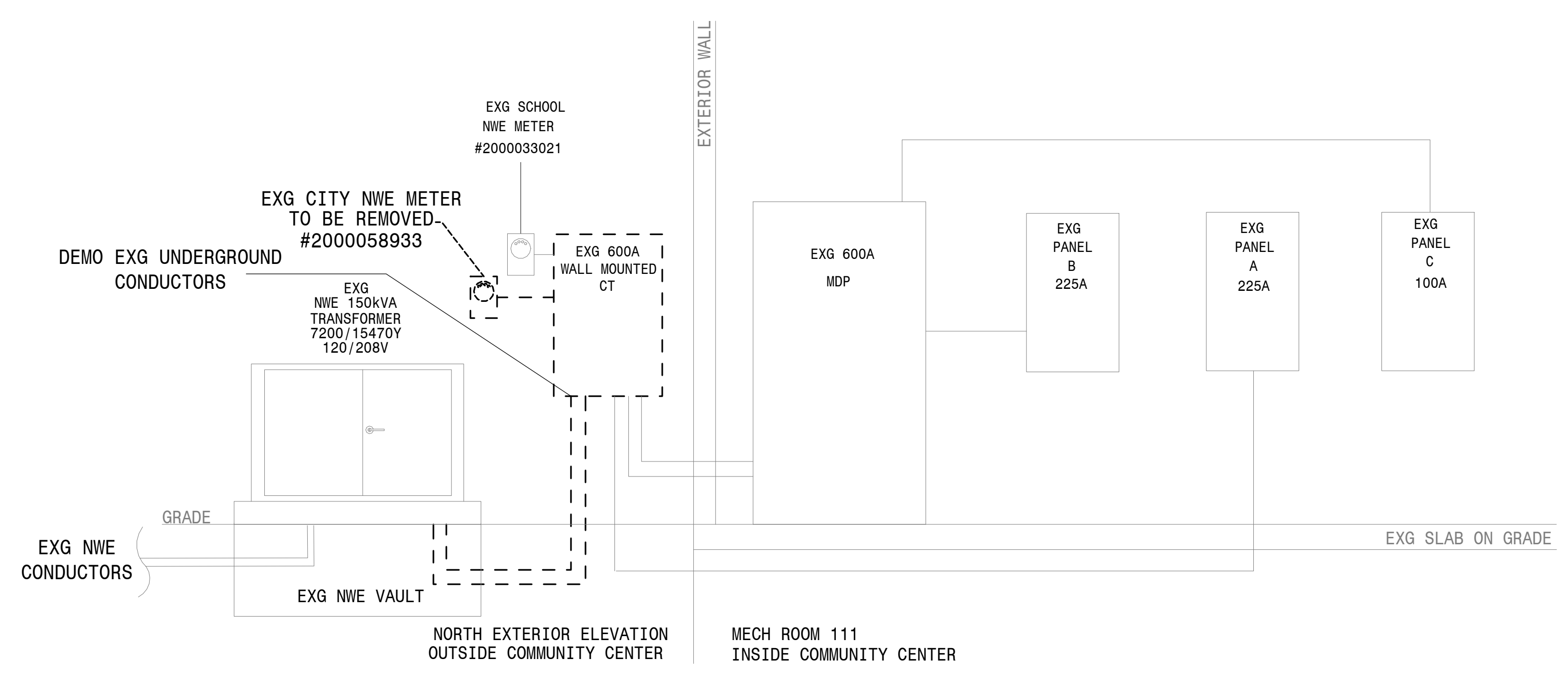


SECOND FLOOR - AREA C - SPECIAL SYSTEMS DEMOLITION PLAN
1/8" = 1'-0"

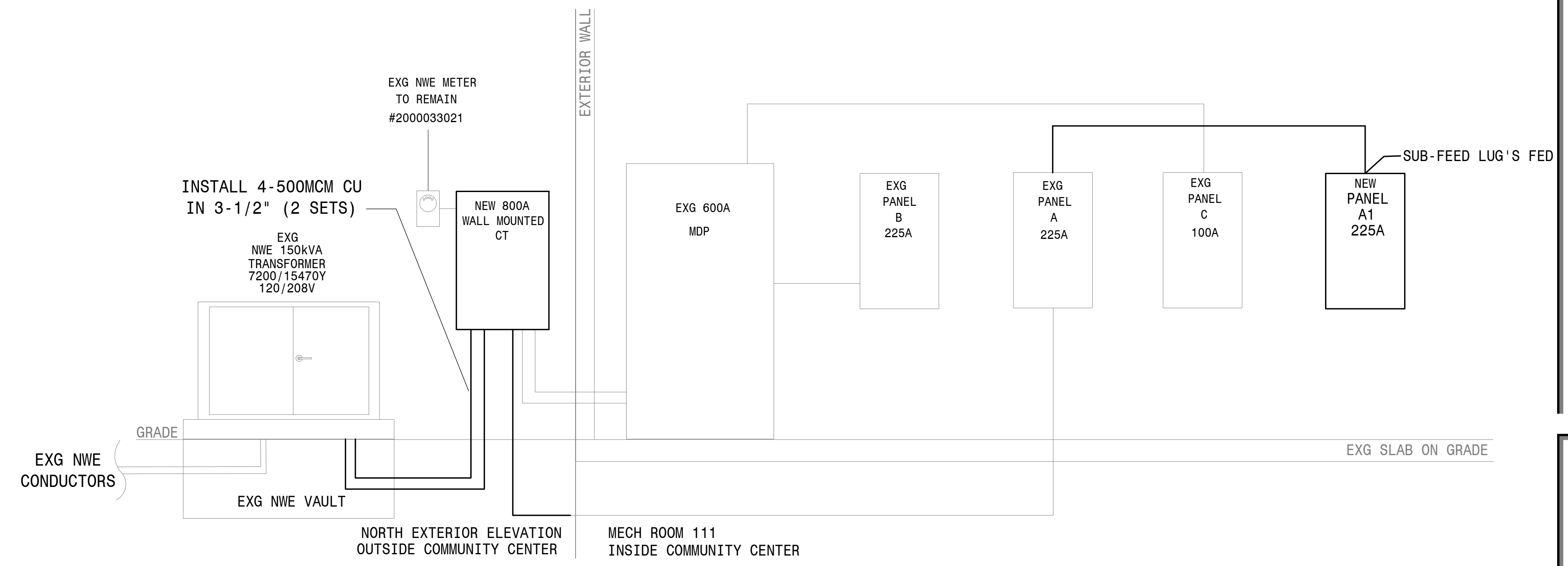


SECOND FLOOR - SPECIAL SYSTEMS PLAN
1/8" = 1'-0"

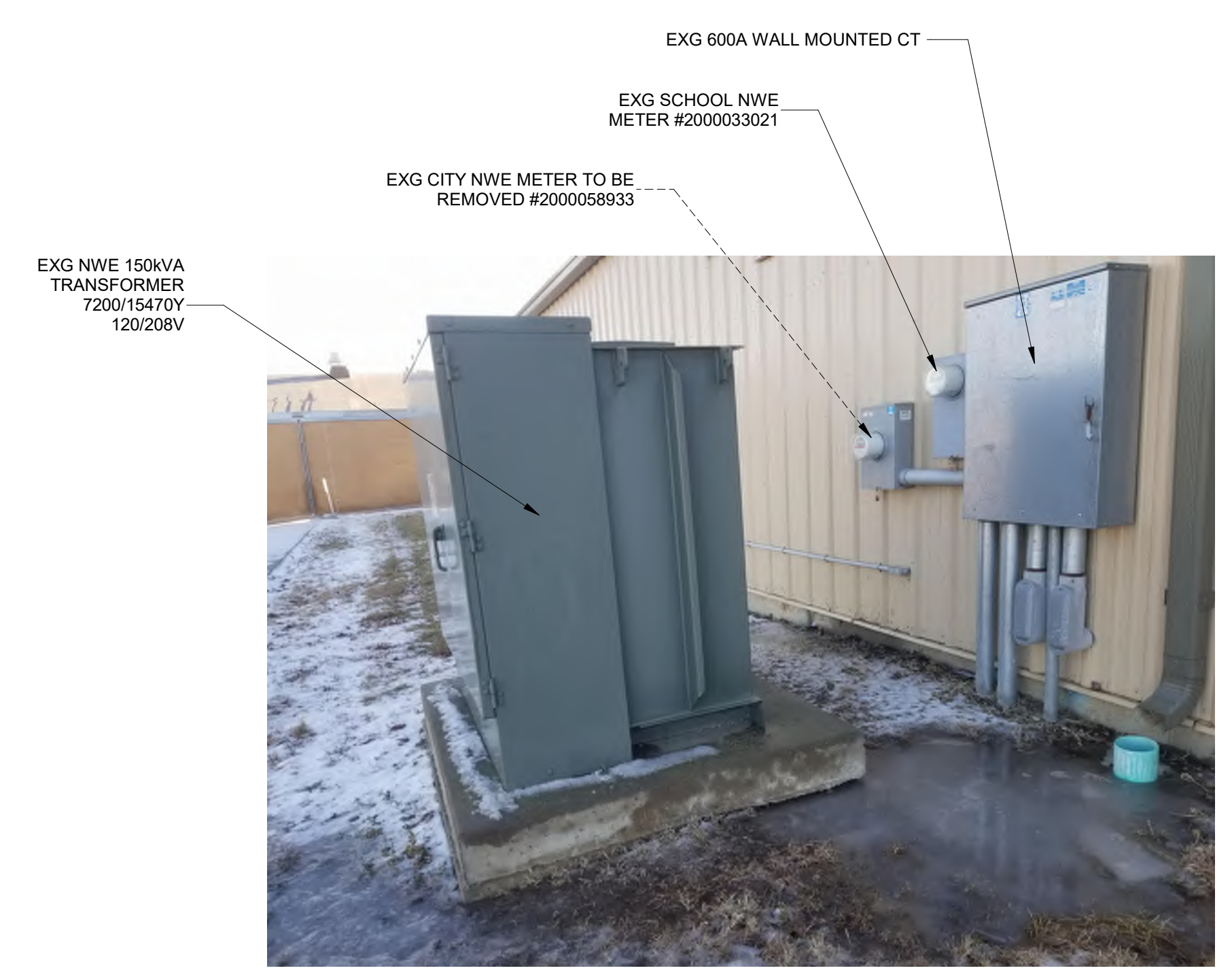




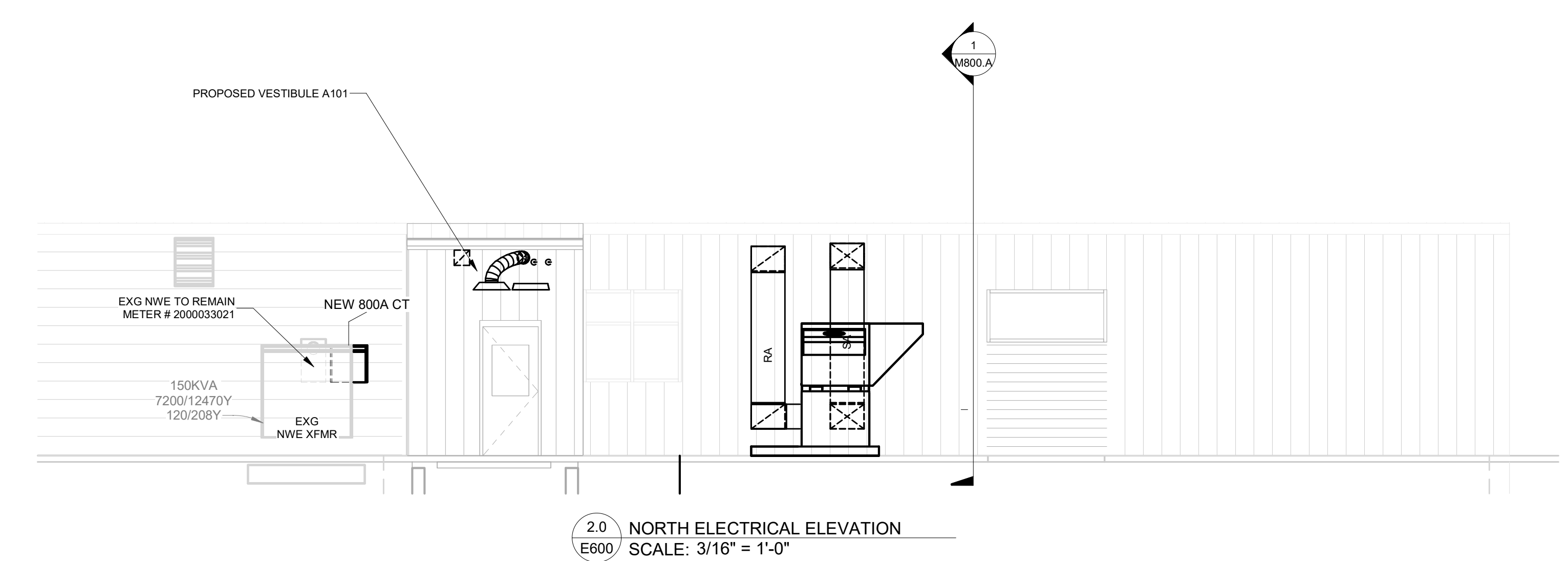
EXG DEMO POWER RISER DIAGRAM
NOT TO SCALE



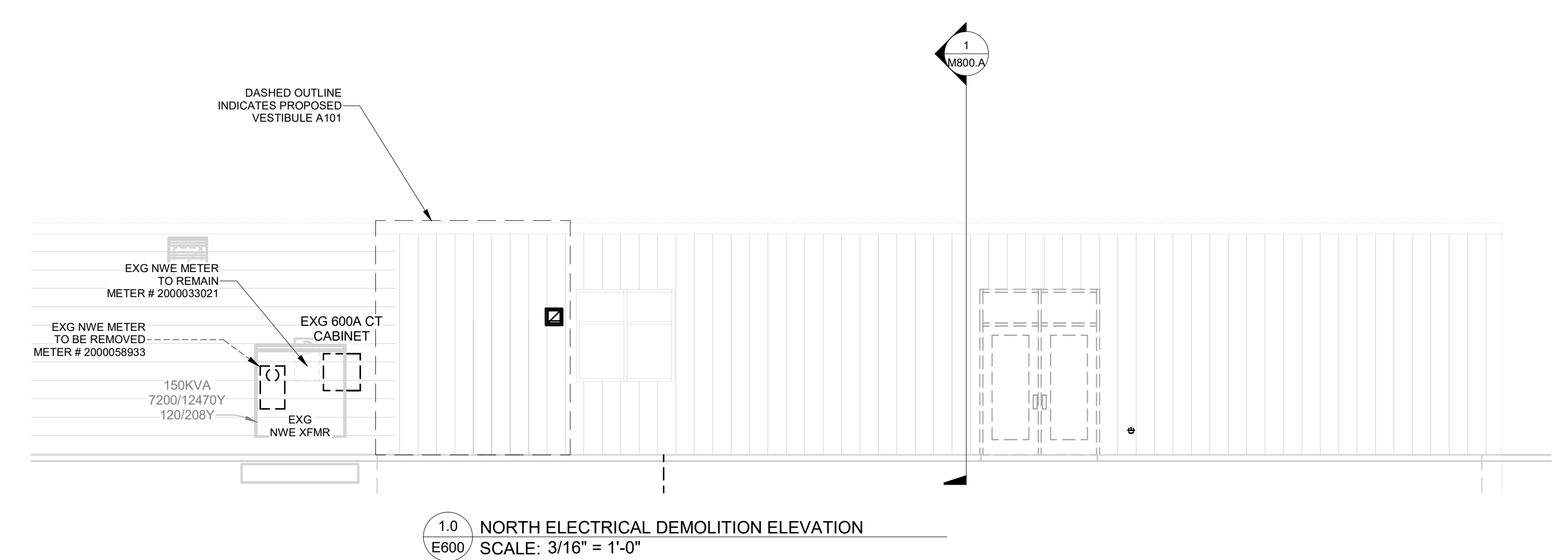
PROPOSED POWER RISER DIAGRAM
NOT TO SCALE



EXISTING EXTERIOR ELECTRICAL CONDITIONS
NOT TO SCALE



2.0 NORTH ELECTRICAL ELEVATION
SCALE: 3/16" = 1'-0"



1.0 NORTH ELECTRICAL DEMOLITION ELEVATION
SCALE: 3/16" = 1'-0"

SE PROJECT NO: 241000845



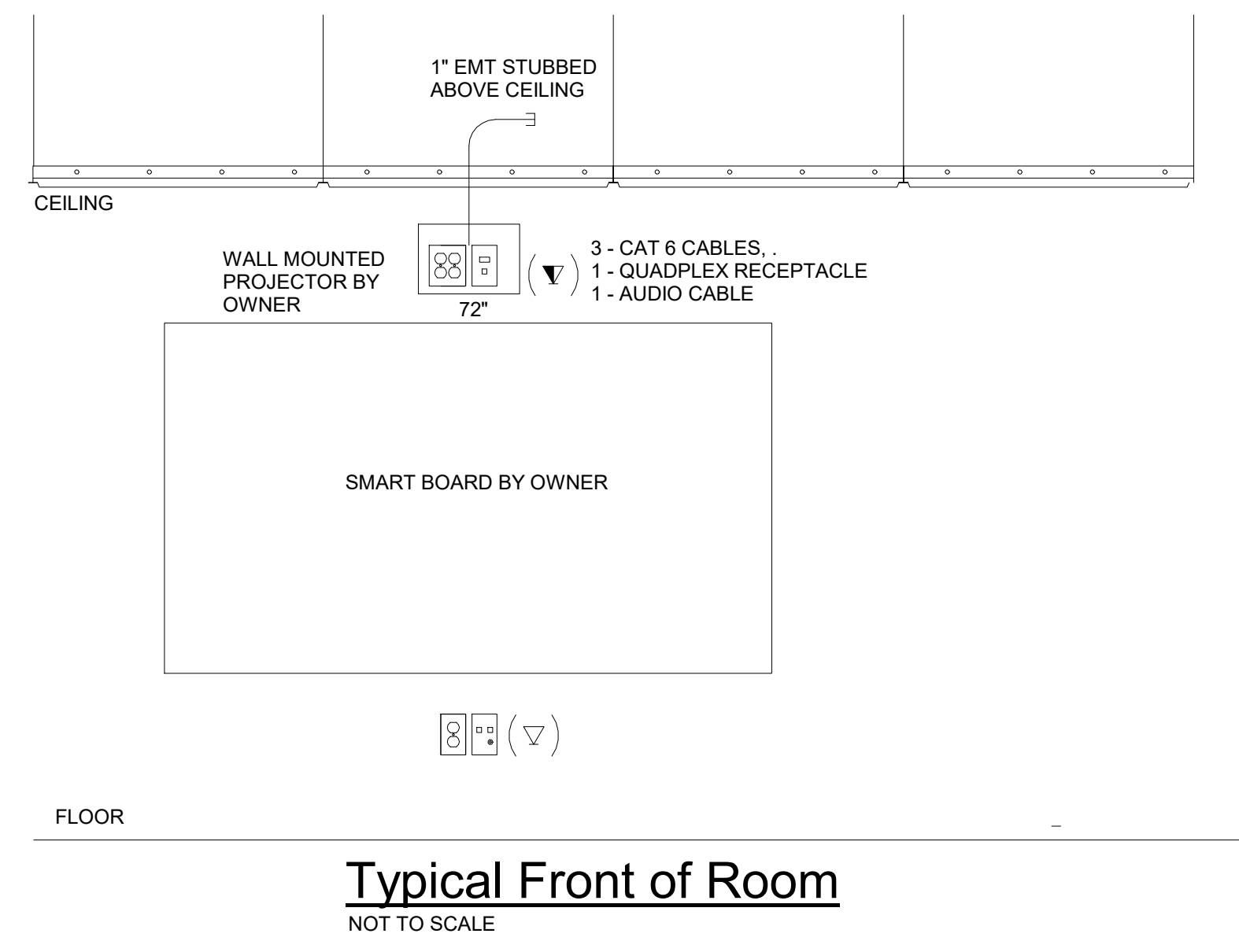
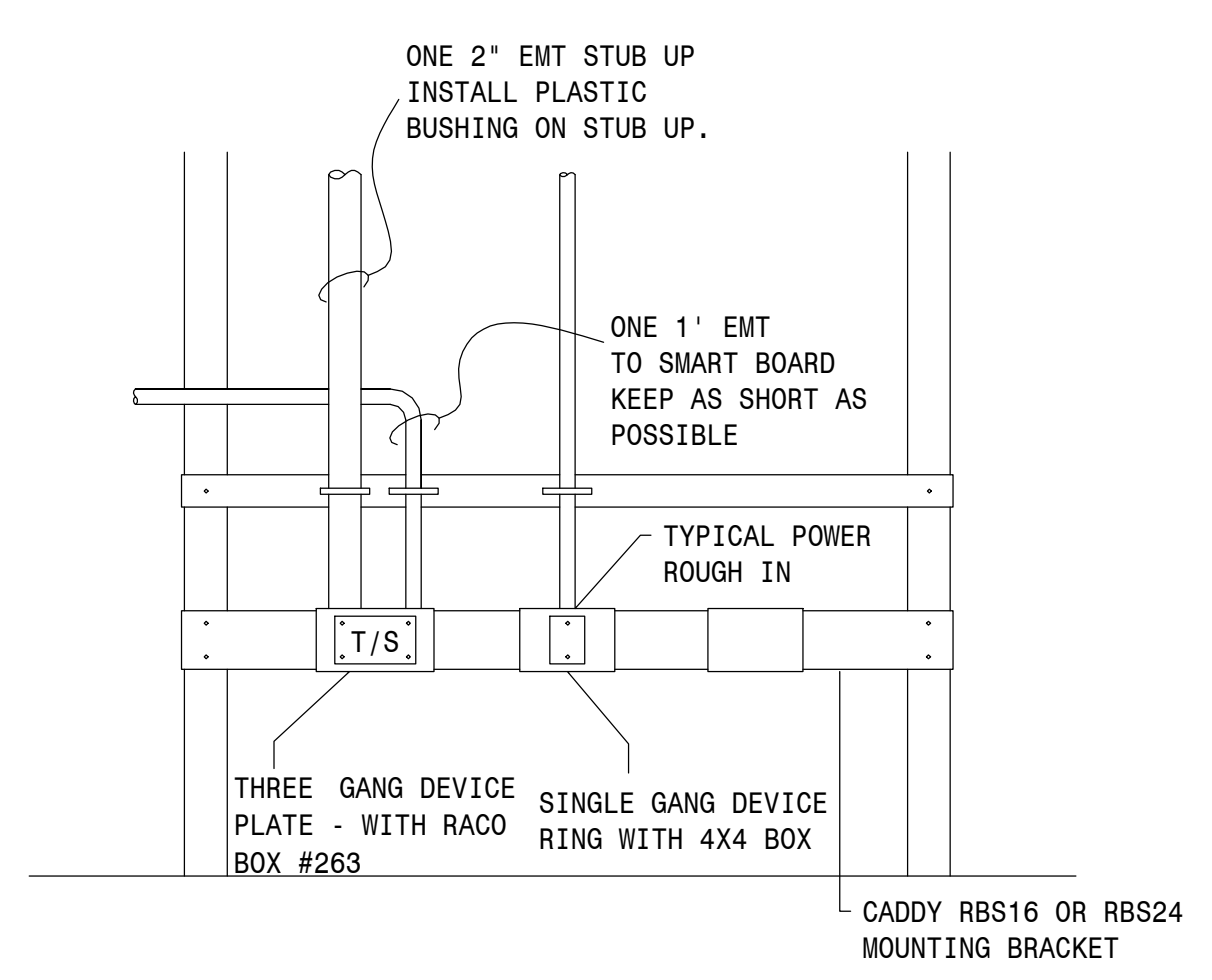
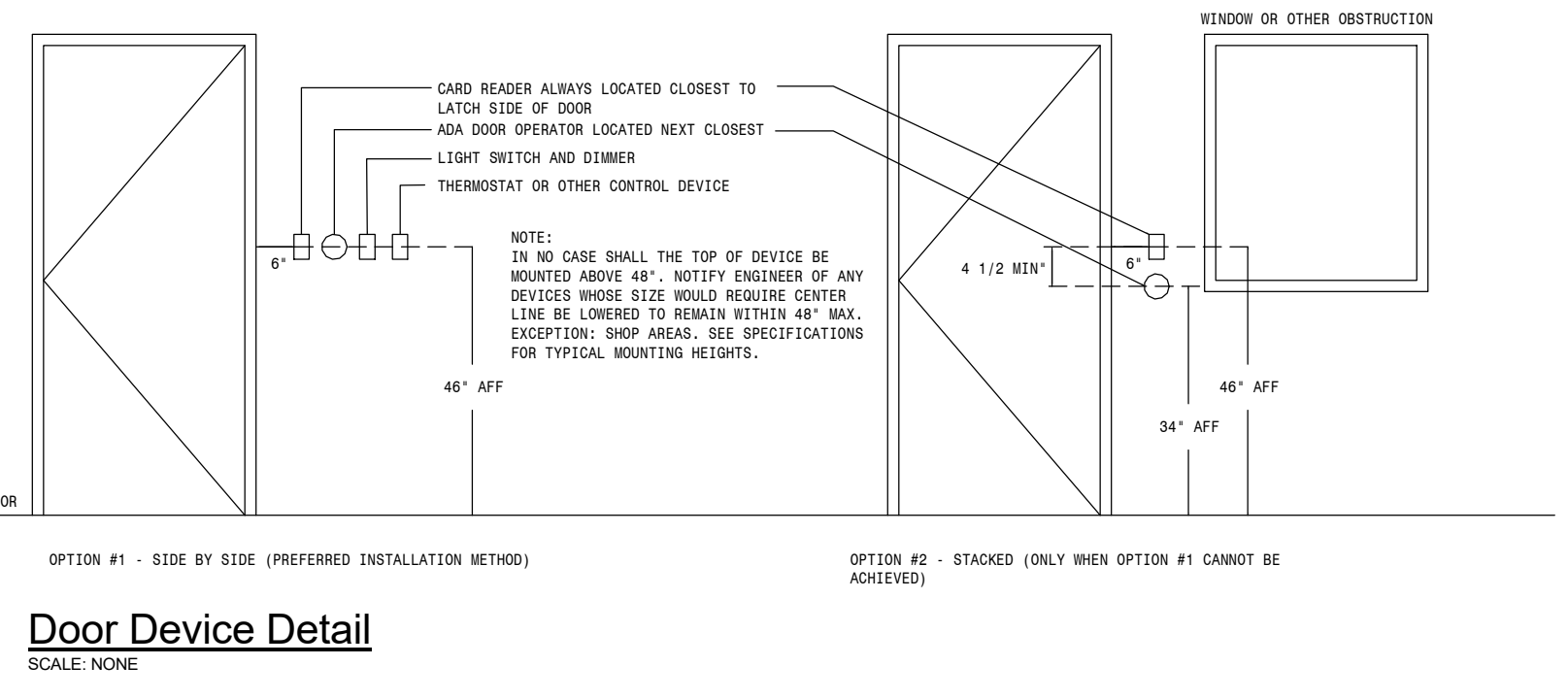
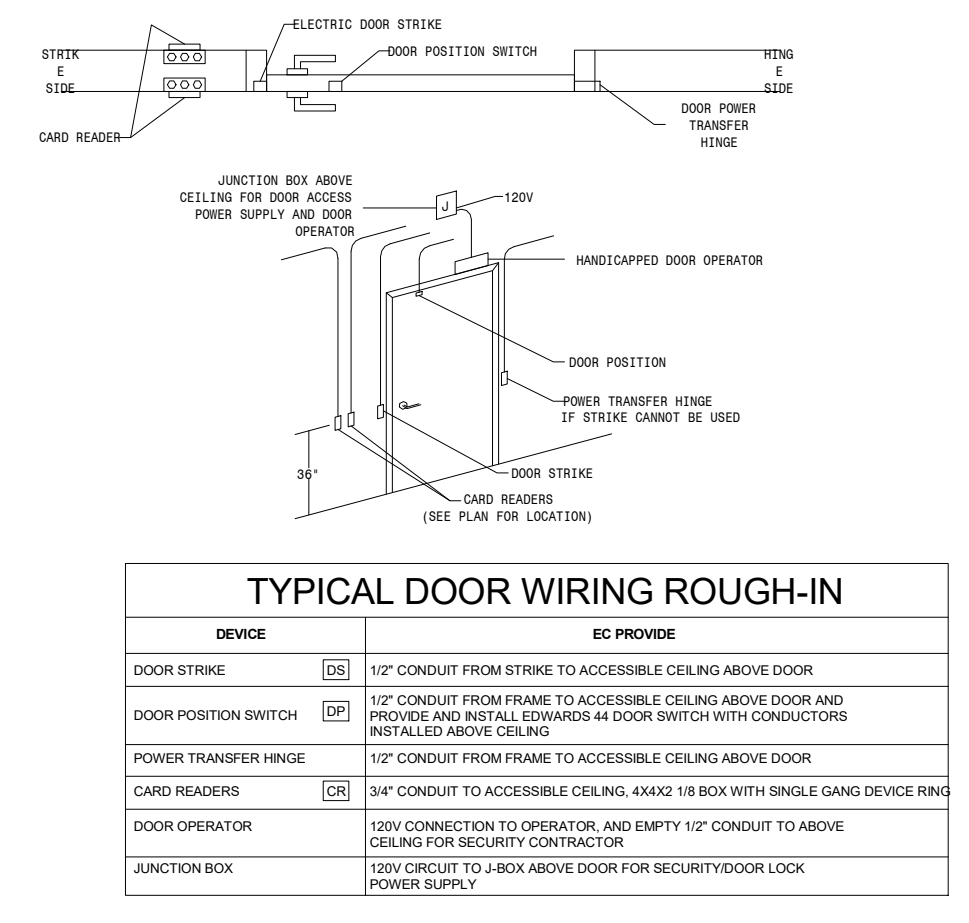
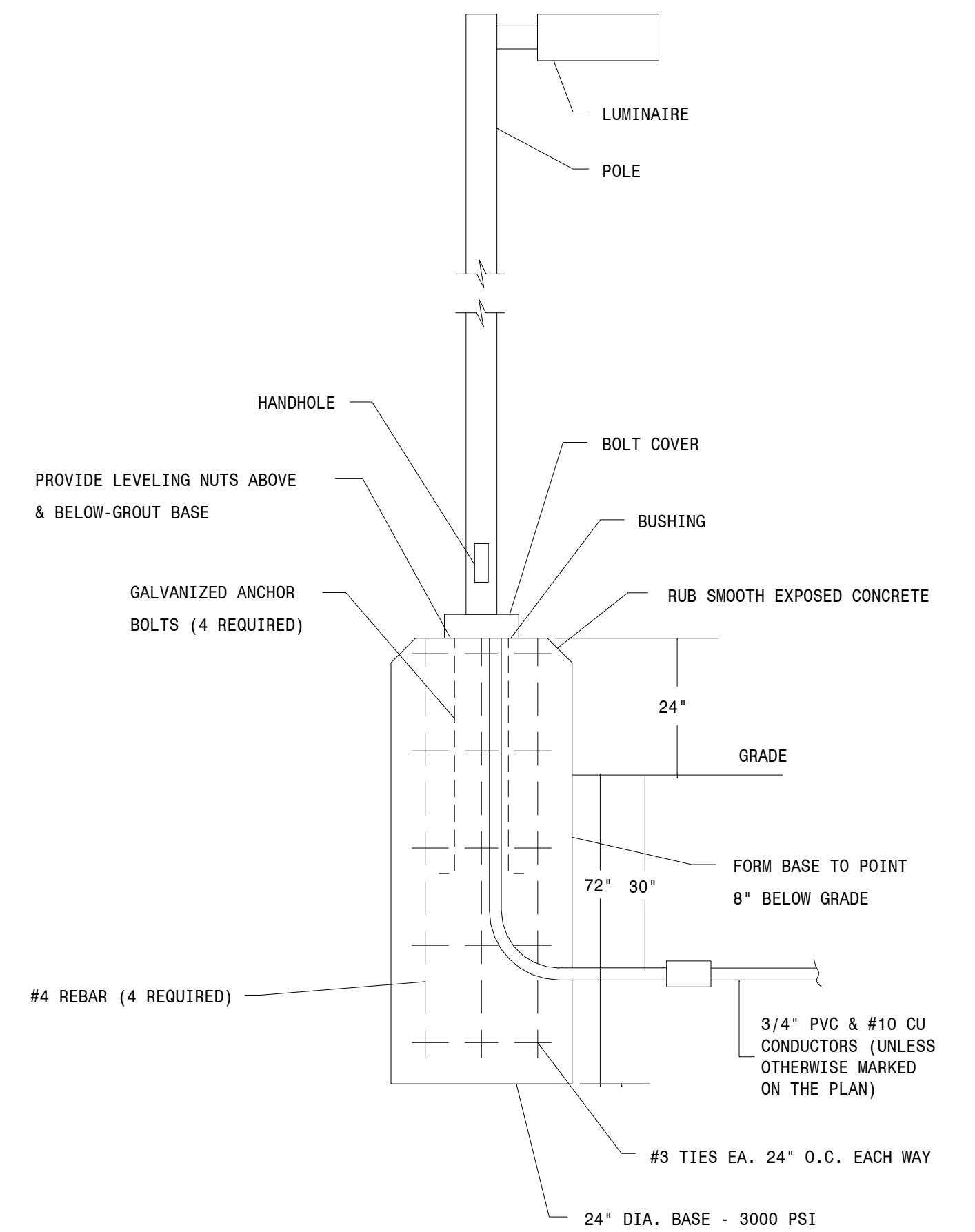
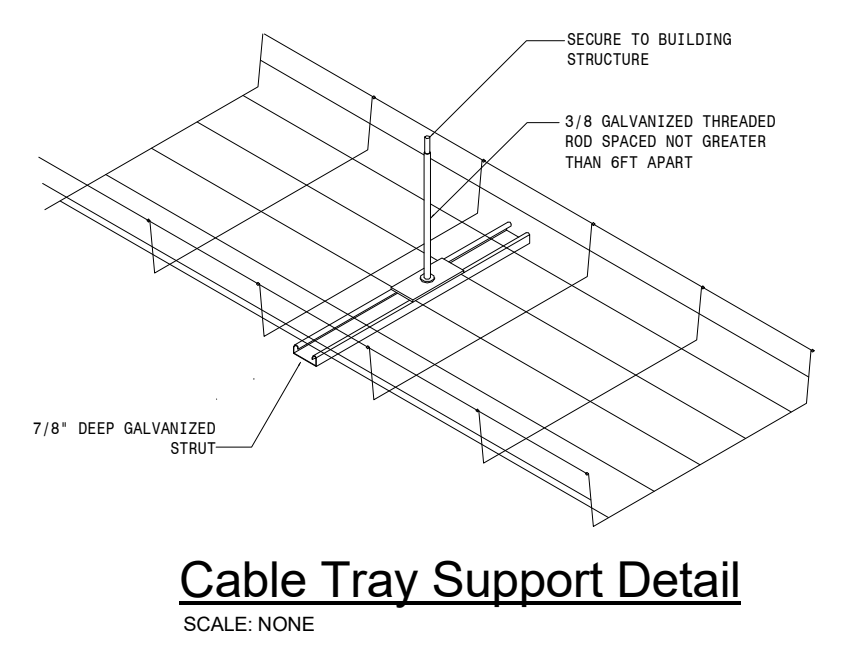
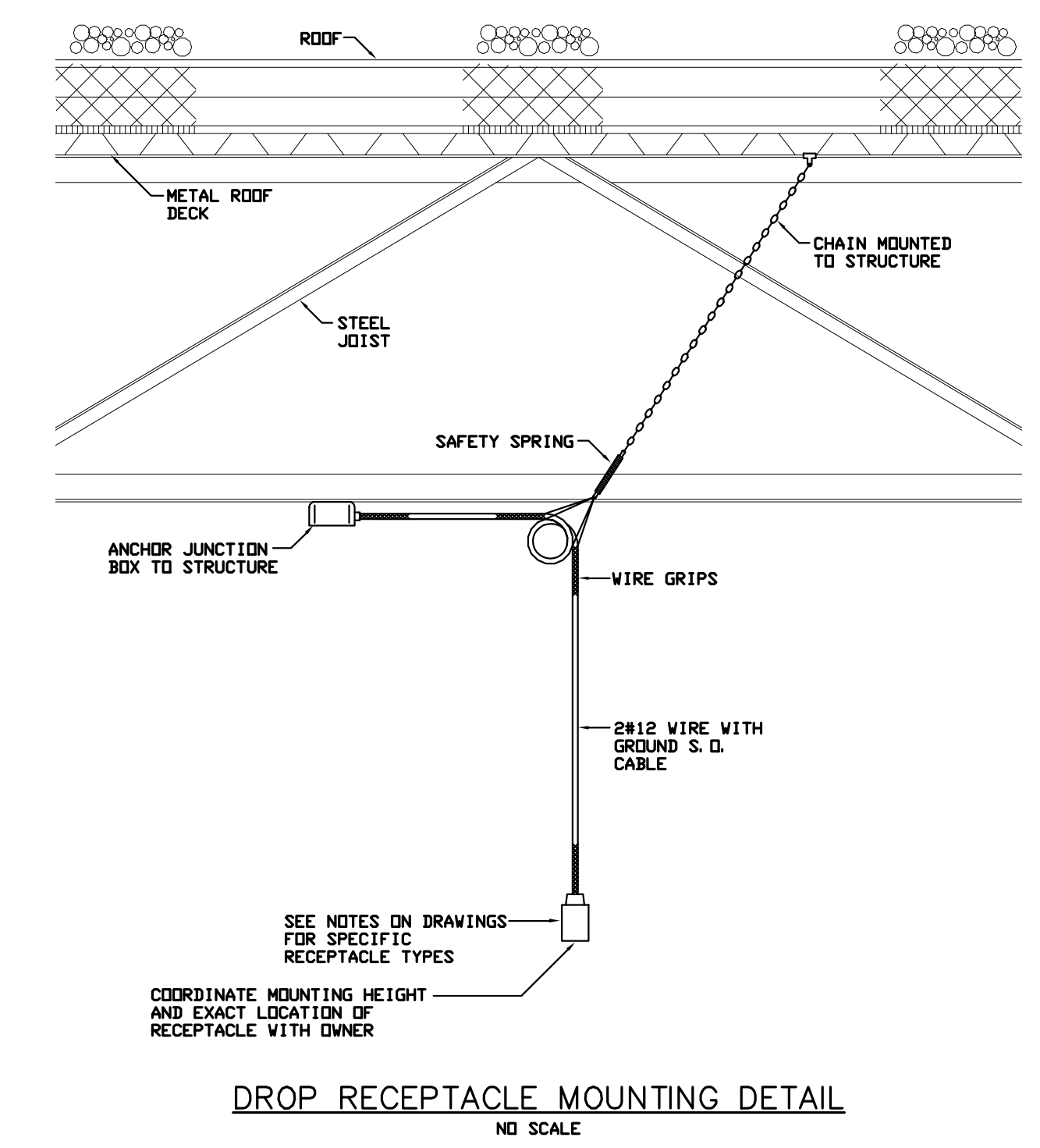
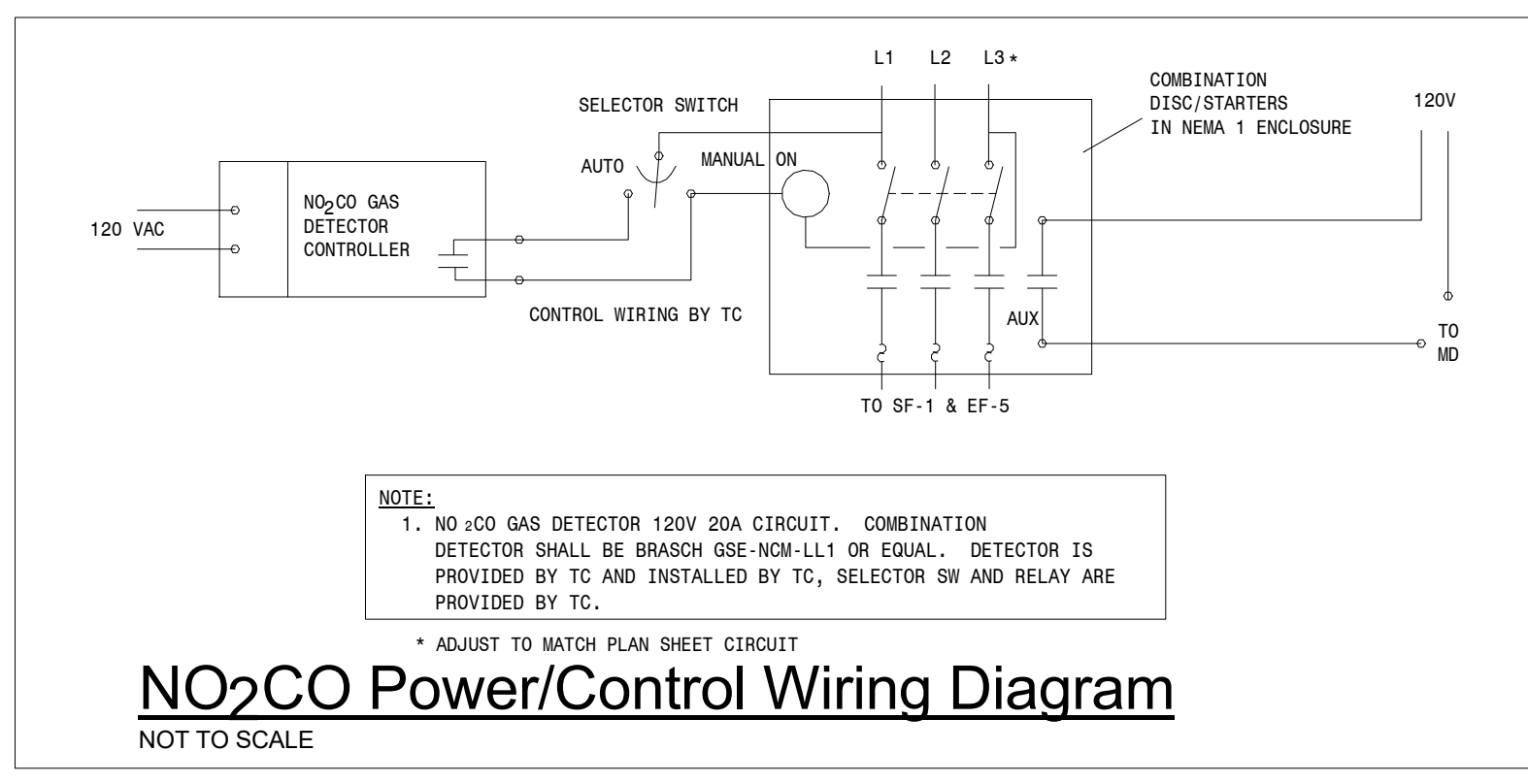
ISSUE:
2/4/25 100% CD'S

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

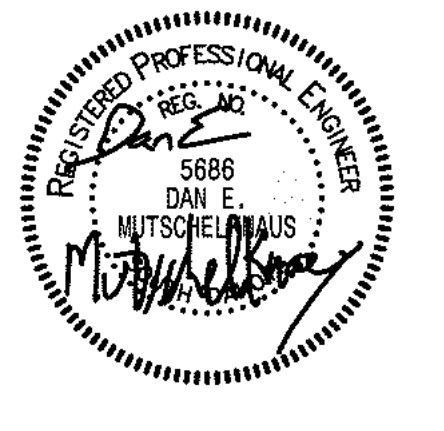
PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
ELECTRICAL DETAILS

E600



SE PROJECT NO: 241000845



ISSUE:
2/4/25 100% CD'S

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE

PROJECT:
FAULKTON SCHOOL RENOVATION
1114 COURT STREET
FAULKTON, SOUTH DAKOTA

SHEET TITLE:
ELECTRICAL DETAILS

LIGHTING FIXTURE SCHEDULE

Table with columns: TYPE, MANUFACTURERS, CAT. NO., TYPE, WATTS (W), LUMENS, COLOR TEMP. (K), MFR. CRI, REMARKS. Lists various lighting fixtures like LITHONIA OR EQUAL, PRESCOLITE, EATON CROUSE-HINDS, etc.

OCCUPANCY SENSOR SWITCH SCHEDULE

Table with columns: TYPE, MANUFACTURERS, CAT. NO., REMARKS. Lists occupancy sensors like WATT STOPPER OR EQUAL.

Panel: EXG PANEL C

Panel schedule for EXG PANEL C, Location: CORRIDOR A131. Includes table with columns: CKT, LOAD, CKT BRK, POLE S, A, B, C, POLE S, CKT BRK, LOAD, CKT. Notes: USE SEPARATE NEUTRAL FOR ALL CIRCUITS.

Panel: EXG PANEL A

Panel schedule for EXG PANEL A, Location: CORRIDOR A131. Includes table with columns: CKT, LOAD, CKT BRK, POLE S, A, B, C, POLE S, CKT BRK, LOAD, CKT. Notes: USE SEPARATE NEUTRAL FOR ALL CIRCUITS.

Panel: PANEL L

Panel schedule for PANEL L, Location: CORRIDOR 352. Includes table with columns: CKT, LOAD, CKT BRK, POLE S, A, B, C, POLE S, CKT BRK, LOAD, CKT. Notes: USE SEPARATE NEUTRAL FOR ALL CIRCUITS.

Panel: PANEL A1

Panel schedule for PANEL A1, Location: CLASSROOM A111. Includes table with columns: CKT, LOAD, CKT BRK, POLE S, A, B, C, POLE S, CKT BRK, LOAD, CKT. Notes: USE SEPARATE NEUTRAL FOR ALL CIRCUITS.

CO Arch OP logo. Contact information: 1108 S. Main St. 102 Aberdeen, SD 57401. Phone: 605-725-4852. 601 Kansas City St. 7 Rapid City, SD 57701. Phone: 605-716-3652. 440 E. 8th St. 221 Sioux Falls, SD 57103. Phone: 605-334-9999. co-oparch.com

PDE Professional Design Engineers logo. Contact information: 48371 265th Street Brandon, SD 57005. (605)582-5717 (605)941-3337

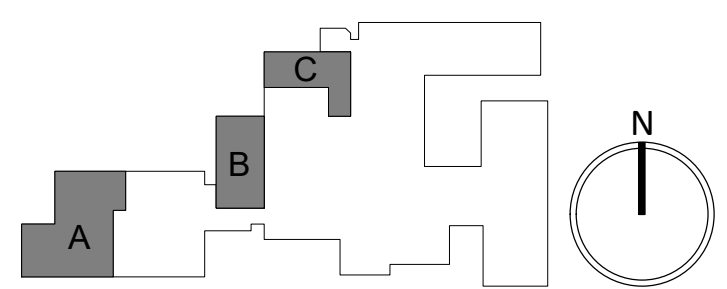
SE PROJECT NO.: 241000845



ISSUE: 2/4/25 100% CD'S REVISION SCHEDULE: REV. # REV. DSC. REV. DATE

PROJECT: FAULKTON SCHOOL RENOVATION 1114 COURT STREET FAULKTON, SOUTH DAKOTA

SHEET TITLE: ELECTRICAL SCHEDULES



E700