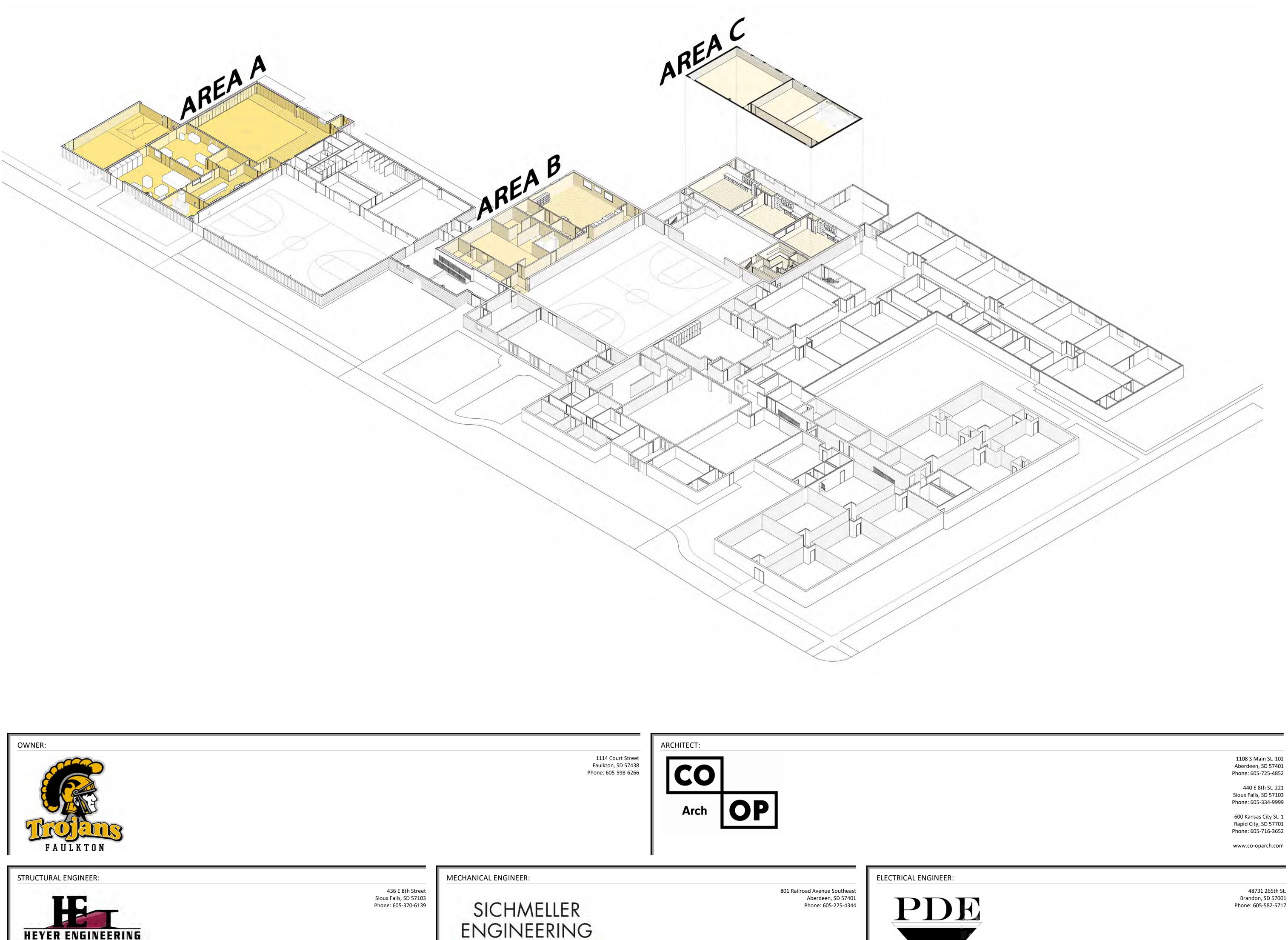
# FAULKTON SCHOOL RENOVATION 1.0



Mechanical and Electrical Engineering 605-225-4344

HEYER ENGINEERING STRUCTURAL CONSULTANT

## 1114 COURT STREET FAULKTON, SOUTH DAKOTA



CODE	
G000	CODE STANDARDS AND SYMBOLS LEGEND
G000	
GUUI	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
D101.0	DEMOLITION FLOOR PLANS - SECOND LEVEL
0102	DEMOLITION FLOOR FLANS - 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
	DOOR & WINDOW SCHEDULE
A600	
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
EM100 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 PLA
M300.B	DEMO & PROPOSED - AREA B - ABOVE GRADE PLUMBING & HYDRONICS PLA
M300.C	DEMO & PROPOSED - AREA C - ABOVE GRADE PLUMBING & HYDRONICS PLA
M301.C	DEMO & PROPOSED - AREA A - SECOND FLOOR ABOVE GRADE PLUMBING &
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
M501.C	HVAC TEMPERATURE CONTROL ZONE PLAN
M600	
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	
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 FLAN
E501.C	DEMO & PROPOSED - AREA C - SECOND FLOOOR - SPECIAL SYSTEMS PLAN
E600	ELECTRICAL DETAILS
5001	
E601	ELECTRICAL DETAILS
E601 E700	ELECTRICAL DETAILS ELECTRICAL SCHEDULES

1108 S Main St. 102 Aberdeen, SD 57401

440 E 8th St. 221 Sioux Falls, SD 57103

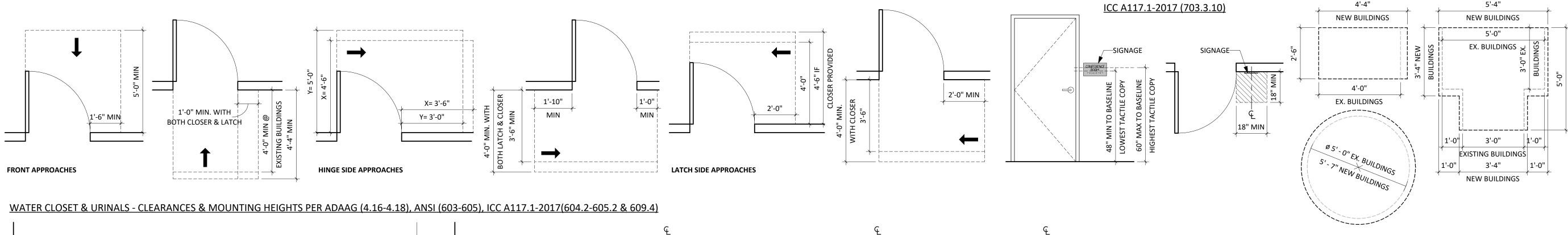
Phone: 605-716-3652

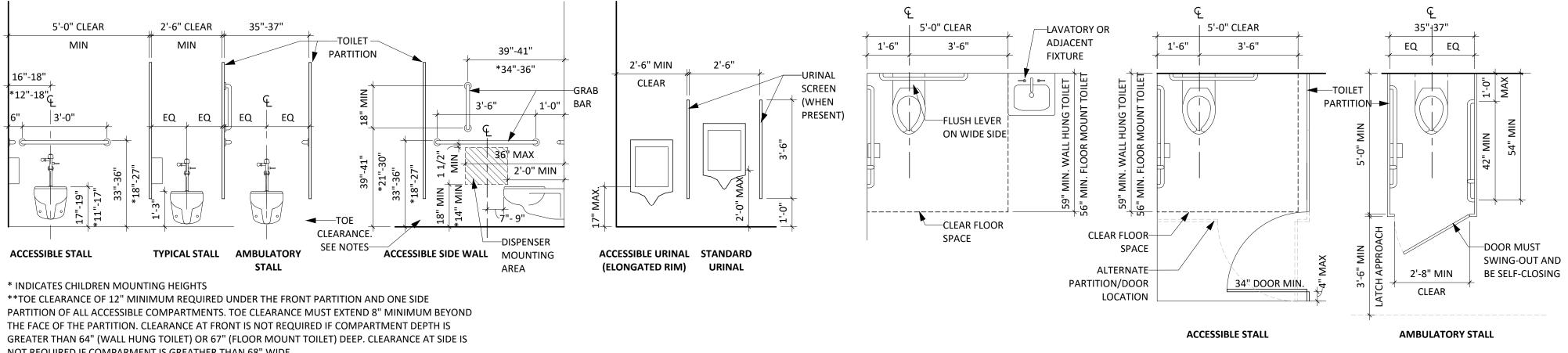
48731 265th St. Brandon, SD 57001 Phone: 605-582-5717

Phone: 605-725-4852

GRADE PLUMBING PLAN / GRADE PLUMBING PLAN V GRADE PLUMBING PLAN 'E GRADE PLUMBING & HYDRONICS PLAN E GRADE PLUMBING & HYDRONICS PLAN E GRADE PLUMBING & HYDRONICS PLAN ND FLOOR ABOVE GRADE PLUMBING & HYDRONICS PLAN ADD ALTERNATE #2 & #2.1 PLAN PLAN

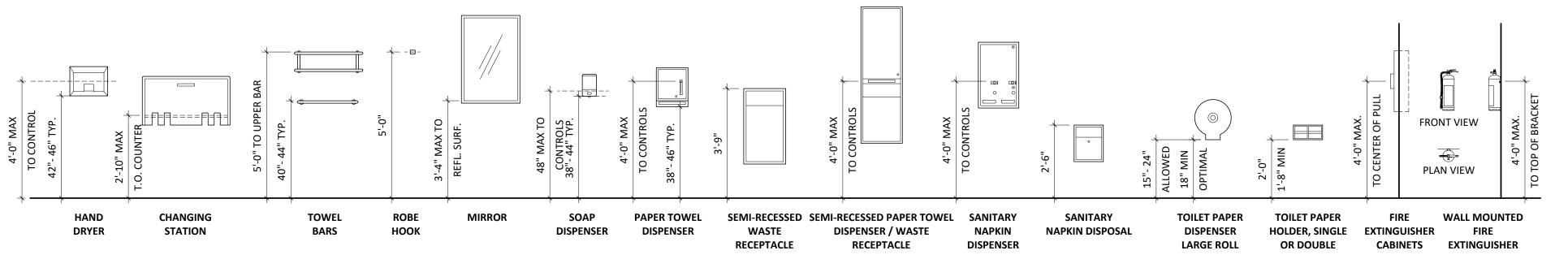
# **100% CONSTRUCTION** DOCUMENTS 2/4/2025



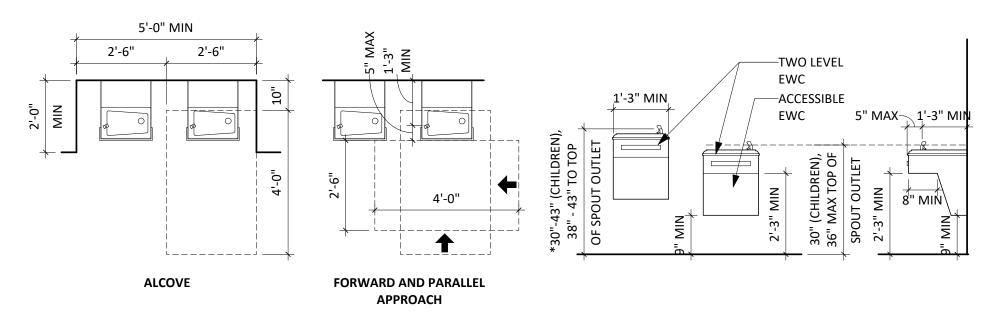


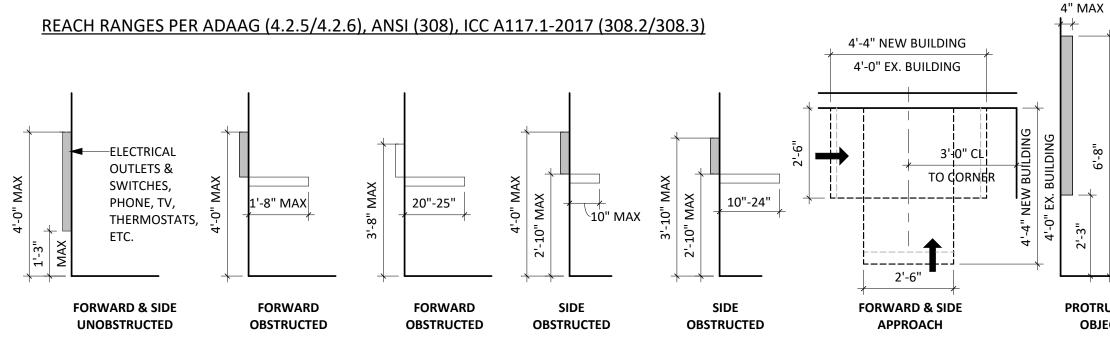
NOT REQUIRED IF COMPARMENT IS GREATHER THAN 68" WIDE.

MISCELLANEOUS MOUNTING HEIGHTS

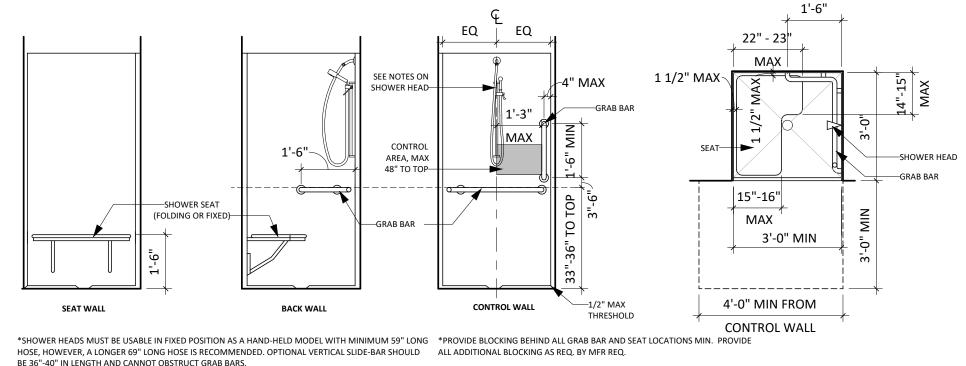


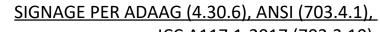
DRINKING FOUNTAIN - CLEARANCES & HEIGHTS PER ADAAG (4.15), ANSI (602), ICC A117.1-2017 (602)

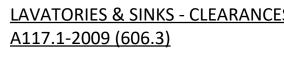


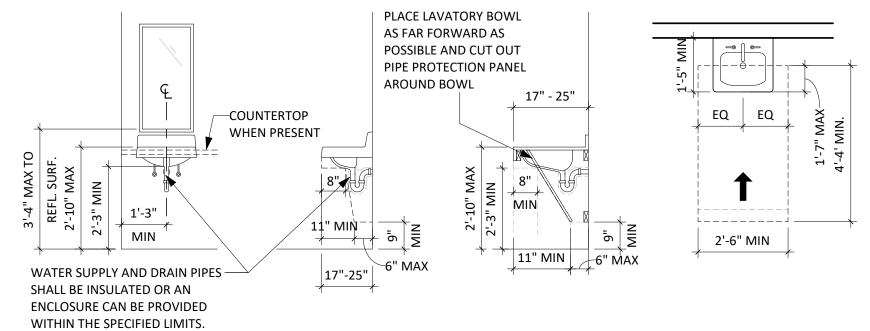


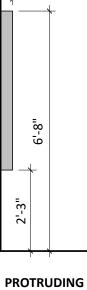
TRANSFER-TYPE SHOWER REQUIREMENTS PER ADAAG (4.21), ANSI (608), ICC A117.1-2009 (608)



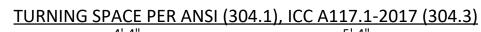






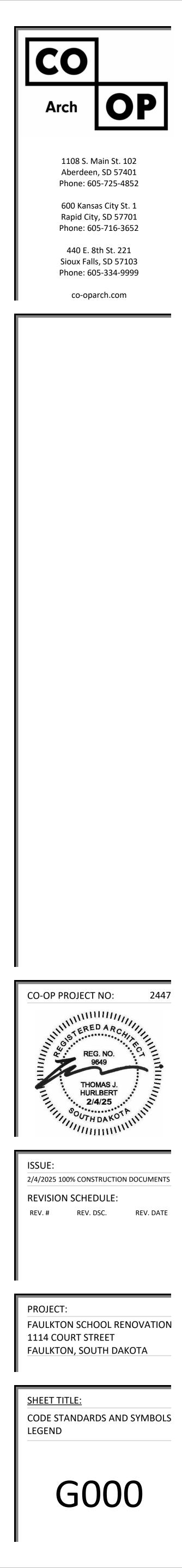


OBJECTS



LAVATORIES & SINKS - CLEARANCES & HEIGHTS PER ADAAG (4.19), ANSI (606), ICC

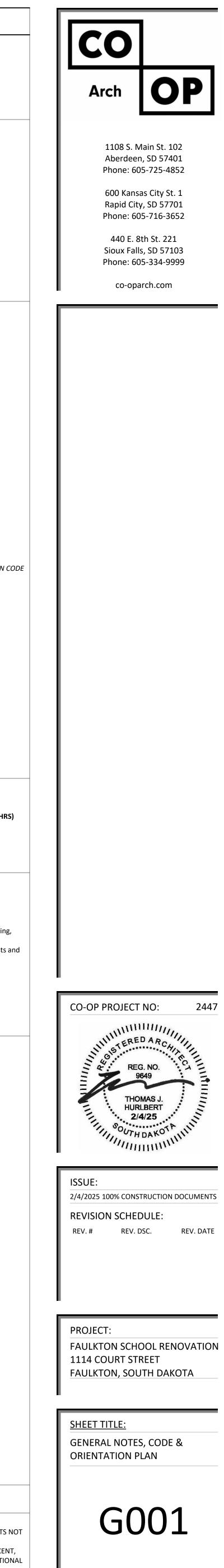
#### **ARCHITECTURAL SYMBOLS LEGEND** 1 VIEW NAME BUILDING SECTION REFERENCED CALLOUT SECTION / DRAWING SHEET VIEW NAME PLAN VIEW CALLOUT WALL SECTION A101 1/8" = 1'-0" SECTION / DRAWING SHEET \_FLOOR LEVEL\_\_\_\_\_\_ ELEVATION NAME AND HEIGHT 1 A101 DETAIL OR PLAN CALL OUT VIEW NUMBER / DRAWING SHEET $(\mathbf{0})$ ? GRID SYMBOL KEYNOTE TAG <999A> DOOR & FRAME TAG 0 GRID SYMBOL $\langle 00 \rangle$ WINDOW UNIT TAG X ROOM STOREFRONT & CURTAIN WALL TAG ROOM NAME, NUMBER, & 101 150 SF SQUARE FOOTAGE ROOF TYPE TAG X ROOM NAME ROOM NAME & SQUARE FOOTAGE WALL TYPE TAG 150 SF 1i INTERIOR ELEVATION REFERENCE FLOOR TYPE TAG 1/A101 DETAIL NUMBER / DRAWING SHEET **REVISION NUMBER TAG** 1 Ref EXTERIOR BUILDING ELEVATIONS CENTER LINE ELEVATION / DRAWING SHEET ₩ 1 A101 1 NORTH ARROW





7. ACCESSIBILITY: 2010 AMERICANS W	TREQUIRED TH DAKOTA ITH DISABILITIES ACT	
USE AND OCCUPANCY CLASSIFICATION 1. OCCUPANCY CLASSIFICATION: GROU 2. ACCESSORY OCCUPANCIES: NONE 3. MIXED OCCUPANCY: NONE 4. OCCUPANCY SEPARATION: NONE 5. HAZARDOUS AREAS: NONE 6. INCIDENTAL USE AREAS: A. MECHANICAL ROOM(S): AUTOMAT	JP E ATIC FIRE-EXTINGUISH	
B. ELECTRICAL ROOM(S): AUTOMAT C. STORAGE ROOMS OVER 100 SF: A D. OTHER BUILDING LOCATION		
<ol> <li>REFERENCE SITE &amp; CODE PLAN</li> <li>BUILDING 1: N: EXCEEDS 30' CLEAN</li> <li>E: EXCEEDS 30' CLEAN</li> <li>S: EXCEEDS 30' CLEAN</li> <li>W: EXCEEDS 30' CLEAN</li> </ol>	२ २	
GENERAL BUILDING HEIGHTS & AREAS PARAMETER	<u>5 (CHAPTER 5)</u> MAX PERMITTED	PROPOSED
BUILDING AREA 1 (NO WORK) -TYPE VI ALLOWABLE BUILDING HEIGHT # OF STORES ABOVE GRADE PLAN SPRINKLER INCREASE ACTUAL AREA:	3 60 FT 2 STORIES	17'-6" (APPROX). 1 STORIES SPRINKLERED <b>15,360 SF</b>
BUILDING AREA 2 (NO WORK) -TYPE IIE ALLOWABLE BUILDING HEIGHT # OF STORES ABOVE GRADE PLAN SPRINKLER INCREASE ACTUAL AREA:	75 FT	27'-0" (APPROX). 1 STORIES SPRINKLERED <b>30,547 SF</b>
BUILDING AREA 3 (LEVEL 3 ALTERATIO ALLOWABLE BUILDING HEIGHT # OF STORES ABOVE GRADE PLAN ALLOWABLE AREA FACTOR SPRINKLER INCREASE ACTUAL AREA:	75 FT	33'-0" (APPROX). 2 STORIES <b>14,500 SF</b> SPRINKLERED <b>13,014 SF</b>
BUILDING AREA 4 (LEVEL 2 ALTERATIO ALLOWABLE BUILDING HEIGHT # OF STORES ABOVE GRADE PLAN ALLOWABLE AREA FACTOR SPRINKLER INCREASE MAXIMUM ALLOWABLE NON-SPRINKL ACTUAL AREA:	55 FT 2 STORIES (A₂) =	30'-0" (APPROX). 2 STORIES <b>14,500 SF</b> NON-SPRINKLERED <i>20,000 SF PER SD EXCE</i> <b>18,529 SF</b>
BUILDING AREA 5 (NO WORK) -TYPE IIE ALLOWABLE BUILDING HEIGHT # OF STORES ABOVE GRADE PLAN ALLOWABLE AREA FACTOR	55 FT	30'-0" (APPROX). 1 STORIES <b>14,500 SF</b>
SPRINKLER INCREASE MAXIMUM ALLOWABLE NON-SPRINKL ACTUAL AREA:	ERED AREA:	NON-SPRINKLERED 12,000 SF PER IBC 202: <b>11,842 SF</b>
BUILDING AREA 6 (ADDITION & LEVEL : ALLOWABLE BUILDING HEIGHT # OF STORES ABOVE GRADE PLAN ALLOWABLE AREA FACTOR FRONTAGE INCREASE	3 ALTERATIONS) -TYPE 75 FT 3 STORIES (A <sub>a</sub> ) = (I <sub>f</sub> ) =	17'-6" (APPROX). 1 STORIES <b>14,500 SF</b> NOT TAKEN
SPRINKLER INCREASE MAX. FLOOR AREA: (Aa = 14,500 + (0 X 0) 1ST FLOOR 2ND FLOOR TOTAL	=	NON-SPRINKLERED 14,500 SF / STORY 8,409 SF 0 SF 8,409 SF
TYPES OF CONSTRUCTION (CHAPTER ( TYPE IIB CONSTRUCTION (NEW CONST FIRE RESISTIVE RATING REQUIREMENT ELEMENT OF CONSTRUCTION PRIMARY STRUCTURAL FRAME BEARING WALLS (INTERIOR & EXTERIO NONBEARING WALLS AND PARTITIONS FLOOR CONSTRUCTION & SECONDARY	RUCTION ONLY) S FOR BUILDING ELEN R)	IENTS (TABLE 601 & 602): FIRE RESISTANCE RATI O O O O O
FIRE AND SMOKE PROTECTION FEATU 1. FIRE WALLS (SECTION 706):	<u>RES (CHAPTER 7)</u>	Ill extend from the top of
<ul> <li>A. NONE</li> <li>2. FIRE BARRIERS (SECTION 707): <ul> <li>A. 2 HR AT BUILDING AREA SEPARAT foundation or floor/ceiling assemble slab or deck above and shall be seed continuous through concealed span voids at intersections shall comply</li> </ul> </li> <li>3. FIRE PARTITION (SECTION 708): <ul> <li>A. 1 HR AT CLASSROOM CORRIDORS</li> <li>4. SMOKE BARRIER (SECTION 709): NO</li> <li>5. SMOKE PARTITION (SECTION 710): N</li> <li>6. VERTICAL OPENINGS (SECTION 712):</li> <li>7. SHAFT ENCLOSURES (SECTION 713):</li> </ul> </li> </ul>	ly below to the under curely attached theret ce, such as the space with Sections 707.8 a (IN BUILDING AREAS N NE IONE NONE NONE	side of the floor or roof sh o. Such fire barriers shall above a suspended ceiling nd 707.9 PER 707.5) N/O SPRINKLER SYSTEM C
<ul> <li>A. NONE</li> <li>2. FIRE BARRIERS (SECTION 707): <ul> <li>A. 2 HR AT BUILDING AREA SEPARAT foundation or floor/ceiling assembles alab or deck above and shall be seed continuous through concealed span voids at intersections shall comply</li> <li>3. FIRE PARTITION (SECTION 708): <ul> <li>A. 1 HR AT CLASSROOM CORRIDORS</li> </ul> </li> <li>4. SMOKE BARRIER (SECTION 709): NO</li> <li>5. SMOKE PARTITION (SECTION 709): NO</li> <li>6. VERTICAL OPENINGS (SECTION 712): NO</li> <li>7. SHAFT ENCLOSURES (SECTION 713):</li> <li>8. OPENING PROTECTIVES (SECTION 713):</li> </ul> </li> <li>MEANS OF EGRESS (CHAPTER 10) <ul> <li>1. MAXIMUM FLOOR AREA ALLOWANCE</li> </ul> </li> </ul>	ly below to the under curely attached theret ce, such as the space with Sections 707.8 a (IN BUILDING AREAS N NE IONE NONE NONE 6) - TO COMPLY WITH CES PER OCCUPANT (T	side of the floor or roof sh o. Such fire barriers shall above a suspended ceiling nd 707.9 PER 707.5) N/O SPRINKLER SYSTEM C I TABLES 716.3 & 716.5 ABLE 1004.1.2)
<ul> <li>A. NONE</li> <li>2. FIRE BARRIERS (SECTION 707): <ul> <li>A. 2 HR AT BUILDING AREA SEPARAT foundation or floor/ceiling assembles slab or deck above and shall be seed continuous through concealed span voids at intersections shall comply</li> <li>3. FIRE PARTITION (SECTION 708): <ul> <li>A. 1 HR AT CLASSROOM CORRIDORS</li> <li>4. SMOKE BARRIER (SECTION 709): NO</li> <li>5. SMOKE PARTITION (SECTION 710): N</li> <li>6. VERTICAL OPENINGS (SECTION 712):</li> <li>7. SHAFT ENCLOSURES (SECTION 713):</li> <li>8. OPENING PROTECTIVES (SECTION 715):</li> </ul> </li> </ul></li></ul>	IV below to the under curely attached theret ce, such as the space with Sections 707.8 a (IN BUILDING AREAS V NE IONE NONE IONE IONE IONE IONE IONE I	side of the floor or roof sh o. Such fire barriers shall above a suspended ceiling nd 707.9 PER 707.5) N/O SPRINKLER SYSTEM C I TABLES 716.3 & 716.5 ABLE 1004.1.2) T: 300 SF/OCCUPANT GRO
<ul> <li>A. NONE</li> <li>2. FIRE BARRIERS (SECTION 707): <ul> <li>A. 2 HR AT BUILDING AREA SEPARAT foundation or floor/ceiling assemts slab or deck above and shall be see continuous through concealed sparvoids at intersections shall comply</li> <li>3. FIRE PARTITION (SECTION 708): <ul> <li>A. 1 HR AT CLASSROOM CORRIDORS</li> </ul> </li> <li>4. SMOKE BARRIER (SECTION 709): NO</li> <li>5. SMOKE PARTITION (SECTION 709): NO</li> <li>5. SMOKE PARTITION (SECTION 710): N</li> <li>6. VERTICAL OPENINGS (SECTION 712):</li> <li>7. SHAFT ENCLOSURES (SECTION 713):</li> <li>8. OPENING PROTECTIVES (SECTION 714):</li> <li>7. MAXIMUM FLOOR AREA ALLOWANG A. ACCESSIBLE STORAGE AREAS, MEG B. ASSEMBLY W/ FIXED SEATS; # 0F S C. ASSEMBLY W/ FIXED SEATS; # 0F S C. ASSEMBLY W/O FIXED SEATS, UNC D. BUSINESS AREAS: 100 SF/OCCUPA E. EDUCATIONAL, CLASSROOM: 20 S F. EDUCATIONAL, VOCATIONAL: 50 S G. EXERCISE ROOMS: 50 SF/OCCUPA H. KITCHENS, COMMERCIAL: 200 SF/</li> <li>I. LIBRARY, READING ROOMS: 50 SF/</li> <li>J. LIBRARY, READING ROOMS: 50 SF/</li> <li>J. LIBRARY, STACK AREA: 100 SF/OCC K. LOCKERROOMS: 50 SF/OCCUPANT L. STAGES AND PLATFORMS: 15 SF/C</li> </ul> </li> <li>2. CALCULATED OCCUPANT LOADS BUILDING AREA 1: 517 OCC. BUILDING AREA 1: 517 OCC. BUILDING AREA 3: 189 OCC. BUILDING AREA 4: 701 OCC. BUILDING AREA 5: 486 OCC. BUILDING AREA 5: 486 OCC. BUILDING AREA 6: 174 OCC.</li> </ul>	All below to the under curely attached theret ce, such as the space a with Sections 707.8 a (IN BUILDING AREAS A NE IONE NONE IONE NONE IONE IONE NONE IO) - TO COMPLY WITH CES PER OCCUPANT (T. CHANICAL EQUIPMENT SEATS CONCENTRATED: 15 SP INT NET F/OCCUPANT NET SF/OCCUPANT NET NT GROSS OCCUPANT GROSS OCCUPANT NET CUPANT GROSS I GROSS OCCUPANT NET	side of the floor or roof sh o. Such fire barriers shall above a suspended ceiling nd 707.9 PER 707.5) N/O SPRINKLER SYSTEM C I TABLES 716.3 & 716.5 ABLE 1004.1.2) T: 300 SF/OCCUPANT GRO
<ul> <li>A. NONE</li> <li>2. FIRE BARRIERS (SECTION 707):</li> <li>A. 2 HR AT BUILDING AREA SEPARAT foundation or floor/ceiling assemb slab or deck above and shall be see continuous through concealed spa voids at intersections shall comply</li> <li>3. FIRE PARTITION (SECTION 708):</li> <li>A. 1 HR AT CLASSROOM CORRIDORS</li> <li>4. SMOKE BARRIER (SECTION 709): NO</li> <li>5. SMOKE PARTITION (SECTION 709): NO</li> <li>5. SMOKE PARTITION (SECTION 710): N</li> <li>6. VERTICAL OPENINGS (SECTION 712):</li> <li>7. SHAFT ENCLOSURES (SECTION 713):</li> <li>8. OPENING PROTECTIVES (SECTION 712):</li> <li>7. SHAFT ENCLOSURES (SECTION 713):</li> <li>8. OPENING PROTECTIVES (SECTION 712):</li> <li>7. SHAFT ENCLOSURES (SECTION 713):</li> <li>8. OPENING PROTECTIVES (SECTION 712):</li> <li>1. MAXIMUM FLOOR AREA ALLOWANG</li> <li>A. ACCESSIBLE STORAGE AREAS, MEG</li> <li>B. ASSEMBLY W/ FIXED SEATS: # 0F S</li> <li>C. ASSEMBLY W/ FIXED SEATS: # 0F S</li> <li>J. LIBRARY, STACK AREA: 100 SF/OCCUPANT</li> <li>L. STAGES AND PLATFORMS: 15 SF/C</li> <li>Z. CALCULATED OCCUPANT LOADS</li> <li>BUILDING AREA 1: 517 OCC.</li> <li>BUILDING AREA 2: 734 OCC.</li> <li>BUILDING AREA 3: 189 OCC.</li> <li>BUILDING AREA 4: 701 OCC.</li> <li>BUILDING AREA 5: 486 OCC.</li> <li>BUILDING AREA 5: 486 OCC.</li> <li>BUILDING AREA</li></ul>	All below to the under curely attached theret ce, such as the space a with Sections 707.8 a (IN BUILDING AREAS A NE IONE NONE IONE NONE IONE IONE NONE IONE I	side of the floor or roof sh o. Such fire barriers shall above a suspended ceiling nd 707.9 PER 707.5) N/O SPRINKLER SYSTEM O I TABLES 716.3 & 716.5 ABLE 1004.1.2) T: 300 SF/OCCUPANT GRO C/OCCUPANT NET
<ul> <li>A. NONE</li> <li>2. FIRE BARRIERS (SECTION 707):</li> <li>A. 2 HR AT BUILDING AREA SEPARAT foundation or floor/ceiling assemb slab or deck above and shall be see continuous through concealed spa voids at intersections shall comply</li> <li>3. FIRE PARTITION (SECTION 708):</li> <li>A. 1 HR AT CLASSROOM CORRIDORS</li> <li>4. SMOKE BARRIER (SECTION 709): NO</li> <li>5. SMOKE PARTITION (SECTION 709): NO</li> <li>5. SMOKE PARTITION (SECTION 710): N</li> <li>6. VERTICAL OPENINGS (SECTION 712):</li> <li>7. SHAFT ENCLOSURES (SECTION 713):</li> <li>8. OPENING PROTECTIVES (SECTION 712):</li> <li>7. SHAFT ENCLOSURES (SECTION 713):</li> <li>8. OPENING PROTECTIVES (SECTION 712):</li> <li>7. SHAFT ENCLOSURES (SECTION 713):</li> <li>8. OPENING PROTECTIVES (SECTION 712):</li> <li>1. MAXIMUM FLOOR AREA ALLOWANG</li> <li>A. ACCESSIBLE STORAGE AREAS, MEG</li> <li>B. ASSEMBLY W/ FIXED SEATS: # 0F S</li> <li>C. ASSEMBLY W/ FIXED SEATS: # 0F S</li> <li>C. ASSEMBLY W/ FIXED SEATS: # 0F S</li> <li>C. EXERCISE ROOMS: 50 SF/OCCUPANT</li> <li>B. BUISINESS AREAS: 100 SF/OCCUPANT</li> <li>L. STAGES AND PLATFORMS: 15 SF/O</li> <li>2. CALCULATED OCCUPANT LOADS</li> <li>BUILDING AREA 1: 517 OCC.</li> <li>BUILDING AREA 1: 517 OCC.</li> <li>BUILDING AREA 2: 734 OCC.</li> <li>BUILDING AREA 3: 189 OCC.</li> <li>BUILDING AREA 3: 189 OCC.</li> <li>BUILDING AREA 5: 486 OCC.</li> <li>BUILDING AREA 5: 486 OCC.</li> <li>BUILDING AREA 5: 486 OCC.</li> <li>BUILDING AREA 6: 174 OCC.</li> <li>T</li></ul>	All below to the under curely attached theret ce, such as the space a with Sections 707.8 a (IN BUILDING AREAS A NE IONE NONE AONE AONE AONE AONE AONE AONE A	side of the floor or roof sh o. Such fire barriers shall above a suspended ceiling nd 707.9 PER 707.5) <i>N</i> /O SPRINKLER SYSTEM O I TABLES 716.3 & 716.5 ABLE 1004.1.2) T: 300 SF/OCCUPANT GRO C/OCCUPANT NET
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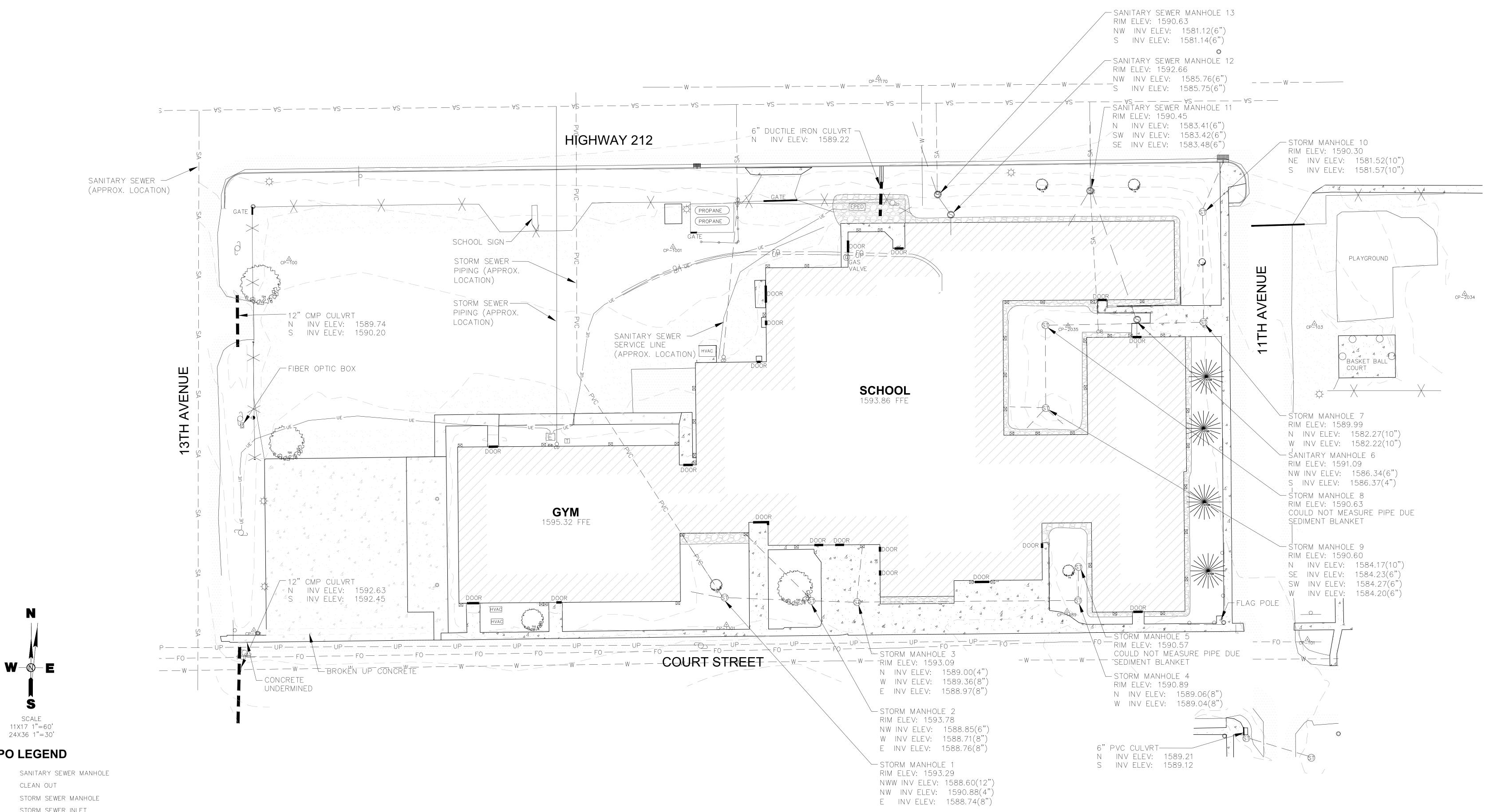
- ONLY WHERE THE OCCUPANT LOAD OF THE STORY IS INCREASED BY MORE THAN 20 PERCENT, PLUMBING FIXTURES FOR THE STORY SHALL BE PROVIDED IN QUANTITIES IN THE INTERNATIONAL PLUMBING CODE BASED ON THE INCREASED OCCUPANT LOAD.



## 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.

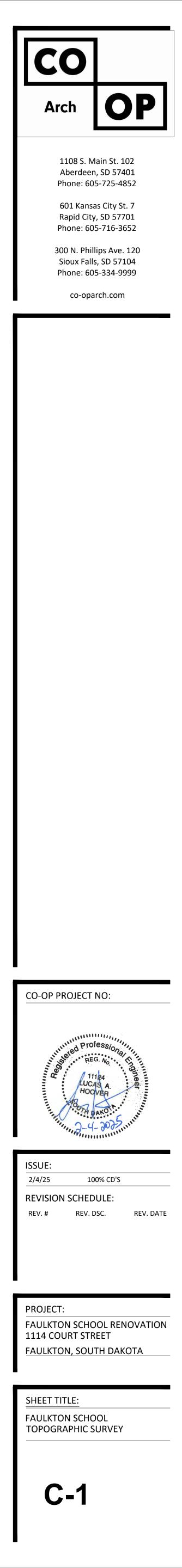


#### S SCALE 11X17 1"=60' 24X36 1"=30'

N

## **TOPO LEGEND**

S	SANITARY SEWER MANHOLE
$\gtrsim$	CLEAN OUT
SI	STORM SEWER MANHOLE
	STORM SEWER INLET
	SURVEY CONTROL POINT
$\Box$	TELEPHONE PEDESTAL
E EPED	ELECTRICAL PEDESTAL
	SIGN
$\overset{\boxtimes}{\frown}$	DOWN SPOUT CONTROL POINTS
(PROPANE)	PROPANE TANK
HVAC	HVAC BOX
-0-	LIGHT POLE
$\overline{\bigcirc}$	POWER POLE
	SANITARY SEWER PIPE
	CURB AND GUTTER
UE	UNDER GROUND ELECTRICAL
	FENCE
	EXISTING BUILDING
4	CONCRETE SURFACING
· · · · · · · · · · ·	ASPHALT SURFACING
0846597	OVER SIZE ROCK SURFACING
	GRAVEL SURFACING
DT12	DECIDUOUS TREE WITH SIZE IN INCHES
DT24	EVERGREEN TREE WITH SIZE IN INCHES



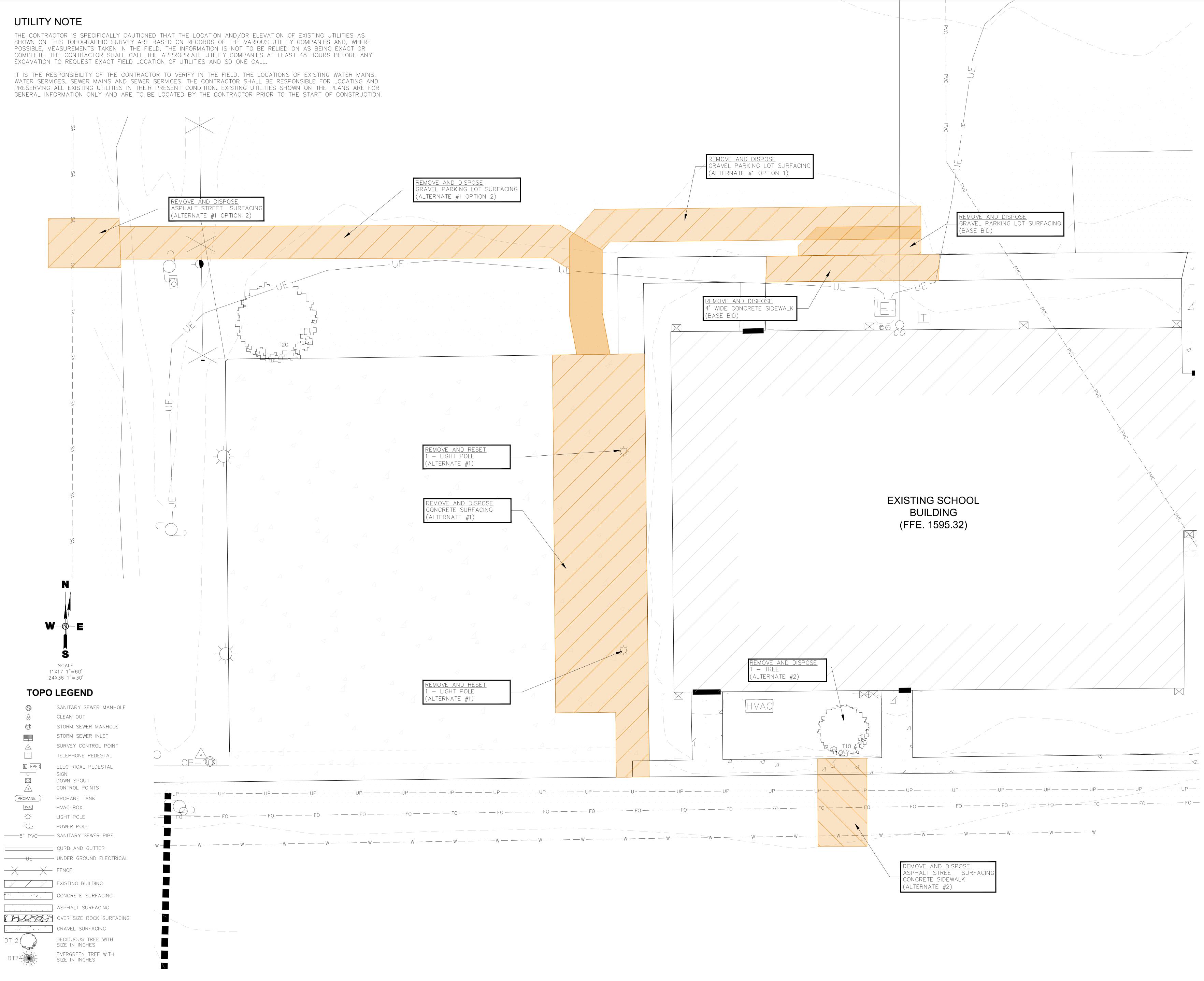
## UTILITY NOTE

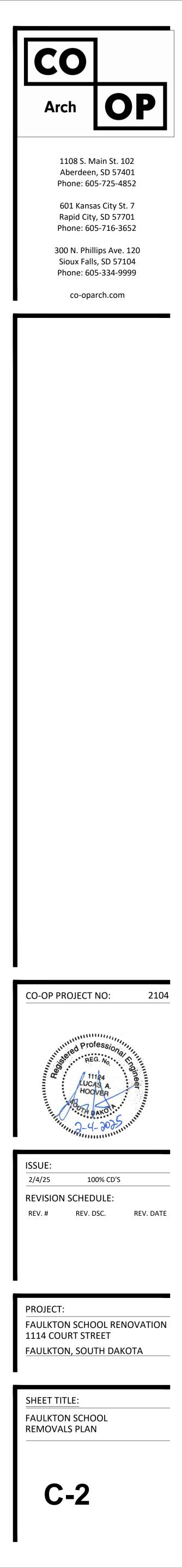
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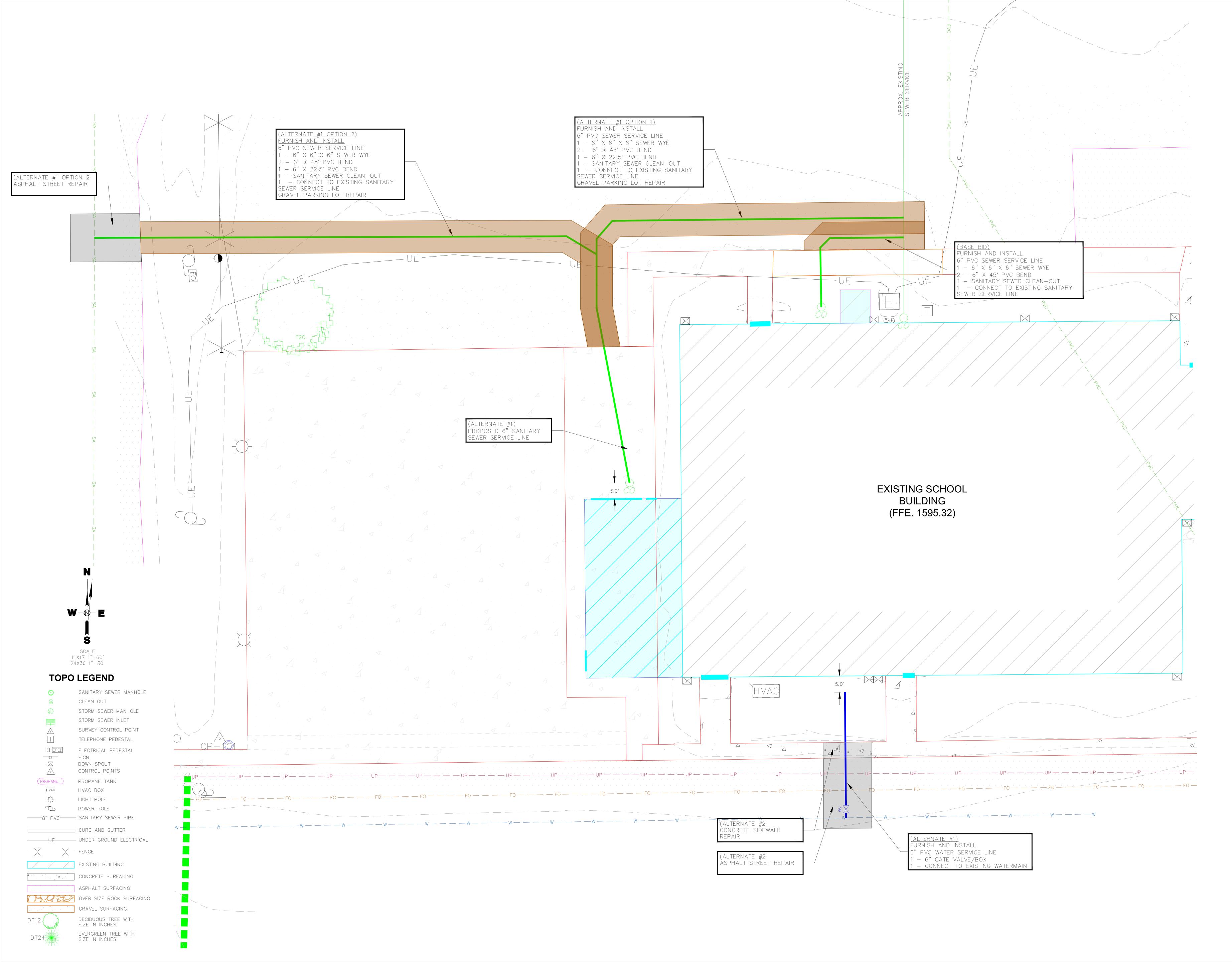
DT12 ک

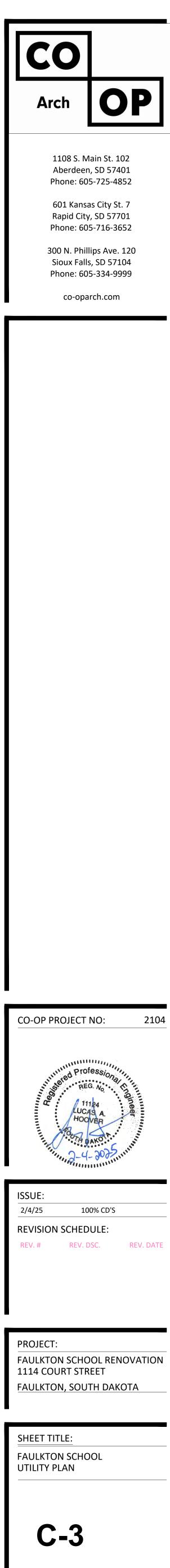
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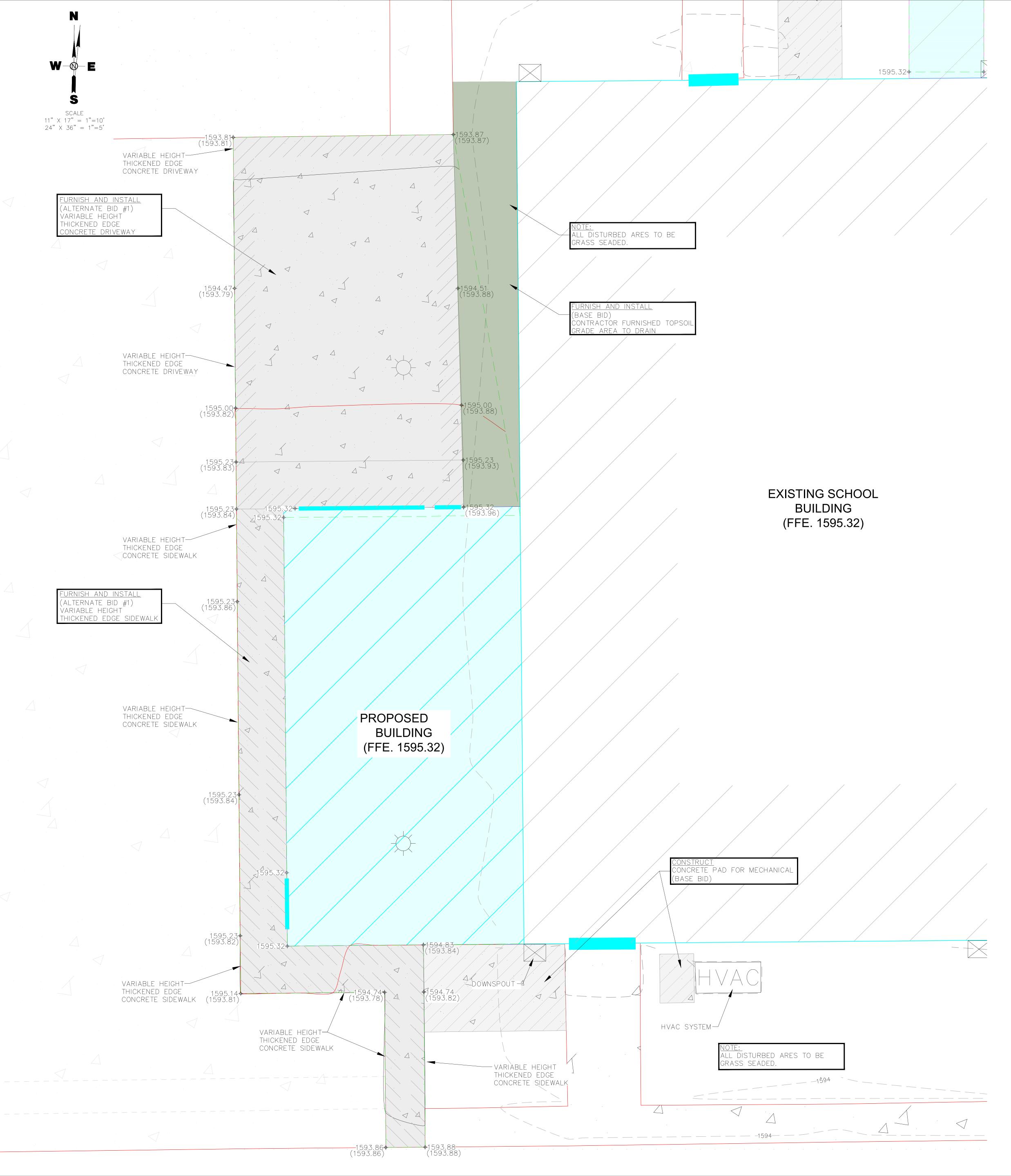


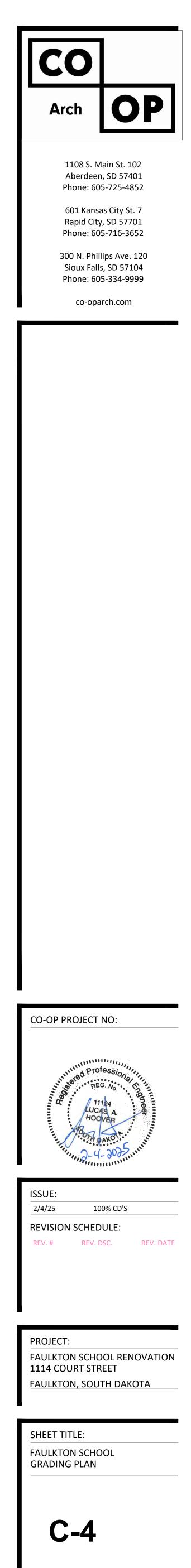


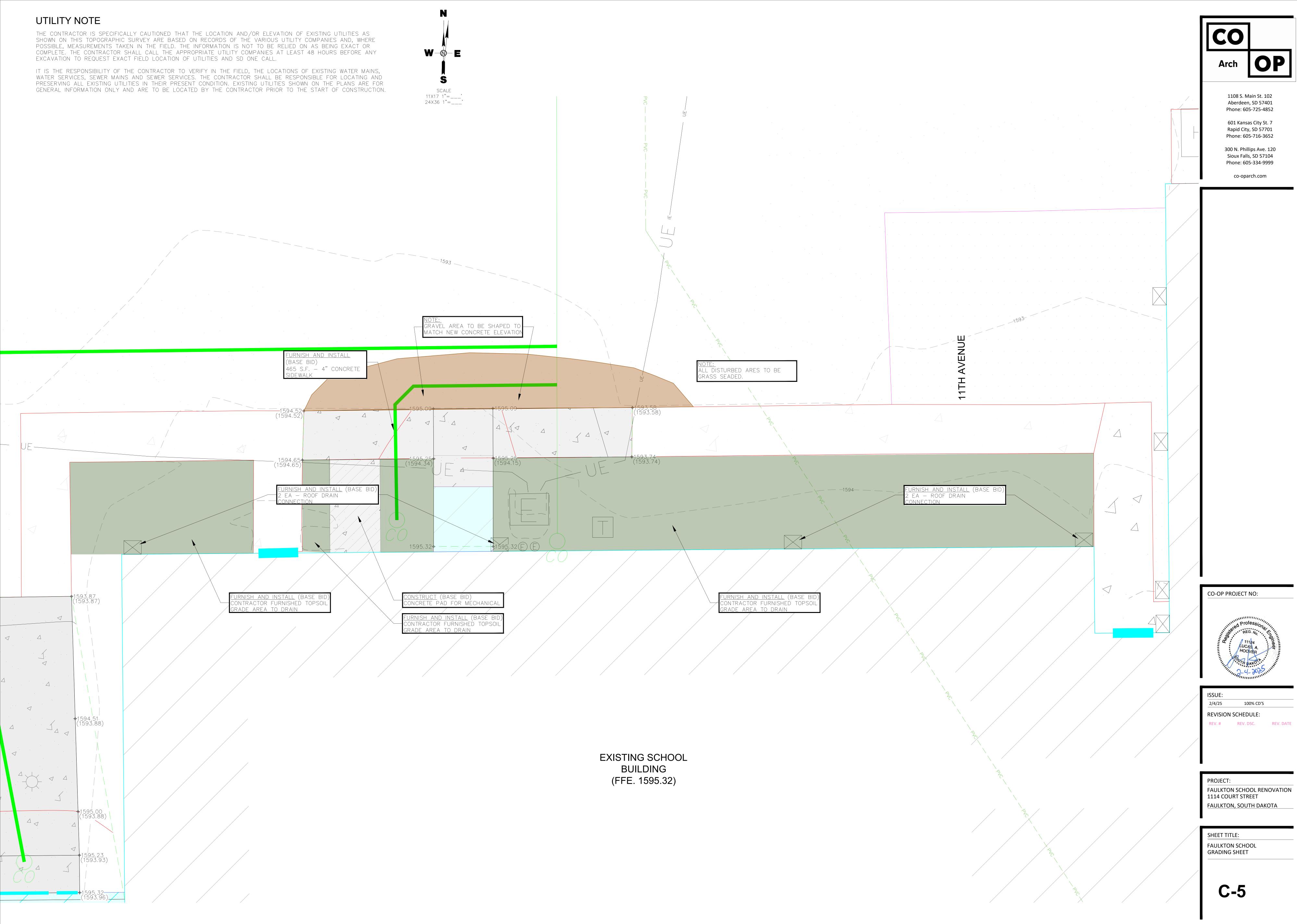
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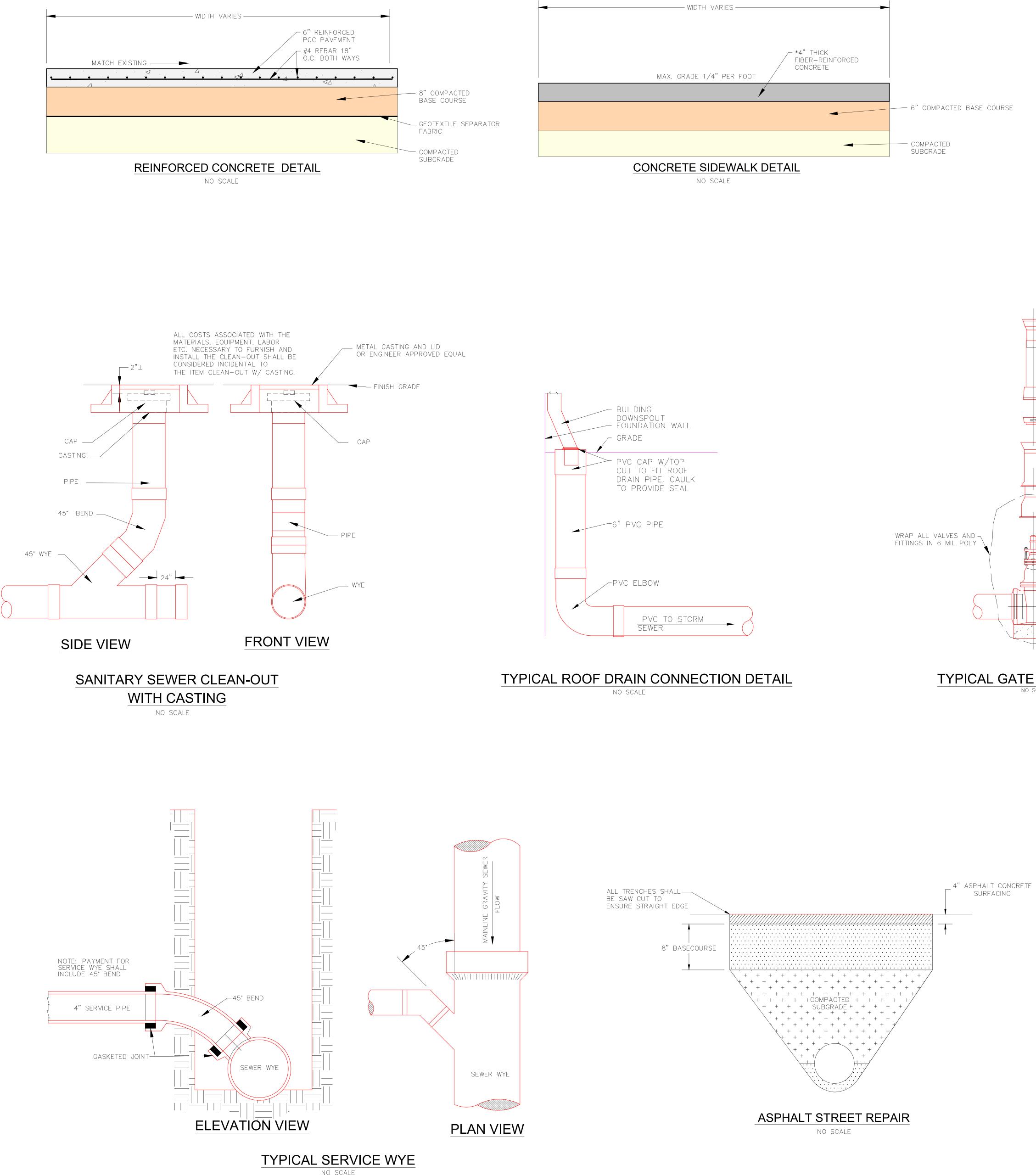
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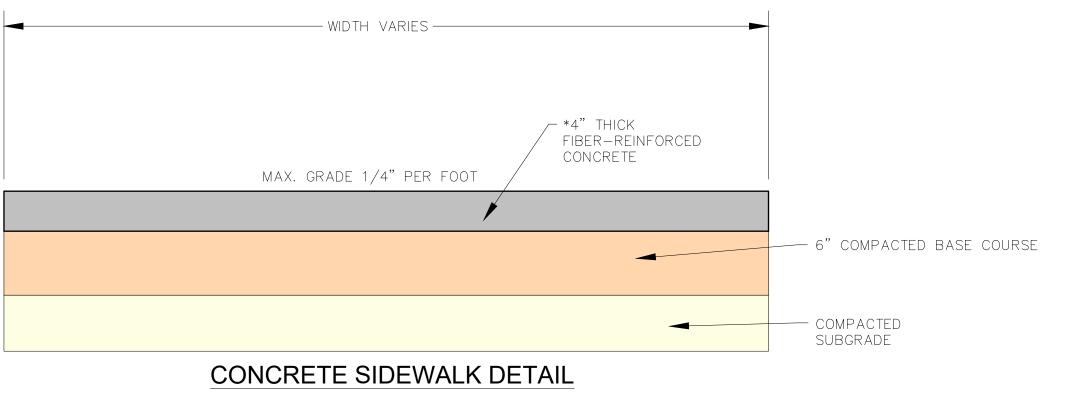
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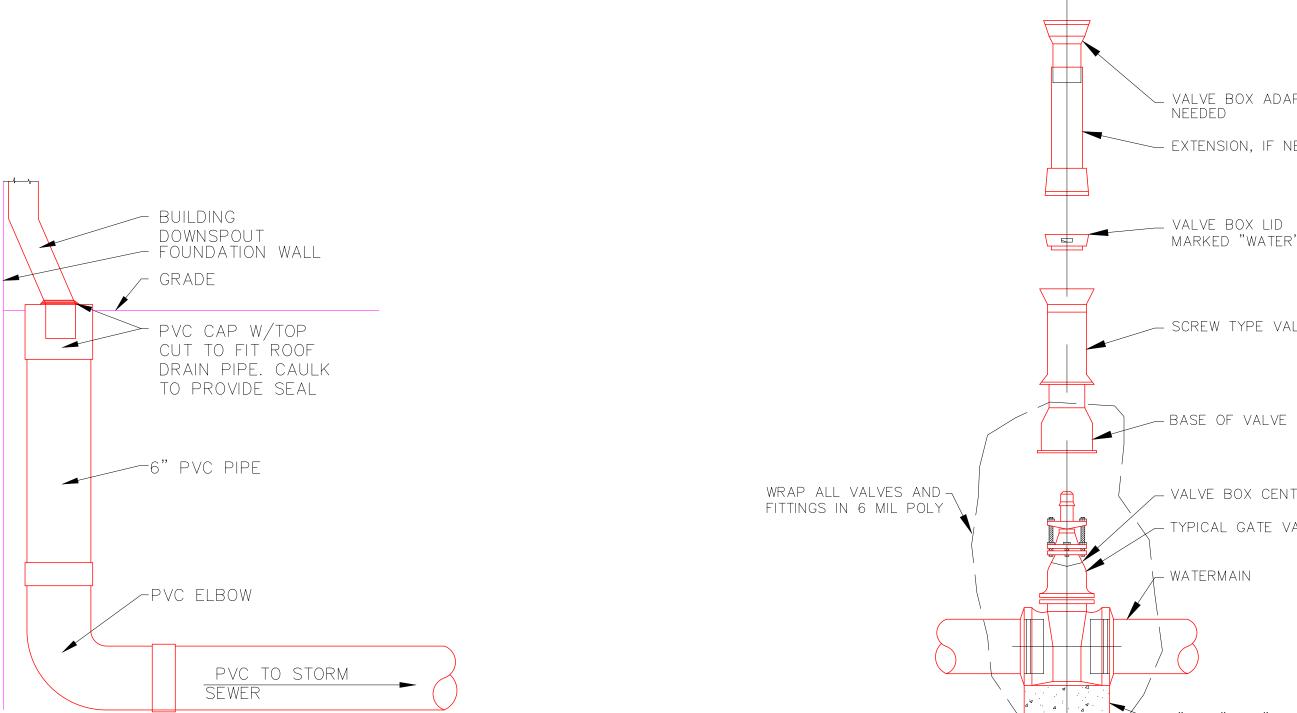












#### TYPICAL GATE VALVE DETAIL NO SCALE

## ──8" X 8" X 4" CONCRETE BLOCK BLOCK SHALL BE AGAINST UNDISTURBED EARTH

🔪 VALVE BOX ADAPTER, IF

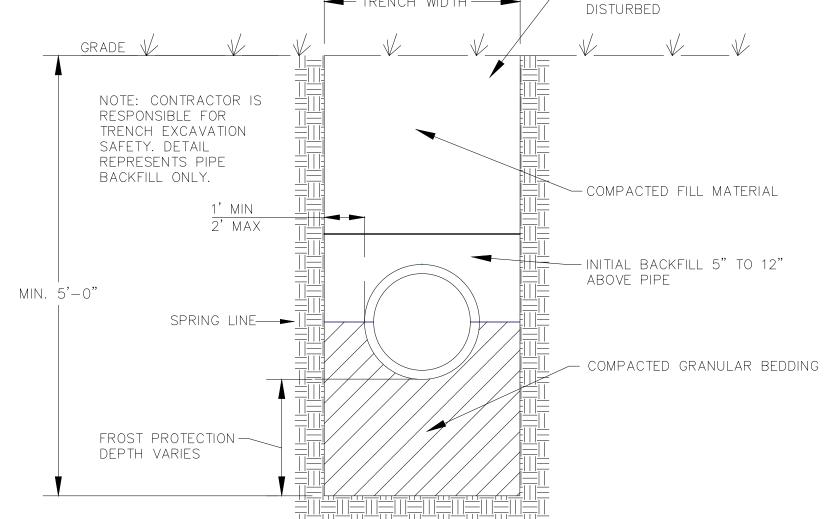
MARKED "WATER"

SCREW TYPE VALVE BOX

BASE OF VALVE BOX

NEEDED

# - VALVE BOX CENTERING DEVICE TYPICAL GATE VALVE }– WATERMAIN .



PIPE BEDDING/EXCAVATION DETAIL

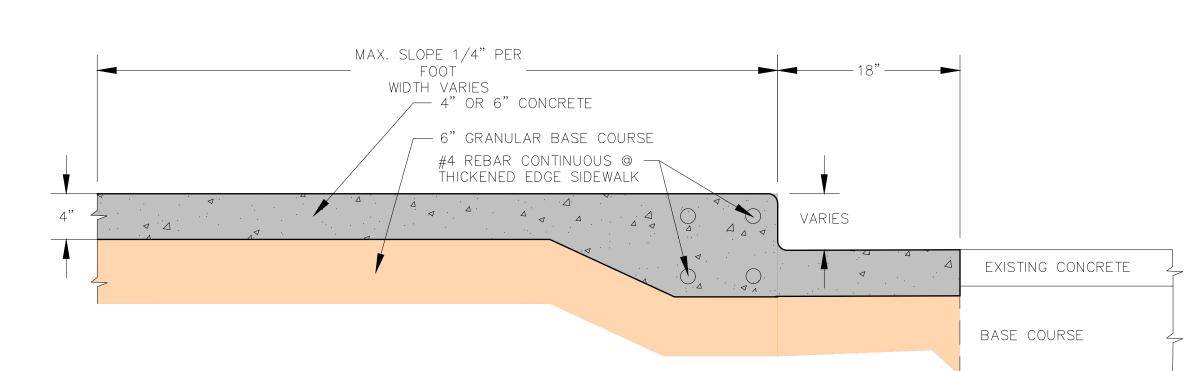
NO SCALE

TRENCH WIDTH

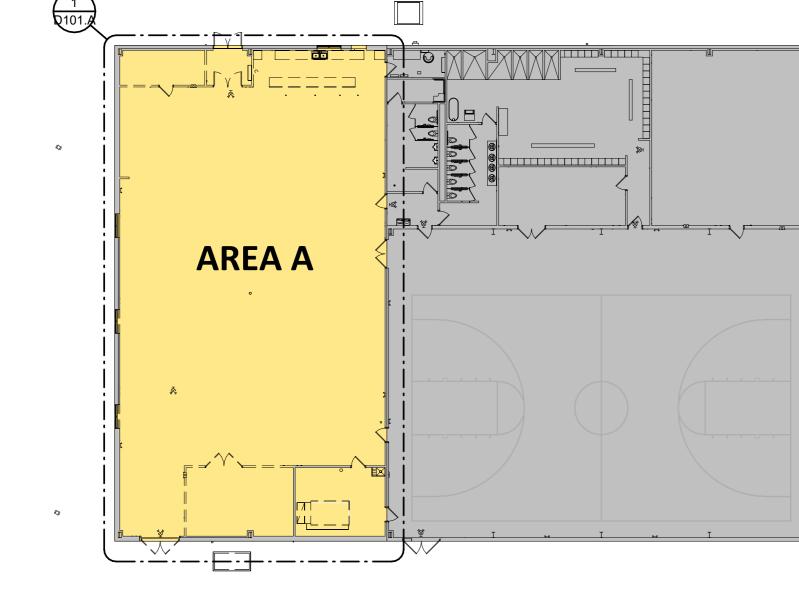
- MIN. 6" TOPSOIL IN

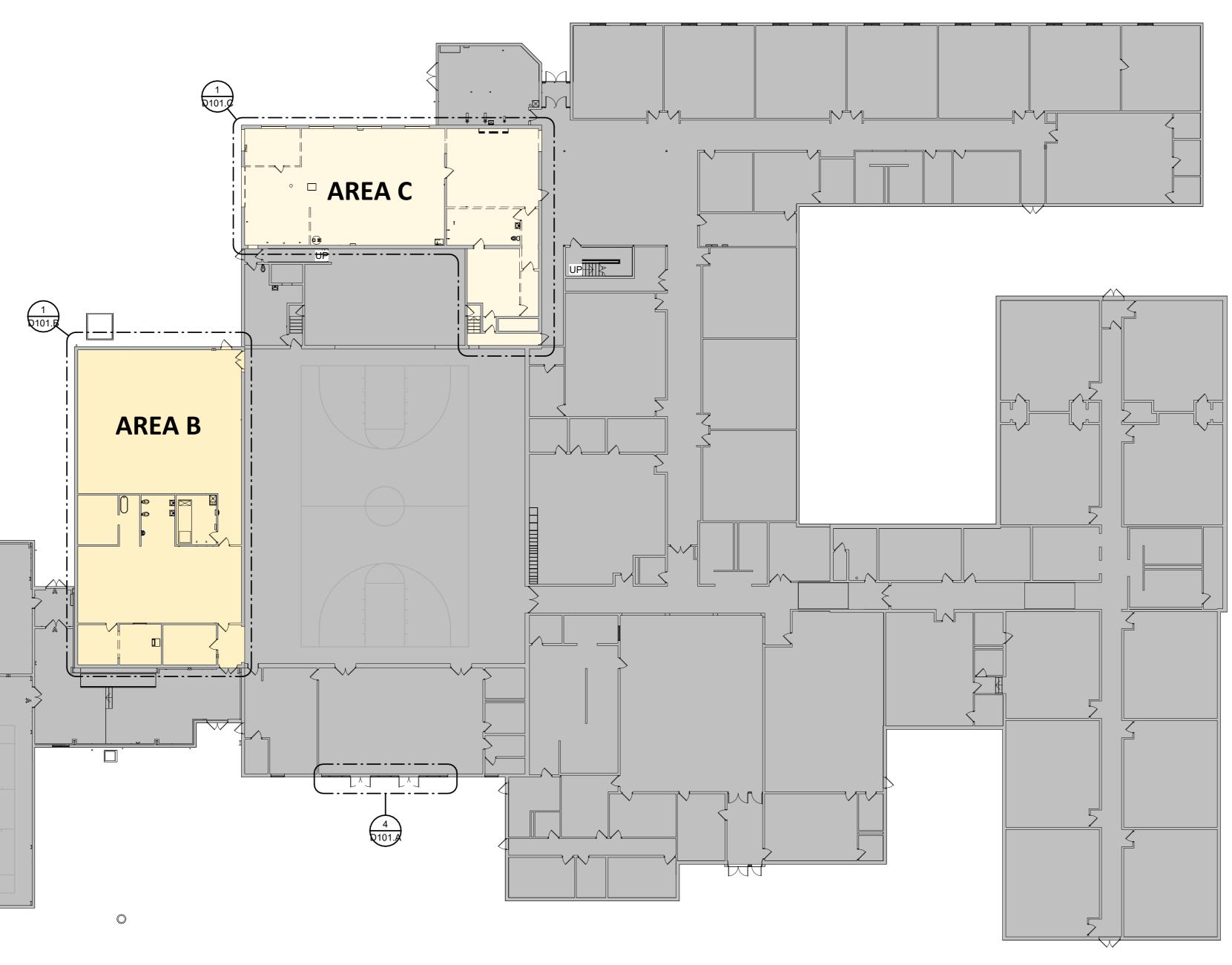
AREAS TO BE

#### 4" OR 6" THICKENED EDGE DETAIL NO SCALE



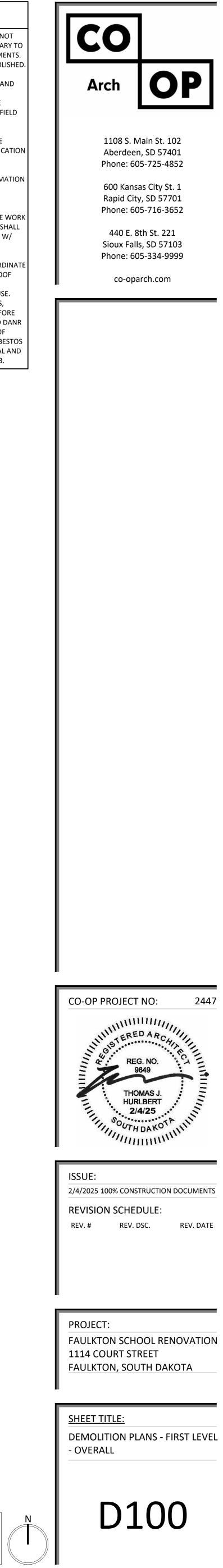






## **GENERAL NOTES**

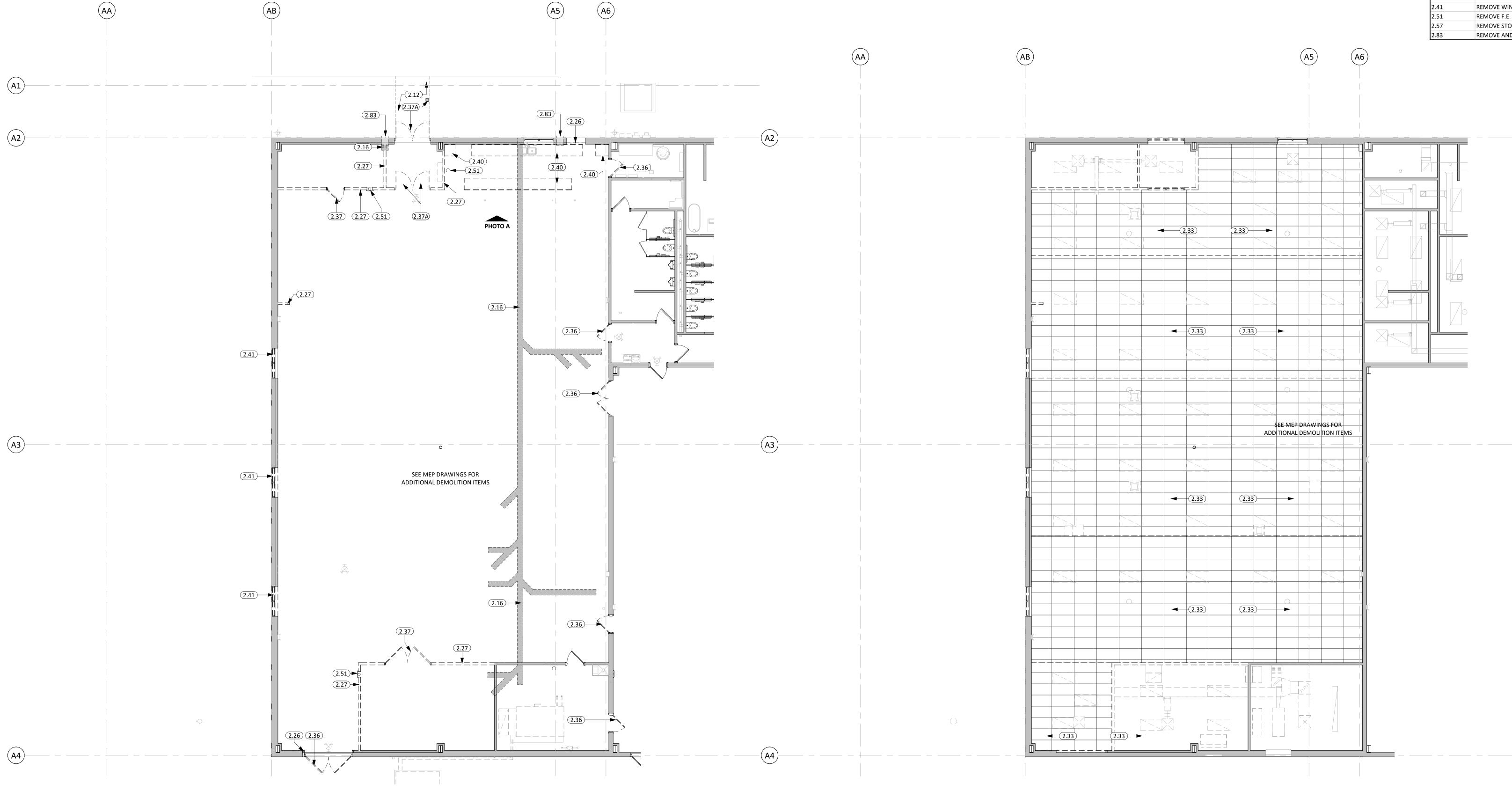
- DEMOLITION SHALL INCLUDE ALL ITEMS KEYNOTED ON DEMOLITION SHEETS, BUT ARE NOT LIMITED TO THESE ITEMS. CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION NECESSARY TO ALLOW FOR COMPLETION OF THE WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS.
   AT FLOOR PLANS DASHED LINES INDICATE WALLS OR PORTIONS OF WALLS TO BE DEMOLISHED.
- 2. AT FLOOR PLANS DASHED LINES INDICATE WALLS OR PORTIONS OF WALLS TO BE L ALL SHADED WALLS REPRESENT EXISTING WALLS TO REMAIN.
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- COMMUNICATIONS THEREIN, UNLESS OTHERWISE NOTED TO BE SALVAGED. 4. 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.5. CONTRACTOR TO PROTECT EXISTING MATERIALS/SPACES WHICH ARE TO REMAIN OR BE
- REUSED. ALL SURFACES DAMAGED DURING DEMOLITION SHALLBE 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. 8. 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 SDDANR ASBESTOS INFORMATION BROCHURE TO REVIEW GUIDELINES AND REQUIREMENTS. ANY REMOVAL AND REMEDIATION WILL BE RESPONSIBILITY OF THE OWNER PRE GENERAL CONDITIONS 10.3.



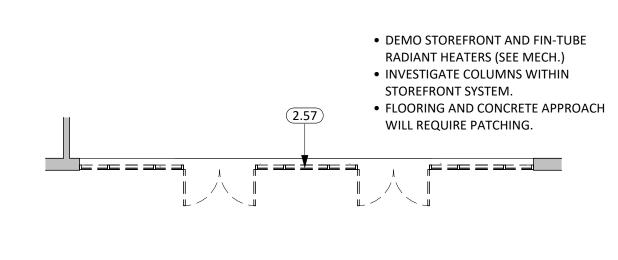


EXISTING PHOTO A

SALVAGE ALL CASEWORK & APPLIANCES/ FIXTURES.





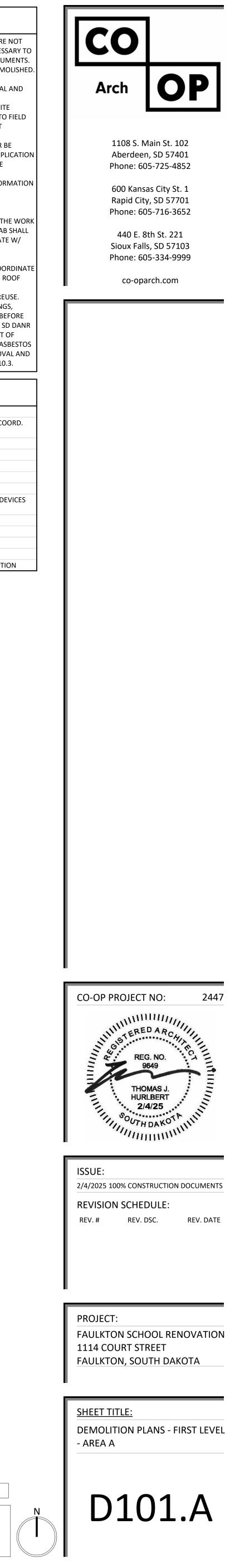




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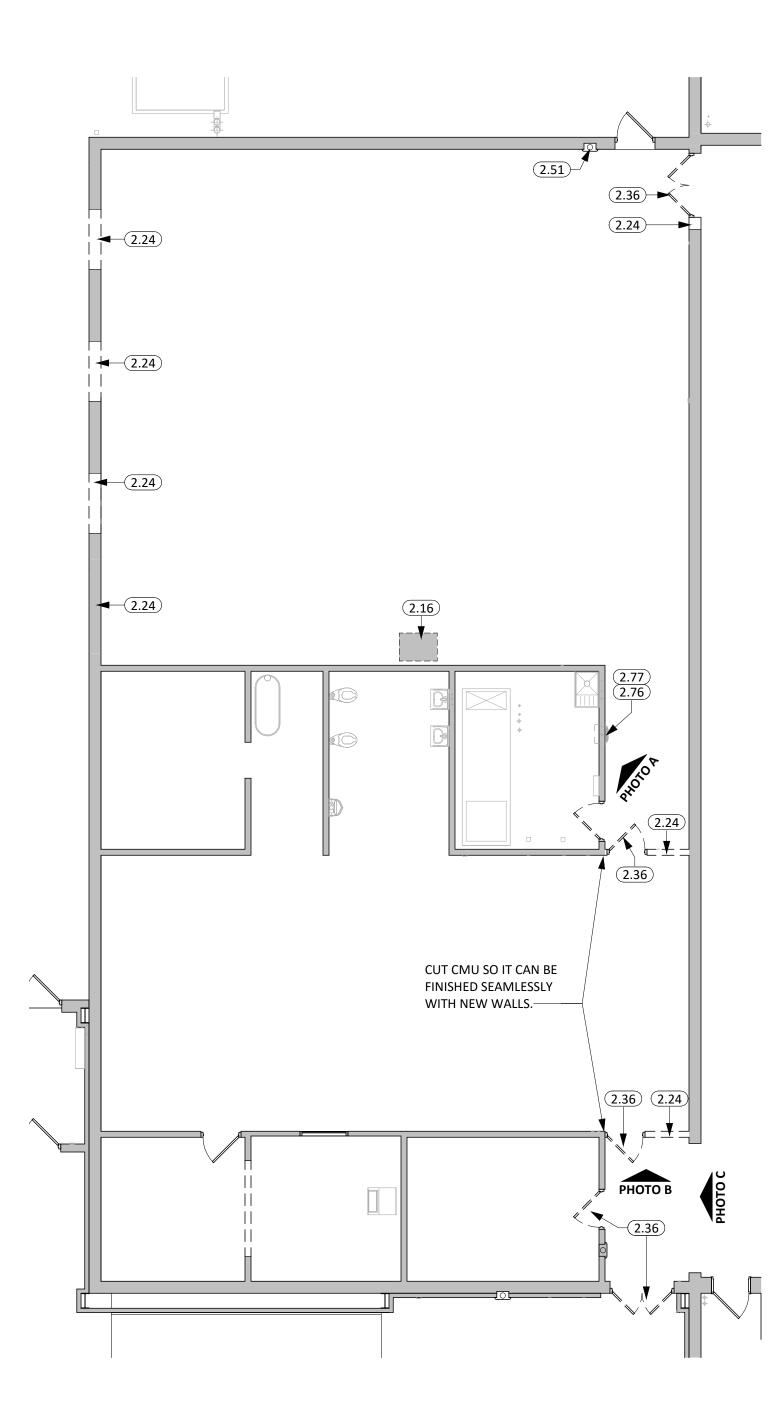
	<b>KEYNOTE SCHEDULE</b>
2.12	REMOVE CONCRETE SIDEWALK TO NEAREST JOINT
2.16	REMOVE PORTION OF CONC. SLAB TO ACCOMODATE NEW PLUMBING, COC WITH M.E.P.
2.26	REMOVE PORTION OF STUD FRAMED WALL
2.27	REMOVE STUD FRAMED WALL
2.33	REMOVE ACOUSTIC PANEL CEILING
2.36	REMOVE DOOR & H.M. FRAME
2.37	REMOVE DOOR & WOOD FRAME
2.37A	REMOVE STOREFRONT DOOR, FRAMING, AND ALL ASSOCIATED CLOSER DEV 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 DEMOLITIO



ALTERNATE #3, REMOVE STOREFRONT FRAMING

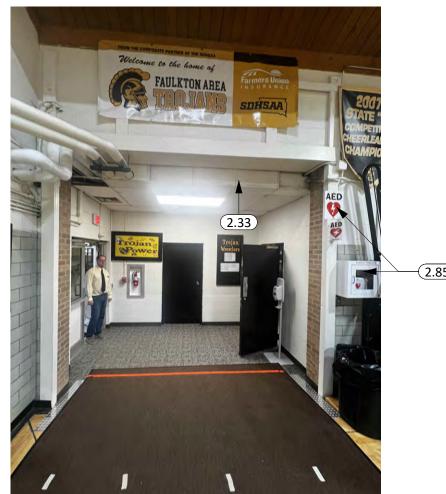


EXISTING PHOTO A



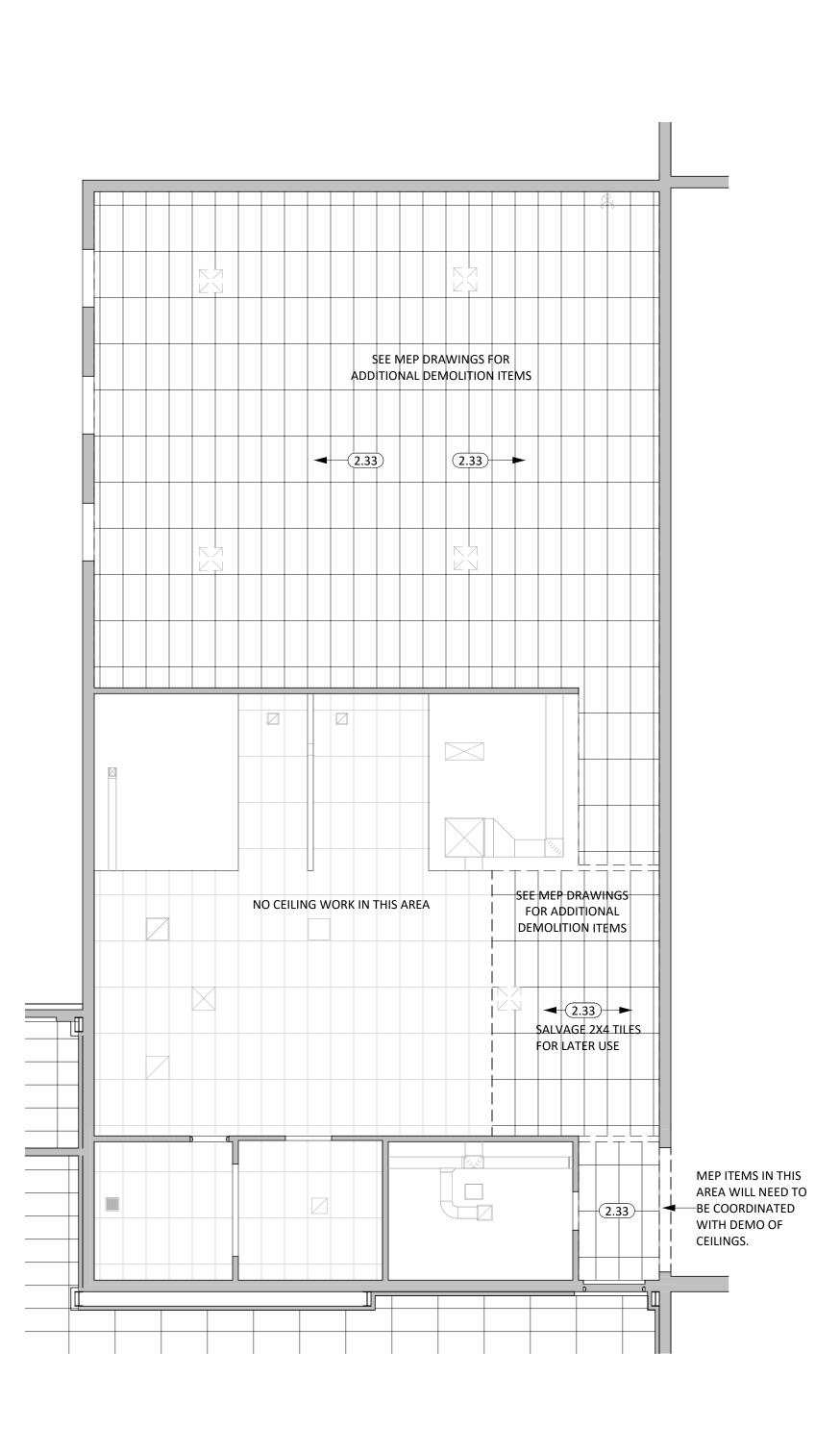
FIRST LEVEL DEMO PLAN - AREA B





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EXISTING PHOTO C

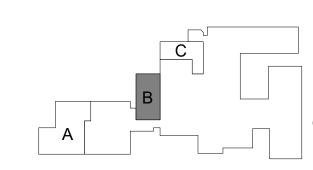


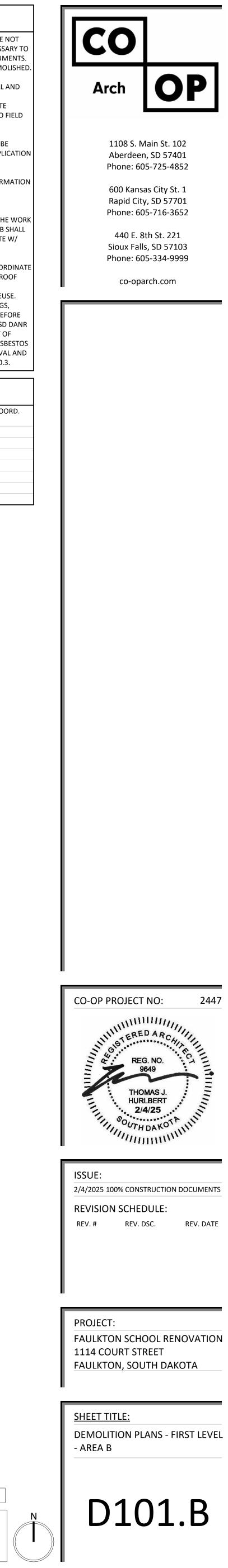
FIRST LEVEL DEMO RCP - AREA B

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- 4. 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.
- 5. CONTRACTOR TO PROTECT EXISTING MATERIALS/SPACES WHICH ARE TO REMAIN OR BE REUSED. ALL SURFACES DAMAGED DURING DEMOLITION SHALLBE 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
- DEMOLITION.
  8. 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 SDDANR ASBESTOS INFORMATION BROCHURE TO REVIEW GUIDELINES AND REQUIREMENTS. ANY REMOVAL AND REMEDIATION WILL BE RESPONSIBILITY OF THE OWNER PRE GENERAL CONDITIONS 10.3.

	<b>KEYNOTE SCHEDULE</b>								
2.16	REMOVE PORTION OF CONC. SLAB TO ACCOMODATE NEW PLUMBING, COO 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								

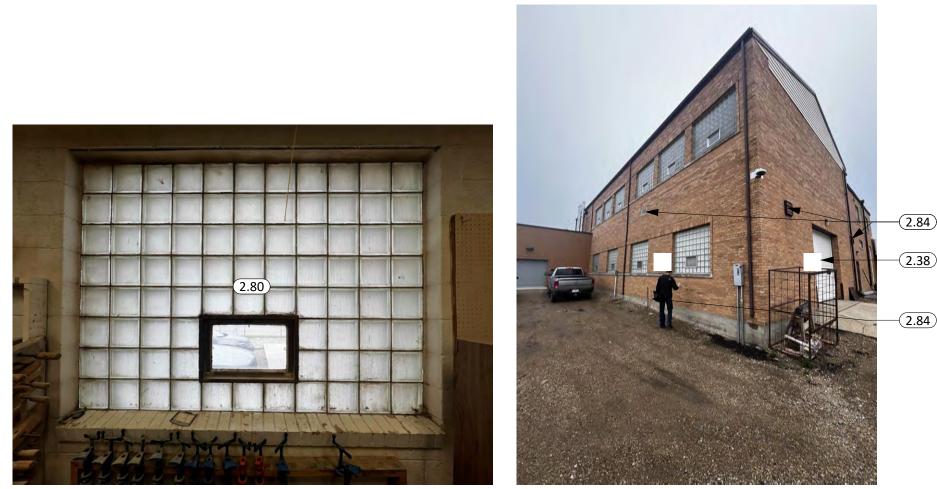




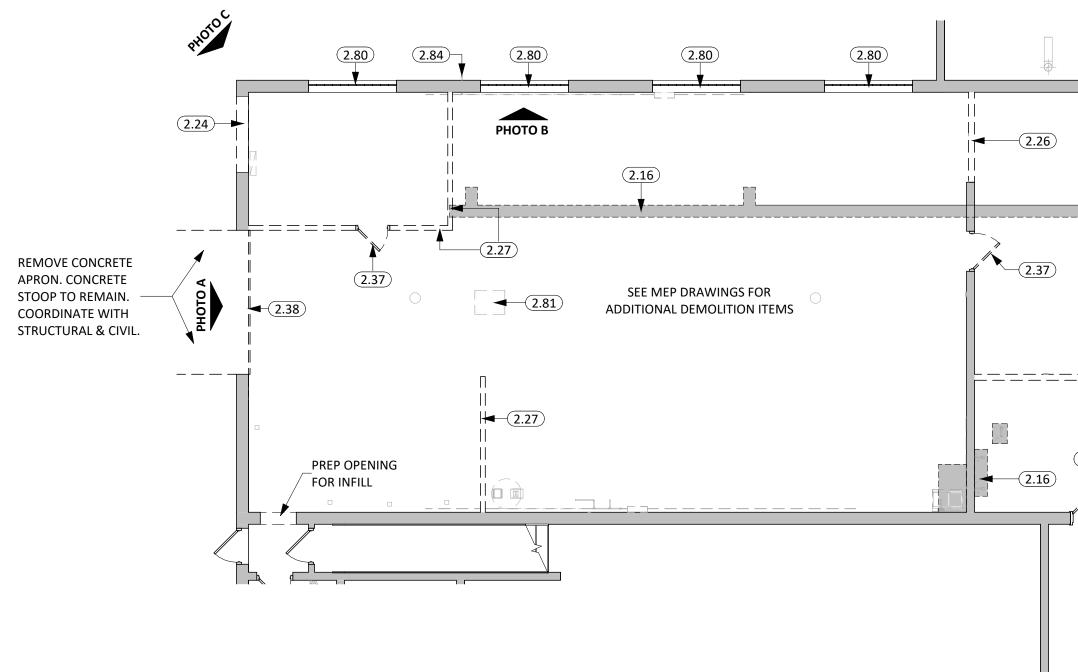


CONCRETE STOOP TO REMIAN. COORDINATE WITH STRUCTURAL REMOVE CONCRETE APRON.

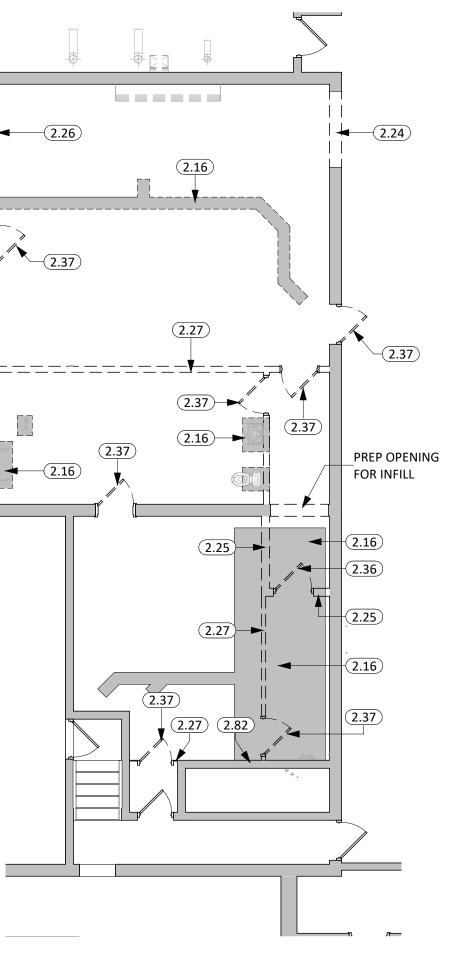
**EXISTING PHOTO A** • SEE MEP FOR ADDITIONAL DEMOLITION.



**EXISTING PHOTO B** • SEE SILL DETAIL ON A600 FOR ADDITIONAL INFORMATION.



**EXISTING PHOTO C**  SEE ELEVATIONS AND PLAN KEYNOTES FOR MORE DEMO INFORMATION SEE MEP FOR ADDITIONAL DEMOLITION INFORATION

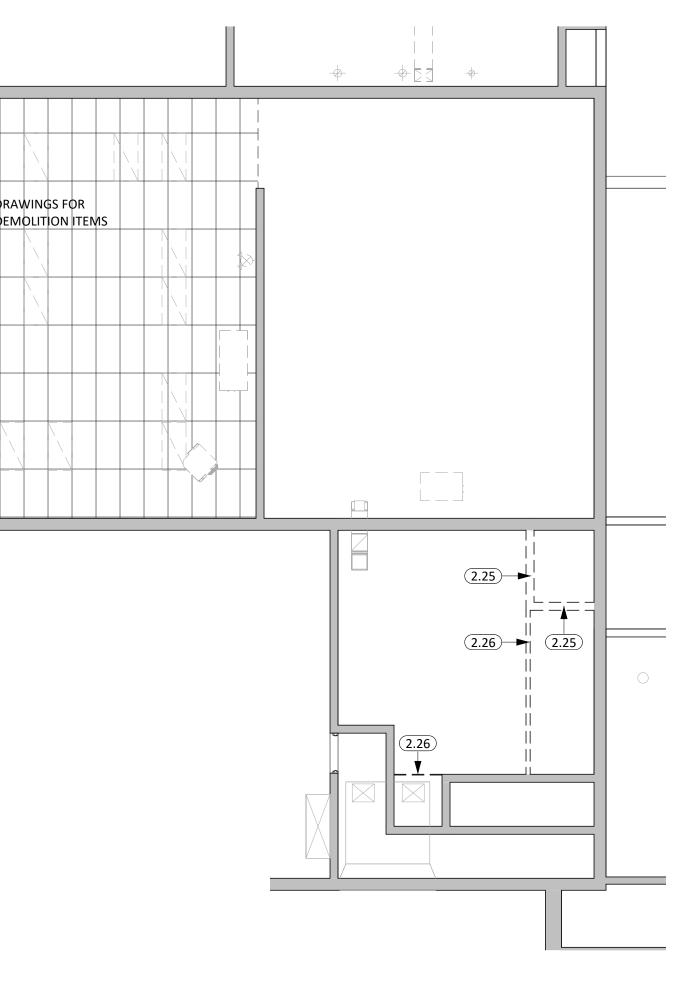


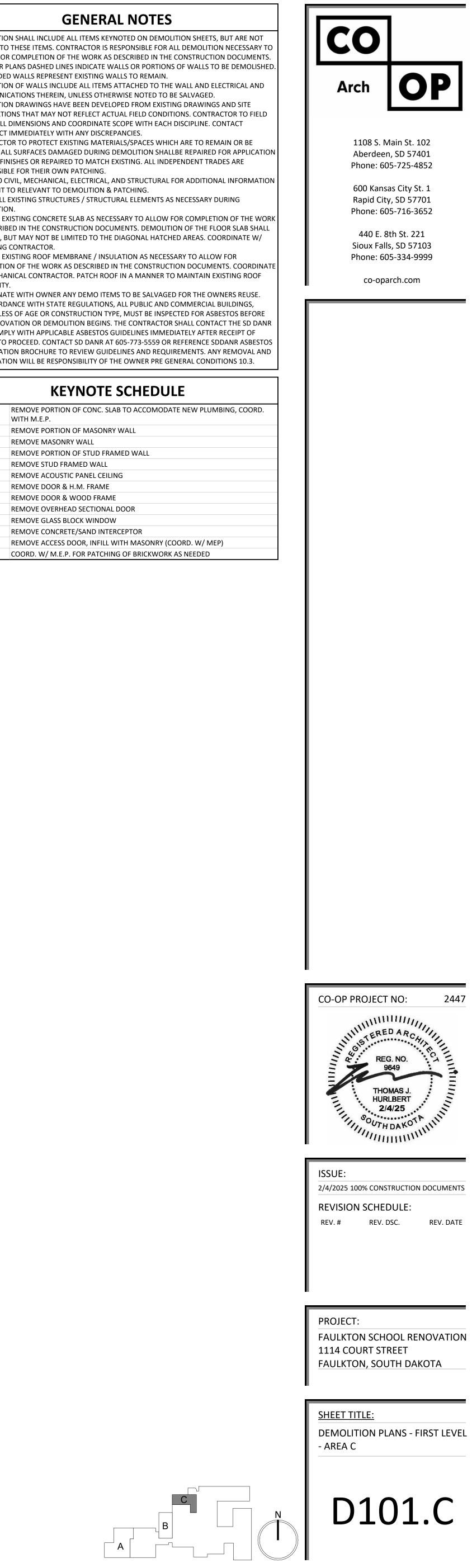
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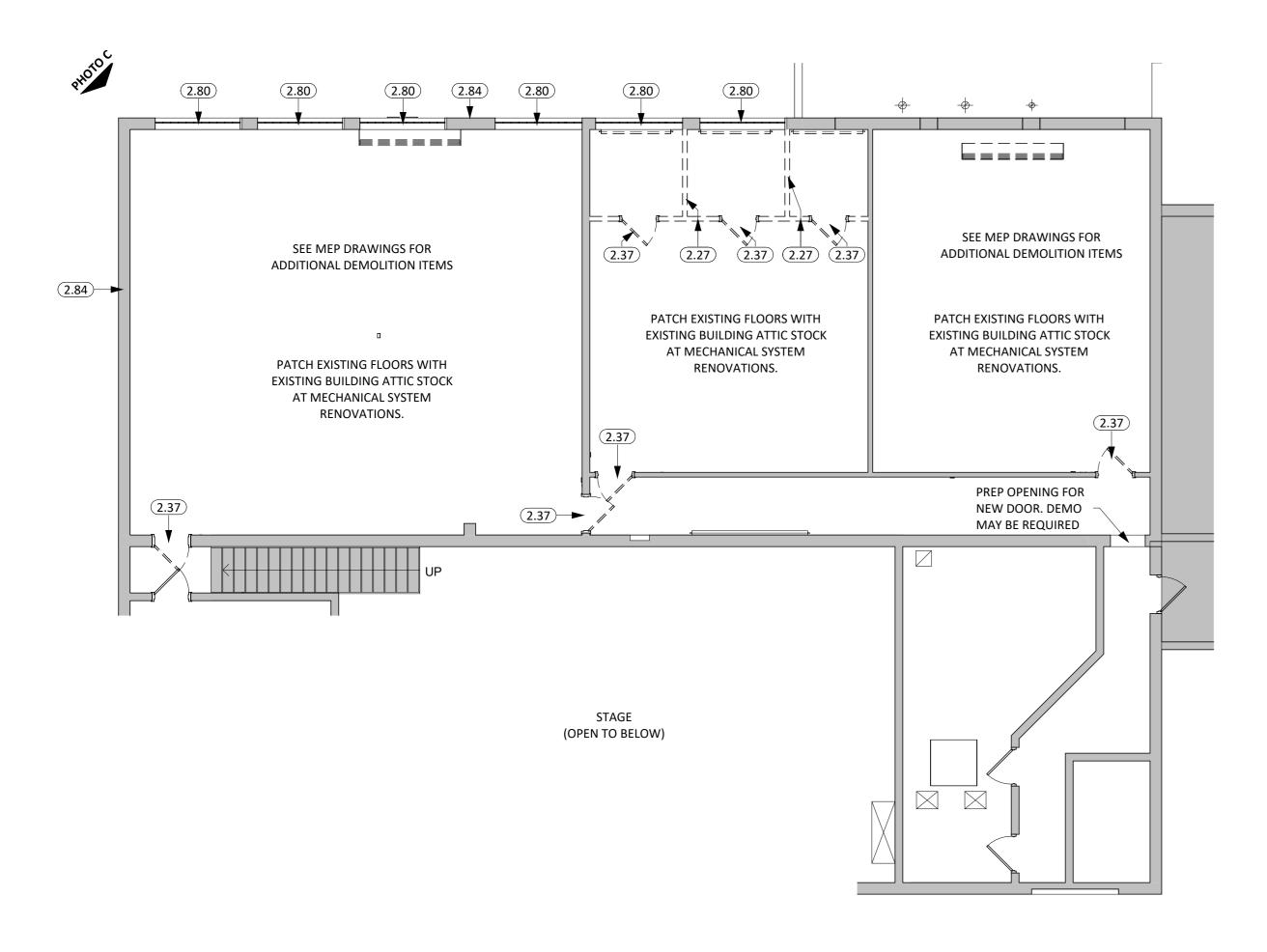
FIRST LEVEL DEMO RCP - AREA C 1/8" = 1'-0"

#### **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 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 SHALLBE 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. 0. COORDINATE WITH OWNER ANY DEMO ITEMS TO BE SALVAGED FOR THE OWNERS REUSE. 1. 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 SDDANR 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 ACCOMODATE NEW PLUMBING, CO 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



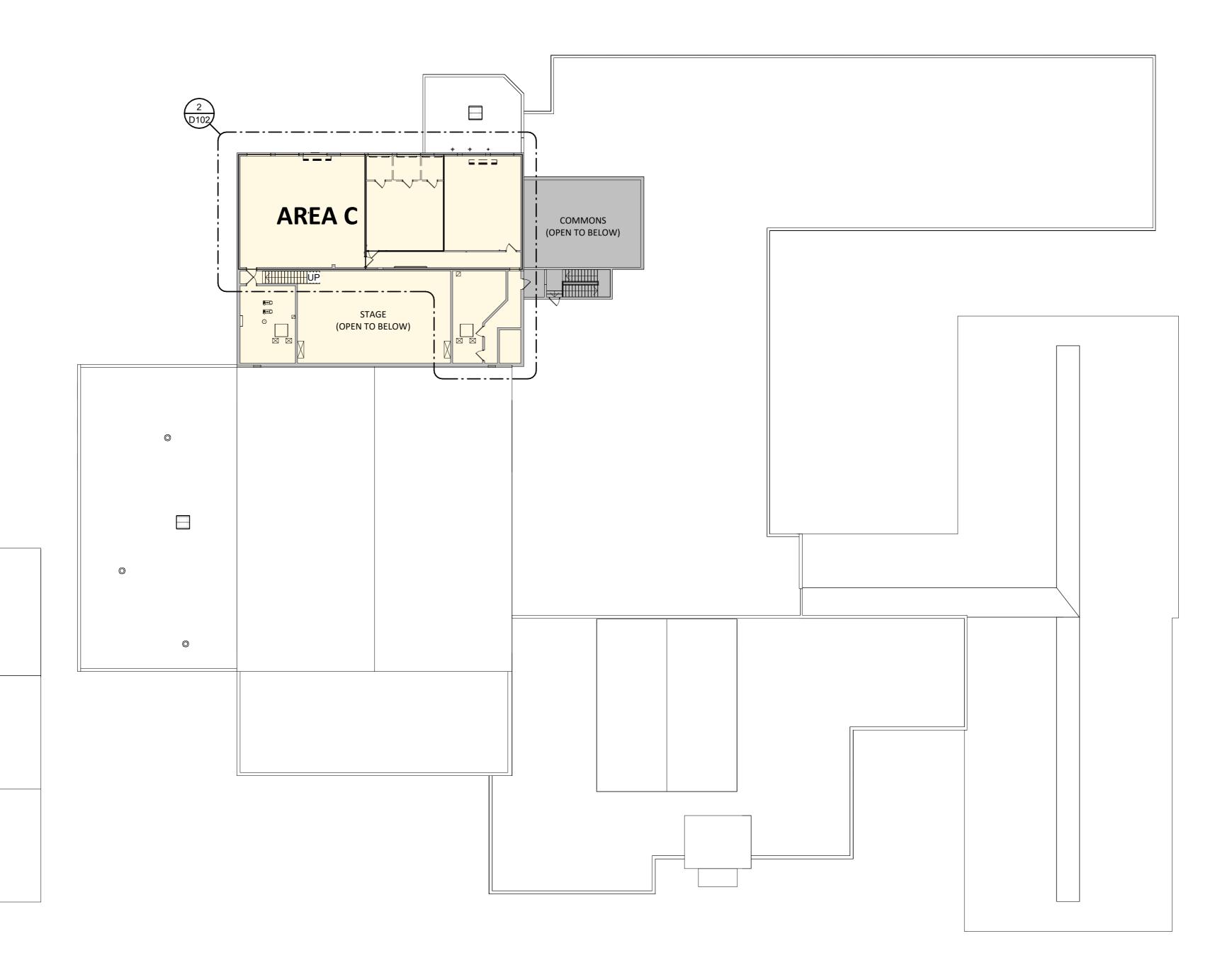


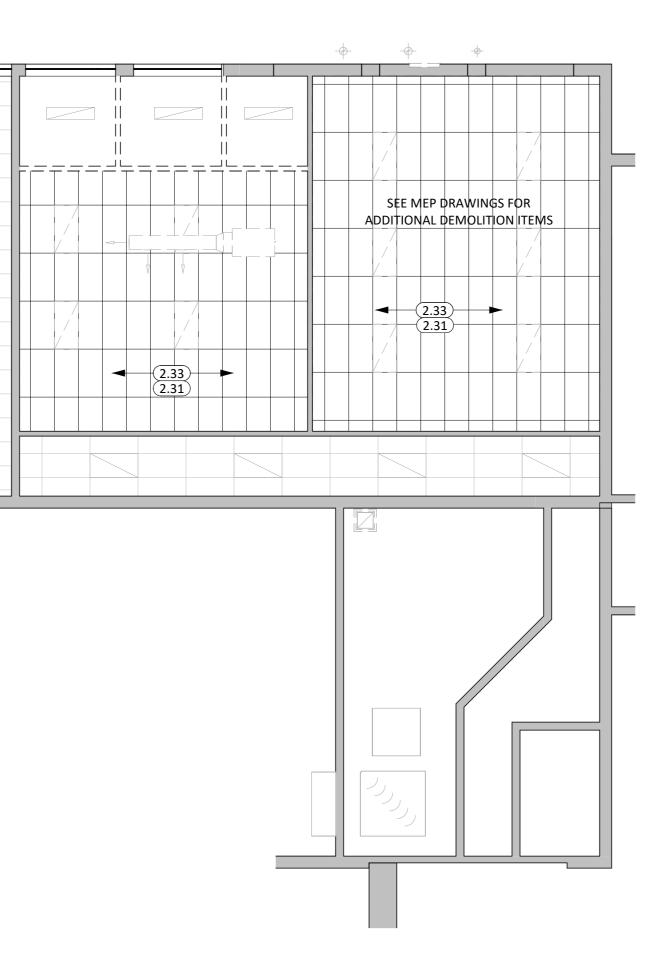


# SECOND LEVEL - DEMO PLAN - AREA C

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	ADDITIONAL DE		s
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SECOND LEVEL RCP - AREA C



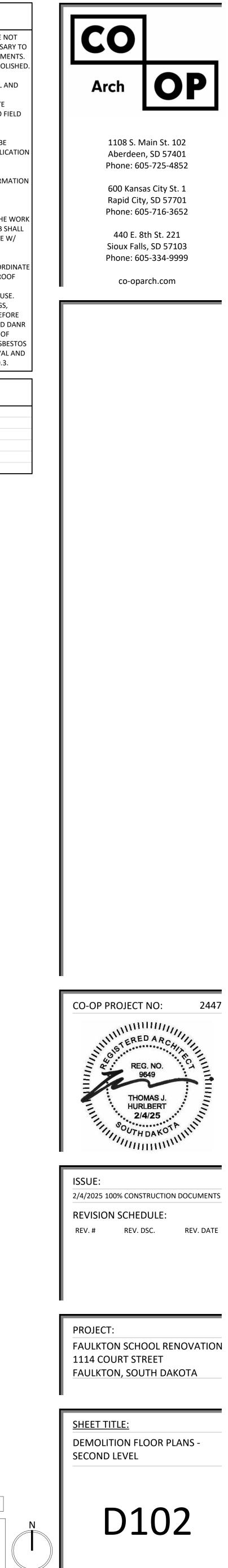


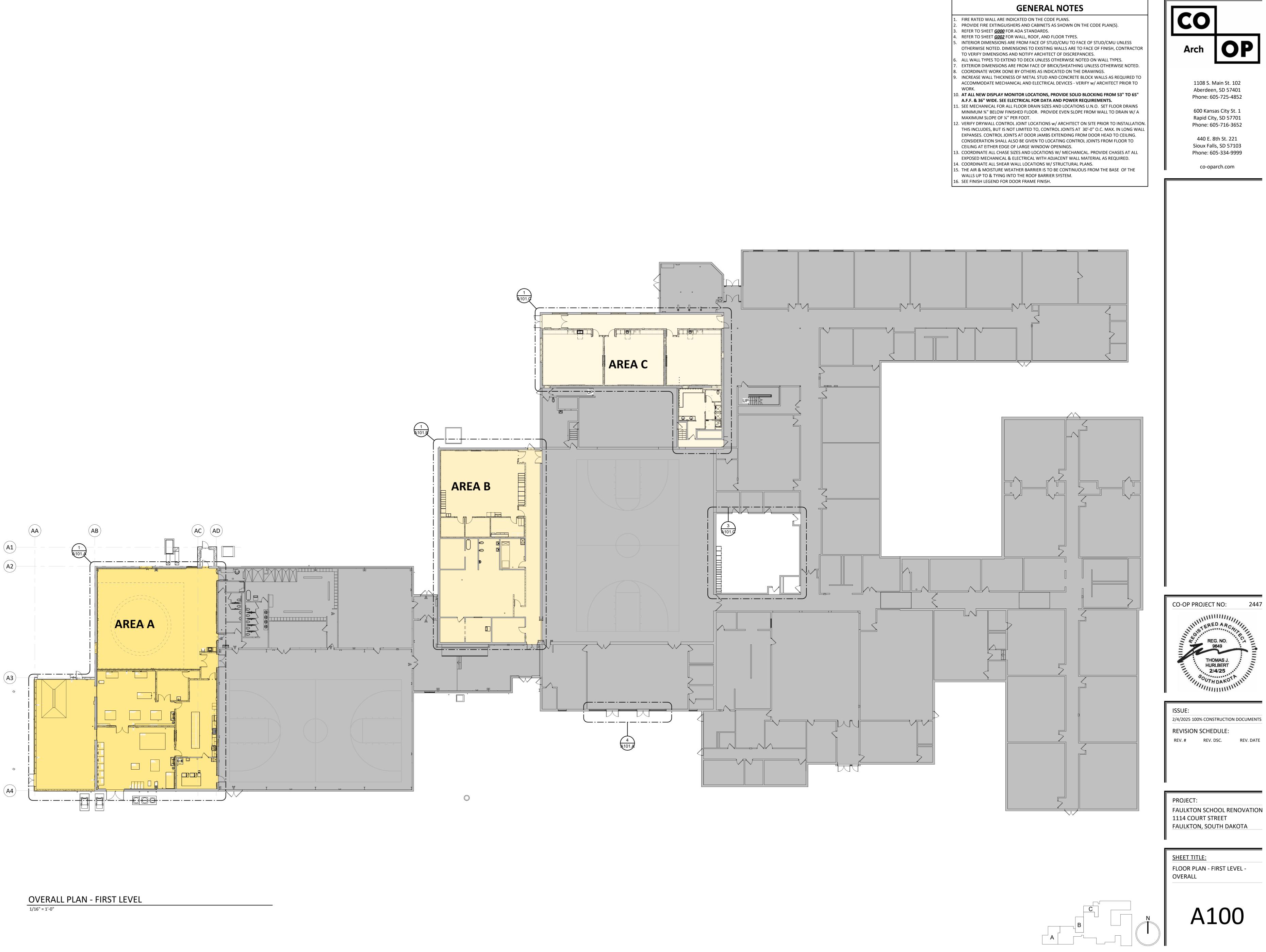
## **GENERAL NOTES**

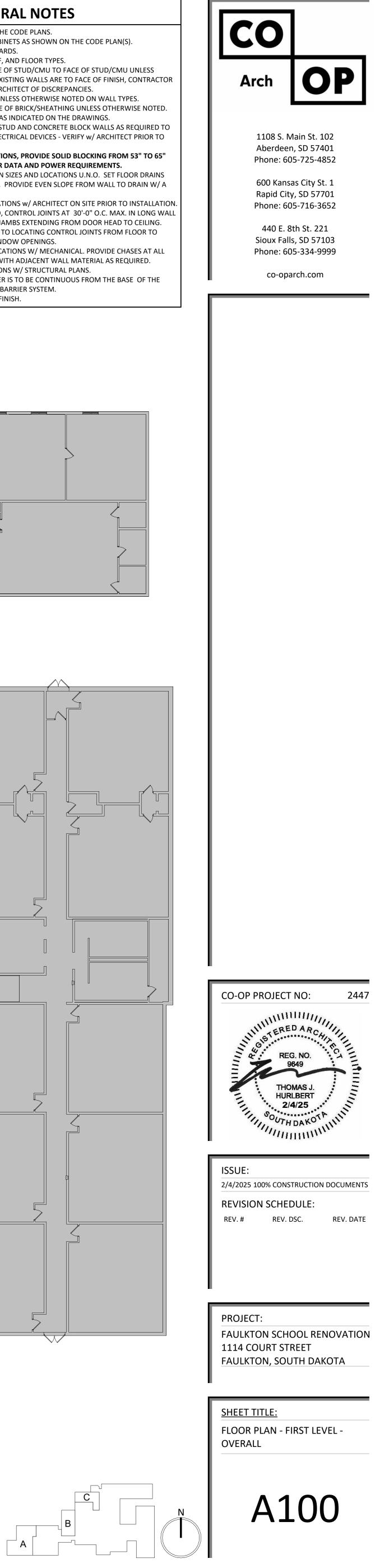
- DEMOLITION SHALL INCLUDE ALL ITEMS KEYNOTED ON DEMOLITION SHEETS, BUT ARE NOT LIMITED TO THESE ITEMS. CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION NECESSARY TO ALLOW FOR COMPLETION OF THE WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS.
- AT FLOOR PLANS DASHED LINES INDICATE WALLS OR PORTIONS OF WALLS 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.
  4. 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. 5. CONTRACTOR TO PROTECT EXISTING MATERIALS/SPACES WHICH ARE TO REMAIN OR BE REUSED. ALL SURFACES DAMAGED DURING DEMOLITION SHALLBE REPAIRED FOR APPLICATION OF NEW EINISHES OF REPAIRED TO MATCH EXISTING. ALL INDEPENDENT TRADES ARE
- OF NEW FINISHES OR REPAIRED TO MATCH EXISTING. ALL INDEPENDENT TRADES ARE RESPONSIBLE FOR THEIR OWN PATCHING.
  6. 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.
   DEMOL/FEVISTING CONCESSER STRUCTURAL ELEMENTS AS NECESSARY DURING
- 8. 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 SDDANR 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**

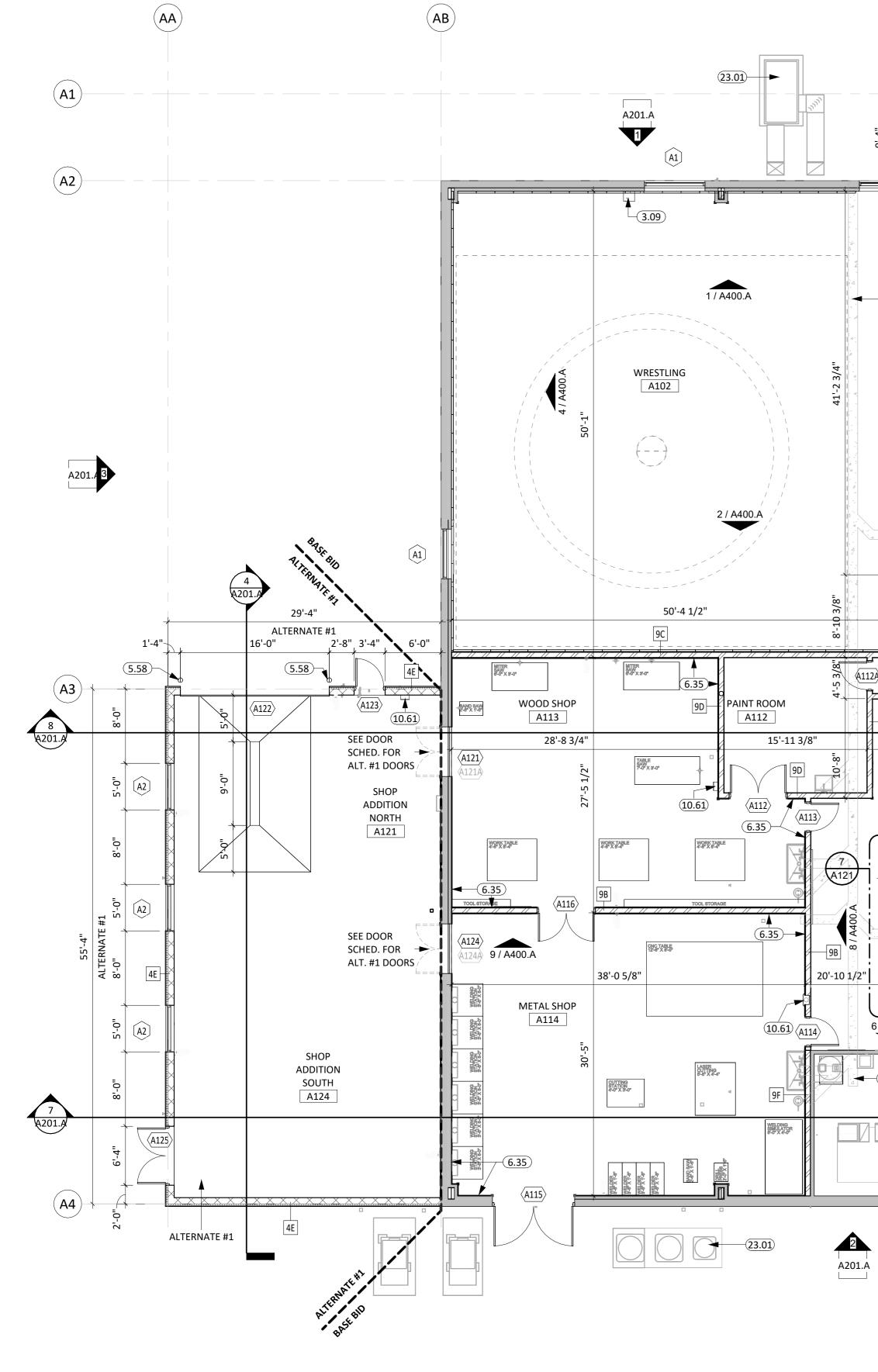
2.27	REMOVE STUD FRAMED WALL
2.31	REMOVE PARTICLE BOARD FROM BOTTOM OF DECK
2.33	REMOVE ACOUSTIC PANEL CEILING
2.37	REMOVE DOOR & WOOD FRAME
2.80	REMOVE GLASS BLOCK WINDOW
2.84	COORD. W/ M.E.P. FOR PATCHING OF BRICKWORK AS NEEDED







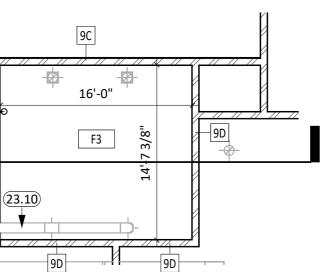


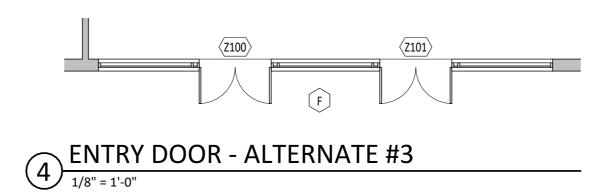




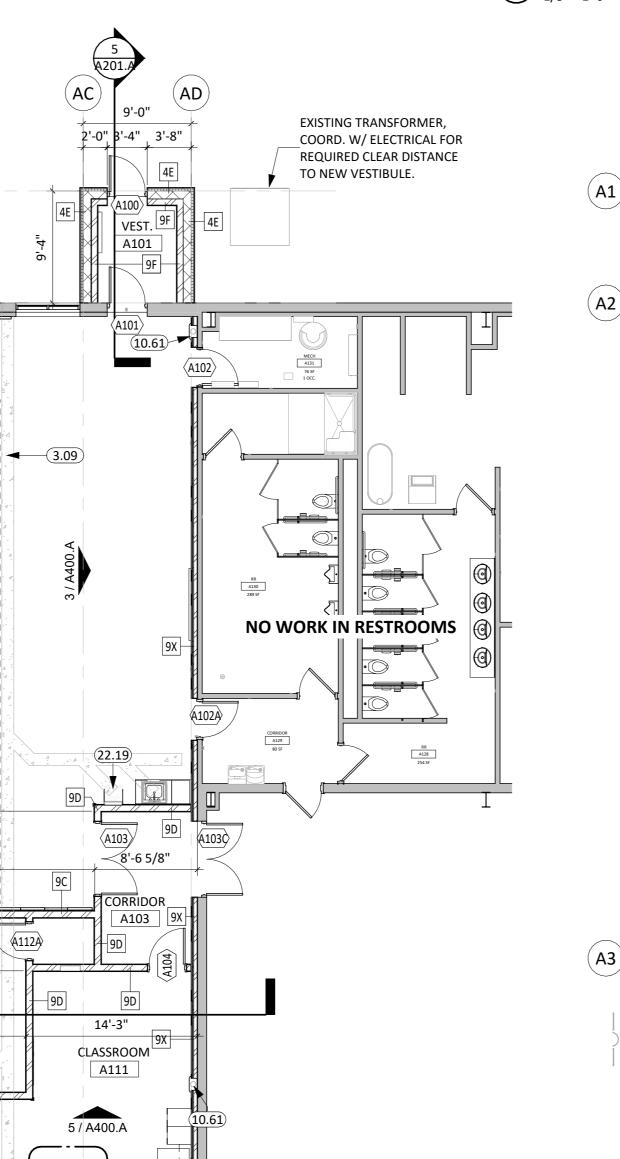
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## STORAGE MEZZANINE - AREA A



METAL LINER

PANEL FINISH

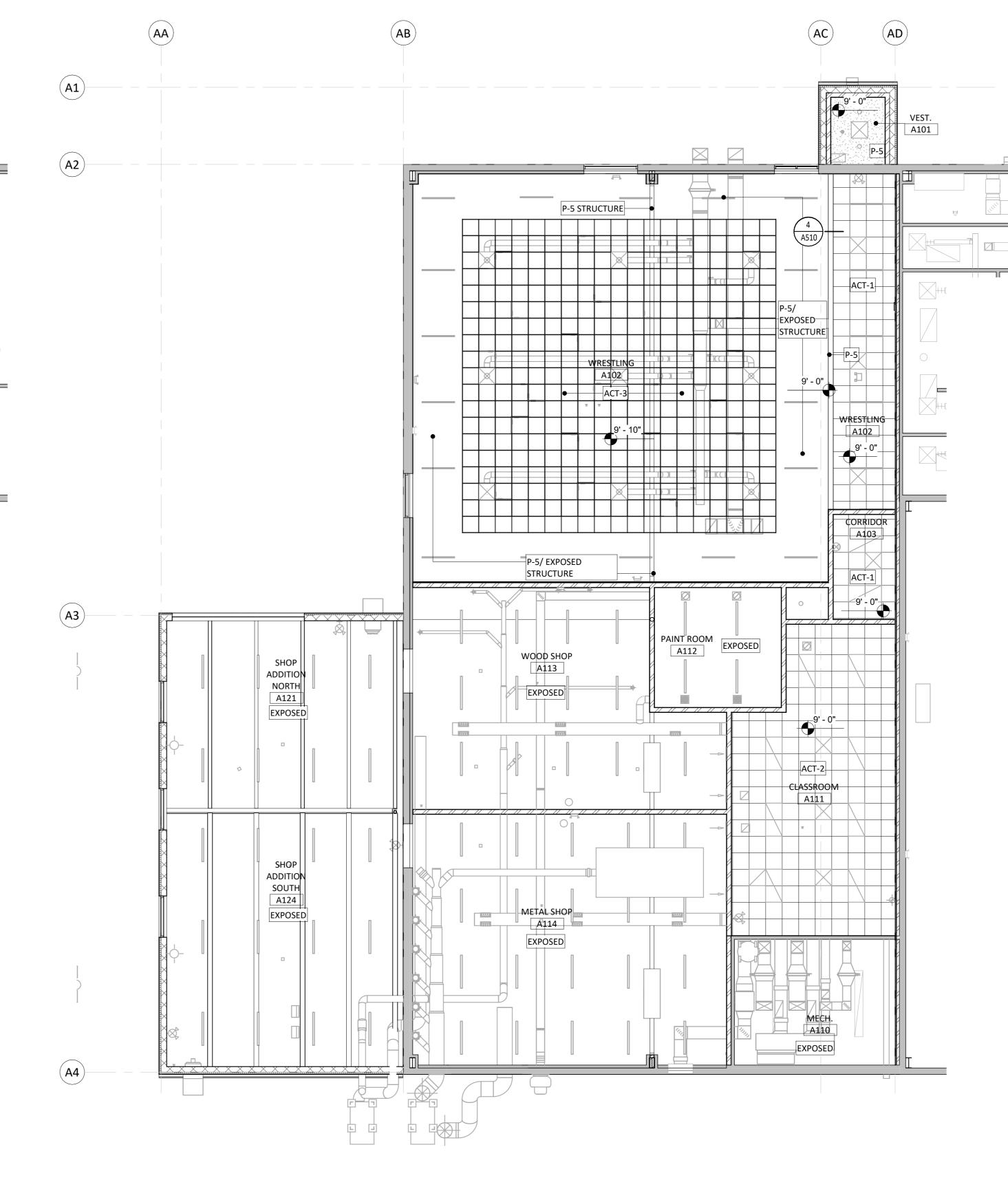
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MECH

A110

(A111)

MATCH EXISTING

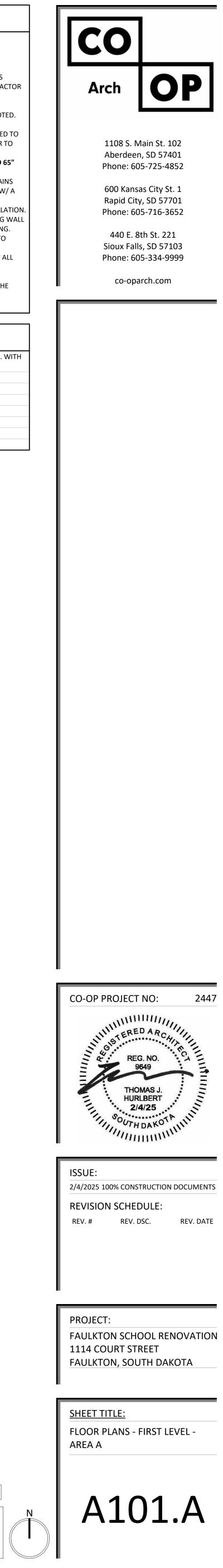


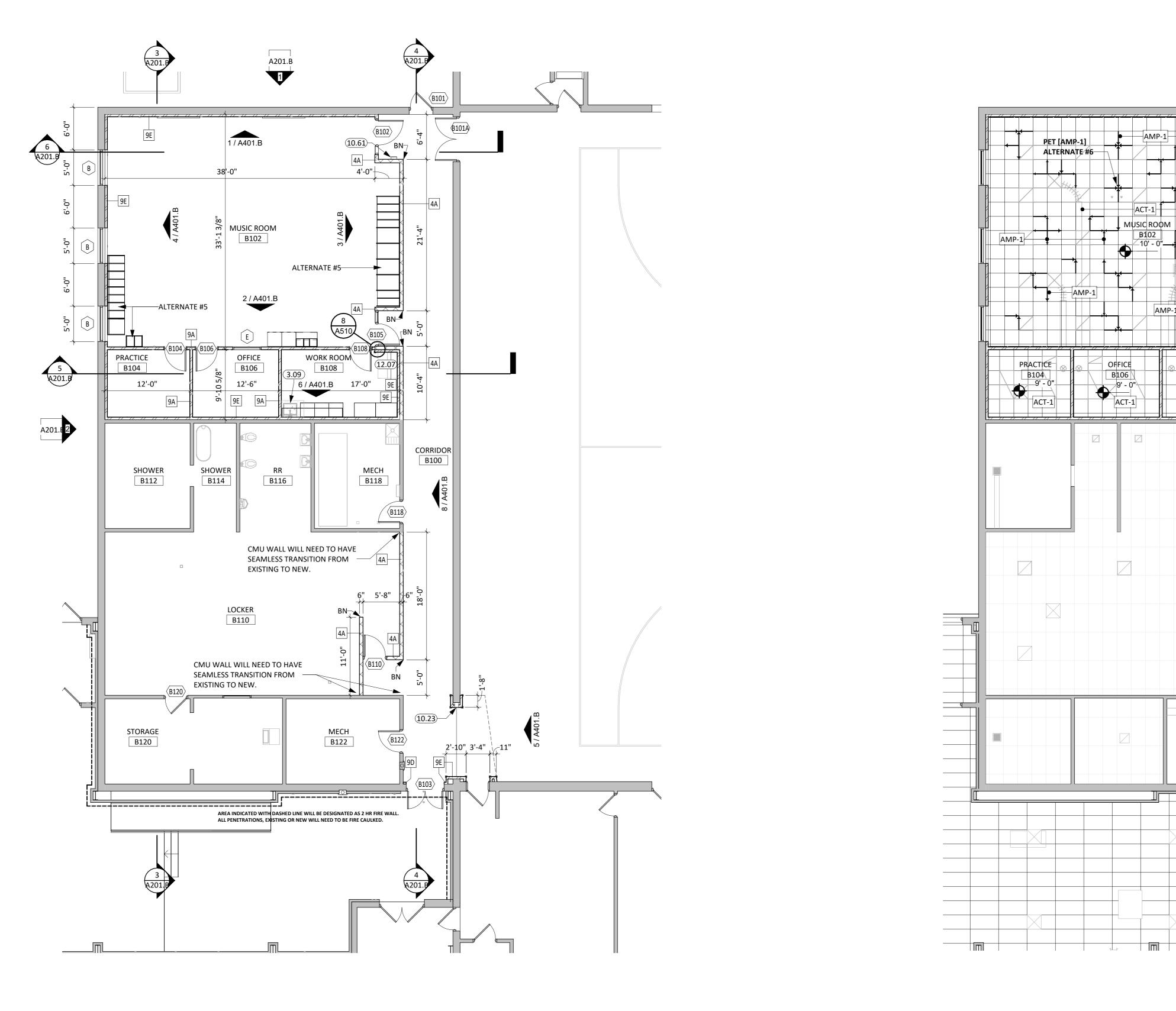
## **GENERAL NOTES**

- FIRE RATED WALL ARE INDICATED ON THE CODE PLANS.
   PROVIDE FIRE EXTINGUISHERS AND CABINETS AS SHOWN ON THE CODE PLAN(S).
- . REFER TO SHEET <u>GOOO</u> FOR ADA STANDARDS. . REFER TO SHEET <u>GOO2</u> 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.
- EXTERIOR DIMENSIONS ARE FROM FACE OF BRICK/SHEATHING ONCESS 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
- INCREASE WALL THICKNESS OF METAL STOD 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 ¾" BELOW FINISHED FLOOR. PROVIDE EVEN SLOPE FROM WALL TO DRAIN W/ A
- MAXIMUM SLOPE OF ¼" 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.

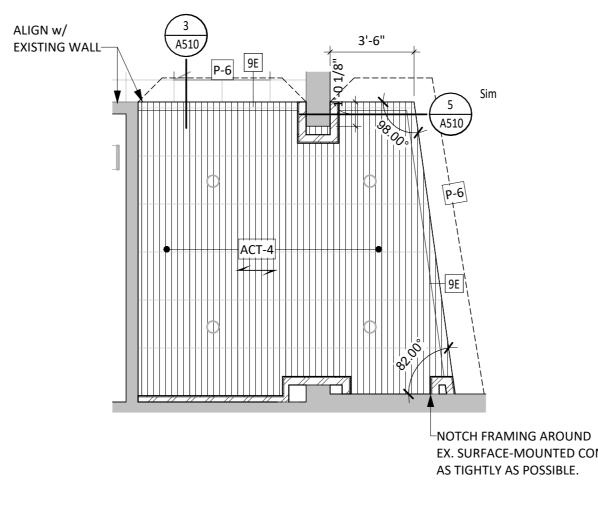
	<b>KEYNOTE SCHEDULE</b>
3.09	PATCH CONCRETE AT NEW BELOW GRADE PLUMBING LOCATIONS, COORD. M.E.P.
5.01	STRUCTURAL STEEL COLUMN (SEE ARCH. & STRUCT.)
5.58	PIPE BOLLARD (FILL w/cONC.) (SEE ARCH. & STRUCT.)
6.35	3/4" PLYWOOD
10.61	FIRE EXTINGUISHER AND WALL CABINET
22.19	ELKAY BOTTLE FILLING STATION, SEE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





## FIRST LEVEL PLAN - AREA B

## 1/8" = 1'-0"



3 ENLARGED SOFFIT PLAN

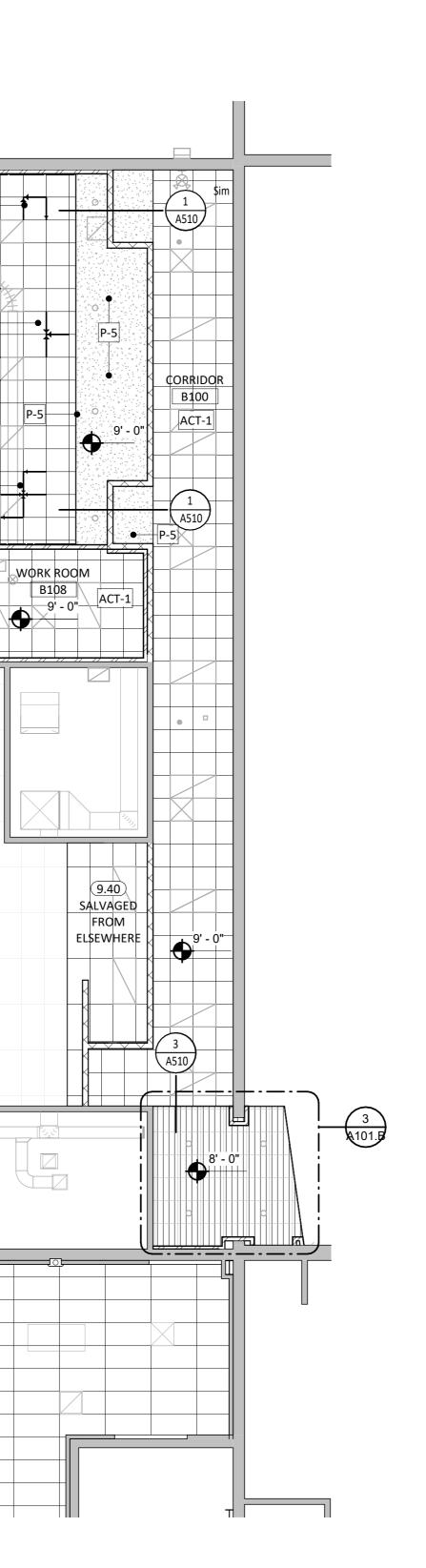
FIRST LEVEL RCP - AREA B 1/8" = 1'-0"

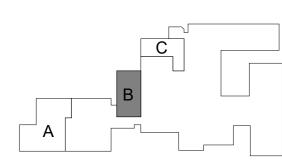
## **GENERAL NOTES**

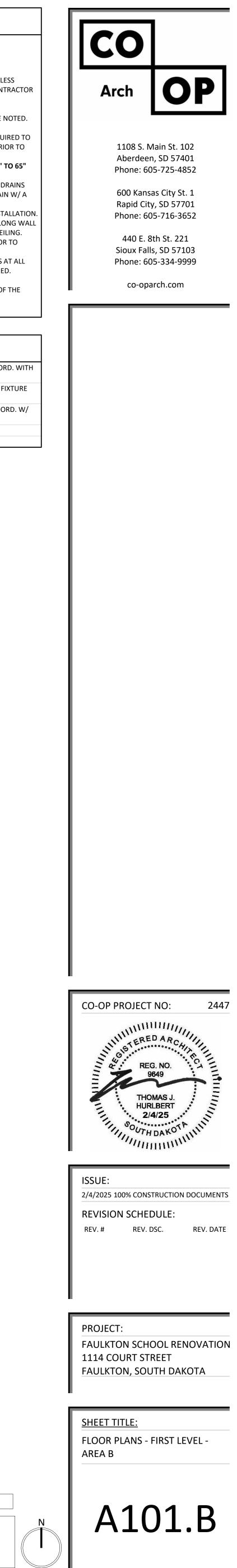
- . FIRE RATED WALL ARE INDICATED ON THE CODE PLANS. . PROVIDE FIRE EXTINGUISHERS AND CABINETS AS SHOWN ON THE CODE PLAN(S). . REFER TO SHEET <u>GOOO</u> FOR ADA STANDARDS.
- . REFER TO SHEET <u>GOO2</u> FOR WALL, ROOF, AND FLOOR TYPES.
- INTERIOR DIMENSIONS ARE FROM FACE OF STUD/CMU TO FACE OF STUD/CMU 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.
- 0. 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. 1. SEE MECHANICAL FOR ALL FLOOR DRAIN SIZES AND LOCATIONS U.N.O. SET FLOOR DRAINS MINIMUM ¾" BELOW FINISHED FLOOR. PROVIDE EVEN SLOPE FROM WALL TO DRAIN W/ A
- MAXIMUM SLOPE OF ¼" 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.

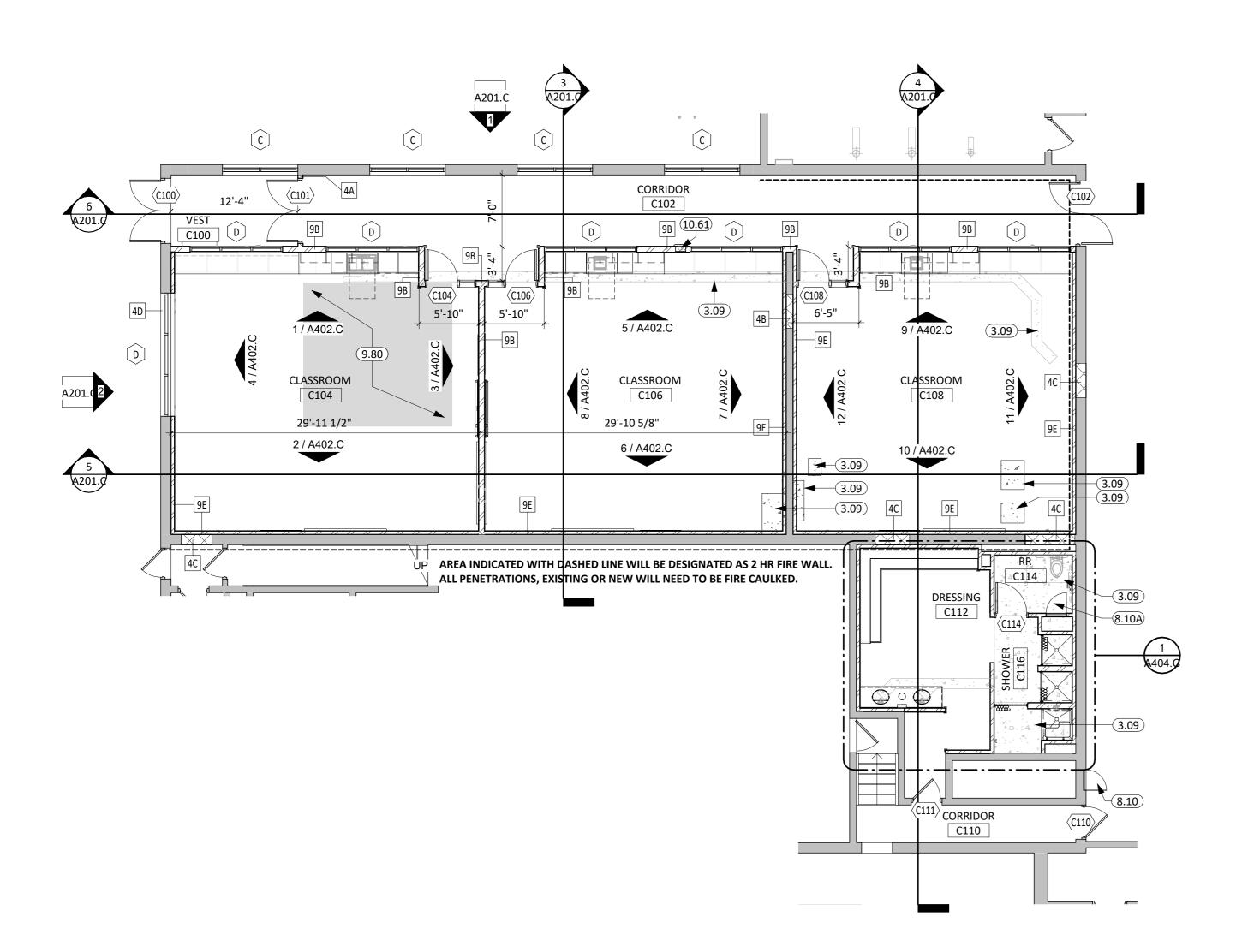
	<b>KEYNOTE SCHEDULE</b>
3.09	PATCH CONCRETE AT NEW BELOW GRADE PLUMBING LOCATIONS, COORD M.E.P.
9.40	ACOUSTICAL PANEL CEILINGS SYSTEM (COORD. w/ MECH. & ELEC. FOR FIX REQ./LOCATIONS)
10.23	RE-INSTALL "AED" BOX AND SIGNAGE TO MEET APPLICABLE CODES, COORI ARCH.
10.61	FIRE EXTINGUISHER AND WALL CABINET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

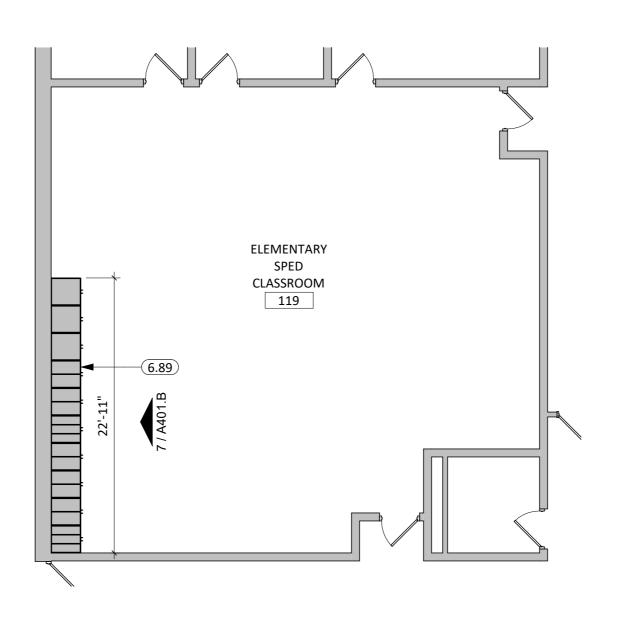
EX. SURFACE-MOUNTED CONDUIT



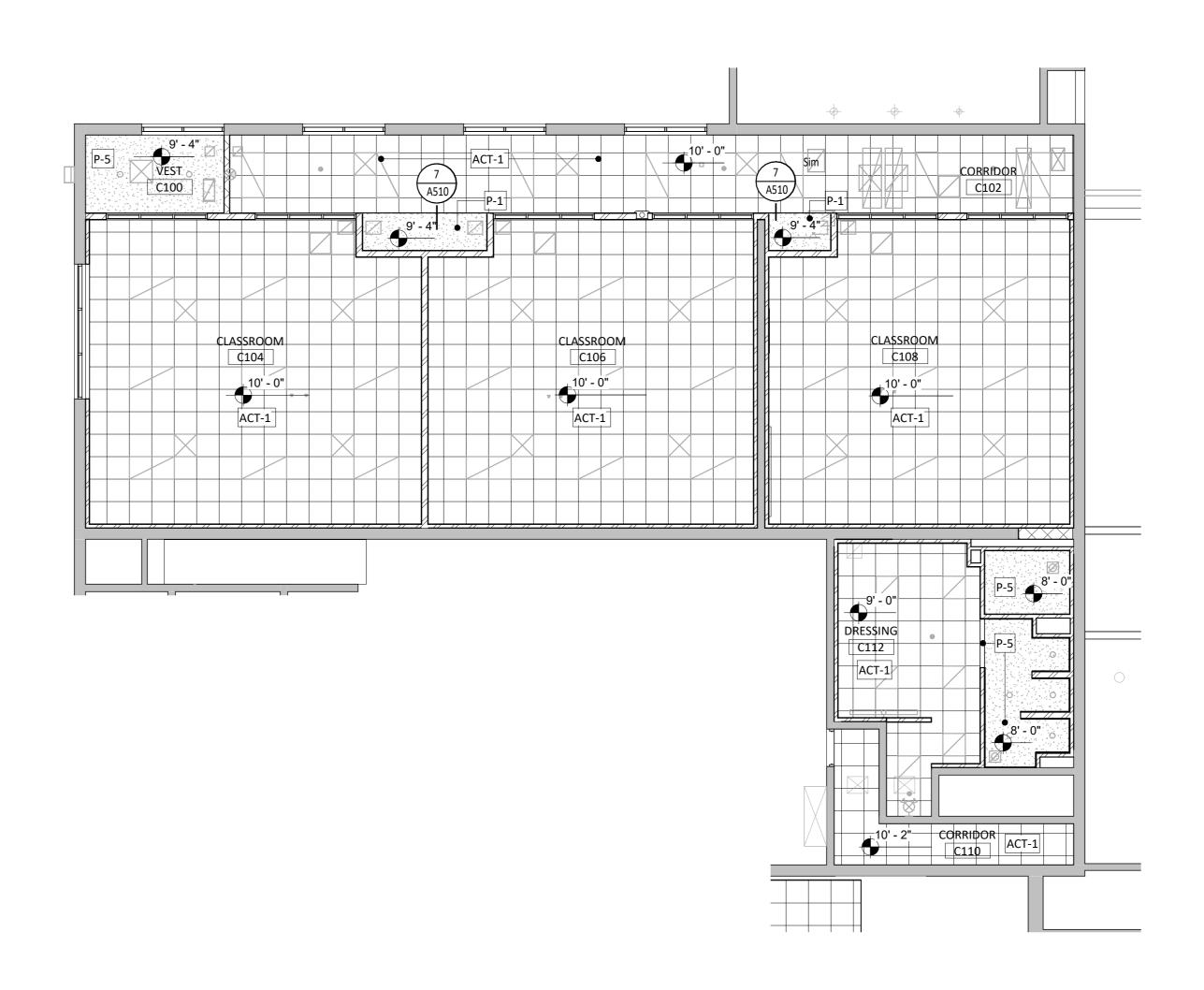








ELEMENTARY SPED CLASSROOM - ALTERNATE #7

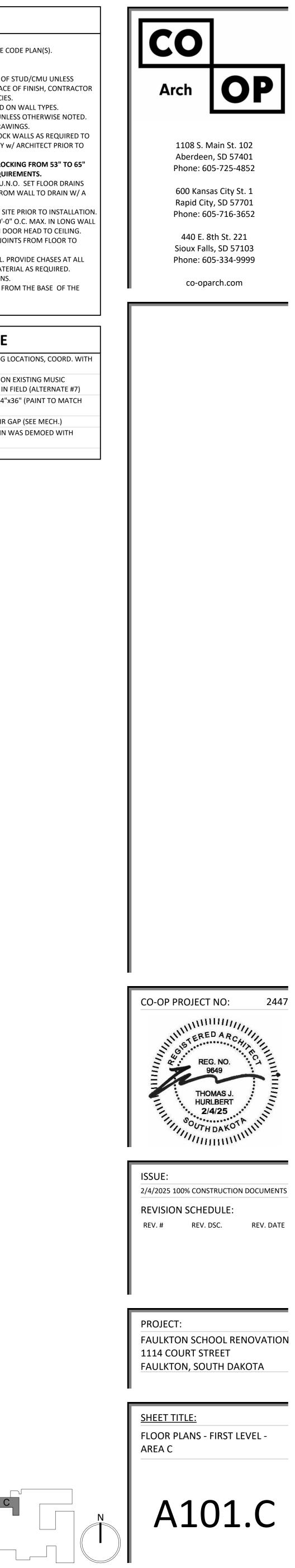


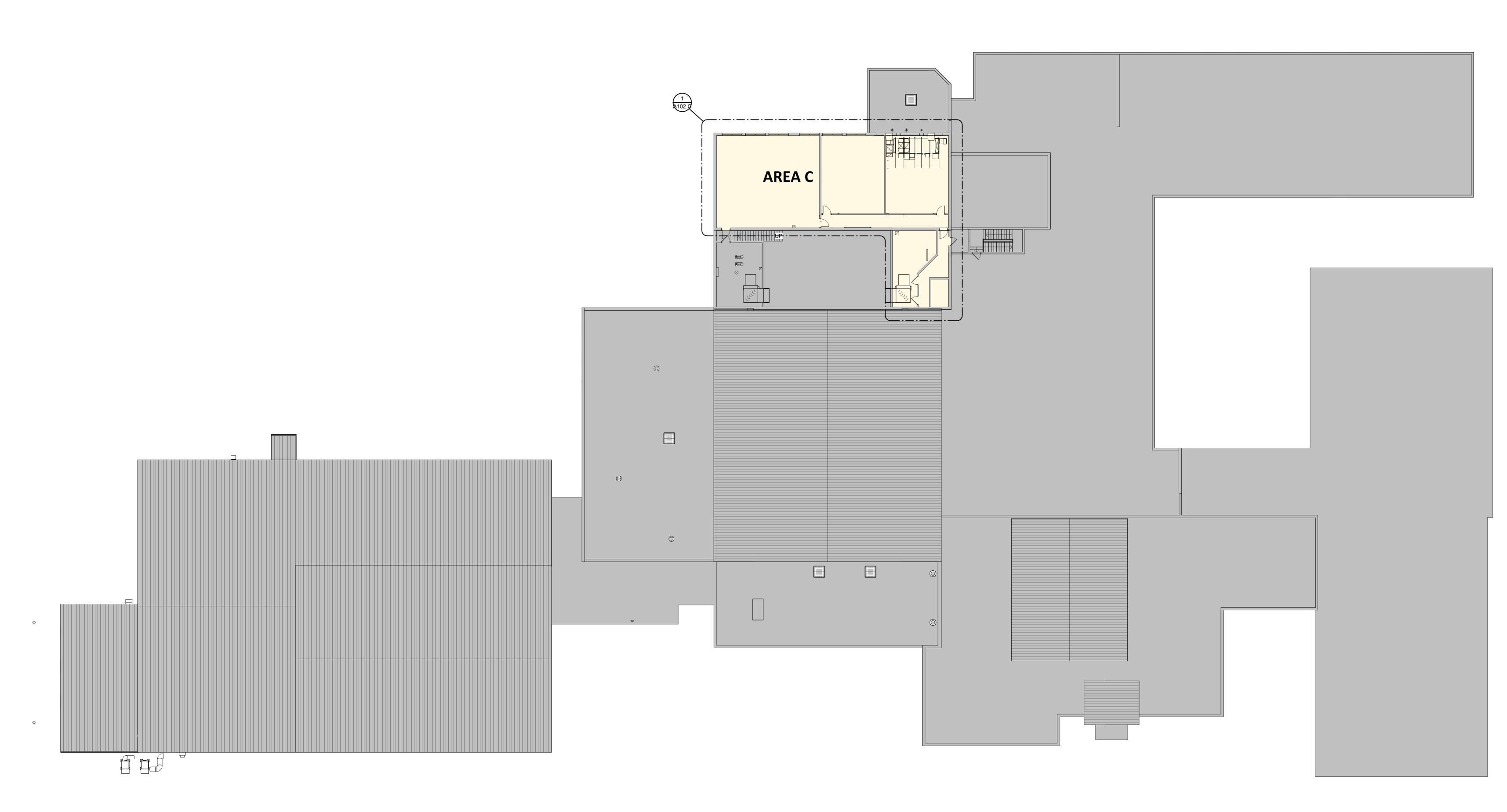
FIRST LEVEL RCP - AREA C

## **GENERAL NOTES**

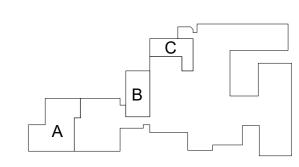
- FIRE RATED WALL ARE INDICATED ON THE CODE PLANS.
   PROVIDE FIRE EXTINGUISHERS AND CABINETS AS SHOWN ON THE CODE PLAN(S).
   REFER TO SHEET <u>GOOD</u> FOR ADA STANDARDS.
- . REFER TO SHEET GOOD FOR ADA STANDARDS.
- 5. INTERIOR DIMENSIONS ARE FROM FACE OF STUD/CMU TO FACE OF STUD/CMU UNLESS OTHERWISE 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.
- 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.
- 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 ¾" BELOW FINISHED FLOOR. PROVIDE EVEN SLOPE FROM WALL TO DRAIN W/ A MAXIMALINA SLOPE OF Y" DED DED
  - MAXIMUM SLOPE OF ¼" 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.
- 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. 16. SEE FINISH LEGEND FOR DOOR FRAME FINISH.

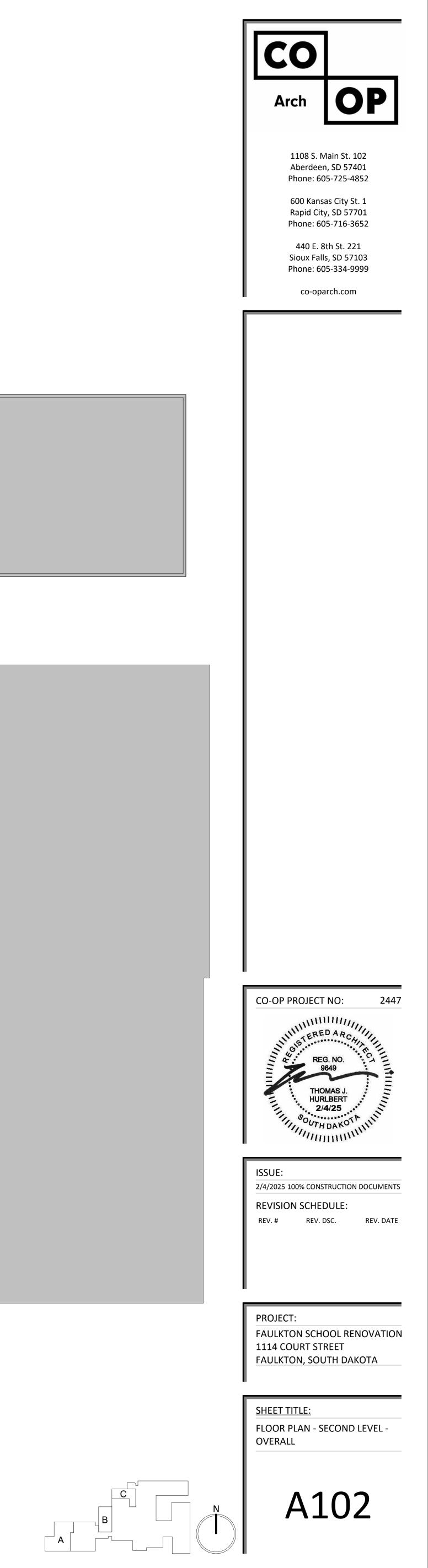
	<b>KEYNOTE SCHEDULE</b>
3.09	PATCH CONCRETE AT NEW BELOW GRADE PLUMBING LOCATIONS, COORD. M.E.P.
6.89	PLASTIC LAMINATE (PL-1) PARTIAL OVERLAY DOORS ON EXISTING MUSIC STORAGE CASEWORK - VERIFY EXISTING CASEWORK IN FIELD (ALTERNATE #2
8.10	ACCESS DOOR & FRAME B.O.D WB-FR 800 SERIES 24"x36" (PAINT TO MATC 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

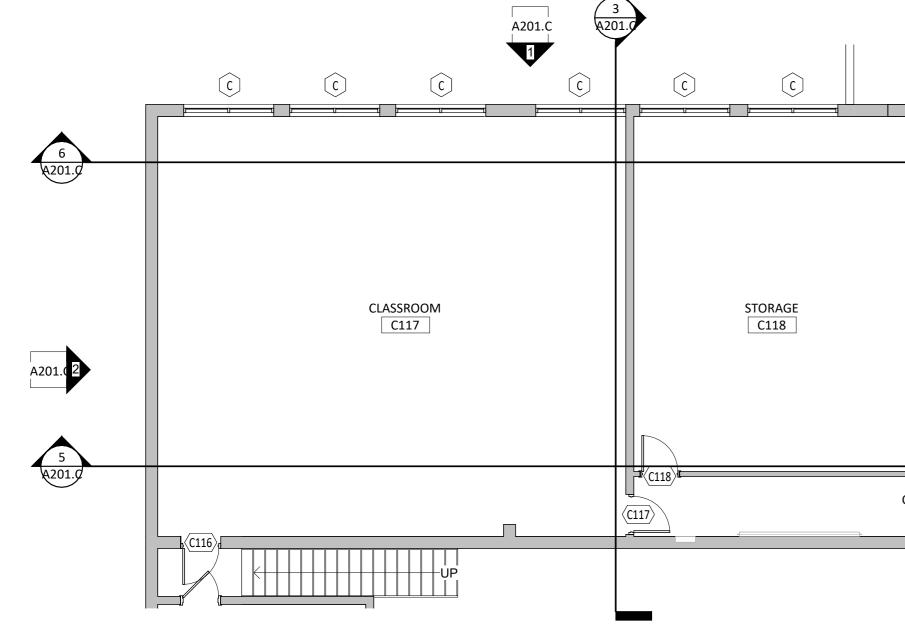


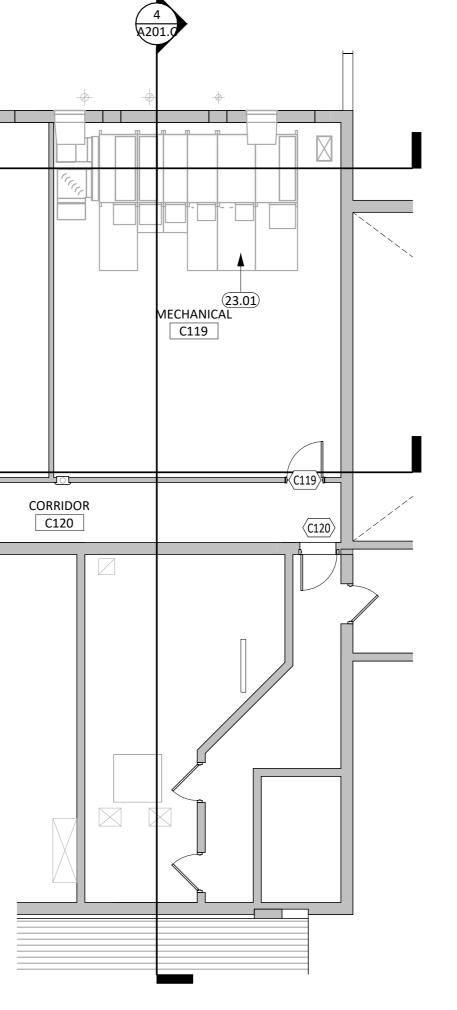


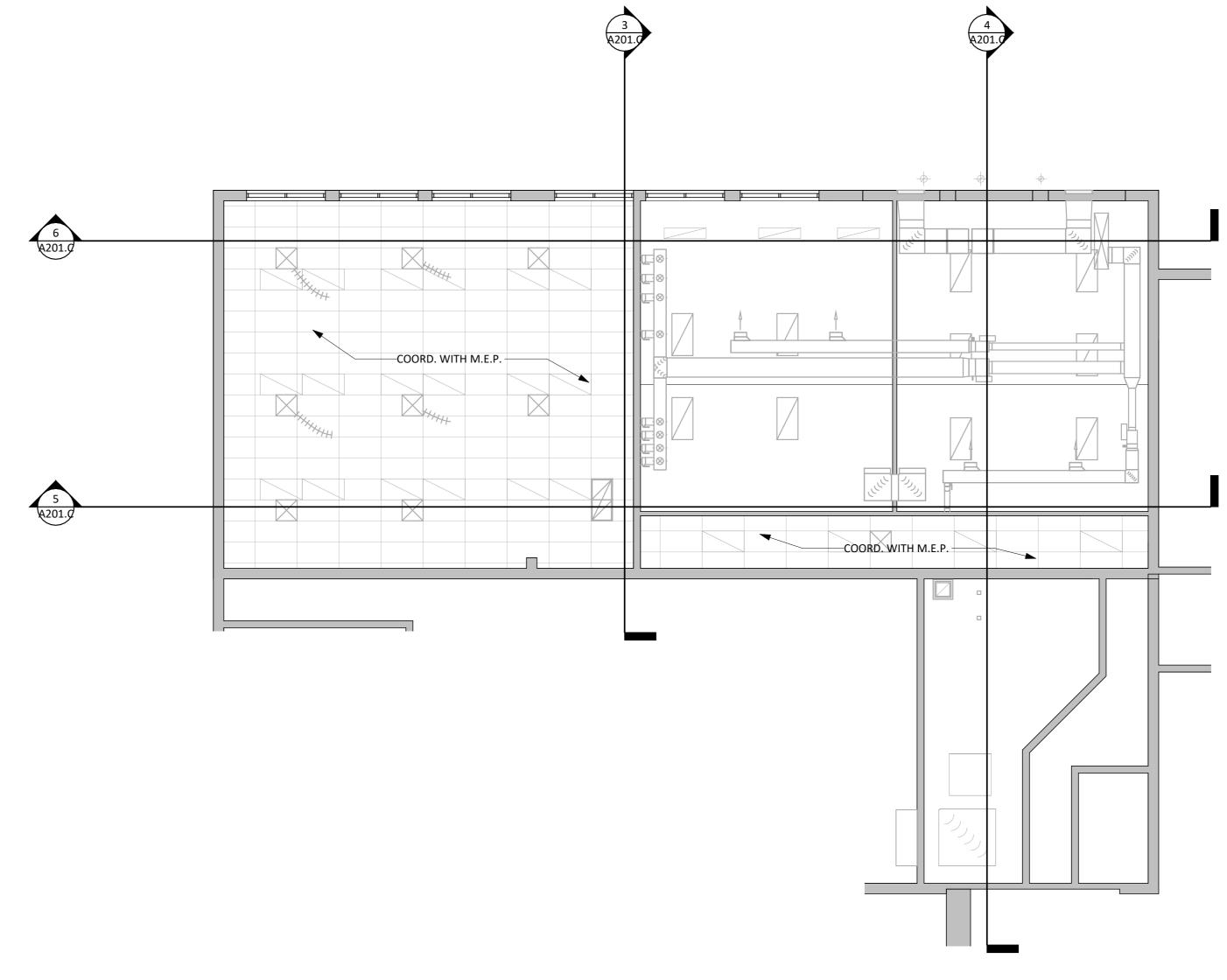
OVERALL PLAN - SECOND LEVEL









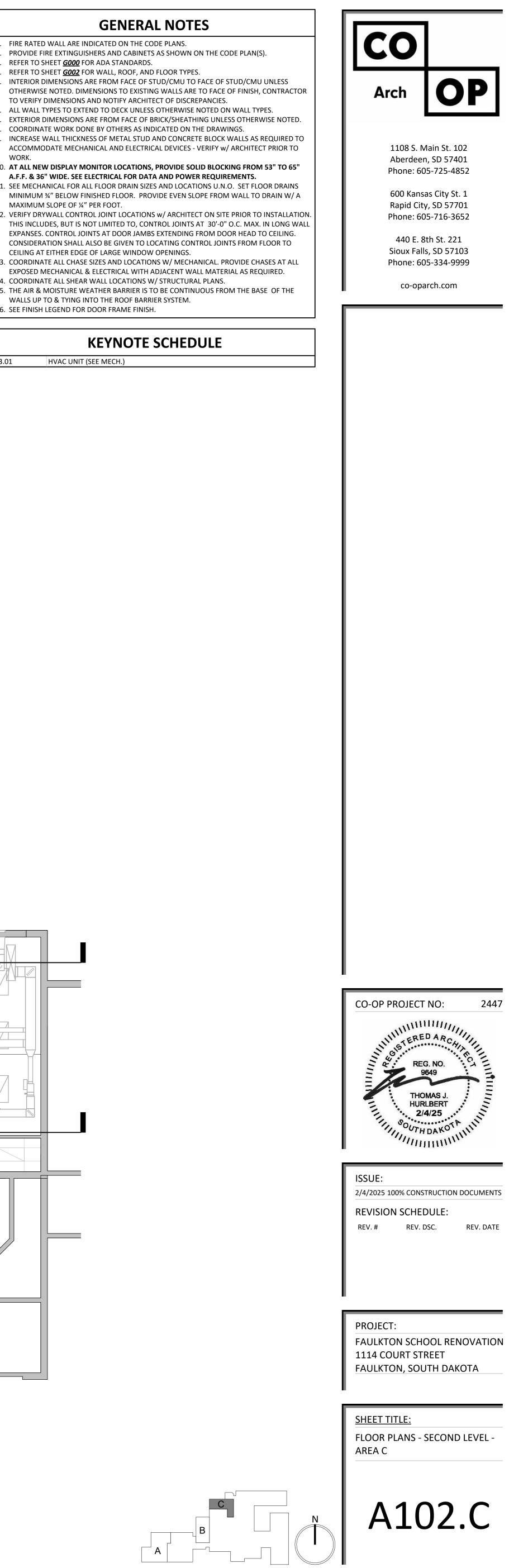


## **GENERAL NOTES**

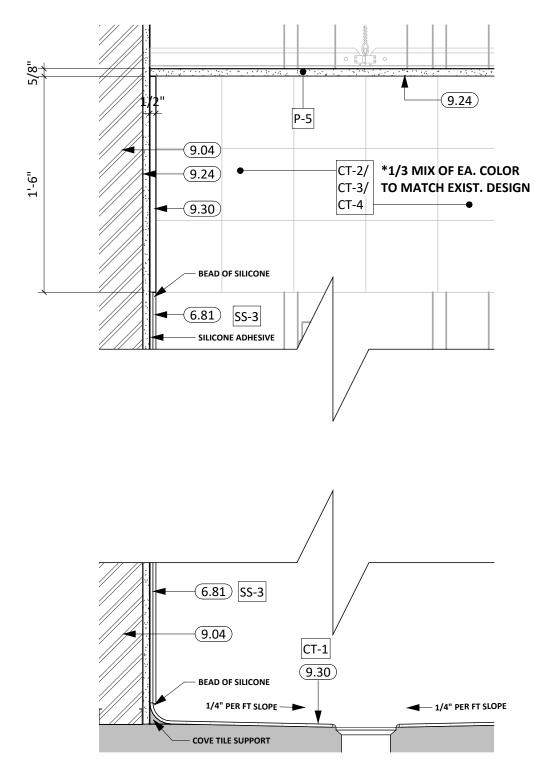
- FIRE RATED WALL ARE INDICATED ON THE CODE PLANS. . PROVIDE FIRE EXTINGUISHERS AND CABINETS AS SHOWN ON THE CODE PLAN(S). . REFER TO SHEET <u>GOOO</u> FOR ADA STANDARDS.
- . REFER TO SHEET <u>GOO2</u> FOR WALL, ROOF, AND FLOOR TYPES.
- OTHERWISE NOTED. DIMENSIONS TO EXISTING WALLS ARE TO FACE OF FINISH, CONTRACTOR TO VERIFY DIMENSIONS AND NOTIFY ARCHITECT OF DISCREPANCIES.
- ALL WALL TYPES TO EXTEND TO DECK UNLESS OTHERWISE NOTED ON WALL TYPES.
- . 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.
- 0. 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. 1. SEE MECHANICAL FOR ALL FLOOR DRAIN SIZES AND LOCATIONS U.N.O. SET FLOOR DRAINS MINIMUM ¾" BELOW FINISHED FLOOR. PROVIDE EVEN SLOPE FROM WALL TO DRAIN W/ A
- MAXIMUM SLOPE OF ¼" 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**

HVAC UNIT (SEE MECH.) 23.01



					ISH LEGEND		
TYPE CEILINGS	MARK	MANUFACTURER	STYLE	COLOR	SPEC DIV SIZE	INSTALL	NOTES
CEILINGS	ACT-1	USG; annagrimes@goldenvalleysupply.com	RADAR*	FLAT WHITE, SLT, 2220	2X2 X 5/8"	15/16" GRID (DX/DXL)	*MATCH EXISTING
ACOUSTICAL	ACT-2	USG; annagrimes@goldenvalleysupply.com	VINYLROCK	WHITE, SQ, 3260	2X2 X 1/2"	GRID (DXL)	KITCHEN CLASSROOM
CEILING	ACT-3	USG; annagrimes@goldenvalleysupply.com	NO CEILING TILE	BLACK SQUARE T-GRID ONLY	2X2	GRID (DXL), PRE-FINISHED	PROVIDE 6" PERIMETER TRIM, BLACK. WRESTLING ROOM ONLY
	ACT-4	USG; annagrimes@goldenvalleysupply.com	TRUE WOOD GRILLES	VENEER, TBD, VERT. SLAT	2X4 X 2"	15/16 GRID (DXL), BLACK	GYM ENTRY CEILING
SPECIALTY	AMP-1*ALT	CSI CREATIVE; alex@csicreative.com	GRD-SEC-,TF017	SOUNDCORE FELT: *TBD	1/2" X 24 X	15/16" TEE GRID	SNAP TO 15/16" (WHITE) T-GRID . *BID AMP-1 AS ALTERNATE #6
FLOORING & T	TILING					- F	
	WOC-1	PHILADELPHIA QUEEN;	SUCCESSION II, 54695	AFTER DARK, 500	2X2	QUARTER TURN	VESTIBULE WALK OFF CARPET TILE
CARPET	CPT-1	TARKETT; cliff.gustafson@tarkett.com	BLOCKADE, 11470	NIGHTTIME, 54606	2X2	MONOLITHIC, *POWERBOND BACKING	*MATCH EXISTING CARPET TILE BACKING
	CPT-1 *ALT	MOHAWK CARPET; jon_jorgensen@mohawkind.com	WILD HORIZONS	971- GOLEDENROD	9X36	MONOLITHIC	*PROVIDE PRICING FOR BID ALTERNATE #7
VINYL	LVT-1	TARKETT; cliff.gustafson@tarkett.com	· · · · · · · · · · · · · · · · · · ·	CRISTALLO,7235	18"X18"	HORIZONTAL ASHLAR, 20 MIL	
	CT-1	DALTILE; katie.wheeler@daltile.com	KEYSTONES	SUEDE GRAY SPECKLE, D208,	2"X2"	FLOOR/ COVE INSTALL, PROVIDE	MAPEI ULTRA COLOR PLUS FA, #29 PEARL GREY. SEE SHOWER DETAILS W
CERAMIC &	CT-2 CT-3	DALTILE; katie.wheeler@daltile.com DALTILE	COLOR WHEEL CLASSICS	DESERT GRAY, X114	4.25"X 4.25" 4.25"X 4.25"	SEMI-GLOSS, WALL TILE SEMI-GLOSS, WALL TILE	MAPEI KEARCOLOR U, #27 SILVER. ACCENT @ BAND (1/3 MIX) MAPEI KEARCOLOR U, #27 SILVER. ACCENT @ BAND (1/3 MIX)
PORCELAIN	CT-4	DALTILE	COLOR WHEEL CLASSICS	BLACK, K111 SUNFLOWER, DH50	4.25" X 4.25" 4.25" X 4.25"	SEMI-GLOSS, WALL TILE	MAPEI KEARCOLOR U, #27 SILVER. ACCENT @ BAND (1/3 MIX) MAPEI KEARCOLOR U, #27 SILVER. ACCENT @ BAND (1/3 MIX)
	PT-1	DALTILE; katie.wheeler@daltile.com	BRYNE	MIST BR31	12X24	SEE ELEVATIONS	MAPEI KEARCOLOR U, #27 SILVER. FIELD TILE @ SHOWER WALLS
PAINT & WAL	L COVERIN	IGS		T			
	P-1	SHERWIN WILLIAMS; james.r.bergevin@sherwin.com	PRO INDUSTRIAL ACYRLIC	MINDFUL GRAY SW7016, EGGSHELL	LRV: 48	PREPRITE BLOCK FILLER + ACRYLIC EPOXY	ACRYLIC EPOXY USE AT BLOCK WALLS. FIELD PAINT/ CLASSROOM
	P-2	SHERWIN WILLIAMS; james.r.bergevin@sherwin.com	PRO MAR200 INTERIOR LATEX	SUNDANCE SW6897, EGGSHELL	LRV: 62	LOW VOC, LIGHT ORANGE PEEL TEXTURE	YELLOW ACCENT/ CLASSROOM
	P-3	SHERWIN WILLIAMS; james.r.bergevin@sherwin.com	*TBD, LOW VOC/ HIGH IMPACT PAINT	MINDFUL GRAY SW7016, EGGSHELL	LRV: 48	LIGHT ORANGE PEEL TEXTURE	LOCKER ROOM WALLS
PAINT	P-4	SHERWIN WILLIAMS;	EMARLD TRIM ENAMEL	IRON ORE SW 7069,	LRV: 6	SPRAY APPLICATION	HANDRAILS, GUARDRAILS, STEEL DOORS & FRAMES, INTERIOR OF
	P-5	SHERWIN WILLIAMS; james.r.bergevin@sherwin.com	PRO MAR200 INTERIOR LATEX	NATURAL WHITE SW9542, SATIN	LRV: 83	ACCENT PAINT LOCATIONS, HIGHER SHEEN	WRESTLING ROOM ACCENT / CEILING DETAILS
	P-6	BLACK ACCENT PAINT; james.r.bergevin@sherwin.com	PRO MAR200 INTERIOR LATEX	BLACK MAGIC SW6991, MATTE	LRV: 3	ACCENT PAINT LOCATIONS, LOWER SHEEN	WRESTLING ROOM ACCENT STRIPE, SEE ELEVATIONS
	P-7	SHERWIN WILLIAMS; james.r.bergevin@sherwin.com	PRO MAR200 INTERIOR LATEX	GOLDEN YELLOW, TBD	TBD	ACCENT PAINT LOCATIONS, LOWER SHEEN	WRESTLING ROOM ACCENT, SEE ELEVATIONS
	FRP-1	MARLITE; kkane@marlite.com	ARTIZAN CUSTOM GRAPHIC FRP	SATIN FINISH	4X8	ANGLED INSTALL W/ 4'-0"H X 8'-0"W STANDARD PANEL W/ SQUARE CHANNEL A568 AT ALL SEAMS	BASE BID PRICING: CUSTOM LOGO GRAPHIC. GRAPHIC PROVIDED BY SCHOOL (TBD).
WALL COVERING	FRP-2	MARLITE; kkane@marlite.com	ARTIZAN GRAPHIC FRP	2456-SKY, BLACK CHROME DIAMOND PLATE	4X8	BLACK PVC TRIM @ VERT. SEAMS, SQUARE CHANNEL A568 @ ANGLED SEAM	STANDARD SKU, DIGITALLY PRINTED
	FRP-3	CREATIVE PANEL SOLUTIONS	TEXTURED FRP	WHITE, SEMI-GLOSS	4X7	WHITE PVC TRIM AT ALL SEAM/ TOP CAP	INSTALL ABOVE 6" VINYL BASE (VB-1)
	AWP-1	G&S ACOUSTIC; annagrimes@goldenvalleysupply.com	ACOUSTI-PANEL (AP), FABRIC	MAHARAM 'METHOD', 018 KORMA	1"X CUSTOM SIZE	IMPALING CLIP ATTACHMENT	SEE ELEVATION, LAYOUT/SIZES VARY
SPECIALTY	AWP-2	G&S ACOUSTIC;	ACOUSTI-PANEL (AP),	MAHARAM 'METHOD', 005	1"X CUSTO	IMPALING CLIP ATTACHMENT	SEE ELEVATION, LAYOUT/SIZES VARY
	AWP-3	G&S ACOUSTIC; annagrimes@goldenvalleysupply.com	ACOUSTI-PANEL (AP), FABRIC	MAHARAM 'METHOD', 002 RHEA	1"X CUSTOM SIZE	IMPALING CLIP ATTACHMENT	SEE ELEVATION, LAYOUT/SIZES VARY
VALL BASE, T	RANSITIOI	NS & MISC. TRIMS					
	VB-1	TARKETT JOHNSONITE	6" COVE BASE, RUBBER	CHARCOAL			USED IN AREA A
VINYL COVE BASE	VB-2	TARKETT JOHNSONITE	4" COVE BASE, RUBBER	CHARCOAL			*MATCH EXISTING
WOOD BACKING	PLY-1	SEE SPEC	PLYWOOD BLOCKING	PAINTED (P-1)	1/2"	ATTACH TO ALL WALLS NEW & EXISTIN	SHOP SPACE ONLY, AS MARKED IN ROOM SCHEDULE
WOOD DOOR	VARIES	SEE DOOR SCHEDULE	GRAHAM	PLAIN SLICED OAK, DARK WALNUT,#400		HM TRIM/DOOR, PAINTED (P-4)	*MATCH EXISTING
CORNER GUARD	CG-1	CREATIVE PANEL SOLUTIONS	1" METAL	BLACK			WRESTLING ROOM ONLY
	CG-2	INPRO; tthoma@inprocorp.com	VINYL CORNER GUARD	0113 TAUPE			TYPICAL CORNER GUARD, ENTIRE PROJECT
SCHLUTER	VARIES	SEE A120	AE	ALUMINUM			
MILLWORK	<b>-</b>						
LAMINATE	PL-1 PL-2	FORMICA; jill.peltier@wurthbsc.com FORMICA; jill.peltier@wurthbsc.com	961-58, MATTE 5882-58, MATTE	FOG CITADEL WARP		3MM EDGEBAND, C600257 3MM EDGEBAND, C600374	SEE ELEVATIONS FOR LOCKING, USE WIRE PULL (CHROME) PROVIDE W/ 4" SPLASH, IF SHOWN IN ELEVATION. A120 DETAILS FOR EDU
	PL-3 SS-1	FORMICA; jill.peltier@wurthbsc.com CORIAN; kim@hllmark.com	9285-58C, MATTE WILLOW	COLORCORE2- WHITE TWILL	3CM	3MM MATCHING EDGEBANDING SEE SECTION DETAIL	HALF WALL/ ISLAND (RM A111) & MUSIC ROOM CASEWORK/ MUSIC STORAGE SEE ALTERNATE #5 NEW CTOPS, SOLID SURFACE
STONE & SOLID	SS-1 SS-2	FORMICA; jill.peltier@wurthbsc.com	782- LUNA WEATHER	MATTE FINISH MATTE FINISH	2CM	SEE SECTION DETAIL	WINDOW SILL MATERIAL
SURFACE	SS-3	CORIAN; kim@hllmark.com	DESIGNER WHITE	POLISHED FINISH	1/4"X VARIES	SEE SECTION DETAIL	SHOWER WALL PANELS
WOOD	WD-1	MAPLE BUTCHER BLOCK	CLEAR COAT	120/150 SANDING	SEE SPEC	STRAIGHT EDGE	
PARTITIONS							
PARTITIONS WINDOW	TP-1 WT-1	NOT USED SPRINGS WINDOW FASHIONS	DOUBLE TAKE, T300	STONE EBONY, CU312			MUST MATCH EXISTING



12 TYP. SHOWER BASE/CEILING DETAIL

				<b>ROOM FINISH</b>	<b>SCHEDUL</b>	E
RM#	NAME	FLR FIN.	BASE FIN.	WALL FIN.	CLG FIN.	COMMENTS
A101	VEST.	WOC-1	VB-2	P-1	P-5	
A102	WRESTLING	LVT-1	VB-1	FRP-2P-1/ P-5/ P-6/ P-7/ FRP-1/ FRP-2	*EXPOSED/ ACT-3/ ACT-1	EXPOSE EXIST. SIMPLE SAVER ROOF DECKING MATERIAL, PAINT EXPOSED STRUCTURE P-5.
A103	CORRIDOR	LVT-1	VB-2	P-1	ACT-1	
A110	MECH.	EXIST.	EXIST.	EXIST.	EXIST.	
A111	CLASSROOM	LVT-1	VB-2	P-1/ P-2/ PL-1 (ISLAND)	ACT-2	
A112	PAINT ROOM	SC-1	VB-1	FRP-3/ P-1*	EXPOSED	RUN FRP SHEETS, VERTICAL TO 8'-6"AFF. RUN VB-1 BELOW.* PAINT INTERIOR CLOSET WALLS P-1.
A113	WOOD SHOP	SC-1	VB-1	P-1/ PLY-1*	EXPOSED	ATTACH 1/2" PLYWOOD TO ALL WALLS NEW & EXISTING, UP TO 7'-0' HIGH.
A114	METAL SHOP	SC-1	VB-1	P-1/ PLY-1*	EXPOSED	ATTACH 1/2" PLYWOOD TO ALL WALLS NEW & EXISTING, UP TO 7'-0' HIGH.
A121	SHOP ADDITION NORTH	SC-1	VB-1*	P-1*	EXPOSED	*ALL GWB WALLS TO HAVE VINYL BASE AND PAINT
A124	SHOP ADDITION SOUTH	SC-1	VB-1*	P-1*	EXPOSED	*ALL GWB WALLS TO HAVE VINYL BASE AND PAINT
B100	CORRIDOR	*LVT-1/ WOC-1	VB-2	P-1	ACT-1/ ACT-4/ P-5	*MAJOR FLOOR PREP REQUIRED BETWEEN GYM PARTY WALL AND CORRIDOR. PROVIDE ADA ALUM. TRANSITION
B102	MUSIC ROOM	CPT-1/LVT-1	VB-2	P-1/ P-5/ WP-1/ WP-2/ WP-3	ACT-1/ AMP-1	*AMP-1 IS TO BE BID AS ALTERNATE #6
B104	PRACTICE	CPT-1	VB-2	P-1	ACT-1	
B106	OFFICE	CPT-1	VB-2	P-1	ACT-1	
B108	WORK ROOM	LVT-1	VB-2	P-1/ FRP-3	ACT-1	
B110	LOCKER	EXIST.	EXIST.	EXIST.	*EXISTING 2X4	*RE-INSTALL EXISTING GRID AND PATCH WITH NEW 2X4 ACT FROM SCHOOL BACKSTOCK
C100	VEST	WOC-1	VB-2	P-1	P-5	
C102	CORRIDOR	WOC-1	VB-2	P-1	ACT-1/ P-1	SEE WINDOW SILL DETAIL FOR MATERAL
C104	CLASSROOM	LVT-1	VB-2	P-1/ P-2	ACT-1	SEE ELEVATIONS FOR ACCENT WALL LOCATION
C106	CLASSROOM	CPT-1	VB-2	P-1/ P-2	ACT-1	SEE ELEVATIONS FOR ACCENT WALL LOCATION
C108	CLASSROOM	CPT-1	VB-2	P-1/ P-2	ACT-1	SEE ELEVATIONS FOR ACCENT WALL LOCATION
C112	DRESSING	LVT-1	VB-2	P-3	ACT-1	
C114	RR	LVT-1/ CT-1	VB-2	P-3	P-5	
C116	SHOWER	LVT-1/ CT-1	PT-1/ CT-1	PT-1/SS-3/CT-2/CT-3/CT-4	P-5	SEE ELEVATIONS

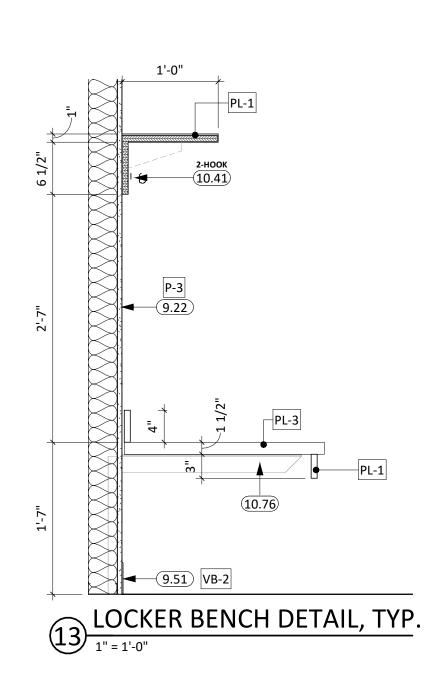
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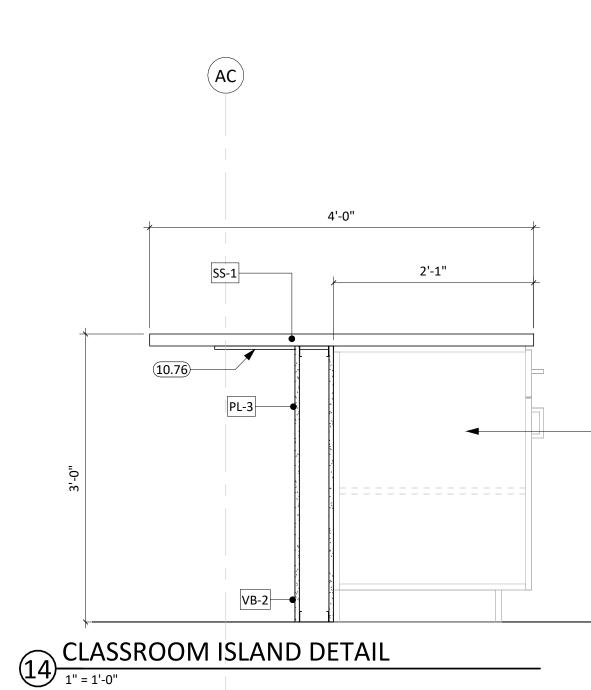
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FRP-1: CUSTOM PRINT 'MARLITE- BLANK', SEE FINISH LEGEND AND ELEVATION FOR SCALED DIMENSION OF CUSTOM WALL.

FRP-2: STANDARD PRINT 'MARLITE- BLACK CHROME DIAMOND',

SEE FINISH LEGEND FOR TRIM DETAILS.



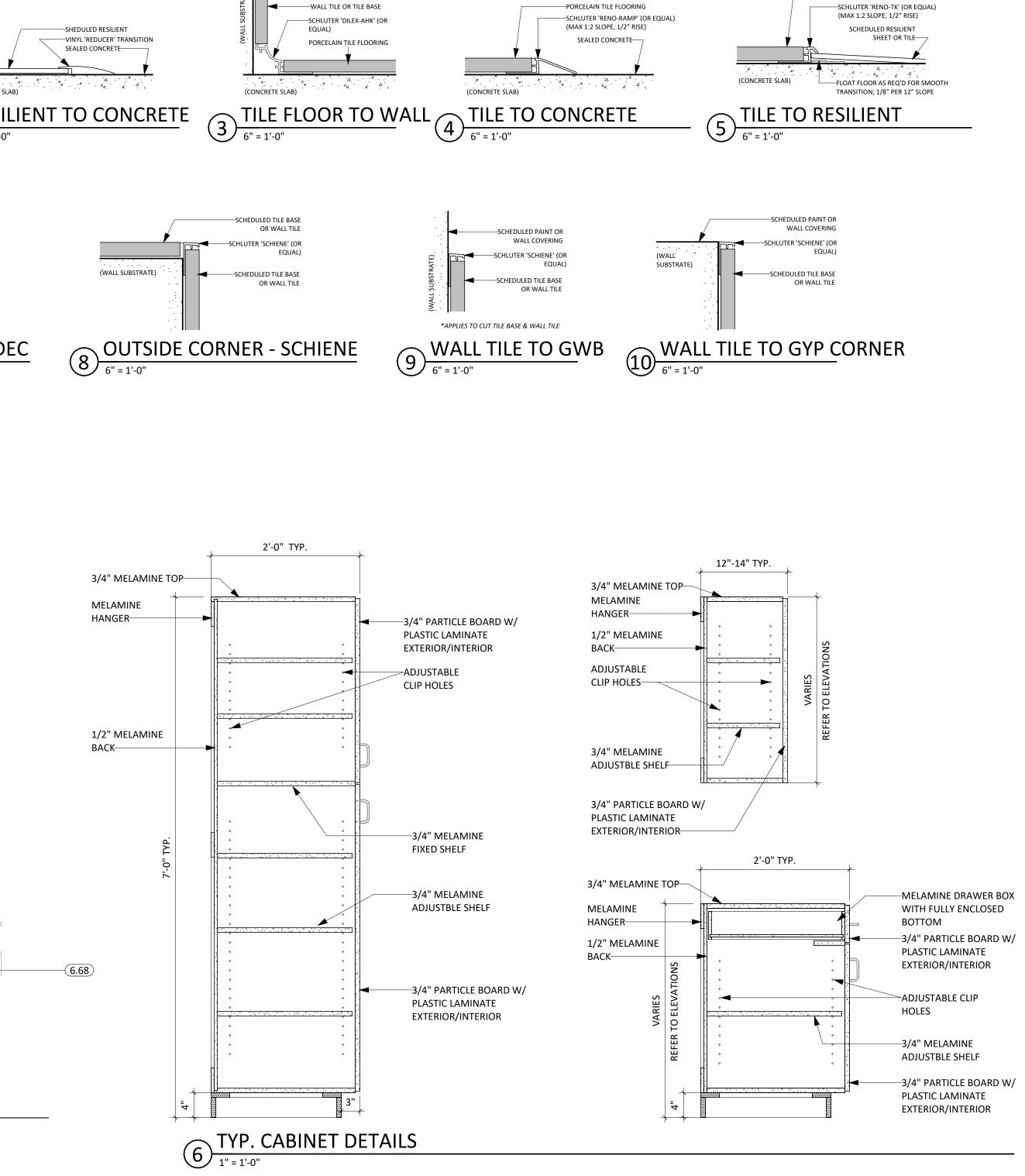


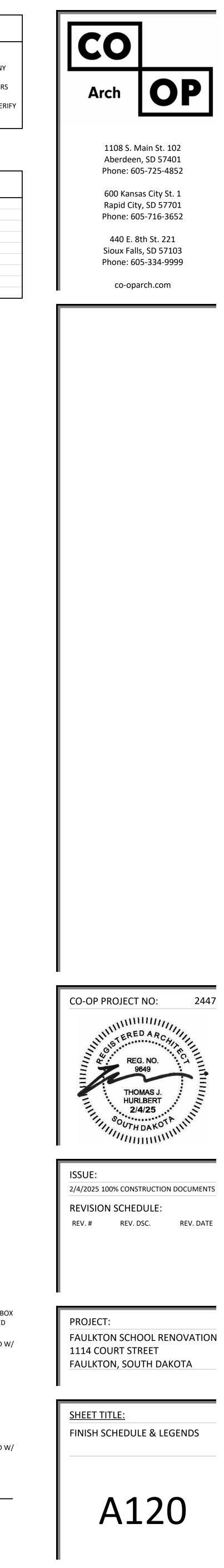
## **GENERAL NOTES**

- 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.

	<b>KEYNOTE SCHEDULE</b>	
6.68	WOOD CABINETRY, SALVAGED AND RE-INSTALLED PER LAYOUT	
6.81	SOLID SURFACE	
9.04	3 5/8" STEEL STUD & TRACK FRAMING	
9.22	5/8" HIGH IMPACT GYPSUM BOARD	
9.24	5/8" MOISTURE RESISTANT GYPSUM BOARD	
9.30	CERAMIC TILE	
9.51	RESILIENT BASE	
10.41	COAT HOOK	
10.76	HEAVY DUTY HIDDEN MOUNT BRACKET	

PORCELAIN TILE FLOORING



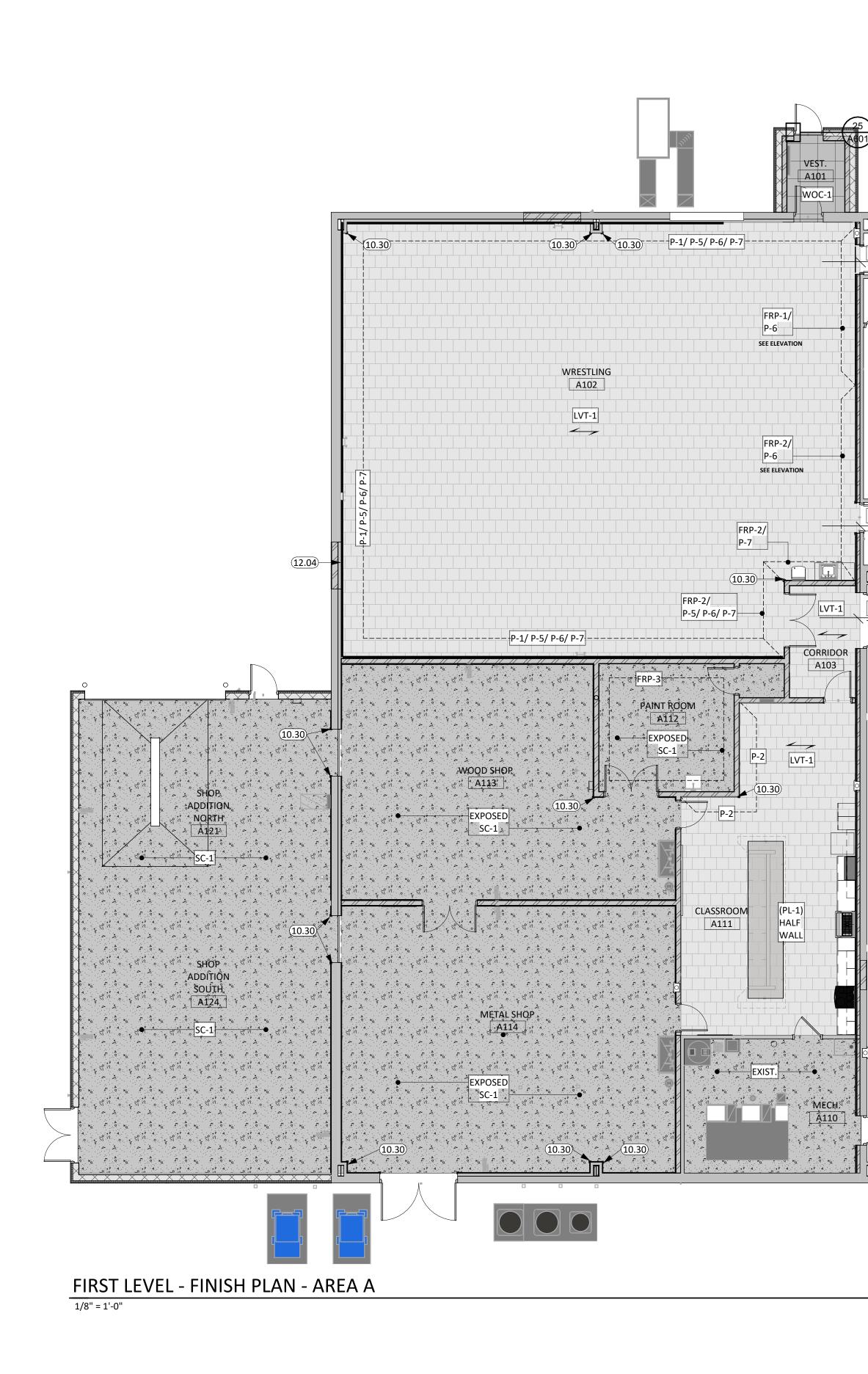


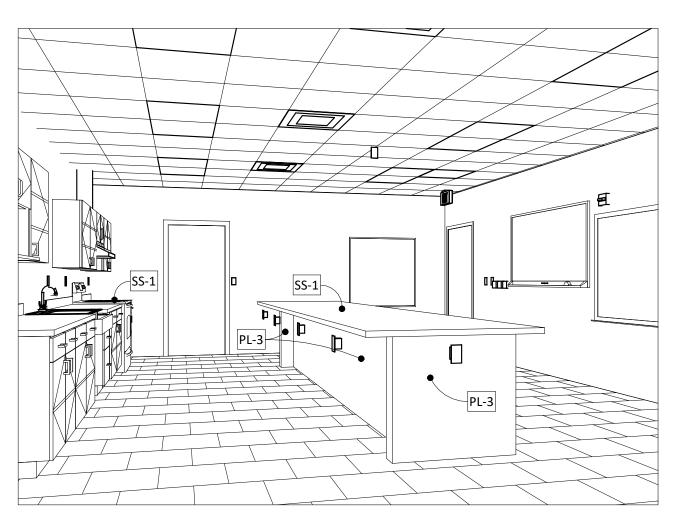




4 WRESTLING EAST ELEV. 3D

5 WRESTLING 3D- NW VIEW

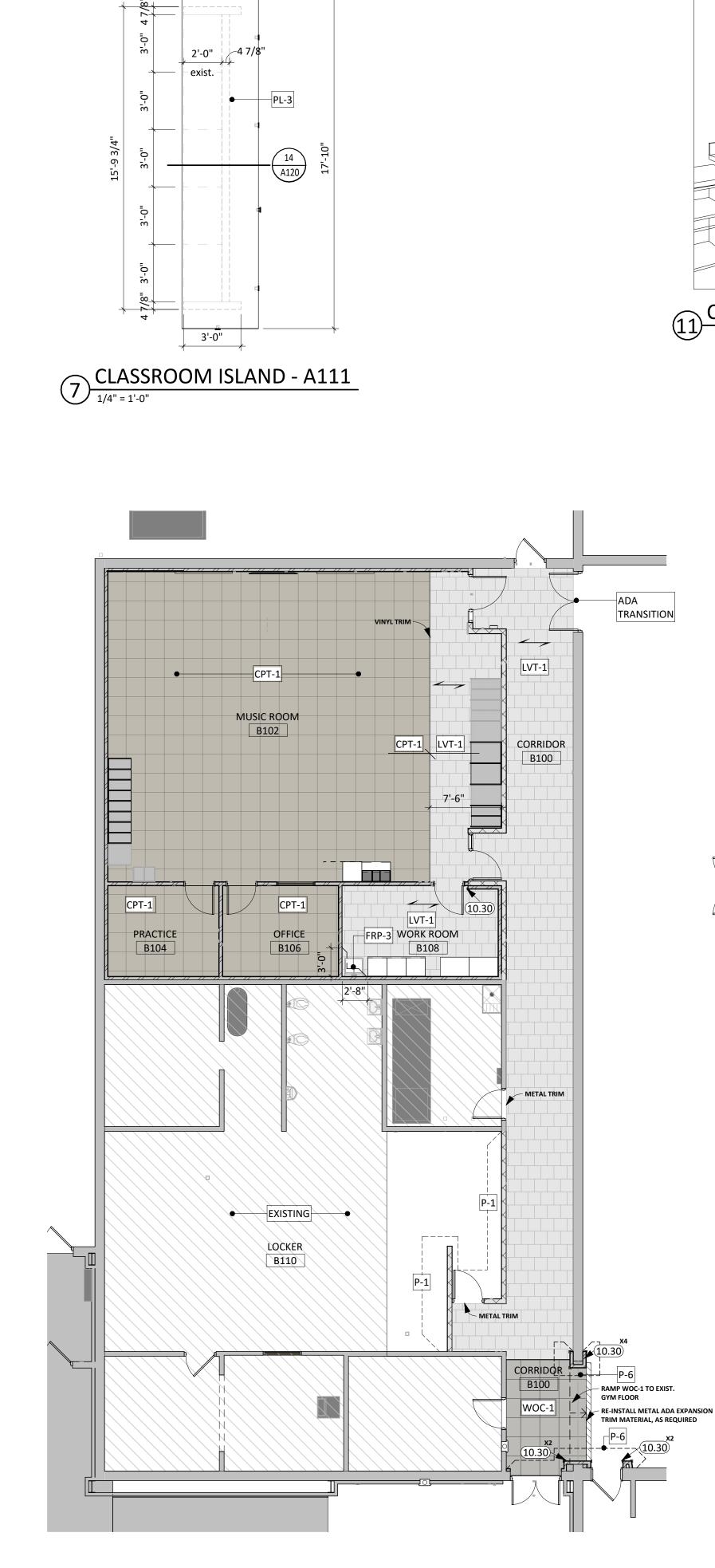




6 SHOP CLASSROOM - A111

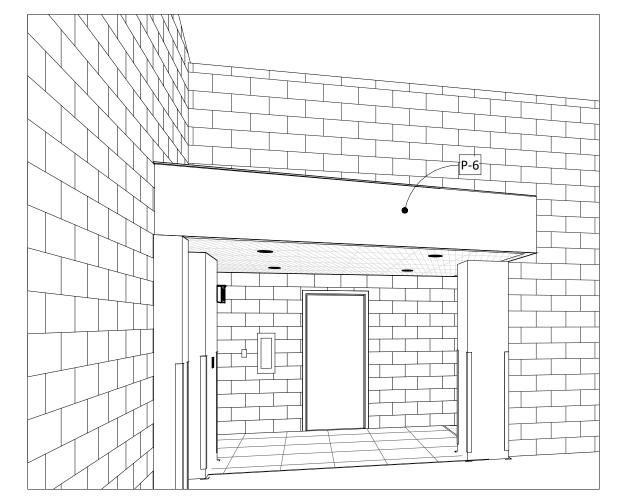
4'-0"



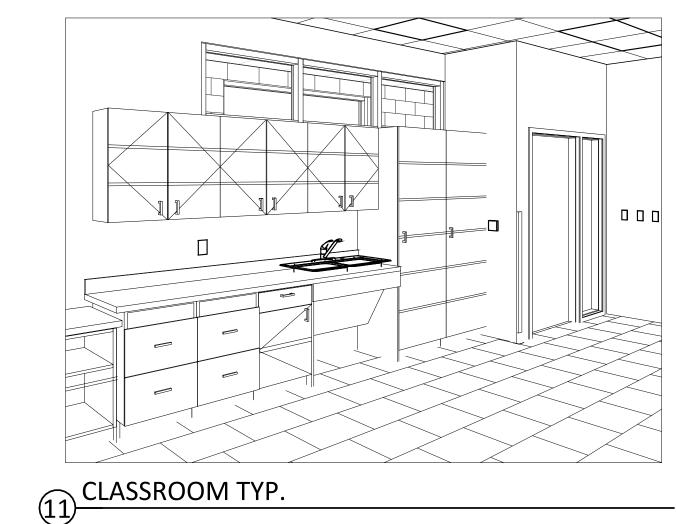




1/8" = 1'-0"



# (8) GYM ENTRY- CONCEPT 3D

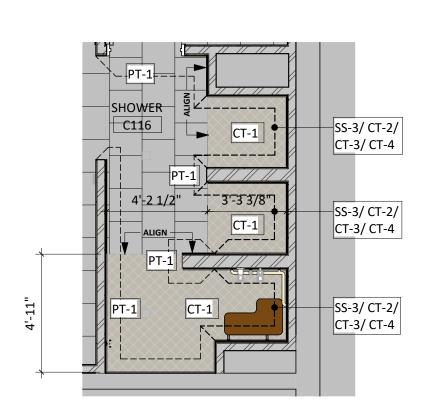


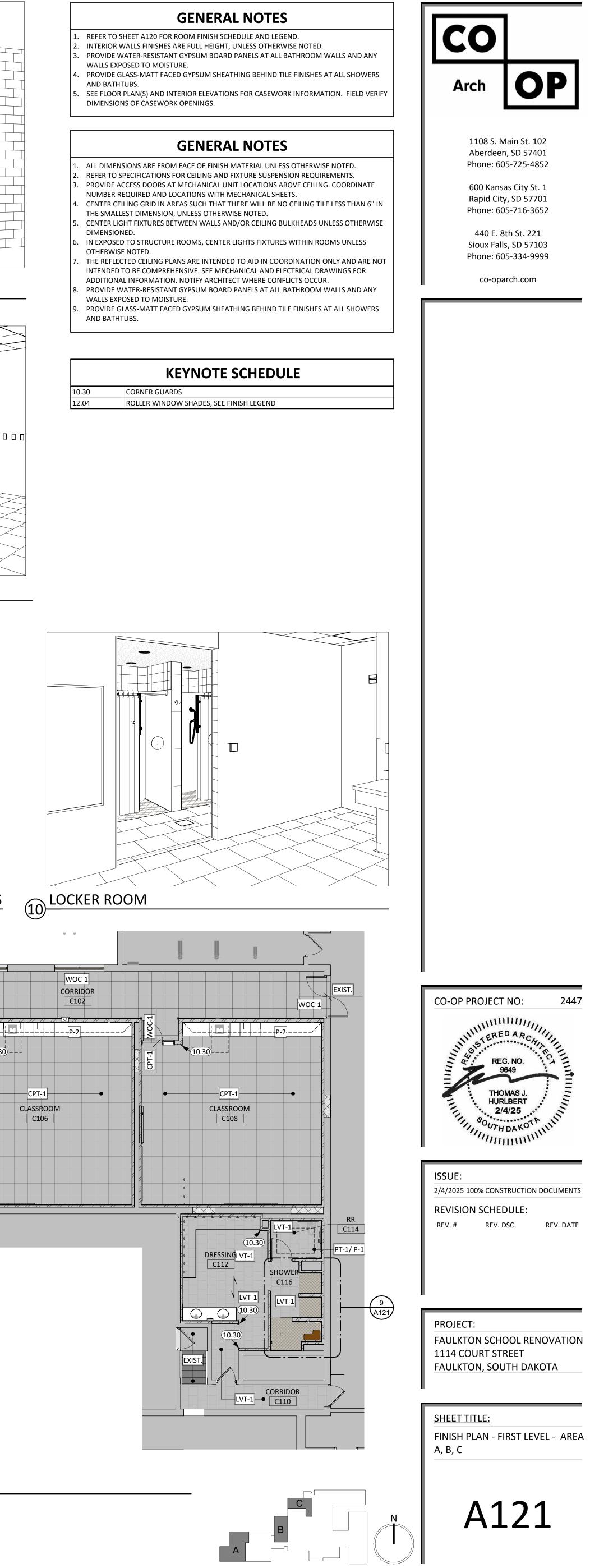
- AND BATHTUBS.

- ALL DIMENSIONS ARE FROM FACE OF FINISH MATERIAL UNLESS OTHERWISE NOTED.
- NUMBER REQUIRED AND LOCATIONS WITH MECHANICAL SHEETS.
- THE SMALLEST DIMENSION, UNLESS OTHERWISE NOTED.
- DIMENSIONED.
- ADDITIONAL INFORMATION. NOTIFY ARCHITECT WHERE CONFLICTS OCCUR.
- AND BATHTUBS.

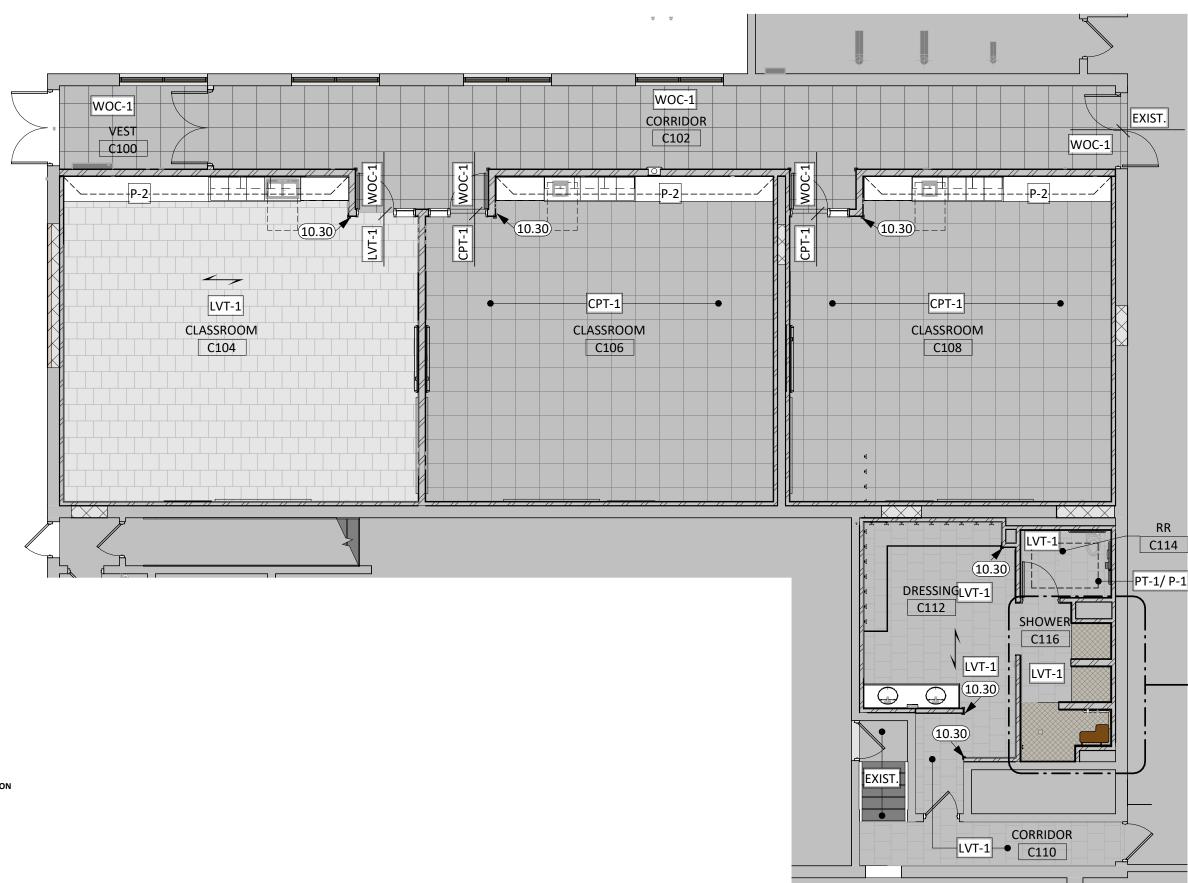
## **KEYNOTE SCHEDULE**

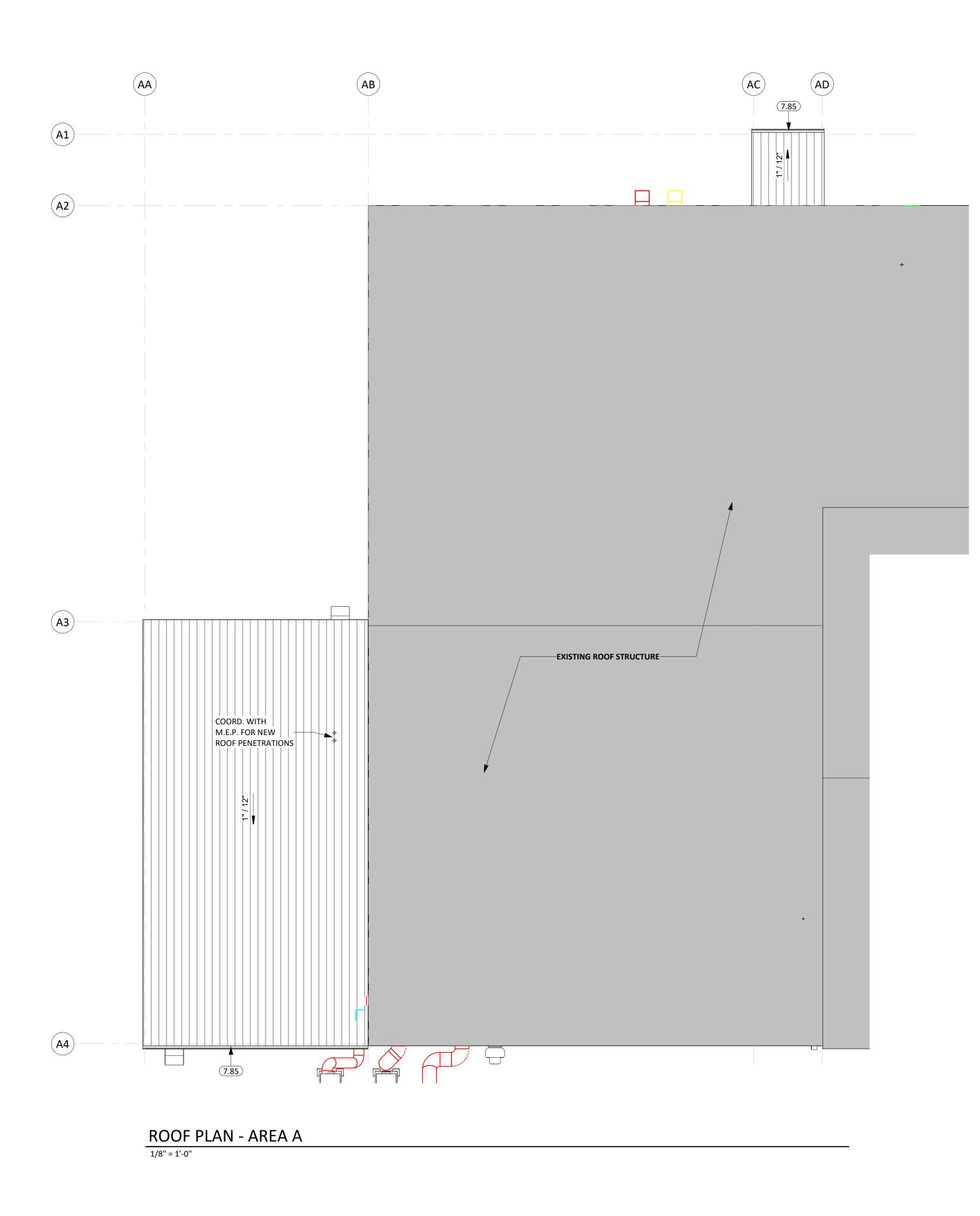
CORNER GUARDS 10.30 ROLLER WINDOW SHADES, SEE FINISH LEGEND 2 04

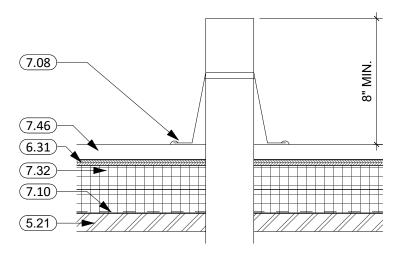












2 ROOF DETAIL - PIPE/CONDUIT

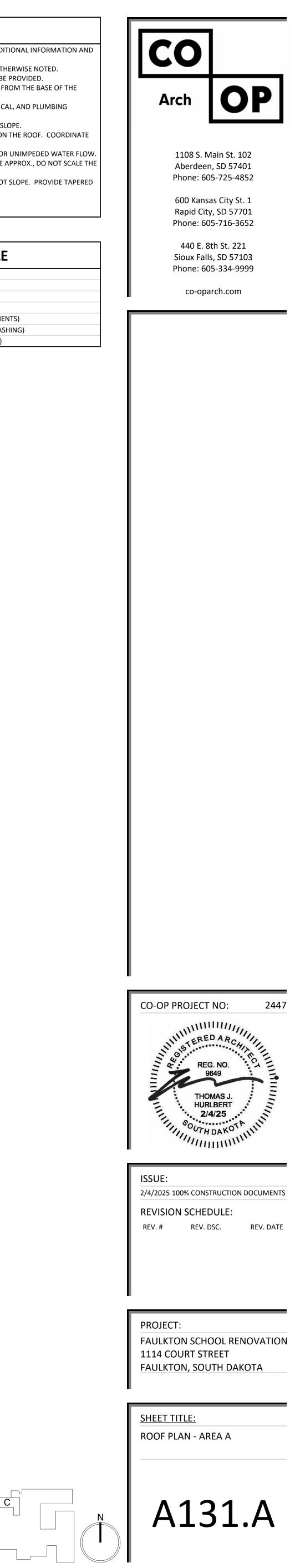
## **GENERAL NOTES**

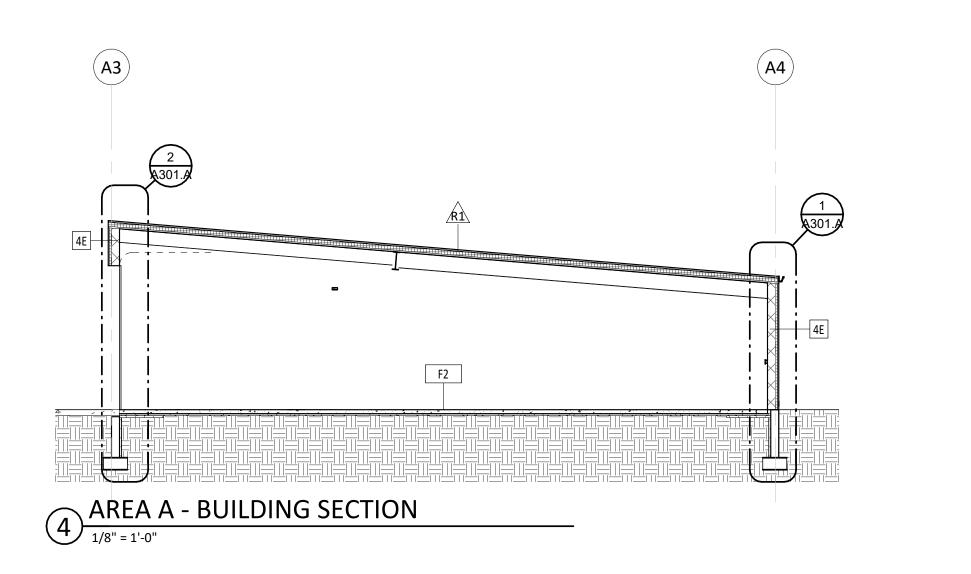
- . SEE CIVIL, STRUCTURAL, MECHANICAL, AND ELECTRICAL FOR ADDITIONAL INFORMATION AND COORDINATION.
- ALL TAPERED ROOF SYSTEM SLOPES ARE ¼" PER FOOT UNLESS OTHERWISE NOTED. ALL THRU ROOF PENETRATION BOOTS IN ROOF SYSTEM ARE TO BE PROVIDED.
- THE AIR & MOISTURE WEATHER BARRIER IS TO BE CONTINUOUS FROM THE BASE OF THE WALLS UP TO & TYING INTO THE ROOF BARRIER SYSTEM. COORDINATE ROOF PENETRATIONS WITH MECHANICAL, ELECTRICAL, AND PLUMBING
- CONTRACTORS.
- ALL ROOF SADDLES SHALL HAVE A MINIMUM OF 1/2" PER FOOT SLOPE.
- PROVIDE ROOF CURBS FOR ALL EQUIPMENT SCHEDULED TO BE ON THE ROOF. COORDINATE SIZE AND LOCATION WITH APPLICABLE TRADES.
- PROVIDE CRICKETS AT ALL ROOF TOP EQUIPEMENT TO ALLOW FOR UNIMPEDED WATER FLOW. 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 1/4" PER FOOT SLOPE. PROVIDE TAPERED INSULATION AS REQUIRED TO ACHIEVE 1/4" PER FOOT SLOPE.
- 1. PROVIDE R-30 MINIMUM ROOF INSULATION AT ROOF DRAINS.
- 12. PROVIDE ROOF WALKING PADS AS SHOWN.

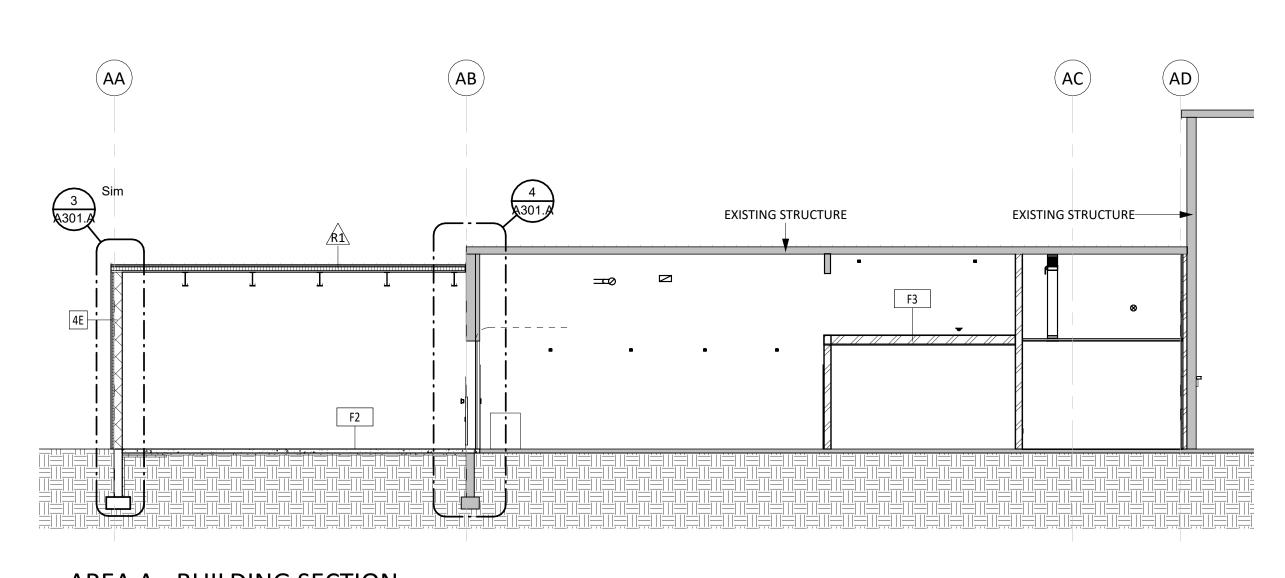
	<b>KEYNOTE SCHEDULE</b>
5.21	STEEL ROOF DECK (SEE ARCH. & STRUCT.)
6.31	1/2" EXTERIOR SHEATHING
7.08	
7.10	VAPOR BARRIER
7.32	RIGID INSULATION (SEE ROOF TYPES FOR REQUIREMENTS)
7.46	METAL ROOF PANELS(PROVIDE ALL REQ. TRIM & FLASHING)
7.85	PRE-FINSIHED GUTTER (COLOR TO MATCH EXISTING)

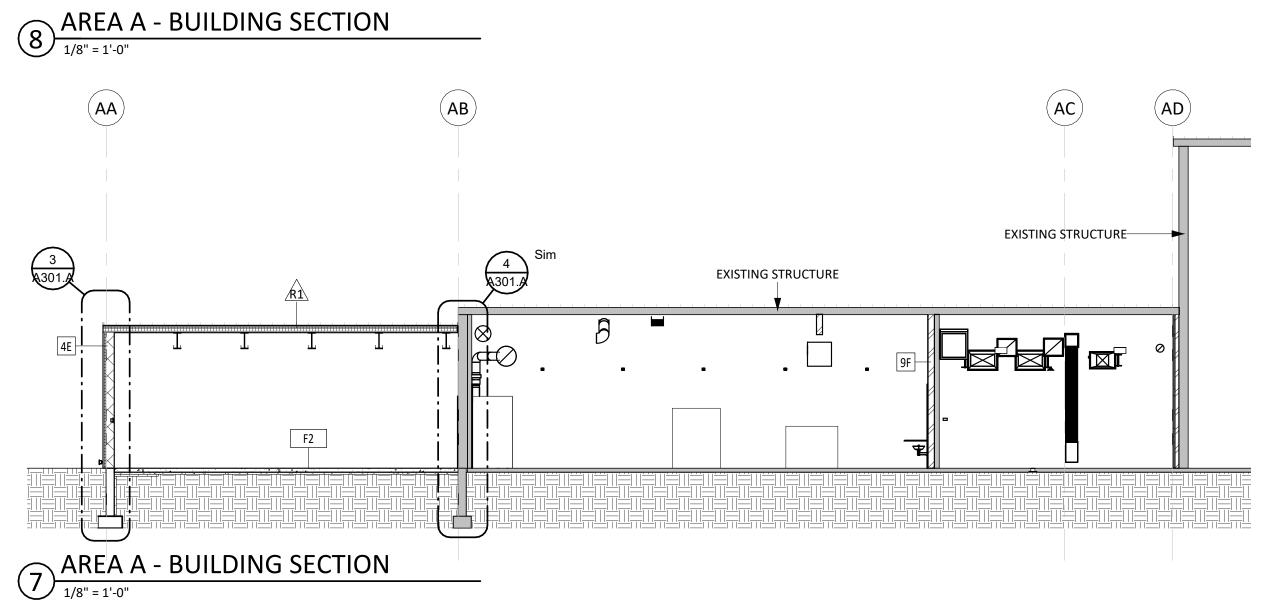
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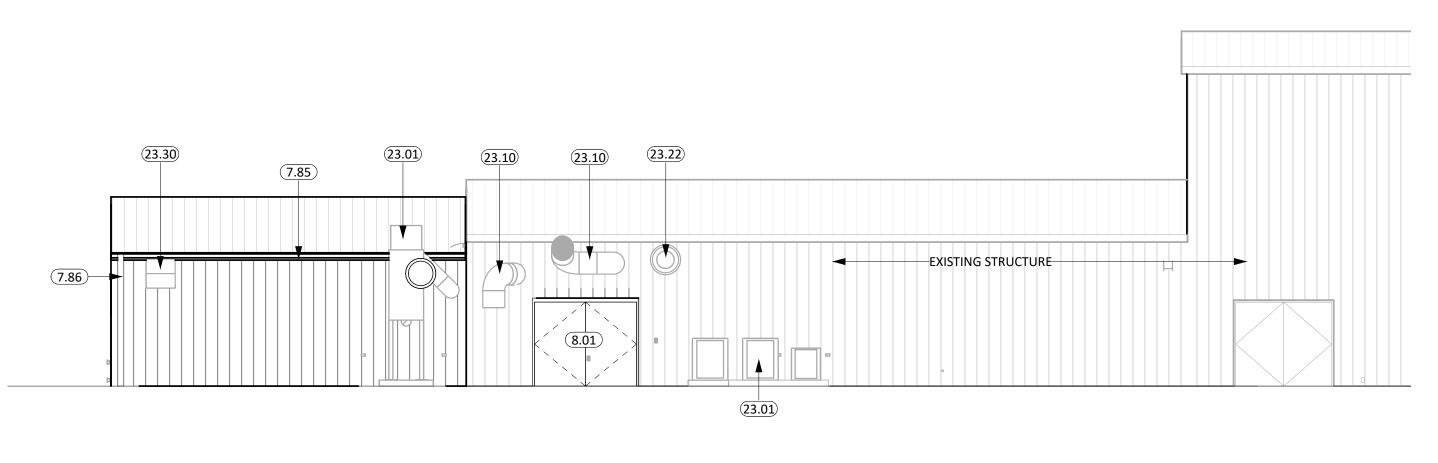




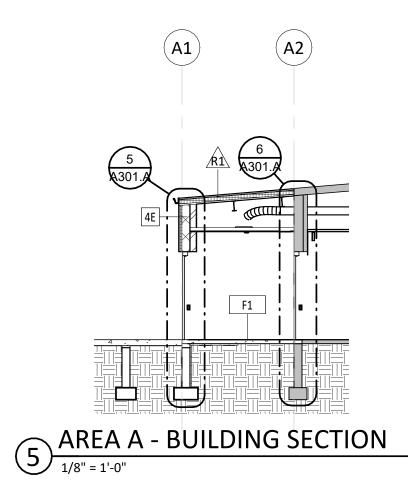


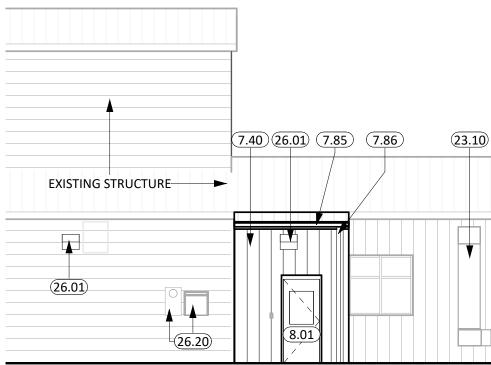






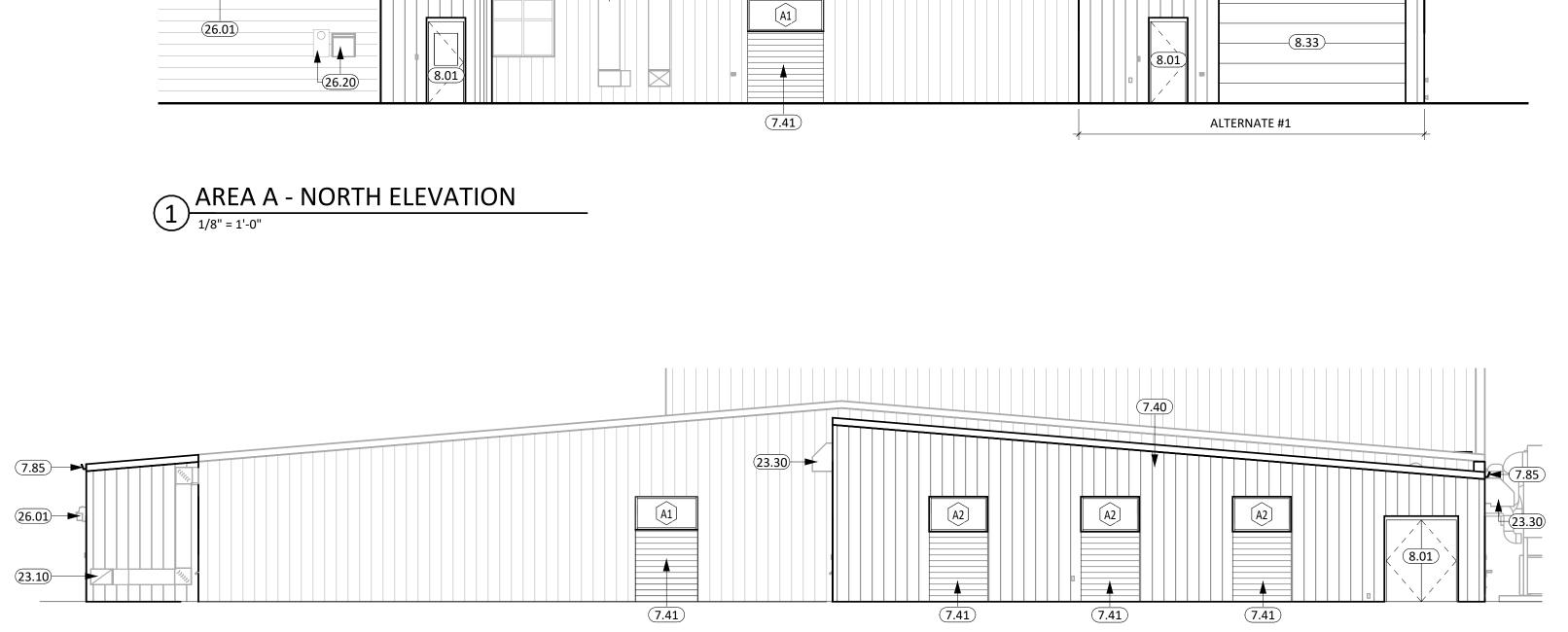
2 AREA A - SOUTH ELEVATION







3 AREA A - WEST ELEVATION



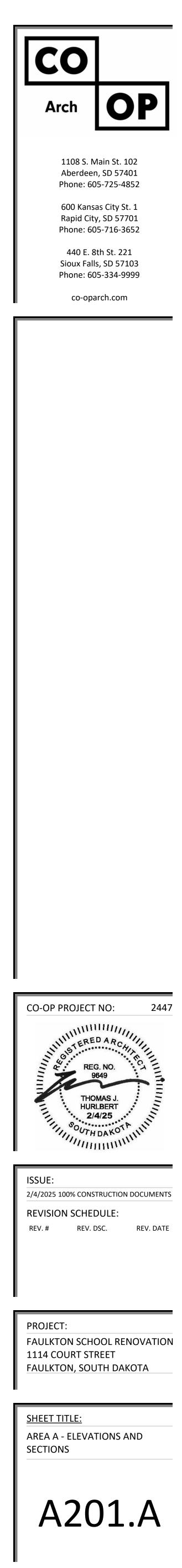
23.10

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(7.40)

	<b>KEYNOTE SCHEDULE</b>
7.40	METAL WALL PANELS MP-1 (MATCH EXISTING PROFILE AND COLOR) (PROVID 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-FINSIHED 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.)

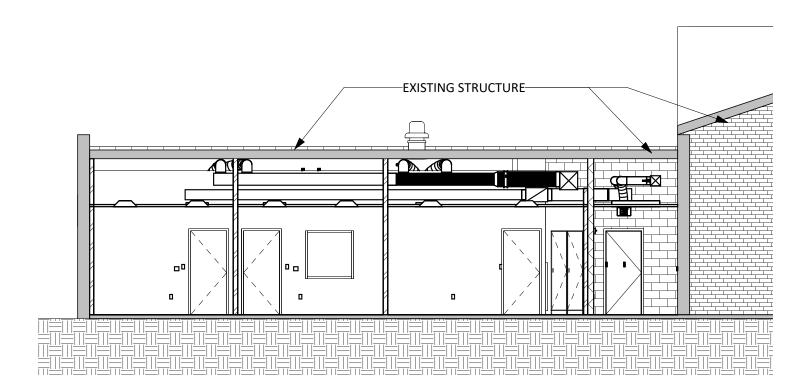




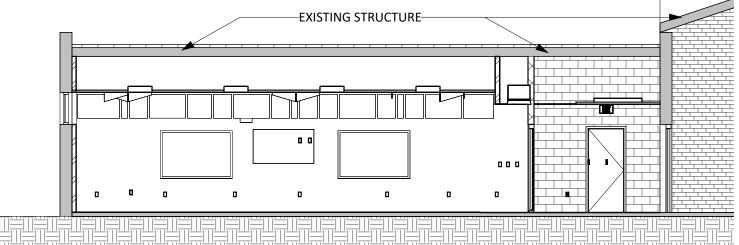
# 4 AREA B - BUILDING SECTION 2

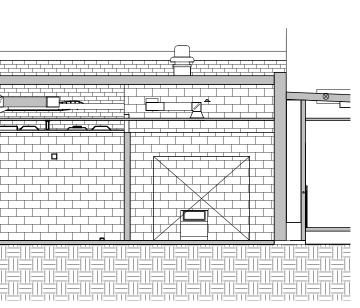
-EXISTING STRUCTURE

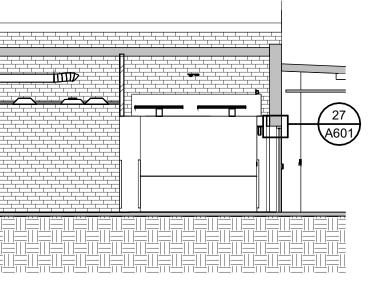
# 5 AREA B - BUILDING SECTION 3

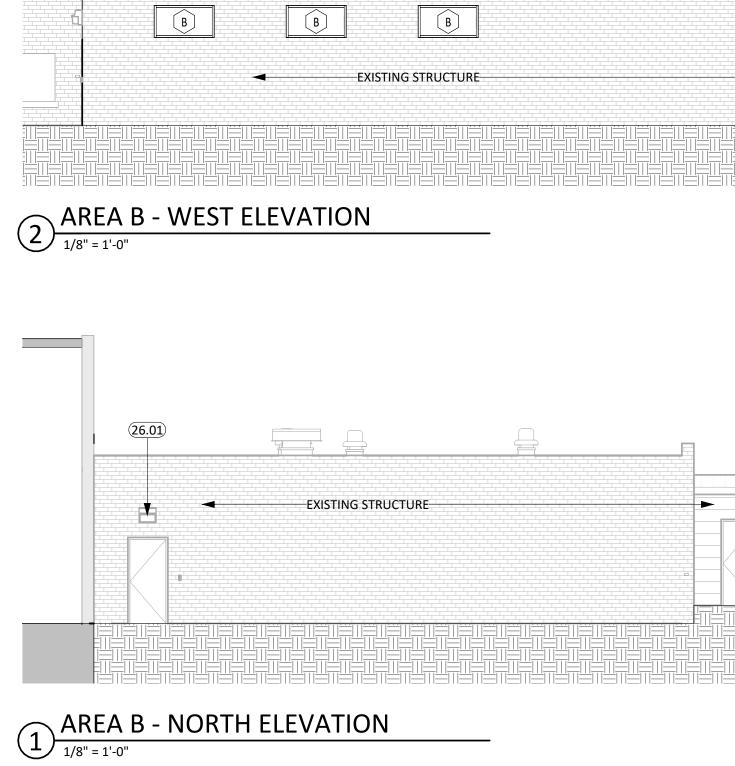


# 6 AREA B - BUILDING SECTION 4





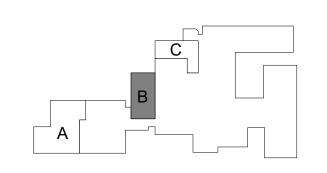


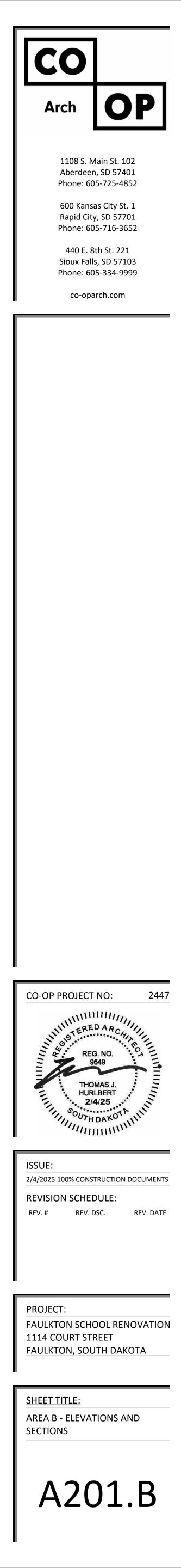


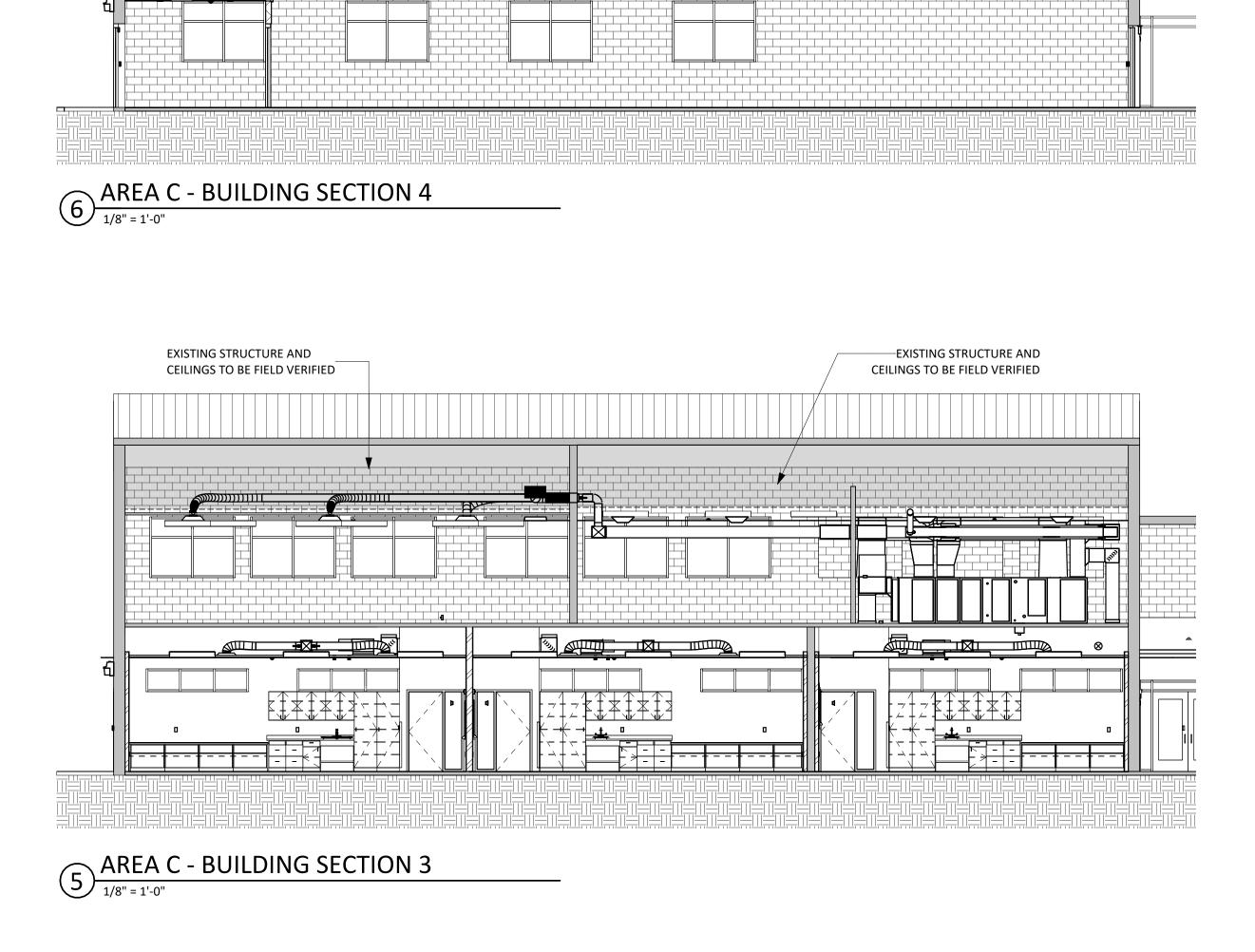
## **KEYNOTE SCHEDULE** SURFACE MOUNTED LIGHT FIXTURE

26.01

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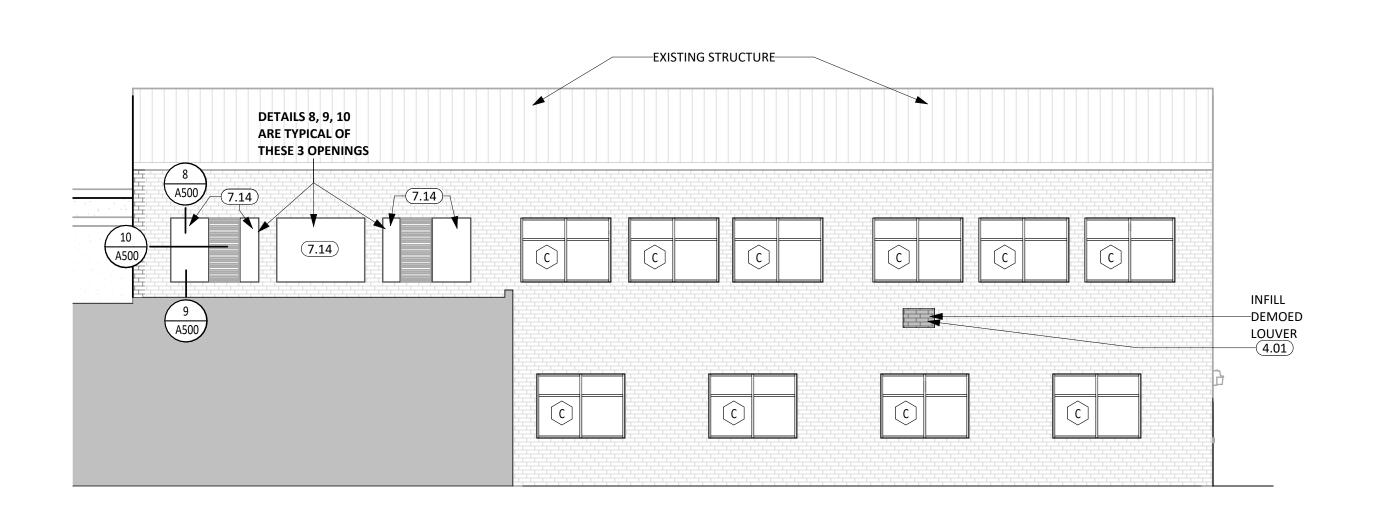


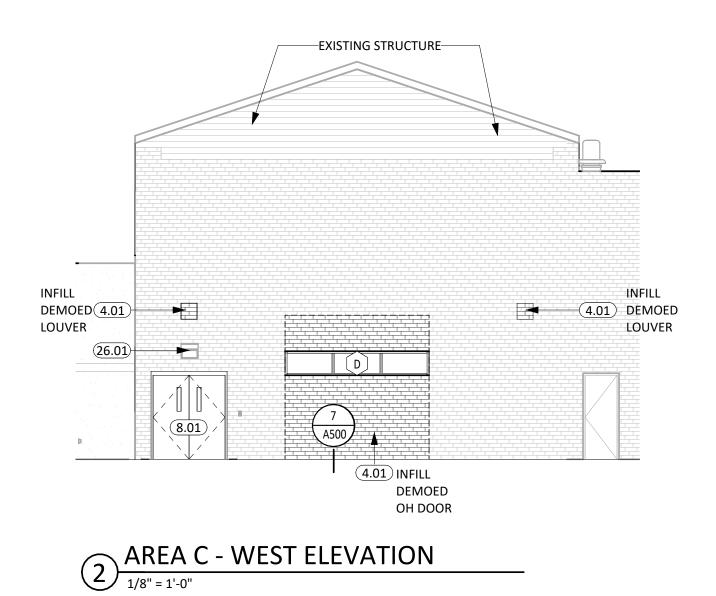


EXISTING STRUCTURE AND

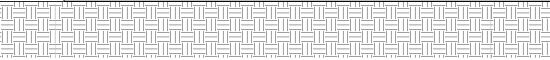
CEILINGS TO BE FIELD VERIFIED

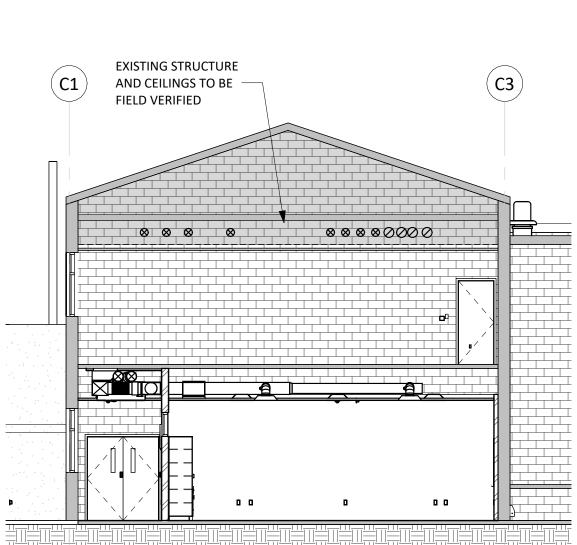


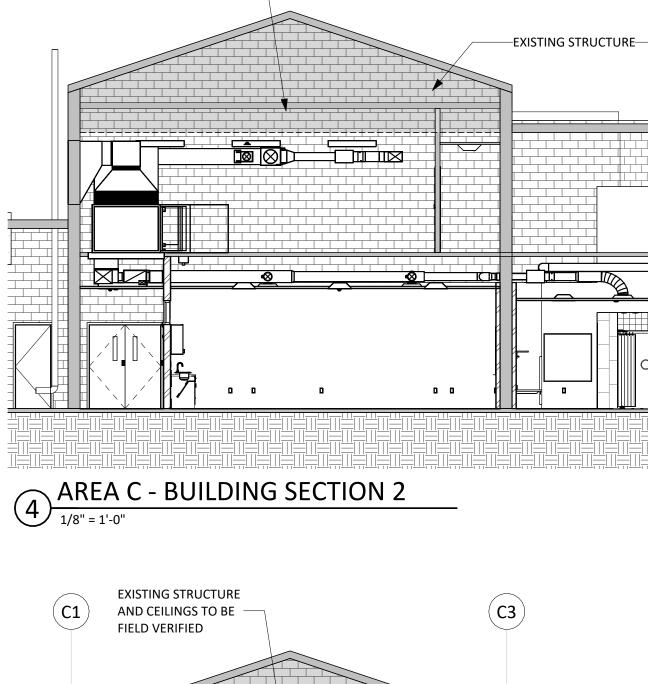












EXISTING STRUCTURE
AND CEILINGS TO BE

FIELD VERIFIED

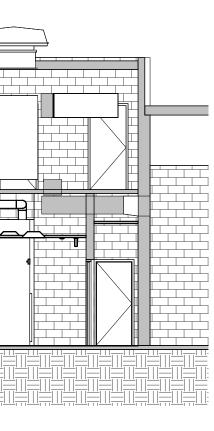


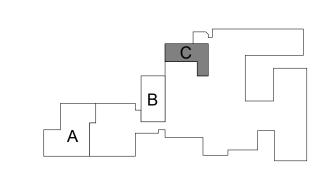
EXISTING STRUCTURE AND CEILINGS TO BE FIELD VERIFIED

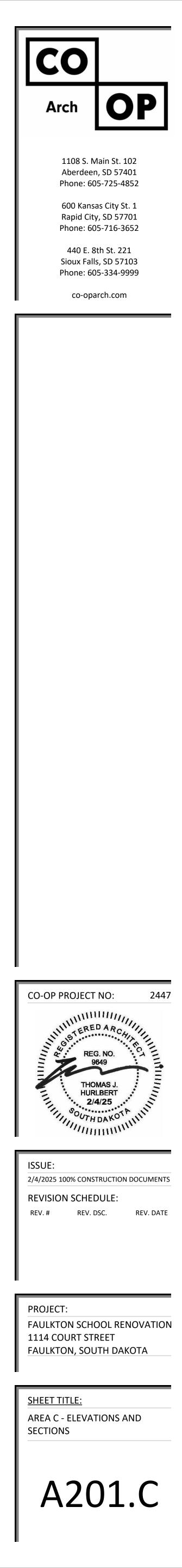
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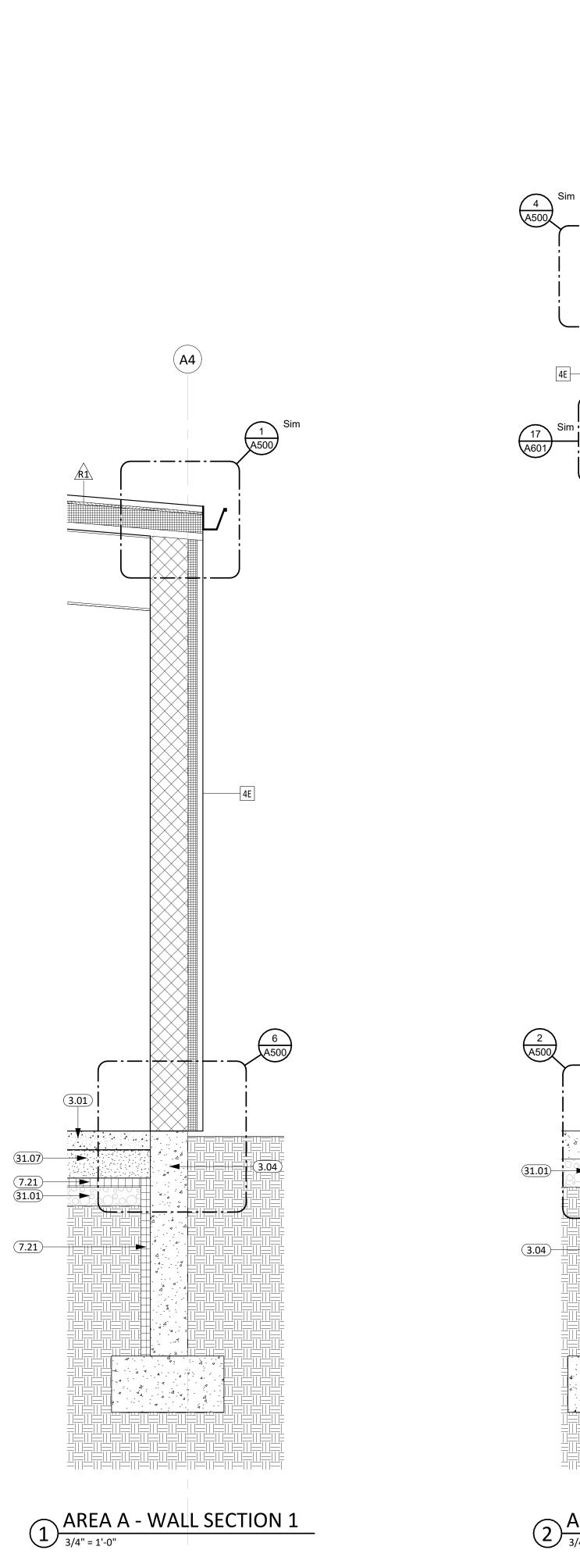
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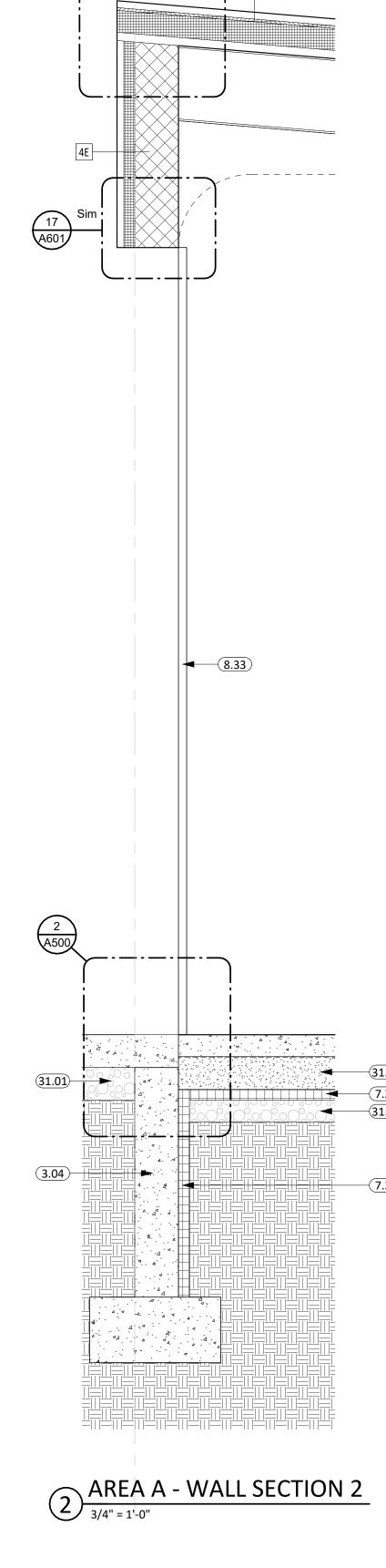
	KEYNOTE SCHEDULE
4.01	BRICK VENEER (COLOR TO MATCH EXISTING, COORDINATE WITH ARCHITECT)
7.14	EXTERIOR INSULATION & FINISH SYSTEM (EIFS)
8.01	DOOR (SEE SCHED.)
26.01	SURFACE MOUNTED LIGHT FIXTURE





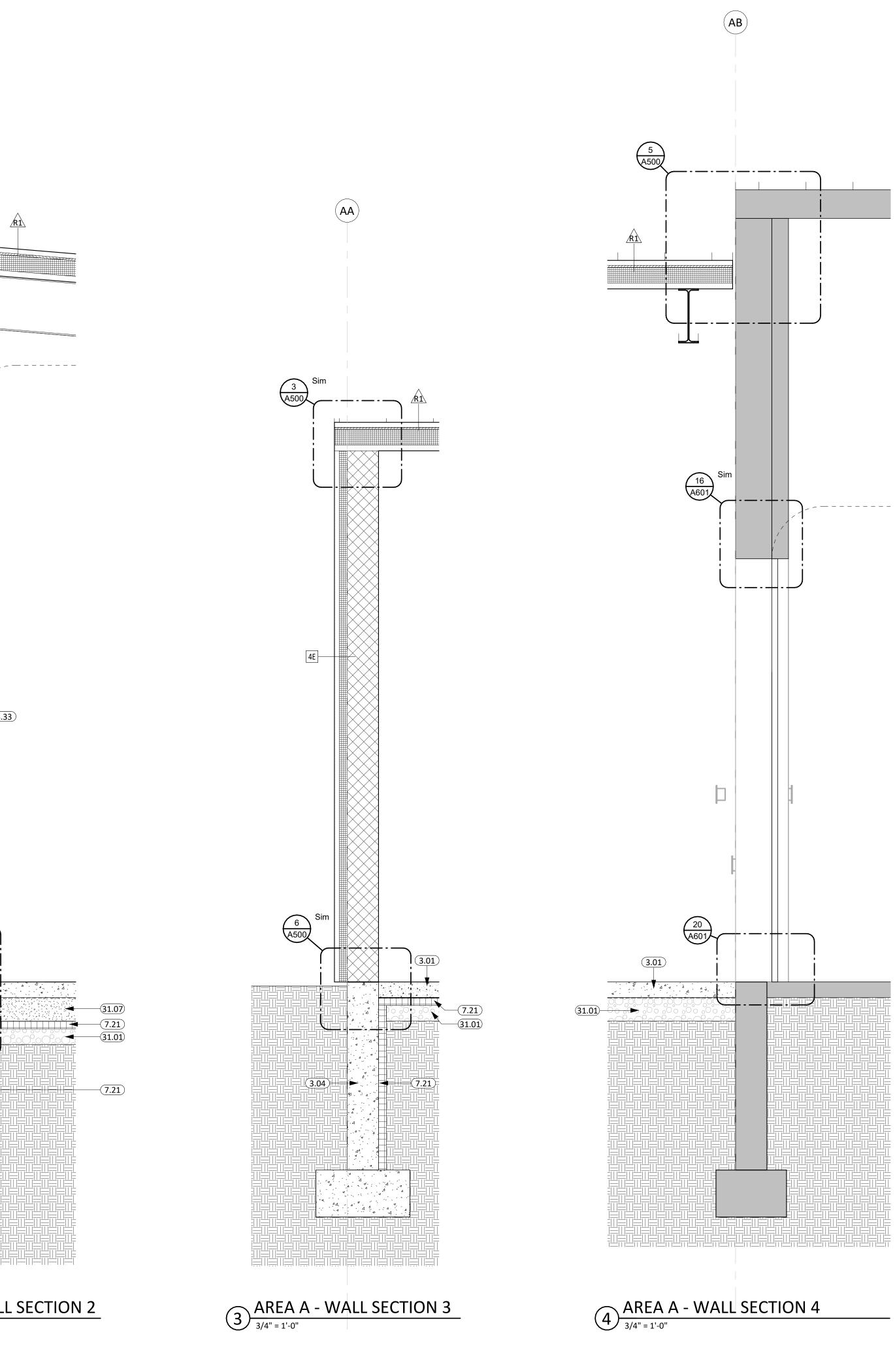




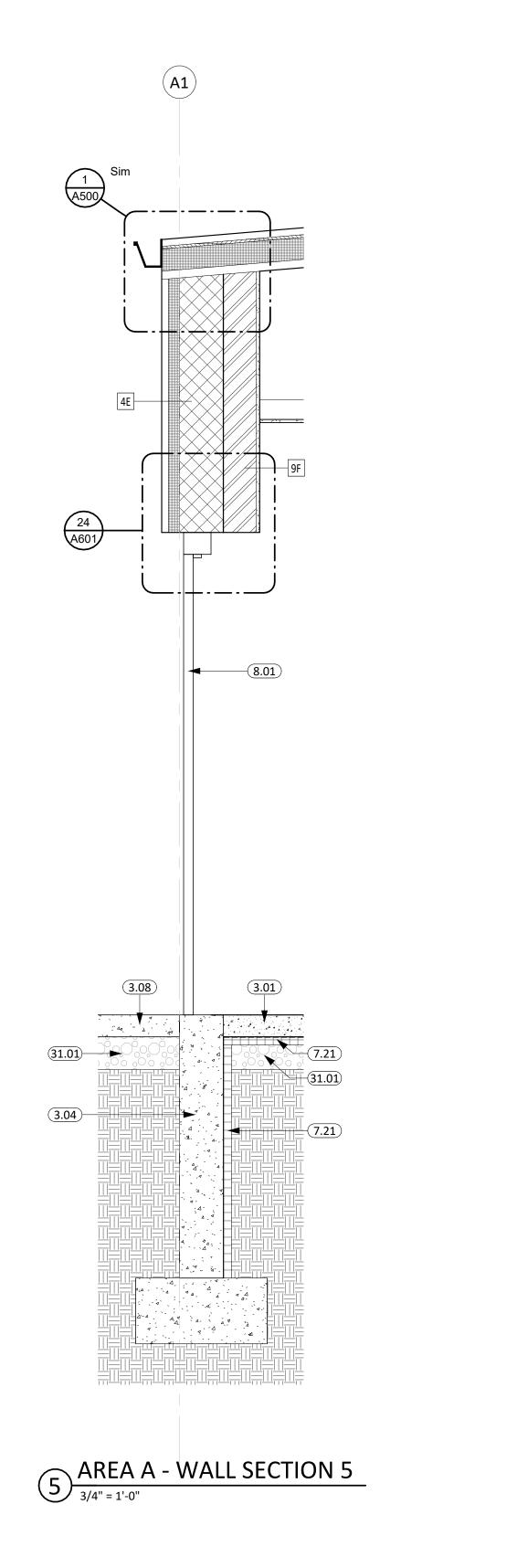


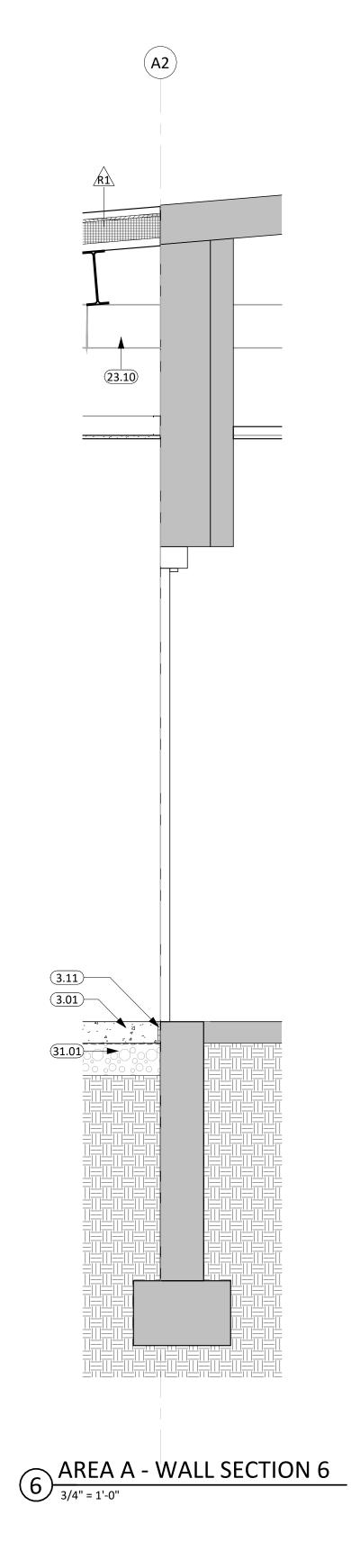
**A3** 

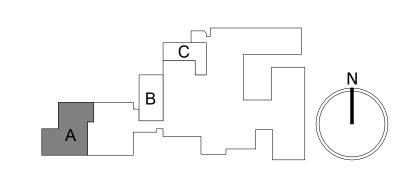
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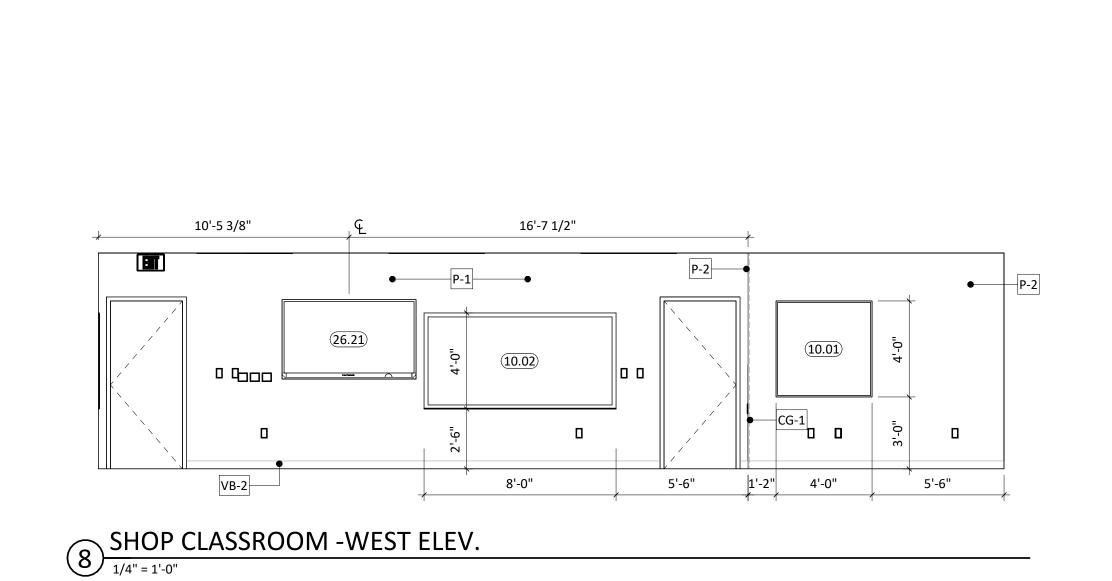
	KEYNOTE SCHEDULE
3.01	CONC. FLOOR SLAB ON GRADE (SEE STRUCT. FOR THICKNESS AND REINF.) w/ 15 MIL. VAPOR BARRIER BELOW
3.04	CONT. CONC. FOUNDATION WALL (SEE STRUCTURAL PLANS)
3.08	CONCRETE APRON (SEE CIVIL & STRUCTURAL FOR THICKNESS, REINF. AND OTHER REQUIREMENTS)
3.11	1/2" EXPANSION/ISOLATION JOINT MATERIAL
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.)

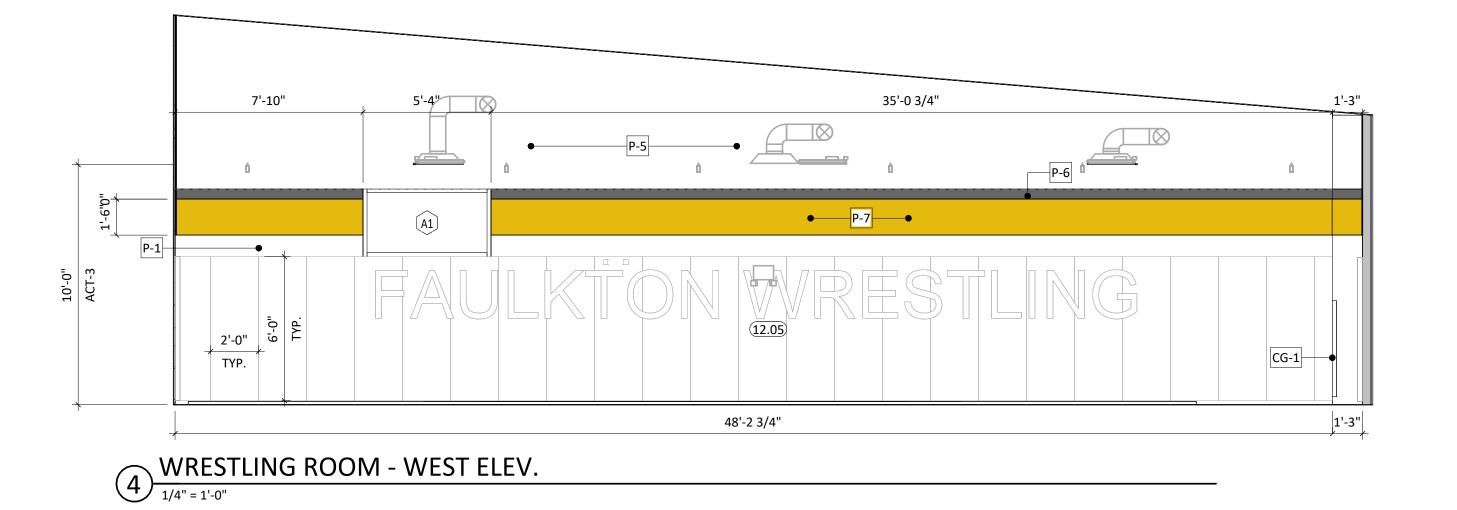


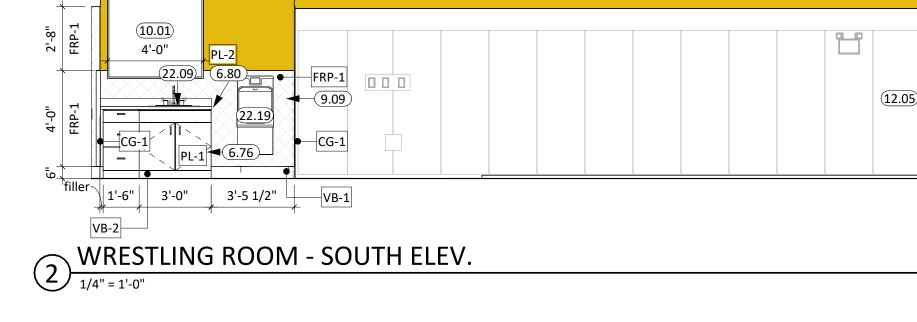


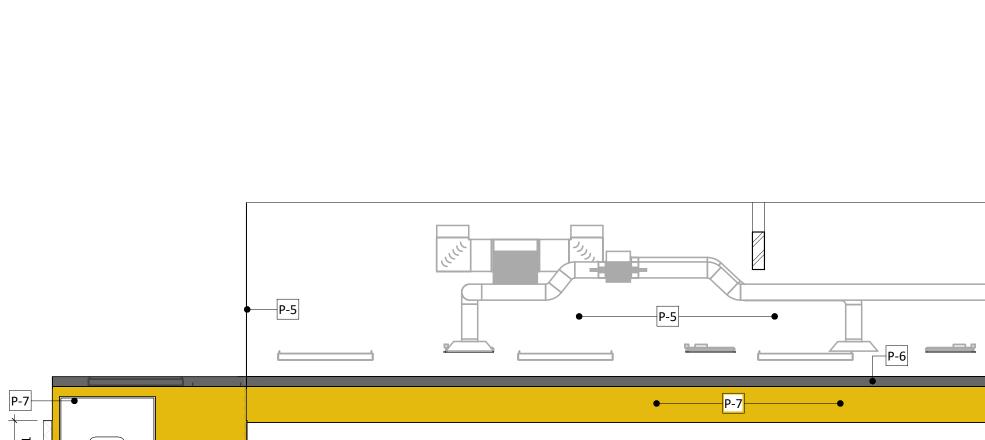


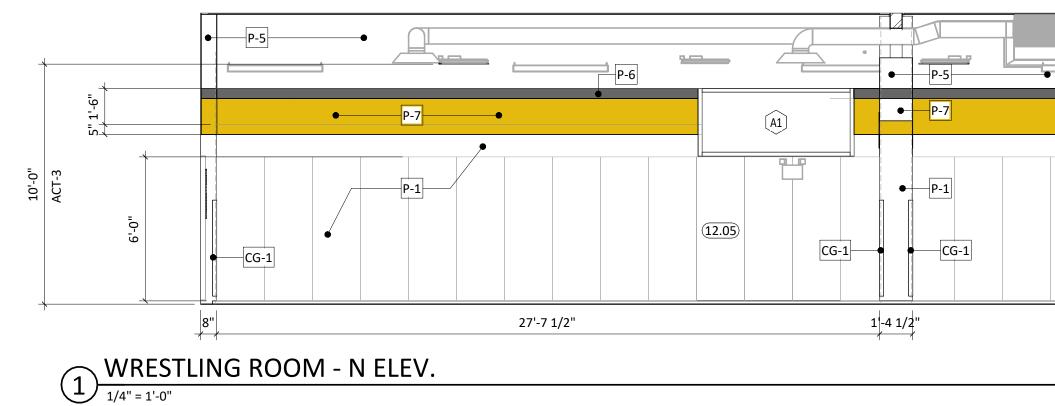


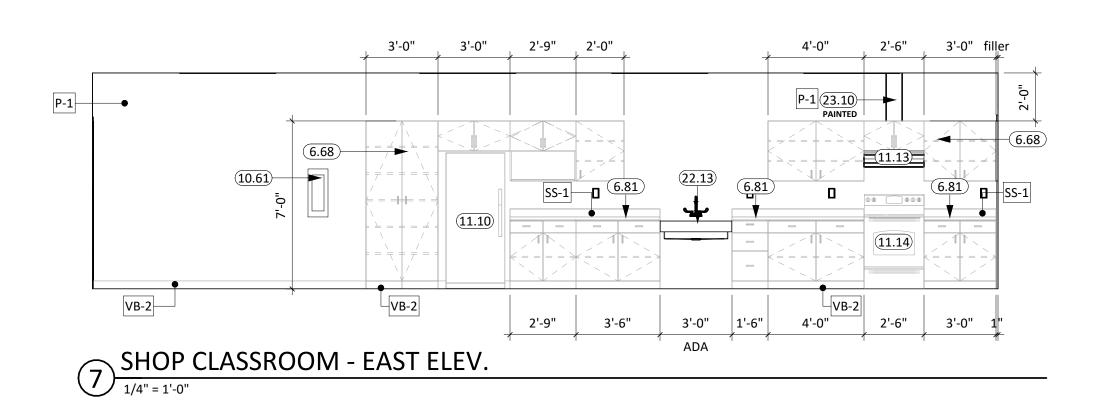


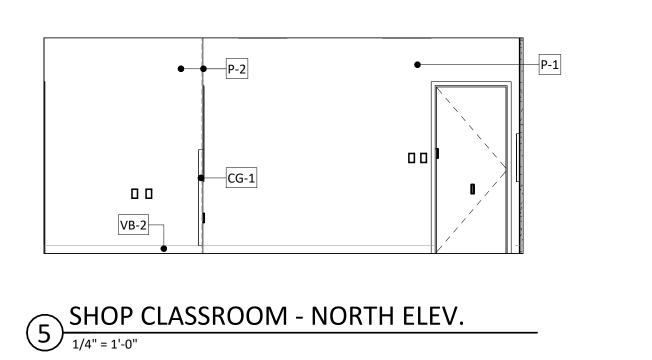




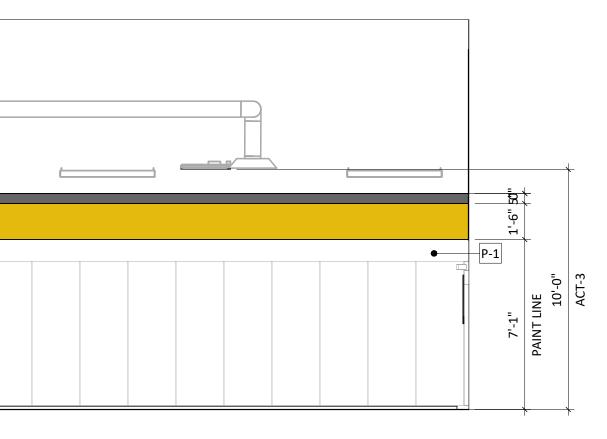


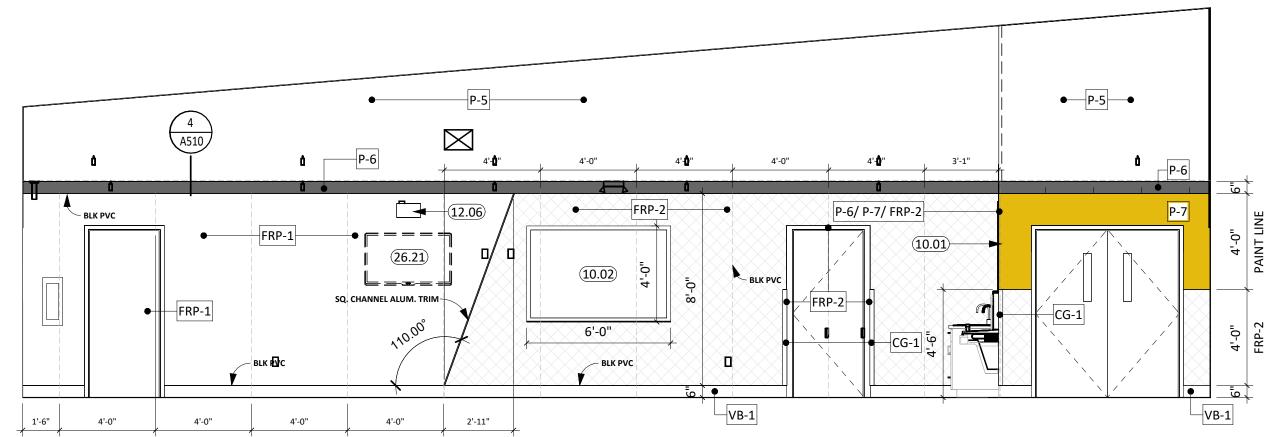


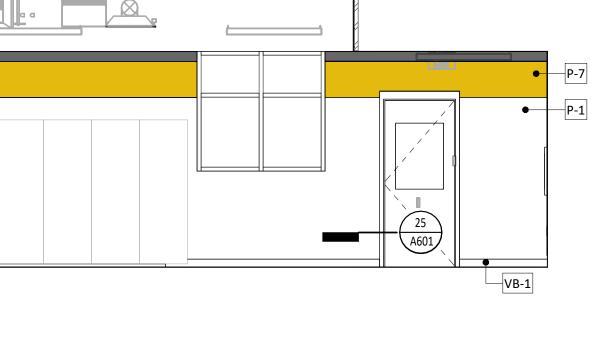








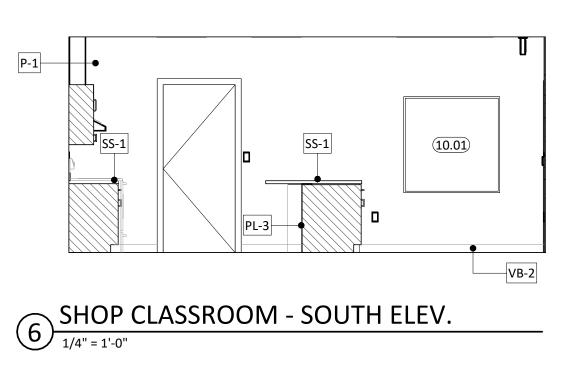


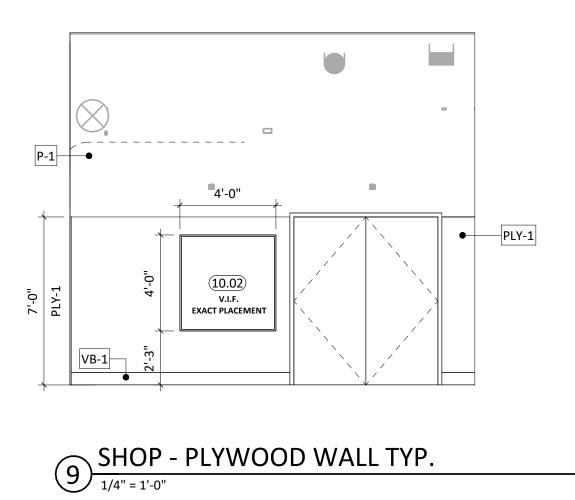


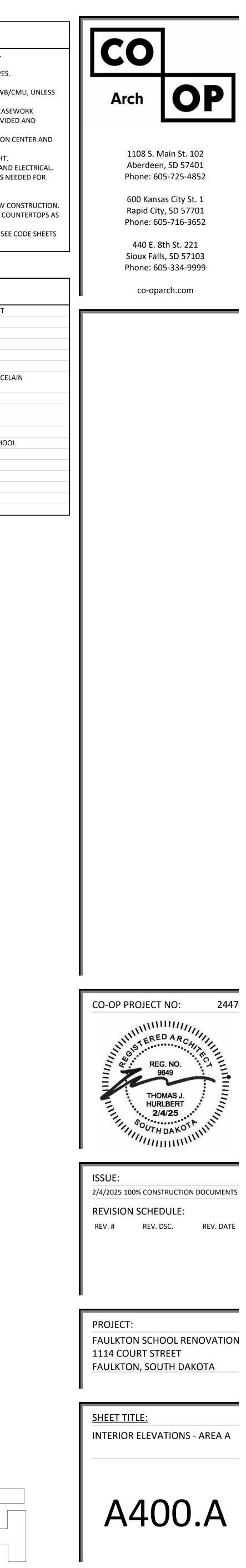
#### **GENERAL NOTES**

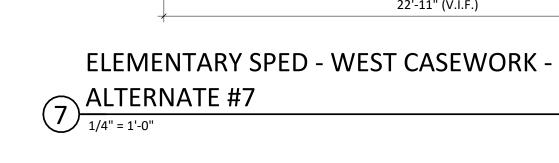
- 1. SEE SHEET <u>GOOO</u> FOR REQUIRED ADA CLEARANCES & MOUNTING HEIGHTS.
- . FIRE RATED WALLS ARE INDICATED ON THE CODE PLANS.
- ALL WALLS TO EXTEND TO DECK UNLESS OTHERWISE NOTED ON WALL TYPES.
   RESTROOM WALLS ARE SOUND INSULATED AND EXTEND TO THE DECK.
- 5. ALL INTERIOR DIMENSIONS ARE FROM FACE OF GWB/CMU TO FACE OF GWB/CMU, UNLESS OTHERWISE NOTED.
- 6. SEE FLOOR PLAN FOR CASEWORK PLAN INFORMATION. FIELD VERIFY ALL CASEWORK
- OPENINGS. COORDINATE ALL CASEWORK DIMENSIONS WITH OWNER PROVIDED AND CONTRACTOR PROVIDED APPLIANCES/EQUIPMENT.
  7. PROVIDE COUNTERTOP SUPPORTS AT OPEN SPACES AT MINIMUM OF 32" ON CENTER AND
- MAXIMUM OF 48" ON CENTER. 8. TALL CABINETS OVER 30" WIDE SHALL HAVE VERTICAL DIVIDER FULL HEIGHT.
- 9. COORDINATE DEVICE PENETRATIONS AT COUNTERTOPS w/ MECHANICAL AND ELECTRICAL.
  10. MILLWORK SUPPLIER SHALL PROVIDE FILLER PANELS AND SCRIBE STRIPS AS NEEDED FOR
- COMPLETE INSTALLATION. 11. PROVIDE FINISHED END PANELS AT EXPOSED MILLWORK SURFACES.
- 12. 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.

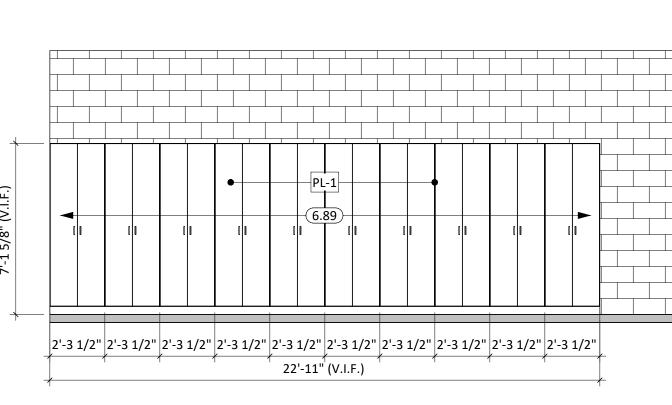
	<b>KEYNOTE SCHEDULE</b>
6.68	WOOD CABINETRY, SALVAGED AND RE-INSTALLED PER LAYOUT
6.76	FINISHED END
6.80	PLASTIC LAMINATE COUNTERTOP
6.81	SOLID SURFACE
9.09	WALL PROTECTION PANEL, SEE FINISH LEGEND
10.01	TACKBOARD
10.02	MARKERBOARD, BASIS OF DESIGN CLARIDGE LCS DELUXE PORCELAIN WHTIEBOARDS
10.61	FIRE 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







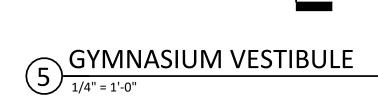




• P-6

• • CG-1

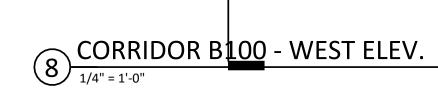
2.85

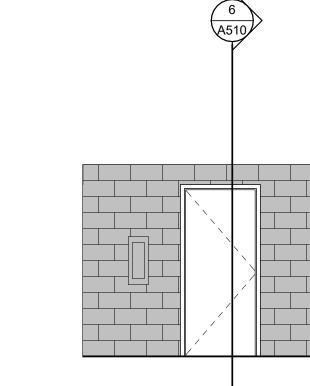


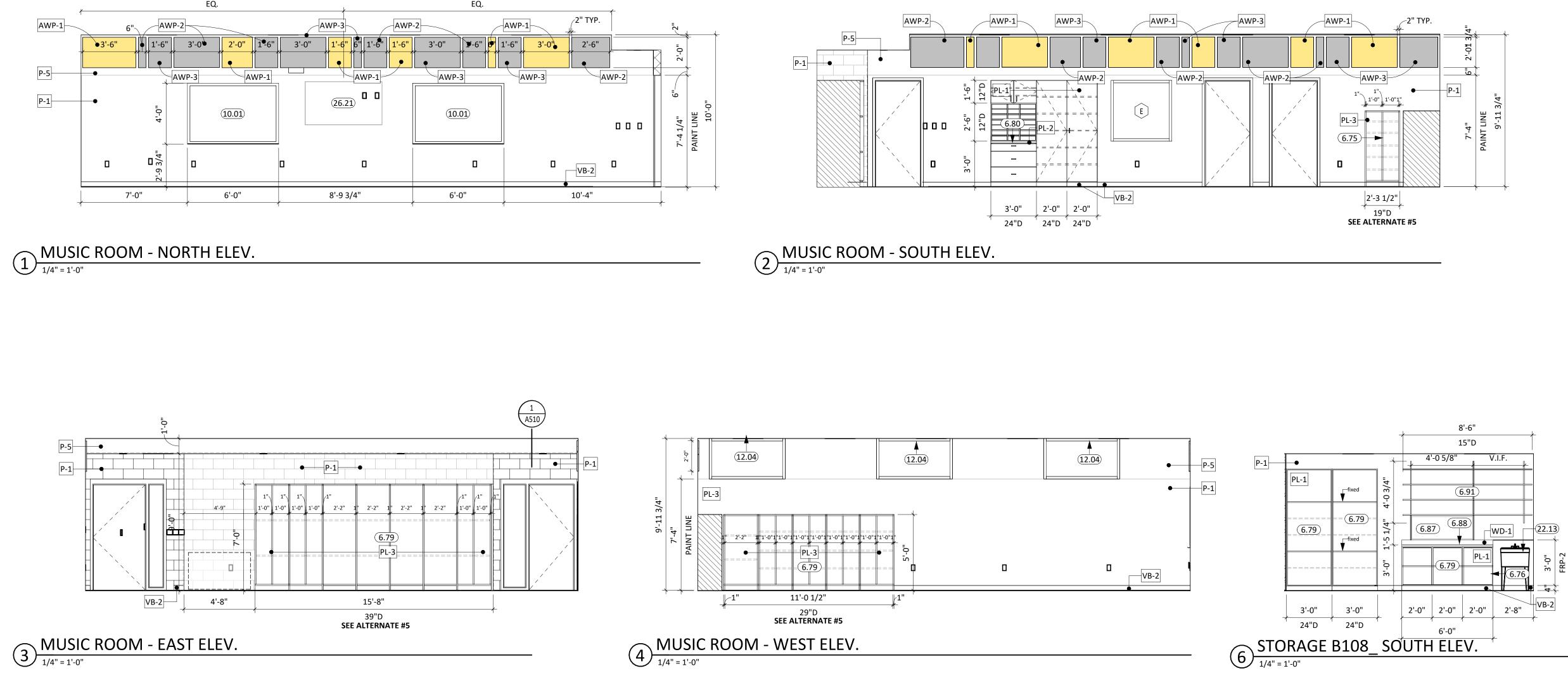
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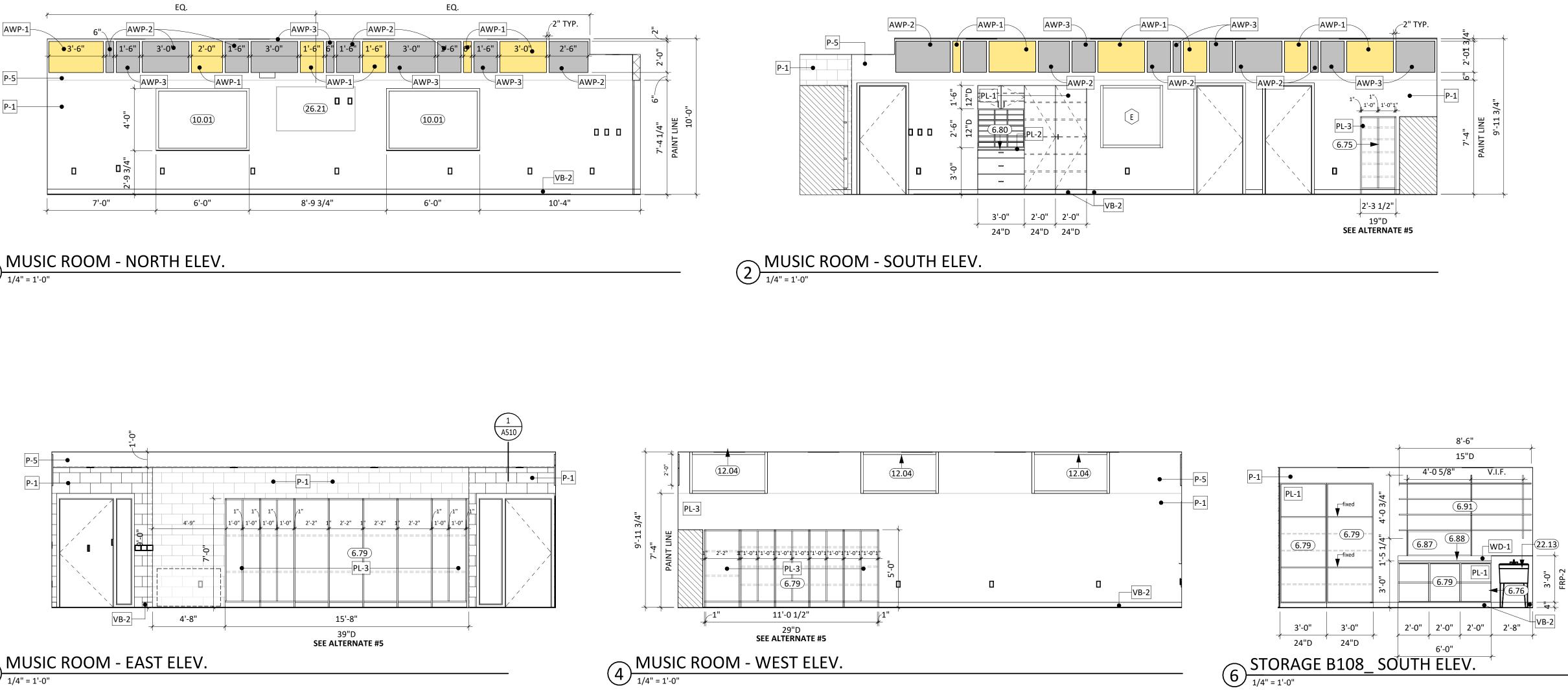
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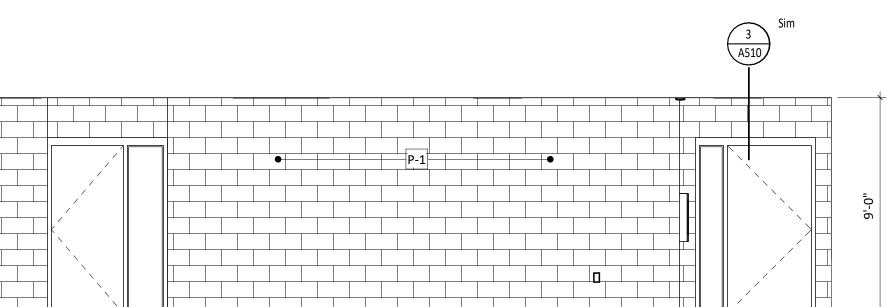


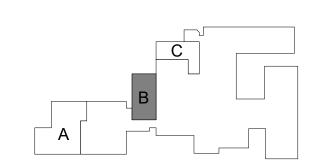
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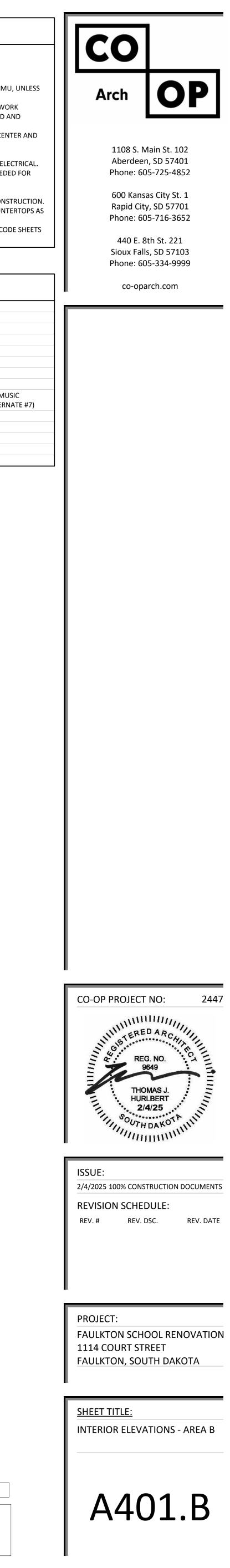
## **GENERAL NOTES**

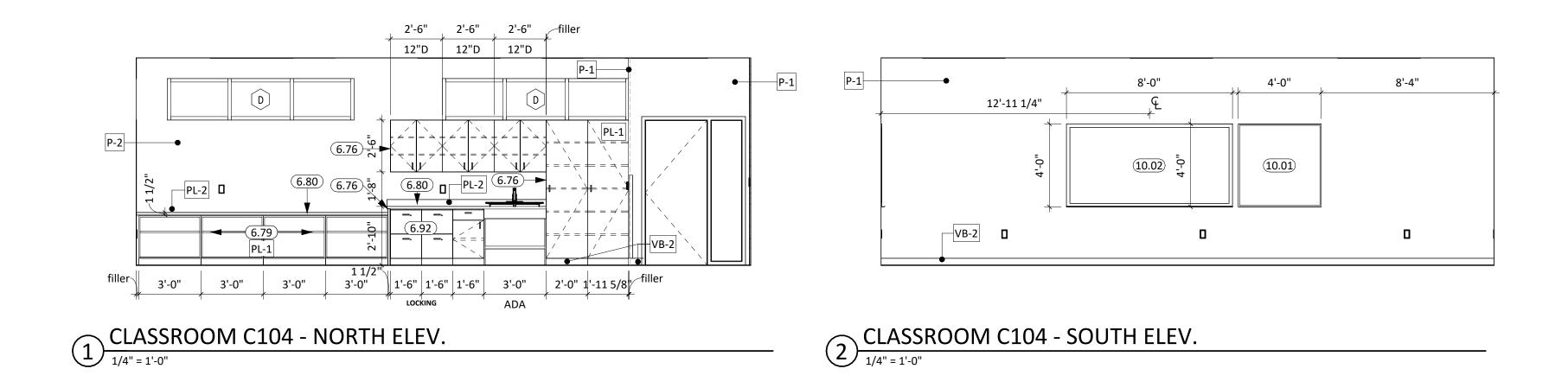
- . SEE SHEET <u>GOOO</u> FOR REQUIRED ADA CLEARANCES & MOUNTING HEIGHTS.
- FIRE RATED WALLS ARE INDICATED ON THE CODE PLANS. ALL WALLS TO EXTEND TO DECK UNLESS OTHERWISE NOTED ON WALL TYPES.
- RESTROOM WALLS ARE SOUND INSULATED AND EXTEND TO THE DECK.
- ALL INTERIOR DIMENSIONS ARE FROM FACE OF GWB/CMU 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. .0. MILLWORK SUPPLIER SHALL PROVIDE FILLER PANELS AND SCRIBE STRIPS AS NEEDED FOR
- COMPLETE INSTALLATION. 11. PROVIDE FINISHED END PANELS AT EXPOSED MILLWORK SURFACES.
- 12. COORDINATE INSTALLATION OF OWNER PROVIDED EQUIPMENT WITH NEW CONSTRUCTION.
- 13. CAULK PERIMETER OF TUB/SHOWER UNITS, TOILETS, URINALS, SINKS AND COUNTERTOPS AS REQUIRED.
- 14. PROVIDE 2x BLOCKING AT GRAB BAR AND FUTURE GRAB BAR LOCATIONS. SEE CODE SHEETS FOR ADDITIONAL BLOCKING INFORMATION.

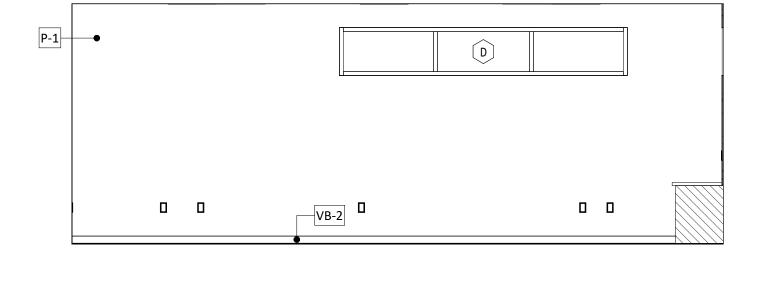
	<b>KEYNOTE SCHEDULE</b>
2.85	REMOVE AND SALVAGE "AED" BOX & SIGNAGE
4.10	CONCRETE MASONRY UNIT
6.75	PLASTIC LAMINATE TALL STORAGE CABINET
6.76	FINISHED END
6.79	PLASTIC LAMINATE OPEN SHELF BASE CABINET, ADJ.
6.80	PLASTIC LAMINATE COUNTERTOP
6.87	PEG BOARD, 18"Hx48"W
6.88	1.5" MAPLE BUTCHER BLOCK BENCHTOP W/ SPLASH, SEALED
6.89	PLASTIC LAMINATE (PL-1) PARTIAL OVERLAY DOORS ON EXISTING MU STORAGE CASEWORK - VERIFY EXISTING CASEWORK IN FIELD (ALTERN
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

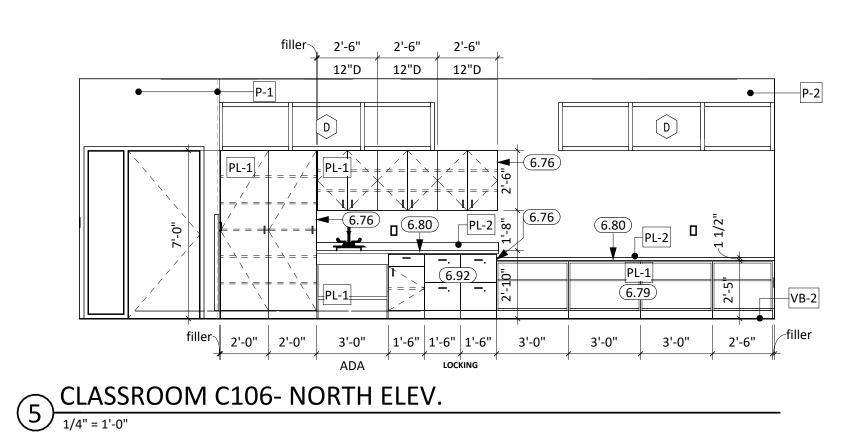




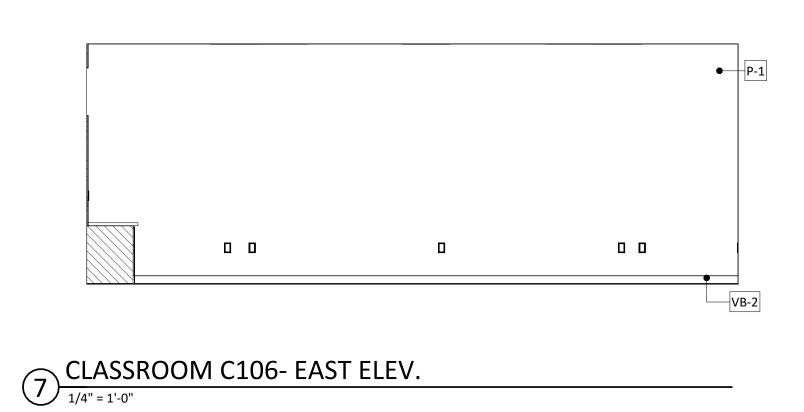


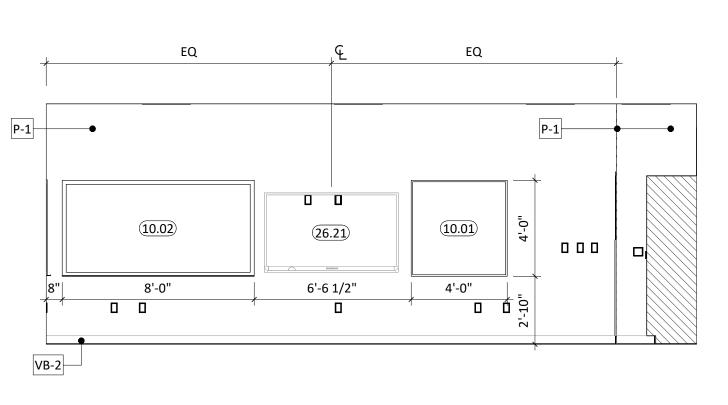


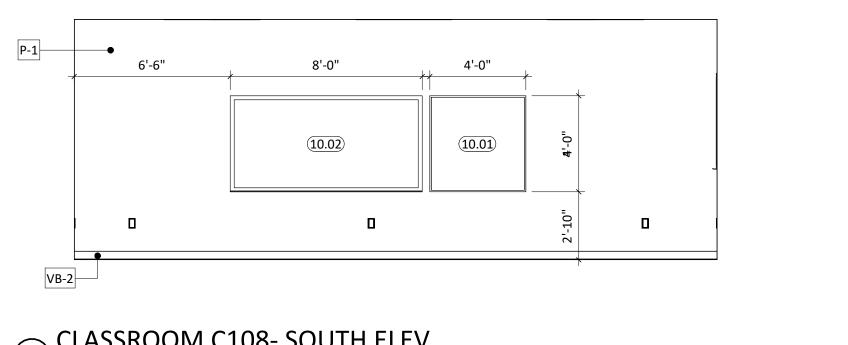




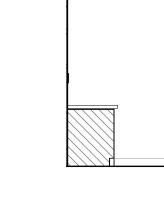
 $(4) \frac{\text{CLASSROOM C104 - WEST ELEV.}}{\frac{1}{4"} = 1'-0"}$ 



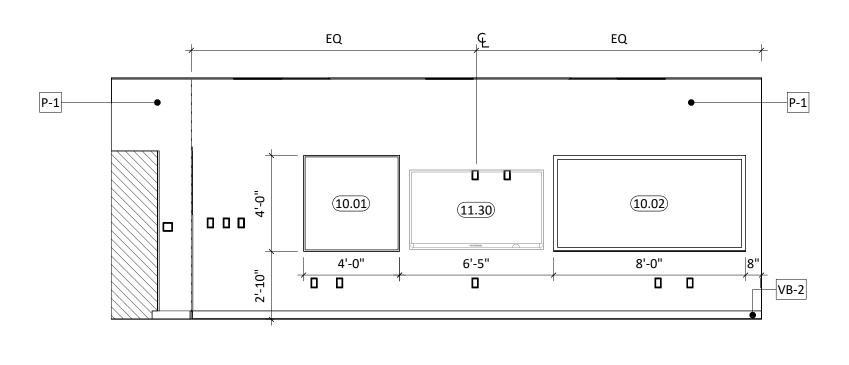


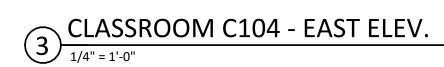


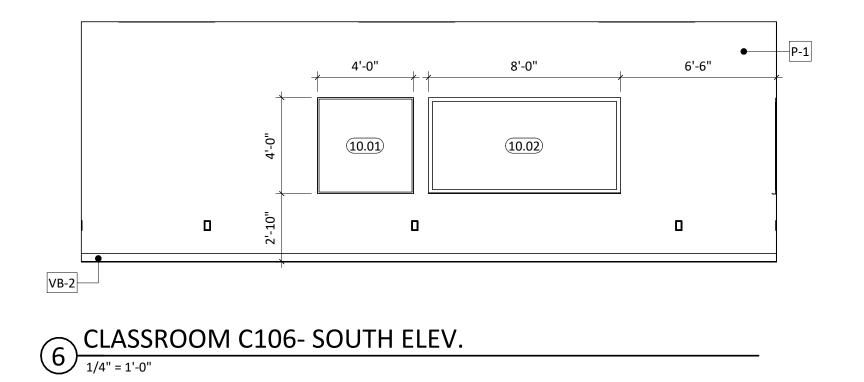
10 CLASSROOM C108- SOUTH ELEV.



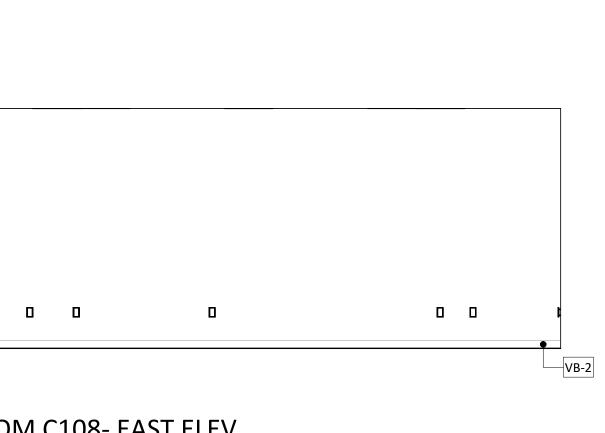
P-1 •

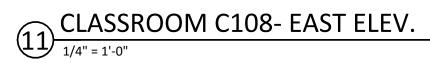


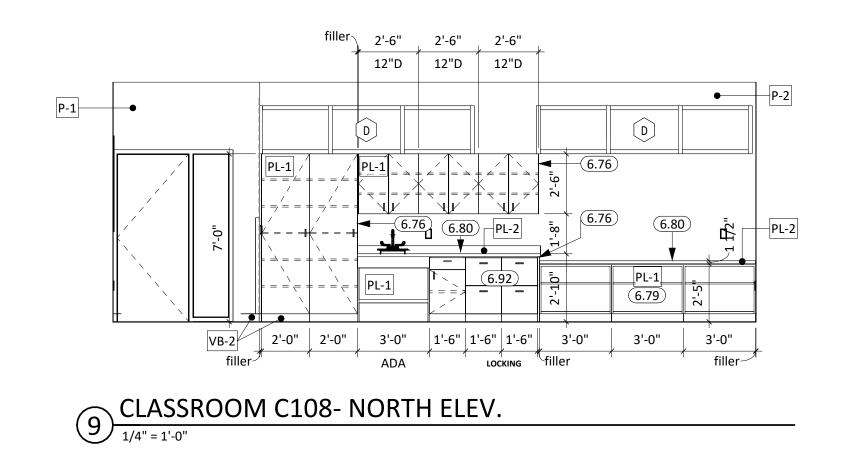


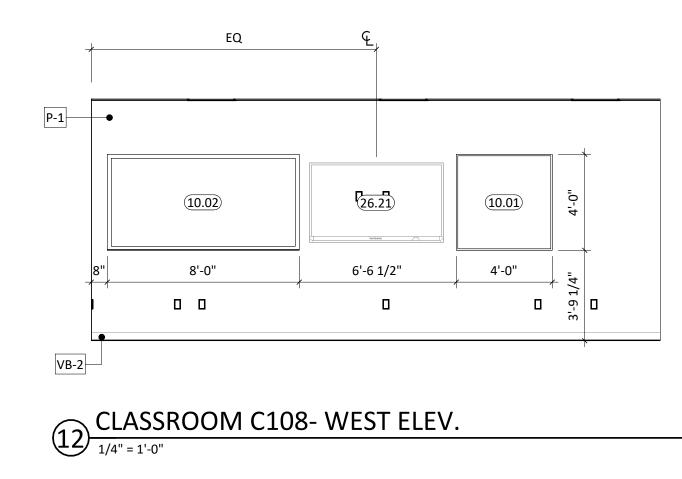


8 CLASSROOM C106- WEST ELEV.







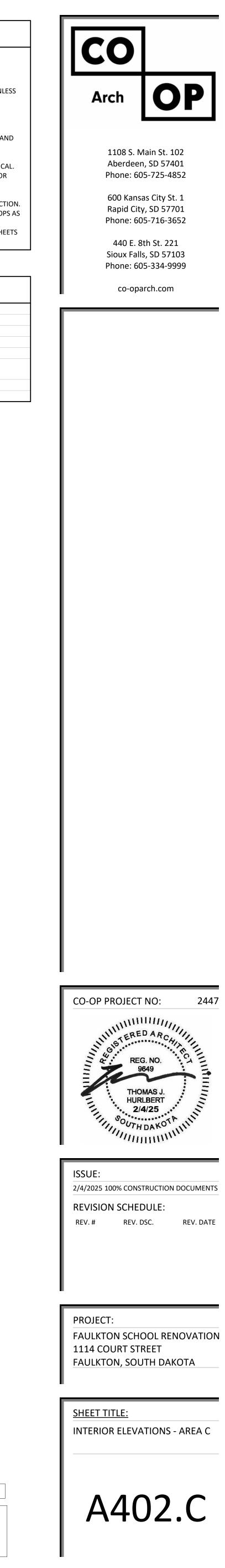


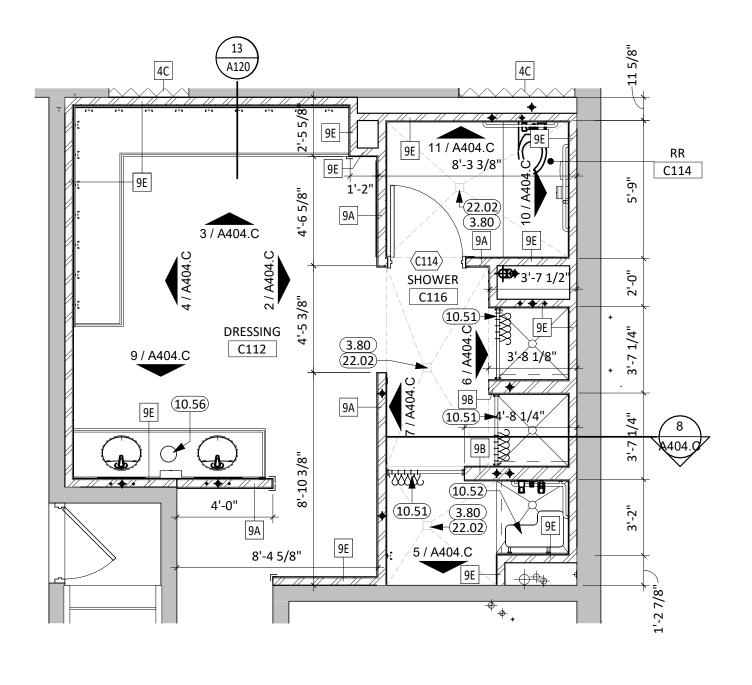
## **GENERAL NOTES**

- SEE SHEET <u>GOOO</u> 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.
- L. PROVIDE FINISHED END PANELS AT EXPOSED MILLWORK SURFACES.
- 12. COORDINATE INSTALLATION OF OWNER PROVIDED EQUIPMENT WITH NEW CONSTRUCTION. 13. CAULK PERIMETER OF TUB/SHOWER UNITS, TOILETS, URINALS, SINKS AND COUNTERTOPS AS
- REQUIRED. 4. PROVIDE 2x BLOCKING AT GRAB BAR AND FUTURE GRAB BAR LOCATIONS. SEE CODE SHEETS FOR ADDITIONAL BLOCKING INFORMATION.

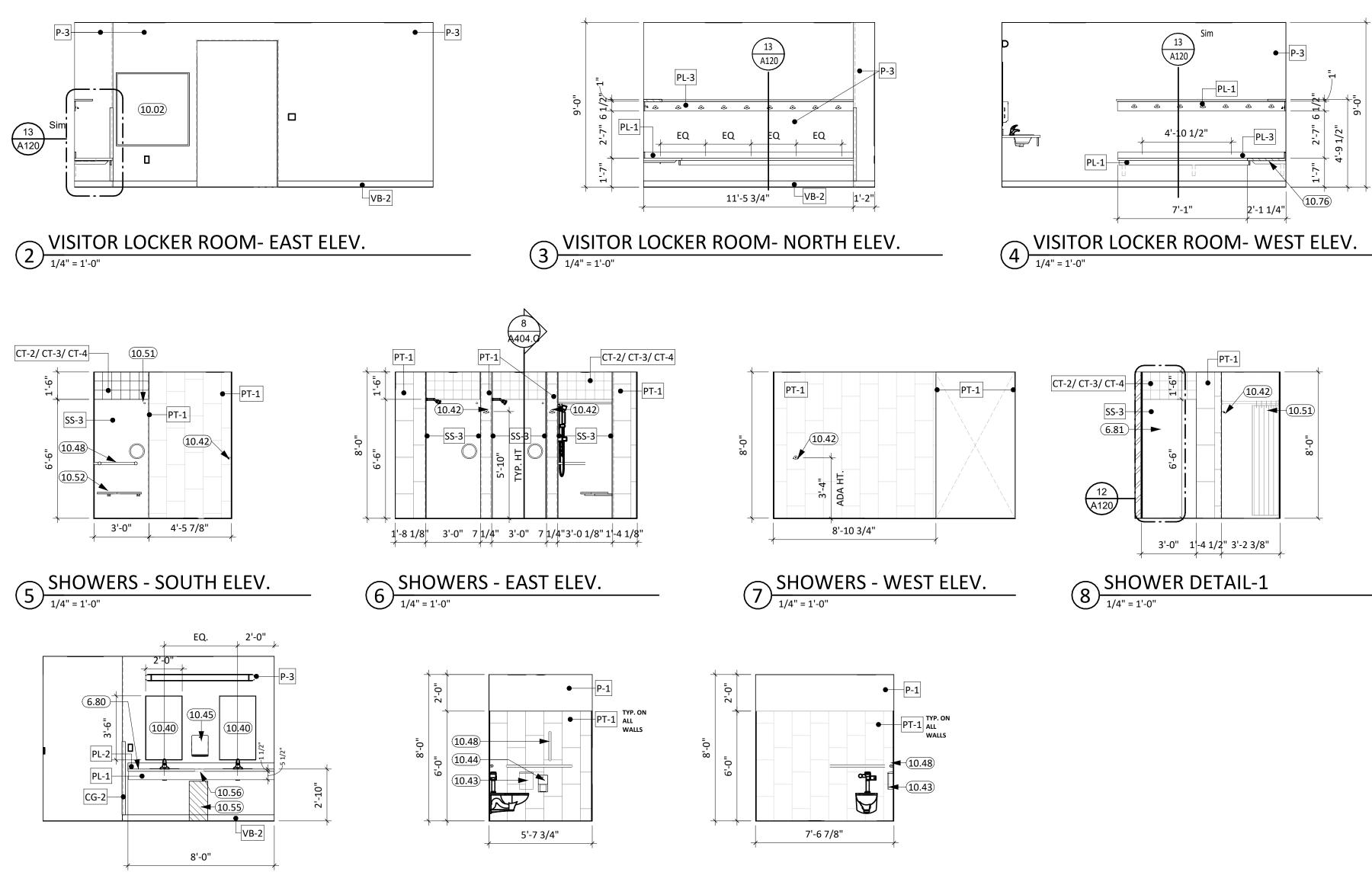
KEYNOTE SCHEDULE							
6.76	FINISHED END						
6.79	PLASTIC LAMINATE OPEN SHELF BASE CABINET, ADJ.						
6.80	PLASTIC LAMINATE COUNTERTOP						
6.92	LOCK						
10.01	TACKBOARD						
10.02	MARKERBOARD, BASIS OF DESIGN CLARIDGE LCS DELUXE PORCELAIN WHTIEBOARDS						
11.30	PROJECTION SCREEN						
26.21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

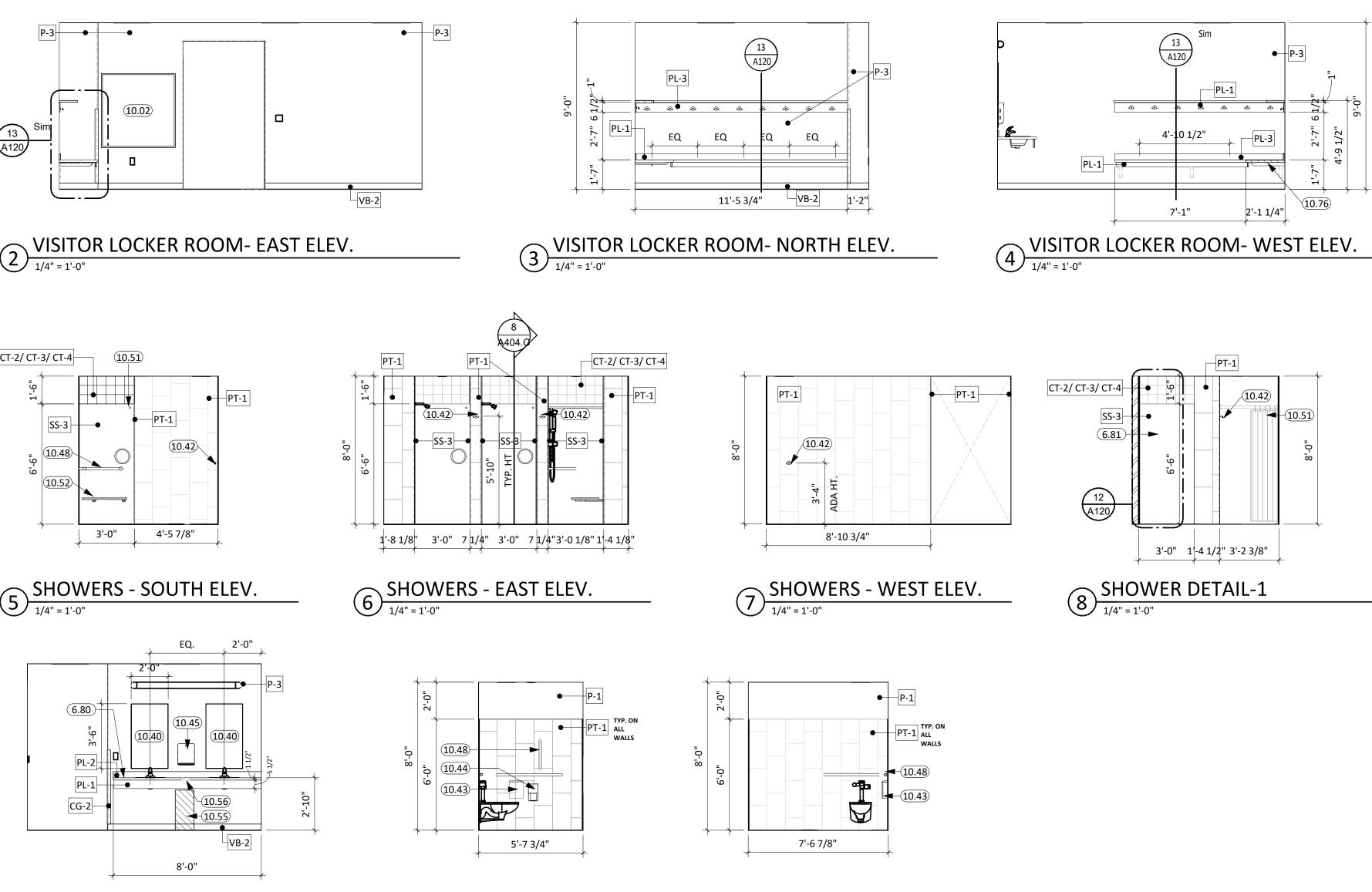
С 

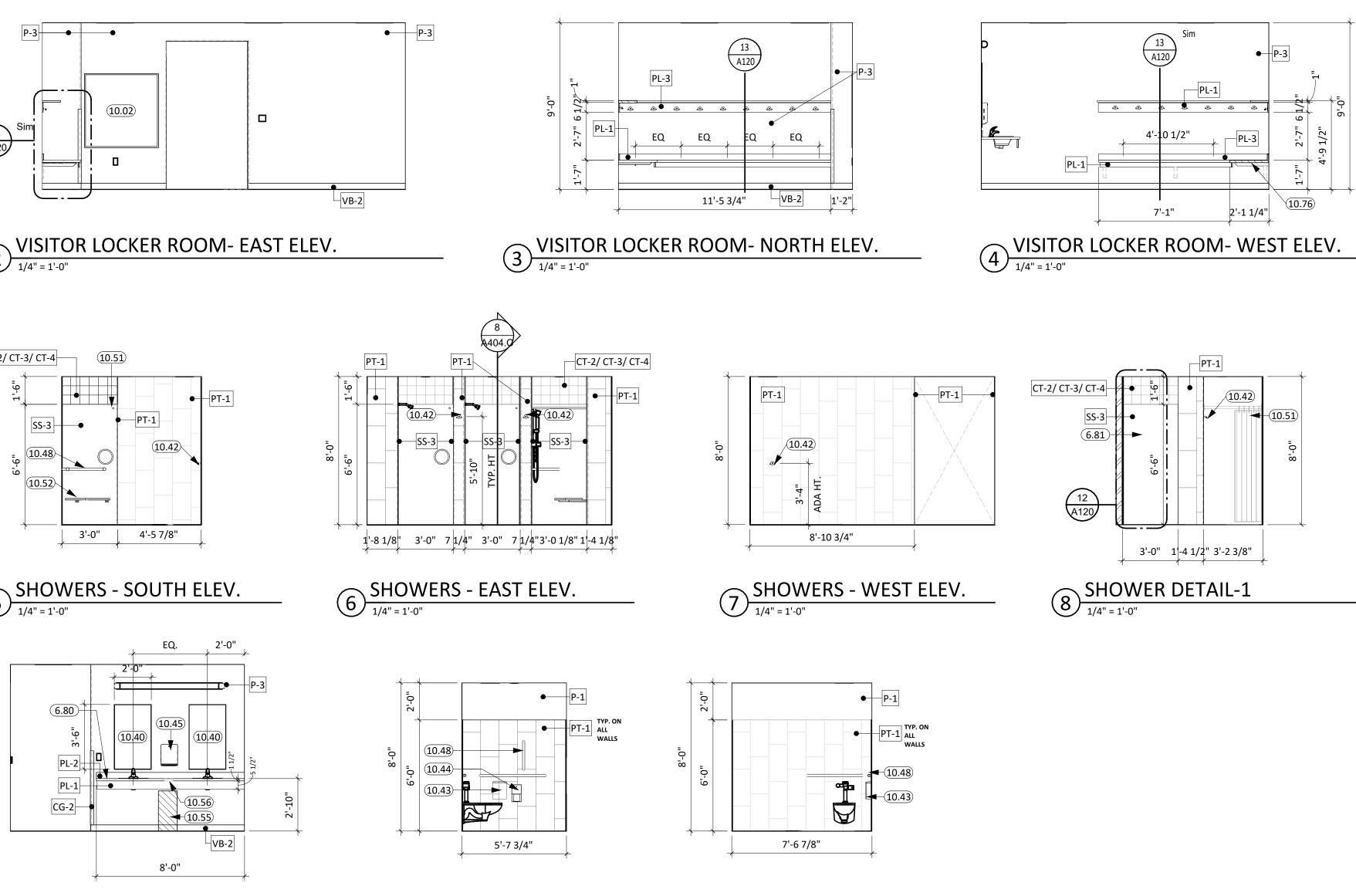












9 VISITOR LOCKER ROOM- SOUTH ELEV.

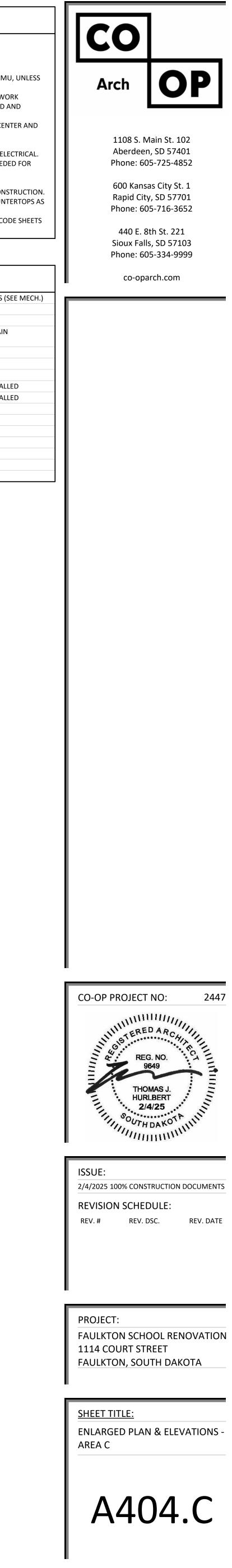
(10) C114 RR - EAST ELEV.

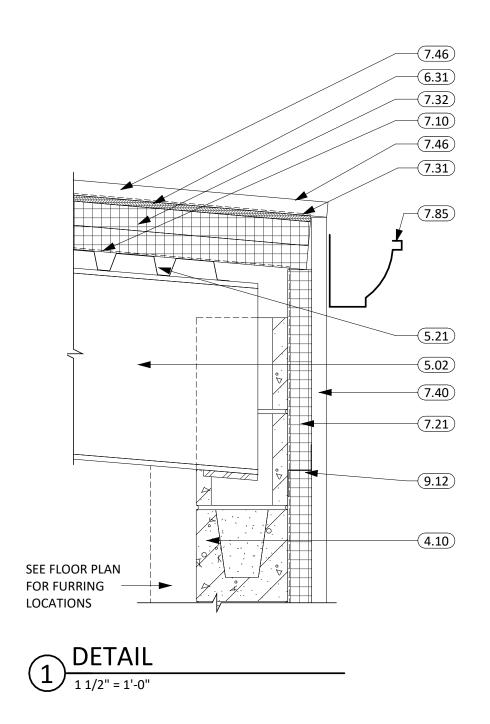
(11) C114 RR - NORTH ELEV.

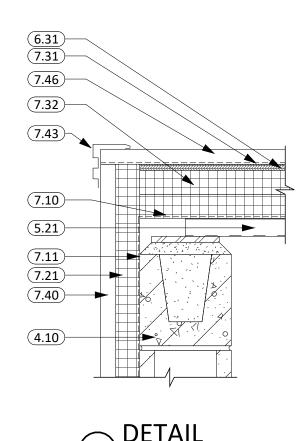
#### **GENERAL NOTES**

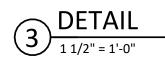
- . SEE SHEET <u>GOOO</u> FOR REQUIRED ADA CLEARANCES & MOUNTING HEIGHTS. FIRE RATED WALLS ARE INDICATED ON THE CODE PLANS.
- ALL WALLS TO EXTEND TO DECK UNLESS OTHERWISE NOTED ON WALL TYPES.
- RESTROOM WALLS ARE SOUND INSULATED AND EXTEND TO THE DECK. ALL INTERIOR DIMENSIONS ARE FROM FACE OF GWB/CMU 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. 0. MILLWORK SUPPLIER SHALL PROVIDE FILLER PANELS AND SCRIBE STRIPS AS NEEDED FOR
- COMPLETE INSTALLATION. 11. PROVIDE FINISHED END PANELS AT EXPOSED MILLWORK SURFACES.
- 12. COORDINATE INSTALLATION OF OWNER PROVIDED EQUIPMENT WITH NEW CONSTRUCTION.
- 13. CAULK PERIMETER OF TUB/SHOWER UNITS, TOILETS, URINALS, SINKS AND COUNTERTOPS AS REQUIRED. 14. PROVIDE 2x BLOCKING AT GRAB BAR AND FUTURE GRAB BAR LOCATIONS. SEE CODE SHEETS
- FOR ADDITIONAL BLOCKING INFORMATION.

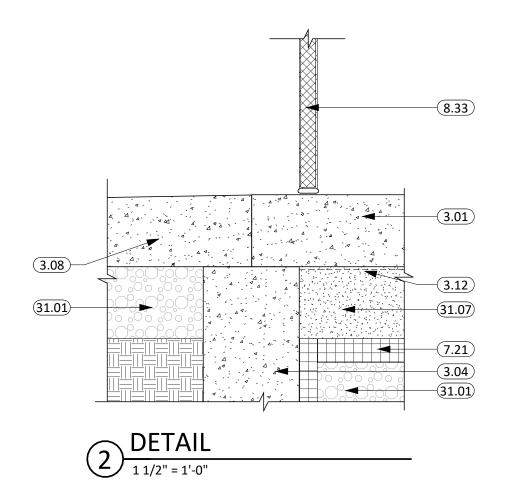
	<b>KEYNOTE SCHEDULE</b>
3.80	CONC. FLOOR TO HAVE 1/4" PER FT. SLOPE MIN. TO FLOOR DRAINS (S
6.80	PLASTIC LAMINATE COUNTERTOP
6.81	SOLID SURFACE
10.02	MARKERBOARD, BASIS OF DESIGN CLARIDGE LCS DELUXE PORCELAIN WHTIEBOARDS
10.40	MIRROR w/SS TRIM, BASIS OF DESIGN BOBRICK B-165
10.42	ROBE HOOK, BASIS OF DESIGN BOBRICK B-677
10.43	SANITARY NAPKIN DISPOSAL
10.44	TOILET TISSUE DISPENSER: OWNER PROVIDED, CONTRACTOR INSTALL
10.45	PAPER TOWEL DISPENSER: OWNER PROVIDED, CONTRACTOR INSTALL
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.)

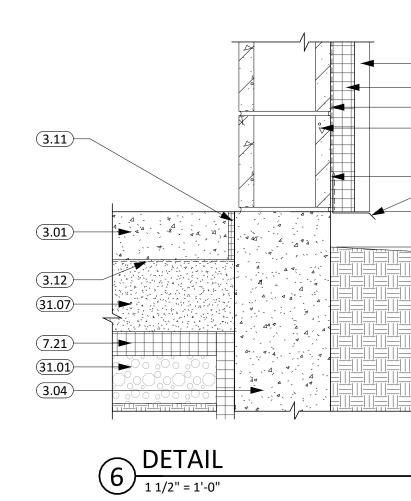


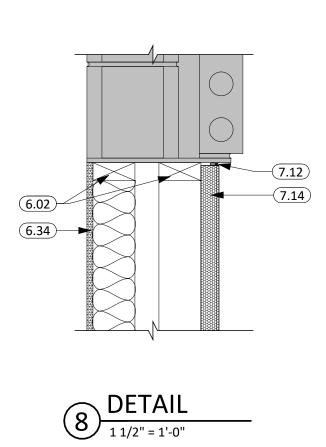


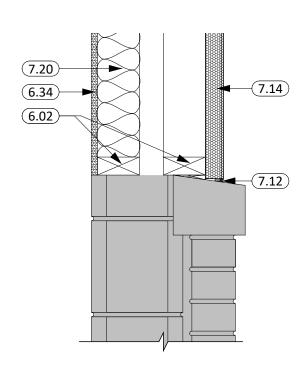




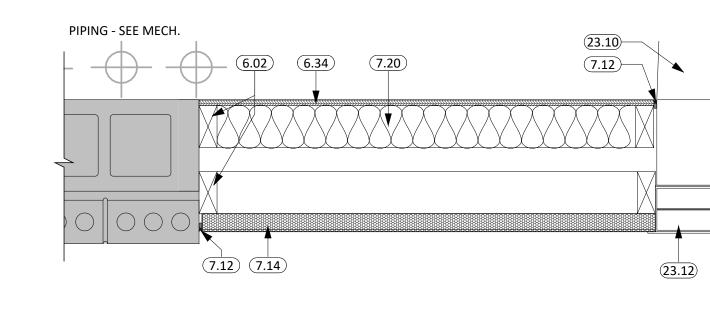


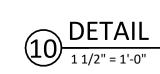


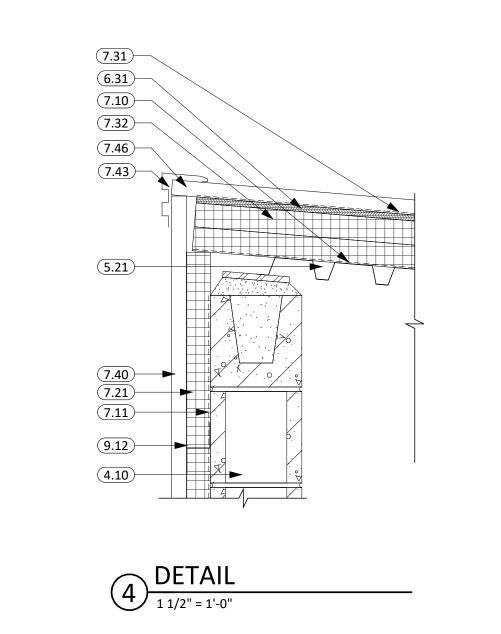


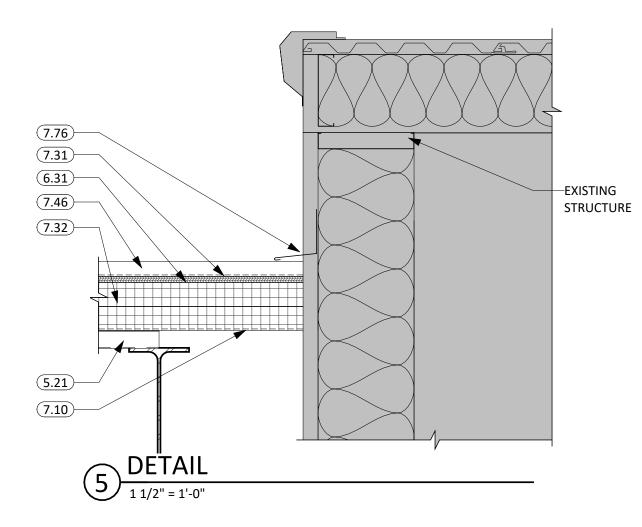


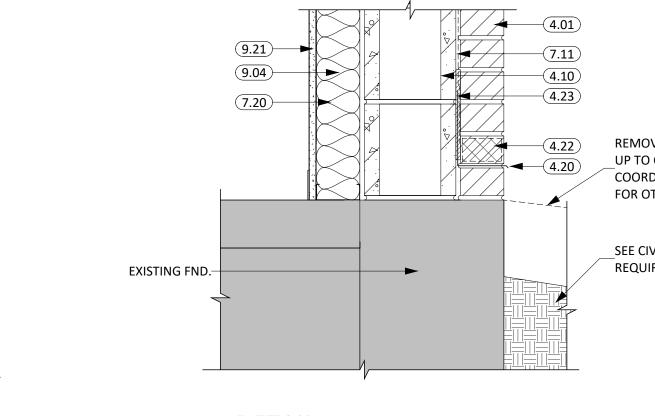
9 DETAIL 1 1/2" = 1'-0"







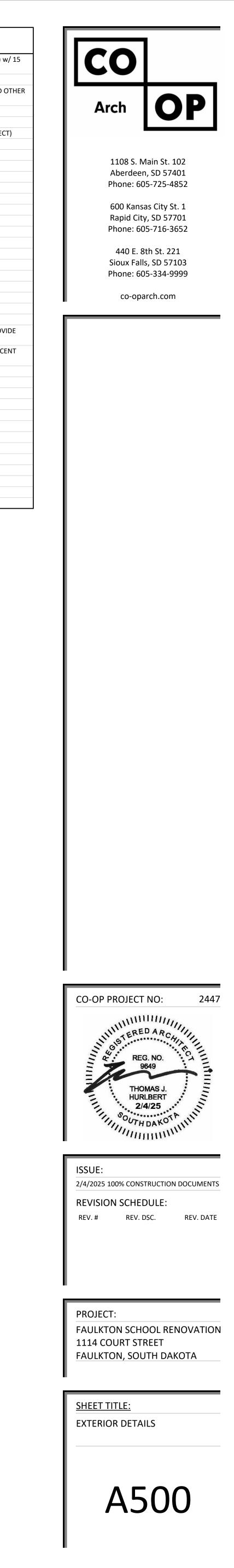


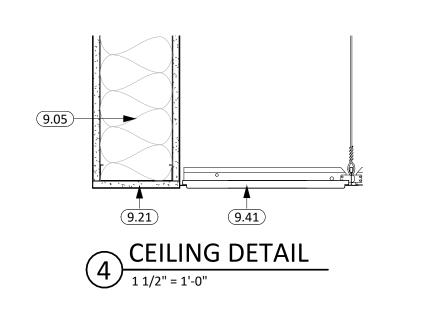


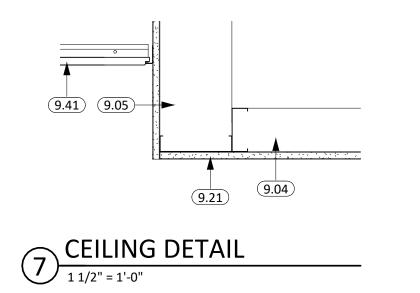
7 DETAIL 1 1/2" = 1'-0" REMOVE CONCRETE APRON UP TO CONCRETE STOOP. COORDINATE WITH STRUCTURAL FOR OTHER REQUIREMENTS.

SEE CIVIL FOR BACKFILL REQUIREMENTS.

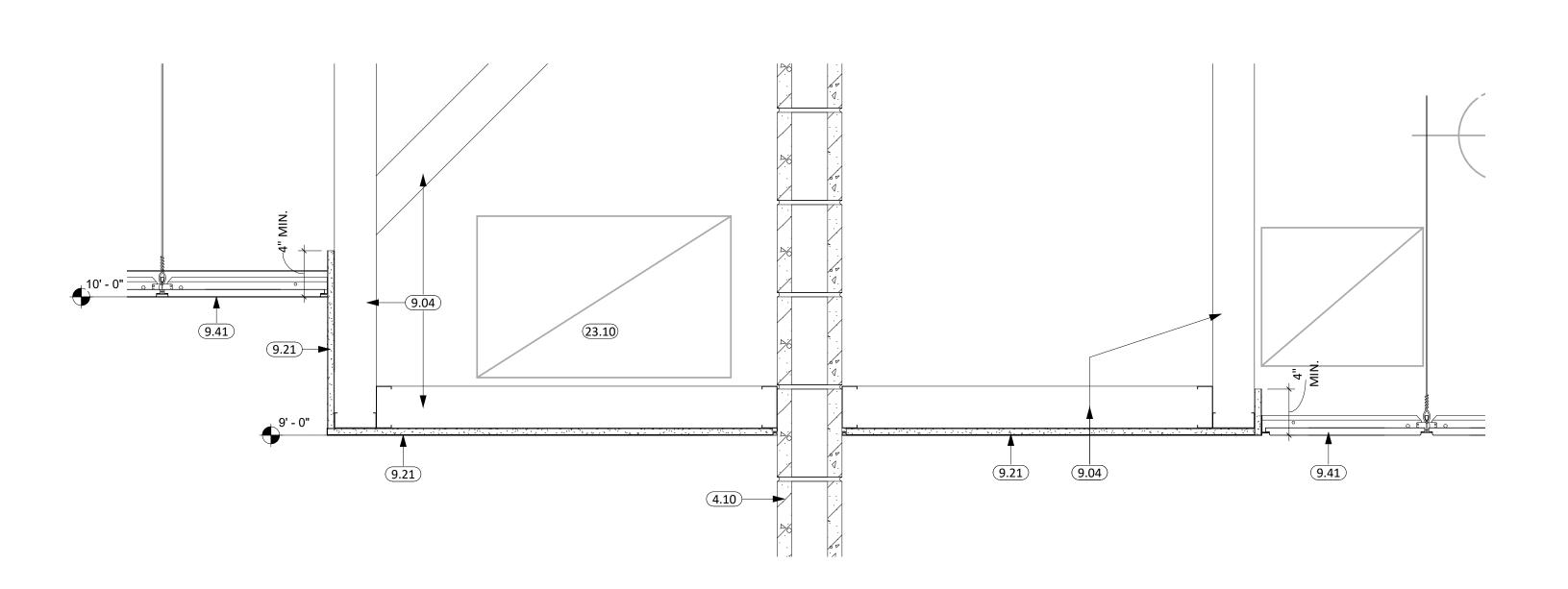
KEYNOTE SCHEDULE						
3.01	CONC. FLOOR SLAB ON GRADE (SEE STRUCT. FOR THICKNESS AND REINF.) w/ MIL. VAPOR BARRIER BELOW					
3.04	CONT. CONC. FOUNDATION WALL (SEE STRUCTURAL PLANS)					
3.08	CONCRETE APRON (SEE CIVIL & STRUCTURAL FOR THICKNESS, REINF. AND OT REQUIREMENTS)					
3.11	1/2" EXPANSION/ISOLATION 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 SHEILD					
7.32	RIGID INSULATION (SEE ROOF TYPES FOR REQUIREMENTS)					
7.40	METAL WALL PANELS MP-1 (MATCH EXISTING PROFILE AND COLOR) (PROVID ALL REQ. TRIM & FLASHING)					
7.43	METAL PANEL CLOSURE (RAKE TRIM OR SIMILAR, MATCH EXISTING/ADJACEN 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-FINSIHED GUTTER (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 STRUC.)					



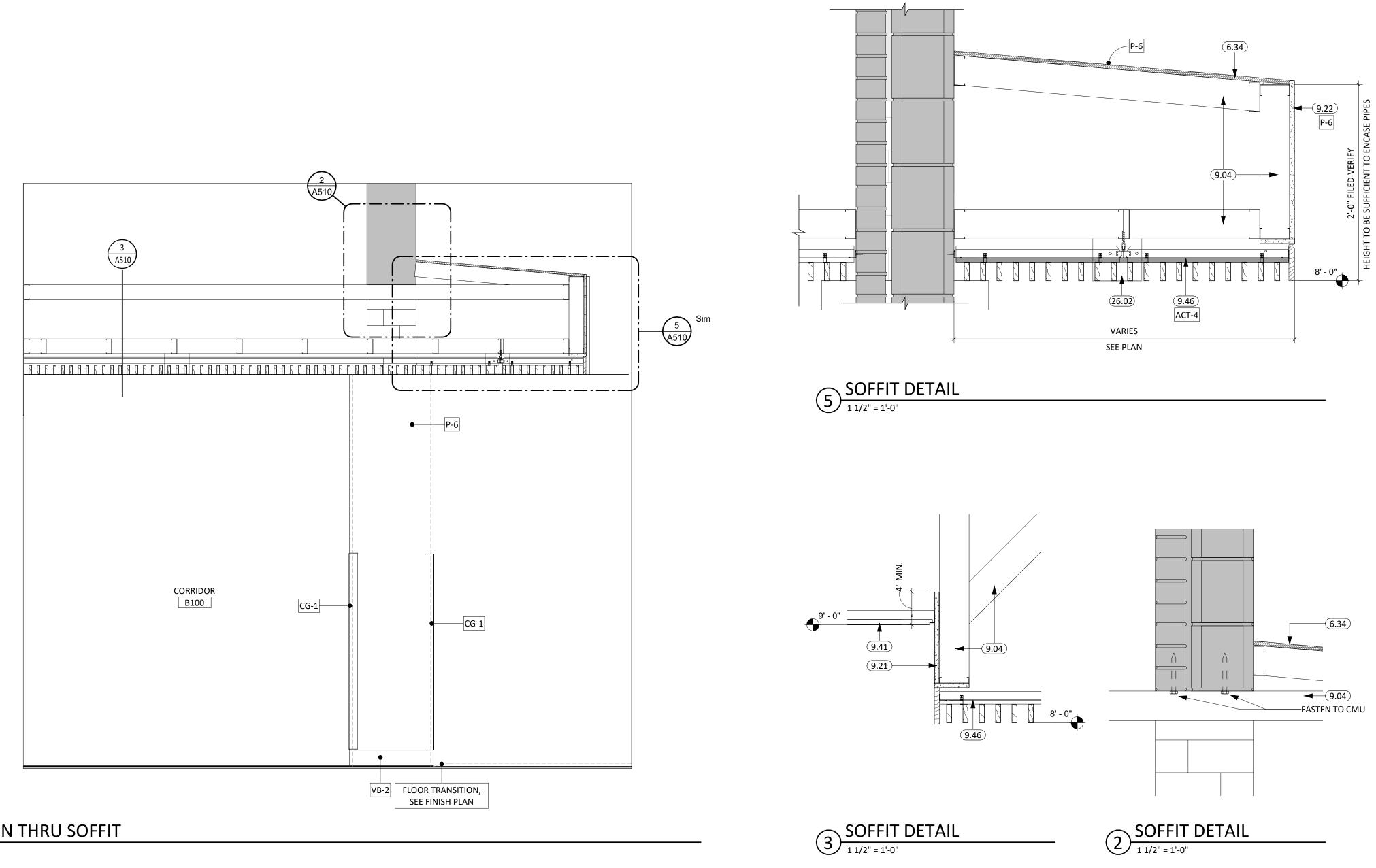


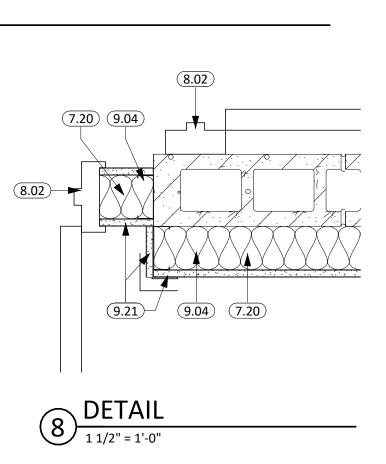


# 1 <u>CEILING DETAIL</u> 1 1/2" = 1'-0"

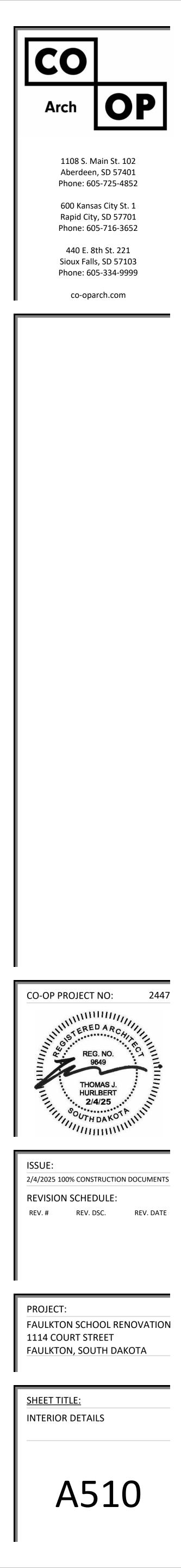


# 6 SECTION THRU SOFFIT

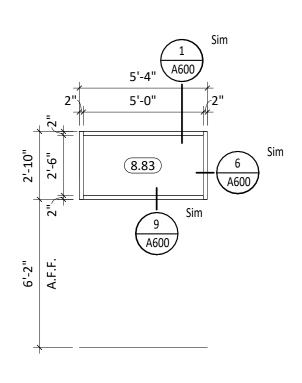




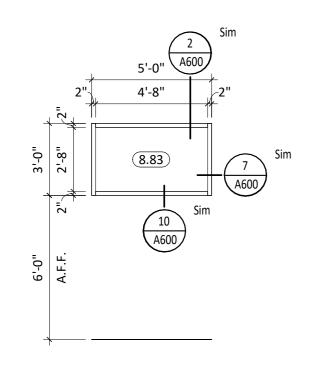
	<b>KEYNOTE SCHEDULE</b>						
4.10	CONCRETE MASONRY UNIT						
6.34	1/2" PLYWOOD						
7.20	BATT INSULATION						
8.02	FRAME (SEE SCHED.)						
9.04	3 5/8" STEEL STUD & TRACK FRAMING						
9.05	6" STEEL STUD & TRACK FRAMING						
9.21	5/8" GYPSUM BOARD						
9.22	5/8" HIGH IMPACT GYPSUM BOARD						
9.41	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). BOD: USG TRUE WOOD GRILLES, VERTICAL SLAT.						
23.10	DUCTWORK (SEE MECH.)						
26.02	RECESS LIGHT FIXTURE (SEE ELEC.)						

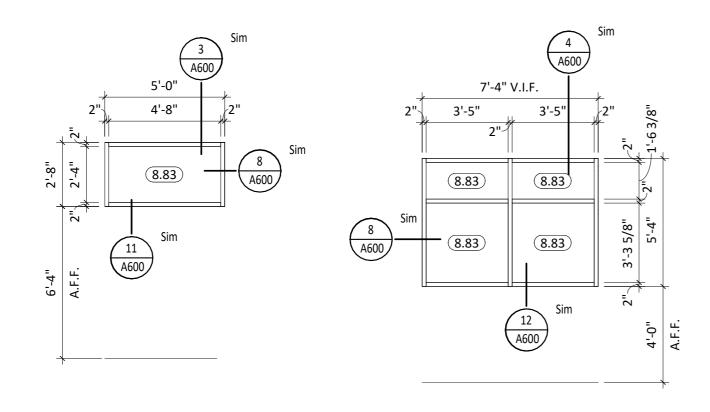


							DOO	R & FRA	ME SCH	EDULE			
			DOOR			FRA	AME		FRAME DETAIL	S			
NO.	W	Н	Т	TYPE	MAT'L	TYPE	MAT'L	HEAD	JAMB	SILL	FIRE	HDWRE	
A100	3' - 0"	7' - 0''	0' - 1 3/4"	G	НМ	3	НМ	24/A601	25/A601	15/A601		23	INSULATED
A101	3' - 0"	7' - 0"	0' - 1 3/4"	G	НМ	3	НМ	11/A601 SIM	12/A601 SIM	10/A601		24	
A102	3' - 0"	7' - 0''	0' - 1 3/4"	F	НМ	1	НМ	9/A601	9/A601	10/A601	90 MIN.	12	APPLY FRP-1 T
A102A	3' - 0"	7' - 0"	0' - 1 3/4"	F	НМ	1	НМ	9/A601	9/A601	10/A601	90 MIN.	25	
A103	6' - 0"	7' - 0"	0' - 1 3/4"	NV	НМ	1	НМ	1/A601	1/A601	10/A601	45 MIN.	27	
A103C	6' - 0"	7' - 0"	0' - 1 3/4"	NV	НМ	2	HM	5/A601	5/A601	10/A601	90 MIN.	28	
A104	3' - 0"	7' - 0"	0' - 1 3/4"	NV	НМ	1	HM	1/A601	1/A601	10/A601	45 MIN.	09	
A110	3' - 0"	7' - 0"	0' - 1 3/4"	EX	EX	EX	EX	-	-	-		31	
A111	3' - 0"	7' - 0"	0' - 1 3/4"	F	НМ	2	HM	5/A601	5/A601	10/A601	90 MIN.	14	
A112	6' - 0"	7' - 0''	0' - 1 3/4"	NV	НМ	1	НМ	1/A601	6/A601 SIM	10/A601	45 MIN.	15	
A112A	3' - 0"	7' - 0''	0' - 1 3/4"	F	НМ	1	НМ	1/A601	1/A601	10/A601	45 MIN.	11	
A113	3' - 0"	7' - 0''	0' - 1 3/4"	NV	НМ	1	НМ	1/A601	6/A601 SIM	10/A601		10	
A114	3' - 0"	7' - 0''	0' - 1 3/4"	NV	НМ	1	НМ	1/A601	6/A601 SIM	10/A601		10	
A115	8' - 6"	7' - 0"	0' - 1 3/4"	F	НМ	3	НМ	11/A601	12/A601			01	INSULATED
A116	6' - 0"	7' - 0"	0' - 1 3/4"	NV	НМ	1	НМ	6/A601	6/A601	10/A601		33	
A121	5' - 4"	9' - 0"	0' - 1 1/2"	OHS2	STL	OHS2	STL	16/A601	18/A601	20/A601		-	BASE BID = OF
A121A	5' - 0"	7' - 0"	0' - 1 3/4"	NV	HM	1	HM	11/A601 SIM	12/A601 SIM			32	ALTERNATE #1
A122	16' - 0"	12' - 0"	0' - 1 1/2"	OHS1	STL	OHS1	STL	17/A601	19/A601	2/A500		29	ALTERNATE #1
A123	3' - 0"	7' - 0"	0' - 1 3/4"	F	HM	3	HM	3/A601	8/A601	15/A601		17	ALTERNATE #1
A124	5' - 4"	9' - 0"	0' - 1 1/2"	OHS2	STL	OHS2	STL	16/A601	18/A601	20/A601		-	BASE BID = OF
A124A	5' - 0"	7' - 0"	0' - 1 3/4"	NV	HM	1	HM	11/A601 SIM	12/A601 SIM	20//1001		32	ALTERNATE #1
A125	6' - 0"	7' - 0"	0' - 1 3/4"	F	HM	3	НМ	3/A601	8/A601	15/A601		02	ALTERNATE #1
B101	3' - 0"	7' - 0"	0' - 1 3/4"	EX	EX	EX	EX	-	-	-		16	PAINT DOOR A
B101A	6' - 0"	7' - 0"	0' - 1 3/4"	F	HM	3	НМ	27/A601 SIM	26/A601	10/A601		18	REPLACE EXIST
B102	3' - 6"	7' - 0"	0' - 1 3/4"	F	WD	4	HM	2/A601	7/A601	10/A601	20 MIN.	22	
B102	5' - 0"	7' - 0"	0' - 1 3/4"	G	HM	3	НМ	27/A601	777001	10/A601	90 MIN.	19	REPLACE EXIST
B103	3' - 0"	7' - 0"	0' - 1 3/4"	NV	WD	1	НМ	1/A601	1/A601	10/A601	50 101111.	07	
B105	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	5	НМ	2/A601	7/A601	10/A601	20 MIN.	20	
B105	3' - 0"	7' - 0"	0' - 1 3/4"	NV	WD	1	НМ	1/A601	1/A601	10/A601	20 101111	03	
B108	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	1	НМ	1/A601	8/A510	10/A601		06	
B110	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	3	НМ	2/A601	7/A601	10/A601	20 MIN.	11	
B118	3' - 0"	7' - 0"	0' - 1 3/4"	F	HM	3	HM	2/A601	7/A601 SIM	10/A601	20 MIN.	11	REPLACE EXIST
B110 B120	3' - 0"	7'-0"	0'-13/4"	EX	EX	EX	EX	2/2001 5/101	778001 51101	10/2001	20 101111.	30	INEF LACE LAIS
B120 B122	3'-0"	7'-0"	0'-13/4"	F	HM	3	HM	2/A601 SIM	7/A601 SIM	- 10/A601	20 MIN.	13	REPLACE EXIST
C100	6' - 0"	7'-0"	0'-13/4"	NV	HM	3	HM	4/A601	26/A601	15/A601 SIM	20 101111.	26	REPLACE EXIS
C100	6' - 0"	7'-0"	0'-13/4"	NV	WD	3	HM	2/A601	7/A601	10/A601		34	
C101 C102	6' - 0"	7'-0"	0'-13/4	NV	HM		HM	4/A601	26/A601	10/A601	90 MIN.	21	
	3' - 0"	7 - 0"				2		-			90 MIN.		
C104		7 - 0	0' - 1 3/4"	F	WD	5	HM	1/A601	1/A601	10/A601		04	
C106	3' - 0"		0' - 1 3/4"	F	WD	5	HM	1/A601	1/A601	10/A601		04	
C108	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	5	HM	1/A601	1/A601	10/A601		04	
C110	3' - 0"	7' - 0"	0' - 1 3/4"	EX	EX	EX	EX	-	-	-		30	
C111	2' - 8"	7' - 0"	0' - 1 3/4"	EX	EX	EX 1	EX	-	-	-		30	
C114	3' - 0"	7' - 0"	0' - 1 3/4"	F	HM	1	HM	1/A601	1/A601	10/A601	00 1411	05	
C116	3' - 0"	7' - 0"	0' - 1 3/4"	NV	WD	3	HM	2/A601 SIM	7/A601 SIM	10/A601	90 MIN.	09	REPLACE EXIST
C117	3' - 0"	7' - 0"	0' - 1 3/4"	NV	WD	3	HM	2/A601 SIM	7/A601 SIM	10/A601		04	REPLACE EXIST
C118	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	1	HM	1/A601 SIM	1/A601 SIM	10/A601		12	REPLACE EXIST
C119	3' - 0"	7' - 0"	0' - 1 3/4"	F	WD	1	HM	1/A601 SIM	1/A601 SIM	10/A601		12	REPLACE EXIS
C120	3' - 0"	7' - 0"	0' - 1 3/4"	NV	WD	1	HM	2/A601 SIM	7/A601 SIM	10/A601	90 MIN.	08	INSTALL IN EX
Z100	6' - 0"	7' - 0"	0' - 1 3/4"	FG	ALUM	F	ALUM			15/A600			ALTERNATE #3
Z101	6' - 0"	7' - 0"	0' - 1 3/4"	FG	ALUM	F	ALUM			15/A600			ALTERNATE #3



STOREFRONT FRAME - A1 1/4" = 1'-0"



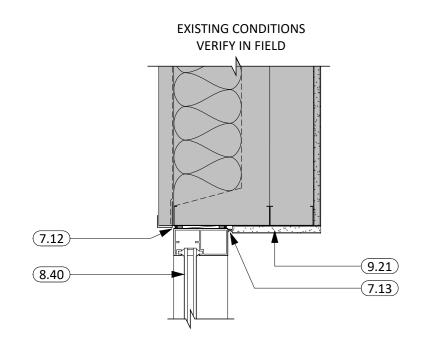


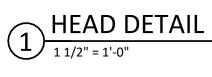
## STOREFRONT FRAME - A2 (ALT #1) 1/4" = 1'-0"

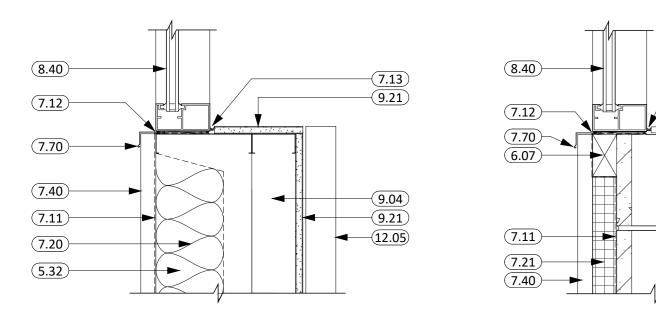
STOREFRONT FRAME - B 1/4" = 1'-0"

EXISTING CONDITIONS

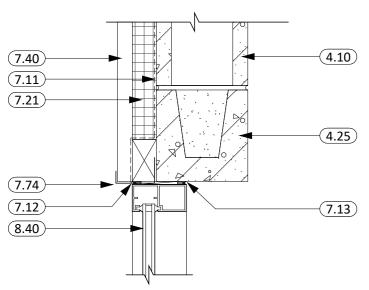
VERIFY IN FIELD







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



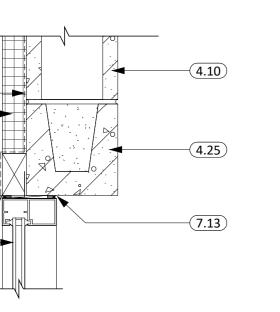
2 HEAD DETAIL 1 1/2" = 1'-0"

8.40

6.07

7.70

10 SILL DETAIL

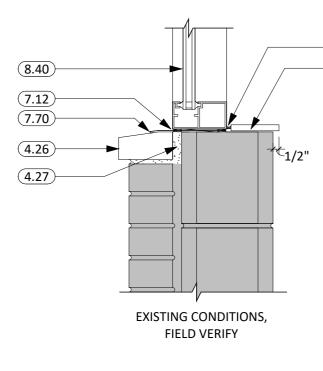


-(7.12) -(6.84)

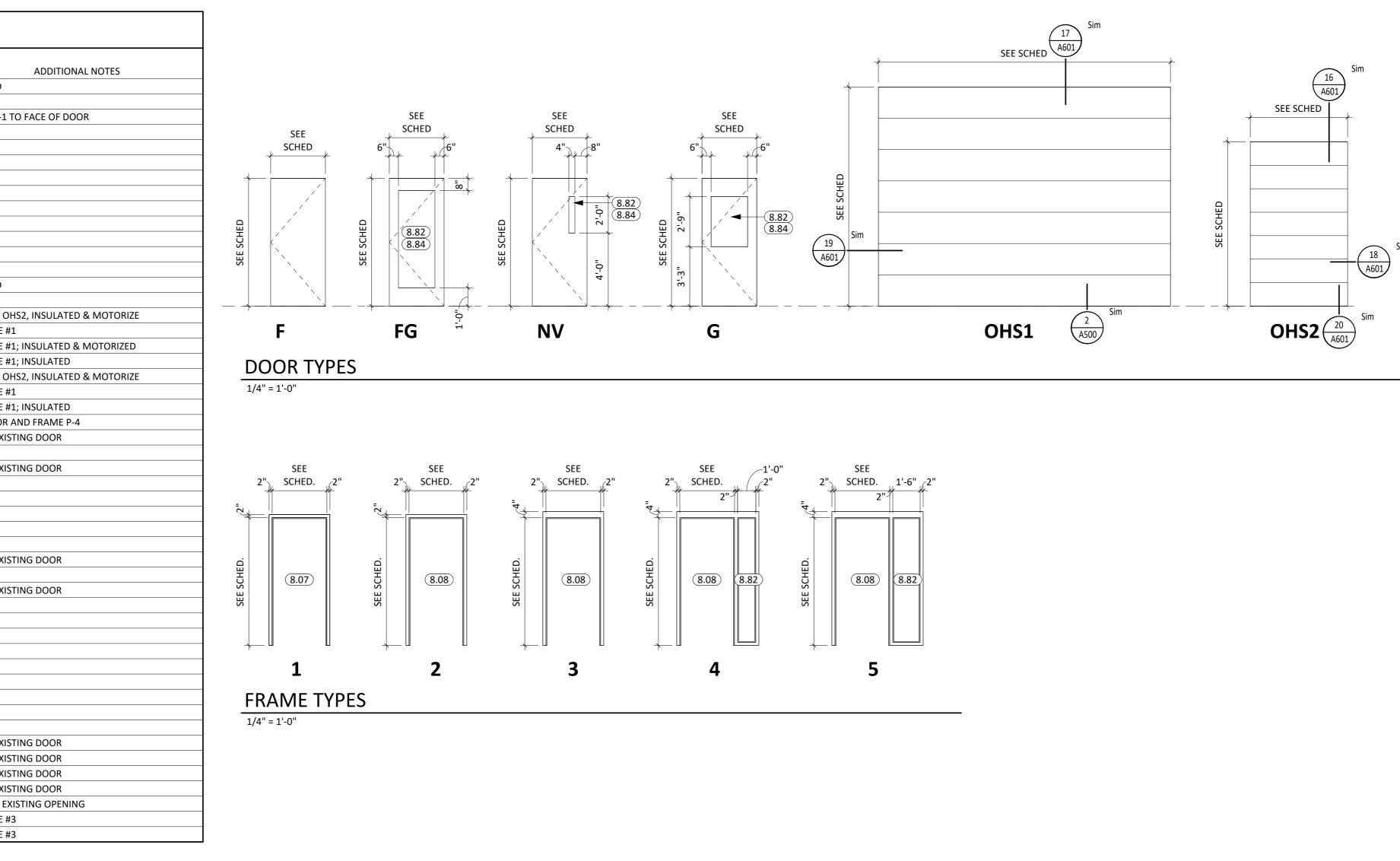
(4.10

(7.72)-(7.12)-8.40

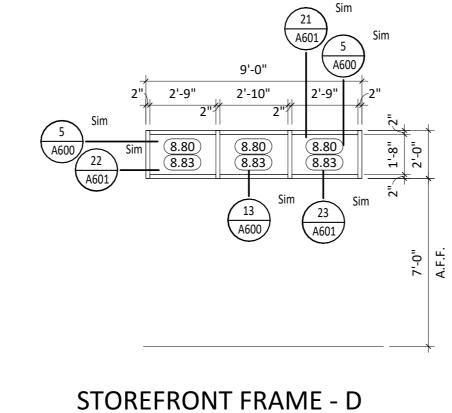
3 HEAD DETAIL 1 1/2" = 1'-0"

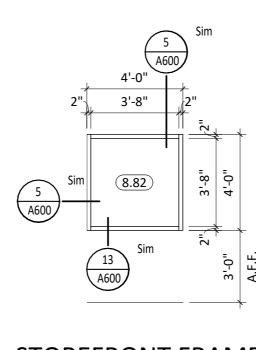


(11) SILL DETAIL 1 1/2" = 1'-0"



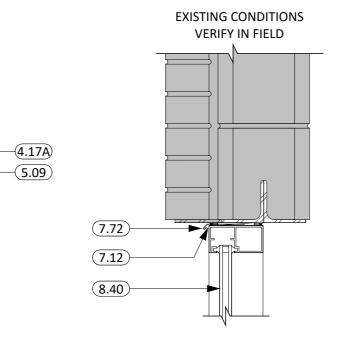
#### STOREFRONT FRAME - C 1/4" = 1'-0"



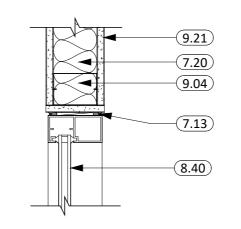




EXISTING CONDITIONS VERIFY IN FIELD







-(8.40)

-(7.13)

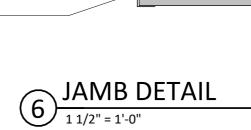
-(9.21)

-(7.20

<◄∄

# 5 HEAD/JAMB DETAIL

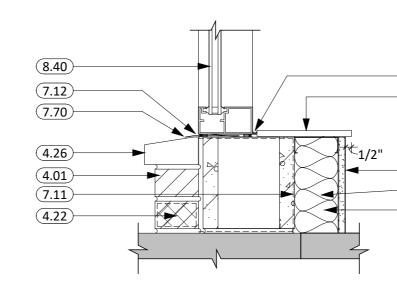
1/4" = 1'-0"

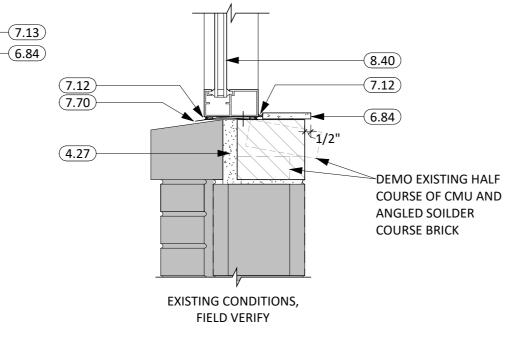


9.21

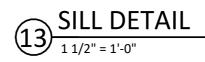
(7.13)

(8.40)





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



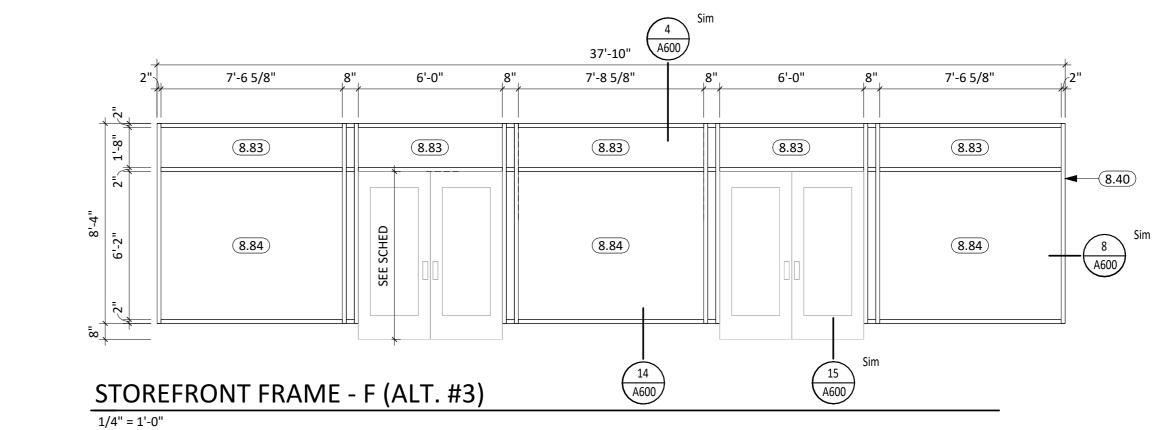
**SILL DETAIL** 1 1/2" = 1'-0"

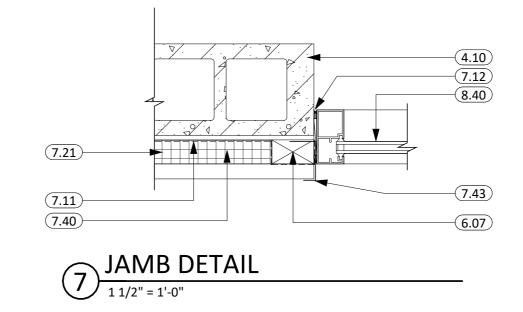
## **GENERAL NOTES**

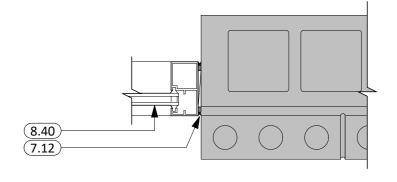
- ALL HM FRAMES IN STUD PARTITIONS SHALL BE WRAPPED AROUND BOTH SIDES OF PARTITION UNLESS OTHERWISE NOTED. SEE FLOOR PLAN(S) FOR WALL THICKNESS. ALL EXTERIOR FRAMES & DOORS ARE TO BE THERMALLY BROKEN.
- CAULK ENTIRE PERIMTER OF H.M. FRAMES (BOTH SIDES).
- PAINT H.M. FRAMES PER FINISH LEGEND (P-4). FRAME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

## **KEYNOTE SCHEDULE**

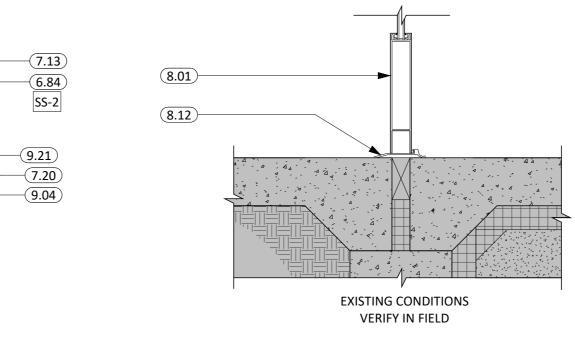
4.01	BRICK VENEER (COLOR TO MATCH EXISTING, COORDINATE WITH ARCHITECT
4.10	CONCRETE MASONRY UNIT
4.17A	CMU SOAP BLOCK
4.22	WEEP VENTS
4.25	MASONRY LINTEL (SEE STRUCTURAL)
4.26	PRECAST MASONRY SILL PROFILE, MATCH EXISTING
4.27	GROUT AND PATCH SILL AREAS
5.09	STRUCTURAL STEEL LINTLE - PAINT EXPOSED STEEL (SEE STRUCT.)
5.32	8" STRUCTURAL STEEL STUD & TRACK FRAMING (SEE ARCH. & STRUCT.)
6.07	2x WOOD BLOCKING
6.84	SOLID SURFACE WINDOW SILL (1/2")
7.11	AIR & MOISTURE WEATHER BARRIER
7.12	SEALANT (PROVIDE BACKER ROD WHERE REQ.)
7.13	SEALANT AROUND PEREMETER (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) (PROVID ALL REQ. TRIM & FLASHING)
7.43	METAL PANEL CLOSURE (RAKE TRIM OR SIMILAR, MATCH EXISTING/ADJACE STRUCTURE)
7.70	PRE-FINISHED SHEET METAL FLASHING
7.72	PRE-FINISHED METAL DRIP EDGE
7.74	J-CHANNEL TRIM TO MATCH METAL PANEL
8.01	DOOR (SEE SCHED.)
8.07	HOLLOW METAL FRAME - WRAP AROUND
8.08	HOLLOW METAL FRAME - INSET
8.12	THRESHOLD
8.40	ALUMINUM FRAMED ENTRANCE/STOREFRONT
8.80	¼" FLOAT GLASS
8.82	¼" TEMPERED GLASS
8.83	1" INSULATED GLASS
8.84	1" INSULATED TEMPERED GLASS
9.04	3 5/8" STEEL STUD & TRACK FRAMING
9.21	5/8" GYPSUM BOARD
12.05	EXISTING OR NEW WRESTLING WALL MATS, PROVIDED BY SCHOOL



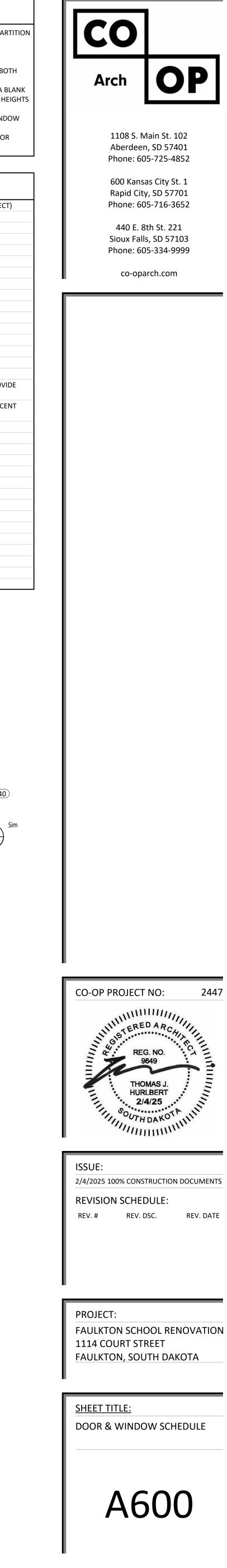


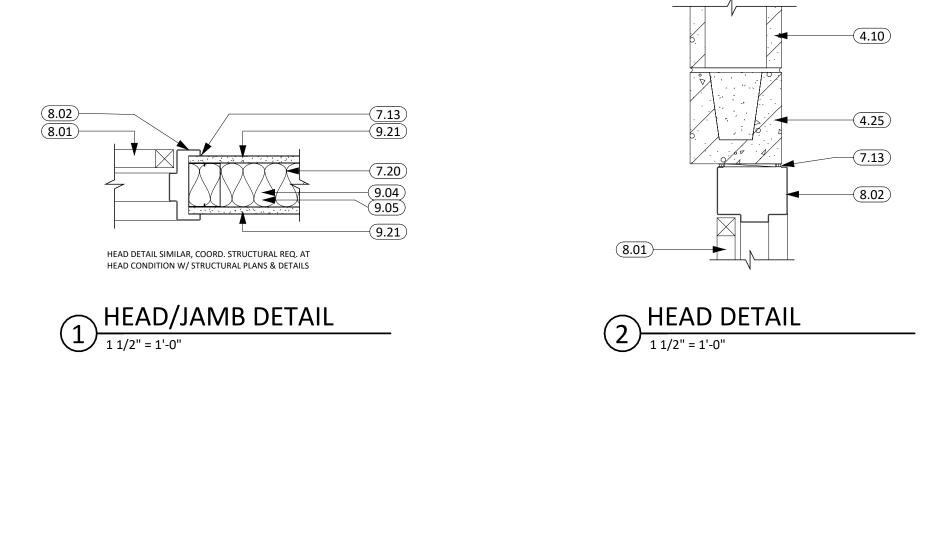


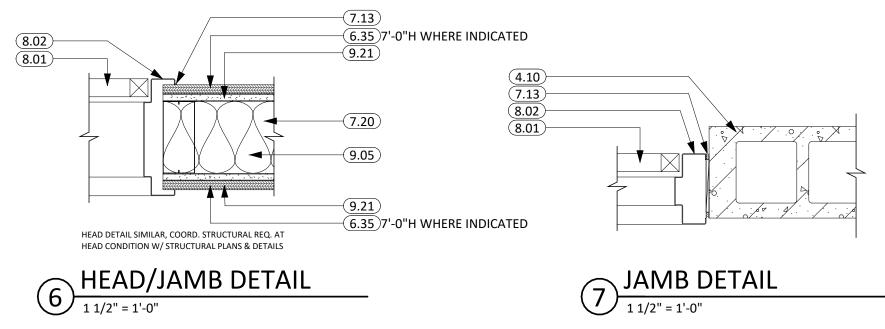
8 JAMB DETAIL 1 1/2" = 1'-0"

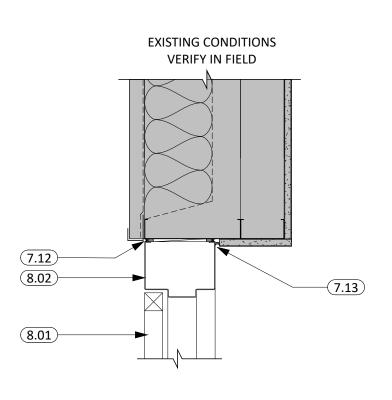


15 SILL DETAIL

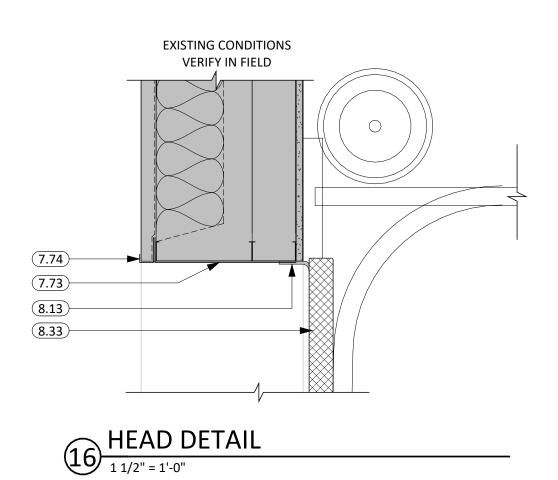


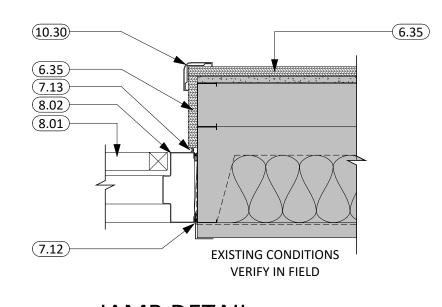




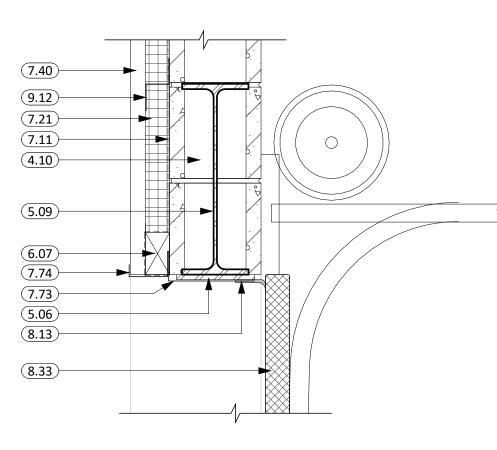


HEAD DETAIL 1 1/2" = 1'-0"

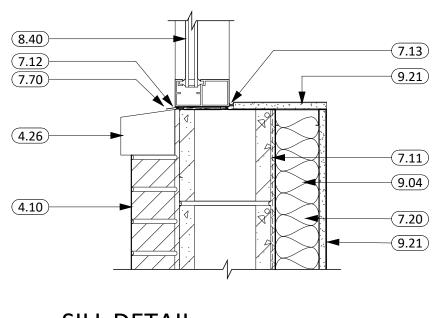




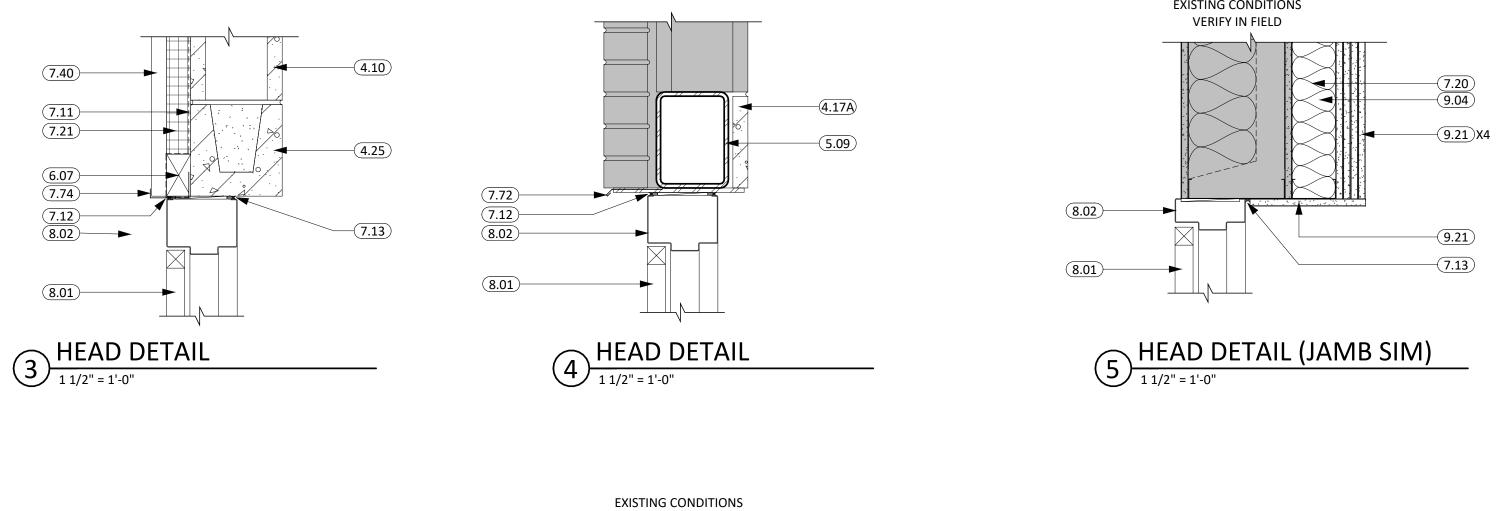
12 JAMB DETAIL

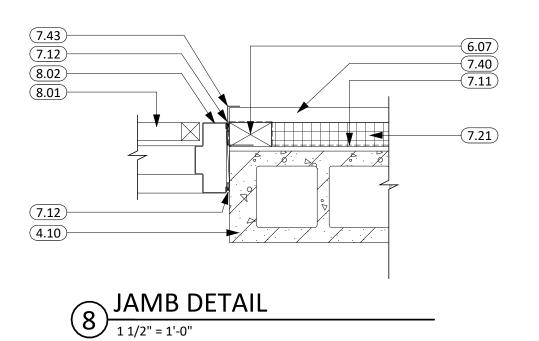


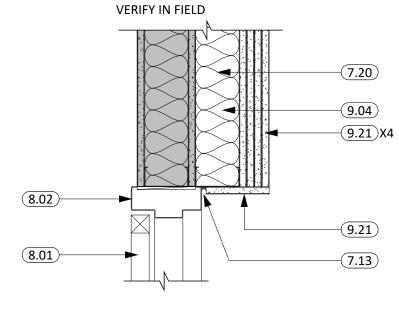
(17) HEAD DETAIL 11/2" = 1'-0"



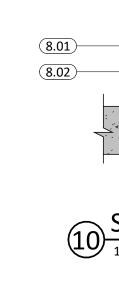
9.21 8.40 7.12 EXISTING CONDITIONS VERIFY IN FIELD

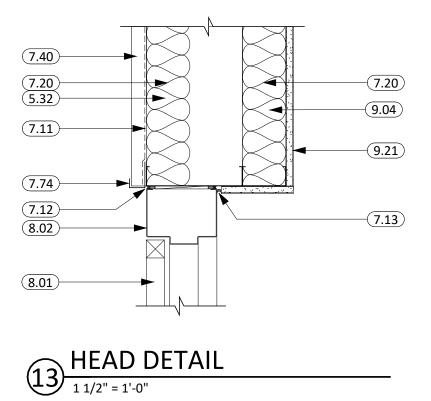




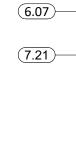


9 HEAD DETAIL (JAMB SIM)





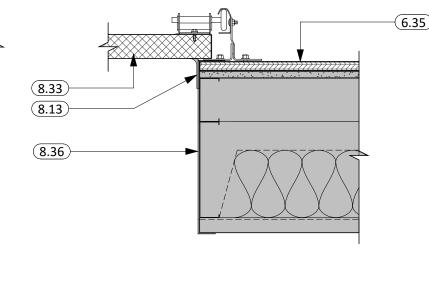
-(6.35) EXISTING CONDITIONS VERIFY IN FIELD 14 JAMB DETAIL

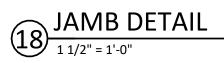


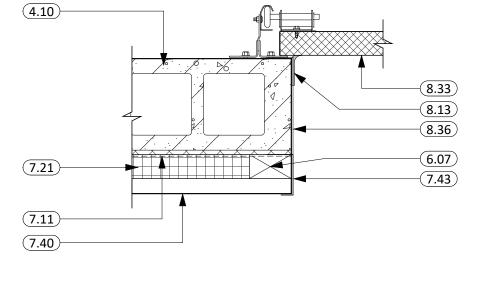
8.12

(3.06)

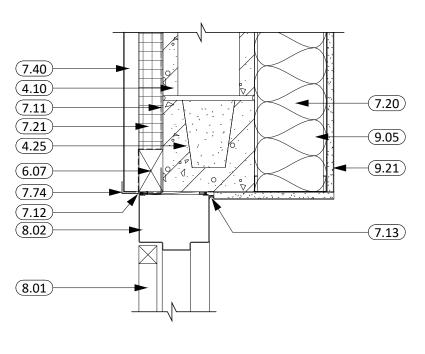
(3.0

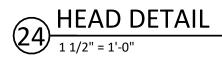


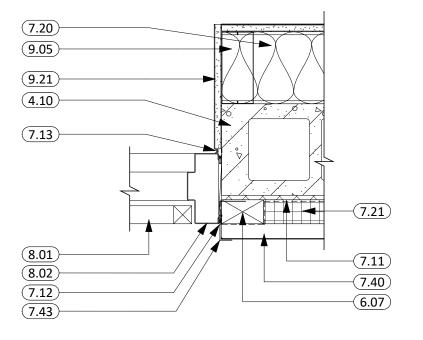




19 JAMB DETAIL



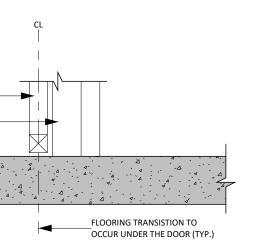




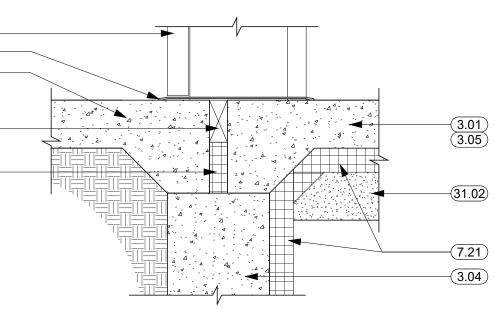
25 JAMB DETAIL



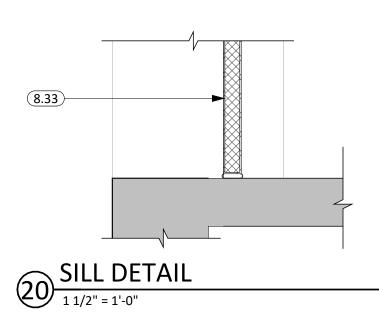


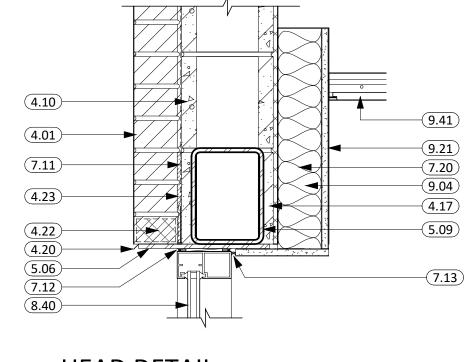


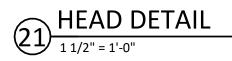
# 10 SILL DETAIL - TYP. INTERIOR

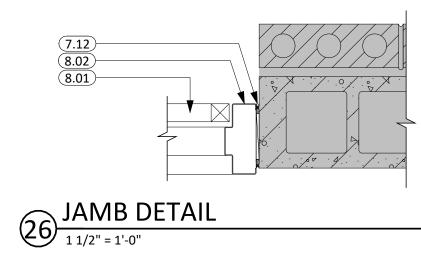


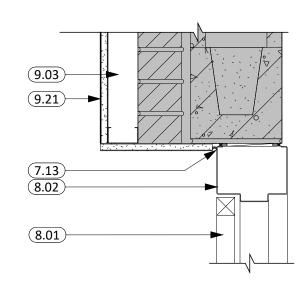
# 15 SILL DETAIL 1 1/2" = 1'-0"











# (27) HEAD DETAIL 1 1/2" = 1'-0"

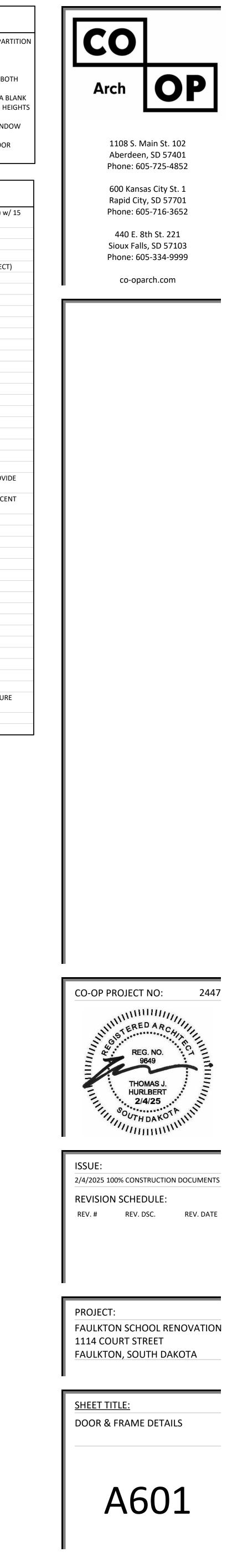
## **GENERAL NOTES**

1.	ALL HM FRAMES IN STUD PARTITIONS SHALL BE WRAPPED AROUND BOTH SIDES OF PAR
	UNLESS OTHERWISE NOTED. SEE FLOOR PLAN(S) FOR WALL THICKNESS.
2.	ALL EXTERIOR FRAMES & DOORS ARE TO BE THERMALLY BROKEN.
3.	CAULK ENTIRE PERIMTER OF H.M. FRAMES (BOTH SIDES).
4.	PAINT H.M. FRAMES PER FINISH LEGEND (P-4). FRAME TO BE PAINTED THE SAME ON BO
	SIDES. SEE FINISH LEGEND FOR PAINT SPECIFICATIONS.
5.	PROVIDE ROOM SIGNAGE AT ALL DOORS. WHERE MOUNTED TO GLAZING, PROVIDE A B

- BACK PLATE ON OPPOSIZE SIDE OF GLAZING. SEE CODE STANDARDS FOR MOUNTING HEIGHTS AND LOCATIONS. SEE SPECIFICATIONS FOR SPECIAL SIGNAGE REQUIREMENTS.
- REFER TO WALL TYPES FOR WALL CONSTRUCTION ELEMENTS FOR ALL DOOR AND WINDOW DETAILS. COORDINATE ALL STRUCTURAL REQ. WITH STRUCTURAL DRAWINGS.
- 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/
	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"
4.17A	CMU SOAP BLOCK
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 LINTLE - 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 PEREMETER (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) (PROVID ALL REQ. TRIM & FLASHING)
7.43	METAL PANEL CLOSURE (RAKE TRIM OR SIMILAR, MATCH EXISTING/ADJACEN 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
9.03	3 5/8" STEEL STUD & TRACK FRAMING
9.05	6" STEEL STUD & TRACK FRAMING
9.12	
9.21	5/8" GYPSUM BOARD
9.41	ACOUSTICAL TILE CEILINGS SYSTEM (COORD. w/ MECH. & ELEC. FOR FIXTURE REQ./LOCATIONS)
10.30	CORNER GUARDS
31.02	DRAINAGE FILL (COORD. REQ. w/ SOILS REPORT)



#### GENERAL CONSTRUCTION NOTES:

- 1. THE INTENT OF THESE PLANS AND NOTES IS TO PRESENT THE PROJECT REQUIREMENTS FOR THE FAULKTON SCHOOL RENOVATIONS 1.0 PROJECT IN FAULKTON, SD.
- 2. THESE STRUCTURAL DRAWINGS ARE INTENDED TO BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS. SOME DIMENSIONS, SECTIONS, AND FRAMING DETAILS MAY BE SHOWN ON THE ARCHITECTURAL DRAWINGS.
- 3. DURING CONSTRUCTION, THE CONTRACTOR MAY ENCOUNTER EXISTING CONDITIONS THAT ARE UNKNOWN OR THAT DIFFER THAN AS DEPICTED IN THESE DRAWINGS. SUCH EXISTING CONDITIONS MAY INTERFERE WITH THE NEW CONSTRUCTION OR REQUIRE PROTECTION DURING CONSTRUCTION.
- 4. CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER OF ALL ENCOUNTERED EXISTING CONDITIONS THAT INTERFERE WITH THE PROPER EXECUTION OF NEW WORK OR COMPROMISE THE STRUCTURAL INTEGRITY OF THE EXISTING STRUCTURE.
- 5. ALL WORK SHALL COMPLY WITH THE 2021 INTERNATIONAL BUILDING CODE, AS APPROVED BY THE STATE OF SOUTH DAKOTA/ CITY OF FAULKTON.
- 6. REFERENCE STANDARDS: UNLESS OTHERWISE NOTED, ALL STANDARDS SHALL BE CURRENT EDITION, WITH LATEST ADDENDA, IF APPLICABLE.
- 7. THE CONTRACTOR SHALL VERIFY ALL CONTRACT DOCUMENTS, SITE ELEVATIONS, DIMENSIONS AND CONDITIONS PRIOR TO STARTING WORK AND SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR INCONSISTENCIES.
- 8. SPECIFIC NOTES AND DETAILS SHALL TAKE PRECEDENCE OVER GENERAL NOTES.
- 9. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE INDICATED, THEY DO NOT INDICATE THE MEANS, METHODS, TIMING, OR PROCEDURES USED TO COMPLETE THE CONSTRUCTION. TEMPORARY BRACING, SHORING, OR PROTECTION OF THE STRUCTURE AGAINST WIND, ERECTION AND OTHER SITE CONDITIONS DURING CONSTRUCTION OF THE BUILDING SHALL BE THE RESPONSIBILITY OF CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PROTECTION OF THE STRUCTURE DURING ALL PHASES OF DEMOLITION CONSTRUCTION, AND INSTALLATION.
- 10. NO AREA OF THE STRUCTURE SHALL BE LOADED WITH CONSTRUCTION MATERIALS OR EQUIPMENT THAT EXCEEDS FINAL DESIGN CRITERIA.
- 11. SEE MECHANICAL, ELECTRICAL, AND ARCHITECTURAL DRAWINGS FOR ALL OPENINGS AND INSERTS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
- 12. VERIFY LOCATION OF BOX OUTS AND OPENINGS WITH MECHANICAL AND ELECTRICAL CONTRACTORS. OPENING SIZES AND LOCATIONS SHOWN FOR PIPES, DUCTS, ETC ARE FOR GENERAL INFORMATION ONLY AND SHALL BE VERIFIED WITH THE MECHANICAL CONTRACTOR BEFORE COMMENCING THE WORK.
- 13. VERIFY SIZE, NUMBER, AND LOCATION OF ALL MECHANICAL AND ELECTRICAL EQUIPMENT. IF EQUIPMENT SIZES, WEIGHTS, OR LOCATIONS DO NOT COINCIDE WITH EQUIPMENT SHOWN ON PLANS, COORDINATE ADJUSTMENTS WITH THE STRUCTURAL ENGINEER.
- 14. HOLES, PIPES, SLEEVES, ETC NOT SHOWN ON THE DRAWINGS MUST BE APPROVED BY THE STRUCTURAL ENGINEER BEFORE PLACEMENT THROUGH STRUCTURAL MEMBERS.
- 15. CONTRACTOR SHALL PROVIDE A CAST-IN SLEEVE FOR ALL HORIZONTAL ELEMENTS THAT EXTEND THROUGH FOOTING. IE: DRAIN TILE, ELECTRICAL CONDUIT, MECHANICAL PIPING, ETC. ALL SLEEVES SHALL BE COORDINATED WITH ARCHITECT/ENGINEER.
- 16. SHOP DRAWINGS PREPARED BY SUPPLIERS, SUB CONTRACTORS, ETC, SHALL BE DIMENSIONED, REVIEWED, COORDINATED, AND SIGNED/STAMPED BY THE GENERAL CONTRACTOR PRIOR TO SUBMITTING TO THE STRUCTURAL ENGINEER. MANUFACTURED COMPONENTS SUCH AS TRUSSES OR PRECAST CONCRETE SHALL BE ENGINEERED AND STAMPED PRIOR TO SUBMISSION.
- 17. FABRICATOR SHALL CLEARLY NOTE CHANGES MADE IN THE SHOP DRAWINGS WHICH DO NOT COMPLY WITH THE CONTRACT DOCUMENTS. REVIEWED APPROVAL SHOP DRAWINGS SHOWING ENGINEERS COMMENTS ACCOMPANIED WITH RECORD SET SHOP DRAWINGS, SHALL BE AVAILABLE FOR REFERENCE AT THE CONSTRUCTION SITE.
- 18. EXPANSION ANCHORS SHALL BE HILTI "KWIK BOLT TZ" OR EQUIVALENT (UON). INSTALL ANCHORS IN STRUCTURAL CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- 19. ADHESIVE ANCHORS (AA) SHALL BE HILTI "HIT HY-200 USING 'HAS' STANDARD RODS" OR EQUIVALENT (UON). USE HILTI "HIT-ICE" FOR COLD WEATHER APPLICATIONS, SEE SPECIFICATIONS FOR USAGE. INSTALL ANCHORS IN STRUCTURAL CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- 20. CONCRETE SCREW ANCHORS (CSA) SHALL BE SIMPSON STRONG-TIE "TITEN HD" OR EQUIVALENT (UON). INSTALL ANCHORS IN STRUCTURAL CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. DESIGN LOADS:

ROOF LIVE LOADS: FLAT ROOF SNOW EXPOSURE FACTOR IMPORTANCE FACTOR THERMAL FACTOR GROUND SNOW LOAD DRIFT SURCHARGE LOAD DRIFT WIDTH
<u>DEAD LOADS:</u> TYPICAL ROOF
LATERAL LOADS (WIND-MWERS): ULTIMATE DESIGN WIND SPEED (3 SEC. GUST) NOMINAL DESIGN WIND SPEED WIND EXPOSURE INTERNAL PRESSURE COEFEICIENT

INTERNAL PRESSURE COEFFICIENT RISK CATEGORY COMPONENTS & CLADDING

LATERAL LOADS (SEISMIC-MSFRS): RISK CATEGORY IMPORTANCE FACTOR MAPPED SPECTRAL RESPONSE

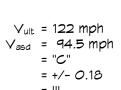
SITE CLASS DESIGN SPECTRAL RESPONSE

SEISMIC DESIGN CATEGORY BASIC SEISMIC FORCE-RESISTING SYSTEM

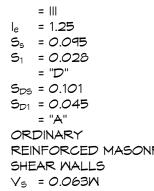
DESIGN BASE SHEAR SEISMIC RESPONSE COEFFICIENT RESPONSE MODIFICATION FACTOR ANALYSIS PROCEDURE



= 20 psf



= ||| qh = 29.2 psf (VELOCITY PRESSURE)



REINFORCED MASONRY

C = 0.063 R = 2 ELFA

22. THE FOLLOWING STANDARD DETAILS SHALL APPLY: 1/5301 TYP STEPPED FOOTING 2/5301 TYP FOOTING CORNER REINFORCEMENT 3/5301 TYP CORNER BAR 4/5301 TYP WALL INTERSECTION 5/5301 TYP WALL CONSTRUCTION JOINT-WCJ 6/5301 TYP FLOOR CONSTRUCTION JOINT (CCJ) 7/5301 TYP FLOOR CONTROL JOINT (CJ) 8/5301 STOOP DETAIL 1/5403 CMU CORNER BAR CMU CONTROL JOINT 4/5403 CMU WALL CORNER 5/5403 CMU WALL REINFORCING

FOUNDATION NOTES:

- 1. FOOTING ELEVATIONS ARE TO TOP OF FOOTING (T.O.F.), (UON). 2. FOOTINGS ARE DESIGNED FOR AN ASSUMED NET ALLOWABLE SOIL BEARING
- PRESSURE OF 1500 psf. THIS VALUE SHALL BE VERIFIED BY A GEOTECHNICAL ENGINEER, SUBMIT REPORT OF OBSERVATION TO ARCHITECT/ENGINEER PRIOR TO POURING FOOTINGS.
- 3. FOOTINGS SHALL BEAR ON NATURAL UNDISTURBED SOIL OR ENGINEERED FILL SOILS SHALL BE OBSERVED AND APPROVED BY A GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF FOOTING CONCRETE. IF NATURAL UNDISTURBED SOILS ARE NOT ENCOUNTERED AND/OR INADEQUATE SOILS ARE NOTED AT FOOTING BEARING LEVEL. ARCHITECT/ENGINEER SHALL BE NOTIFIED PRIOR TO PROCEEDING WITH FURTHER WORK AT THOSE FOOTING LOCATIONS.
- 4. PROTECT FOOTINGS FROM THE ACTION OF WATER OR FREEZING. 5. FOOTINGS ARE CENTERED UNDER WALLS ABOVE (UON).
- 6. PRIOR TO PLACEMENT OF FOOTING CONCRETE, CLEAN FOOTING EXCAVATIONS
- OF SNOW, WATER, MUD, DIRT, AND DEBRIS. 7. FOOTINGS SHALL NOT BE EARTH FORMED.

EXCAVATION AND BACKFILL NOTES:

- 1. EXCAVATION AND BACKFILL SHALL BE EXECUTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- 2. BACKFILL AND COMPACTION SHALL BE INSPECTED AND CERTIFIED BY A LICENSED GEOTECHNICAL ENGINEER. REPORTS ARE TO BE SUBMITTED TO THE ARCHITECT/ENGINEER.
- 3. FOOTING EXCAVATIONS SHALL BE EXCAVATED TO PROPER LINE AND LEVEL TO ENSURE MINIMUM CONCRETE COVER OF FOOTING REINFORCEMENT FOR FOOTING DEPTH.
- 4. ALL BACKFILL BELOW STRUCTURAL FOUNDATIONS AND SLABS ON GRADE BOTH INTERIOR AND EXTERIOR, IF NOT SPECIFIED IN CONTRACT DOCUMENTS OR SPECIFICATIONS, SHALL BE SOIL TYPE SP OR SP-SM ACCORDING TO THE UNIFIED SOIL CLASSIFICATION SYSTEM. GRADATION MUST BE 100% PASSING 2" SIEVE WITH <20% PASSING #200 SIEVE. BACKFILL MUST BE FREE OF ORGANICS.
- 5. BACKFILL SHALL BE COMPACTED BY MECHANICAL MEANS. FLOODING OR WATER INUNDATION SHALL NOT BE PERMITTED.
- 6. BACKFILL SHALL BE PLACED IN 8" (ALTERNATING) LIFTS ON EACH SIDE OF THE FOUNDATION WALLS TO MAINTAIN STABILITY OF FOUNDATION WALLS. COMPACT EACH LIFT TO THE FOLLOWING DENSITY (ASTM D698):

98% DRY DENSITY - BELOW FOOTINGS 98% DRY DENSITY - BELOW SLABS ON GRADE 95% DRY DENSITY - EXTERIOR FOUNDATION WALL BACKFILL

- 7. BACKFILL SHALL NOT BE PLACED AGAINST BASEMENT FOUNDATION WALLS UNLESS WALLS ARE ADEQUATELY BRACED, TOP AND BOTTOM. FINAL WALL BRACING IS BASEMENT SLAB AND 1ST FLOOR STRUCTURE. IF THESE ELEMENTS ARE NOT IN PLACE AT TIME OF BACKFILL, CONTRACTOR SHALL PROVIDE AN ENGINEERED, TEMPORARY BRACING SYSTEM. THE TEMPORARY BRACING SYSTEM PROPOSED SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR REVIEW PRIOR TO BACKFILLING.
- 8. THE CONTRACT STRUCTURAL DOCUMENTS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THE MEANS AND METHODS USED TO PERFORM THE EXCAVATION IS AT THE SOLE DISCRETION OF THE CONTRACTOR, INCLUDING THE DESIGN AND INSTALLATION OF TEMPORARY BRACING OR SHORING. CONTRACTOR IS RESPONSIBLE FOR ALL CODE AND REGULATORY SAFETY REQUIREMENTS.

#### SPECIAL INSPECTIONS:

- 1. THE CONTRACTOR SHALL COORDINATE THE TESTING AND INSPECTION SERVICES IN ACCORDANCE WITH THE PROGRESS OF THE WORK. THE CONTRACTOR SHALL PROVIDE SUFFICIENT NOTICE TO THE TESTING OR INSPECTION AGENCY OF THE REQUIRED WORK TO ALLOW ALLOCATION OF PERSONNEL. THE COST OF ANY RETESTING OR ADDITIONAL INSPECTIONS AS A RESULT OF UNINSPECTED WORK, FAILED TESTS, OR REJECTED WORK, SHALL BE BORNE BY THE CONTRACTOR.
- 2. THE FOLLOWING TABLE INCLUDES ITEMS REQUIRING SPECIAL INSPECTION PROVIDED BY THE OWNER. SPECIAL INSPECTIONS LISTED IN THIS TABLE MAY NOT INCLUDE ALL INSPECTIONS AND/OR TESTING THAT IS REQUIRED FOR THE PROJECT PER IBC CHAPTER 17. ADDITIONAL TESTING MAY BE REQUIRED BY THE CONTRACTOR, AS PART OF THEIR CONTRACT. THESE "SPECIAL INSPECTIONS" ARE IN ADDITION TO THE INSPECTIONS BY THE BUILDING OFFICIAL THAT ARE IDENTIFIED IN SECTION 110 IBC.

[										
REQUIRED SPECIAL INSPECTION										
DESCRIPTION OF WORK	TESTING REQUIRED	INSPECTION FREQUENCY	REMARKS							
GRADING, EXCAVATION, & FILLING	YES	PERIODIC (CONT DURING FILL)	SEE IBC TABLE 1705.6							
CONCRETE FORMWORK	NO	PERIODIC	SEE IBC TABLE 1705.3 ITEM NO 12							
CONCRETE REINFORCEMENT	NO	PERIODIC	SEE IBC TABLE 1705.3 ITEM NO 1							
CONCRETE REINFORCEMENT	NO	PERIODIC (CONT FOR MULTIPASS WELDS)	SEE IBC TABLE 1705.3 ITEM NO 2							
CAST-IN-PLACE CONCRETE	YES	PERIODIC (CONT DURING PLACEMENT)	SEE IBC TABLE 1705.3 ITEM NO 5, 6, 7, 8, \$ 11							
CAST-IN-PLACE CONCRETE CURING & PROTECTION	NO	PERIODIC	CURING TECHNIQUES							
ANCHOR RODS INSTALLED IN CONCRETE	NO	PERIODIC	SEE IBC TABLE 1705.3 ITEM NO 3							
POST-INSTALLED ADHESIVE ANCHORS IN CONCRETE	NO	CONTINUOUS	SEE IBC TABLE 1705.3 ITEM NO 4a							
POST-INSTALLED MECHANICAL	NO	PERIODIC	SEE IBC TABLE 1705.3 ITEM NO 4b							
STRUCTURAL MASONRY	YES	PERIODIC	SEE TMS 402-2016 (LEVEL B QA)							
STRUCTURAL STEEL WELDING	YES	PERIODIC (10% OF ALL WELDS)	SEE AISC360 TABLE N5.4.1 THRU 3							
STRUCTURAL STEEL BOLTING	NO	PERIODIC	SEE AISC360 TABLE N5.6.1 THRU 3							

MASONRY NOTES:

- 1. CONCRETE BLOCK MASONRY UNITS SHALL CONFORM TO GRADE 'N', MOISTURE CONTROLLED TYPE I REQUIREMENTS OF ASTM C90, WITH AN ASSUMED COMPRESSIVE STRENGTH F'M - 1900 PSI. MORTAR SHALL CONFORM TO ASTM C270 AND SHALL BE TYPE 'M' OR TYPE 'S', WITH TYPE 'M' BELOW GRADE.
- 2. BOND BEAMS SHALL HAVE 2 #5 REINFORCING BARS CONTINUOUS, PROVIDE AT TOP OF WALLS AND WHERE SHOWN ON PLAN OR DETAILS. SEE STANDARD DETAILS FOR TYPICAL CORNER BARS. EXTEND VERTICAL REINFORCEMENT THROUGH BOND BEAM WHERE APPLICABLE.
- 3. ALL MASONRY LINTEL BEAMS AND BOND BEAMS WHERE NOTED SHALL BE A "U" BLOCK TYPE UNIT. 4. CONCRETE GROUT FOR UNIT MASONRY CORES AND BOND BEAMS SHALL HAVE
- A 28-DAY COMPRESSIVE STRENGTH OF 3000 psi. 5. MASONRY WALLS ARE TO BE SUPPORTED LATERALLY UNTIL THE ENTIRE ROOF AND/OR FLOOR IS IN PLACE AS DETAILED.
- 6. WIRE REINFORCING FOR CMU WALLS SHALL BE CORROSION RESISTANT 9 GA HORIZONTAL JOINT REINFORCING CONFORMING TO ASTM A951. REINFORCING SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS WITH MAXIMUM SPACING OF 1'-4" O.C. (UON)



- 8. VERTICAL REINFORCING BARS SHALL BE HELD IN POSITION AT TOP AND BOTTOM AND AT 192 (REINF) DIAMETER INTERVALS MAXIMUM. LENGTH OF REINFORCING BARS TO BE COORDINATED WITH GENERAL CONTRACTOR AND MASONRY CONTRACTOR.
- 9. WHERE CELLS ARE TO BE FILLED WITH CONCRETE GROUT, PROVIDE ADDITIONAL FULL MORTAR BED AT CROSS WEBS ENCLOSING GROUTED CELL.
- 10. CONSOLIDATE ALL CONCRETE GROUT BY PUDDLING OR VIBRATING. 11. BLOCK COURSING SHOWN ON STRUCTURAL PLANS MAY NOT BE
- REPRESENTATIVE OF ACTUAL COURSING. SEE ARCHITECTURAL PLANS AND SECTIONS FOR ACTUAL LAYOUT OF BLOCK COURSING.
- 12. MASONRY PIERS SHALL BE LAID UP SIMULTANEOUSLY WITH WALLS AND SHALL BE INTERLOCKED WITH WALL BLOCKS. 13. FIRST COURSE OF ALL HOLLOW MASONRY SHALL BE PLACED ON A FULL BED
- OF MORTAR. 14. CAST DOWELS, WITH STANDARD HOOKS, IN FOOTINGS FOR PIERS AND WALLS ABOVE. DOWELS SHALL BE THE SAME SIZE AND SPACING OF VERTICAL
- 15. ALL OPENINGS IN MASONRY WALLS REQUIRE A LINTEL. FOR OPENINGS WHICH HAVE NOT BEEN CALLED FOR ON PLAN, THE FOLLOWING SCHEDULE SHALL APPLY:

REINFORCING UON.

LOOSE LINTEL SCHEDULE				
SPAN	4" VENEER	8" WALL	12" MALL	16" MALL
0'-0" - 4'-0"	L3-1/2x3-1/2x1/4	2- L3-1/2x3-1/2x1/4	W8X10 W/ PL1/4"	W8x10 W/ PL1/4"
4'-0" - 6'-0"	L4x3-1/2x1/4	2- L4x3-1/2x1/4	W8X10 W/ PL1/4"	W8x18 W/ PL1/4"
6'-0" - 8'-0"	L5x3-1/2x1/4	2- L6x3-1/2x1/4	W8X18 W/ PL1/4"	W8x24 W/ PL1/4"
8'-0" - 10'-0"	L6x3-1/2x1/4	W8X10 W/ PL1/4"	W8X24 W/ PL1/4"	W8x28 W/ PL1/4"
NOTES:				

1. LINTELS SHALL HAVE A BEARING OF 2" PER FOOT OF SPAN @ EACH END (6"

- 2. SEE ARCHITECTURAL, MECHANICAL, & ELECTRICAL PLANS FOR OPENINGS NOT
- 3. SUPPLY A MINIMUM 100 0" OF L3-1/2x3-1/2x1/4 FOR MECHANICAL OPENINGS -
- SD 4. FOR SPANS GREATER THAN 10'-O", CONTACT STRUCTURAL ENGINEER OF RECORD.

#### CONCRETE NOTES:

- 1. CONCRETE CONSTRUCTION SHALL CONFORM TO AMERICAN CONCRETE INSTITUTE (ACI) CODES AND SPECIFICATIONS, LATEST EDITION. ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE" ACI 315 "DETAILS & DETAILING OF CONCRETE REINFORCEMENT" ACI 318-14 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE"
- 2. CAST-IN-PLACE CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH IS AS FOLLOWS:
- 3000 psi FOOTINGS & FOOTING PADS 4000 psi - EXTERIOR FOUNDATION WALLS 4000 psi - INTERIOR SLABS ON GRADE 4000 psi - EXTERIOR SLABS ON GRADE - AIR ENTRAINED 3000 psi - MASONRY GROUT
- 3. CONCRETE MIX DESIGNS SHALL BE BY AN INDEPENDENT TESTING LABORATORY, AND SUBMITTED FOR REVIEW & APPROVAL.
- 4. CAST-IN-PLACE CONCRETE SHALL BE SUBJECT TO TESTING BY AN INDEPENDENT TESTING LABORATORY. SEE PROJECT SPECIFICATIONS FOR REQUIREMENTS.
- 5. NON-WELDED REINFORCING STEEL SHALL BE GRADE 60 DEFORMED, BILLET-
- STEEL, ASTM A615, UON ALL WELDED WIRE FABRIC (WWF) SHALL BE PLAIN ASTM A185
- 7. CLEAR CONCRETE COVER FOR ALL REINFORCING SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED ON THE DRAWING:
  - CONCRETE ON SOIL SLAB ON GRADE WALLS, STRUCTURAL SLABS-
  - FORMED & EXPOSED TO EARTH OR WEATHER: #6 THROUGH #18
  - #5 & SMALLER NOT EXPOSED TO EARTH & WEATHER:
  - #11 & SMALLER BEAMS & COLUMNS (COVER TO STIRRUPS OR TIES) 11/2"
- 8. PROVIDE EXTRA REINFORCEMENT AROUND ALL OPENINGS GREATER THAN 1'-0" SQUARE OR 1'-O" IN DIAMETER, INCLUDING DOOR OPENINGS, IN CONCRETE WALLS & SLABS. PROVIDE 2- #5 BARS @ 3" OC, ON EACH SIDE OF THE OPENING EXTENDING 2'-O" BEYOND THE CORNER OF THE OPENING & 2- #5 BARS AT 3" OC BY 3'-O" LONG DIAGONAL BARS AT EACH CORNER. PLACE DIAGONAL BARS CENTERED ON CORNER @ 2" CLEAR OF CORNER. ADDITIONAL REINFORCEMENT SHALL BE PROVIDED AT EACH LAYER OF REINFORCING.
- 9. REINFORCING STEEL SHALL BE BENT, SPLICED, AND PLACED IN ACCORDANCE WITH ACI 301 (LATEST EDITION).

PROVIDE LAP SPLICE FOR REINFORCING
TYPE #1 SPLICE - ONLY WHERE SP
TYPE #2 SPLICE - TYPICAL FOR HO
SLABS, GRADE BEAMS, FOOTINGS A
TYPE #3 SPLICE - WHERE CONCRE
SPACING IS LESS THAN 2 Bd
TYPE #4 SPLICE - TYPICAL FOR VER
(UON)

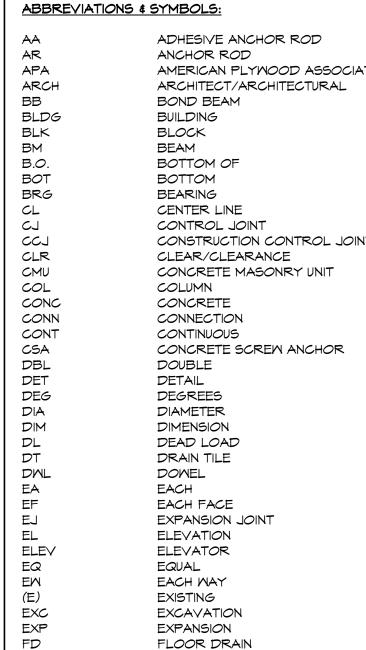
#### REINFORCING STEEL SPLICE LENGTHS STANDARD NON-COATED BARS

CONCRETE	TYPE #1 SPLICE CLASS A SPLICE		TYPE #2 SPLICE CLASS B SPLICE		TYPE #3 SPLICE CLASS B SPLICE		TYPE #4 SPLICE COMRESSION
STRENGTH F'C	#6 & SMALLER	#7 & LARGER	#6 & SMALLER	#7 & LARGER	#6 & SMALLER	#7 & LARGER	SPLICE #4 & LARGER
3000 psi	44 Bd	55 Bd	57 Bd	71 Bd	85 Bd	107 Bd	30 Bd
3500 psi	41 Bd	51 Bd	53 Bd	66 Bd	79 Bd	99 Bd	30 Bd
4000 psi	38 Bd	47 Bd	49 Bd	62 Bd	74 Bd	92 Bd	30 Bd
5000 psi	34 Bd	42 Bd	44 Bd	55 Bd	66 Bd	83 Bd	30 Bd
6000 psi	31 Bd	38 Bd	40 Bd	50 Bd	60 Bd	76 Bd	30 Bd

#### MIN. LAP: 1' - 6" FOR TYPE #1 THROUGH TYPE #3 & 1' - 0" FOR TYPE #4 SPLICES.

NOTES

- B. MULTIPLY THE SPLICE LENGTH ABOVE BY THE FOLLOWING ADJUSTMENT FACTORS: a. 1.0 - FOR STANDARD REBAR
  - CONCRETE, PLACE BELOW BAR
  - c. 1.3 FOR LIGHTWEIGHT CONCRETE d. 1.2 - FOR TYPICAL EPOXY COATED REBAR
  - SPACING LESS THAN 6 Bd
- f. Fy USED/60 FOR REBAR STRENGTHS OTHER THAN 60 ksi ALL ADJUSTMENT FACTORS THAT APPLY SHALL BE USED TO CALCULATE REQUIRED
- SPLICE LENGTH.
- BARS FIRMLY IN PLACE TO SPECIFIED COVERAGE.
- A SQUARE PATTERN WITH A MAXIMUM SPACING OF 24 TIMES THE SLAB THICKNESS. WHERE A SQUARE PATTERN IS NOT POSSIBLE, THE MAXIMUM LONG SIDE TO SHORT SIDE OF THE JOINT PATTERN SHALL NOT EXCEED A RATIO OF 1.25:1. CONSTRUCTION JOINTS SHALL BE LOCATED BY THE CONTRACTORS AS REQUIRED FOR CONSTRUCTION WITH A MAXIMUM OF 3,000 SQUARE FEET. CONTRACTOR SHALL SUBMIT A JOINT PLACEMENT PLAN TO
- 13. CAST DOWELS, WITH STD 90° HOOK, IN FOOTINGS FOR CONCRETE PIERS AND WALLS ABOVE. DOWELS SHALL BE THE SAME SIZE AND NUMBER AS THE VERTICAL REINFORCING, (UON).
- 14. SUPPLY 50 FEET EXTRA OF #5 REBAR FOR MISC PLACEMENT AS DIRECTED BY THE ARCHITECT/ENGINEER. CONTRACTOR SHALL INCLUDE ALLOWANCE FOR PROJECTED LABOR COSTS INVOLVED WITH INSTALLATION OF REINFORCEMENT.



FOUNDATION

FOOTING FOOT/FEET

FINISH GRADE

FDN

' FTG

FG

6. WELDED REINFORCING STEEL SHALL BE GRADE 60, LOW CARBON, ASTM A706.

#### MID-HEIGHT

1 1/2"

## 3/4

#### G STEEL AS FOLLOWS: PECIFICALLY SHOWN ON PLAN

ORIZONTAL REINFORCING BARS IN AND FOUNDATION WALLS (UON) ETE COVER IS LESS THAN BD AND THE

RTICAL BARS IN COLUMNS AND PIERS

Bd = BAR DIAMETER

b. 1.3 - WHEN HORIZONTAL REINFORCING HAS MORE THAN 1' - O" OF FRESH

e. 1.5 - FOR EPOXY COATED REBAR WITH COVER LESS THAN 3 Bd OR CLEAR

11. PROVIDE ADEQUATE SUPPORT BARS AND ACCESSORIES TO HOLD REINFORCING

12. UNLESS SHOWN SPECIFICALLY ON PLAN, CONTROL JOINTS SHALL BE PLACED IN

OWNER/ARCHITECT/ENGINEER FOR REVIEW PRIOR TO POURING CONCRETE.

STRUCTURAL STEEL NOTES:

1. STRUCTURAL STEEL WORK SHALL CONFORM TO AISC 360 & AISC 341 WITH THE

FO.	LLOWING AS	TM MATERIAL SPECIFICATIONS:	
	A992	W, AND WT SHAPES	Fy = 50 ksi
	A500	GRADE C - HSS PIPES	Fy = 46 ksi
	A500	GRADE C - HSS TUBES	Fy = 50 ksi
	A36	M, S, C, MC, & L (ANGLES) SHAPES	Fy = 36 ksi
		PLATES, BARS & THREADED RODS	-
	F1554	GRADE 36 - ANCHOR RODS	Fy = 36 ksi
		GRADE 55 - ANCHOR RODS	Fy = 55 ksi (WELDABI
		GRADE 105 - ANCHOR RODS	Fy = 105 ksi
	F3125	GRADE A325 (GROUP A) - BOLTS	FU = 120 ksi
		GRADE A490 (GROUP B) - BOLTS	FU = 150 ksi
	A563	CONNECTION NUTS	
	F436	WASHERS	
	A108	TYPE B - HEADED STUD ANCHORS	Fy = 65 ksi
	E70XX	ELECTRODES	Fexx = 70 ksi

2. WELDED CONNECTIONS SHALL BE MADE IN ACCORDANCE WITH THE LATEST RECOMMENDATIONS OF: AISC - AMERICAN INSTITUTE OF STEEL CONSTRUCTION AWS - AMERICAN WELDING SOCIETY

- 3. COLUMN BASE AND CAP PLATES TO BE WELDED AROUND ALL SIDES.
- 4. BOTTOM PLATE OF STEEL LINTELS SHALL BE WELDED TO THE BEAM WITH 3/16" FILLET WELD (BOTH SIDES) 3" LONG @ 1'-0" OC (UON).
- 5. WELDS NOT SPECIFIED SHALL BE A FILLET WELD, CONTINUOUS AND/OR ALL AROUND WITH MINIMUM THROAT DIMENSION AS REQUIRED FOR MATERIAL THICKNESS PER AWS.
- 6. STRUCTURAL FABRICATORS SHALL SHOW ALL FIELD WELDING REQUIREMENTS ON SHOP DRAWINGS SUBMITTED TO THE ENGINEER.
- 7. BEFORE ENCASING STEEL COLUMNS IN CONCRETE OR MASONRY, COAT COLUMN BASES AND TOPS OF ANCHOR BOLTS WITH ASPHALTIC ROOF CEMENT.
- 8. BEAMS AND COLUMNS SHALL BE ERECTED TRUE AND PLUMB WITHIN AISC TOLERANCE. PROVIDE TEMPORARY BRACING AS REQUIRED.

SHRINK, NON-METALLIC GROUT AS SPECIFIED.

- 9. BEARING PLATES FOR STEEL COLUMNS SHALL BE DRY PACKED WITH A NON-
- 10. BRIDGING SHALL BE SUPPLIED AND DESIGNED BY THE STEEL JOIST SUPPLIER, AS PER SJI STANDARDS, FOR THE PROJECT DESIGN LOADS. STEEL JOIST SUPPLIER TO PROVIDE CONNECTIONS TO ANCHOR BRIDGING TO MASONRY AND/OR CONCRETE WALLS. SEE STANDARD DETAILS.
- 11. PROVIDE DOUBLE ANGLE CONNECTIONS AS DESCRIBED IN PART 10 OF THE AISC MANUAL OF STEEL CONSTRUCTION CONNECTIONS SHALL BE SELECTED TO SUPPORT BEAM END REACTIONS
- INDICATED ON THE CONSTRUCTION DOCUMENTS. • IF BEAM END REACTIONS ARE NOT INDICATED, CONNECTIONS SHALL BE SELECTED TO SUPPORT 1/2 THE TOTAL UNIFORM LOAD CAPACITY GIVEN IN THE ALLOWABLE UNIFORM LOAD TABLES, PART 3, FOR THE SPECIFIED
- BEAM SIZE, SPAN, AND STEEL GRADE (UON). OTHER RATIONAL ENGINEERING CONNECTION DESIGN AND STANDARD CONNECTION PRACTICES MAY BE USED WITH APPROVAL OF THE ENGINEER. • CONNECTIONS SHALL HAVE MINIMUM ROWS OF BOLTS FOR BEAM DEPTHS AS INDICATED IN PART 10.
- 12. FRAMED STEEL BEAM CONNECTIONS SHALL BE "BEARING TYPE" UON.

13. STEEL BEAM KEY: <u> M16x40 (15) (3/4") (-0'-0")</u>

ELECTRIC ARC WELDING GUN.

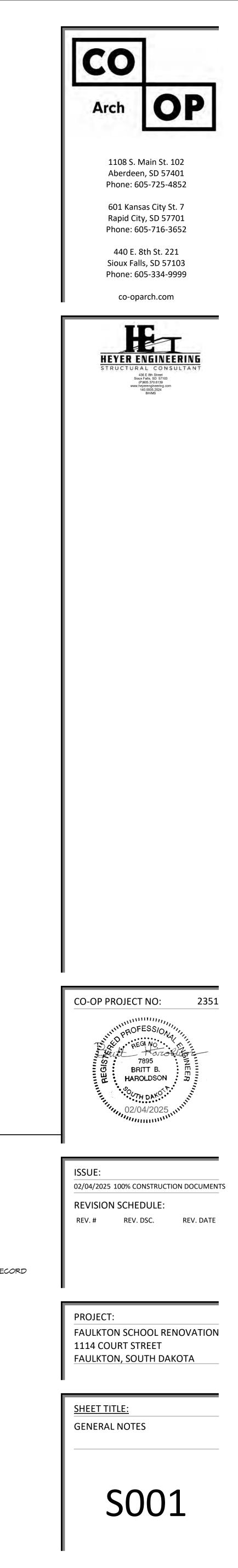
BEAM SIZE NUMBER OF HEADED STUDS (EQUALLY SPACED) CAMBER ELEVATION FROM T.O. STEEL

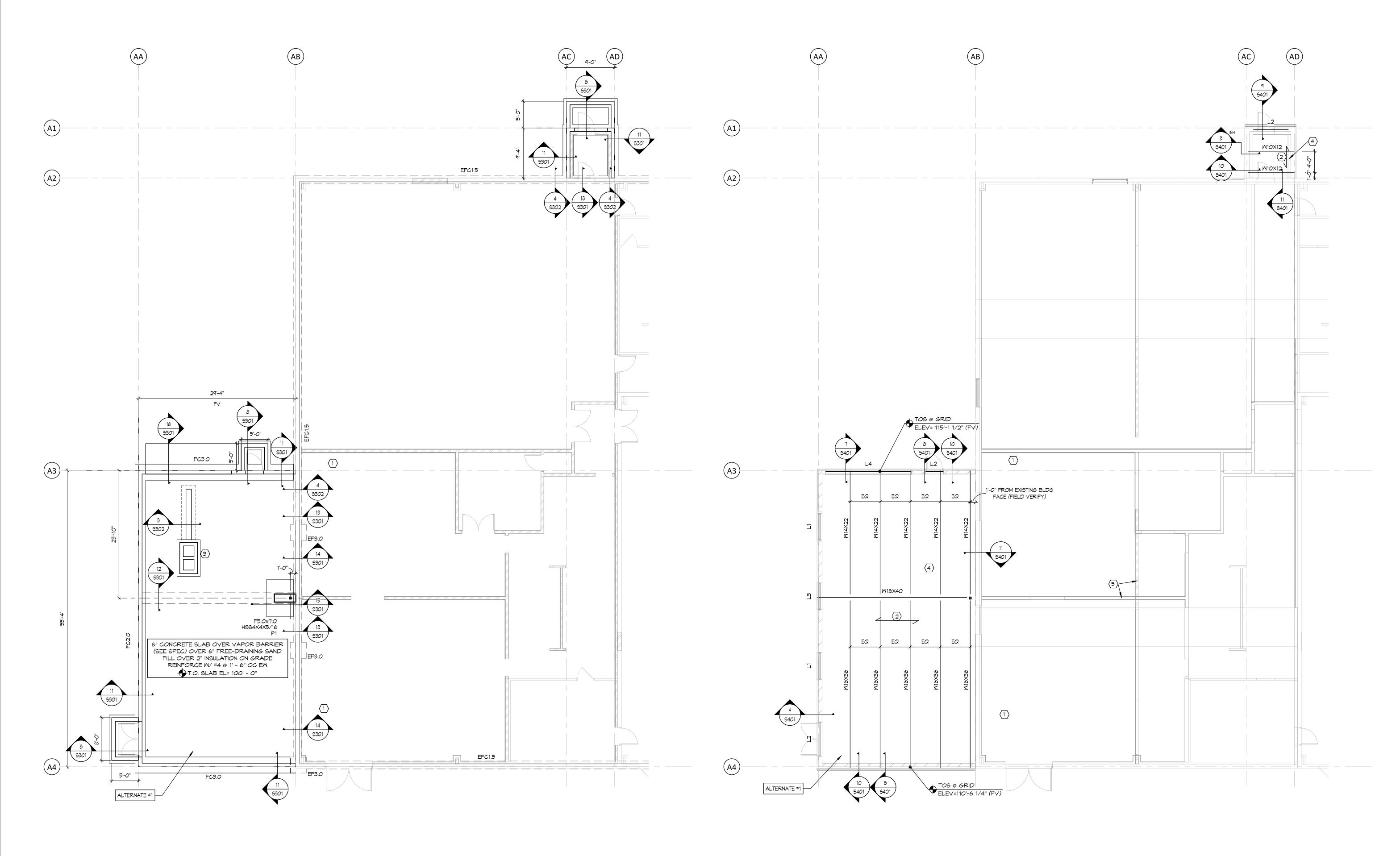
- 20 (BEAM END REACTION/MOMENT)
- 14. BEAMS SHALL BE MARKED AND ERECTED WITH NATURAL CAMBER PLACED UPWARDS.
- 15. DO NOT PAINT STEEL SURFACES TO BE FIELD WELDED.
- 16. DO NOT PAINT STEEL SURFACES THAT HEADED STUD ANCHORS WILL BE WELDED
- 17. ALL HEADED STUD ANCHORS TO BE ATTACHED TO STEEL SECTION USING
- 18. FOR STEEL TO RECEIVE SPRAY APPLIED FIREPROOFING, VERIFY STEEL
- SURFACE PREPARATION REQUIREMENTS WITH MANUFACTURER. 19. SUPPLY 20 FEET EXTRA OF L4X4X1/4 ANGLE FOR MISC BRACING, ETC AS
- DIRECTED BY ARCHITECT/ENGINEER. CONTRACTOR SHALL INCLUDE AN ALLOWANCE FOR ERECTION OF STEEL ANGLE. 20. STEEL JOISTS TO BE MANUFACTURED AND ERECTED IN ACCORDANCE WITH
- STEEL JOIST INSTITUTE SPECIFICATIONS.
- 21. METAL DECK TO BE MANUFACTURED AND ERECTED IN ACCORDANCE WITH STEEL DECK INSTITUTE SPECIFICATIONS.
- ROOF DECK 1 1/2" DEEP, TYPE B, 20 GA, AS MADE BY VULCRAFT OR EQUAL
- 22. VERIFY LOCATION OF ROOF OPENINGS WITH MECHANICAL CONTRACTOR. ROOF OPENINGS SHALL BE FRAMED WITH L3X3X3/8 ON FOUR SIDES (UON). SEE STANDARD DETAILS.
- 23. ROOF PERIMETER STEEL ELEMENTS SUCH AS ANGLES OR BENT PLATES, NOTED TO BE CONTINUOUS, SHALL BE FIELD SPLICED WITH A FULL LENGTH SQUARE GROOVE FULL PENETRATION WELD UTILIZING A MINIMUM 3/16" ROOT OPENING.

DEFERRED STRUCTURAL SUBMITTALS:

- 1. THE DESIGN AND DOCUMENTATION OF THE CERTAIN STRUCTURAL COMPONENTS MAY BE DEFERRED UNTIL AFTER THE BUILDING PERMIT HAS BEEN ISSUED.
- 2. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION FOR THE FOLLOWING SUBMITTALS: STRUCTURAL STEEL FRAMING
- CONCRETE REINFORCING CONCRETE MIX DESIGN
- MASONRY REINFORCING

	ABBREVIATIONS & SYMBOLS (CONT.):		ABBREVIATIONS & SYMBOLS (CONT.):		
	GALV	GALVANIZE	RAD	RADIUS	
	GA	GAUGE	RD	ROOF DRAIN	
IATION	GC	GENERAL CONTRACTOR	REINF	REINFORCING	
	GT	GIRDER TRUSS	REM	REMOVE	
	HC	HOLLOW CORE	REQD	REQUIRED	
	HORIZ/HOR	HORIZONTAL	RFG	ROOFING	
	HSA	HEADED STUD ANCHOR	RO	ROOF OPENING	
	HSS	HOLLOW STRUCTURAL SECTION	SA	SCREW ANCHOR	
	IF	INSIDE FACE	SB	SOIL BORING	
	INT	INTERIOR	SCHED	SCHEDULE	
	JST	JOIST	SD	SEE DETAIL	
	K	KIPS	SDL	SUPERIMPOSED DEAD LOAD	
	KLF	KIPS PER LINEAR FOOT	SLL	SUPERIMPOSED LIVE LOAD	
NNT	KSI	KIPS PER SQUARE INCH	SER/SEOR	STRUCTURAL ENGINEER OF REC	
		ANGLE	SHT	SHEET	
		LIVE LOAD	SIM	SIMILAR	
	LB	LEDGER BEAM	SQ	SQUARE	
	LBS	POUNDS	51	STEEL JOIST	
		LONG LEG HORIZONTAL	SL	SNOW LOAD	
		LONG LEG VERTICAL	SPA	SPACE/SPACING	
	LONG	LONGITUDINAL	SPC	SPECIAL	
	MAS	MASONRY	SPECS	SPECIFICATIONS	
	MAX	MAXIMUM	55	STAINLESS STEEL	
	MECH	MECHANICAL	STD	STANDARD	
	MFG	MANUFACTURER	STL	STEEL	
	MIN	MINIMUM	TEMP	TEMPORARY	
	MISC	MISCELLANEOUS	T#B		
	MISC	METAL	T¢D T¢G	TONGUE & GROOVE	
	MO	MASONRY OPENING	THK	THICK/THICKENED	
	N	NORTH	ТНК Т. <i>О</i> .	TOP OF	
		NOT TO SCALE			
	NTS	NOT TO SCALE NON-SHRINK	TRANS	TRANSVERSE	
	NS		TS TXB		
	00		TYP	TYPICAL	
	OD OF	OUTSIDE DIAMETER OUTSIDE FACE		UNLESS OTHERWISE NOTED	
				VERIFY	
	OH	OVERHEAD	VERT		
	OPNG	OPENING	WF	WIDE FLANGE	
	ORIG		ND	WOOD	
	PAF	POWDER ACTUATED FASTENER	ML		
	PART	PARTITION	W/	MITH	
	PC	PRECAST CONCRETE	W/O	WITH OUT	
	PLF	POUND PER LINEAR FOOT	MT	WEIGHT	
	PL	PLATE	MME	WELDED WIRE FABRIC	
	PWD	PLYWOOD	@	AT	
	PNL	PANEL	+/-	PLUS OR MINUS	
	PSF	POUNDS PER SQUARE FOOT			
	PSI	POUNDS PER SQUARE INCH			



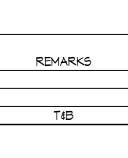




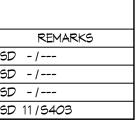
		F <i>00</i> 1	TING SCHEDUL	E	
			REINFO	ORCING	
MARK	SIZE	DEPTH	TRANS	LONG	]
FC2.0	2'-0"	1'- <i>O</i> "	#4 @ 48"	2- #5	
FC3.0	3'-0"	1'- <i>O</i> "	#4 @ 48"	3- #5	
F5.0x7.0	5'-0"×7'-0"	2'-0"	7- #5	5- #5	

PIER SCHEDULE										
			REINFOR							
MARK	"B"	"N"	VERT REINF/DWL	TIES	TOP OF PIER					
<b>P</b> 1	1'-6"	4'-0"	20- #6 VERT							

		MASONRY LINTEL	SCHEDULE	
MARK	LINTEL DEPTH	REINFORCING	JAMB	
L1	16"	2- #5 BOTTOM	1- #5 IN END 2 CELLS	9
L2	24"	2- #5 TOP & BOTTOM	2- #5 IN END 2 CELLS	9
L3	32"	2- #5 TOP & BOTTOM	2- #5 IN END 2 CELLS	5
L4	W16X31	STEEL BEAM	2- #5 IN END 4 CELLS	5



# REMARKS



# FOUNDATION NOTES:

- VERIFY ALL DIMENSIONS W/ ARCHITECTURAL PLANS. DO NOT SCALE DRAWINGS.
   SEE SHEET SOOI FOR GENERAL STRUCTURAL NOTES.
   STERRED ECOTING GR.
- 3. (5) = STEPPED FOOTING SD
- COORDINATE LOCATIONS OF MECHANICAL & ELECTRICAL PENETRATIONS THROUGH ALL FOUNDATION SLABS.
   ALL STOOPS SHALL BE CENTERED ON DOOR OPENINGS (UON). VERIFY DOOR OPENING LOCATIONS & DIMENSIONS W/ ARCHITECTURAL PLANS.
- 6. FX OR FCX FOOTING MARK. SEE FOOTING SCHEDULE THIS SHEET.
  7. VERIFY SLOPE, GRADE, ELEVATION & EXTERIOR CONC W/ CIVIL PLANS.
- GEOTECHNICAL ENGINEER APPROVED ENGINEERED FILL IS REQUIRED BEFORE ANY POURING OF CONCRETE. (SEE FOUNDATION NOTES).

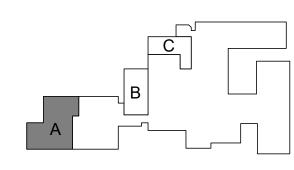
# 9. ALL EXTERIOR MASONRY WALLS ARE 8" CMU W/ #5 @ 2'-8" OC, UNO.

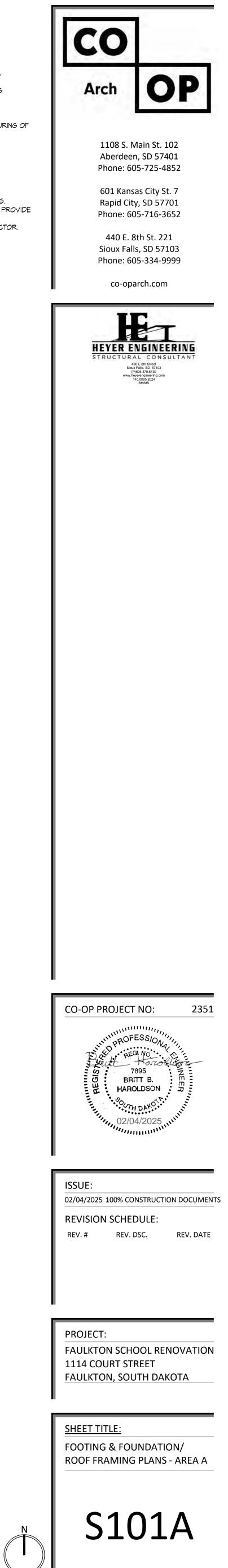
## FRAMING NOTES:

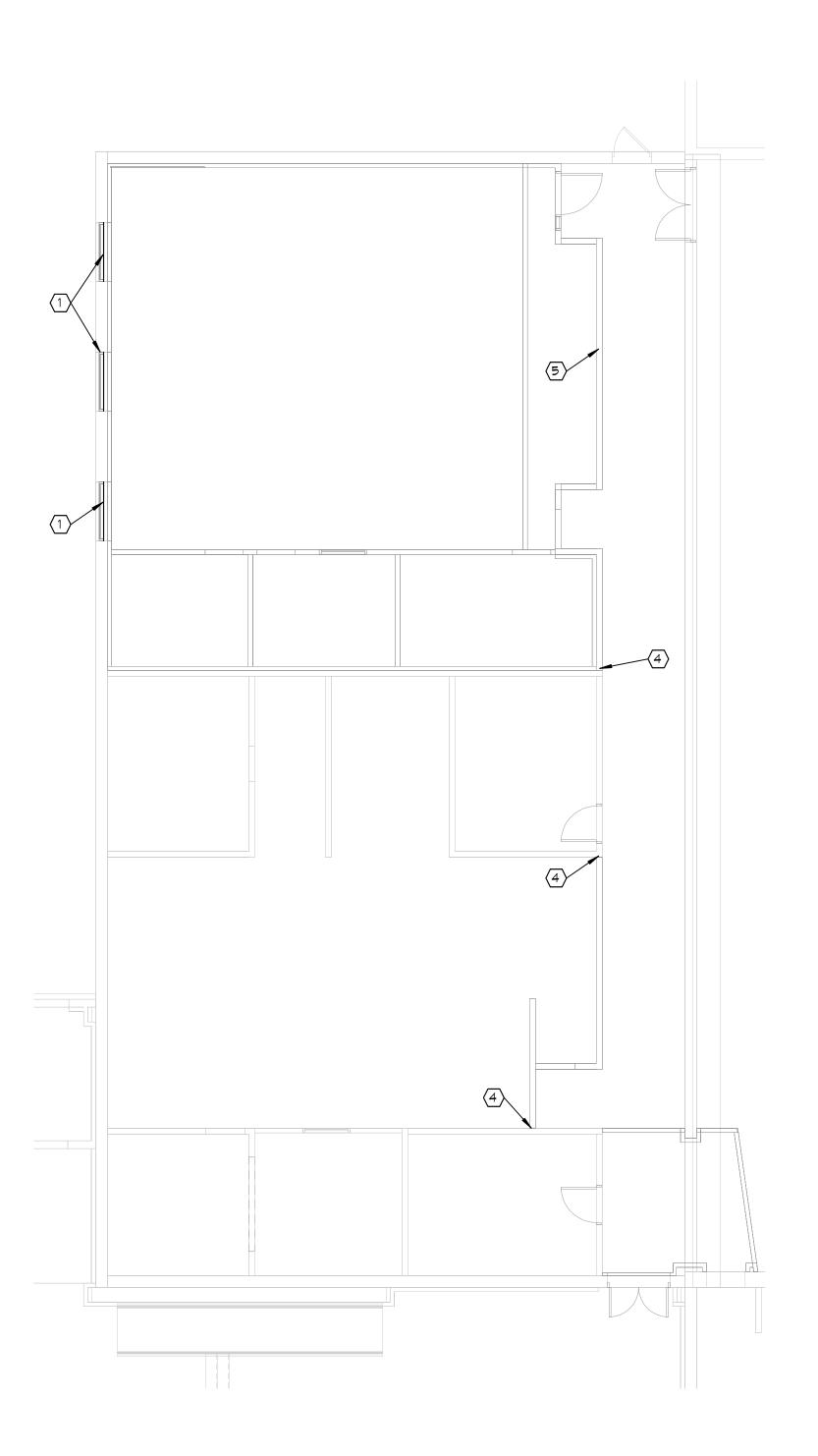
- SEE SHEET SOO1 FOR GENERAL STRUCTURAL NOTES.
   VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS, WHICH SHALL BE GOVERNING.
- VERIFY SIZE AND LOCATION OF ALL MEP PENETRATIONS WITH MECHANICAL DRAWINGS. PROVIDE ADDITIONAL FRAMING AND REINFORCING PER TYPICAL DETAILS.
- VERIFY EXACT SIZE AND WEIGHT OF ROOF TOP EQUIPMENT WITH MECHANICAL CONTRACTOR.
   GC TO FIELD VERIFY ALL EXISTING INFORMATION SHOWN AND NOTIFY EOR OF ANY DISCREPENCIES.

KEY NOTES:

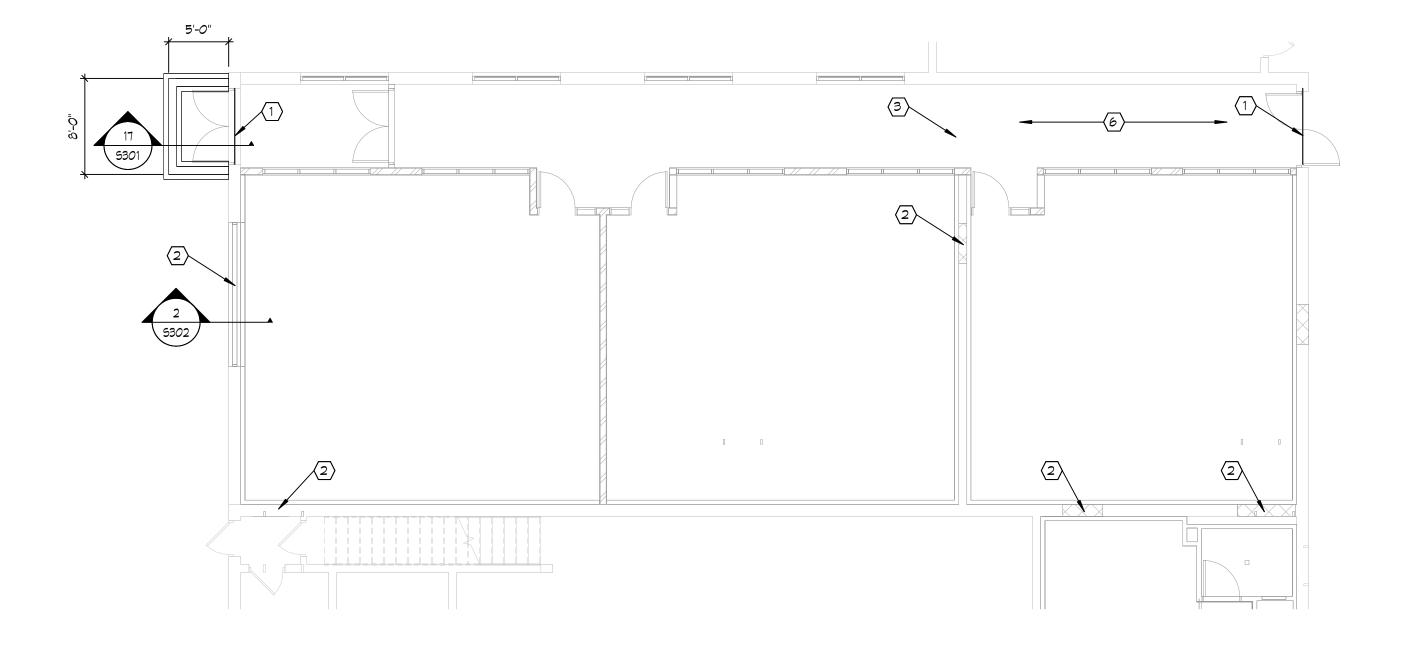
- 2 1 1/2" 20 GAGE TYPE B ROOF DECK ATTACH PER DETAIL 2/5401
   3 OIL/SAND INTERCEPTER PIT VERIFY W/ MEP FOR LOCATION/ELEVATION, SD 1/5302
- 4 NEW ROOF TO MATCH SLOPE OF EXISTING ROOF. GC TO FIELD VERIFY EXISTING ROOF DIMENSIONS AND COORDINATE TOS ELEVATION WITH ROOF DECK AND INSULATION.
- 5 NON BEARING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







1 FIRST LEVEL PLAN - AREA B 5201B 1/8" = 1'-0"



2 FIRST LEVEL PLAN - AREA C 5201B 1/8" = 1'-0"

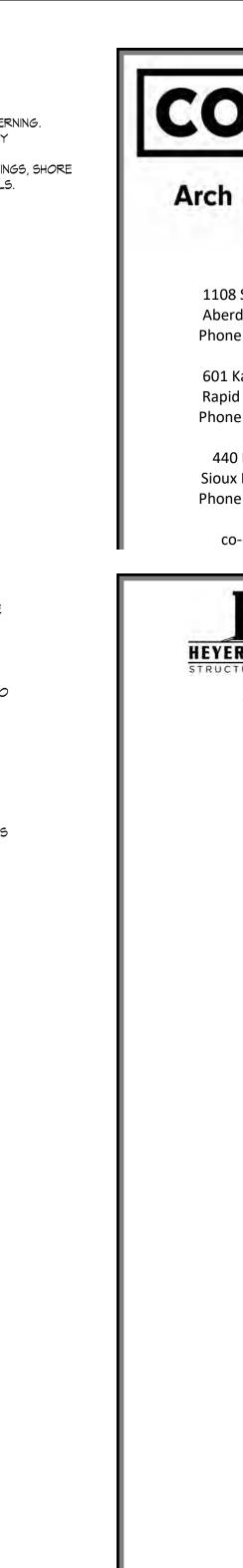
### FRAMING NOTES:

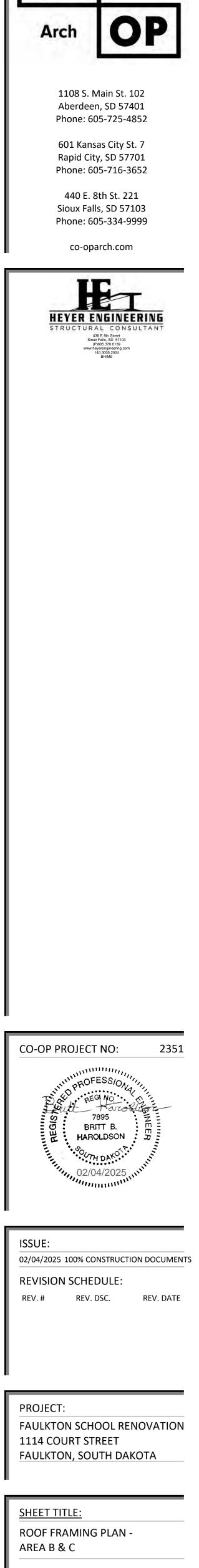
1. SEE SHEET SOO1 FOR GENERAL STRUCTURAL NOTES.

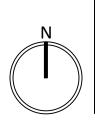
- 2. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS, WHICH SHALL BE GOVERNING. 3. GC TO FIELD VERIFY ALL EXISTING INFORMATION SHOWN AND NOTIFY EOR OF ANY DISCREPENCIES.
- 4. GC IS RESPONSIBLE TO SHORE EXISTING STRUCTURE AS REQUIRED. AT NEW OPENINGS, SHORE EXISTING MASONRY WALL AND BRICK VENEER AS NEEDED TO INSTALL NEW LINTELS.

### KEY NOTES:

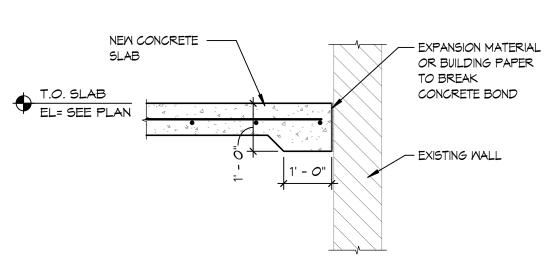
- $\langle 1 \rangle$  NEW MASONRY OPENING, PROVIDE LINTEL PER DETAIL 8/5403
- $\langle 2 \rangle$  INFILL EXISTING MASONRY PER DETAIL 1/S401. AFTER EXTERIOR CONCRETE IS REMOVED GC TO INVESTIGATE IF FOUNDATION EXISTS FOR BRICK SUPPORT AND PROVIDE LEDGE PER DETAIL 2/S302 IF FOUNDATION DOES NOT EXIST.
- $\langle 3 
  angle$  REMOVE EXISTING MASONRY WALL FULL HEIGHT. GC TO VERIFY WALL IS NON-LOAD BEARING AND NOT CONNECTED TO STRUCTURE ABOVE PRIOR TO REMOVAL
- $\langle 4 
  angle$  DRILL AND EXPOXY #4x30" INTO EXISTING WALL WITH 4" EMBEDMENT AT 48" AND 2-#4 IN 16" BOND BEAM AT TOP OF WALL. PROVIDE #4x30" VERTICAL DOWELS IN EXISTING SLAB AT 48" OC WITH 3" EMBEDMENT.
- $\langle 5 \rangle$  PROVIDE #4x30" VERTICAL DOWELS IN EXISTING SLAB AT 48" OC WITH 3" EMBEDMENT. PROVIDE 2-#4 IN 16" BOND BEAM AT TOP OF WALL AND PROVIDE CORNER BAR AT RETURN WALLS
- $\langle 6 \rangle$  FLOOR OPENINGS IN STRUCTURE ABOVE TO BE COORDINATED SO OPENINGS ARE LOCATED BETWEEN EXISTING JOISTS



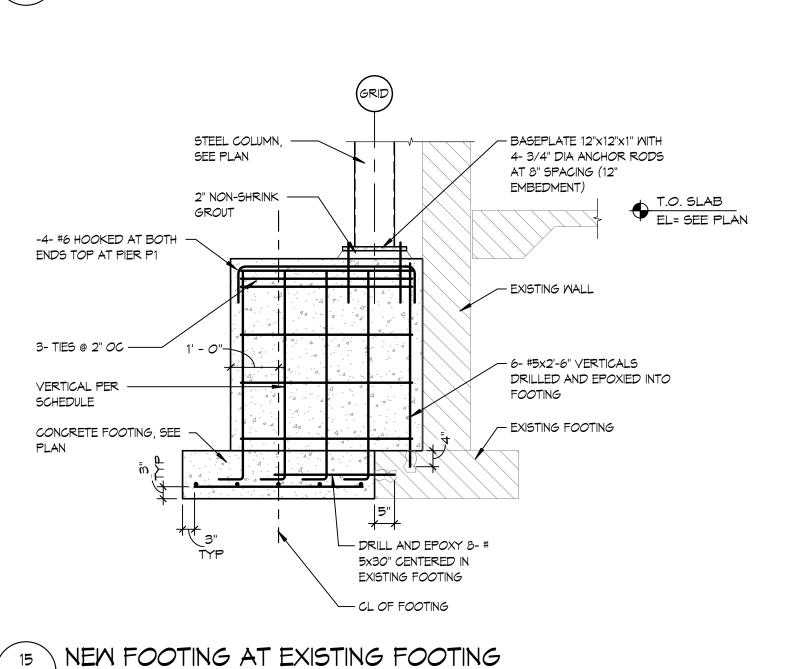




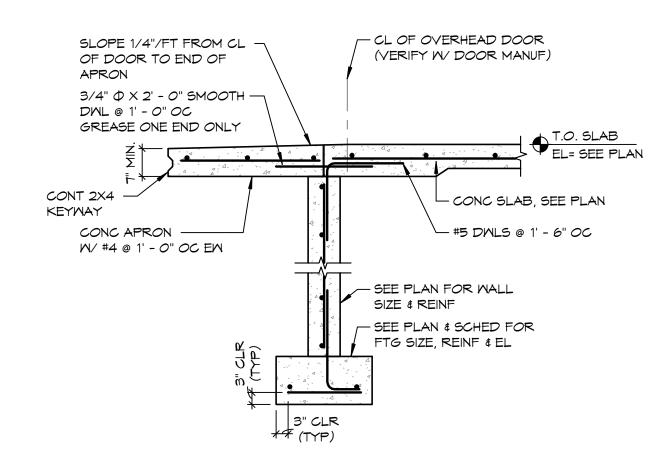


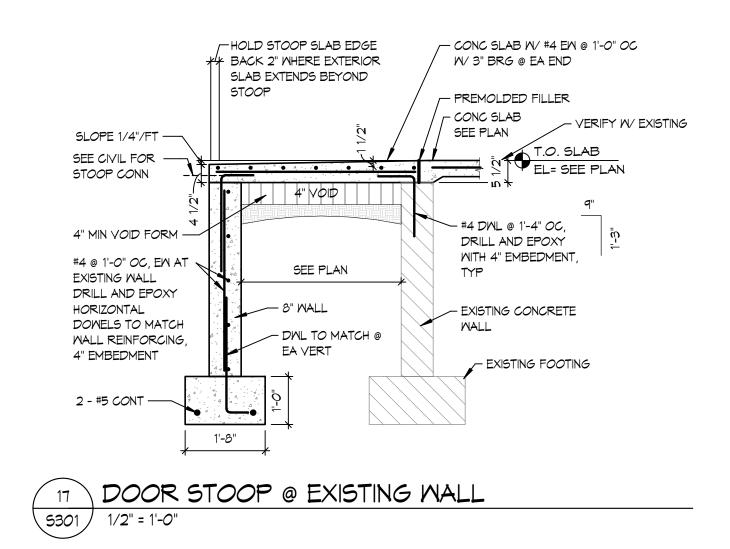


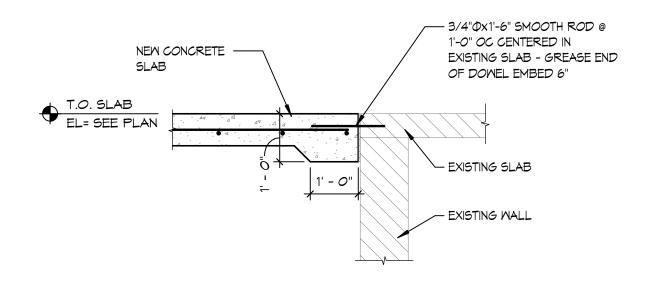
5301 1/2" = 1'-0"



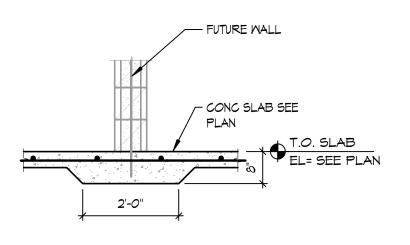




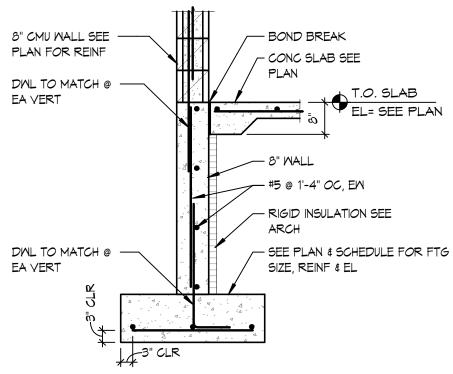




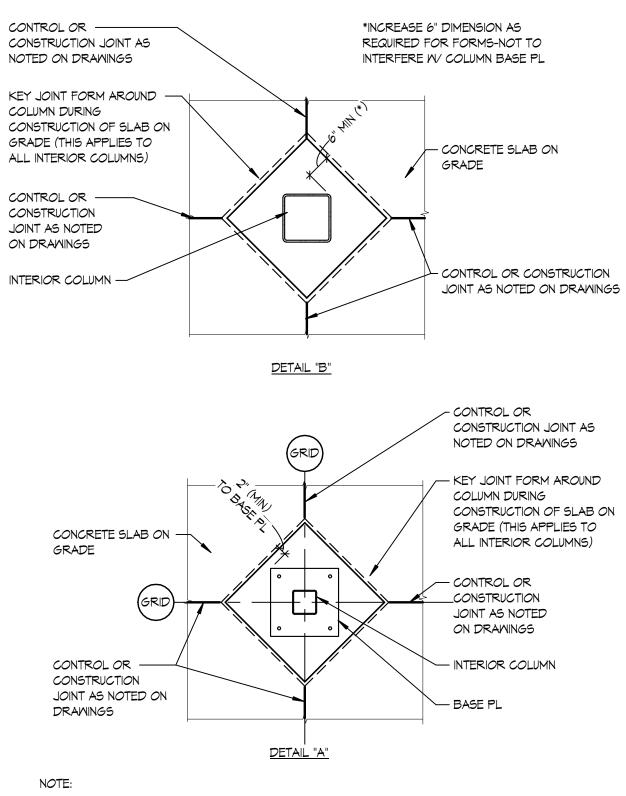


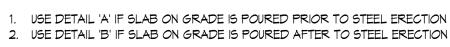




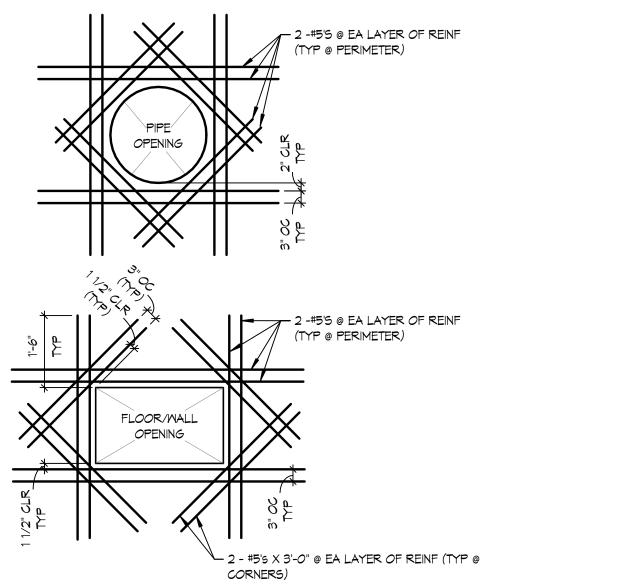




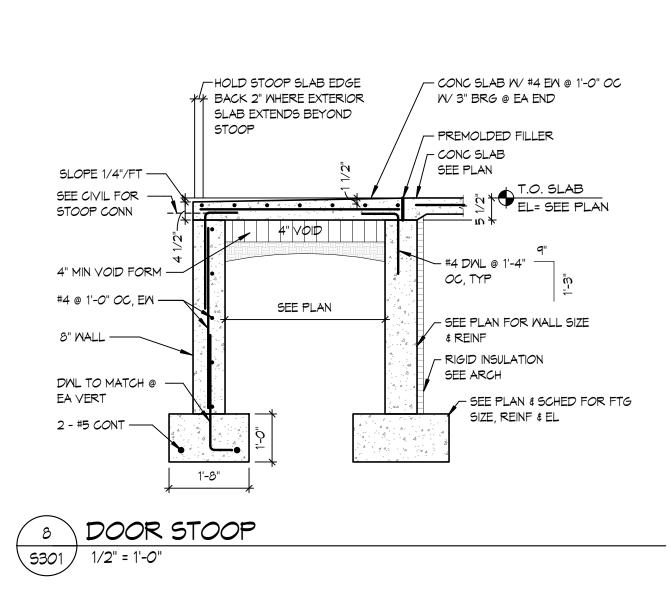


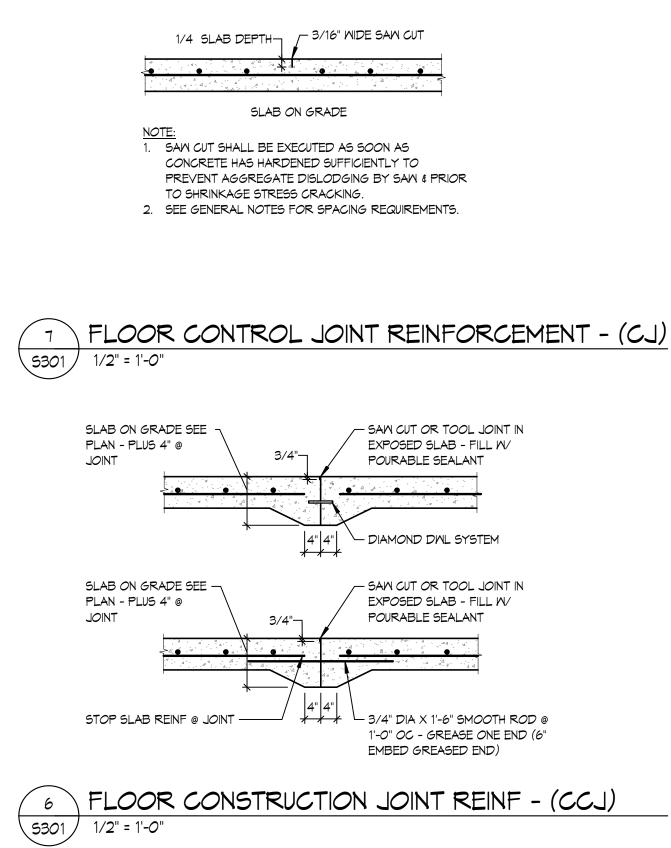












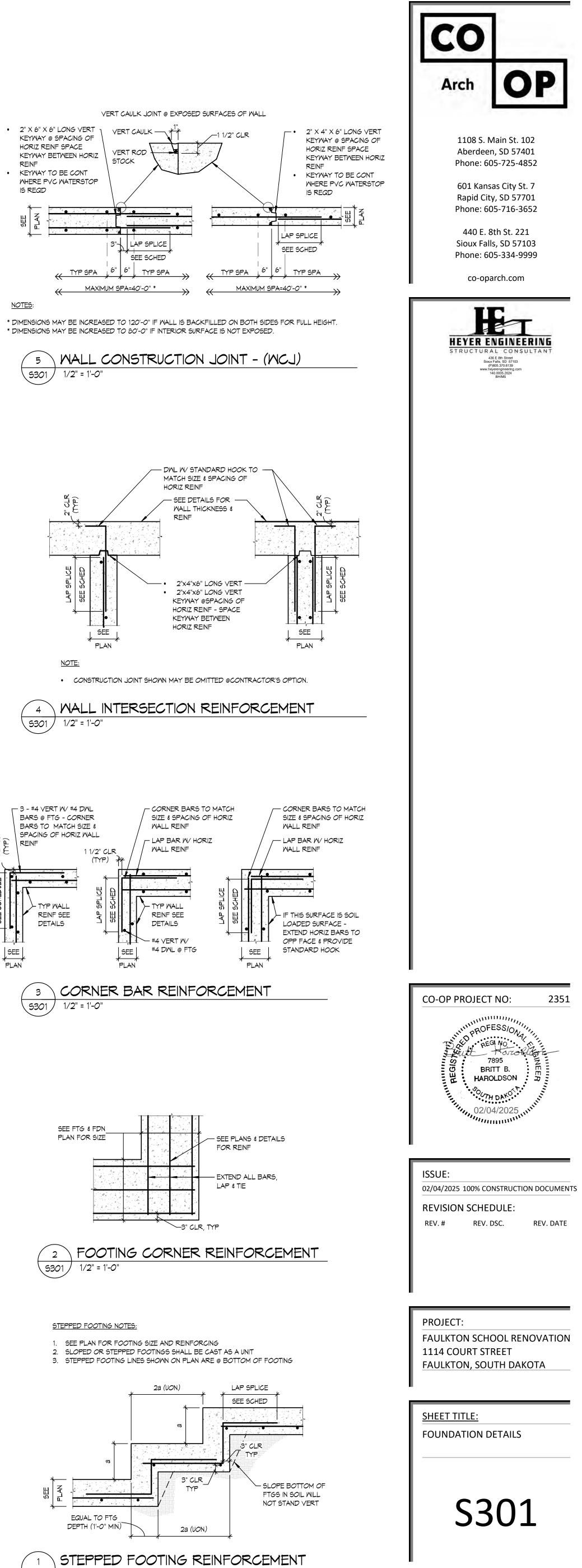


### — SAW CUT OR TOOL JOINT IN EXPOSED SLAB - FILL W/ POURABLE SEALANT

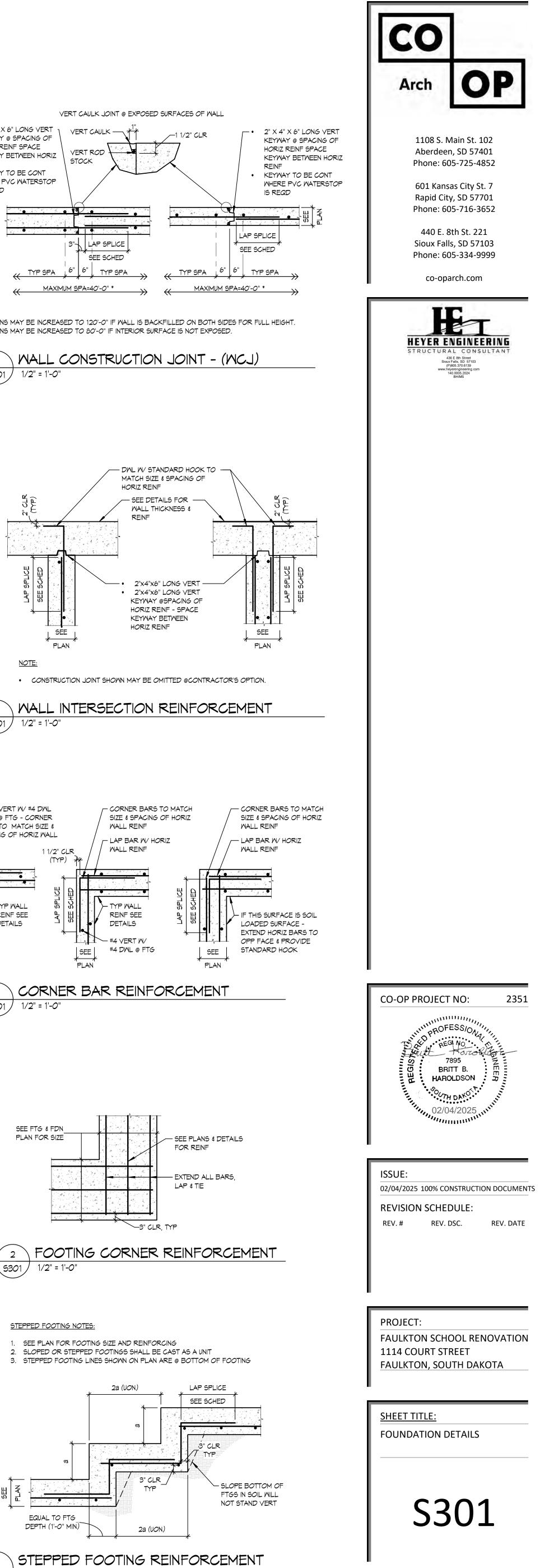
- DIAMOND DWL SYSTEM

### - SAW CUT OR TOOL JOINT IN EXPOSED SLAB - FILL W/ POURABLE SEALANT

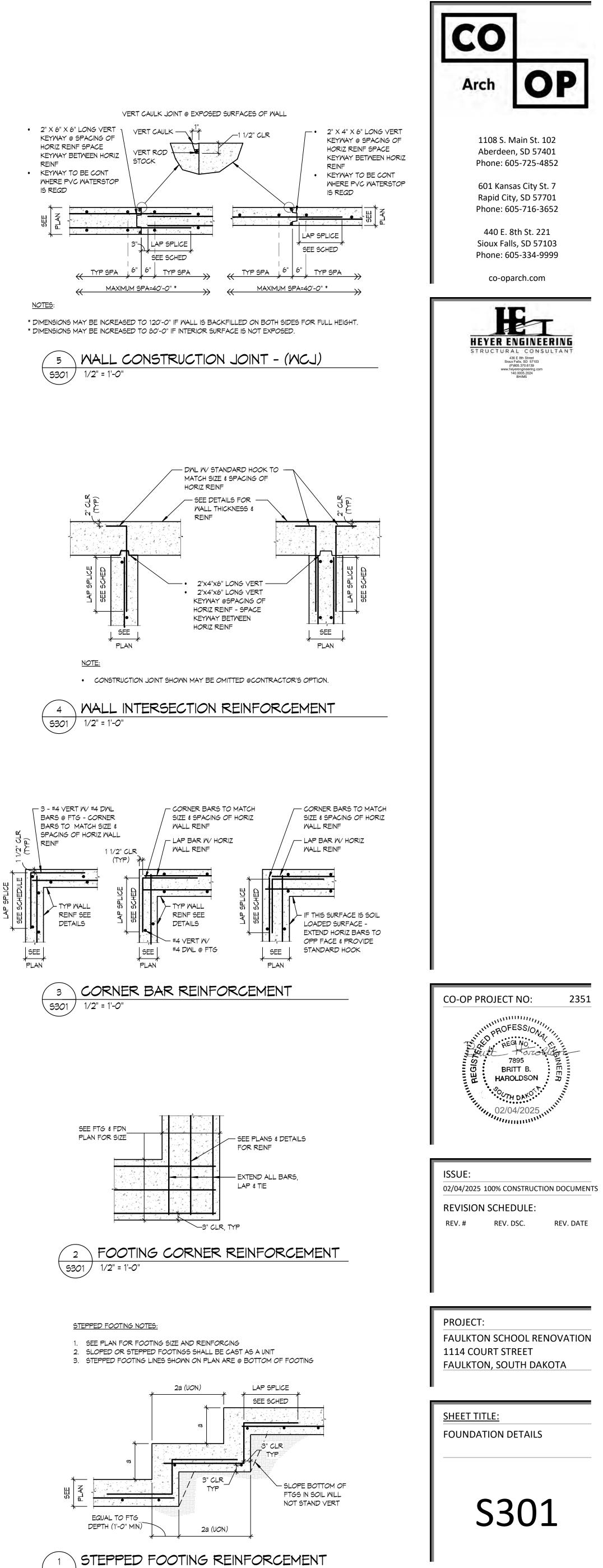
1'-O" OC - GREASE ONE END (6" EMBED GREASED END)

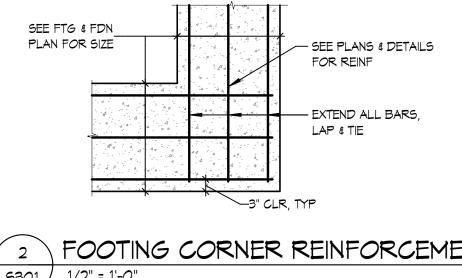


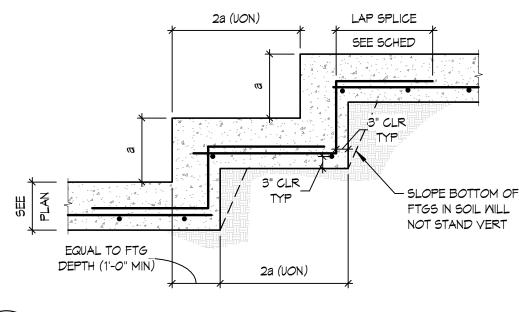








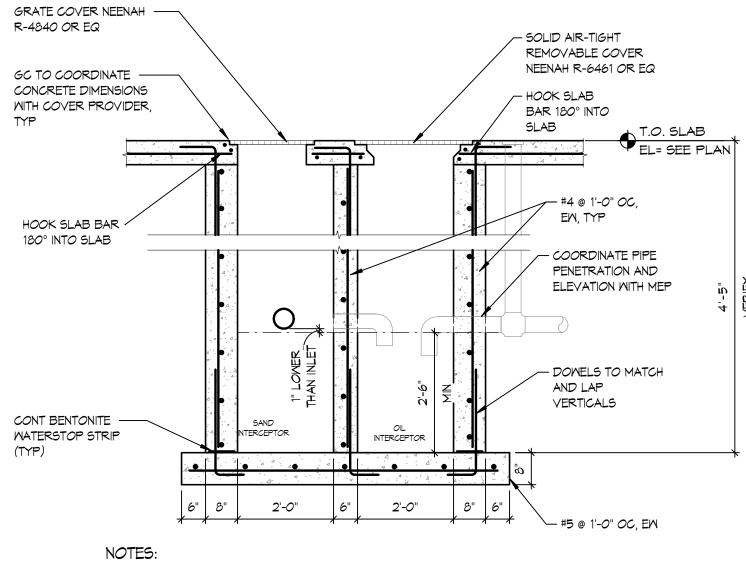




5301 1/2" = 1'-0"



EXISTING CONCRETE OC EACH WAY



1. ALL DIMENSIONS TO BE VERIFIED BY THE PLUMBING CONTRACTOR

AT 1'-0" DIA X12" SMOOTH ROD AT 1'-0" OC - GREASE ONE END (6" EMBED GREASED END) 

> 1 OIL/SAND INTERCEPTER PIT 5302 1/2" = 1'-0"

NOTES:

1. WALL AND FOOTING REINFORCING NOT SHOWN FOR CLARITY

\_\_\_\_\_

2" GHB MCNICHOLS SERRATED BAR GRATING OR APPROVED EQUIVALENT

╧╼┻

4" PVC WATERSTOP —

3 TRENCH DRAIN DETAIL 5302 1/2" = 1'-0"

#4 @ 2'-0" OC -----⁄

NEW BRICK INFILL —

#4 AT 48" WITH -----

CONCRETE ------BRICK LEDGE IF REQUIRED

#4 AT 16" EACH —

4" EMBEDMENT ------

2 CONCRETE BRICK LEDGE 5302 1/2" = 1'-0"

MAY

90 DEGREE HOOK

1'-0" MIN-BOTTOM-

SLOPES 1/8" PER FT

DRILL AND EPOXY 2-# 5x30" CENTERED IN EXISTING FOOTING (6" EMBEDMENT)

4 NEW FOOTING AT EXISTING FOOTING 5302 1/2" = 1'-0"

6" 1' - 0" 6"

TARCH T

2' - 8"

- EXISTING CONC WALL

- DRILL AND EPOXY #5x30" HORIZONTALS TO MATCH WALL

REINFORCING (4" EMBEDMENT)

2", CONT GALVANIZED L2x2x1/4 WITH 1/4"Фx3" HSA @ 3'-0" OC (EACH SIDE)

— #4 L-BAR @ 2'-0" OC

2- #4 CONT

- NEW WALL INFILL PER

1/5401

- 4" EMBEDMENT

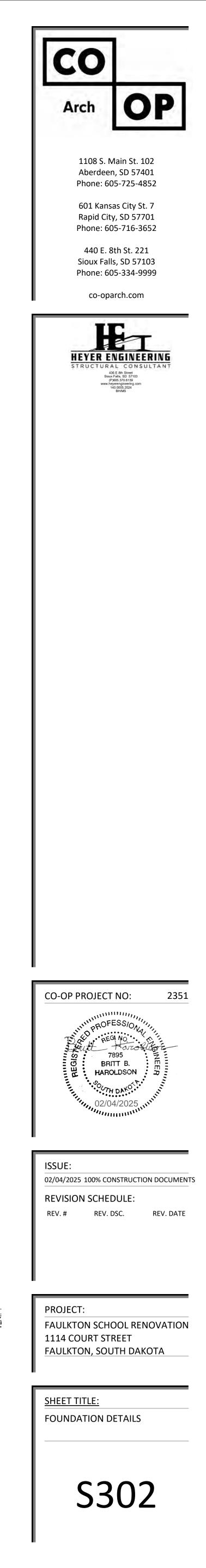
- EXISTING CONC OR CMU WALL

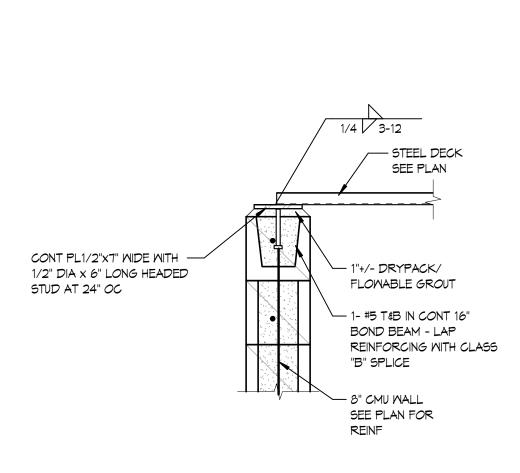
- EXISTING CONC FOOTING

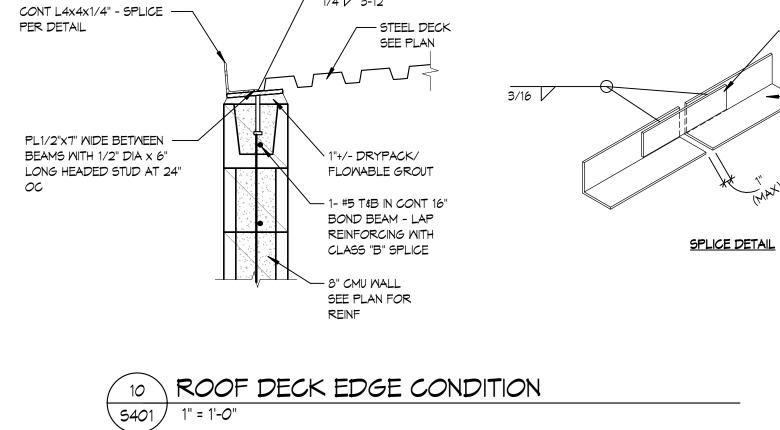
- #4 DOWELS # 2'-0" OC VARIES

8

- EXISTING CONC FOOTING

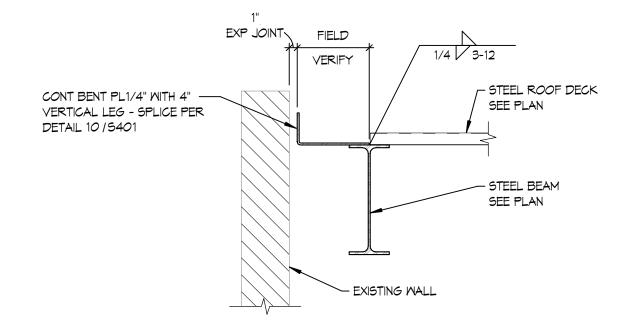


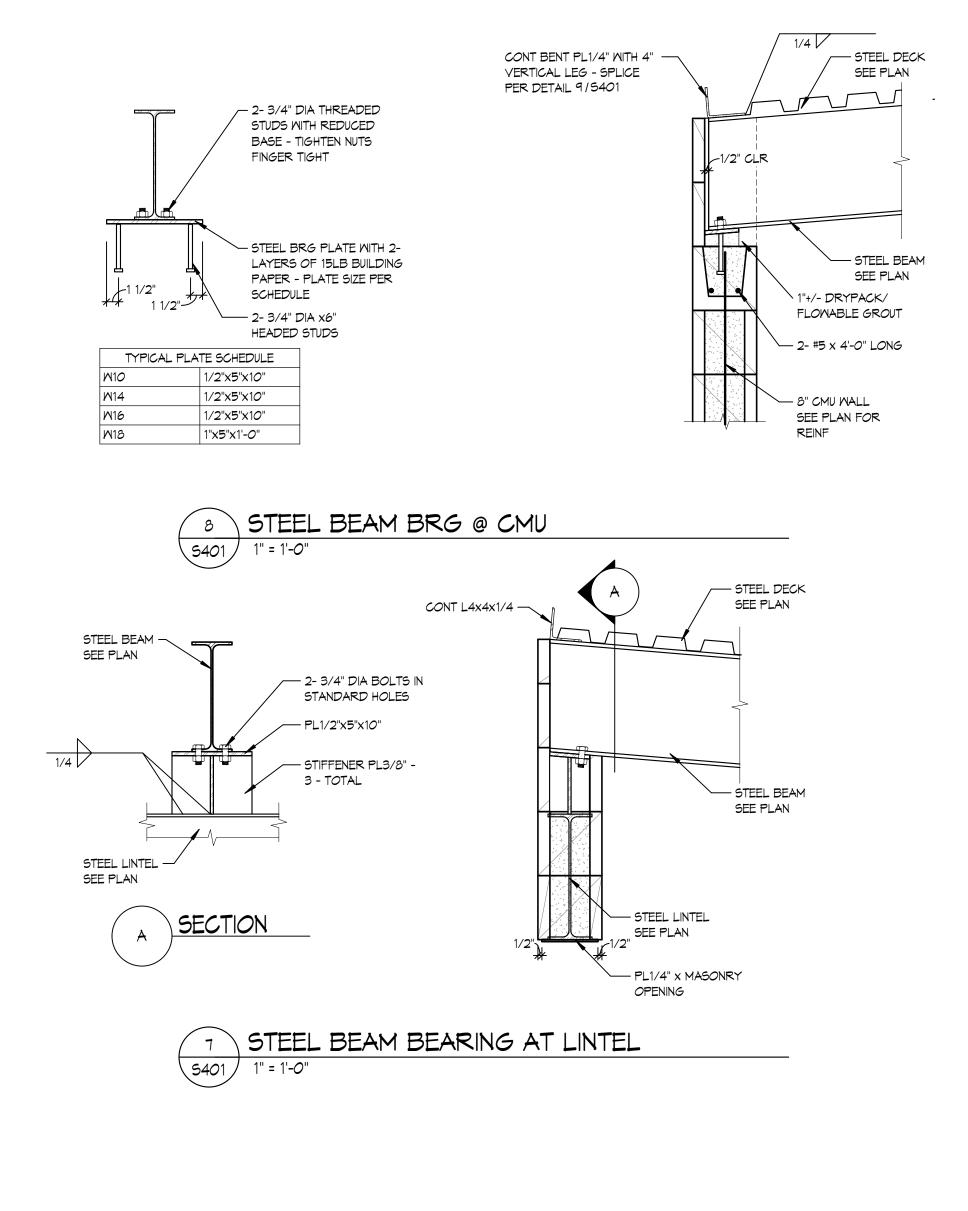


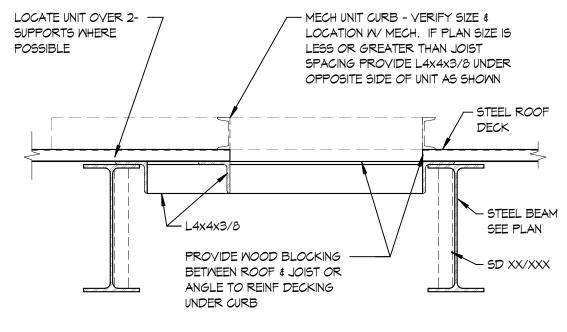




1/4 3-12



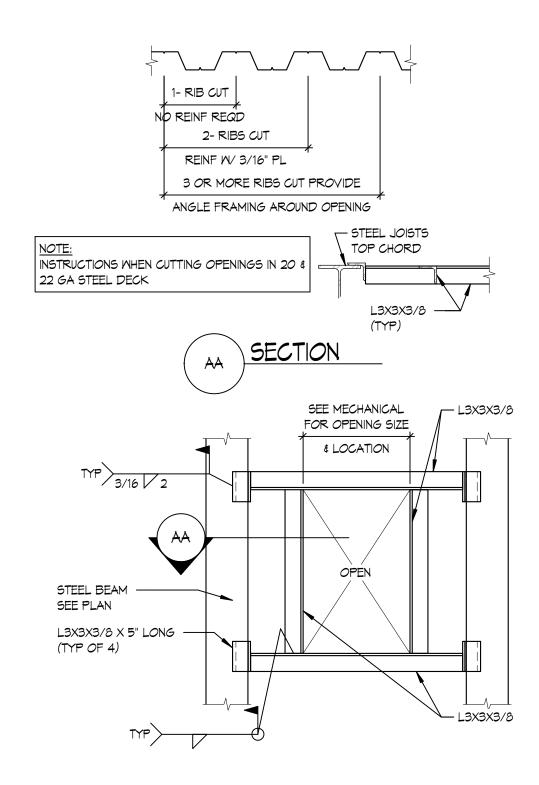


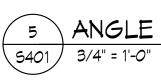


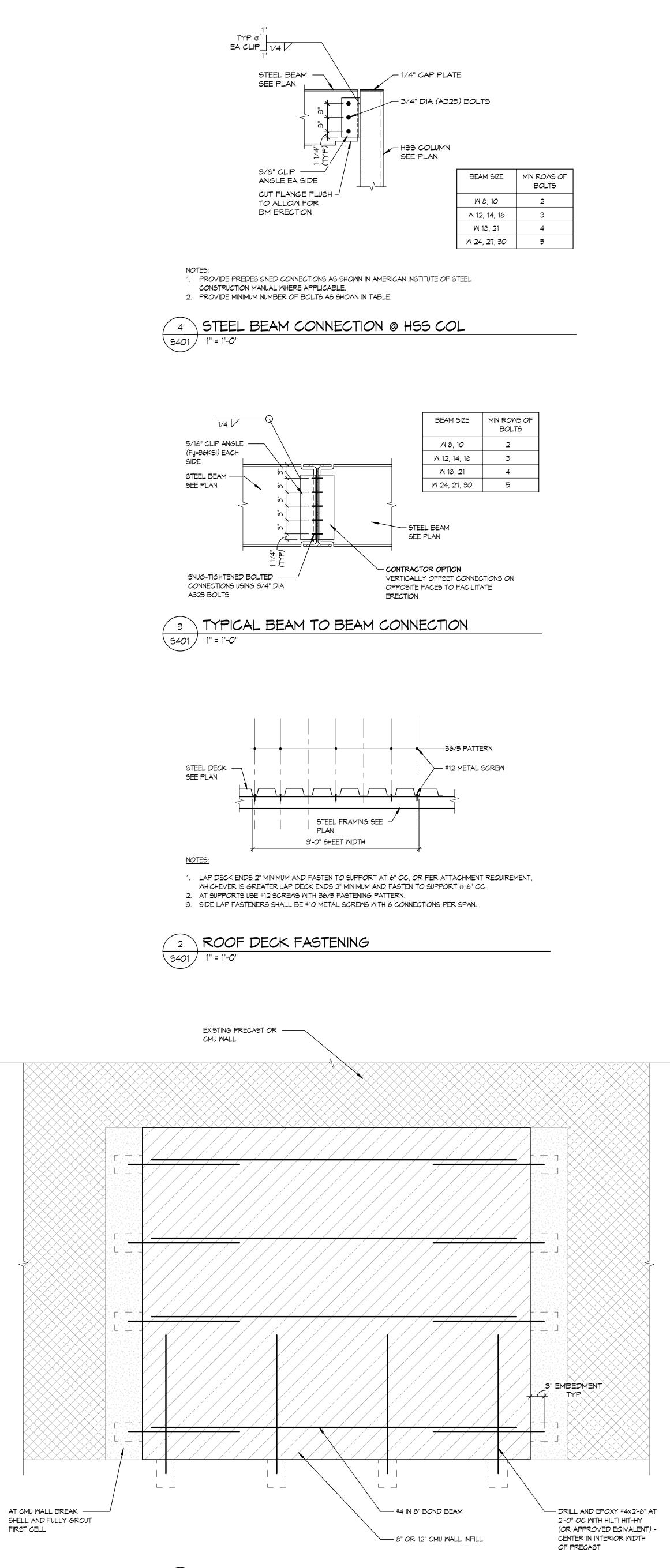


— PL 1/2x2x1'-0"

- STEEL LEDGER OR BENT EDGE PLATE AT ROOF DECK

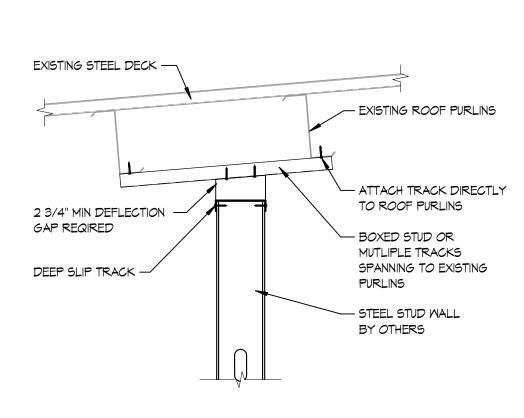




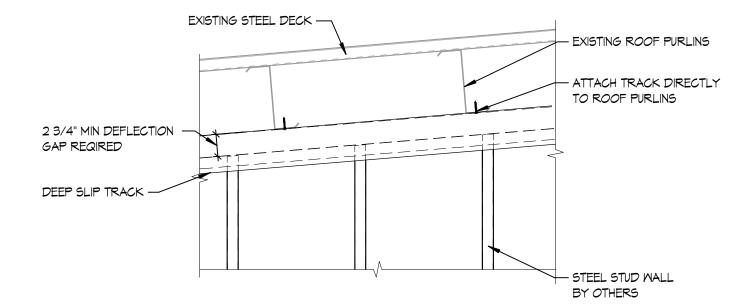


TYPICAL CMU WALL INFILL 
 5401
 1" = 1'-0"

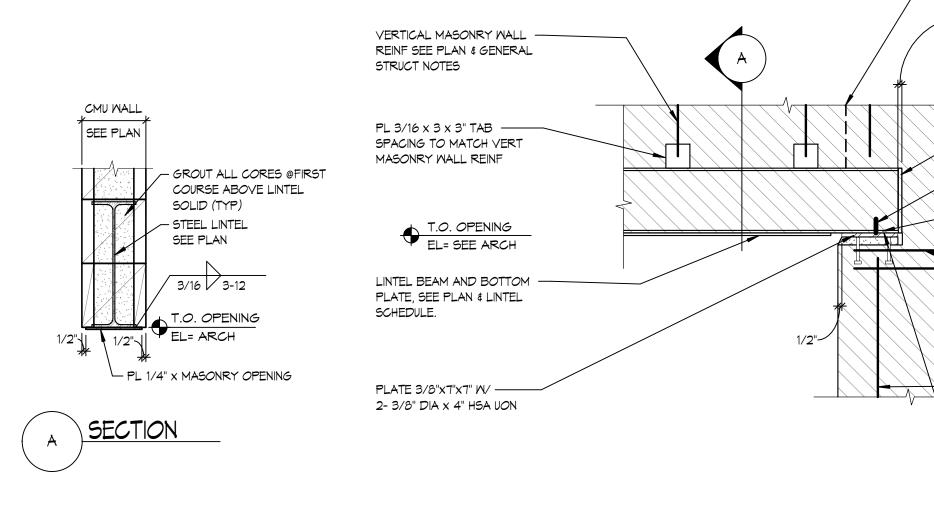
CO OP Arch 1108 S. Main St. 102 Aberdeen, SD 57401 Phone: 605-725-4852 601 Kansas City St. 7 Rapid City, SD 57701 Phone: 605-716-3652 440 E. 8th St. 221 Sioux Falls, SD 57103 Phone: 605-334-9999 co-oparch.com HE HEYER ENGINEERING STRUCTURAL CONSULTANT 436 E 8th Street Sloux Palls, SD 57103 (P)605.370.6139 www.heyerengineering.com 140.0005.2024 BH/MS CO-OP PROJECT NO: 2351 OFESS · REGINO Hartor 7895 BRITT B. HAROLDSON ISSUE: 02/04/2025 100% CONSTRUCTION DOCUMENTS **REVISION SCHEDULE:** REV. DATE REV. # REV. DSC. PROJECT: FAULKTON SCHOOL RENOVATION 1114 COURT STREET FAULKTON, SOUTH DAKOTA SHEET TITLE: FRAMING DETAILS S401



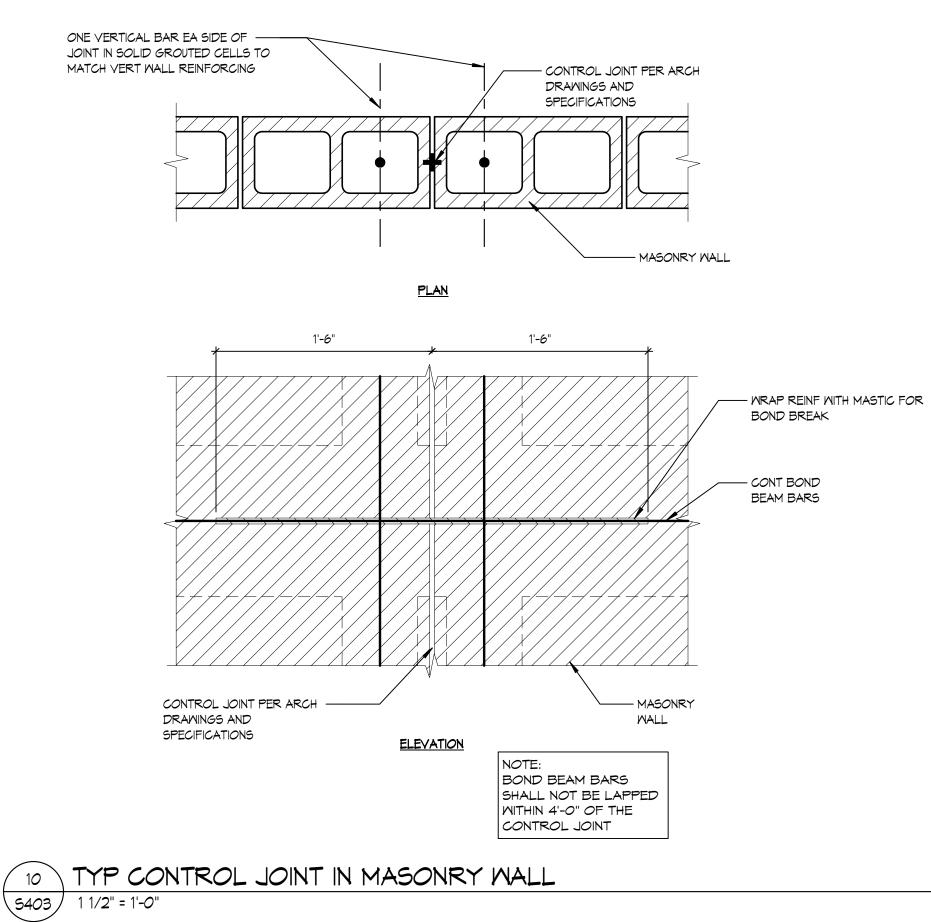
2 NON-BRG STEEL STUD WALL BRACING PERPENDICULAR TO PURLINS 5402 1" = 1'-0"

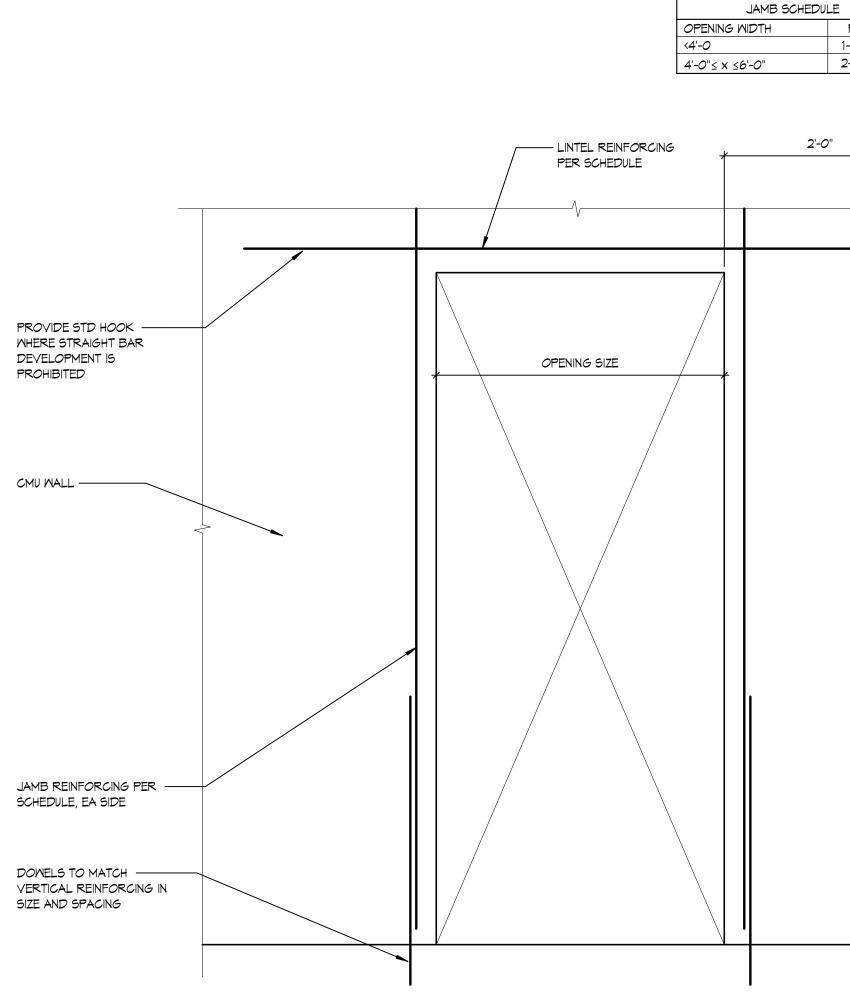


CO Arch **OP** 1108 S. Main St. 102 Aberdeen, SD 57401 Phone: 605-725-4852 601 Kansas City St. 7 Rapid City, SD 57701 Phone: 605-716-3652 440 E. 8th St. 221 Sioux Falls, SD 57103 Phone: 605-334-9999 co-oparch.com HEVER ENGINEERING STRUCTURAL CONSULTANT 496 Eth Street Stax Falls, 50 57103 (P)605.370.6139 www.heyeengineering.com 140.0005.2024 BHMS 2351 CO-OP PROJECT NO: 7895 BRITT B. HAROLDSON 2/04/2 ISSUE: 02/04/2025 100% CONSTRUCTION DOCUMENTS **REVISION SCHEDULE:** REV. DATE REV. # REV. DSC. PROJECT: FAULKTON SCHOOL RENOVATION 1114 COURT STREET FAULKTON, SOUTH DAKOTA <u>SHEET TITLE:</u> FRAMING DETAILS S402

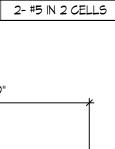




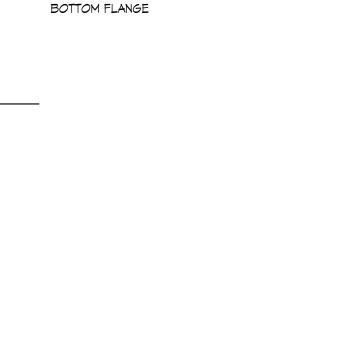








REINFORCING 1- #5 IN 2 CELLS



~ 2- #3x2'-4" HAIRPINS IN TOP 8" OF BEAM BEARING - JAMB REINF. SD — BOND BREAKER BETWEEN

BEARING PLATE AND

PLAN)

- 1 1/2" LONG HORIZONTALLY SLOTTED HOLE ON BEAM GAGE-EACH SIDE OF WEB — MASONRY WALL (SEE

STUDS ON BEAM GAGE (TIGHTEN NUTS FINGER TIGHT)

- 1/2" END PLATE

EXTEND BEAM 1" CLR OF PLATE

- MASONRY CONTROL JOINT - 2- 3/4" (D THREADED AUTOMATIC WELDED

MALL SOLID GROUT CELL ABOVE LINTEL - PACK VOID SOLID WITH MORTAR 1/4 - NEW MASONRY FACE SHELL - CONNTECT WITH VENEER TIES ATTACHED TO STEEL TUBE CONT PL3/8" - FIELD -VERIFY WIDTH WITH - NEW HSS8x6x3/8 - MIN ~1/2" BEARING 5" EA END OF EXISTING WALL VENEER SOLID GROUTED CELLS SECTION EXISTING MASONRY -----/--\_\_\_\_\_5" MIN MALL CONT PL3/8" - FIELD VERIFY WIDTH WITH EXISTING WALL VENEER AT JAMB - FLOOR LINE BELOW NEW STEEL LINTEL @ EXIST CMU WALL 8 5403 1" = 1'-*O*" MASONRY WALL -90 DEGREE HOOK AT ALL ---VERTICAL REINF ABOVE LINTEL NOTES: HEIGHT 'H' PER LINTEL SCHEDULE 2. WHERE THE LINTEL INTERSECTS AT PERPENDICULAR MASONRY WALL, BREAK OUT THE FACE SHELLS OF THE MASONRY WALL FULL HEIGHT OF THE LINTEL - HOOK LINTEL REINF 90 DEGREES AND GROUT SOLID B. EXTEND GROUT, MASONRY UNITS AND REINFORCING 2'-0" PAST EA JAMB. MASONRY LINTEL 7 5403 1" = 1'-*O*" INTERIOR MASONRY WALL JAMB SCHEDULE LINTEL CLEAR SPAN, L MALL L ≤ 4'-0"  $4'-\mathcal{O}'' < \mathsf{L} \leq \mathcal{B}'-\mathcal{O}''$ 2- #5 8'-0" < L ≤12'-0" 3- #5 JAMB WIDTH CLEAR SPAN

SEE SCHED

PLACE SCHEDULED BARS AT EACH \_\_\_\_\_/ JAMB, FULL HT.

STEEL LINTEL BEARING, GROUT SOLID

5403 1 1/2" = 1'-0"

JAMB WIDTH

SEE SCHED

- , **O** ,

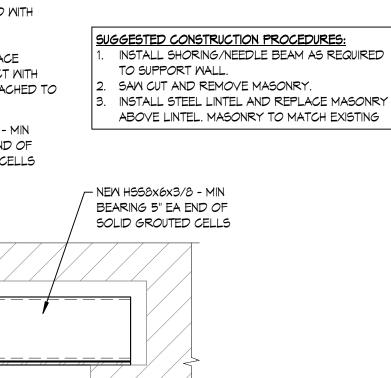
CENTER BAR IN CELL EQEQ <del>术 术 术</del> <u>SINGLE LAYER</u> - SEE PLAN FOR WALL REINF SIZE AND SPACING NOTES: LAY UP WALL 4'-0" HIGH PLACE REINFORCING BARS CONSOLIDATE. OF WALL. 

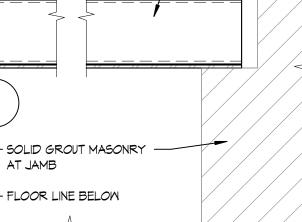
´ 5 ` 5403 1/2" = 1'-0"

MASONRY WALL REINFORCEMENT

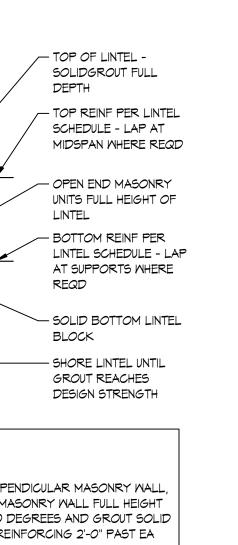
- EXISTING MASONRY

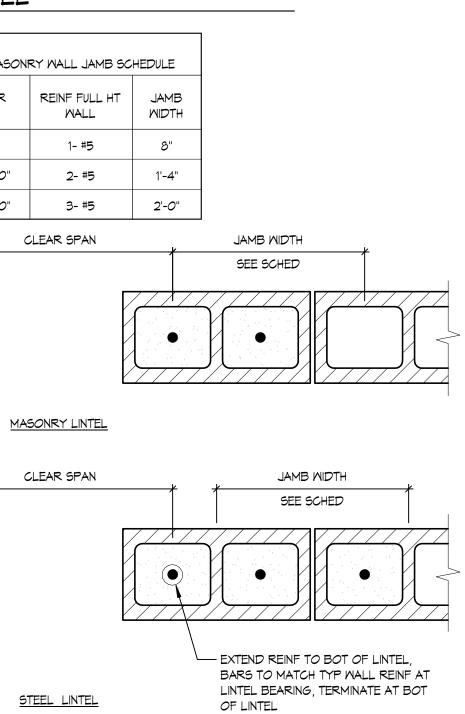




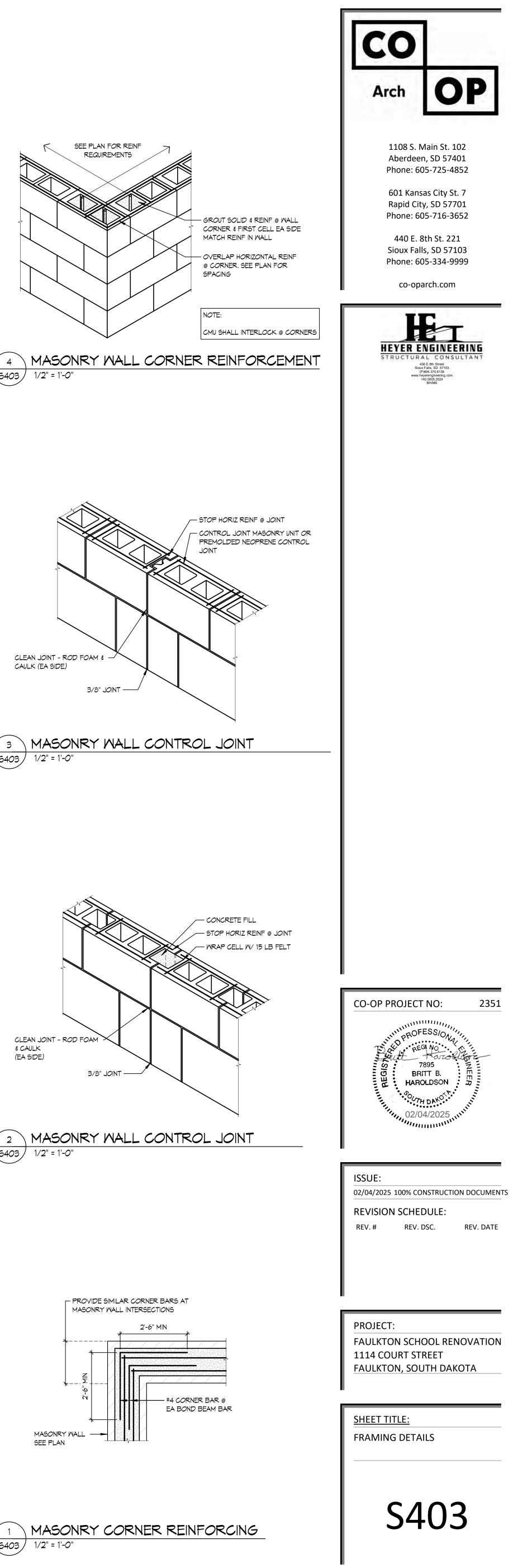


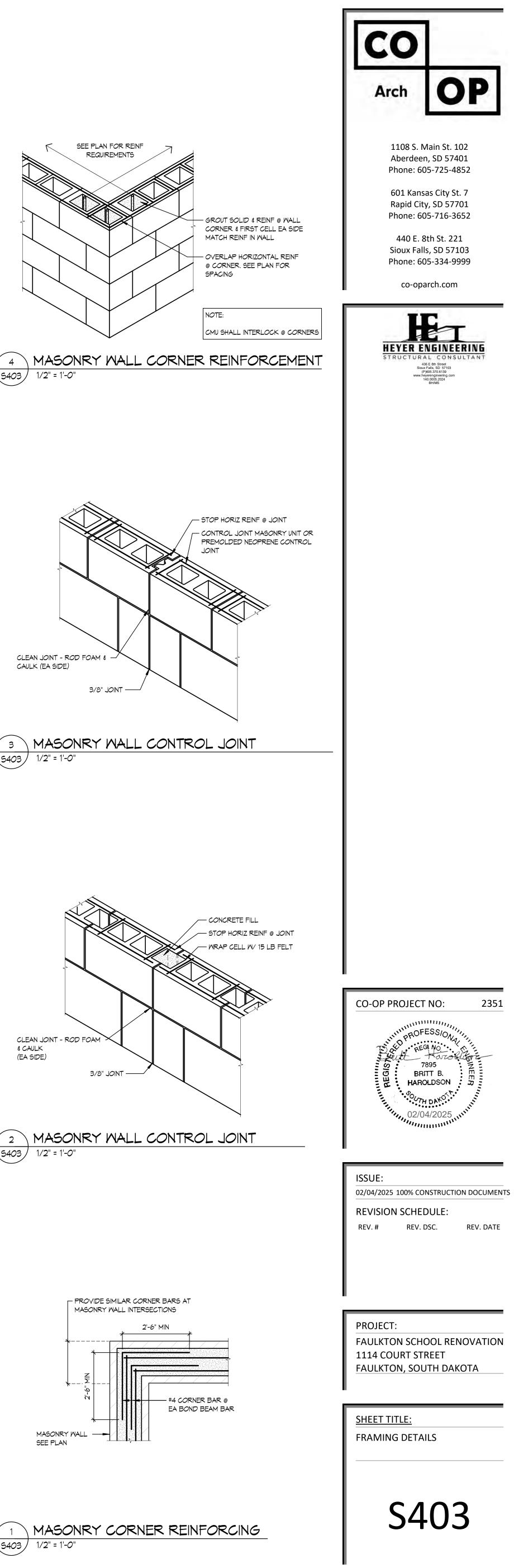


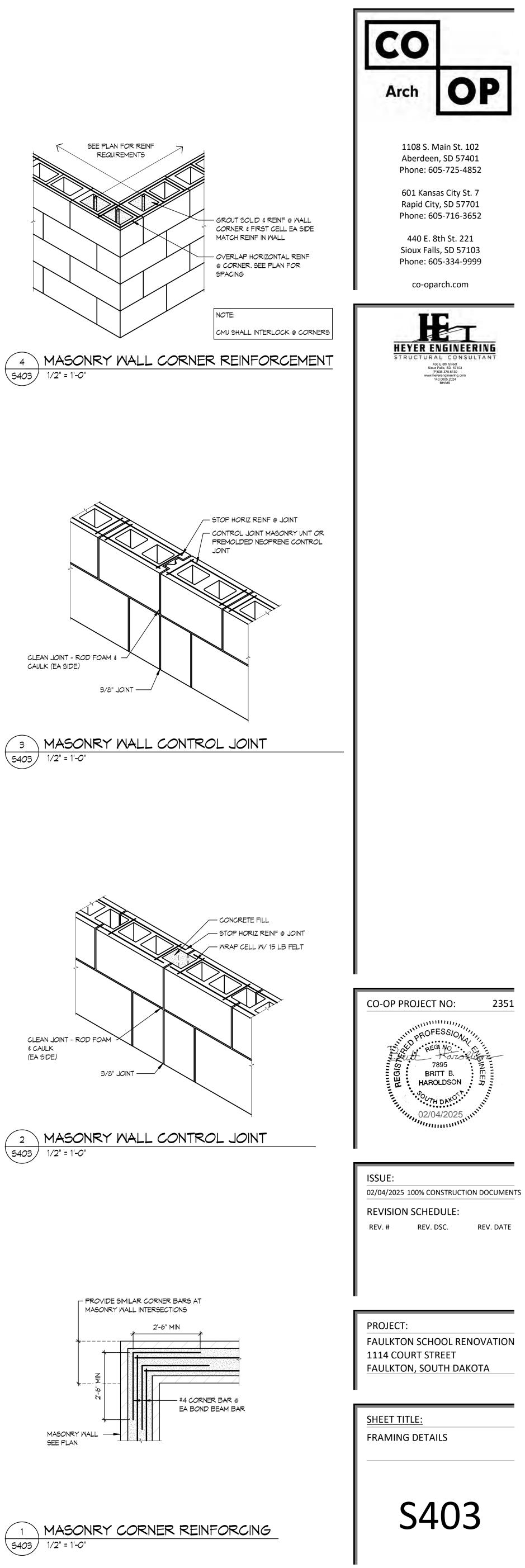


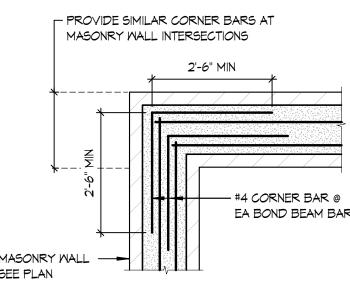


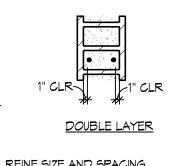


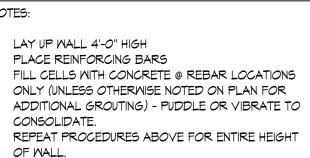


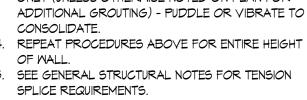












	MECHANICA	L LEGEND		
EXHAUST GRILLE	EQUIPMENT TAG EQUIPMENT NO.	# OF DETAIL	GREASE	GREASE WASTE
RETURN AIR GRILLE		WHERE DETAIL APPEARS	— — — — — UG· — — — — — — — — — — — — — — — — — — —	UNDERO NATURA UNDERO
	TRENCH DRAIN (TD)			— LIQUID F — VENT PI
SUPPLY AIR REGISTER	FLOOR DRAIN (FD)	<ul> <li># OF SHEET</li> <li>WHERE SECTION</li> <li>APPEARS</li> </ul>	LPS	LOW PR
FLEX DUCT	CLEAN OUT ( <u>CO</u> )	TEMPERATURE		DOMES
	ROOF DRAIN ( <u>RD</u> )	EXISTING (EXG)	CD	
EXHAUST	OVERFLOW ROOF	CONNECT TO EXISTING (EXG)	RO-CW SOFT-CW ST	REVERS SOFTEN STORM
T) THERMOSTAT Z ZONE STAT		CAST IRON PIPE (C.I.P.)	ST	
S SENSOR (H) HUMIDISTAT	IOI       OR ISO VALVE - (I.V.)         KI       BALANCE VALVE OR (TRV)	POWER ROOF VENTILATOR (PRV)	— — — — — RS- — — – ————RL	
ELBOW ELBOW UP DN	ZONE VOLUME MOTORIZED DAMPER DAMPER DAMPER	COMBINATION SMOKE & FIRE DAMPER	— — — - HWR — — - ————HWS	HEATING
RECT. DUCT NEG. PRESSURE	ZDVM	С	— — — – -GTR — — – — — — GTS — — — CWR — – –	Geothe Geothe Chilled
			CWR CWS CHR	
RECT. DUCT POS.	BD S	F	CHS	
ELBOW ELBOW UP DN	BACKDRAFT SMOKE DAMPER DAMPER D	FIRE DAMPER	CA	Compri Dental

SYMBOL	DESCRIPTION	SYMBOL
	DESCRIPTION	
\$ ¢	SINGLE POLE SWITCH THREE WAY SWITCH	##
\$ <b>3</b>		
\$ <b>4</b> \$	FOUR WAY SWITCH	
<sup>↓</sup> LV <sup>\$</sup> D	LOW VOLTAGE PUSH BUTTON SWITCH	∕ a,b
<sup>-</sup> D <sup>\$</sup> т	DIMMER SWITCH	
	TIMER SWITCH	
<sup>\$</sup> o	OCCUPANCY SENSOR	
<sup>\$</sup> Р	PILOT LIGHT SWITCH	PC
<sup>\$</sup> κ	KEYED SWITCH	Ř
<sup>\$</sup> F	VARIABLE SPEED FAN SWITCH	
OS1 ⇔	OCCUPANCY SENSOR - CEILING MOUNTED	\S∕
PR	POWER PACK FOR LOW VOLTAGE OCCUPANCY SENSOR	<b>Ø</b>
Φ	DUPLEX RECEPTACLE	
P	GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE	
$\oplus_{D1}$	DROP CORD RECEPTACLE (SEE DETAILS)	Ν
(	250V 4-WIRE RECEPTACLE	D
$\oplus$	DOUBLE DUPLEX RECEPTACLE	
$\mathbf{\Phi}$	TOP SWITCHED DUPLEX RECEPTACLE	
	SPECIAL OUTLET	NCCP
×× ▼	DATA/PHONE OUTLET XX INDICATES NO. OF JACKS	(T) (S)
54" ▽	WALL PHONE OUTLET	H
$\mathbf{V}$	CEILING DATA/PHONE OUTLET	
O◀	FLOOR BOX WITH POWER AND DATA	TC
$\odot$	FLOOR BOX WITH POWER ONLY	V
<sup>\$</sup> м	MANUAL MOTOR STARTER	T
$\bigcirc$	MOTOR CONNECTION	
VFD	VARIABLE FREQUENCY DRIVE	DH
		PB

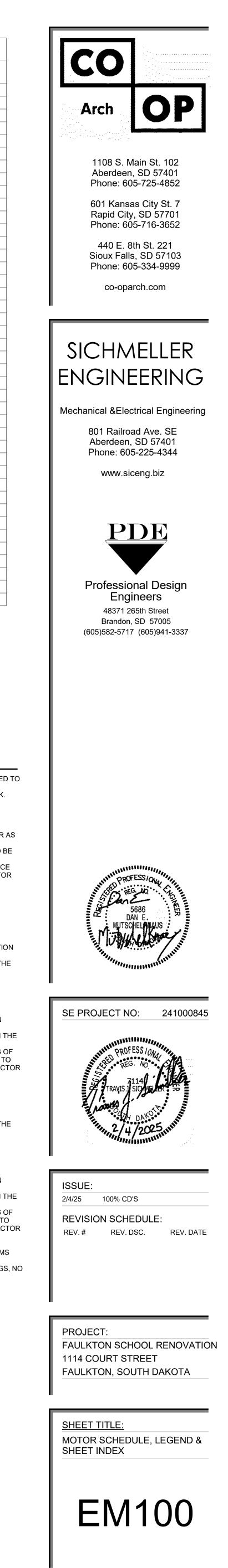
# ELECTRICAL LEGEND

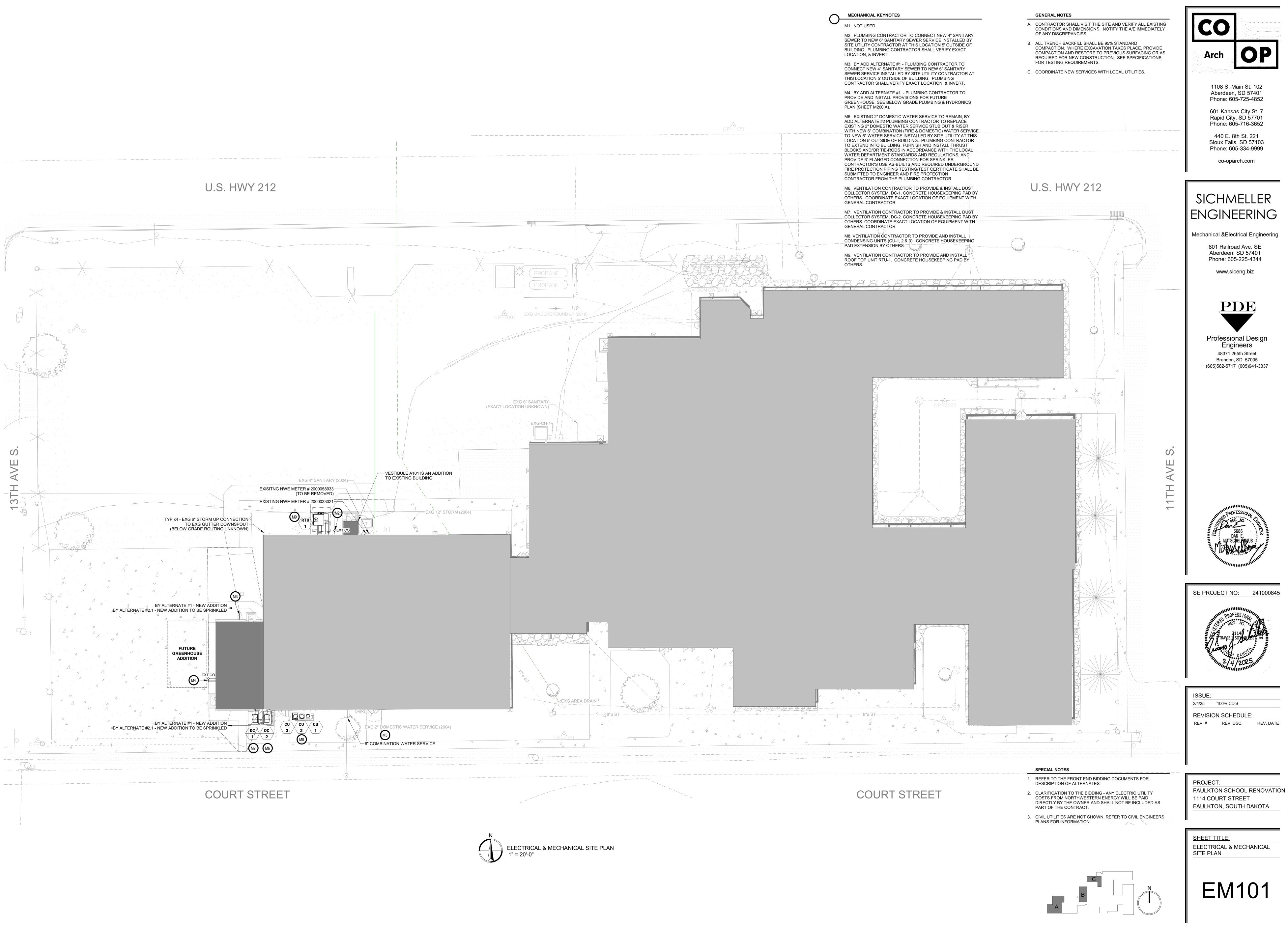
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
##	LIGHTING FIXTURE	2	SMOKE DETECTOR
	E = EMERGENCY BALLAST		HEAT DETECTOR (FT = FIXED TEM
	NL = NIGHT LIGHT ## = FIXTURE ID TAG	M	MANUAL PULL STATION
	a,b = CNTRL/RELAY ID TAG		WALL MOUNTED HORN/STROBE
/ a,b		H	CEILING MOUNTED HORN/STROBI
- <b>-</b>	UNDER CABINET FIXTURE	SH	SPEAKER/STROBE
	WALL MOUNTED FIXTURE	×	STROBE ONLY XX CANDELA RATIN
	RECESSED FIXTURE	$\sqrt{s7}$	FIRE ALARM WALL SPEAKER
PC	PHOTO CONTROL		
ř	SECURITY CAMERA	(S) <sub>FA</sub>	FIRE ALARM CEILING SPEAKER
⊔ ∖s7		FACP	FIRE ALARM CONTROL PANEL
$\vee$	WALL SPEAKER	ANNC	FIRE ALARM ANNUNCIATOR PANE
$\nabla$	EXIT FIXTURE	TS	TAMPER SWITCH
	EMERGENCY WALL PACK	FS	FLOW SWITCH
н С	POLE MOUNTED LIGHT FIXTURE	BT	BEAM TRANSMITTER
(C)⊣	CLOCK		
Ν	NURSE CALL PULL STATION	REC	BEAM RECEIVER
D	NURSE CALL DUTY STATION	SD	SMOKE DAMPER
N	NURSE CALL CORRIDOR LIGHT	MD	MOTORIZED DAMPER
NCCP	NURSE CALL CONTROL PANEL	DSD	DUCT SMOKE DETECTOR
T	THERMOSTAT	DS	DOOR STRIKE
S	INTERCOM SPEAKER	CR	CARD READER/KEYPAD
Η	INTERCOM CALL STATION		DISCONNECT (F = FUSED)
	JUNCTION BOX		COMBINATION STARTER
TC	TIME CLOCK	R	RELAY
	VOLUME CONTROL	WG	CONNECT TO EXISTING WIRE GUARD
		WG	WIRE GOARD WEATHER PROOF
Т	TRANSFORMER	AC	ABOVE COUNTER
$\langle TV \rangle$	CABLE TV - ONE CAT6 & ONE COAX CABLE	UC	UNDER COUNTER
		UPS	UNINTERRUPTIBLE POWER SUPP
DH	DOOR HOLDER	EXG	EXISTING
PB	PUSH BUTTON DOOR OPERATOR	MON	
· -		DSE TGL	DENTAL EQUIPMENT SUPPLIER TOGGLE MOTOR RATED SWITCH

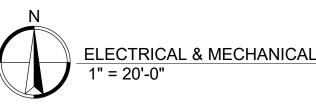
	HVAC	EQUIPMI	ENT	C	DOR	DI	NAT	. <b>IO</b>	N 8	k M	ото	DR SCHEDULE EC = ELECTRI PC = PLUMBIN VC = VENTILA	G/HYDR TION C	ONICS CO	ONTRACTO OR	
		LOCATION			SE	E SPE	CS	:		TCH Matio	N	TC = TEMPERA		(F)	POWEF CYC	8 60
EQUIPMENT NUMBER	ISE	MOTOR	CONTROLLER BY	DISCONNECT SWITCH BY	POWER WIRING BY	CONTROL WIRING BY	TEMP. CONTROLL WIRING BY	THERMOSTAT BY	AQUASTAT BY	SPEED SELECT SWITCH BY	TIME CLOCK BY	NOTES	FIRE ALARM INTERLOCK REQUIRED	HP OR WATTAGE (KW) OR FRACTIONAL (	VOLTAGE	PHASE
HC - 1	AREA A - HEATING COIL - FC-1	SEE PLANS					тс					CONTROLLED BY FC-1				
HC-2	AREA B - HEATING COIL - FC-2	SEE PLANS					TC					CONTROLLED BY FC-2				
HC-3 HC-4	AREA B - HEATING COIL - FC-3	SEE PLANS					тс тс					CONTROLLED BY FC-3				
HC-5	AREA B - HEATING COIL - BAND ROOM EXG AHU-3	SEE PLANS					тс	тс								
HC-6	AREA B - HEATING COIL - BAND OFFICE EXG AHU-3	SEE PLANS					тс	тс								
HC-7	AREA B - HEATING COIL - BAND PRACTICE & STORAGE EXG AHU-3	SEE PLANS					тс	тс								
HC-8	AREA B - HEATING COIL - CORRIDOR EXG AHU-3	SEE PLANS					тс	тс								
HC-9	AREA B - HEATING COIL - LOCKER ROOM EXG AHU-3	SEE PLANS					тс	тс								
EXG AHU-3	AREA B - HEATING/VENTILATION - EXG LOCKER ROOM & NEW BAND ROOM	EXG MECH RM	E	XG	EXG		тс					DUCT SMOKE DETECTOR SHUTDOWNS BY EC; CO2/HUMIDITY DUCT SENSOR IN RET AIR; EXG VFD	Y	EXG 5	EXG 208	EXG 3
FC-1	AREA A - HVAC - CLASSROOM A111 & CORRIDOR A103	EXG MECH RM		EC	EC		тс	тс				T-STAT/CO2/HUMIDITY SPACE SENSOR CONTROL		(F)	208	1
CU-1	AREA A - AIR COOLED CONDENSING UNIT FOR FC-1	EXTERIOR		EC	EC		тс								208	1
FC-2	AREA A - HEATING/VENTILATION - WOOD SHOP A113	EXG MECH RM		EC	EC		тс	тс				T-STAT/CO2/HUMIDITY SPACE SENSOR CONTROL		(F)	208	1
CU-2	AREA A - AIR COOLED CONDENSING UNIT FOR FC-2 SERVING WELDING SHOP	EXTERIOR		EC	EC		тс								208	1
FC-3	AREA A - HEATING/VENTILATION - METAL SHOP A114 & MECH A110 AREA A - AIR COOLED CONDENSING UNIT	EXG MECH RM		EC	EC		тс	тс				T-STAT/CO2/HUMIDITY SPACE SENSOR CONTROL	-	(F)	208	1
CU-3	FOR FC-3 SERVING WOOD SHOP	EXTERIOR	-	EC	EC		TC	-					-		208	1
RF-1	AREA A - FC-1, FC-2, FC-3 RELIEF AIR	EXTERIOR UPPER MECH		VC	EC		TC							(F)	120	1
AHU-1	AREA C - HVAC - SUPPLY FAN	ROOM UPPER MECH		.с 	EC EC		тс тс	тс тс				DUCT SMOKE DETECTOR SHUTDOWN BY EC; DUCT MOUNTED CO2/HUMIDITY SENSORS; VFD PROVIDED BY TC, INSTALLED BY EC	Y	5	208	3
VAV-1	HVAC - CORRIDOR C102 & VEST C100	ROOM SEE PLAN	тс		E0		тс	тс					r 		208	
VAV-1 VAV-2	HVAC - CLASSROOM C104	SEE PLAN	тс				тс	тс								
VAV-2 VAV-3	HVAC - CLASSROOM C104	SEE PLAN	тс				тс	тс								
VAV-3	HVAC - CLASSROOM C108	SEE PLAN	тс				тс	тс								
VAV-4 VAV-5	HVAC - DRESSING C110E	SEE PLAN	тс				тс	тс								
VAV-5	HVAC - CLASSROOM C117	SEE PLAN	тс				тс	тс								
VAV-0	HVAC - CLASSROOM C118	SEE PLAN	тс				тс	тс								
VAV-7	HVAC - MECH C119 &	SEE PLAN	тс				тс	тс								
RTU-1	CORRIDOR 120 AREA A - HVAC - WRESTLING ROOM A102 & VESTIBULE A101	EXTERIOR (GROUND MTD)		vc	EC		тс	тс				DUCT SMOKE DETECTOR SHUTDOWN BY EC; T-STAT/CO2/HUMIDITY SPACE SENSOR CONTROL;	Y	2 2	208	3
CUH-1	AREA A - HEATING - VESTIBULE A101	VEST A101		PC	EC		тс	тс				FACTORY INSTALLED VFD		(F)	120	1
CUH-2	AREA C - HEATING - VESTIBULE C100	VEST C100		PC	EC		тс	тс						(F)	120	1
EXG EF-1	AREA A - EXHAUST - EXISTING LOCKER ROOMS & EXERCISE ROOM	EXG MECH		EXG	EXG		EXG							(F)	120	1
EF-1 EF-2	AREA A - EXHAUST - PROJECT ROOM A112	EXG WALL		VC	EC		тс					LIGHTED PILOT SWITCH BY EC		(F)	120	1
EF-3	EXHAUST - AREA C LOCKER ROOM	AREA C ROOF		vc	EC		тс							(F)	120	1
EF-4	EXHAUST - RANGEHOOD EXHAUST	AREA C ROOF		EC	EC	EC						ADA WALL SWITCH BY EC.		(F)	120	1
EXG EF-A	EXHAUST - AREA B LOCKER ROOMS	AREA B ROOF		EXG	EXG		тс							(F)	120	1
EXG EF-B	EXHAUST - AREA B ROOMS	AREA B ROOF		EXG	EXG		тс							(F)	120	1
EXG WH	AREA A - DOMESTIC HOT WATER ELECTRIC	EXG MECH		EXG	EXG									EXG (90)	EXG 208	EXG 3
EXG CP	AREA A - EXISTING BUILDING DOMESTIC HOT WATER RECIRC. 120°F	EXG MECH		EXG	EXG				EXG			EXG AQUASTAT CONTROL TO REMAIN		EXG (F)	EXG 120	EXG 1
HD-1	AREA A - PLASMA TABLE EXHAUST	WELDING/MACH SHOP														
HD-2	AREA A - WELDING STATION EXHAUST (MULTIPLE)	WELDING/MACH SHOP														
	EXISTING RELOCATED AIR COMPRESSOR - METAL & WOOD SHOPS			EC	EC							SALVAGED AND REINSTALLED BY PC		5	208	1
	COMPRESSED AIR REFRIGERATED DRYER	MECH A110		PC								CORD CONNECTED			120	1
EXG AC-1	AREA A - EXG RELOCATED AIR CLEANER - WELDING/METALS SHOP	WELDING/ METALS SHOP		EC	EC	EC						SALVAGED AND REINSTALLED BY VC;		(F)	120	1
EXG AC-2	AREA A - EXG RELOCATED AIR CLEANER - WELDING/METALS SHOP	WELDING/ METALS SHOP		EC	EC	EC						CORD CONNECTED; LIGHTED PILOT SWICH BY EC.		(F)	120	1
DC-1	AREA A - DUST COLLECTOR - WOOD SHOP A113	EXTERIOR	vc	EC	EC	EC						FACTORY PROVIDED MOTOR STARTER AND CONTROL PANEL(S) BY VC, INSTALLED BY EC, SEPARATE 120V CIRCUIT BY EC TO CONTROL PANEL FACTORY PROVIDED MOTOR STARTER AND		7.5	208	3
DC-2	AREA A - DUST COLLECTOR - METAL SHOP A114	EXTERIOR	vc	EC	EC	EC						CONTROL PANEL(S) BY VC, INSTALLED BY EC, SEPARATE 120V CIRCUIT BY EC TO CONTROL PANEL, PC TO PROVIDE 1" COMPRESSED AIR PIPING		25	208	3
CP-1	AREA A - CIRCULATING PUMP -	WOOD SHOP		EC	BY EC	ADD	ALTEF	TC						(F)	120	1
INFLOOR	IN-FLOOR HEAT ZONES	ADDIT A121 WOOD SHOP	-													
HEAT ZONE 1 INFLOOR	HEATING - WOOD SHOP ADDITION A121	ADDIT A121					TC	TC				AIR AND SLAB STAT BY TC				
INFLOOR HEAT ZONE 2	HEATING - METAL SHOP ADDITION A124	WOOD SHOP ADDIT A121 SHOP					тс	тс				AIR AND SLAB STAT BY TC				
EF-5	AREA A - SHOP ADDITION NO2CO EXHAUST	ADDITION SIDEWALL		vc	EC		тс					HOA SWITCH BY TC, GAS DETECTION		(F)	120	1
SF-1	AREA A - SHOP ADDITION SUPPLY AIR	SHOP ADDITION SIDEWALL		vc	EC		тс					SYSTEM PROVIDED & INSTALLED BY TC		(F)	120	1

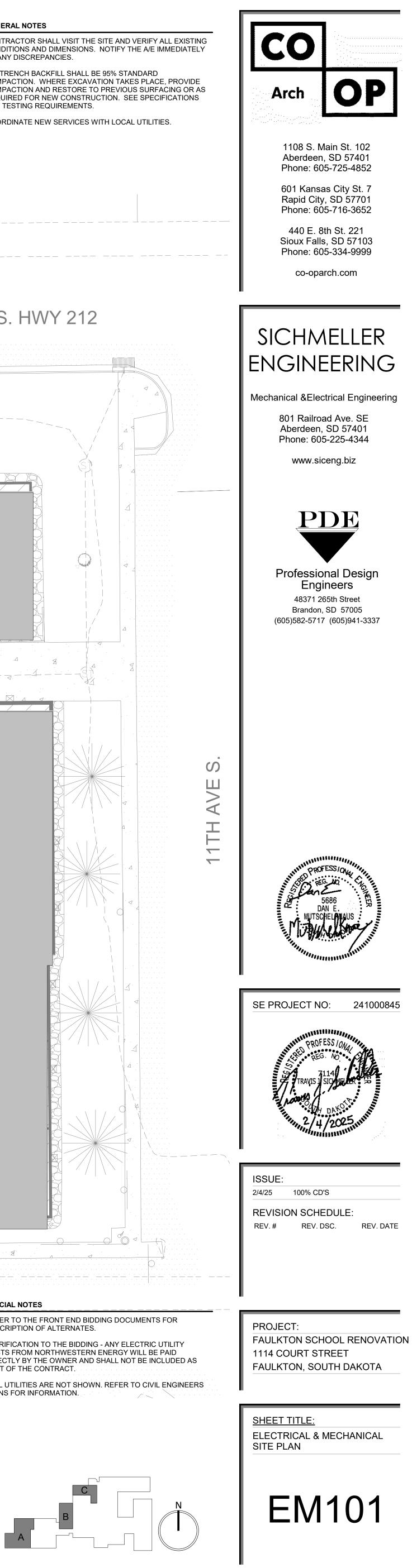
	ELECTRICAL & MECHANICAL SHEET INDEX
Sheet Number	Sheet Name
EM100	MOTOR SCHEDULE, LEGEND & SHEET INDEX
EM101	ELECTRICAL & MECHANICAL SITE PLAN
M102	MECHANICAL ROOF PLAN
M200.A	DEMO & PROPOSED - AREA A - BELOW GRADE PLUMBING PLAN
M200.B	DEMO & PROPOSED - AREA B - BELOW GRADE PLUMBING PLAN
M200.C	DEMO & 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 C - 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 FLOOR 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
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

- 1. IN AREAS WHERE EXISTING CEILINGS ARE TO REMAIN, EACH TRADE SHALL BE RESPONSIBLE FOR ANY DAMAGE OR REPAIR NEEDED TO EXISTING CEILINGS AS A RESULT OF THEIR WORK. 2. EACH TRADE SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING AS NECESSARY TO ALLOW FOR COMPLETION OF THEIR WORK. REFER TO ARCHITECTURAL PLANS FOR SELECTIVE DEMOLITION BY OTHERS. 3. ALL CONTRACTORS SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY
- THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES. 4. ALL ROOFING WORK BY ROOFING CONTRACTOR, ALL TRADES TO COORDINATE.
- 5. 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 SCHEDULE 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. 6. ALL DDC TEMPERATURE CONTROL WORK TO BE COMPLETED BY JOHNSON CONTROLS (CONTACT GREG HINTGEN 605-362-5315). 7. GLYCOL SOLUTION:
- A. EXISTING HEATING WATER SYSTEM: a. EXISTING HEATING WATER SYSTEM SOLUTION IS 30% DOWFROST HD PROPYLENE GLYCOL. ANY NEW GLYCOL SOLUTION REQUIRED TO BE ADDED TO THE SYSTEM FOR PROPOSED WORK TO BE THE SAME MANUFACTURER, TYPE, AND CONCENTRATION.
- b. SYSTEM VOLUME: EXISTING: 1,400 GALLONS; PROPOSED ADDITION TO SYSTEM (BASE BID): 50 GALLONS; PROPOSED ADDITION TO SYSTEM (ADD ALT #1): 50 GALLONS. c. PRIOR TO ANY PROPOSED WORK, THE PLUMBING/HYDRONICS CONTRACTOR SHALL PROVIDE A COMPLETE ANALYSIS OF THE EXISTING HEATING WATER SYSTEM TO DETERMINE EXACT GLYCOL AND COMPOSITION, ETC. SUBMIT ANALYSIS/RECOMMENDATIONS TO SICHMELLER ENGINEERING & OWNER. OWNER TO PROVIDE ANY RECOMMENDED
- ADJUSTMENTS TO EXISTING. THE PLUMBING/HYDRONICS CONTRACTOR SHALL BE RESPONSIBLE TO PUMP IN THESE ADJUSTMENTS. RETEST UNTIL EXISTING SOLUTION ANALYSIS IS SATISFACTORY. d. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR DRAINING AND STORING THE EXISTING GLYCOL SOLUTION AS REQUIRED FOR COMPLETION OF THEIR WORK.
- e. THE EXISTING SYSTEM SHALL BE DRAINED AS NECESSARY FOR PROPOSED DEMOLITION, NO CLEANING AND FLUSHING ON EXISTING PIPING. f. UPON COMPLETION OF THE PROPOSED WORK, THE EXISTING GLYCOL SOLUTION SHALL BE PUMPED BACK IN ALONG WITH THE OWNER PROVIDED ADJUSTMENTS AND PROPOSED SYSTEM SOLUTION.
- g. AFTER PROPOSED WORK IS COMPLETE, THE PLUMBING/HYDRONICS CONTRACTOR IS TO PROVIDE A COMPLETE ANALYSIS OF THE HEATING WATER SYSTEM TO CONFIRM PROPER GLYCOL % AND TREATMENT. SUBMIT ANALYSIS/RECOMMENDATIONS TO SICHMELLER ENGINEERING & OWNER. IF SOLUTION ANALYSIS INDICATES SOLUTION IS NOT SATISFACTORY, THIS CONTRACTOR TO MAKE ADJUSTMENTS AS RECOMMENDED BY GLYCOL SUPPLER & RETEST UNTIL ANALYSIS IS SATISFACTORY. B. EXISTING CHILLED WATER SYSTEM:
- a. EXISTING CHILLED WATER SYSTEM SOLUTION IS 40% DOWFROST HD PROPYLENE GLYCOL. ANY NEW GLYCOL SOLUTION REQUIRED TO BE ADDED TO THE SYSTEM FOR PROPOSED WORK TO BE THE SAME MANUFACTURER, TYPE, AND CONCENTRATION. b. SYSTEM VOLUME: EXISTING: 850 GALLONS; PROPOSED ADDITION TO SYSTEM (BASE BID ONLY): 50 GALLONS.
- c. PRIOR TO ANY PROPOSED WORK, THE PLUMBING/HYDRONICS CONTRACTOR SHALL PROVIDE A COMPLETE ANALYSIS OF THE EXISTING CHILLED WATER SYSTEM TO DETERMINE EXACT GLYCOL AND COMPOSITION, ETC. SUBMIT ANALYSIS/RECOMMENDATIONS TO SICHMELLER ENGINEERING & OWNER. OWNER TO PROVIDE ANY RECOMMENDED ADJUSTMENTS TO EXISTING. THE PLUMBING/HYDRONICS CONTRACTOR SHALL BE RESPONSIBLE TO PUMP IN THESE
- ADJUSTMENTS. RETEST UNTIL EXISTING SOLUTION ANALYSIS IS SATISFACTORY. d. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR DRAINING AND STORING THE EXISTING GLYCOL SOLUTION AS REQUIRED FOR COMPLETION OF THEIR WORK.
- e. THE EXISTING SYSTEM SHALL BE DRAINED AS NECESSARY FOR PROPOSED DEMOLITION, NO CLEANING AND FLUSHING ON EXISTING PIPING. f. UPON COMPLETION OF THE PROPOSED WORK, THE EXISTING GLYCOL SOLUTION SHALL BE PUMPED BACK IN ALONG WITH THE
- OWNER PROVIDED ADJUSTMENTS AND PROPOSED SYSTEM SOLUTION. g. AFTER PROPOSED WORK IS COMPLETE, THE PLUMBING/HYDRONICS CONTRACTOR IS TO PROVIDE A COMPLETE ANALYSIS OF THE CHILLED WATER SYSTEM TO CONFIRM PROPER GLYCOL % AND TREATMENT. SUBMIT ANALYSIS/RECOMMENDATIONS TO
- SICHMELLER ENGINEERING & OWNER. IF SOLUTION ANALYSIS INDICATES SOLUTION IS NOT SATISFACTORY, THIS CONTRACTOR TO MAKE ADJUSTMENTS AS RECOMMENDED BY GLYCOL SUPPLER & RETEST UNTIL ANALYSIS IS SATISFACTORY. 8. DURING THE SHOP DRAWING PROCESS, ALL M&E CONTRACTORS TO BE RESPONSIBLE FOR MARKING UP ALL OPENINGS IN THE CONCRETE SLAB, PRECAST WALL, CORE FLOOR, OR STRUCTURAL STEEL FRAMING, AND STRUCTURAL STEEL ROOF JOIST SYSTEMS
- REQUIRED FOR THE INSTALLATION OF THEIR RESPECTIVE SYSTEMS IN NEW AND EXISTING STRUCTURAL SYSTEMS. 9. WHERE PEX PIPING IS USED, PIPING SHALL BE UPONOR PEX-A POTABLE WATER PIPING WITH UPONOR F1960 EXPANDABLE FITTINGS, NO CRIMP FITTINGS TO BE ACCEPTED, PROVIDED THE CONTRACTOR IS TRAINED AND FOLLOWING ALL MANUFACTURER'S RECOMMENDATIONS TO FULFILL ALL AVAILABLE UPONOR 25 YEAR WARRANTY COVERAGE.
- 10. ORIGINAL PLANS ARE AVAILABLE. PLEASE CONTACT THE ENGINEER'S OFFICE TO REQUEST. CONTACT ISAAC @ 605-225-4344.

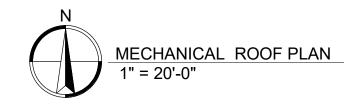






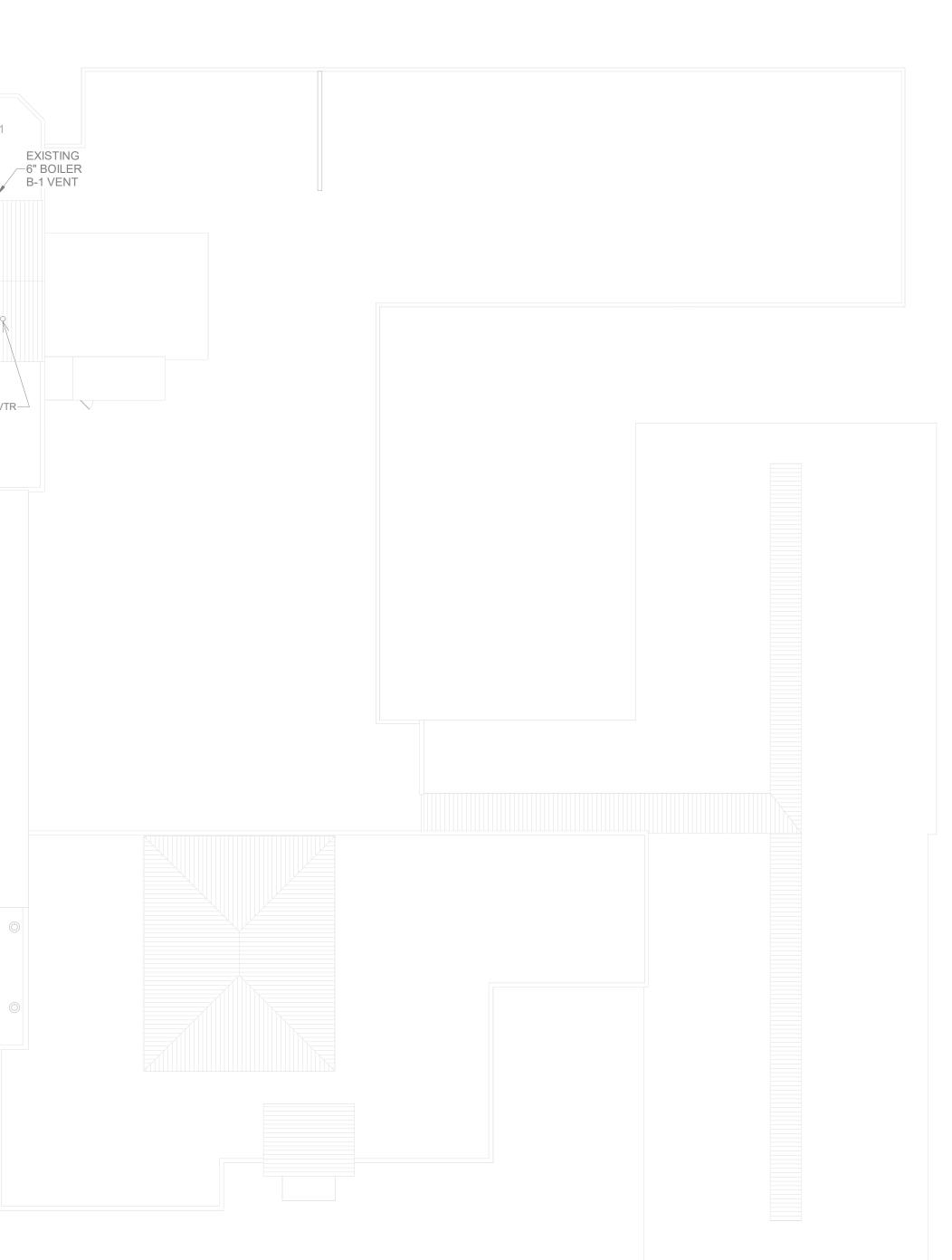


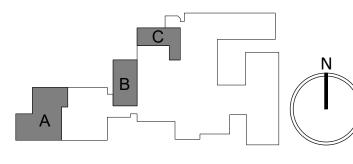


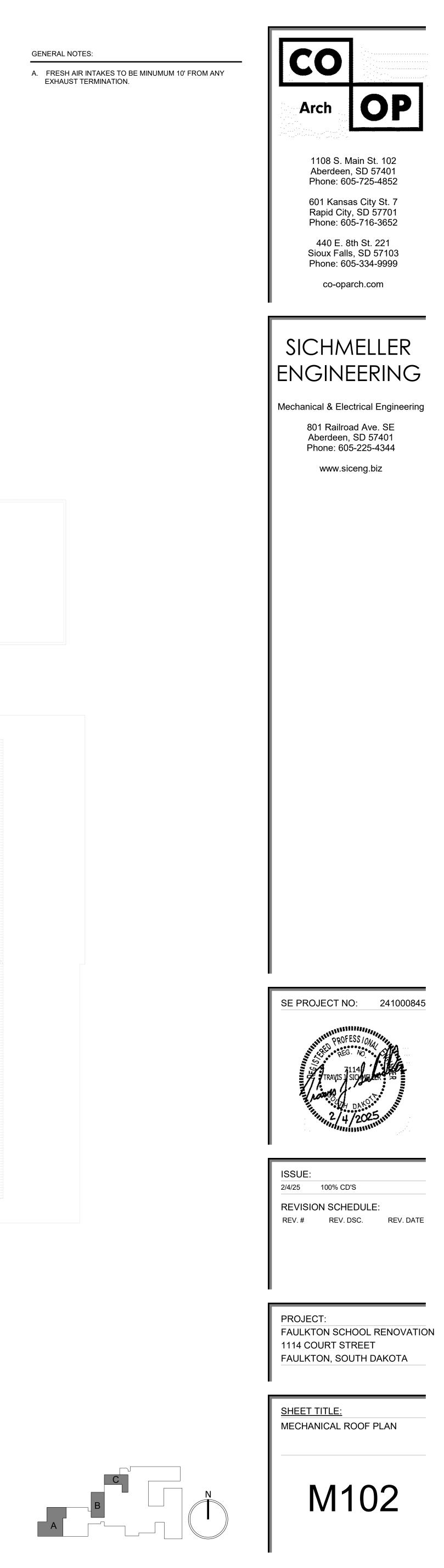




A. FRESH AIR INTAKES TO BE MINUMUM 10' FROM ANY EXHAUST TERMINATION.







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.

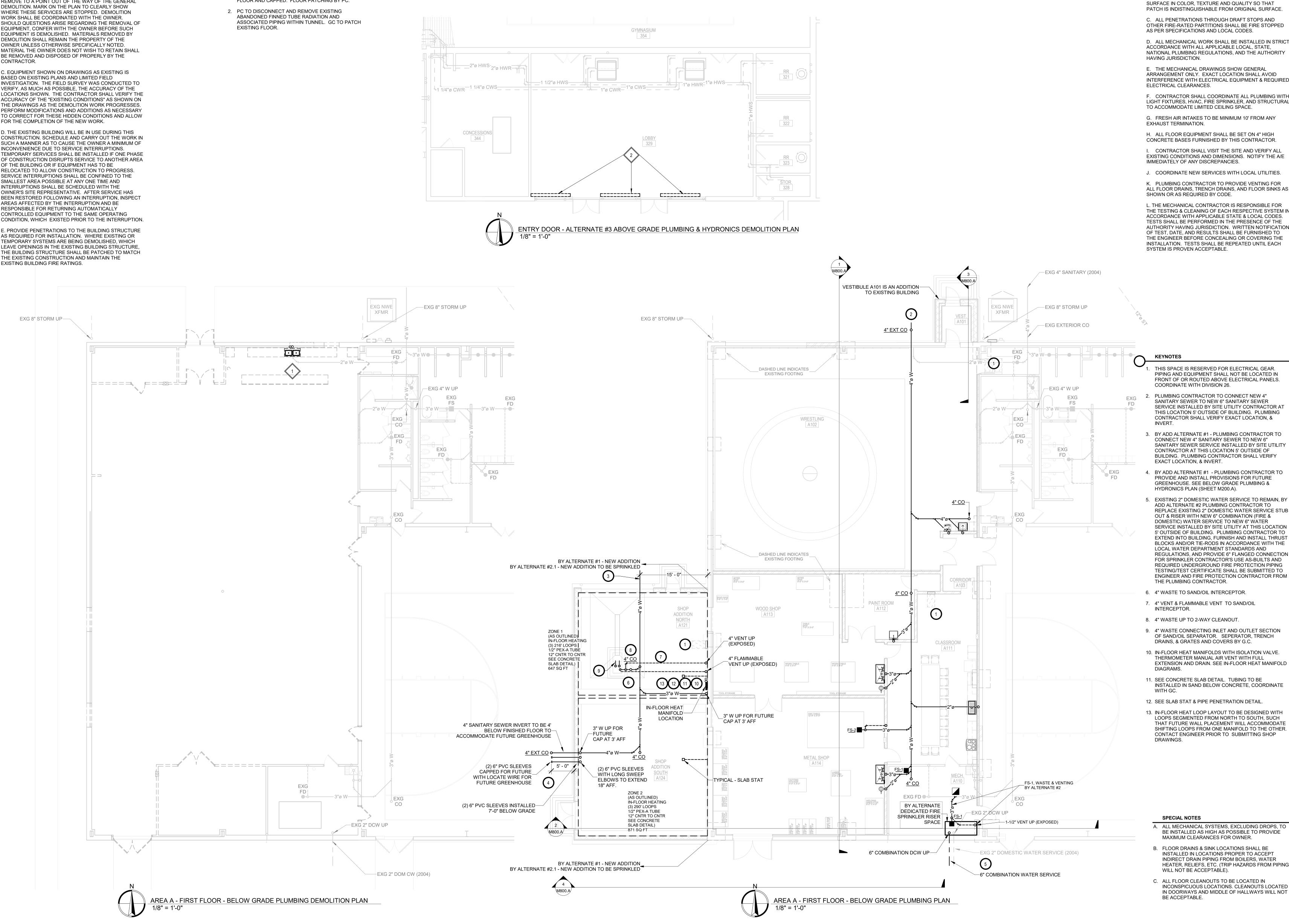
C. EQUIPMENT SHOWN ON DRAWINGS AS EXISTING IS BASED ON EXISTING PLANS AND LIMITED FIELD INVESTIGATION. THE FIELD SURVEY WAS CONDUCTED TO VERIFY, AS MUCH AS POSSIBLE, THE ACCURACY OF THE LOCATIONS SHOWN. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THE "EXISTING CONDITIONS" AS SHOWN ON THE DRAWINGS AS 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

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: 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.
- ABANDONED FINNED TUBE RADIATION AND



### 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

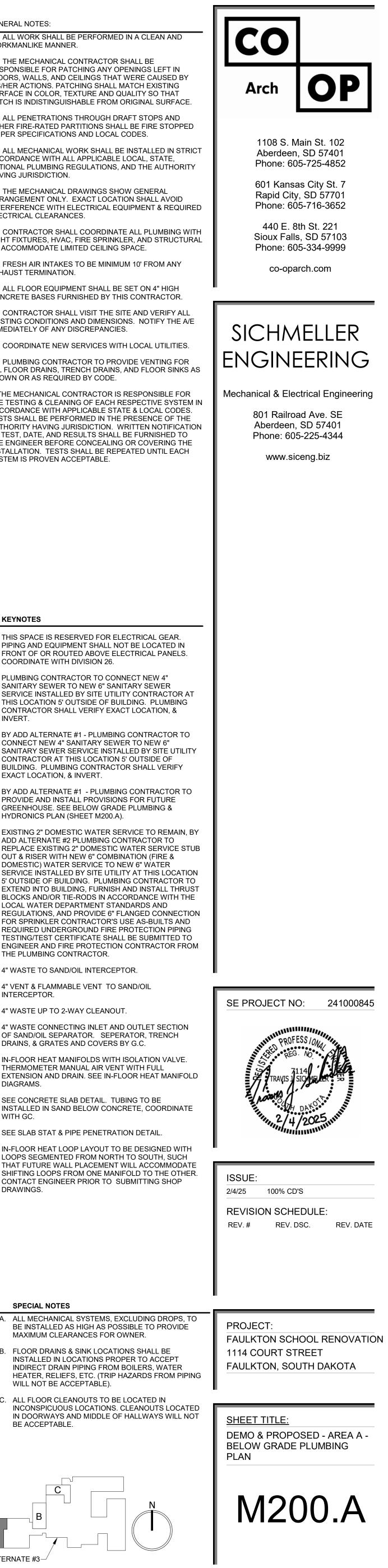
H. ALL FLOOR EQUIPMENT SHALL BE SET ON 4" HIGH CONCRETE BASES FURNISHED BY THIS CONTRACTOR. I. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL

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.

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.





DEMOLITION GENERAL NOTES:

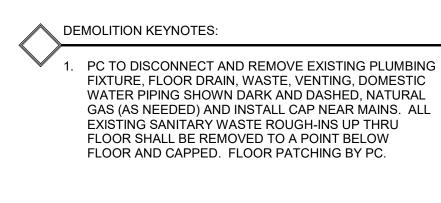
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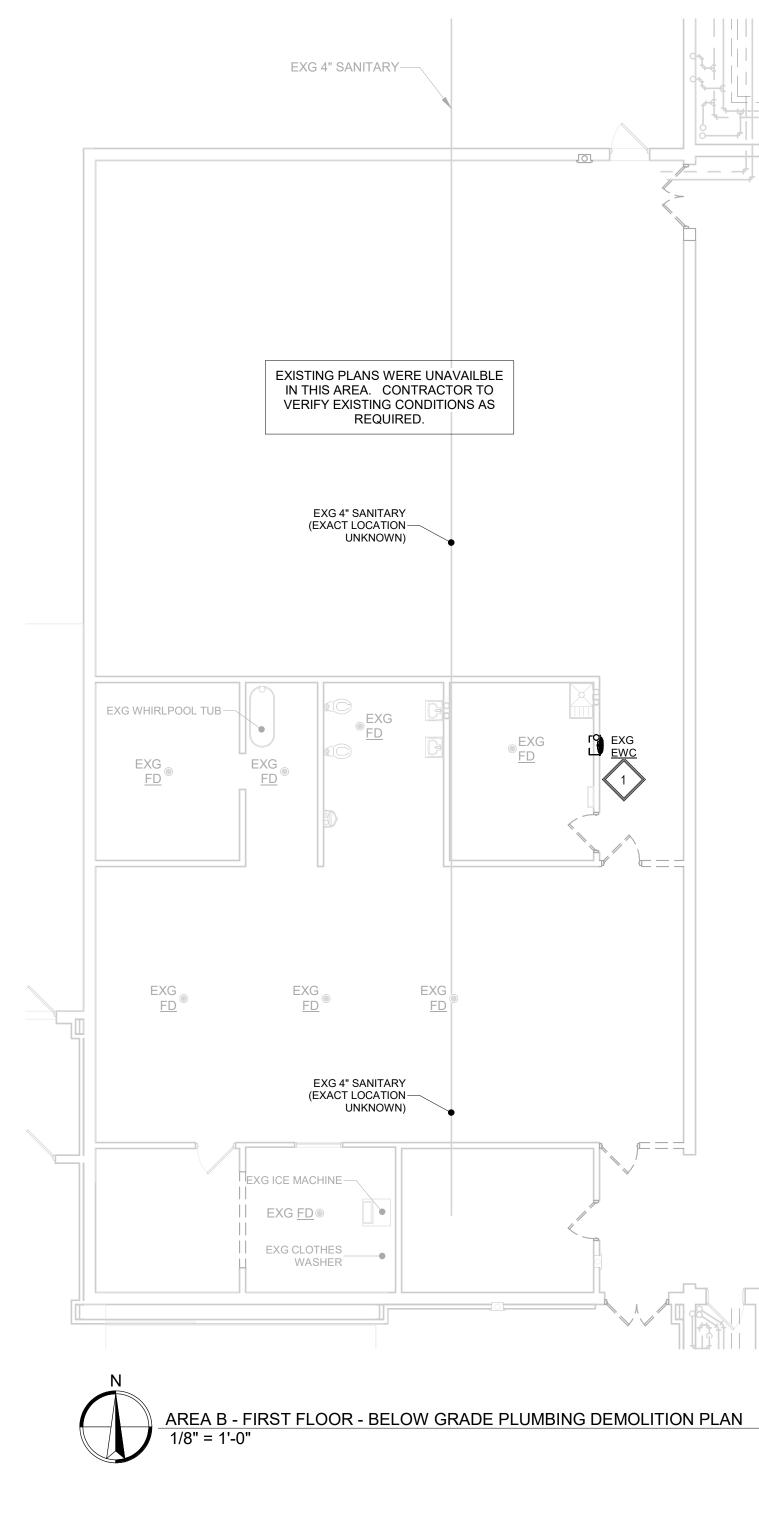
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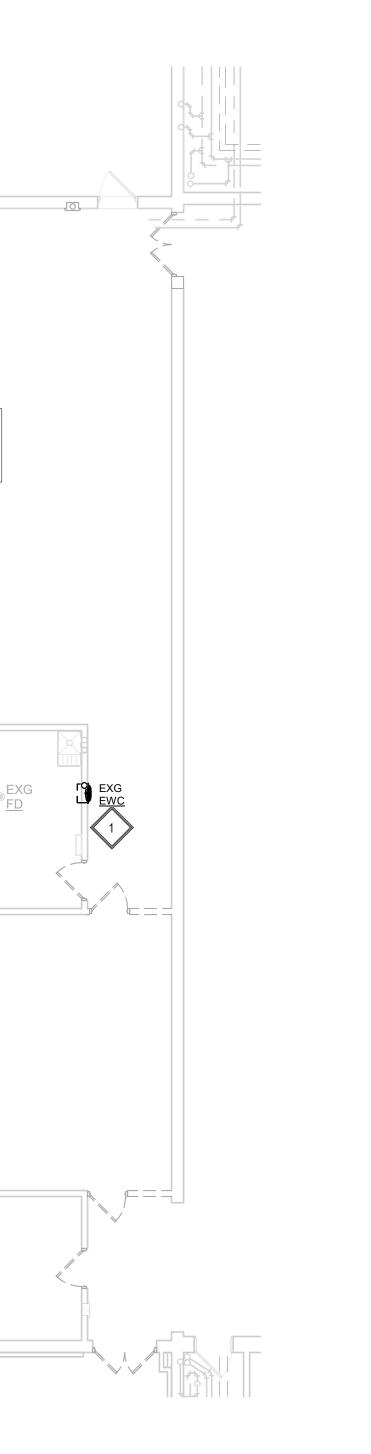
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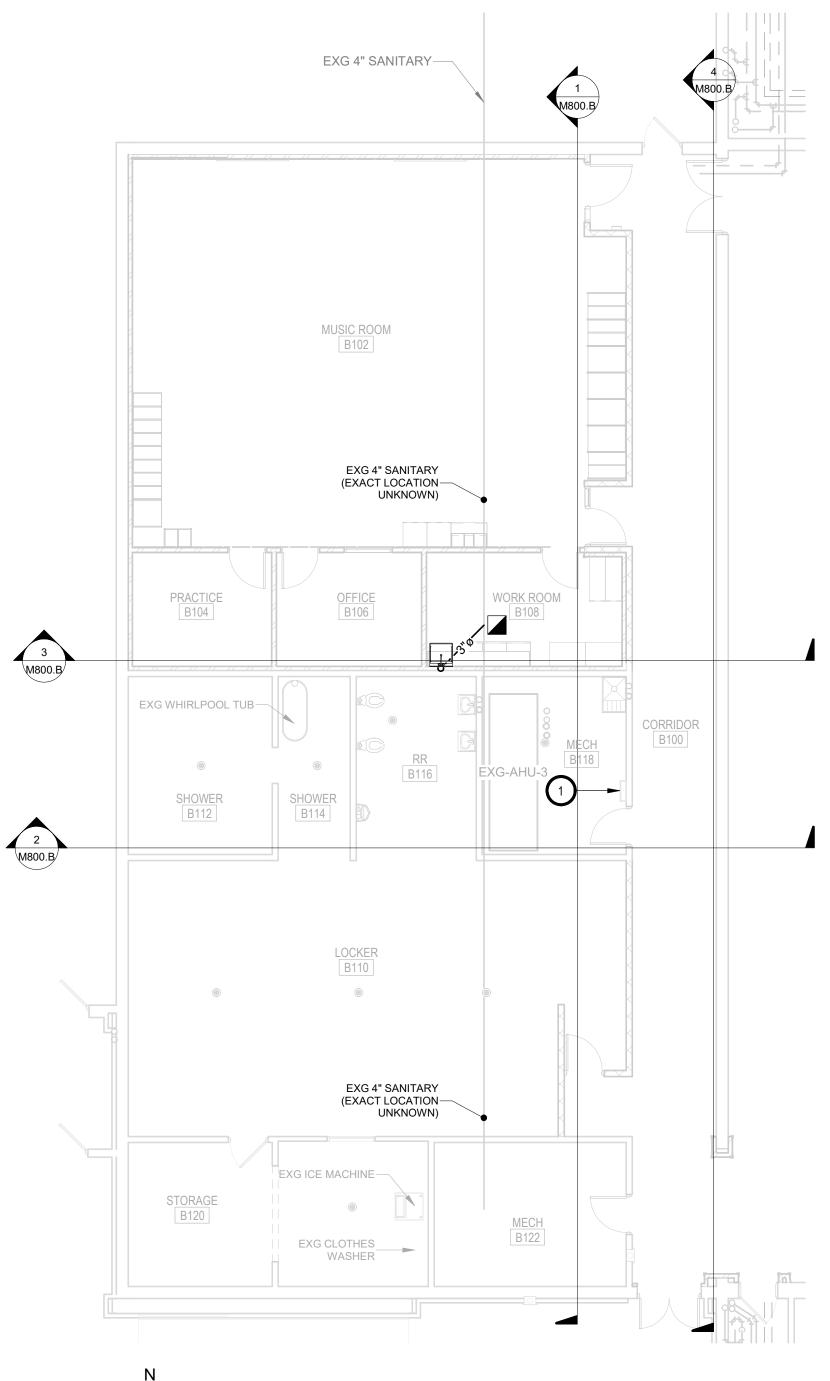
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GENERAL NOTES:

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.

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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.

SPECIAL NOTES

BE ACCEPTABLE.

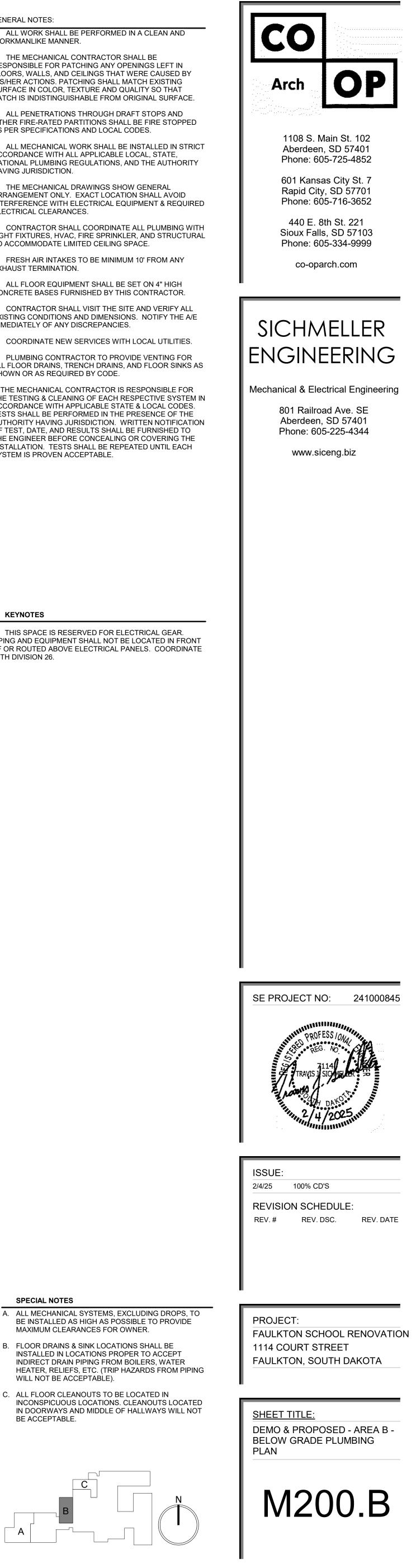
MAXIMUM CLEARANCES FOR OWNER.

WILL NOT BE ACCEPTABLE).

B. FLOOR DRAINS & SINK LOCATIONS SHALL BE

C. ALL FLOOR CLEANOUTS TO BE LOCATED IN

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



DEMOLITION GENERAL NOTES:

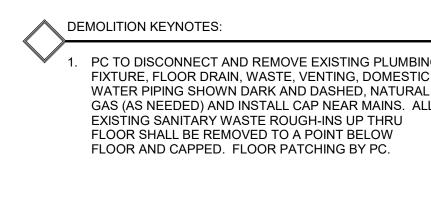
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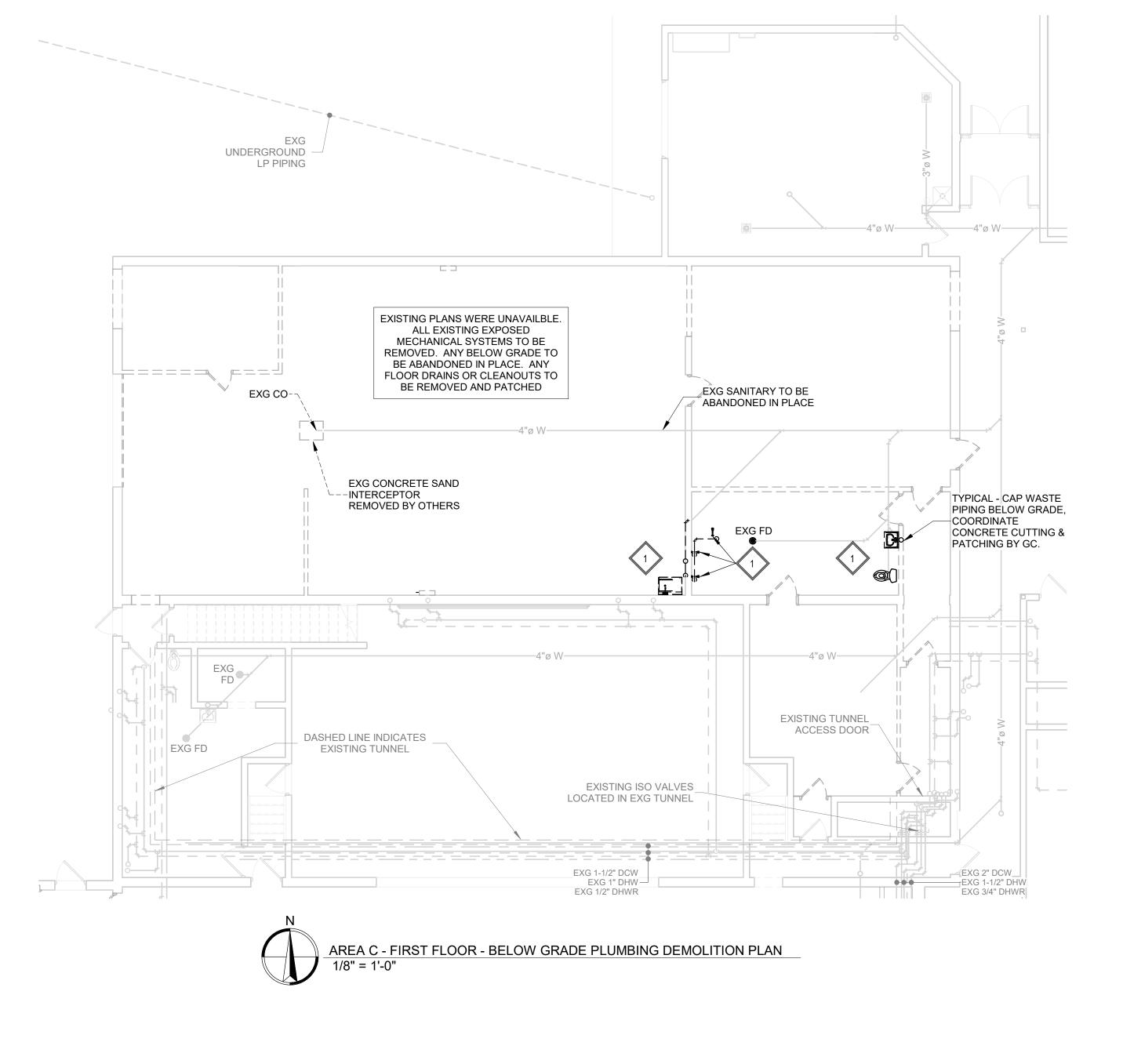
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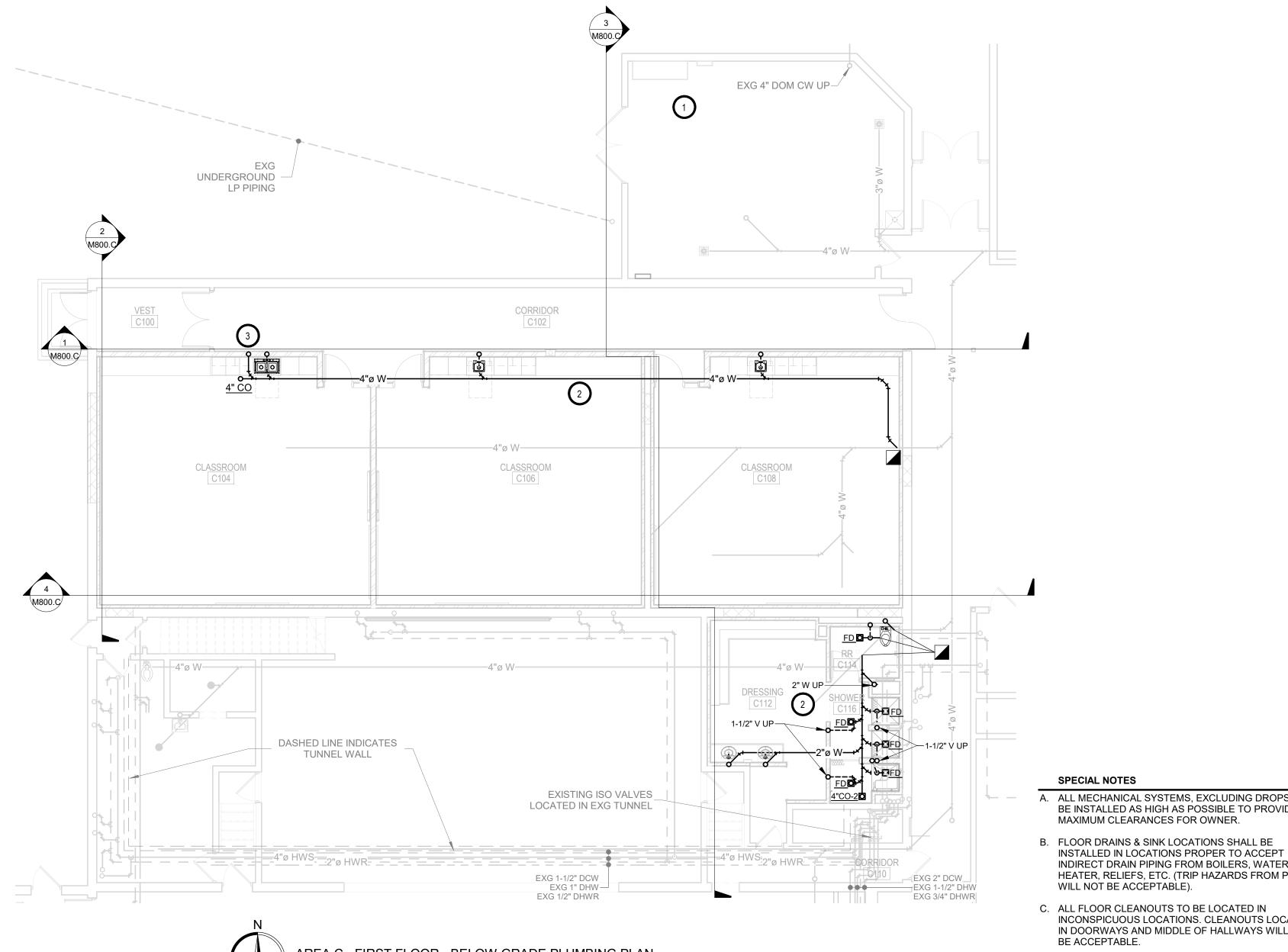
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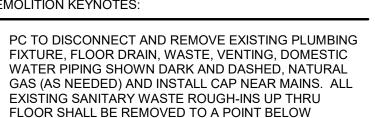
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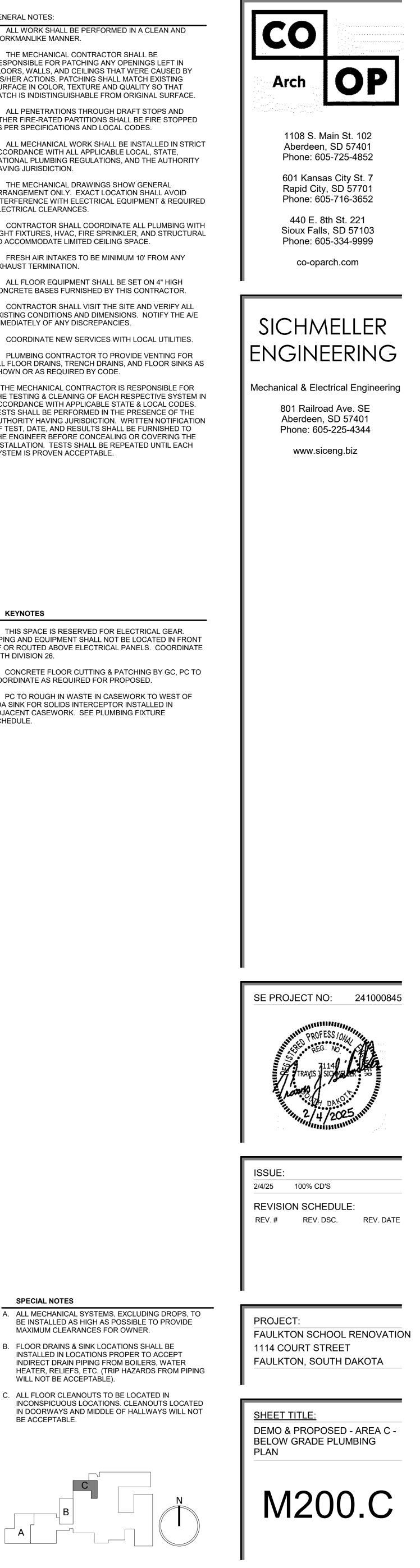
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2. CONCRETE FLOOR CUTTING & PATCHING BY GC, PC TO COORDINATE AS REQUIRED FOR PROPOSED. 3. PC TO ROUGH IN WASTE IN CASEWORK TO WEST OF ADA SINK FOR SOLIDS INTERCEPTOR INSTALLED IN ADJACENT CASEWORK. SEE PLUMBING FIXTURE SCHEDULE.

AREA C - FIRST FLOOR - BELOW GRADE PLUMBING PLAN



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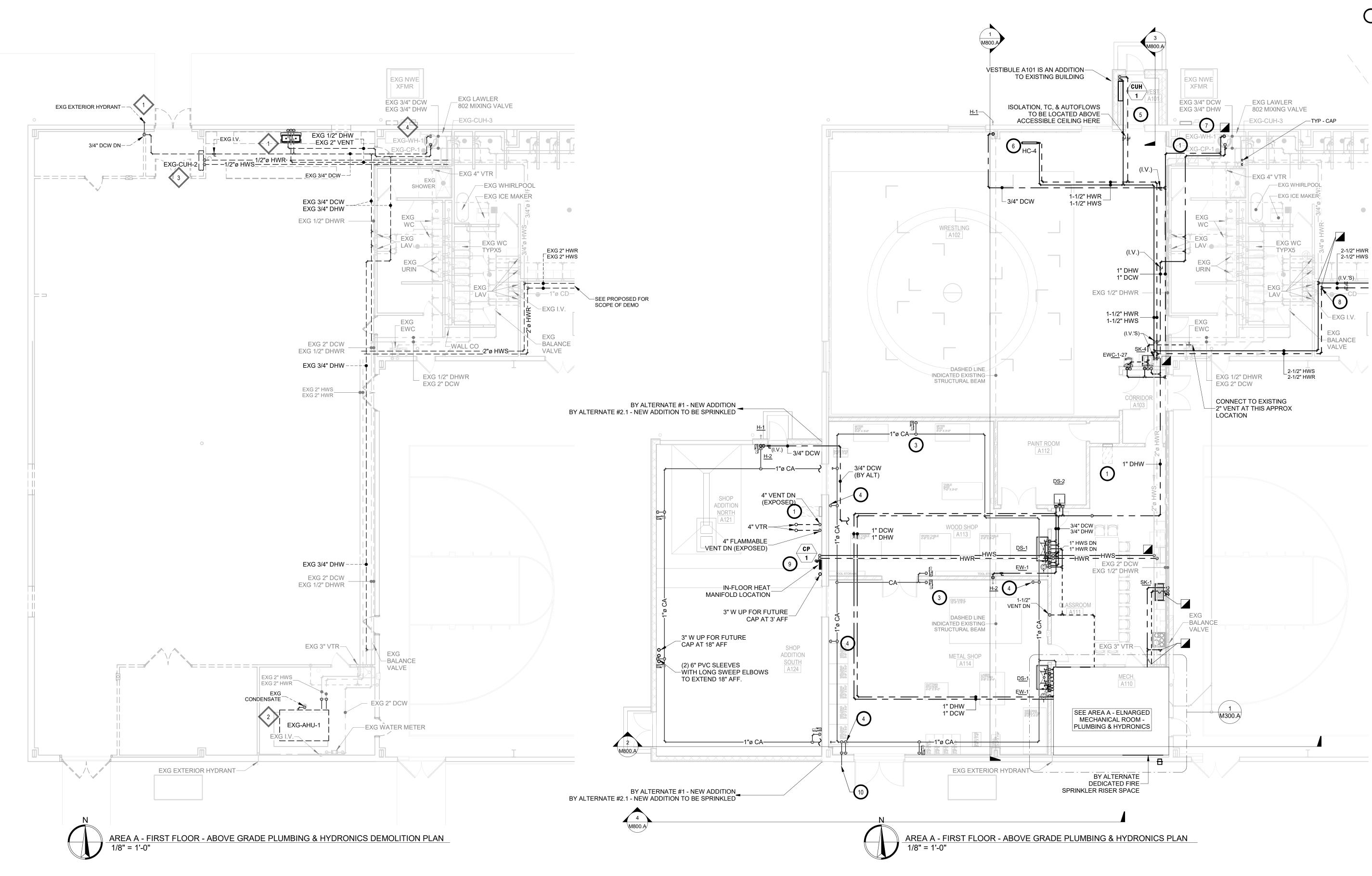
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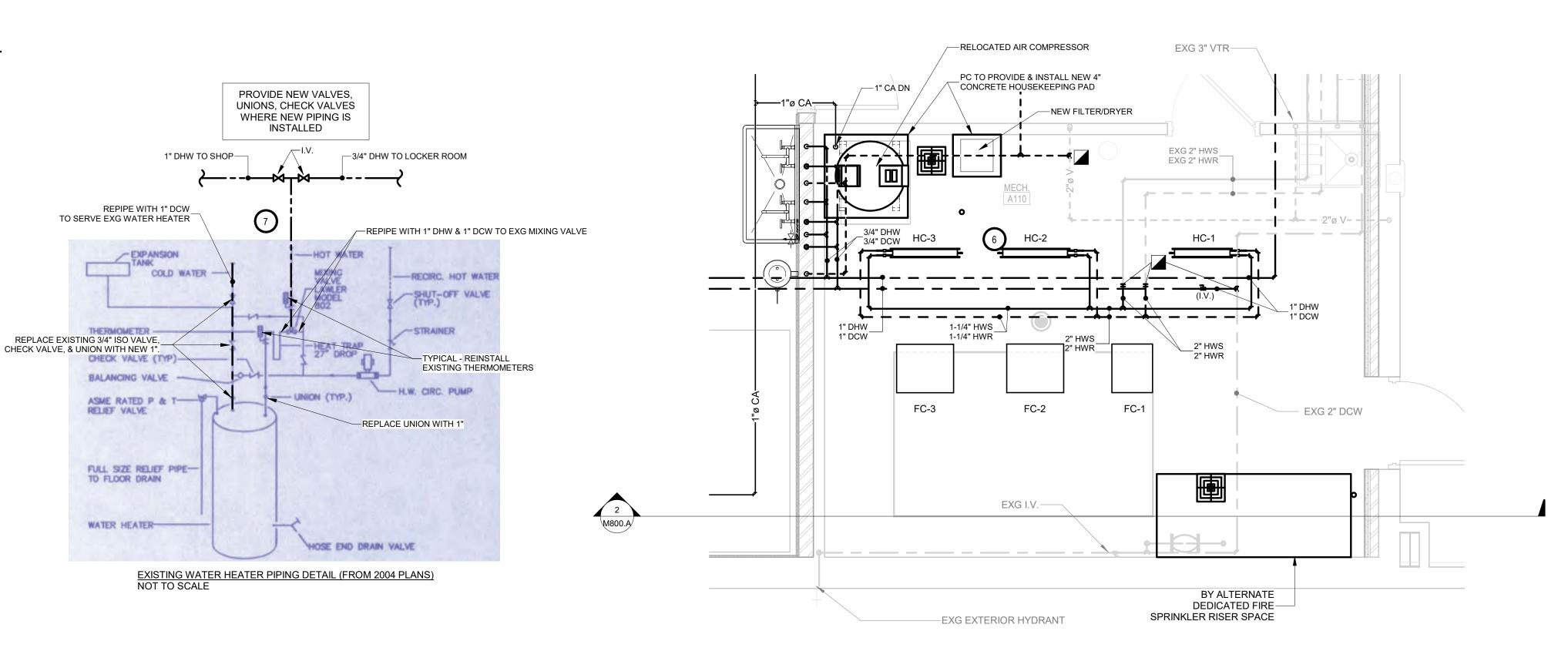
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DEMOLITION KEYNOTES:

- 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.





M300.A SCALE: 3/8" = 1'-0"

1 AREA A - ENLARGED MECHANICAL ROOM - PLUMBING & HYDRONICS

GENERAL NOTES:

WORKMANLIKE MANNER.

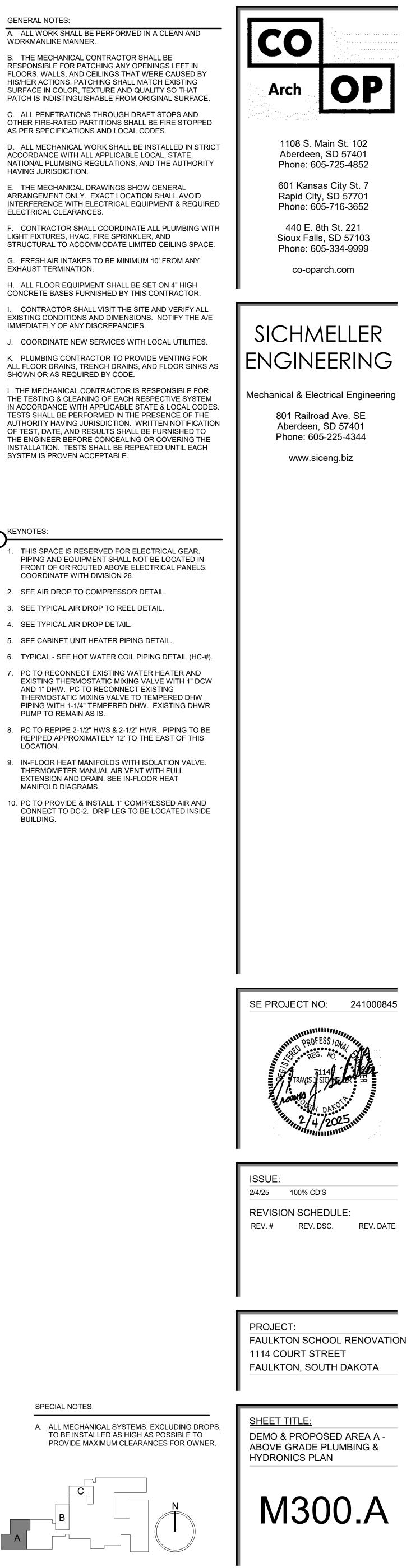
HAVING JURISDICTION.

ELECTRICAL CLEARANCES.

SYSTEM IS PROVEN ACCEPTABLE.

# KEYNOTES:

- COORDINATE WITH DIVISION 26.
- 2. SEE AIR DROP TO COMPRESSOR DETAIL.
- 4. SEE TYPICAL AIR DROP DETAIL.
- 5. SEE CABINET UNIT HEATER PIPING DETAIL.
- AND 1" DHW. PC TO RECONNECT EXISTING PUMP TO REMAIN AS IS.
- LOCATION.
- MANIFOLD DIAGRAMS.
- BUILDING.



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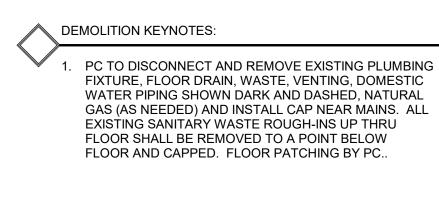
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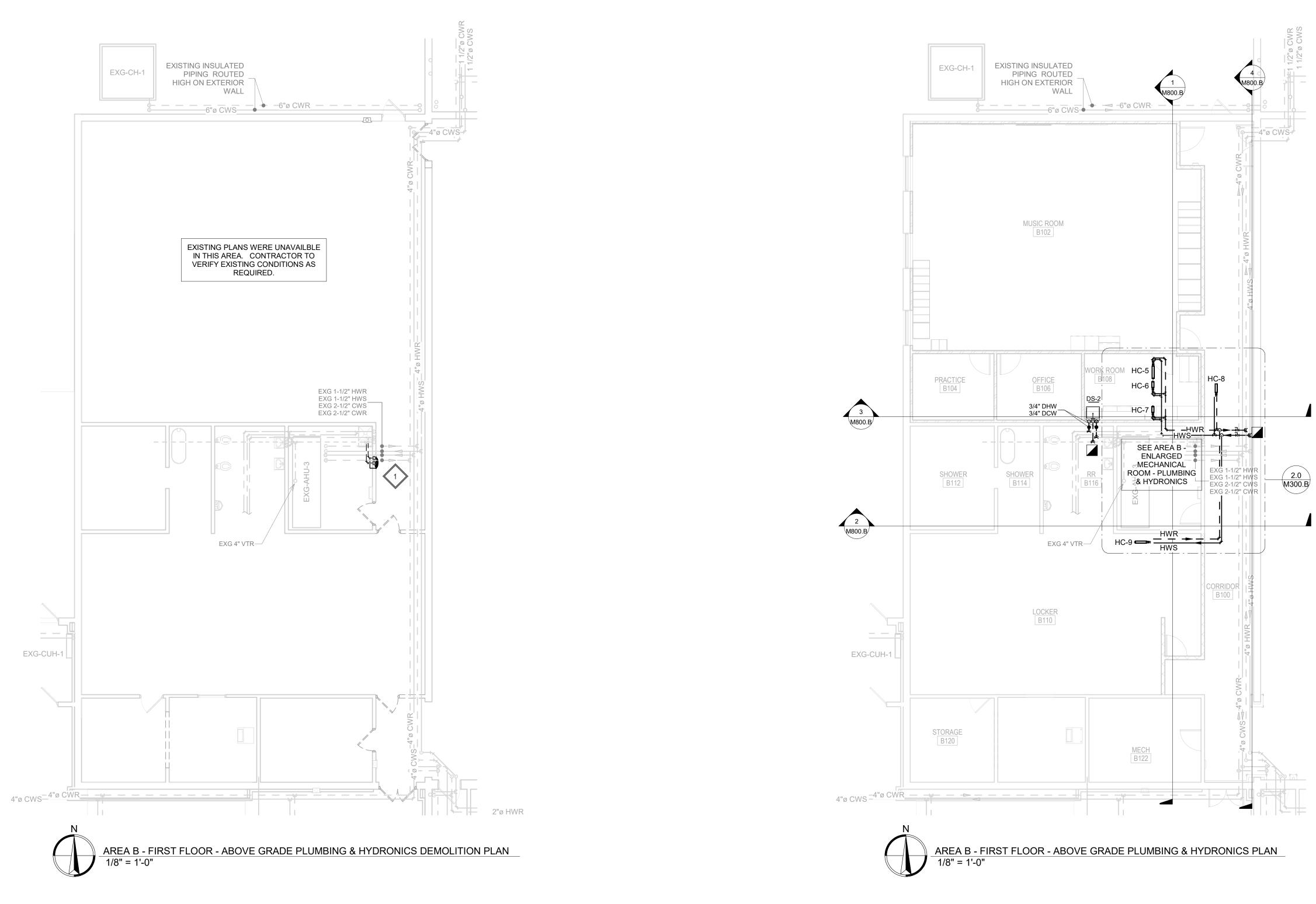
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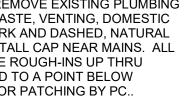
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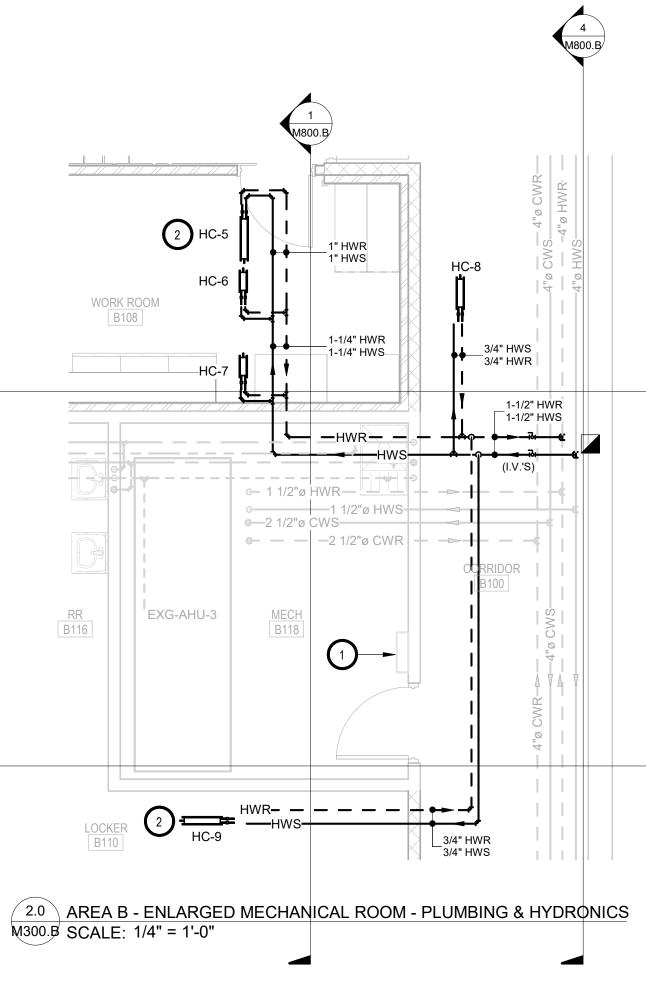
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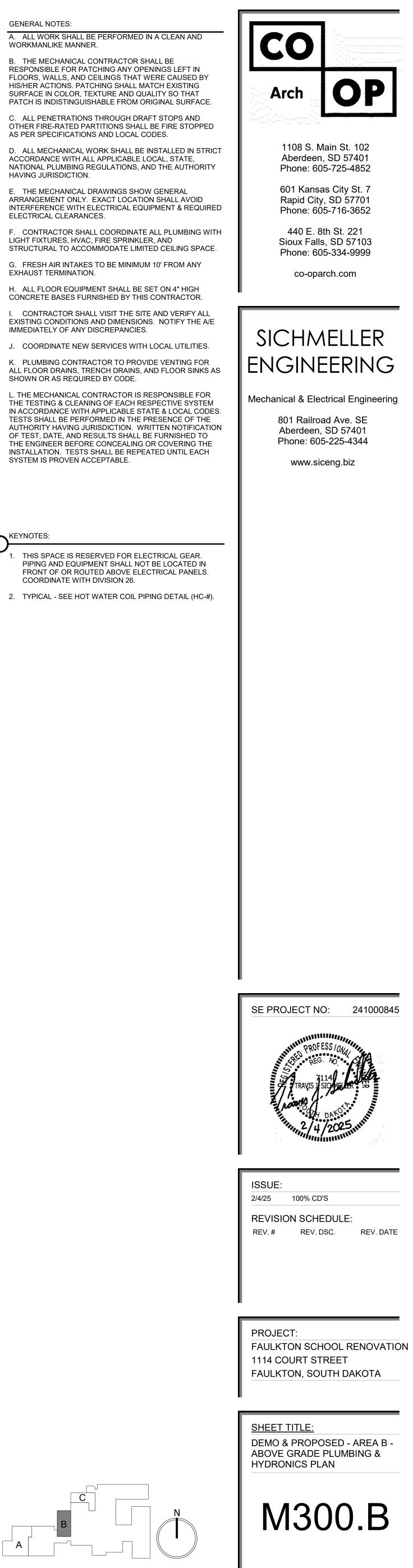


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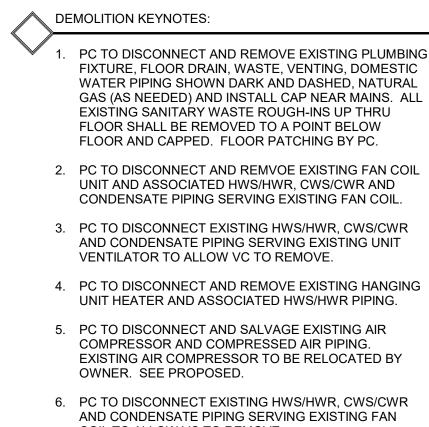
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COORDINATE WITH DIVISION 26.



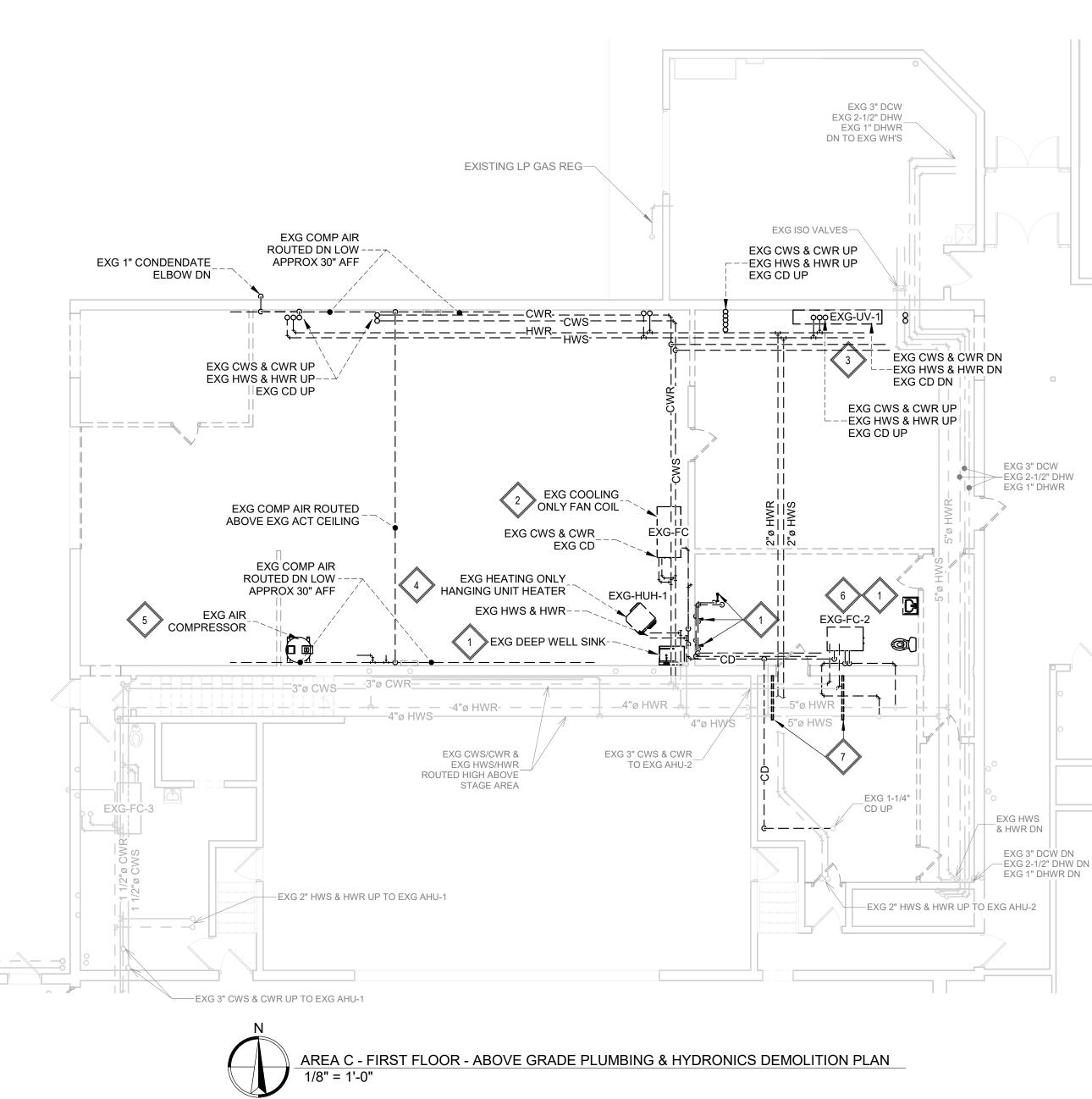
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7. PC TO DEMO (2) EXISTING WALL BRACKET SUPPORTS

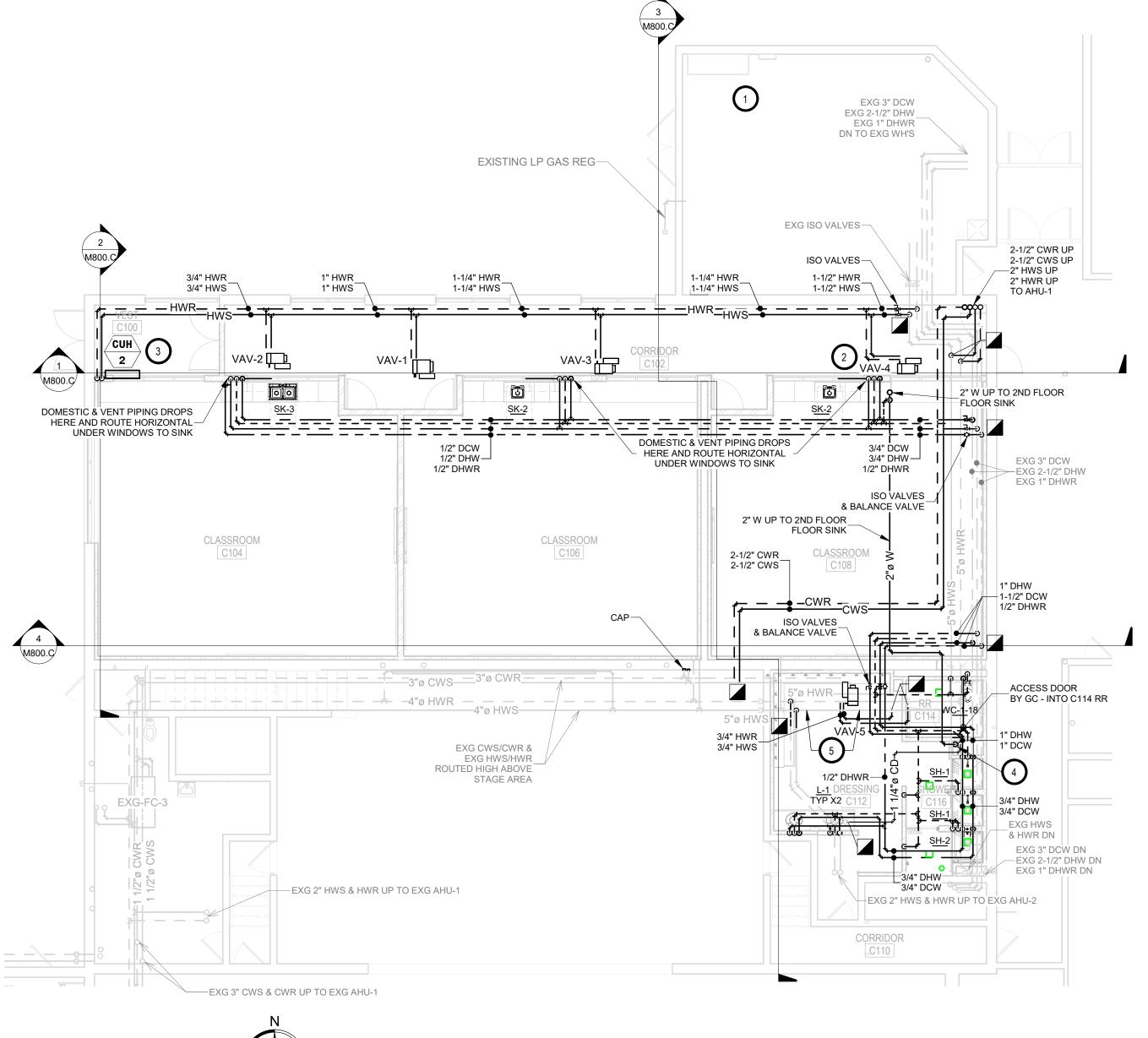
EXISTING LP GAS REG-



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COIL TO ALLOW VC TO REMOVE.

FOR EXISTING 5" HWS/HWR. SEE PROPOSED.



## GENERAL NOTES:

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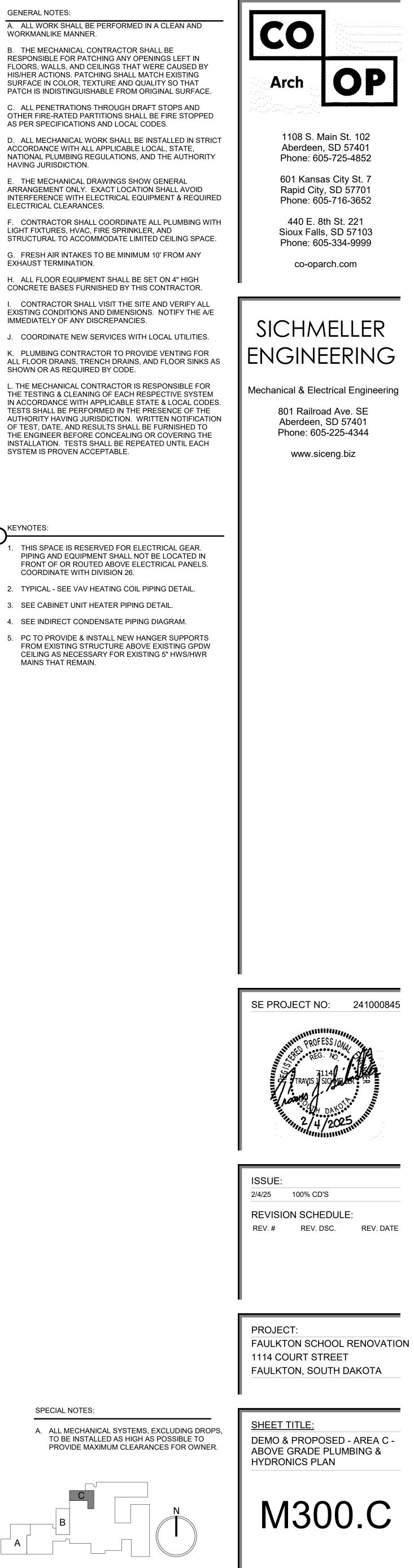
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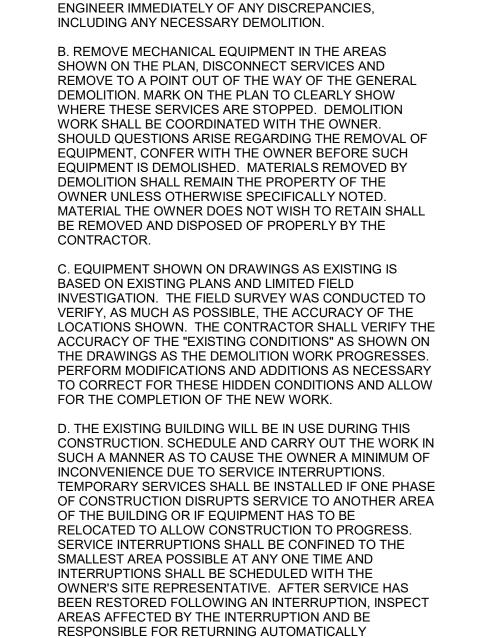
- COORDINATE WITH DIVISION 26.

- MAINS THAT REMAIN.

AREA C - FIRST FLOOR - ABOVE GRADE PLUMBING & HYDRONICS PLAN

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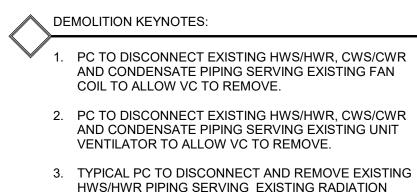
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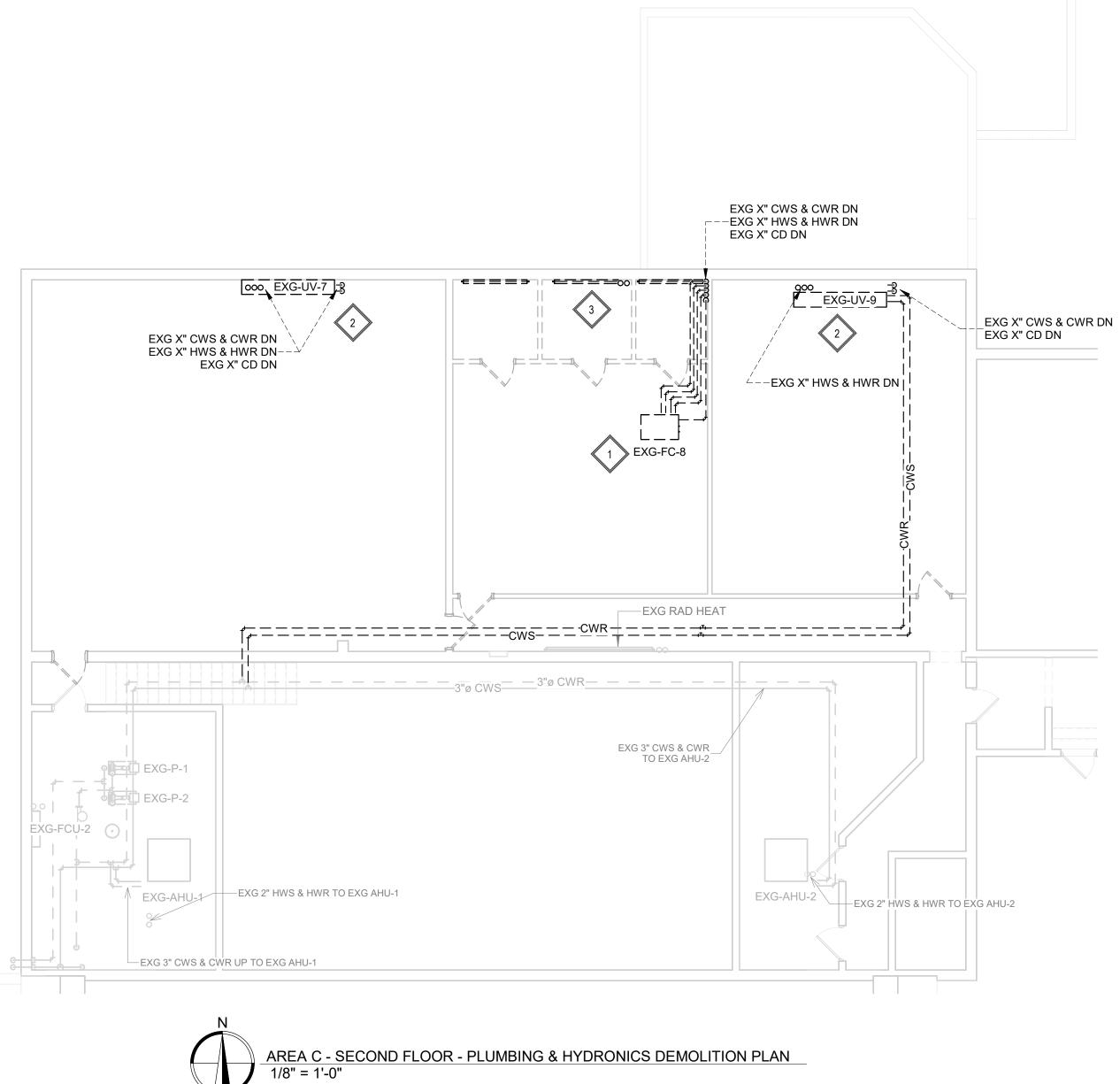
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CONTROLLED EQUIPMENT TO THE SAME OPERATING

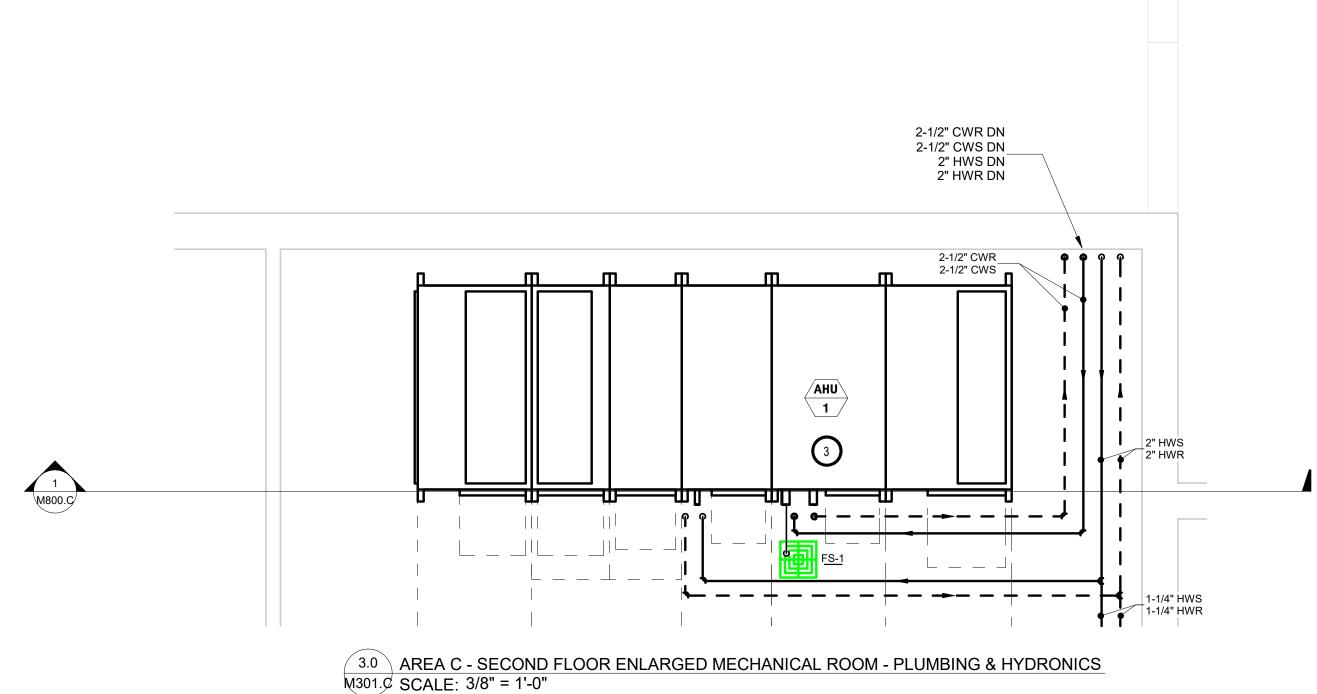


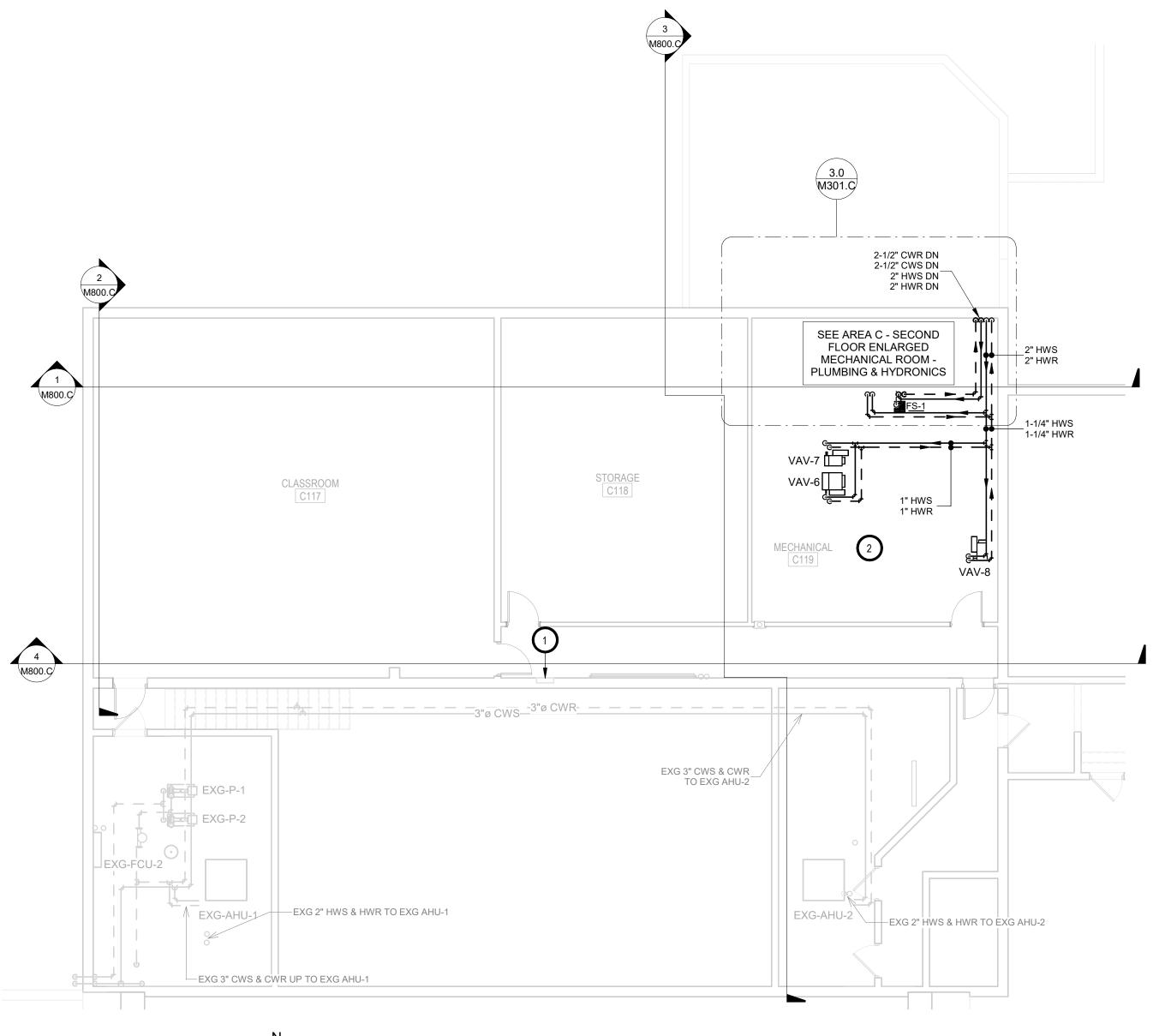
HEAT.





### HWS/HWR PIPING SERVING EXISTING RADIATION





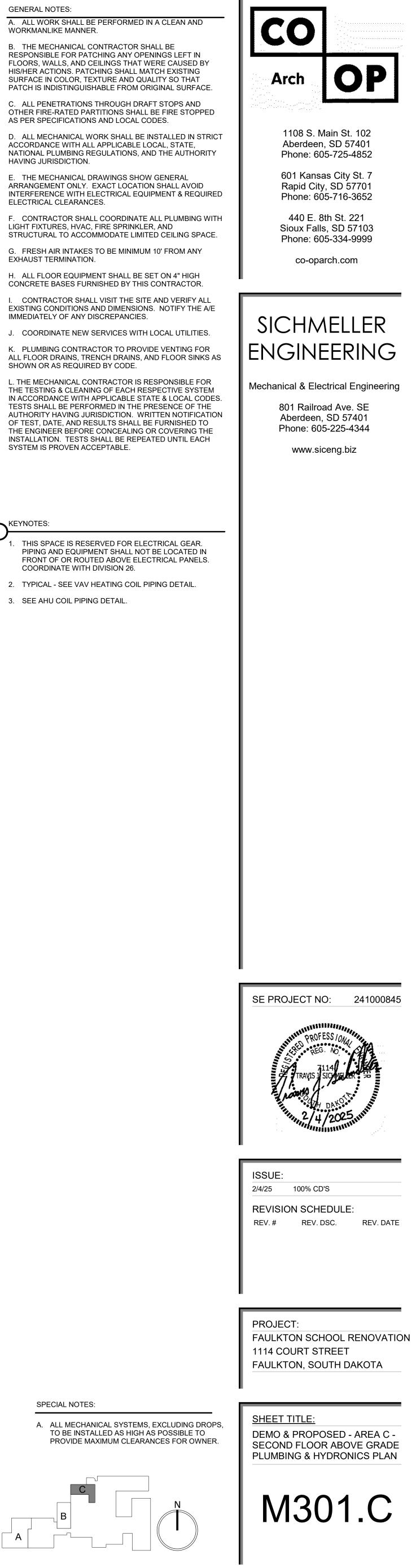
# GENERAL NOTES:

WORKMANLIKE MANNER.

# KEYNOTES:

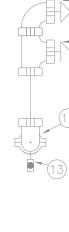
- COORDINATE WITH DIVISION 26.

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



## **RISER LEGEND**

- 4" COMBINED UNDERGROUND FRSP/DOMESTIC WATER SERVICE 2. 4" 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
- 4. OUT TO DOMESTIC 5. 4" SERVICE FLANGE
- 6. FRSP CONTRACTOR START POINT @ EXISTING TEE, REPLACE W/ CROSS . 4" AMES COLT 200a DOUBLE CHECK VALVE BACKFLOW PREVENTER W/ SUPERVISED BUTTERFLY VALVES
- 8. 4" RISER MANIFOLD W/ FLOW SWITCH, PRESSURE GAUGE, & TEST & MAIN DRAIN W/ PRESSURE RELIEF VALVE OUT TO EXISTING NORTH WET ZONE #1
- 10. 4" FDC CHECK VALVE 1. 4" BACKFLOW PREVENTER TEST BUTTERFLY CONTROL VALVE (NORMALLY CLOSED) 12. 4" OUT TO FDC
- 13. <sup>1</sup>/<sub>2</sub>" AUTOMATIC BALL DRIP VALVE 14. 2" MAIN DRAIN DISCHARGE TO BUILDING'S EXTERIOR
- 5. DOMESTIC WATER ISOLATION VALVE 16. ADD 4" SUPERVISED GROOVED BUTTERFLY VALVE FOR EXISTING NORTH WET
- ZONE #1 (NORMALLY OPEN) 17. GROOVED TEE 18. GROOVED CAP
- 19. SUPERVISED GROOVED BUTTERFLY VALVE (NORMALLY OPEN) 20. RISER MANIFOLD W/ FLOW SWITCH, PRESSURE GAUGE, & TEST & MAIN DRAIN
- W/ PRESSURE RELIEF VALVE 21. OUT TO NORTH WET ZONE #2



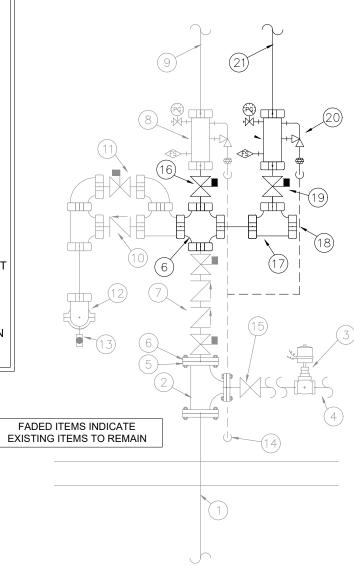
(A) <u>REMODELED EXISTING FIRE PROTECTION - RISER DETAIL - NORTH</u> NO SCALE

-										
	SYM	POSITION	FINISH	TEMP	K	NPT	SIN	MFG.	MODEL#	NOTES
	۲	PENDENT	WHITE	155	8.0	3/4"	TY4231	TYCO	TY-FRB	1, 2, 3, 4
	(	PENDENT	WHITE	155	11.2	3/4"	TY5237	TYCO	EC-11	1, 2, 3, 4
	$^{\scriptscriptstyle A}$	PENDENT	WHITE	200	5.6	1"	TY3255	TYCO	DS-1	1, 4
	$\bigcirc$	UPRIGHT	BRASS	200	5.6	1/2"	TY3131	TYCO	TY-FRB	1, 2, 4
	$\boxtimes$	UPRIGHT	WHITE	200	5.6	1/2"	TY3131	TYCO	TY-FRB	1, 2, 4
	0	UPRIGHT	BRASS	200	5.6	1/2"	TY3131	TYCO	TY-FRB	1, 2, 4

1. OR EQUAL 2. INTERMEDIATE TEMPERATURE RATED HEADS SHALL BE USED IN ALL MECHANICAL AND ELECTRICAL ROOMS 3. STANDARD COVERAGE OR EXTENDED COVERAGE SPRINKLERS MAY BE USED AT THE CONTRACTOR'S OPTION WHERE PROVEN HYDRAULICALLY 4. ALL SPRINKLERS NEAR HEAT PRODUCING DEVICES SHALL BE PROVIDED WITH THE APPROPRIATE TEMPERATURE RATING PER THE REQUIREMENTS OF NFPA 13



FIRE PROTECTION - SPRINKLER LEGEND





### **RISER LEGEND**

- . 6" COMBINED UNDERGROUND FRSP/DOMESTIC WATER SERVICE BY PLUMBING CONTRACTOR
- 2. FLANGED TEE BY PLUMBING CONTRACTOR 3. OUT TO DOMESTIC - BY PLUMBING CONTRACTOR 4. 6" SERVICE FLANGE - BY PLUMBING CONTRACTOR
- 5. FRSP CONTRACTOR START POINT 6. DOUBLE CHECK VALVE BACKFLOW PREVENTER W/ SUPERVISED BUTTERFLY
- VALVES 7. 2<sup>1</sup>/<sub>2</sub>" BRASS FIRE HOSE VALVES W/ CAP FOR BACKFLOW TESTING 8. SUPERVISED BUTTERFLY VALVE (NORMALLY OPEN)
- 9. RISER MANIFOLD W/ FLOW SWITCH, PRESSURE GAUGE, & TEST & MAIN DRAIN W/ PRESSURE RELIEF VALVE
- 10. OUT TO SOUTH WET ZONE #1 11. CAPPED TEE FOR FUTURE ZONE 12. FDC CHECK VALVE
- 13. OUT TO FDC 14. AUTOMATIC BALL DRIP VALVE

GALVANIZED

- 15. 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



ESCUTCHEON RECESSED RECESSED RECESSED NONE NONE \_\_\_\_\_ NONE

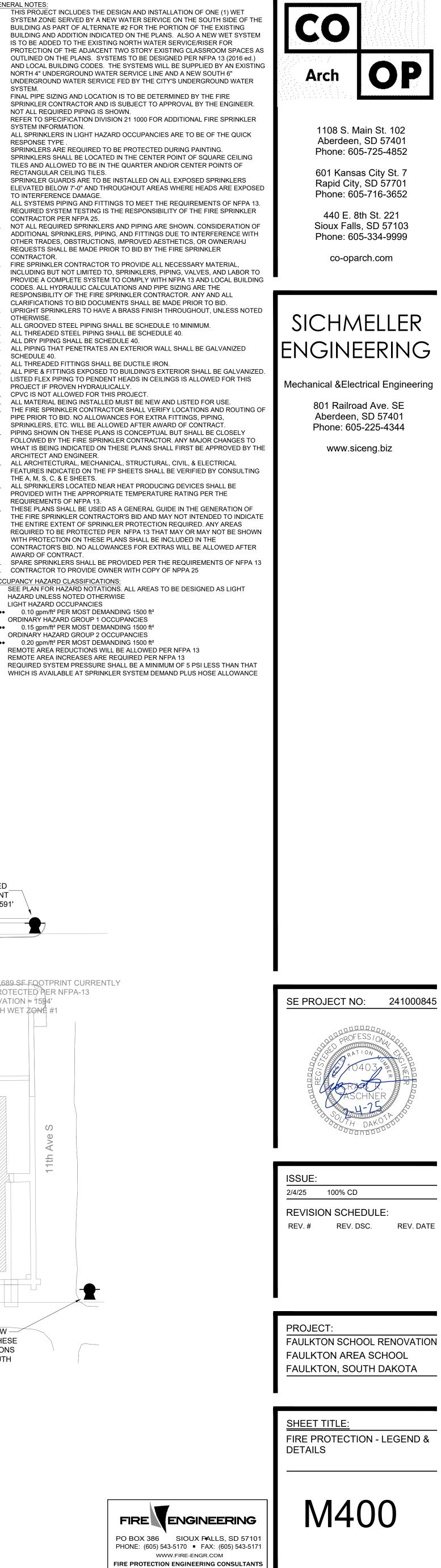
BY ALTERNATE #2 - EXISTING BUILDING & VESTIBULE ADDITION TO BE SPRINKLED -6,712 SF FOOTPRINT

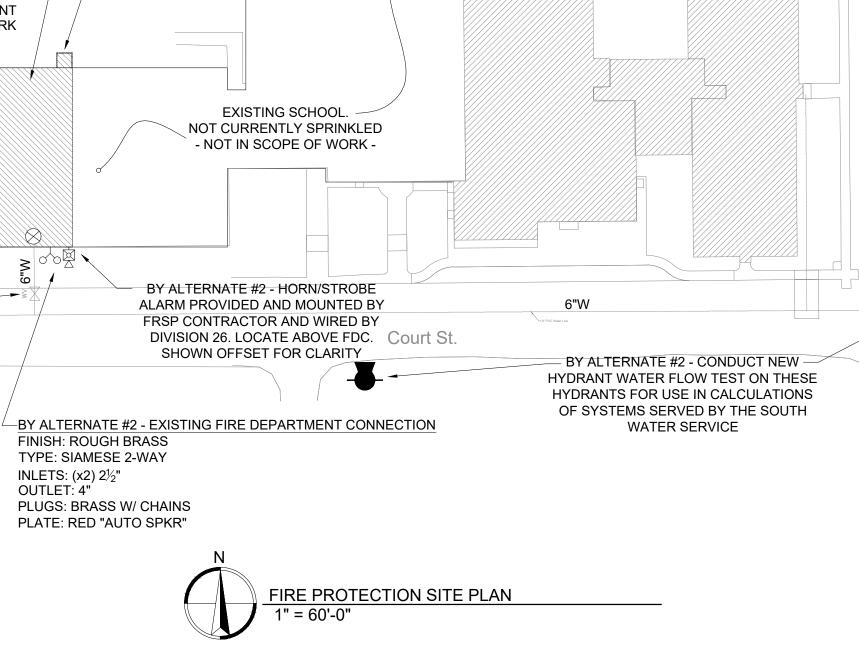
COMBUSTIBLE ROOF ATTIC SPACE NOT IN SCOPE OF WORK

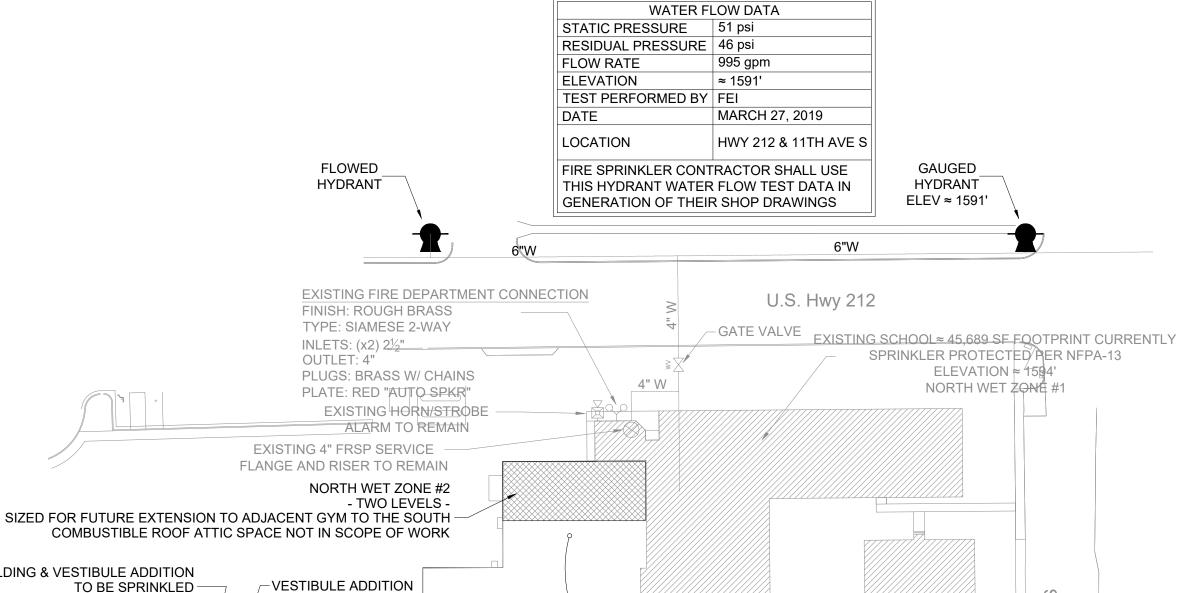
BY ALTERNATE #1 - NEW ADDITION BY ALTERNATE #2.1 - NEW ADDITION TO BE SPRINKLED 1,652 SF FOOTPRINT

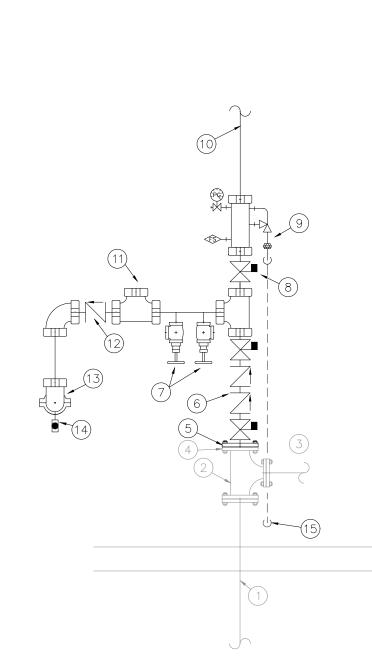
SOUTH WET ZONE #1-

GATE VALVE









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

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. 2. 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. 3. REFER TO SPECIFICATION DIVISION 21 1000 FOR ADDITIONAL FIRE SPRINKLER SYSTEM INFORMATION. 4. ALL SPRINKLERS IN LIGHT HAZARD OCCUPANCIES ARE TO BE OF THE QUICK RESPONSE TYPE . SPRINKLERS ARE REQUIRED TO BE PROTECTED DURING PAINTING. 6. 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.

GENERAL NOTES:

- 7. SPRINKLER GUARDS ARE TO BE INSTALLED ON ALL EXPOSED SPRINKLERS ELEVATED BELOW 7'-0" AND THROUGHOUT AREAS WHERE HEADS ARE EXPOSED TO INTERFERENCE DAMAGE.
- 8. ALL SYSTEMS PIPING AND FITTINGS TO MEET THE REQUIREMENTS OF NFPA 13.
- 9. REQUIRED SYSTEM TESTING IS THE RESPONSIBILITY OF THE FIRE SPRINKLER CONTRACTOR PER NFPA 25. 10. 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/AHJ REQUESTS SHALL BE MADE PRIOR TO BID BY THE FIRE SPRINKLER
- CONTRACTOR. 11. 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.
- 12. UPRIGHT SPRINKLERS TO HAVE A BRASS FINISH THROUGHOUT, UNLESS NOTED OTHERWISE.
- 13. ALL GROOVED STEEL PIPING SHALL BE SCHEDULE 10 MINIMUM. 14. ALL THREADED STEEL PIPING SHALL BE SCHEDULE 40. 15. ALL DRY PIPING SHALL BE SCHEDULE 40.
- 16. ALL PIPING THAT PENETRATES AN EXTERIOR WALL SHALL BE GALVANIZED SCHEDULE 40. 17. ALL THREADED FITTINGS SHALL BE DUCTILE IRON.
- 18. ALL PIPE & FITTINGS EXPOSED TO BUILDING'S EXTERIOR SHALL BE GALVANIZED. 19. LISTED FLEX PIPING TO PENDENT HEADS IN CEILINGS IS ALLOWED FOR THIS
- PROJECT IF PROVEN HYDRAULICALLY. 20. CPVC IS NOT ALLOWED FOR THIS PROJECT. 21. ALL MATERIAL BEING INSTALLED MUST BE NEW AND LISTED FOR USE. 22. 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.
- 23. 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 ENGINEER. 24. ALL ARCHITECTURAL, MECHANICAL, STRUCTURAL, CIVIL, & ELECTRICAL
- FEATURES INDICATED ON THE FP SHEETS SHALL BE VERIFIED BY CONSULTING THE A, M, S, C, & E SHEETS. 25. ALL SPRINKLERS LOCATED NEAR HEAT PRODUCING DEVICES SHALL BE
- PROVIDED WITH THE APPROPRIATE TEMPERATURE RATING PER THE REQUIREMENTS OF NFPA 13. 26. 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.
- 27. SPARE SPRINKLERS SHALL BE PROVIDED PER THE REQUIREMENTS OF NFPA 13 28. CONTRACTOR TO PROVIDE OWNER WITH COPY OF NPPA 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/ft<sup>2</sup> PER MOST DEMANDING 1500 ft<sup>2</sup>
- OH1) ORDINARY HAZARD GROUP 1 OCCUPANCIES
- •• 0.15 gpm/ft<sup>2</sup> PER MOST DEMANDING 1500 ft<sup>2</sup>
- OH2 ORDINARY HAZARD GROUP 2 OCCUPANCIES
- 0.20 gpm/ft<sup>2</sup> PER MOST DEMANDING 1500 ft<sup>2</sup> 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

A1

A2

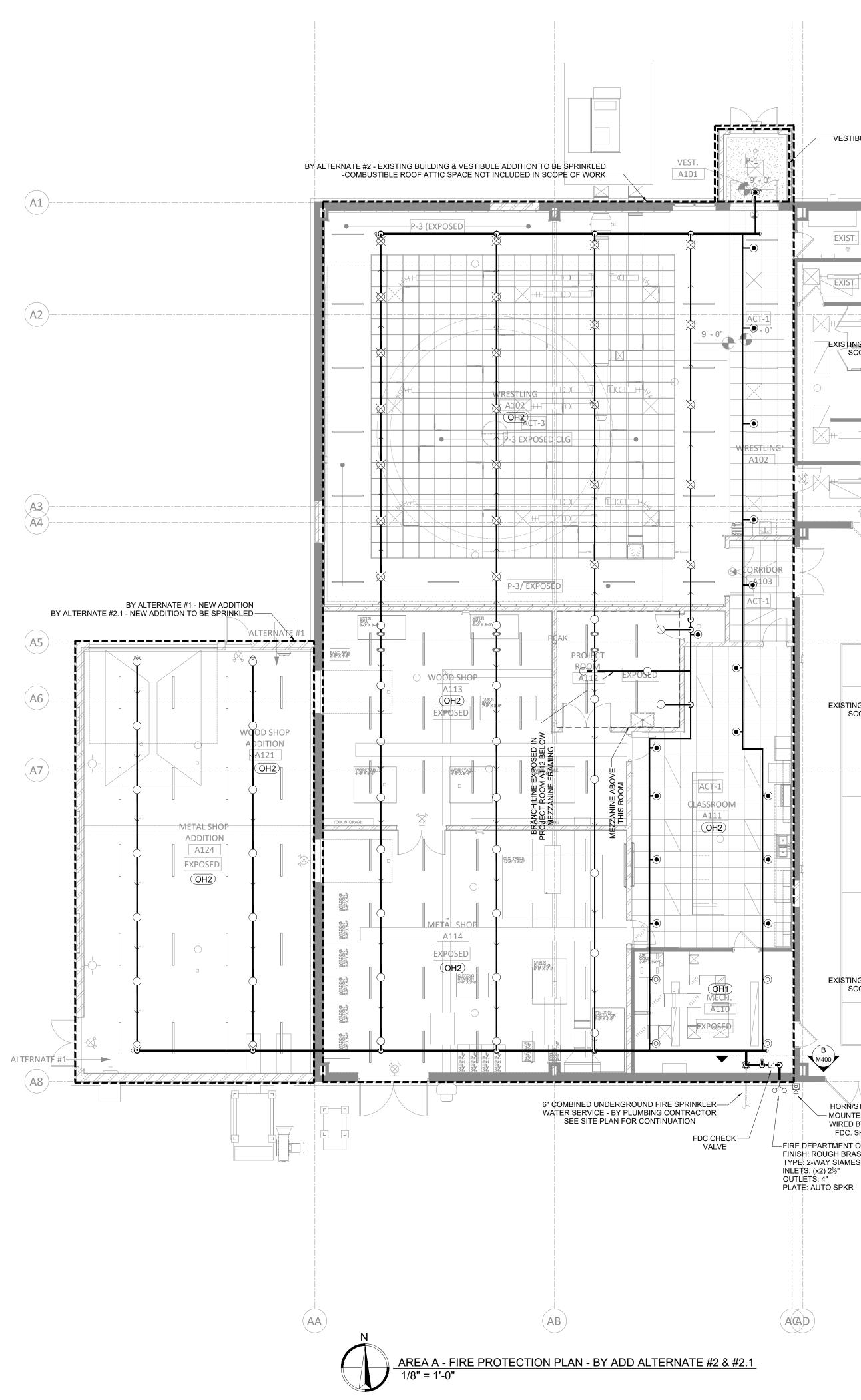
(A3)-(A4)-

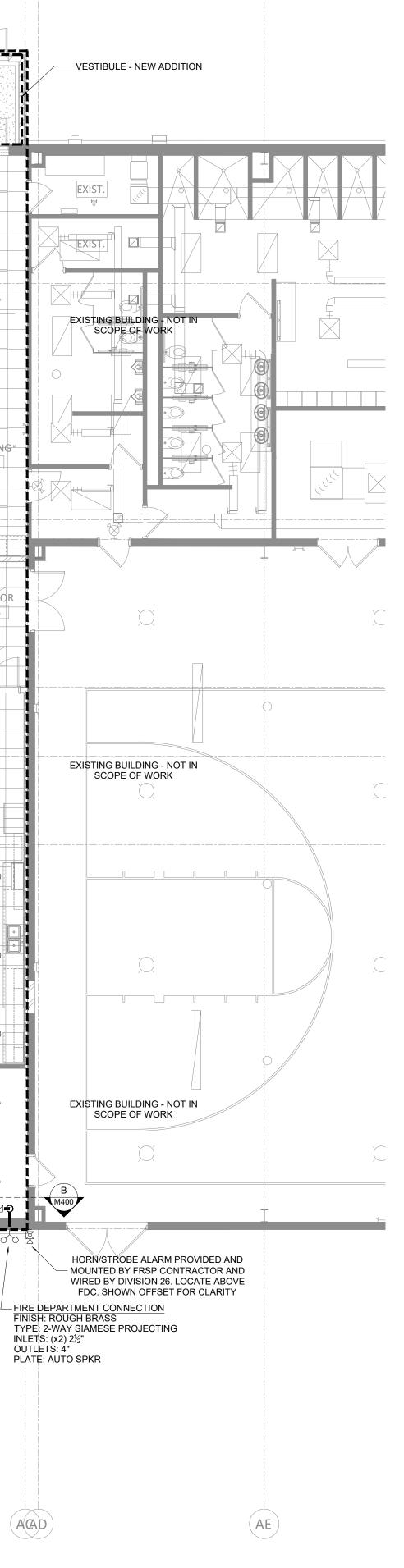
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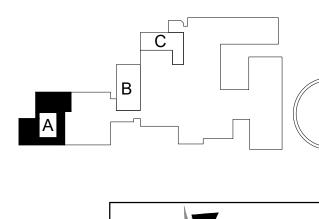
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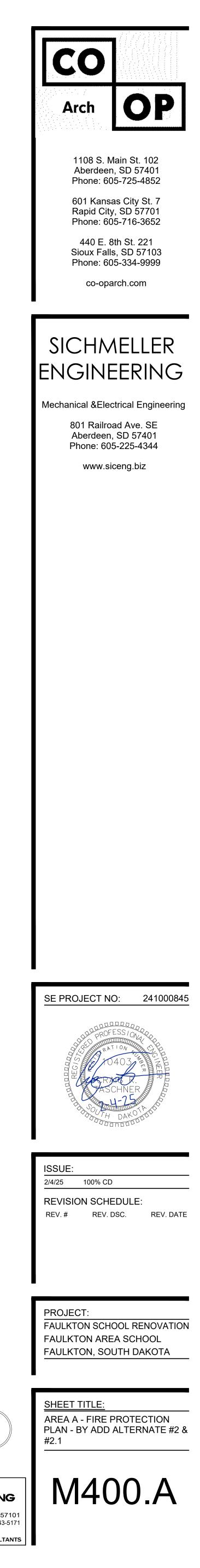
( **A**8 )

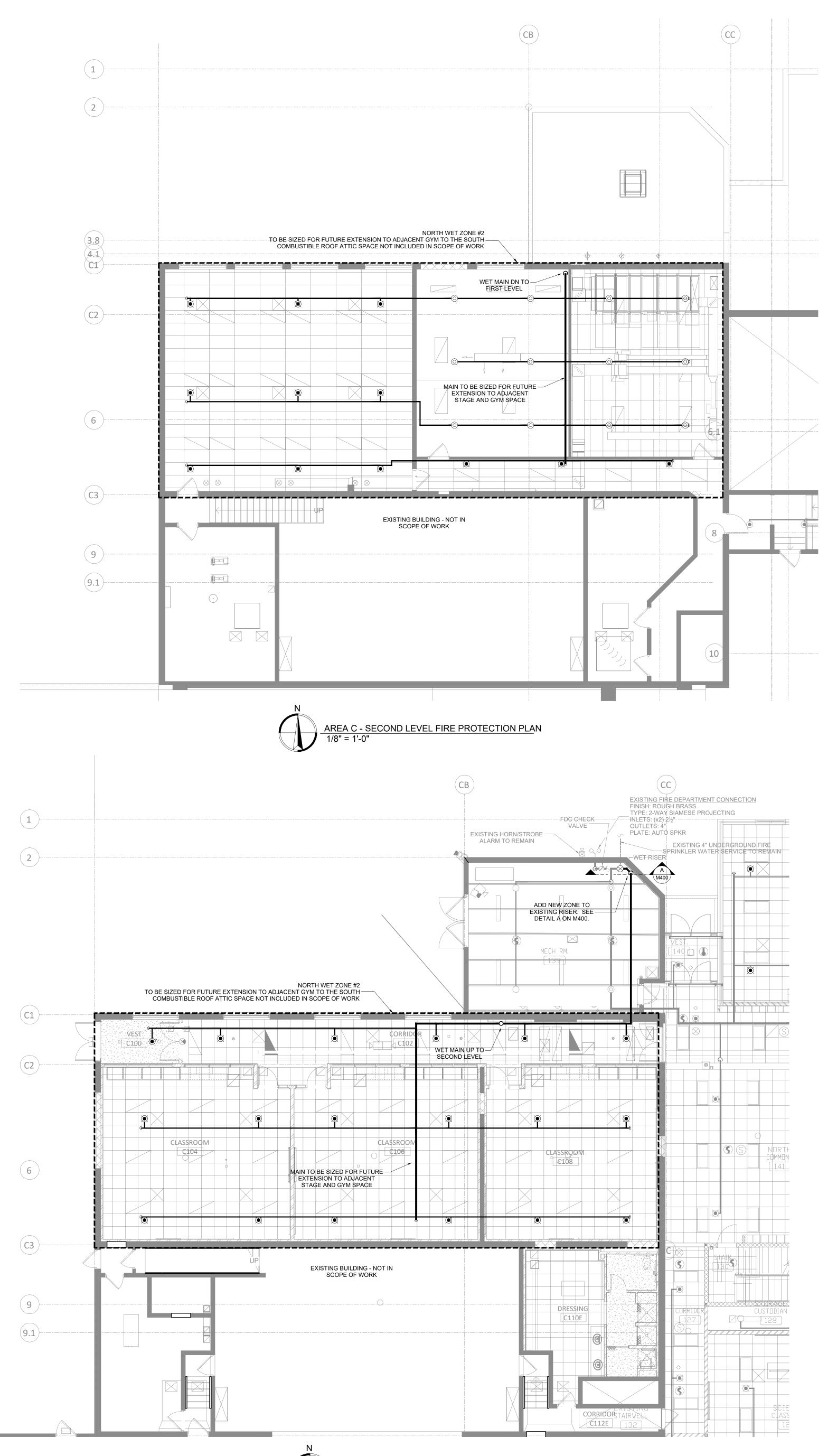




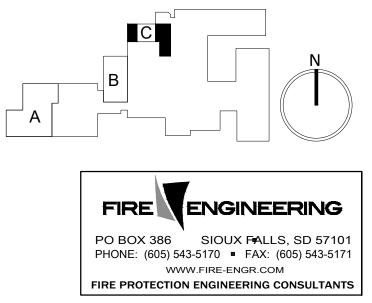


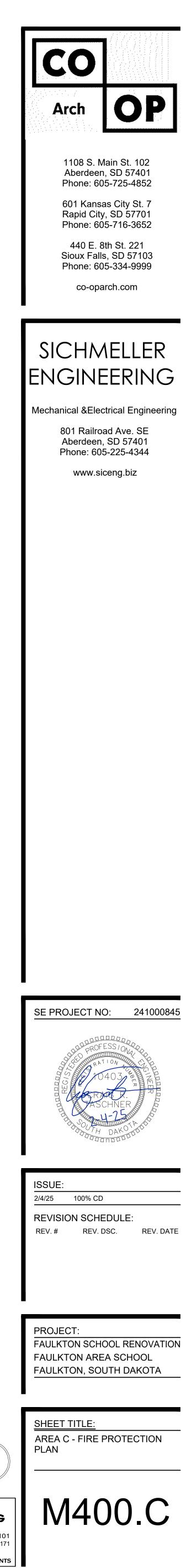
FIRE PO BOX 386 SIOUX FALLS, SD 57101 PHONE: (605) 543-5170 ■ FAX: (605) 543-5171 WWW.FIRE-ENGR.COM FIRE PROTECTION ENGINEERING CONSULTANTS





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





### 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.

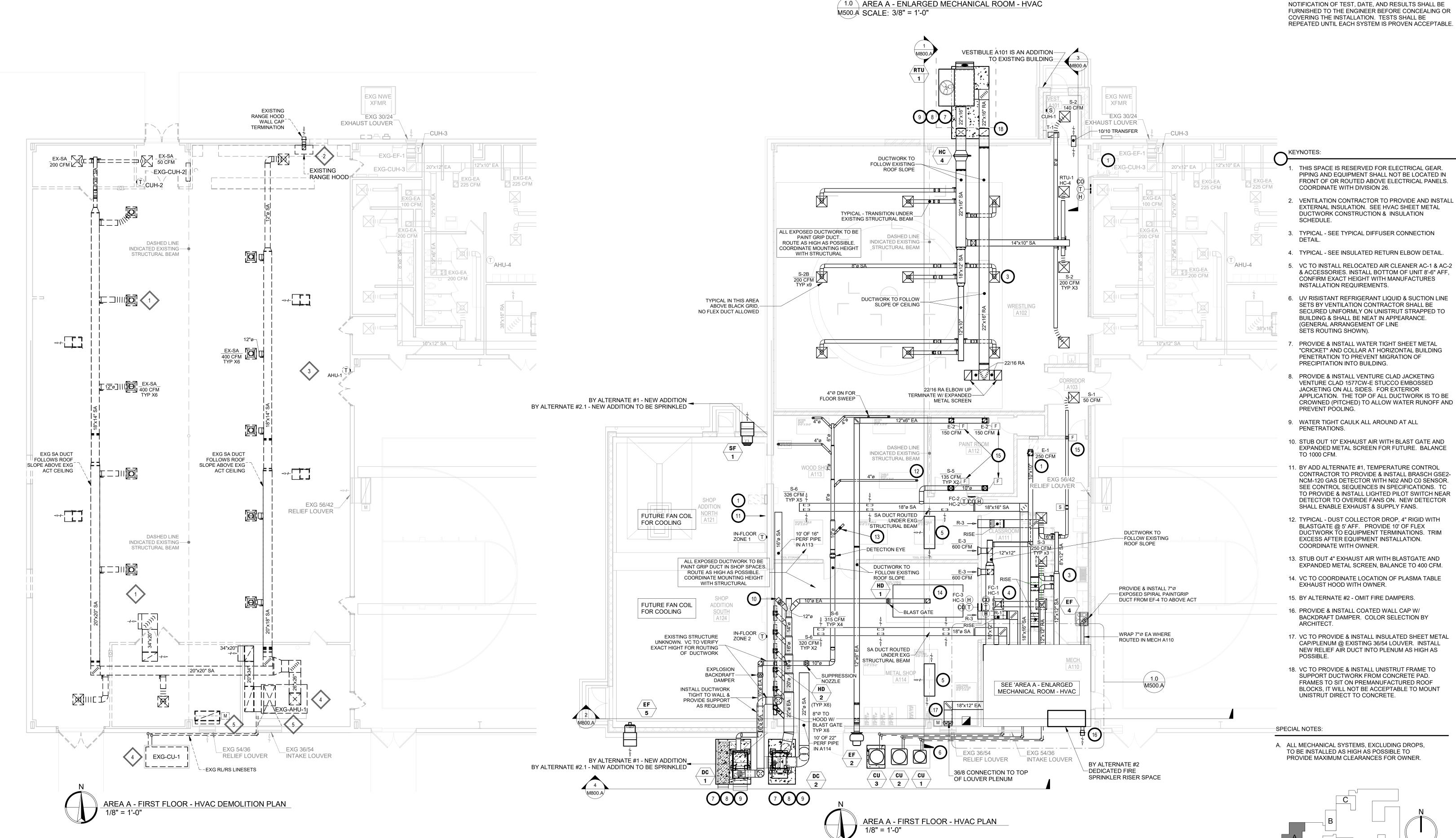
C. EQUIPMENT SHOWN ON DRAWINGS AS EXISTING IS BASED ON EXISTING PLANS AND LIMITED FIELD INVESTIGATION. THE FIELD SURVEY WAS CONDUCTED TO VERIFY, AS MUCH AS POSSIBLE, THE ACCURACY OF THE LOCATIONS SHOWN. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THE "EXISTING CONDITIONS" AS SHOWN ON THE DRAWINGS AS 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.

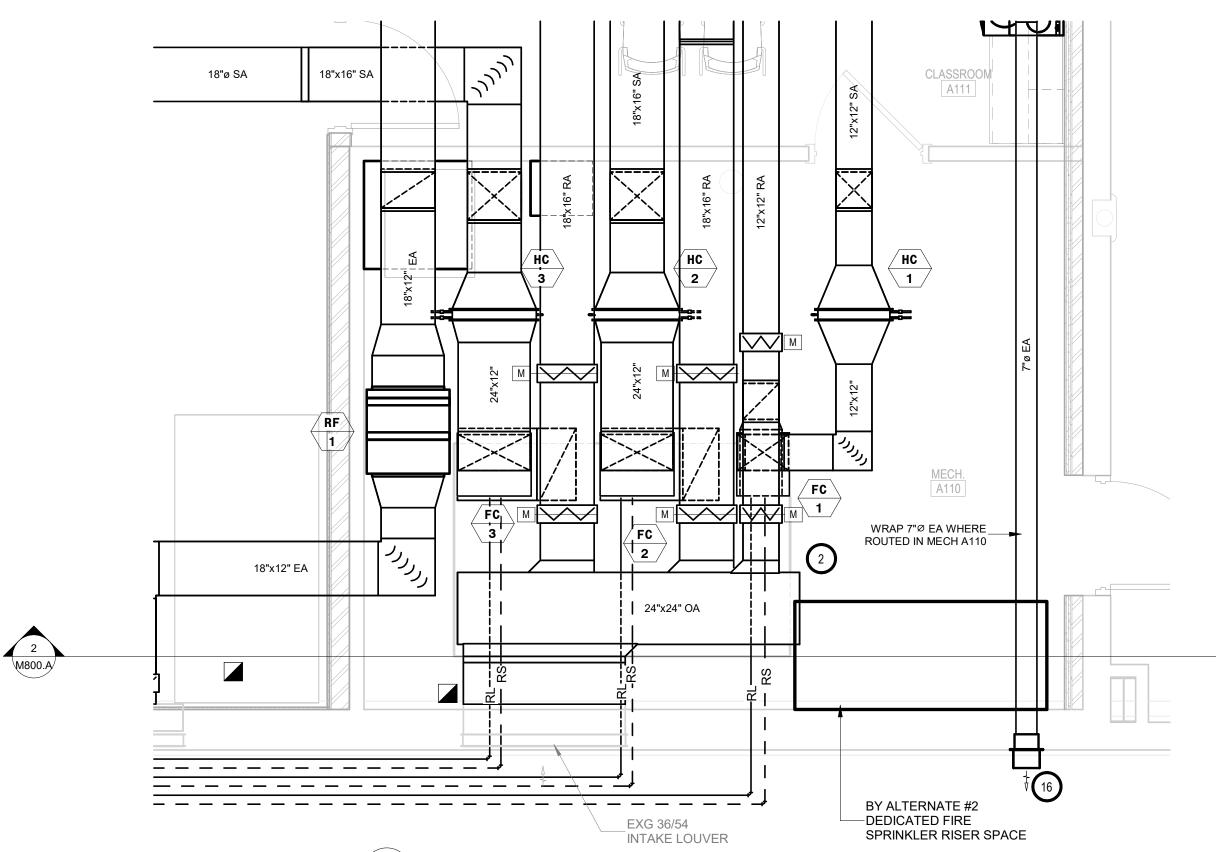
D. THE EXISTING BUILDING WILL BE IN USE DURING THIS CONSTRUCTION. SCHEDULE AND CARRY OUT THE WORK IN SUCH A MANNER AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTIONS. TEMPORARY SERVICES SHALL BE INSTALLED IF ONE PHASE OF CONSTRUCTION DISRUPTS SERVICE TO ANOTHER AREA OF THE 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.

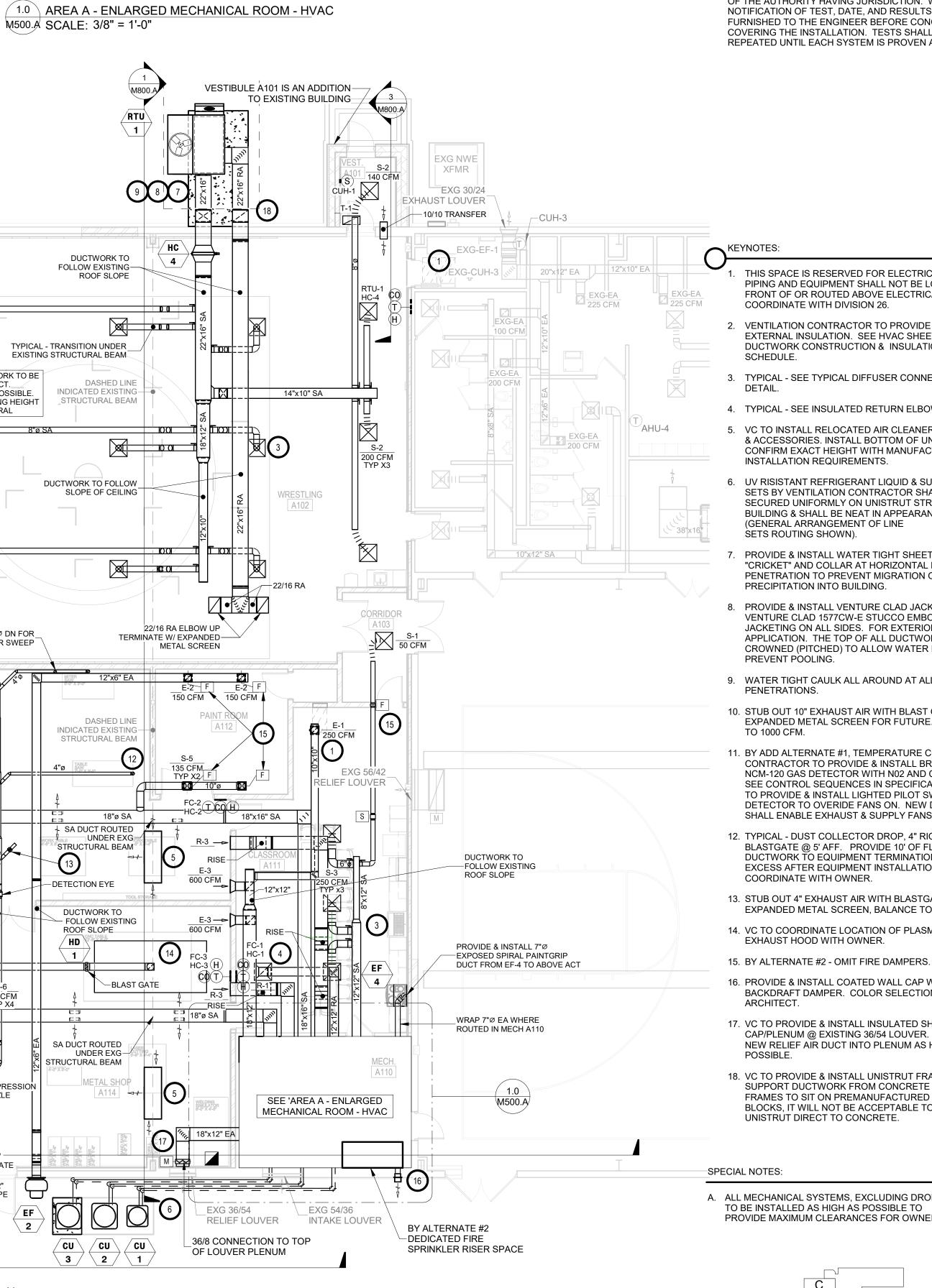
E. PROVIDE PENETRATIONS TO THE BUILDING STRUCTURE AS REQUIRED FOR INSTALLATION. WHERE EXISTING OR TEMPORARY SYSTEMS ARE BEING DEMOLISHED, WHICH LEAVE OPENINGS IN THE EXISTING BUILDING STRUCTURE, THE BUILDING STRUCTURE SHALL BE PATCHED TO MATCH THE EXISTING CONSTRUCTION AND MAINTAIN THE EXISTING BUILDING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

# DEMOLITION KEYNOTES:

- VC TO DISCONNECT AND REMOVE DUCTWORK AND REGISTERS SHOWN DARK AND DASHED. SEE PROPOSED.
- 2. VC TO DISCONNECT AND REMOVE EXISTING RANGEHOOD AND WALL CAP. GC TO PATCH.
- 3. TYPICAL TC TO DEMO EXISTING T-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 HIS/HER ACTIONS. PATCHING SHALL MATCH EXISTING SURFACE IN COLOR, TEXTURE AND QUALITY SO THAT

### 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

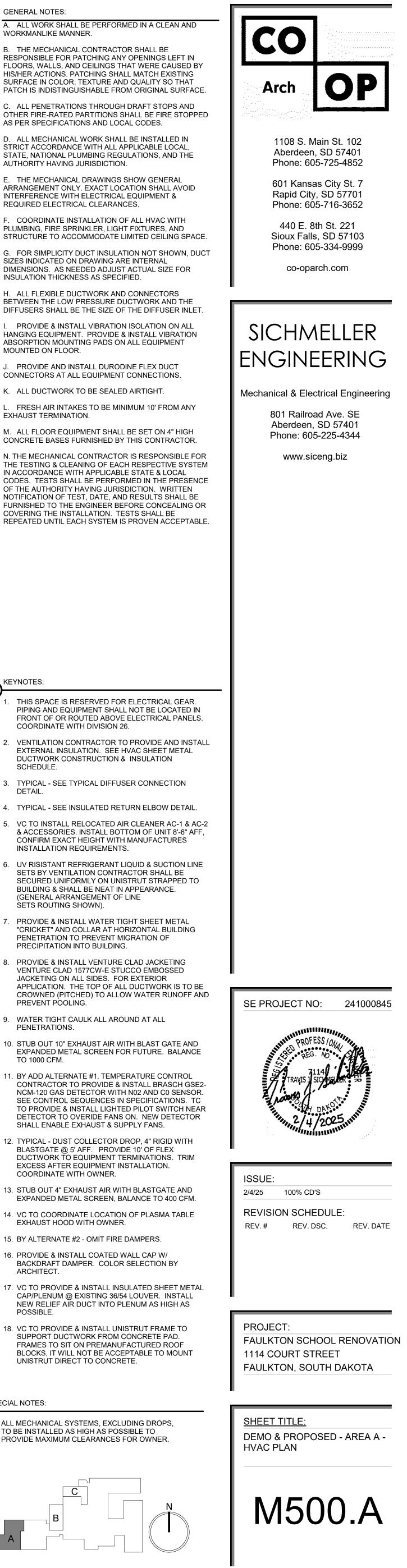
DIFFUSERS SHALL BE THE SIZE OF THE DIFFUSER INLET. I. PROVIDE & INSTALL VIBRATION ISOLATION ON ALL HANGING EQUIPMENT. PROVIDE & INSTALL VIBRATION ABSORPTION MOUNTING PADS ON ALL EQUIPMENT MOUNTED ON FLOOR.

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



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.

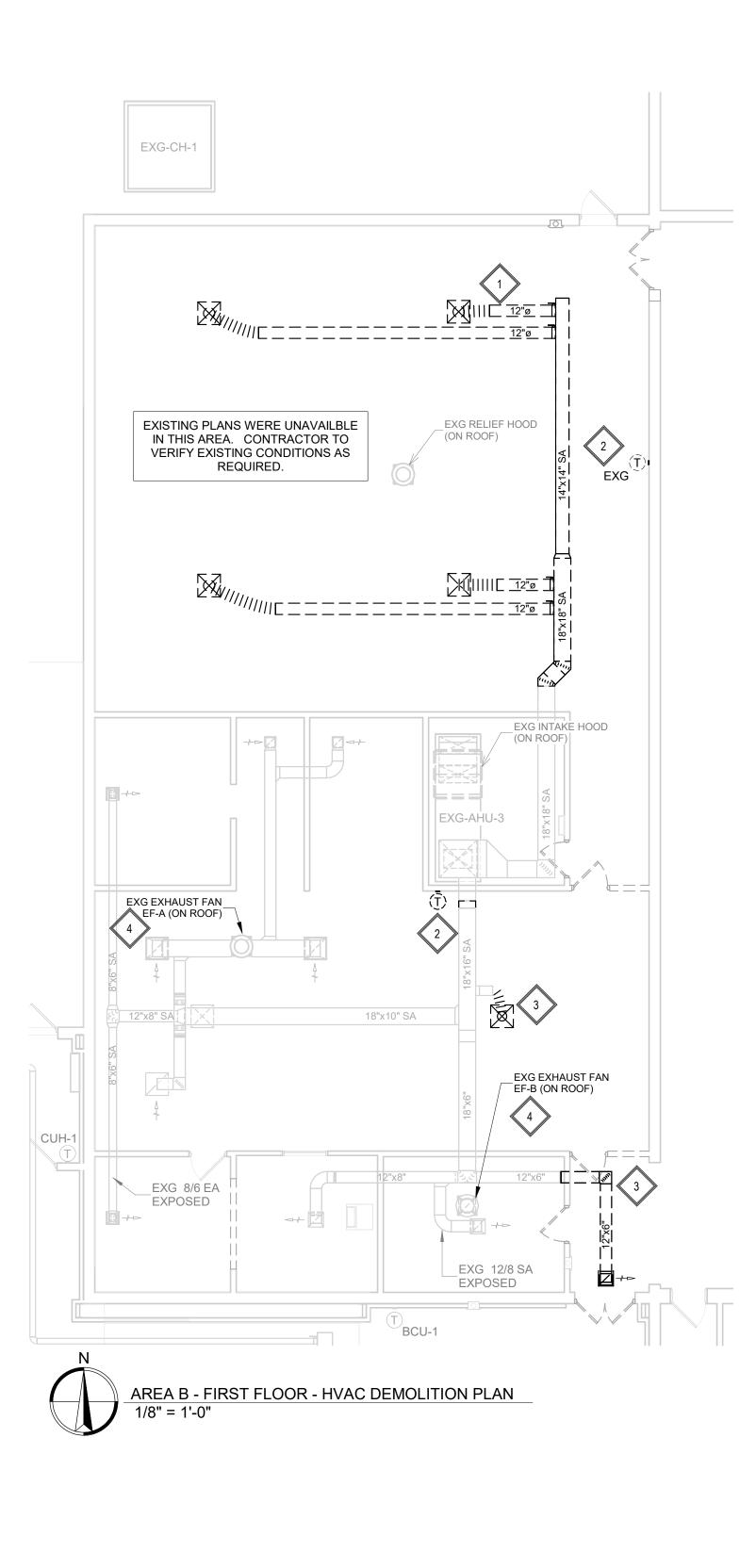
D. THE EXISTING BUILDING WILL BE IN USE DURING THIS CONSTRUCTION. SCHEDULE AND CARRY OUT THE WORK IN SUCH A MANNER AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTIONS. TEMPORARY SERVICES SHALL BE INSTALLED IF ONE PHASE OF CONSTRUCTION DISRUPTS SERVICE TO ANOTHER AREA OF THE 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.



- VC TO DISCONNECT AND REMOVE DUCTWORK AND REGISTERS SHOWN DARK AND DASHED. SEE PROPOSED.
- 2. TYPICAL TC TO DEMO EXISTING T-STATS AND DDC TEMPERATURE CONTROLS. 3. VC TO RELOCATE EXISTING SA DIFFUSER TO ACCOMMODATE PROPOSED REMODEL. SEE
- PROPOSED. 4. COORIDINATE WITH EC TO DEMO EXISTING LINE

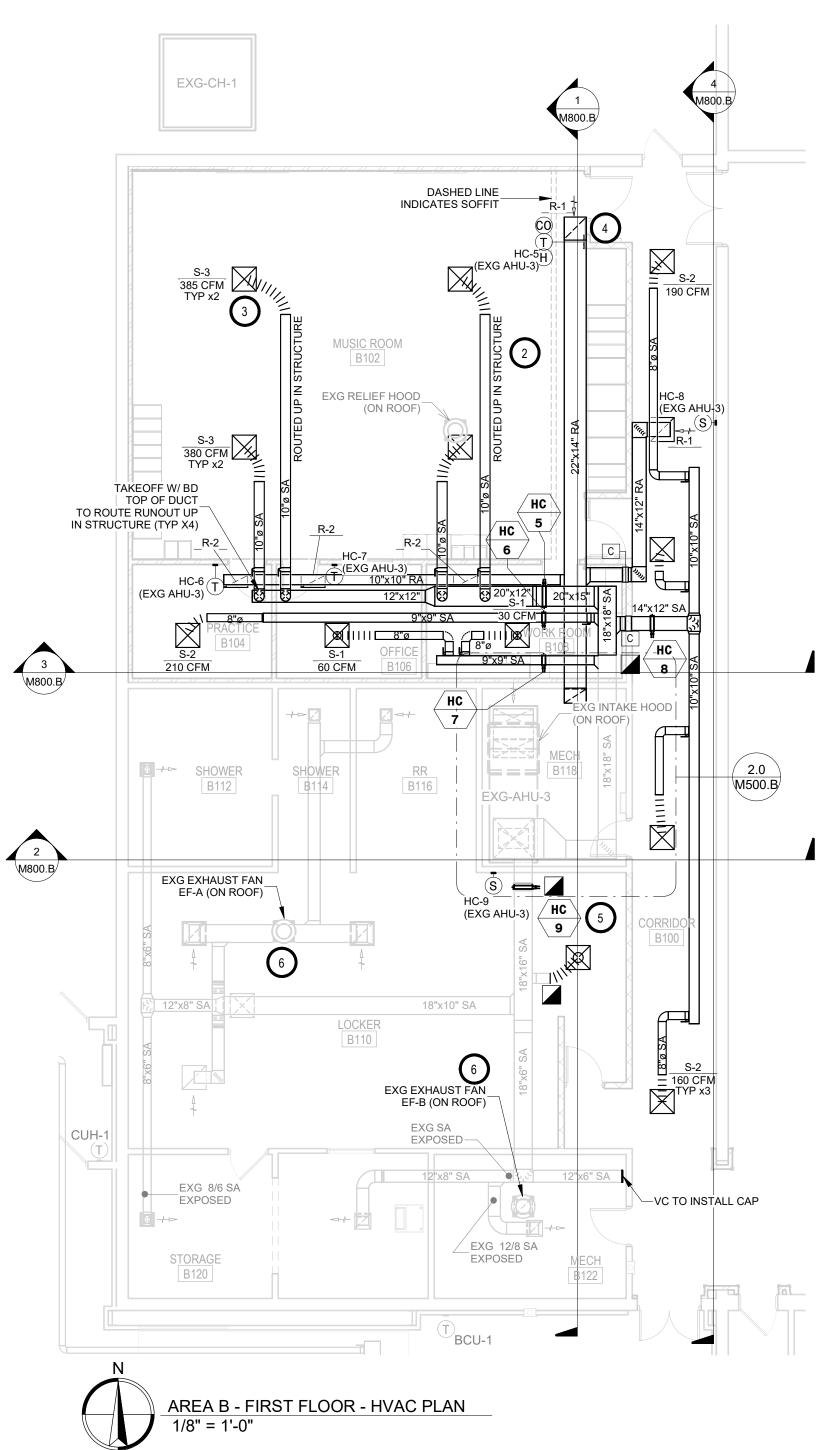
SEE PROPOSED.

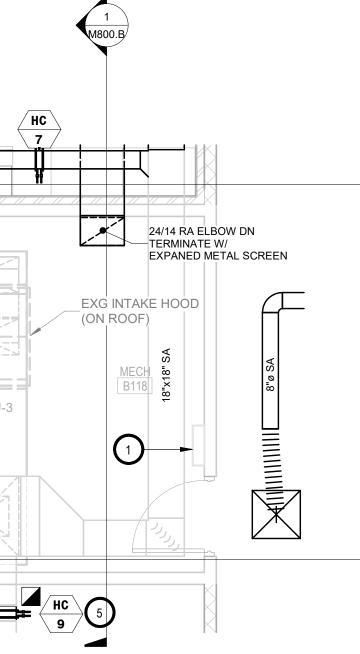


# VOLTAGE CONTROLS OF EXISTING EXHAUST FANS.

9"x9" SA 3 \M800.B∕ -----EXG AHU-3 FULL SIZE RA OPENING ╘═══╡ EXG-AHU-3 2M800.B HC-9 (S) (EXG AHU-3)

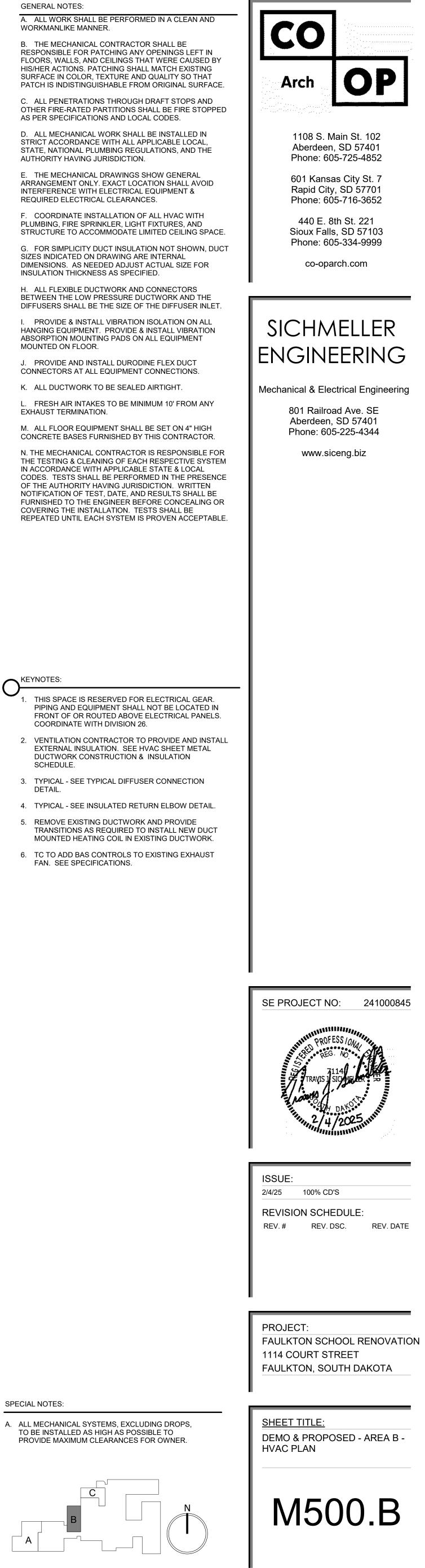
M500.B SCALE: 1/4" = 1'-0"





(2.0) AREA B - ENLARGED MECHANICAL ROOM - HVAC

- COORDINATE WITH DIVISION 26.
- SCHEDULE.



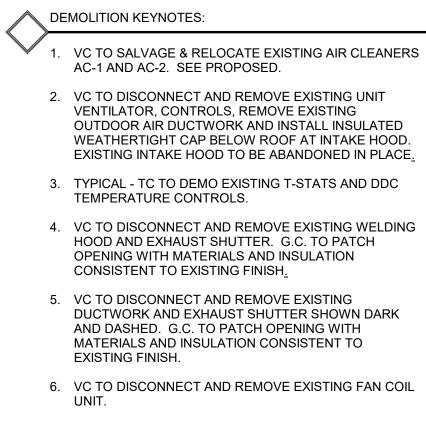
DEMOLITION GENERAL NOTES:
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B. REMOVE MECHANICAL EQUIPMENT IN THE AREAS
SHOWN ON THE PLAN, DISCONNECT SERVICES AND REMOVE TO A POINT OUT OF THE WAY OF THE GENERAL
DEMOLITION. MARK ON THE PLAN TO CLEARLY SHOW
WHERE THESE SERVICES ARE STOPPED. DEMOLITION 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

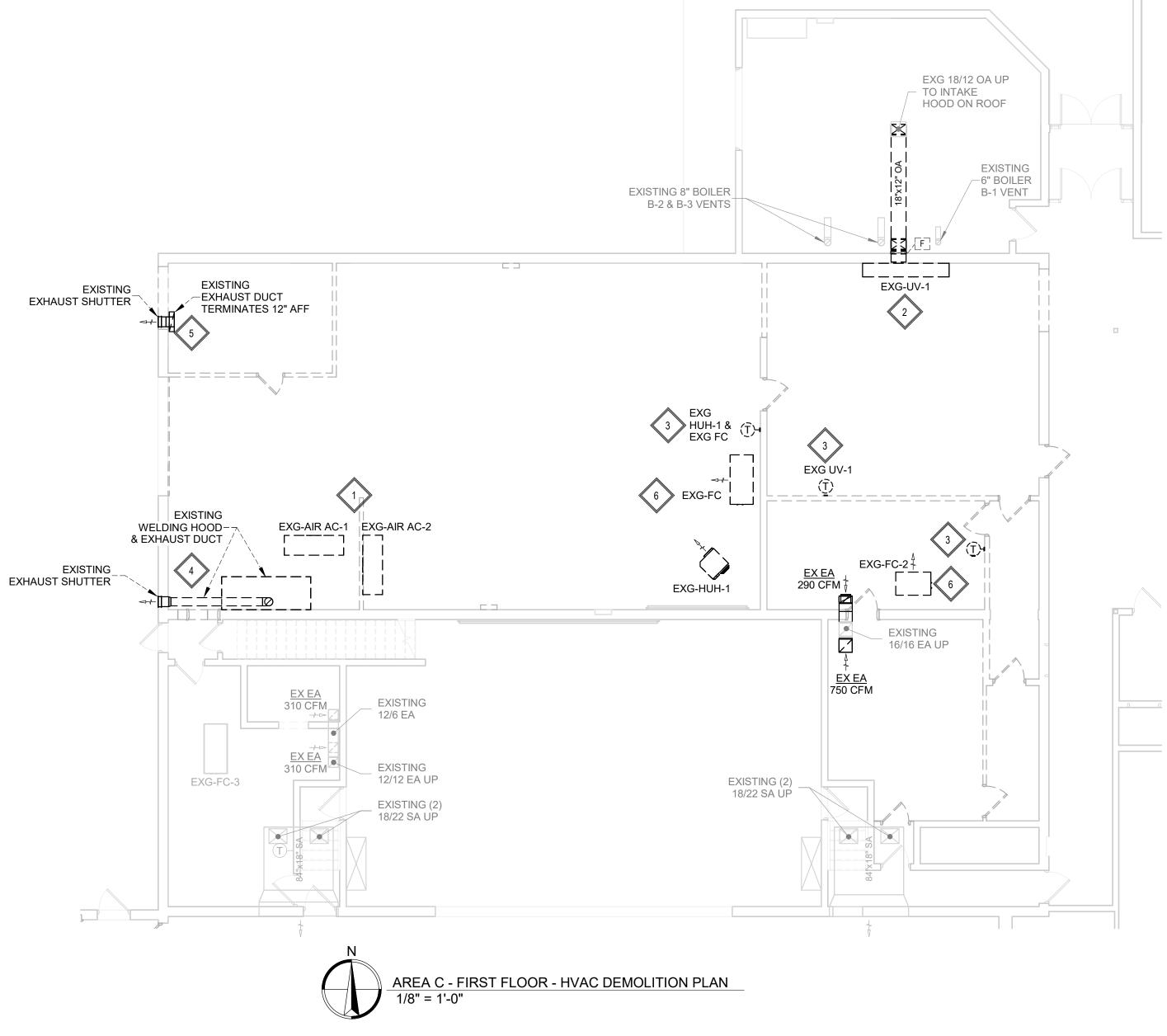
C. EQUIPMENT SHOWN ON DRAWINGS AS EXISTING IS BASED ON EXISTING PLANS AND LIMITED FIELD INVESTIGATION. THE FIELD SURVEY WAS CONDUCTED TO VERIFY, AS MUCH AS POSSIBLE, THE ACCURACY OF THE LOCATIONS SHOWN. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THE "EXISTING CONDITIONS" AS SHOWN ON THE DRAWINGS AS 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.

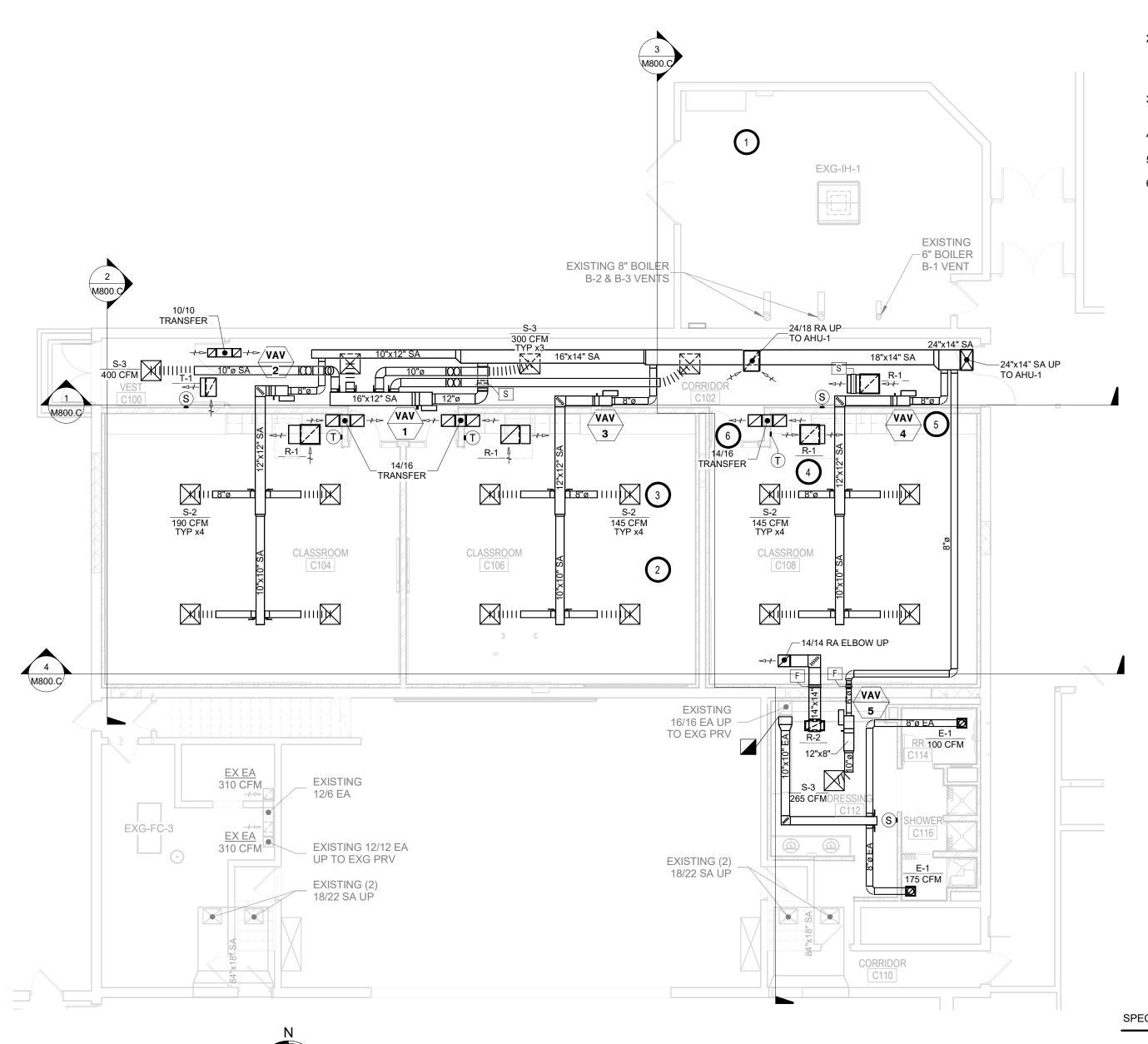
CONTRACTOR.

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.

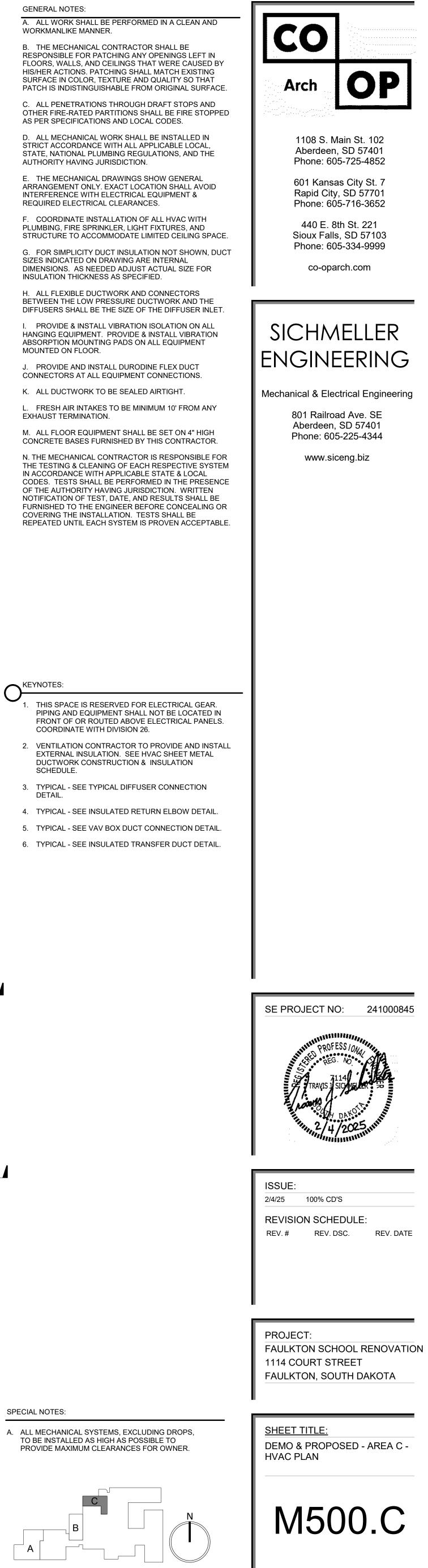
E. PROVIDE PENETRATIONS TO THE BUILDING STRUCTURE AS REQUIRED FOR INSTALLATION. WHERE EXISTING OR TEMPORARY SYSTEMS ARE BEING DEMOLISHED, WHICH LEAVE OPENINGS IN THE EXISTING BUILDING STRUCTURE, THE BUILDING STRUCTURE SHALL BE PATCHED TO MATCH THE EXISTING CONSTRUCTION AND MAINTAIN THE EXISTING BUILDING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







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



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.

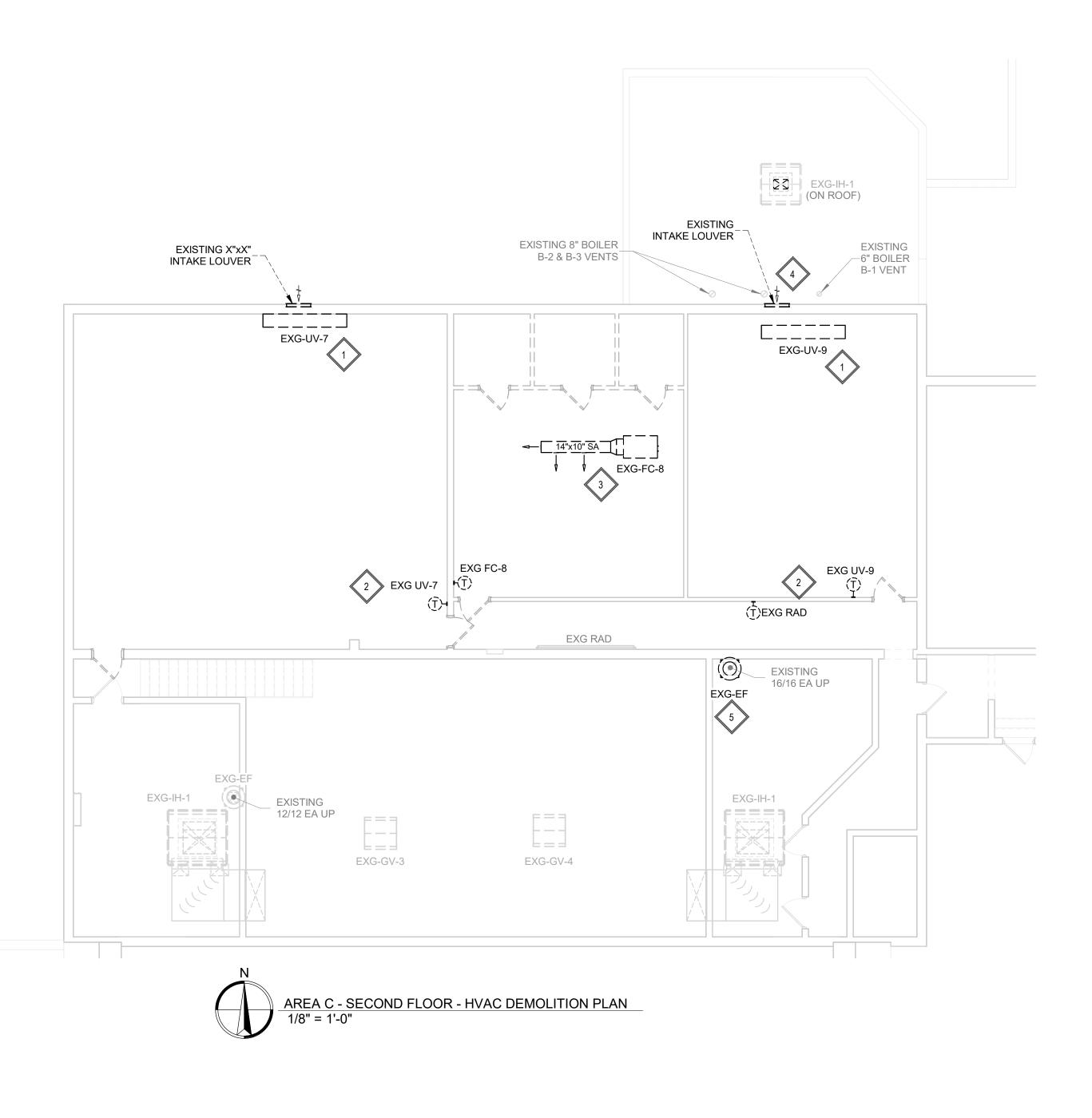
C. EQUIPMENT SHOWN ON DRAWINGS AS EXISTING IS BASED ON EXISTING PLANS AND LIMITED FIELD INVESTIGATION. THE FIELD SURVEY WAS CONDUCTED TO VERIFY, AS MUCH AS POSSIBLE, THE ACCURACY OF THE LOCATIONS SHOWN. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THE "EXISTING CONDITIONS" AS SHOWN ON THE DRAWINGS AS 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.

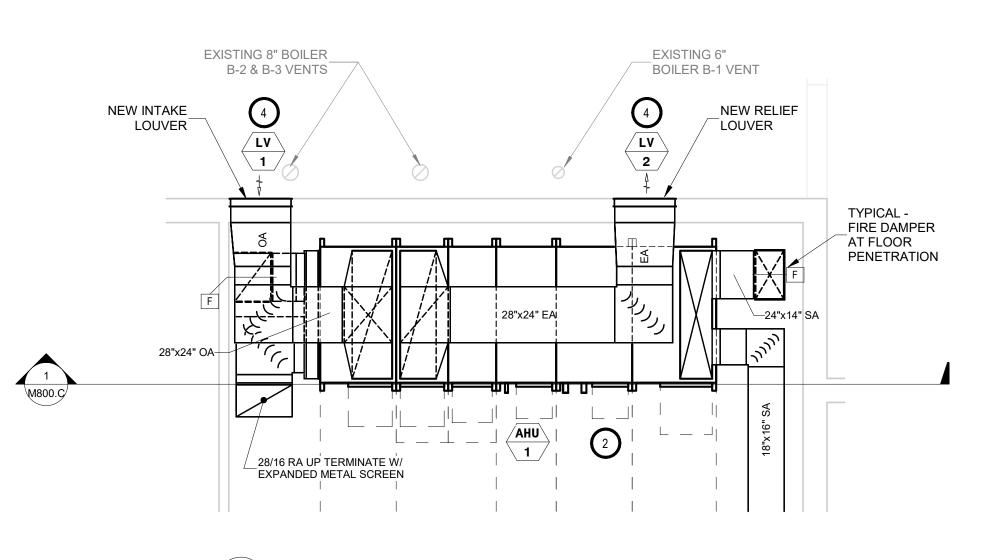
D. THE EXISTING BUILDING WILL BE IN USE DURING THIS CONSTRUCTION. SCHEDULE AND CARRY OUT THE WORK IN SUCH A MANNER AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTIONS. TEMPORARY SERVICES SHALL BE INSTALLED IF ONE PHASE OF CONSTRUCTION DISRUPTS SERVICE TO ANOTHER AREA OF THE 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.

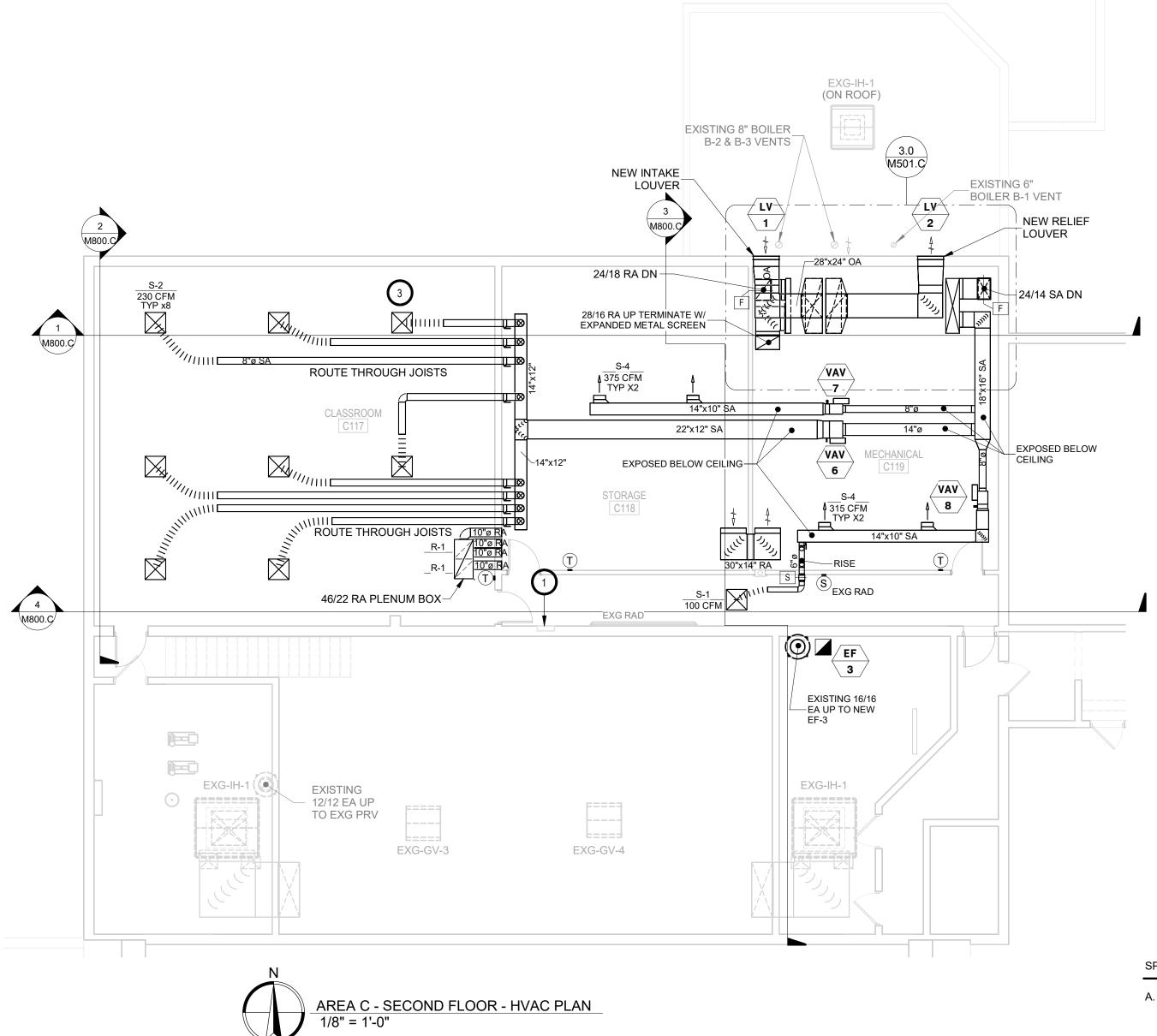


- VC TO DISCONNECT AND REMOVE EXISTING UNIT VENTILATOR, CONTROLS, REMOVE EXISTING OUTDOOR GRILLE, ETC. G.C. TO PATCH OPENING WITH MATERIALS AND INSULATION CONSISTENT TO EXISTING FINISH.
- 2. TYPICAL TC TO DEMO EXISTING T-STATS AND DDC TEMPERATURE CONTROLS.
- 3. VC TO DISCONNECT AND REMOVE EXISTING FAN 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.



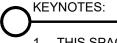


M501.¢ SCALE: 1/4" = 1'-0"

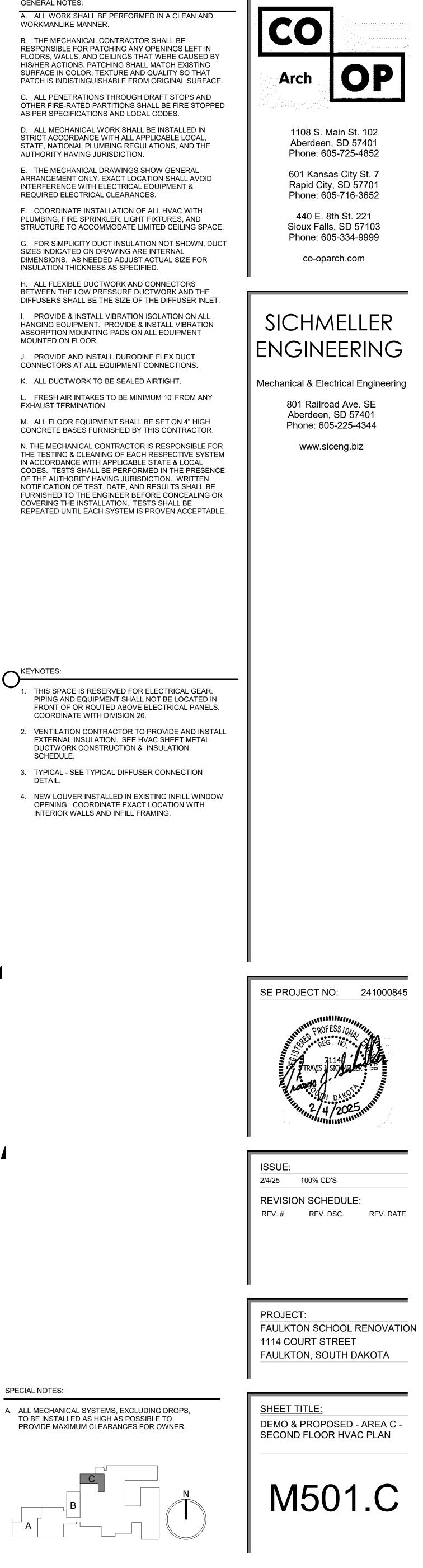


3.0 AREA C - ENLARGED SECOND FLOOR MECHANICAL ROOM - HVAC

# GENERAL NOTES:

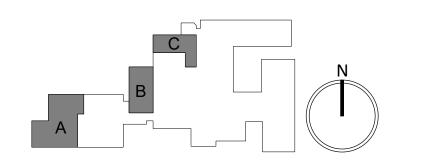


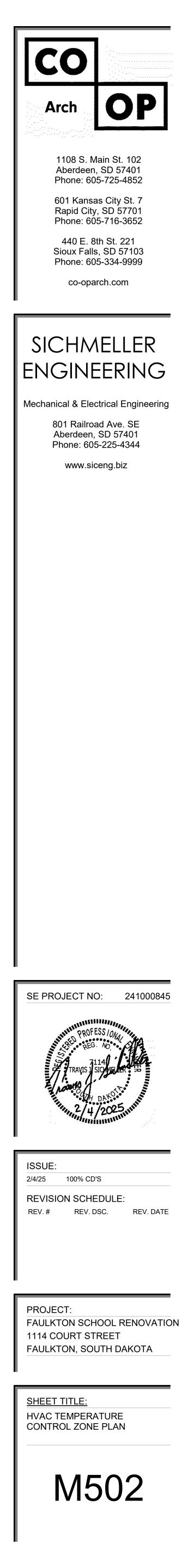
- COORDINATE WITH DIVISION 26.
- SCHEDULE.
- INTERIOR WALLS AND INFILL FRAMING.

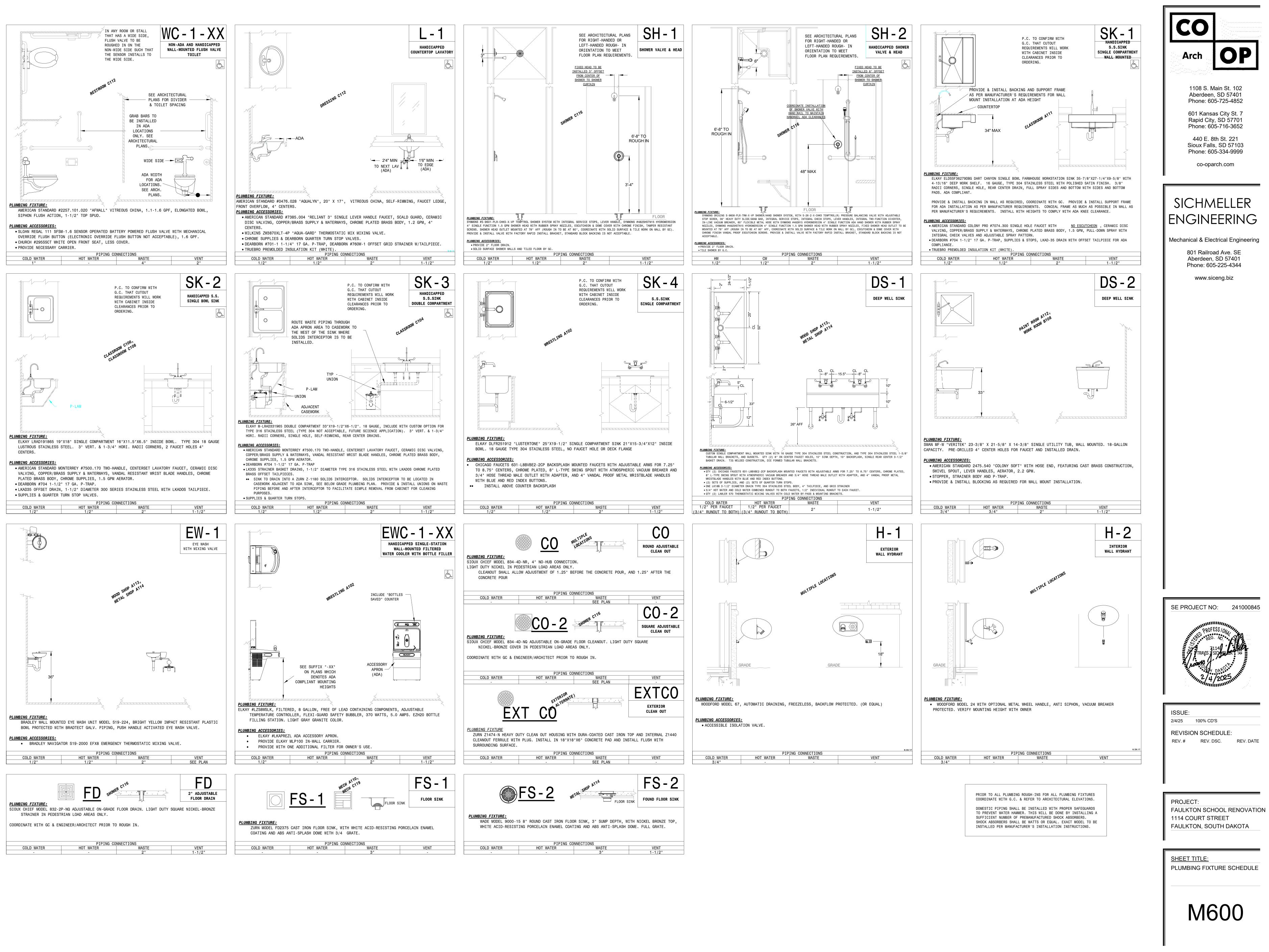


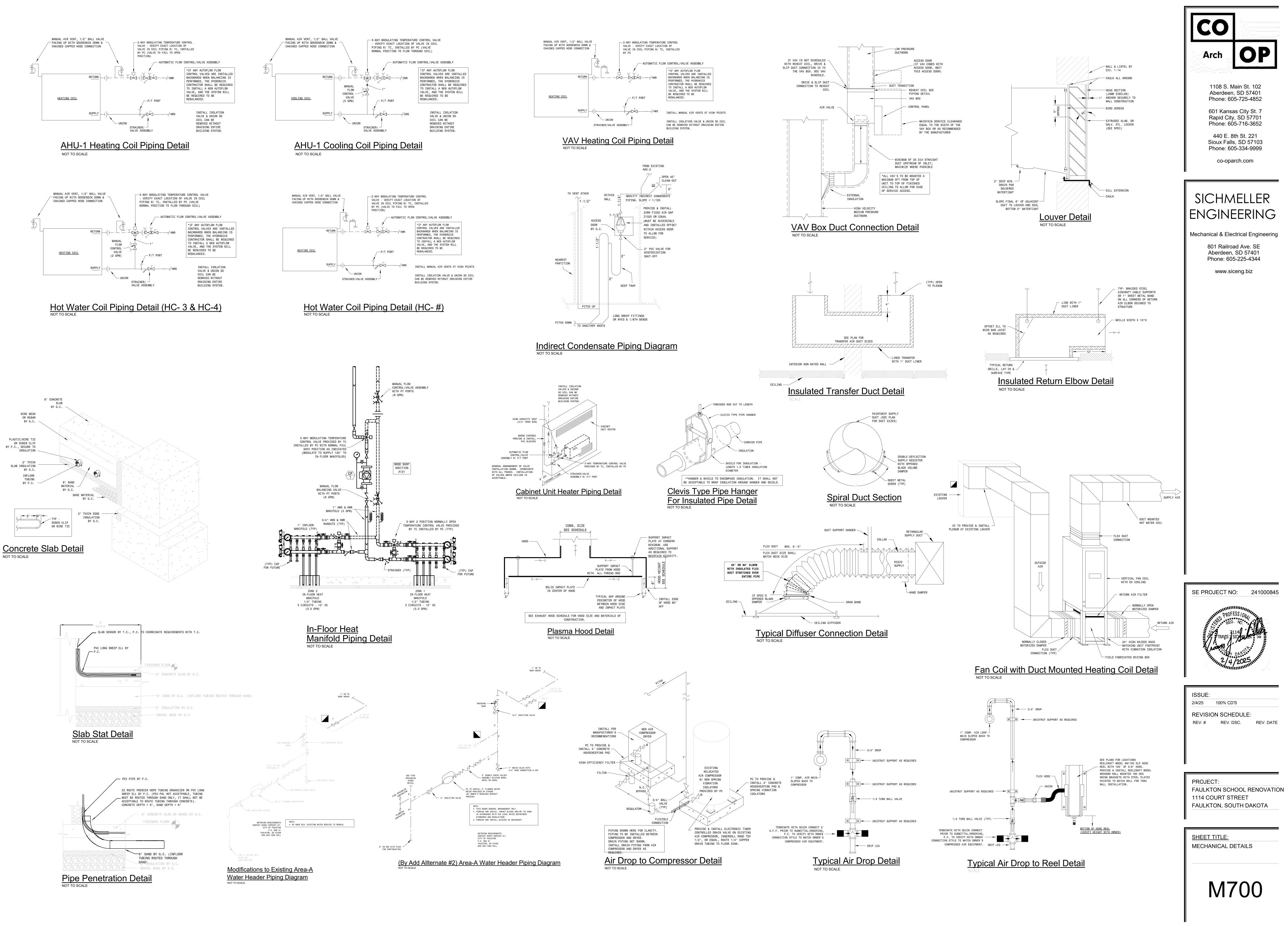


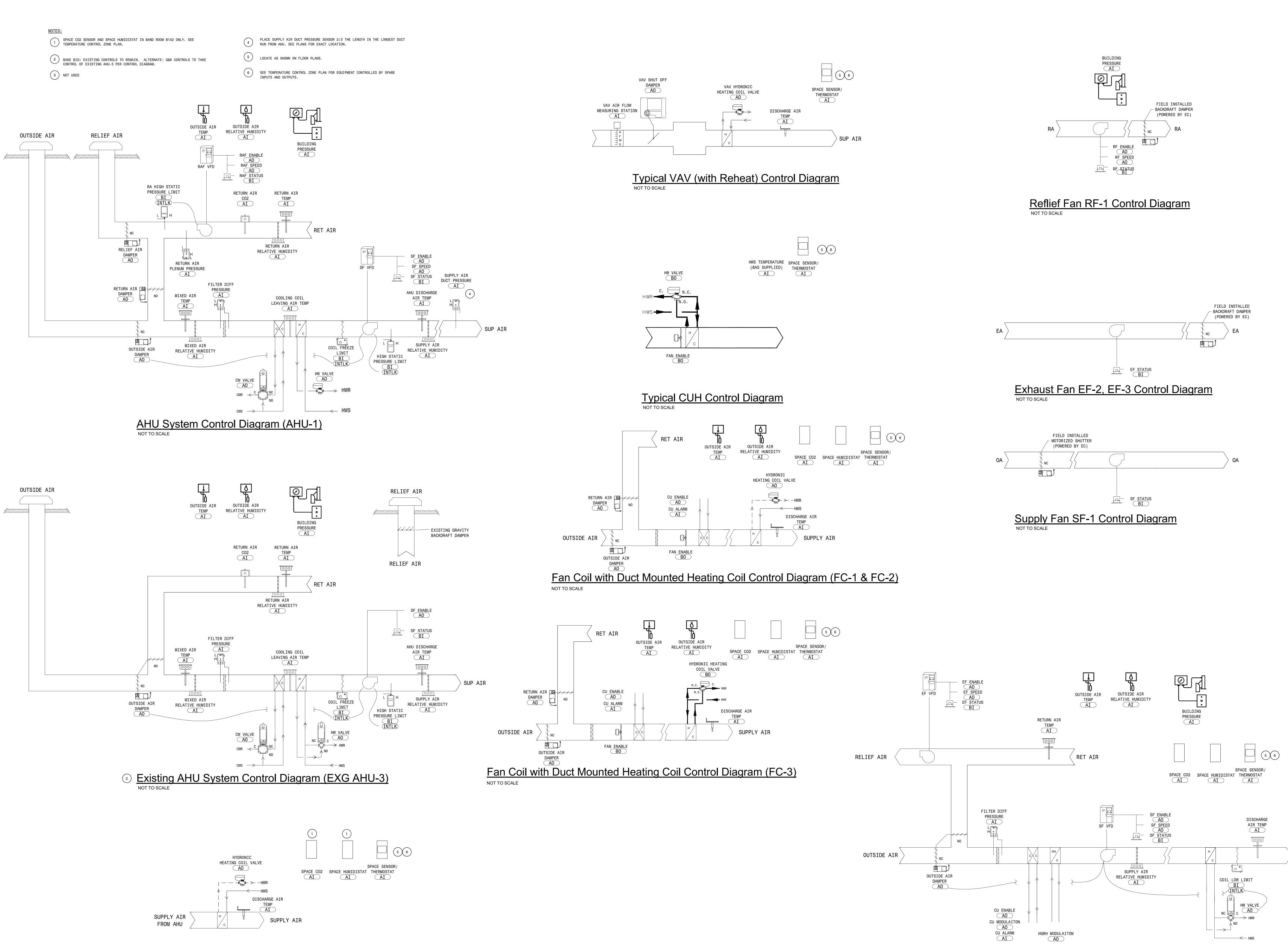




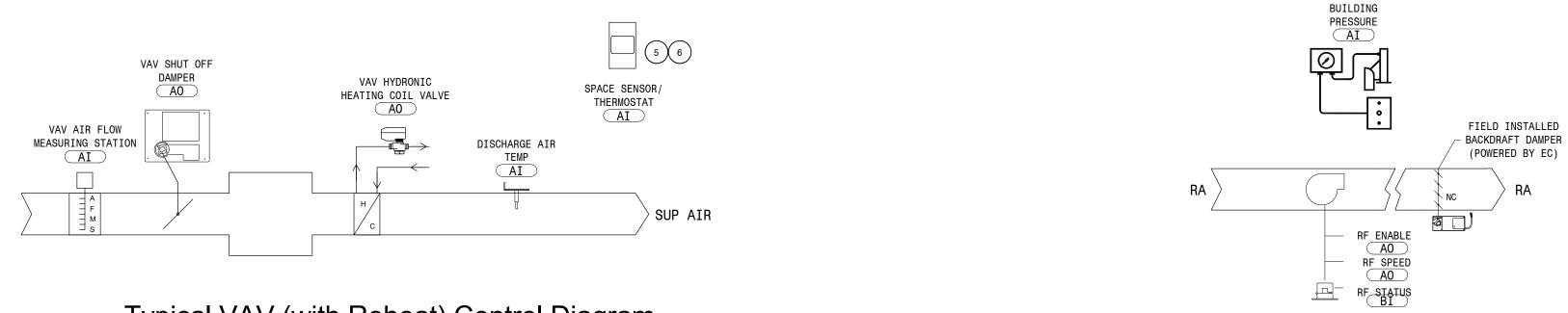




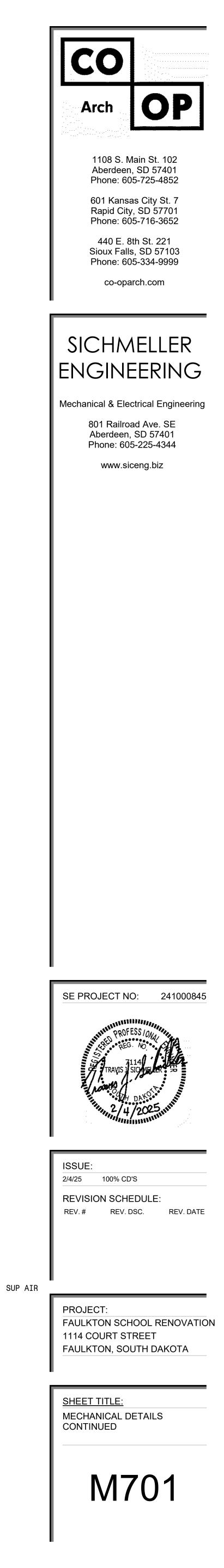


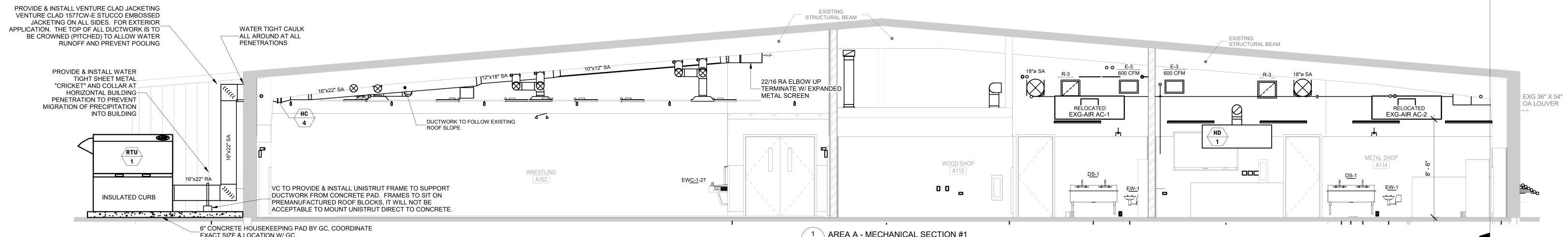


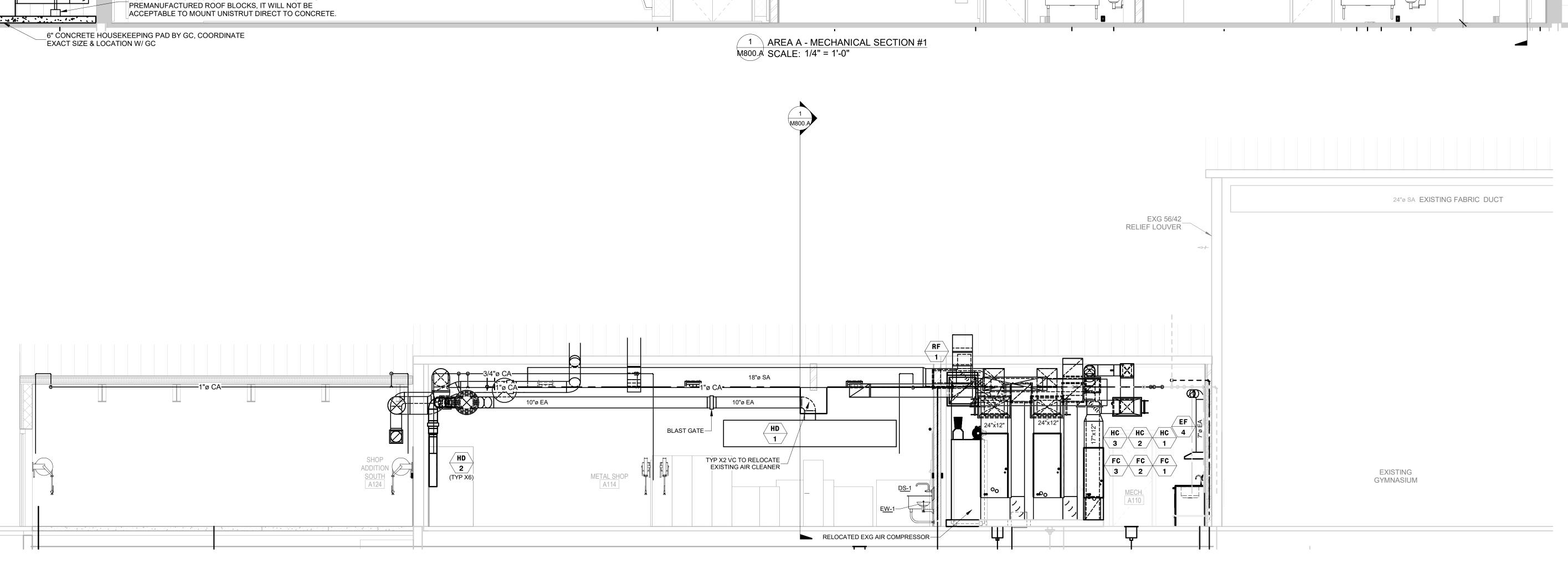
Typical Duct Mounted Heating Coil Control Diagram (HC-X) NOT TO SCALE

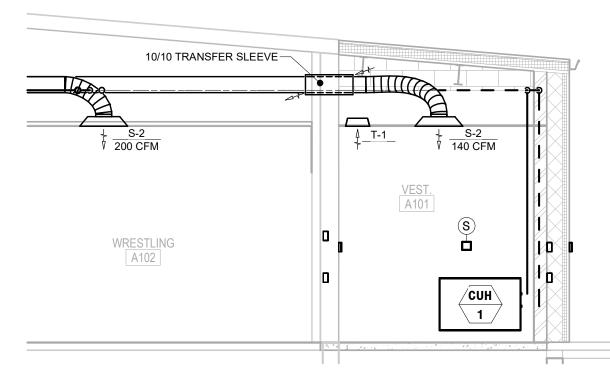


Packaged Cooling Only RTU with Duct Mounted Heating Coil Control Diagram (RTU-1 & HC-4) NOT TO SCALE

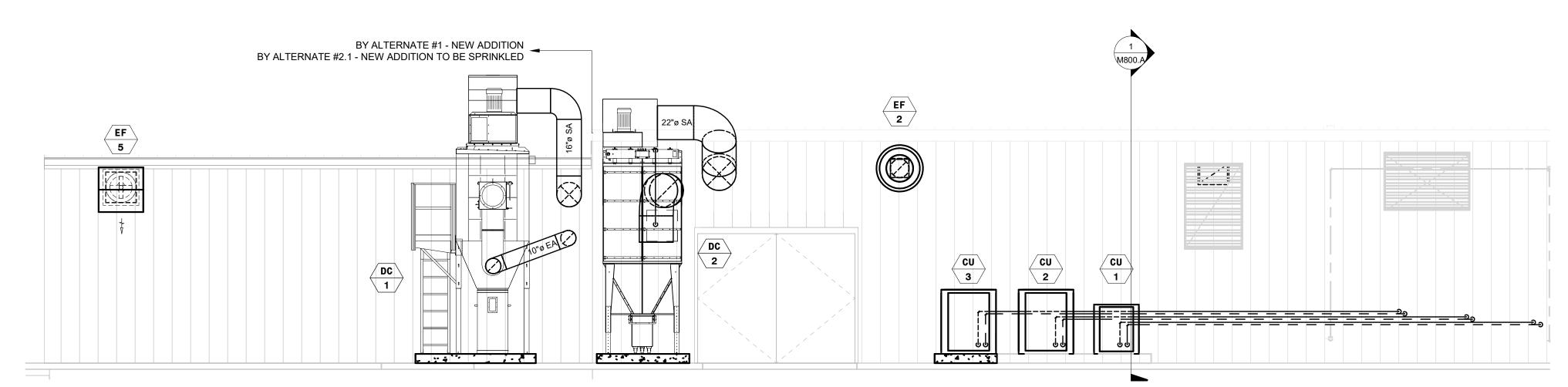








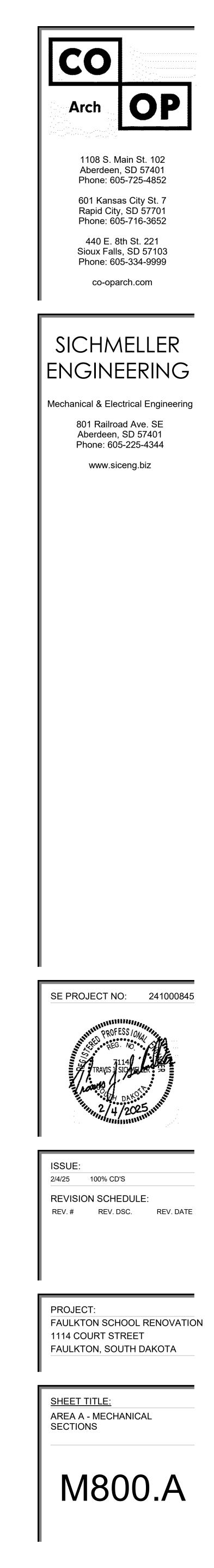
3 AREA A MECHANICAL SECTION #3 M800.A SCALE: 1/4" = 1'-0"

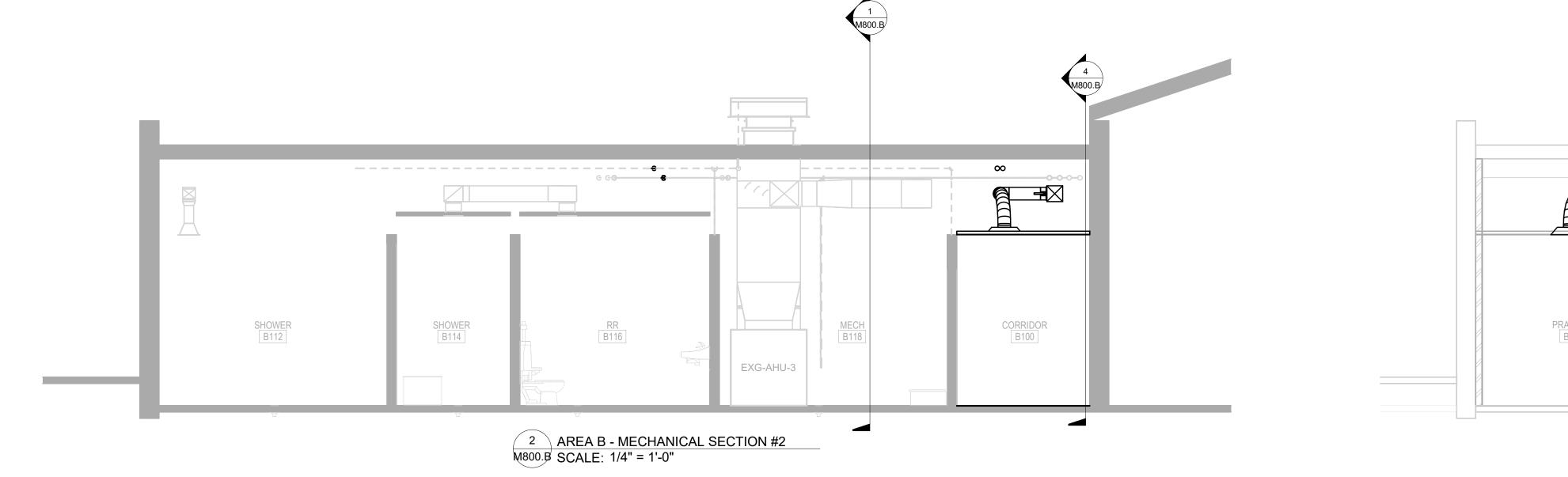


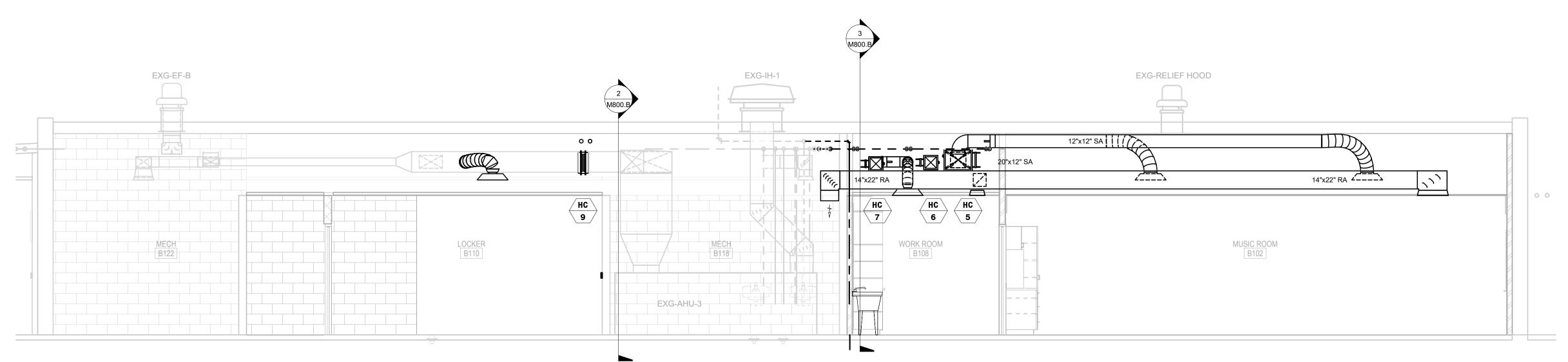
# 4 AREA A - SOUTH EXTERIOR ELEVATION M800.A SCALE: 1/4" = 1'-0"

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

2 (M800.A)



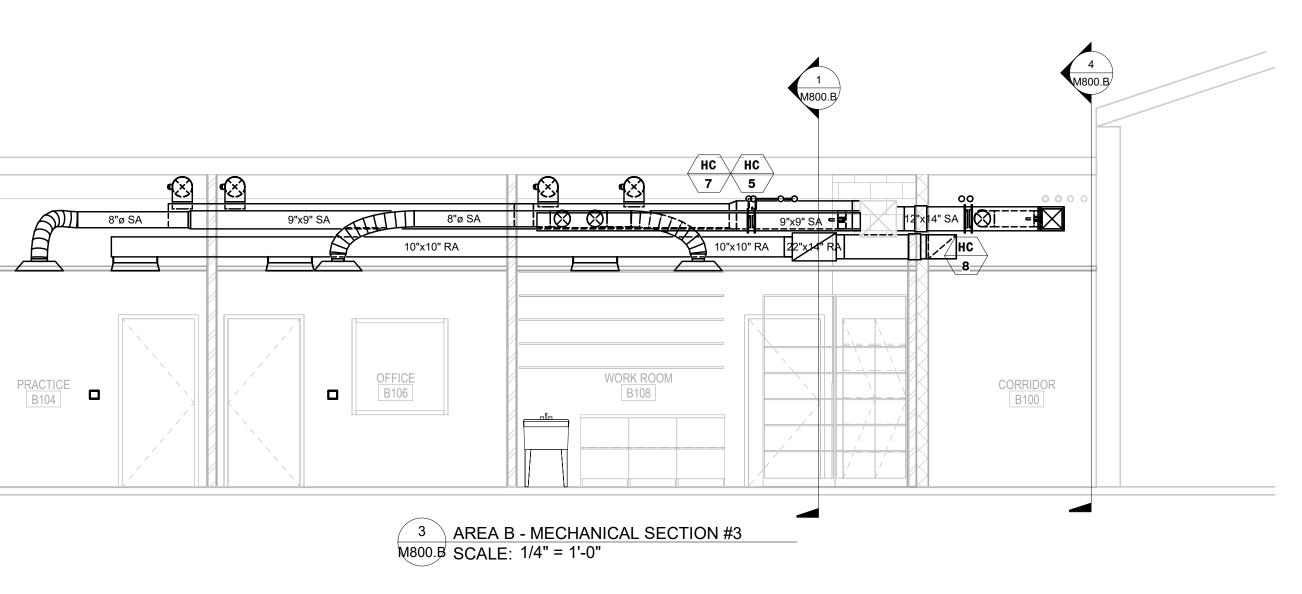


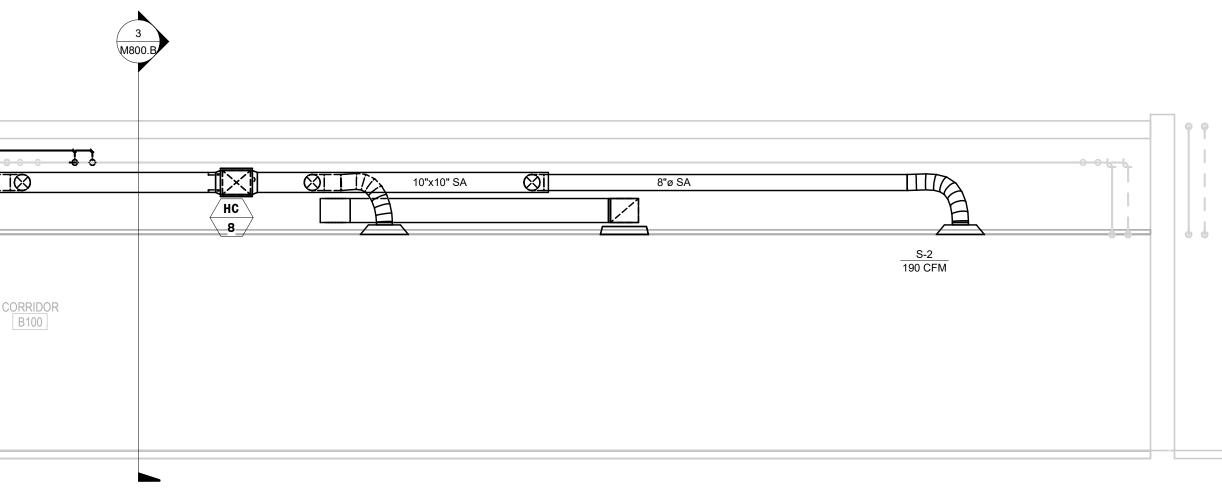


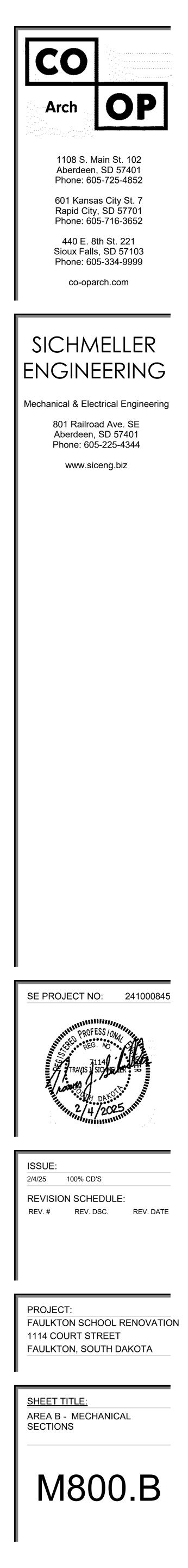
# 1 AREA B - MECHANICAL SECTION #1 M800.B SCALE: 1/4" = 1'-0"

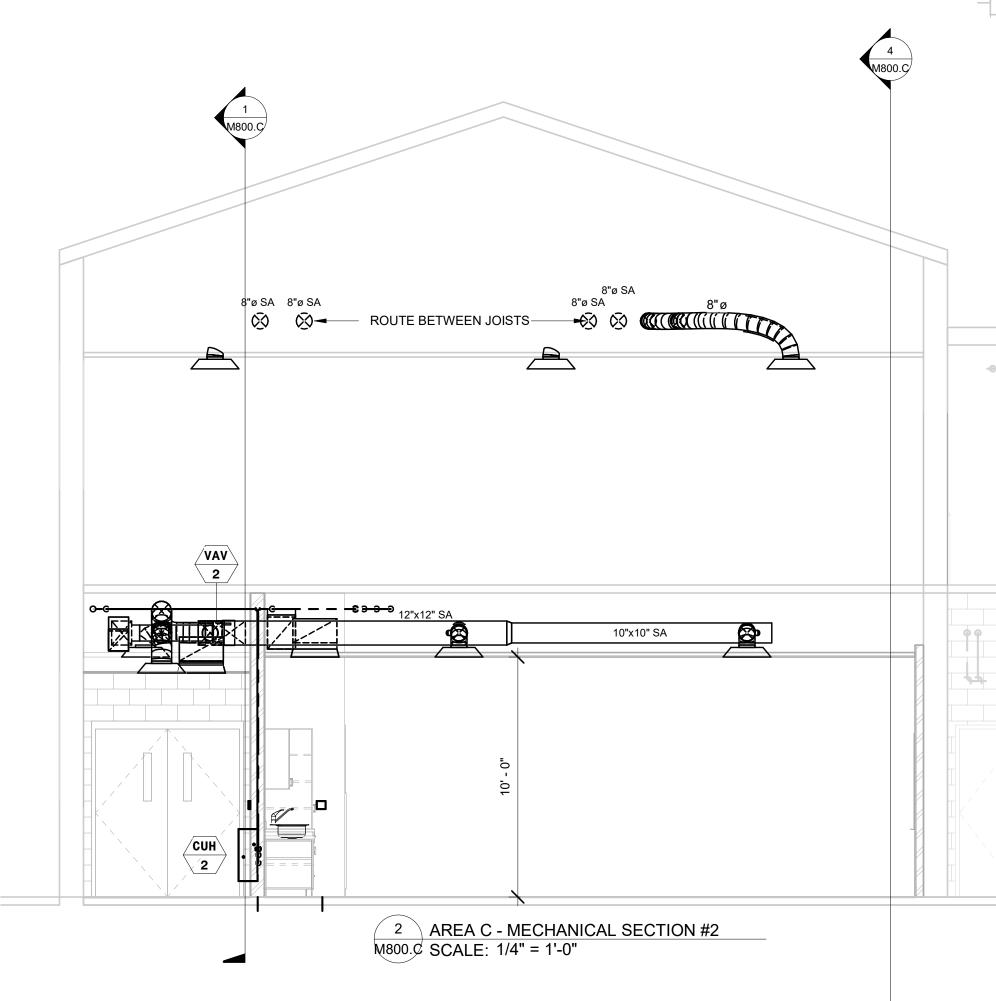
		2 M800.B	
		C C 10"x10" SA	••• []][8
CORRIDOR B100			CORI B
	CORRIDOR B100		

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



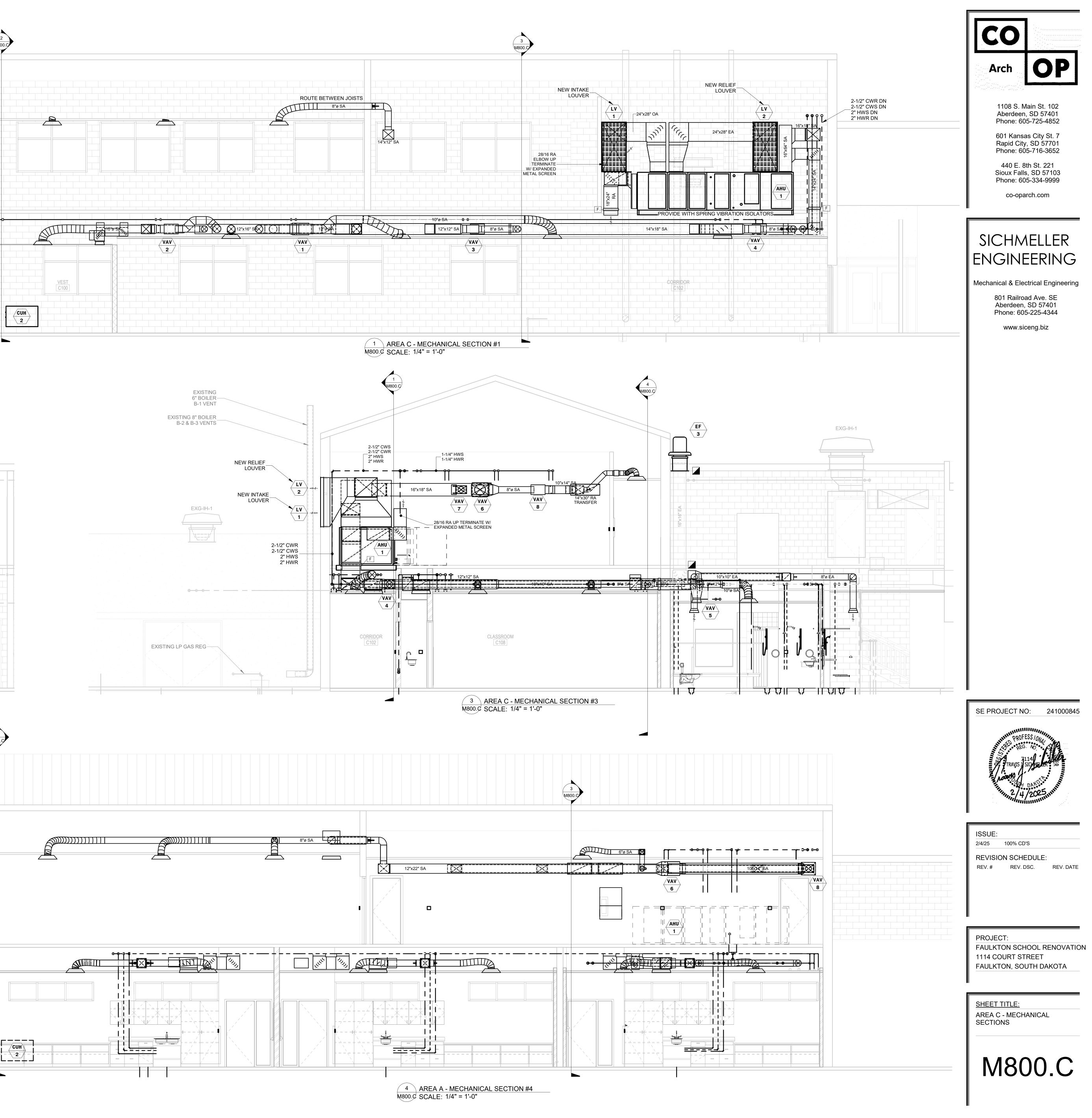


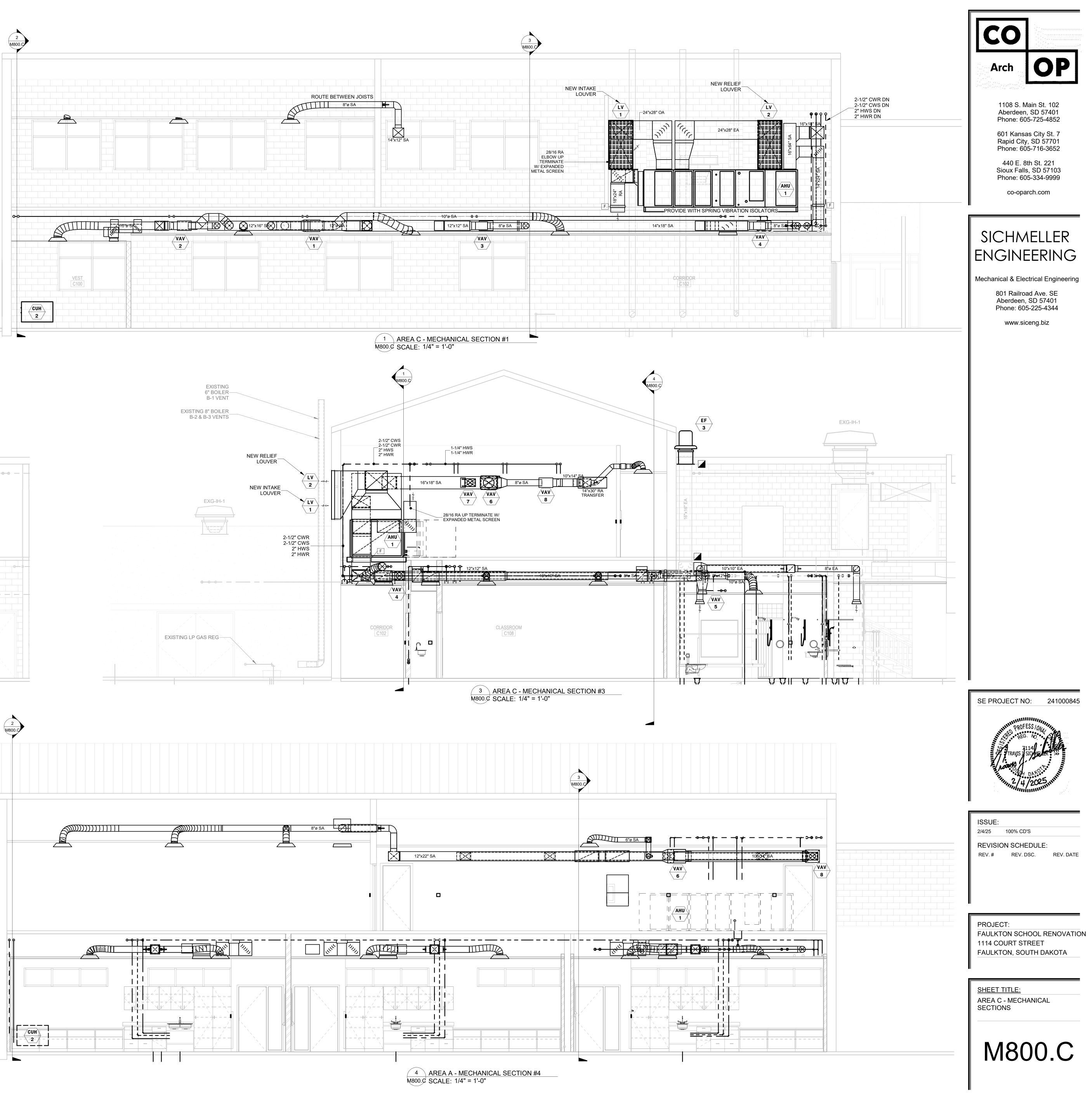


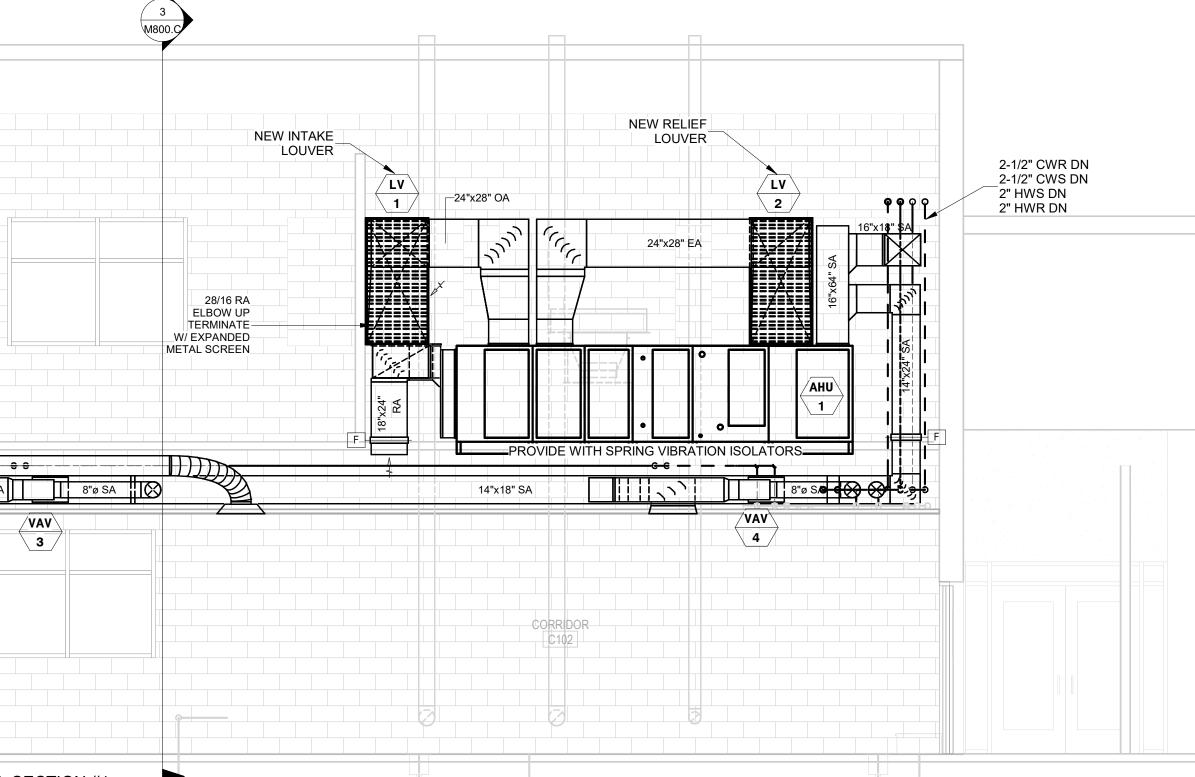


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2 00.C						
				ROUTE BETWEEN J	JOISTS	
		3 🐼 🗶 12"x10		12:054		
	6" BC	TING DILER VENT			1 AREA M800.C SCALE	<u>C - MECHAN</u> :: 1/4" = 1'-0
	EXISTING 8" BC B-2 & B-3 VI	ENTS	RELIEF DUVER		2-1/2" CWS 2-1/2" CWR 2" HWS 2" HWR	
	EXG-	NEW	UNTAKE LOUVER			16"x18" SA







																			Α	HU S	CHEI	DULE	E																					
								SUPPLY	Y FAN/MOTOR								RETU	JRN FAN/M	OTOR							C	OOLING COIL	CAP. (EWT	'=44 °F)							HEAT	ING COIL	CAP. (EW	/T=180.0 °I	F)				
QUIP. NO.	MANUFACTURER & MODEL	SERVES	MIN 0/A CFM	MAX	MIN	ESP	МНР	BHP	SIZE/TYPE	V./PH./CY	. FLA	MCA	MOCP	MAX MI CFM CF			HP BHP	SIZE	/TYPE	V./PH./CY.	FLA	MCA	МОСР	TOTAL	SENSIBLE	EAT	LAT	FACE VEL.	LWT	GPM	WPD		OTAL Ections	CFM	МВН	EAT		ACE LI	WT GPM	WPD	TOT Connec	TAL CTIONS	UNIT WEIGHT (LBS)	NOTES
				CFM	CFM	(IN W.G.)								CFM CF	M (IN W.	u.)								MBH	MBH	DB/WB	DB/WB	VEL.				QTY	SIZE				V	EL.			QTY	SIZE	(120)	
\HU - 1	DAIKIN CAH023GDGM	AREA C CLASSROOM VAV'S	2700	6000	2760	1.5	5.0	4.29	20"/AF	208/3/60	15.2	19.0	30	6000 276	60 0.75	5.	.0 3.34	4 15.7	5"/AF	208/3/60	14.5	18.1	30	249.7	172.5	81.9/67	.6 54.1/53	.9 403	54.0	54.0	11.4	2	2-1/2"	6000	249.3	27.0	67.1 4	126 15	3.6 20.0	5.4	2	1-1/2"	3487	1,2,3,4,5,6,7
EXG \HU-3	YORK XTI-36X54	AREA B EXG LOCKER ROOM & NEW BAND ROOM		4000		1.5	5.0			208/3/60	14.0					-		-						136.0	99.0	80.0/67	.0 55.3/55	.3 513	54.1	30.0	11.8	2	1-1/2"	4000	271.0	20.0	79.9 5	513 15	0.1 20.0	2.1	2	1-1/2"	2456	10
TES: 1	. UNIT SHALL BE A HORIZO				UNIT AND	SHALL INCL	UDE RETU	RN AIR F	AN, ECONOMIZ	ER/FILTER/M	XING BOX	AIR BLE	NDER, HO	T WATER HEA	ATING COIL,	CHILLED	WATER COO	DLING COI	L AND SUP	PPLY AIR F	AN.																							_

 COIL PERFORMANCE BASED ON 40% PROFILENC GLIGOL FOR INLEGENCE FOR THEME GLIGOL FOR THEME WEIGHT.
 PROVIDE UNIT CONFIGURED FOR FIELD INSTALLED CONTROLS.
 PROVIDE FLAT FILTER BANK WITH 2" MERV 8 PLEATED FILTERS. VC TO PROVIDE 1 EXTRA SET OF FILTERS FOR THE OWNER.
 SEE AHU HEATING COIL PIPING DETAIL & AHU COOLING COIL PIPING DETAIL.
 UNIT SHALL BE SET ON 4" THICK CONCRETE EQUIPMENT PAD BY GC. VC TO COORDINATE FINAL UNIT DIMENSIONS FOR PAD TO BE 8" LARGER THAN UNIT IN EACH DIRECTION.
 VC TO PROVIDE AND INSTALL SPRING VIBRATION ISOLATION BETWEEN THE UNIT BASE RAIL AND THE EQUIPMENT PAD. QUANTITY AS RECOMMENDED BY THE MANUFACTURER. 10. UNIT IS EXISTING AND LISTED FOR REFERENCE ONLY.

						PACK	AGED	CO	OLI	NG OI	NLY RO	DOFTOP	9 UI	IT	SCHE	DULE							RTU
				SUPPLY	OUTSIDE		SUPPLY			DX C	OOLING				МОТ	OR		ELE	CTRICAL			UNIT	
EQUIP. NO.	MANUFACTURER & MODEL	LOCATION	SERVING	AIR CFM	AIR CFM	E.S.P. (IN)	FANS T.S.P. (IN)	NOM. Tons	TOTAL MBH	STAGES	EAT (DB/WB)	LAT (DB/WB)	QTY	HP (EACH)	FRPM	FAN TYPE/ Size (in) Each	V./PH./CY.	FLA	MCA	MOCP	MIN SCCR (KAIC)	WEIGHT (LBS)	NOTES
RTU-1	AAON RNA - 008 - A - A - 8 - GABOA	GROUND MOUNTED	AREA A WRESTLING ROOM	2540	1065	1.5	2.63	8	93.2	MOD	80.9/70.1	58.0/58.0	1	2.0 2.0	1905 949	18.5" PLENUM 11" PLENUM	208/3/60	48.0	54.0	80	65	1285	1,2,3,4,5,6
NOTES:	1. PROVIDE & INSTALL FUL 2. PROVIDE CONDENSATE DF	AIN & P-TRAF	PER MANUFACTURERS SF	PECIFICATIO	NS.			EQUIPME	NT PAD.	CONCRETE	PAD BY GC.				1					1	1		
	<ol> <li>PROVIDE UNIT WITH FIE</li> <li>PROVIDE UNIT WITH DIF DIGITAL SCROLL COMPRE</li> <li>PROVIDE WITH 2" PLEAT</li> <li>PROVIDE UNIT WITH R-1</li> </ol>	ECT DRIVE SU SSOR ON THE ED, MERV 8 F	IPPLY FAN ŴITH FACTORY LEAD COMPRESSOR CIRCU TILTERS. CONTRACTOR TO	Y INSTALLED JIT FOR DX ( ) PROVIDE 1	VFD, HINGE COOLING MOD EXTRA SET	D ACCESS D ULATION, M	OORS, FACT ODULATING	HOT GAS									ENTHALPY ECON	OMIZER,	POWERED	EXHAUST	WITH FAC	TORY INSTA	ALLED VFD,

QUIP.				MAY			MAX	MAX			HEA	TING COIL (	EWT = 180°	°F)			COIL	DUNQUT	WETOUT	
NO.	MANUFACTURER & MODEL	SERVES	INLET SIZE	MAX CFM	MIN CFM	MAX TERM APD	RAD NC	DISCH NC	CFM	MIN MBH	EAT (°F)	LAT (°F)	GPM	LWT (°F)	WPD (FT)	ROWS	CONN. Size	RUNOUT SIZE	WEIGHT (LBS.)	NOTES
VAV - 1	PRICE SDV	CORRIDOR C102 & VEST C100	12	1300	545	0.42			850	45.2	55.0	104.0	4.0	155.7	4.88	2	7/8"	1"	36.0	1,2,3,4
VAV-2	PRICE SDV	CLASSROOM C104	8	760	350	0.52		20	415	21.5	55.0	102.5	2.5	161.5	1.34	2	7/8"	3/4"	22.0	1,2,3,4
VAV-3	PRICE SDV	CLASSROOM C106	8	580	340	0.16		24	340	11.8	55.0	86.9	2.5	169.8	5.61	1	1/2"	3/4"	20.0	1,2,3,
/AV-4	PRICE SDV	CLASSROOM C108	8	580	320	0.16		24	320	11.5	55.0	87.9	2.5	170.1	5.61	1	1/2"	3/4"	20.0	1,2,3,
/AV-5	PRICE SDV	DRESSING C110E	6	265	95	0.11		25	145	5.7	55.0	90.4	1.0	167.8	0.76	1	1/2"	3/4"	17.0	1,2,3,
/AV-6	PRICE SDV	CLASSROOM C117	14	1860	655	0.42			1025	54.6	55.0	104.1	4.0	150.6	2.25	2	7/8"	1"	47.0	1,2,3,
/AV - 7	PRICE SDV	CLASSROOM C118	8	750	305	0.51		20	410	21.3	55.0	102.9	2.5	161.6	1.34	2	7/8"	3/4"	22.0	1,2,3,
/AV - 8	PRICE SDV	MECH C119 & CORRIDOR C201	8	730	325	0.49		20	405	21.2	55.0	103.2	2.5	161.7	1.34	2	7/8"	3/4"	22.0	1,2,3,

5. SEE VAV HEATING COIL PIPING DETAIL.

					AIR	CLEA	ANER	& EX	ISTIN	G RELO	OCATE	D AIR	CLEAN	NER SC	HEDUL	.E						EXG AC-X
									ELECTRIC	PRE-HEAT		NAT	URAL GAS HEAT	(10:1 TURNI	DOWN)		ELE	CTRICAL			UNIT	
EQUIP NO.	MANUFACTURER & MODEL	SERVING	SUPPLY AIR CFM	OUTSIDE AIR CFM	E.S.P. (IN)	T.S.P. (IN)	FAN RPM	CAPACITY (KW)	STAGES	EAT (°F) (DB/WB)	LAT (°F) (DB/WB)	MBH INPUT	MBH OUTPUT	EAT (°F) (DB/WB)	LAT (°F) (DB/WB)	MOTOR HP	V./PH./CY.	FLA	MCA	MOCP	WEIGHT (LBS)	NOTES
EXG AC - 1	AIR KING M-30	AREA A METAL SHOP	3000	-	-	-	-	-	-	-	-	-	-	-	-	3/4	120/1/60	10.2	12.8	20	180	1
EXG AC-2	AIR KING M-30	AREA A METAL SHOP	3000	-	-	-	-	-	-	-	-	-	-	-	-	3/4	120/1/60	10.2	12.8	20	180	1
AC-2	AIR KING M-30	METAL SHOP		-	-	-	-	-	-	-	-	-	-	-	-	3/4	120/1/60	10.2	12.8		20	20 180

								EX	HAUST	HOC	D S	CHED	ULE												
EQUIP.	MANUFACTURER &	SERVING	LOCATION	ТҮРЕ	EXHAUST	MAKE-UP AIR	RECIRC	STATIC Pressure	EXHAUST AIR	LENGTH	WIDTH	HEIGHT	AREA	ACCESS AREA	MATERIAL	FILTERS	LAMPS	NO. OF	SLOT		ELECTR	ECAL		UNIT	NOTE
NO.	MODEL	SERVING	LUCATION	ITPE	AIR (CFM)	(CFM)	(CFM)	LOSS (IN. W.G.)	CONNECTION (IN. DIAM)	(IN)	(IN)	(IN)	(SQ FT)	(W"XH")	MATERIAL	FILIERS	LAMPS	SLOTS	HEIGHT (IN)	V/PH/CY	FLA	MCA	MOCP	WEIGHT (LBS)	NUTE
HD - 1	CUSTOM FABRICATED	METAL SHOP PLASMA TABLE	AREA A METAL SHOP A114	CANOPY	1000	-	-	-	10	156	72	12	10.0	-	18 GA GALV	-	-	-	-	-	-	-	-	400	1,5
HD-2	VENTAIRE FEH3	METAL SHOP WELDING STATIONS	AREA A METAL SHOP A114	SLOTTED	800	-	-	1.5	7	45	8	34	-	-	GALV STEEL	-	-	4	7/16"	-	-	-	-	47.5	2,3,

PROVIDE & INSTALL BLAST GATES AT 8'-6" A.F.F. FOR BALANCING PURPOSES.
 PROVIDE & INSTALL CUSTOM FABRICATED CANOPY HOOD AS SCHEDULED. PROVIDE WITH 18 GA. GALVANIZED STEEL IMPACT PLATE CENTERED IN THE HOOD TO CREATE A 3" OPENING AROUND THE PERIMETER OF THE ENTIRE HOOD. SEE PLASMA HOOD DETAIL FOR ADDITIONAL INFORMATION. PROVIDE & INSTALL BLAST GATE ABOVE HOOD FOR BALANCING PURPOSES.
 PROVIDE & INSTALL CUSTOM FABRICATED CANOPY HOOD AS SCHEDULED. PROVIDE WITH 18 GA. GALVANIZED STEEL IMPACT PLATE CENTERED IN THE HOOD TO CREATE A 3" OPENING AROUND THE PERIMETER OF THE ENTIRE HOOD. SEE PLASMA HOOD DETAIL FOR ADDITIONAL INFORMATION. PROVIDE & INSTALL BLAST GATE ABOVE HOOD FOR BALANCING PURPOSES.

						DUST	COLLE	CTOR S	SCHEDU	LE							
						FILTER						ELECTRICAL					
EQUIP NO.	MANUFACTURER & MODEL	SERVING	CFM	E.S.P. (IN)	FAN RPM	SURFACE AREA (SQ FT)	NUMBER OF FILTERS	AIR TO Cloth Ratio	FAN MOTOR HP	V./PH./CY.	FLA	MCA	MOCP	DRIVE Type	CONTROL	UNIT WEIGHT (LBS)	NOTES
DC - 1	NEDERMAN NFPZ301-2LE	AREA A WOOD SHOP A113	2200	12"	3600	215	50	10.23	7.5	208/3/60	16.7	-	-	DIRECT	VFD		1,2,5,6,7,8,9, 10,11
DC - 2	NEDERMAN MCP-4-16S	AREA A METAL SHOP A114	6800	12"	3600	2,273	16	2.99	25	208/3/60	75	-	-	DIRECT	VFD	1500	1,4,6,7,9
NOTES:	1. COORDINATE FINAL EQUIPMEN 2. PROVIDE NFPA COMPLIANT EX	T LOCATIONS AND CONNECTIONS WI PLOSION ISOLATION VALVE. INSTA			ND PER MFG'S R	ECOMMENDATIONS			1								

2. PROVIDE NTPA COMPLIANT EARLOSION ISOLATION VALUE. INSTALL WHENE INSTALL WHENE INSTALL ON THE COMPLANT IS COMPLANT ISOLATION VALUE. INSTALL WHENE INSTALL ON THE COMPLANT IS COMPLANT ISOLATION INSTALL WHENE INSTALL ON THE COMPLANT ISOLATION ISOLATION VALUE. INSTALL WHENE INSTALL ON THE COMPLANT ISOLATION ISOLATION AND EXTINGUISHMENT SYSTEM UPSTREAM OF DUST COLLECTOR PER MFG'S RECOMMENDATIONS.
 6. PROVIDE WITH LISTED SPARK DETECTION AND EXTINGUISHMENT SYSTEM UPSTREAM OF DUST COLLECTOR PER MFG'S RECOMMENDATIONS.
 6. PROVIDE NEMA 12 ENCLOSURE FOR DUST COLLECTOR CONTROLS (120/60/1) WITH DISPLAY, FILTER MONITORING, AND AUTOMATIC FILTER CLEANING.
 7. PROVIDE WITH DUST LEVEL INDICATOR FOR DRUM(S), LINED CLEAN AIR PLENUM, FAN SILENCER, AND DRUM(S).
 8. PROVIDE WITH NFPA 68 COMPLIANT EXPLOSION VENT POINTED UPWARD.
 9. SEE SEE ON THEORONMENTIAL S

9. SEE SPECS FOR INTERCONNECTION DETAILS. 10. COMPLY WITH NFPA 654 AND NFPA 664 FOR DESIGN, FABRICATION, AND INSTALLATION OF DUST COLLECTION SYSTEMS IN WOOD WORKING FACILITIES. 11. COMPLY WITH NFPA 69 STANDARD ON EXPLOSION PROTECTION SYSTEMS AND NFPA 68 STANDARD ON EXPLOSION PROTECTION BY DEFLAGRATION VENTING.

# HVAC SHEET METAL DUCTWORK CONSTRUCTION & INSULATION SCHEDULE

	0	UCTWORK						INSULAT	ION THICKNESS	EXTERIOR WRAP UNL	LESS OTHERWISE NOTE	ED)				
SYSTEM	MAX DIMENSION OF Rectangular ducts or Diameter of round ducts	GALVANIZED SHEET METAL GAUGE NUMBER	PRESSURE RATING	CONSTRUCTION	RECTANGULAR Supply Air Before Vav	ROUND Supply Air Before Vav	RECTANGULAR Supply Air After Vav	ROUND Supply Air After Vav	RETURN AIR	EXHAUST AIR DUCT (Including fume Hood exhaust)	EXHAUST AIR DUCT SERVING WELDING HOODS IN SHOP	TRANSFER AIR	PLENUM TO PLENUM TRANSFER SLEEVES	OUTSIDE AIR	RELIEF AIR	NOTES
	UP THRU 12"	26		WHEN LONGEST						1-1/2"	1-1/2" FULL					
LOW	OVER 12" THRU 30"	24		SIDE IS 36" OR GREATER, SHALL						WITHIN 15' OF POWER	LENGTH OF RECTANGULAR				2" BETWEEN	1.0
PRESSURE	OVER 30" THRU 54"	22	2" W.G.	BE CONSTRUCTED USING DUCTMATE	-	-	1/2" LINER	1-1/2"	1/2" LINER	ROOF	DUCT, EXPOSED SPIRAL	1/2" LINER	1/2" LINER	2"	FAN &	1,2, 3,4,5,
DUCTWORK	OVER 54" THRU 84"	20		35/25 SLIDE ON SYSTEM, TDF						VENTILATOR OR EXTERIOR	RUNOUTS UN-INSULATED				LOWER TERMINATION	6,7
	OVER 84"	18		FLANGE						TERMINATION	PAINTGRIP					
	UP THRU 18"	24		SHALL BE												
MEDIUM	OVER 19" THRU 48"	22		CONSTRUCTED USING DUCTMATE	4.4.0	4.4.(0)										1,2,
DUCTWORK	OVER 48" THRU 72"	20	3" W.G.	35/25 SLIDE ON SYSTEMS, TDF	1-1/2"	1-1/2"	-	-	-	-		-	-	-	-	3,4,6
	OVER 73" THRU 96"	18		FLANGE												
2. 3. 4. 5. 6.	FOLLOW ALL SMACNA STAN ALL DUCTWORK 18" AND G ALL SYSTEMS TO BE COMP CONCEALED DUCTS MAY BE AND MUST BE INSULATED ALL EXPOSED UNINSULATE ALL DUCTWORK ROUTED OU TOP OF ALL EXTERIOR DU ALL EXHAUST DUCTWORK S	REATER IN WIDT LETELY INSULAT INSULATED WIT WITH RIGID INS D DUCTWORK WIT TSIDE SHALL BE CTWORK SHALL B	H SHALL BE ED UNLESS ( H RIGID BO, SULATION. HOUT EXTER INSULATED BE CROWNED	CROSS-BROKEN. OTHERWISE NOTED. ARD OR FLEXIBLE F IOR INSULATION SF WITH 2" RIGID IN (PITCHED) TO ALLO	HALL BE PAINTGRI NSULATION WITH V DW WATER RUNOFF	IP DUCT (SPIRAL /ENTURECLAD 157 AND PREVENT POO	WHERE ROUND). 7CW-E STUCCO EME DLING.	OSSED JACKETING	G ON ALL SIDES,	THROUGH EXTERIOR	WALL PENETRATION.			, & ALL MECHANI	CAL SPACES, ARE C	ONSIDERED EXPOSED

	RTU				CO	DOLING	ONLY	FAN CO	EL SCH	EDULE		
		EQUIP				SUPPLY	MIN	ESP	COOLING		ELECTRICAL	
WEIGHT	NOTES	NO.	MANUFACTURER & MODEL	SERVING	LOCATION	AIR (CFM)	OA (CFM)	(IN. W.G.)	MBH	V/PH/CY	MCA	MOCP
(LBS)		FC-1	DAIKIN AMST24BU13	CLASSROOM A111	EXG MECH RM	800	250	0.75	24.0	208/1/60	5.8	15
		FC-2	DAIKIN AMST60DU13	METAL SHOP A114	EXG MECH RM	1900	600	0.75	60.0	208/1/60	8.6	15
1285	1,2,3,4,5,6	FC-3	DAIKIN AMST60DU13	WOOD SHOP A113	EXG MECH RM	1900	600	0.75	60.0	208/1/60	8.6	15
TORY INST	ALLED VFD,	NOTES:	<ol> <li>VC TO PROVIDE &amp; INSTALL</li> <li>PROVIDE &amp; INSTALL COOLI</li> <li>PROVIDE &amp; INSTALL PLENU</li> <li>PROVIDE UNIT WITH MULTI</li> </ol>	NG CONDENSATE & VENT DRAI M FILTER BOX EQUIPMENT ST SPEED DIRECT DRIVE EC FA	N PIPING PER MANUFACTUF AND WITH VIBRATION ISOL N MOTOR. CONTROL BY TO	RER'S RECOMMENDA ATION PADS FOR	TIONS & PLUME	BING CODE TO EXI	STING.			
	(LBS) 1285	UNIT WEIGHT (LBS)	UNIT WEIGHT (LBS) NOTES 1285 1,2,3,4,5,6 EQUIP NO. FC-1 FC-2 FC-3 NOTES:	UNIT       NOTES         ULNIT       NOTES         ULNIT       NOTES         1285       1,2,3,4,5,6         I285       1,2,3,4,5,6	UNIT WEIGHT (LBS)       NOTES         1285       1,2,3,4,5,6         FC-1       DAIKIN AMST24BU13         CLASSROOM A111         FC-2       DAIKIN AMST60DU13         METAL SHOP A114         FC-3       DAIKIN AMST60DU13         MODO SHOP A113         NOTES:       1.         DISCONNECT BY EC.         2.       VC TO PROVIDE & INSTALL 24V NORMALLY CLOSED MOTO 3.         PROVIDE & INSTALL PENUM FILTER BOX EQUIPMENT ST         5.       PROVIDE UNIT WITH MULTI SPEED DIRECT DRIVE EC FAR	UNIT WEIGHT (LBS)       NOTES       EQUIP NO.       MANUFACTURER & MODEL       SERVING       LOCATION         1285       1,2,3,4,5,6       FC-1       DAIKIN AMST60DU13       CLASSROOM A111       EXG MECH RM         FC-2       DAIKIN AMST60DU13       METAL SHOP A114       EXG MECH RM         FC-3       DAIKIN AMST60DU13       WOOD SHOP A113       EXG MECH RM         NOTES: 1.       DISCONNECT BY EC.       2.       VC TO PROVIDE & INSTALL 24V NORMALLY CLOSED MOTORIZED CONTROL DAMPER OF 3.       PROVIDE & INSTALL COOLING CONDENSATE & VENT DRAIN PIPING PER MANUFACTUR 4.       PROVIDE & INSTALL OPERFORMER TO FAMILY INFORMATION ISOL	UNIT WEIGHT (LBS)       NOTES         1285       1,2,3,4,5,6         1285       1,2,3,4,5,6         CTORY INSTALLED VFD.       COOLING CONTROL DAIL	UNIT WEIGHT (LBS)       NOTES         1285       1,2,3,4,5,6         TORY INSTALLED VFD,       CO         VINIT WEIGHT (LBS)       NOTES         EQUIP NO.       MANUFACTURER & MODEL       SERVING       LOCATION       AIR AIR (CFM)       OA (CFM)         1285       1,2,3,4,5,6       FC-2       DAIKIN AMST24BU13       CLASSROOM A111       EXG MECH RM       800       250         FC-3       DAIKIN AMST60DU13       METAL SHOP A114       EXG MECH RM       1900       600         NOTES:       1.       DISCONNECT BY EC.       2.       VC TO PROVIDE & INSTALL 24V NORMALLY CLOSED MOTORIZED CONTROL DAMPER ON OUTSIDE AIR RUNOUT AT RETUIN 3.       PROVIDE & INSTALL COOLING CONDENSATE & VENT DRAIN PIPING PER MANUFACTURER'S RECOMMENDATIONS & PLUMM 4.         STORY INSTALLED VFD,       S.       PROVIDE UNIT WITH MULTI SPEED DIRECT DRIVE EC FAN MOTOR. CONTROL BY TC.	UNIT WEIGHT (LBS)       NOTES         1285       1,2,3,4,5,6         TORY INSTALLED VFD,	UNIT WEIGHT (LBS)       NOTES       EQUIP (LBS)       MANUFACTURER & MODEL       SERVING       LOCATION       SUPPLY AIR (CFM)       MIN OA (CFM)       ESP (IN. W.G.)       COOLING MBH         1285       1,2,3,4,5,6       1,2,3,4,5,6       ECUIP (IN. W.G.)       MANUFACTURER & MODEL       SERVING       LOCATION       AIR (CFM)       OA (CFM)       (CFM)       COOLING (IN. W.G.)       MBH         1285       1,2,3,4,5,6       FC-2       DAIKIN AMST24BU13       CLASSROOM A111       EXG MECH RM       1900       600       0.75       60.0         FC-3       DAIKIN AMST60DU13       METAL SHOP A114       EXG MECH RM       1900       600       0.75       60.0         NOTES:       1.       DISCONNECT BY EC.       2.       VC TO PROVIDE & INSTALL 24V NORMALLY CLOSED MOTORIZED CONTROL DAMPER ON OUTSIDE AIR RUNOUT AT RETURN AIR CONNECTION. TC TO WIRI 3.       PROVIDE & INSTALL 24V NORMALLY CLOSED MOTORIZED CONTROL DAMPER ON OUTSIDE AIR RUNOUT AT RETURN AIR CONNECTION. TC TO WIRI 3.         CTORY INSTALLED VFD,       VFD,       SINSTALL PLENUM FILTER BOX EQUIPMENT STAND WITH VIBRATION ISOLATION PADS FOR FAN COIL MOUNTING. PROVIDE & INSTALL FULL 5.       PROVIDE & INSTALL PLENUM FILTER BOX EQUIPMENT STAND WITH VIBRATION ISOLATION PADS FOR FAN COIL MOUNTING. PROVIDE & INSTALL FULL	UNIT WEIGHT (LBS)       NOTES         1285       1,2,3,4,5,6         ECORY INSTALLED VFD,       CO PROVIDE & INSTALL PLENUM FILTER BX CODELING CONDENSATE & VENT DRAIN PIPING PER MANUFACTURER'S RECOMMENDATION SA PLUMBING CODE TO EXISTING. PROVIDE & INSTALL PLENUM FILTER BX COULING CONDENSATE & VENT DRAIN PIPING PER MANUFACTURER'S RECOMMENDATIONS & PLUMBING CODE TO EXISTING. PROVIDE & INSTALL PLENUM FILTER BX COULING CONDENSATE & VENT DRAIN PIPING PER MANUFACTURER'S RECOMMENDATIONS & PLUMBING CODE TO EXISTING. PROVIDE & INSTALL PLENUM FILTER BX COULING CONDENSATE & VENT DRAIN PIPING PER MANUFACTURER'S RECOMMENDATIONS & PLUMBING CODE TO EXISTING. PROVIDE & INSTALL PLENUM FILTER BX COULING CONTROL DAMPER ON OUTSIDE AIR RUNOUT AT RETURN AIR CONNECTION. TC TO WIRE DAMPER TO OPEN PROVIDE & INSTALL PLENUM FILTER BX COULING CONDENSATE & VENT DRAIN PIPING PER MANUFACTURER'S RECOMMENDATIONS & PLUMBING CODE TO EXISTING. PROVIDE & INSTALL PLENUM FILTER BX COULING CONTROL DAMPER ON OUTSIDE AIR RUNOUT AT RETURN AIR CONNECTION. TC TO WIRE DAMPER TO OPEN PROVIDE & INSTALL PLENUM FILTER BX COULING CONTROL DAMPER ON OUTSIDE AIR RUNOUT AT RETURN AIR CONNECTION. TC TO WIRE DAMPER TO OPEN PROVIDE & INSTALL PLENUM FILTER BX COULING CONTROL DAMPER ON OUTSIDE AIR RUNOUT AT RETURN AIR CONNECTION. TC TO WIRE DAMPER TO OPEN PROVIDE & INSTALL PLENUM FILTER BX COULING CONDENSATE & VENT DRAIN TAND WITH VIBRATION ISOLATION PADS FOR FAN COIL MOUNTING. PROVIDE & INSTALL PLENUM FILTER BX COULINGENTS TAND WITH VIBRATION PADS FOR FAN COIL MOUNTING. PROVIDE & INSTALL FULL SIZE DRIP PAN U 	UNIT WEIGHT (LBS)       NOTES         1285       1,2,3,4,5,6             ECUTY INSTALLED VFD.       MANUFACTURER & MODEL       SERVING       LOCATION       SUPPLY AIR (CFM)       MIN OA (CFM)       ESP (IN. W.G.)       COOLING MBH       ELECTRICAL V/PH/CY             NOTES       DAIKIN AMST24BU13       CLASSROOM A111       EXG MECH RM       800       250       0.75       24.0       208/1/60       5.8             1285       1,2,3,4,5,6             Story INSTALLED VFD.             COTORY INSTALLED VFD.             COTORY INSTALLED VFD.

FOUTD					COOLING			ELECTRICAL		WEIGHT
EQUIP NO.	MANUFACTURER & MODEL	SERVICE	LOCATION	AMB. TEMP	BTU/HR	SEER2	V./PH./CY.	MCA	MOCP	(LBS.)
CU-1	DAIKIN DC5SEA241	FC-1	ON GRADE	95.0	24,000	15.0	208/1/60	13.8	20	149
CU-2	DAIKIN DC5SEA601	FC-2	ON GRADE	95.0	60,000	15.0	208/1/60	36.4	60	287
CU-3	DAIKIN DC5SEA601	FC-3	ON GRADE	95.0	60,000	15.0	208/1/60	36.4	60	287
2	. NON FUSED DISCONNECT AND 2. PROVIDE UNIT WITH HARD ST 3. PROVIDE UNIT WITH STAMPED 4. PROVIDE WITH HIGH-DENSITY 5. PROVIDE & INSTALL PRE-INS	ART KIT AND LIQUID LINE STEEL COIL GUARDS, POWD FOAM COMPRESSOR SOUND B	SOLENOID VALVE. ER-PAINT FINISH, RUST F LANKET.		,	MAINTENANCE ACCES	s.			

5.	PROVIDE & INSTALL PRE-INSULATED REFRIGERANT LINESETS.	LINESETS AND INSULATION TO BE UV RESISTANT.
6.	UNIT TO BE SET ON EXISTING CONCRETE EQUIPMENT PAD FRO	REMOVED UNIT. GC TO EXPAND PAD AS REQUIRED TO ACCOMMODATE ALL 3 CONDENSING UNITS.

			LOUV	ER SCHI	EDULE				
EQUIP. NO.	MANUFACTURER & MODEL	FUNCTION	SIZE (W/H/D)	CFM	S.P. (IN W.G.)	FREE AREA (SQ. FT.)	VELOCITY (FPM)	INSECT Screen	
EXG LV	GREENHECK EHM-601	AREA A - INTAKE - FRESH AIR TO FC'S	54X36X6	4600	0.09	5.87	784		
EXG LV	GREENHECK EHM-601	AREA A - RELIEF	36X54X6	1450	0.02	6.70	216		
LV-1	RUSKIN ELF6375DX	AREA C - INTAKE - AHU-1	30X64X6	6000	0.10	7.56	794	NO	
LV-2	RUSKIN ELF6375DX	AREA C - RELIEF - AHU-1	30X64X6	6000	0.09	7.56	794	NO	
	<ol> <li>HIGH PERFORMANCE 6" FIXED BLADE LC</li> <li>LOUVER TO HAVE BAKED ENAMEL FINISH</li> <li>PROVIDE WITH EXTENDED SILL &amp; BIRD</li> </ol>	, ARCHITECT TO SELECT COLOR.							

2.	LOOVER TO TAVE BARED ENAMEET INTON, ANOTHEOT TO DELECT O
3.	PROVIDE WITH EXTENDED SILL & BIRD SCREEN.
4.	LOUVER IS EXISTING AND LISTED FOR REFERENCE ONLY.

				FAN	SCH	IEDULE								EF
EQUIP.	MANUFACTURER & MODEL (STYLE)	SERVING	LOCATION	ТҮРЕ	CFM	STATIC PRESS.	MAX			MO	ror		UNIT WEIGHT	NOTES
NO.	MANUFACIURER & MODEL (SITLE)	SERVING	LUGATION	TIPE	GFM	(IN W.G.)	SONES	WATTS	HP	FRPM	VOLT./PH./CY.	FLA	(LBS)	NUTES
RF - 1	COOK SQN-D 135SQN17D (VF)	FC-1, FC-2, FC-3 RELIEF AIR	METAL SHOP A114	IN-LINE	1,450	0.75	9.5		1/2	1414	120/1/60	6.4	99	1,2,3,4
F-2	COOK ACW-B 135W OR91	PROJECT ROOM A112 EXHAUST	EXTERIOR	WALL MOUNTED	300	0.5	7.1		1/4	1005	120/1/60	5.8	81	5,6,7,8
EF-3	COOK ACE-D VF 120C17DOR80VF	AREA C LOCKER ROOM EXHAUST	EXISTING AREA C ROOF	PRV	275	0.5	7.6		1/8	1141	120/1/60	1.9	37	1,2,3,13
:F-4	BROAN 433004	RANGEHOOD EXHAUST	CLASSROOM A111	RANGE HOOD	220	0.1	7.0	207	-	-	120/1/60	1.8	-	14,15,16
F-5	COOK XWD 14XW40D17 (VF)	SHOP ADDITION NO2CO EXHAUST	SHOP ADDITION SIDEWALL	WALL PROPELLER	1,200	0.375	12.7		1/3	1439	120/1/60	4.1	144	2,3,9,10,11,12
F-1	COOK XWD 14XWS40D17 (VF)	SHOP ADDITION NO2CO MAKEUP AIR	SHOP ADDITION SIDEWALL	WALL PROPELLER	1,200	0.375	12.7		1/3	1439	120/1/60	4.1	167	2,3,9,10,11,12
3 2 5 7 8	<ol> <li>PROVIDE WITH FACTORY INSTALL</li> <li>PROVIDE WITH DIRECT DRIVE VA</li> <li>PROVIDE &amp; INSTALL HANGING VI</li> <li>PROVIDE AND INSTALL LINE VO</li> <li>FAN TO OPERATE WITH LIGHTED</li> <li>PROVIDE WITH FACTORY FAN SPE</li> <li>PROVIDE WITH EXPLOSION PROO</li> </ol>	RIABLE SPEED EC MOTOR WITH FACTORY D BRATION ISOLATION & FLEXIBLE DUCT CO LTAGE ALUMINUM BACKDRAFT DAMPER (MA`	INSTALLED FAN SPEED INNECTIONS. ICH FAN VOLTAGE) TO ABLE SHEAVES FOR B	CONTROLLER BE INSTALLE ALANCING PUR	FOR FAN BA D IN THE I POSES.	ALANCING. DUCT AT LOUVER		NECTION N	NITH THE	ACTUATOR	OUTSIDE OF THE A	IR STREA	М.	

16. REFER TO ARCHITECTURAL PLANS FOR HOOD INSTALLATION HEIGHT ABOVE COOKING SURFACE (18" MINIMUM, 25" MAXIMUM ABOVE COOKING SURFACE).

10. PROVIDE WITH LONG WALL COLLAR, MOTOR SIDE WIRE GUARD WITH EXPANDED METAL SCREEN WITH REMOVABLE END PANEL AND STEEL FRAME WITH LORENIZED FINISH, AND 90 DEGREE WEATHER HOOD WITH LORENIZED POWDER PAINT FINISH.

LORENIZED FINISH TO BE SELECTED BY ARCHITECT. 11. PROVIDE WALL MOUNTED PROPELLER FAN WITH EXTRUDED ALUMINUM PROPELLER, AND ALL OTHER STEEL PARTS HAVING LORENIZED FOWDER PAINT FINISH. LORENIZED FINISH TO BE SELECTED BY ARCHITECT. 12. T.C. TO PROVIDE & INSTALL BRASCH GSE2-NCM-24 NO2CO GAS DETECTOR WHERE SHOWN ON PLANS (POWER WIRING BY EC AND CONTROL WIRING BY TC). TC TO PROVIDE & INSTALL HUMIDISTAT. HAND/AUTO/OFF SWITCH BY TC. SEE NO2CO POWER/CONTROL WIRING DIAGRAM. PROVIDE AND INSTALL INSULATED FACTORY CURB ADAPTOR. VERIFY EXISTING CURB PRIOR TO ORDERING.
 PROVIDE UNIT WITH INTEGRAL BACKDRAFT DAMPER, INTEGRAL TWO-SPEED SWITCH AND FIELD INSTALLED POWDER COATED WALL CAP, ARCHITECT TO SELECT COLOR.
 SCHEDULED RANGEHOOD IS 30" WIDTH AND STAINLESS STEEL FINISH (COLOR SELECTION BY ARCHITECT). CONTRACTOR SHALL VERIFY EXACT WIDTH AND COLOR SELECTION BEFORE ORDERING.

					TER - DIF			-		
EQUIP. NO.	MANUFACTURER & MODEL	NOMINAL SIZE	THROAT Size	MAX CFM	MAX APD (IN. W.G.)	THROW	NC	FRAME	FINISH	NOTES
S-1	PRICE SCD - 4 CONE	24X24	6 " Ø	110	0.03"	5.0'	< 15	LAY-IN	WHITE	1
S-2	PRICE SCD - 4 CONE	24X24	8" Ø	230	0.05"	8.0'	< 15	LAY-IN	WHITE	1
S-2B	PRICE SCD - 4 CONE	24X24	8"Ø	230	0.05"	8.0'	< 15	LAY-IN	BLACK	1
S-3	PRICE SCD - 4 CONE	24X24	10" Ø	400	0.07"	10.0'	19	LAY-IN	WHITE	1
S-4	PRICE 520	14X10	12X8	375	0.07"	28.0'	18	SURFACE	WHITE	1,2
S-5	PRICE 520	12X8	10X6	135	0.03"	17.0'	< 15	SURFACE	WHITE	1,2
S-6	PRICE SDGE	16X10	14X8 - 18"Ø	330	0.06"	27.0'	25	SPIRAL DUCT	WHITE	1,2,4
R - 1	PRICE 530	24X24	22X22	1600	0.08"		23	LAY-IN	WHITE	1,3
R-2	PRICE 530	24X12	22X10	700	0.08"		21	LAY-IN	WHITE	1,3
R-3	PRICE 530	34X20	32X18	1900	0.08"		23	SURFACE	WHITE	1,3
E-1	PRICE 630	12X12	10X10	250	0.06"		< 15	SURFACE	WHITE	1,3,4
E-2	PRICE 530	12X8	10X6	150	0.06"		< 15	SURFACE	WHITE	1,3
E-3	PRICE 530	20X14	18X12	600	0.06"		17	SURFACE	WHITE	1,3

4.	. PROVIDE WITH OPPOSED BLADE BALANCING DAMPER.					
		μΛτ	WATE			HEDULE
		пиі	WAILI	r col	L 30	NEDULE
				0071	0071	HEATING PERFORMANCE (180

				НОТ	WATE	R CO:	IL SC	HEDU	ILE								<u> </u>
QUIP.				SUPPLY CFM	FIN SIZE	COIL FV (FPM)	FV A.P.D.	L HEATING PERFORMANCE				ICE (180 EWT)			CONN.	RUNOUT	
NO.	MANUFACTURER & MODEL	SERVICE	LOCATION		(H"XL")			МВН	EAT/LAT (DB)	LWT	GPM	P.D. (FT)	VOLUME (GAL)	/FPI	SIZE (IN)	SIZE (IN)	NOTES
HC-1	PRECISION COILS HW58S02B06-15X24	AREA A FC-1/CLASSROOM A111	SEE PLANS	945	15X24	378	0.09	45.1	48.6/93.1	156.3	4.0	2.1	0.75	2/6	3/4"	1"	1,2,3,4
HC-2	PRECISION COILS HW58S02H07-18X28	AREA A FC-2/METAL SHOP A114	SEE PLANS	1900	18X28	543	0.17	99.7	39.1/87.2	161.0	11.0	3.0	1.12	2/7	1"	1-1/4"	1,2,3,4
HC-3	PRECISION COILS HW58S02H07-18X28	AREA A FC-3/WOOD SHOP A113	SEE PLANS	1900	18X28	543	0.17	99.7	39.1/87.2	161.0	11.0	3.0	1.12	2/7	1"	1-1/4"	1,2,3,4
HC-4	PRECISION COILS HW58S02H11-21X30	AREA A RTU-1/WRESTLING ROOM	SEE PLANS	2540	21X30	580	0.33	171.7	34.8/96.3	156.0	15.0	1.8	1.42	2/11	1-1/4"	1-1/2"	1,2,3,4
HC-5	PRECISION COILS HW58S02B08-15X20	AREA B EXG AHU-3/BAND ROOM	SEE PLANS	1530	15X20	735	0.31	64.2	55.0/94.7	155.5	5.5	3.6	0.60	2/8	3/4"	1"	1,2,3,4
HC-6	PRECISION COILS W12199N1	AREA B EXG AHU-3/BAND OFFICE	SEE PLANS	210	9X9	370	0.09	9.6	55.0/98.5	170.0	2.0	0.9	0.08	1/12	3/4"	3/4"	1,2,3,4
HC-7	PRECISION COILS W8199N1	AREA B EXG AHU-3/BAND PRACTICE & STORAGE	SEE PLANS	90	9X9	153	0.01	3.6	55.0/95.1	172.3	1.0	0.2	0.08	1/8	3/4"	1/2"	1,2,3,4
HC - 8	PRECISION COILS HW58S01A13-12X14	AREA B EXG AHU-3/CORRIDOR	SEE PLANS	670	12X14	575	0.20	27.8	55.0/94.2	163.3	3.5	3.6	0.22	1/13	3/4"	3/4"	1,2,3,4
HC-9	PRECISION COILS HW58S01A14-16.5X18	AREA B EXG AHU-3/LKR ROOM	SEE PLANS	1165	16.5X18	564	0.20	48.7	55.0/94.6	150.8	3.5	4.6	0.30	1/14	3/4"	3/4"	1,2,3,4

COIL SHALL BE MOUNTED IN THE DUCTWORK AS SHOWN ON THE PLANS. CONTRACTOR TO COORDINATE LH/RH CONFIGURATION WITH HYDRONICS CONTRACTOR PRIOR TO ORDERING.
 SEE HEATING COIL PIPING DETAIL.
 AUTOMATIC FLOW CONTROL/VALVE ASSEMBLY & STRAINER ASSEMBLY BY PLUMBING CONTRACTOR.

				нот	WA	TER	CAE	BINE	ΤU	NIT	HEATEF	2				
EQUIP.		10017701							WPD		ELECTRI	CAL			UNIT	
NO.	MANUFACTURER & MODEL	LOCATION	CFM	MBH	GPM	LAT	EWT	LWT	(FT)	HP	V/PH/CY	RPM	FLA	RUNOUT SIZE	WEIGHT (LBS)	1
CUH - 1	SIGMA SFF-A-06-WI	AREA A - VESTIBULE A101	600	53.7	3.5	143.0	180.0	148.0	1.2	1/10	120/1/60	1075	1.7	1"	125 + WATER	1,3,4
CUH-2	SIGMA SFF-A-06-SRI	AREA C - VESTIBULE C100	600	53.7	3.5	143.0	180.0	148.0	1.2	1/10	120/1/60	1075	1.7	1"	125 + WATER	2,3,4
2. 3. 4. 5.	UNIT SHALL BE FULLY EXPOSED UNIT SHALL BE SEMI RECESSED PERFORMANCE BASED ON 30% PR UNIT MOUNTED 3 SPEED SWITCH CUSTOM COLOR BAKED ENAMEL, SEE CABINET UNIT HEATER PIP	, INVERTED AIR FLOW WALL MOU OPYLENE GLYCOL. . UNIT TO BE CONFIGURED FOR STANDARD COLOR NOT ACCEPTABI	UNTED TYP FIELD IN	PE AND SHA	ALL BE MO	UNTED AT	8" A.F.F	. ARRANGE								

PROVIDE WITH (1) ADDITIONAL SET OF DISPOSABLE FILTERS.
 PROVIDE UNIT WITH FACTORY INSTALLED MANUAL STARTER DISCONNECT (NO OVERLOADS).

## DOMESTIC & HYDRONIC PIPING MATERIAL & INSULATION SCHEDULE

	PIPING		INSU	LATION THICKN	ESS
SYSTEM	TYPE/MATERIAL	FITTINGS	PIPE SIZES 1" OR SMALLER	PIPE SIZES 1-1/4" TO 2"	PIPE SIZES 2-1/2" AND LARGER
DOMESTIC COLD, HOT, AND HOT RECIRC	TYPE L COPPER	SOLDER, PRO-PRESS	1/2"	1"	1-1/2"
COMPRESSED AIR	SCH 40 BLACK STEEL	SEE SPECS FOR STEEL FITTINGS		NONE	
BELOW GRADE SANITARY WASTE & VENT PIPING	SEE SPECIFICATIONS (SCH 40 PVC WHERE PERMITTED)	SEE SPECIFICATIONS (SCH 40 DWV SOLVENT WELD WHERE PERMITTED)		NONE	
ABOVE GRADE SANITARY WASTE & VENT PIPING	SEE SPECIFICATIONS (SCH 40 PVC WHERE PERMITTED)	SEE SPECIFICATIONS (SCH 40 DWV SOLVENT WELD WHERE PERMITTED)		NONE	
HOT WATER SUPPLY & RETURN	TYPE L COPPER, SCH 40 BLACK STEEL	SOLDER, PRO-PRESS, SEE SPECS FOR STEEL FITTINGS	1/2"	1"	1-1/2"
CHILLED WATER SUPPLY & RETURN	TYPE L COPPER, SCH 40 BLACK STEEL	SOLDER, PRO-PRESS, SEE SPECS FOR STEEL FITTINGS	1/2"	1"	1-1/2"
CONDENSATE DRAIN PIPING/VENTING	TYPE M COPPER, SCH 40 PVC WHERE PERMITTED	SOLDER, PRO-PRESS, SOLVENT WELD		NONE	

4. NO PEX PIPING WILL BE ALLOWED IN REGULARLY OCCUPIED AREAS WITH EXPOSED STRUCTURE CEILINGS (SHOP AREAS, WRESTLING, ETC.)

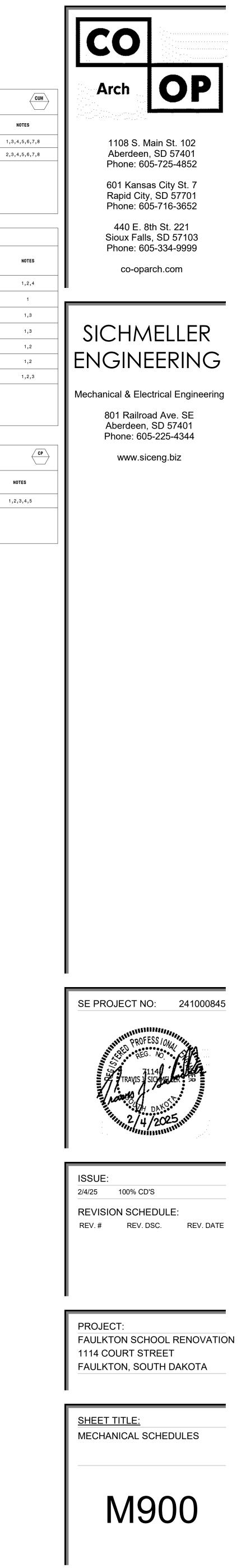
				P	UMP	SCHED	ULE					
EQUIP.					HEAD			E	LECTRICAL			
NO.	MANUFACTURER & MODEL	SERVING	LOCATION	GPM	(FEET)	TYPE	HP (W)	RPM	V./PH./CY.	FLA	WEIGHT (LBS)	
CP - 1	GRUNDFOS UPS15-58FC	AREA A - INFLOOR HEAT ZONES	SHOP ADDITION NORTH A121	6	10	IN-LINE	1/25	2450	120/1/60	0.75	7.25	1
3	. PC TO PROVIDE & INSTAL 2. PERFORMANCE BASED ON 3 3. SEE INFLOOR HEAT SYSTE 4. PROVIDE PUMP WITH 3 SP 5. BY ADD ALTERNATE.	M PIPING DIAGRAM.	VALVES ACROSS PUMF	P SUCTIONS & [	DISCHARGE FOR	BALANCING PURPOSE	S.					

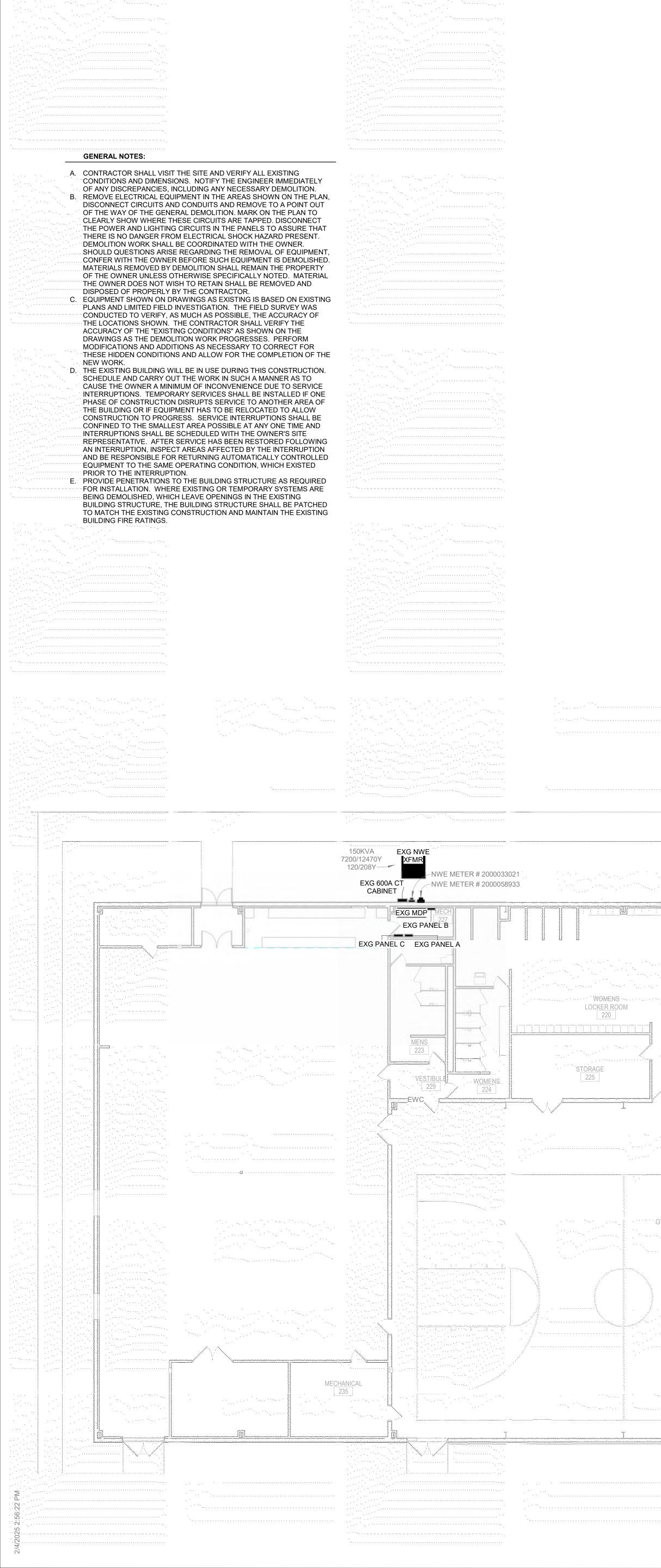
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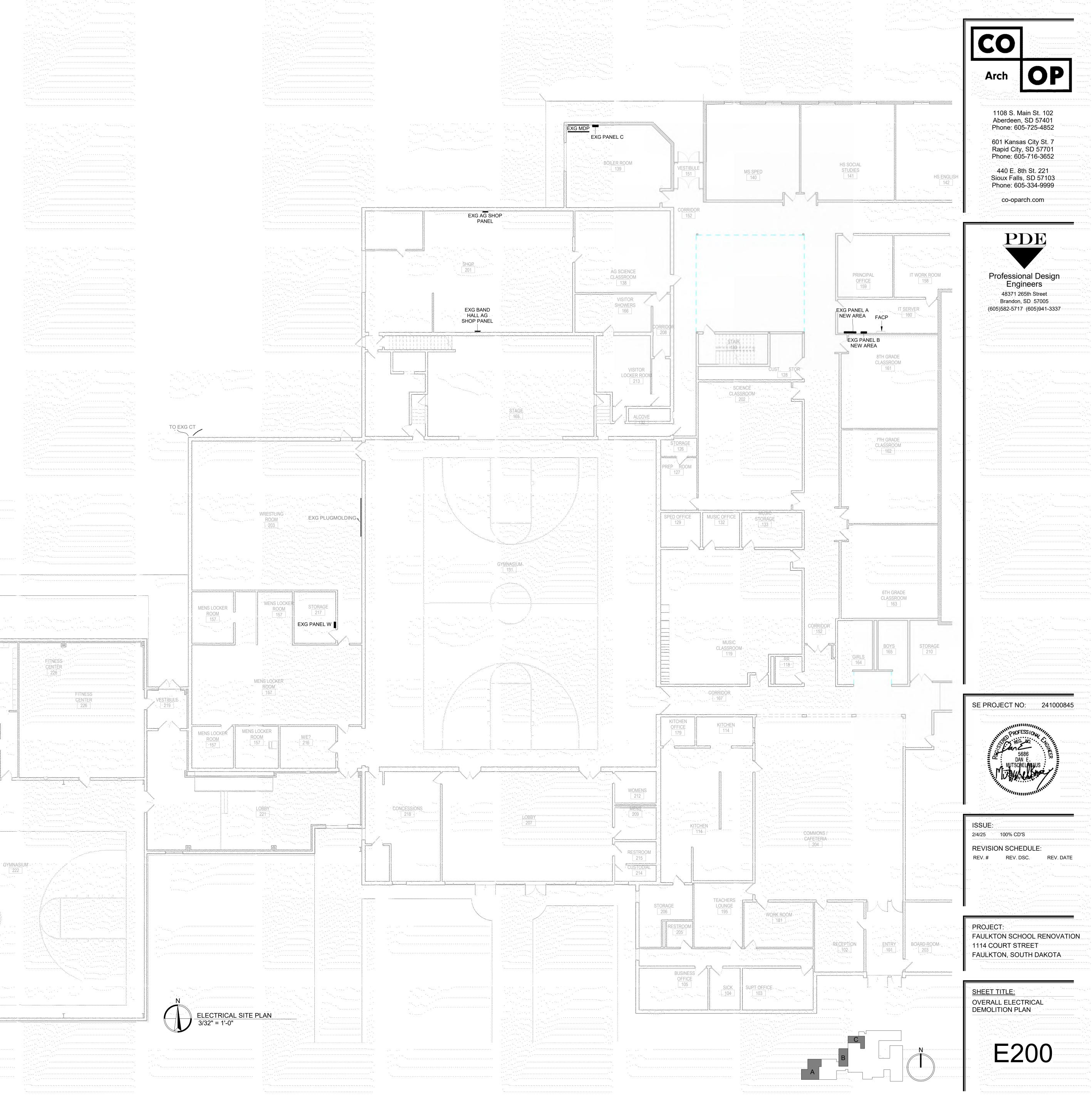
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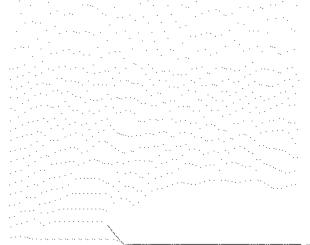
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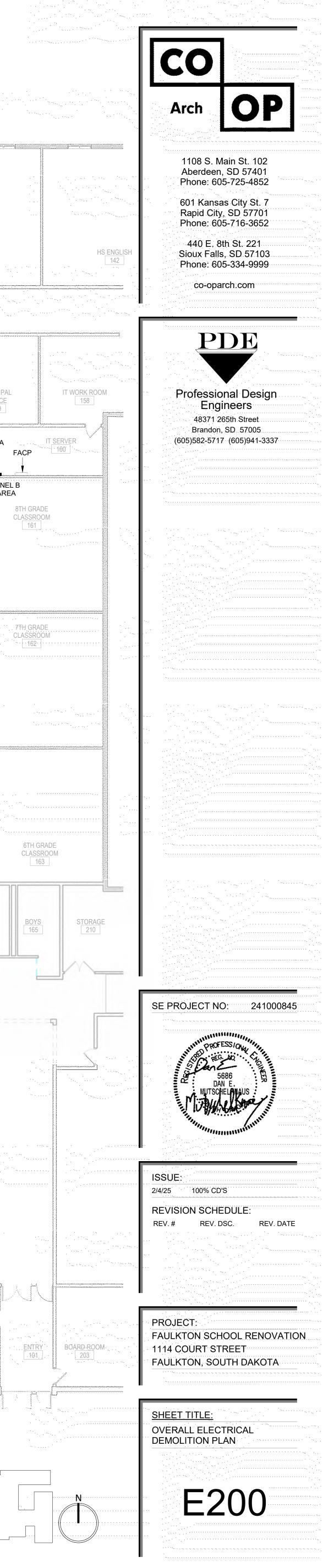
WEIGHT (LBS.)





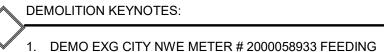






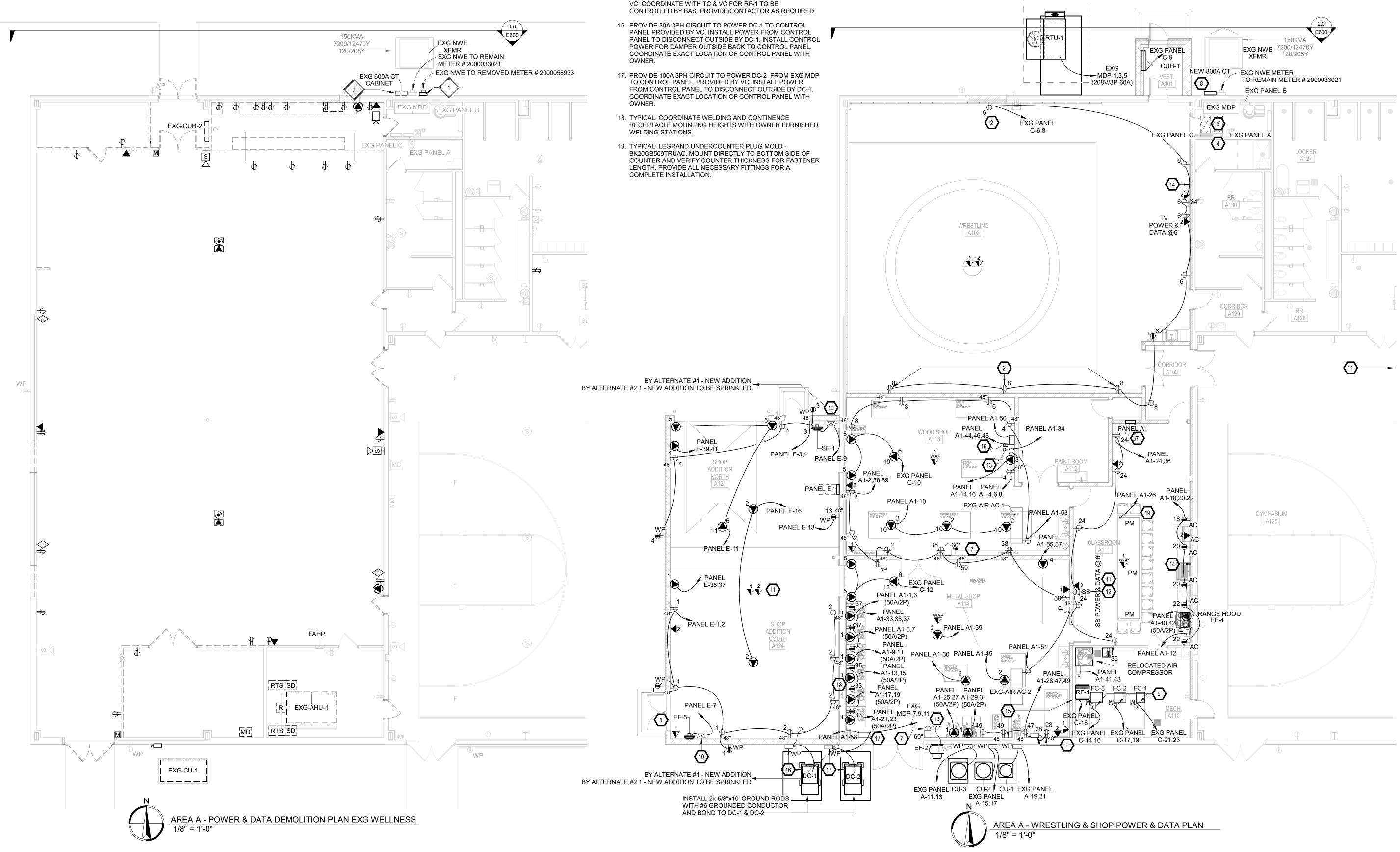
GENERAL NOTES:

- 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
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POWER TO PANEL A. NWE METER # 2000033021 WILL REMAIN TO SERVE THIS AREA.

2. DEMO EXG 600A CT CABINET SERVING THIS AREA.



### SPECIAL OUTLET

- 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:

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
- 4. INSTALL SUB FEED LUGS IN EXG PANEL A TO SERVE NEW
- 5. NOT USED

PANEL E.

PANEL A1.

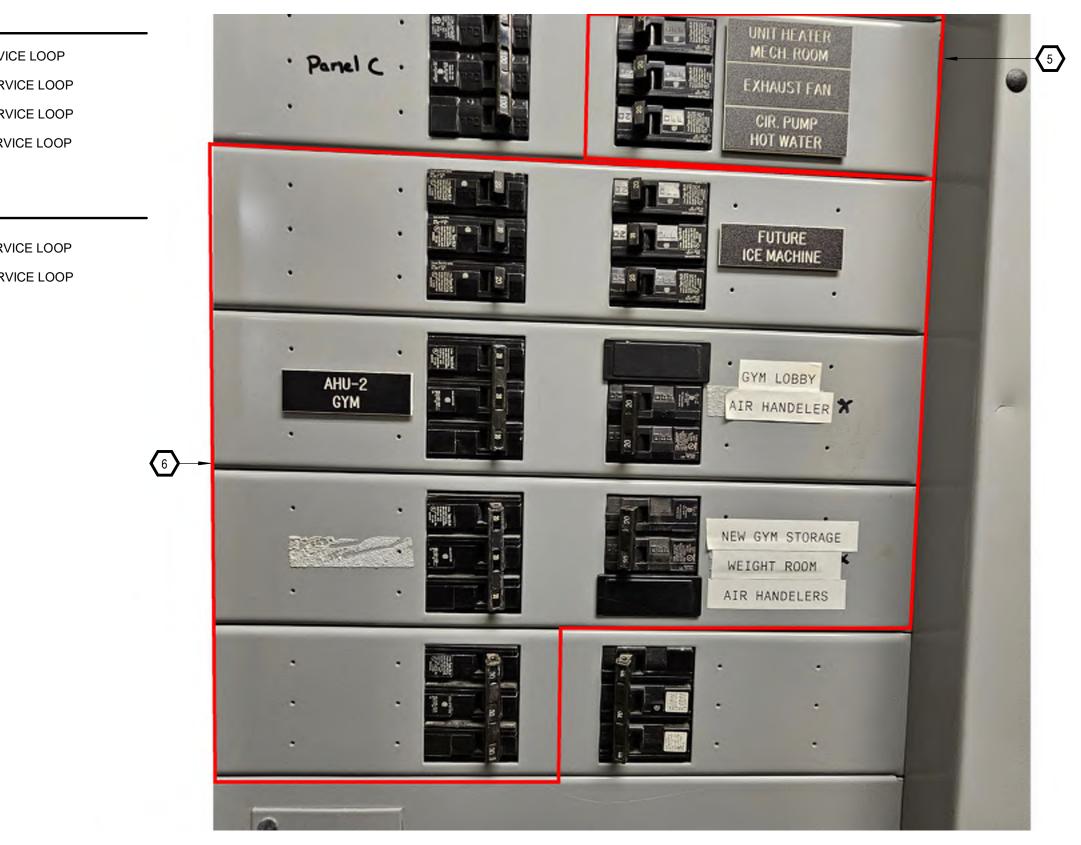
- 6. RELOCATE 9 EXG SINGLE POLE CIRCUITS FROM EXG MDP TO EXG PANEL A TO MAKE SPACE AVAILABLE FOR A 60A 3PH BREAKER FOR RTU-1. REWORK AND EXTEND WIRE TO EXG PANEL A AS REQUIRED. PROVIDE SIEMENS BREAKERS.
- 7. PROVIDE EMERGENCY PUSHBUTTONS WIRED IN SERIES FOR CONTROL OF SHOP EQUIPMENT. PROVIDE CONNECTION TO 200A SHUNT-TRIP MAIN CIRCUIT BREAKER IN PANEL A1. 8. INSTALL NEW 800A WALL MOUNT CT CABINET (AMP CT8-4L
- CAB CT 800A 3PH 4W 600V 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 NO2CO 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 11/16" JUNCTION BOX OR APPROVED EQUAL. SEE G001 CODE AND ORDINATION PLAN.
- 15. CONNECT POWER TO LINE VOLTAGE DAMPER PROVIDED BY

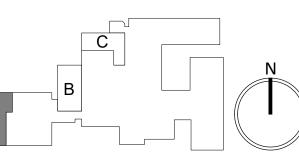
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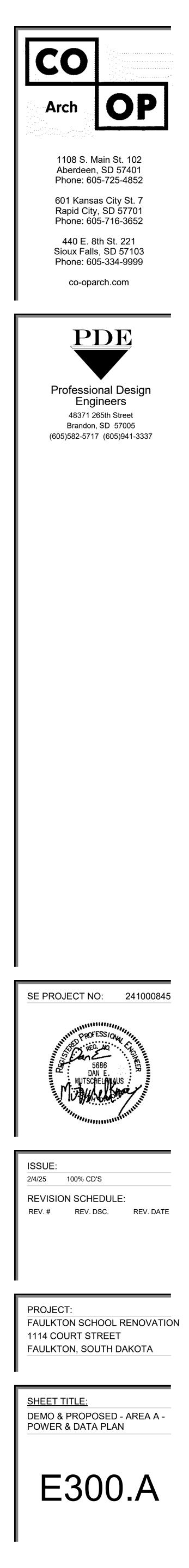
- 1. 1 CAT 6 CABLE WITH 15' SERVICE LOOP 2. 2 - CAT 6 CABLES WITH 15' SERVICE LOOP
- 3. 3 CAT 6 CABLES WITH 15' SERVICE LOOP
- 4. 1 CAT 6a CABLE WITH 15' SERVICE LOOP

### CEILING DATA KEYNOTES:

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







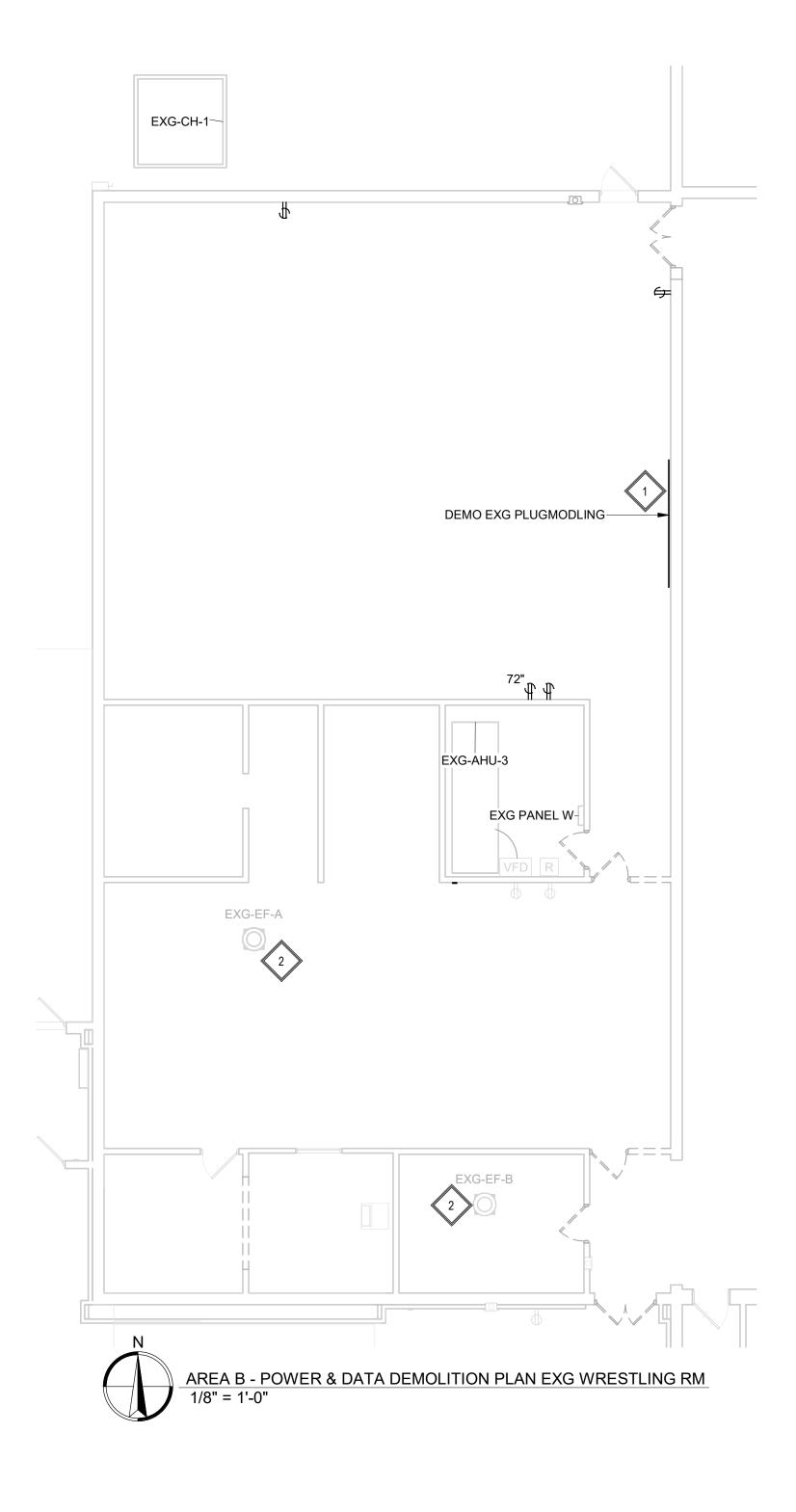
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DEMOLITION KEYNOTES:

TYPICAL WALL PATCHING - GC SHALL BE RESPONSIBLE TO PATCH EXG BRICK AFTER DEMO OF PLUGMOLDING. EC TO COORDINATE WITH GC.

2. 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

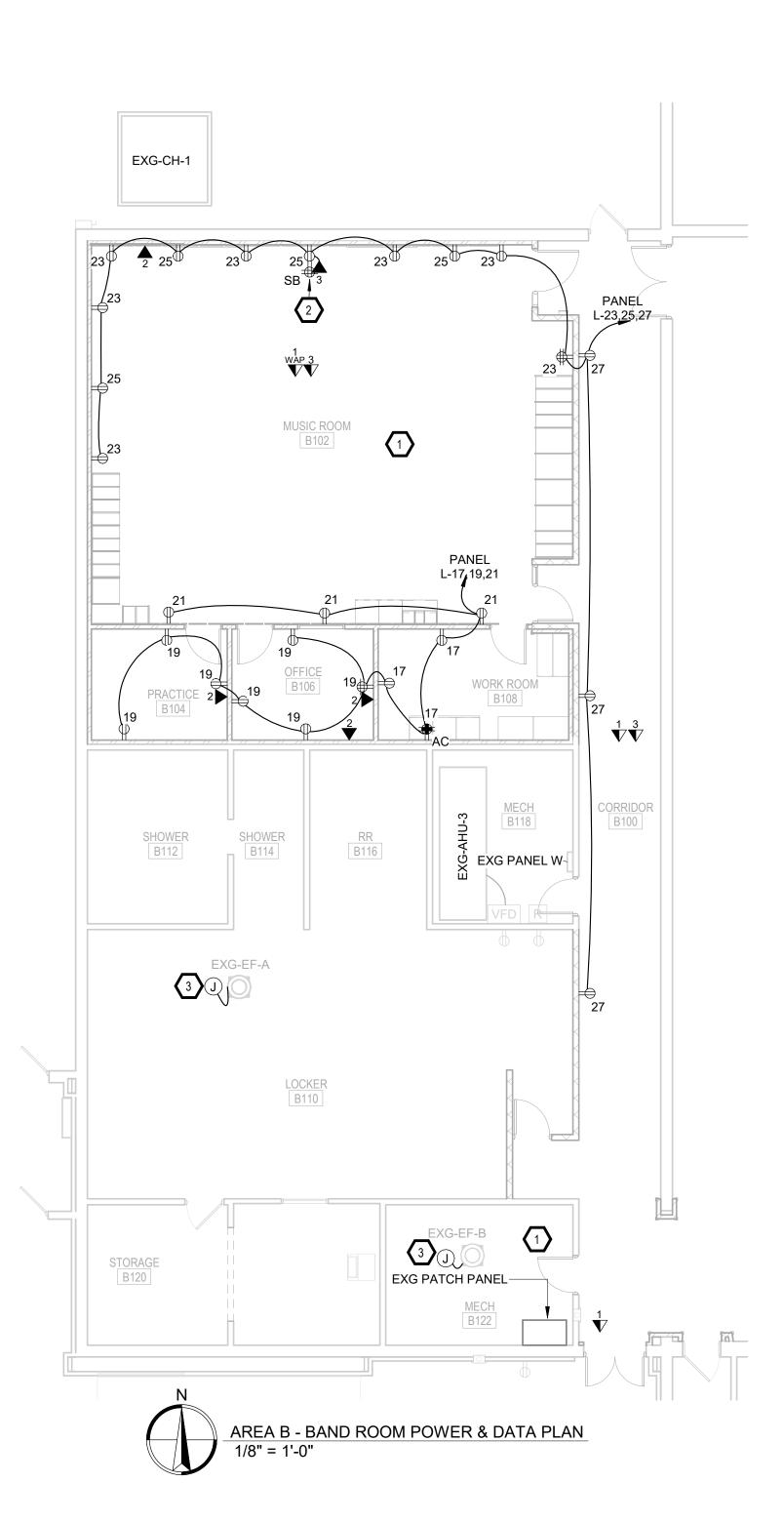
- EXG PATCH PANEL IN ROOM B122. 2. TYPICAL: SB(SMARTBOARD) LOCATION INSTALL 1 - 1" CONDUIT STUBBED INTO CEILING. EACH SB LOCATION WILL HAVE 1 - QUAD DUPLEX, 3 - CAT 6 CABLES, 1 -AUDIO CABLE FOR AUDIO ENHANCEMENT SYSTEM. INSTALL @ 72" TO LEFT OF GC PROVIDED BACKING. COORDINATE WITH GC FOR BACKING LOCATIONS. SMARTBOARD PROVIDED BY OWNER.
- 3. INSTALL JUNCTION BOXES FOR BAS TO CONTROL EXG EF-A AND EF-B. COORDINATE WITH TC.

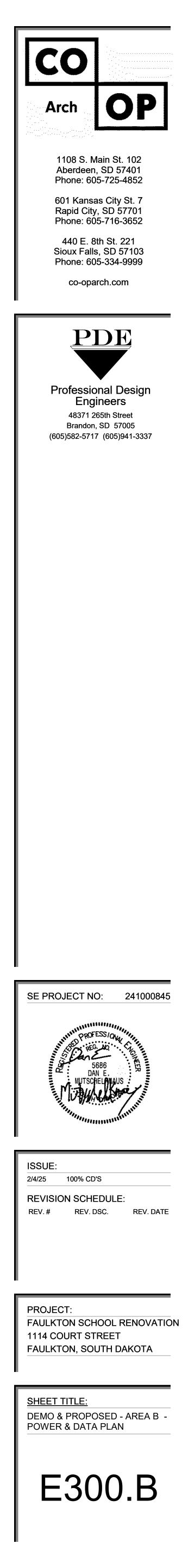
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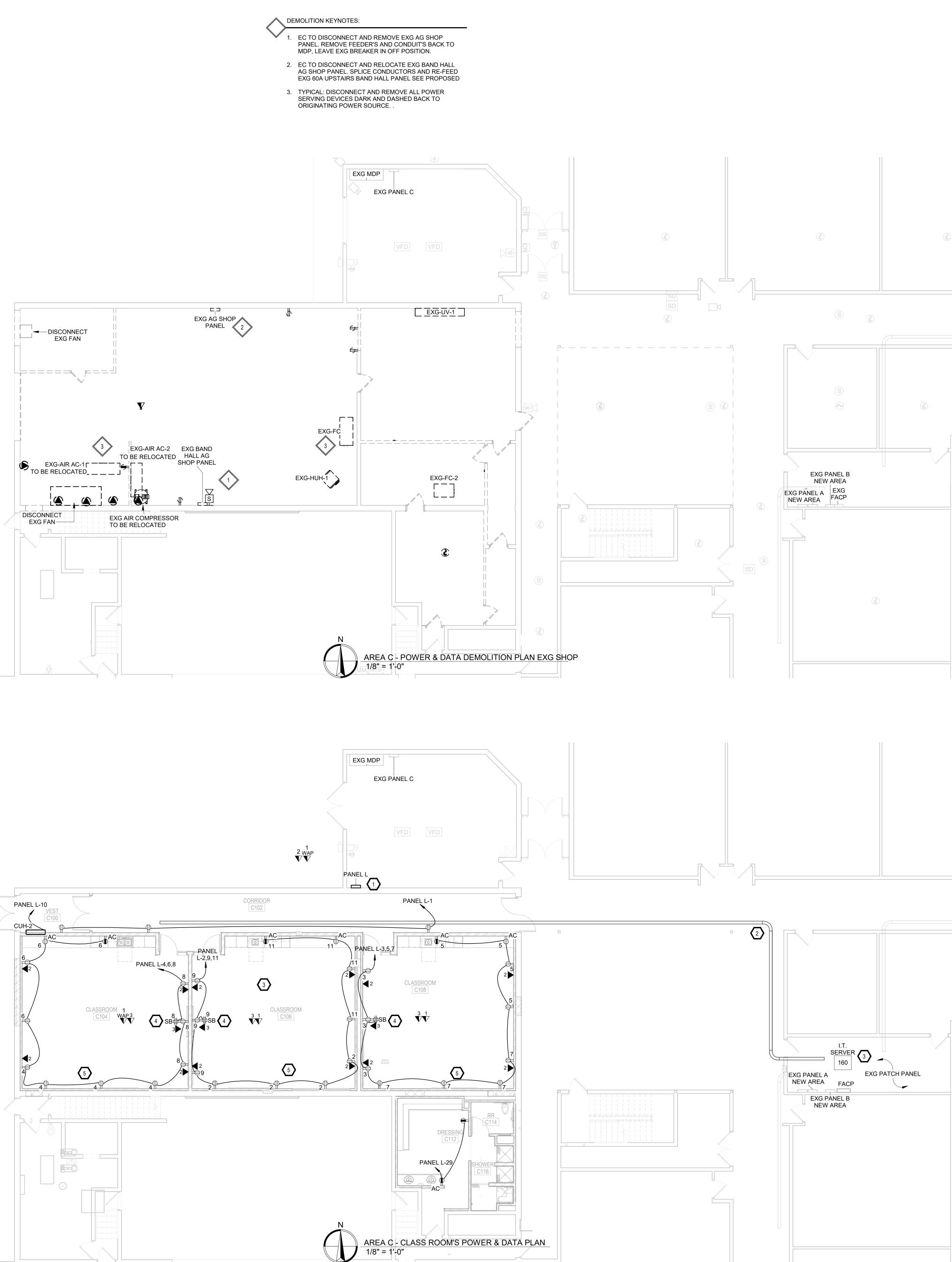
- 1. 1 CAT 6 CABLE WITH 15' SERVICE LOOP
- 2. 2 CAT 6 CABLES WITH 15' SERVICE LOOP 3. 3 - CAT 6 CABLES WITH 15' SERVICE LOOP
- 4. 1 CAT 6a CABLE WITH 15' SERVICE LOOP

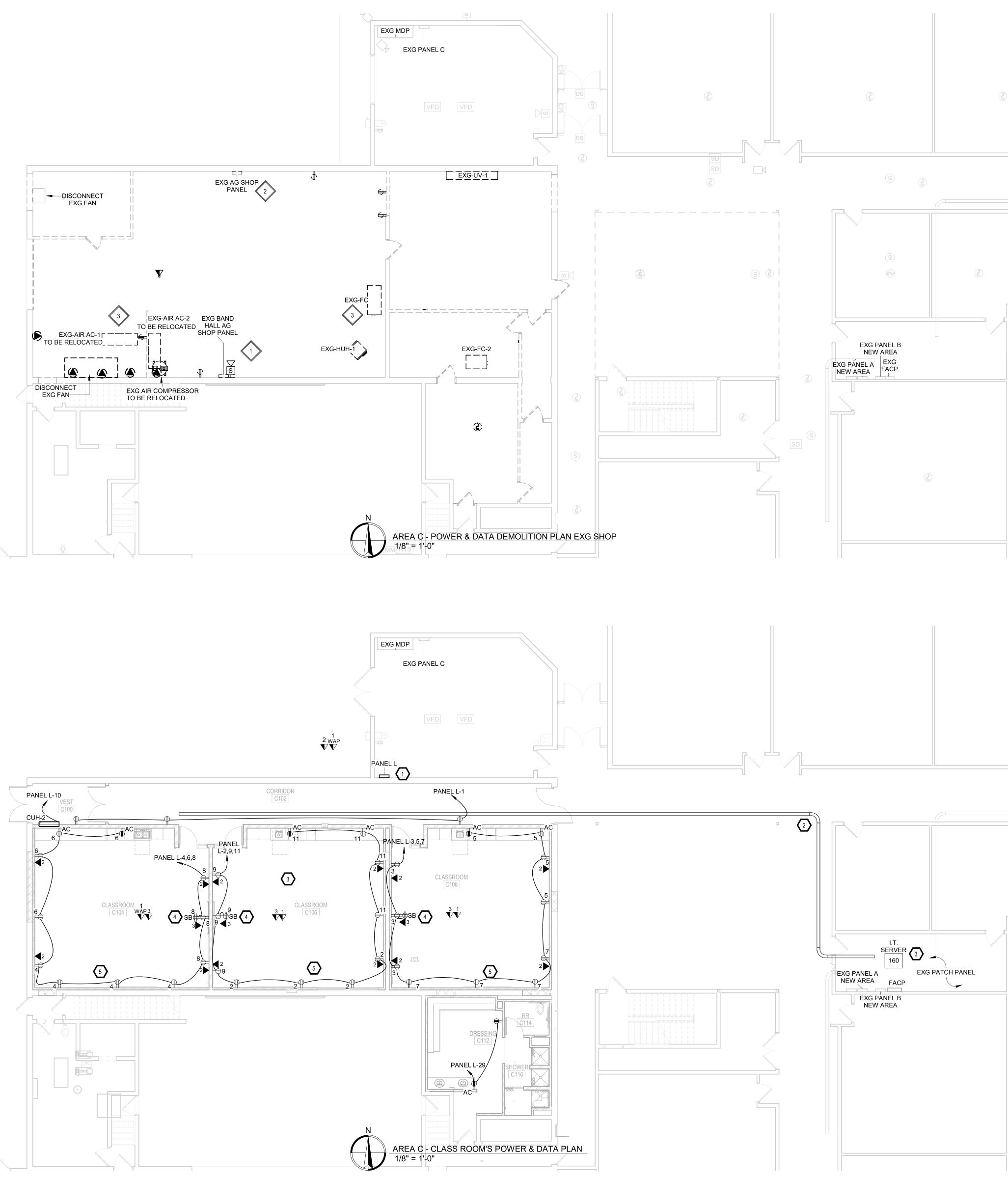
# CEILING DATA KEYNOTES:

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- 2. 2 CAT 6 CABLES WITH 15' SERVICE LOOP
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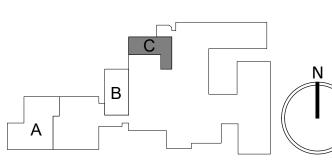
- . INTERCEPT EXG FEEDER FROM BAND HALL AG SHOP PANEL AND REWORK TO INSTALL SALVAGED BAND HALL AG SHOP PANEL IN MECH 135. PANEL TO BE RELABELED AS PANEL L. RE-FEED EXG 60A HALLWAY PANEL FROM DEMO.
- 2. 201 SERIES TRAY 6.25" DEEP CM 201-425-8, OR EQUAL. PROVIDE CABLE TRAY WITH ALL APPROPRIATE FITTINGS TO MAKE T'S AND ELBOWS.
- 3. TYPICAL: ALL DATA CABLING IN THIS AREA ROUTED TO EXG PATCH PANEL IN ROOM - I.T. SERVER 160
- 4. 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.
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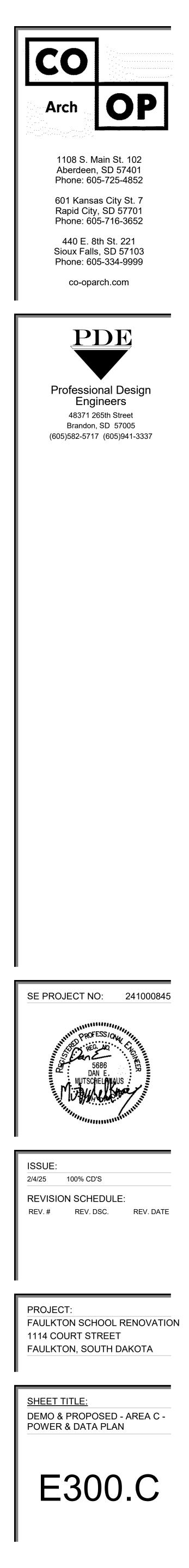
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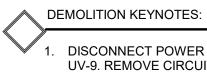
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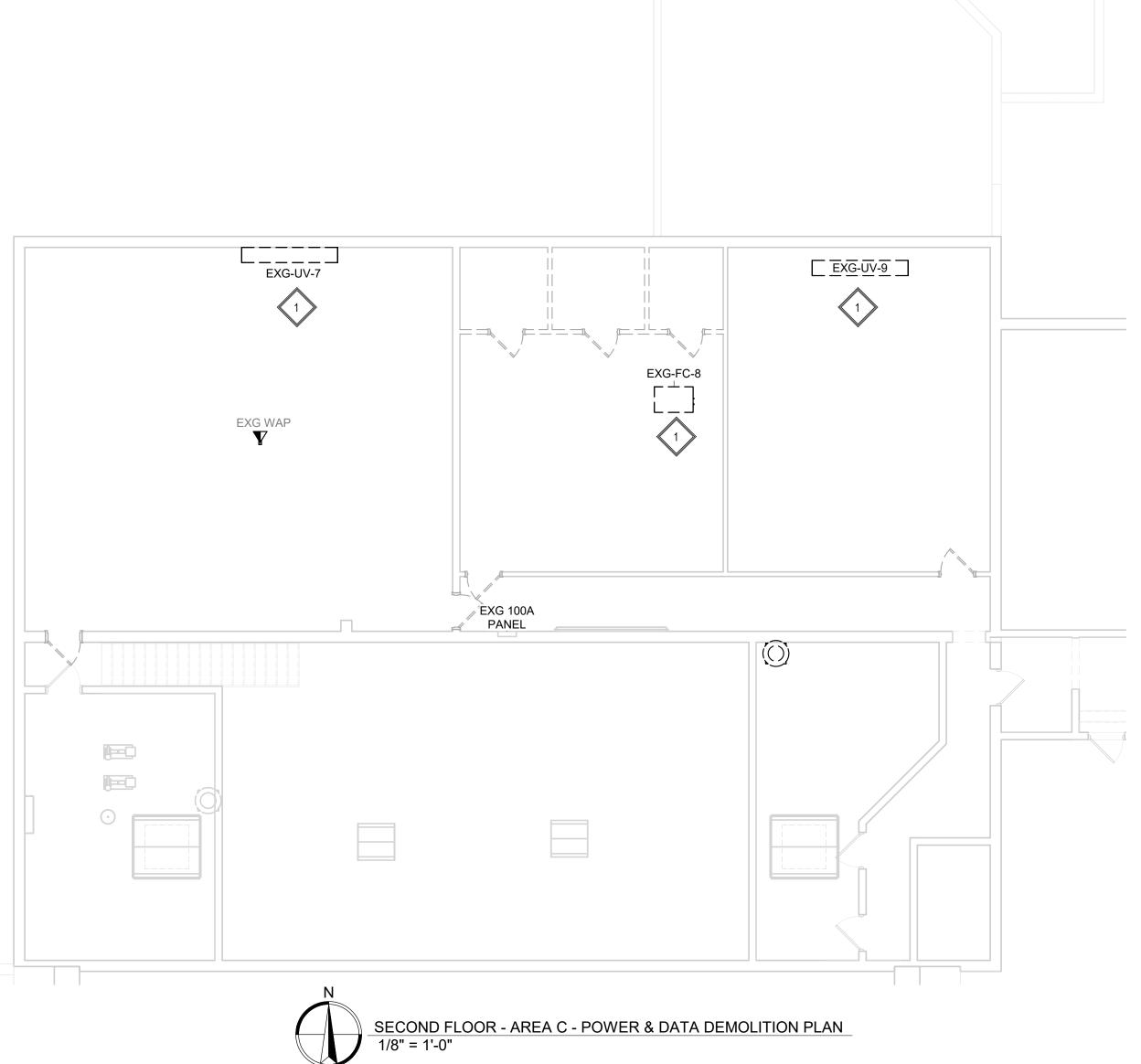




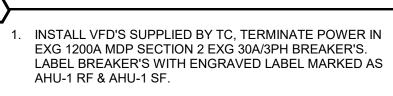
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✓ 1. DISCONNECT POWER SERVING EXG UV-7, FC-8 AND UV-9. REMOVE CIRCUITS BACK TO SOURCE FEEDING DEVICES.



ELECTRICAL KEYNOTES:



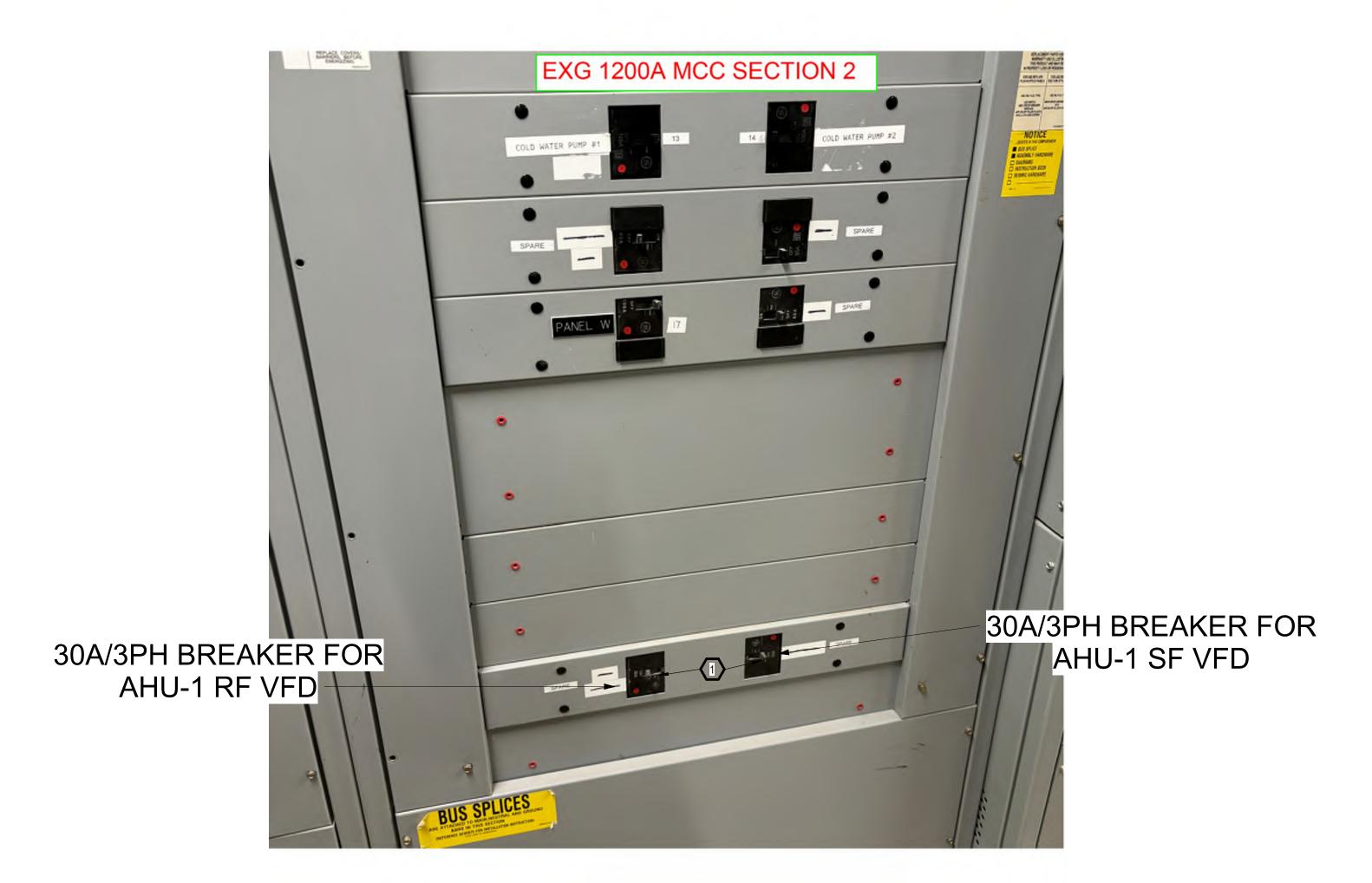
2. PROVIDE AND INSTALL RELAY AND JUNCTION BOX FOR VC PROVIDED EF-3 FOR INTEGRATION WITH BAS.

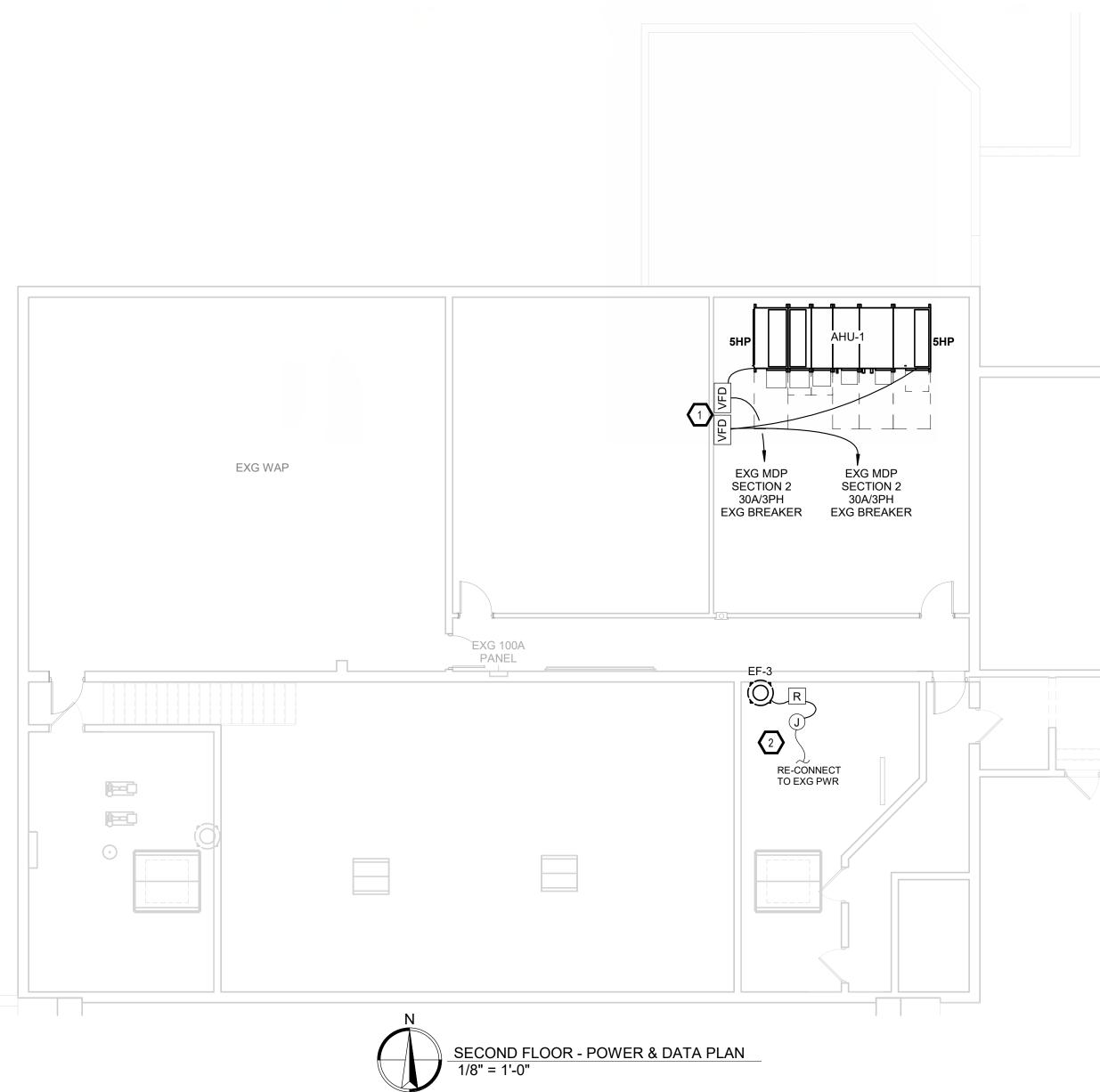
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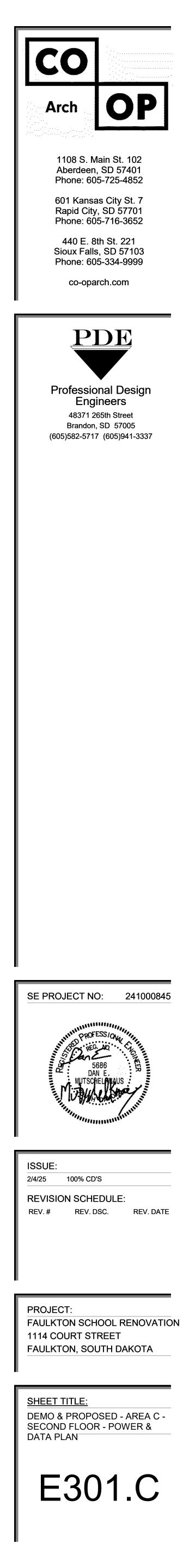
- 1. 1 CAT 6 CABLE WITH 15' SERVICE LOOP
- 2. 2 CAT 6 CABLES WITH 15' SERVICE LOOP
- 3. 3 CAT 6 CABLES WITH 15' SERVICE LOOP 4. 1 - CAT 6a CABLE WITH 15' SERVICE LOOP

## CEILING DATA KEYNOTES:

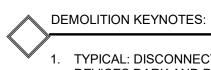
- 1. 1 CAT 6a CABLE WITH 15' SERVICE LOOP
- 2. 2 CAT 6 CABLES WITH 15' SERVICE LOOP



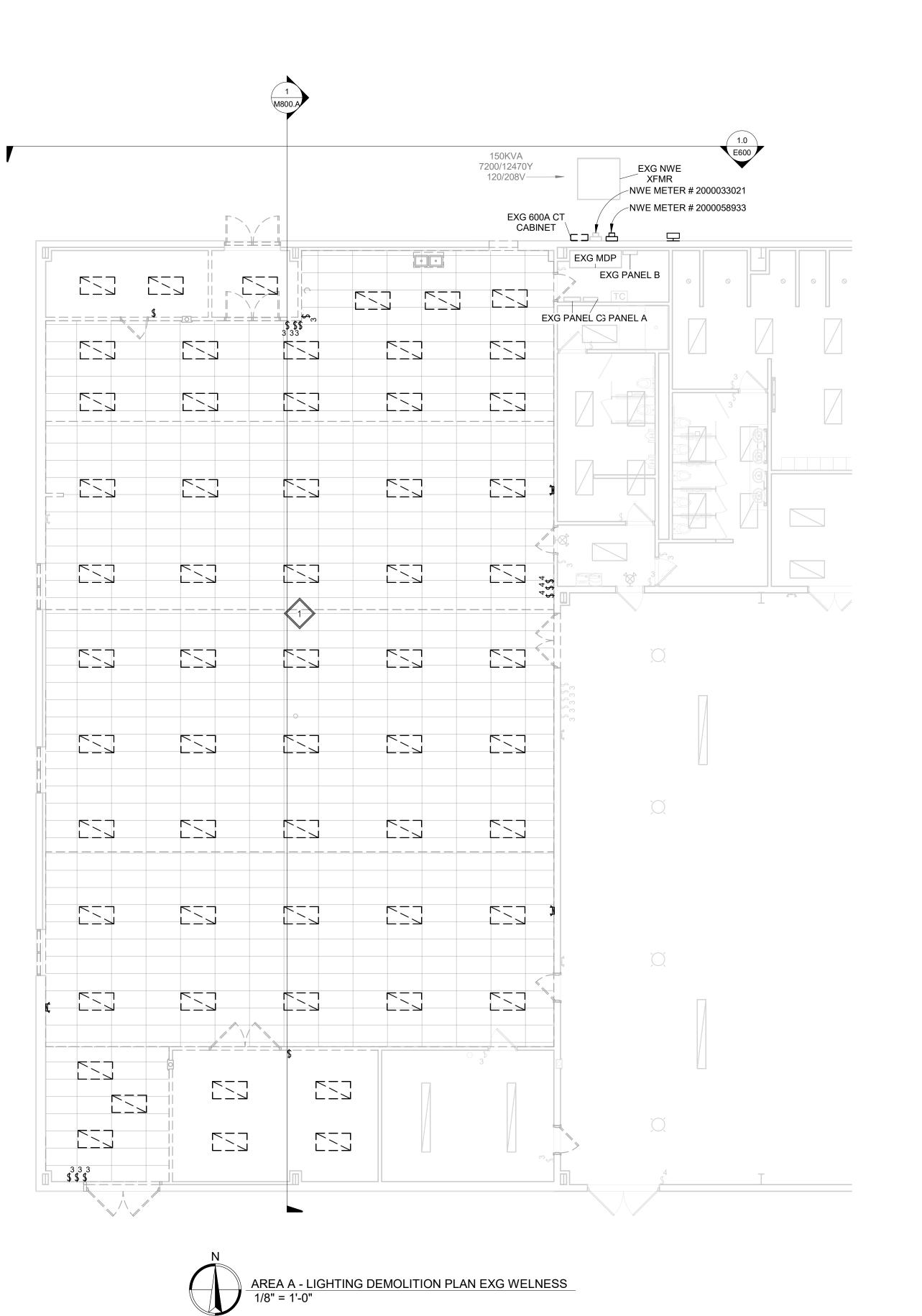


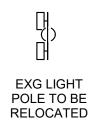


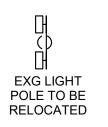
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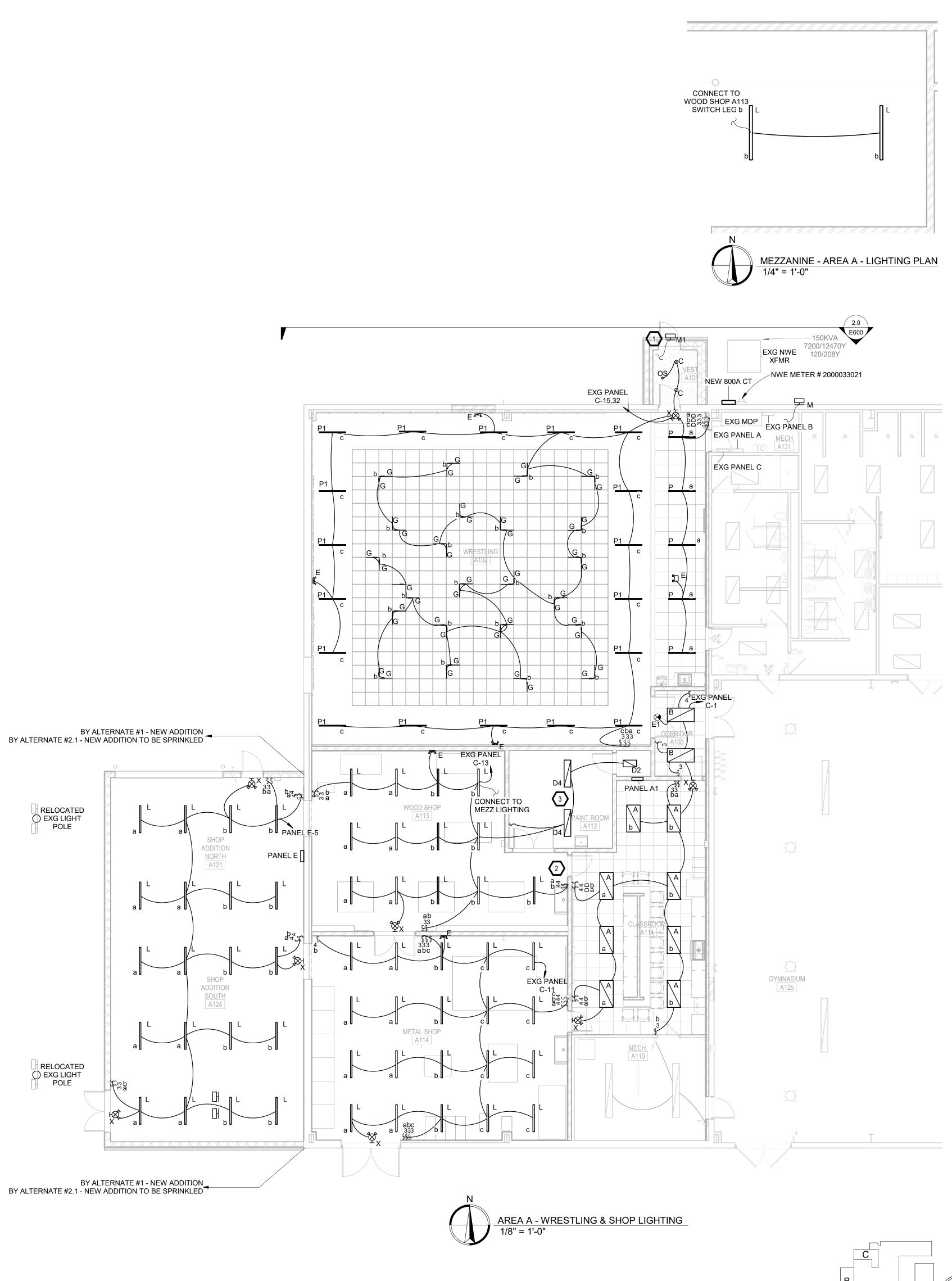


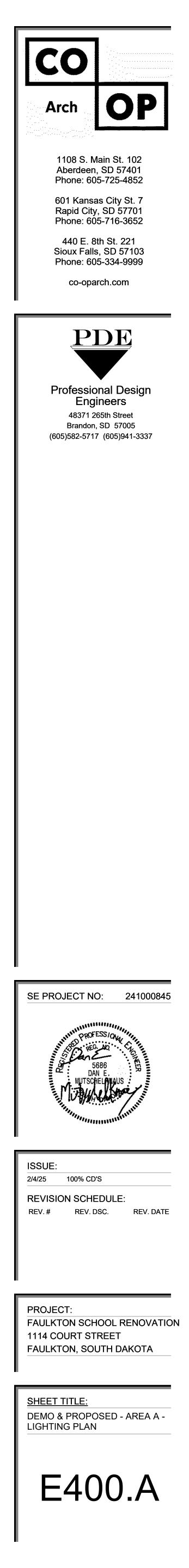
ELECTRICAL KEYNOTES:

PER NEC.

. CONNECT LIGHT TO EXG EXTERIOR LIGHTING CIRCUIT. PROVIDE UNSWITCHED POWER FOR BATTERY.

- 2. MAINTAIN 5' CLEARANCES FROM ELECTRICAL DEVICES
- 3. THIS ROOM SHALL HAVE A CLASS1, DIV. 2 RATING. ALL WIRING METHODS SHALL COMPLY WITH NEC ARTICLES 500 & 501.

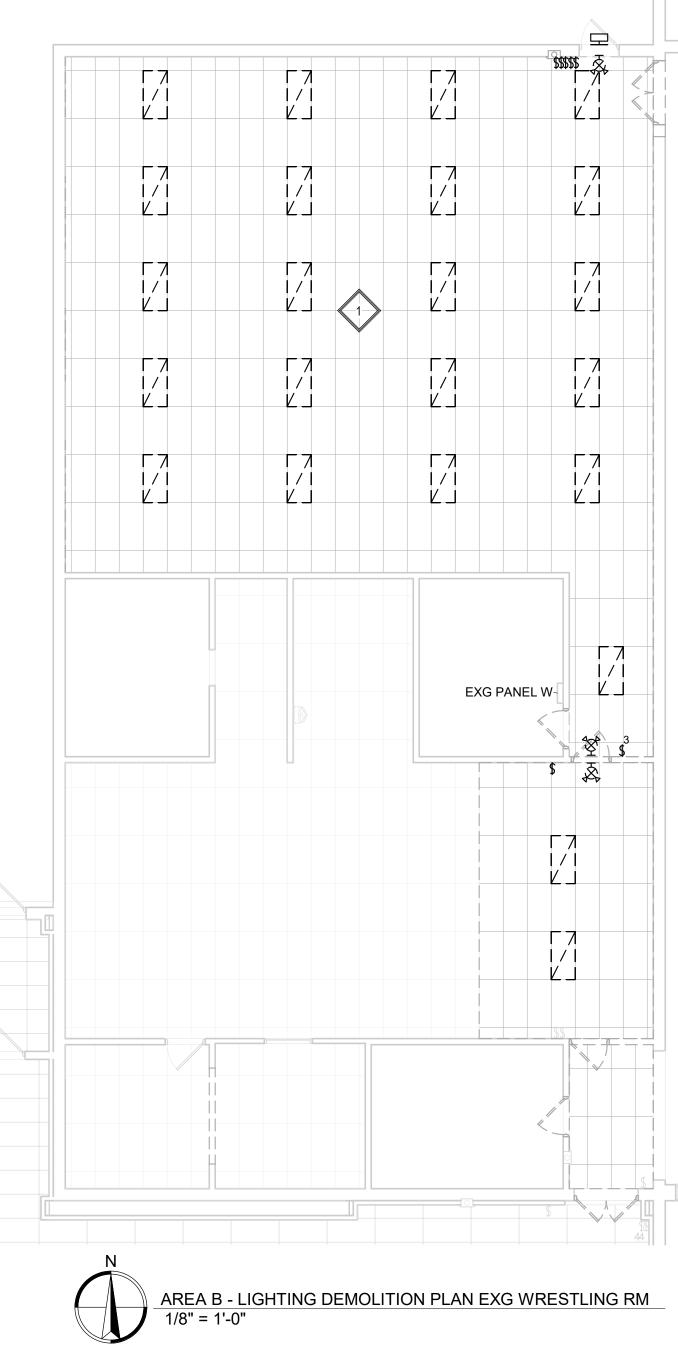




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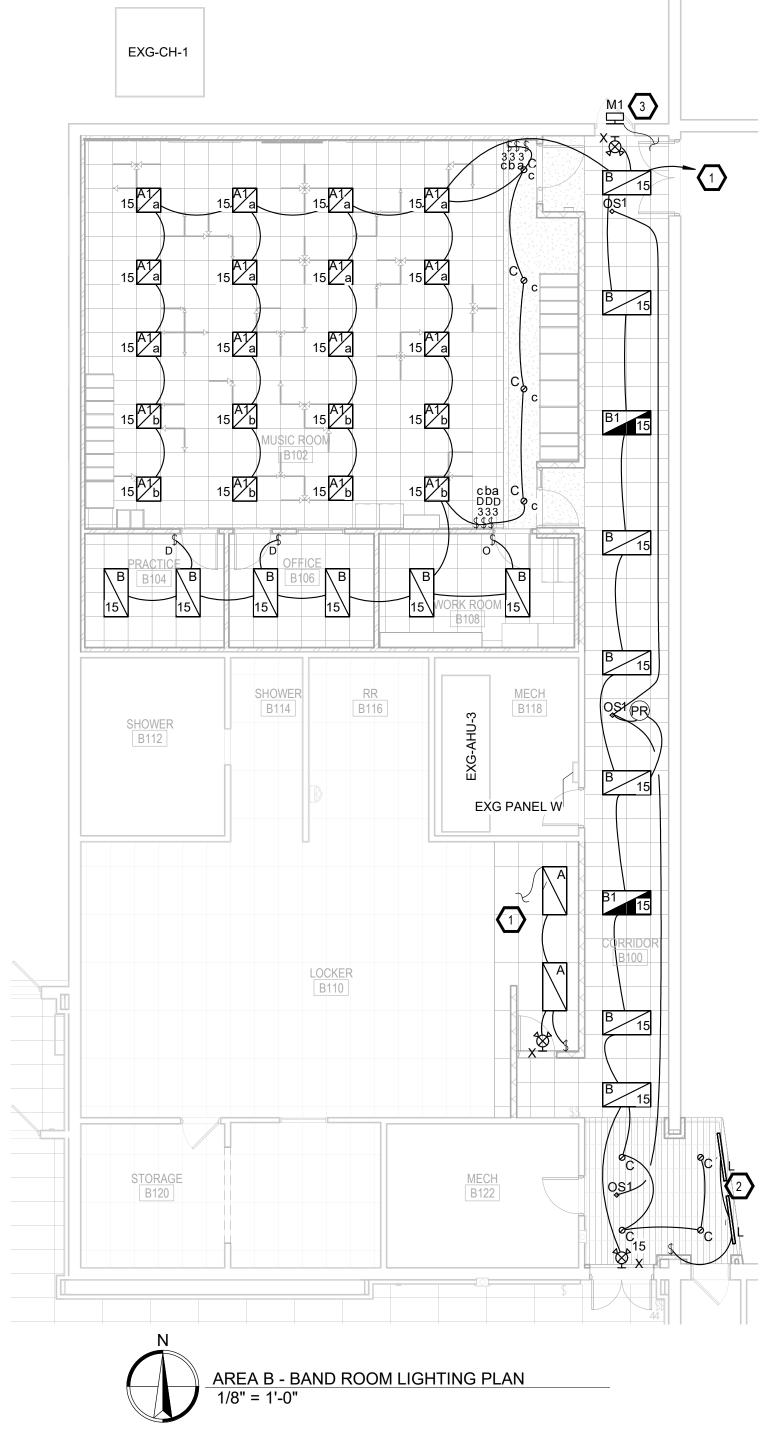


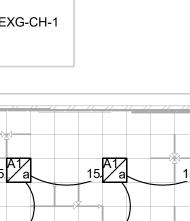
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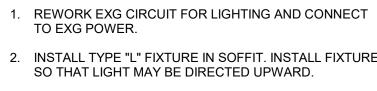




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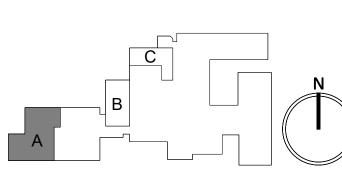


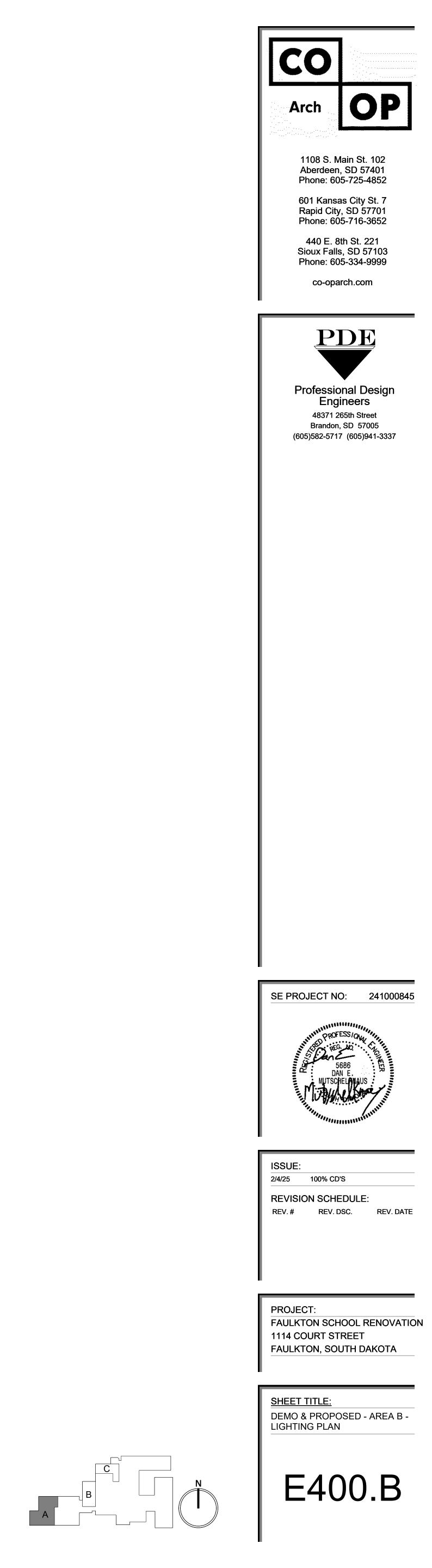


ELECTRICAL KEYNOTES:

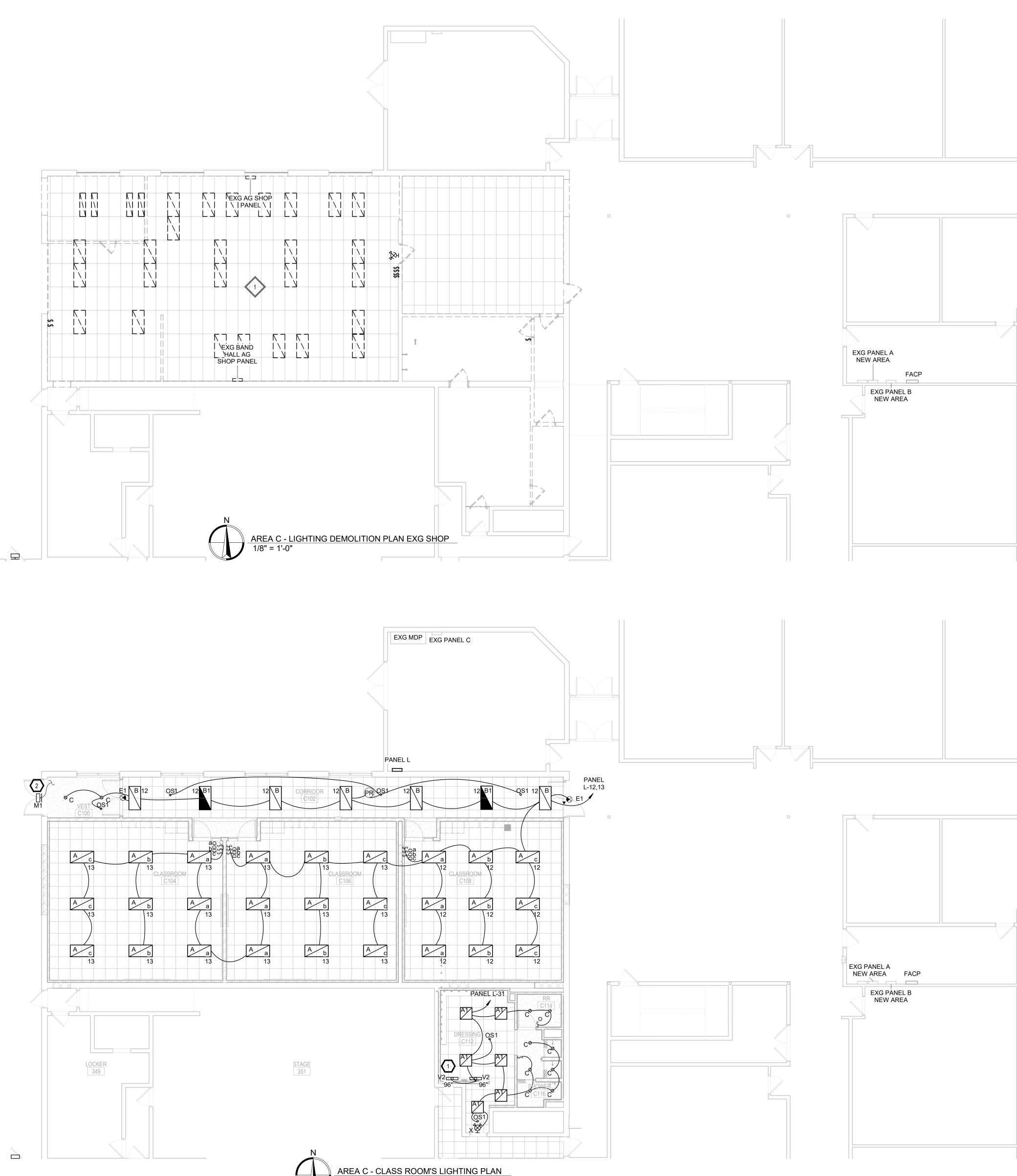
- 2. INSTALL TYPE "L" FIXTURE IN SOFFIT. INSTALL FIXTURE SO THAT LIGHT MAY BE DIRECTED UPWARD.
- 3. CONNECT LIGHT TO EXG EXTERIOR LIGHTING CIRCUIT.

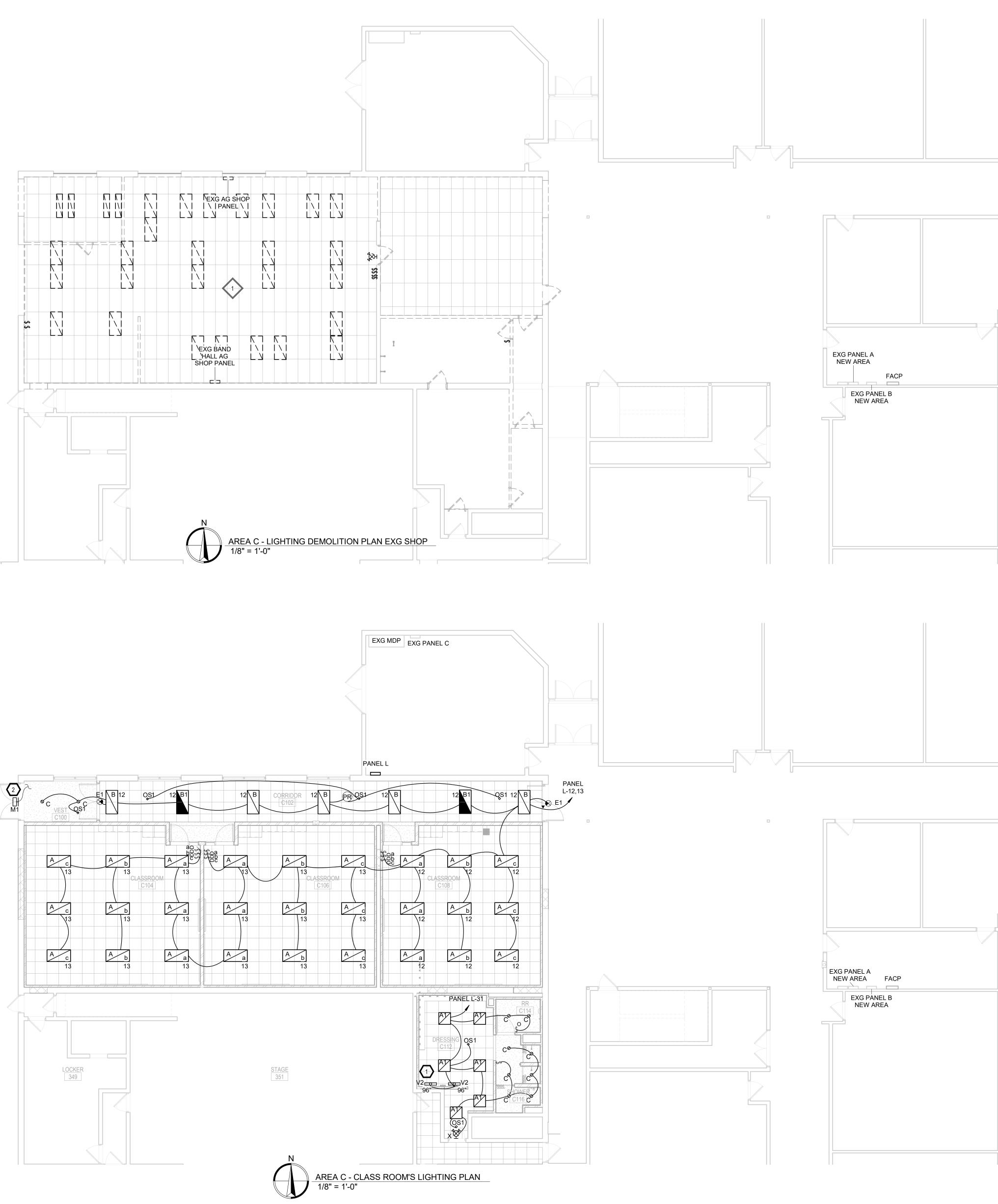
PROVIDE UNSWITCHED POWER FOR BATTERY.







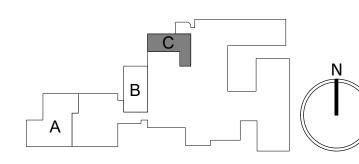


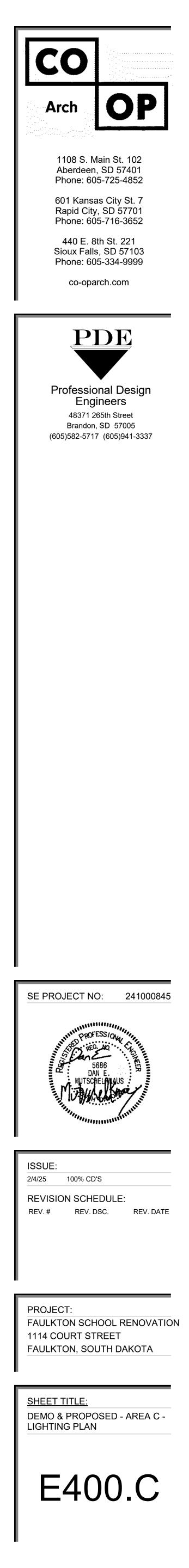


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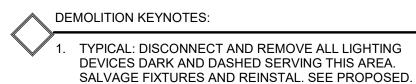
ELECTRICAL KEYNOTES:

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





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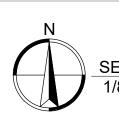


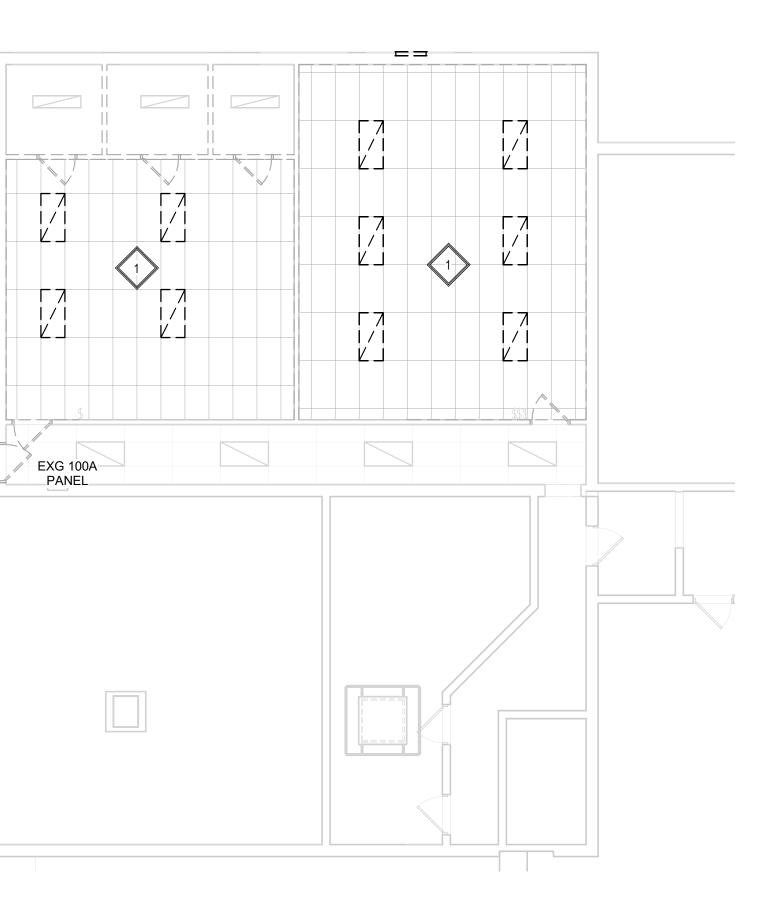
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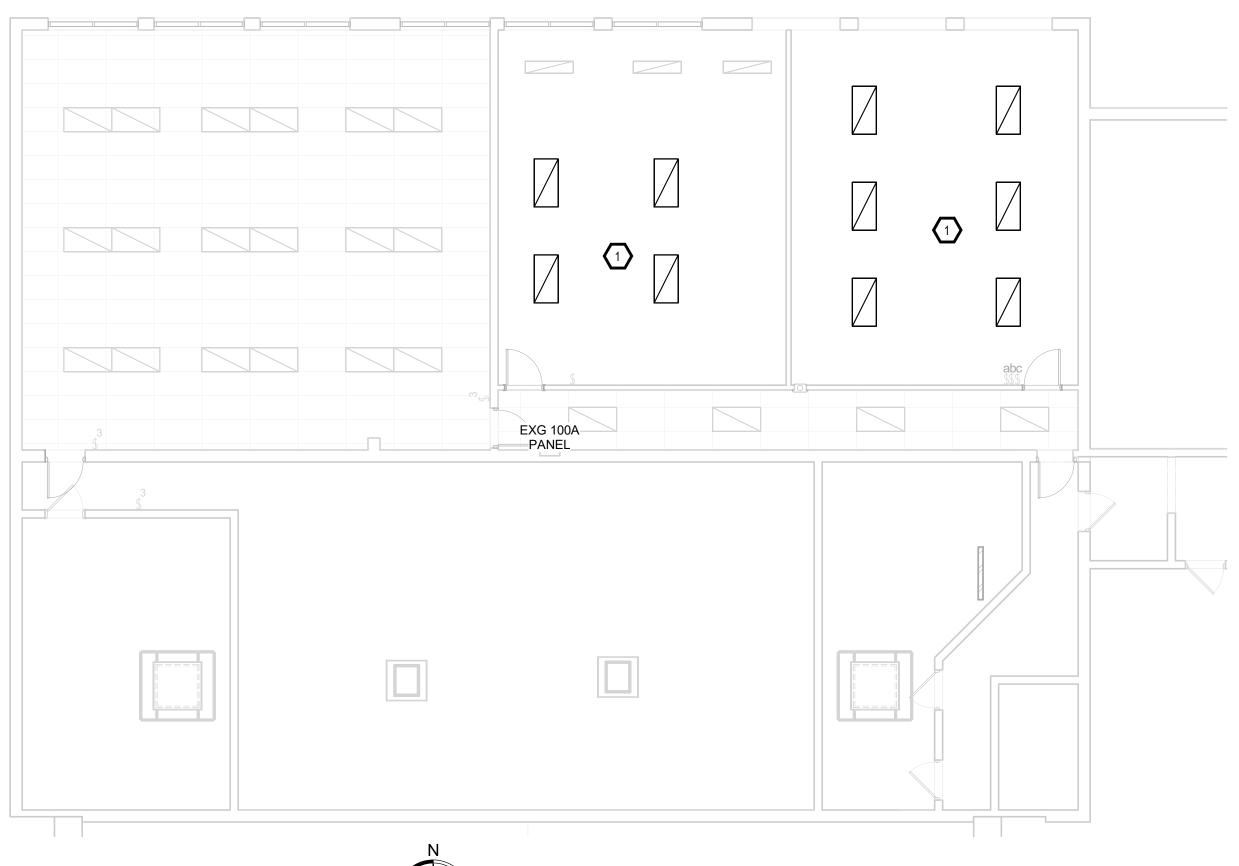
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EXG 100A PANEL

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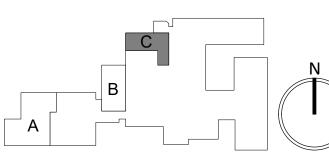


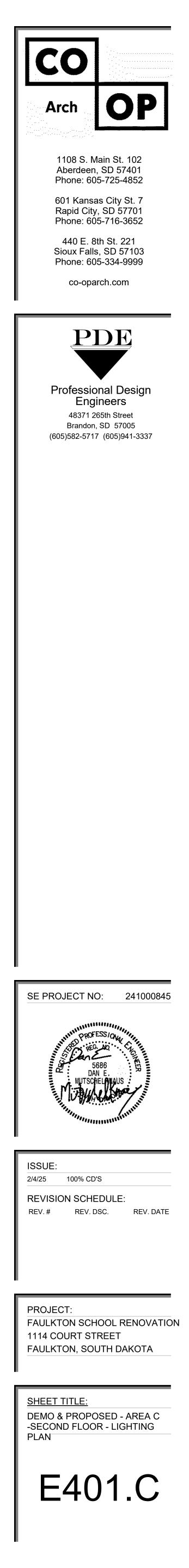






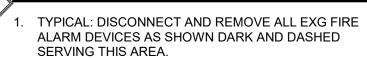
# SECOND FLOOR - AREA C - LIGHTING PLAN 1/8" = 1'-0"

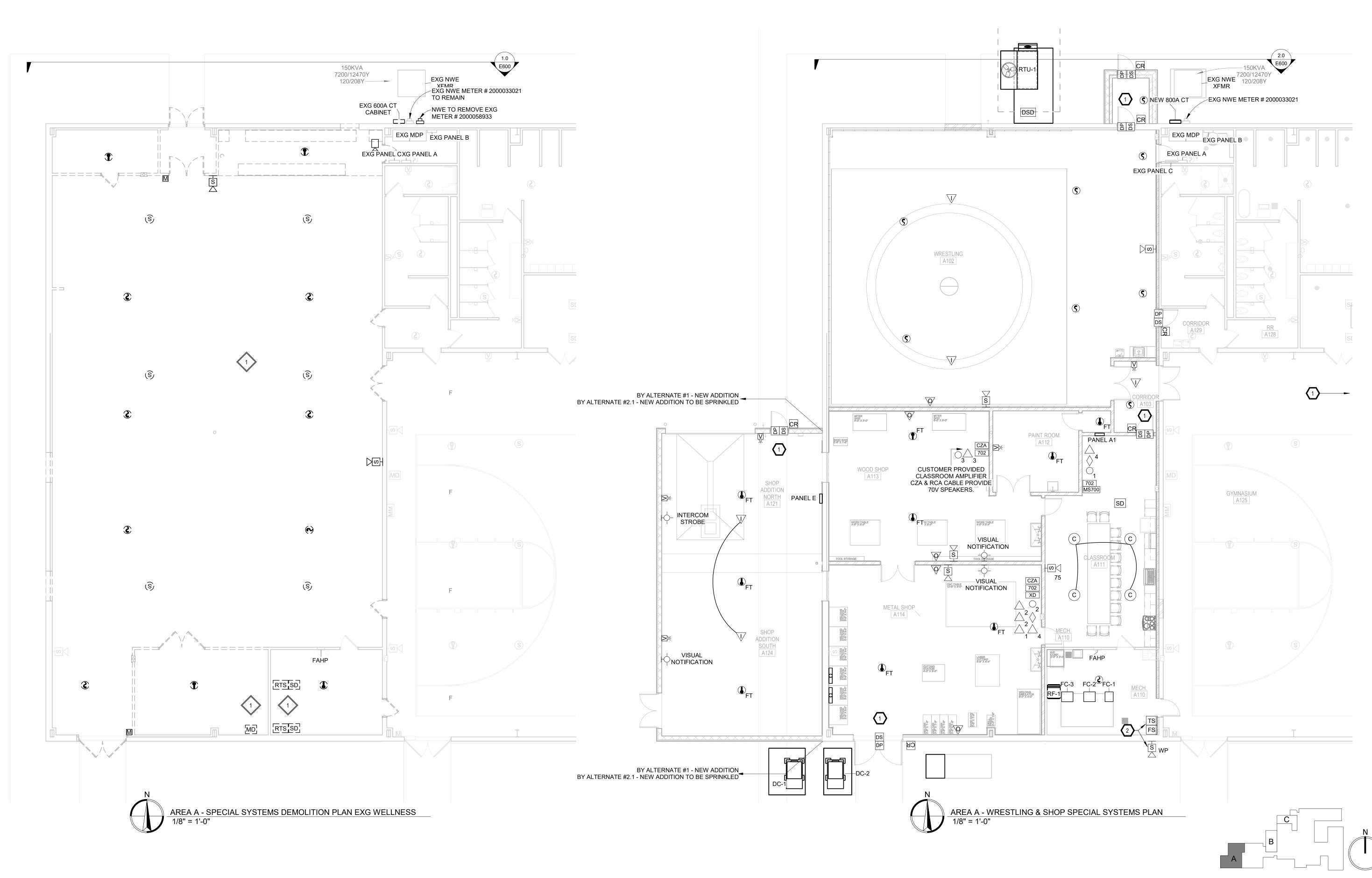




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DEMOLITION KEYNOTES:



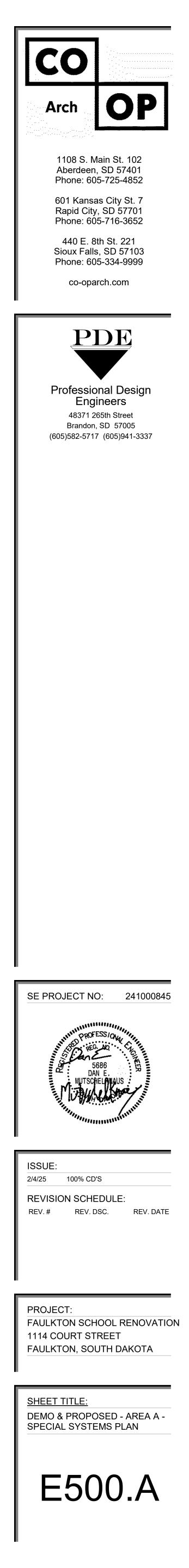


- 1. TYPICAL: PROVIDE NEW CARD ACCESS SYSTEM TO DOORS AS SHOWN TO EXG DOOR ACCESS SYSTEM IN ROOM "STORAGE B120" SEE E500.B - AREA B. COORDINATE CABLING REQUIREMENTS WITH EQUIPTMENT SUPPLIER. CONTACT (ITS) INTEGRATED TECHNOLOGY & SECURITY, HARTFORD SD, (605) 321-8827.
- 2. BY ADD ALTERNATE #2 PROVIDE & 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.

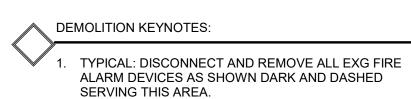
AUDIO ENHANCEMENTS KEYNOTES:

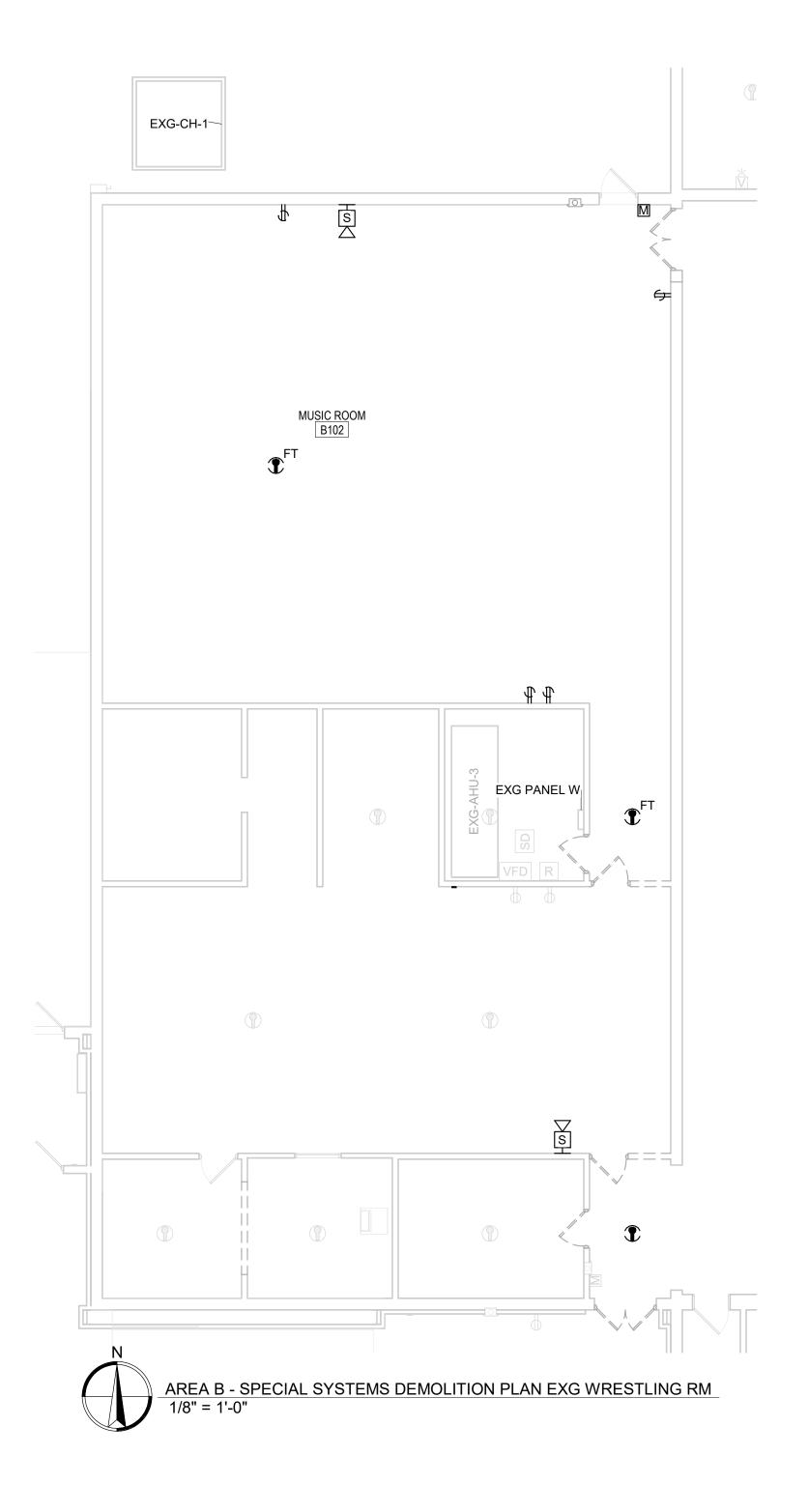
### C CLASSROOM LOUDSPEAKER 2X2 FS-21

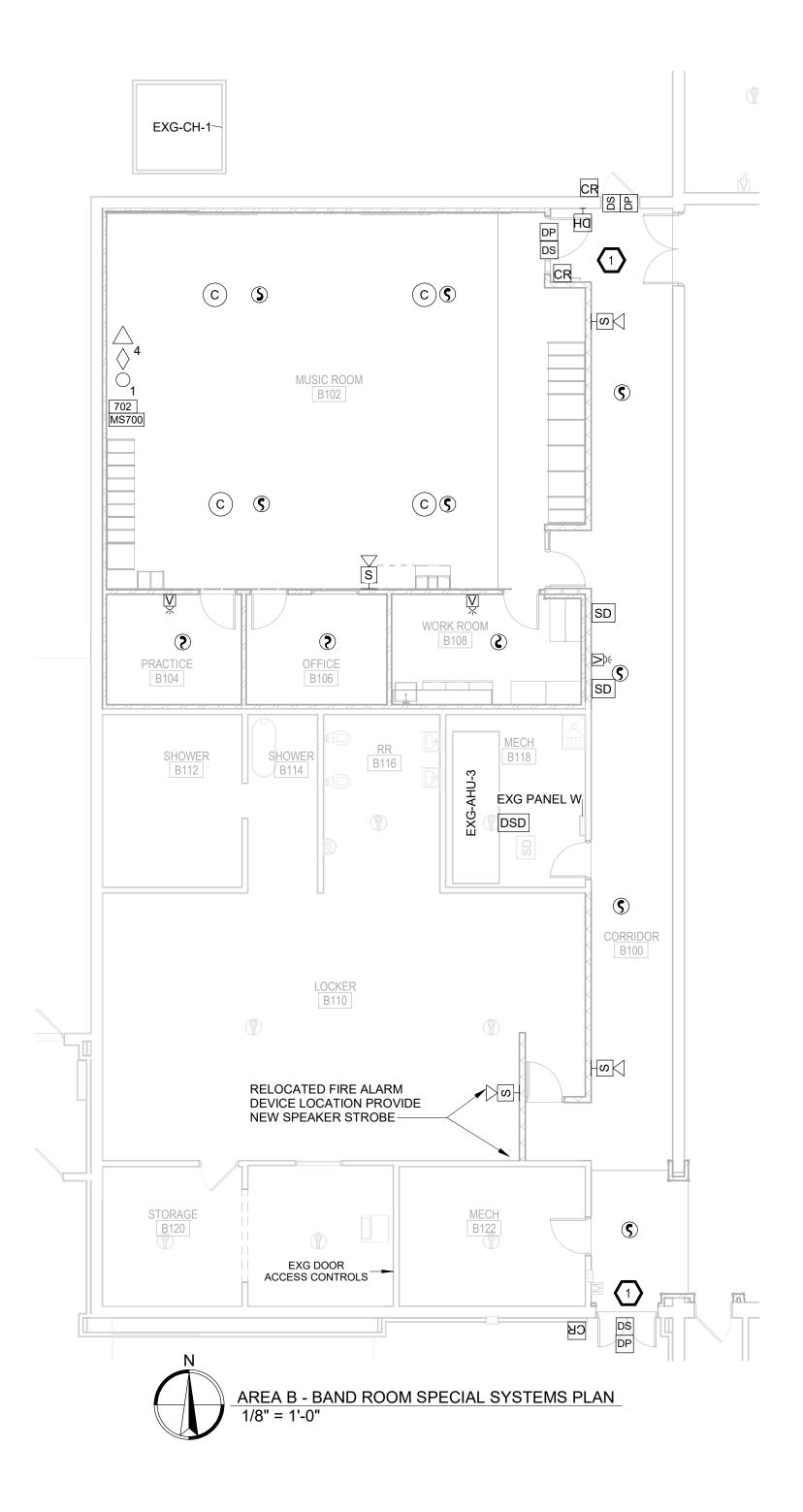
- L LAY-IN LOUDSPEAKER SP-0300
- W HORN SP-1091
- INDOOR HORN SP-1078
- > TEACHER & STUDENT MICHROPHONE BOX
- 50' CAT6 PURPLE CABLE
- 2 ARCA ADAPTER AC-2058
- $^{3}$  WIRING KITS OPTIMAL CK-4011
- 4 ▽ 50' 22/2 AC-0014
- CZA CHANNEL 300W CZA AMPLIFIER
- 702 702 WALL PLATE
- MS700 MS700
- XD XD RECEIVER
- $\bigcirc_1$  CLASSROOM COUNTER
- $\bigcirc_2$  CZA CLASSROM
- $\bigcirc_{\mathbf{a}}$  CZA CLASSROOM EXISTING AMPLIFIER



- 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
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ELECTRICAL KEYNOTES:

 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 EQUIPTMENT SUPPLIER. CONTACT (ITS) INTEGRATED TECHNOLOGY

& SECURITY, HARTFORD SD, (605) 321-8827.

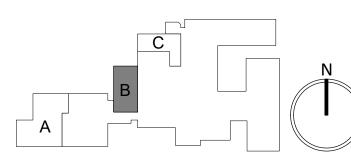
AUDIO ENHANCEMENTS KEYNOTES:

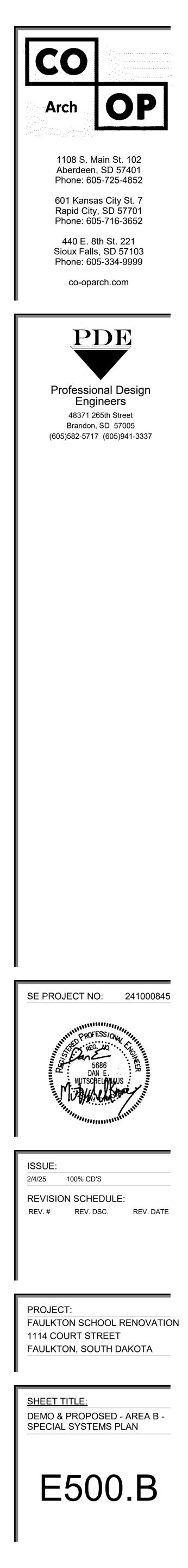
C CLASSROOM LOUDSPEAKER 2X2 FS-21

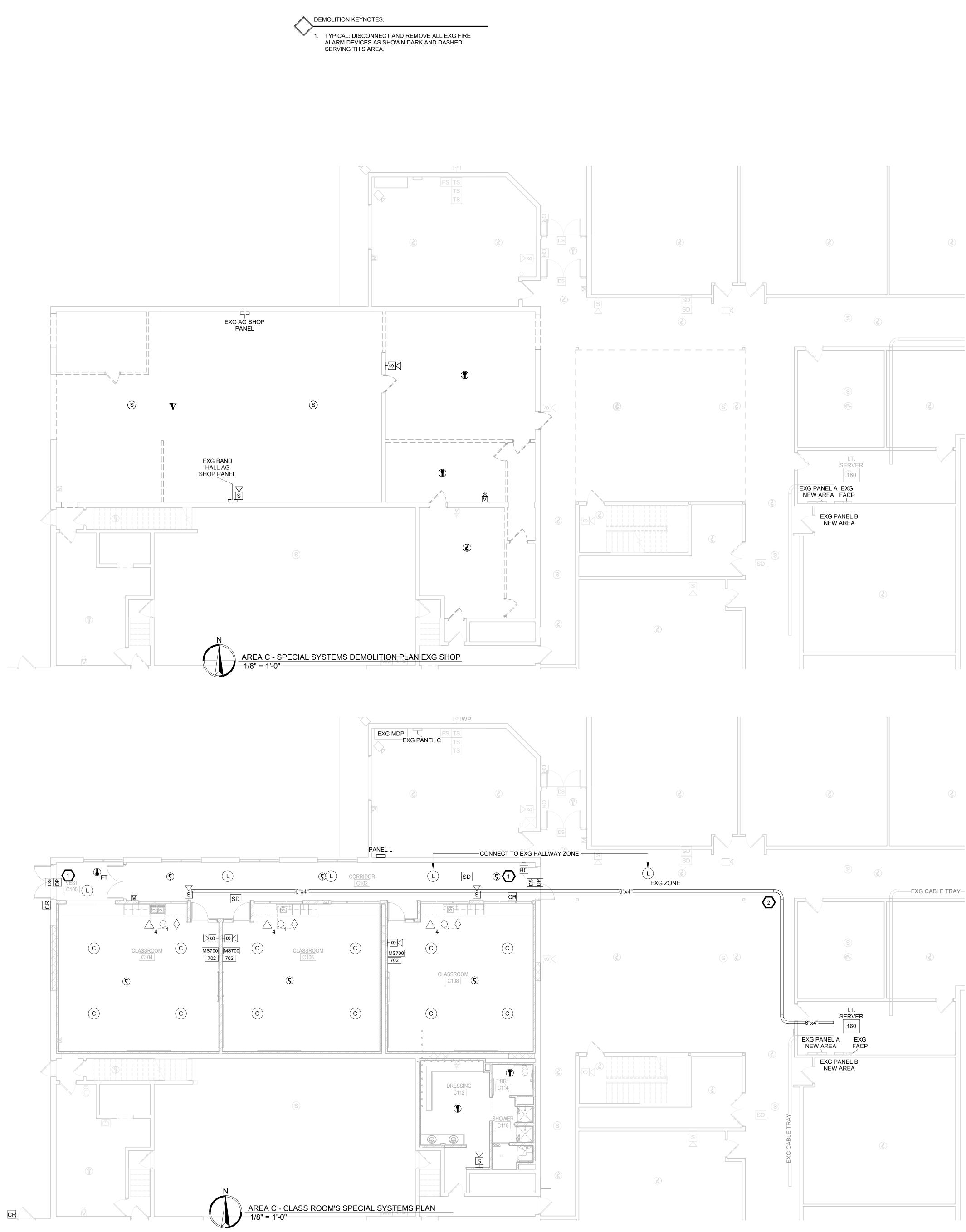
- L LAY-IN LOUDSPEAKER SP-0300
- Ø HORN SP-1091
- W INDOOR HORN SP-1078
- TEACHER & STUDENT MICHROPHONE BOX
- $\wedge$
- 50' 3.5mm CABLE
- 50' CAT6 PURPLE CABLE
- $\bigtriangleup_{3}$  RCA ADAPTER AC-2058
- ▽ 50' 22/2 AC-0014
- CZA CHANNEL 300W CZA AMPLIFIER
- 702 702 WALL PLATE

MS700 MS700

- XD XD RECEIVER
- CLASSROOM COUNTER
- $\bigcirc$  CZA CLASSROM



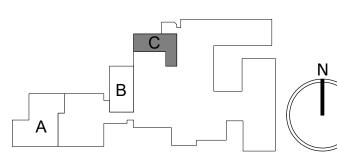


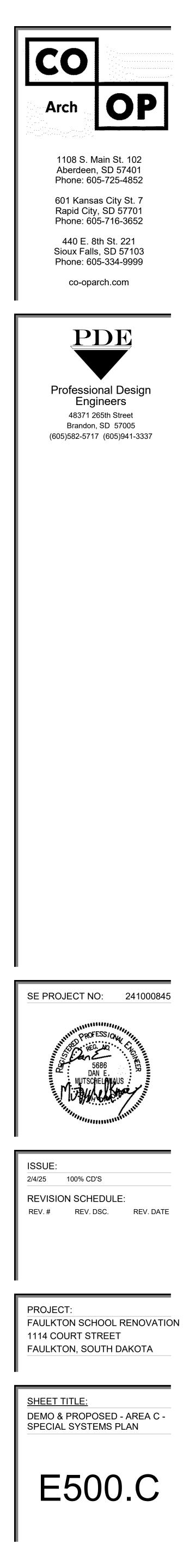


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- 0/ HORN SP-1091
- I∕ INDOOR HORN SP-1078
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- 50' CAT6 PURPLE CABLE
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- CZA CHANNEL 300W CZA AMPLIFIER
- 702 702 WALL PLATE
- MS700 MS700
- XD XD RECEIVER
- $\bigcirc_1$  CLASSROOM COUNTER

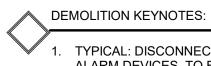
ELECTRICAL KEYNOTES:

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- 2. 201 SERIES TRAY 6.25" DEEP CM 201-425-8, OR EQUAL. PROVIDE CABLE TRAY WITH ALL APPROPRIATE FITTINGS TO MAKE T'S AND ELBOWS.

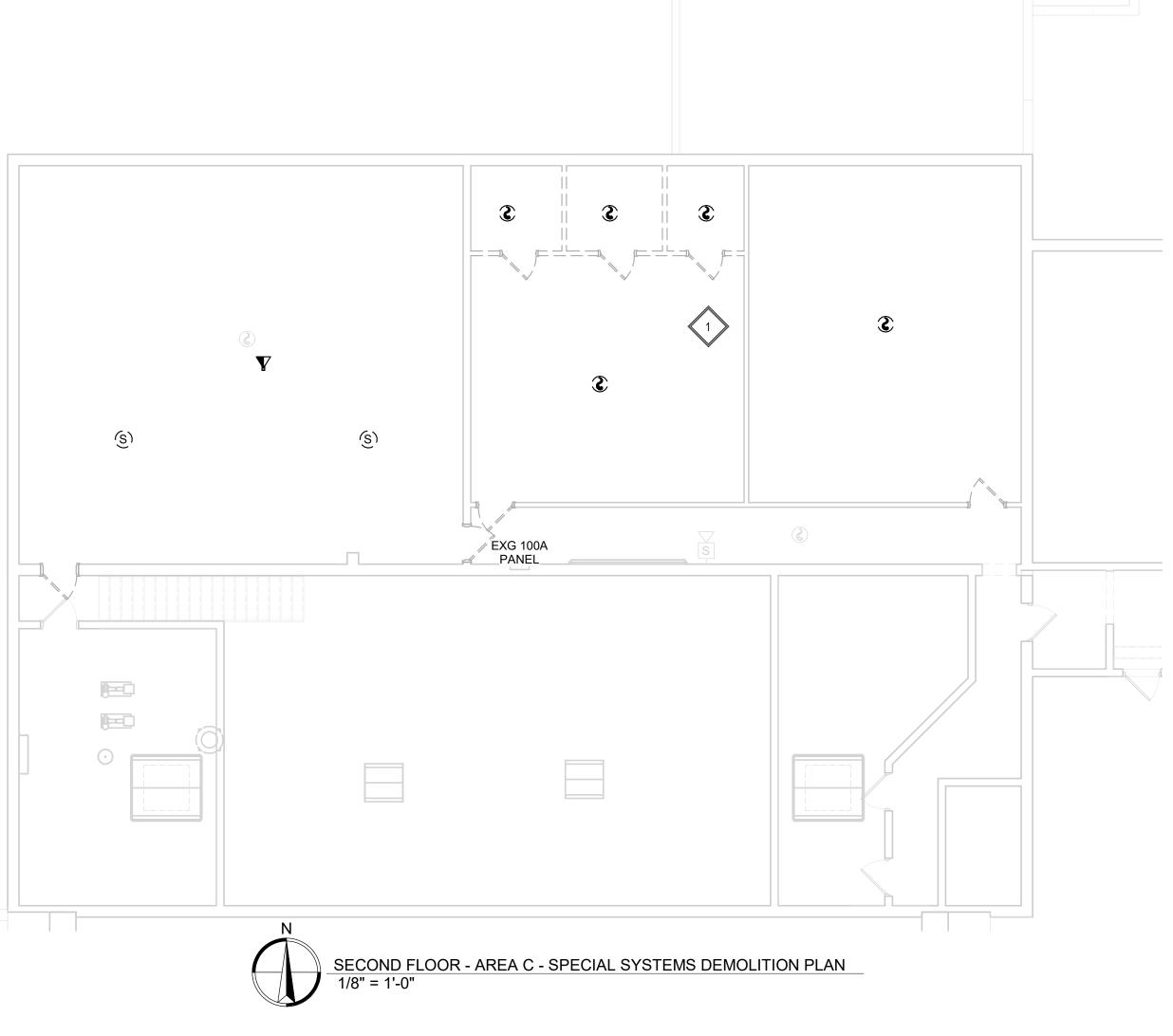


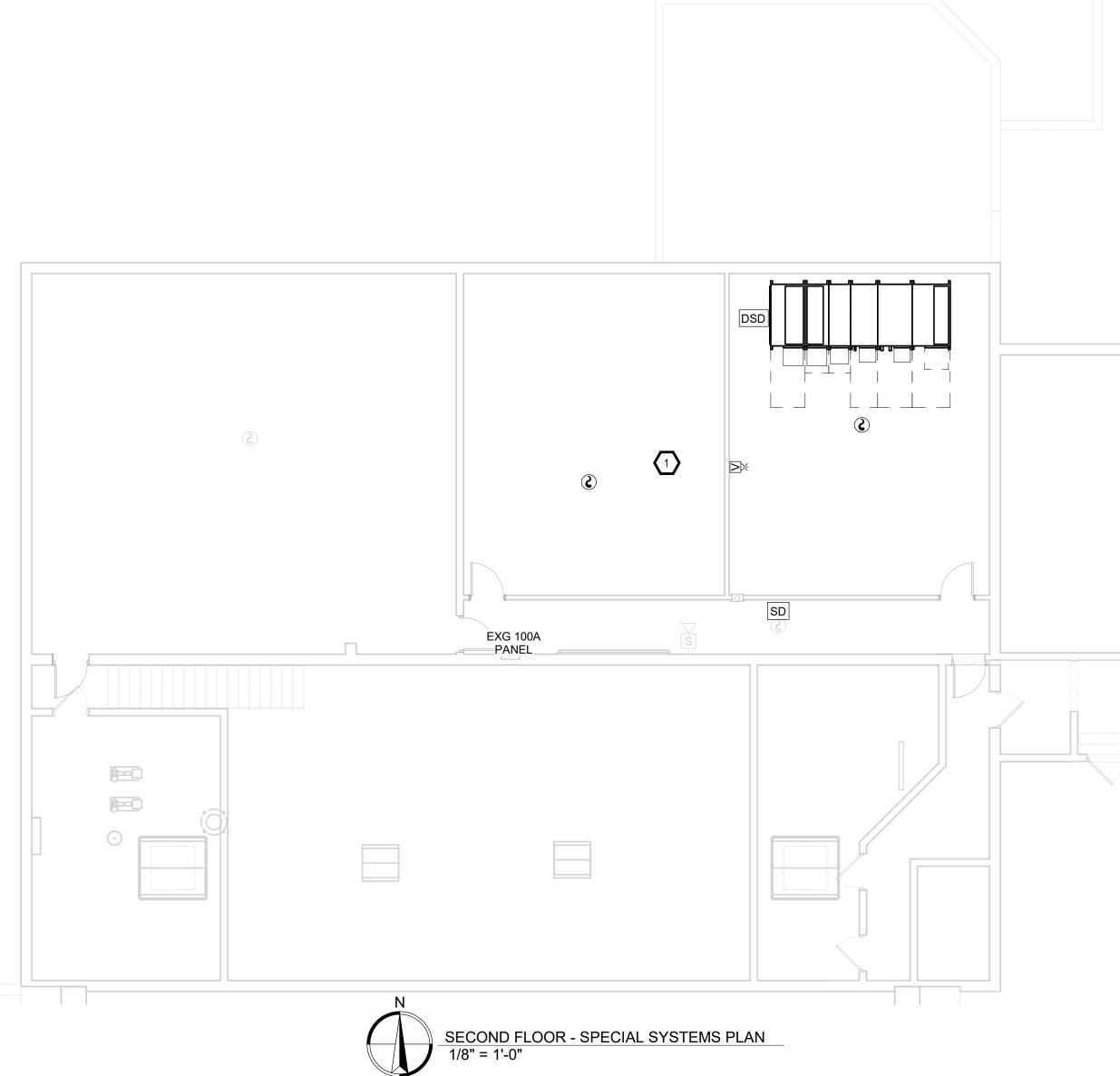


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TYPICAL: DISCONNECT, REMOVE AND SALVAGE FIRE ALARM DEVICES. TO BE REINSTALLED, SEE PROPOSED.







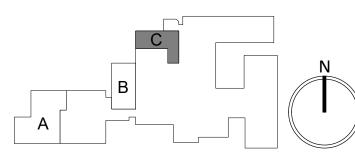
AUDIO ENHANCEMENTS KEYNOTES:

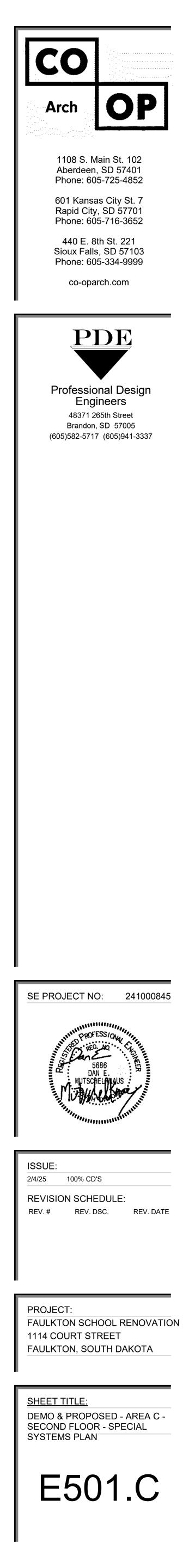
(C) CLASSROOM LOUDSPEAKER 2X2 FS-21

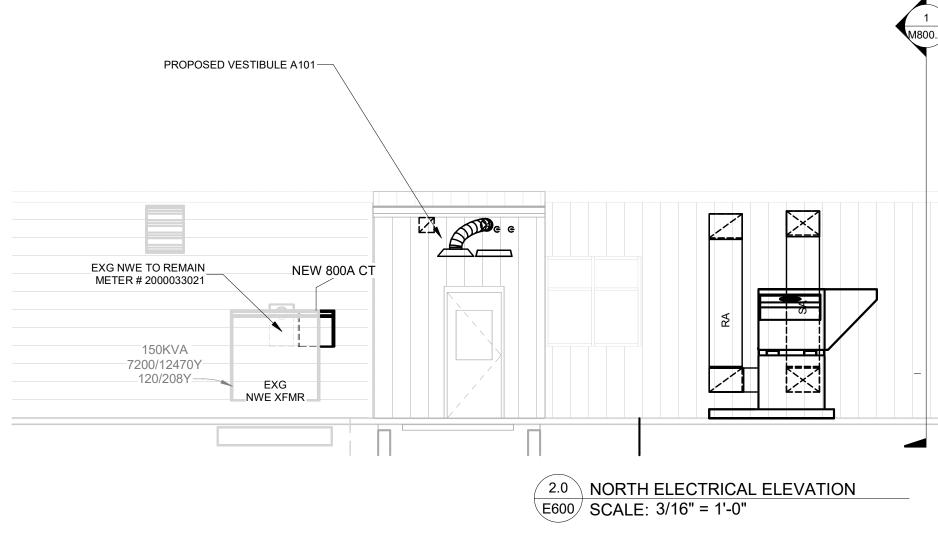
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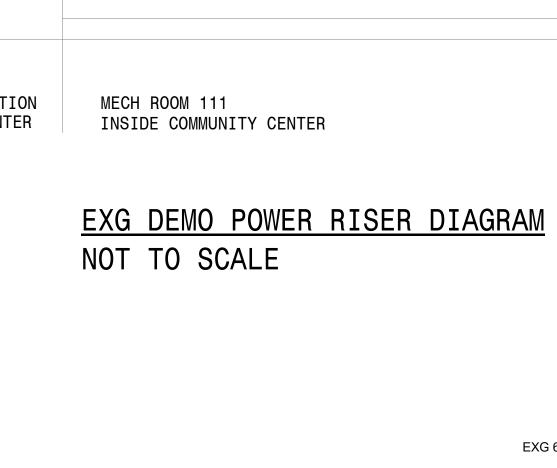
MS700 MS700

- XD XD RECEIVER
- $\bigcirc$  CLASSROOM COUNTER
- $\bigcirc_{2}$  CZA CLASSROM
- CZA CLASSROOM EXISTING AMPLIFIER





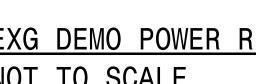


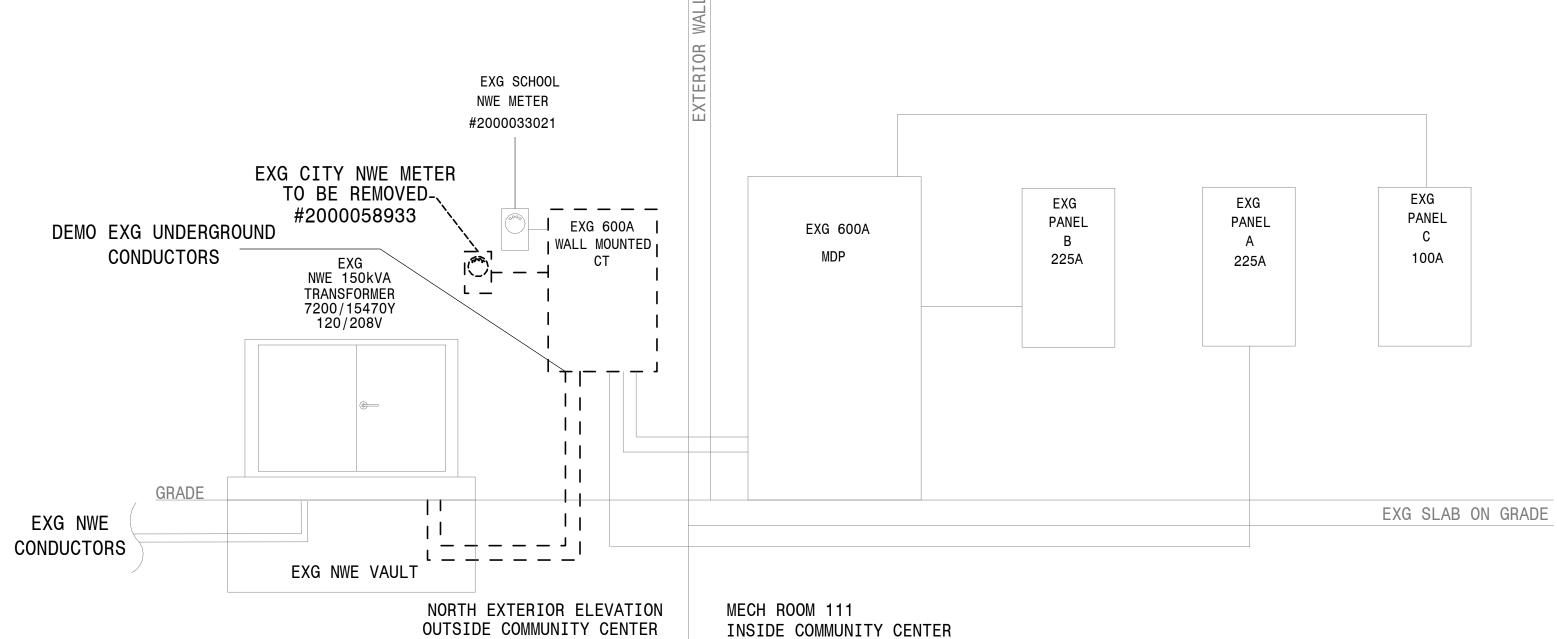


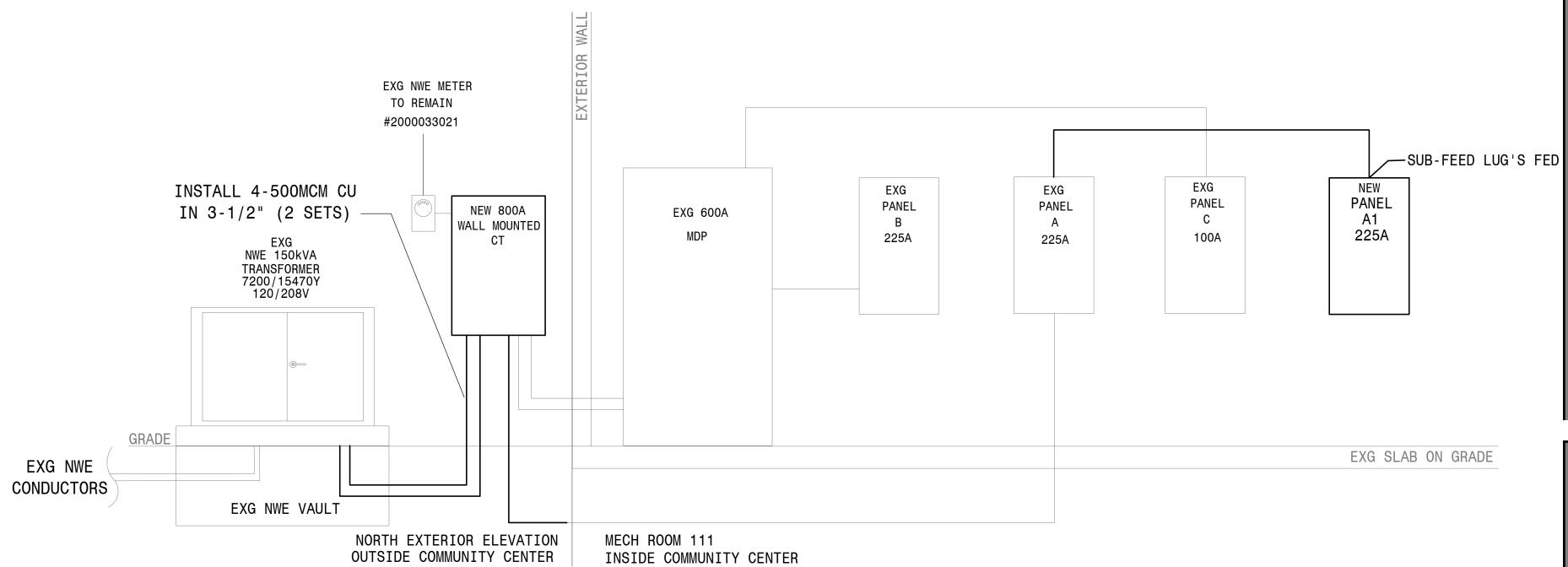
EXG NWE 150kVA TRANSFORMER 7200/15470Y—

120/208V





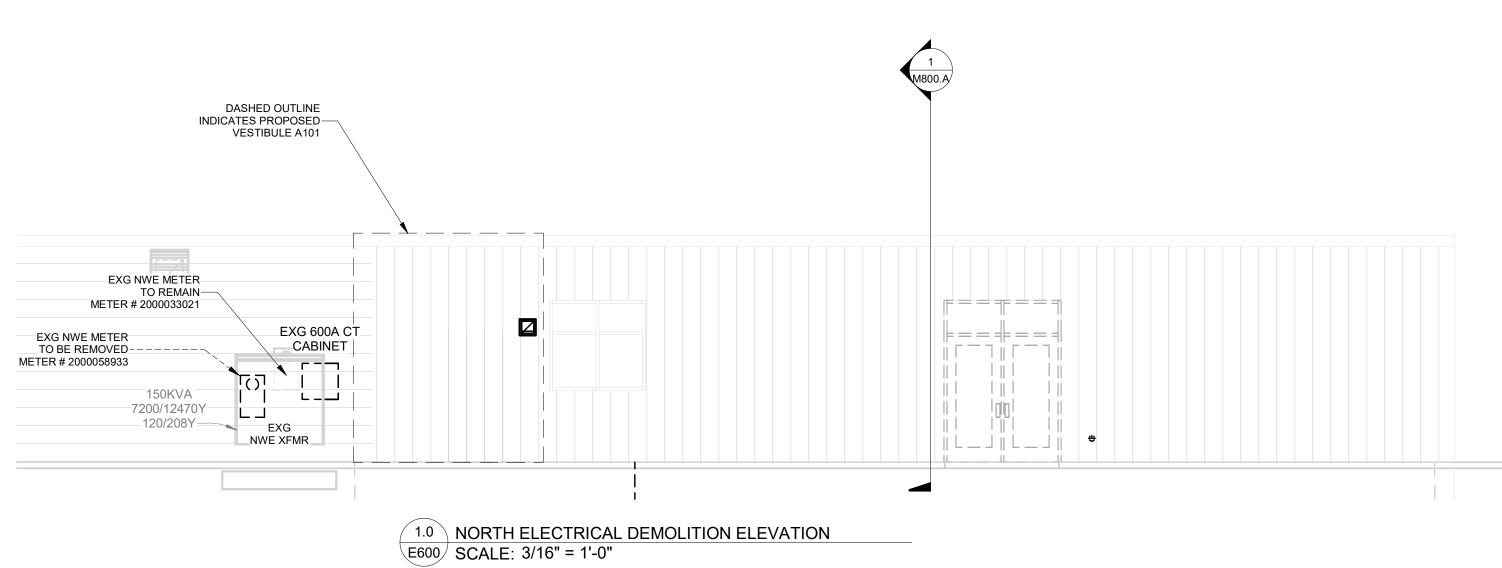








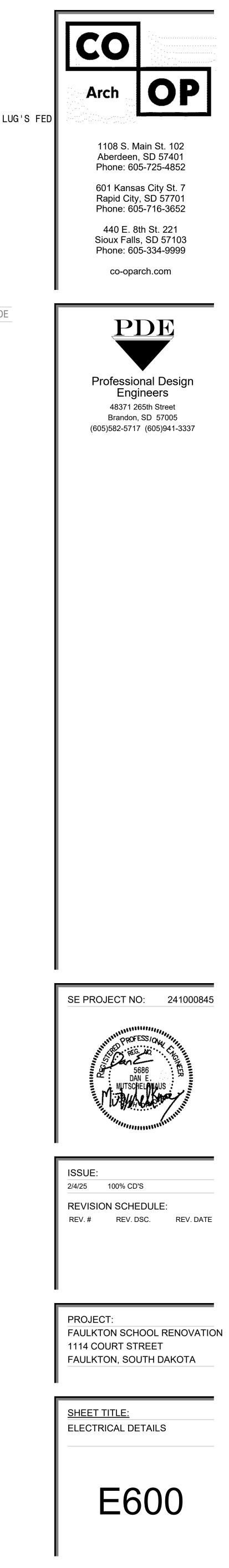
EXISTING EXTERIOR ELECTRICAL CONDITIONS NOT TO SCALE

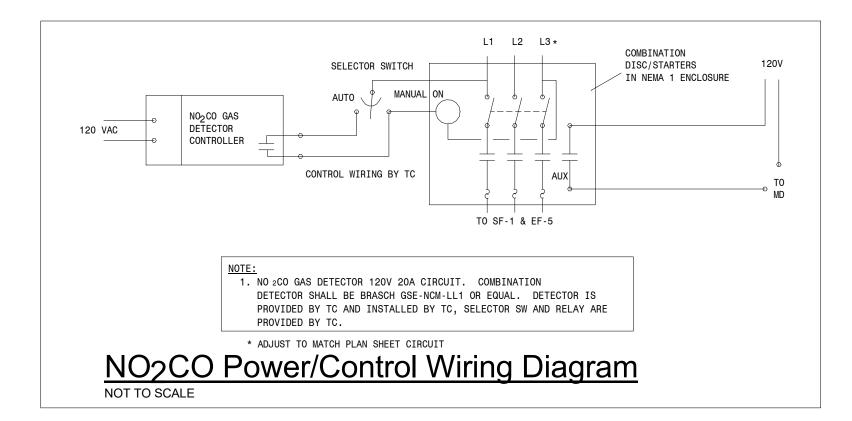


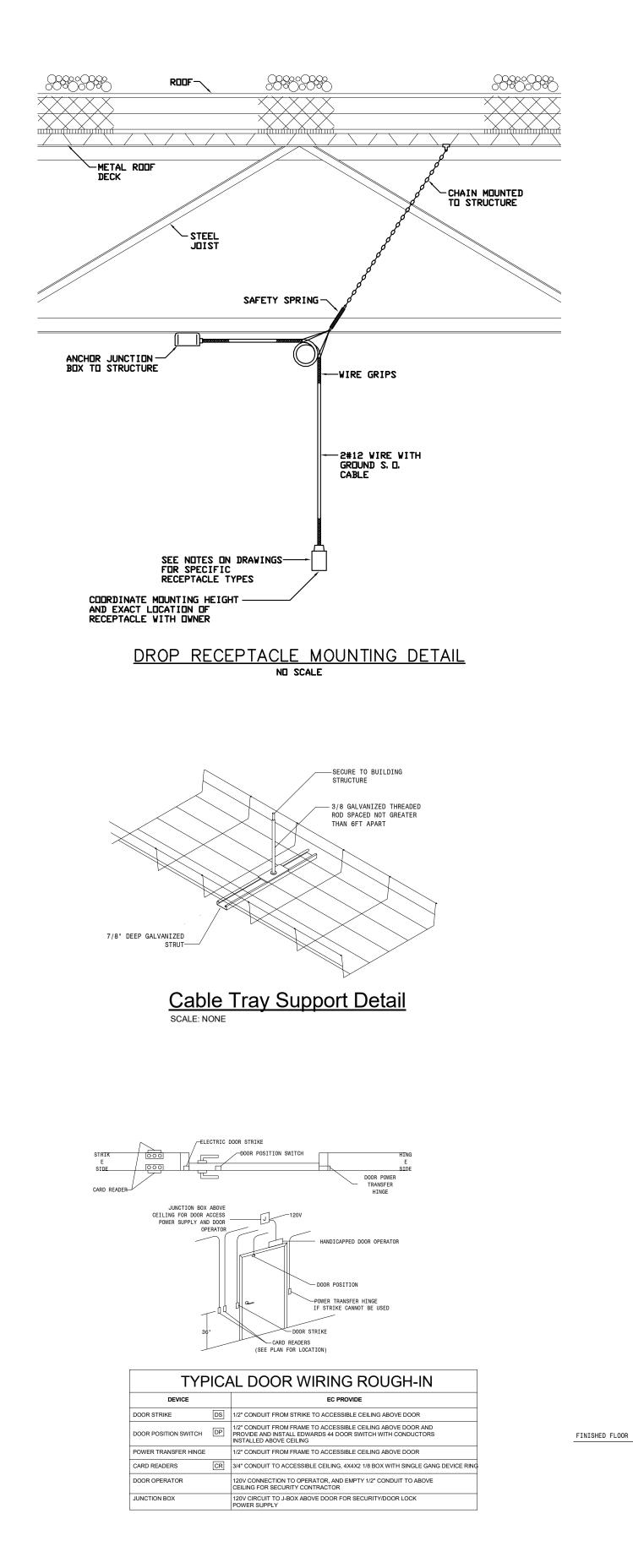


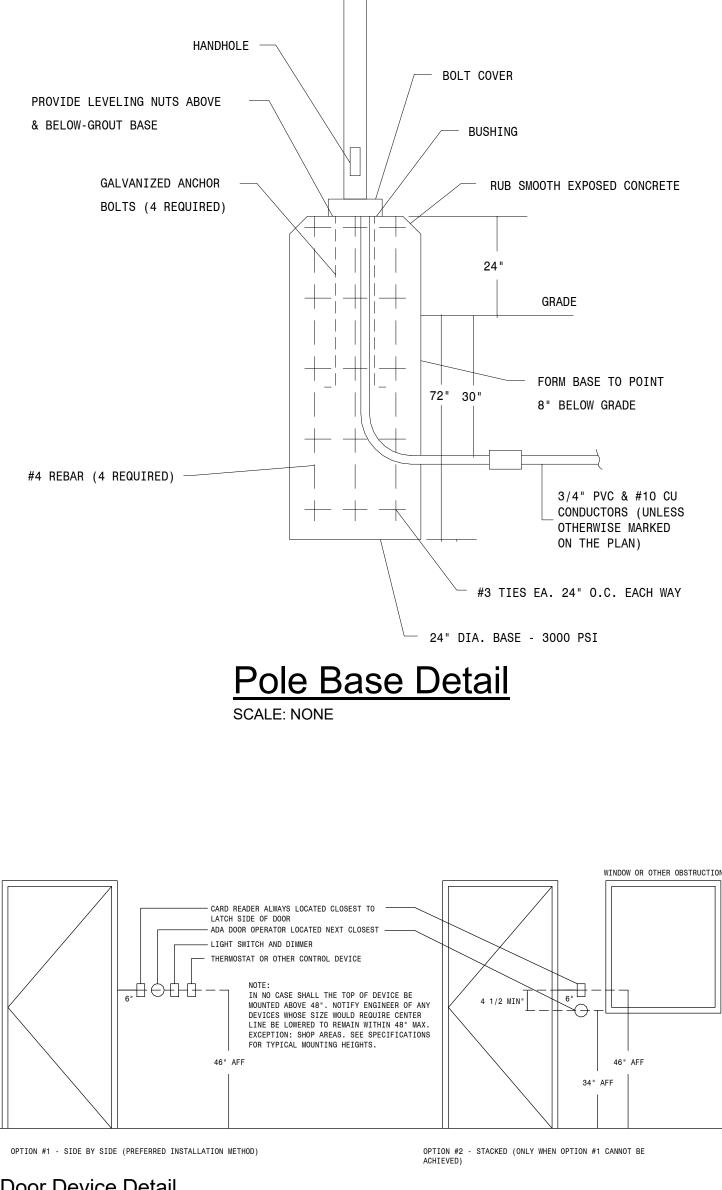
## PROPOSED POWER RISER DIAGRAM NOT TO SCALE





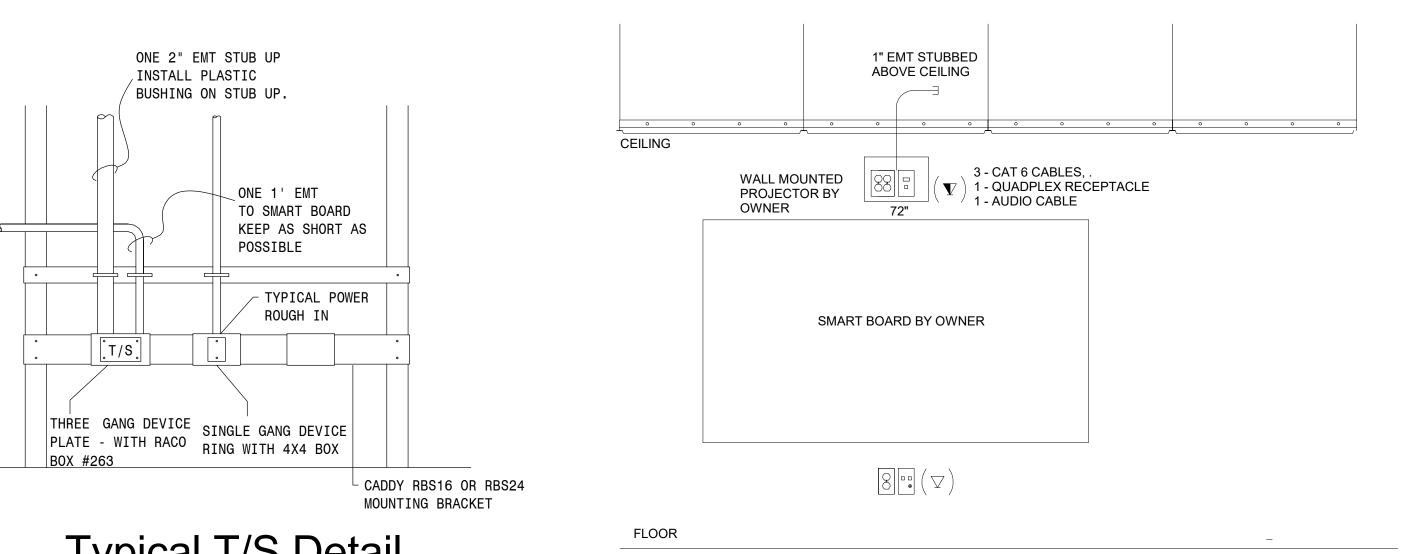






LUMINAIRE

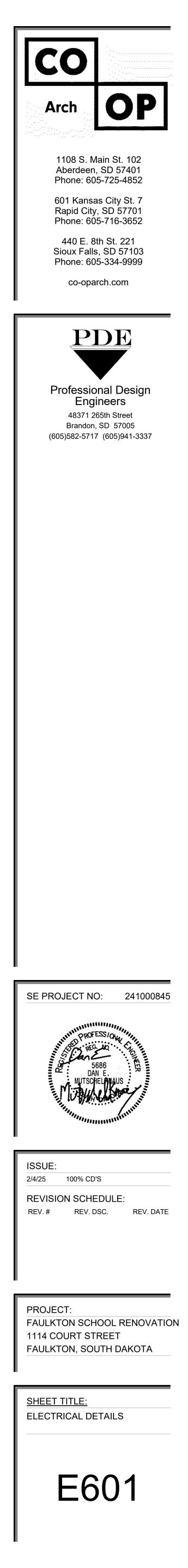
- POLE





Door Device Detail

# Typical Front of Room



		LIGHTING FIX	XTU	RE	SCH	EDU	LE	
TYPE	MANUFACTURERS	CAT. NO.	ТҮРЕ	WATTS (W)	LUMENS	COLOR TEMP. (K)	MIN. Cri	REMARKS
A	LITHONIA OR EQUAL	CPX 2X4 ALO7 80CRI SWW7 A12 MVOLT	LED	46	6175	4000	80	2X4 DROP IN PANEL W/SELECTABLE LUMENS
A1	LITHONIA OR EQUAL	CPX 2X2 ALO7 80CRI SWW7 A12 MVOLT	LED	33	4358	4000	80	2X2 DROP IN PANEL W/SELECTABLE LUMENS
В	LITHONIA OR EQUAL	CPX 2X4 ALO7 80CRI SWW7 A12 MVOLT	LED	35	4819	4000	80	2X4 DROP IN PANEL W/SELECTABLE LUMENS
B1	LITHONIA OR EQUAL	CPX 2X4 ALO7 80CRI SWW7 A12 MVOLT E10WLCP	LED	35	4819	4000	80	2X4 DROP IN PANEL W/SELECTABLE LUMENS, W/SELF-DIAGNOSTIC BATTERY PACK
С	PRESCOLITE, LITHONIA, MARCO, PORTFOLIO	LITHONIA LDN6 ALO2 SWW1 LO6 AR LSS MVOLT UGZ	LED	9	1000	4000	80	6" CAN W/SELECTABLE LUMENS, W/SELECTABLE COLOR
D2	EATON CROUSE-HINDS	DLLA2 UNV1 SS903 EM1 M2	LED	30	4000	4000	80	2' LED CLASS 1, DIV. 2 FUXTURE
D4	EATON CROUSE-HINDS	DLLA4 UNV1 SS903 EM1 M2	LED	59	8000	4000	80	4' LED CLASS 1, DIV. 2 FUXTURE
E	DUAL-LITE, SURE-LITES, MULE LIGHTING, LIGHTALARMS, OR EQUAL	LITHONIA EU2C SD	LED	-	-	-	-	WHITE EMERGENCY LIGHT WITH SELF DIAGNOSTICS
G	JLC-TECH	TBFL MN HO 22 15 D A B UNV	LED	22	1800	4000	82	DIFFUSING LENS CEILING TRACK INTEGRATED FIXTURE
L	LITHONIA OR EQUAL	CSS L48 AL03 MVOLT SWW3 80CRI	LED	35	4000	4000	80	48" LINEAR FIXTURE, SELECTABLE LUMENS, SELECTABLE COLOR
М	COOPER OR EQUAL	ISS SA1 C 740 1 SL3 BZ	LED	34	4500	4000	80	SMALL QUARTER SPHERE FIXTUR
M1	COOPER OR EQUAL	ISS SA1 C 740 1 SL3 BZ CBP	LED	34	4500	4000	80	SMALL QUARTER SPHERE FIXTURE W/COLD WEATHER BATTERY PACK
Ρ	EXTANT OR EQUAL	HTG-1P RD * L1 4 DHL MEODF 40 VU D BP	LED	38	3760	4000	80	HUNTING 1 SERIES SUSPENDED FIXTURE T-GRID SUPPORT
P1	EXTANT OR EQUAL	HTG-1P TD DT 4 DHL 40 MEODF VU D BP AC 72 BK	LED	38	3760	4000	90	HUNTING 1 SERIES SUSPENDED FIXTURE AIR CRAFT CABLE SUSPENDED
V2	CURRENT OR EQUAL	67L W D 2 DM C1 40K D100 1C UNV	LED	35	2000	4000	80	LED WALL DIRECT LIGHT
Х	DUAL-LITE, SURE-LITES, MULE LIGHTING, LITHONIA, LIGHTALARMS	MULE SQCR LED U R WW SD	LED	5	-	-		WALL MOUNT EXIT SIGN WITH SELF DIAGONSTICS

	OCCUPANC	Y SENSOR	SWITCH SCHEDULE
ТҮРЕ	MANUFACTURERS	CAT. NO.	REMARKS
s <sup>0</sup>	WATT STOPPER OR EQUAL	DSW-302	DUAL TECHNOLOGY PIR/ULTRASONIC WALL SWITCH SENSOR OCCUPANCY SENSOR. SET FOR AUTOMATIC 'ON' OPERATION.
0S1	WATT STOPPER OR EQUAL	DT-355	LINE VOLTAGE, DUAL TECHNOLOGY CEILING SENSOR, 18' RADIUS

Location: CORRIDOR 352 Mounting: Surface					Volts: 120/208 Wye Phases: 3 Wires: 4							A.I.C. Rating: Mains Type: MCB Rating: 200 A				
<b>СКТ</b> 1	LOAD	CKT BRK	POLE S	Α		В		С		POLE S	CKT BRK	LOAD	скт			
		20 A	1	180 VA	720 VA					1	20 A	Receptacle	2			
3	Receptacle	20 A	1			720 VA	720 VA			1	20 A	Receptacle	4			
5	Receptacle	20 A	1					720 VA	720 VA	1	20 A	Receptacle	6			
7	Receptacle	20 A	1	720 VA	720 VA					1	20 A	Receptacle	8			
9	Receptacle	20 A	1			720 VA	0 VA			1	20 A	Other Space 132	10			
11	Receptacle	20 A	1					720 VA	1536 VA	1	20 A	Lighting - Dwelling Unit Space 133	12			
13	Other Space 124	20 A	1	1728 VA									14			
15	Lighting - Dwelling Unit Space 141	20 A	1			868 VA							16			
17	Receptacle Space 138	20 A	1					540 VA					18			
19	Receptacle	20 A	1	1260 VA									20			
21	Receptacle	20 A	1			540 VA							22			
23	Receptacle	20 A	1					1260 VA					24			
25	Receptacle	20 A	1	720 VA									26			
27	Receptacle	20 A	1			540 VA							28			
29	Receptacle Space 140	20 A	1					180 VA					30			
31	Room C110E, 355	20 A	1	852 VA									32			
33													34			
35													36			
37													38			
39													40			
41													42			

$\begin{array}{c c c c c c c c c c c c c c c c c c c $	LOAD	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		СКТ
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	EXG OUTSIDE LIGHTS	2
7       EXG EXERCISE ROOM OUTLETS       20 A       2       0 VA       720 VA       output       output <thoutput< th="">       output       output<td></td><td>4</td></thoutput<>		4
7660 VA720 VA666120 AS. WRESTLING R9Other Space 15120 A1160 VA0 VA120 A120 A11Lighting METAL SHOP A11420 A10 VA0 VA0 VA0 VA0 VA120 APower13Lighting WOOD SHOP A11320 A10 VA0 VA0 VA0 VA0 VA20 A10 VA0 VA </td <td>ROOM RECEPTACLES</td> <td>6</td>	ROOM RECEPTACLES	6
11       Lighting METAL SHOP A114       20 A       1       Image: Constraint of the system of the syste	ROOM RECEPTACLES	8
13       Lighting WOOD SHOP A113       20 A       1       0 VA       0 VA       •       •       •       •       2       20 A       0ther MECH. A110         15       Space 109       20 A       1       •		10
15         Space 109         20 A         1         74 VA         0 VA         2         20 A         Other MECH. A110		12
15 Space 109 20 A 1 74 VA 0 VA	٥	14
	0	16
17 Other MECH. A110 20 A 2 2 0 W 0 VA 1 20 A Other MECH. A110	0	18
19 Other MECH. ATTO		20
21 Other MECH. A110 20 A 2 0 VA 0 VA		22
23 Other MECH. ATTO		24

	Location: CORRIDOR Mounting: Surface	A131				Volts: Phases: Wires:		Vye				A.I.C. Rating: Mains Type: MCB Rating: 225 A	
скт	LOAD	CKT BRK	POLE S		4	I	В		С	POLE S	CKT BRK	LOAD	СКТ
1	EXG NEW GYM STORAGE WEIGHT ROO	20 A	1	0 VA	0 VA					1	20 A	EXG GYM LOBBY AIR HANDLER	2
3	EXG NEW GYM STORAGE WEIGHT ROO	20 A	1			0 VA	0 VA			1	20 A	EXG GYM LOBBY AIR HANDLER	4
5	AHU-2 GYM	20 A	1					0 VA	0 VA	1	20 A	EXG ICE MACHINE	6
7	AHU-2 GYM	20 A	1	0 VA	0 VA					1	20 A	EXG ICE MACHINE	8
9	AHU-2 GYM	20 A	1			0 VA	0 VA			1	20 A	EXG ICE MACHINE	10
11	011.0		0					0 VA					12
13		50 A	2	0 VA									14
15	011.0	50 A	0			0 VA							16
17		50 A	2					0 VA					18
19		20 A	0	0 VA									20
21	-00-1	20 A	2			0 VA							22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41									0 VA	1	20 A	TEMPERATURE CONTROL POWER	42

Location: CLASSROOM A111 Mounting: Recessed						Volts: Phases: Wires:		Vye		A.I.C. Rating: Mains Type: MCB Rating: 200 A				
скт	LOAD	CKT BRK	POLE S		<b>A</b>	E	3		C	POLE S	CKT BRK	LOAD	скт	
1	Power Space 131	50 A	2	12000	540 VA					1	20 A	Receptacle	2	
3	- Power Space 131	50 A	2			0 VA	360 VA			1	20 A	Receptacle	4	
5	Power Space 131	50 A	2					12000	180 VA	1	20 A	Receptacle	6	
7	Power Space 131	50 A	2	0 VA	360 VA					1	20 A	Receptacle	8	
9	Power Space 131	50 A	2			12000 VA	540 VA			1	20 A	Power Space 150	10	
11	Tower Space 131	50 A	2					0 VA	0 VA	1	20 A	Other CLASSROOM A111	12	
13 15	Power Space 131	50 A	2	12000	0 VA	0 VA	0 VA			2	20 A	Power Space 150	14 16	
17	Dower Space 121	50.0	2					12000	180 VA	1	20 A	Receptacle Space 142	18	
19	Power Space 131	50 A	2	0 VA	360 VA					1	20 A	Receptacle Space 142	20	
21	Power Space 131	50 A	2			12000 VA	360 VA			1	20 A	Receptacle Space 142	22	
23	- Power Space 131	50 A	2					0 VA	1080 VA	1	20 A	Receptacle	24	
25	Power Space 131	50 A	2	12000	0 VA					1	20 A	Other CLASSROOM A111	26	
27	- Fower Space 151	50 A	2			0 VA	180 VA			1	20 A	Power METAL SHOP A114	28	
29	Power Space 131	50 A	2					12000	180 VA	1	20 A	Power METAL SHOP A114	30	
31	Power Space 131	50 A	2	0 VA	437 VA					1	20 A	Lighting Space 109	32	
33	Receptacle Space 131	20 A	1			360 VA	0 VA			1	20 A	Other WOOD SHOP A113	34	
35	Receptacle Space 131	20 A	1					360 VA	180 VA	1	20 A	Receptacle MECH. A110	36	
37	Receptacle Space 131	20 A	1	360 VA	360 VA					1	20 A	Receptacle WOOD SHOP A113	38	
39	Power Space 131	20 A	1			180 VA	0 VA			2	50 A	*Range	40	
41	Dower Space 150	20.4						0 VA	0 VA		50 A	Range	42	
43	Power Space 150	30 A	2	0 VA	0 VA								44	
45	Power METAL SHOP A114	20 A	1			180 VA	0 VA			3	30 A	Other	46	
47	Receptacle	20 A	1					180 VA	0 VA				48	
49	Receptacle	20 A	1	360 VA	0 VA					1	20 A	Other	50	
51	Other	20 A	1			180 VA							52	
53	Other	20 A	1					180 VA					54	
55 57	Power Space 131	20 A	2	3120 VA		0 VA	0 VA			1	20 A	Other	56 58	
59	Receptacle	20 A	1					540 VA					60	

