



Portales Brown Early Childhood Center, Project #S20-008, PSFSA FUNDING

NOTE: IMAGES SHOWN ARE CONCEPTUAL AND MAY NOT ACCURATELY DEPICT THE REQUIREMENTS OF THESE PLANS.

**APPROVED MECHANICAL**  
**TAMARA KUYKENDALL**  
Exceptions As Noted  
Checking is only for general conformance with the design concept of the plans and general compliance with the information given in the contract documents. Any omissions or corrections are subject to the requirements of the plans and specifications. Contractor is responsible for dimensions, materials and workmanship and compliance with the applicable codes and regulations. All work shall conform with the Uniform Mechanical Code and Plumbing Codes, any other applicable codes and the requirements of the Mechanical and Plumbing codes.  
02/28/2020 9:47:29 AM

**ELECTRICAL APPROVED - Kelly Larsen**  
Exceptions As Noted  
Checking is only for general conformance with the design concept of the plans and general compliance with the information given in the contract documents. Any omissions or corrections are subject to the requirements of the plans and specifications. Contractor is responsible for dimensions, materials and workmanship and compliance with the applicable codes and regulations. All work shall conform with the Uniform Electrical Code and the State of New Mexico Electrical Code.  
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STATE OF NEW MEXICO  
CONSTRUCTION INDUSTRIES  
DIVISION  
NO EXCEPTIONS TAKEN  
EXCEPTIONS AS NOTED  
ALL NEW WORK APPROVED THIS DATE DOES NOT INCLUDE PERMITS ALL CONTRACTORS SHALL OBTAIN NECESSARY PERMITS FROM THE CITY OF PORTALES  
ALL ELECTRICAL, MECHANICAL, AND PLUMBING CODES MUST BE COMPLIED WITH  
INTERNATIONAL BUILDING CODES REQUIRED  
INTERNATIONAL MECHANICAL AND PLUMBING CODES REQUIRED  
INTERNATIONAL ELECTRICAL CODE REQUIRED  
ALL INSPECTIONS AND SPECIFICATIONS SHALL BE IN CONFORMANCE WITH THE APPLICABLE CODES AND REGULATIONS AND SHALL BE AT THE JOB SITE AT ALL TIMES DURING CONSTRUCTION  
ALL INSPECTIONS AND SPECIFICATIONS SHALL BE IN CONFORMANCE WITH THE APPLICABLE CODES AND REGULATIONS AND SHALL BE AT THE JOB SITE AT ALL TIMES DURING CONSTRUCTION  
IF NO INSPECTIONS ARE PERFORMED WITHIN THE TIME FRAME OF THE CONTRACT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE WORK TO BE REVIEWED AT THE PRICE

**BID LOTS**

- BASE BID - RENOVATE NINE PRE-K CLASSROOMS - (PSFA PROJECT #K-18-011)
- BID LOT #1 - SYSTEMS PROJECT - (PSFA PROJECT #S-20-008)
- BID LOT #2 - EXTERIOR DOORS REPLACEMENT - (PSFA PROJECT #S-20-008)
- BID LOT #3 - REPAVE PARKING LOT, SITE LIGHTING, SITE DRAINAGE, WALKWAYS - (PSFA PROJECT #S-20-008)
- BID LOT #4 - ITEMS OUTSIDE PROPERTY LINE (ABOVE ADEQUACY)

NOTE: REFERENCE SPECIFICATION SECTION 01 2310 FOR DETAILED DESCRIPTION OF SCOPE RELATED TO ALL BID LOTS

# Brown Early Childhood Center Old Wing Renovation

PROJECT TEAM

**OWNER**  
PORTALES MUNICIPAL SCHOOLS  
501 SOUTH ABILENE  
PORTALES, NM 88130  
TEL: 575.356.7000

**ARCHITECT**  
FORMATIVE ARCHITECTURE  
209 GOLD AVENUE SW  
ALBUQUERQUE, NM 87102  
TEL: 505.510.4600

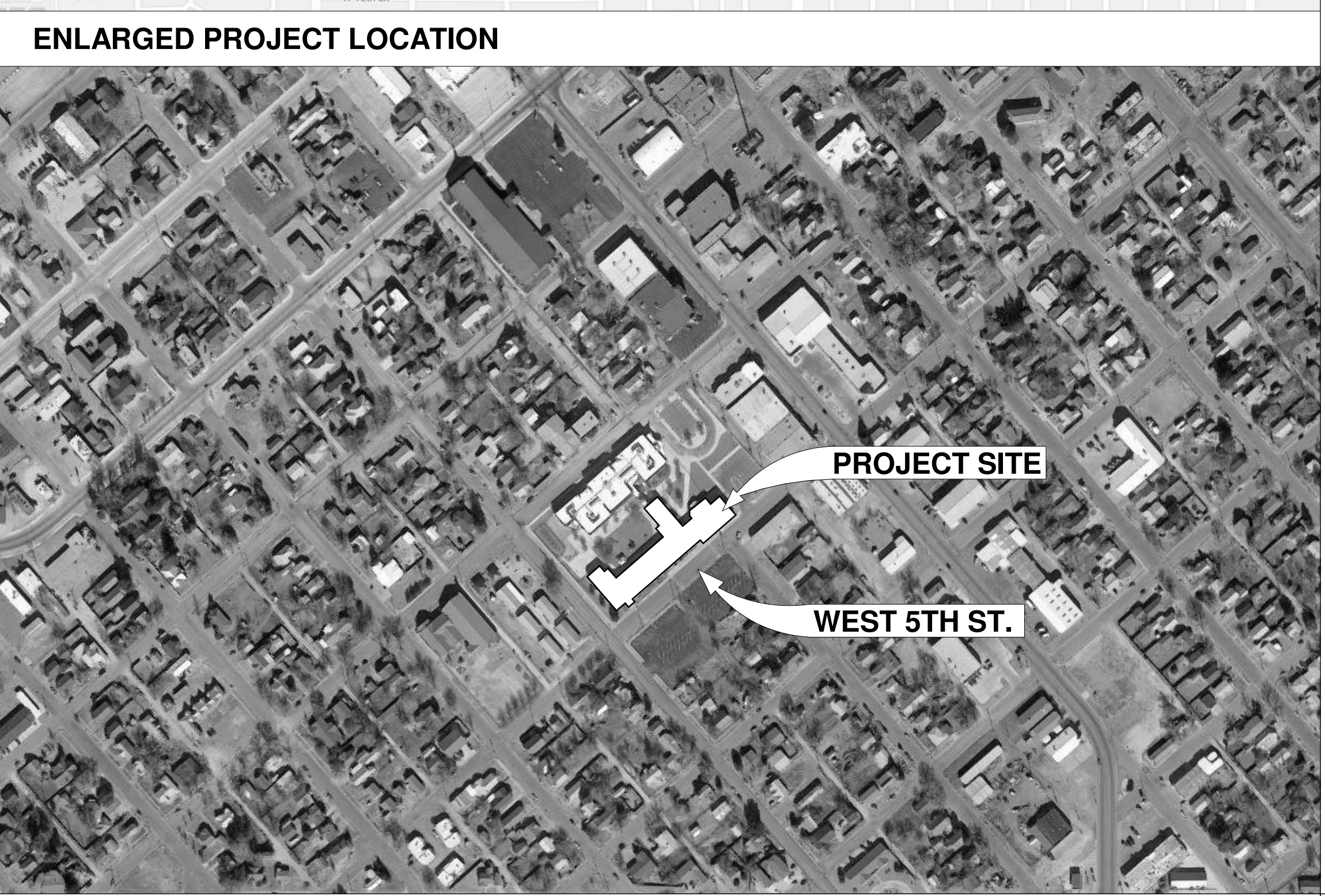
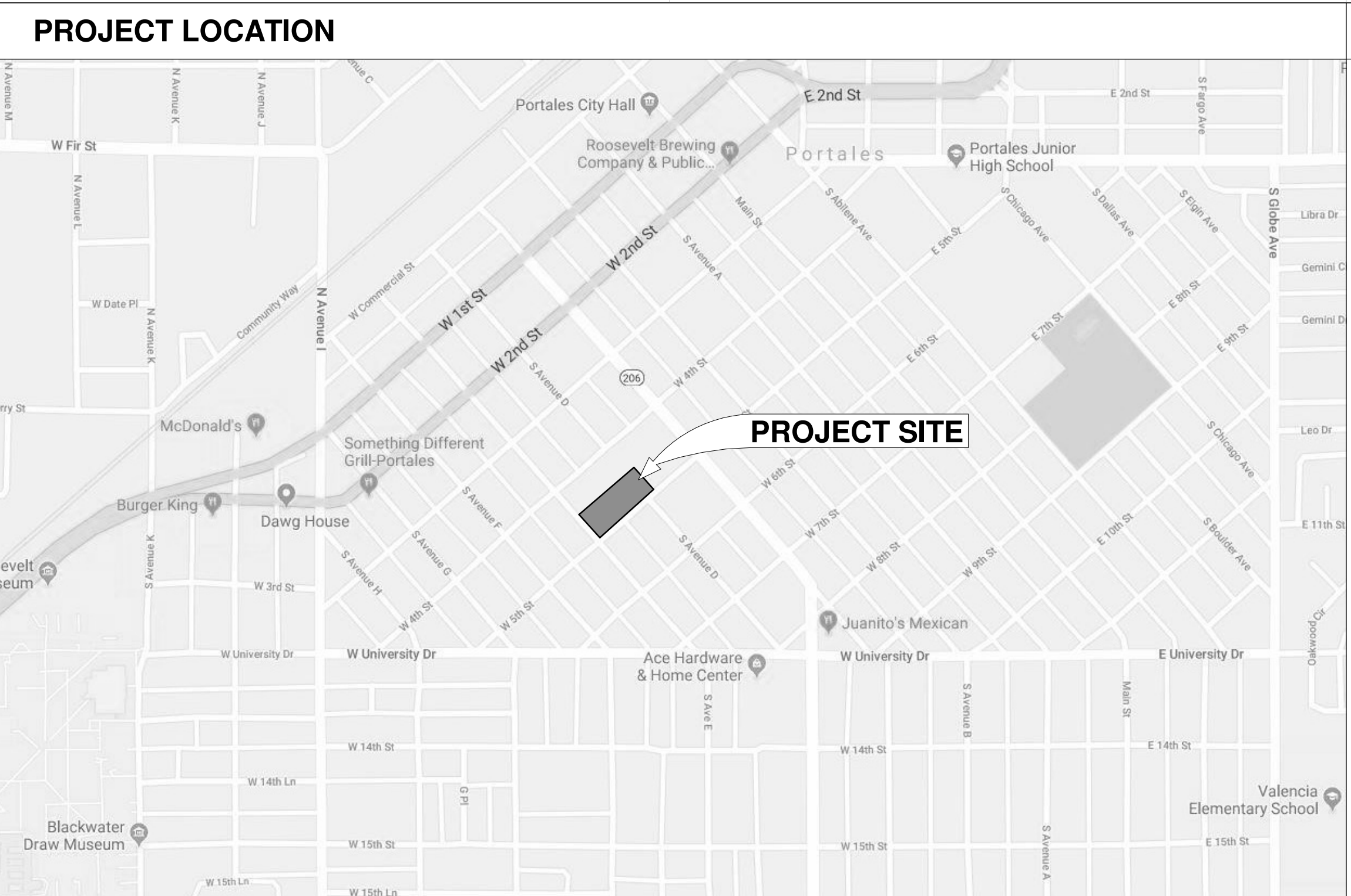
**CIVIL ENGINEER**  
LYDICK ENGINEERS & SURVEYORS  
205 E 2ND ST  
CLOVIS, NM 88101  
TEL: 575.762.3771

**STRUCTURAL ENGINEER**  
RME ABQ, LLC  
3150 CARLISLE BLVD. NE SUITE 109  
ALBUQUERQUE NM 87110  
TEL: 505.889.3004

**MECHANICAL, ELECTRICAL, PLUMBING, IT ENGINEER**  
BRIDGERS AND PAXTON CONSULTING ENGINEERS  
4600-C MONTGOMERY BLVD NE  
ALBUQUERQUE NM, 87109  
TEL: 505.883.4111

DATE 12/10/2019  
PROJECT NO: 18-0032  
PSFA PRE-K PROJECT NO: K-18-011  
PSFA SYSTEMS PROJECT NO: S-20-008  
ISSUE PURPOSE  
CONSTRUCTION DOCUMENTS





**GENERAL SYMBOLS LEGEND**

**NORTH ARROW**  
N

**STRUCTURAL GRIDLINE**  
XX

**BUILDING SECTION / WALL SECTION**  
XX  
XX-XXX

**EXTERIOR ELEVATIONS**  
XX  
XX-XXX

**INTERIOR ELEVATIONS**  
X  
XX-XXX  
X

**ENLARGED DETAIL DRAWING**  
XX  
XX-XXX

**ROOM NAME AND NUMBER**  
Room name  
101  
150 SF

**WINDOW TYPE**  
1

**PARTITION ASSEMBLY TYPE**  
XX

**ELEVATION MARK**  
X'-X'

**DOOR NUMBER**  
1000

**MATCHLINE**  
XX | XX-XXX

**DESIGN CRITERIA**

PROJECT NAME: BROWN EARLY CHILDHOOD CENTER  
TYPE OF BUILDING CONSTRUCTION: OLD WING RENOVATION  
TOTAL BUILDING SQUARE FOOTAGE: 24,175 SF  
OCCUPANCY: EDUCATION, E  
OCCUPANT LOAD: 631  
ALLOWABLE AREA: S Type VB = 38,000SF  
EXITING REQUIREMENTS: NA, NO CHANGES  
PLUMBING FIXTURE REQUIREMENTS: 12 WATER CLOSETS, 11 LAVATORIES, 5 DRINKING FOUNTAINS, 2 SERVICE SINKS  
FIRE SPRINKLERS: REQUIRED, NEW FIRE SPRINKLER TO BE INSTALLED  
HEIGHT AND NUMBER OF STORIES: BUILDING HEIGHT - 60'-0", ONE STORY  
LAND USE ZONE:  
SEISMIC LOCATION: CATEGORY A

**PROJECT DESCRIPTION**

THE PROPOSED INTERIOR IMPROVEMENTS INCLUDE THE RENOVATION OF NINE CLASSROOMS AND THE ADDITION OF NEW RESTROOMS IN EACH CLASSROOM. ALSO INCLUDED IS THE RENOVATION OF THE COMMON RESTROOMS AND THE ADDITION OF SELECT INTERIOR PARTITIONS TO ACCOMMODATE REVISED FURNISHING LAYOUTS AS REQUIRED BY THE OCCUPANTS. THE PROPOSED TENANT IMPROVEMENTS DO NOT INCLUDE A CHANGE IN OCCUPANCY. THE ARRANGEMENT AND PATHS OF EGRESS COMPONENTS ARE NOT ADVERSELY AFFECTED BY THE PROPOSED IMPROVEMENTS.

THE PROJECT WILL BE A LEVEL 3 ALTERATION PER THE 2015 IEBC.

**DRAWING INDEX**

**GENERAL**  
CV COVER SHEET  
GX101A PROJECT LOCATION, DRAWING INDEX, SYMBOLS  
G1101 CODE PLAN  
G1102 MOUNTING HEIGHTS  
G1103 PHASING PLAN

**CIVIL**  
V-101 EXISTING SITE SURVEY SOUTH PARKING LOT  
CD-101 DEMOLITION PLAN SOUTH PARKING LOT - BID LOT #3  
C-101 GRADING PLAN SOUTH PARKING LOT - BID LOT #3  
C-102 STRIPING PLAN SOUTH PARKING LOT - BID LOT #3  
C-501 CIVIL DETAILS  
C-502 HANDICAP RAMP DETAIL

**STRUCT**  
S101 FOUNDATIONS PLANS  
S102 ROOF FRAMING PLAN  
S103 TYPICAL DETAILS, EARTHWORK  
S104 STRUCTURAL GENERAL NOTES

**DEMOLITION**  
AD100A DEMOLITION FLOOR PLAN - AREA A  
AD100B DEMOLITION FLOOR PLAN - AREA B  
AD101A DEMOLITION FLOOR PLAN - AREA A - BID LOT #1  
AD101B DEMOLITION FLOOR PLAN - AREA B - BID LOT #1  
AD102 EXISTING SLAB DEMOLITION PLAN AND NEW SLAB PLAN  
AD120A DEMOLITION REFLECTED CEILING PLAN - AREA A  
AD120B DEMOLITION REFLECTED CEILING PLAN - AREA B  
AD121A DEMOLITION REFLECTED CEILING PLAN - AREA A - BID LOT #1  
AD121B DEMOLITION REFLECTED CEILING PLAN - AREA B - BID LOT #1  
AD140A DEMOLITION ROOF PLAN - AREA A  
AD140B DEMOLITION ROOF PLAN - AREA B  
AD141A DEMOLITION ROOF PLAN - AREA A - BID LOT #1  
AD141B DEMOLITION ROOF PLAN - AREA B - BID LOT #1

**ARCHITECTURAL SITE**  
AS101 SITE PLAN  
AS501 SITE DETAILS

**ARCHITECTURE**  
AE100 PARTITION TYPES  
AE100 FLOOR PLAN - OVERALL  
AE100A FLOOR PLAN - AREA A  
AE100B FLOOR PLAN - AREA B  
AE101A FLOOR PLAN - AREA A - BID LOT #1  
AE101B FLOOR PLAN - AREA B - BID LOT #1  
AE120A REFLECTED CEILING PLAN - AREA A  
AE120B REFLECTED CEILING PLAN - AREA B  
AE121A REFLECTED CEILING PLAN - AREA A - BID LOT #1  
AE121B REFLECTED CEILING PLAN - AREA B - BID LOT #1  
AE140A ROOF PLAN - AREA A  
AE140B ROOF PLAN - AREA B  
AE141A ROOF PLAN - AREA A - BID LOT #1  
AE141B ROOF PLAN - AREA B - BID LOT #1  
AE201 EXTERIOR ELEVATIONS  
AE221 INTERIOR ELEVATIONS  
AE222 INTERIOR ELEVATIONS  
AE223 INTERIOR ELEVATIONS  
AE224 INTERIOR ELEVATIONS  
AE301 BUILDING SECTIONS  
AE321 WALL SECTIONS  
AE322 WALL SECTIONS  
AE341 WALL SECTION DETAILS  
AE361 CASEWORK SECTIONS  
EA401 ENLARGED PLANS  
AE501 FLOOR PLAN DETAILS  
AE521 CEILING DETAILS  
AE541 ROOF DETAILS  
AE581 OPENING DETAILS  
AES82 OPENING DETAILS  
AE621 SCHEDULES  
AE681 OPENING TYPES

**ARCHITECTURAL FINISHES**  
AF101A FINISH FLOOR PLAN - AREA A  
AF101B FINISH FLOOR PLAN - AREA B

**FIRE PROTECTION**  
FX001 FIRE PROTECTION LEGEND  
FX101A FIRE PROTECTION FLOOR PLAN - AREA A - BID LOT #1  
FX101B FIRE PROTECTION FLOOR PLAN - AREA B - BID LOT #1  
FX501 FIRE PROTECTION DETAILS

**PLUMBING**  
P-001 PLUMBING LEGEND  
PD100A PLUMBING DEMOLITION FLOOR PLAN - AREA A  
PD100B PLUMBING DEMOLITION FLOOR PLAN - AREA B  
PD101A PLUMBING DEMOLITION FLOOR PLAN - AREA A - BID LOT #1  
PD101B PLUMBING DEMOLITION FLOOR PLAN - AREA B - BID LOT #1  
PL100A WASTE & VENT FLOOR PLAN - AREA A  
PL100B WASTE & VENT FLOOR PLAN - AREA B  
PL101A WASTE & VENT FLOOR PLAN - AREA A - BID LOT #1  
PL101B WASTE & VENT FLOOR PLAN - AREA B - BID LOT #1  
PL140A PLUMBING ROOF PLAN - AREA A  
PL140B PLUMBING ROOF PLAN - AREA B  
PL141A PLUMBING ROOF PLAN - AREA A - BID LOT #1  
PL141B PLUMBING ROOF PLAN - AREA B - BID LOT #1  
PP100A PRESSURE PIPING FLOOR PLAN - AREA A  
PP100B PRESSURE PIPING FLOOR PLAN - AREA B  
PP101A PRESSURE PIPING FLOOR PLAN - AREA A - BID LOT #1  
PP101B PRESSURE PIPING FLOOR PLAN - AREA B - BID LOT #1  
PG100A PIPED GASES FLOOR PLAN - AREA A  
PG101A PIPED GASES FLOOR PLAN - AREA A - BID LOT #1  
P-501 PLUMBING SPECIFICATIONS

**MECHANICAL**  
M-001 MECHANICAL LEGEND  
MD100 MECHANICAL DEMOLITION FLOOR PLAN - OVERALL  
MD100A MECHANICAL DEMOLITION FLOOR PLAN - AREA A  
MD100B MECHANICAL DEMOLITION FLOOR PLAN - AREA B  
MD101A MECHANICAL DEMOLITION FLOOR PLAN - AREA A - BID LOT #1  
MD101B MECHANICAL DEMOLITION FLOOR PLAN - AREA B - BID LOT #1  
MD140A MECHANICAL ROOF DEMOLITION PLAN - OVERALL  
MD140B MECHANICAL ROOF DEMOLITION PLAN - AREA A  
MD140C MECHANICAL ROOF DEMOLITION PLAN - AREA B  
MD141A MECHANICAL DEMOLITION ROOF PLAN - AREA A - BID LOT #1  
MD141B MECHANICAL DEMOLITION ROOF PLAN - AREA B - BID LOT #1  
MH100 HVAC FLOOR PLAN - OVERALL  
MH100A HVAC FLOOR PLAN - AREA A  
MH100B HVAC FLOOR PLAN - AREA B  
MH101A HVAC FLOOR PLAN - AREA A - BID LOT #1  
MH101B HVAC FLOOR PLAN - AREA B - BID LOT #1  
MH140 MECHANICAL ROOF PLAN - OVERALL  
MH140A MECHANICAL ROOF PLAN - AREA A  
MH140B MECHANICAL ROOF PLAN - AREA B  
MH141A MECHANICAL ROOF PLAN - AREA A - BID LOT #1  
MH141B MECHANICAL ROOF PLAN - AREA B - BID LOT #1  
M-501 MECHANICAL DETAILS  
M-701 MECHANICAL SCHEDULES

**MECHANICAL CONTROLS**  
MI001 MECHANICAL CONTROLS LEGEND  
MI601 MECHANICAL CONTROLS DIAGRAMS

**ELECTRICAL**  
E-001 ELECTRICAL SYMBOL LEGEND  
ED100 ELECTRICAL DEMOLITION FLOOR PLAN - OVERALL  
ES100 ELECTRICAL SITE PLAN  
EL100A LIGHTING FLOOR PLAN - AREA A  
EL100B LIGHTING FLOOR PLAN - AREA B  
EL101A LIGHTING FLOOR PLAN - AREA A - BID LOT #1  
EL101B LIGHTING FLOOR PLAN - AREA B - BID LOT #1  
EP100A POWER FLOOR PLAN - AREA A  
EP100B POWER FLOOR PLAN - AREA B  
EP101A POWER FLOOR PLAN - AREA A - BID LOT #1  
EP101B POWER FLOOR PLAN - AREA B - BID LOT #1  
EP140A ELECTRICAL ROOF PLAN - AREA A  
EP140B ELECTRICAL ROOF PLAN - AREA B  
EP141A ELECTRICAL ROOF PLAN - AREA A - BID LOT #1  
EP141B ELECTRICAL ROOF PLAN - AREA B - BID LOT #1  
FA101A FIRE ALARM FLOOR PLAN - AREA A - BID LOT #1  
FA101B FIRE ALARM FLOOR PLAN - AREA B - BID LOT #1  
E-401 ENLARGED POWER PLANS  
E-501 ELECTRICAL DETAILS  
ED601 ELECTRICAL DEMOLITION ONE-LINE DIAGRAM  
E-601 ELECTRICAL ONE-LINE DIAGRAM  
E-602 GROUNDING & FIRE ALARM RISER DIAGRAMS  
E-701 ELECTRICAL SCHEDULES  
E-702 ELECTRICAL PANEL SCHEDULES  
E-703 ELECTRICAL PANEL SCHEDULES

**TECHNOLOGY**  
T-001 TECHNOLOGY LEGEND  
TD100 TECHNOLOGY SYSTEMS DEMOLITION FLOOR PLAN - OVERALL  
TS101 TECHNOLOGY SITE PLAN  
T-100A TECHNOLOGY SYSTEMS FLOOR PLAN - AREA A  
T-100B TECHNOLOGY SYSTEMS FLOOR PLAN - AREA B  
T-101A TECHNOLOGY SYSTEMS FLOOR PLAN - AREA A - BID LOT #1  
T-101B TECHNOLOGY SYSTEMS FLOOR PLAN - AREA B - BID LOT #1  
T-401 ENLARGED TECHNOLOGY PLANS  
T-501 TECHNOLOGY DETAILS  
T-502 TECHNOLOGY DETAILS  
T-601 TECHNOLOGY DIAGRAMS

**SPECIAL INSPECTION AND TESTING FOR ARCHITECTURAL COMPONENTS**

SPEC. INSP. REQ'D. Y/N	INSPECTION TASK	FREQUENCY		REFERENCES	
		CONTINUOUS	PERIODIC	IBC 2015	REF. STD.
N	1. EXTERIOR CLADDING, INTERIOR AND EXTERIOR NON-BEARING WALLS, AND INTERIOR AND EXTERIOR VENEER	---	X	1705.12.5	
N	A. ACCESS FLOORS AND THEIR ANCHORAGE	---	X	1705.12.5.1	
N	2. STORAGE RACKS	---	X	1705.12.7	
N	3. EXTERIOR INSULATION & FINISH SYSTEM (EIFS)	---	X	1705.16	
N	A. WATER-RESISTANT BARRIER COATING	---	X	1705.16.1	ASTM E 2750

**SPECIAL INSPECTION AND TESTING FOR FIRE PROTECTION**

SPEC. INSP. REQ'D. Y/N	INSPECTION TASK	FREQUENCY		REFERENCES	
		CONTINUOUS	PERIODIC	IBC 2015	REF. STD.
Y	1. PENETRATION FIRESTOP SYSTEMS	---	X	1705.17	ASTM E 2174.
Y	2. FIRE-RESISTANT JOINT SYSTEMS	---	X	1705.17	ASTM E 2393



GENERAL SHEET NOTES

- A. EXIT SIGNS WITH BATTERY BACK-UP ARE INDICATED ON ELECTRICAL SHEETS.
- B. EMERGENCY LIGHTING IS INDICATED ON ELECTRICAL SHEETS.
- C. SHOP DRAWINGS FOR FIRE PROTECTION SYSTEM SHALL BE SUBMITTED TO FIRE MARSHAL'S OFFICE FOR REVIEW PRIOR TO INSTALLATION.
- D. LOCATIONS OF EXIT SIGNAGE AND EMERGENCY LIGHTING IS SUBJECT TO REVIEW BY FIRE MARSHAL AND CODE OFFICIAL PRIOR TO INSTALLATION.
- E. SHOP DRAWINGS FOR FIRE PROTECTION AND ALARM SYSTEMS SHALL INCLUDE: MANUAL ACTIVATION DEVICE LOCATIONS, LOCATIONS OF BOTH AUDIBLE AND VISUAL ALERT DEVICES, ETC.
- F. REFER TO SHEET GH02 FOR MOUNTING HEIGHTS AND CLEARANCES FOR ACCESSIBLE ELEMENTS.

APPLICABLE CODES

2015 INTERNATIONAL BUILDING CODE (IBC) PER 2015 NEW MEXICO COMMERCIAL BUILDING CODE (NMCBC) SECTION 14.7.2.8  
 (NOTE: ALL SECTION AND TABLE REFERENCES IN CODE SUMMARY ARE TO IBC UNLESS NOTED OTHERWISE)  
 2015 UNIFORM PLUMBING CODE (UPC) PER 2015 NEW MEXICO PLUMBING CODE (NMPC) SECTION 14.8.2.8  
 2015 UNIFORM MECHANICAL CODE (UMC) PER 2015 NEW MEXICO MECHANICAL CODE (NMMC) SECTION 14.9.2.8  
 2017 NATIONAL ELECTRICAL CODE (NEC) PER 2017 NEW MEXICO ELECTRICAL CODE (NMEC) SECTION 14.10.4.8  
 2009 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) PER 2009 NEW MEXICO ENERGY CONSERVATION CODE (NMEC) SECTION 14.7.6.8  
 2015 INTERNATIONAL EXISTING BUILDING CODE (IEBC) PER 2015 NEW MEXICO EXISTING BUILDING CODE (NMEBC) SECTION 14.7.7.8  
 ICC ANS I 177.1 - 2009, ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES

2015 IBC CODE REFERENCE

- A. USE AND OCCUPANCY CLASSIFICATION (CHAPTER 3)  
OCCUPANCY GROUP (SECTION 505): E (EDUCATION)
- B. TYPE OF CONSTRUCTION (CHAPTER 6)  
CONSTRUCTION CLASSIFICATION (SECTION 602.2): TYPE VB  
FIRE RESISTANCE RATING FOR BUILDING ELEMENTS (TABLE 601)  
PRIMARY STRUCTURAL FRAME: 0 HRS  
BEARING AND NONBEARING INTERIOR WALLS: 0 HRS  
FLOOR AND ROOF CONSTRUCTION: 0 HRS  
FIRE-RESISTANCE RATING OF EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE (TABLE 602)  
NORTH - SEPARATION DISTANCE >10 = 0 HRS  
SOUTH - SEPARATION DISTANCE >10 = 0 HRS  
EAST - SEPARATION DISTANCE >10 = 0 HRS  
WEST - SEPARATION DISTANCE >10 = 0 HRS

- C. FIRE PROTECTIVE SYSTEM  
1. BUILDING SHALL BE EQUIPPED THROUGHOUT WITH A QUICK RESPONSE AUTOMATIC SPRINKLER SYSTEM AS REQUIRED FOR E OCCUPANCIES (SECTION 902.2.3)  
2. BUILDING SHALL BE EQUIPPED THROUGHOUT WITH A FIRE ALARM AND DETECTION SYSTEM AS REQUIRED FOR "E" OCCUPANCIES (SECTION 907.2.3)  
3. PORTABLE FIRE EXTINGUISHERS SHALL BE PROVIDED AS REQUIRED FOR "E" OCCUPANCIES (PER 906.1) AND (TABLE 906.3(1)), INCLUDING TRAVEL DISTANCE NOT TO EXCEED 75'
- D. GENERAL BUILDING HEIGHTS AND AREAS (CHAPTER 5)  
ALLOWABLE HEIGHT (TABLE 504.3, TYPE VB.5): 60'-0"  
ACTUAL MAXIMUM HEIGHT: 34'-0"  
ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE (TABLE 504.4, TYPE VB.5): 2 STORIES  
ALLOWABLE AREA FACTOR (TABLE 506.2, TYPE VB.5.1): 38,000 SF  
BUILDING AREA: 24,175 SF

F. ENERGY CONSERVATION (IECC CHAPTER 5)  
COMMERCIAL ENERGY EFFICIENCY CITY OF PORTALES, ROOSEVELT COUNTY, NM CLIMATE ZONE: 4 (EXCEPT MARINE)

INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT	REQUIRED	PROVIDED
BUILDING ENVELOPE OPAQUE ASSEMBLIES (TABLE 502.2)		
ROOF R-VALUE, ENTIRELY ABOVE DECK	20ci	20ci
MASS WALL R-VALUE	9.5ci	10ci
METAL FRAME WALL R-VALUE	13-7.5 ci	19-10ci
SLAB R-VALUE AND DEPTH	N/A	102 FT
OPAQUE DOORS/SWINGING	0.70	0.70
BUILDING ENVELOPE FENESTRATION (TABLE 502.3)		
CURTAIN WALL/STOREFRONT U-FACTOR	0.50	0.35
ENTRANCE DOOR U-FACTOR	0.53	0.27
SHGC: SEW (P<0.25)	0.40	0.27
SKYLIGHTS U-FACTOR	0.60	0.51
SKYLIGHTS SHGC	0.40	0.34

F. MEANS OF EGRESS (CHAPTER 10)  
OCCUPANT LOAD (TABLE 1004.1)  
OCCUPANT LOAD: 631 OCCUPANTS

EGRESS REQUIREMENTS:  
1. MINIMUM NUMBER OF EXITS FOR A TOTAL OCCUPANT LOAD OF 501-1,000 IS 3 EXITS PER SECTION 1006.2.1.1. MORE THAN 3 TOTAL EXITS PROVIDED.  
2. TOTAL ALLOWABLE EXIT ACCESS LENGTH W/ SPRINKLER SYSTEM: PER TABLE 1017.2 IS 250 FT. PER TABLE 1006.2.1.  
3. MAXIMUM OCCUPANT LOAD FOR SPACE WITH ONE EXIT IS 49 OCCUPANTS PER TABLE 1006.2.1.  
4. MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE: PER TABLE 1006.2.1 IS 75 FT.  
5. REQUIRED FIRE RESISTANCE RATING OF CORRIDOR FOR E OCCUPANCY WITH SPRINKLER SYSTEM IS 0 HR PER TABLE 1006.1.

OCCUPANT LOADS:	TOTAL	MALE	FEMALE
E OCCUPANCY	399	198	200
A3 OCCUPANCY	232	496	116
E OCCUPANCY:			
MALE - FEMALE:	8	8	4
A3 OCCUPANCY:			
MALE:	1	1	1
FEMALE:	1	1	1
TOTAL:	2	2	2

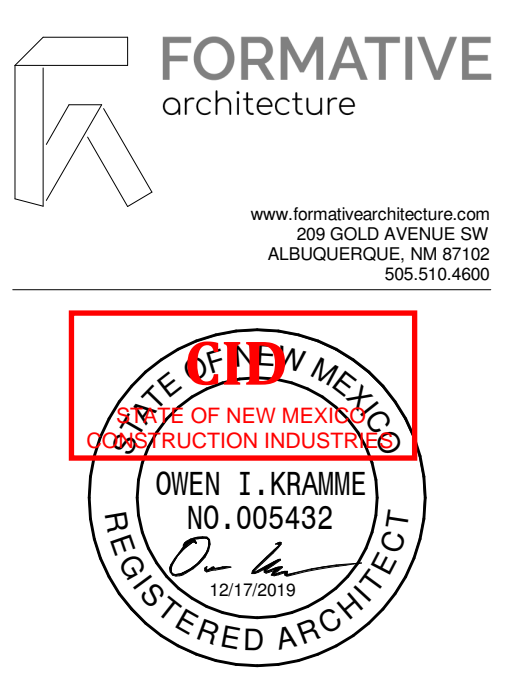
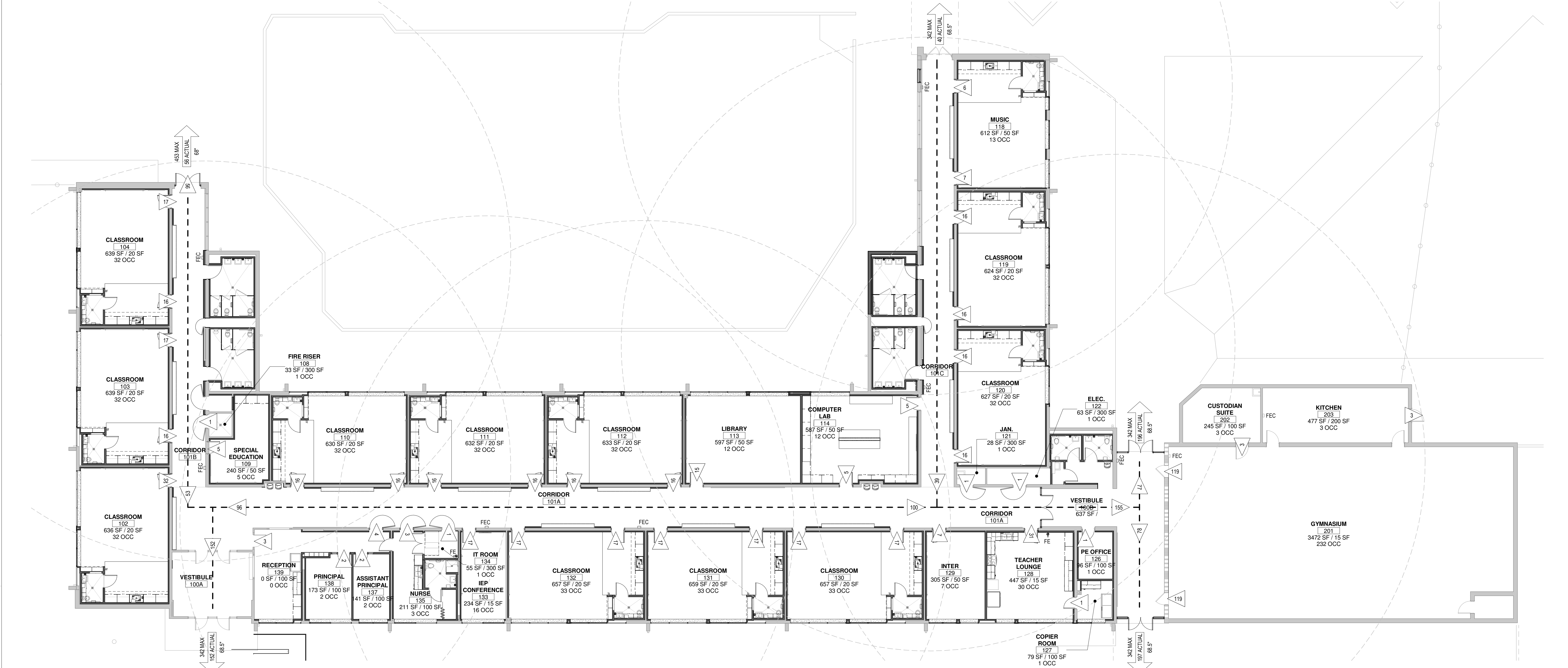
PLUMBING FIXTURES REQUIRED: 15  
PLUMBING FIXTURES PROVIDED: 15

LEGEND

- Name: 101
  - 150 SF / 50 SF
  - 3 OCC
  - XX
  - XXX MAX
  - XXX ACTUAL
  - XX"
  - FE
  - FEC
- ROOM NAME  
ROOM NUMBER  
AREA OF ROOM/SF PER OCCUPANT  
OCCUPANT LOAD OF ROOM  
OCCUPANT LOAD/DIRECTION OF EGRESS  
MAXIMUM OCCUPANT LOAD FOR DOOR  
ACTUAL OCCUPANT LOAD FOR DOOR  
WIDTH OF DOOR (IN INCHES)  
DIRECTION OF EXIT  
NUMBER OF OCCUPANTS EXITING  
FIRE EXTINGUISHER LOCATION  
FIRE EXTINGUISHER & CABINET LOCATION

MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURE (SECTION 2902)

DESCRIPTION	WATER CLOSETS		LAVATORIES		DRINKING FOUNTAINS	OTHERS
	MALE	FEMALE	MALE	FEMALE		
A3 - GYMNASIUM	1 PER 125	1 PER 65	1 PER 200		1 PER 500	1 SERVICE SINK
E - EDUCATIONAL	1 PER 50		1 PER 50		1 PER 100	1 SERVICE SINK



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

CONSTRUCTION DOCUMENTS

- REVISIONS
- △
  - △
  - △
  - △
  - △

DRAWN BY: NW  
REVIEWED BY: OK  
DATE: 12/10/2019  
PROJECT NO: 18-0032  
PSFA PRE-K PROJECT NO: K-18-011  
PSFA SYSTEMS PROJECT NO: S-20-008  
DRAWING NAME: CODE PLAN

A1 CODE PLAN  
3/32" = 1'-0"



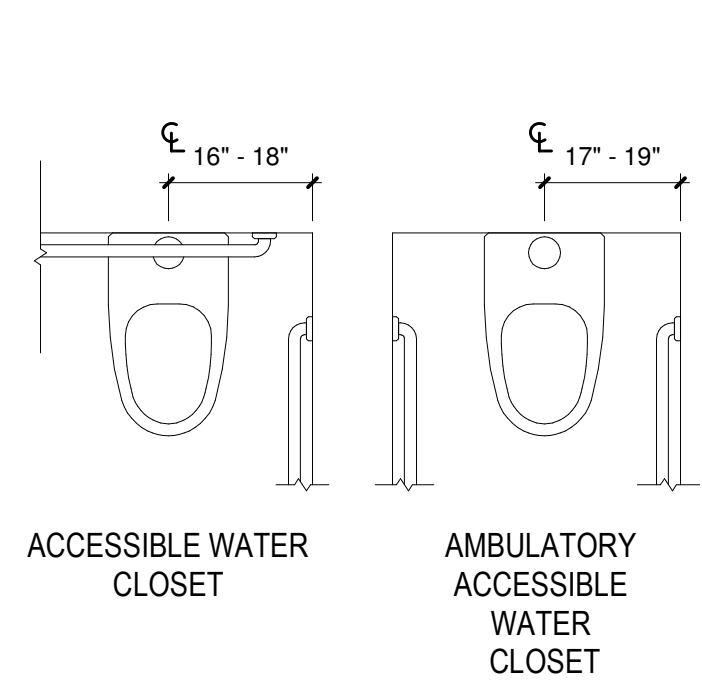


FIGURE 604.2  
WATER CLOSET LOCATION

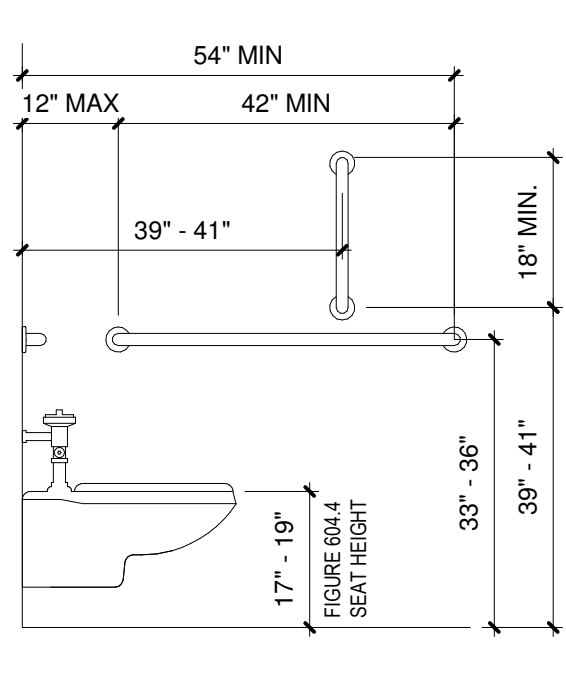


FIGURE 604.5.1  
SIDE WALL GRAB BAR AT WATER CLOSETS

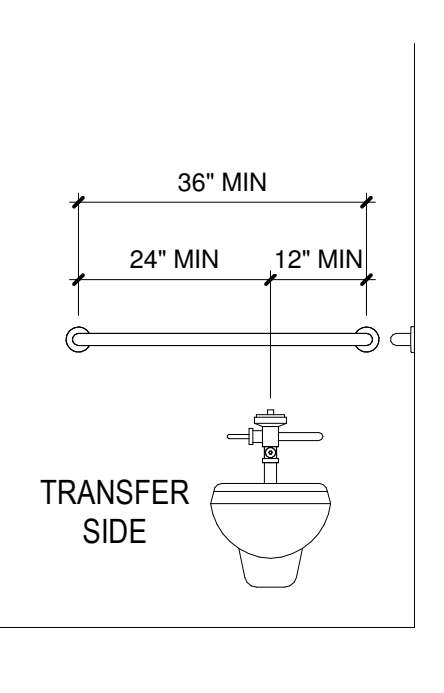


FIGURE 604.5.2  
REAR WALL GRAB BAR AT WATER CLOSETS

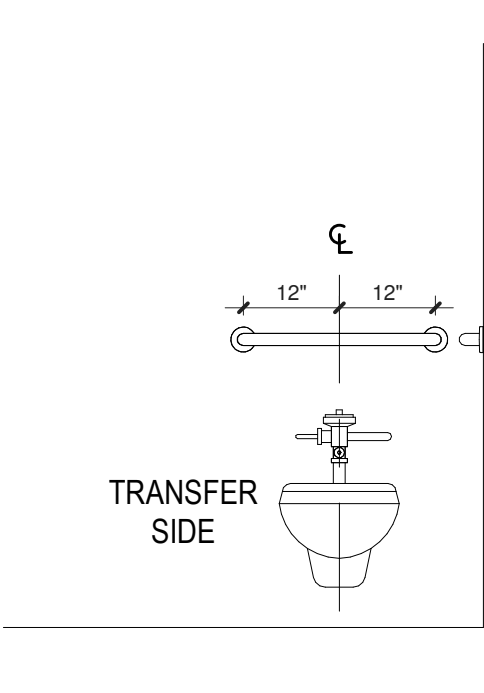


FIGURE 604.5.2 - EXCEPTION 1  
REAR WALL GRAB BAR AT WATER CLOSETS

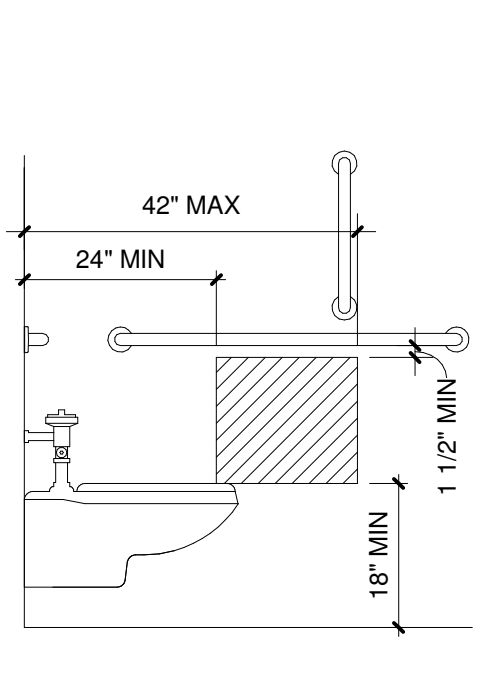


FIGURE 604.7 (a)  
DISPENSER OUTLET LOCATION (PROTRUDING DISPENSER BELOW GRAB BAR)

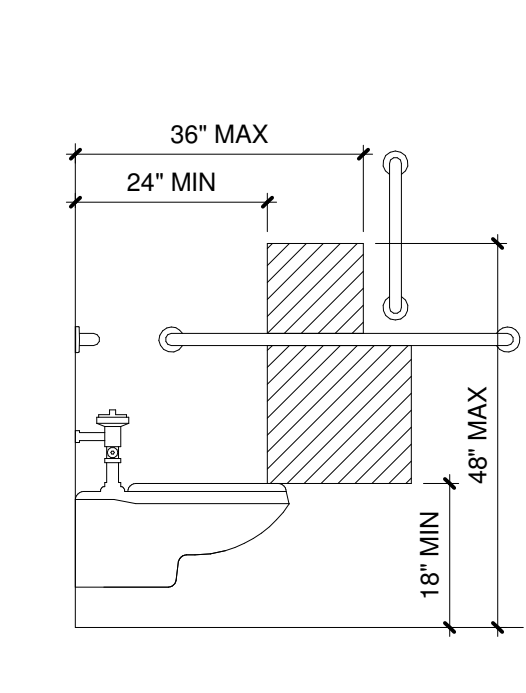


FIGURE 604.7 (c)  
DISPENSER OUTLET LOCATION (RECESSED DISPENSER)

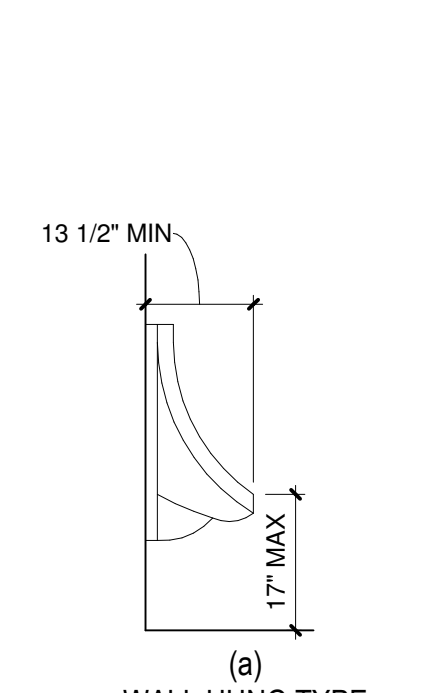


FIGURE 605.2  
WALL HUNG TYPE HEIGHT AND DEPTH OF URINALS

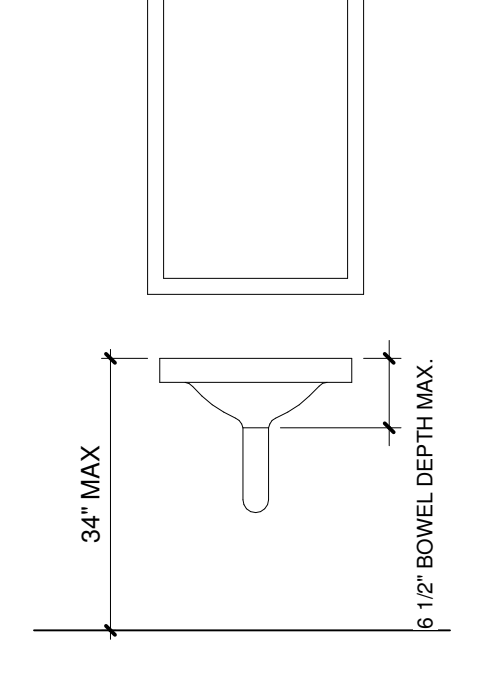


FIGURE 306.3  
HEIGHT OF LAVATORIES

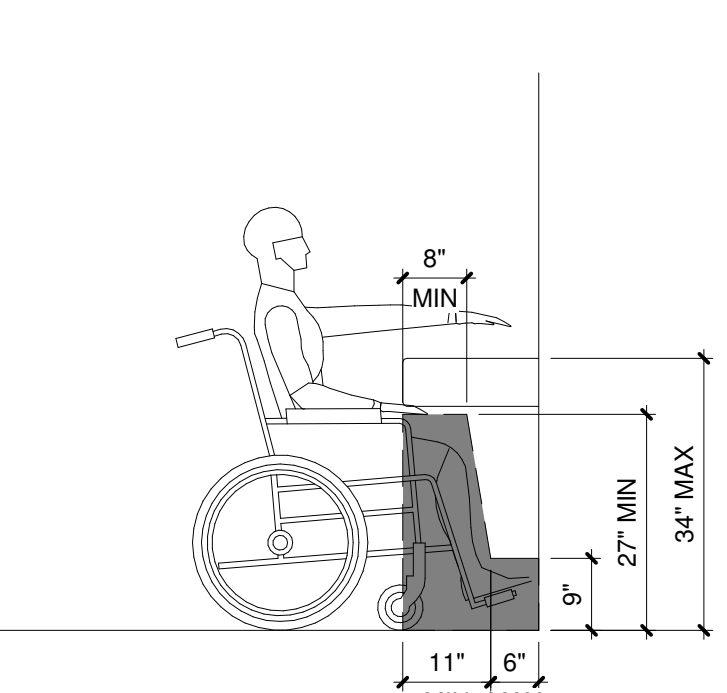
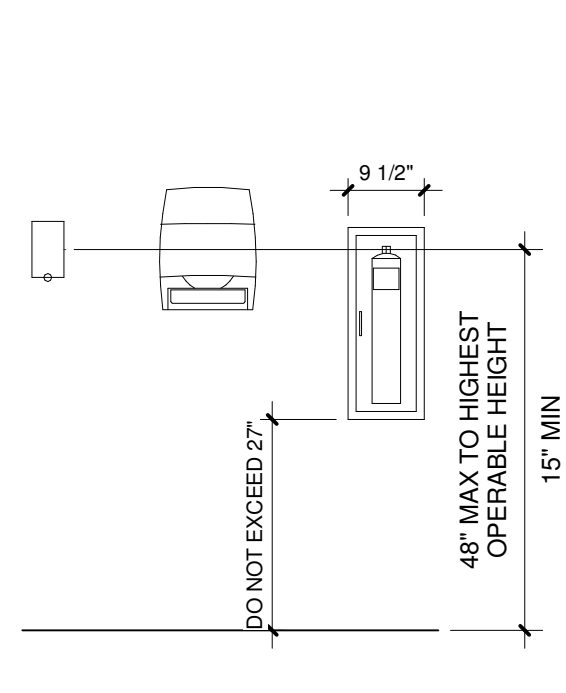
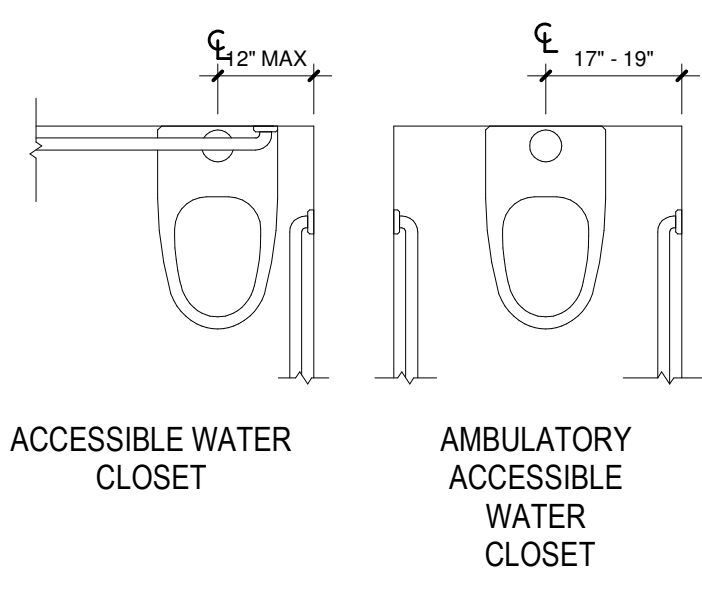


FIGURE 306.3  
KNEE CLEARANCE



SOAP DISPENSER, PAPER TOWEL DISPENSER, FIRE EXTINGUISHER - UNOBSTRUCTED FORWARD REACH

GROUP A - ADULT



604.9.1  
CHILDREN'S WATER CLOSET LOCATION - REFER TO 604.2

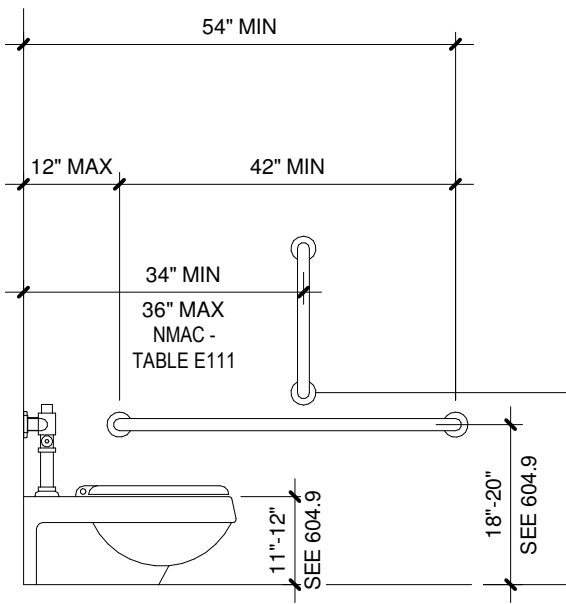
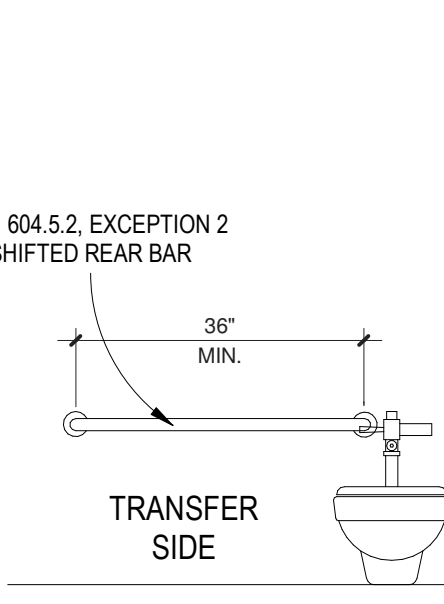
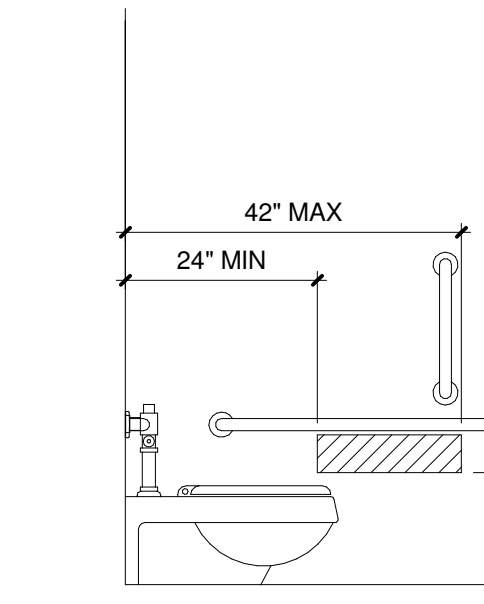


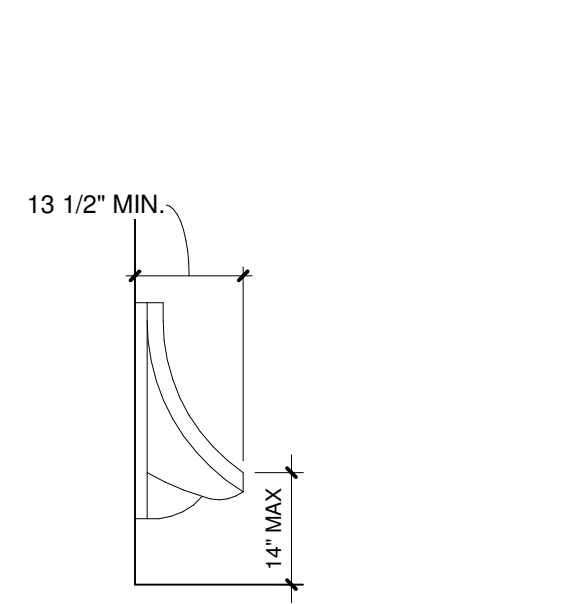
TABLE 604.9  
SIDE WALL GRAB BAR AT WATER CLOSETS



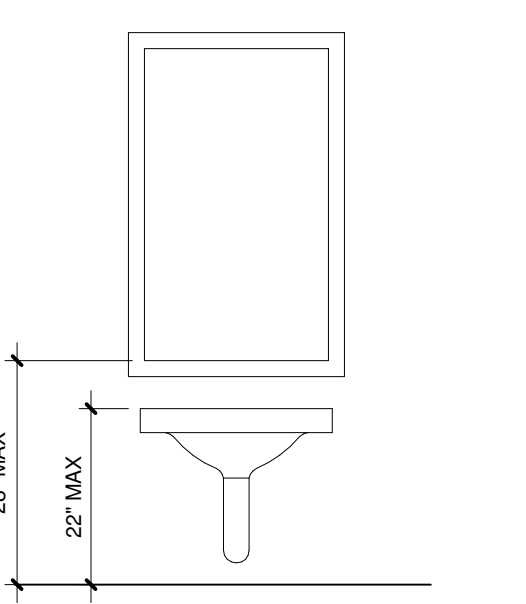
NMAC - TABLE E111  
REAR WALL GRAB BAR AT WATER CLOSETS



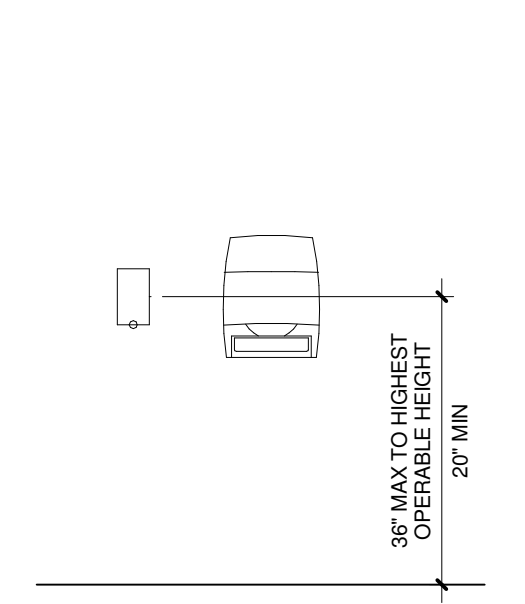
604.9.6  
DISPENSER OUTLET LOCATION - REFER TO 604.9



NMAC - TABLE E111  
HEIGHT AND DEPTH OF URINALS



NMAC - TABLE E111  
HEIGHT OF LAVATORIES



NMAC - TABLE E111  
SOAP DISPENSER, PAPER TOWEL DISPENSER

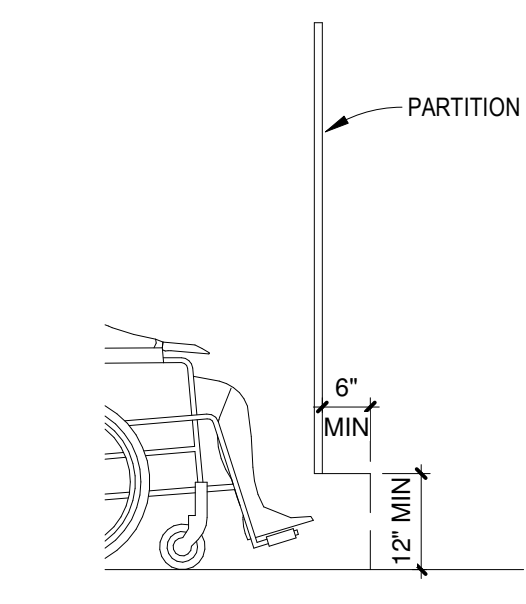


FIGURE 604.8.1.4 (b)  
WHEELCHAIR ACCESSIBLE COMPARTMENT TOE CLEARANCE

GROUP B - AGES 3 THROUGH 4 PRE-K

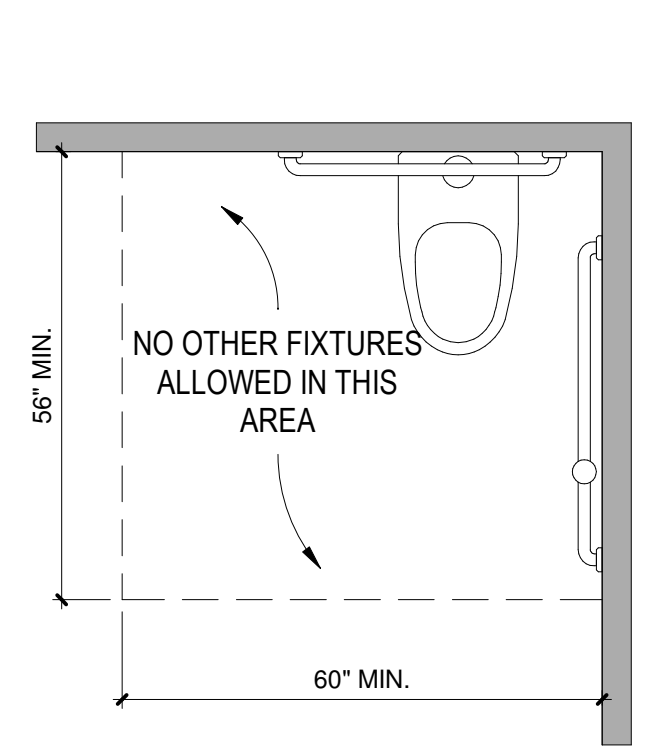


FIGURE 604.3.1  
SIZE OF CLEARANCE AT WATER CLOSETS

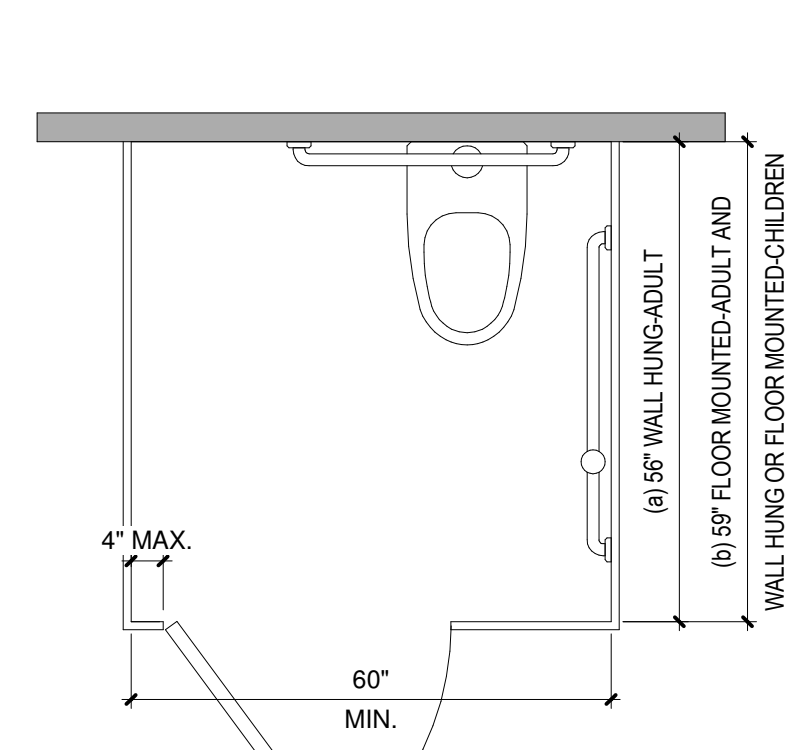


FIGURE 604.8.1.1  
SIZE OF WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT

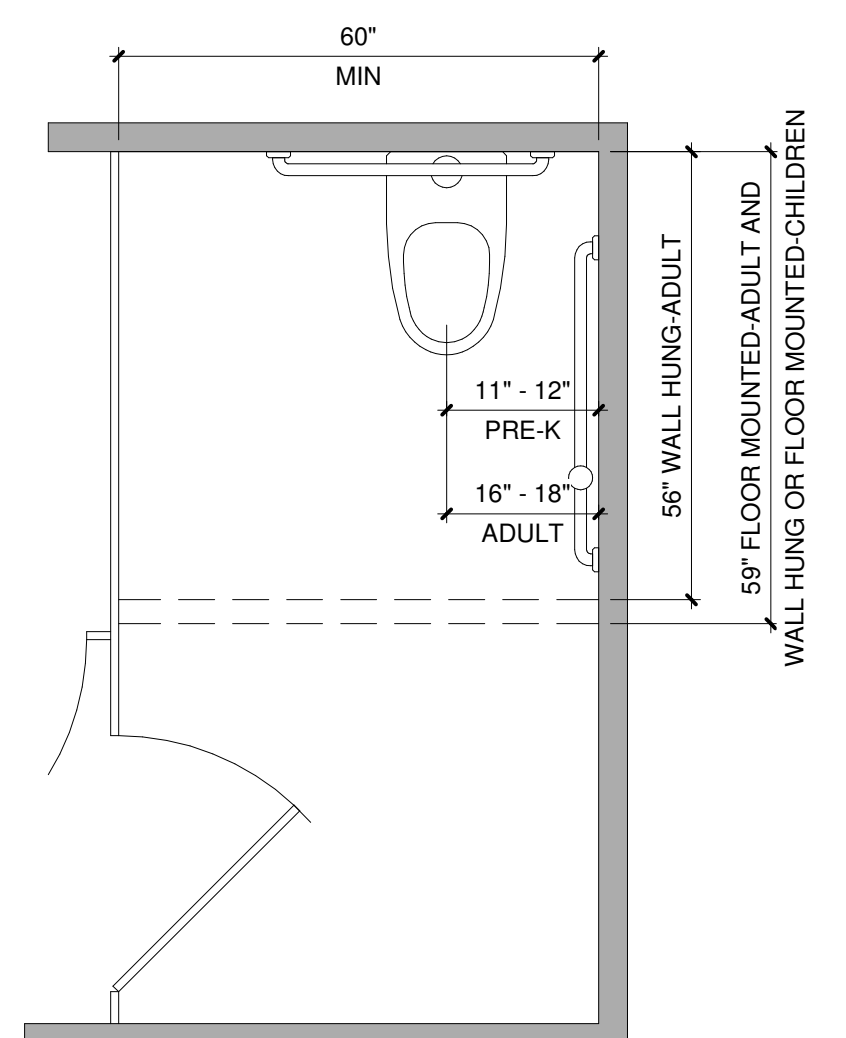


FIGURE 604.9.3.1(C)  
WHEELCHAIR ACCESSIBLE COMPARTMENT

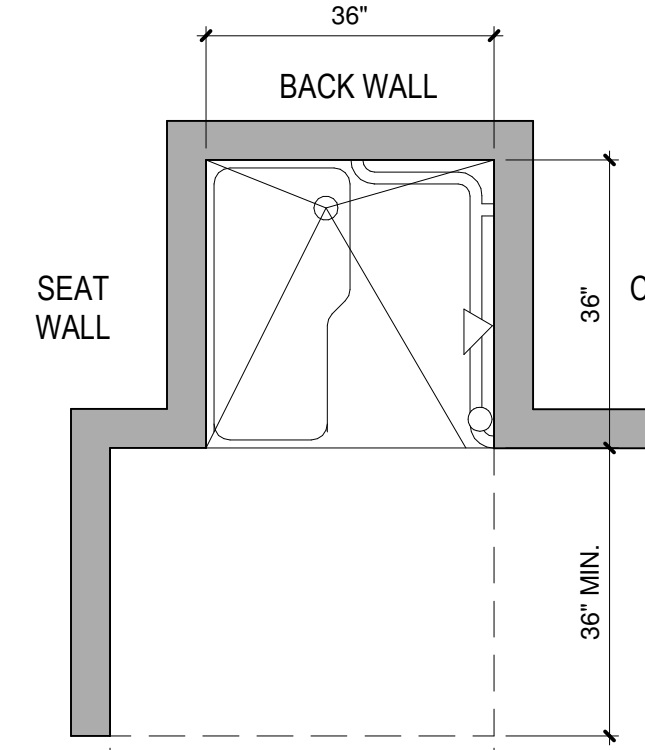


FIGURE 608.2.1  
TRANSFER TYPE SHOWER COMPARTMENT SIZE AND CLEARANCE

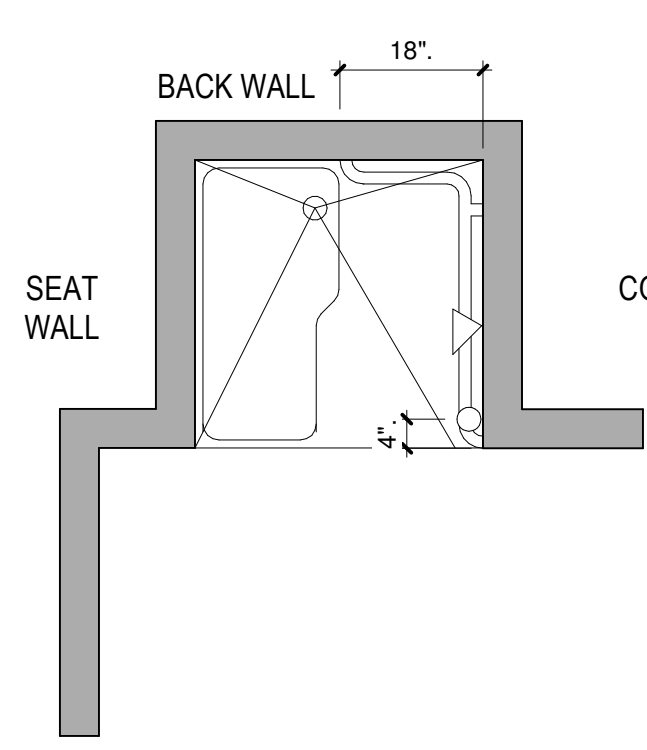


FIGURE 608.3.1  
GRAB BARS FOR TRANSFER TYPE SHOWER

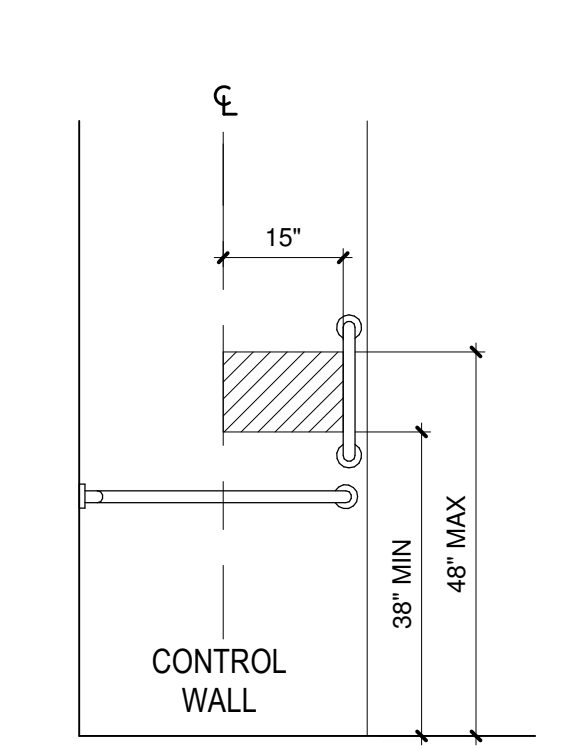


FIGURE 608.5.1  
TRANSFER TYPE SHOWER CONTROLS AND HANDSHOWER LOCATION

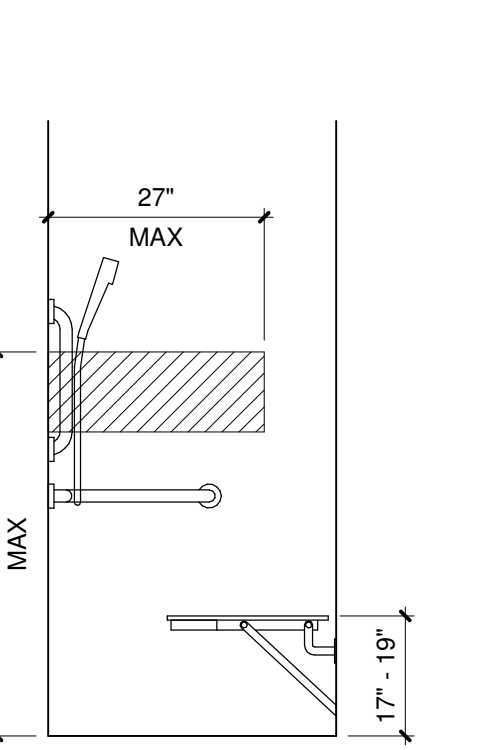
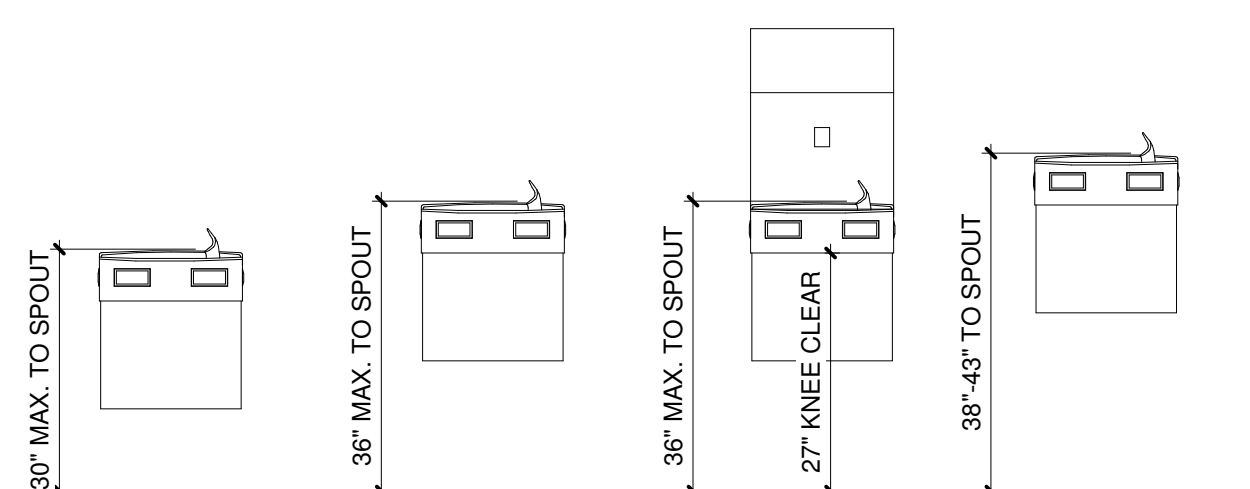
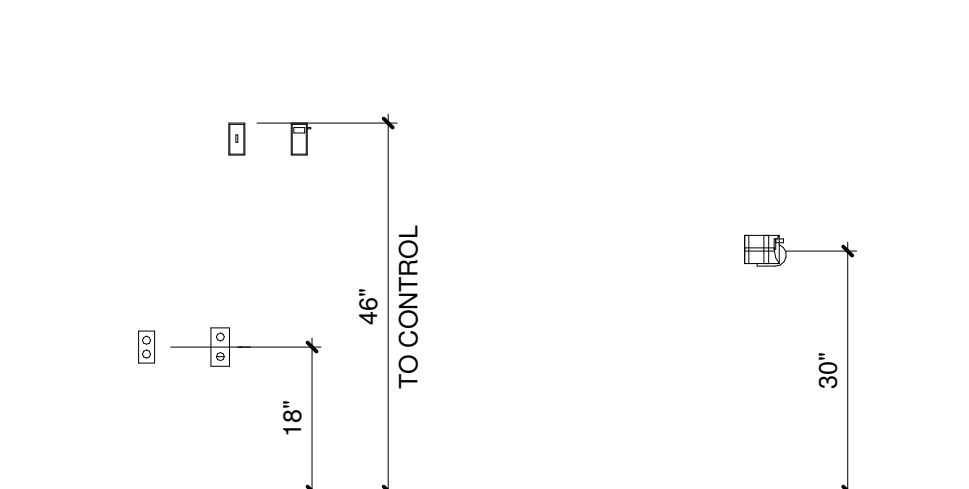


FIGURE 608.5.3 (a)  
TRANSFER TYPE SHOWER GRAB BAR AND SEAT HEIGHT

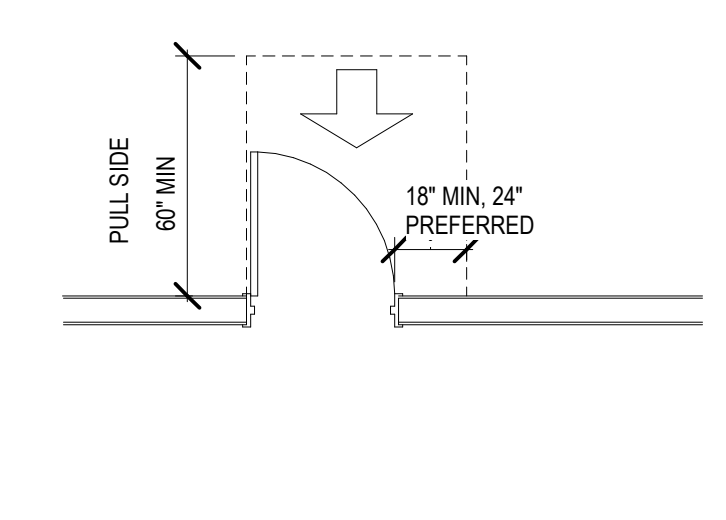


NMAC - TABLE E111  
WHEELCHAIR ACCESS (CHILDREN 3-4) SEE ANSI 602.2 EXCEPTION 2  
NMAC - TABLE E111  
STANDING PERSON (CHILDREN 3-4)  
602.4  
ACCESSIBLE (ADULT)  
602.7  
STANDARD HEIGHT (ADULT)

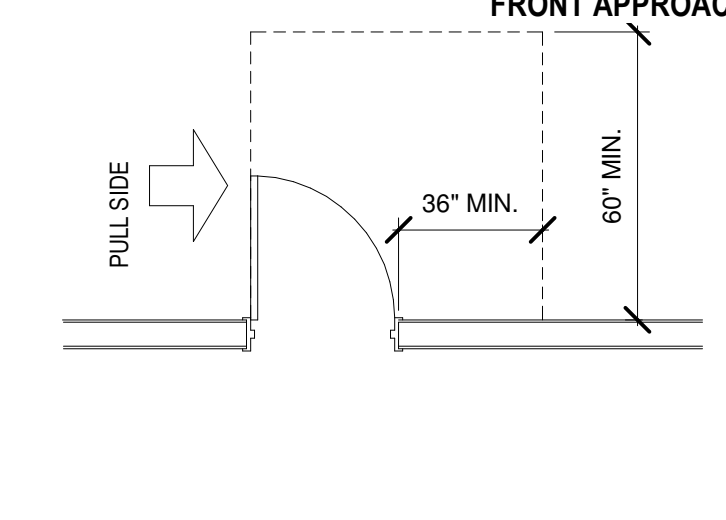


CONTROLS AND OUTLETS  
PENCIL SHARPENER

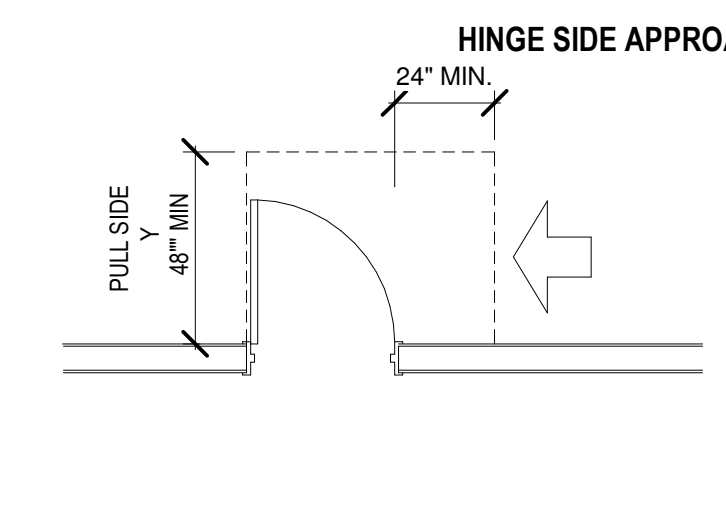
DRINKING FOUNTAIN SPOUT HEIGHT



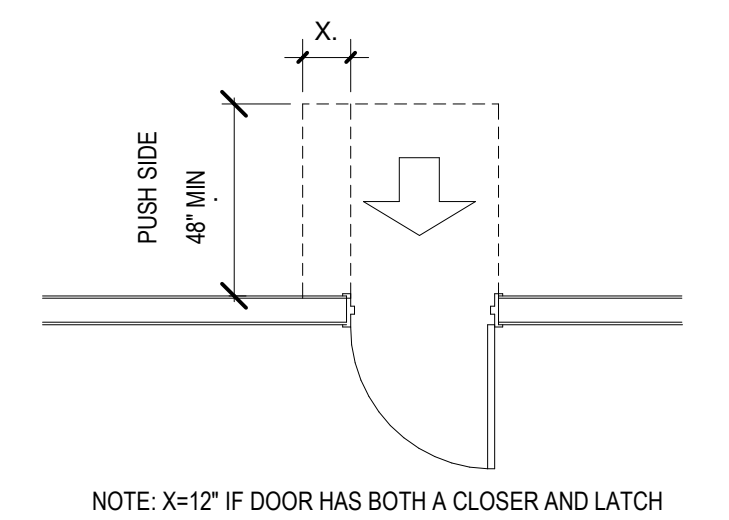
(A) FRONT APPROACHES - SWINGING DOORS



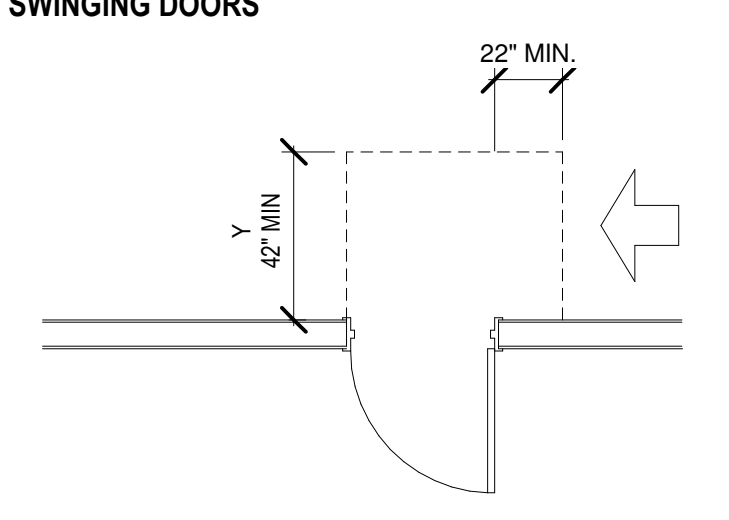
(B) HINGE SIDE APPROACHES - SWINGING DOORS



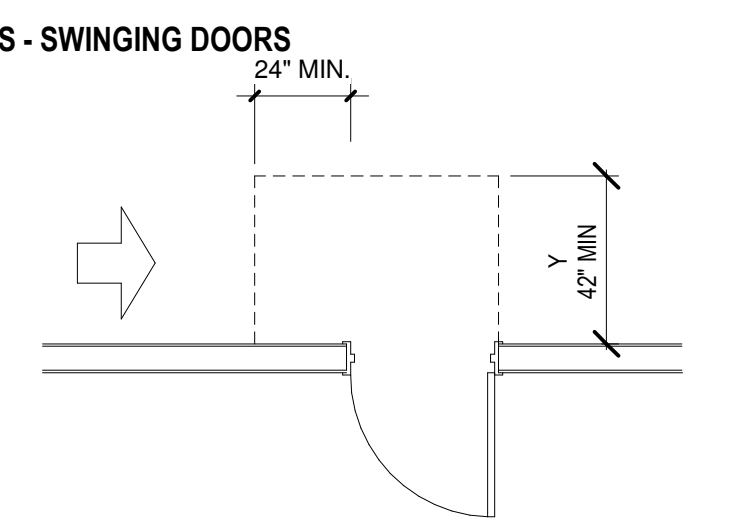
(C) LATCH SIDE APPROACHES - SWINGING DOORS



NOTE: X=12" IF DOOR HAS BOTH A CLOSER AND A LATCH



NOTE: Y=48" MINIMUM IF DOOR HAS A CLOSER AND A LATCH



NOTE: Y=54" MINIMUM IF DOOR HAS CLOSER

NOTE: Y=48" MIN. IF DOOR HAS CLOSER



GENERAL SHEET NOTES

- A. ASBESTOS ABATEMENT TO BE PROVIDED BY OWNER. CONTRACTOR TO COORDINATE SCHEDULING WITH OWNER PRIOR TO COMMENCEMENT OF WORK. COORDINATE ABATEMENT WITH CONSTRUCTION PHASING. ABATEMENT FOR EACH PHASE MUST BE COMPLETED IN THE AREA PRIOR TO CONSTRUCTION.
- B. SCHOOL TO REMAIN FULLY FUNCTIONAL DURING OPERATIONAL DATES AND HOURS AS SET BY THE DISTRICT.
- C. REFER TO CONTRACT DOCUMENTS FOR SCOPE OF WORK TO BE COMPLETED FOR EACH PHASE.
- D. PHASING PLANS ARE FOR ILLUSTRATION PURPOSE ONLY TO SHOW EXTENT OF WORK TO BE COMPLETED AT EACH PHASE.
- E. CONTRACTOR SHALL BECOME FAMILIAR WITH THE SITE TO OBTAIN AN UNDERSTANDING OF EXISTING CONDITIONS BOTH ON SITE AND ADJACENT TO THE SITE THAT WILL AFFECT SCHEDULING OF WORK INCLUDING DEMOLITION AND REMOVAL OF DEBRIS. ANY QUESTIONS OR DISCREPANCIES SHALL BE BROUGHT TO THE ARCHITECTS ATTENTION IMMEDIATELY.
- F. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFETY MEASURES TO PROTECT PEDESTRIANS, VEHICLES, AND ALL EXISTING IMPROVEMENTS TO REMAIN.
- G. CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT UTILITIES TO REMAINING BUILDINGS ADJACENT TO THE SITE REMAIN OPERATIONAL. IF UTILITIES TO ADJACENT BUILDINGS ARE AFFECTED, THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE TIMING AND DURATION WITH THE OWNER.
- H. CONTRACTORS SHALL TAKE NECESSARY MEASURES AND PRECAUTIONS TO KEEP THE EXISTING BUILDING SECURE, SAFE, AND CLEAN. SAFETY & PROTECTION OF STUDENTS & USERS IS VERY IMPORTANT. HENCE FENCES & BARRICADES SHALL PROVIDE TOTAL PROTECTION, PROHIBITING ANY ACCESS TO CONSTRUCTION AREAS TO PEOPLE OTHER THAN AUTHORIZED CONSTRUCTION RELATED PERSONNEL.
- I. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE SEQUENCE OF CONSTRUCTION AND FURNISHING AND INSTALLING ALL NECESSARY ITEMS TO KEEP THE PROJECT SITE SAFE AND SECURE.
- J. EXISTING ITEMS TO REMAIN, SHALL BE PROTECTED AND REMAIN FUNCTIONAL DURING CONSTRUCTION. ANY DAMAGE TO EXISTING ITEMS TO REMAIN, DUE TO CONSTRUCTION, SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.
- K. CONTRACTOR TO COORDINATE WITH OWNER FOR ALLOWABLE STAGING AREAS DURING CONSTRUCTION.

NOISE CONTROL

CONTRACTOR SHALL MAINTAIN A NOISE CONTROL PROGRAM BY SCHEDULING LOUD NOISE GENERATING ACTIVITIES DURING AFTER SCHOOL HOURS OR WITHIN LIMITED PERIODS WHEN SCHOOL IS IN SESSION. COORDINATE THESE ACTIVITIES WITH OWNER ESPECIALLY WHEN TESTING PERIOD IS ONGOING AT NO COST TO THE OWNER.

CONSTRUCTION COMPLETION

ALL RENOVATIONS, BUILDING ADDITIONS, AND SITE WORK MUST BE COMPLETED ON OR BEFORE THE COMPLETION DATES ESTABLISHED IN THE CONTRACT DOCUMENTS AND IN ACCORDANCE WITH PARTIAL COMPLETION DATES ESTABLISHED IN THE PHASING PLAN. PARTIAL SUBSTANTIAL COMPLETION AND LIQUIDATED DAMAGES: CONTRACTOR SHALL FOLLOW AND COMPLETE REQUIRED PARTIAL SUBSTANTIAL COMPLETION IN ACCORDANCE WITH THIS PHASING AND SEQUENCING PLAN. OWNER RESERVES THE RIGHT TO ASSESS LIQUIDATED DAMAGES OF EACH AND EVERY PHASE OF WORK THAT GETS DELAYED AND IS NOT COMPLETE IN ACCORDANCE WITH THIS PHASING SCENARIO. CONTRACTOR IS ADVISED TO VISIT THE JOB SITE TO BECOME FAMILIAR WITH THE SCOPE OF WORK PRIOR TO BIDDING AND MUST INCLUDE ALL COSTS NECESSARY TO COMPLETE THE PROJECT ON TIME AND AS INDICATED. TIME FOR INDIVIDUAL CONSTRUCTION PHASE AND THE OVERALL CONSTRUCTION TIME IDENTIFIED IN THE CONTRACT TAKES INTO ACCOUNT ANTICIPATED DELAYS ASSOCIATED WITH INCLEMENT WEATHER AND/OR CHANGES TO THE SCOPE OF WORK DURING CONSTRUCTION. HENCE TIME EXTENSION REQUESTS MAY ONLY BE CONSIDERED FOR EXTENUATING CIRCUMSTANCES. TEMPORARY CERTIFICATE OF OCCUPANCY TO BE PROVIDED AT THE COMPLETION OF EVERY PHASE OF THE PROJECT. FIRE ALARM TO REMAIN OPERATIONAL THROUGHOUT THE DURATION OF THE ENTIRE PROJECT. FIRE ALARM SUPPRESSION DRAWINGS TO BE SUBMITTED TO SFMO PER PHASE.

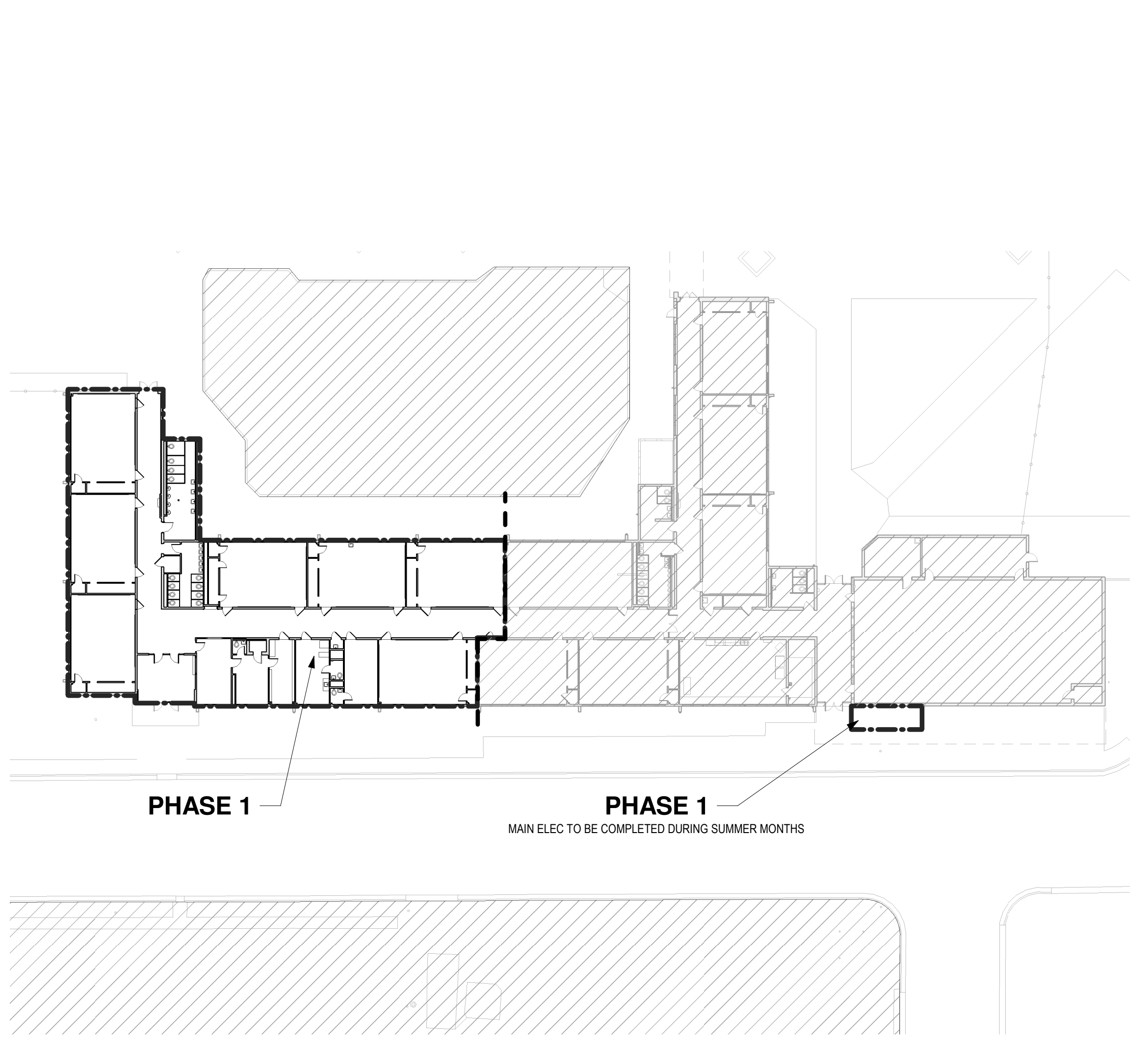
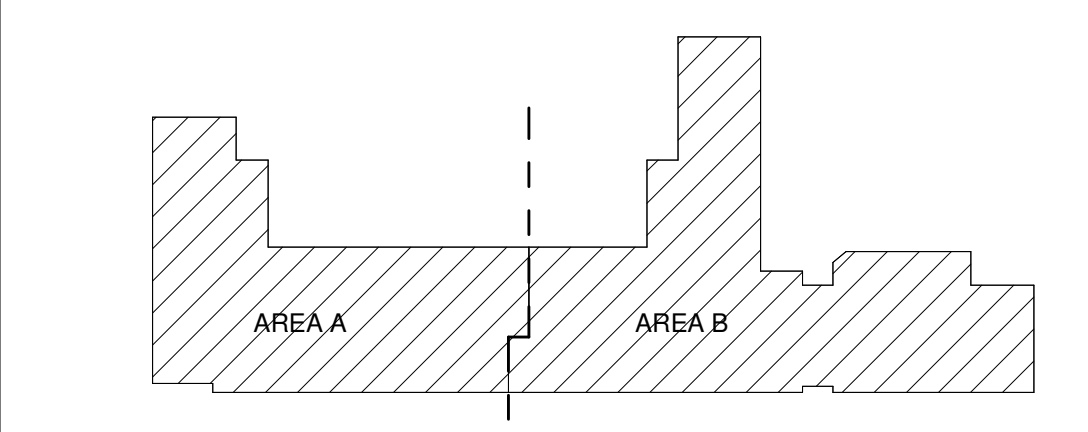
STAGING & FENCING

CONTRACTOR TO COORDINATE FENCING, STAGING AND PARKING LOCATIONS WITH OWNER PRIOR TO CONSTRUCTION OF EACH PHASE. DRAWINGS INDICATE GENERAL UNDERSTANDING OF STAGING AND FENCING.

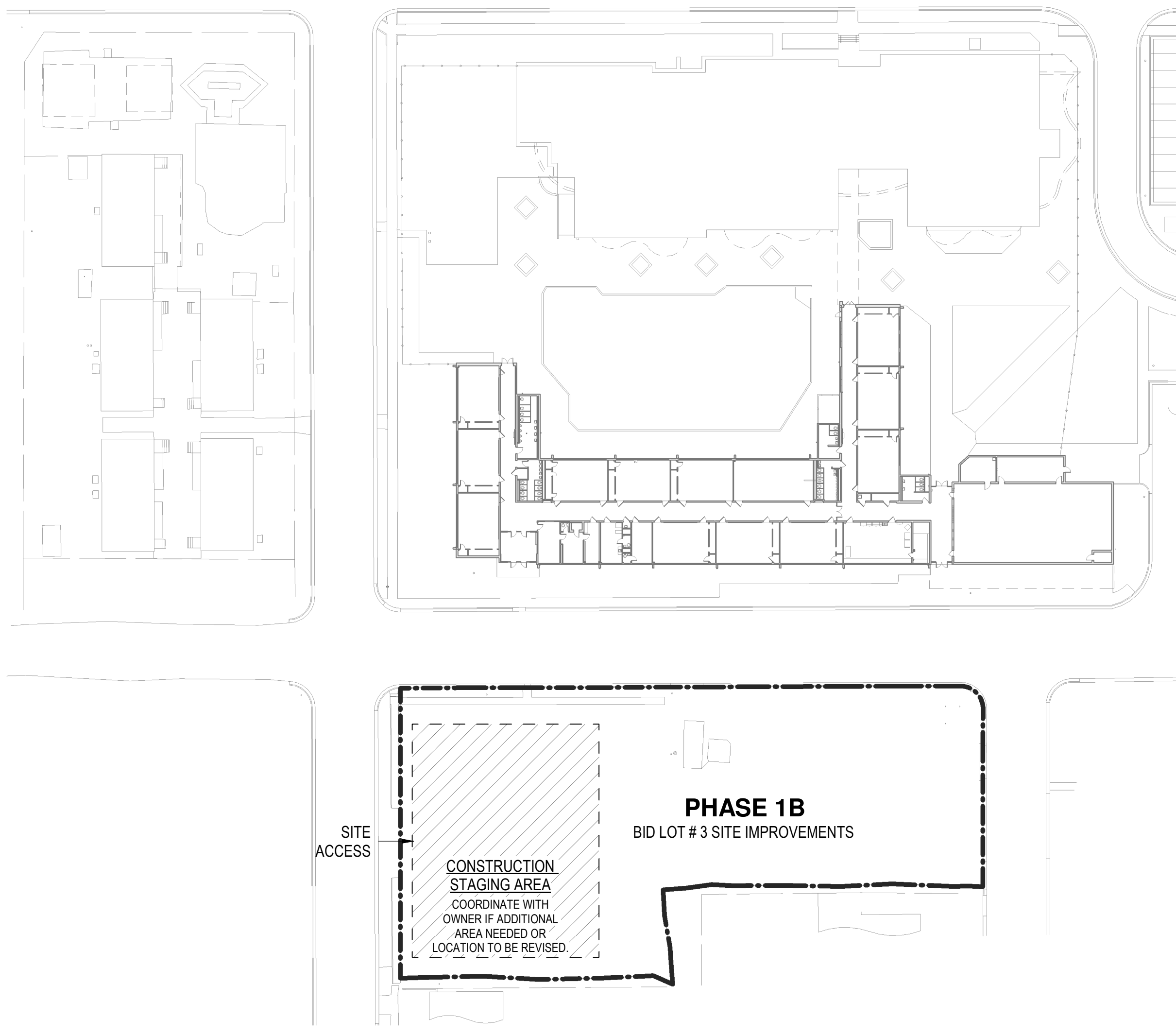
LEGEND

- WORK AREA
- COMPLETED PHASE
- EXISTING TO REMAIN

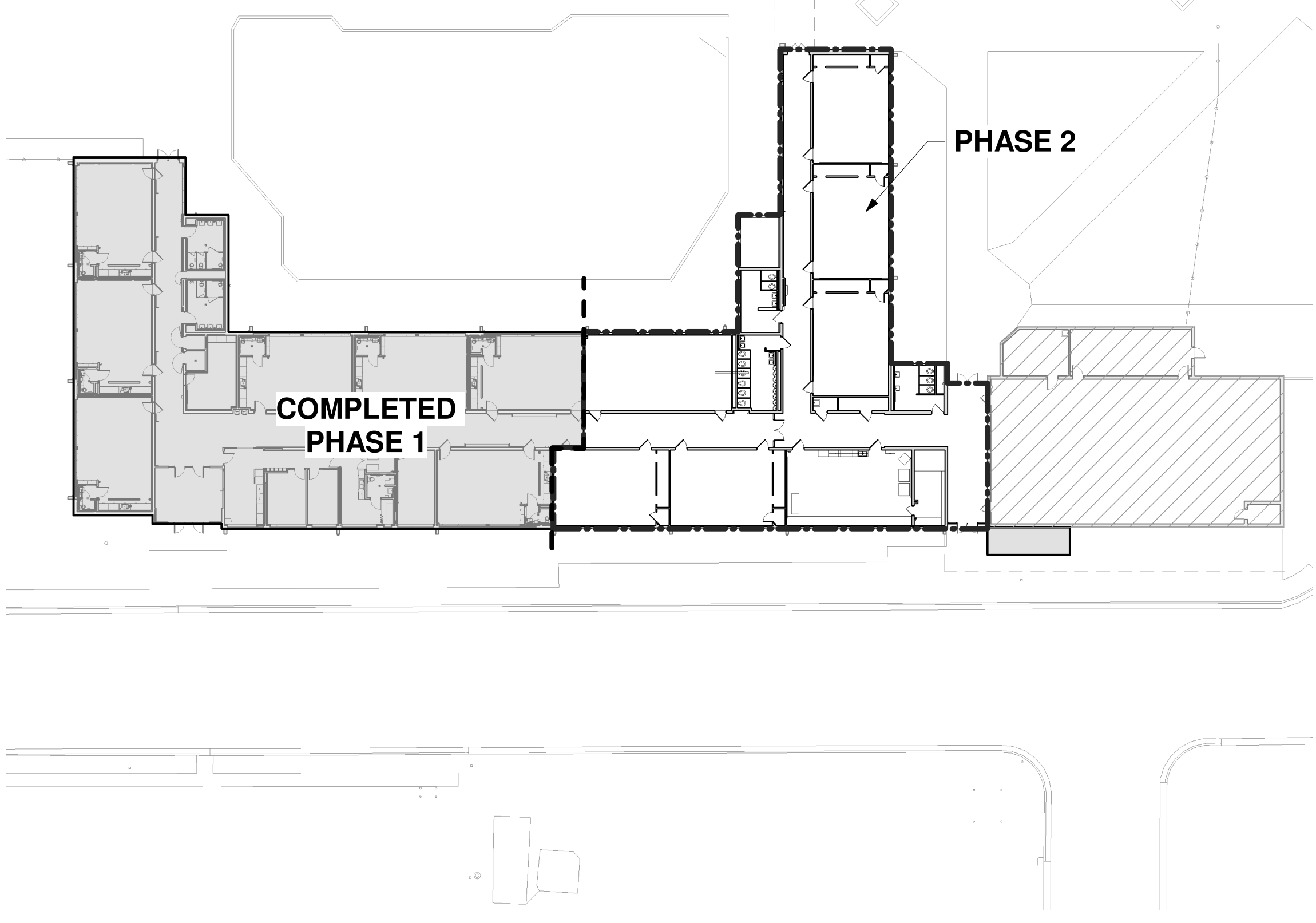
KEY PLAN



**PHASE 1 - JUNE 1 - DECEMBER 31, 2020**  
ALL AREAS OF SCHOOL TO REMAIN OPERATIONAL WITH THE EXCEPTION OF PHASE 1 WORK AREA. ONCE NTP IS ISSUED, PRECONSTRUCTION SERVICES CAN BEGIN WITH ON-SITE WORK STARTING ON JUNE 1ST. GENERAL CONTRACTOR WILL HAVE ACCESS TO THE ENTIRE FACILITY/CAMPUS DURING SUMMER BREAK. EXACT DATES TO BE CONFIRMED WITH DISTRICT. PARTIAL SUBSTANTIAL COMPLETION & TEMPORARY CERTIFICATE OF OCCUPANCY FOR PHASE 1 TO BE ACHIEVED BY DECEMBER 31ST, 2020.



**PHASE 1B - CONTRACTOR TO COORDINATE CONSTRUCTION DATES W/ OWNER**  
GENERAL CONTRACTOR CAN USE INDICATED AREA FOR STAGING & JOB SITE TRAILER. THE REMAINING PARKING TO REMAIN USABLE FOR STAFF PARKING. GENERAL CONTRACTOR TO DETERMINE SCHEDULE FOR PHASE 1B AND COORDINATE WITH THE DISTRICT. RELOCATE STAGING AREA & JOB SITE TRAILER AS REQUIRED.

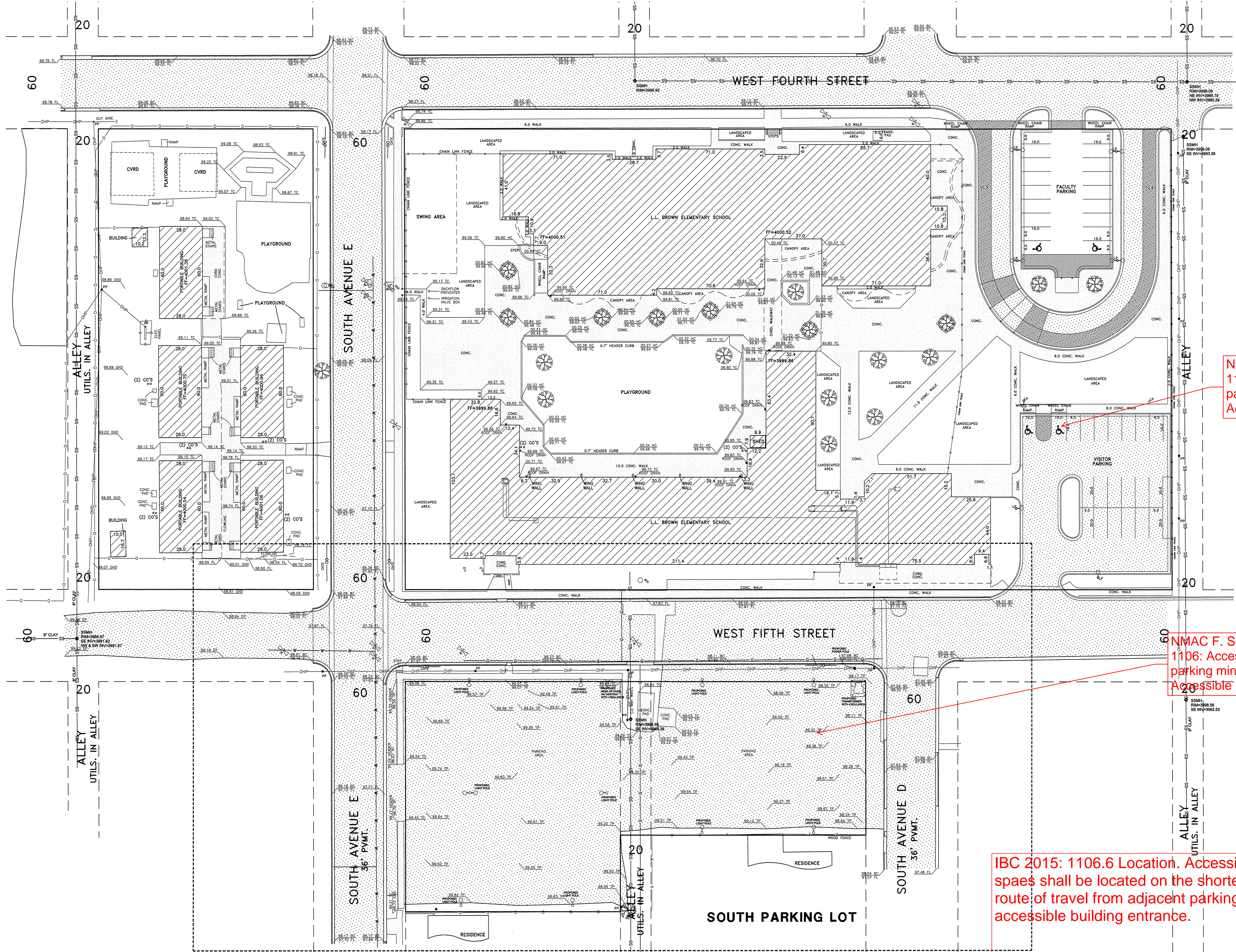
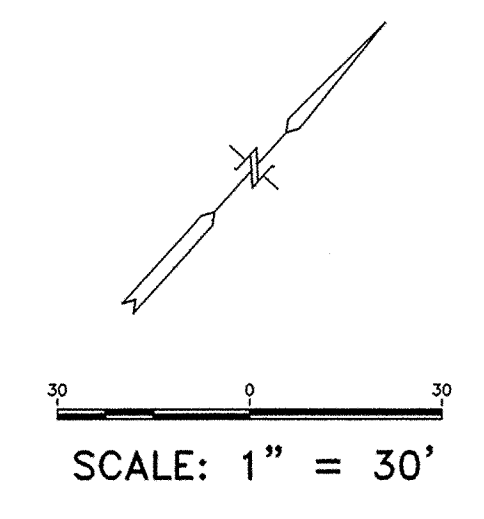


**PHASE 2 - JANUARY 1 - JUNE 3, 2021**  
ALL AREAS OF SCHOOL TO REMAIN OPERATIONAL WITH THE EXCEPTION OF PHASE 2 WORK AREA. SUBSTANTIAL COMPLETION & CERTIFICATE OF OCCUPANCY FOR ENTIRE PROJECT TO BE ACHIEVED BY JUNE 3RD, 2021.

Portales Brown Early Childhood Center, Project #S20-008, PSFCC FUNDED



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130



NMAC F. Section 1106: Accessible parking min. "Van Accessible" space

NMAC F. Section 1106: Accessible parking min. "Van Accessible" space

IBC 2015: 1106.6 Location. Accessible parking spaces shall be located on the shortest accessible route of travel from adjacent parking to an accessible building entrance.

CONSTRUCTION DOCUMENTS

REVISIONS	
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△	
△	
△	
△	
△	
△	

DRAWN BY	JP
REVIEWED BY	RCL
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-001
PSFA SYSTEMS PROJECT NO:	S-20-008

DRAWING NAME  
EXISTING SITE SURVEY  
SOUTH PARKING LOT



Brown Early Childhood Center  
Old Wing Renovation  
520 W 5th St, Portales, NM 88130

CONSTRUCTION DOCUMENTS

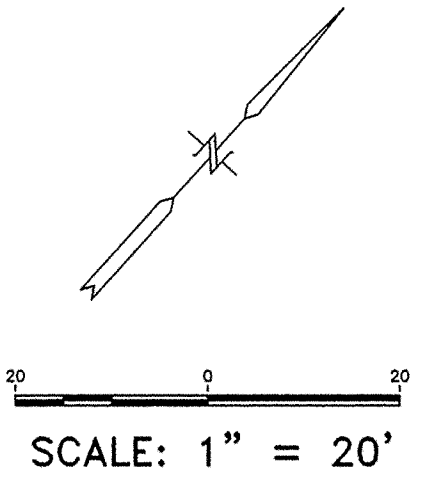
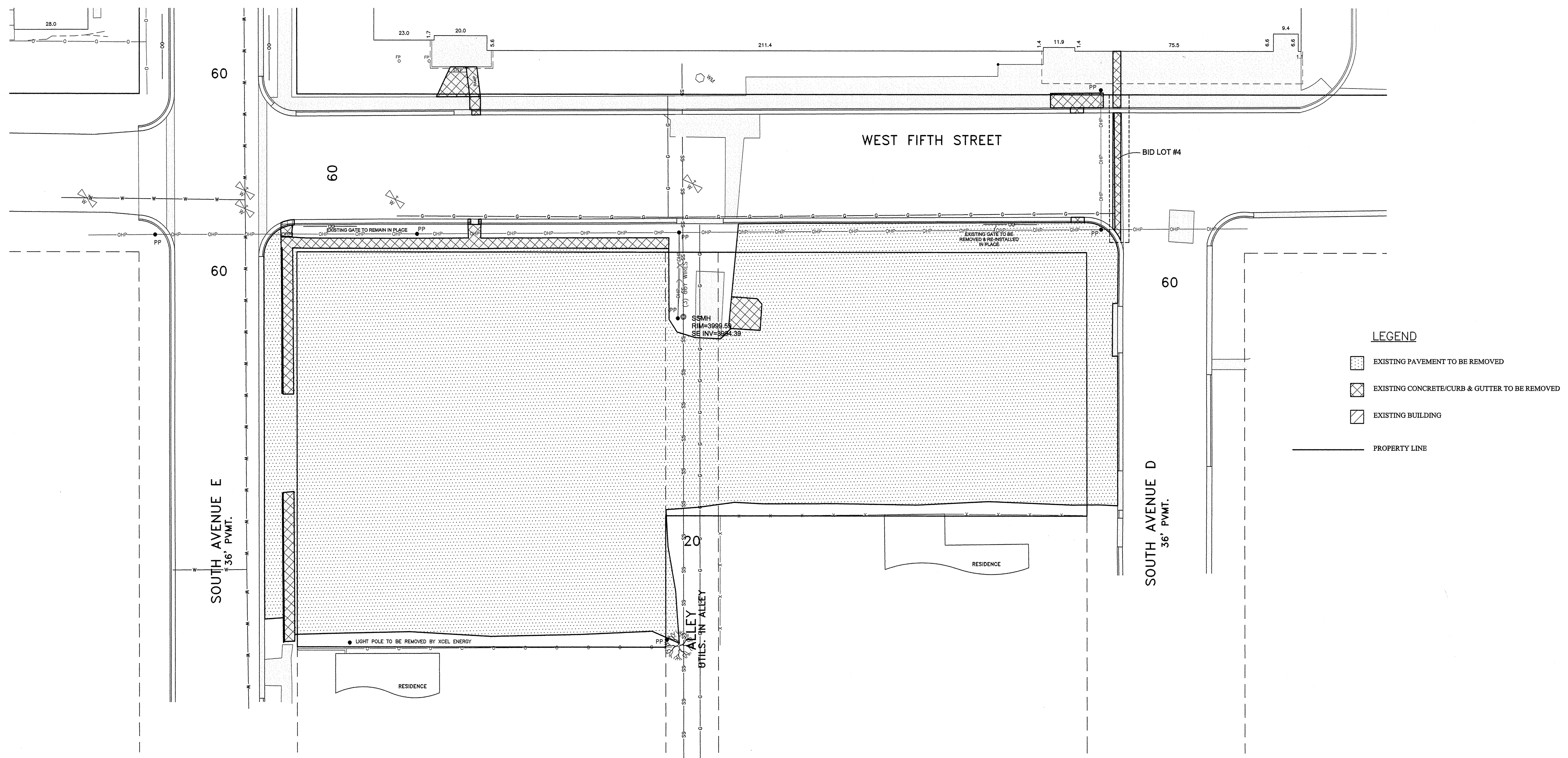
REVISIONS

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DRAWN BY	JP
REVIEWED BY	RCL
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-001
PSFA SYSTEMS PROJECT NO:	S-20-008

DRAWING NAME  
DEMOLITION PLAN  
SOUTH PARKING  
LOT - BID LOT #3

SHEET NO  
CD-101



FOR CONTRACTOR'S INFORMATION ONLY

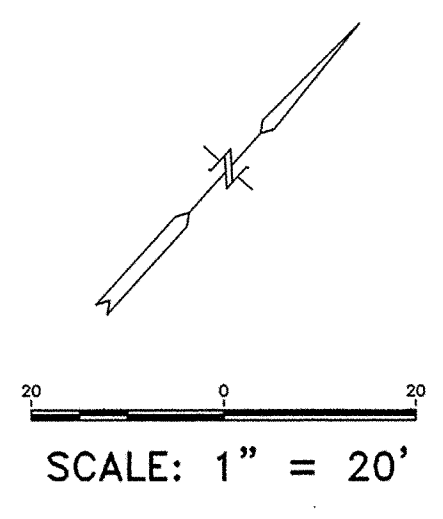
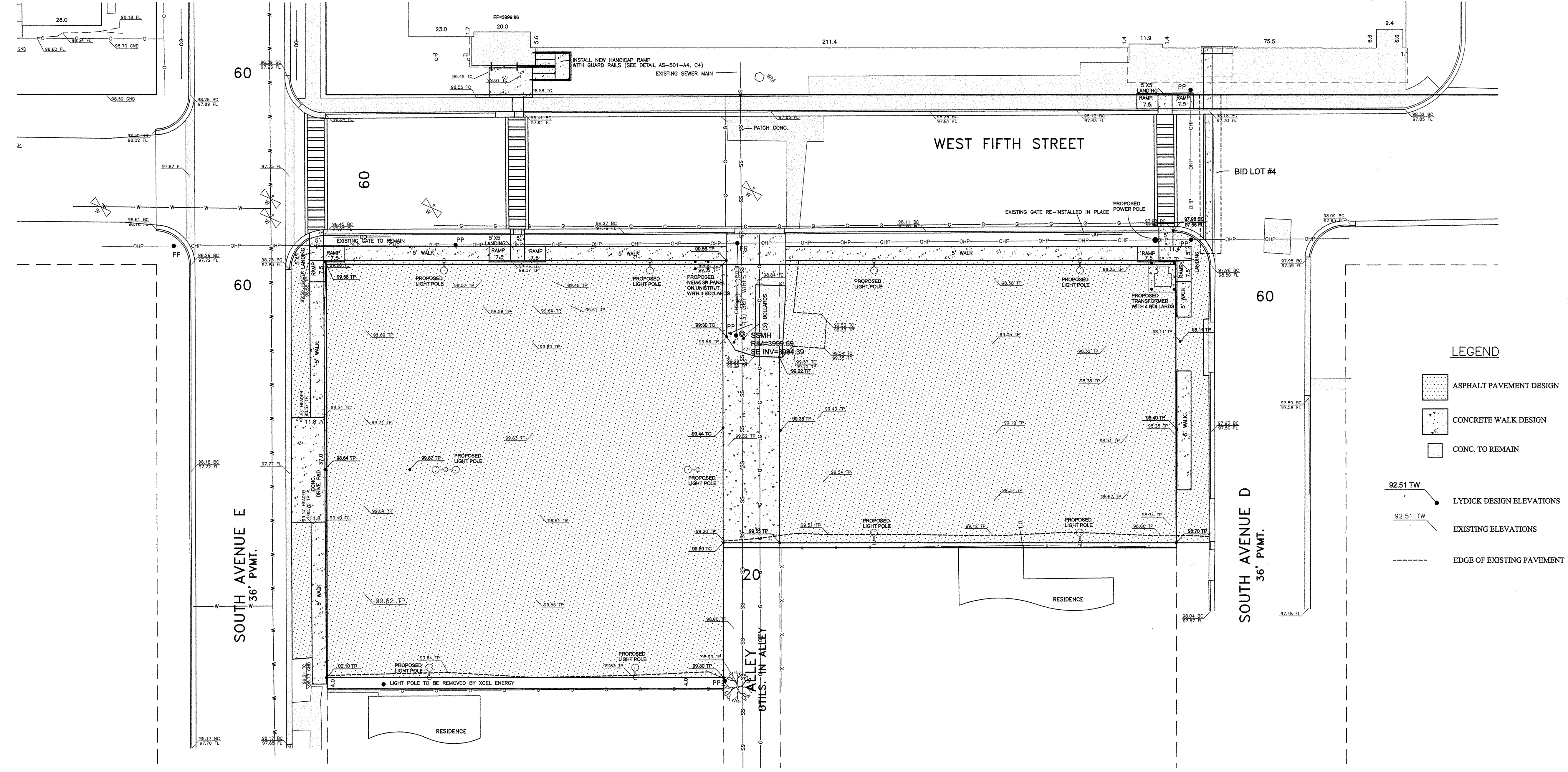
APPROXIMATE REMOVAL QUANTITIES  
FOR REFERENCE ONLY  
CONTRACTOR TO VERIFY PRIOR TO BID

DESCRIPTION	QUANTITY
EXISTING ASPHALT PAVEMENT	4338.00 SY
EXISTING CONCRETE PAVEMENT	29.00 SY
EXISTING CURB & GUTTER	22.00 LF
EXISTING CONCRETE WALKS	155.00 SY
EXISTING HEADER CURB	112.00 LF

Portales Brown Early Childhood Center, Project #S20-008, PSCOC FUNDED



NOTE:  
ALL CROSSWALK STRIPING IS A PART BID LOT #4



**FOR CONTRACTOR'S INFORMATION ONLY**

APPROXIMATE DESIGN QUANTITIES FOR REFERENCE ONLY	
DESCRIPTION	
MILL LIGHT DUTY ASPHALT PAVEMENT (SEE SHEET C-501 FOR DETAIL)	3873.00 SY
6" BASE COURSE	96.00 SY
SUBGRADE PREP.	3969.00 SY
PMBP - 2" DEPTH	3969.00 SY
4" CONC. WALK (SEE SHEET C-501 FOR DETAIL)	308.00 SY
6" CONC. DRIVE PAD (SEE SHEET C-501 FOR DETAIL)	49.00 SY
6" HEADER CURB @ HANDICAPPED RAMPS (SEE SHEET C-502 FOR DETAIL)	75.00 LF
HANDICAPPED RAMPS (SEE SHEET C-502 FOR DETAIL)	5.0 EA
PARKING STALL STRIPING - 4" YELLOW	3796.00 LF
CROSSWALK STRIPING - 12" WHITE	447.00 LF
BOLLARDS	11.00 EA
6" CONC. PAVEMENT (SEE SHEET C-501 FOR DETAIL)	227.00 SY
PARKING BLOCKS (SEE SHEET C-501 FOR DETAIL)	65.00 EA
ADA BOLLARDS WITH HANDICAP PARKING SIGN (11'X11') (SEE SHEET C-501)	3.00 EA

NOTE:  
1. REFER TO ELECTRICAL PLANS FOR LAYOUT OF LIGHT POLES AND TRANSFORMER.

CONSTRUCTION DOCUMENTS

REVISIONS

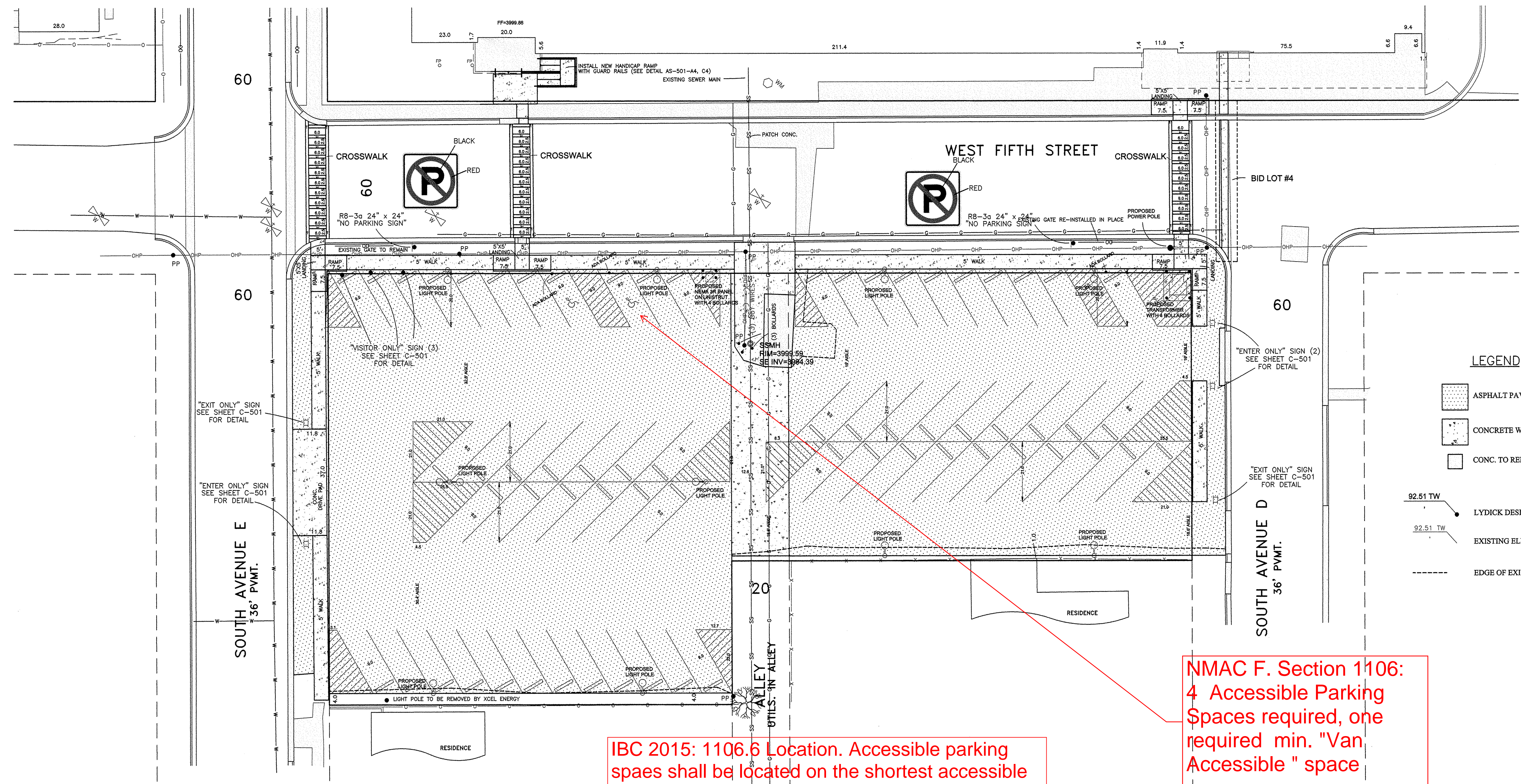
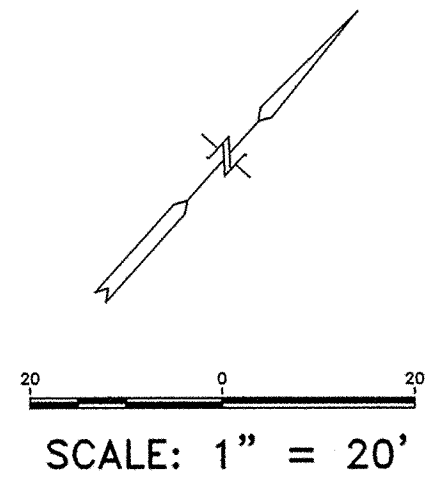
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DRAWN BY: JP  
REVIEWED BY: RCL  
DATE: 12/10/2019  
PROJECT NO: 18-0032  
PSFA PRE-K PROJECT NO: K-18-001  
PSFA SYSTEMS PROJECT NO: S-20-008

DRAWING NAME  
GRADING PLAN  
SOUTH PARKING  
LOT - BID LOT #3



NOTE:  
ALL CROSSWALK STRIPING IS A PART BID LOT #4



**LEGEND**

- ASPHALT PAVEMENT DESIGN
- CONCRETE WALK DESIGN
- CONC. TO REMAIN
- LYDICK DESIGN ELEVATIONS
- EXISTING ELEVATIONS
- EDGE OF EXISTING PAVEMENT

IBC 2015: 1106.6 Location. Accessible parking spaces shall be located on the shortest accessible route of travel from adjacent parking to an accessible building entrance.

NMAC F. Section 1106:  
4 Accessible Parking Spaces required, one required min. "Van Accessible" space

NOTES:  
1. TOTAL NUMBER OF PARKING SPACES - 65 INCLUDING 3 HANDICAPPED SPACES

NOTES:  
1. REFER TO ELECTRICAL PLANS FOR LAYOUT OF LIGHT POLES AND TRANSFORMER.  
2. ALL TRAFFIC SIGNS & POSTS REFER TO SECTION 701 NMDOT STANDARD SPECIFICATIONS FOR HIGHWAY & BRIDGE CONSTRUCTION 2019.

CONSTRUCTION DOCUMENTS

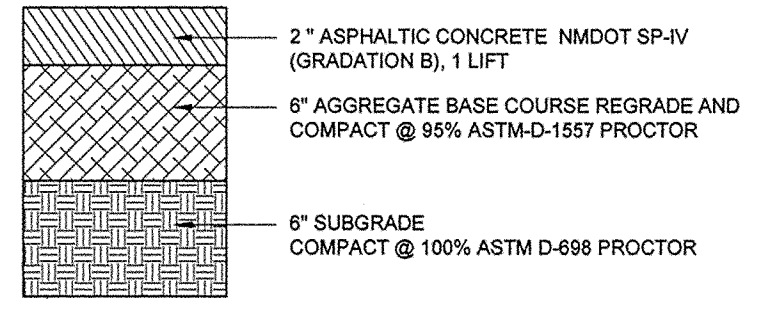
REVISIONS


DRAWN BY	JP
REVIEWED BY	RCL
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-001
PSFA SYSTEMS PROJECT NO:	S-20-008

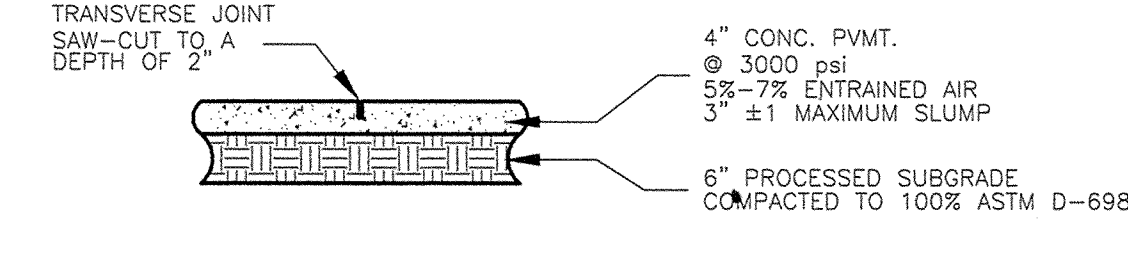
DRAWING NAME  
STRIPING & SIGNAGE PLAN  
SOUTH PARKING LOT - BID LOT #3

SHEET NO  
C-102

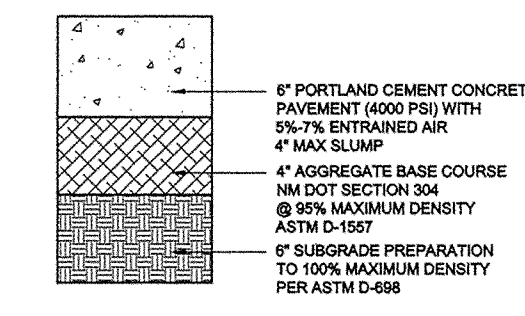




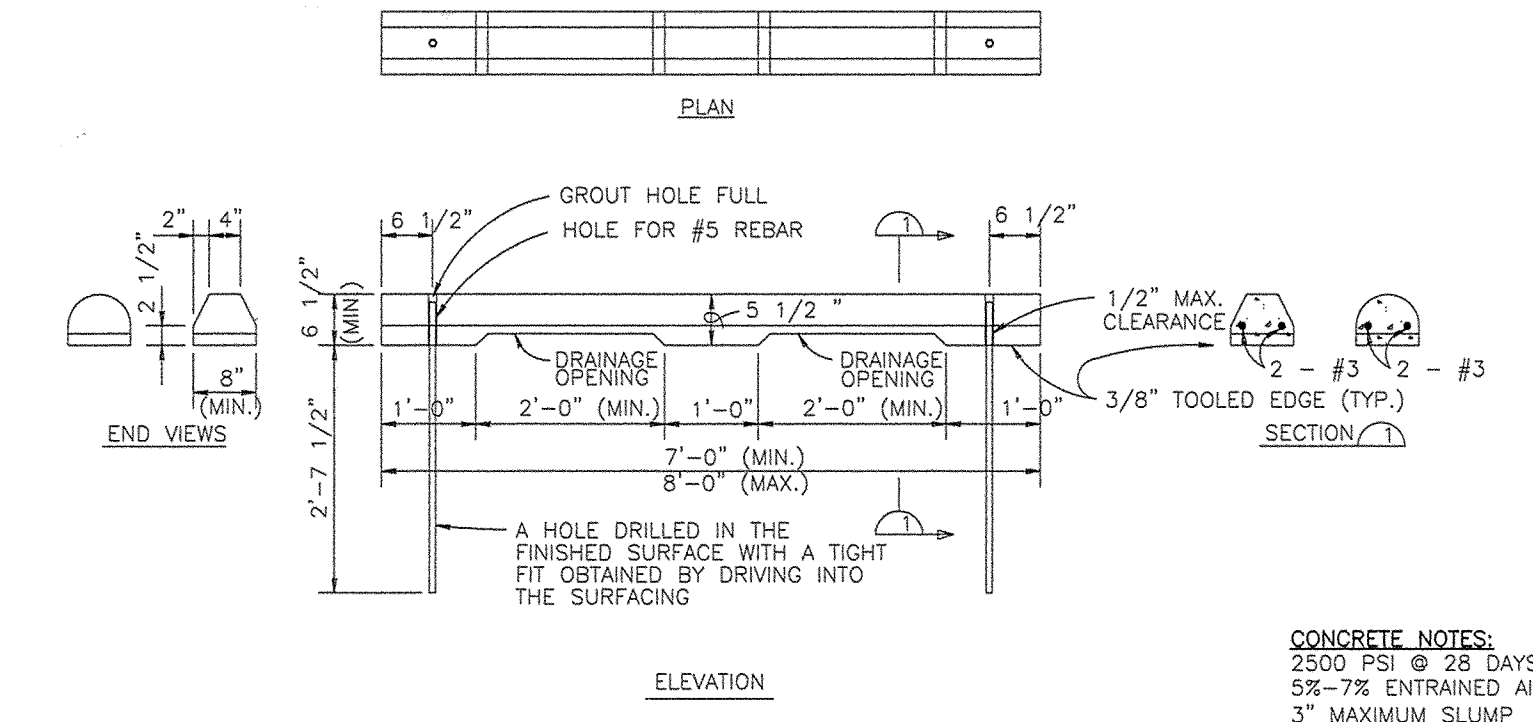
C1 LIGHT DUTY ASPHALT PAVEMENT SECTION



C2 4" PEDESTRIAN SIDEWALK CONCRETE PAVEMENT



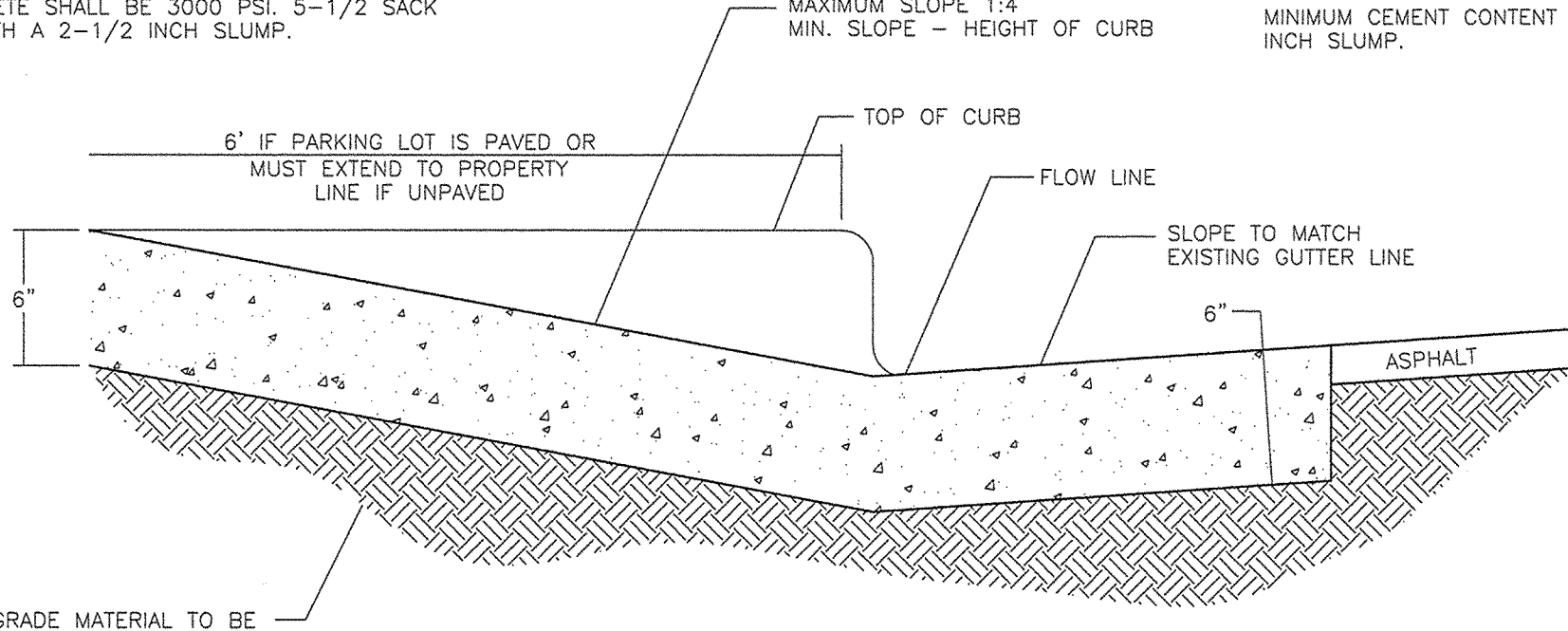
C3 LIGHT DUTY REINFORCED 6" CONCRETE SECTION



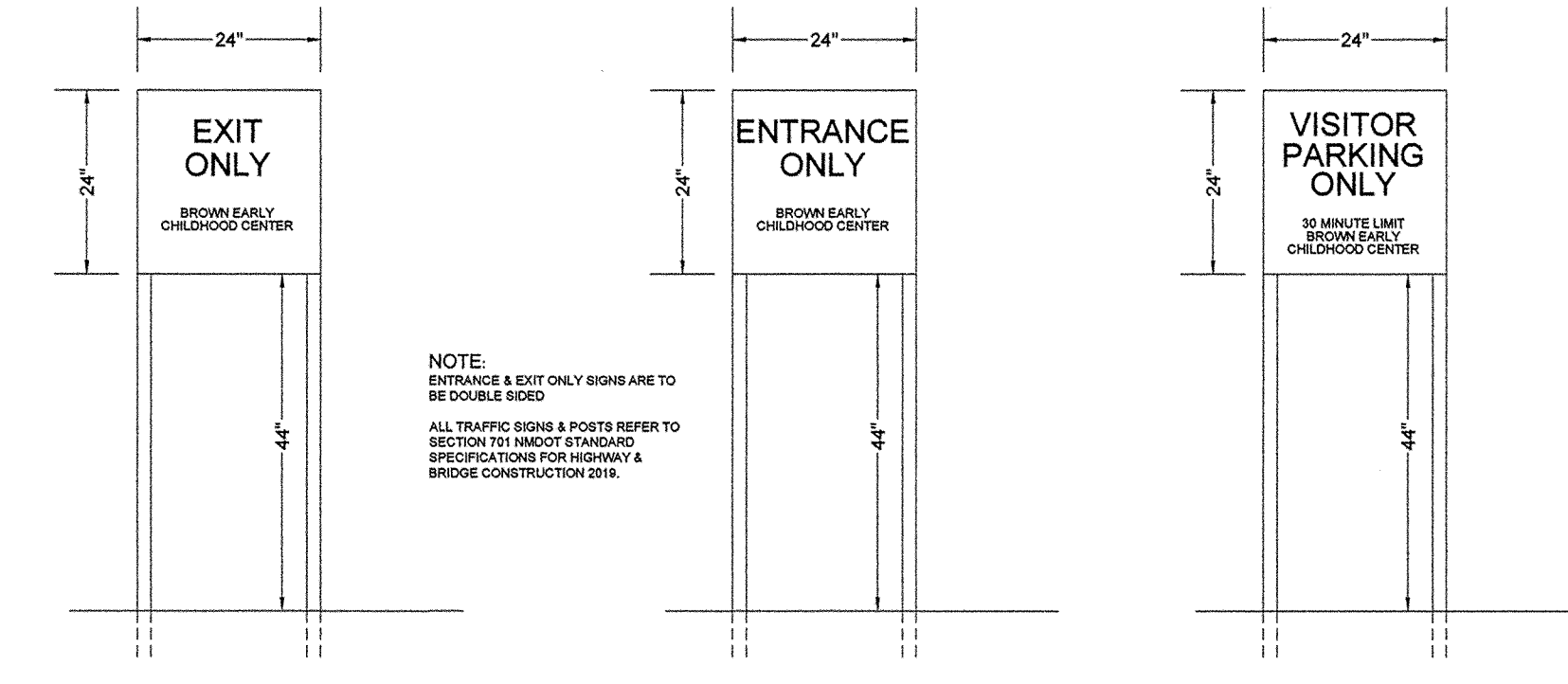
CONCRETE NOTES:  
2500 PSI @ 28 DAYS  
5%-7% ENTRAINED AIR  
3" MAXIMUM SLUMP  
SIZE #57 AGGREGATE

C4 PRECAST CONCRETE WHEEL STOP

- NOTE:
- IF THE EXISTING ASPHALT PAVEMENT, CONCRETE CURB AND GUTTER OR CONCRETE SIDEWALKS ARE DISTURBED BY SAME CONTRACTOR DURING CONSTRUCTION THEN THE CONTRACTOR SHALL REPLACE AT HIS COST.
  - SUBGRADE MATERIAL TO BE SCARIFIED TO A DEPTH OF 6" WITH A COMPACTION OF 100% DENSITY, STANDARD PROCTOR.
  - CONCRETE SHALL BE 3000 PSI, 5-1/2 SACK MINIMUM CEMENT CONTENT MIX WITH A 2"x1" INCH SLUMP.

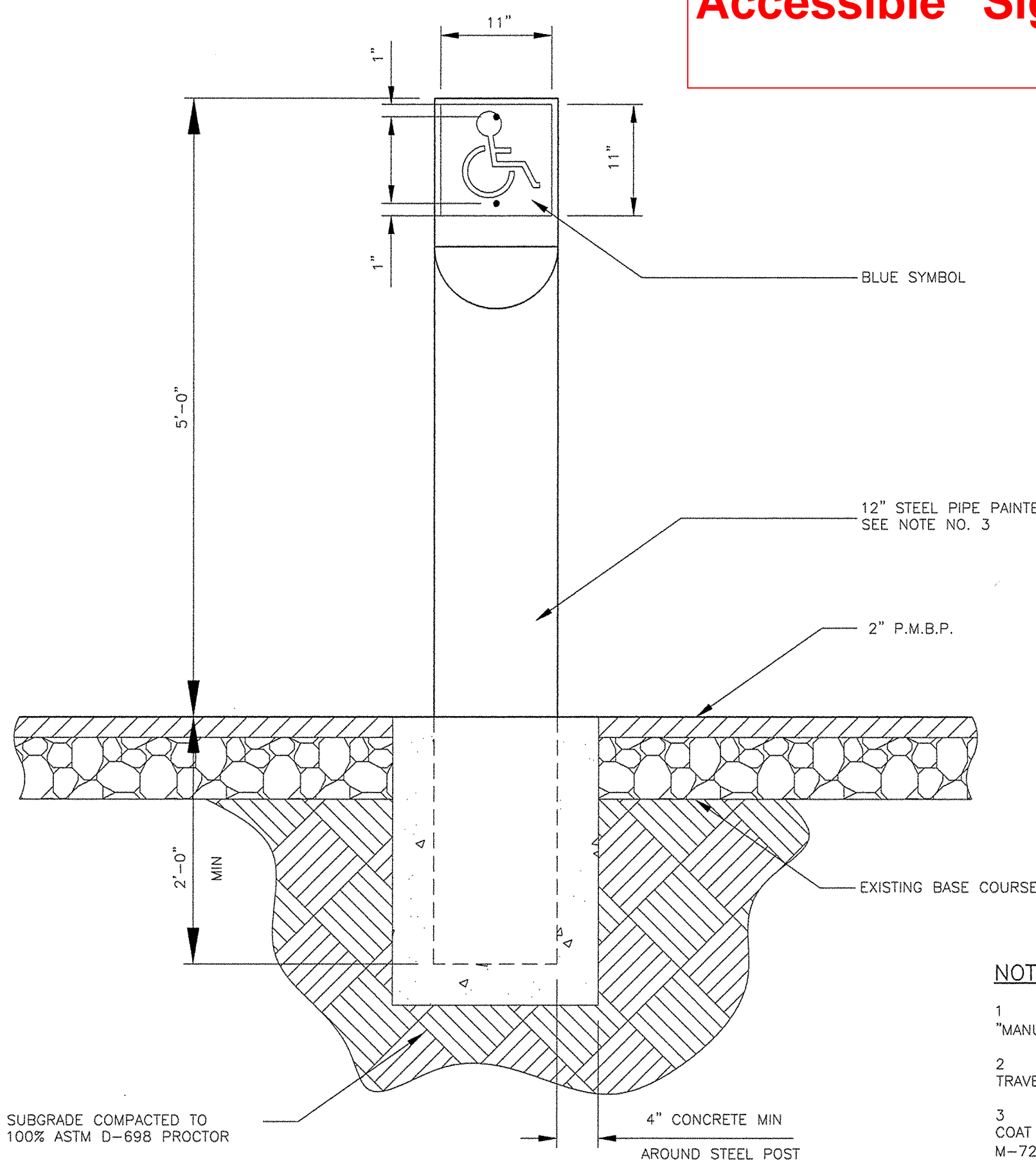


C5 6" CONCRETE DRIVE PAD DETAIL



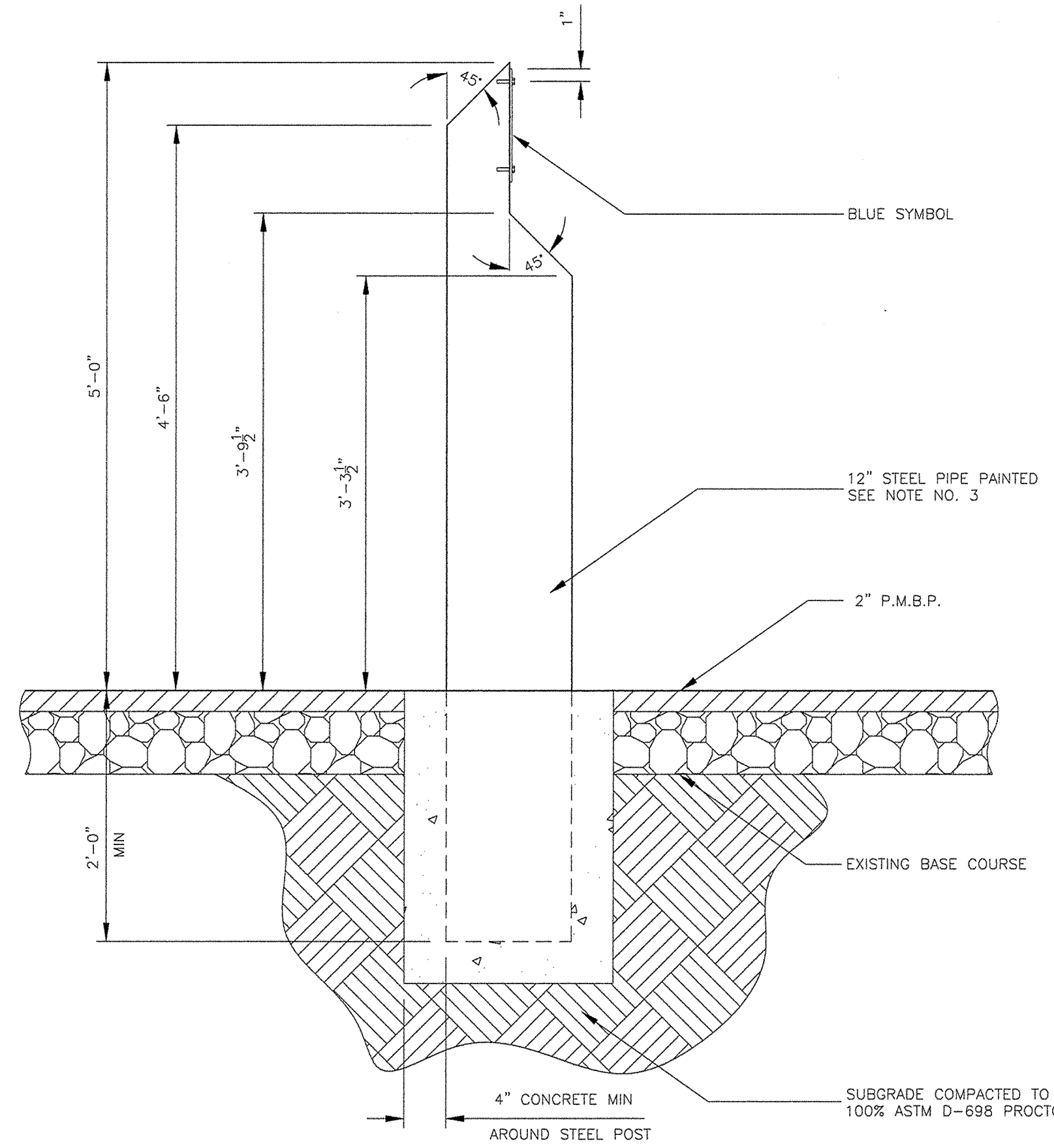
C6 SIGN DETAILS

ICC A117.1-2009  
502.7 Identification: "Van Accessible" Signage



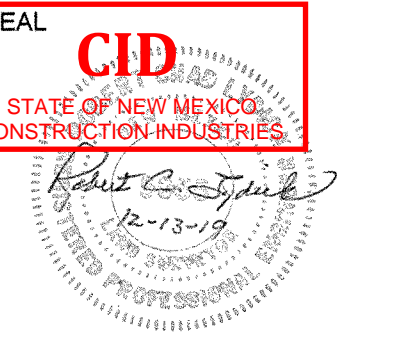
- NOTES:
- SIGN SHALL CONFORM TO THE STANDARDS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."
  - SIGNS SHALL BE DIRECTLY FACING THE LINE OF TRAVEL FOR THE VEHICLE ENTERING THE STALL.
  - STEEL SIGN POSTS ARE TO BE PAINTED WITH ONE COAT OF RED LEAD PRIMER CONFORMING TO A.A.S.H.T.O. M-72 (TYPE 1 OR TYPE 1) AND 2 COATS OF WHITE ALUMINUM PAINT (A.A.S.H.T.O. M-69).

C7 HANDICAP PARKING SIGN



DETAIL SIDE VIEW

NOTE:  
ALL WORK PART OF BID LOT #3 U.N.O.



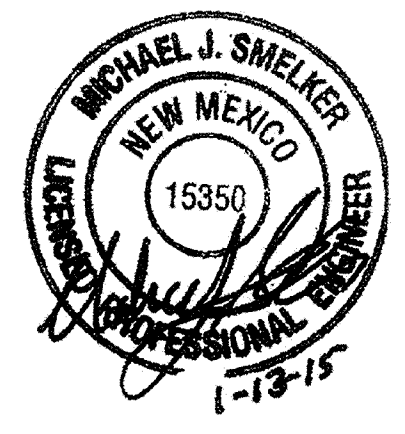
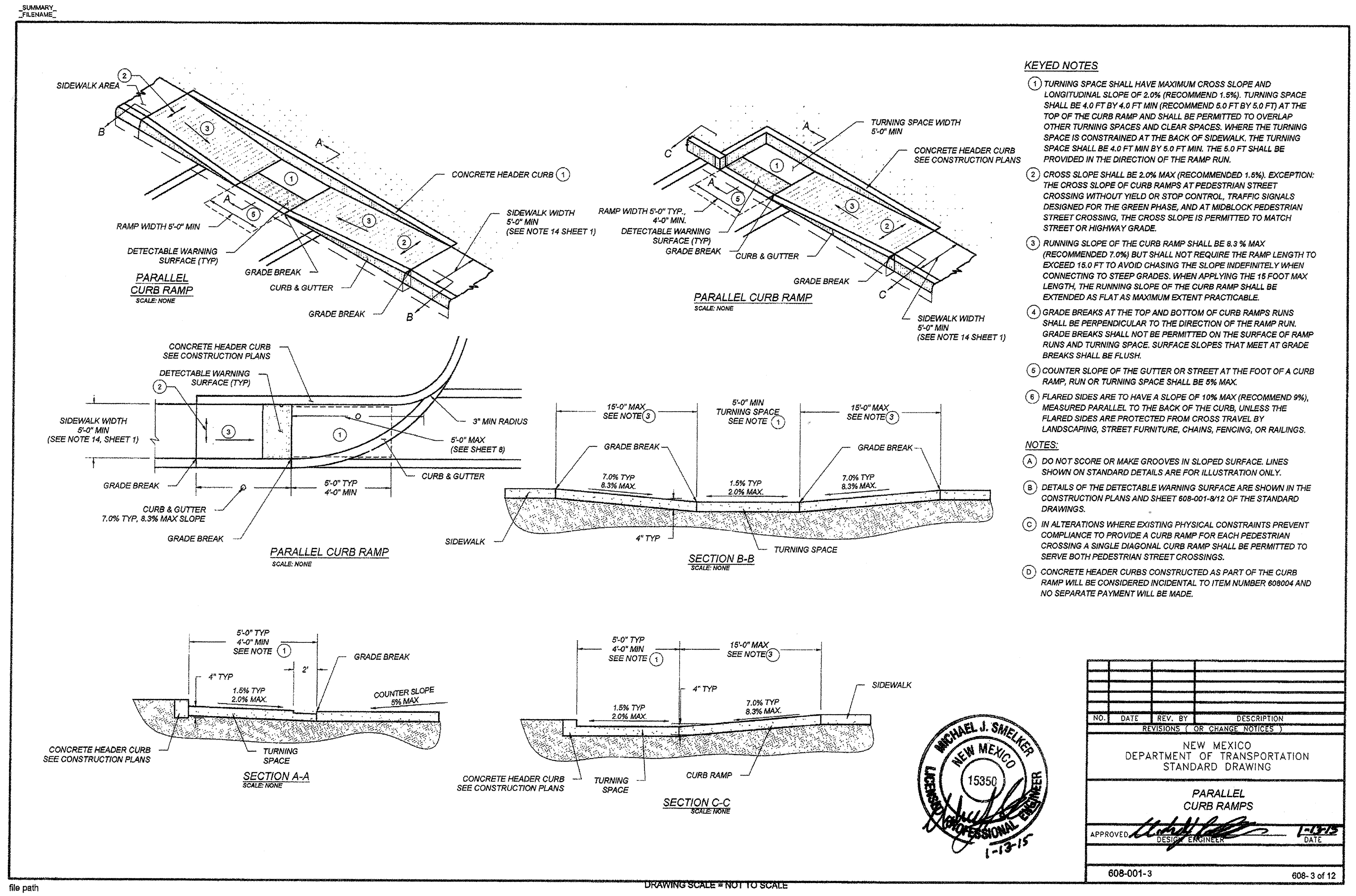
Brown Early Childhood Center  
Old Wing Renovation  
520 W 5th St, Portales, NM 88130

CONSTRUCTION DOCUMENTS

REVISIONS	

DRAWN BY	JP
REVIEWED BY	RCL
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-001
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	CIVIL DETAILS





NO.	DATE	REV. BY	DESCRIPTION
REVISIONS (OR CHANGE NOTICES)			
NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING			
PARALLEL CURB RAMPS			
APPROVED			DATE
608-001-3 608-3 of 12			

CONSTRUCTION DOCUMENTS

REVISIONS

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△	
△	
△	

DRAWN BY	JP
REVIEWED BY	RCL
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-001
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	HANDICAP RAMP DETAIL





PROJECT



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**GENERAL SHEET NOTES**

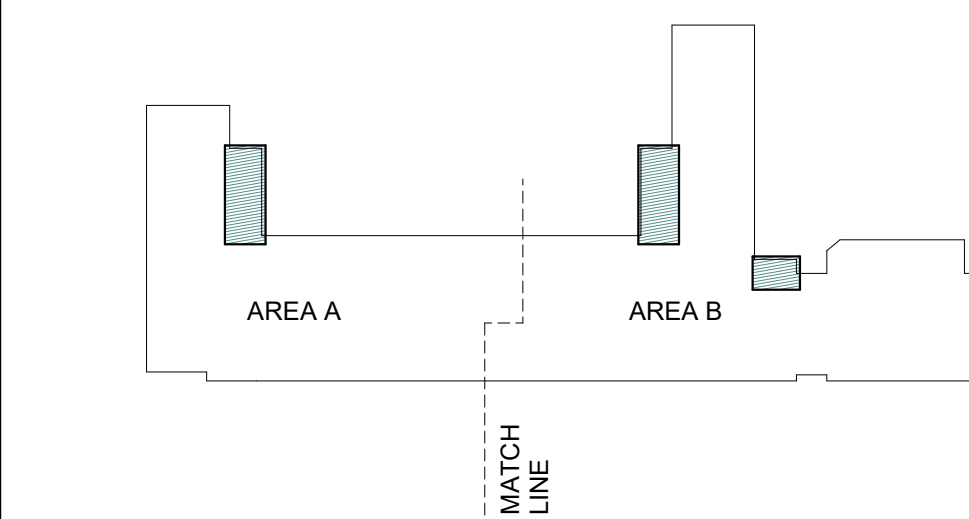
NOTE 'A'  
4" CONCRETE SLAB ON GRADE W/ #4 AT 20" OC EW ON 2" PLATED CHAIRS AT 40" OC EACH WAY OVER 15 MIL REINFORCED POLYETHYLENE VAPOR BARRIER AS SPECIFIED WITH FULLY TAPED JOINTS. VAPOR BARRIER TO BE PLACED DIRECTLY BENEATH THE SLAB OVER COMPACTED SUBGRADE. TYPICAL THROUGHOUT UNLESS NOTED OTHERWISE. CONTINUE REBAR THROUGH ALL SLAB JOINTS. THIS SLAB NOTE IS FOR INTERIOR BUILDING SLABS ONLY.  
SEE ARCH FOR DEPRESSED SLAB LOCATIONS

**REFERENCE KEYNOTES**

**LEGEND**

- EXISTING WALL TO REMAIN
- EXISTING TO REMAIN
- NEW CONSTRUCTION

**KEY PLAN**



**CONSTRUCTION DOCUMENTS**

**REVISIONS**

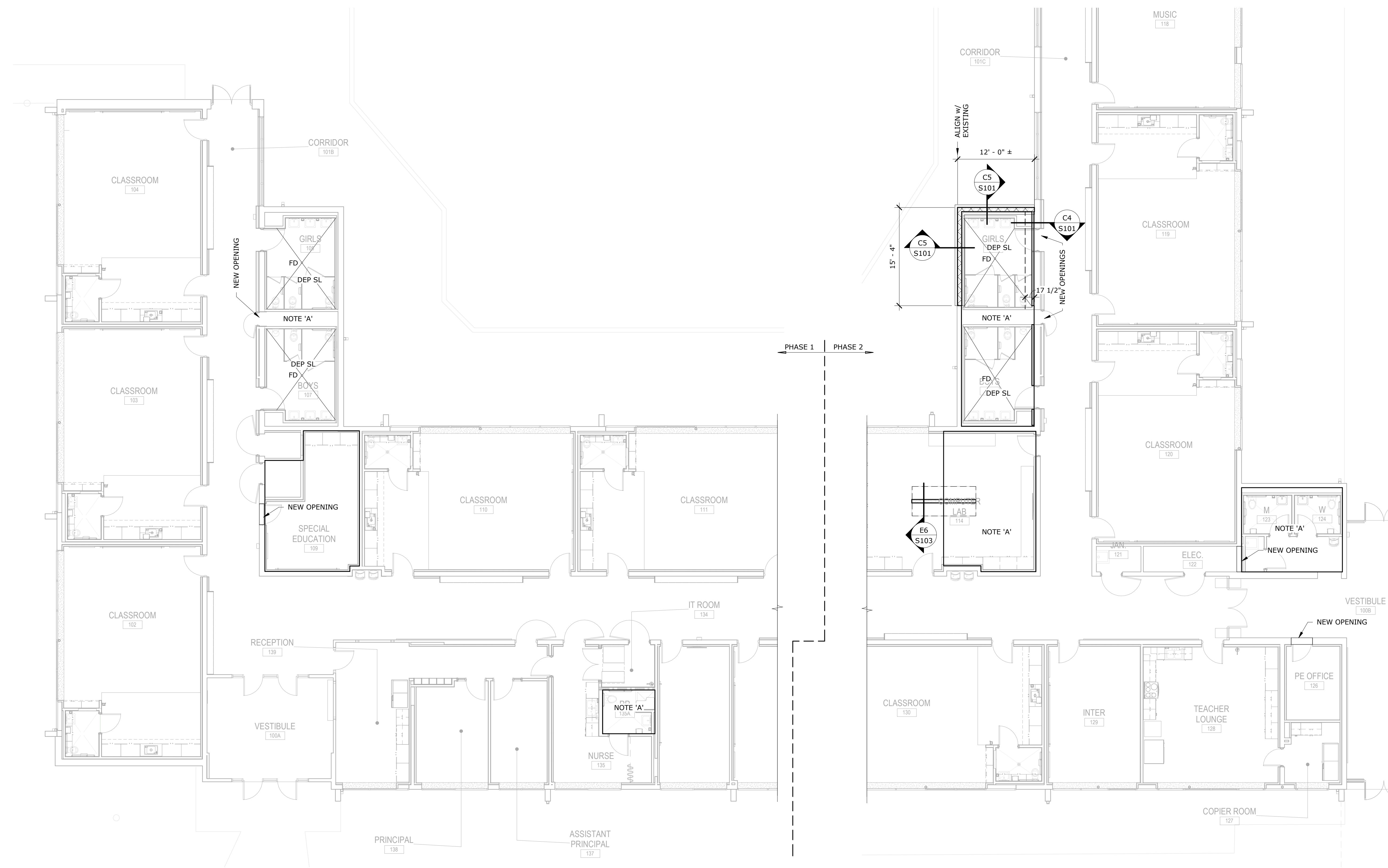
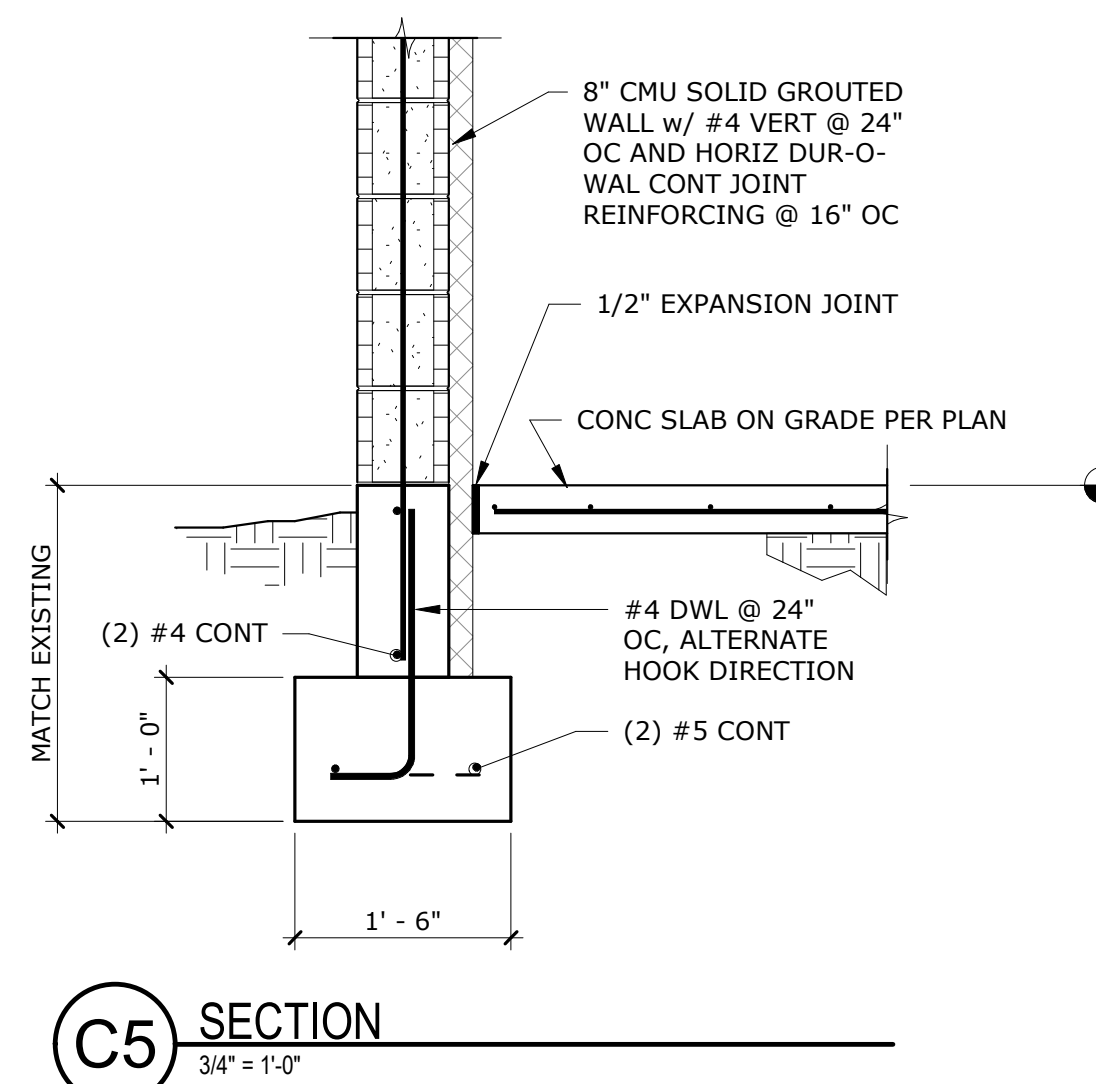
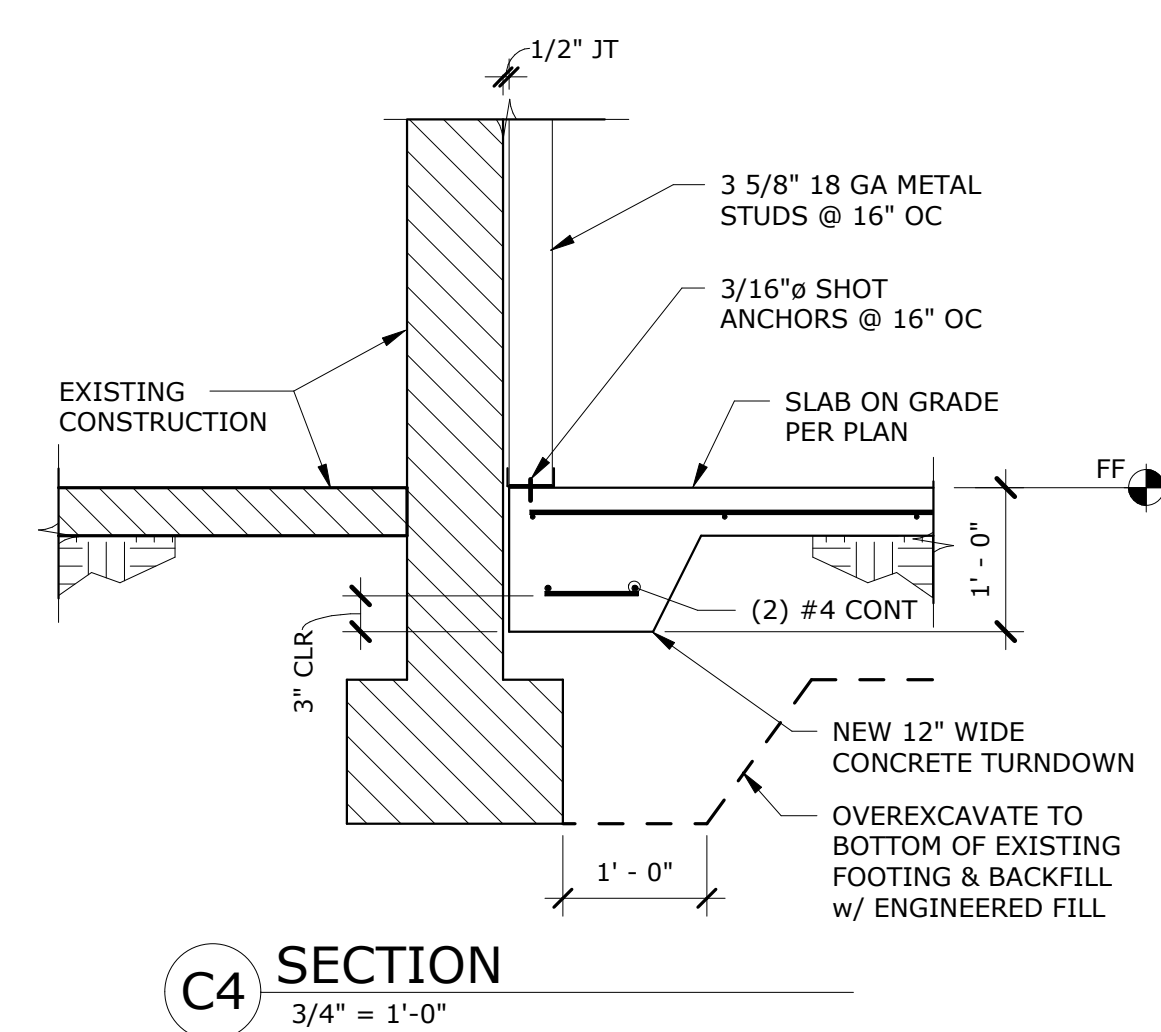
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DRAWN BY	jah
REVIEWED BY	DHS
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

**FOUNDATIONS PLANS**

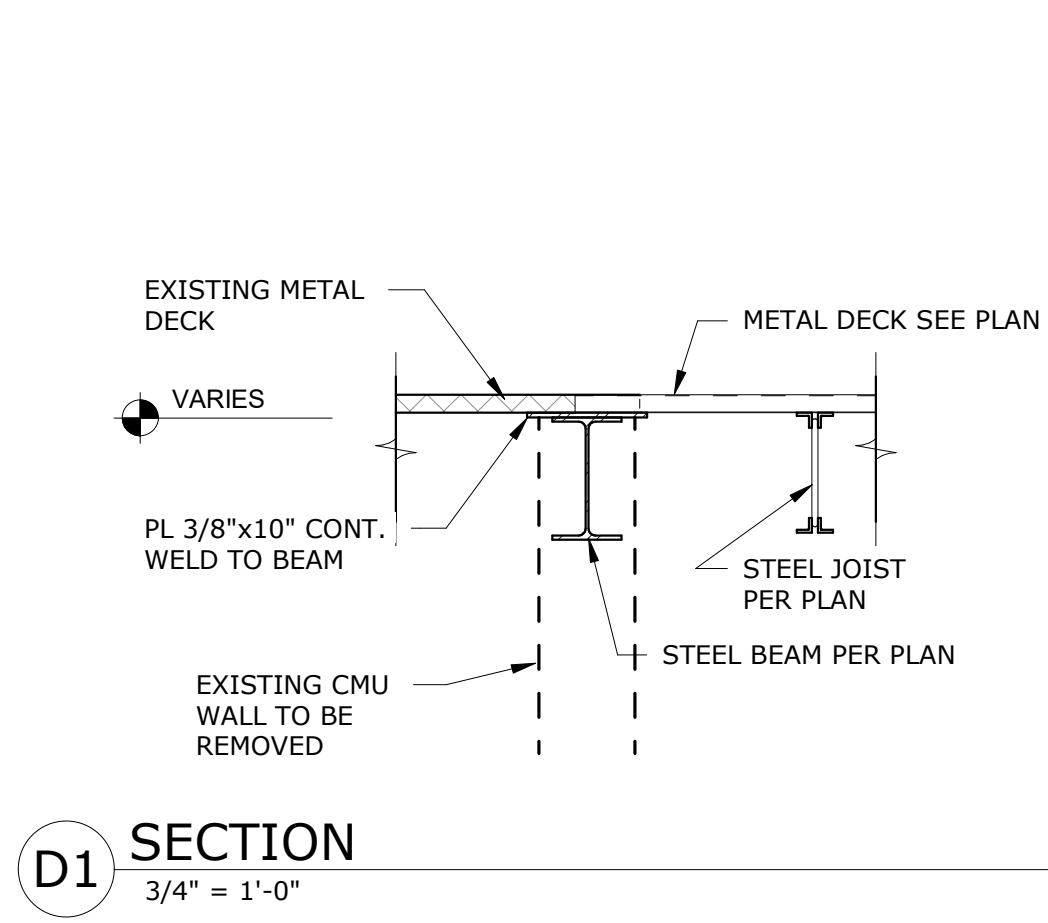
SHEET NO

S101

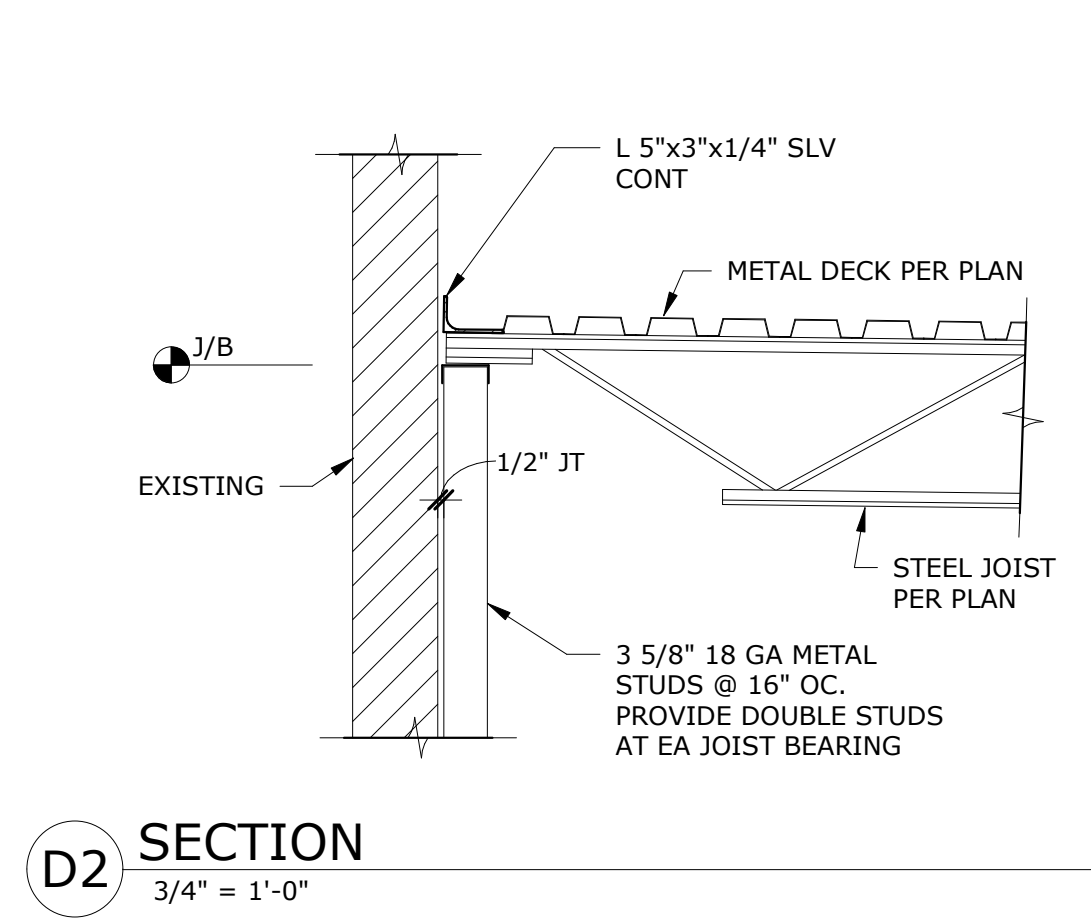


**A1 FOUNDATION / FLOOR PLAN**  
1/8" = 1'-0"

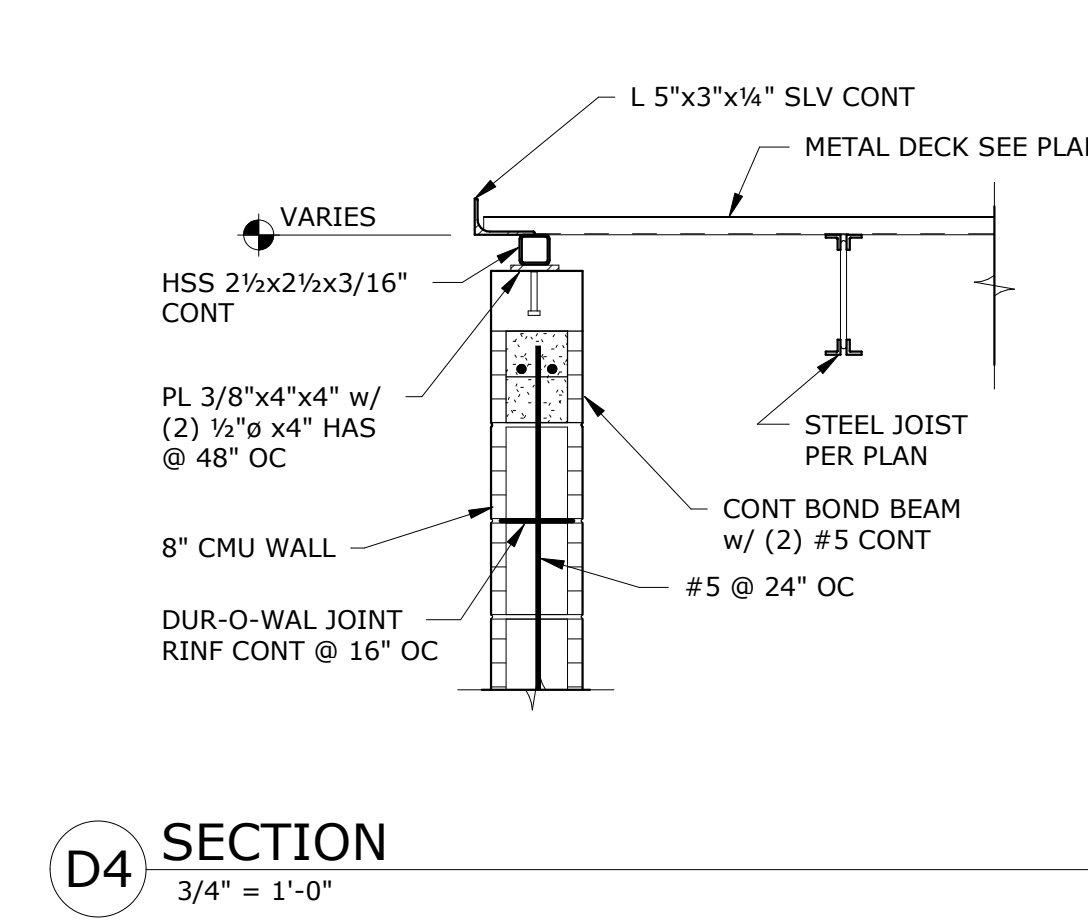




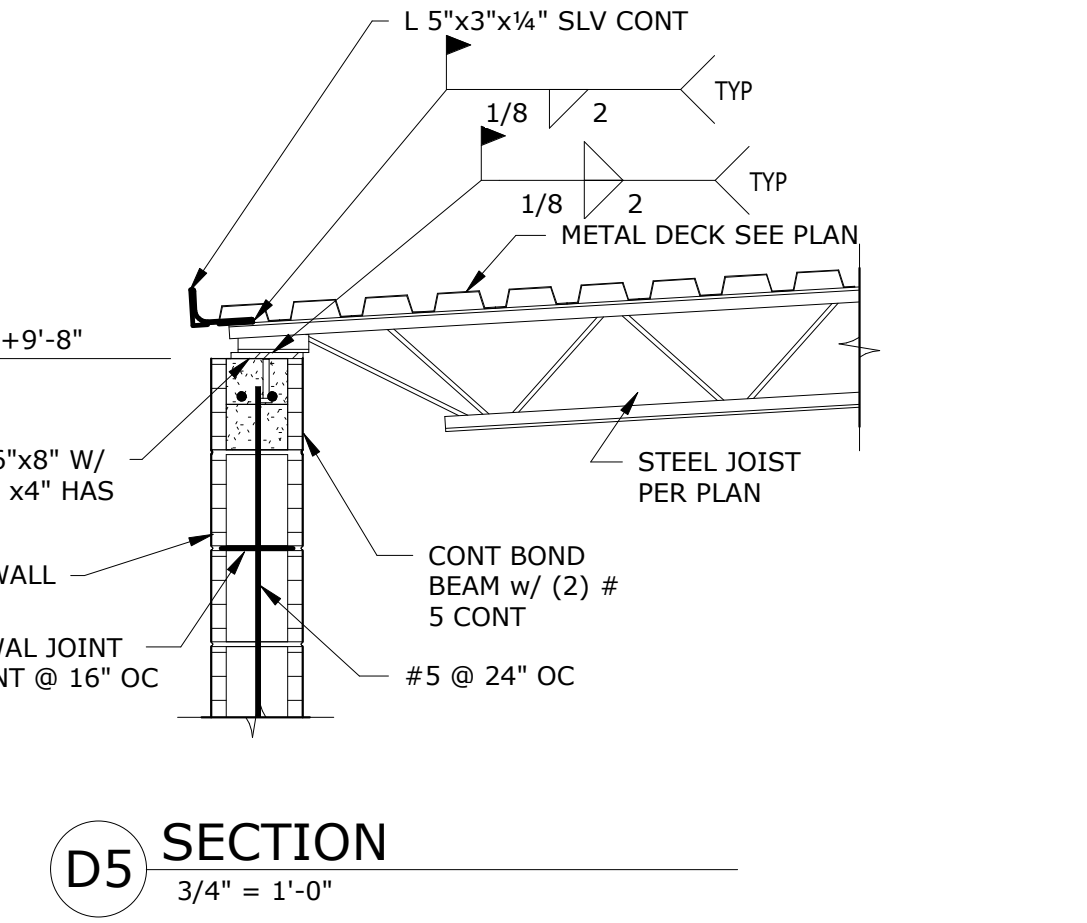
D1 SECTION  
3/4" = 1'-0"



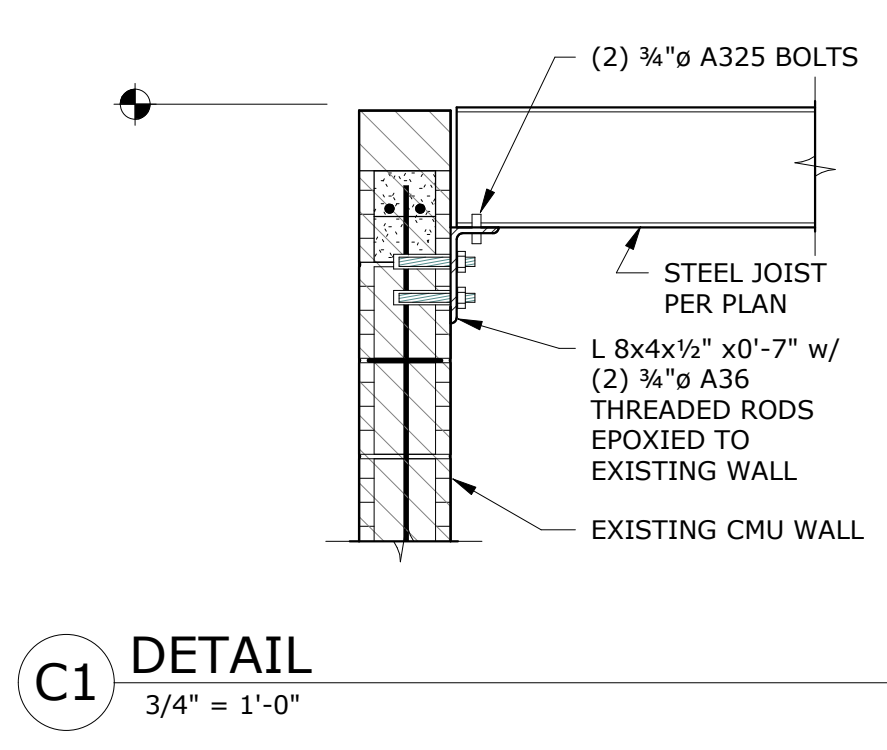
D2 SECTION  
3/4" = 1'-0"



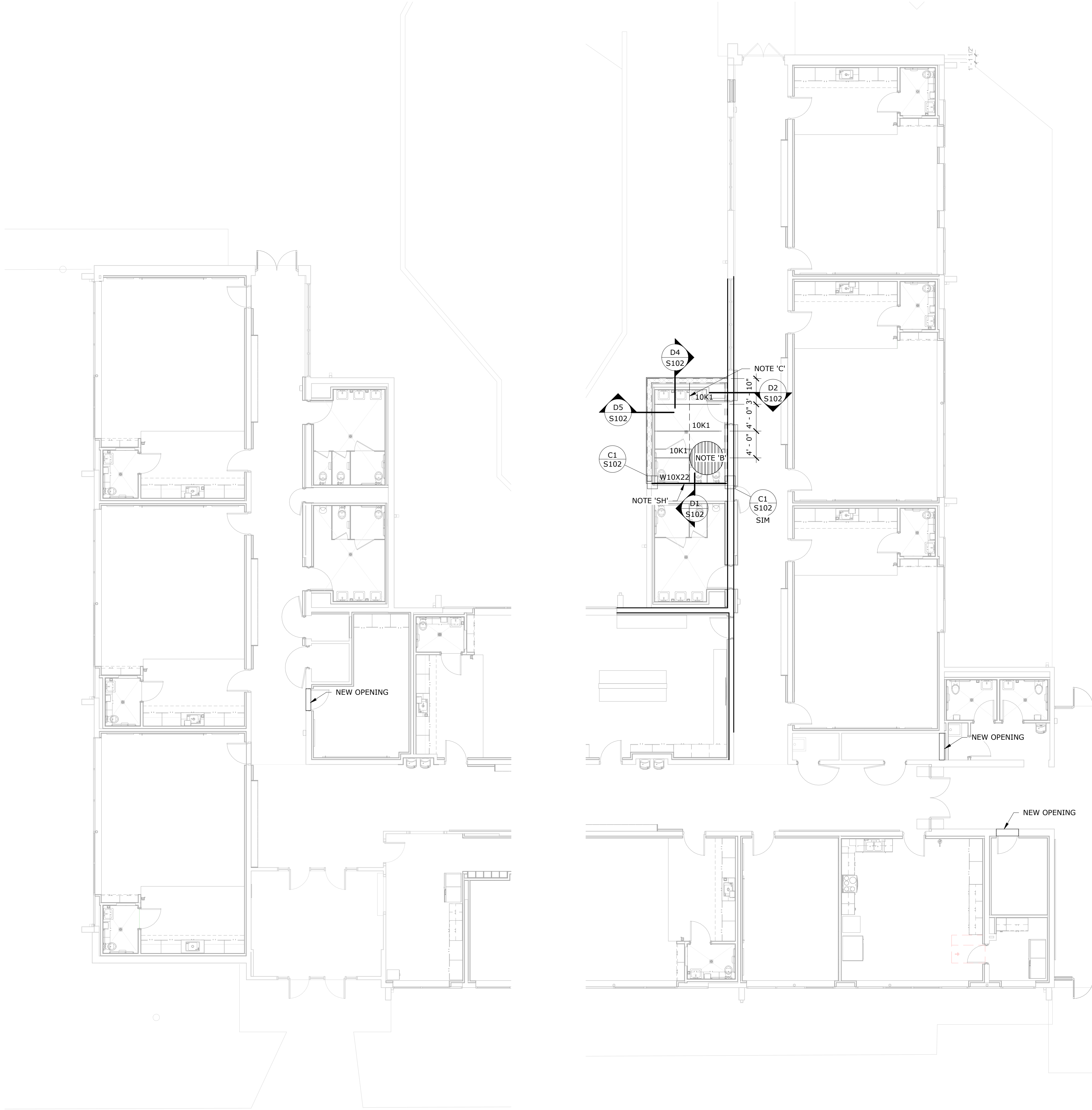
D4 SECTION  
3/4" = 1'-0"



D5 SECTION  
3/4" = 1'-0"



C1 DETAIL  
3/4" = 1'-0"



A1 ROOF FRAMING PLAN  
1/8" = 1'-0"

GENERAL SHEET NOTES

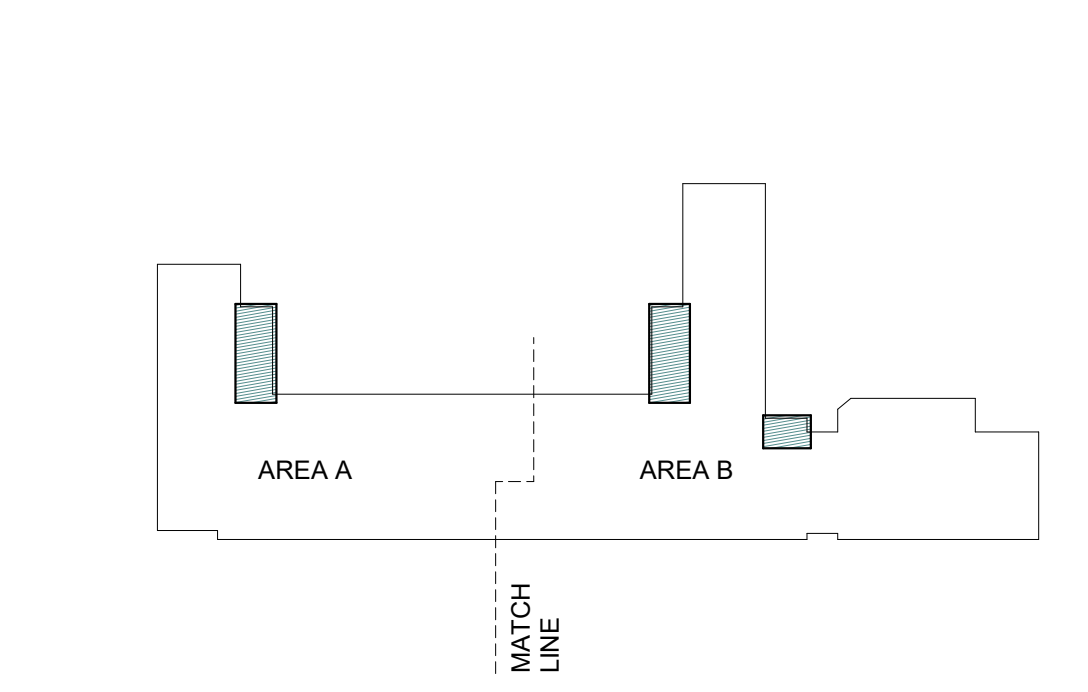
- NOTE 'B' 1 1/2" TYPE 'B' 20GA GALVANIZED METAL DECK. SEE GENERAL NOTES FOR DECK WELDS.
- NOTE 'C' PROVIDE BRIDGING PER SJ RECOMMENDATIONS
- NOTE 'SH' SHORE EXISTING METAL DECK UNTIL NEW STEEL BEAM IS IN PLACE

REFERENCE KEYNOTES

LEGEND

- EXISTING WALL TO REMAIN
- EXISTING TO REMAIN
- NEW CONSTRUCTION

KEY PLAN



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

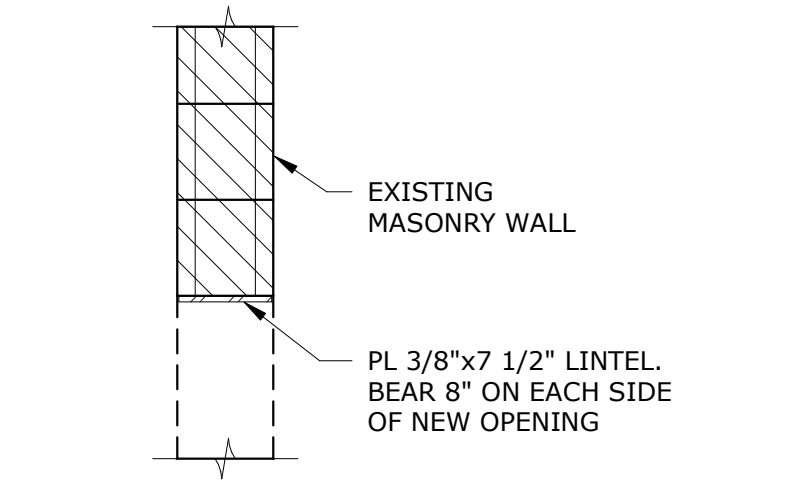
CONSTRUCTION DOCUMENTS

REVISIONS

- △
- △
- △
- △
- △

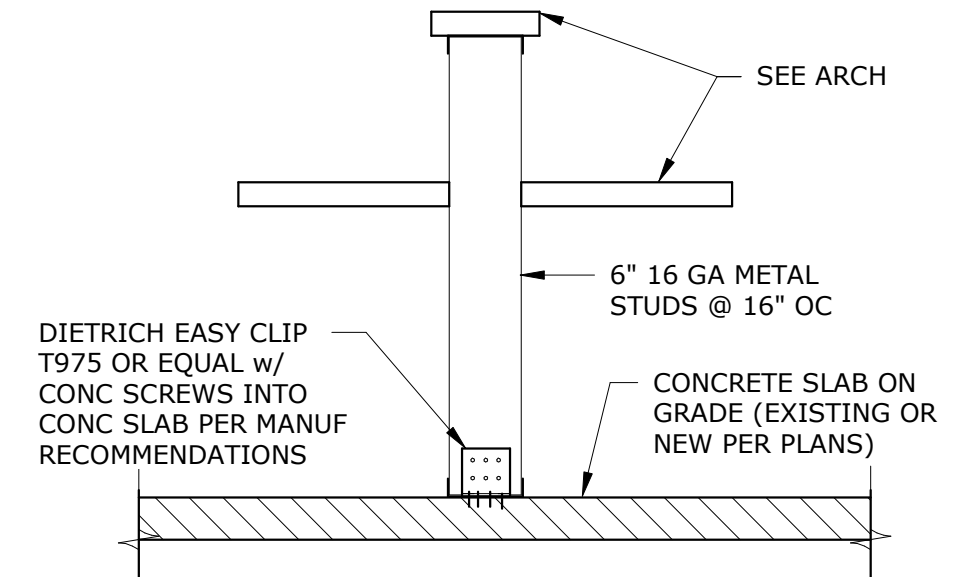
DRAWN BY	jah
REVIEWED BY	DHS
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	ROOF FRAMING PLAN





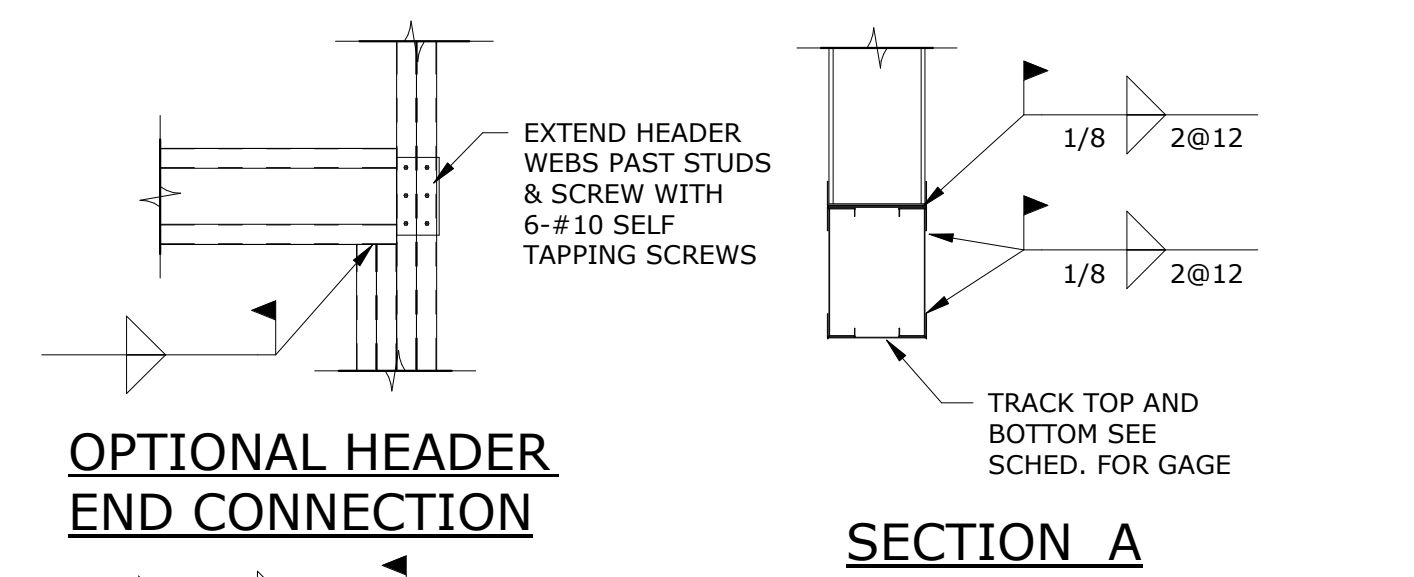
TYPICAL NEW OPENING IN EXISTING MASONRY WALL 4'-0" WIDE OR LESS

E5 TYPICAL DETAIL  
NOT TO SCALE



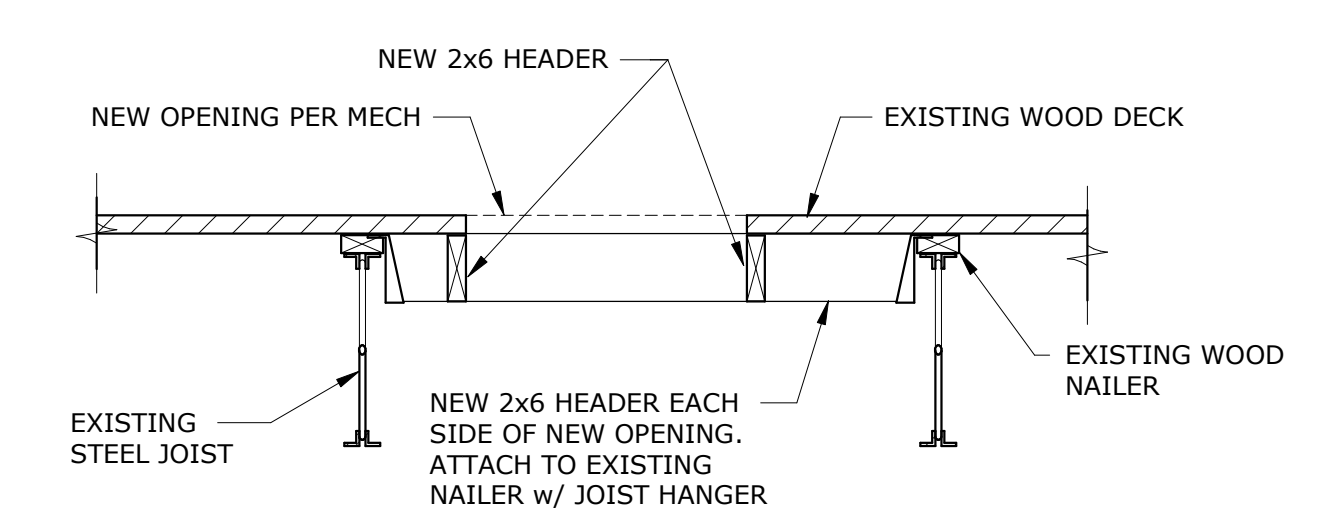
TYPICAL FREE STANDING COMPUTER LAB COUNTER FRAMING

E6 TYPICAL DETAIL  
NOT TO SCALE



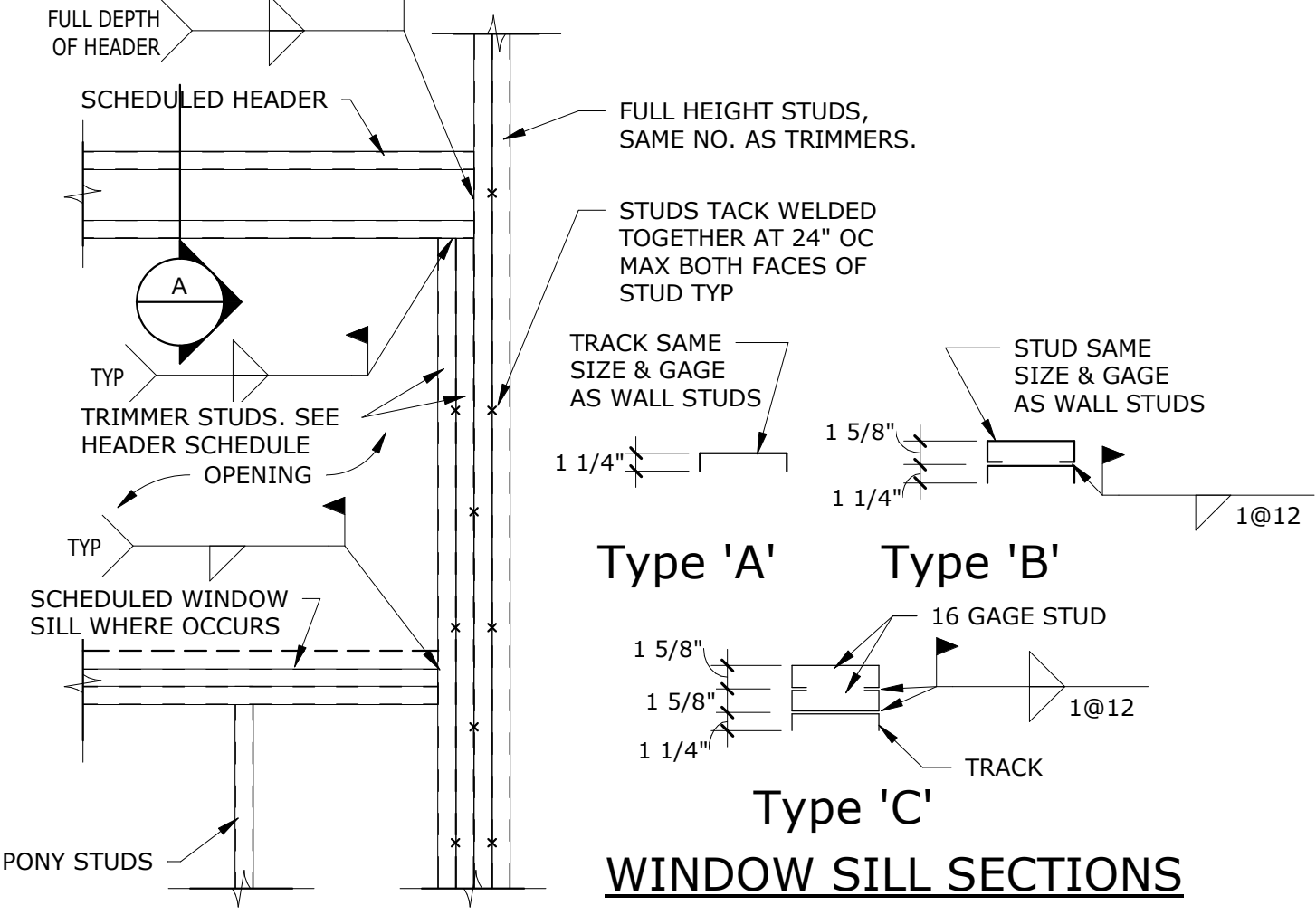
OPTIONAL HEADER END CONNECTION

SECTION A



TYPICAL NEW OPENING IN EXISTING WOOD ROOF DECK

C5 TYPICAL DETAIL  
3/4" = 1'-0"

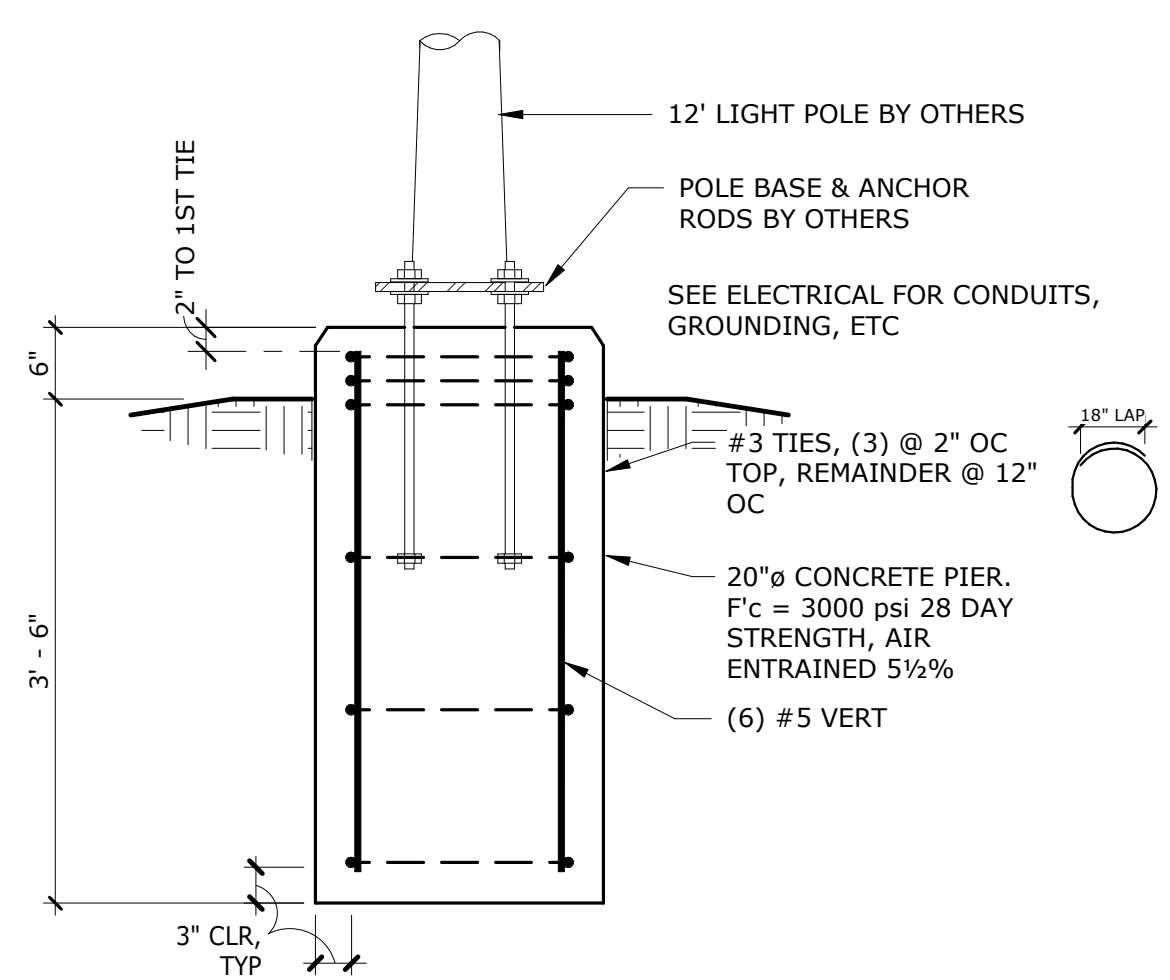


WINDOW SILL SECTIONS

STEEL STUD HEADER SCHEDULE *						
OPENING	SIZE	GAUGE	S <sub>x</sub> IN. <sup>3</sup>	I <sub>x</sub> IN. <sup>4</sup>	TRIMMERS EA. SIDE	WINDOW SILL TYPE
LESS THAN 4'-0"	2'-6"x1 5/8"	16 GA.	2x0.86	2x2.76	1 STUD	TYPE A
4'-0" TO 5'-11"	2'-8"x1 5/8"	16 GA.	2x1.30	2x5.54	2 STUDS	TYPE A
6'-0" TO 7'-11"	2'-8"x2"	14 GA.	2x1.97	2x8.17	2 STUDS	TYPE B
8'-0" TO 9'-11"	2'-10"x2"	12 GA.	2x3.83	2x19.2	2 STUDS	TYPE C
10'-0" TO 14'-0"	2'-12"x2"	12 GA.	2x5.00	2x30.2	3 STUDS	TYPE C

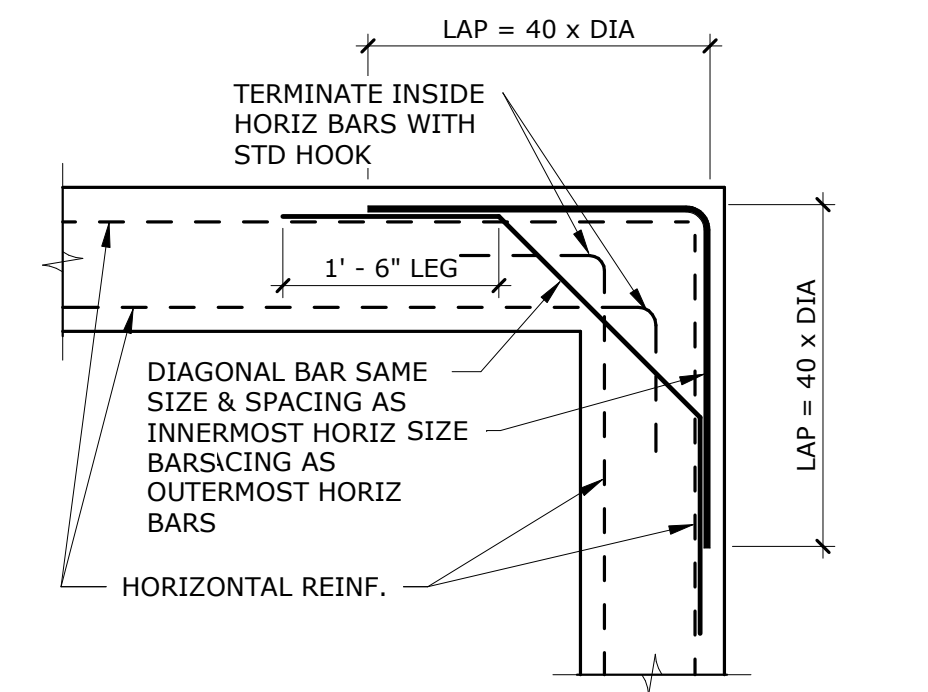
\* SCHEDULE TO BE USED UNLESS OTHERWISE NOTED ON PLANS.

C6 TYPICAL HEADER BEARING DETAIL  
NOT TO SCALE



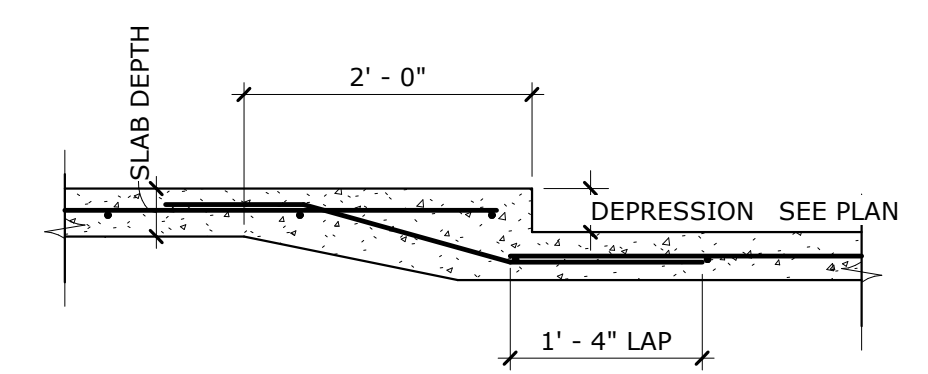
TYPICAL LIGHT POLE FOUNDATION

B5 TYPICAL DETAIL  
NOT TO SCALE



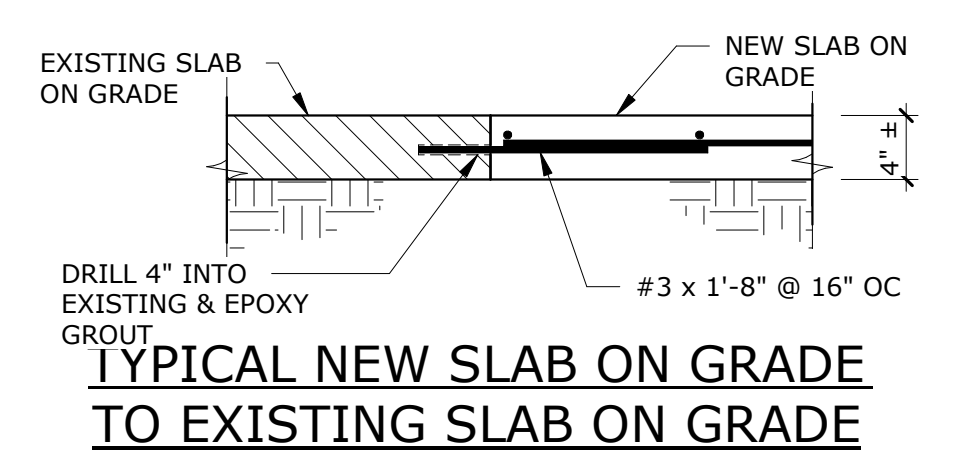
TYPICAL CORNER AT C.I.P. CONCRETE FOOTINGS AND WALLS

B6 TYPICAL DETAIL  
NOT TO SCALE



TYPICAL DEPRESSED SLAB

A5 TYPICAL DETAIL  
NOT TO SCALE



TYPICAL NEW SLAB ON GRADE TO EXISTING SLAB ON GRADE

A6 TYPICAL DETAIL  
NOT TO SCALE

STRUCTURAL EARTHWORK NOTES:

THE BUILDING FOUNDATIONS HAVE BEEN DESIGNED BASED UPON THE RECOMMENDATIONS OF THE REPORT BY DYESS-PETERSON TESTING LABORATORY, INC., "GEO TECHNICAL ENGINEERING STUDY REPORT, LL BROWN EARLY CHILDHOOD CENTER", PORTALES, NM, REPORT #4815, DATED 1 NOVEMBER, 2019.

- A COPY OF THIS REPORT MAY BE OBTAINED FROM THE OWNER. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE REPORT AND COMPLY WITH THE RECOMMENDATIONS IN THE REPORT. THIS REPORT IS A REPRESENTATION OF SOIL CONDITIONS ENCOUNTERED DURING THE TEST BORING SAMPLING AND MAY NOT COMPLETELY REPRESENT THE SOILS TO BE ENCOUNTERED DURING CONSTRUCTION. IF SOIL CONDITIONS ARE ENCOUNTERED WHICH DIFFER FROM THOSE DESCRIBED IN THE GEOTECHNICAL REPORT, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER FOR ALTERNATE RECOMMENDATIONS.
- THE GEOTECHNICAL ENGINEER SHALL ACT AS THE OWNER'S REPRESENTATIVE AND SHALL MAKE OBSERVATIONS AND TESTS AS CONSIDERED NECESSARY FOR QUALITY CONTROL. ALL CONTROLLED FILL OPERATIONS SHALL BE OBSERVED AND TESTED BY THE GEOTECHNICAL ENGINEER'S EXPERIENCED PERSONNEL. ALL TESTS SHALL BE PERFORMED IN ACCORDANCE WITH PROCEDURES SET FORTH IN THE CURRENT BOOK OF STANDARDS OF THE AMERICAN SOCIETY OF TESTING AND MATERIALS(ASTM).
- PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT AND OTHER HAZARDS CREATED BY EARTHWORK OPERATIONS. PROVIDE EXCAVATION SUPPORT, SHORING AND PROTECTION SYSTEMS WHERE NEEDED. PREVENT SURFACE WATER AND GROUND WATER FROM ENTERING EXCAVATIONS, FROM PONDING ON PREPARED SUBGRADES AND FROM FLOODING FROM SITE AND SURROUNDING AREA. PROMPTLY REMOVE STANDING WATER FROM EXPOSED SUBGRADES, PITS AND TRENCHES, COLUMN BLOCKOUTS AND OTHER STRUCTURES BEFORE WATER INFILTRATES SUBGRADE.
- ALL EXISTING FILL, VEGETATION, DEBRIS, AND DISTURBED NATURAL SOILS IN AREAS FOR SUPPORT OF FOOTINGS, FLOOR SLABS OR PAVEMENTS SHALL BE EXCAVATED TO EXPOSE UNDISTURBED NATURAL SOILS. ALL NON-ACCEPTABLE MATERIAL SHALL BE DISPOSED OFF SITE. ANY SOFT OR SPONGY AREAS SHALL BE REMOVED AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
- ALL SHALLOW SPREAD FOOTINGS, THICKENED SLAB FOUNDATIONS AND FLOOR SLABS SHALL BEAR ON A MINIMUM THICKNESS OF 1 FOOT OF COMPACTED ENGINEERED FILL. THE COMPACTED ENGINEERED FILL SHALL EXTEND LATERALLY A MINIMUM OF 1.0 FOOT BEYOND THE EDGE OF ALL FOOTINGS AND THICKENED SLAB FOUNDATIONS.
- ALL BACKFILL MATERIAL SHALL BE NON-EXPANSIVE, FREE OF GRASS, ROOTS, OTHER VEGETATION, CLAY LUMPS, ROCKS LARGER THAN 4 INCHES OR OTHER DELETERIOUS MATERIAL. GRADATION OF BACKFILL MATERIAL, AS DETERMINED IN ACCORDANCE WITH ASTM D-422, SHALL BE AS FOLLOWS:

GRADATION OF ENGINEERED FILL/BACKFILL MATERIAL

SIEVE SIZE	PERCENT PASSING
3 INCH	100
NUMBER 4	95-100
NUMBER 200	10-60

THE PLASTICITY INDEX SHALL NOT EXCEED 10 WHEN TESTED IN ACCORDANCE WITH ASTM D-4318. SITE SOILS MEETING THE ABOVE REQUIREMENTS MAY BE USED AS FILL.

OR

MAXIMUM EXPANSIVE POTENTIAL (%)	PERCENT PASSING
1.5	100
4	85-100
20	45-95
200	0-10

THE PLASTICITY INDEX SHALL BE NO GREATER THAN 3. THE GRANULAR BASE SHALL BE COMPACTED TO 95 PERCENT OF MAXIMUM DRY DENSITY AS DETERMINED IN ACCORDANCE WITH ASTM D1557. THE SITE SOILS DO NOT APPEAR TO MEET REQUIREMENTS FOR GRANULAR BASE.

- BORROW: WHEN THE QUANTITY OF SUITABLE MATERIAL REQUIRED FOR FILL IS NOT AVAILABLE WITHIN THE LIMITS OF THE JOBSITE, THE CONTRACTOR SHALL PROVIDE FROM BORROW AREAS SUFFICIENT MATERIALS FOR FILL TO THE LINES, ELEVATIONS AND CROSS-SECTIONS SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL OBTAIN FROM OWNERS OF SAID BORROW AREAS THE RIGHT TO EXCAVATE MATERIAL AND SHALL PAY ALL EXPENSES IN DEVELOPING THE SOURCE, INCLUDING THE COST OF RIGHT-OF-WAY REQUIRED FOR HAULING THE MATERIAL.
- PRIOR TO PLACEMENT OF ANY FILL OR CONSTRUCTION OF CONCRETE SLABS OR PAVEMENTS, THE EXPOSED NATIVE SOILS SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 8 INCHES, MOISTURE CONDITIONED AS NECESSARY TO BRING THE UPPER 1.0 FOOT TO OPTIMUM MOISTURE CONTENT OR ABOVE, AND COMPACTED TO A MINIMUM OF 95 PERCENT OF MAXIMUM DRY DENSITY, AS EVALUATED BY ASTM D1557.
- FILL OR BACKFILL, CONSISTING OF SOIL APPROVED BY THE GEOTECHNICAL ENGINEER, SHALL BE PLACED IN CONTROLLED COMPACTED LAYERS WITH APPROVED COMPACTOR EQUIPMENT. THICKNESS OF LIFTS BEFORE COMPACTING SHALL NOT EXCEED 8 INCHES. MOISTURE CONTENT AT TIME OF COMPACTING SHALL BE WITHIN A RANGE OF 2 PERCENT BELOW TO 2 PERCENT ABOVE OPTIMUM MOISTURE CONTENT. ALL COMPACTING SHALL BE TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY DETERMINED IN ACCORDANCE WITH ASTM D1557 TEST METHOD. IF VIBRATORY COMPACTOR TECHNIQUES POSE A THREAT TO ADJACENT STRUCTURES OR PROPERTY, CONTRACTOR SHALL USE A STATIC COMPACTOR.

- TESTS FOR DEGREE OF COMPACTION SHALL BE DETERMINED BY THE ASTM D-1556 METHOD OR ASTM D-6938. OBSERVATION AND FIELD TESTS SHALL BE CARRIED ON DURING FILL AND BACKFILL PLACEMENT BY THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL AREAS OF COMPLETED WORK AGAINST ANY DETRIMENTAL EFFECTS OF GROUND FREEZING BY METHODS APPROVED BY THE GEOTECHNICAL ENGINEER. ANY AREAS THAT ARE DAMAGED BY FREEZING SHALL BE RECONDITIONED, RESHAPED, AND COMPACTED BY THE CONTRACTOR IN CONFORMANCE WITH THE REQUIREMENTS OF THESE DOCUMENTS WITHOUT ADDITIONAL COST TO THE OWNER.
- WEATHER LIMITATIONS: CONTROLLED FILL SHALL NOT BE CONSTRUCTED WHEN THE ATMOSPHERIC TEMPERATURE IS BELOW 35 DEGREES F. WHEN THE TEMPERATURE FALLS BELOW 35 DEGREES F, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL AREAS OF COMPLETED WORK AGAINST ANY DETRIMENTAL EFFECTS OF GROUND FREEZING BY METHODS APPROVED BY THE GEOTECHNICAL ENGINEER. ANY AREAS THAT ARE DAMAGED BY FREEZING SHALL BE RECONDITIONED, RESHAPED, AND COMPACTED BY THE CONTRACTOR IN CONFORMANCE WITH THE REQUIREMENTS OF THESE DOCUMENTS WITHOUT ADDITIONAL COST TO THE OWNER.
- COMPLY WITH REQUIREMENTS OF OSHA AND OTHER GOVERNING AGENCIES FOR ALL EXCAVATION AND TRENCHING. IT SHALL SOLELY BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE SUCH REQUIREMENTS.
- WHEREVER, IN THE OPINION OF THE GEOTECHNICAL ENGINEER, AN UNSTABLE CONDITION IS BEING CREATED, EITHER BY CUTTING OR FILLING, THE WORK SHALL NOT PROCEED IN THAT AREA UNTIL AN INVESTIGATION HAS BEEN MADE AND THE GRADING PLAN REVISED IF FOUND NECESSARY.
- PRECAUTIONS SHALL BE TAKEN DURING AND AFTER CONSTRUCTION TO MINIMIZE SATURATION OF THE FOUNDATION SOILS. EXCESSIVE MOISTURE INFILTRATION INTO SOILS MAY LEAD TO SOIL WEAKENING OR SETTLEMENT, INCREASED LATERAL EARTH PRESSURES ON RETAINING WALLS, OR INTERIOR FLOORING PROBLEMS. POSITIVE DRAINAGE SHALL BE ESTABLISHED AWAY FROM THE EXTERIOR WALLS OF THE STRUCTURE IN ACCORDANCE WITH THE PROJECT GEOTECHNICAL REPORT OR IBC CODE REQUIREMENTS, WHICHEVER IS MORE STRINGENT. ALL UTILITY TRENCHES LEADING INTO THE BUILDING SHALL BE BACKFILLED WITH COMPACTED ENGINEERED FILL. SPECIAL CARE SHALL BE TAKEN DURING INSTALLATION OF SUBFLOOR SEWER AND WATERLINES TO REDUCE THE POSSIBILITY OF FUTURE SUBSURFACE SATURATION. LANDSCAPING IRRIGATION WITHIN 10 FEET OF FOUNDATIONS AND STRUCTURES SHALL BE CAREFULLY CONTROLLED.
- THE CONTRACTOR SHALL LOCATE EXISTING UNDERGROUND UTILITIES BEFORE FOUNDATION EXCAVATION BEGINS. IF UNDERGROUND UTILITY CONFLICTS ARE DISCOVERED BEFORE OR ENCOUNTERED DURING EXCAVATION, NOTIFY ARCHITECT/ENGINEER IMMEDIATELY.

FIELD QUALITY CONTROL FOR EARTHWORK

- TESTING AGENCY: THE OWNER WILL ENGAGE A QUALIFIED INDEPENDENT GEOTECHNICAL ENGINEERING TESTING AGENCY TO PERFORM FIELD QUALITY CONTROL TESTING.
- NOTIFY TESTING AGENCY AT LEAST TWO WORKING DAYS IN ADVANCE OF ANY FIELD OPERATIONS OF CONTROLLED EARTHWORK OR OF ANY RESUMPTIONS AFTER STOPPAGES. ALLOW TESTING AGENCY TO INSPECT AND TEST SUBGRADES AND EACH FILL OR BACKFILL LAYER. PROCEED WITH SUBSEQUENT EARTHWORK ONLY AFTER TEST RESULTS FOR PREVIOUSLY COMPLETED WORK COMPLY WITH REQUIREMENTS.
- SUBMITTALS: LABORATORY ANALYSIS OF EACH SOIL PROPOSED FOR FILL AND BACKFILL FROM ON-SITE AND BORROW SOURCES. ONE MOISTURE-DENSITY CURVE FOR EACH TYPE OF MATERIAL USED, AS INDICATED BY SIEVE ANALYSIS AND PLASTICITY INDEX. TESTING AGENCY WILL TEST COMPACTION OF SOILS IN PLACE ACCORDING TO ASTM D 1556, ASTM 2167, ASTM D 2922, AND ASTM D 2937 AS APPLICABLE. TESTS WILL BE PERFORMED AT THE FOLLOWING LOCATIONS AND FREQUENCIES: BUILDING SLAB AREA - AT SUBGRADE AND AT EACH COMPACTED FILL AND BACKFILL LAYER, PERFORM AT LEAST ONE FIELD IN-PLACE DENSITY TEST FOR EVERY 2500 SQUARE FEET OR LESS OF BUILDING SLAB, BUT IN NO CASE FEWER THAN 3 TESTS. CONTINUOUS FOOTING LOCATIONS - AT SUBGRADE AND AT EACH COMPACTED FILL AND BACKFILL LAYER, PERFORM AT LEAST ONE FIELD IN-PLACE DENSITY TEST FOR EACH 150 FEET OR LESS OF WALL LENGTH, BUT NO FEWER THAN 2 TESTS. COLUMN FOOTING LOCATIONS - AT SUBGRADE AND AT EACH COMPACTED FILL LAYER, PERFORM AT LEAST ONE FIELD DENSITY TEST FOR EVERY FIFTH COLUMN FOOTING LOCATION. TRENCH AND WALL BACKFILL - IN EACH COMPACTED INITIAL AND FINAL BACKFILL LAYER, PERFORM ONE FIELD IN-PLACE DENSITY TEST FOR EACH 150 FEET OR LESS OF TRENCH OR WALL, BUT NO FEWER THAN 2 TESTS.

WHEN TESTING AGENCY REPORTS THAT SUBGRADES, FILLS, OR BACKFILLS HAVE NOT ACHIEVED DEGREE OF COMPACTION SPECIFIED, SCARIFY AND MOISTEN OR AERATE, OR REMOVE AND REPLACE SOIL TO DEPTH REQUIRED. RECOMPACT AND RETEST AT CONTRACTOR'S EXPENSE UNTIL SPECIFIED COMPACTION IS OBTAINED.

DISPOSE OF SURPLUS AND WASTE MATERIAL- THE CONTRACTOR SHALL REMOVE SURPLUS WASTE MATERIAL, INCLUDING UNSATISFACTORY SOIL, TRASH, AND DEBRIS AND SHALL LEGALLY DISPOSE OF IT AWAY FROM OWNER'S PROPERTY.



Brown Early Childhood Center  
Old Wing Renovation  
520 W 5th St, Portales, NM 88130

CONSTRUCTION DOCUMENTS

REVISIONS


DRAWN BY	jah
REVIEWED BY	DHS
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	TYPICAL DETAILS, EARTHWORK







Portales Brown Early Childhood Center, Project #S20-008, PSFCC FUNDED



SEAL

PROJECT



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**GENERAL SHEET NOTES**

- A. IT SHALL BE ASSUMED THAT THE CONTRACTOR HAS PHYSICALLY SURVEYED THE SITE TO OBTAIN A SOLID UNDERSTANDING OF EXISTING CONDITIONS, BOTH ON-SITE AND ADJACENT TO THE SITE, THAT WILL AFFECT SCHEDULING OF WORK INCLUDING DEMOLITION AND REMOVAL OF DEBRIS. ANY QUESTIONS OR DISCREPANCIES SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY.
- B. CONTRACTOR IS TO FIELD VERIFY EXISTING SITE CONDITIONS AND DIMENSIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. CHANGES IN DETAILING MAY BE REQUIRED AS A RESULT OF NEW FINDINGS DURING CONSTRUCTION.
- C. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD.
- D. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFETY MEASURES TO PROTECT PEDESTRIANS, VEHICLES, AND ALL EXISTING IMPROVEMENTS TO REMAIN.
- E. UNLESS OTHERWISE INDICATED, COORDINATE WITH OWNER ITEMS TO BE REMOVED. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL DEMOLISHED ITEMS.
- F. UNLESS OTHERWISE INDICATED, ALL DEMOLITION ITEMS ARE TO BE REMOVED TO A LEGAL WASTE FACILITY. CONTRACTOR IS RESPONSIBLE FOR SUPPLYING REFUSE CONTAINERS TO HANDLE ALL DEBRIS TO BE REMOVED, AS WELL AS PROVIDING ALL FEES ASSOCIATED WITH REMOVAL AND DISPOSAL OF REMOVED ITEMS.
- G. CONTRACTOR TO COORDINATE ALL PENETRATIONS THROUGH NEW AND EXISTING WALLS, ROOF AND FLOOR WITH MEP AND STRUCTURAL.
- H. CONTRACTOR TO COORDINATE THE INSTALLATION OF ANY UTILITY WITH ALL EXISTING CONDITIONS. ROUTE UTILITY TO MINIMIZE THE AMOUNT OF REPAIR TO EXISTING UTILITIES, IRRIGATION, STORM WATER, CONCRETE, ASPHALT, AND LANDSCAPING. COORDINATE WITH CIVIL.
- I. EXISTING UTILITIES ARE SHOWN FOR REFERENCE ONLY. NOT ALL EXISTING UTILITIES APPEAR ON THIS SHEET. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING UTILITY LOCATIONS BEFORE EXCAVATING. SEE CIVIL AND ELECTRICAL PLANS FOR UTILITIES.
- J. UTILITIES SCHEDULED FOR DEMOLITION SHALL BE CAPPED OFF AS CLOSE TO THE SOURCE AS POSSIBLE AND COMPLETELY REMOVED. UTILITY DEMOLITION IS TO BE COMPLETE INSIDE THE LIMITS ON WORK AND INCLUDES, BUT IS NOT LIMITED TO: CONDUIT, PIPE, WIRES, ANCHORS, TIES, ETC.
- K. EXISTING UTILITY STUDIES THAT REMAIN SHALL BE DOCUMENTED ON SURVEYED AS-BUILT DRAWINGS THAT SHALL BE TURNED OVER TO THE OWNER AT CONTRACT CLOSE OUT.
- L. CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT UTILITIES TO REMAINING BUILDINGS ADJACENT TO THE SITE REMAIN OPERATIONAL. IF UTILITIES TO ADJACENT BUILDINGS ARE AFFECTED, THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE TIMING AND DURATION WITH THE OWNER.
- M. ITEMS TO BE SALVAGED AND RELOCATED ARE NOTED IN KEYNOTES ON DEMOLITION PLAN.
- N. PATCH AND REPAIR SUB-FLOOR FOR NEW FLOOR FINISH AND NEW VINYL WALL BASE. COORDINATE ALL REMOVALS WITH NEW CONSTRUCTION AND THE OWNER.
- O. DURING DEMOLITION, ALL STRUCTURES, FINISHES, ETC. WHICH ARE NOT TO BE REMOVED ARE TO BE CAREFULLY PROTECTED FROM DAMAGE.
- P. PATCH, REPAIR OR REPLACE ANY ITEMS DAMAGED DURING DEMOLITION.
- Q. EXISTING FLOORING AND WALL BASE TO REMAIN UNLESS OTHERWISE NOTED. PROTECT FROM DAMAGE. PATCH, REPAIR, OR REPLACE ANY DAMAGE DURING CONSTRUCTION.
- R. REMOVE AND PROPERLY CAP PLUMBING AND ELECTRICAL CONNECTIONS ASSOCIATED WITH REMOVALS. RELOCATE ACCORDINGLY TO COORDINATE WITH NEW CONSTRUCTION.
- S. COORDINATE REMOVAL OF ALL EXISTING FLOOR FINISHES WITH NEW SCHEDULED FLOOR FINISHES.
- T. REPAIR CONCRETE AS REQUIRED RELATED TO ALL UTILITY IMPROVEMENTS.
- U. REFER TO PLUMBING DEMO SHEETS FOR SLAB SAWCUT LOCATIONS. FOR PATCHING DETAIL AT SLAB SAWCUT LOCATIONS REFER TO STRUCTURAL.
- V. ALL EXISTING WALL & CEILING DEVICES IN CLASSROOMS TO BE REMOVED. ITEMS INCLUDED BUT NOT LIMITED TO EXISTING CHALKBOARDS, CUBBIES, CASEWORK, WALL CLOCKS, SPEAKERS, DISPENSERS, CONDUIT, ETC.
- W. ASBESTOS ABATEMENT TO BE PROVIDED BY OWNER. CONTRACTOR TO COORDINATE SCHEDULING WITH OWNER PRIOR TO COMMENCEMENT OF WORK. COORDINATE ABATEMENT WITH CONSTRUCTION PHASING. ABATEMENT FOR EACH PHASE MUST BE COMPLETED IN THE AREA PRIOR TO CONSTRUCTION.
- X. ALL LOCKSETS FROM EXISTING DOORS TO BE CAREFULLY REMOVED AND SALVAGED TO BE REUSED ON NEW DOORS. REFER TO DOOR SCHEDULE A501.
- Y. ALL EXTERIOR PLASTER WALLS AND SCOFFITS TO BE CLEANED AND PREPPED TO RECEIVE NEW PLASTER FINISH AS SPECIFIED. ALL EXISTING WALL & CEILING DEVICES ON EXTERIOR TO BE PROTECTED. REFERENCE SECTION 09 0170 FOR ADDITIONAL INFORMATION.
- Z. NOT ALL ITEMS OF DEMOLITION ARE SHOWN ON THIS DEMOLITION PLAN. THERE ARE MANY SPECIFIC AND SMALL ITEMS OF DEMOLITION THAT WILL BE NECESSARY THROUGHOUT THE COURSE OF THE WORK WHICH IS APPARENT BY A COMPLETE AND THOROUGH REVIEW OF EXISTING CONDITIONS AND ALL OF THE CONSTRUCTION DOCUMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PERFORM ALL DEMOLITION OPERATIONS REQUIRED FOR THIS PROJECT.
- AA. CLEAN VAULTS OF ALL DEBRIS PRIOR TO NEW CONSTRUCTION. REMOVE ANY EXISTING EQUIPMENT, PIPING, ETC.

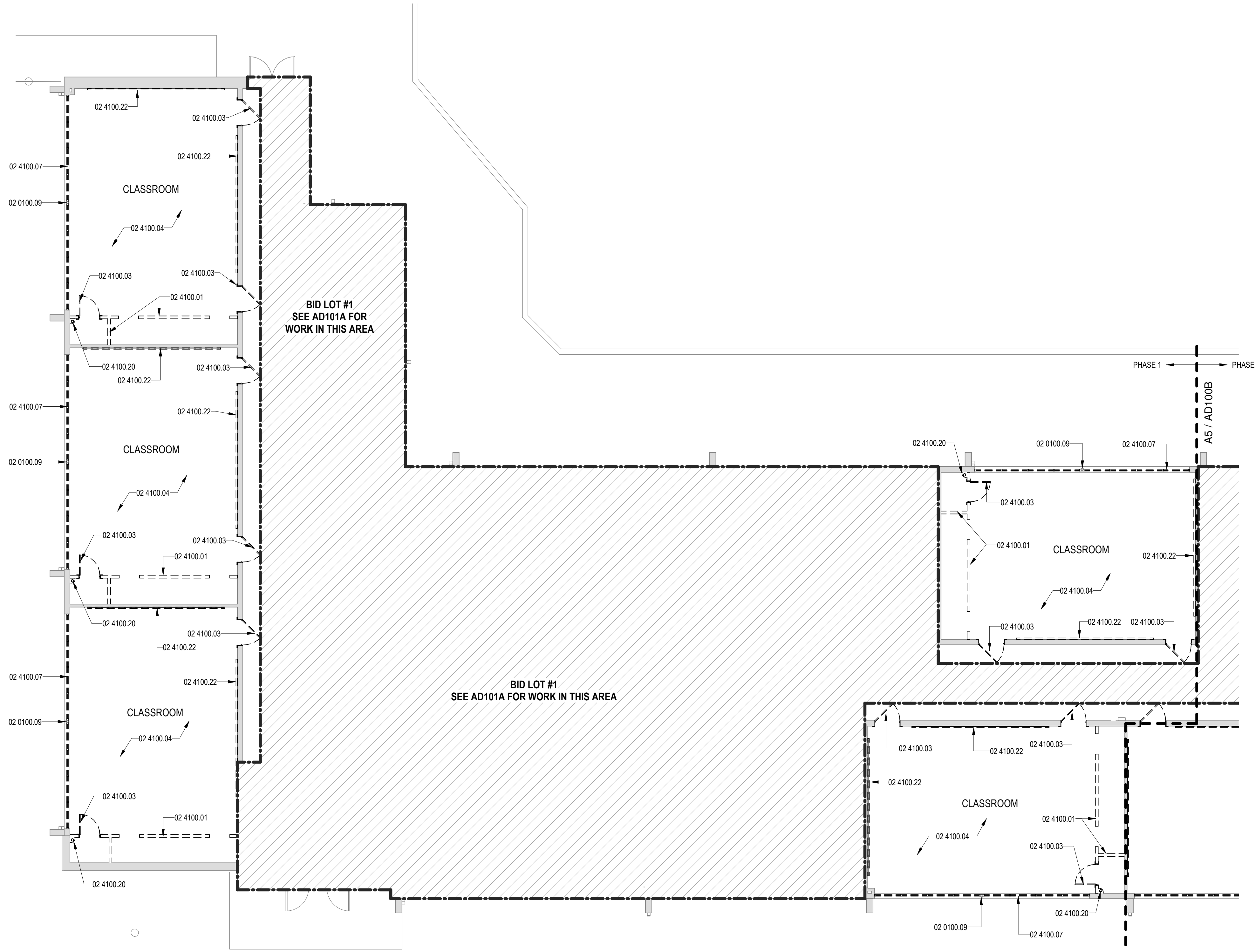
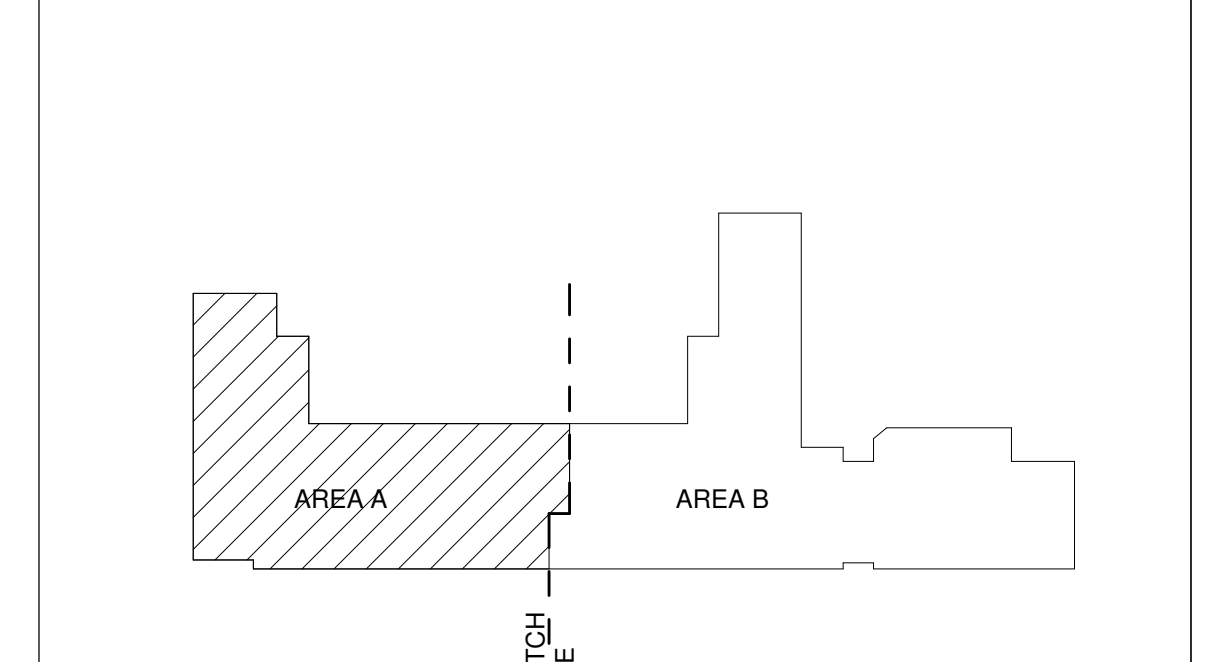
**REFERENCE KEYNOTES**

02 0100.09	EXISTING STEEL COLUMN TO REMAIN
02 4100.01	EXISTING WALL TO BE REMOVED IN ITS ENTIRETY
02 4100.03	EXISTING DOOR AND FRAME TO BE REMOVED
02 4100.04	EXISTING FLOORING TO BE REMOVED
02 4100.07	EXISTING METAL WALL PANEL SYSTEM AND WINDOWS TO BE REMOVED IN ITS ENTIRETY. PREP SILL, JAMBS AND HEAD FOR NEW WINDOW SYSTEM.
02 4100.20	EXISTING VENT PIPING AND PLASTER COVER TO BE REMOVED IN ITS ENTIRETY.
02 4100.22	EXISTING CHALKBOARD TO BE DISMANTLED AND SALVAGED TO OWNER

**LEGEND**

- EXISTING WALL TO REMAIN
- EXISTING TO REMAIN
- EXISTING TO BE REMOVED
- EXISTING DOOR TO BE REMOVED
- PORTION OF EXISTING CONCRETE SLAB TO BE REMOVED. REFER TO AD102 FOR ADDITIONAL INFORMATION
- NO WORK
- PORTION OF WORK TO BE COMPLETED AS PART OF BID LOT #1. REFER TO BID LOT SHEETS

**KEY PLAN**



**A5** DEMOLITION FLOOR PLAN - AREA A  
1/8" = 1'-0"

**CONSTRUCTION DOCUMENTS**

REVISIONS

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- △
- △
- △
- △

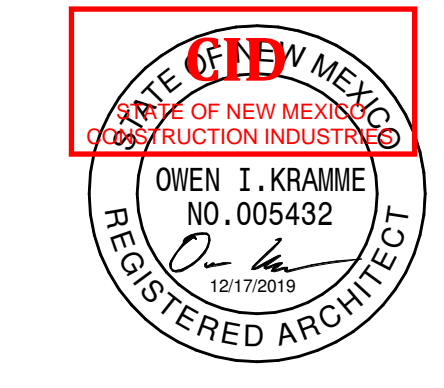
DRAWN BY	NW
REVIEWED BY	OK
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

**DEMOLITION FLOOR PLAN - AREA A**

SHEET NO

**AD100A**





SEAL

PROJECT



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**GENERAL SHEET NOTES**

- A. IT SHALL BE ASSUMED THAT THE CONTRACTOR HAS PHYSICALLY SURVEYED THE SITE TO OBTAIN A SOLID UNDERSTANDING OF EXISTING CONDITIONS, BOTH ONSITE AND ADJACENT TO THE SITE, THAT WILL AFFECT SCHEDULING OF WORK INCLUDING DEMOLITION AND REMOVAL OF DEBRIS. ANY QUESTIONS OR DISCREPANCIES SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY.
- B. CONTRACTOR IS TO FIELD VERIFY EXISTING SITE CONDITIONS AND DIMENSIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. CHANGES IN DETAILING MAY BE REQUIRED AS A RESULT OF NEW FINDINGS DURING CONSTRUCTION.
- C. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD.
- D. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFETY MEASURES TO PROTECT PEDESTRIANS, VEHICLES, AND ALL EXISTING IMPROVEMENTS TO REMAIN.
- E. UNLESS OTHERWISE INDICATED, COORDINATE WITH OWNER ITEMS TO BE REMOVED. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL DEMOLISHED ITEMS.
- F. UNLESS OTHERWISE INDICATED, ALL DEMOLITION ITEMS ARE TO BE REMOVED TO A LEGAL WASTE FACILITY. CONTRACTOR IS RESPONSIBLE FOR SUPPLYING REFUSE CONTAINERS TO HANDLE ALL DEBRIS TO BE REMOVED, AS WELL AS PROVIDING ALL FEES ASSOCIATED WITH REMOVAL AND DISPOSAL OF REMOVED ITEMS.
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- M. ITEMS TO BE SALVAGED AND RELOCATED ARE NOTED IN KEYNOTES ON DEMOLITION PLAN.
- N. PATCH AND REPAIR SUB-FLOOR FOR NEW FLOOR FINISH AND NEW VINYL WALL BASE. COORDINATE ALL REMOVALS WITH NEW CONSTRUCTION AND THE OWNER.
- O. DURING DEMOLITION, ALL STRUCTURES, FINISHES, ETC. WHICH ARE NOT TO BE REMOVED ARE TO BE CAREFULLY PROTECTED FROM DAMAGE.
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- S. COORDINATE REMOVAL OF ALL EXISTING FLOOR FINISHES WITH NEW SCHEDULED FLOOR FINISHES.
- T. REPAIR CONCRETE AS REQUIRED RELATED TO ALL UTILITY IMPROVEMENTS.
- U. REFER TO PLUMBING DEMO SHEETS FOR SLAB SAWCUT LOCATIONS. FOR PATCHING DETAIL AT SLAB SAWCUT LOCATIONS REFER TO STRUCTURAL.
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- Y. ALL EXTERIOR PLASTER WALLS AND SCIFFITS TO BE CLEANED AND PREPARED TO RECEIVE NEW PLASTER FINISH AS SPECIFIED. ALL EXISTING WALL & CEILING DEVICES ON EXTERIOR TO BE PROTECTED. REFERENCE SECTION 09 0170 FOR ADDITIONAL INFORMATION.
- Z. NOT ALL ITEMS OF DEMOLITION ARE SHOWN ON THIS DEMOLITION PLAN. THERE ARE MANY SPECIFIC AND SMALL ITEMS OF DEMOLITION THAT WILL BE NECESSARY THROUGHOUT THE COURSE OF THE WORK WHICH IS APPARENT BY A COMPLETE AND THOROUGH REVIEW OF EXISTING CONDITIONS AND ALL OF THE CONSTRUCTION DOCUMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PERFORM ALL DEMOLITION OPERATIONS REQUIRED FOR THIS PROJECT.
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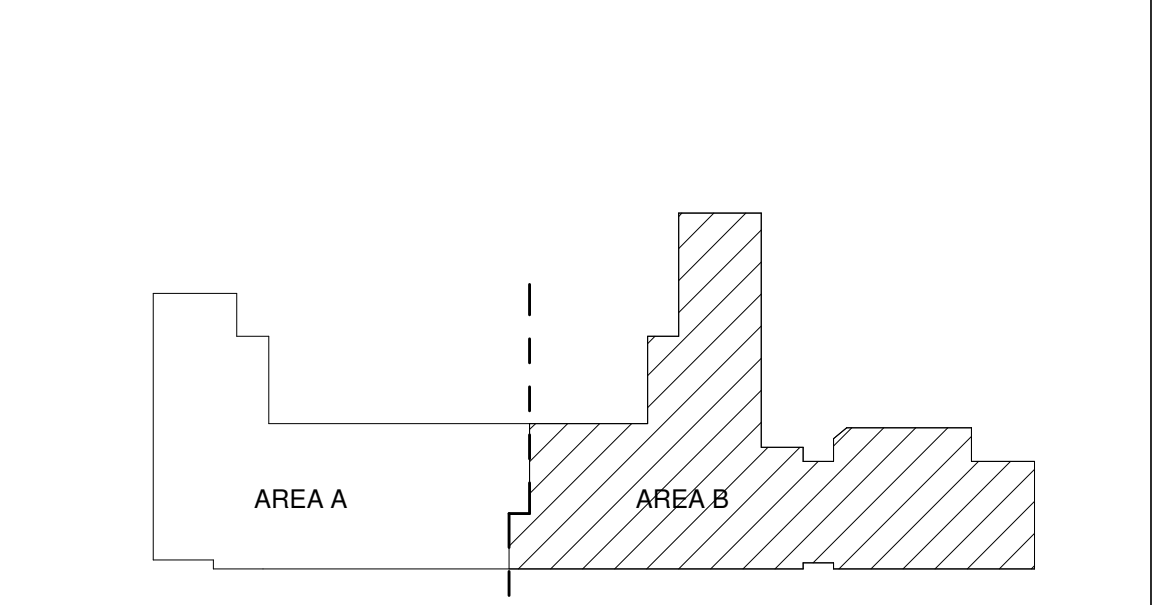
**REFERENCE KEYNOTES**

02 0100.09	EXISTING STEEL COLUMN TO REMAIN
02 4100.01	EXISTING WALL TO BE REMOVED IN ITS ENTIRETY
02 4100.02	PORTION OF EXISTING WALL TO BE REMOVED AS INDICATED
02 4100.03	EXISTING DOOR AND FRAME TO BE REMOVED
02 4100.04	EXISTING FLOORING TO BE REMOVED
02 4100.07	EXISTING METAL WALL PANEL SYSTEM AND WINDOWS TO BE REMOVED IN ITS ENTIRETY. PREP SILL, JAMBS AND HEAD FOR NEW WINDOW SYSTEM.
02 4100.20	EXISTING VENT PIPING AND PLASTER COVER TO BE REMOVED IN ITS ENTIRETY.
02 4100.22	EXISTING CHALKBOARD TO BE DISMANTLED AND SALVAGED TO OWNER

**LEGEND**

- EXISTING WALL TO REMAIN
- EXISTING TO REMAIN
- EXISTING TO BE REMOVED
- EXISTING DOOR TO BE REMOVED
- PORTION OF EXISTING CONCRETE SLAB TO BE REMOVED. REFER TO AD102 FOR ADDITIONAL INFORMATION
- NO WORK
- PORTION OF WORK TO BE COMPLETED AS PART OF BID LOT #1. REFER TO BID LOT SHEETS

**KEY PLAN**



**CONSTRUCTION DOCUMENTS**

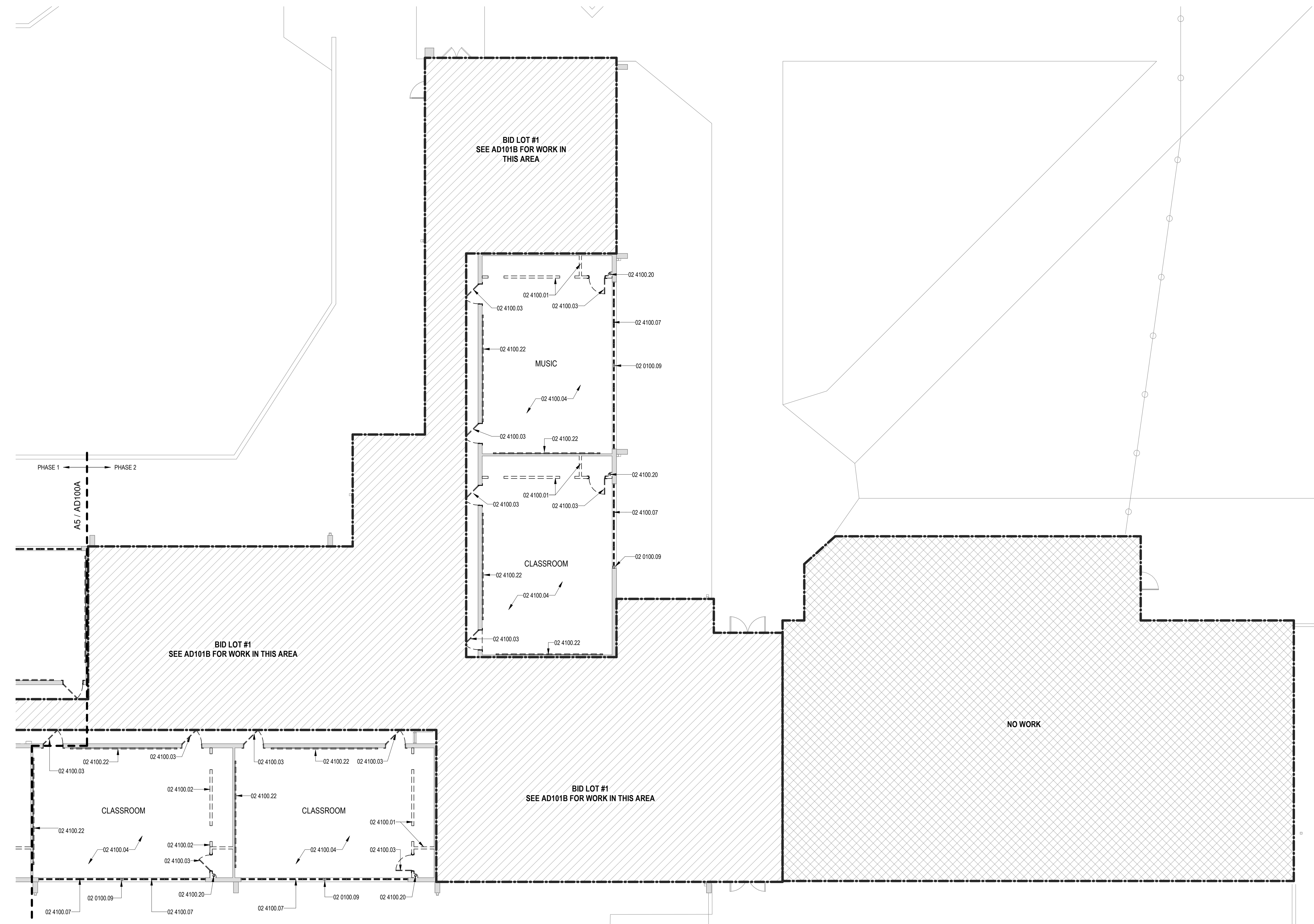
REVISIONS

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DRAWN BY	NW
REVIEWED BY	OK
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	DEMOLITION FLOOR PLAN - AREA B

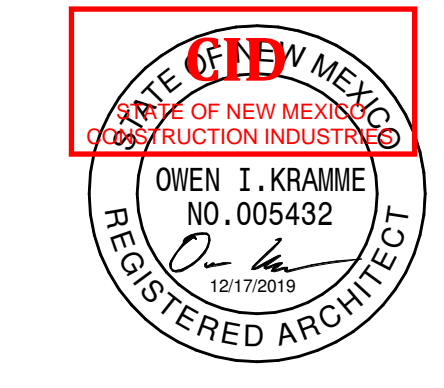
SHEET NO

AD100B



**A5** DEMOLITION FLOOR PLAN - AREA B  
1/8" = 1'-0"





SEAL

PROJECT



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**GENERAL SHEET NOTES**

- A. IT SHALL BE ASSUMED THAT THE CONTRACTOR HAS PHYSICALLY SURVEYED THE SITE TO OBTAIN A SOLID UNDERSTANDING OF EXISTING CONDITIONS, BOTH ON-SITE AND ADJACENT TO THE SITE, THAT WILL AFFECT SCHEDULING OF WORK INCLUDING DEMOLITION AND REMOVAL OF DEBRIS. ANY QUESTIONS OR DISCREPANCIES SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY.
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- M. ITEMS TO BE SALVAGED AND RELOCATED ARE NOTED IN KEYNOTES ON DEMOLITION PLAN.
- N. PATCH AND REPAIR SUB-FLOOR FOR NEW FLOOR FINISH AND NEW VINYL WALL BASE. COORDINATE ALL REMOVALS WITH NEW CONSTRUCTION AND THE OWNER.
- O. DURING DEMOLITION, ALL STRUCTURES, FINISHES, ETC. WHICH ARE NOT TO BE REMOVED ARE TO BE CAREFULLY PROTECTED FROM DAMAGE.
- P. PATCH, REPAIR OR REPLACE ANY ITEMS DAMAGED DURING DEMOLITION.
- Q. EXISTING FLOORING AND WALL BASE TO REMAIN UNLESS OTHERWISE NOTED. PROTECT FROM DAMAGE. PATCH, REPAIR, OR REPLACE ANY DAMAGE DURING CONSTRUCTION.
- R. REMOVE AND PROPERLY CAP PLUMBING AND ELECTRICAL CONNECTIONS ASSOCIATED WITH REMOVALS. RELOCATE ACCORDINGLY TO COORDINATE WITH NEW CONSTRUCTION.
- S. COORDINATE REMOVAL OF ALL EXISTING FLOOR FINISHES WITH NEW SCHEDULED FLOOR FINISHES.
- T. REPAIR CONCRETE AS REQUIRED RELATED TO ALL UTILITY IMPROVEMENTS.
- U. REFER TO PLUMBING DEMO SHEETS FOR SLAB SAWCUT LOCATIONS. FOR PATCHING DETAIL AT SLAB SAWCUT LOCATIONS REFER TO STRUCTURAL.
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- Y. ALL EXTERIOR PLASTER WALLS AND SCIFFS TO BE CLEANED AND PREPARED TO RECEIVE NEW PLASTER FINISH AS SPECIFIED. ALL EXISTING WALL & CEILING DEVICES ON EXTERIOR TO BE PROTECTED. REFERENCE SECTION 09 07 00 FOR ADDITIONAL INFORMATION.
- Z. NOT ALL ITEMS OF DEMOLITION ARE SHOWN ON THIS DEMOLITION PLAN. THERE ARE MANY SPECIFIC AND SMALL ITEMS OF DEMOLITION THAT WILL BE NECESSARY THROUGHOUT THE COURSE OF THE WORK WHICH IS APPARENT BY A COMPLETE AND THOROUGH REVIEW OF EXISTING CONDITIONS AND ALL OF THE CONSTRUCTION DOCUMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PERFORM ALL DEMOLITION OPERATIONS REQUIRED FOR THIS PROJECT.
- AA. CLEAN VAULTS OF ALL DEBRIS PRIOR TO NEW CONSTRUCTION. REMOVE ANY EXISTING EQUIPMENT, PIPING, ETC.

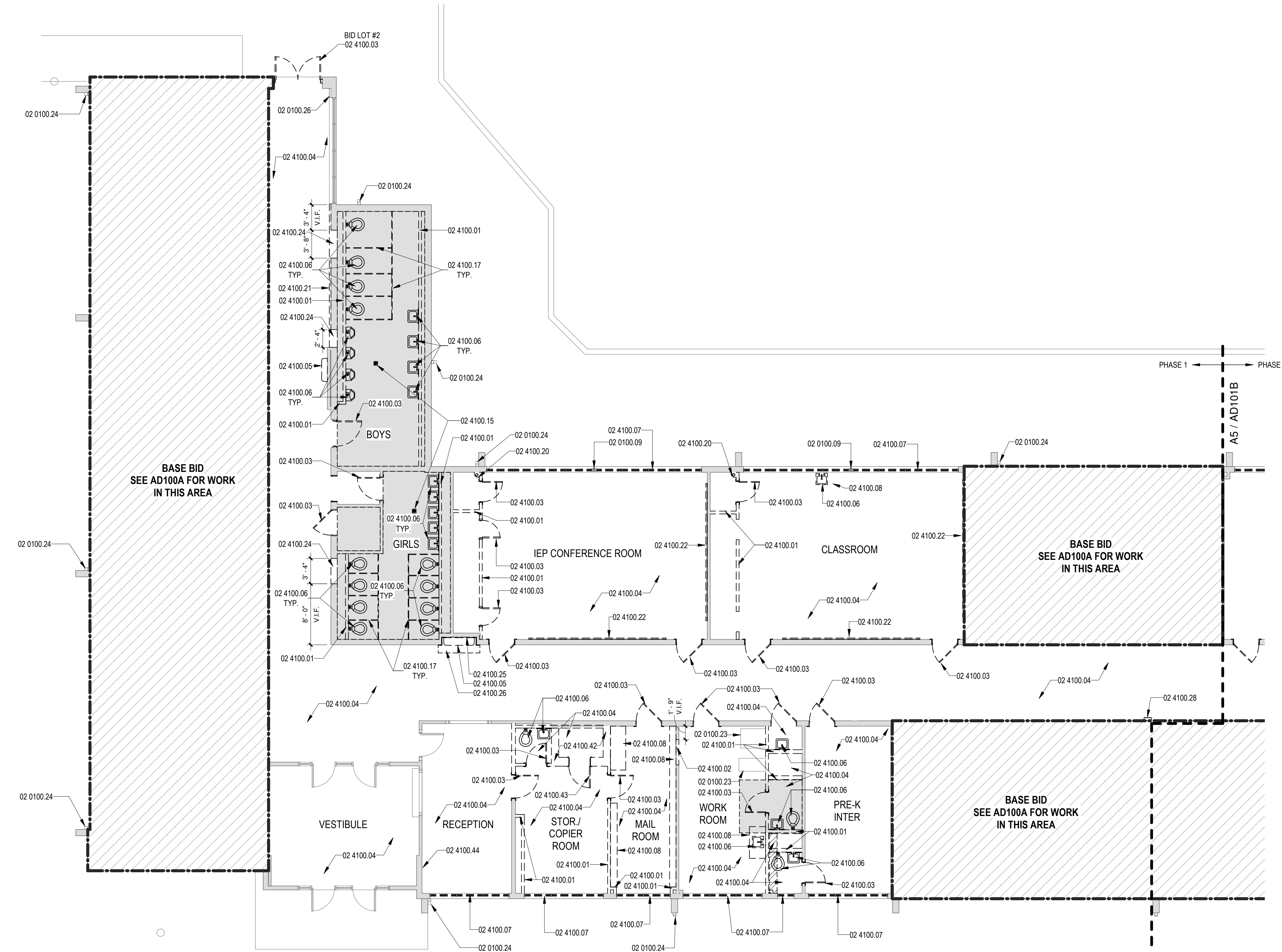
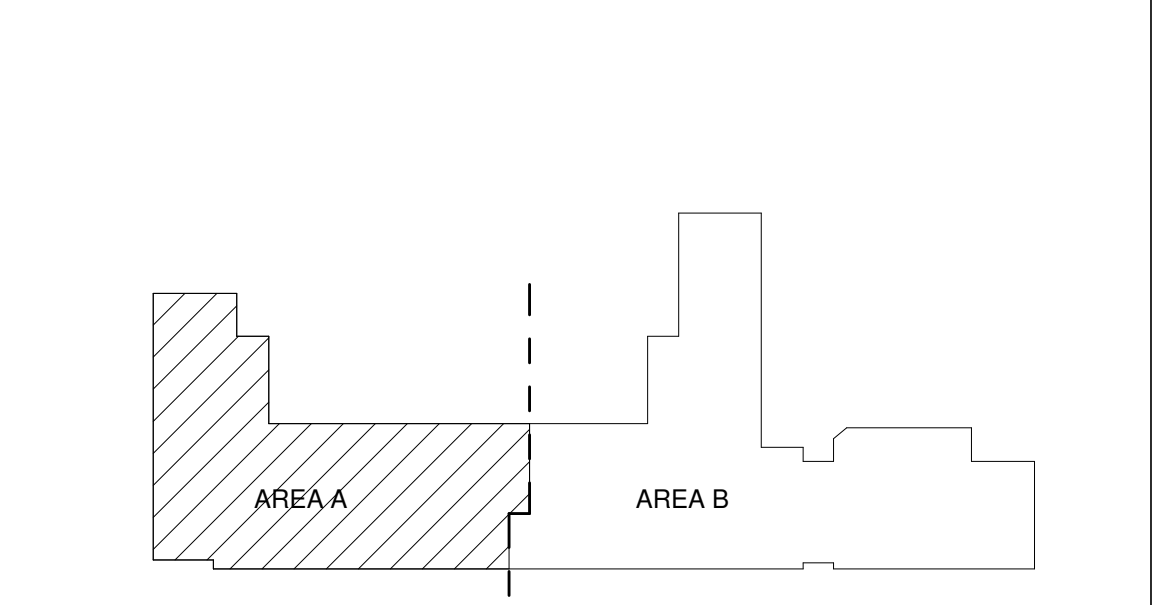
**REFERENCE KEYNOTES**

02 0100.09	EXISTING STEEL COLUMN TO REMAIN
02 0100.23	EXISTING DATA RACK TO REMAIN
02 0100.24	DISMANTLE EXISTING DOWNSPOUTS. REINSTALL DOWNSPOUTS AFTER NEW EXTERIOR WALL FINISH IS COMPLETE. STORE AS REQUIRED.
02 0100.26	EXISTING GLAZED BLOCK WANSCOT TO REMAIN
02 4100.01	EXISTING WALL TO BE REMOVED IN ITS ENTIRETY
02 4100.02	PORTION OF EXISTING WALL TO BE REMOVED AS INDICATED
02 4100.03	EXISTING DOOR AND FRAME TO BE REMOVED
02 4100.04	EXISTING FLOORING TO BE REMOVED
02 4100.05	EXISTING DRINKING FOUNTAIN TO BE REMOVED
02 4100.06	EXISTING PLUMBING FIXTURE TO BE REMOVED, REFER TO PLUMBING
02 4100.07	EXISTING METAL WALL PANEL SYSTEM AND WINDOWS TO BE REMOVED IN ITS ENTIRETY. PREP SILL, JAMBS AND HEAD FOR NEW WINDOW SYSTEM.
02 4100.08	EXISTING CASEWORK TO BE REMOVED IN ITS ENTIRETY
02 4100.15	EXISTING FLOOR DRAIN TO BE REMOVED
02 4100.17	EXISTING TOILET PARTITION TO BE REMOVED
02 4100.20	EXISTING VENT PIPING AND PLASTER COVER TO BE REMOVED IN ITS ENTIRETY.
02 4100.21	EXISTING WALL TILE WANSCOT TO BE REMOVED AND SALVAGED AS INDICATED. SALVAGED TILES TO BE REUSED TO REPLACE ANY DAMAGED TILE THROUGHOUT BUILDING
02 4100.22	EXISTING CHALKBOARD TO BE DISMANTLED AND SALVAGED TO OWNER
02 4100.24	PORTION OF EXISTING WALL TO BE REMOVED AS INDICATED. COORDINATE OPENING SIZE WITH NEW FRAME SIZE.
02 4100.25	WALL TILE AT EXISTING DRINKING FOUNTAINS TO BE REMOVED IN ITS ENTIRETY. PREP WALLS AS REQUIRED FOR NEW TILE AS SCHEDULED.
02 4100.26	FLOOR TILE AT EXISTING DRINKING FOUNTAINS TO BE REMOVED IN ITS ENTIRETY. PREP FLOORS AS REQUIRED FOR NEW FLOOR TILE AS SCHEDULED.
02 4100.28	EXISTING FIRE EXTINGUISHER CABINET TO BE REMOVED. SALVAGE TO OWNER
02 4100.42	EXISTING CONCRETE VAULT WALLS TO BE REMOVED IN THEIR ENTIRETY. CORRIDOR WALL TO REMAIN. DEMO TO ALLOW FOR NEW FRAMED WALL CONSTRUCTION.
02 4100.43	EXISTING WALL DOOR TO BE REMOVED AND SALVAGED TO OWNER.
02 4100.44	EXISTING TECHNOLOGY TO BE REMOVED AND RELOCATED. REFER TO TECHNOLOGY. COORDINATE SYSTEMS REMOVAL AND NEW INSTALLATION WITH OWNER.

**LEGEND**

- EXISTING WALL TO REMAIN
- EXISTING TO REMAIN
- EXISTING TO BE REMOVED
- EXISTING DOOR TO BE REMOVED
- PORTION OF EXISTING CONCRETE SLAB TO BE REMOVED. REFER TO AD102 FOR ADDITIONAL INFORMATION.
- NO WORK
- PORTION OF WORK TO BE COMPLETED AS PART OF BASE BID. REFER TO BASE BID SHEETS

**KEY PLAN**



DEMOLITION FLOOR PLAN - AREA A  
BID LOT #1  
1/8" = 1'-0"

**CONSTRUCTION DOCUMENTS**

**REVISIONS**

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- △
- △
- △
- △

DRAWN BY	NW
REVIEWED BY	OK
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

**DEMOLITION FLOOR PLAN - AREA A - BID LOT #1**

SHEET NO  
**AD101A**





SEAL

PROJECT



Brown Early Childhood Center  
Old Wing Renovation  
520 W 5th St, Portales, NM 88130

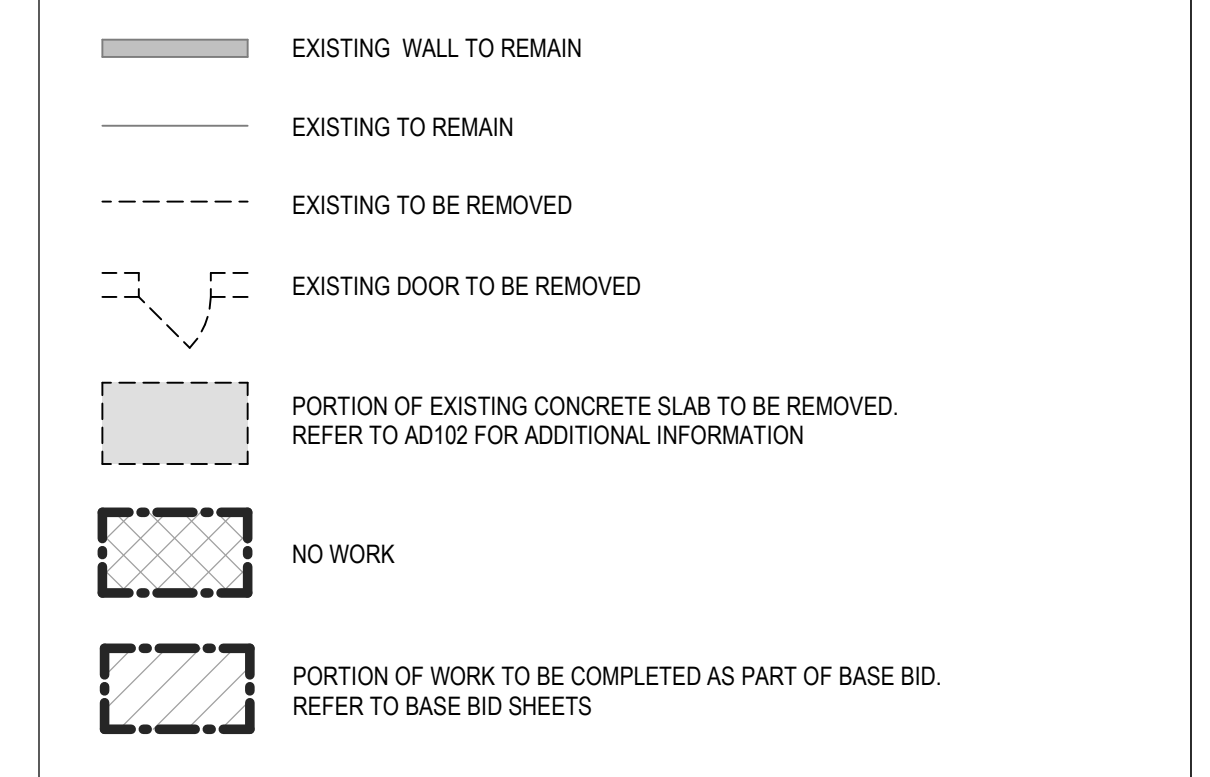
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I. EXISTING UTILITIES ARE SHOWN FOR REFERENCE ONLY...
J. UTILITIES SCHEDULED FOR DEMOLITION SHALL BE CARRIED OFF AS CLOSE TO THE SOURCE AS POSSIBLE...
K. EXISTING UTILITY STUDS THAT REMAIN SHALL BE DOCUMENTED ON SURVEYED AS-BUILT DRAWINGS...
L. CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT UTILITIES TO REMAIN BUILDINGS ADJACENT TO THE SITE REMAIN OPERATIONAL...
M. ITEMS TO BE SALVAGED AND RELOCATED ARE NOTED IN KEYNOTES ON DEMOLITION PLAN...
N. PATCH AND REPAIR SUB-FLOOR FOR NEW FLOOR FINISH AND NEW VINYL WALL BASE...
O. DURING DEMOLITION, ALL STRUCTURES, FINISHES, ETC. WHICH ARE NOT TO BE REMOVED ARE TO BE CAREFULLY PROTECTED FROM DAMAGE...
P. PATCH, REPAIR OR REPLACE ANY ITEMS DAMAGED DURING DEMOLITION...
Q. EXISTING FLOORING AND WALL BASE TO REMAIN UNLESS OTHERWISE NOTED...
R. REMOVE AND PROPERLY CAP PLUMBING AND ELECTRICAL CONNECTIONS ASSOCIATED WITH REMOVALS...
S. COORDINATE REMOVAL OF ALL EXISTING FLOOR FINISHES WITH NEW SCHEDULED FLOOR FINISHES...
T. REPAIR CONCRETE AS REQUIRED RELATED TO ALL UTILITY IMPROVEMENTS...
U. REFER TO PLUMBING DEMO SHEETS FOR SLAB SAWCUT LOCATIONS...
V. ALL EXISTING WALL & CEILING DEVICES IN CLASSROOMS TO BE REMOVED...
W. ASBESTOS ABATEMENT TO BE PROVIDED BY OWNER...
X. ALL LOCKSETS FROM EXISTING DOORS TO BE CAREFULLY REMOVED AND SALVAGED...
Y. ALL EXTERIOR PLASTER WALLS AND SCIFFS TO BE CLEANED AND PREPARED...
Z. NOT ALL ITEMS OF DEMOLITION ARE SHOWN ON THIS DEMOLITION PLAN...
AA. CLEAN VAULTS OF ALL DEBRIS PRIOR TO NEW CONSTRUCTION...

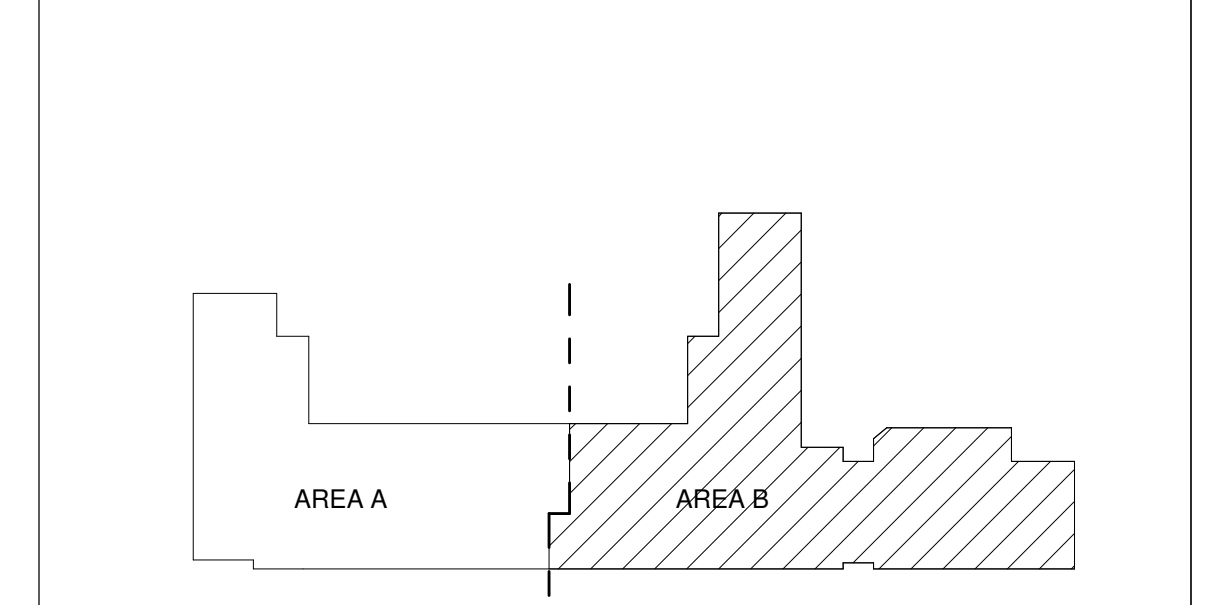
REFERENCE KEYNOTES

Table with 2 columns: Keynote ID and Description. Includes items like 02 0100.09 EXISTING STEEL COLUMN TO REMAIN, 02 0100.16 EXISTING PORTABLE FIRE EXTINGUISHER TO BE RELOCATED, 02 0100.18 EXISTING FRIDGE TO BE RELOCATED, etc.

LEGEND



KEY PLAN



CONSTRUCTION DOCUMENTS

REVISIONS

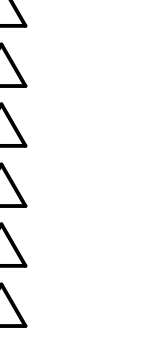
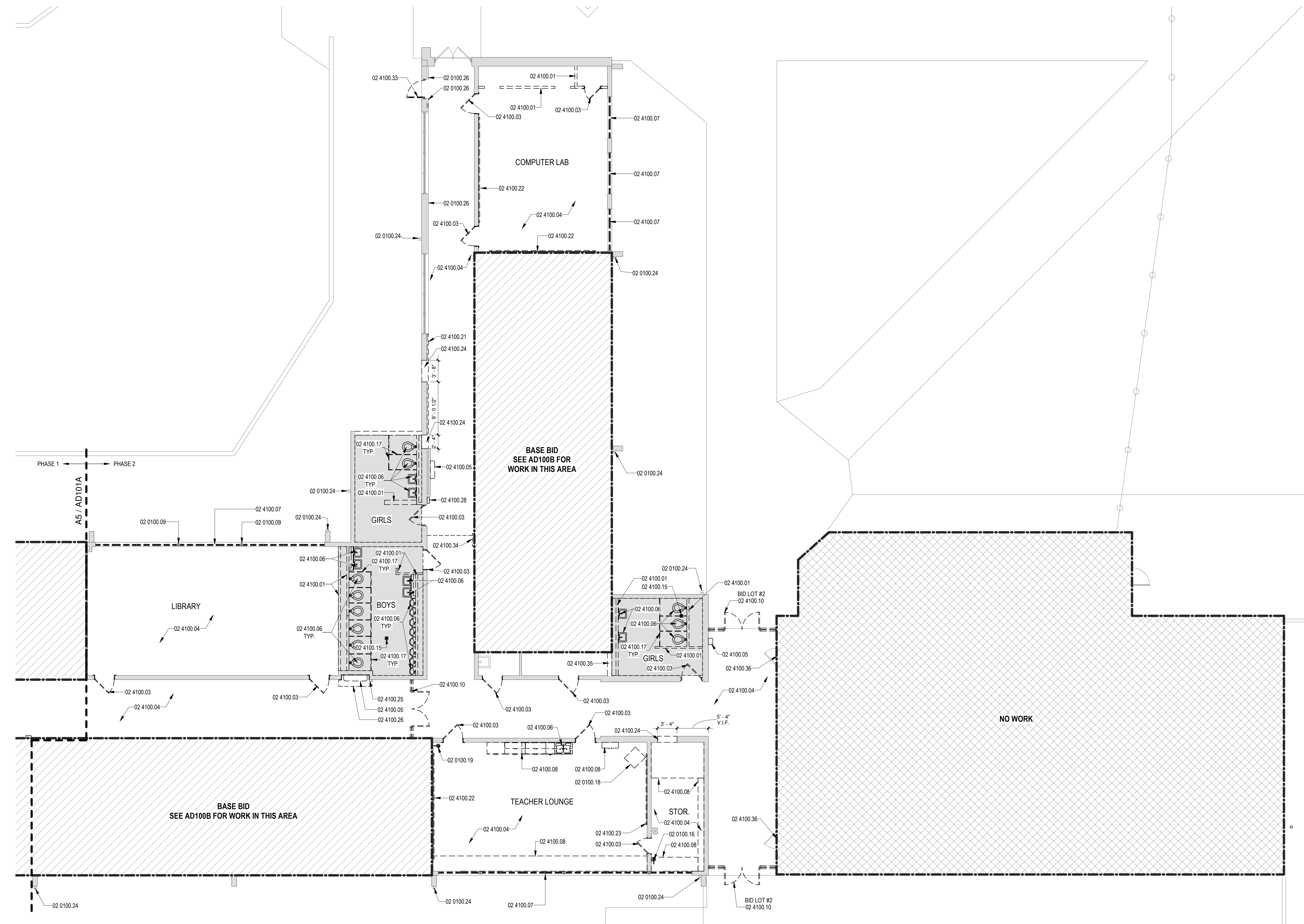


Table with columns: DRAWN BY (NW), REVIEWED BY (OK), DATE (12/10/2019), PROJECT NO (18-0032), PSFA PRE-K PROJECT NO (K-18-011), PSFA SYSTEMS PROJECT NO (S-20-008), DRAWING NAME (DEMOLITION FLOOR PLAN - AREA B - BID LOT #1).

SHEET NO AD101B



DEMOLITION FLOOR PLAN - AREA B  
BID LOT #1  
1/8" = 1'-0"



GENERAL SHEET NOTES

- A. IT SHALL BE ASSUMED THAT THE CONTRACTOR HAS PHYSICALLY SURVEYED THE SITE TO OBTAIN A SOLID UNDERSTANDING OF EXISTING CONDITIONS, BOTH ON-SITE AND ADJACENT TO THE SITE, THAT WILL AFFECT SCHEDULING OF WORK INCLUDING DEMOLITION AND REMOVAL OF DEBRIS. ANY QUESTIONS OR DISCREPANCIES SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY.
- B. CONTRACTOR IS TO FIELD VERIFY EXISTING SITE CONDITIONS AND DIMENSIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. CHANGES IN DETAILING MAY BE REQUIRED AS A RESULT OF NEW FINDINGS DURING CONSTRUCTION.
- C. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD.
- D. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFETY MEASURES TO PROTECT PEDESTRIANS, VEHICLES, AND ALL EXISTING IMPROVEMENTS TO REMAIN.
- E. UNLESS OTHERWISE INDICATED, COORDINATE WITH OWNER ITEMS TO BE REMOVED. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL DEMOLISHED ITEMS.
- F. UNLESS OTHERWISE INDICATED, ALL DEMOLITION ITEMS ARE TO BE REMOVED TO A LEGAL WASTE FACILITY. CONTRACTOR IS RESPONSIBLE FOR SUPPLYING REFUSE CONTAINERS TO HANDLE ALL DEBRIS TO BE REMOVED, AS WELL AS PROVIDING ALL FEES ASSOCIATED WITH REMOVAL AND DISPOSAL OF REMOVED ITEMS.
- G. CONTRACTOR TO COORDINATE ALL PENETRATIONS THROUGH NEW AND EXISTING WALLS, ROOF AND FLOOR WITH MEP AND STRUCTURAL.
- H. CONTRACTOR TO COORDINATE THE INSTALLATION OF ANY UTILITY WITH ALL EXISTING CONDITIONS. ROUTE UTILITY TO MINIMIZE THE AMOUNT OF REPAIR TO EXISTING UTILITIES, IRRIGATION, STORM WATER, CONCRETE, ASPHALT, AND LANDSCAPING. COORDINATE WITH CIVIL.
- I. EXISTING UTILITIES ARE SHOWN FOR REFERENCE ONLY. NOT ALL EXISTING UTILITIES APPEAR ON THIS SHEET. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING UTILITY LOCATIONS BEFORE EXCAVATING. SEE CIVIL AND ELECTRICAL PLANS FOR UTILITIES.
- J. UTILITIES SCHEDULED FOR DEMOLITION SHALL BE CAPPED OFF AS CLOSE TO THE SOURCE AS POSSIBLE AND COMPLETELY REMOVED. UTILITY DEMOLITION IS TO BE COMPLETE INSIDE THE LIMITS ON WORK AND INCLUDES, BUT IS NOT LIMITED TO: CONDUIT, PIPE, WIRES, ANCHORS, TIES, ETC.
- K. EXISTING UTILITY STUDIES THAT REMAIN SHALL BE DOCUMENTED ON SURVEYED AS-BUILT DRAWINGS THAT SHALL BE TURNED OVER TO THE OWNER AT CONTRACT CLOSE OUT.
- L. CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT UTILITIES TO REMAINING BUILDINGS ADJACENT TO THE SITE REMAIN OPERATIONAL. IF UTILITIES TO BE ADJACENT ARE AFFECTED, THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE TIMING AND DURATION WITH THE OWNER.
- M. ITEMS TO BE SALVAGED AND RELOCATED ARE NOTED IN KEYNOTES ON DEMOLITION PLAN.
- N. PATCH AND REPAIR SUB-FLOOR FOR NEW FLOOR FINISHES AND NEW VINYL WALL BASE. COORDINATE ALL REMOVALS WITH NEW CONSTRUCTION AND THE OWNER.
- O. DURING DEMOLITION, ALL STRUCTURES, FINISHES, ETC. WHICH ARE NOT TO BE REMOVED ARE TO BE CAREFULLY PROTECTED FROM DAMAGE.
- P. PATCH, REPAIR OR REPLACE ANY ITEMS DAMAGED DURING DEMOLITION.
- Q. EXISTING FLOORING AND WALL BASE TO REMAIN UNLESS OTHERWISE NOTED. PROTECT FROM DAMAGE. PATCH, REPAIR, OR REPLACE ANY DAMAGE DURING CONSTRUCTION.
- R. REMOVE AND PROPERLY CAP PLUMBING AND ELECTRICAL CONNECTIONS ASSOCIATED WITH REMOVALS. RELOCATE ACCORDINGLY TO COORDINATE WITH NEW CONSTRUCTION.
- S. COORDINATE REMOVAL OF ALL EXISTING FLOOR FINISHES WITH NEW SCHEDULED FLOOR FINISHES.
- T. REPAIR CONCRETE AS REQUIRED RELATED TO ALL UTILITY IMPROVEMENTS.
- U. REFER TO PLUMBING DEMO SHEETS FOR SLAB SAWCUT LOCATIONS. FOR PATCHING DETAIL AT SLAB SAWCUT LOCATIONS REFER TO STRUCTURAL.
- V. ALL EXISTING WALL & CEILING DEVICES IN CLASSROOMS TO BE REMOVED. ITEMS INCLUDED BUT NOT LIMITED TO EXISTING CHALKBOARDS, CUBBIES, CASEWORK, WALL CLOCKS, SPEAKERS, DISPENSERS, CONDUIT, ETC.
- W. ASBESTOS ABATEMENT TO BE PROVIDED BY OWNER. CONTRACTOR TO COORDINATE SCHEDULING WITH OWNER PRIOR TO COMMENCEMENT OF WORK. COORDINATE ABATEMENT WITH CONSTRUCTION PHASING. ABATEMENT FOR EACH PHASE MUST BE COMPLETED IN THE AREA PRIOR TO CONSTRUCTION.
- X. ALL LOCKSETS FROM EXISTING DOORS TO BE CAREFULLY REMOVED AND SALVAGED TO BE REUSED ON NEW DOORS. REFER TO DOOR SCHEDULE A521.
- Y. ALL EXTERIOR PLASTER WALLS AND SCOFFITS TO BE CLEANED AND PREPARED TO RECEIVE NEW PLASTER FINISH AS SPECIFIED. ALL EXISTING WALL & CEILING DEVICES ON EXTERIOR TO BE PROTECTED. REFERENCE SECTION 09 0710 FOR ADDITIONAL INFORMATION.
- Z. NOT ALL ITEMS OF DEMOLITION ARE SHOWN ON THIS DEMOLITION PLAN. THERE ARE MANY SPECIFIC AND SMALL ITEMS OF DEMOLITION THAT WILL BE NECESSARY THROUGHOUT THE COURSE OF THE WORK WHICH IS APPARENT BY A COMPLETE AND THOROUGH REVIEW OF EXISTING CONDITIONS AND ALL OF THE CONSTRUCTION DOCUMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PERFORM ALL DEMOLITION OPERATIONS REQUIRED FOR THIS PROJECT.

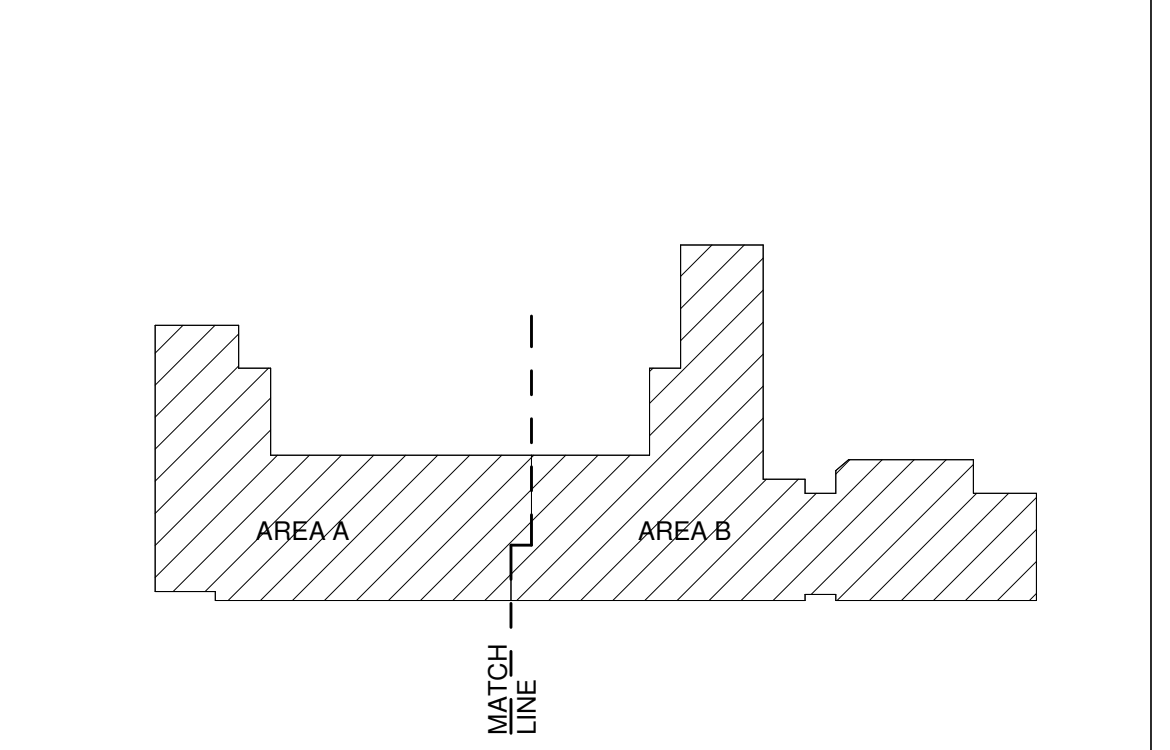
REFERENCE KEYNOTES

02 4100.46	HATCHED AREA DENOTES PLUMBING SAWCUT LOCATIONS. EXTENTS TO BE ADEQUATE FOR NEW TOILET AND FLOOR DRAIN INSTALLATION. UTILIZE EXISTING FLOOR VAULT IF AVAILABLE TO AVOID ADDITIONAL SAW CUTTING. CORE DRILL SLABS AT THESE LOCATIONS. PROTECT, PATCH AND REPAIR ADJACENT FLOORING AS NECESSARY.
02 4100.47	HATCHED AREA DENOTES PORTION OF EXISTING SLAB TO BE SAWCUT AND REMOVED. EXACT LOCATION UNKNOWN. COORDINATE LOCATION WITH PLUMBING LINE TO BE REMOVED.
02 4100.48	HATCHED AREA DENOTES PORTION OF EXISTING SLAB TO BE REMOVED IN ITS ENTIRETY.
03 3000.01	HATCHED AREA DENOTES 2" RECESSED SLAB TO ACCEPT FLOOR TILE SYSTEM. COORDINATE EXACT EXTENTS OF RECESS WITH ARCHITECTURAL REQUIREMENTS. REFER TO STRUCTURAL FOR SLAB DETAIL.
03 3000.02	HATCHED AREA DENOTES NEW SLAB ON GRADE. FINISH LEVEL AND DEPTH TO MATCH EXISTING SLABS. REFER TO STRUCTURAL.
03 3000.03	HATCHED AREA DENOTES NEW CONCRETE SLAB INFILL TO MATCH ADJACENT SLAB.

LEGEND

- PORTION OF EXISTING CONCRETE SLAB TO BE SAWCUT
- PORTION OF EXISTING CONCRETE SLAB TO BE REMOVED
- NO WORK
- NEW CONCRETE SLAB. FINISH HEIGHT TO MATCH EXISTING SLAB
- NEW CONCRETE SLAB. RECESSED 2" TO ACCEPT FLOOR TILE SYSTEM

KEY PLAN

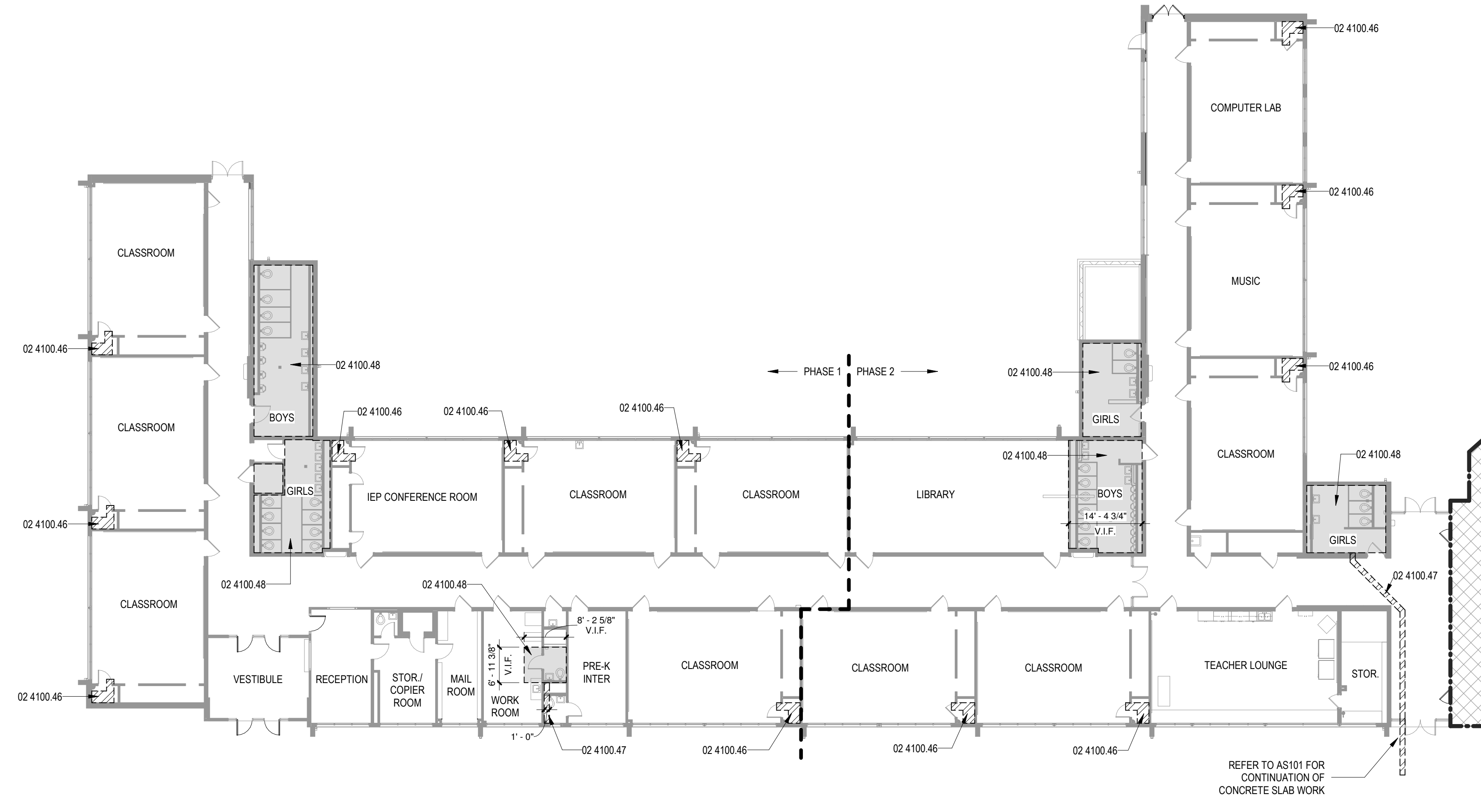


CONSTRUCTION DOCUMENTS

- REVISIONS
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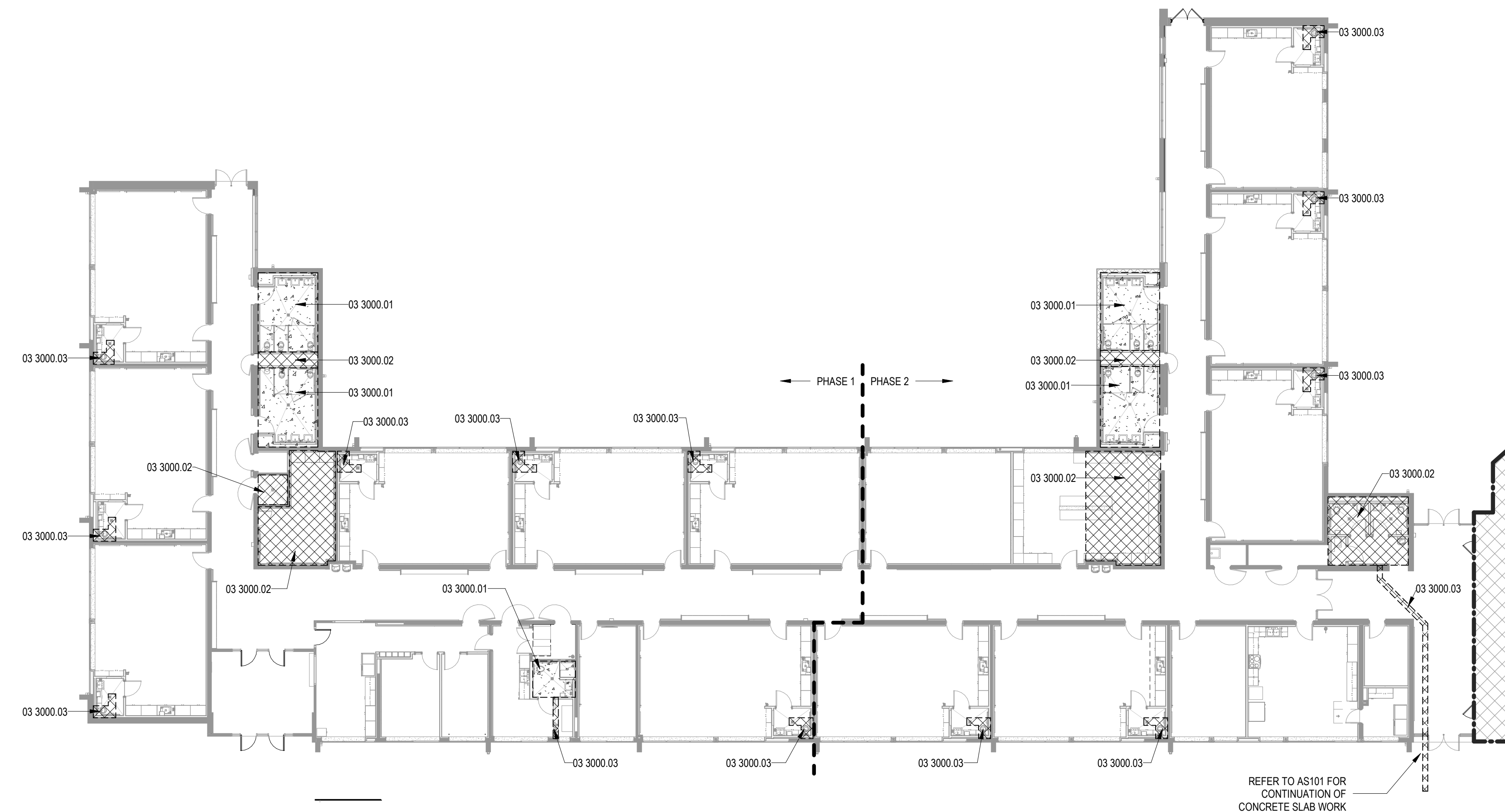
DRAWN BY	NW
REVIEWED BY	OK
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

EXISTING SLAB DEMOLITION PLAN AND NEW SLAB PLAN



D5 EXISTING SLAB DEMOLITION PLAN  
1/16" = 1'-0"

THIS SHEET IS FOR REFERENCE ONLY. BASE BID AND ALL BID LOTS ARE SHOWN TOGETHER FOR CLARITY



A5 NEW SLAB PLAN  
1/16" = 1'-0"





SEAL

PROJECT



Brown Early Childhood Center  
Old Wing Renovation  
520 W 5th St, Portales, NM 88130

CONSTRUCTION DOCUMENTS

REVISIONS

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DRAWN BY	NW
REVIEWED BY	OK
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

DEMOLITION REFLECTED CEILING PLAN - AREA A

SHEET NO  
AD120A

GENERAL SHEET NOTES

- A. CONTRACTOR SHALL BECOME FAMILIAR WITH THE SITE TO OBTAIN AN UNDERSTANDING OF EXISTING CONDITIONS BOTH ON SITE AND ADJACENT TO THE SITE THAT WILL AFFECT SCHEDULING OF WORK INCLUDING DEMOLITION AND REMOVAL OF DEBRIS. ANY QUESTIONS OR DISCREPANCIES SHALL BE BROUGHT TO THE ARCHITECTS ATTENTION IMMEDIATELY.
- B. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD.
- C. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFETY MEASURES TO PROTECT PEDESTRIANS, VEHICLES, AND ALL EXISTING IMPROVEMENTS TO REMAIN.
- D. EXISTING UTILITIES ARE SHOWN FOR REFERENCE ONLY. NOT ALL EXISTING UTILITIES APPEAR ON THIS SHEET. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING UTILITY LOCATIONS BEFORE EXCAVATING. SEE CIVIL AND ELECTRICAL PLANS FOR UTILITIES.
- E. EXISTING UTILITY STUBS THAT REMAIN SHALL BE DOCUMENTED ON SURVEYED AS-BUILT DRAWINGS THAT SHALL BE TURNED OVER TO THE OWNER AT CONTRACT CLOSE OUT.
- F. CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT UTILITIES TO REMAINING BUILDINGS ADJACENT TO THE SITE REMAIN OPERATIONAL. IF UTILITIES TO ADJACENT BUILDINGS ARE AFFECTED, THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE TIMING AND DURATION WITH THE OWNER.
- G. DEMOLITION ITEMS SHALL BE REMOVED AND DISPOSED OF LEGALLY. CONTRACTOR IS RESPONSIBLE FOR SUPPLYING REFUSE CONTAINERS TO HANDLE ALL DEBRIS TO BE REMOVED. CONTRACTOR IS RESPONSIBLE FOR PAYING FEES ASSOCIATED WITH REMOVAL AND DISPOSAL OF REMOVED ITEMS.
- H. ITEMS TO BE SALVAGED AND RELOCATED ON SITE ARE NOTED IN KEYNOTES ON DEMOLITION PLAN.
- I. EXISTING SITE ITEMS (NOTED OR NOT) TO REMAIN, SHALL BE PROTECTED AND REMAIN OPERATIONAL DURING CONSTRUCTION. ANY DAMAGE TO EXISTING ITEMS TO REMAIN, DUE TO CONSTRUCTION, SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.
- J. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFETY MEASURES TO PROTECT PEDESTRIANS, VEHICLES, AND ALL EXISTING STRUCTURES TO REMAIN.
- K. ALL TREES AND SHRUBS NOT INDICATED ON THIS PLAN TO BE REMOVED SHALL BE PROTECTED DURING CONSTRUCTION.
- L. CONTRACTOR TO COORDINATE WITH OWNER FOR ALLOWABLE STAGING AREAS DURING CONSTRUCTION.
- M. REFER TO CD-101 FOR ADDITIONAL DEMOLITION INFORMATION.
- N. REMOVE ALL EXISTING FIBER PANEL CEILING TILES, NAELERS AND TRIM IN ITS ENTIRETY THROUGHOUT SCHOOL EXCLUDING GYMNASIUM. REFER TO E5/AD120A.
- O. ANY RELATED CEILING ITEMS NOT SPECIFICALLY NOTED ARE TO BE REMOVED, INCLUDING BUT NOT LIMITED TO LIGHTING, SENSORS, ALARMS, ETC.
- P. NOT ALL ITEMS OF DEMOLITION ARE SHOWN ON THIS DEMOLITION PLAN. THERE ARE MANY SPECIFIC AND SMALL ITEMS OF DEMOLITION THAT WILL BE NECESSARY THROUGHOUT THE COURSE OF THE WORK WHICH IS APPARENT BY A COMPLETE AND THOROUGH REVIEW OF EXISTING CONDITIONS AND ALL OF THE CONSTRUCTION DOCUMENTS. IT IS THE CONTRACTORS RESPONSIBILITY TO PERFORM ALL DEMOLITION OPERATIONS REQUIRED FOR THIS PROJECT.

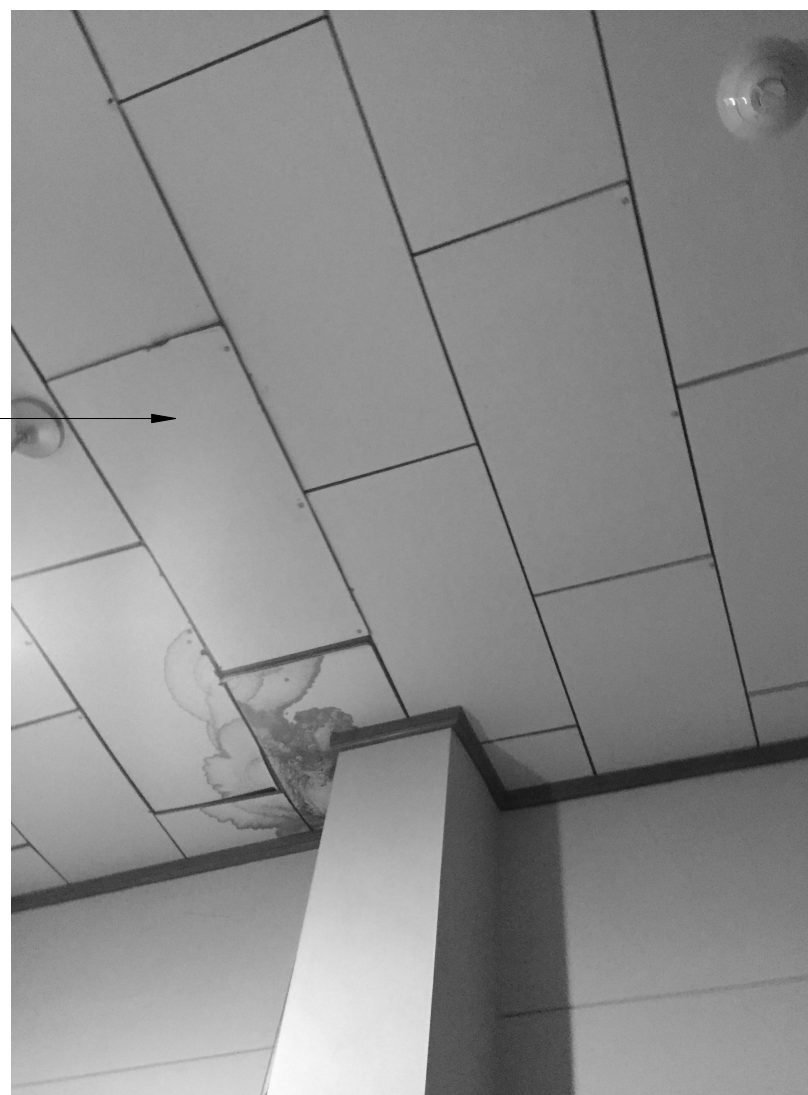
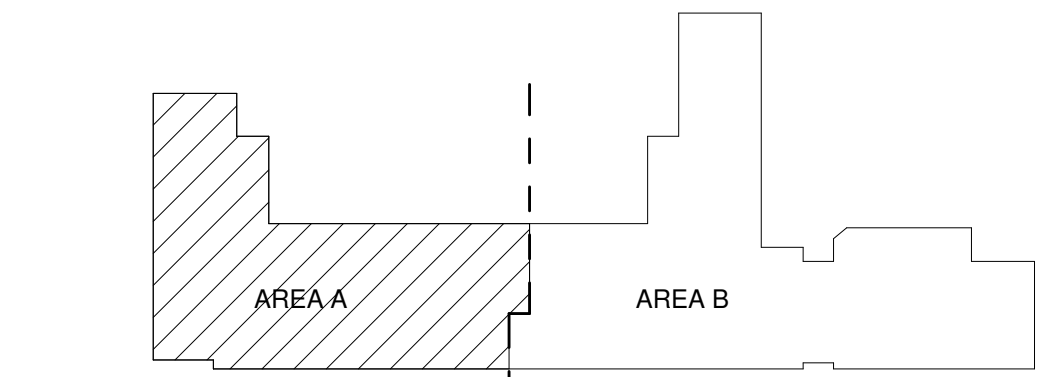
REFERENCE KEYNOTES

02 4100.07	EXISTING METAL WALL PANEL SYSTEM AND WINDOWS TO BE REMOVED IN ITS ENTIRETY. PREP SILL, JAMBS AND HEAD FOR NEW WINDOW SYSTEM.
02 4100.11	EXISTING CEILING TO BE REMOVED.
02 4100.12	EXISTING CEILING AND GRID AND EXISTING FIBER PANEL CEILING TO BE REMOVED.
02 4100.16	EXISTING LIGHT FIXTURES TO BE REMOVED. REFER TO ELECTRICAL.
02 4100.32	PORTION OF WALL ABOVE EXISTING WINDOW OPENING TO BE REMOVED IN ITS ENTIRETY TO ALLOW FOR INSTALLATION OF NEW WINDOW SYSTEM. SAWCUT CEMENTITIOUS SOFFIT PLASTER AS REQUIRED TO ALLOW FOR NEW CONSTRUCTION.

LEGEND

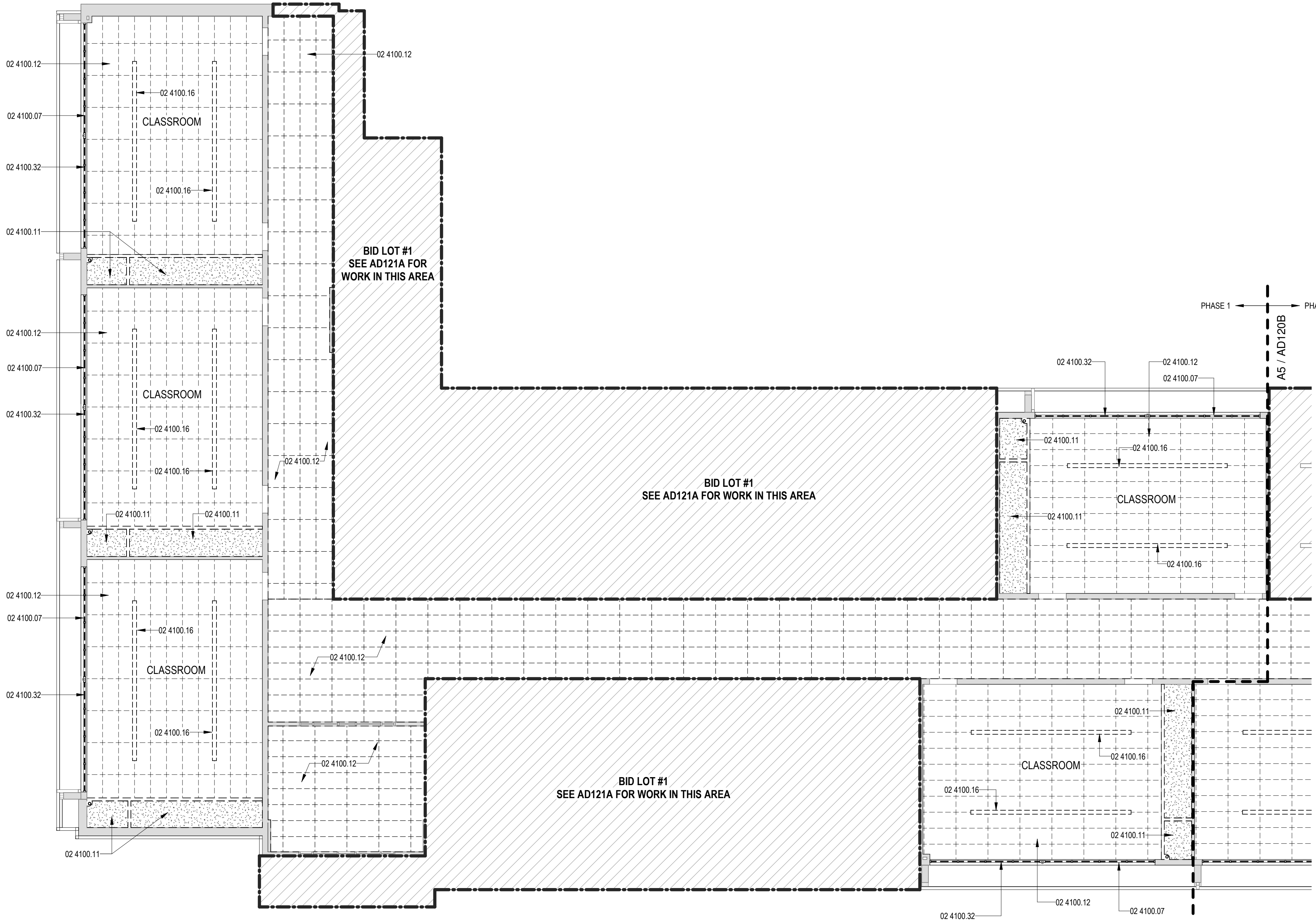
- EXISTING GYPSUM BOARD CEILING SYSTEM
- EXISTING 2' X 4' ACOUSTICAL LAY-IN CEILING SYSTEM TO REMAIN
- EXISTING GYPSUM BOARD CEILING SYSTEM TO BE REMOVED
- EXISTING 2' X 4' ACOUSTICAL LAY-IN CEILING SYSTEM TO BE REMOVED
- EXISTING 2' X 4' LIGHT FIXTURE TO BE REMOVED
- EXISTING 2' X 4' LIGHT FIXTURE TO REMAIN
- EXISTING TO REMAIN
- EXISTING TO BE REMOVED
- NO WORK
- PORTION OF WORK TO BE COMPLETED AS PART OF BID LOT #1. REFER TO BID LOT SHEETS

KEY PLAN



EXISTING FIBER PANEL CEILING TO BE REMOVED IN ITS ENTIRETY THROUGHOUT SCHOOL

**E5** EXISTING FIBER PANEL CEILING  
1/12" = 1'-0"



**A5** DEMOLITION REFLECTED CEILING PLAN - AREA A  
1/8" = 1'-0"





SEAL

PROJECT



Brown Early Childhood Center  
Old Wing Renovation  
520 W 5th St, Portales, NM 88130

CONSTRUCTION DOCUMENTS

REVISIONS

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Table with columns: DRAWN BY (NW), REVIEWED BY (OK), DATE (12/10/2019), PROJECT NO (18-0032), PSFA PRE-K PROJECT NO (K-18-011), PSFA SYSTEMS PROJECT NO (S-20-008), DRAWING NAME (DEMOLITION REFLECTED CEILING PLAN - AREA B)

DEMOLITION REFLECTED CEILING PLAN - AREA B

SHEET NO

AD120B

GENERAL SHEET NOTES

- A. CONTRACTOR SHALL BECOME FAMILIAR WITH THE SITE TO OBTAIN AN UNDERSTANDING OF EXISTING CONDITIONS BOTH ON SITE AND ADJACENT TO THE SITE THAT WILL AFFECT SCHEDULING OF WORK INCLUDING DEMOLITION AND REMOVAL OF DEBRIS. ANY QUESTIONS OR DISCREPANCIES SHALL BE BROUGHT TO THE ARCHITECTS ATTENTION IMMEDIATELY.
- B. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD.
- C. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFETY MEASURES TO PROTECT PEDESTRIANS, VEHICLES, AND ALL EXISTING IMPROVEMENTS TO REMAIN.
- D. EXISTING UTILITIES ARE SHOWN FOR REFERENCE ONLY. NOT ALL EXISTING UTILITIES APPEAR ON THIS SHEET. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING UTILITY LOCATIONS BEFORE EXCAVATING. SEE CIVIL AND ELECTRICAL PLANS FOR UTILITIES.
- E. EXISTING UTILITY STUBS THAT REMAIN SHALL BE DOCUMENTED ON SURVEYED AS-BUILT DRAWINGS THAT SHALL BE TURNED OVER TO THE OWNER AT CONTRACT CLOSE OUT.
- F. CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT UTILITIES TO REMAINING BUILDINGS ADJACENT TO THE SITE REMAIN OPERATIONAL. IF UTILITIES TO ADJACENT BUILDINGS ARE AFFECTED, THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE TIMING AND DURATION WITH THE OWNER.
- G. DEMOLITION ITEMS SHALL BE REMOVED AND DISPOSED OF LEGALLY. CONTRACTOR IS RESPONSIBLE FOR SUPPLYING REFUSE CONTAINERS TO HANDLE ALL DEBRIS TO BE REMOVED. CONTRACTOR IS RESPONSIBLE FOR PAYING FEES ASSOCIATED WITH REMOVAL AND DISPOSAL OF REMOVED ITEMS.
- H. ITEMS TO BE SALVAGED AND RELOCATED ON SITE ARE NOTED IN KEYNOTES ON DEMOLITION PLAN.
- I. EXISTING SITE ITEMS (NOTED OR NOT) TO REMAIN, SHALL BE PROTECTED AND REMAIN OPERATIONAL DURING CONSTRUCTION. ANY DAMAGE TO EXISTING ITEMS TO REMAIN, DUE TO CONSTRUCTION, SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.
- J. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFETY MEASURES TO PROTECT PEDESTRIANS, VEHICLES, AND ALL EXISTING STRUCTURES TO REMAIN.
- K. ALL TREES AND SHRUBS NOT INDICATED ON THIS PLAN TO BE REMOVED SHALL BE PROTECTED DURING CONSTRUCTION.
- L. CONTRACTOR TO COORDINATE WITH OWNER FOR ALLOWABLE STAGING AREAS DURING CONSTRUCTION.
- M. REFER TO CD-101 FOR ADDITIONAL DEMOLITION INFORMATION.
- N. REMOVE ALL EXISTING FIBER PANEL CEILING TILES, NAELERS AND TRIM IN ITS ENTIRETY THROUGHOUT SCHOOL EXCLUDING GYMNASIUM. REFER TO ESI/020A.
- O. ANY RELATED CEILING ITEMS NOT SPECIFICALLY NOTED ARE TO BE REMOVED, INCLUDING BUT NOT LIMITED TO LIGHTING, SENSORS, ALARMS, ETC.
- P. NOT ALL ITEMS OF DEMOLITION ARE SHOWN ON THIS DEMOLITION PLAN. THERE ARE MANY SPECIFIC AND SMALL ITEMS OF DEMOLITION THAT WILL BE NECESSARY THROUGHOUT THE COURSE OF THE WORK WHICH IS APPARENT BY A COMPLETE AND THOROUGH REVIEW OF EXISTING CONDITIONS AND ALL OF THE CONSTRUCTION DOCUMENTS. IT IS THE CONTRACTORS RESPONSIBILITY TO PERFORM ALL DEMOLITION OPERATIONS REQUIRED FOR THIS PROJECT.

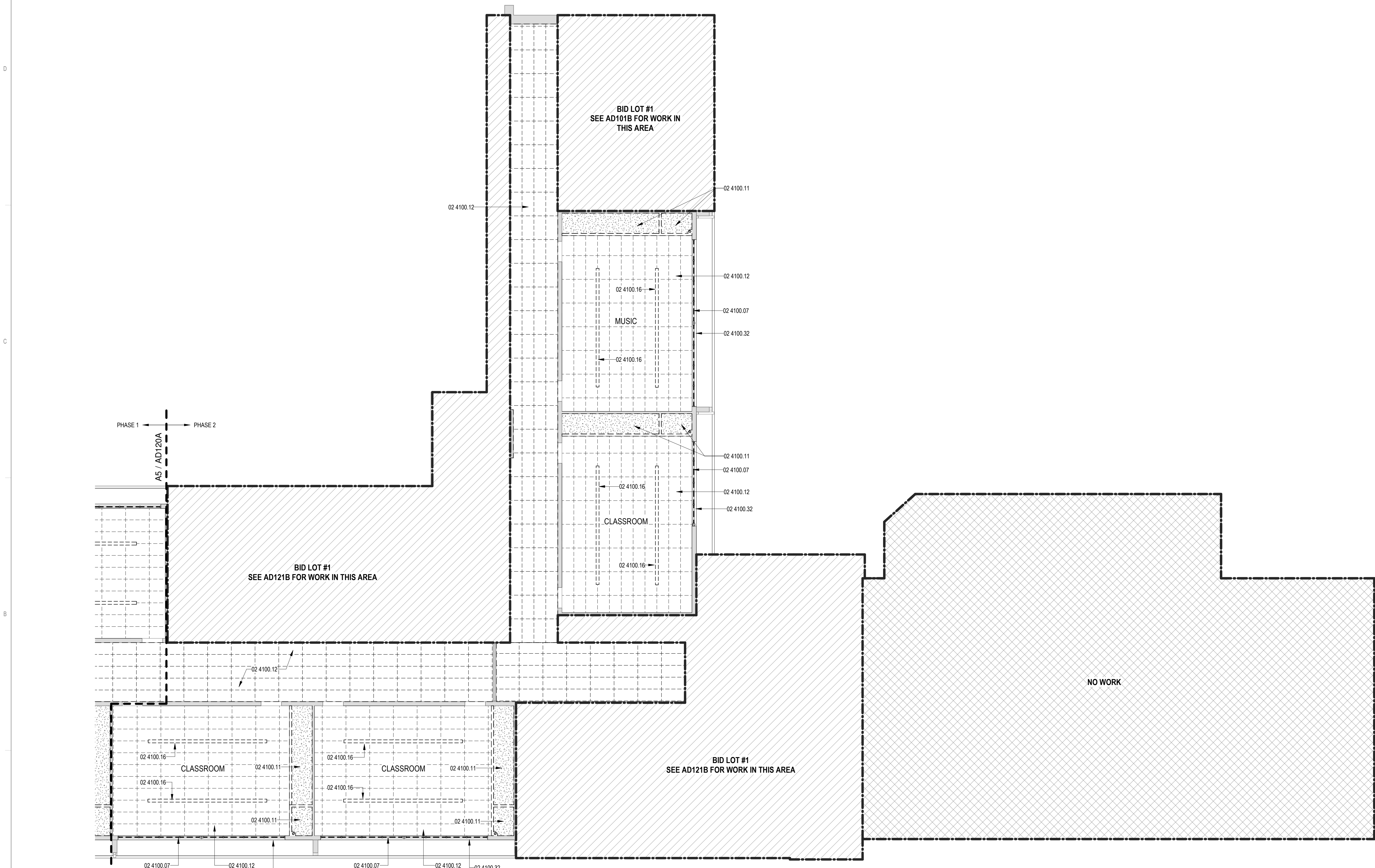
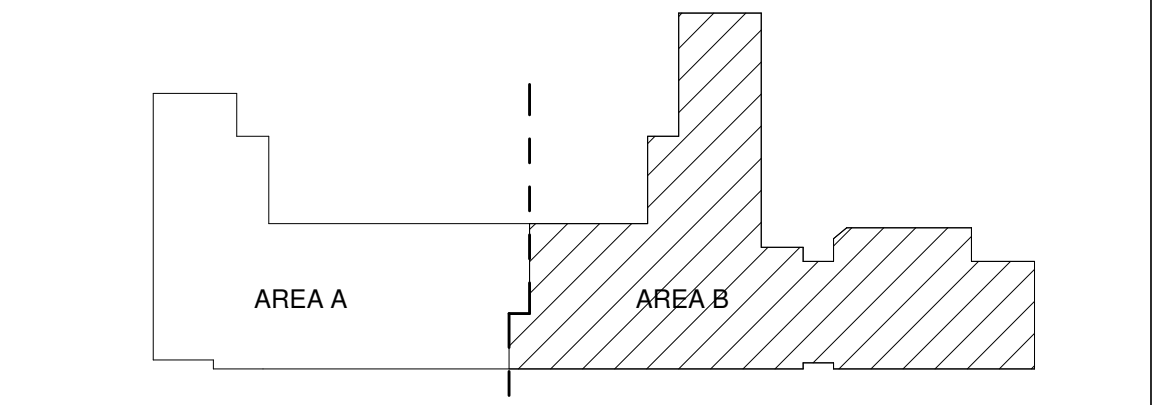
REFERENCE KEYNOTES

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LEGEND

- EXISTING GYPSUM BOARD CEILING SYSTEM
- EXISTING 2' X 4' ACOUSTICAL LAY-IN CEILING SYSTEM TO REMAIN
- EXISTING GYPSUM BOARD CEILING SYSTEM TO BE REMOVED
- EXISTING 2' X 4' ACOUSTICAL LAY-IN CEILING SYSTEM TO BE REMOVED
- EXISTING 2' X 4' LIGHT FIXTURE TO BE REMOVED
- EXISTING 2' X 4' LIGHT FIXTURE TO REMAIN
- EXISTING TO REMAIN
- EXISTING TO BE REMOVED
- NO WORK
- PORTION OF WORK TO BE COMPLETED AS PART OF BID LOT #1. REFER TO BID LOT SHEETS

KEY PLAN



A5 - DEMOLITION REFLECTED CEILING PLAN - AREA B  
1/8" = 1'-0"





SEAL

PROJECT



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

CONSTRUCTION DOCUMENTS

REVISIONS

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DRAWN BY	NW
REVIEWED BY	OK
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

DEMOLITION REFLECTED CEILING PLAN - AREA A - BID LOT #1

SHEET NO  
**AD121A**

GENERAL SHEET NOTES

- A. CONTRACTOR SHALL BECOME FAMILIAR WITH THE SITE TO OBTAIN AN UNDERSTANDING OF EXISTING CONDITIONS BOTH ON SITE AND ADJACENT TO THE SITE THAT WILL AFFECT SCHEDULING OF WORK INCLUDING DEMOLITION AND REMOVAL OF DEBRIS. ANY QUESTIONS OR DISCREPANCIES SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY.
- B. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD.
- C. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFETY MEASURES TO PROTECT PEDESTRIANS, VEHICLES, AND ALL EXISTING IMPROVEMENTS TO REMAIN.
- D. EXISTING UTILITIES ARE SHOWN FOR REFERENCE ONLY. NOT ALL EXISTING UTILITIES APPEAR ON THIS SHEET. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING UTILITY LOCATIONS BEFORE EXCAVATING. SEE CIVIL AND ELECTRICAL PLANS FOR UTILITIES.
- E. EXISTING UTILITY STUBS THAT REMAIN SHALL BE DOCUMENTED ON SURVEYED AS-BUILT DRAWINGS THAT SHALL BE TURNED OVER TO THE OWNER AT CONTRACT CLOSE OUT.
- F. CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT UTILITIES TO REMAINING BUILDINGS ADJACENT TO THE SITE REMAIN OPERATIONAL. IF UTILITIES TO ADJACENT BUILDINGS ARE AFFECTED, THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE TIMING AND DURATION WITH THE OWNER.
- G. DEMOLITION ITEMS SHALL BE REMOVED AND DISPOSED OF LEGALLY. CONTRACTOR IS RESPONSIBLE FOR SUPPLYING REFUSE CONTAINERS TO HANDLE ALL DEBRIS TO BE REMOVED. CONTRACTOR IS RESPONSIBLE FOR PAYING FEES ASSOCIATED WITH REMOVAL AND DISPOSAL OF REMOVED ITEMS.
- H. ITEMS TO BE SALVAGED AND RELOCATED ON SITE ARE NOTED IN KEYNOTES ON DEMOLITION PLAN.
- I. EXISTING SITE ITEMS (NOTED OR NOT) TO REMAIN, SHALL BE PROTECTED AND REMAIN OPERATIONAL DURING CONSTRUCTION. ANY DAMAGE TO EXISTING ITEMS TO REMAIN, DUE TO CONSTRUCTION, SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.
- J. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFETY MEASURES TO PROTECT PEDESTRIANS, VEHICLES, AND ALL EXISTING STRUCTURES TO REMAIN.
- K. ALL TREES AND SHRUBS NOT INDICATED ON THIS PLAN TO BE REMOVED SHALL BE PROTECTED DURING CONSTRUCTION.
- L. CONTRACTOR TO COORDINATE WITH OWNER FOR ALLOWABLE STAGING AREAS DURING CONSTRUCTION.
- M. REFER TO CD-101 FOR ADDITIONAL DEMOLITION INFORMATION.
- N. REMOVE ALL EXISTING FIBER PANEL CEILING TILES, NAELERS AND TRIM IN ITS ENTIRETY THROUGHOUT SCHOOL EXCLUDING GYMNASIUM. REFER TO ESI/020A.
- O. ANY RELATED CEILING ITEMS NOT SPECIFICALLY NOTED ARE TO BE REMOVED, INCLUDING BUT NOT LIMITED TO LIGHTING, SENSORS, ALARMS, ETC.
- P. NOT ALL ITEMS OF DEMOLITION ARE SHOWN ON THIS DEMOLITION PLAN. THERE ARE MANY SPECIFIC AND SMALL ITEMS OF DEMOLITION THAT WILL BE NECESSARY THROUGHOUT THE COURSE OF THE WORK WHICH IS APPARENT BY A COMPLETE AND THOROUGH REVIEW OF EXISTING CONDITIONS AND ALL OF THE CONSTRUCTION DOCUMENTS. IT IS THE CONTRACTORS RESPONSIBILITY TO PERFORM ALL DEMOLITION OPERATIONS REQUIRED FOR THIS PROJECT.

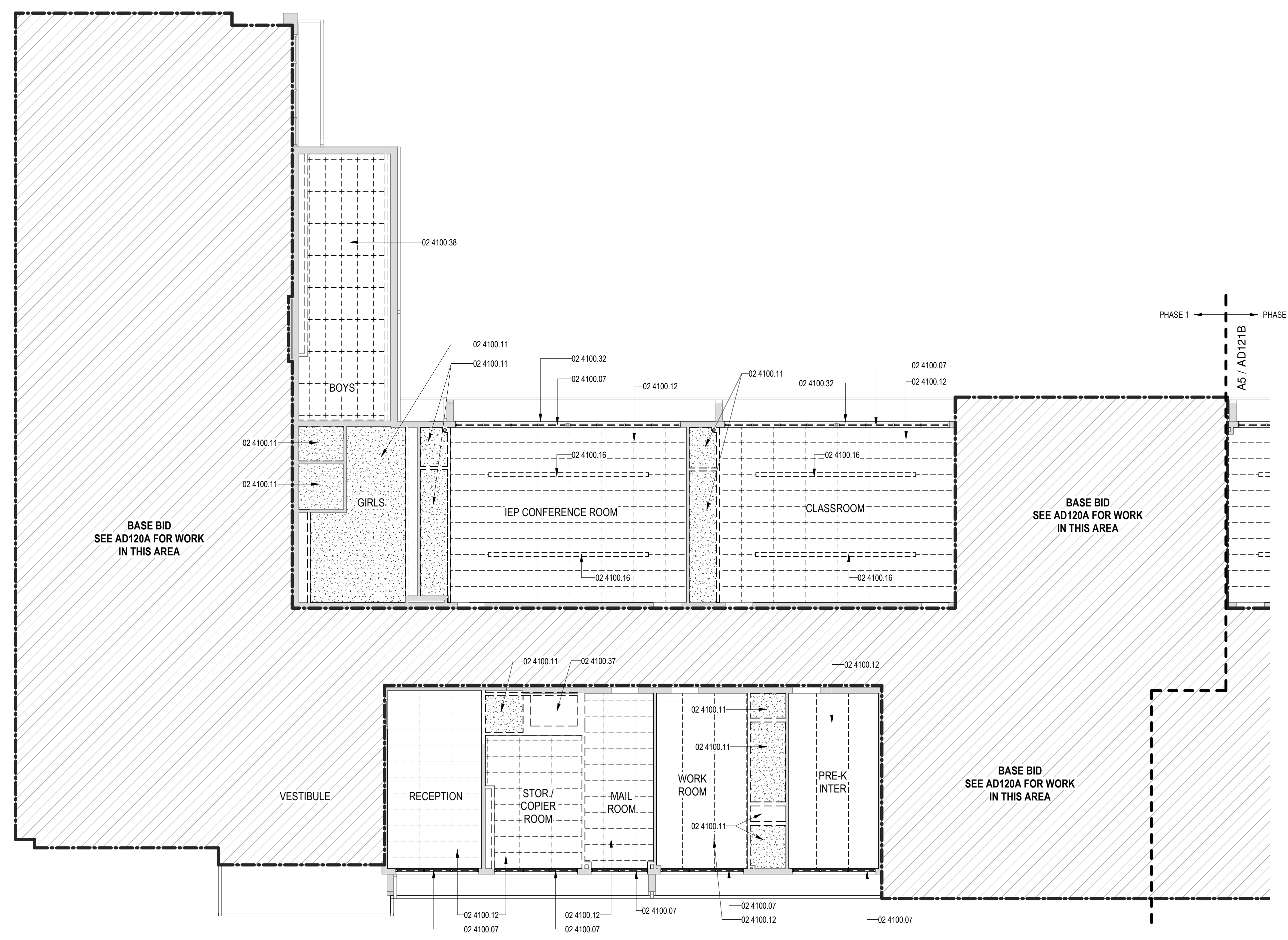
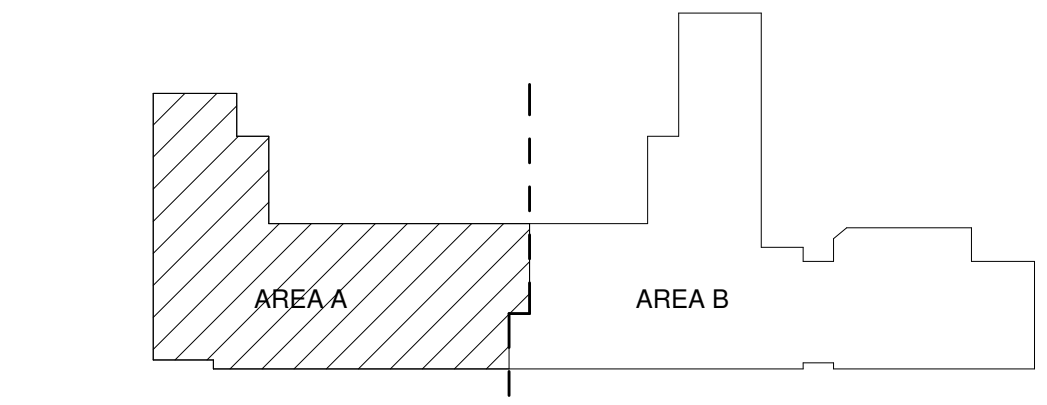
REFERENCE KEYNOTES

02 4100.07	EXISTING METAL WALL PANEL SYSTEM AND WINDOWS TO BE REMOVED IN ITS ENTIRETY. PREP SILL, JAMBS AND HEAD FOR NEW WINDOW SYSTEM.
02 4100.11	EXISTING CEILING TO BE REMOVED.
02 4100.16	EXISTING LIGHT FIXTURES TO BE REMOVED. REFER TO ELECTRICAL.
02 4100.32	PORTION OF WALL ABOVE EXISTING WINDOW OPENING TO BE REMOVED IN ITS ENTIRETY TO ALLOW FOR INSTALLATION OF NEW WINDOW SYSTEM. SAWCUT CEMENTITIOUS SOFFIT PLASTER AS REQUIRED TO ALLOW FOR NEW CONSTRUCTION.
02 4100.38	EXISTING CEILING AND GRID TO BE REMOVED.

LEGEND

- EXISTING GYPSUM BOARD CEILING SYSTEM
- EXISTING 2' X 4' ACOUSTICAL LAY-IN CEILING SYSTEM TO REMAIN
- EXISTING GYPSUM BOARD CEILING SYSTEM TO BE REMOVED
- EXISTING 2' X 4' ACOUSTICAL LAY-IN CEILING SYSTEM TO BE REMOVED
- EXISTING 2' X 4' LIGHT FIXTURE TO BE REMOVED
- EXISTING 2' X 4' LIGHT FIXTURE TO REMAIN
- EXISTING TO REMAIN
- EXISTING TO BE REMOVED
- NO WORK
- PORTION OF WORK TO BE COMPLETED AS PART OF BASE BID. REFER TO BASE BID SHEETS

KEY PLAN



DEMOLITION REFLECTED CEILING PLAN - AREA A  
A5 BID LOT #1  
1/8" = 1'-0"





SEAL

PROJECT



Brown Early Childhood Center  
Old Wing Renovation  
520 W 5th St, Portales, NM 88130

CONSTRUCTION DOCUMENTS

REVISIONS



DRAWN BY NW

REVIEWED BY OK

DATE 12/10/2019

PROJECT NO 18-0032

PSFA PRE-K PROJECT NO: K-18-011

PSFA SYSTEMS PROJECT NO: S-20-008

DRAWING NAME

DEMOLITION REFLECTED CEILING PLAN - AREA B - BID LOT #1

SHEET NO

AD121B

GENERAL SHEET NOTES

- A. CONTRACTOR SHALL BECOME FAMILIAR WITH THE SITE TO OBTAIN AN UNDERSTANDING OF EXISTING CONDITIONS BOTH ON SITE AND ADJACENT TO THE SITE THAT WILL AFFECT SCHEDULING OF WORK INCLUDING DEMOLITION AND REMOVAL OF DEBRIS. ANY QUESTIONS OR DISCREPANCIES SHALL BE BROUGHT TO THE ARCHITECTS ATTENTION IMMEDIATELY.
- B. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD.
- C. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFETY MEASURES TO PROTECT PEDESTRIANS, VEHICLES, AND ALL EXISTING IMPROVEMENTS TO REMAIN.
- D. EXISTING UTILITIES ARE SHOWN FOR REFERENCE ONLY. NOT ALL EXISTING UTILITIES APPEAR ON THIS SHEET. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING UTILITY LOCATIONS BEFORE EXCAVATING. SEE CIVIL AND ELECTRICAL PLANS FOR UTILITIES.
- E. EXISTING UTILITY STUBS THAT REMAIN SHALL BE DOCUMENTED ON SURVEYED AS-BUILT DRAWINGS THAT SHALL BE TURNED OVER TO THE OWNER AT CONTRACT CLOSE OUT.
- F. CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT UTILITIES TO REMAINING BUILDINGS ADJACENT TO THE SITE REMAIN OPERATIONAL. IF UTILITIES TO ADJACENT BUILDINGS ARE AFFECTED, THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE TIMING AND DURATION WITH THE OWNER.
- G. DEMOLITION ITEMS SHALL BE REMOVED AND DISPOSED OF LEGALLY. CONTRACTOR IS RESPONSIBLE FOR SUPPLYING REFUSE CONTAINERS TO HANDLE ALL DEBRIS TO BE REMOVED. CONTRACTOR IS RESPONSIBLE FOR PAYING FEES ASSOCIATED WITH REMOVAL AND DISPOSAL OF REMOVED ITEMS.
- H. ITEMS TO BE SALVAGED AND RELOCATED ON SITE ARE NOTED IN KEYNOTES ON DEMOLITION PLAN.
- I. EXISTING SITE ITEMS (NOTED OR NOT) TO REMAIN, SHALL BE PROTECTED AND REMAIN OPERATIONAL DURING CONSTRUCTION. ANY DAMAGE TO EXISTING ITEMS TO REMAIN, DUE TO CONSTRUCTION, SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.
- J. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFETY MEASURES TO PROTECT PEDESTRIANS, VEHICLES, AND ALL EXISTING STRUCTURES TO REMAIN.
- K. ALL TREES AND SHRUBS NOT INDICATED ON THIS PLAN TO BE REMOVED SHALL BE PROTECTED DURING CONSTRUCTION.
- L. CONTRACTOR TO COORDINATE WITH OWNER FOR ALLOWABLE STAGING AREAS DURING CONSTRUCTION.
- M. REFER TO CD-101 FOR ADDITIONAL DEMOLITION INFORMATION.
- N. REMOVE ALL EXISTING FIBER PANEL CEILING TILES, NAELERS AND TRIM IN ITS ENTIRETY THROUGHOUT SCHOOL EXCLUDING GYMNASIUM. REFER TO ES41020A.
- O. ANY RELATED CEILING ITEMS NOT SPECIFICALLY NOTED ARE TO BE REMOVED, INCLUDING BUT NOT LIMITED TO LIGHTING, SENSORS, ALARMS, ETC.
- P. NOT ALL ITEMS OF DEMOLITION ARE SHOWN ON THIS DEMOLITION PLAN. THERE ARE MANY SPECIFIC AND SMALL ITEMS OF DEMOLITION THAT WILL BE NECESSARY THROUGHOUT THE COURSE OF THE WORK WHICH IS APPARENT BY A COMPLETE AND THOROUGH REVIEW OF EXISTING CONDITIONS AND ALL OF THE CONSTRUCTION DOCUMENTS. IT IS THE CONTRACTORS RESPONSIBILITY TO PERFORM ALL DEMOLITION OPERATIONS REQUIRED FOR THIS PROJECT.

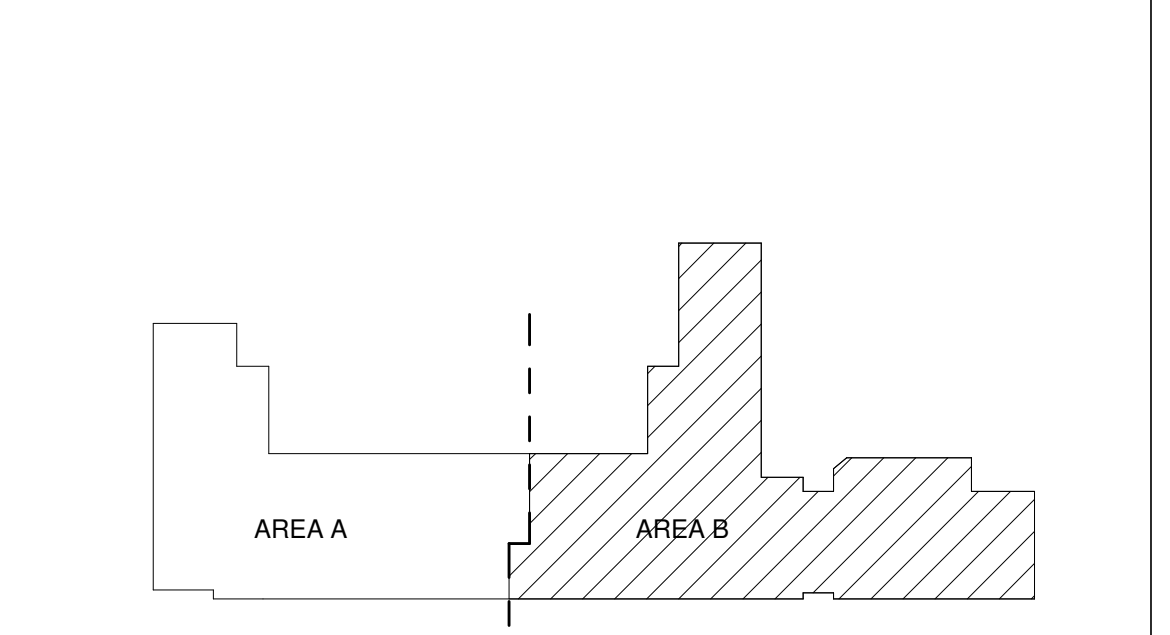
REFERENCE KEYNOTES

02 4100.07	EXISTING METAL WALL PANEL SYSTEM AND WINDOWS TO BE REMOVED IN ITS ENTIRETY. PREP SILL, JAMBS AND HEAD FOR NEW WINDOW SYSTEM.
02 4100.11	EXISTING CEILING TO BE REMOVED.
02 4100.16	EXISTING LIGHT FIXTURES TO BE REMOVED. REFER TO ELECTRICAL.
02 4100.32	PORTION OF WALL ABOVE EXISTING WINDOW OPENING TO BE REMOVED IN ITS ENTIRETY TO ALLOW FOR INSTALLATION OF NEW WINDOW SYSTEM. SAWCUT CEMENTITIOUS SOFFIT PLASTER AS REQUIRED TO ALLOW FOR NEW CONSTRUCTION.
02 4100.35	PORTION OF EXISTING WALL TO BE REMOVED. REMOVE UP TO EXISTING ADJACENT CEILING. 8'-3" V.I.F.. REFER TO STRUCTURAL FOR LINTEL DETAIL.
02 4100.38	EXISTING CEILING AND GRID TO BE REMOVED.

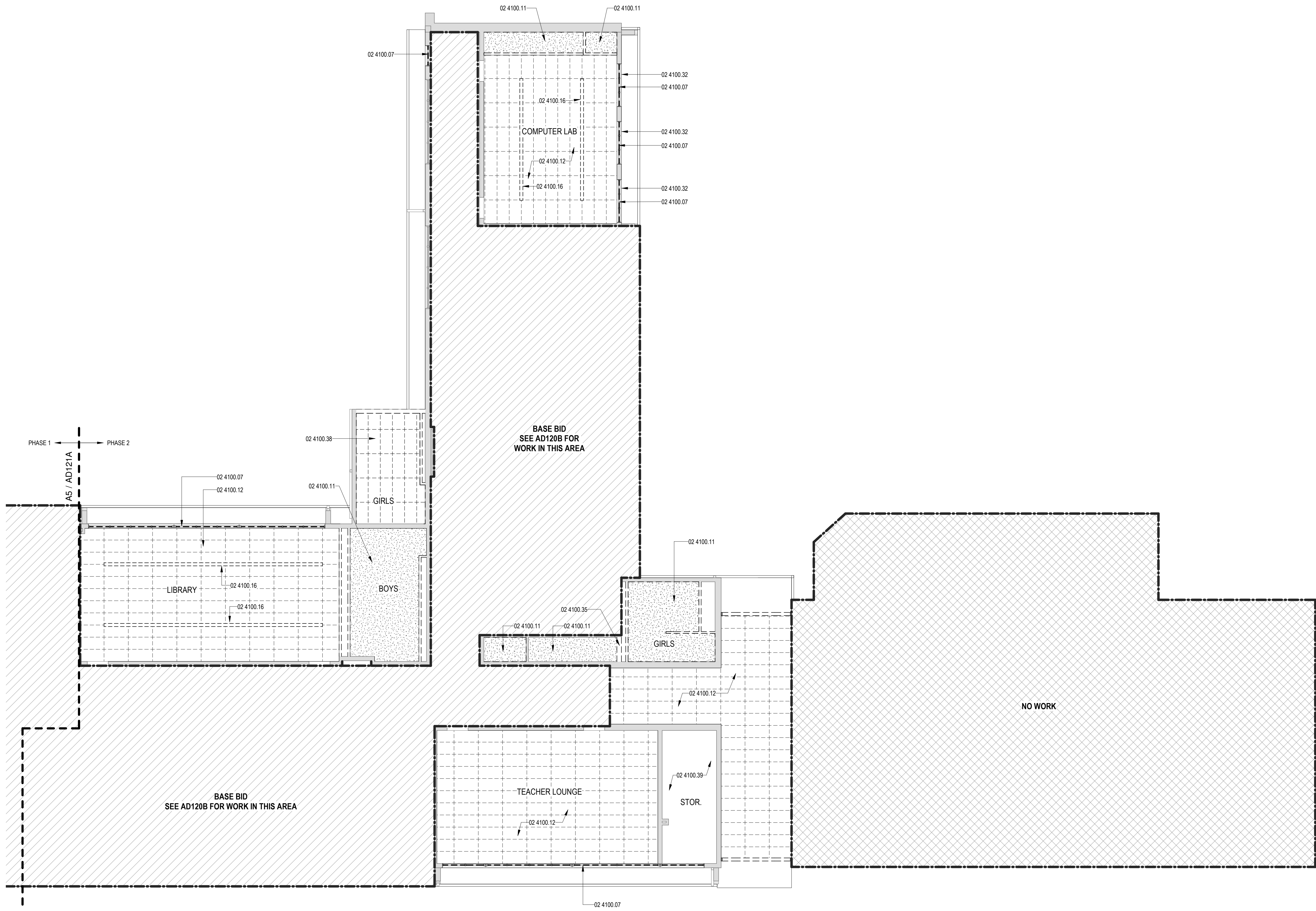
LEGEND

- EXISTING GYPSUM BOARD CEILING SYSTEM
- EXISTING 2' X 4' ACOUSTICAL LAY-IN CEILING SYSTEM TO REMAIN
- EXISTING GYPSUM BOARD CEILING SYSTEM TO BE REMOVED
- EXISTING 2' X 4' ACOUSTICAL LAY-IN CEILING SYSTEM TO BE REMOVED
- EXISTING 2' X 4' LIGHT FIXTURE TO BE REMOVED
- EXISTING 2' X 4' LIGHT FIXTURE TO REMAIN
- EXISTING TO REMAIN
- EXISTING TO BE REMOVED
- NO WORK
- PORTION OF WORK TO BE COMPLETED AS PART OF BASE BID. REFER TO BASE BID SHEETS

KEY PLAN



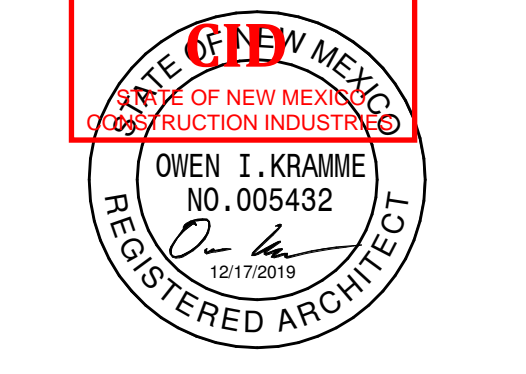
DEMOLITION REFLECTED CEILING PLAN - AREA B  
BID LOT #1  
1/8" = 1'-0"







www.formativearchitecture.com  
109 GOLD AVENUE, SW  
ALBUQUERQUE, NM 87102  
505.510.4000



SEAL

PROJECT



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

REVISIONS	
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DRAWN BY	NW
REVIEWED BY	OK
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

**DEMOLITION ROOF PLAN - AREA A**

SHEET NO  
**AD140A**

**GENERAL SHEET NOTES**

- A. EXISTING GAS LINE NOT SHOWN FOR CLARITY. REFER TO MECHANICAL.
- B. INSTALL COPPER CONDENSATE LINES. REFER TO MECHANICAL DRAWINGS.
- C. DETAILS SHOWN ARE FOR GENERAL REFERENCE ONLY. CONTRACTOR IS TO ADHERE TO MANUFACTURER'S INSTRUCTIONS, PROCEDURES, AND DETAILS FOR A COMPLETE WARRANTED SYSTEM.
- D. ALL ROOFTOP MECHANICAL UNITS CURBS TO BE RAISED SO THAT TOP OF CURB IS A MINIMUM OF 12 INCHES ABOVE ROOF SURFACE. NOTIFY OWNER AND ARCHITECT IF 12 INCHES CANNOT BE ACHIEVED.
- E. SEE MECHANICAL AND PLUMBING FOR REMOVAL OF EQUIPMENT, PIPING, AND ACCESSORIES.
- F. DURING REMOVAL OF EQUIPMENT PROTECT EXPOSED ROOF PENETRATIONS FROM WATER AND WEATHER ENTRY. CONTRACTOR IS REQUIRED TO ENSURE THAT BUILDING IS MADE WATERTIGHT ON A DAILY BASIS.
- G. CONTRACTOR TO VERIFY ALL DIMENSIONS IN THE FIELD.
- H. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFETY MEASURES TO PROTECT PEDESTRIANS, VEHICLES, AND PROPERTY.
- I. CONTRACTORS ARE REQUIRED TO VERIFY EXISTING CONDITIONS AND QUANTITIES SO THEY MAY FAMILIARIZE THEMSELVES WITH WORK INVOLVED IN THE REMOVAL OF THE EXISTING EQUIPMENT AND ROOF SYSTEM PRIOR TO SUBMITTING QUOTES. CONTRACTOR SHALL INCLUDE IN BID, FLASHING FOR ALL VENTS, FLUES, PENETRATIONS, CONDUITS, MECHANICAL UNITS, AND DUCTWORK WHICH MAY OR MAY NOT BE INDICATED ON THE DRAWINGS.
- J. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE COORDINATION OF NEW PATCHES AND PENETRATIONS OF ROOFING SYSTEM AND PROTECTION OF EXISTING CONSTRUCTION AND EXISTING STRUCTURES EXPOSED TO WEATHER ELEMENTS DURING THE INTERIM PERIOD BETWEEN DEMOLITION OF EXISTING ROOF SYSTEMS AND INSTALLATION OF NEW ROOF.
- K. CONTRACTOR TO INVESTIGATE THE UNDERSIDE OF DECK FOR PIPE, CONDUIT, OR ANY OTHER MATERIAL THAT COULD BE DAMAGED BY ANY NEW FASTENERS THAT PROTRUDE THROUGH DECK SURFACE.
- L. COORDINATE ADDITIONAL DEMOLITION INFORMATION WITH THE REMAINING DEMOLITION SHEETS.
- M. ROOF AREA IDENTIFIED TO BE DEMOLISHED IS FOR ILLUSTRATION PURPOSES ONLY AND MAY OR MAY NOT CORRECTLY REFLECT THE EXACT AMOUNT OF ROOFING REQUIRED TO BE REMOVED TO PERFORM THE WORK.
- N. DEMOLITION ITEMS SHALL BE REMOVED AND DISPOSED OF LEGALLY. CONTRACTOR IS RESPONSIBLE FOR SUPPLYING REFUSE CONTAINERS TO HANDLE ALL DEBRIS TO BE REMOVED. CONTRACTOR IS RESPONSIBLE FOR PAYING FEES ASSOCIATED WITH REMOVAL AND DISPOSAL OF REMOVED ITEMS.
- O. DURING DEMOLITION ALL STRUCTURES, FINISHES, ETC. WHICH ARE NOT TO BE REMOVED ARE TO BE CAREFULLY PROTECTED FROM DAMAGE.
- P. PATCH, REPAIR OR REPLACE ANY ITEMS DAMAGED DURING DEMOLITION.
- Q. UNLESS OTHERWISE INDICATED, COORDINATE WITH OWNER ITEMS TO BE REMOVED. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL DEMOLISHED ITEMS.
- R. NOT ALL ITEMS OF DEMOLITION ARE SHOWN ON THIS DEMOLITION PLAN. THERE ARE MANY SPECIFIC AND SMALL ITEMS OF DEMOLITION THAT WILL BE NECESSARY THROUGHOUT THE COURSE OF THE WORK WHICH IS APPARENT BY A COMPLETE AND THOROUGH REVIEW OF EXISTING CONDITIONS AND ALL OF THE CONSTRUCTION DOCUMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PERFORM ALL DEMOLITION OPERATIONS REQUIRED FOR THIS PROJECT.

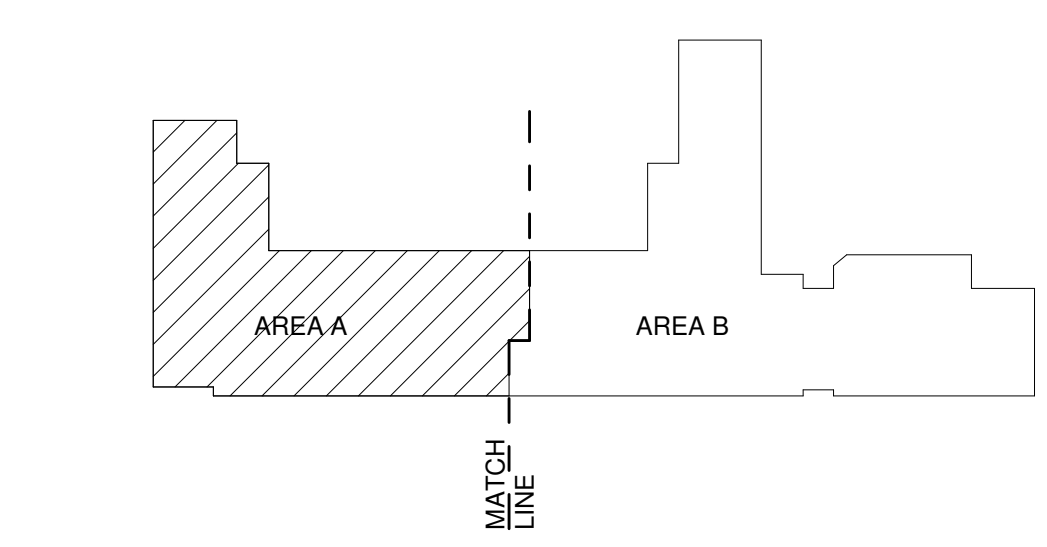
**REFERENCE KEYNOTES**

02 0100.31	EXISTING EXHAUST FAN
02 0100.32	EXISTING ROOF TOP UNIT
02 4100.14	PORTION OF EXISTING ROOFING TO BE REMOVED TO ALLOW FOR NEW ROOF TOP UNIT AND CURB. REFER TO STRUCTURAL CONTRACTOR TO COORDINATE EXACT LOCATIONS AND EXTENTS OF REMOVAL IN FIELD.
02 4100.18	PORTION OF EXISTING ROOF MEMBRANE TO BE REMOVED TO ALLOW FOR NEW CRICKET INSTALLATION
02 4100.19	EXISTING ROOF TOP UNIT AND ROOF CURB TO BE REMOVED. REFER TO MECHANICAL.
02 4100.30	PORTION OF EXISTING ROOFING TO BE REMOVED TO ALLOW FOR NEW EXHAUST FAN. REFER TO MECHANICAL CONTRACTOR TO COORDINATE EXACT LOCATIONS AND EXTENTS OF REMOVAL IN FIELD.
02 4100.40	PORTION OF EXISTING ROOFING TO BE REMOVED TO ALLOW FOR NEW GAS PIPING. REFER TO PLUMBING. COORDINATE EXACT LOCATIONS AND EXTENTS OF REMOVAL IN FIELD.

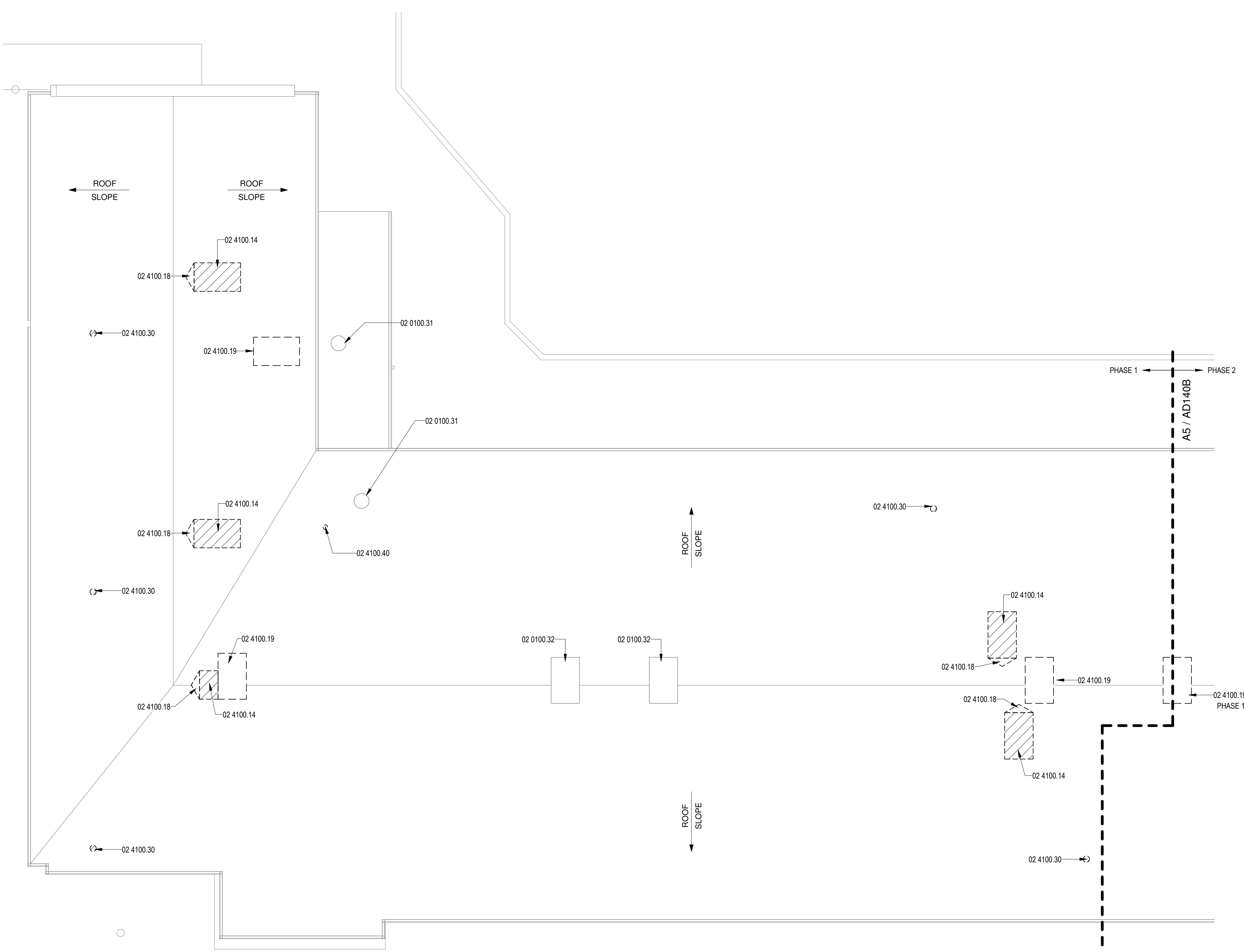
**LEGEND**

- PORTION OF EXISTING ROOF TO BE REMOVED AS PART OF BASE BID
- PORTION OF EXISTING ROOF TO BE REMOVED AS PART OF BID LOT #1
- EXISTING TO REMAIN
- EXISTING TO BE REMOVED
- NO WORK

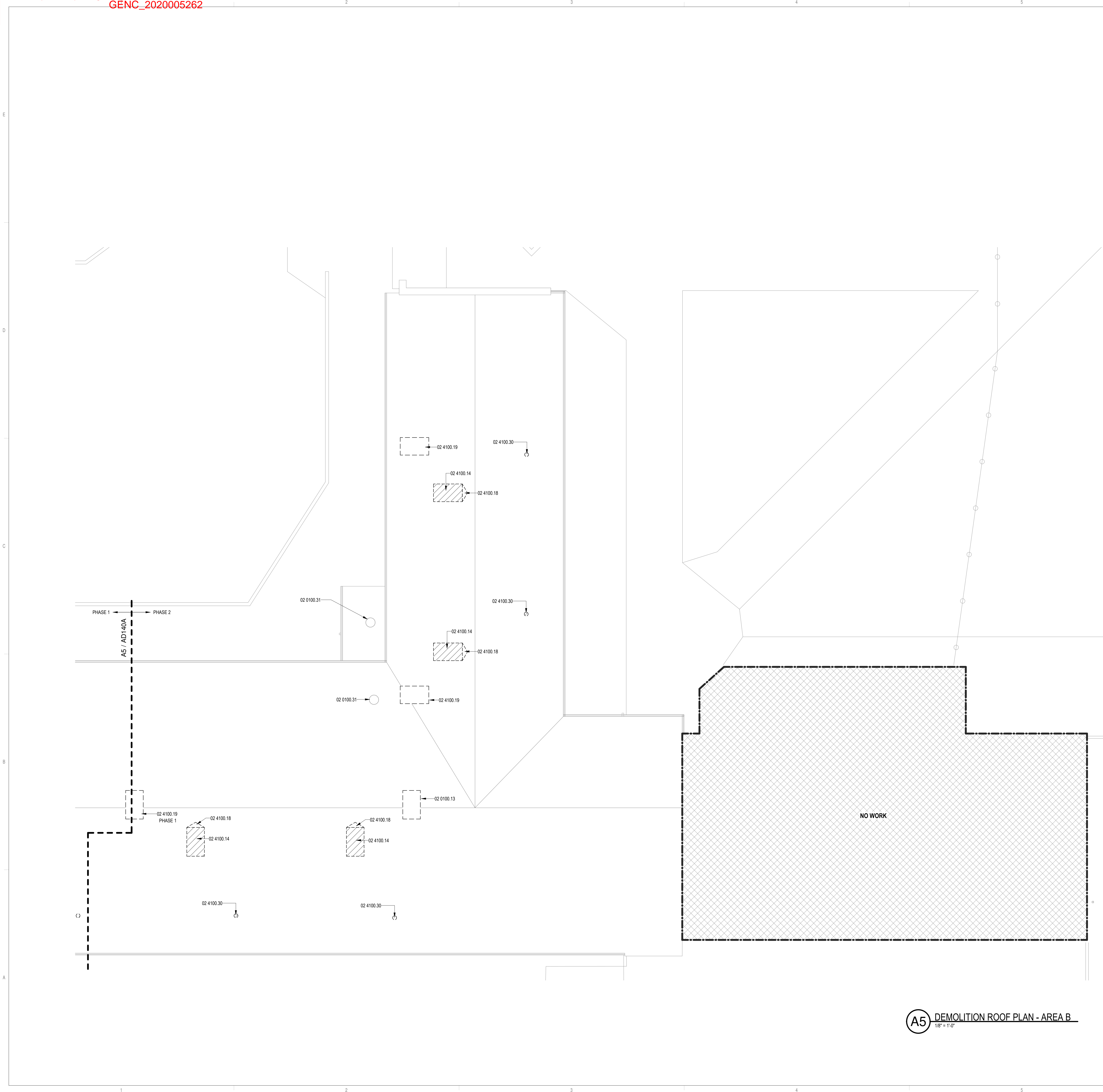
**KEY PLAN**



**A5 - DEMOLITION ROOF PLAN - AREA A**  
1/8" = 1'-0"







**A5** DEMOLITION ROOF PLAN - AREA B  
1/8" = 1'-0"

**GENERAL SHEET NOTES**

- A. EXISTING GAS LINE NOT SHOWN FOR CLARITY. REFER TO MECHANICAL.
- B. INSTALL COPPER CONDENSATE LINES. REFER TO MECHANICAL DRAWINGS.
- C. DETAILS SHOWN ARE FOR GENERAL REFERENCE ONLY. CONTRACTOR IS TO ADHERE TO MANUFACTURER'S INSTRUCTIONS, PROCEDURES, AND DETAILS FOR A COMPLETE WARRANTED SYSTEM.
- D. ALL ROOFTOP MECHANICAL UNITS CURBS TO BE RAISED SO THAT TOP OF CURB IS A MINIMUM OF 12 INCHES ABOVE ROOF SURFACE. NOTIFY OWNER AND ARCHITECT IF 12 INCHES CANNOT BE ACHIEVED.
- E. SEE MECHANICAL AND PLUMBING FOR REMOVAL OF EQUIPMENT, PIPING, AND ACCESSORIES.
- F. DURING REMOVAL OF EQUIPMENT PROTECT EXPOSED ROOF PENETRATIONS FROM WATER AND WEATHER ENTRY. CONTRACTOR IS REQUIRED TO ENSURE THAT BUILDING IS MADE WATERTIGHT ON A DAILY BASIS.
- G. CONTRACTOR TO VERIFY ALL DIMENSIONS IN THE FIELD.
- H. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFETY MEASURES TO PROTECT PEDESTRIANS, VEHICLES, AND PROPERTY.
- I. CONTRACTORS ARE REQUIRED TO VERIFY EXISTING CONDITIONS AND QUANTITIES SO THEY MAY FAMILIARIZE THEMSELVES WITH WORK INVOLVED IN THE REMOVAL OF THE EXISTING EQUIPMENT AND ROOF SYSTEM PRIOR TO SUBMITTING QUOTES. CONTRACTOR SHALL INCLUDE IN BID, FLASHING FOR ALL VENTS, FLUES, PENETRATIONS, CONDUITS, MECHANICAL UNITS, AND DUCTWORK WHICH MAY OR MAY NOT BE INDICATED ON THE DRAWINGS.
- J. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE COORDINATION OF NEW PATCHES AND PENETRATIONS OF ROOFING SYSTEM AND PROTECTION OF EXISTING CONSTRUCTION AND EXISTING STRUCTURES EXPOSED TO WEATHER ELEMENTS DURING THE INTERIM PERIOD BETWEEN DEMOLITION OF EXISTING ROOF SYSTEMS AND INSTALLATION OF NEW ROOF.
- K. CONTRACTOR TO INVESTIGATE THE UNDERSIDE OF DECK FOR PIPE, CONDUIT, OR ANY OTHER MATERIAL THAT COULD BE DAMAGED BY ANY NEW FASTENERS THAT PROTRUDE THROUGH DECK SURFACE.
- L. COORDINATE ADDITIONAL DEMOLITION INFORMATION WITH THE REMAINING DEMOLITION SHEETS.
- M. ROOF AREA IDENTIFIED TO BE DEMOLISHED IS FOR ILLUSTRATION PURPOSES ONLY AND MAY OR MAY NOT CORRECTLY REFLECT THE EXACT AMOUNT OF ROOFING REQUIRED TO BE REMOVED TO PERFORM THE WORK.
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- O. DURING DEMOLITION ALL STRUCTURES, FINISHES, ETC. WHICH ARE NOT TO BE REMOVED ARE TO BE CAREFULLY PROTECTED FROM DAMAGE.
- P. PATCH, REPAIR OR REPLACE ANY ITEMS DAMAGED DURING DEMOLITION.
- Q. UNLESS OTHERWISE INDICATED, COORDINATE WITH OWNER ITEMS TO BE REMOVED. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL DEMOLISHED ITEMS.
- R. NOT ALL ITEMS OF DEMOLITION ARE SHOWN ON THIS DEMOLITION PLAN. THERE ARE MANY SPECIFIC AND SMALL ITEMS OF DEMOLITION THAT WILL BE NECESSARY THROUGHOUT THE COURSE OF THE WORK WHICH IS APPARENT BY A COMPLETE AND THOROUGH REVIEW OF EXISTING CONDITIONS AND ALL OF THE CONSTRUCTION DOCUMENTS. IT IS THE CONTRACTORS RESPONSIBILITY TO PERFORM ALL DEMOLITION OPERATIONS REQUIRED FOR THIS PROJECT.

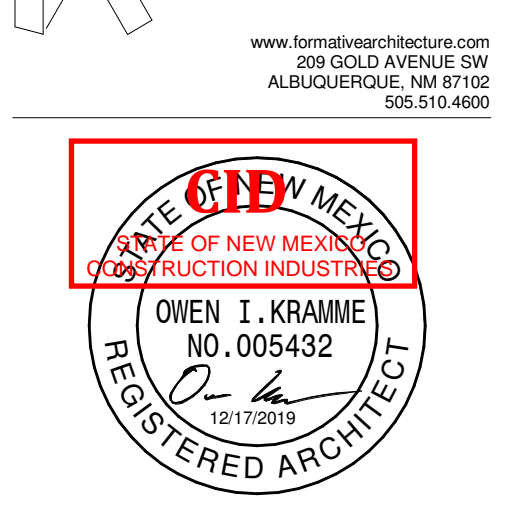
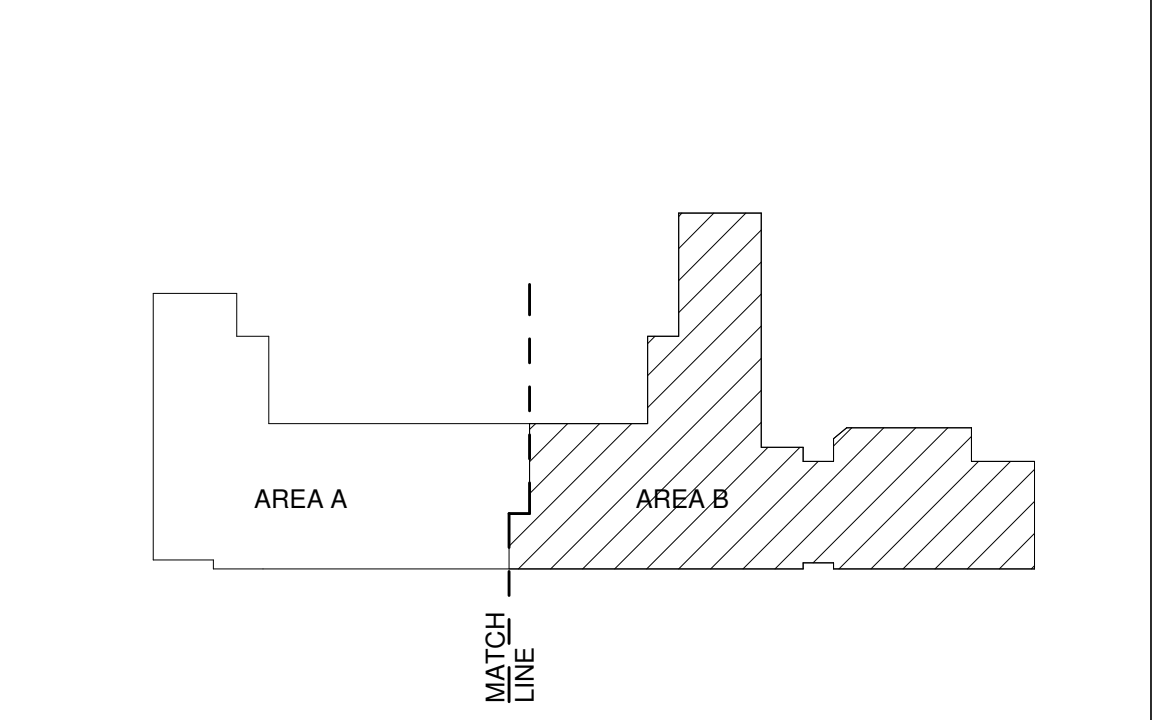
**REFERENCE KEYNOTES**

02 0100.13	EXISTING ROOF TOP UNIT TO REMAIN
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**LEGEND**

- PORTION OF EXISTING ROOF TO BE REMOVED AS PART OF BASE BID
- PORTION OF EXISTING ROOF TO BE REMOVED AS PART OF BID LOT #1
- EXISTING TO REMAIN
- EXISTING TO BE REMOVED
- NO WORK

**KEY PLAN**



SEAL

PROJECT



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

- REVISIONS
- △
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  - △
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DRAWN BY	NW
REVIEWED BY	OK
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

**DEMOLITION ROOF PLAN - AREA B**

SHEET NO  
**AD140B**



SEAL

PROJECT

CONSTRUCTION DOCUMENTS

REVISIONS

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Table with columns: DRAWN BY, REVIEWED BY, DATE, PROJECT NO, PSFA PRE-K PROJECT NO., PSFA SYSTEMS PROJECT NO., DRAWING NAME.

DEMOLITION ROOF PLAN - AREA A - BID LOT #1

SHEET NO AD141A

GENERAL SHEET NOTES

- A. EXISTING GAS LINE NOT SHOWN FOR CLARITY. REFER TO MECHANICAL.
B. INSTALL COPPER CONDENSATE LINES. REFER TO MECHANICAL DRAWINGS.
C. DETAILS SHOWN ARE FOR GENERAL REFERENCE ONLY. CONTRACTOR IS TO ADHERE TO MANUFACTURER'S INSTRUCTIONS, PROCEDURES, AND DETAILS FOR A COMPLETE WARRANTED SYSTEM.
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F. DURING REMOVAL OF EQUIPMENT PROTECT EXPOSED ROOF PENETRATIONS FROM WATER AND WEATHER ENTRY. CONTRACTOR IS REQUIRED TO ENSURE THAT BUILDING IS MADE WATERTIGHT ON A DAILY BASIS.
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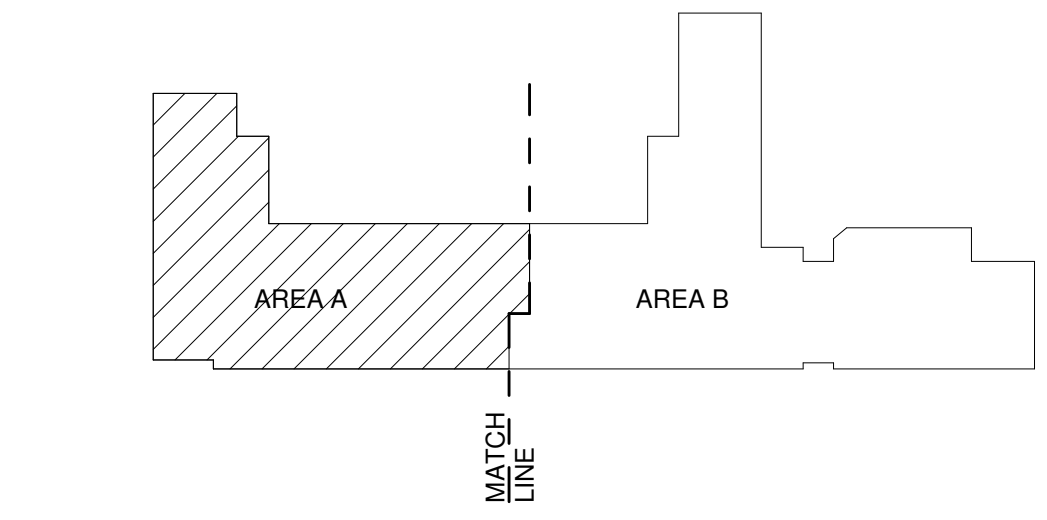
REFERENCE KEYNOTES

Table with columns: Keynote ID, Description of work to be removed or installed.

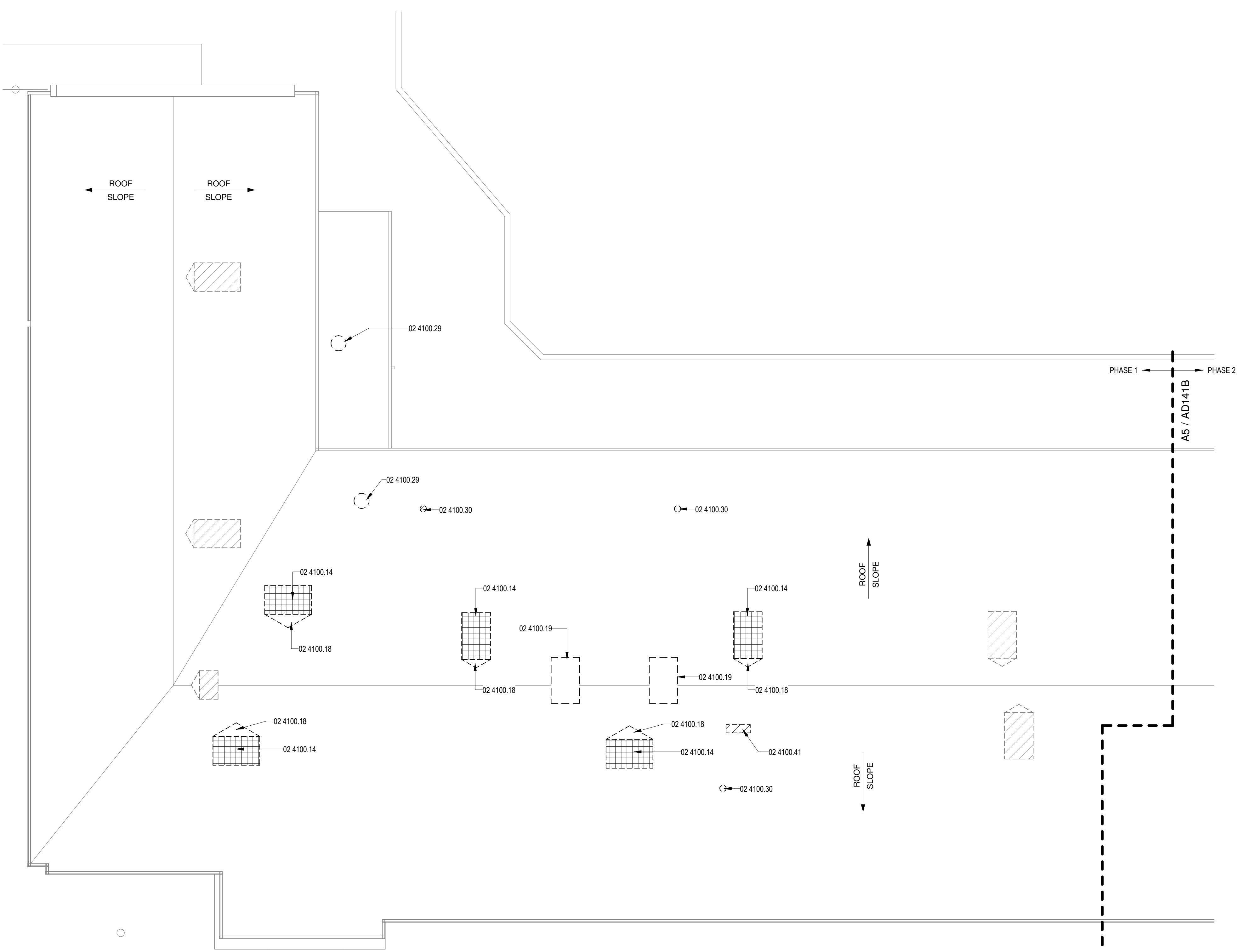
LEGEND

- Diagonal hatching: PORTION OF EXISTING ROOF TO BE REMOVED AS PART OF BASE BID.
Grid hatching: PORTION OF EXISTING ROOF TO BE REMOVED AS PART OF BID LOT #1.
Solid line: EXISTING TO REMAIN.
Dashed line: EXISTING TO BE REMOVED.
Cross-hatching: NO WORK.

KEY PLAN



DEMOLITION ROOF PLAN - AREA A  
BID LOT #1  
1/8" = 1'-0"





SEAL

PROJECT

CONSTRUCTION DOCUMENTS

REVISIONS

- △
- △
- △
- △
- △

Table with columns: DRAWN BY, REVIEWED BY, DATE, PROJECT NO, PSFA PRE-K PROJECT NO, PSFA SYSTEMS PROJECT NO, DRAWING NAME.

DEMOLITION ROOF PLAN - AREA B - BID LOT #1

SHEET NO AD141B

GENERAL SHEET NOTES

- A. EXISTING GAS LINE NOT SHOWN FOR CLARITY. REFER TO MECHANICAL.
B. INSTALL COPPER CONDENSATE LINES. REFER TO MECHANICAL DRAWINGS.
C. DETAILS SHOWN ARE FOR GENERAL REFERENCE ONLY. CONTRACTOR IS TO ADHERE TO MANUFACTURER'S INSTRUCTIONS, PROCEDURES, AND DETAILS FOR A COMPLETE WARRANTED SYSTEM.
D. ALL ROOFTOP MECHANICAL UNITS CURBS TO BE RAISED SO THAT TOP OF CURB IS A MINIMUM OF 12 INCHES ABOVE ROOF SURFACE. NOTIFY OWNER AND ARCHITECT IF 12 INCHES CANNOT BE ACHIEVED.
E. SEE MECHANICAL AND PLUMBING FOR REMOVAL OF EQUIPMENT, PIPING, AND ACCESSORIES.
F. DURING REMOVAL OF EQUIPMENT PROTECT EXPOSED ROOF PENETRATIONS FROM WATER AND WEATHER ENTRY. CONTRACTOR IS REQUIRED TO ENSURE THAT BUILDING IS MADE WATERTIGHT ON A DAILY BASIS.
G. CONTRACTOR TO VERIFY ALL DIMENSIONS IN THE FIELD.
H. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFETY MEASURES TO PROTECT PEDESTRIANS, VEHICLES, AND PROPERTY.
I. CONTRACTORS ARE REQUIRED TO VERIFY EXISTING CONDITIONS AND QUANTITIES SO THEY MAY FAMILIARIZE THEMSELVES WITH WORK INVOLVED IN THE REMOVAL OF THE EXISTING EQUIPMENT AND ROOF SYSTEM PRIOR TO SUBMITTING QUOTES. CONTRACTOR SHALL INCLUDE IN BID, FLASHING FOR ALL VENTS, FLUES, PENETRATIONS, CONDUITS, MECHANICAL UNITS, AND DUCTWORK WHICH MAY OR MAY NOT BE INDICATED ON THE DRAWINGS.
J. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE COORDINATION OF NEW PATCHES AND PENETRATIONS OF ROOFING SYSTEM AND PROTECTION OF EXISTING CONSTRUCTION AND EXISTING STRUCTURES EXPOSED TO WEATHER ELEMENTS DURING THE INTERIM PERIOD BETWEEN DEMOLITION OF EXISTING ROOF SYSTEMS AND INSTALLATION OF NEW ROOF.
K. CONTRACTOR TO INVESTIGATE THE UNDERSIDE OF DECK FOR PIPE, CONDUIT, OR ANY OTHER MATERIAL THAT COULD BE DAMAGED BY ANY NEW FASTENERS THAT PROTRUDE THROUGH DECK SURFACE.
L. COORDINATE ADDITIONAL DEMOLITION INFORMATION WITH THE REMAINING DEMOLITION SHEETS.
M. ROOF AREA IDENTIFIED TO BE DEMOLISHED IS FOR ILLUSTRATION PURPOSES ONLY AND MAY OR MAY NOT CORRECTLY REFLECT THE EXACT AMOUNT OF ROOFING REQUIRED TO BE REMOVED TO PERFORM THE WORK.
N. DEMOLITION ITEMS SHALL BE REMOVED AND DISPOSED OF LEGALLY. CONTRACTOR IS RESPONSIBLE FOR SUPPLYING REFUSE CONTAINERS TO HANDLE ALL DEBRIS TO BE REMOVED. CONTRACTOR IS RESPONSIBLE FOR PAYING FEES ASSOCIATED WITH REMOVAL AND DISPOSAL OF REMOVED ITEMS.
O. DURING DEMOLITION ALL STRUCTURES, FINISHES, ETC. WHICH ARE NOT TO BE REMOVED ARE TO BE CAREFULLY PROTECTED FROM DAMAGE.
P. PATCH, REPAIR OR REPLACE ANY ITEMS DAMAGED DURING DEMOLITION.
Q. UNLESS OTHERWISE INDICATED, COORDINATE WITH OWNER ITEMS TO BE REMOVED. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL DEMOLISHED ITEMS.
R. NOT ALL ITEMS OF DEMOLITION ARE SHOWN ON THIS DEMOLITION PLAN. THERE ARE MANY SPECIFIC AND SMALL ITEMS OF DEMOLITION THAT WILL BE NECESSARY THROUGHOUT THE COURSE OF THE WORK WHICH IS APPARENT BY A COMPLETE AND THOROUGH REVIEW OF EXISTING CONDITIONS AND ALL OF THE CONSTRUCTION DOCUMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PERFORM ALL DEMOLITION OPERATIONS REQUIRED FOR THIS PROJECT.

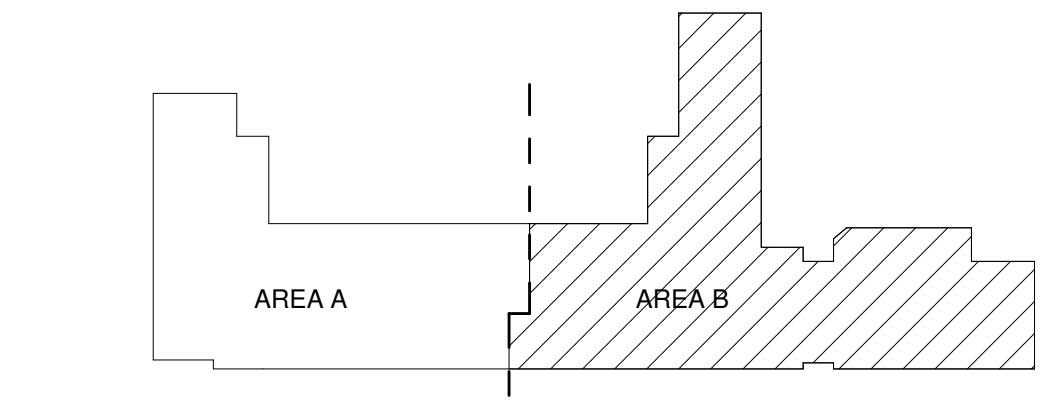
REFERENCE KEYNOTES

Table with columns: Keynote ID, Description of work to be removed or replaced.

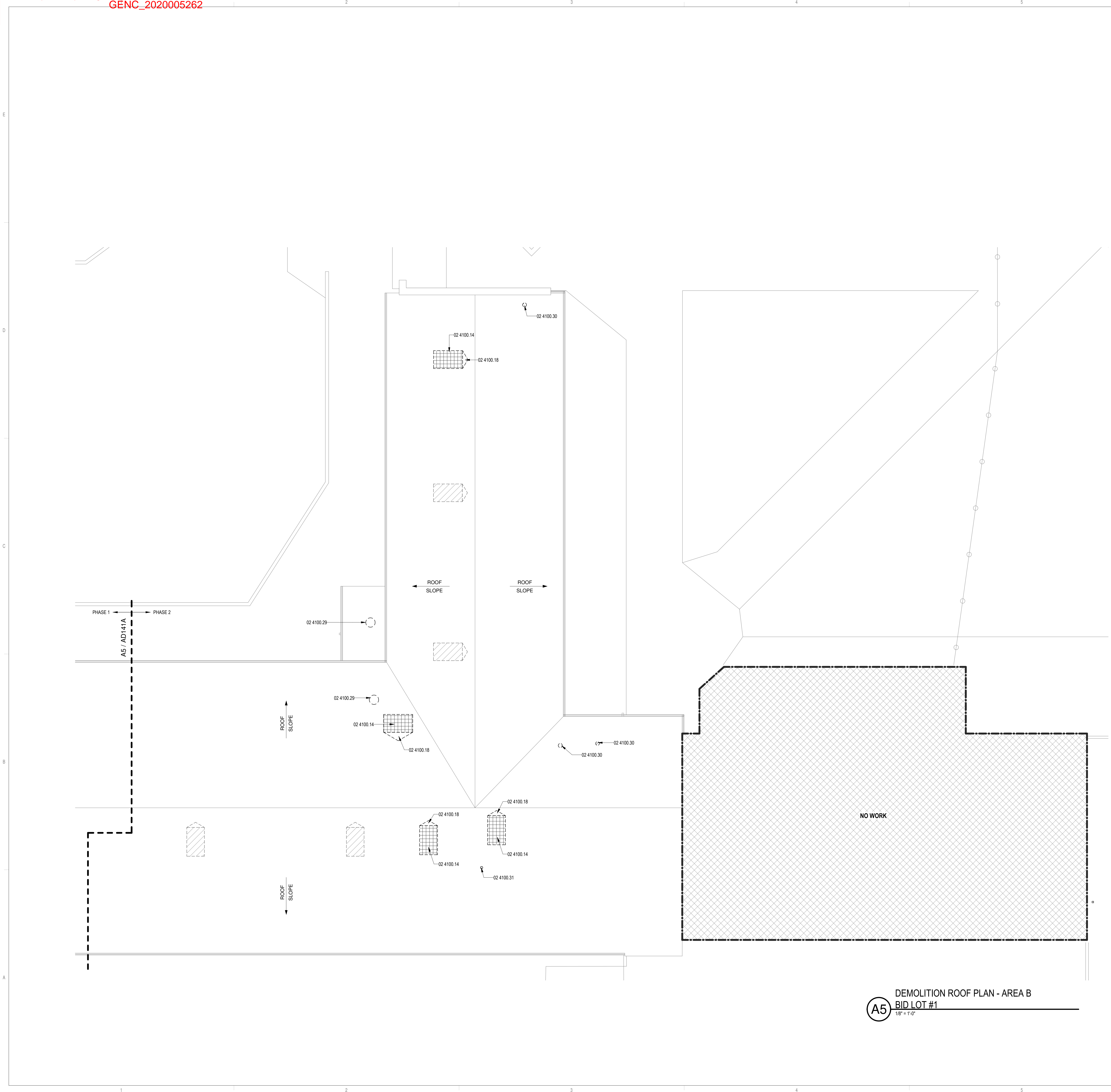
LEGEND

- Diagonal hatching: PORTION OF EXISTING ROOF TO BE REMOVED AS PART OF BASE BID
Grid hatching: PORTION OF EXISTING ROOF TO BE REMOVED AS PART OF BID LOT #1
Solid line: EXISTING TO REMAIN
Dashed line: EXISTING TO BE REMOVED
Cross-hatching: NO WORK

KEY PLAN

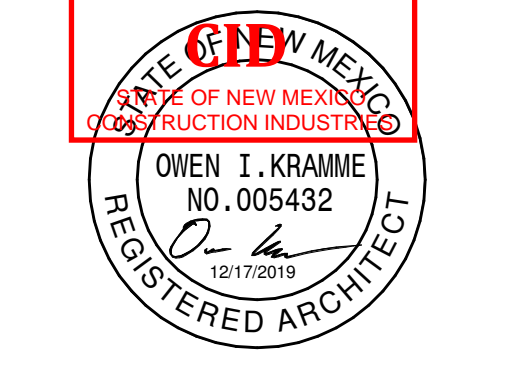


DEMOLITION ROOF PLAN - AREA B  
BID LOT #1  
1/8" = 1'-0"



Portales Brown Early Childhood Center, Project #S20-008, PSFCCO FUNDED





SEAL

PROJECT



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

CONSTRUCTION DOCUMENTS

REVISIONS

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DRAWN BY: NW  
REVIEWED BY: OK  
DATE: 12/10/2019  
PROJECT NO: 18-0032  
PSFA PRE-K PROJECT NO: K-18-011  
PSFA SYSTEMS PROJECT NO: S-20-008  
DRAWING NAME: SITE PLAN

SHEET NO: AS101

GENERAL SHEET NOTES

- A. CONTRACTOR SHALL ESTABLISH A TREE PROTECTION ZONE AROUND EACH EXISTING TREE TO REMAIN. THE ROOT PROTECTION ZONE SHALL BE AN AREA DEFINED BY A CIRCLE CONCENTRIC WITH EACH TREE WITH A RADIUS 1.5 TIMES THE DIAMETER OF THE DRIP LINE UNLESS OTHERWISE INDICATED.
- B. CONTRACTOR SHALL ERECT PROTECTIVE BARRIERS (FENCING) AT THE PERIMETER OF TREE PROTECTION ZONES. NO WORK SHALL BEGIN WHERE TREE PROTECTION FENCING HAS NOT BEEN COMPLETED AND APPROVED. TREE PROTECTION FENCING SHALL BE INSTALLED, MAINTAINED AND REPAIRED BY THE CONTRACTOR DURING CONSTRUCTION. THE FENCING WILL BE A MINIMUM OF 4' HEIGHT.
- C. CONTRACTOR SHALL NOT STORE OR DRIVE EQUIPMENT, VEHICLES OR MATERIALS WITHIN THE TREE PROTECTION ZONE.
- D. CONTRACTOR SHALL PROTECT EXISTING ROOTS FROM DAMAGE WHEN WORKING WITHIN THE TREE PROTECTION ZONE. THE CONTRACTOR SHALL LIMIT DEMOLITION OR OTHER CONSTRUCTION ACTIVITIES WITHIN THE ROOT PROTECTION ZONE TO THE MINIMUM DISTURBANCE REQUIRED TO COMPLETE CONSTRUCTION.
- E. CONTRACTOR SHALL NOT ALLOW CONCRETE TRUCKS TO CLEAN CHUTES OR DUMP EXCESS CONCRETE OR ANY OTHER CEMENTITIOUS PRODUCTS IN ANY PORTION OF THE SITE. CONTRACTOR SHALL CLEAN THE WASTE OF OTHER CEMENTITIOUS MATERIALS FROM THE SURFACE AND THEY SHALL NOT BE TURNED UNDER DURING FINAL GRADING.
- F. CONTRACTOR TO COORDINATE WITH OWNER TO PROVIDE TEMPORARY IRRIGATION TO EXISTING VEGETATION DURING CONSTRUCTION.
- G. CONTRACTOR TO PATCH, REPAIR OR REPLACE ANY SITE ELEMENTS THAT ARE REMOVED WHERE UTILITIES ARE RUNNING UNDERGROUND. PATCH AND REPAIR TO MATCH PREVIOUSLY EXISTING SITE CONDITION. REFER TO FIRE PROTECTION, PLUMBING AND ELECTRICAL.
- H. EXISTING IRRIGATION SYSTEM TO REMAIN OPERATIONAL THROUGHOUT THE DURATION OF THE PROJECT. IF IRRIGATION LINES, SPRINKLER HEADS OR ANY OTHER PORTIONS OF THE SYSTEM ARE DAMAGED REPAIR AS REQUIRED.
- I. INSTALL GRASS SOD IN AREAS WHERE TRENCHING OR HEAVY TRAFFIC HAS DAMAGED EXISTING GRASS. SOD SPECIES TO MATCH EXISTING.

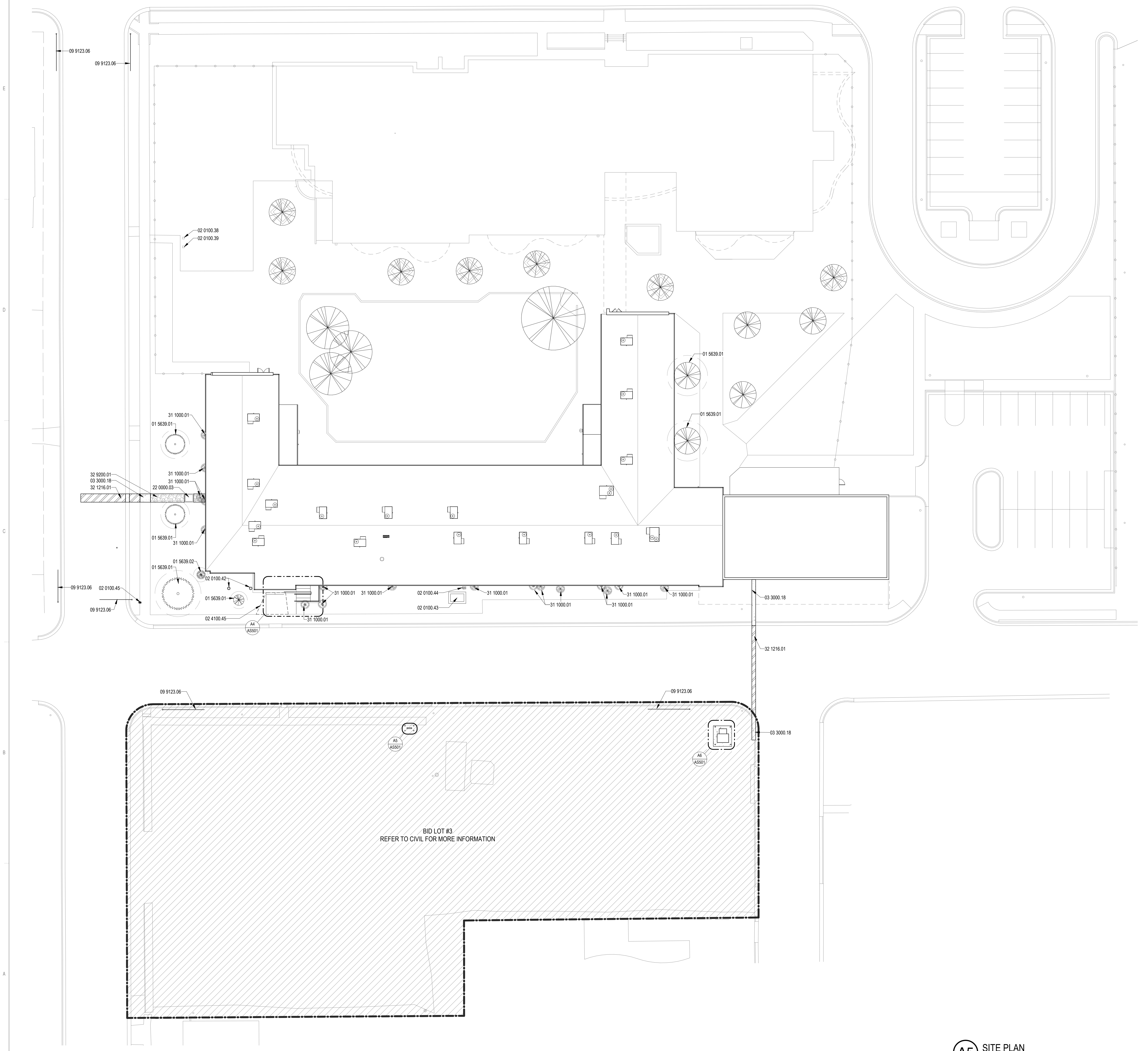
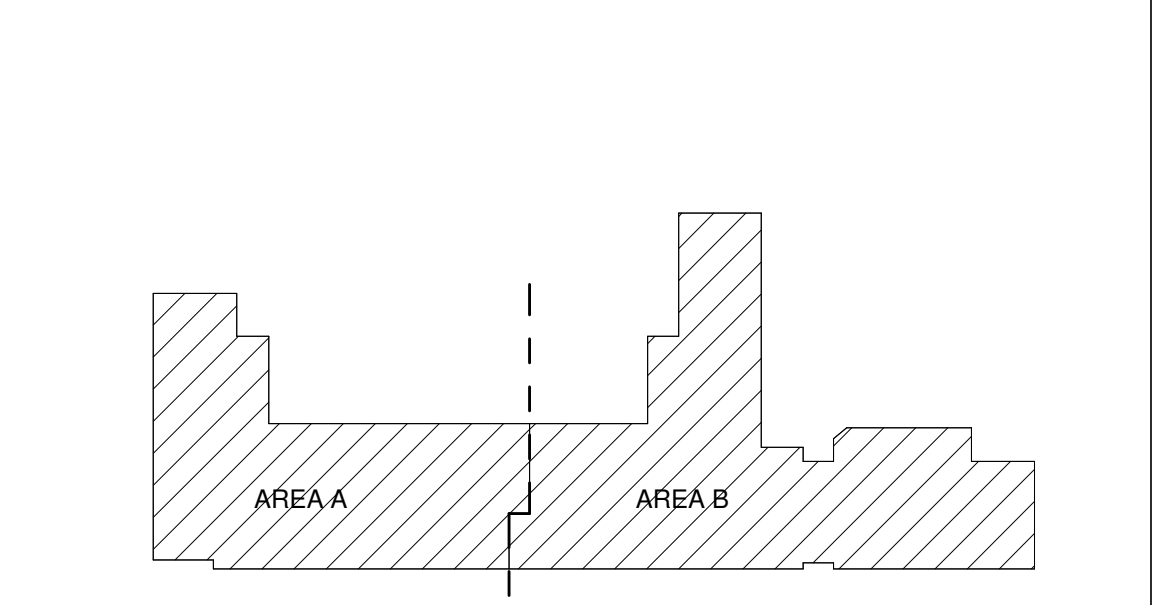
REFERENCE KEYNOTES

01 5639.01	EXISTING TREE TO REMAIN, PROTECT TREE AND DRIP LINE AREA AS INDICATED
01 5639.02	EXISTING SHRUB TO REMAIN, PROTECT SHRUB AND DRIP LINE AREA AS INDICATED
02 0100.38	EXISTING BACKFLOW PREVENTER
02 0100.39	EXISTING IRRIGATION BOX
02 0100.42	EXISTING FLAG POLE
02 0100.43	EXISTING MONUMENT SIGN TO REMAIN
02 0100.44	EXISTING GAS METER TO REMAIN
02 0100.45	EXISTING FIRE HYDRANT TO REMAIN
02 4100.45	EXISTING RAMP AND RAILING TO BE REMOVED, SALVAGE RAILING TO OWNER
03 3000.18	PATCH AND REPAIR CONCRETE AS NECESSARY AT UTILITY TRENCHING LOCATIONS
09 9123.06	EXISTING GATE TO RECEIVE PAINT FINISH IN COLOR TBD
22 0000.03	HEATED ENCLOSURE, REFER TO PLUMBING
31 1000.01	EXISTING BUSH TO BE REMOVED
32 1216.01	PATCH AND REPAIR ASPHALT PAVING AS NECESSARY AT UTILITY TRENCHING LOCATIONS
32 9200.01	PATCH AND REPAIR LANDSCAPE AS NECESSARY AT UTILITY TRENCHING LOCATIONS

LEGEND

- BID LOT #3
- PATCH AND REPAIR CONCRETE
- PATCH AND REPAIR LANDSCAPE
- PATCH AND REPAIR ASPHALT PAVING
- TREE PROTECTION ZONE AND DRIP LINE (1.5 TIMES TREE CANOPY)
- EXISTING TO BE REMOVED

KEY PLAN



A5 SITE PLAN  
1" = 20'-0"

Portales Brown Early Childhood Center, Project #S20-008, PSFSCC FUNDED





SEAL

PROJECT



Brown Early Childhood Center  
Old Wing Renovation  
520 W 5th St, Portales, NM 88130

CONSTRUCTION DOCUMENTS

REVISIONS

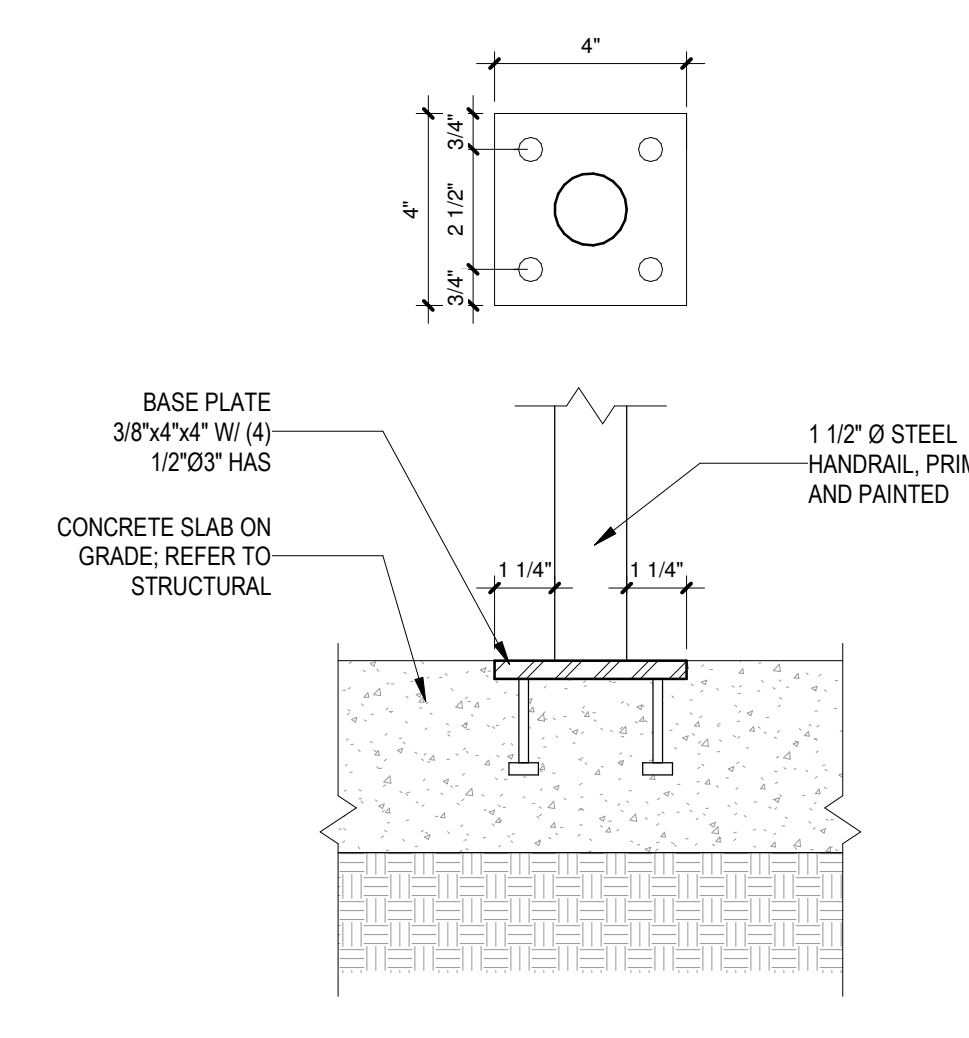
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DRAWN BY	NW
REVIEWED BY	OK
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

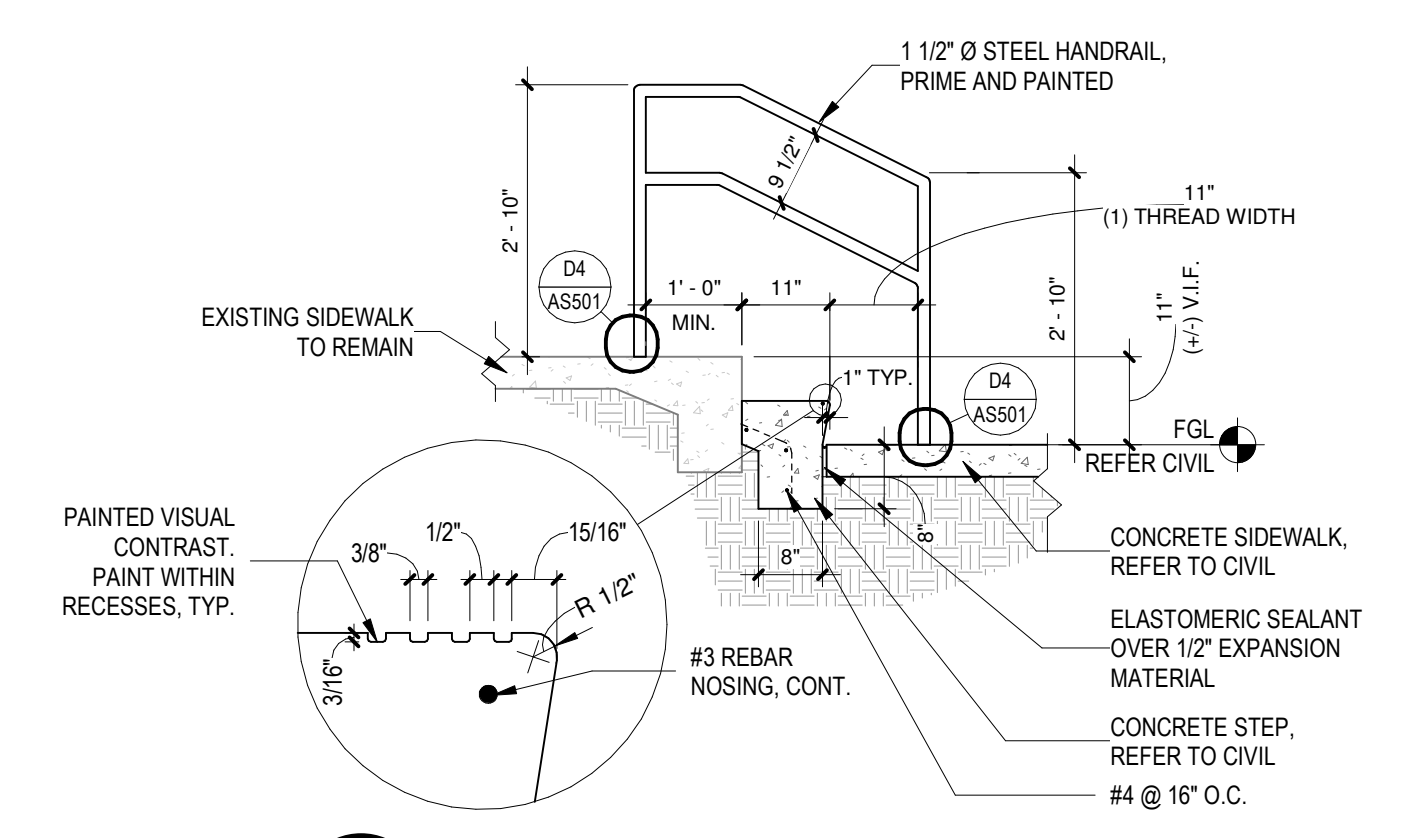
SITE DETAILS

SHEET NO

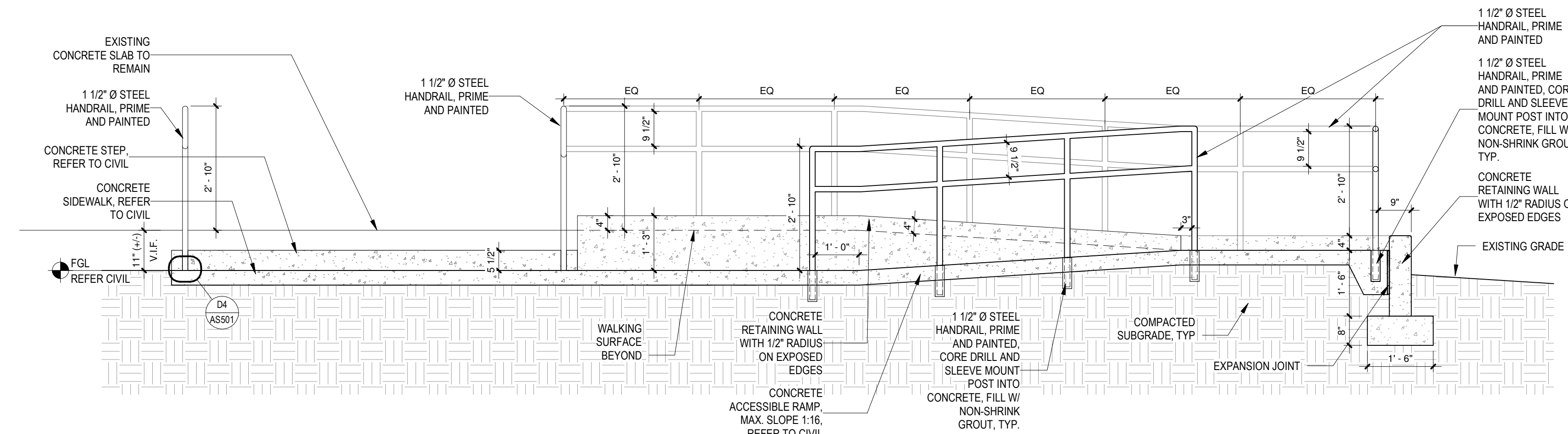
AS501



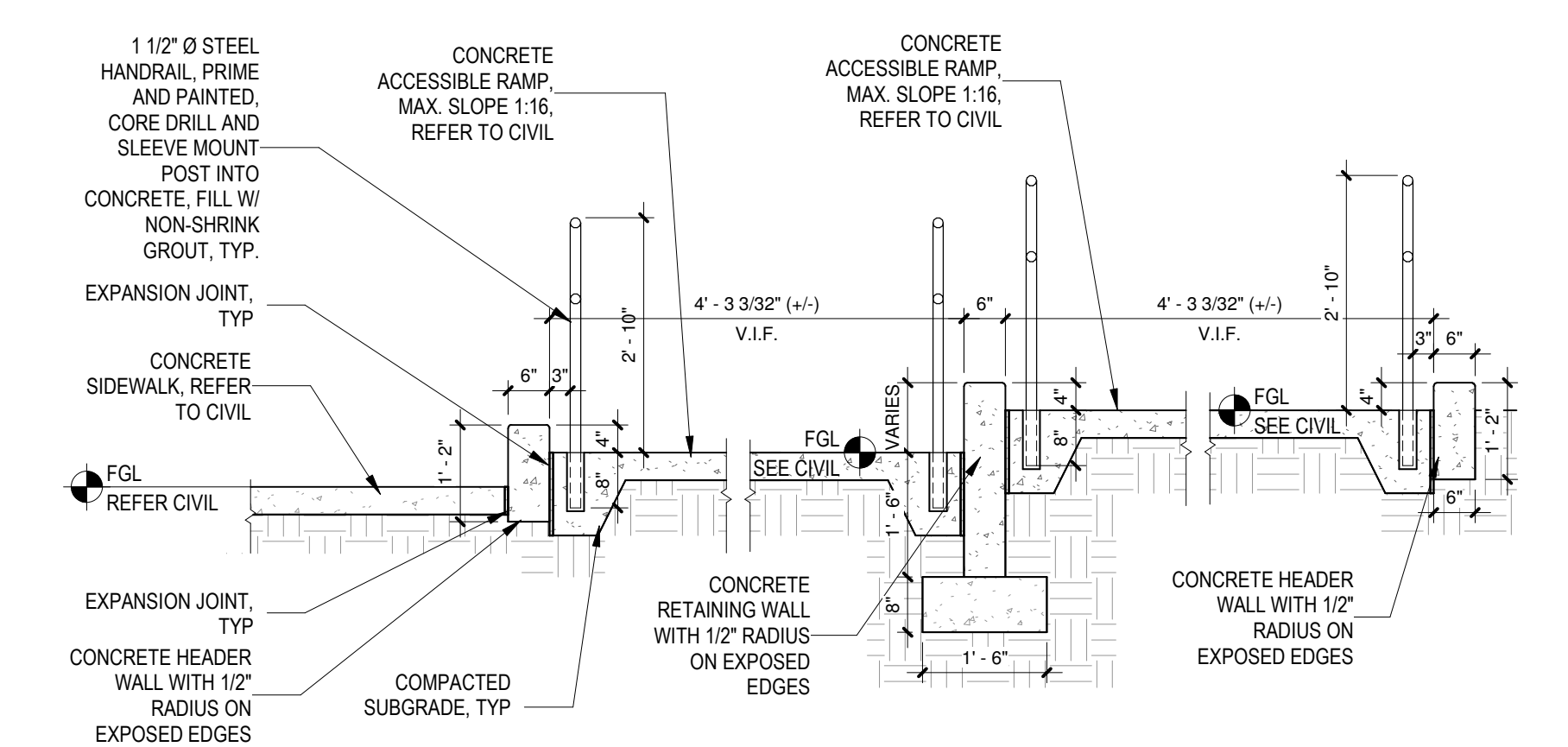
D4 STAIR DETAIL  
3/8" = 1'-0"



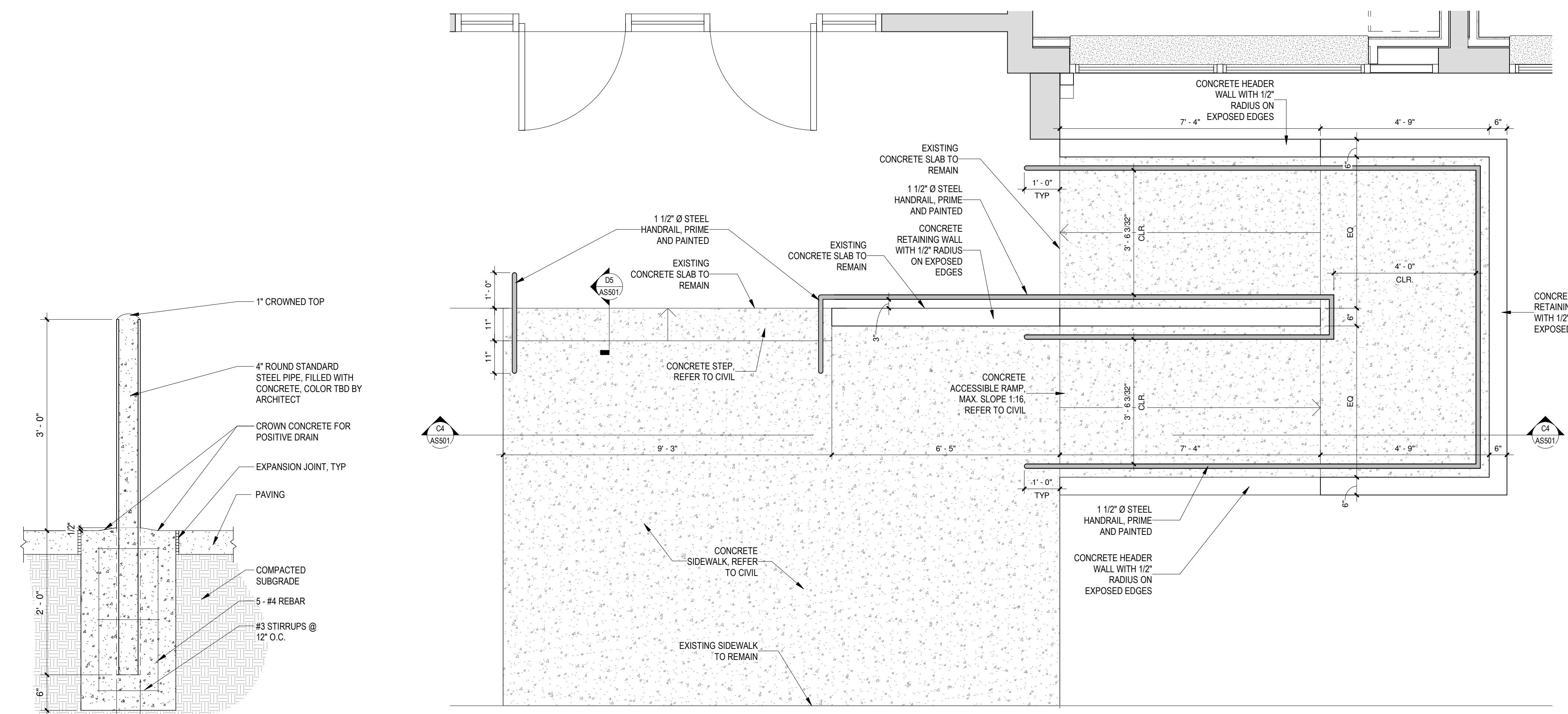
D5 STAIR DETAIL  
1/2" = 1'-0"



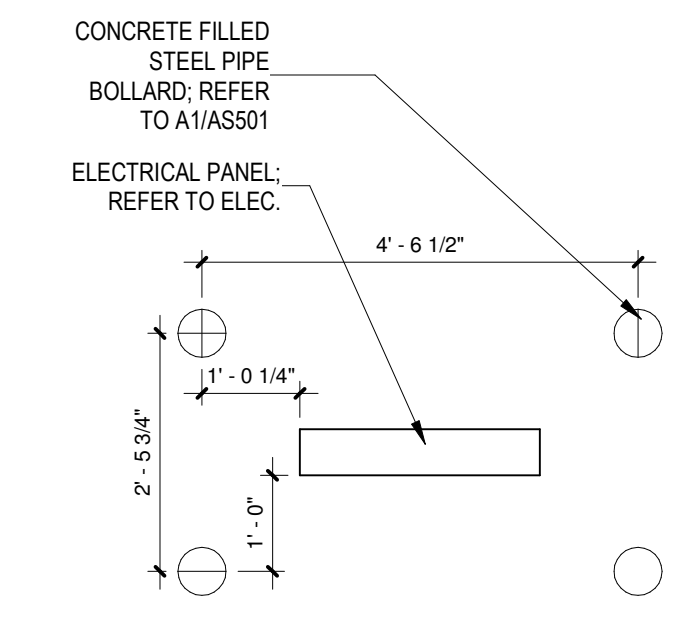
C4 ACCESSIBLE RAMP @ ENTRY SECTION B  
1/2" = 1'-0"



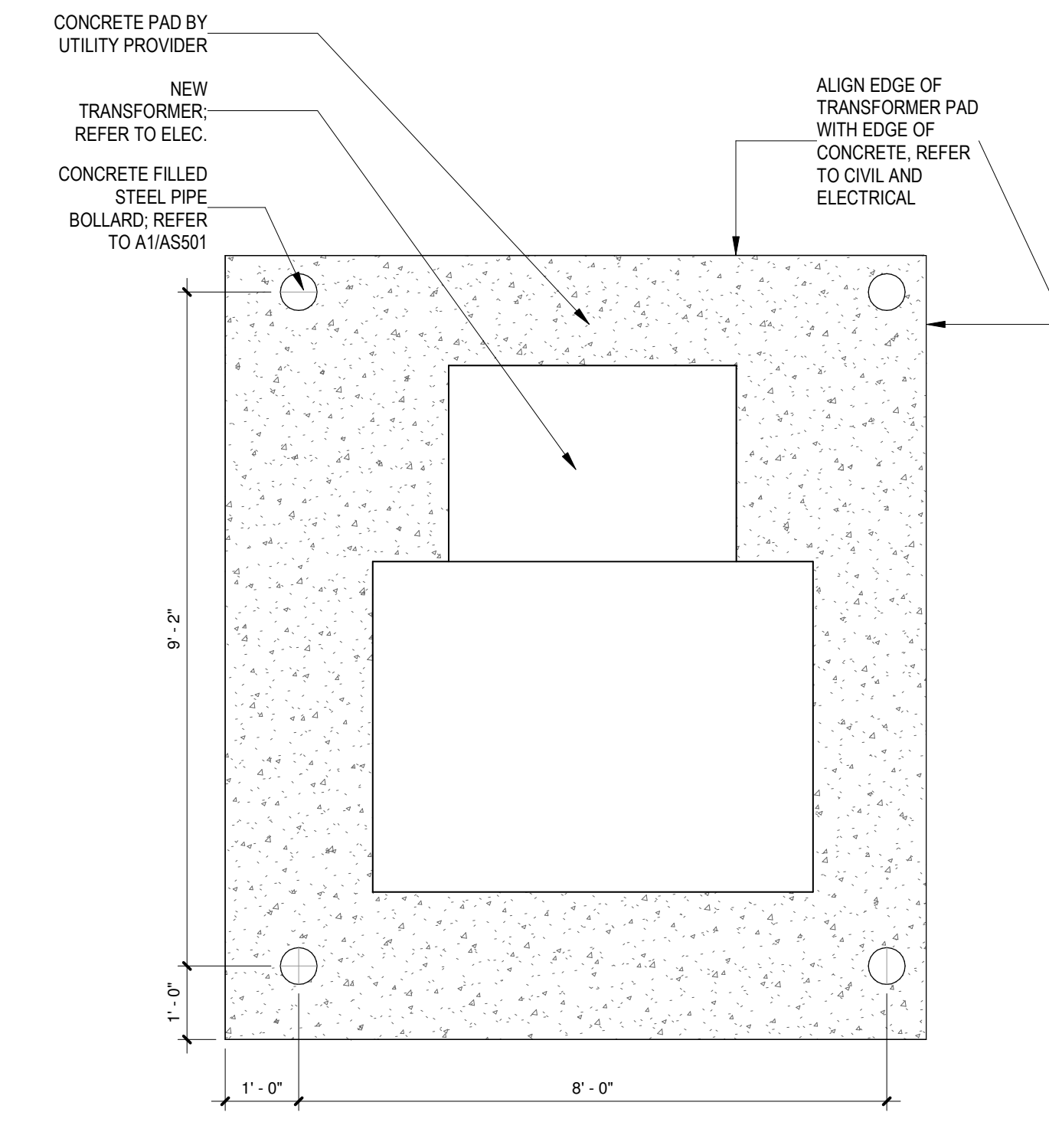
C5 ACCESSIBLE RAMP @ ENTRY SECTION A  
1/2" = 1'-0"



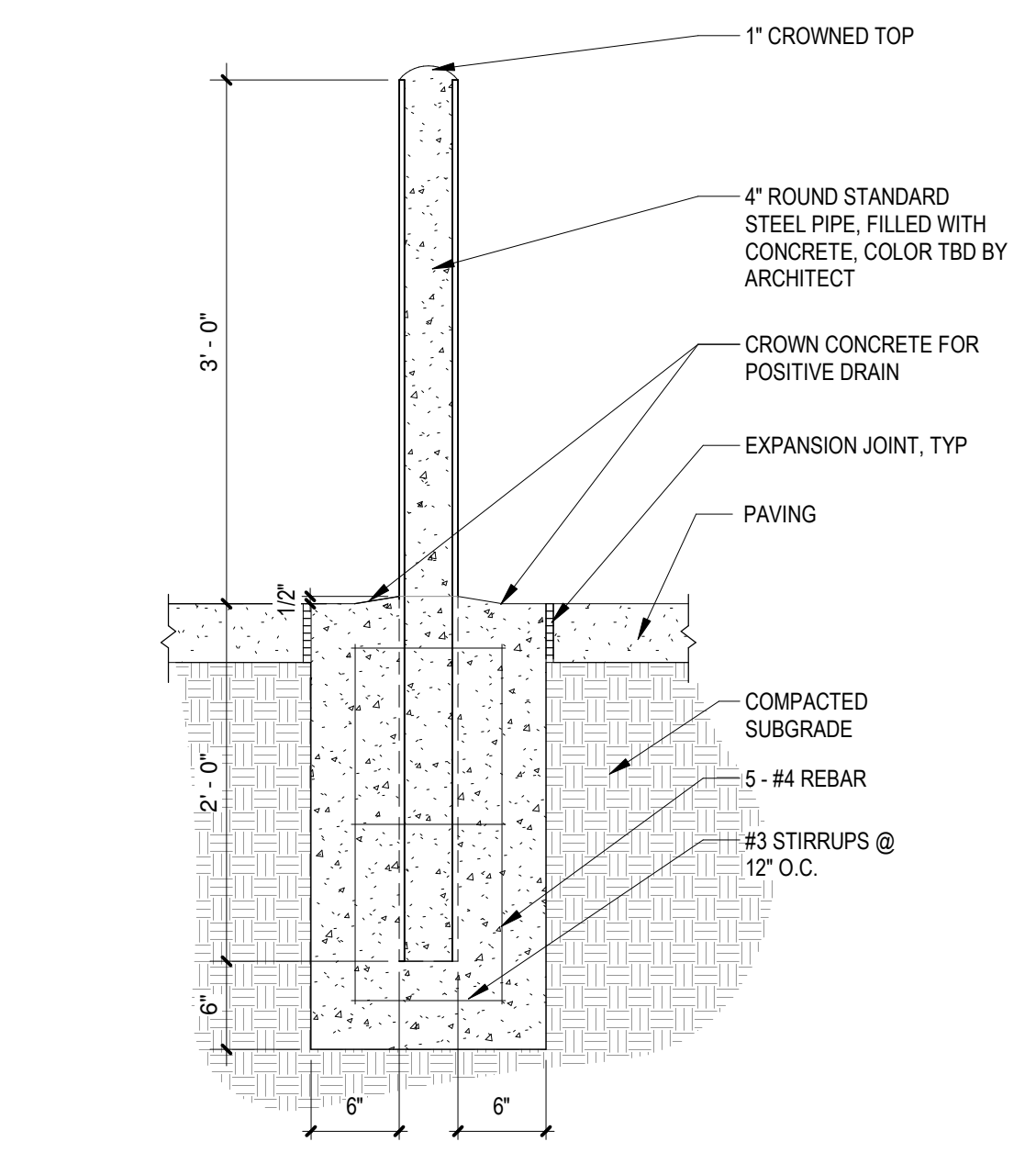
A4 ACCESSIBLE RAMP @ ENTRY  
1/2" = 1'-0"



A5 SITE BOLLARDS  
1/2" = 1'-0"

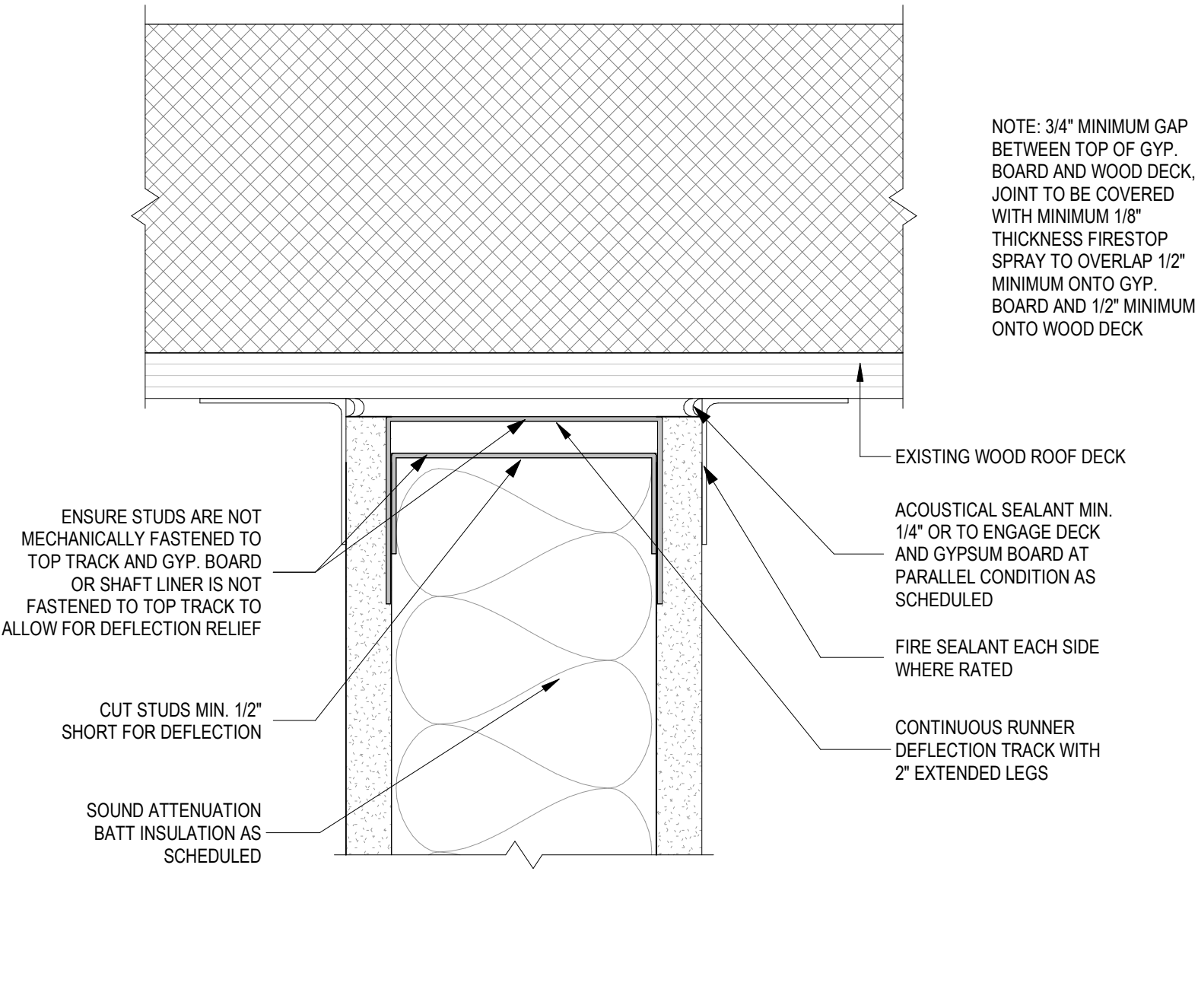


A6 SITE BOLLARDS  
1/2" = 1'-0"

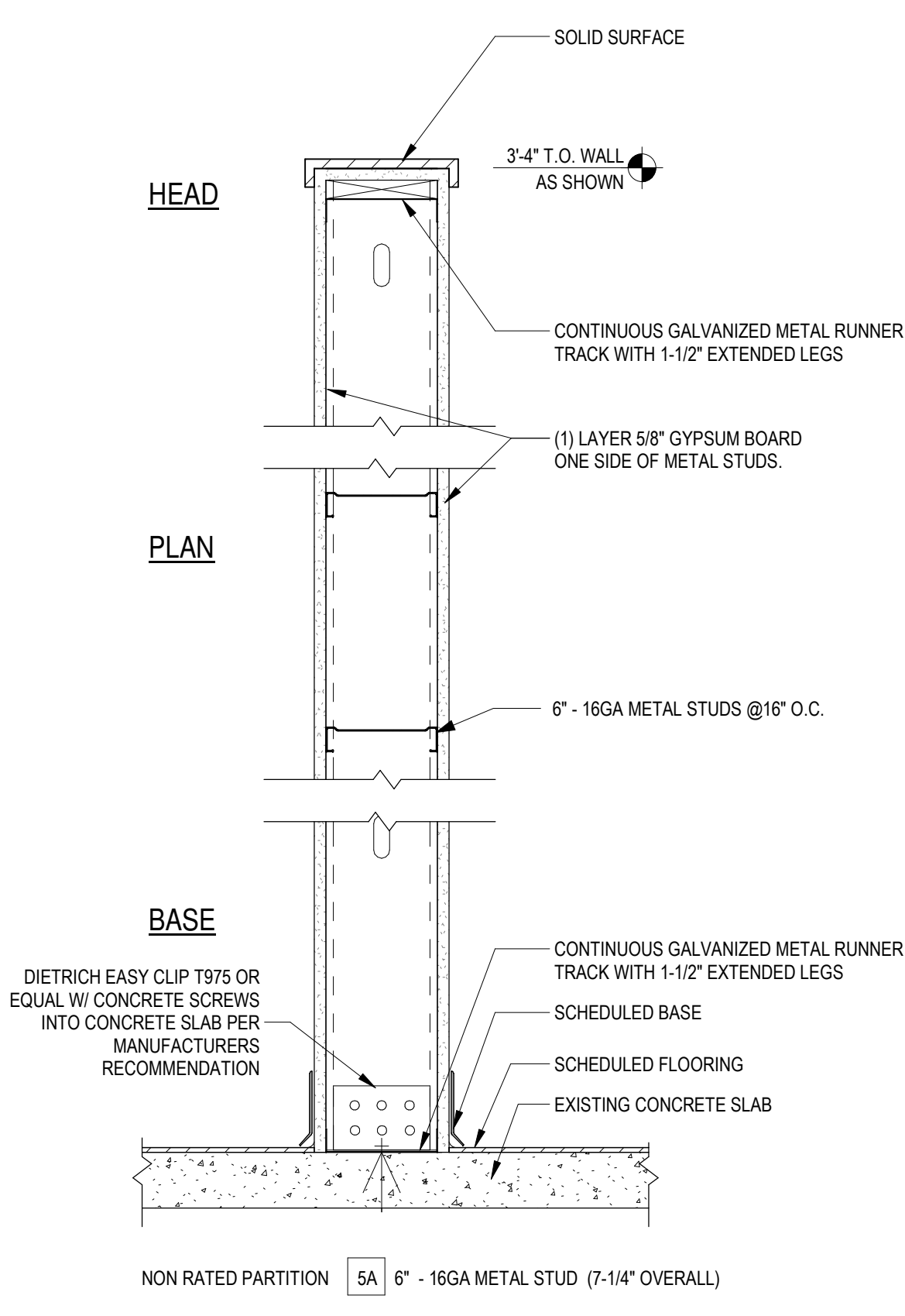


A1 DETAIL - BID LOT #3  
1" = 1'-0"

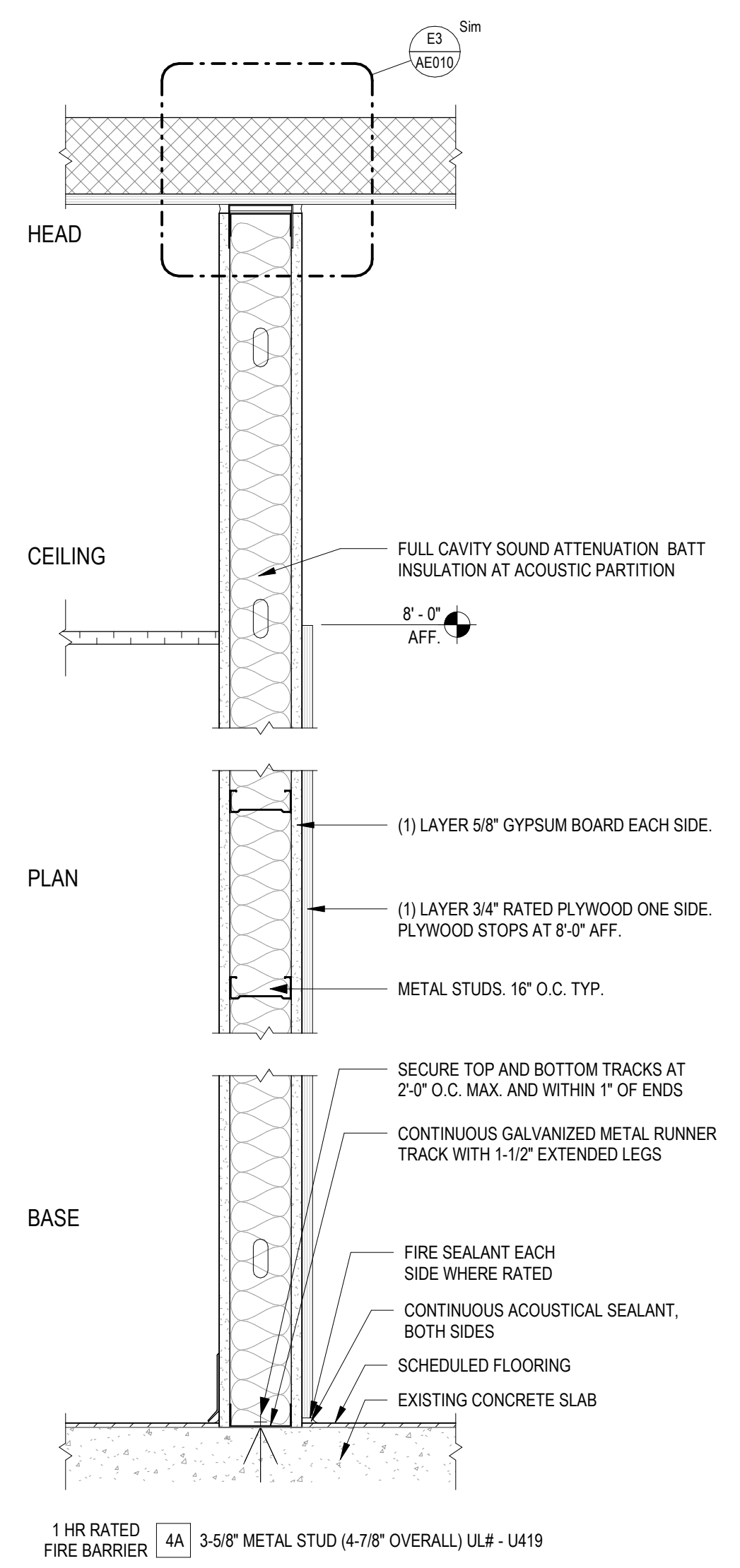




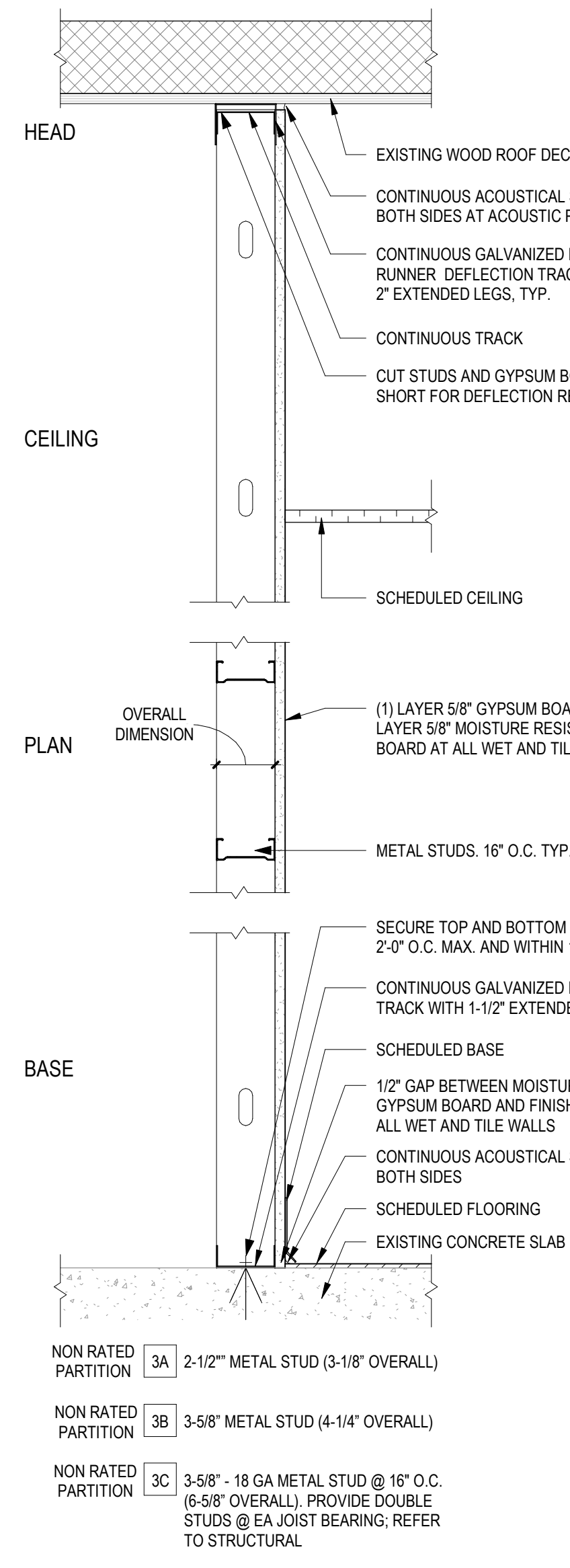
E3 HEAD DETAIL AT WOOD DECK AT RATED PARTITION  
6\"/>



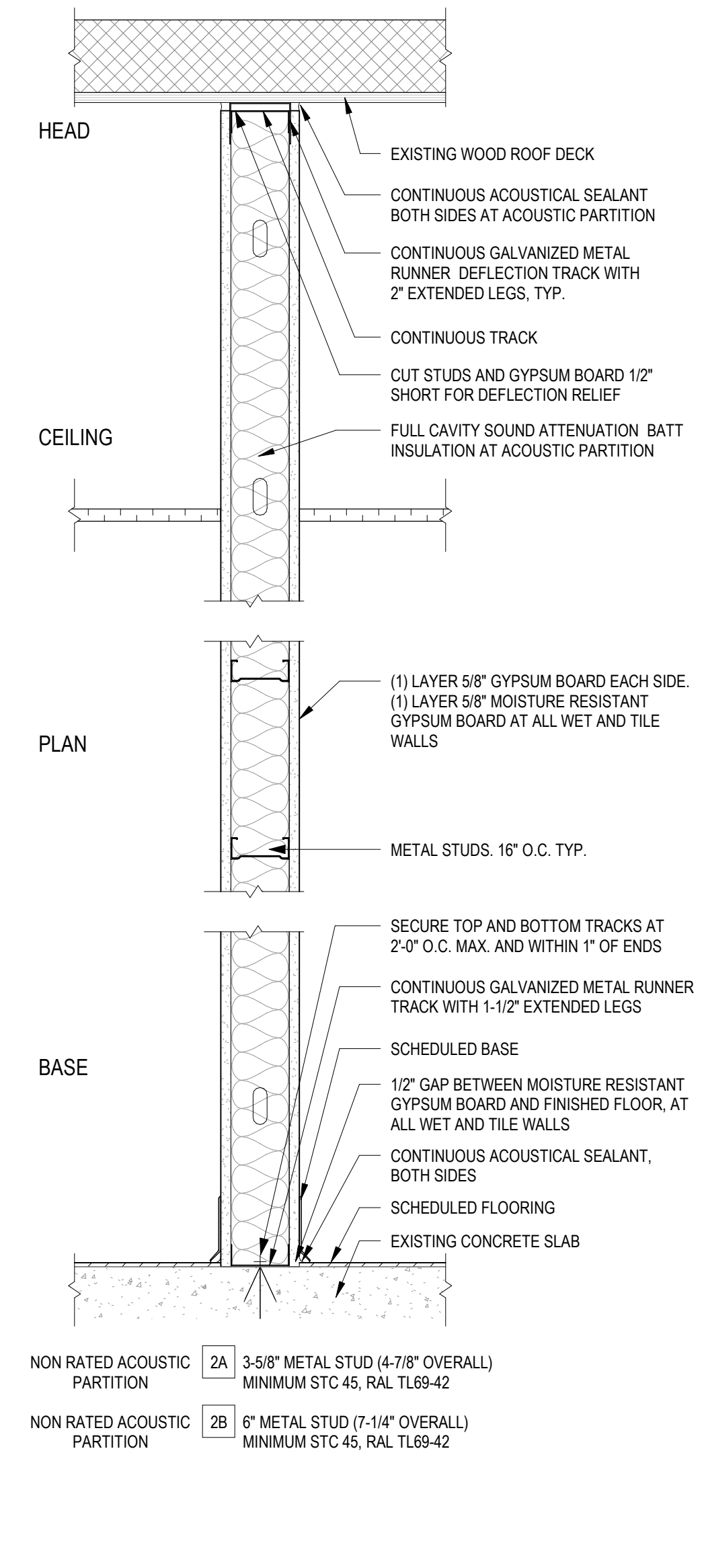
5 NON RATED PARTITION TO DECK  
1 1/2\"/>



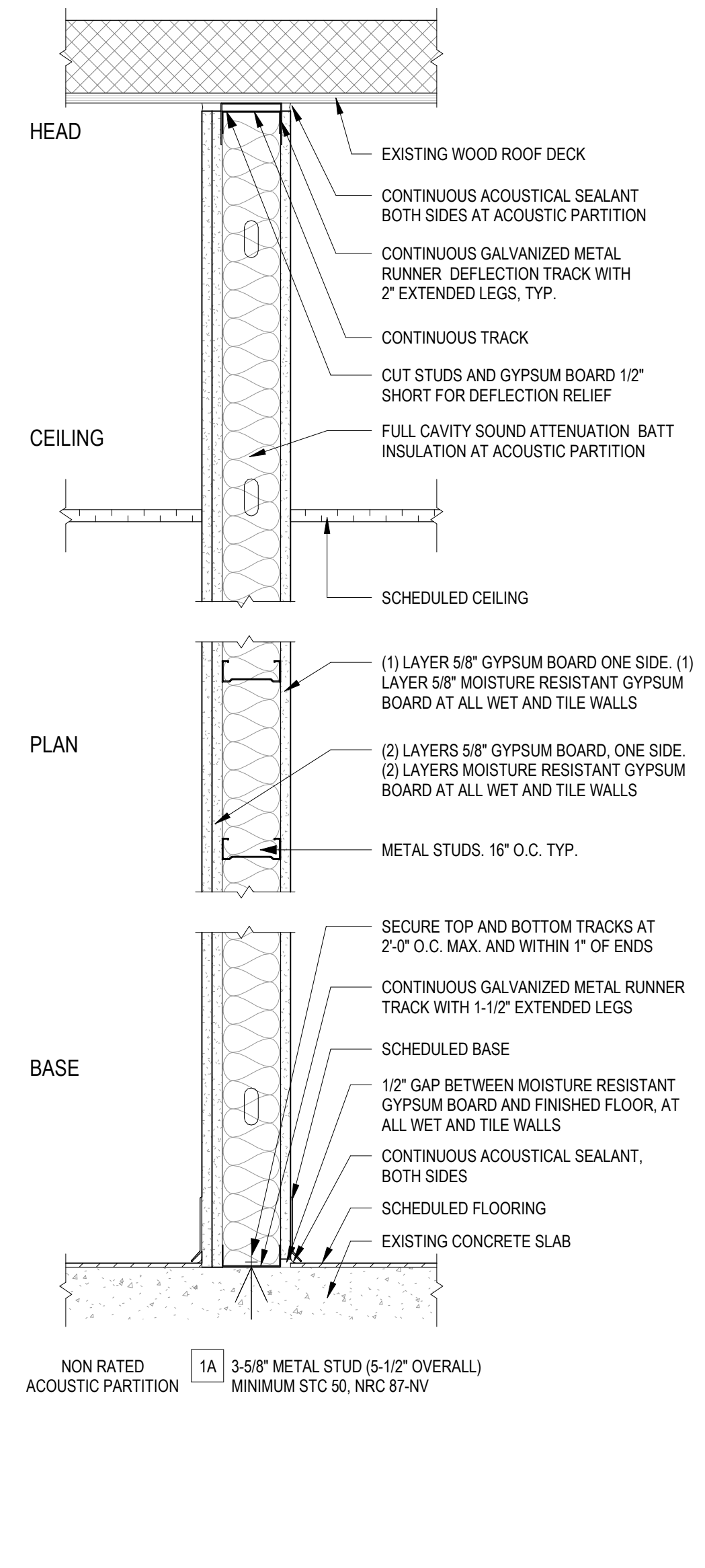
4 1HR RATED FIRE BARRIER TO DECK - UL# U419  
1 1/2\"/>



3 NON RATED PARTITION TO DECK  
1 1/2\"/>

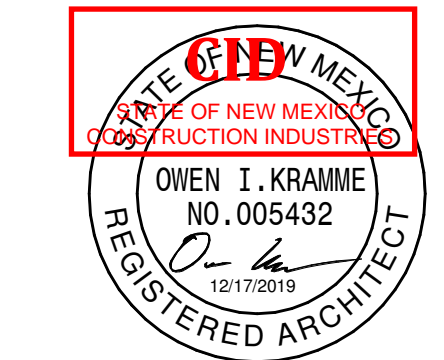


2 NON RATED PARTITION TO DECK  
1 1/2\"/>



1 NON RATED PARTITION TO DECK  
1 1/2\"/>





SEAL

PROJECT



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

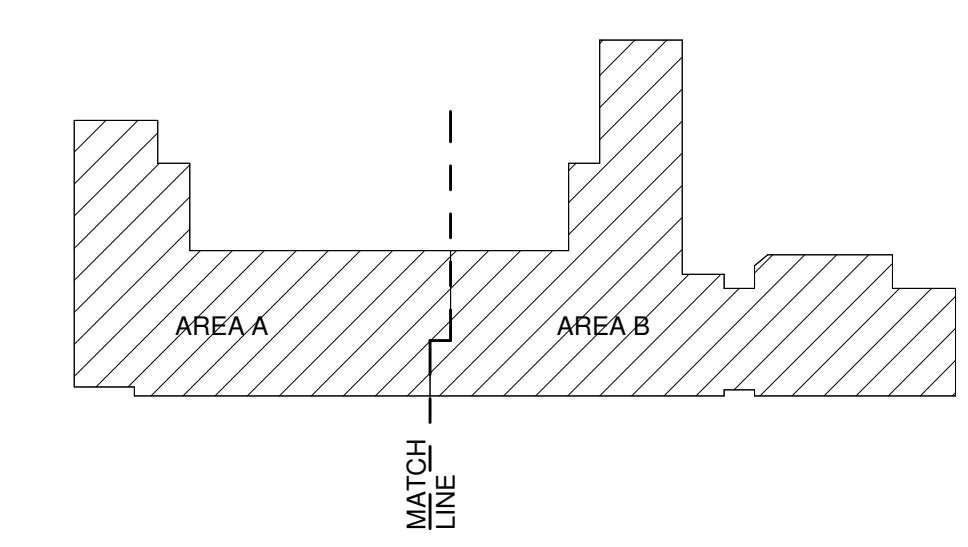
**GENERAL SHEET NOTES**

- A. DIMENSIONS ARE TO FINISHED FACE OR GRID LINE, U.N.O.
- B. REFER TO FINISH FLOOR ELEVATION
- C. PENETRATIONS THROUGH FIRE RATED ASSEMBLIES TO BE SEALED WITH APPROVED MATERIALS AND METHODS MEETING AGENCY HAVING JURISDICTION REQUIREMENTS. REFER TO G102 CODE REFERENCE SHEET FOR LOCATIONS.
- D. DOOR AND/OR WINDOW ASSEMBLIES (WITH ALL APPURTENANCES THERE TO) THAT OCCUR IN FIRE RATED WALL ASSEMBLIES TO BE U.L. CERTIFIED AND IDENTIFIED BY A PERMANENT LABEL. INSTALLATION TO BE IN COMPLIANCE WITH MANUFACTURERS INSTRUCTIONS FOR U.L. LABEL ASSEMBLY INTEGRITY ARCHITECTURAL FINISH PLANS FOR FINISHES. REFER TO G102 CODE REFERENCE SHEET FOR LOCATIONS.
- E. REFER TO G101 FOR TYPICAL MOUNTING HEIGHTS.
- F. REFER TO REFLECTED CEILING PLANS FOR CEILING AND FINISH INFO.
- G. ANY DAMAGES TO EXISTING WALLS AS A RESULT OF NEW CONSTRUCTION ARE TO BE REPAIRED TO MATCH EXISTING TEXTURE, PAINT, AND/OR FINISH.
- H. REFER TO FINISH LEGEND ON AF101 FOR ADDITIONAL FINISH INFORMATION.

**REFERENCE KEYNOTES**

**LEGEND**

**KEY PLAN**



THIS SHEET IS FOR REFERENCE ONLY. BASE BID AND ALL BID LOTS ARE SHOWN TOGETHER FOR CLARITY

**(A5) FLOOR PLAN - OVERALL**  
1/16" = 1'-0"

**CONSTRUCTION DOCUMENTS**

REVISIONS

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- △
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DRAWN BY	NW
REVIEWED BY	OK
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	FLOOR PLAN - OVERALL

SHEET NO  
**AE100**





SEAL

PROJECT



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**GENERAL SHEET NOTES**

- A. DIMENSIONS ARE TO FINISHED FACE OR GRID LINE, U.N.O.
- B. REFER TO FINISH FLOOR ELEVATION
- C. PENETRATIONS THROUGH FIRE RATED ASSEMBLIES TO BE SEALED WITH APPROVED MATERIALS AND METHODS MEETING AGENCY HAVING JURISDICTION REQUIREMENTS. REFER TO G102 CODE REFERENCE SHEET FOR LOCATIONS.
- D. DOOR AND/OR WINDOW ASSEMBLIES (WITH ALL APPURTENANCES THERETO) THAT OCCUR IN FIRE RATED WALL ASSEMBLIES TO BE U.L. CERTIFIED AND IDENTIFIED BY A PERMANENT LABEL. INSTALLATION TO BE IN COMPLIANCE WITH MANUFACTURERS INSTRUCTIONS FOR U.L. LABEL ASSEMBLY INTEGRITY ARCHITECTURAL FINISH PLANS FOR FINISHES. REFER TO G102 CODE REFERENCE SHEET FOR LOCATIONS.
- E. REFER TO G102 FOR TYPICAL MOUNTING HEIGHTS.
- F. REFER TO REFLECTED CEILING PLANS FOR CEILING AND FINISH INFO.
- G. ANY DAMAGES TO EXISTING SURFACE AS A RESULT OF NEW CONSTRUCTION ARE TO BE PATCHED AND REPAIRED TO MATCH EXISTING TEXTURE, PAINT, AND/OR FINISH. SURFACES TO BE PAINTED IN THEIR ENTIRETY FROM FLOOR TO CEILING AND INSIDE AND OUTSIDE CORNERS.
- H. ALL NEW EXPOSED DUCTWORK AND GRILES TO BE PAINTED. COLOR TO BE SELECTED BY ARCHITECT.
- I. REFER TO FINISH LEGEND ON AF-101 FOR ADDITIONAL FINISH INFORMATION.
- J. ALL EXISTING CONCRETE VAULTS THROUGHOUT SCHOOL TO BE FILLED. REFER TO DETAIL A4/AE341.
- K. REPLACE ALL DAMAGED EXISTING WALL WAINSCOT TILES WITH SALVAGED TILES FROM SELECTIVE DEMOLITION.
- L. PATCH AND REPAIR CRACKS THROUGHOUT BUILDING TO MATCH ADJACENT TEXTURE, PAINT, AND/OR FINISH.
- M. ALL EXISTING EXTERIOR CONCRETE WALLS TO RECEIVE R-10 RIGID INSULATION ON INTERIOR SIDE WHERE NEW FURRED OUT WALL OCCUR.
- N. SEE SPECIFICATION 10 1400 FOR INTERIOR ROOM SIGNAGE REQUIREMENTS. INTERIOR ROOM SIGNAGE TO CORRESPOND WITH DOORS IN BASE BID VS DOOR IN BID LOTS.
- O. EMERGENCY EVAC SIGNAGE TO BE INSTALLED IN FIELD. REFER TO SPECIFICATIONS 10 1400 FOR EVAC SIGNAGE REQUIREMENTS.
- P. HIGH IMPACT RESISTANT GYPSUM BOARD TO BE INSTALLED ON ALL JANITOR ROOMS, ABUSE RESISTANT GYPSUM BOARD TO BE INSTALLED ON ALL NEW CORRIDOR AND HALLWAY WALLS.
- Q. PATCH MISCELLANEOUS FLOOR DAMAGE CAUSED BY DEMOLITION OF UTILITIES.

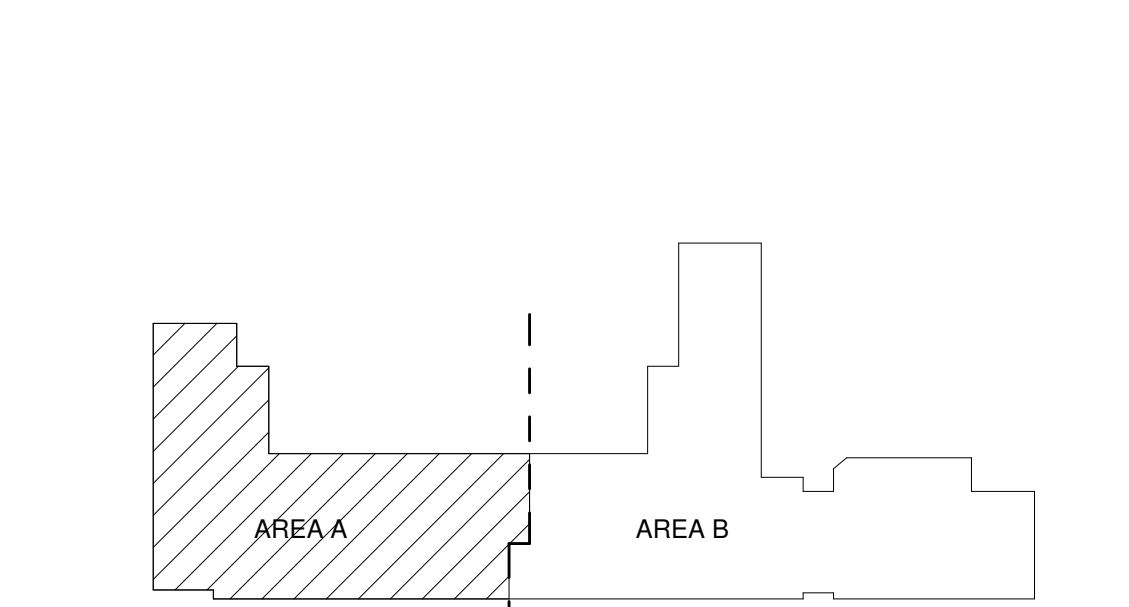
**REFERENCE KEYNOTES**

0 01	LINE OF SOFFIT/OVERHANG ABOVE
02 0100.09	EXISTING STEEL COLUMN TO REMAIN
06 4023.19	CASEWORK CUBBIES; REFERENCE INTERIOR ELEVATIONS AND CASEWORK SECTION FOR FINISHES
06 4523.01	PRE-ENGINEERED INSULATED TRANSLUCENT FIBERGLASS SANDWICH PANEL
09 7200.01	CORK WALL COVERING; REFER FINISH LEGEND
09 7200.02	48" X 60" CORK WALL COVERING W/ 1/2" STAINLESS STEEL "J" TRIM; REFER FINISH LEGEND
09 7200.03	CORK WALL COVERING W/ 1/2" STAINLESS STEEL "J" TRIM; REFER FINISH LEGEND
10 1101.01	60" X 120" WHITE BOARD WITH 2 FLAG HOLDERS
10 1416.01	PLAQUE SIGNAGE; INFORMATION TO BE CONFIRMED AT TIME OF SUBMITTAL REVIEW; REFER TO SPECIFICATIONS

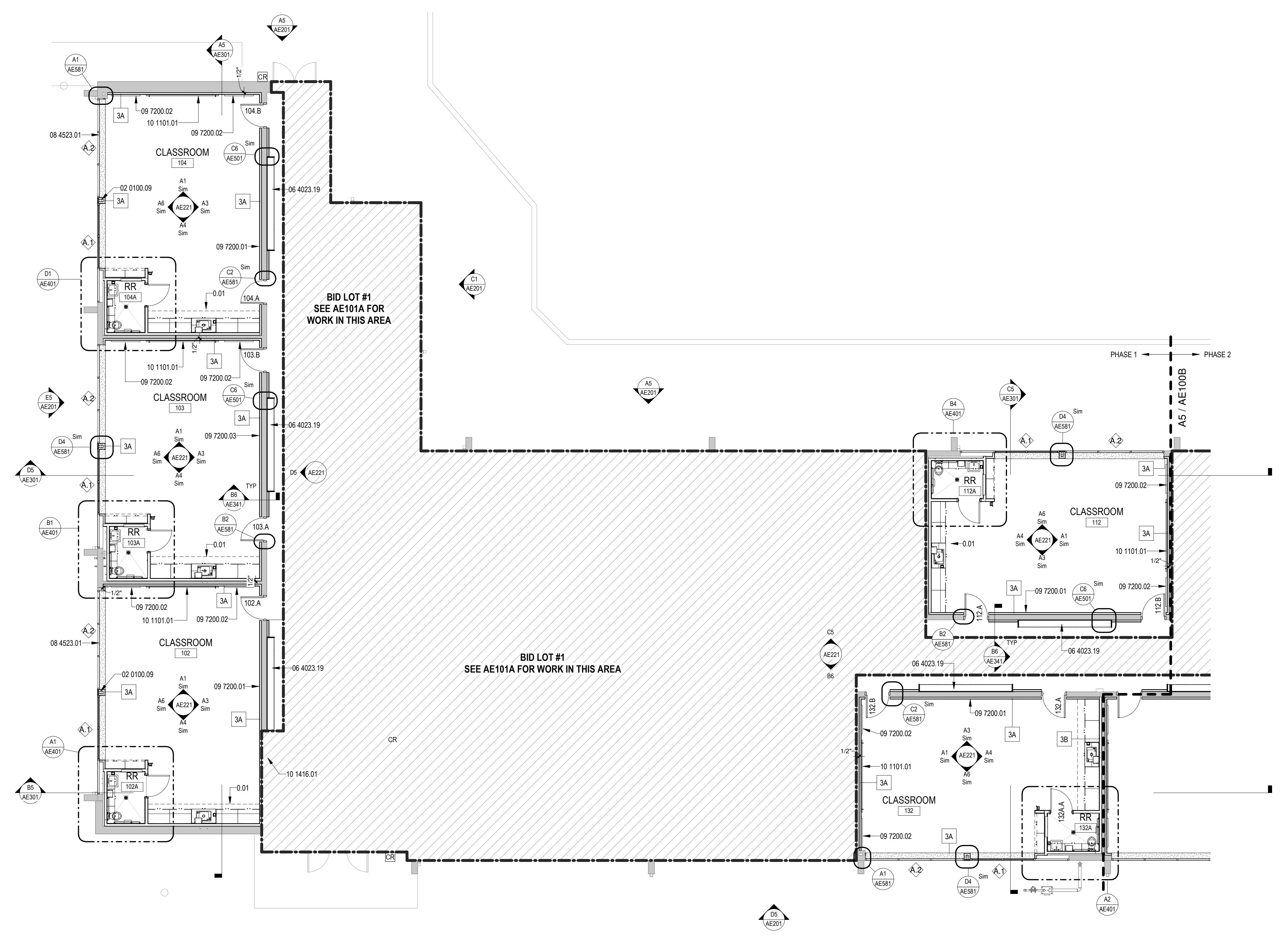
**LEGEND**

- EXISTING WALL TO REMAIN
- NEW WALL, REFER TO AE101- PARTITION TYPES
- NEW DOOR, REFER TO AE21- SCHEDULES
- EXISTING TO REMAIN
- NEW CONSTRUCTION
- NO WORK
- PORTION OF WORK TO BE COMPLETED AS PART OF BID LOT #1. REFER TO BID LOT SHEETS

**KEY PLAN**



**A5 FLOOR PLAN - AREA A**  
1/8" = 1'-0"



**CONSTRUCTION DOCUMENTS**

REVISIONS

- △
- △
- △
- △
- △

DRAWN BY	NW
REVIEWED BY	OK
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

**FLOOR PLAN - AREA A**

SHEET NO  
**AE100A**





SEAL

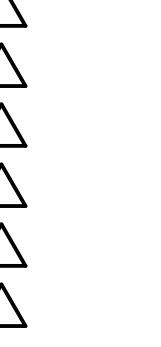
PROJECT



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

CONSTRUCTION DOCUMENTS

REVISIONS



DRAWN BY	NW
REVIEWED BY	OK
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	FLOOR PLAN - AREA B

FLOOR PLAN - AREA B

SHEET NO

AE100B

**GENERAL SHEET NOTES**

- A. DIMENSIONS ARE TO FINISHED FACE OR GRID LINE, U.N.O.
- B. REFER TO FINISH FLOOR ELEVATION
- C. PENETRATIONS THROUGH FIRE RATED ASSEMBLIES TO BE SEALED WITH APPROVED MATERIALS AND METHODS MEETING AGENCY HAVING JURISDICTION REQUIREMENTS. REFER TO G102 CODE REFERENCE SHEET FOR LOCATIONS.
- D. DOOR AND/OR WINDOW ASSEMBLIES (WITH ALL APPURTENANCES THERETO) THAT OCCUR IN FIRE RATED WALL ASSEMBLIES TO BE U.L. CERTIFIED AND IDENTIFIED BY A PERMANENT LABEL. INSTALLATION TO BE IN COMPLIANCE WITH MANUFACTURERS INSTRUCTIONS FOR U.L. LABEL ASSEMBLY INTEGRITY ARCHITECTURAL FINISH PLANS FOR FINISHES. REFER TO G102 CODE REFERENCE SHEET FOR LOCATIONS.
- E. REFER TO G102 FOR TYPICAL MOUNTING HEIGHTS.
- F. REFER TO REFLECTED CEILING PLANS FOR CEILING AND FINISH INFO.
- G. ANY DAMAGES TO EXISTING SURFACE AS A RESULT OF NEW CONSTRUCTION ARE TO BE PATCHED AND REPAIRED TO MATCH EXISTING TEXTURE, PAINT, AND/OR FINISH. SURFACES TO BE PAINTED IN THEIR ENTIRETY FROM FLOOR TO CEILING AND INSIDE AND OUTSIDE CORNERS.
- H. ALL NEW EXPOSED DUCTWORK AND GRILES TO BE PAINTED. COLOR TO BE SELECTED BY ARCHITECT.
- I. REFER TO FINISH LEGEND ON AF-01 FOR ADDITIONAL FINISH INFORMATION.
- J. ALL EXISTING CONCRETE VAULTS THROUGHOUT SCHOOL TO BE INFILLED. REFER TO DETAIL A4AE341.
- K. REPLACE ALL DAMAGED EXISTING WALL WAINSCOT TILES WITH SALVAGED TILES FROM SELECTIVE DEMOLITION.
- L. PATCH AND REPAIR CRACKS THROUGHOUT BUILDING TO MATCH ADJACENT TEXTURE, PAINT, AND/OR FINISH.
- M. ALL EXISTING EXTERIOR CONCRETE WALLS TO RECEIVE R-10 RIGID INSULATION ON INTERIOR SIDE WHERE NEW FURRED OUT WALL OCCUR.
- N. SEE SPECIFICATION 10 1400 FOR INTERIOR ROOM SIGNAGE REQUIREMENTS. INTERIOR ROOM SIGNAGE TO CORRESPOND WITH DOORS IN BASE BID VS DOOR IN BID LOTS.
- O. EMERGENCY EVAC SIGNAGE TO BE INSTALLED IN FIELD. REFER TO SPECIFICATIONS 10 1400 FOR EVAC SIGNAGE REQUIREMENTS.
- P. HIGH IMPACT RESISTANT GYPSUM BOARD TO BE INSTALLED ON ALL JANITOR ROOMS, ABUSE RESISTANT GYPSUM BOARD TO BE INSTALLED ON ALL NEW CORRIDOR AND HALLWAY WALLS
- Q. PATCH MISCELLANEOUS FLOOR DAMAGE CAUSED BY DEMOLITION OF UTILITIES

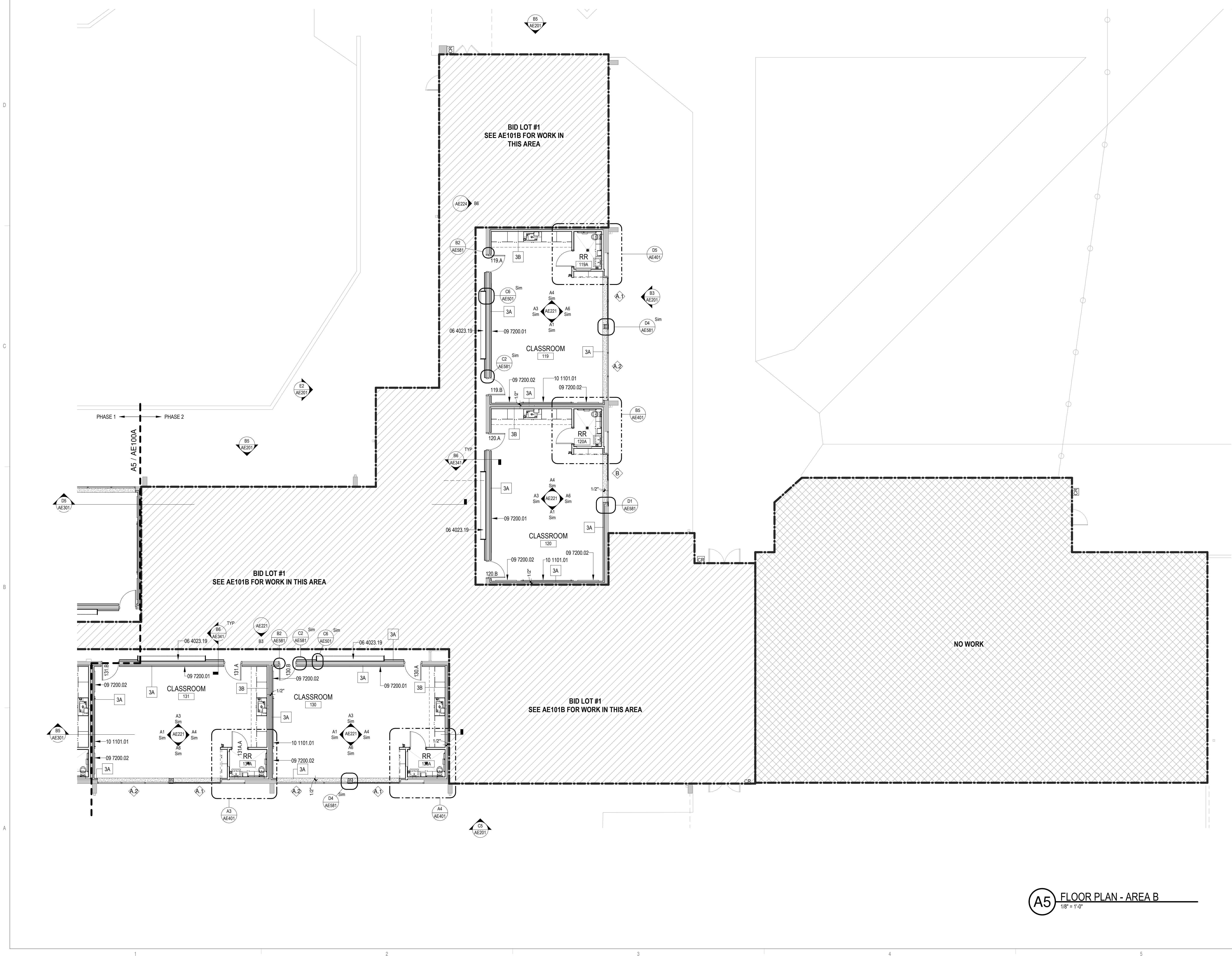
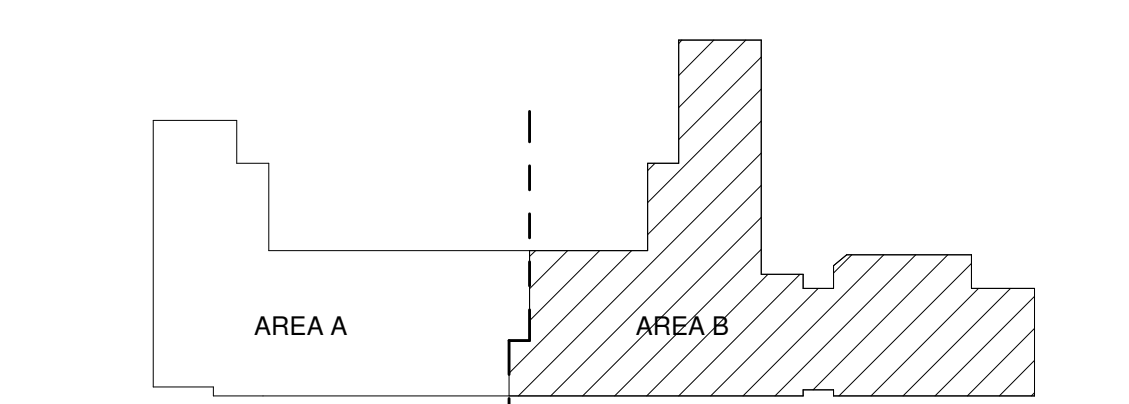
**REFERENCE KEYNOTES**

06 4023.19	CASEWORK CUBBIES; REFERENCE INTERIOR ELEVATIONS AND CASEWORK SECTION FOR FINISHES
09 7200.01	CORK WALL COVERING; REFER FINISH LEGEND
09 7200.02	48" X 60" CORK WALL COVERING W/ 1/2" STAINLESS STEEL "J" TRIM; REFER FINISH LEGEND
10 1101.01	60" X 120" WHITE BOARD WITH 2 FLAG HOLDERS

**LEGEND**

- EXISTING WALL TO REMAIN
- NEW WALL, REFER TO AE1010 PARTITION TYPES
- NEW DOOR, REFER TO AE211 SCHEDULES
- EXISTING TO REMAIN
- NEW CONSTRUCTION
- NO WORK
- PORTION OF WORK TO BE COMPLETED AS PART OF BID LOT #1. REFER TO BID LOT SHEETS

**KEY PLAN**



**A5 FLOOR PLAN - AREA B**  
1/8" = 1'-0"





SEAL

PROJECT



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

CONSTRUCTION DOCUMENTS

REVISIONS



DRAWN BY	NW
REVIEWED BY	OK
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

FLOOR PLAN - AREA A - BID LOT #1

SHEET NO

AE101A

**GENERAL SHEET NOTES**

- A. DIMENSIONS ARE TO FINISHED FACE OR GRID LINE, U.N.O.
- B. REFER TO FINISH FLOOR ELEVATION
- C. PENETRATIONS THROUGH FIRE RATED ASSEMBLIES TO BE SEALED WITH APPROVED MATERIALS AND METHODS MEETING AGENCY HAVING JURISDICTION REQUIREMENTS. REFER TO G102 CODE REFERENCE SHEET FOR LOCATIONS.
- D. DOOR AND/OR WINDOW ASSEMBLIES (WITH ALL APPURTENANCES THEREON) THAT OCCUR IN FIRE RATED WALL ASSEMBLIES TO BE U.L. CERTIFIED AND IDENTIFIED BY A PERMANENT LABEL. INSTALLATION TO BE IN COMPLIANCE WITH MANUFACTURERS INSTRUCTIONS FOR U.L. LABEL ASSEMBLY INTEGRITY ARCHITECTURAL FINISH PLANS FOR FINISHES. REFER TO G102 CODE REFERENCE SHEET FOR LOCATIONS.
- E. REFER TO G102 FOR TYPICAL MOUNTING HEIGHTS.
- F. REFER TO REFLECTED CEILING PLANS FOR CEILING AND FINISH INFO.
- G. ANY DAMAGES TO EXISTING SURFACE AS A RESULT OF NEW CONSTRUCTION ARE TO BE PATCHED AND REPAIRED TO MATCH EXISTING TEXTURE, PAINT, AND/OR FINISH. SURFACES TO BE PAINTED IN THEIR ENTIRETY FROM FLOOR TO CEILING AND INSIDE AND OUTSIDE CORNERS.
- H. ALL NEW EXPOSED DUCTWORK AND GRILES TO BE PAINTED. COLOR TO BE SELECTED BY ARCHITECT.
- I. REFER TO FINISH LEGEND ON AF-101 FOR ADDITIONAL FINISH INFORMATION.
- J. ALL EXISTING CONCRETE VAULTS THROUGHOUT SCHOOL TO BE INFILLED. REFER TO DETAIL A4/AE341.
- K. REPLACE ALL DAMAGED EXISTING WALL WAINSCOT TILES WITH SALVAGED TILES FROM SELECTIVE DEMOLITION.
- L. PATCH AND REPAIR CRACKS THROUGHOUT BUILDING TO MATCH ADJACENT TEXTURE, PAINT, AND/OR FINISH.
- M. ALL EXISTING EXTERIOR CONCRETE WALLS TO RECEIVE R-10 RIGID INSULATION ON INTERIOR SIDE WHERE NEW FURRED OUT WALL OCCUR.
- N. SEE SPECIFICATION 10 1400 FOR INTERIOR ROOM SIGNAGE REQUIREMENTS. INTERIOR ROOM SIGNAGE TO CORRESPOND WITH DOORS IN BASE BID VS DOOR IN BID LOTS.
- O. EMERGENCY EVAC SIGNAGE TO BE INSTALLED IN FIELD. REFER TO SPECIFICATIONS 10 1400 FOR EVAC SIGNAGE REQUIREMENTS.
- P. HIGH IMPACT RESISTANT GYPSUM BOARD TO BE INSTALLED ON ALL JANITOR ROOMS, ABUSE RESISTANT GYPSUM BOARD TO BE INSTALLED ON ALL NEW CORRIDOR AND HALLWAY WALLS.
- Q. PATCH MISCELLANEOUS FLOOR DAMAGE CAUSED BY DEMOLITION OF UTILITIES.

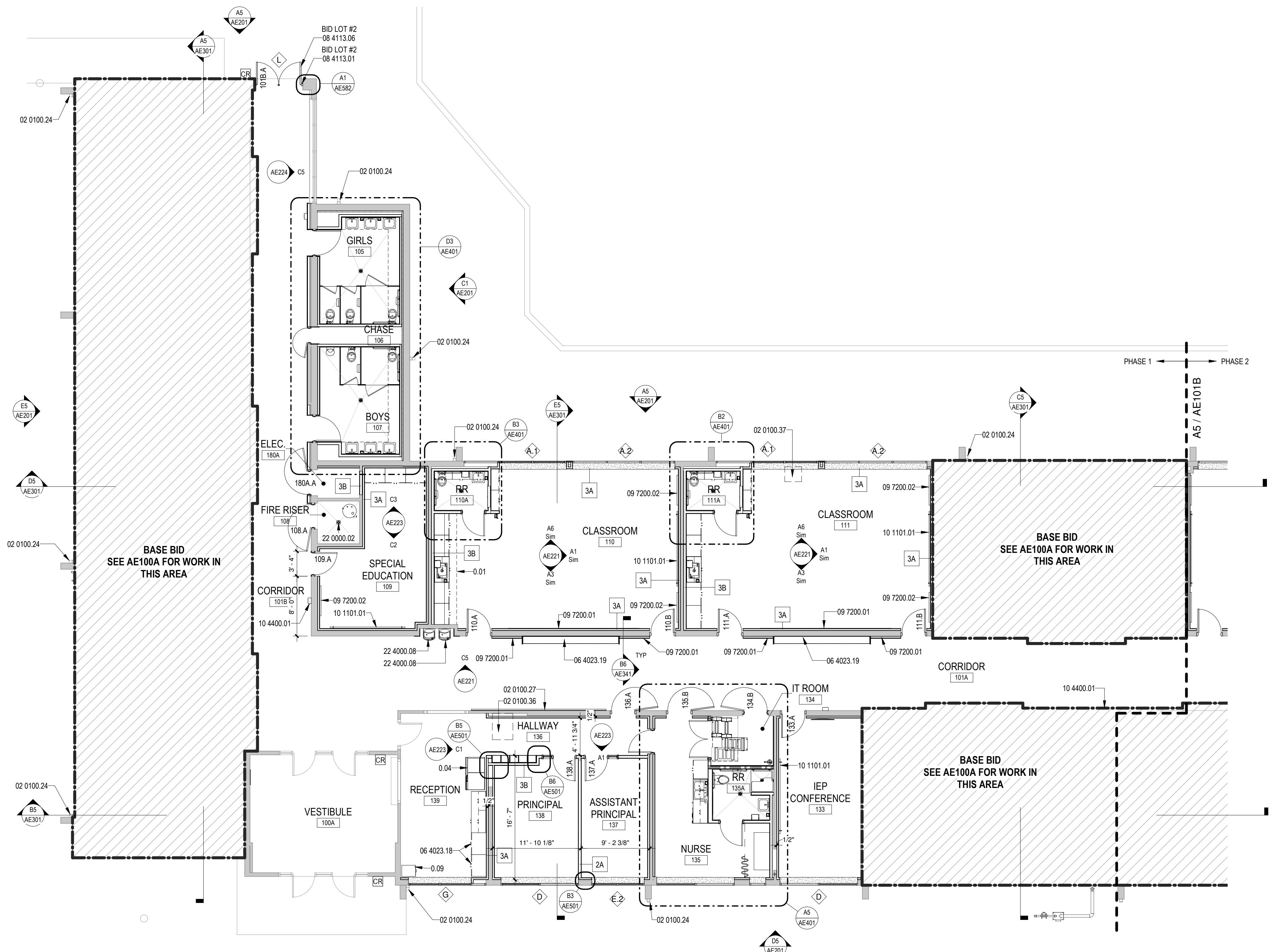
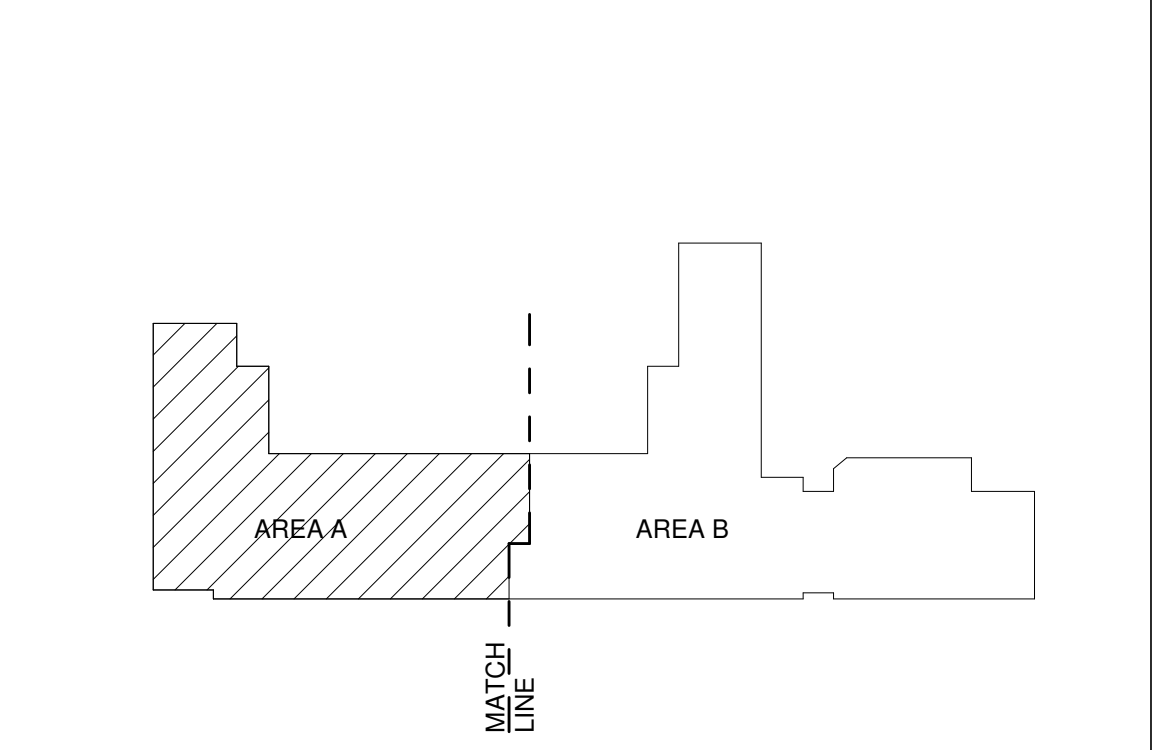
**REFERENCE KEYNOTES**

0.01	LINE OF SOFFIT/OVERHANG ABOVE
0.04	COPIER, N.I.C.
0.09	FIRE PROOF FLING CABINET, N.I.C.
02 0100.24	DISMANTLE EXISTING DOWNSPOUTS; REINSTALL DOWNSPOUTS AFTER NEW EXTERIOR WALL FINISH IS COMPLETE. STORE AS REQUIRED
02 0100.27	REASSEMBLED CHALKBOARD, COORDINATE LOCATION WITH OWNER
02 0100.36	PATCH AND REPAIR EXISTING FLOOR AT DEMOLISHED TOILET LOCATION AS REQUIRED
02 0100.37	PATCH AND REPAIR EXISTING FLOOR AND WALL AT DEMOLISHED SINK LOCATION AS REQUIRED
06 4023.18	NEW CASEWORK TO BE INSTALLED AT END OF CONSTRUCTION AFTER THE REMOVAL OF EXISTING FIRE ALARM PANEL
06 4023.19	CASEWORK CUBBIES; REFERENCE INTERIOR ELEVATIONS AND CASEWORK SECTION FOR FINISHES
08 4113.01	ALUMINUM-FRAMED STOREFRONT SYSTEM
08 4113.06	ALUMINUM STOREFRONT DOOR W/ REMOVABLE MULLION
09 7200.01	CORK WALL COVERING; REFER FINISH LEGEND
09 7200.02	48" X 60" CORK WALL COVERING W/ 1/2" STAINLESS STEEL "J" TRIM; REFER FINISH LEGEND
10 1101.01	60" X 120" WHITE BOARD WITH 2 FLAG HOLDERS
10 4400.01	SURFACE MOUNT FIRE EXTINGUISHER CABINET
22 0000.02	6" X 6" FLOOR DRAIN; REFER TO D5/AF101A FOR TILE DETAIL. REFER TO PLUMBING
22 4000.08	DRINKING FOUNTAIN; REFER TO PLUMBING
26 0000.05	EXISTING FIRE ALARM PANEL TO REMAIN THROUGH CONSTRUCTION; REFER TO ELEC.

**LEGEND**

- EXISTING WALL TO REMAIN
- NEW WALL, REFER TO AE10- PARTITION TYPES
- NEW DOOR, REFER TO AE21- SCHEDULES
- EXISTING TO REMAIN
- NEW CONSTRUCTION
- NO WORK
- PORTION OF WORK TO BE COMPLETED AS PART OF BASE BID. REFER TO BASE BID SHEETS

**KEY PLAN**



FLOOR PLAN - AREA A  
A5 BID LOT #1  
1/8" = 1'-0"





SEAL

PROJECT



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**GENERAL SHEET NOTES**

- A. DIMENSIONS ARE TO FINISHED FACE OR GRID LINE, U.N.O.
- B. REFER TO FINISH FLOOR ELEVATION
- C. PENETRATIONS THROUGH FIRE RATED ASSEMBLIES TO BE SEALED WITH APPROVED MATERIALS AND METHODS MEETING AGENCY HAVING JURISDICTION REQUIREMENTS. REFER TO G102 CODE REFERENCE SHEET FOR LOCATIONS.
- D. DOOR AND/OR WINDOW ASSEMBLIES (WITH ALL APPURTENANCES THEREOF) THAT OCCUR IN FIRE RATED WALL ASSEMBLIES TO BE U.L. CERTIFIED AND IDENTIFIED BY A PERMANENT LABEL. INSTALLATION TO BE IN COMPLIANCE WITH MANUFACTURERS INSTRUCTIONS FOR U.L. LABEL ASSEMBLY INTEGRITY ARCHITECTURAL FINISH PLANS FOR FINISHES. REFER TO G102 CODE REFERENCE SHEET FOR LOCATIONS.
- E. REFER TO G102 FOR TYPICAL MOUNTING HEIGHTS.
- F. REFER TO REFLECTED CEILING PLANS FOR CEILING AND FINISH INFO.
- G. ANY DAMAGES TO EXISTING SURFACE AS A RESULT OF NEW CONSTRUCTION ARE TO BE PATCHED AND REPAIRED TO MATCH EXISTING TEXTURE, PAINT, AND/OR FINISH. SURFACES TO BE PAINTED IN THEIR ENTIRETY FROM FLOOR TO CEILING AND INSIDE AND OUTSIDE CORNERS.
- H. ALL NEW EXPOSED DUCTWORK AND GRILES TO BE PAINTED. COLOR TO BE SELECTED BY ARCHITECT.
- I. REFER TO FINISH LEGEND ON AF-01 FOR ADDITIONAL FINISH INFORMATION.
- J. ALL EXISTING CONCRETE VAULTS THROUGHOUT SCHOOL TO BE INFILLED. REFER TO DETAIL AA/AE341.
- K. REPLACE ALL DAMAGED EXISTING WALL WAINSCOT TILES WITH SALVAGED TILES FROM SELECTIVE DEMOLITION.
- L. PATCH AND REPAIR CRACKS THROUGHOUT BUILDING TO MATCH ADJACENT TEXTURE, PAINT, AND/OR FINISH.
- M. ALL EXISTING EXTERIOR CONCRETE WALLS TO RECEIVE R-10 RIGID INSULATION ON INTERIOR SIDE WHERE NEW FURRED OUT WALL OCCUR.
- N. SEE SPECIFICATION 10 1400 FOR INTERIOR ROOM SIGNAGE REQUIREMENTS. INTERIOR ROOM SIGNAGE TO CORRESPOND WITH DOORS IN BASE BID VS DOOR IN BID LOTS.
- O. EMERGENCY EVAC SIGNAGE TO BE INSTALLED IN FIELD. REFER TO SPECIFICATIONS 10 1400 FOR EVAC SIGNAGE REQUIREMENTS.
- P. HIGH IMPACT RESISTANT GYPSUM BOARD TO BE INSTALLED ON ALL JANITOR ROOMS, ABUSE RESISTANT GYPSUM BOARD TO BE INSTALLED ON ALL NEW CORRIDOR AND HALLWAY WALLS.
- Q. PATCH MISCELLANEOUS FLOOR DAMAGE CAUSED BY DEMOLITION OF UTILITIES.

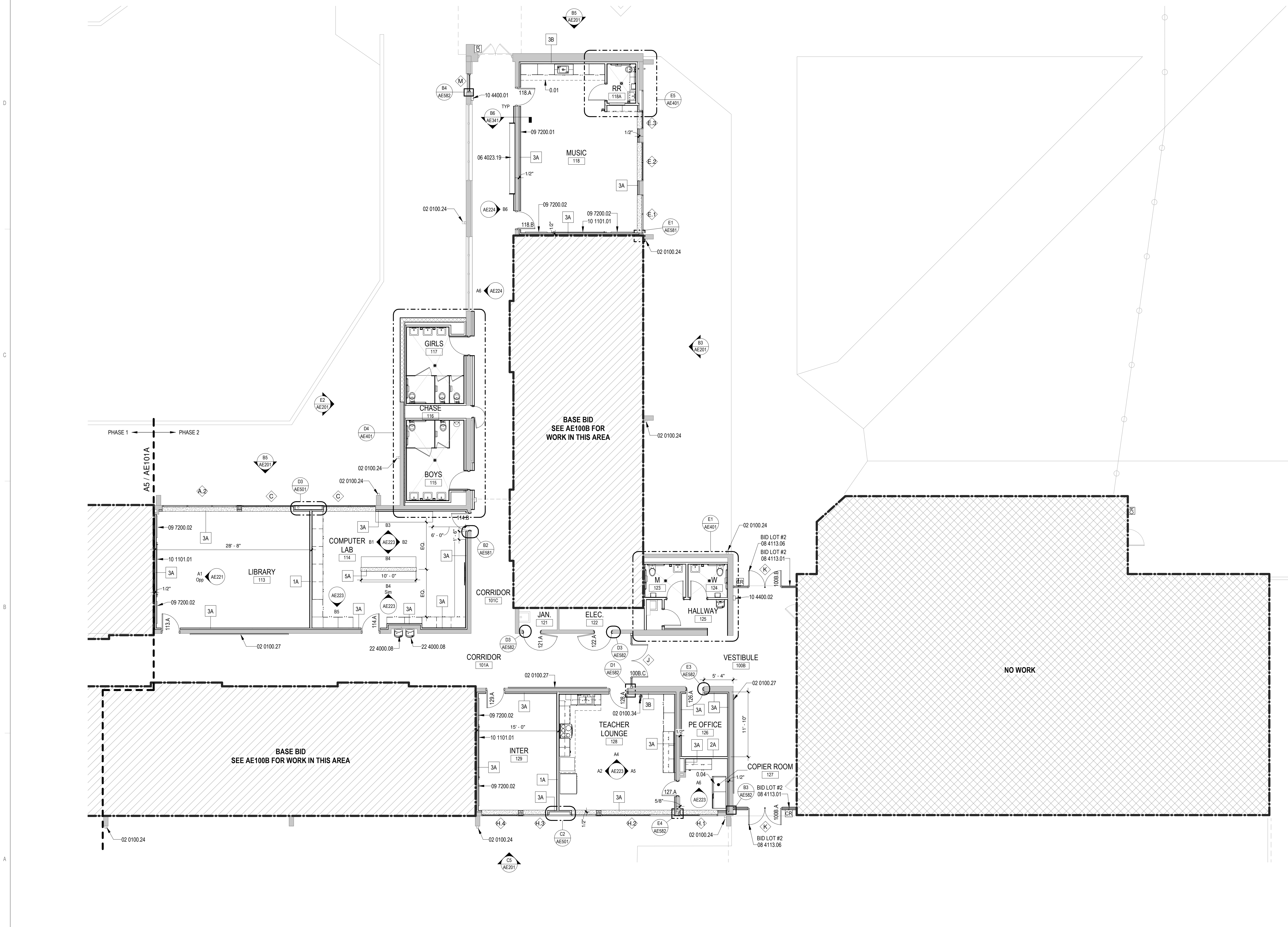
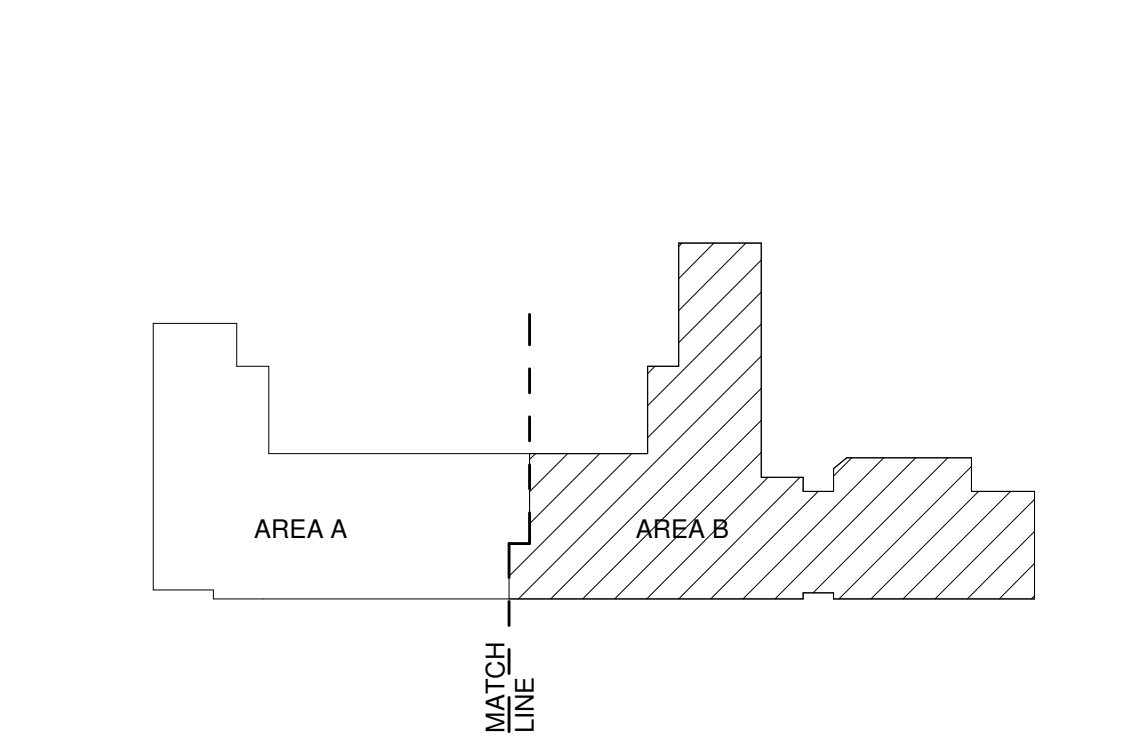
**REFERENCE KEYNOTES**

0.01	LINE OF SOFFIT/OVERHANG ABOVE
0.04	COPIER, N.I.C.
02 0100.24	DISMANTLE EXISTING DOWNSPOUTS. REINSTALL DOWNSPOUTS AFTER NEW EXTERIOR WALL FINISH IS COMPLETE. STORE AS REQUIRED.
02 0100.27	REASSEMBLED CHALKBOARD. COORDINATE LOCATION WITH OWNER.
02 0100.34	RELOCATED FIRE EXTINGUISHER
06 4023.19	CASEWORK CUBBIES. REFERENCE INTERIOR ELEVATIONS AND CASEWORK SECTION FOR FINISHES.
08 4113.01	ALUMINUM-FRAMED STOREFRONT SYSTEM
08 4113.06	ALUMINUM STOREFRONT DOOR W/ REMOVABLE MULLION
09 7200.01	CORK WALL COVERING. REFER FINISH LEGEND
09 7200.02	48" X 60" CORK WALL COVERING W/ 1/2" STAINLESS STEEL "U" TRIM. REFER FINISH LEGEND
10 1101.01	60" X 120" WHITE BOARD WITH 2 FLAG HOLDERS
10 4400.01	SURFACE MOUNT FIRE EXTINGUISHER CABINET
10 4400.02	SURFACE MOUNT FIRE EXTINGUISHER CABINET. LOCATE CABINET WHERE EXISTING DRINKING FOUNTAIN WAS REMOVED.
22 4000.06	DRINKING FOUNTAIN. REFER TO PLUMBING

**LEGEND**

- EXISTING WALL TO REMAIN
- NEW WALL, REFER TO AE1010 PARTITION TYPES
- NEW DOOR, REFER TO AE211 SCHEDULES
- EXISTING TO REMAIN
- NEW CONSTRUCTION
- NO WORK
- PORTION OF WORK TO BE COMPLETED AS PART OF BASE BID. REFER TO BASE BID SHEETS

**KEY PLAN**



**FLOOR PLAN - AREA B  
BID LOT #1**  
1/8" = 1'-0"

**CONSTRUCTION DOCUMENTS**

**REVISIONS**

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DRAWN BY	NW
REVIEWED BY	OK
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

**FLOOR PLAN - AREA B - BID LOT #1**

SHEET NO  
**AE101B**

Portales Brown Early Childhood Center, Project #S20-008, PSFCC FUNDED



GENERAL SHEET NOTES

- A. REFER TO FINISH LEGEND ON AF101 FOR ADDITIONAL FINISH INFORMATION.
- B. REFER TO MECHANICAL FOR SIZE AND TYPE OF MECHANICAL DIFFUSERS, GRILLES, AND ACCESS PANELS.
- C. ALL SPRINKLER HEADS TO HAVE CHROME FINISH AND ARE TO BE CENTERED IN CEILING TILE OR SOFFIT, UNO.
- D. ALL SUPPLY DIFFUSERS, RETURN GRILLES, AND ACCESS PANELS IN CEILINGS ARE TO BE FACTORY FINISHED COORDINATE WITH SPEC.
- E. ALL SOFFITS TO ALIGN WITH FACE OF ADJACENT WALL, UNO.
- F. ALL SOFFITS TO RECEIVE P-1 PAINT, UNO. REF AF101 FOR MORE INFORMATION.
- G. DIMENSIONS ARE TO FINISHED FACE OR GRID LINE, UNO.
- H. GYP BOARD ON VERTICAL FACE IN ALL OPEN TO STRUCTURE SPACES (OTS) TO RUN TO BOTTOM OF ROOF DECK.
- I. REFER TO E5AE521 FOR SEISMIC BRACING DIAGRAM
- J. SPRINKLER HEADS AT SOFFITS OVER CASEWORK TO BE RECESSED. ALL OTHER SPRINKLER HEADS TO BE PENDANT.

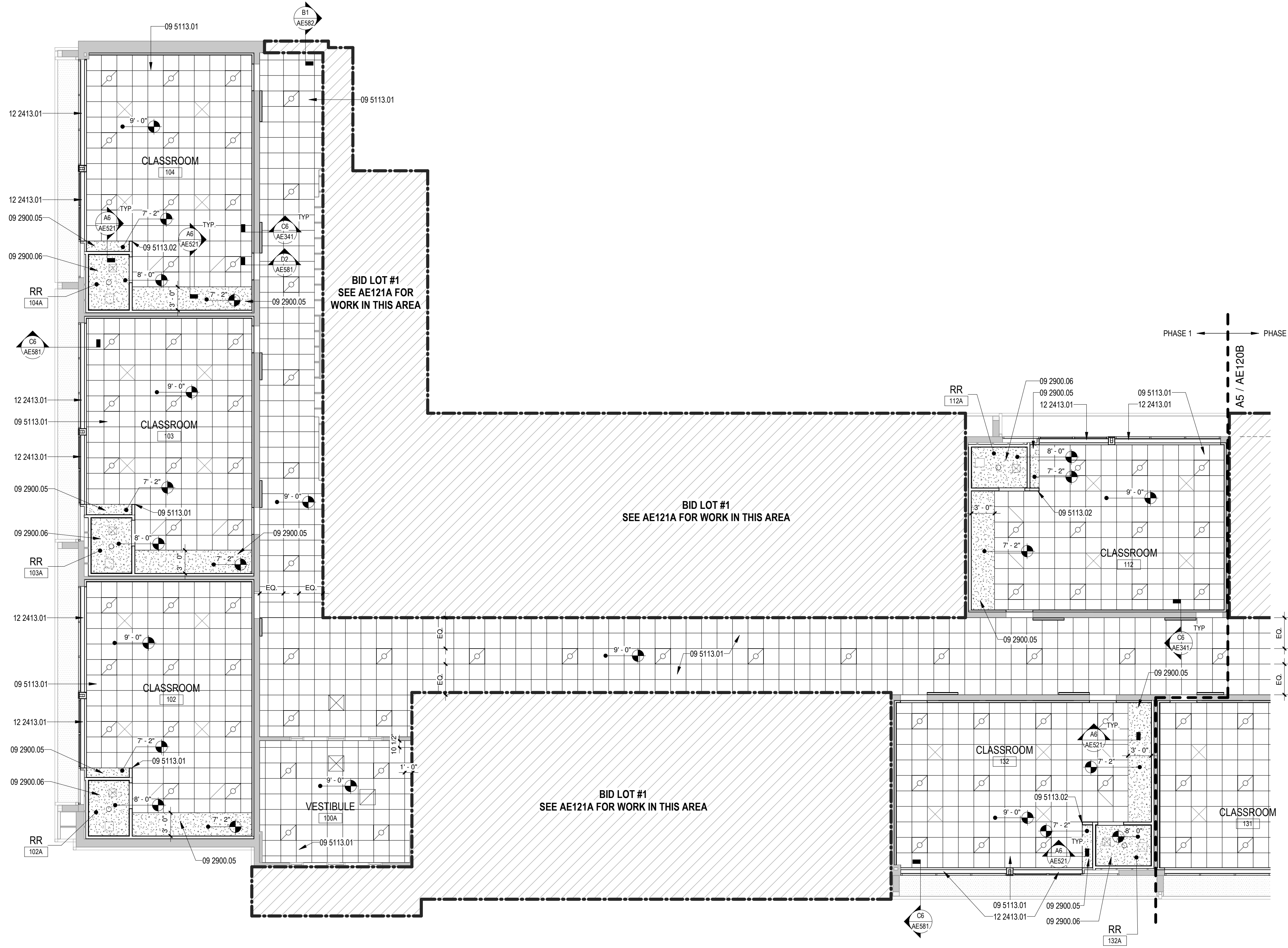
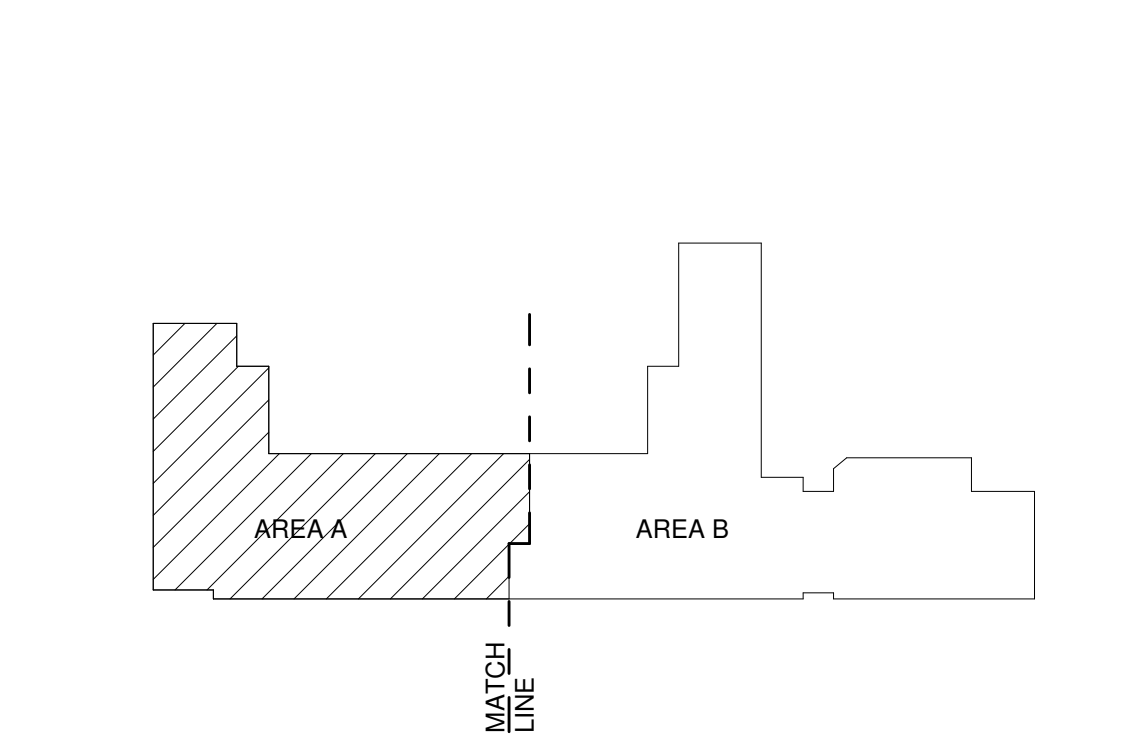
REFERENCE KEYNOTES

09 2900.05	GYPSUM BOARD SOFFIT, REF CEILING PLANS FOR LOCATIONS
09 2900.06	GYPSUM BOARD CEILING
09 5113.01	ACOUSTICAL CEILING SYSTEM
09 5113.02	ALIGN CEILING GRID TO CORNER OF NEW WALL
12 2413.01	RECESSED MANUAL ROLLER WINDOW SHADE, FULL WIDTH, V.I.F.

LEGEND

- GYPSUM BOARD CEILING SYSTEM, PAINTED P-1, UNO
- 2 X 2 ACOUSTICAL LAY-IN CEILING SYSTEM, APC-1, UNO
- MECHANICAL AIR SUPPLY AND RETURN, REF. MECH
- 10'-0" ELEVATION ABOVE FINISHED FLOOR
- OPEN TO STRUCTURE
- SURFACE MOUNT LED LIGHT FIXTURE, REF. ELEC
- RECESSED LED LIGHT FIXTURE, REF. ELEC
- RECESSED CAN LED LIGHT FIXTURE, REF. ELEC
- SPECIALTY FINISH, REFER TO FINISH LEGEND
- EXTERIOR LIGHT FIXTURE, REF. ELEC
- NO WORK
- PORTION OF WORK TO BE COMPLETED AS PART OF BID LOT #1. REFER TO BID LOT SHEETS

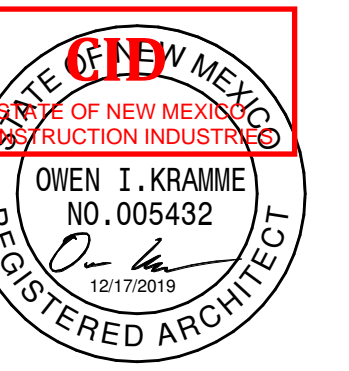
KEY PLAN



A5 REFLECTED CEILING PLAN - AREA A  
1/8" = 1'-0"







SEAL

PROJECT



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

CONSTRUCTION DOCUMENTS

REVISIONS

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DRAWN BY	NW
REVIEWED BY	OK
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

REFLECTED CEILING PLAN - AREA B

SHEET NO

AE120B

GENERAL SHEET NOTES

- A. REFER TO FINISH LEGEND FOR SIZE AND TYPE OF MECHANICAL DIFFUSERS, GRILLES, AND ACCESS PANELS.
- B. REFER TO MECHANICAL FOR SIZE AND TYPE OF MECHANICAL DIFFUSERS, GRILLES, AND ACCESS PANELS.
- C. ALL SPRINKLER HEADS TO HAVE CHROME FINISH AND ARE TO BE CENTERED IN CEILING TILE OR SOFFIT, UNO.
- D. ALL SUPPLY DIFFUSERS, RETURN GRILLES, AND ACCESS PANELS IN CEILINGS ARE TO BE FACTORY FINISHED COORDINATE WITH SPEC.
- E. ALL SOFFITS TO ALIGN WITH FACE OF ADJACENT WALL, UNO.
- F. ALL SOFFITS TO RECEIVE P-1 PAINT, UNO. REF AF101 FOR MORE INFORMATION.
- G. DIMENSIONS ARE TO FINISHED FACE OR GRID LINE, UNO.
- H. GYP BOARD ON VERTICAL FACE IN ALL OPEN TO STRUCTURE SPACES (OTS) TO RUN TO BOTTOM OF ROOF DECK.
- I. REFER TO E5AE521 FOR SEISMIC BRACING DIAGRAM
- J. SPRINKLER HEADS AT SOFFITS OVER CASEWORK TO BE RECESSED. ALL OTHER SPRINKLER HEADS TO BE PENDANT.

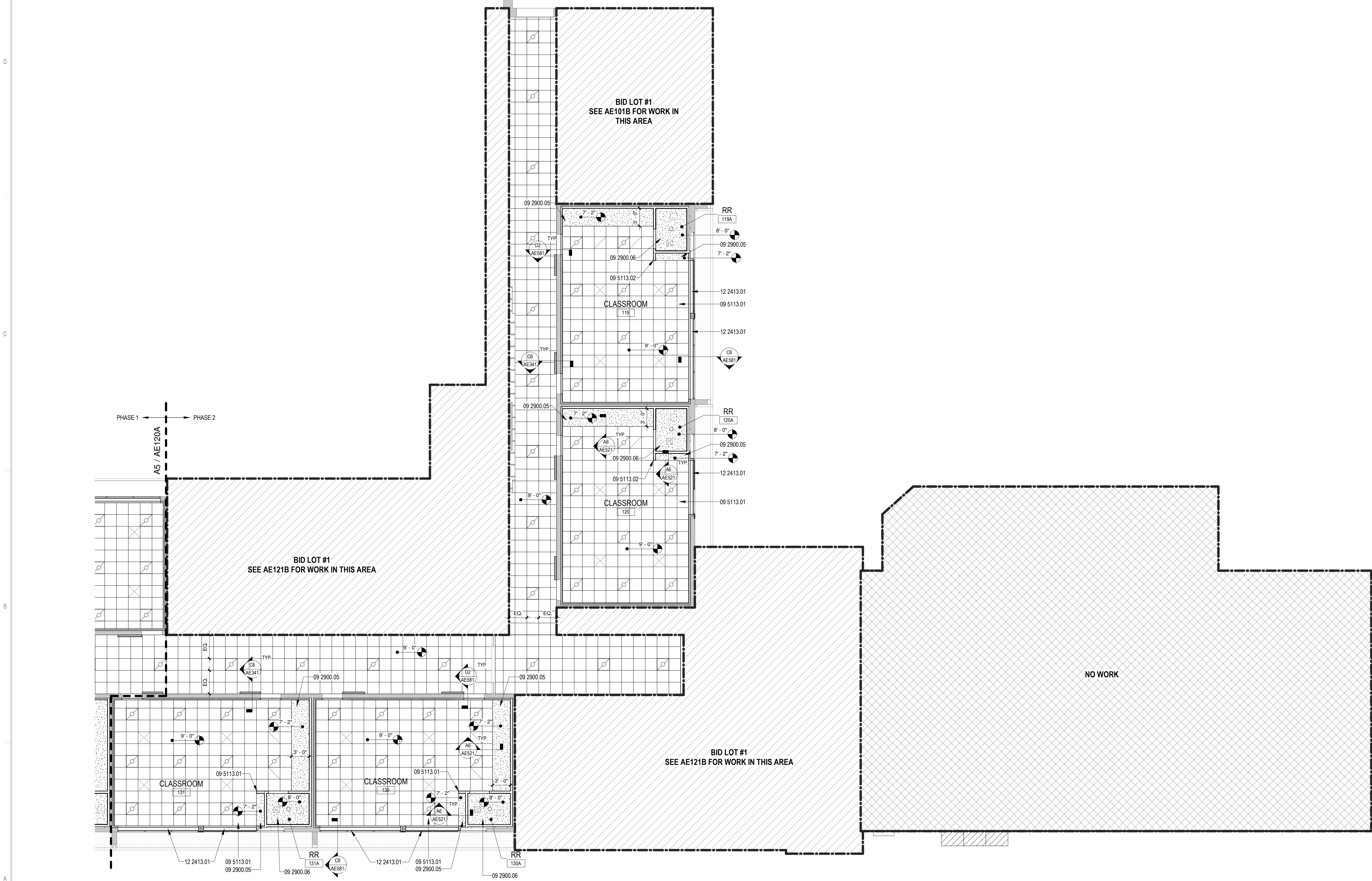
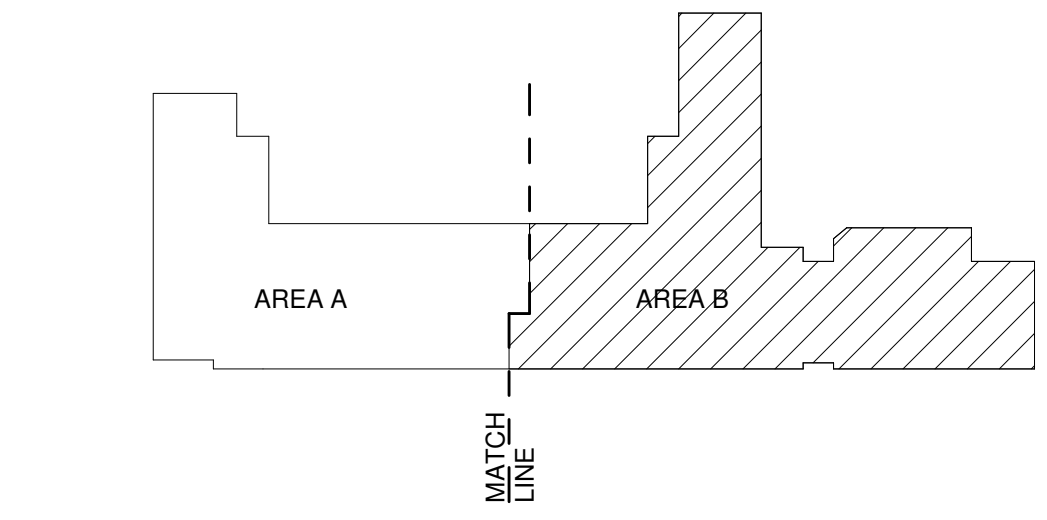
REFERENCE KEYNOTES

09 2900.05	GYPSUM BOARD SOFFIT, REF CEILING PLANS FOR LOCATIONS
09 2900.06	GYPSUM BOARD CEILING
09 5113.01	ACOUSTICAL CEILING SYSTEM
09 5113.02	ALIGN CEILING GRID TO CORNER OF NEW WALL
12 2413.01	RECESSED MANUAL ROLLER WINDOW SHADE, FULL WIDTH, V.I.F.

LEGEND

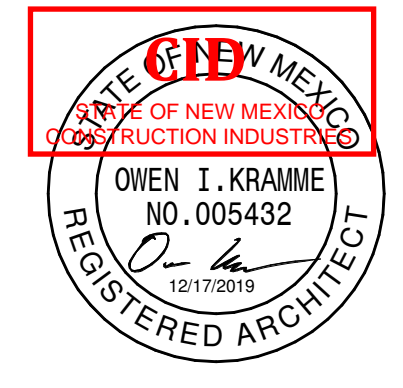
- GYPSUM BOARD CEILING SYSTEM, PAINTED P-1, UNO
- 2 X 2 ACOUSTICAL LAY-IN CEILING SYSTEM, APC-1, UNO
- MECHANICAL AIR SUPPLY AND RETURN, REF. MECH
- ELEVATION ABOVE FINISHED FLOOR
- OPEN TO STRUCTURE
- SURFACE MOUNT LED LIGHT FIXTURE, REF. ELEC
- RECESSED LED LIGHT FIXTURE, REF. ELEC
- RECESSED CAN LED LIGHT FIXTURE, REF. ELEC
- SPECIALTY FINISH, REFER TO FINISH LEGEND
- EXTERIOR LIGHT FIXTURE, REF. ELEC
- NO WORK
- PORTION OF WORK TO BE COMPLETED AS PART OF BID LOT #1. REFER TO BID LOT SHEETS

KEY PLAN



**A5** REFLECTED CEILING PLAN - AREA B  
1/8" = 1'-0"





SEAL

PROJECT



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

CONSTRUCTION DOCUMENTS

REVISIONS

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DRAWN BY	NW
REVIEWED BY	OK
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

REFLECTED CEILING PLAN - AREA A - BID LOT #1

SHEET NO  
**AE121A**

GENERAL SHEET NOTES

- A. REFER TO FINISH LEGEND ON AF101 FOR ADDITIONAL FINISH INFORMATION.
- B. REFER TO MECHANICAL FOR SIZE AND TYPE OF MECHANICAL DIFFUSERS, GRILLES, AND ACCESS PANELS.
- C. ALL SPRINKLER HEADS TO HAVE CHROME FINISH AND ARE TO BE CENTERED IN CEILING TILE OR SOFFIT, UNO.
- D. ALL SUPPLY DIFFUSERS, RETURN GRILLES, AND ACCESS PANELS IN CEILINGS ARE TO BE FACTORY FINISHED COORDINATE WITH SPEC.
- E. ALL SOFFITS TO ALIGN WITH FACE OF ADJACENT WALL, UNO.
- F. ALL SOFFITS TO RECEIVE P-1 PAINT, UNO. REF AF101 FOR MORE INFORMATION.
- G. DIMENSIONS ARE TO FINISHED FACE OR GRID LINE, UNO.
- H. GYP BOARD ON VERTICAL FACE IN ALL OPEN TO STRUCTURE SPACES (OTS) TO RUN TO BOTTOM OF ROOF DECK.
- I. REFER TO E5AE521 FOR SEISMIC BRACING DIAGRAM
- J. SPRINKLER HEADS AT SOFFITS OVER CASEWORK TO BE RECESSED. ALL OTHER SPRINKLER HEADS TO BE PENDANT.

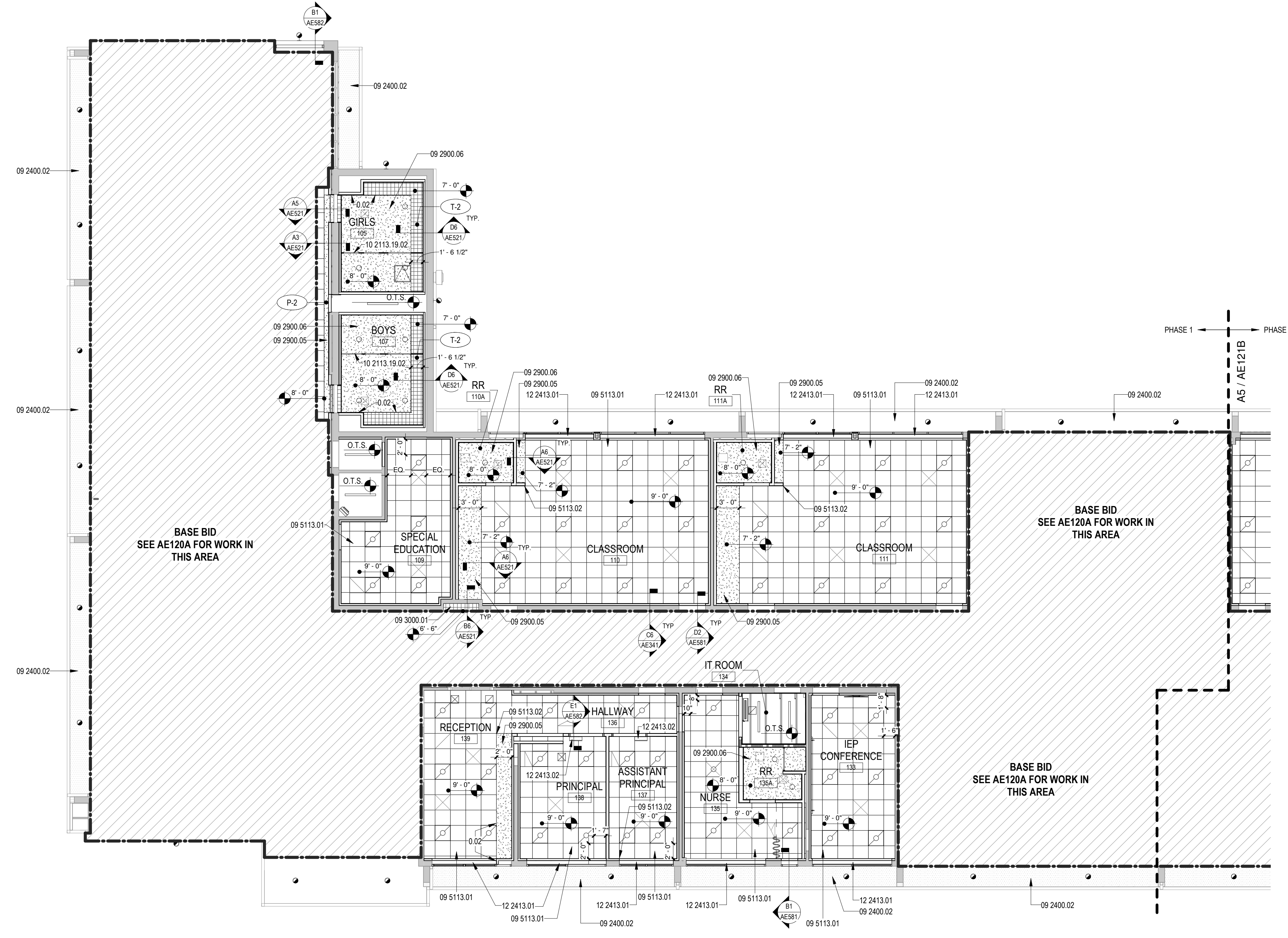
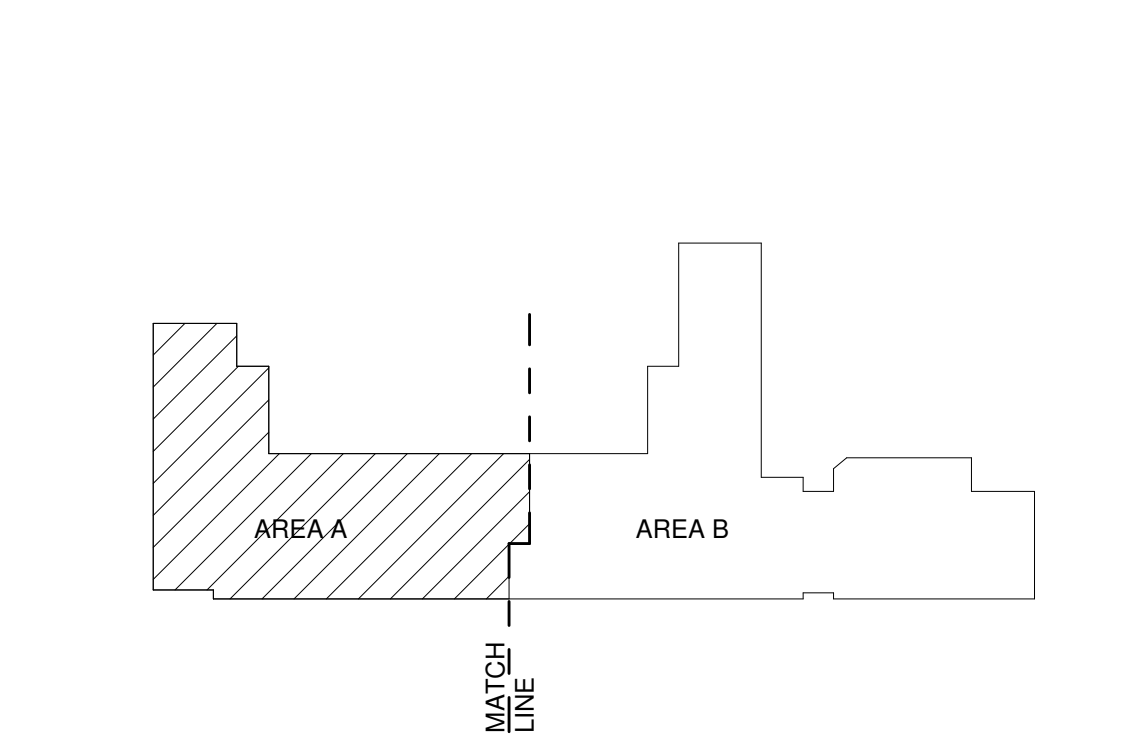
REFERENCE KEYNOTES

0.02	ALIGN
09 2400.02	NEW PORTLAND CEMENT PLASTER FINISH (STUCCO) - COLOR 02
09 2900.05	GYPSUM BOARD SOFFIT, REF CEILING PLANS FOR LOCATIONS
09 2900.06	GYPSUM BOARD CEILING
09 3000.01	TILE
09 5113.01	ACOUSTICAL CEILING SYSTEM
09 5113.02	ALIGN CEILING GRID TO CORNER OF NEW WALL
10 2113.19.02	TOILET COMPARTMENT ALUMINUM HEAD RAIL
12 2413.01	RECESSED MANUAL ROLLER WINDOW SHADE, FULL WIDTH, V.I.F.
12 2413.02	SURFACE MANUAL ROLLER WINDOW SHADE, FULL WIDTH, V.I.F.

LEGEND

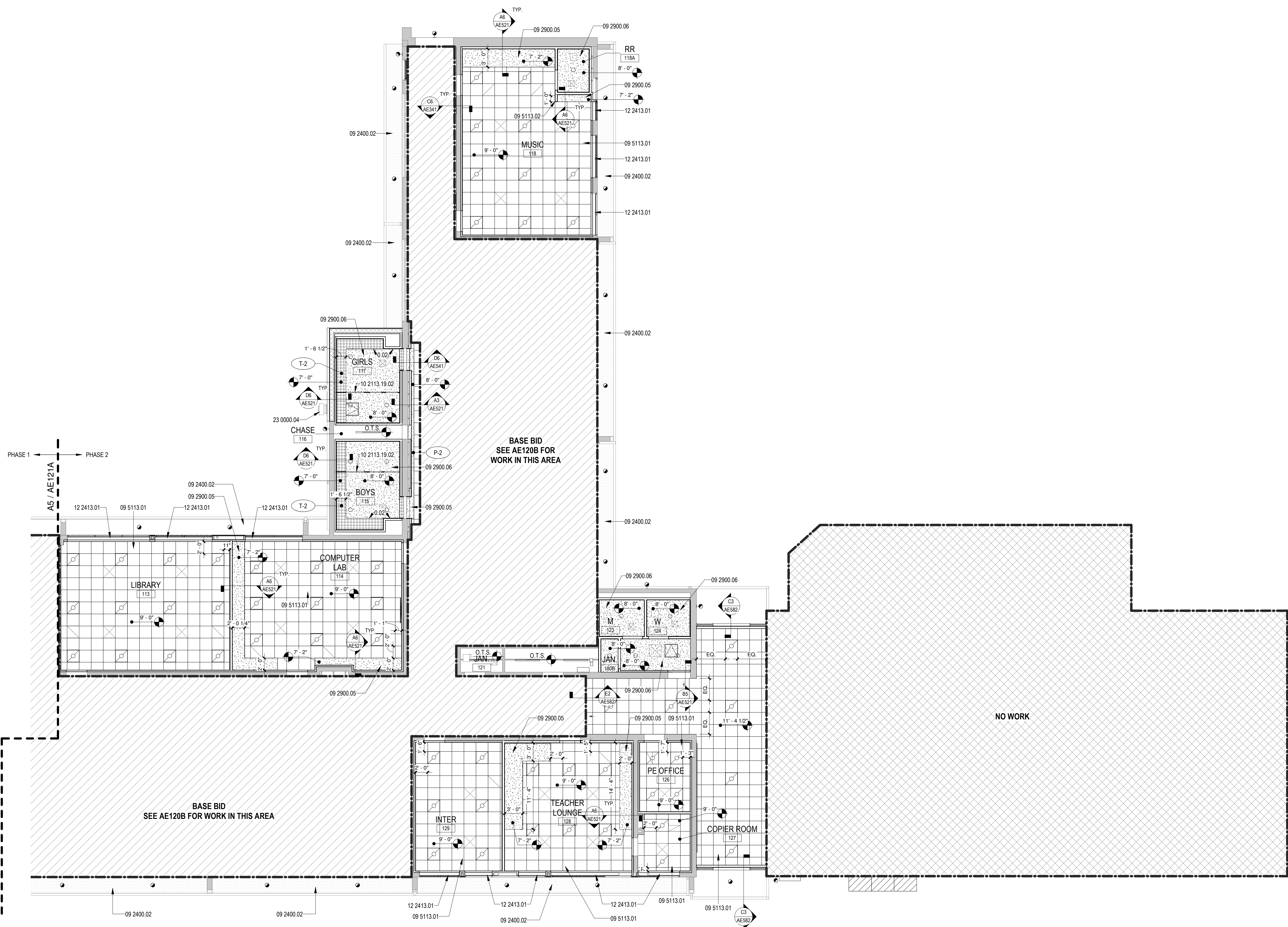
- GYPSUM BOARD CEILING SYSTEM, PAINTED P-1, UNO
- 2 X 2 ACOUSTICAL LAY-IN CEILING SYSTEM, APC-1, UNO
- MECHANICAL AIR SUPPLY AND RETURN, REF. MECH
- 10'-0" ELEVATION ABOVE FINISHED FLOOR
- O.T.S. OPEN TO STRUCTURE
- SURFACE MOUNT LED LIGHT FIXTURE, REF. ELEC
- RECESSED LED LIGHT FIXTURE, REF. ELEC
- RECESSED CAN LED LIGHT FIXTURE, REF. ELEC
- X-X SPECIALTY FINISH; REFER TO FINISH LEGEND
- EXTERIOR LIGHT FIXTURE, REF. ELEC
- NO WORK
- PORTION OF WORK TO BE COMPLETED AS PART OF BASE BID. REFER TO BASE BID SHEETS

KEY PLAN



**A5** REFLECTED CEILING PLAN - AREA A  
1/8" = 1'-0"





**GENERAL SHEET NOTES**

- A. REFER TO FINISH LEGEND ON AF101 FOR ADDITIONAL FINISH INFORMATION.
- B. REFER TO MECHANICAL FOR SIZE AND TYPE OF MECHANICAL DIFFUSERS, GRILLES, AND ACCESS PANELS.
- C. ALL SPRINKLER HEADS TO HAVE CHROME FINISH AND ARE TO BE CENTERED IN CEILING TILE OR SOFFIT, UNO.
- D. ALL SUPPLY DIFFUSERS, RETURN GRILLES, AND ACCESS PANELS IN CEILINGS ARE TO BE FACTORY FINISHED COORDINATE WITH SPEC.
- E. ALL SOFFITS TO ALIGN WITH FACE OF ADJACENT WALL, UNO.
- F. ALL SOFFITS TO RECEIVE P-1 PAINT, UNO. REF AF101 FOR MORE INFORMATION.
- G. DIMENSIONS ARE TO FINISHED FACE OR GRID LINE, UNO.
- H. GYP BOARD ON VERTICAL FACE IN ALL OPEN TO STRUCTURE SPACES (OTS) TO RUN TO BOTTOM OF ROOF DECK.
- I. REFER TO ESAE521 FOR SEISMIC BRACING DIAGRAM
- J. SPRINKLER HEADS AT SOFFITS OVER CASEWORK TO BE RECESSED. ALL OTHER SPRINKLER HEADS TO BE PENDANT.

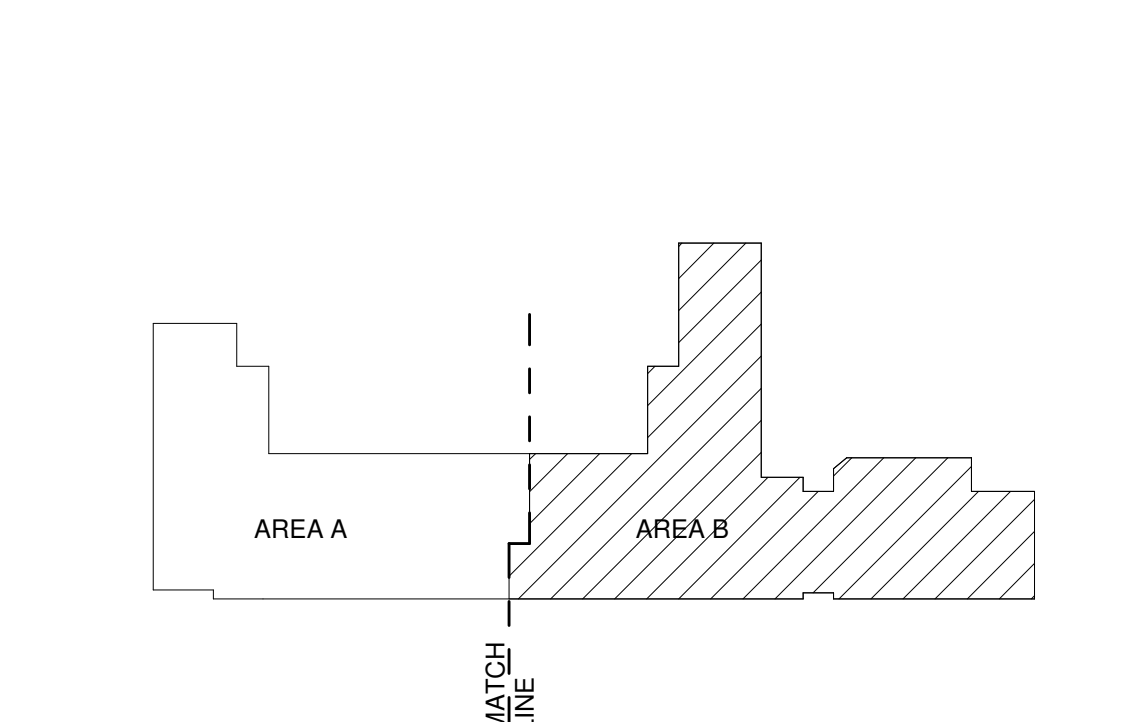
**REFERENCE KEYNOTES**

0.02	ALIGN
09 2400.02	NEW PORTLAND CEMENT PLASTER FINISH (STUCCO) - COLOR 02
09 2900.05	GYPSUM BOARD SOFFIT, REF CEILING PLANS FOR LOCATIONS
09 2900.06	GYPSUM BOARD CEILING
09 5113.01	ACOUSTICAL CEILING SYSTEM
09 5113.02	ALIGN CEILING GRID TO CORNER OF NEW WALL
10 2113.19.02	TOILET COMPARTMENT ALUMINUM HEAD RAIL
12 2413.01	RECESSED MANUAL ROLLER WINDOW SHADE, FULL WIDTH, V.I.F.
23 0000.04	EXHAUST FAN RE: MECHANICAL

**LEGEND**

- GYPSUM BOARD CEILING SYSTEM, PAINTED P-1, UNO
- 2 X 2 ACOUSTICAL LAY-IN CEILING SYSTEM, APC-1, UNO
- MECHANICAL AIR SUPPLY AND RETURN, REF. MECH
- 10'-0" ELEVATION ABOVE FINISHED FLOOR
- O.T.S. OPEN TO STRUCTURE
- SURFACE MOUNT LED LIGHT FIXTURE, REF. ELEC
- RECESSED LED LIGHT FIXTURE, REF. ELEC
- RECESSED CAN LIGHT FIXTURE, REF. ELEC
- X-X SPECIALTY FINISH: REFER TO FINISH LEGEND
- EXTERIOR LIGHT FIXTURE, REF. ELEC
- NO WORK
- PORTION OF WORK TO BE COMPLETED AS PART OF BASE BID. REFER TO BASE BID SHEETS

**KEY PLAN**



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

- REVISIONS
- △
  - △
  - △
  - △
  - △
  - △

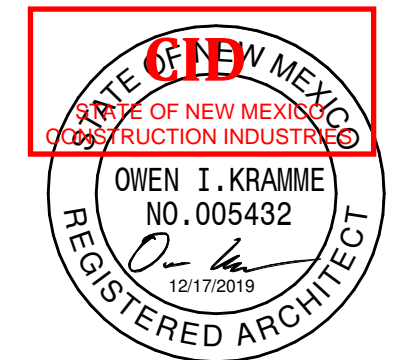
DRAWN BY: NW  
REVIEWED BY: OK  
DATE: 12/10/2019  
PROJECT NO: 18-0032  
PSFA PRE-K PROJECT NO: K-18-011  
PSFA SYSTEMS PROJECT NO: S-20-008  
DRAWING NAME:

**REFLECTED CEILING PLAN - AREA B - BID LOT #1**

SHEET NO: **AE121B**

**REFLECTED CEILING PLAN - AREA B**  
**BID LOT #1**  
1/8" = 1'-0"





SEAL

PROJECT



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

CONSTRUCTION DOCUMENTS

REVISIONS

- △
- △
- △
- △
- △
- △

Table with columns: DRAWN BY (NW), REVIEWED BY (OK), DATE (12/10/2019), PROJECT NO (18-0032), PSFA PRE-K PROJECT NO (K-18-011), PSFA SYSTEMS PROJECT NO (S-20-008), DRAWING NAME (ROOF PLAN - AREA A)

ROOF PLAN - AREA A

SHEET NO  
**AE140A**

GENERAL SHEET NOTES

- A. FOR PLUMBING VENT PIPE PENETRATION DETAIL, RE: A3/AE541
- B. FOR PLUMBING EXHAUST FAN PENETRATION DETAIL, RE: A2/AE541
- C. FOR EQUIPMENT CURB DETAIL, RE: A6/AE541
- D. ROOF WARRANTY TO BE MAINTAINED
- E. DIMENSIONS ARE TO FINISHED FACE OR GRID LINE, U.N.O.
- F. REFERENCE A541 FOR ROOF DETAILS
- G. CRICKET PANEL SLOPE TO MATCH ROOF SLOPE
- H. PROVIDE NEW TPO ROOF PATCH AT ALL EQUIPMENT STANDS & PIPE STANDS. COORDINATE WITH EXISTING ROOFING WARRANTY WHERE APPLICABLE
- I. REFER TO A4/AE541 FOR PIPE STANDS DETAIL
- J. MISCELLANEOUS MECHANICAL AND ELECTRICAL ROOF PENETRATIONS DO EXIST BUT ARE NOT IDENTIFIED ON THIS PLAN. REFER TO MECHANICAL AND ELECTRICAL
- K. GAS AND CONDENSATE LINES NOT SHOWN ON THIS PLAN FOR CLARITY. REFER TO PLUMBING

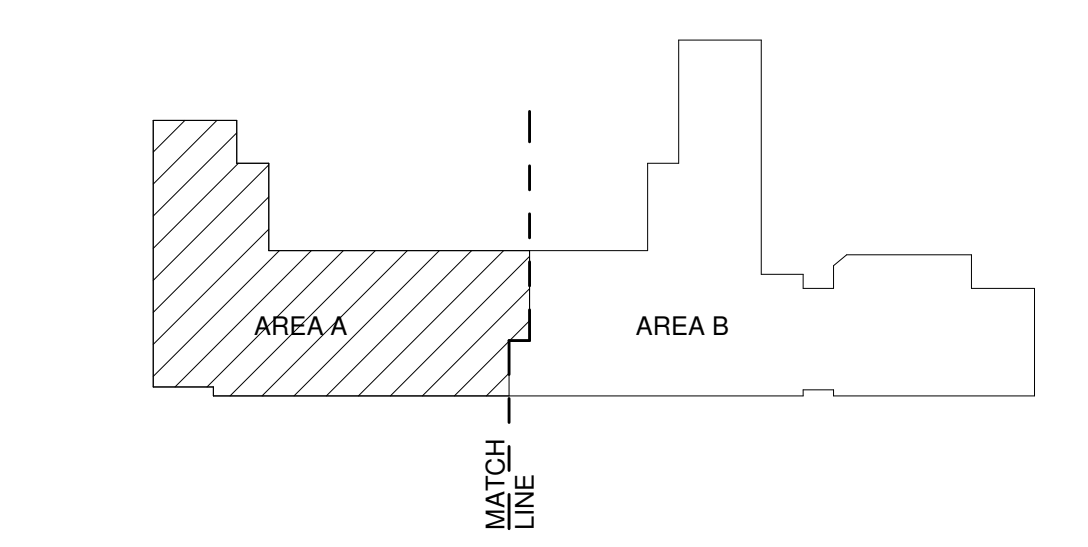
REFERENCE KEYNOTES

Table with 2 columns: Keynote ID and Description. Includes notes for wall below, roof cricket, roof slope, patch and repair, gas line penetration, and exhaust vent.

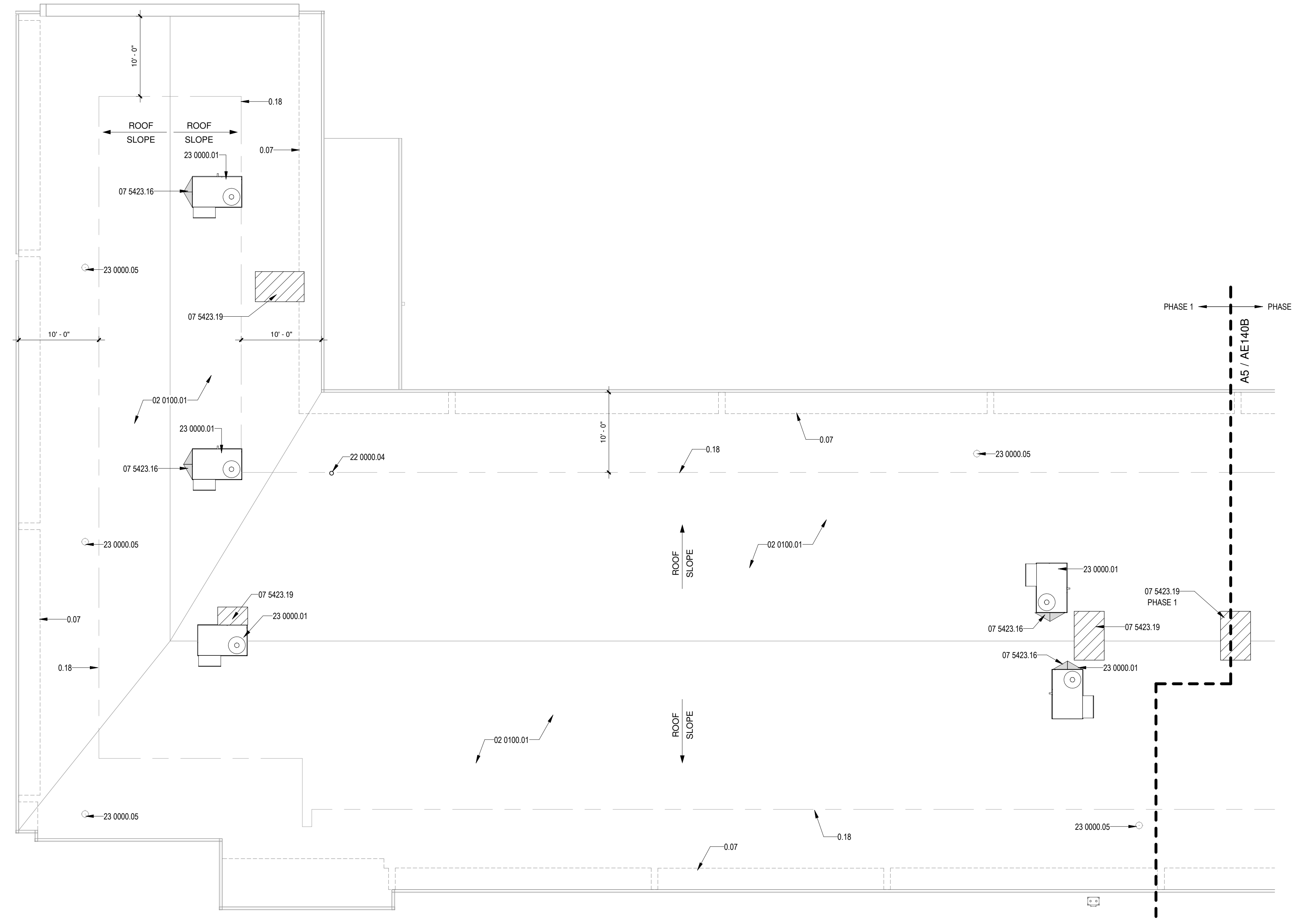
LEGEND

- Roof Cricket symbol
- Top of Wall Elevation symbol
- No Work symbol
- New Roof System to Match Adjacent - Base Bid symbol
- New Roof System to Match Adjacent - Bid Lot #1 symbol

KEY PLAN



**A5 ROOF PLAN - AREA A**  
1/8" = 1'-0"



E  
D  
C  
B  
A

2/18/2020 3:46:01 PM





SEAL

PROJECT



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

CONSTRUCTION DOCUMENTS

REVISIONS

- △
- △
- △
- △
- △
- △

DRAWN BY	NW
REVIEWED BY	OK
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

ROOF PLAN - AREA B

SHEET NO  
**AE140B**

GENERAL SHEET NOTES

- A. FOR PLUMBING VENT PIPE PENETRATION DETAIL, RE: A3/AE541
- B. FOR PLUMBING EXHAUST FAN PENETRATION DETAIL, RE: A2/AE541
- C. FOR EQUIPMENT CURB DETAIL, RE: A6/AE541
- D. ROOF WARRANTY TO BE MAINTAINED
- E. DIMENSIONS ARE TO FINISHED FACE OR GRID LINE, U.N.O.
- F. REFERENCES A/E541 FOR ROOF DETAILS
- G. CRICKET PANEL SLOPE TO MATCH ROOF SLOPE
- H. PROVIDE NEW TPO ROOF PATCH AT ALL EQUIPMENT STANDS & PIPE STANDS. COORDINATE WITH EXISTING ROOFING WARRANTY WHERE APPLICABLE
- I. REFER TO A4/AE541 FOR PIPE STANDS DETAIL
- J. MISCELLANEOUS MECHANICAL AND ELECTRICAL ROOF PENETRATIONS DO EXIST BUT ARE NOT IDENTIFIED ON THIS PLAN. REFER TO MECHANICAL AND ELECTRICAL
- K. GAS AND CONDENSATE LINES NOT SHOWN ON THIS PLAN FOR CLARITY. REFER TO PLUMBING

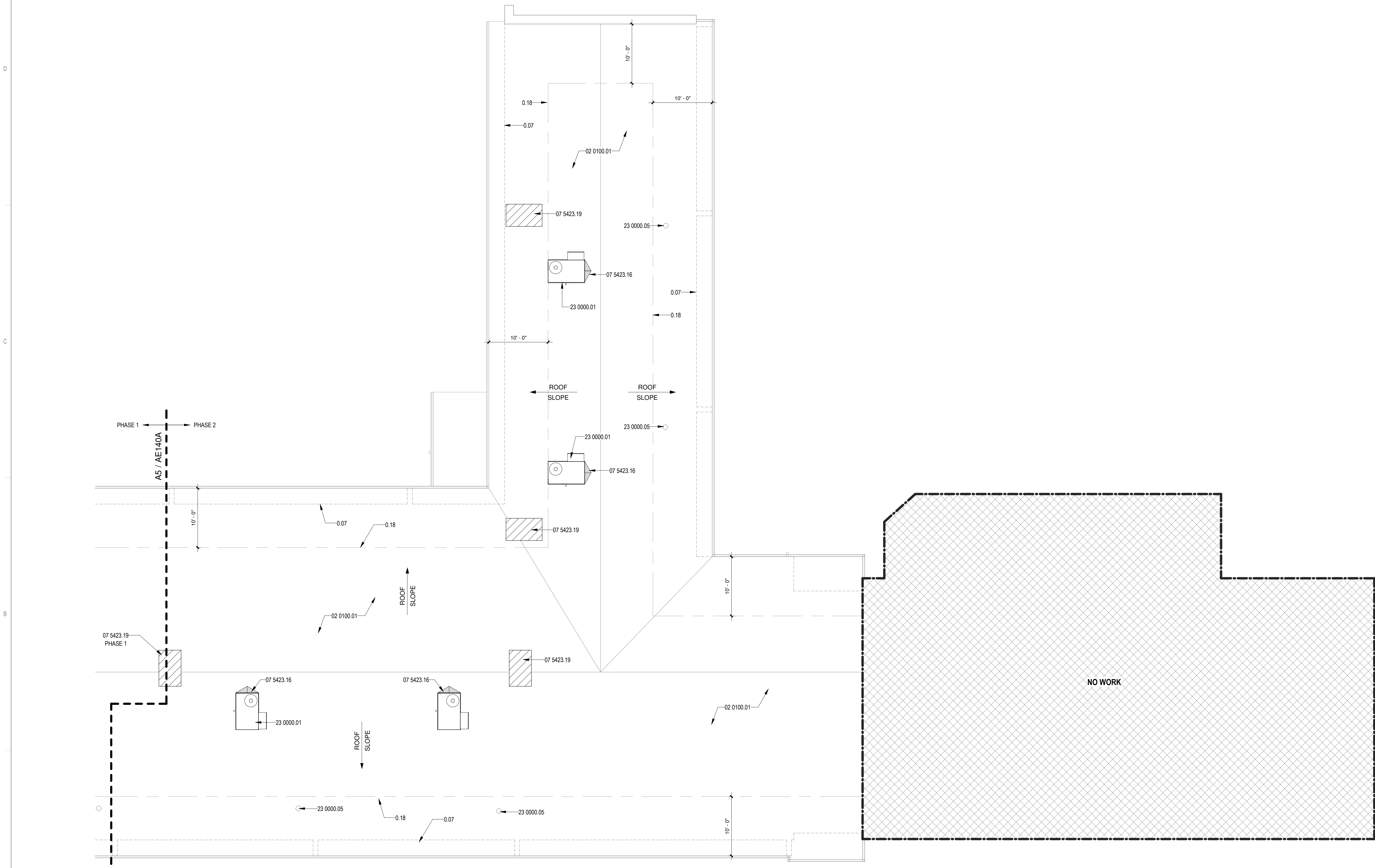
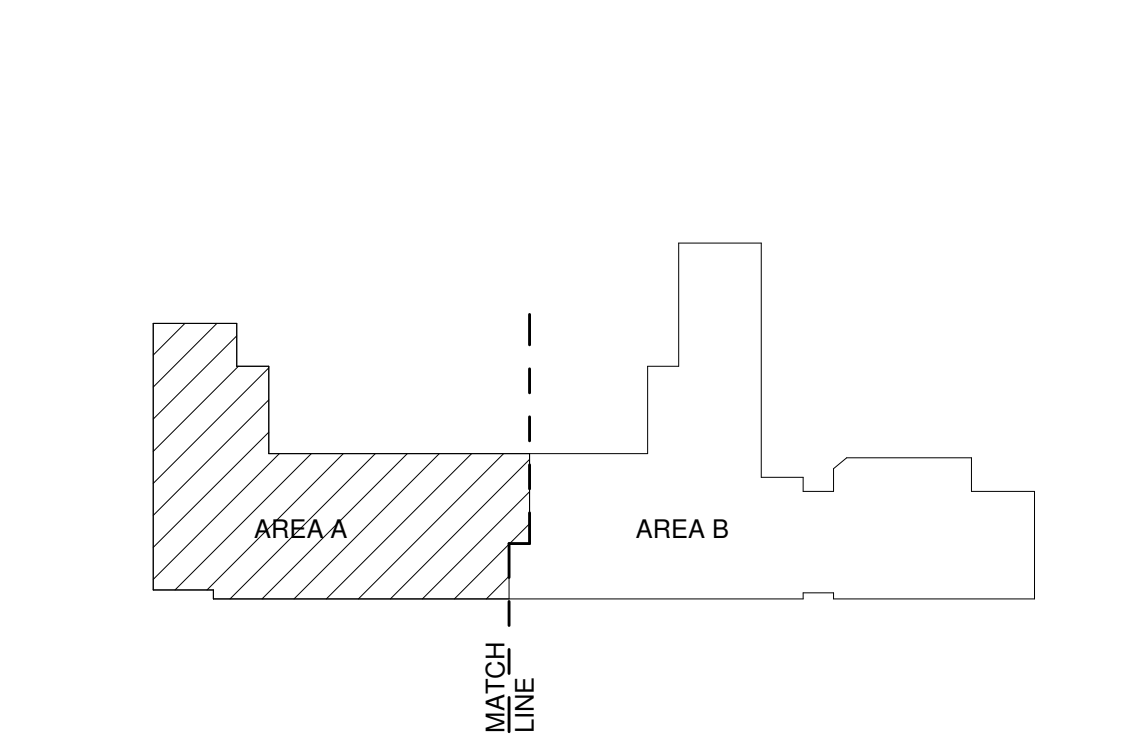
REFERENCE KEYNOTES

0.07	WALL BELOW
0.18	10'-0" MIN. SETBACK
02 0100.01	EXISTING THERMOPLASTIC-POLYOLEFIN ROOFING TO REMAIN
07 5423.16	ROOF CRICKET
07 5423.19	PATCH AND REPAIR THERMOPLASTIC-POLYOLEFIN ROOFING, MATCH EXISTING SYSTEM. MAINTAIN WARRANTY
23 0000.01	EQUIPMENT RE: MECHANICAL
23 0000.05	EXHAUST VENT RE: MECHANICAL

LEGEND

- ROOF CRICKET
- TOP OF WALL ELEVATION
- NO WORK
- NEW ROOF SYSTEM TO MATCH ADJACENT - BASE BID
- NEW ROOF SYSTEM TO MATCH ADJACENT - BID LOT #1

KEY PLAN



**A5** ROOF PLAN - AREA B  
1/8" = 1'-0"



GENERAL SHEET NOTES

- A. FOR PLUMBING VENT PIPE PENETRATION DETAIL, RE: A3/AE541
- B. FOR PLUMBING EXHAUST FAN PENETRATION DETAIL, RE: A2/AE541
- C. FOR EQUIPMENT CURB DETAIL, RE: A6/AE541
- D. ROOF WARRANTY TO BE MAINTAINED
- E. DIMENSIONS ARE TO FINISHED FACE OR GRID LINE, U.N.O.
- F. REFERENCES A541 FOR ROOF DETAILS
- G. CRICKET PANEL SLOPE TO MATCH ROOF SLOPE
- H. PROVIDE NEW TPO ROOF PATCH AT ALL EQUIPMENT STANDS & PIPE STANDS. COORDINATE WITH EXISTING ROOFING WARRANTY WHERE APPLICABLE
- I. REFER TO A4/AE541 FOR PIPE STANDS DETAIL
- J. MISCELLANEOUS MECHANICAL AND ELECTRICAL ROOF PENETRATIONS DO EXIST BUT ARE NOT IDENTIFIED ON THIS PLAN. REFER TO MECHANICAL AND ELECTRICAL
- K. GAS AND CONDENSATE LINES NOT SHOWN ON THIS PLAN FOR CLARITY. REFER TO PLUMBING

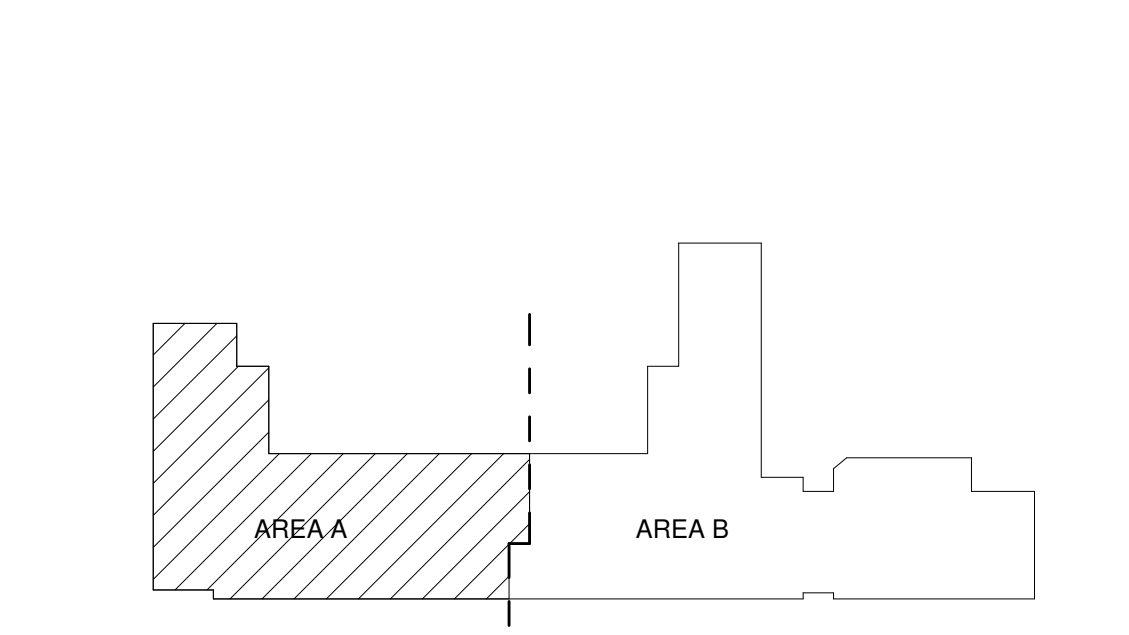
REFERENCE KEYNOTES

0.07	WALL BELOW
0.15	MECH EQUIPMENT PART OF BASE BID, SHOWN FOR REFERENCE ONLY
0.18	10'-0" MIN. SETBACK
02 0100.01	EXISTING THERMOPLASTIC-POLYOLEFIN ROOFING TO REMAIN
07 5423.16	ROOF CRICKET
07 5423.19	PATCH AND REPAIR THERMOPLASTIC-POLYOLEFIN ROOFING, MATCH EXISTING SYSTEM. MAINTAIN WARRANTY
23 0000.01	EQUIPMENT RE: MECHANICAL
23 0000.04	EXHAUST FAN RE: MECHANICAL
23 0000.05	EXHAUST VENT RE: MECHANICAL
23 0000.06	CONDENSING UNIT RE: MECHANICAL

LEGEND

- ROOF CRICKET
- TOP OF WALL ELEVATION
- NO WORK
- NEW ROOF SYSTEM TO MATCH ADJACENT - BASE BID
- NEW ROOF SYSTEM TO MATCH ADJACENT - BID LOT #1

KEY PLAN



CONSTRUCTION DOCUMENTS

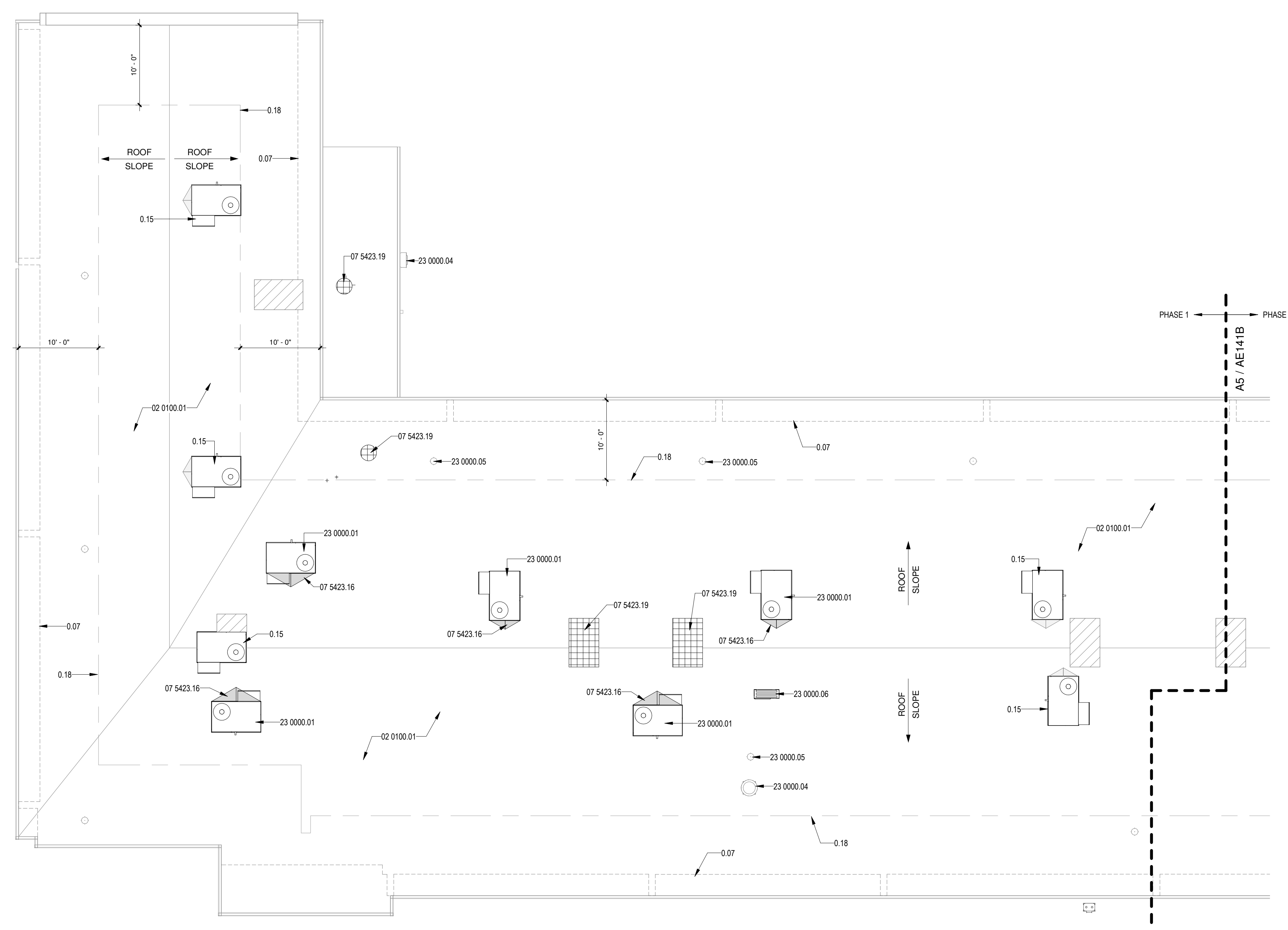
REVISIONS

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DRAWN BY	NW
REVIEWED BY	OK
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

ROOF PLAN - AREA A  
A - BID LOT #1

SHEET NO  
AE141A



ROOF PLAN - AREA A  
A5 BID LOT #1  
1/8" = 1'-0"



GENERAL SHEET NOTES

- A. FOR PLUMBING VENT PIPE PENETRATION DETAIL, RE: A3/AE541
- B. FOR PLUMBING EXHAUST FAN PENETRATION DETAIL, RE: A2/AE541
- C. FOR EQUIPMENT CURB DETAIL, RE: A6/AE541
- D. ROOF WARRANTY TO BE MAINTAINED
- E. DIMENSIONS ARE TO FINISHED FACE OR GRID LINE, U.N.O.
- F. REFERENCES A/E541 FOR ROOF DETAILS
- G. CRICKET PANEL SLOPE TO MATCH ROOF SLOPE
- H. PROVIDE NEW TPO ROOF PATCH AT ALL EQUIPMENT STANDS & PIPE STANDS. COORDINATE WITH EXISTING ROOFING WARRANTY WHERE APPLICABLE
- I. REFER TO A4/AE541 FOR PIPE STANDS DETAIL
- J. MISCELLANEOUS MECHANICAL AND ELECTRICAL ROOF PENETRATIONS DO EXIST BUT ARE NOT IDENTIFIED ON THIS PLAN. REFER TO MECHANICAL AND ELECTRICAL
- K. GAS AND CONDENSATE LINES NOT SHOWN ON THIS PLAN FOR CLARITY. REFER TO PLUMBING

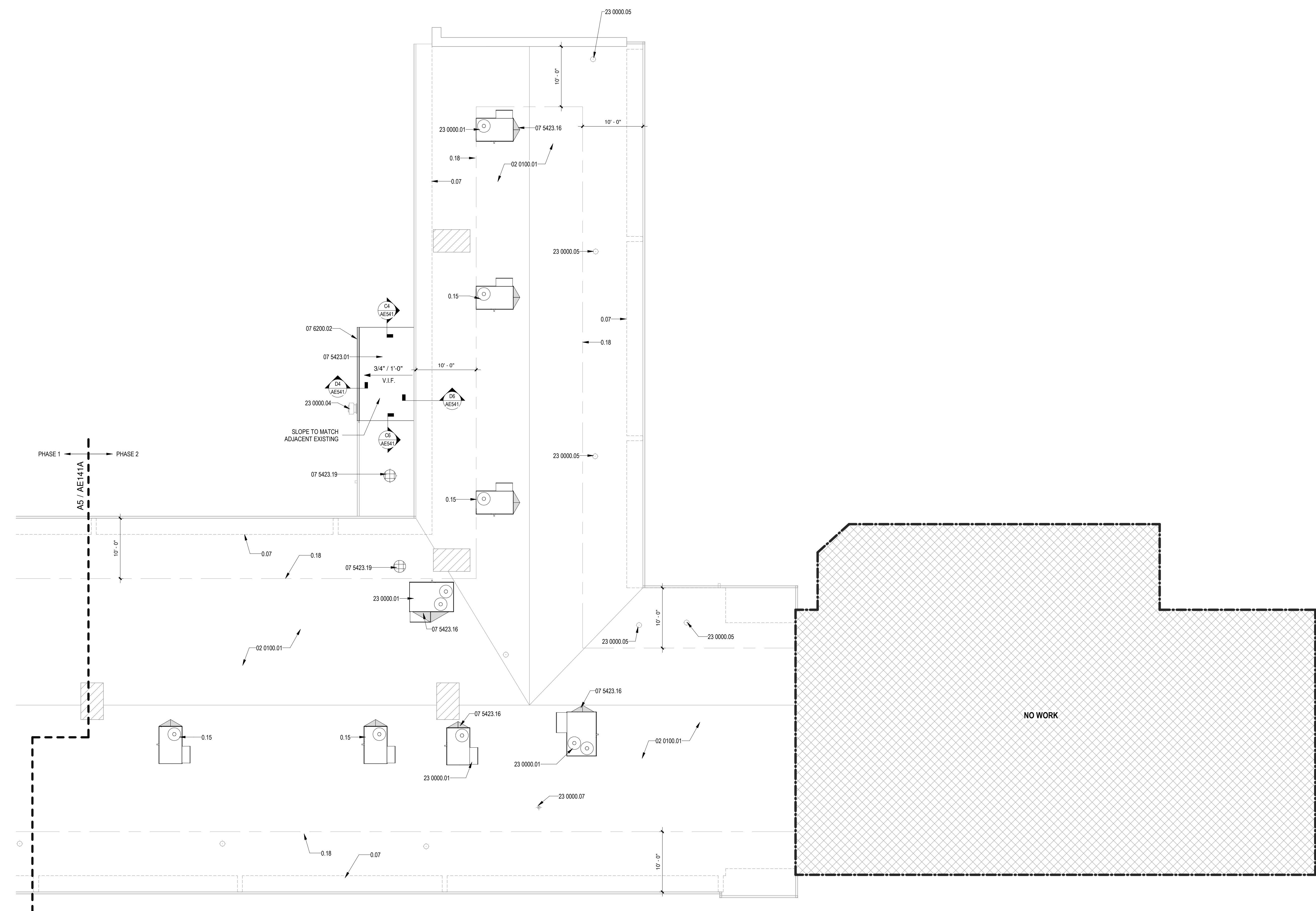
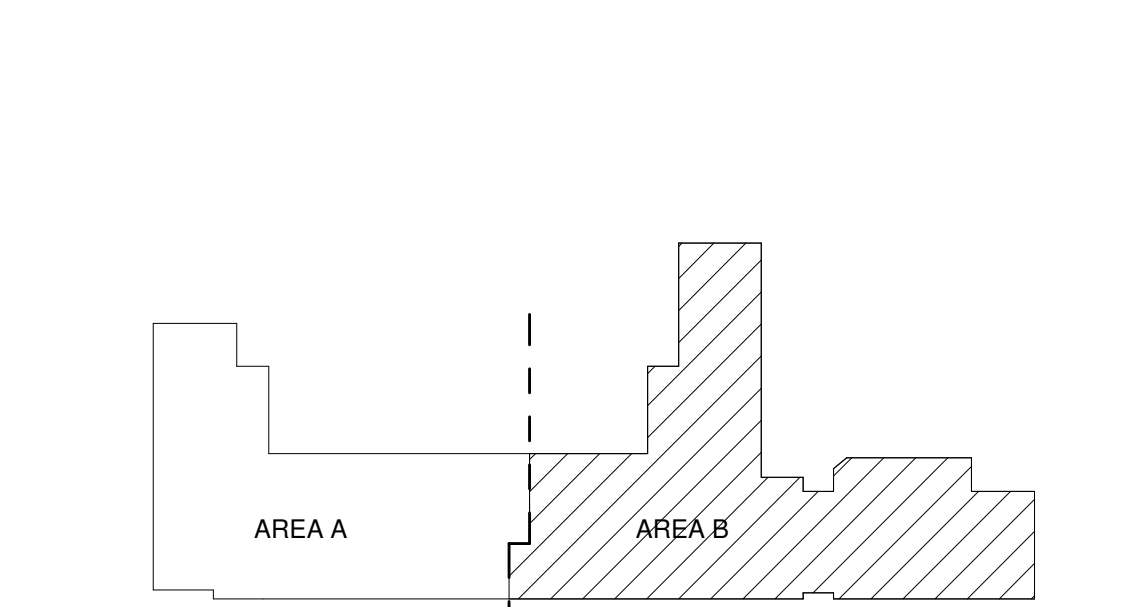
REFERENCE KEYNOTES

0.07	WALL BELOW
0.15	MECH EQUIPMENT PART OF BASE BID, SHOWN FOR REFERENCE ONLY
0.18	10'-0" MIN. SETBACK
02 0100.01	EXISTING THERMOPLASTIC-POLYOLEFIN ROOFING TO REMAIN
07 5423.01	THERMOPLASTIC-POLYOLEFIN ROOFING, MAINTAIN WARRANTY
07 5423.16	ROOF CRICKET
07 5423.19	PATCH AND REPAIR THERMOPLASTIC-POLYOLEFIN ROOFING, MATCH EXISTING SYSTEM, MAINTAIN WARRANTY
07 6200.02	NEW GUTTER, TIE GUTTER INTO EXISTING GUTTER AND DOWNSPOUT. SLOPE AS REQUIRED
23 0000.01	EQUIPMENT RE: MECHANICAL
23 0000.04	EXHAUST FAN RE: MECHANICAL
23 0000.05	EXHAUST VENT RE: MECHANICAL
23 0000.07	HOOD VENT RE: MECHANICAL

LEGEND

- ROOF CRICKET
- TOP OF WALL ELEVATION
- NO WORK
- NEW ROOF SYSTEM TO MATCH ADJACENT - BASE BID
- NEW ROOF SYSTEM TO MATCH ADJACENT - BID LOT #1

KEY PLAN



ROOF PLAN - AREA B  
BID LOT #1  
A5 1/8" = 1'-0"







GENERAL SHEET NOTES

- A. ALL DIMENSIONS ARE TO FINISHED FACE, UNO
- B. TYPICAL MOUNTING HEIGHTS ARE LOCATED ON G102
- C. PROVIDE SOLID BLOCKING FOR ALL WALL MOUNTED ITEMS INCLUDING BUT NOT LIMITED TO BOARDS, ACCESSORIES, GRAB BARS, HOOKS, PENCIL SHARPENERS AND CASEWORK
- D. FOR ADDITIONAL FINISH INFORMATION REFERENCE FINISH PLANS AND FINISH LEGEND ON AF101
- E. ALL WALLS IN RESTROOMS TO RECEIVE TILE, WALLS NOT SHOWN IN ELEVATION TO RECEIVE SIMILAR FINISH AS THAT ON ADJACENT WALLS, UNO
- F. EQUAL SEGMENTS NOTED ON CASEWORK ELEVATIONS INDICATE DRAWER AND DOOR WIDTHS, NOT CABINET DIMENSIONS
- G. WHERE APPLICABLE, CASEWORK TO BE CENTERED BETWEEN WALLS WITH SMALLEST FILLER PANEL ALLOWABLE
- H. CONTRACTOR TO COORDINATE ALL SWITCHES, THERMOSTATS, AND TECHNOLOGY DEVICES WITH LOCATIONS OF WHITE BOARDS AND CORK WALL COVERINGS
- I. ALL WALL ACCESS PANELS, WINDOWS, SWITCHES, DEVICES AND ACCESSORIES IN CERAMIC TILE MUST BE FULLY WITHIN FINISH BOUNDARIES AND MAY NOT OVERLAP ONTO ANOTHER WALL FINISH TYPE
- J. TILE INSTALLER TO PLACE GROUT JOINTS SO THAT LARGEST CUT TILES POSSIBLE ARE UTILIZED, AVOID USING TILES LESS THAN 1/2 THE WIDTH OF STANDARD TILES WHERE POSSIBLE
- K. AT ALL WALL TILE LOCATIONS PROVIDE SOFT JOINTS WHERE TILE ADJOINS FLOOR, CEILING, OR ANOTHER MATERIAL
- L. DEVICES AND OUTLETS NOT SHOWN ON SHEETS FOR CLARITY, REFER TO ELECTRICAL AND TECHNOLOGY FOR LOCATION AND MOUNTING HEIGHTS
- M. REPLACE ALL DAMAGED EXISTING WALL WAINSCOT TILES WITH SALVAGED TILES FROM SELECTIVE DEMOLITION
- N. PATCH AND REPAIR CRACKS THROUGHOUT BUILDING TO MATCH ADJACENT TEXTURE, PAINT, AND/OR FINISH
- O. PATCH, REPAIR AND PAINT ALL INTERIOR PLASTER WALLS TO REMAIN, PAINT P-1 U.N.O.
- P. ALL SOLID SURFACE TO BE SS-1
- Q. ALL PLASTIC LAMINATE TO BE PL-1

REFERENCE KEYNOTES

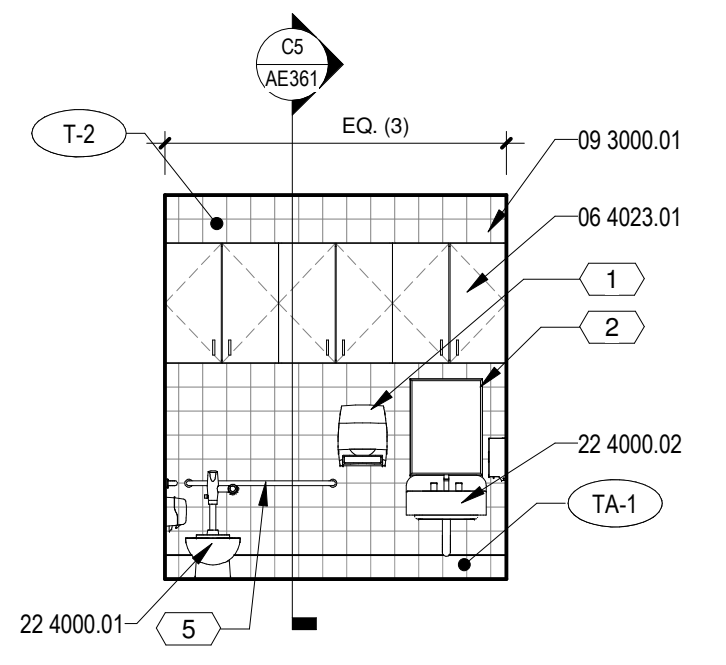
02 0100.20	EXISTING CLAY MASONRY TO REMAIN
02 0100.21	EXISTING BRICK TO REMAIN
02 0100.26	EXISTING GLAZED BLOCK WAINSCOT TO REMAIN
06 4023.01	PLASTIC LAMINATE UPPER CABINETS
06 4023.02	PLASTIC LAMINATE BASE CABINETS
06 4023.03	PLASTIC LAMINATE STORAGE CABINETS
06 4023.04	SOLID SURFACE COUNTERTOP W/ 4" BACKSPLASH AND SIDE SPLASH WHERE APPLICABLE, SS-1, REFER TO FINISH LEGEND
06 4023.19	CASEWORK CUBBIES, REFERENCE INTERIOR ELEVATIONS AND CASEWORK SECTION FOR FINISHES
06 4023.20	SOLID SURFACE SILL, SS-1, REFER TO FINISH LEGEND
09 3000.01	TILE
09 6513.01	4" WALL BASE, RA-1, REFER TO FINISH LEGEND
09 6513.02	6" WALL BASE, RA-2, REFER TO FINISH LEGEND
09 7200.01	CORK WALL COVERING, REFER FINISH LEGEND
09 7200.02	48" X 60" CORK WALL COVERING W/ 1/2" STAINLESS STEEL "J" TRIM, REFER FINISH LEGEND
09 7200.03	CORK WALL COVERING W/ 1/2" STAINLESS STEEL "L" TRIM, REFER FINISH LEGEND
09 7200.04	WRAP CORK WALL COVERING AROUND CORNER
10 1101.01	60" X 120" WHITE BOARD WITH 2 FLAG HOLDERS
10 2601.01	FULL HEIGHT STAINLESS STEEL CORNER GUARD AS SPECIFIED
11 5000.01	PENCIL SHARPENER, ACTO KS MANUAL, VACUUM MOUNT OR APPROVED EQUAL, PROVIDE BLOCKING AS NECESSARY, REFER TO INTERIOR ELEVATIONS AND MOUNTING HEIGHTS
22 4000.01	WATER CLOSET, REFER TO PLUMBING
22 4000.02	LAVATORY, REFER TO PLUMBING
22 4000.06	DRINKING FOUNTAIN, REFER TO PLUMBING
27 0000.01	SHORT THROW PROJECTOR, OPCI, RE: TECHNOLOGY FOR MOUNTING LOCATION

LEGEND

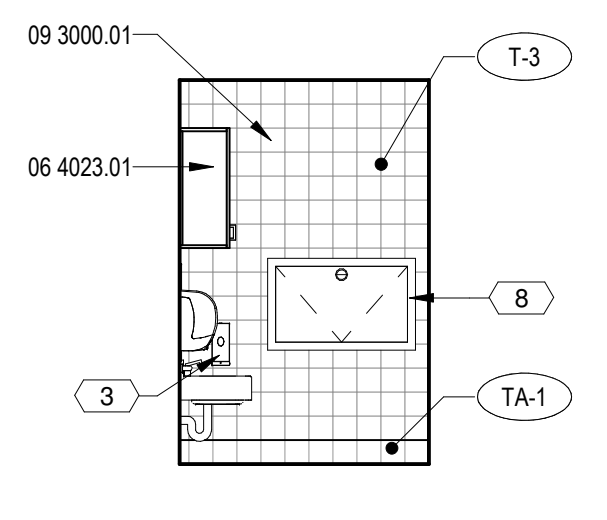
XXX MATERIAL TAG, REFER TO FINISH SCHEDULE AF101A

10 2813 - TOILET ACCESSORIES

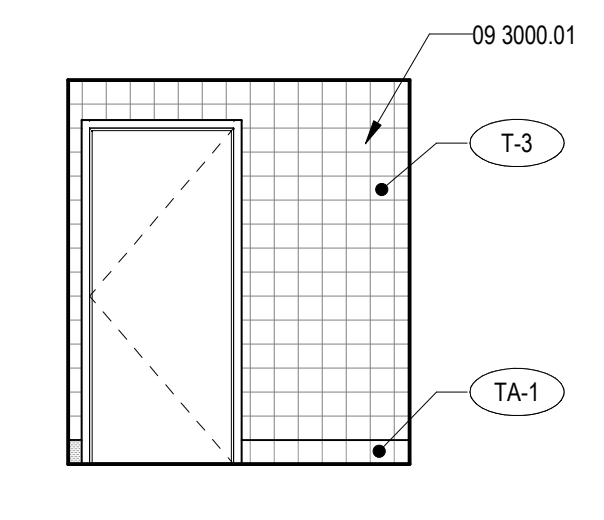
1. PAPER TOWEL DISPENSER, OPCI, COORDINATE LOCATION W/ OWNER BEFORE INSTALLATION
2. 18" X 36" ANGLE FRAME MIRROR, COORDINATE LOCATION W/ OWNER BEFORE INSTALLATION
3. HAND SOAP DISPENSER, OPCI, COORDINATE LOCATION W/ OWNER BEFORE INSTALLATION
4. TOILET PAPER DISPENSER, OPCI, COORDINATE LOCATION W/ OWNER BEFORE INSTALLATION
5. 36" LONG STRAIGHT GRAB BAR
6. 42" LONG STRAIGHT GRAB BAR
7. 18" LONG STRAIGHT GRAB BAR
8. RECESSED CHANGING TABLE, COORDINATE LOCATION W/ OWNER BEFORE INSTALLATION
9. 24" LONG STRAIGHT GRAB BAR
10. MUP RACK
11. SHOWER BENCH
12. 36" X 36" SHOWER GRAB BAR
13. TOWEL HOOK
14. CURTAIN ROD, SHOWER CURTAIN AND SHOWER HOOKS
15. SANITARY NAPKIN DISPOSAL



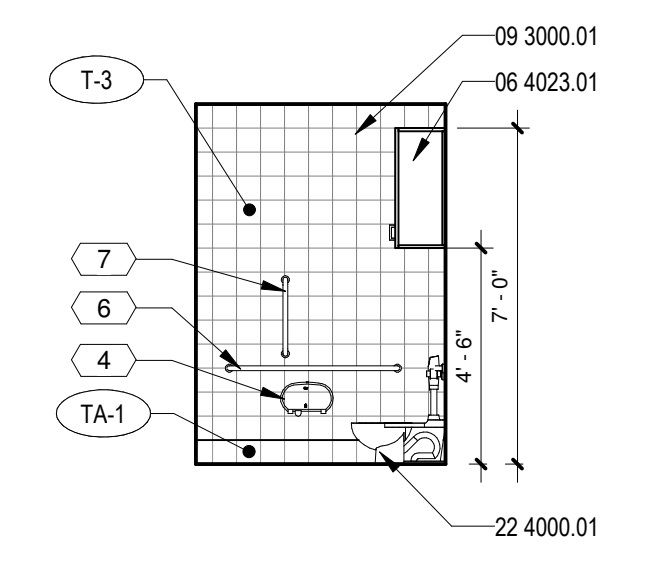
E1 RR. TYP.  
1/4" = 1'-0"



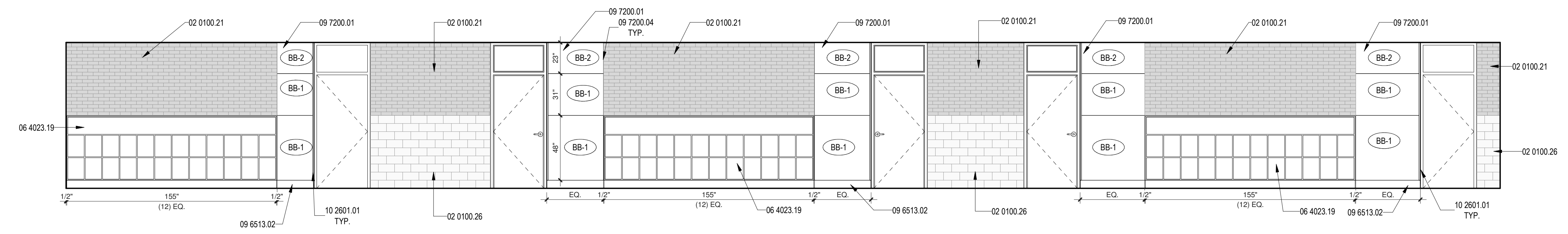
E2 RR. TYP.  
1/4" = 1'-0"



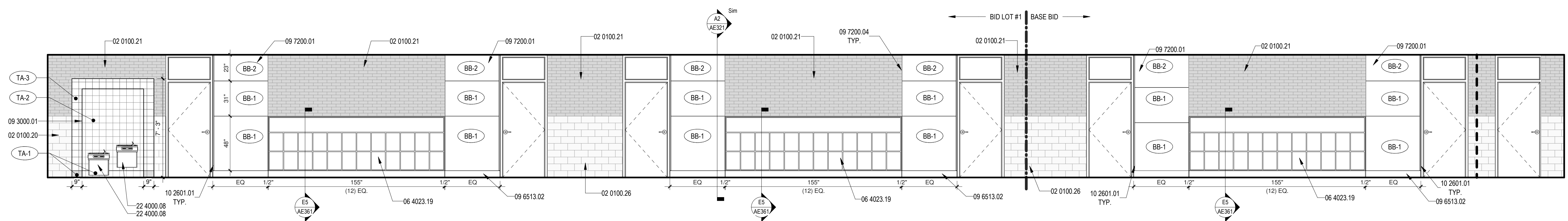
E3 RR. TYP.  
1/4" = 1'-0"



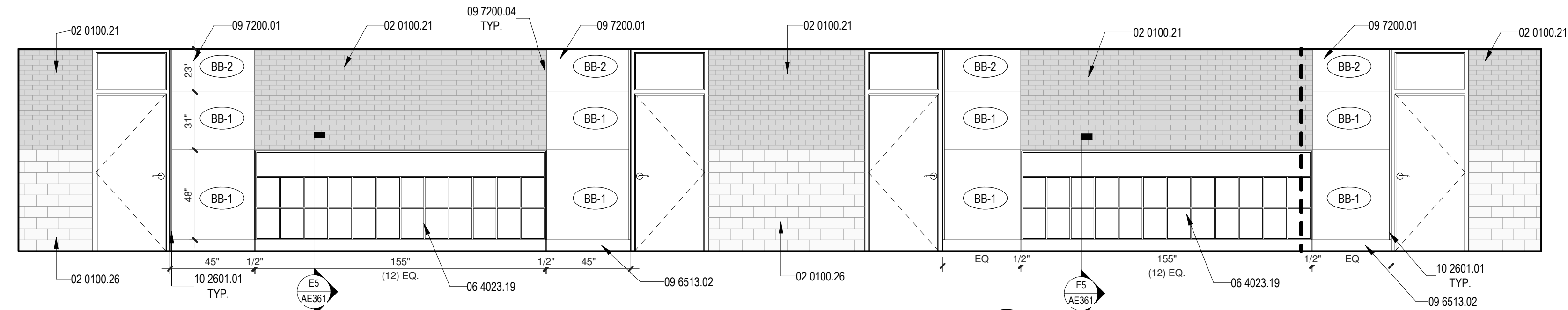
E4 RR. TYP.  
1/4" = 1'-0"



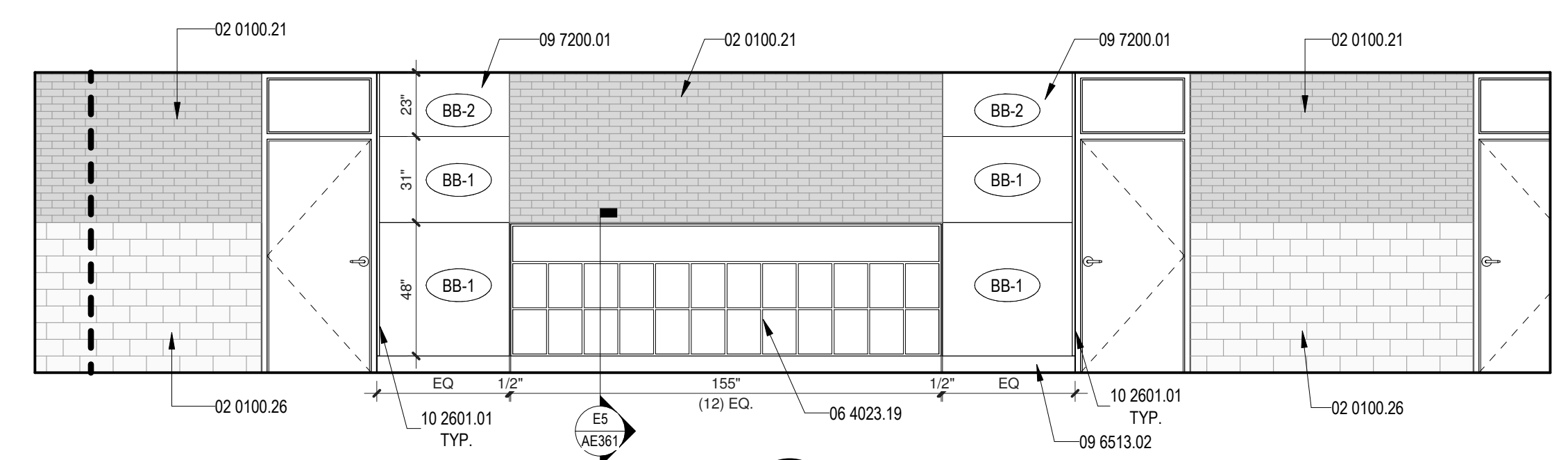
D5 BASE BID - CORRIDOR WEST - AREA A  
1/4" = 1'-0"



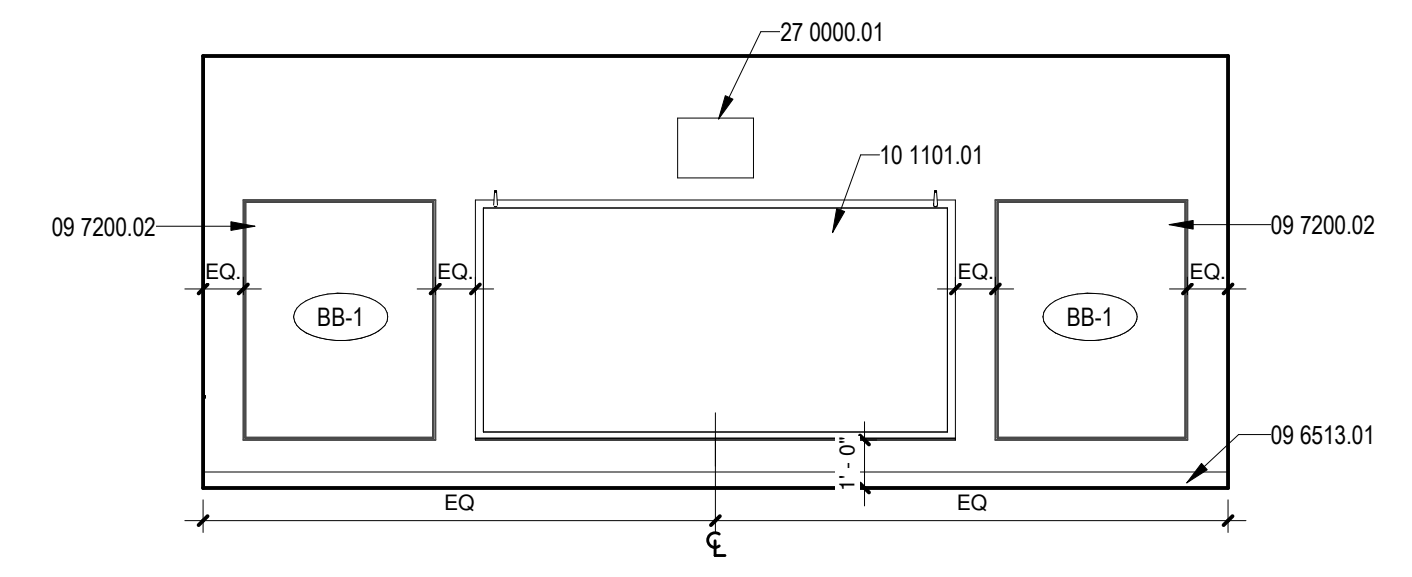
C5 BASE BID & BID LOT #1 - CORRIDOR NORTH - AREA A  
1/4" = 1'-0"



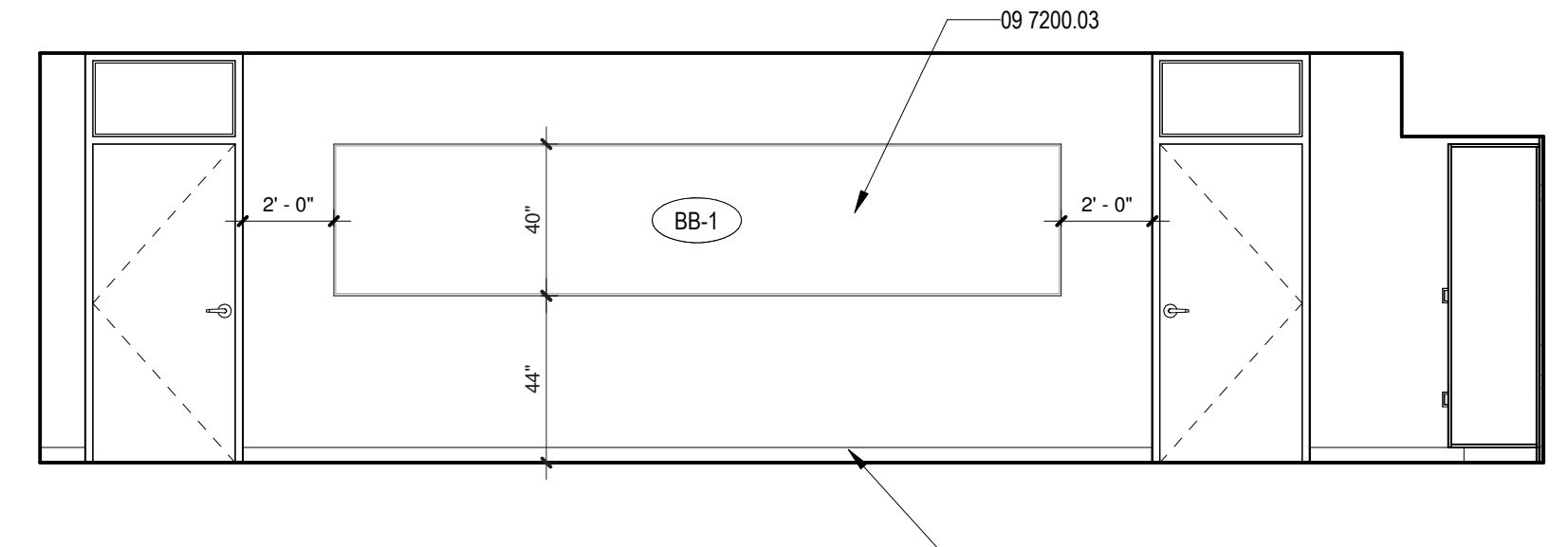
B3 BASE BID - CORRIDOR SOUTH - AREA B  
1/4" = 1'-0"



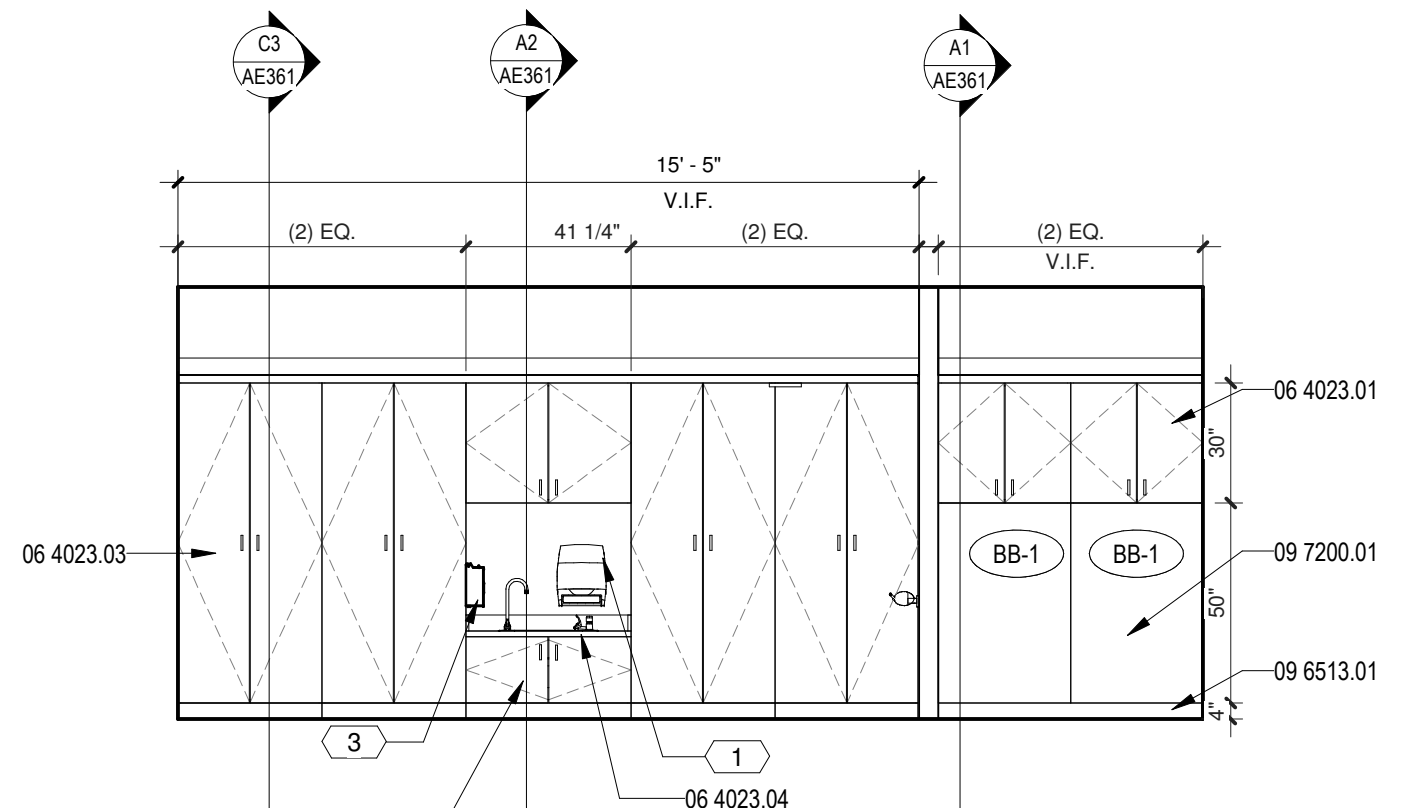
B6 BASE BID - CORRIDOR SOUTH - AREA A  
1/4" = 1'-0"



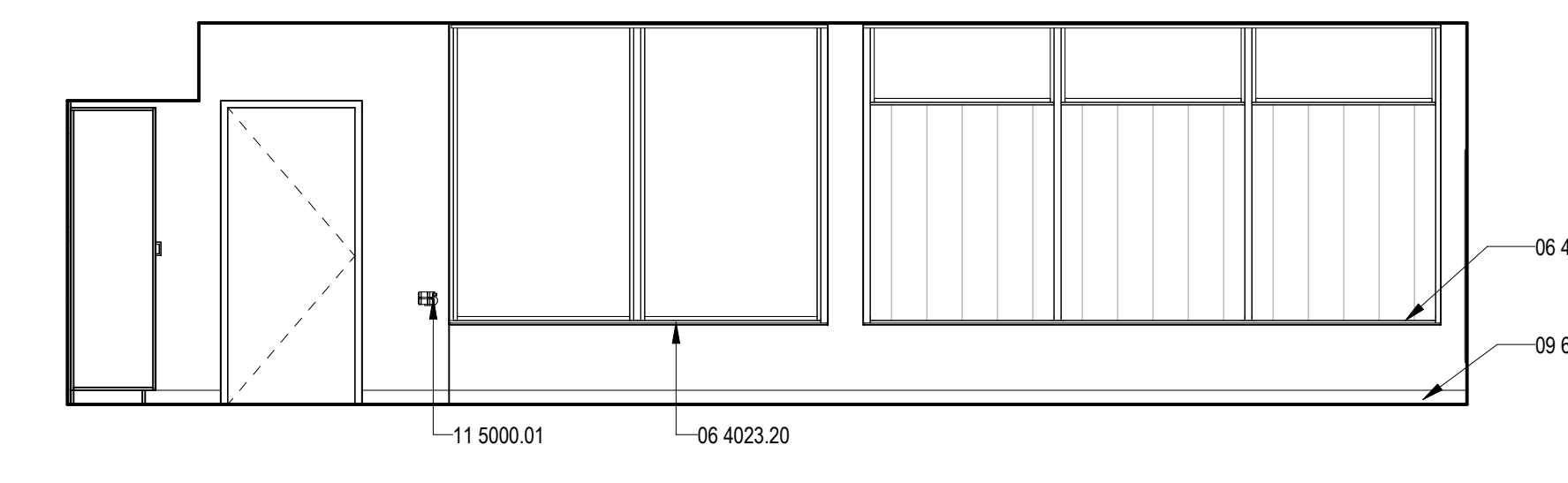
A1 CLASSROOM. TYPICAL  
1/4" = 1'-0"



A3 CLASSROOM. TYPICAL  
1/4" = 1'-0"

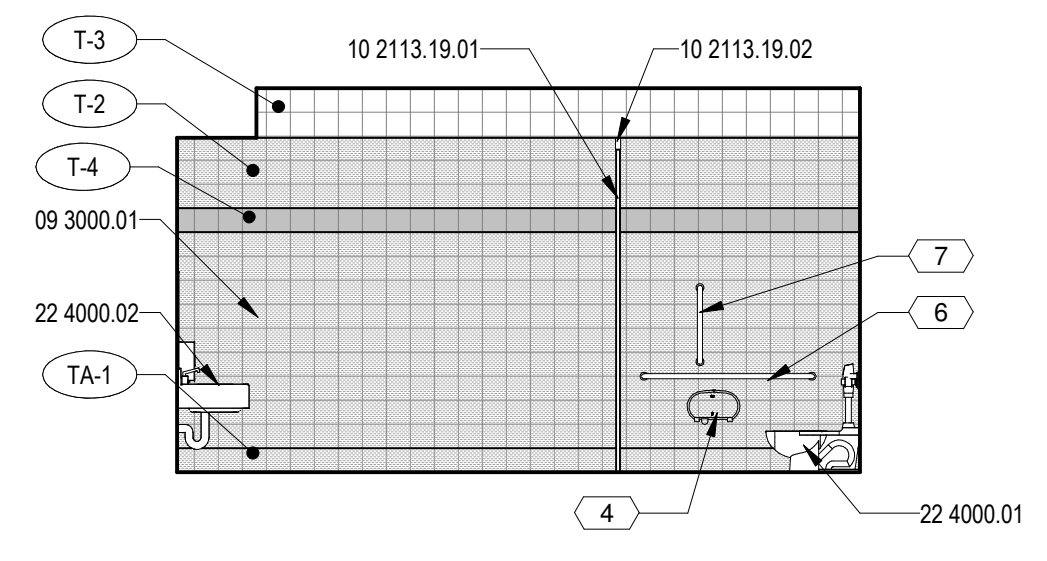


A4 CLASSROOM. TYPICAL  
1/4" = 1'-0"

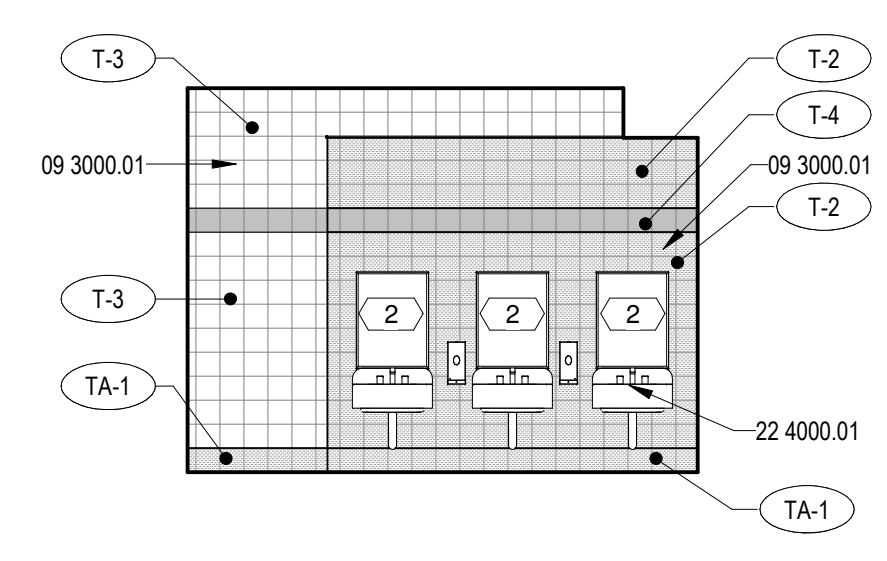


A6 CLASSROOM. TYPICAL  
1/4" = 1'-0"

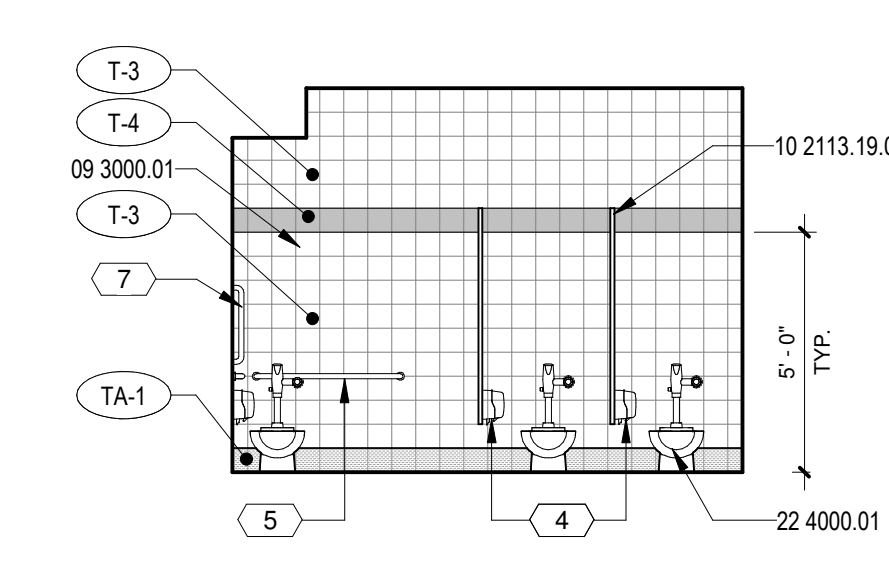




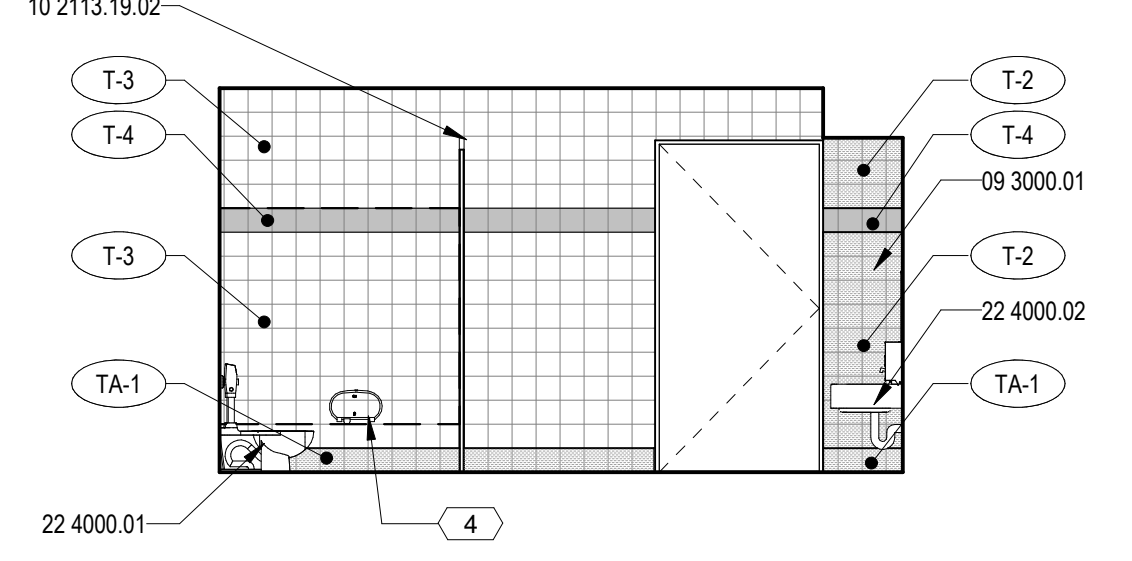
**E2** GIRLS - BID LOT #1  
1/4" = 1'-0"



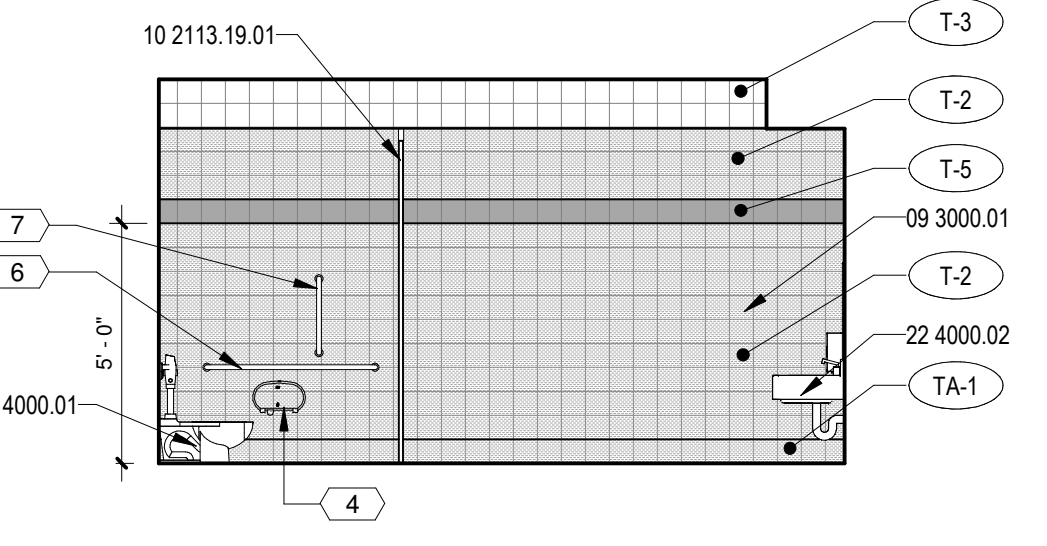
**E3** GIRLS - BID LOT #1  
1/4" = 1'-0"



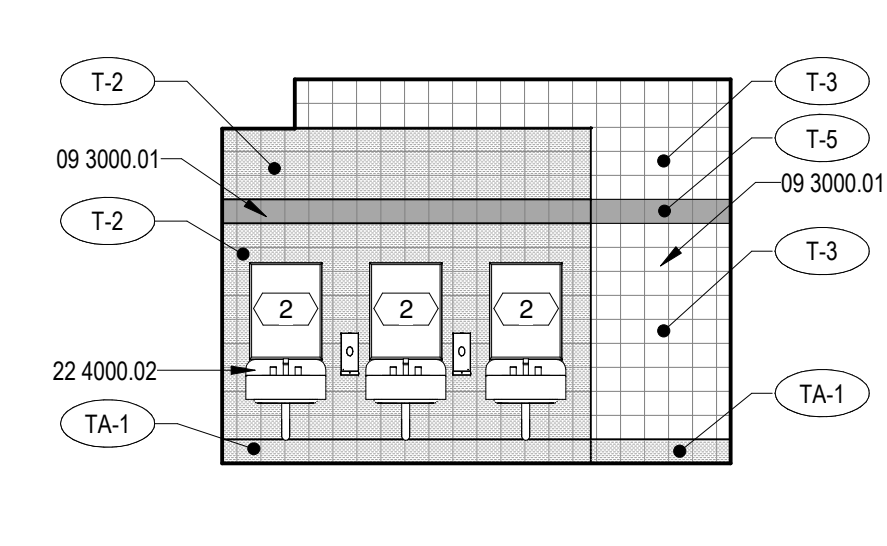
**E4** GIRLS - BID LOT #1  
1/4" = 1'-0"



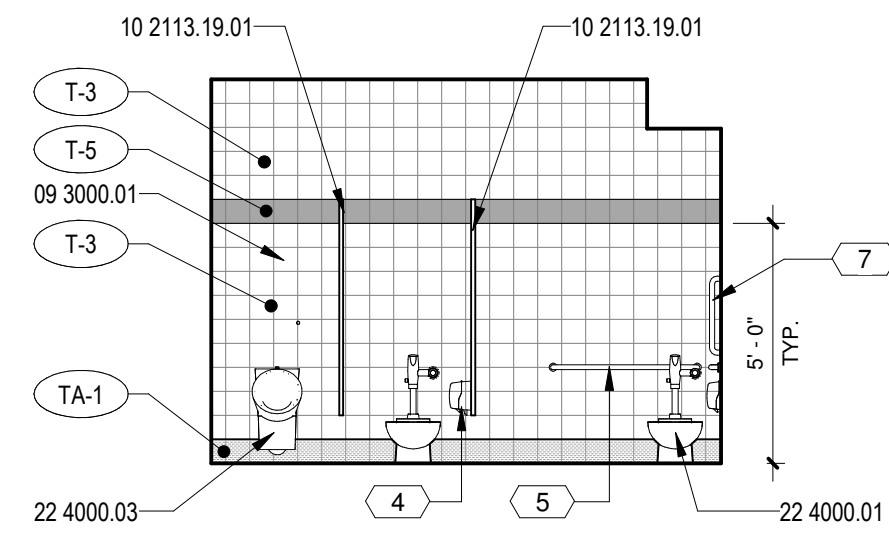
**E5** GIRLS - BID LOT #1  
1/4" = 1'-0"



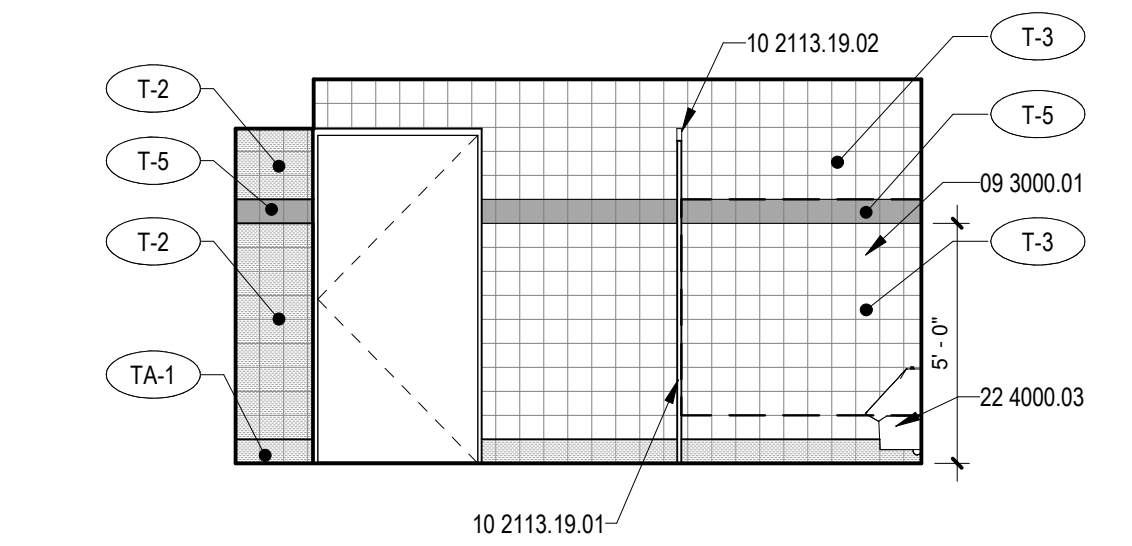
**D3** BOYS - BID LOT #1  
1/4" = 1'-0"



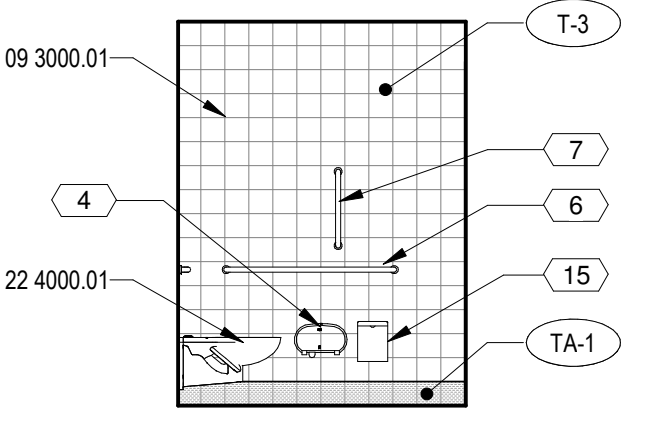
**D5** BOYS - BID LOT #1  
1/4" = 1'-0"



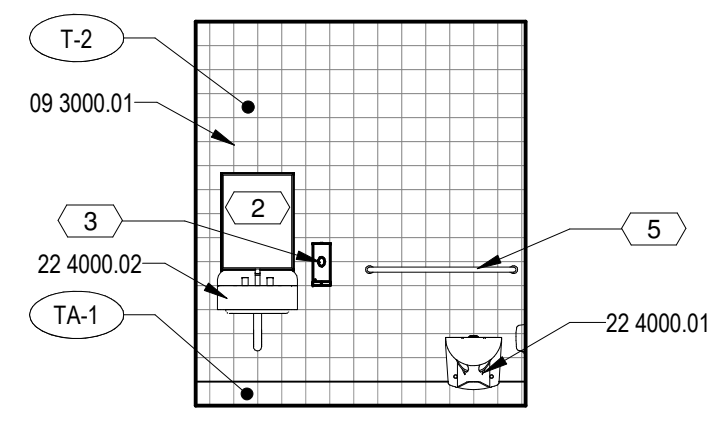
**D4** BOYS - BID LOT #1  
1/4" = 1'-0"



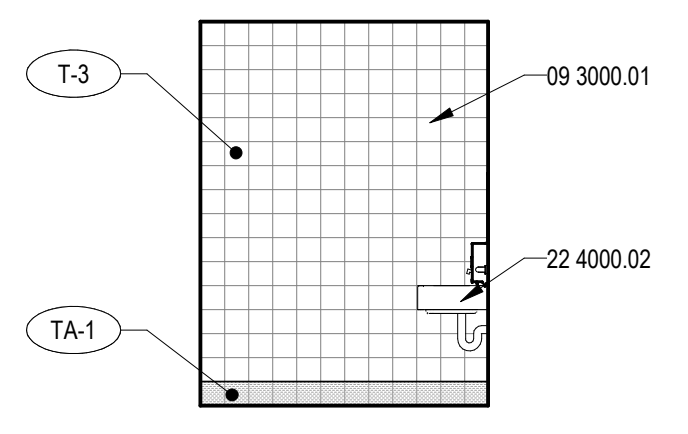
**D6** BOYS - BID LOT #1  
1/4" = 1'-0"



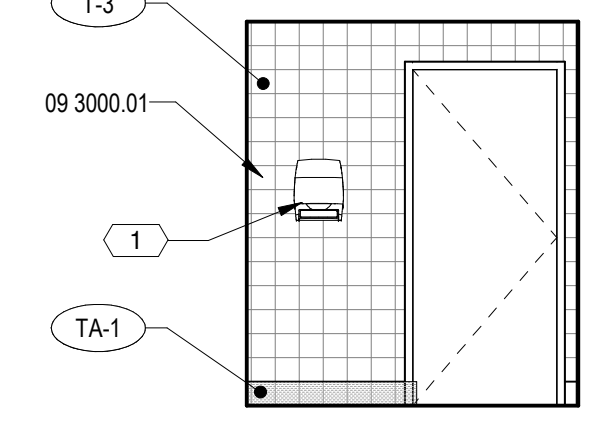
**B1** WOMEN AREA B - BID LOT #1  
1/4" = 1'-0"



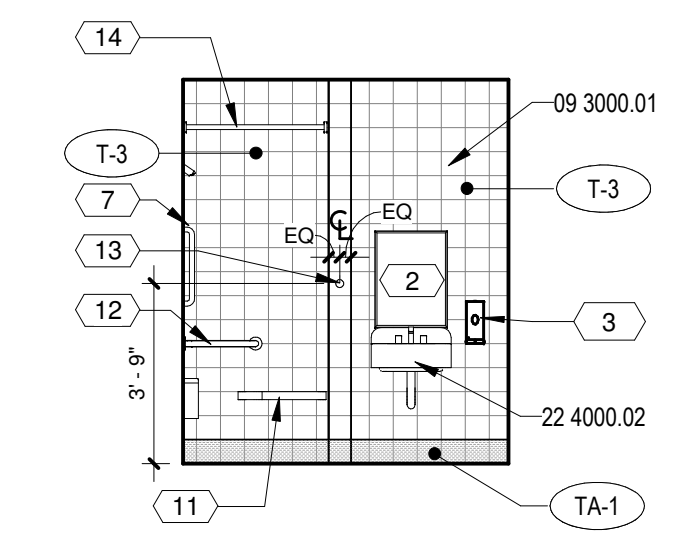
**B2** WOMEN AREA B - BID LOT #1  
1/4" = 1'-0"



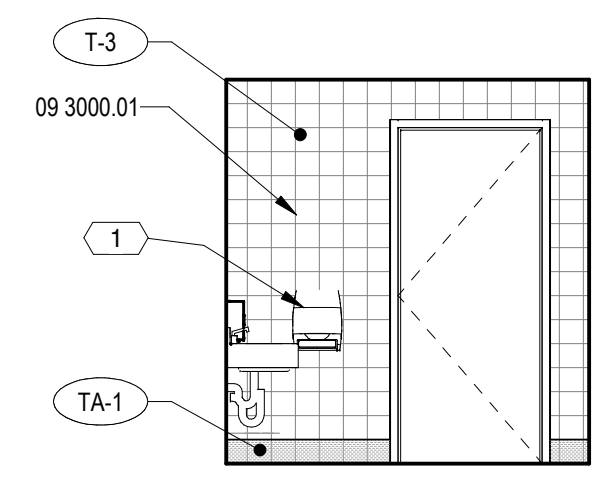
**B3** WOMEN AREA B - BID LOT #1  
1/4" = 1'-0"



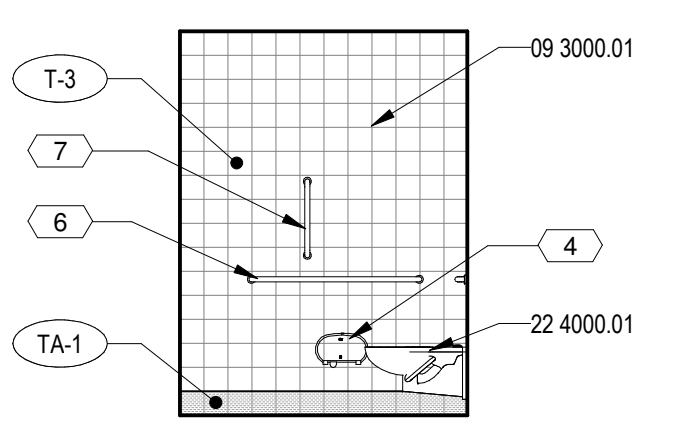
**B4** WOMEN AREA B - BID LOT #1  
1/4" = 1'-0"



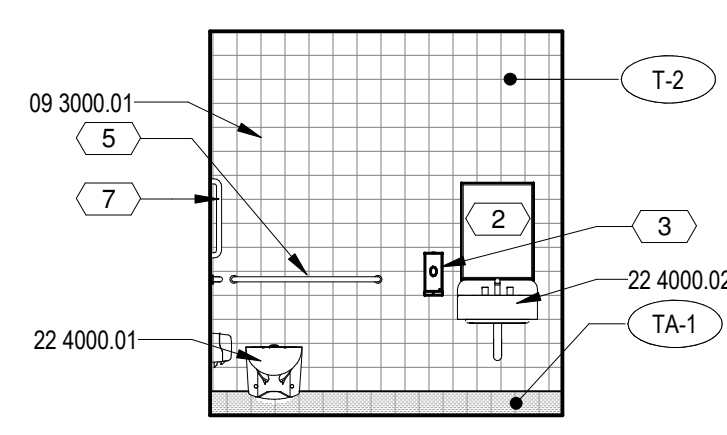
**B5** NURSE - BID LOT #1  
1/4" = 1'-0"



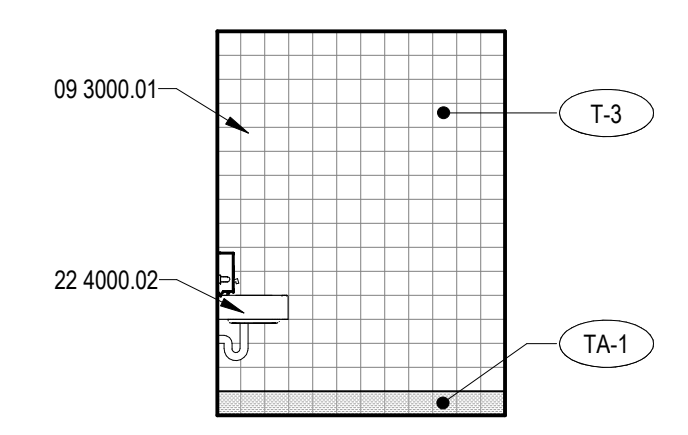
**B6** NURSE - BID LOT #1  
1/4" = 1'-0"



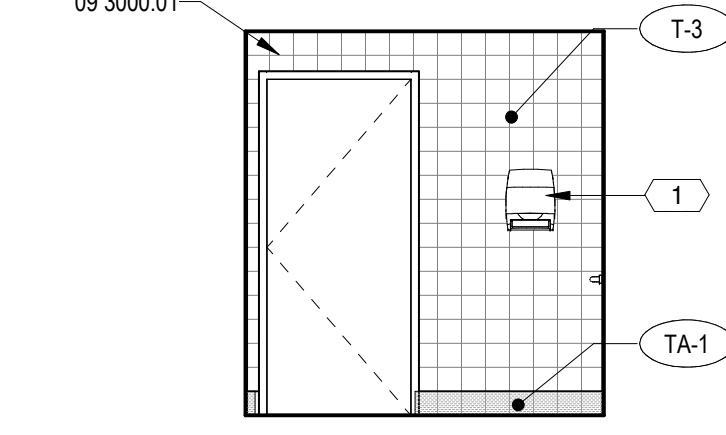
**A1** MEN AREA B - BID LOT #1  
1/4" = 1'-0"



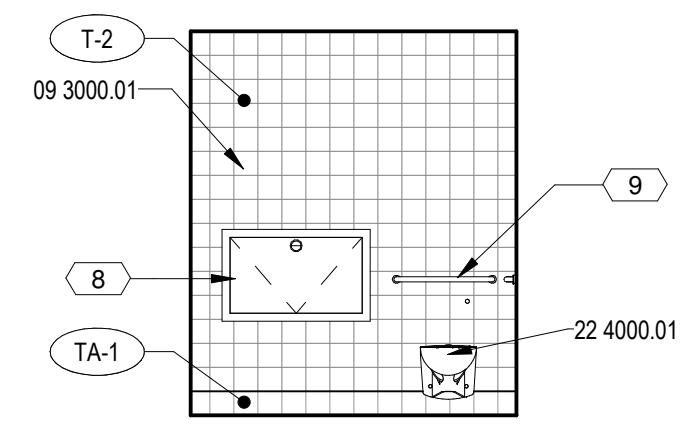
**A2** MEN AREA B - BID LOT #1  
1/4" = 1'-0"



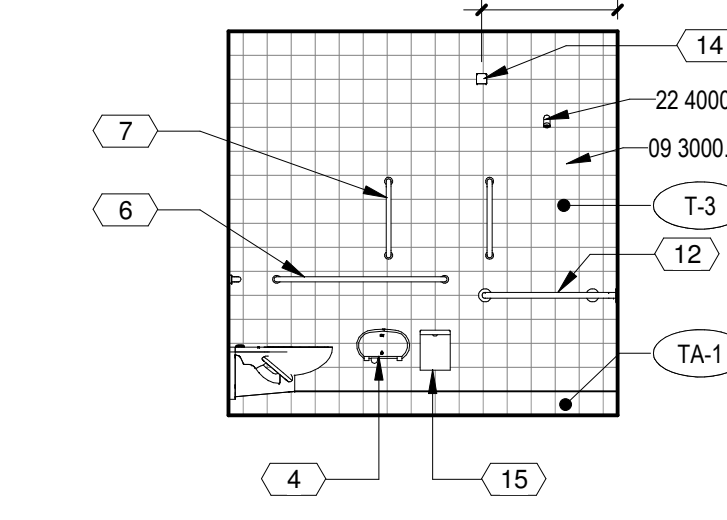
**A3** MEN AREA B - BID LOT #1  
1/4" = 1'-0"



**A4** MEN AREA B - BID LOT #1  
1/4" = 1'-0"



**A5** NURSE - BID LOT #1  
1/4" = 1'-0"



**A6** NURSE - BID LOT #1  
1/4" = 1'-0"

**GENERAL SHEET NOTES**

- A. ALL DIMENSIONS ARE TO FINISHED FACE, UNO
- B. TYPICAL MOUNTING HEIGHTS ARE LOCATED ON GH02
- C. PROVIDE SOLID BLOCKING FOR ALL WALL MOUNTED ITEMS INCLUDING BUT NOT LIMITED TO BOARDS, ACCESSORIES, GRAB BARS, HOOKS, PENCIL SHARPENERS AND CASEWORK
- D. FOR ADDITIONAL FINISH INFORMATION REFERENCE FINISH PLANS AND FINISH LEGEND ON AF101
- E. ALL WALLS IN RESTROOMS TO RECEIVE TILE, WALLS NOT SHOWN IN ELEVATION TO RECEIVE SIMILAR FINISH AS THAT ON ADJACENT WALLS, UNO
- F. EQUAL SEGMENTS NOTED ON CASEWORK ELEVATIONS INDICATE DRAWER AND DOOR WIDTHS, NOT CABINET DIMENSIONS
- G. WHERE APPLICABLE, CASEWORK TO BE CENTERED BETWEEN WALLS WITH SMALLEST FILLER PANEL ALLOWABLE
- H. CONTRACTOR TO COORDINATE ALL SWITCHES, THERMOSTATS, AND TECHNOLOGY DEVICES WITH LOCATIONS OF WHITE BOARDS AND CORK WALL COVERINGS
- I. ALL WALL ACCESS PANELS, WINDOWS, SWITCHES, DEVICES AND/OR ACCESSORIES IN CERAMIC TILE MUST BE FULLY WITHIN FINISH BOUNDARIES AND MAY NOT OVERLAP ONTO ANOTHER WALL FINISH TYPE
- J. TILE INSTALLER TO PLACE GROUT JOINTS SO THAT LARGEST CUT TILES POSSIBLE ARE UTILIZED, AVOID USING TILES LESS THAN 1/2 THE WIDTH OF STANDARD TILES WHERE POSSIBLE
- K. AT ALL WALL TILE LOCATIONS PROVIDE SOFT JOINTS WHERE TILE ADJOINS FLOOR, CEILING, OR ANOTHER MATERIAL
- L. DEVICES AND OUTLETS NOT SHOWN ON SHEETS FOR CLARITY, REFER TO ELECTRICAL AND TECHNOLOGY FOR LOCATION AND MOUNTING HEIGHTS
- M. REPLACE ALL DAMAGED EXISTING WALL WANSOT TILES WITH SALVAGED TILES FROM SELECTIVE DEMOLITION
- N. PATCH AND REPAIR CRACKS THROUGHOUT BUILDING TO MATCH ADJACENT TEXTURE, PAINT, AND/OR FINISH
- O. PATCH, REPAIR AND PAINT ALL INTERIOR PLASTER WALLS TO REMAIN, PAINT P-1 U.N.O.
- P. ALL SOLID SURFACE TO BE SS-1
- Q. ALL PLASTIC LAMINATE TO BE PL-1

**REFERENCE KEYNOTES**

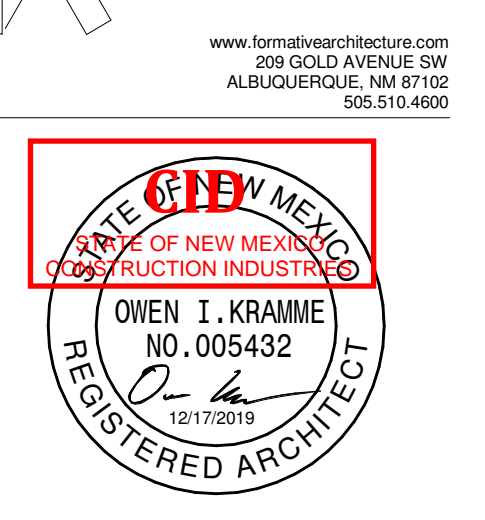
09 3000.01	TILE
10 2113.19.01	TOILET COMPARTMENT
10 2113.19.02	TOILET COMPARTMENT ALUMINUM HEAD RAIL
22 4000.01	WATER CLOSET, REFER TO PLUMBING
22 4000.02	LAVATORY, REFER TO PLUMBING
22 4000.03	URINAL, REFER TO PLUMBING
22 4000.05	SHOWER HEAD, REFER TO PLUMBING

**LEGEND**

XX-X MATERIAL TAG, REFER TO FINISH SCHEDULE AF101A

**10 2813 - TOILET ACCESSORIES**

- 1. PAPER TOWEL DISPENSER, OFCI, COORDINATE LOCATION W/ OWNER BEFORE INSTALLATION
- 2. 18" X 36" ANGLE FRAME MIRROR, COORDINATE LOCATION W/ OWNER BEFORE INSTALLATION
- 3. HAND SOAP DISPENSER, OFCI, COORDINATE LOCATION W/ OWNER BEFORE INSTALLATION
- 4. TOILET PAPER DISPENSER, OFCI, COORDINATE LOCATION W/ OWNER BEFORE INSTALLATION
- 5. 36" LONG STRAIGHT GRAB BAR
- 6. 42" LONG STRAIGHT GRAB BAR
- 7. 18" LONG STRAIGHT GRAB BAR
- 8. RECESSED CHANGING TABLE, COORDINATE LOCATION W/ OWNER BEFORE INSTALLATION
- 9. 24" LONG STRAIGHT GRAB BAR
- 10. MUP RACK
- 11. SHOWER BENCH
- 12. 36" X 36" SHOWER GRAB BAR
- 13. TOWEL HOOK
- 14. CURTAIN ROD, SHOWER CURTAIN AND SHOWER HOOKS
- 15. SANITARY NAPKIN DISPOSAL



SEAL

PROJECT



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

REVISIONS

- △
- △
- △
- △
- △
- △

DRAWN BY: NW

REVIEWED BY: OK

DATE: 12/10/2019

PROJECT NO: 18-0032

PSFA PRE-K PROJECT NO: K-18-011

PSFA SYSTEMS PROJECT NO: S-20-008

DRAWING NAME

**INTERIOR ELEVATIONS**

SHEET NO

AE222



GENERAL SHEET NOTES

- A. ALL DIMENSIONS ARE TO FINISHED FACE, UNO
- B. TYPICAL MOUNTING HEIGHTS ARE LOCATED ON G102
- C. PROVIDE SOLID BLOCKING FOR ALL WALL MOUNTED ITEMS INCLUDING BUT NOT LIMITED TO BOARDS, ACCESSORIES, GRAB BARS, HOOKS, PENCIL SHARPENERS AND CASEWORK
- D. FOR ADDITIONAL FINISH INFORMATION REFERENCE FINISH PLANS AND FINISH LEGEND ON AF101
- E. ALL WALLS IN RESTROOMS TO RECEIVE TILE, WALLS NOT SHOWN IN ELEVATION TO RECEIVE SIMILAR FINISH AS THAT ON ADJACENT WALLS, UNO
- F. EQUAL SEGMENTS NOTED ON CASEWORK ELEVATIONS INDICATE DRAWER AND DOOR WIDTHS, NOT CABINET DIMENSIONS
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- O. PATCH, REPAIR AND PAINT ALL INTERIOR PLASTER WALLS TO REMAIN, PAINT P-1 U.N.O.
- P. ALL SOLID SURFACE TO BE SS-1
- Q. ALL PLASTIC LAMINATE TO BE PL-1

REFERENCE KEYNOTES

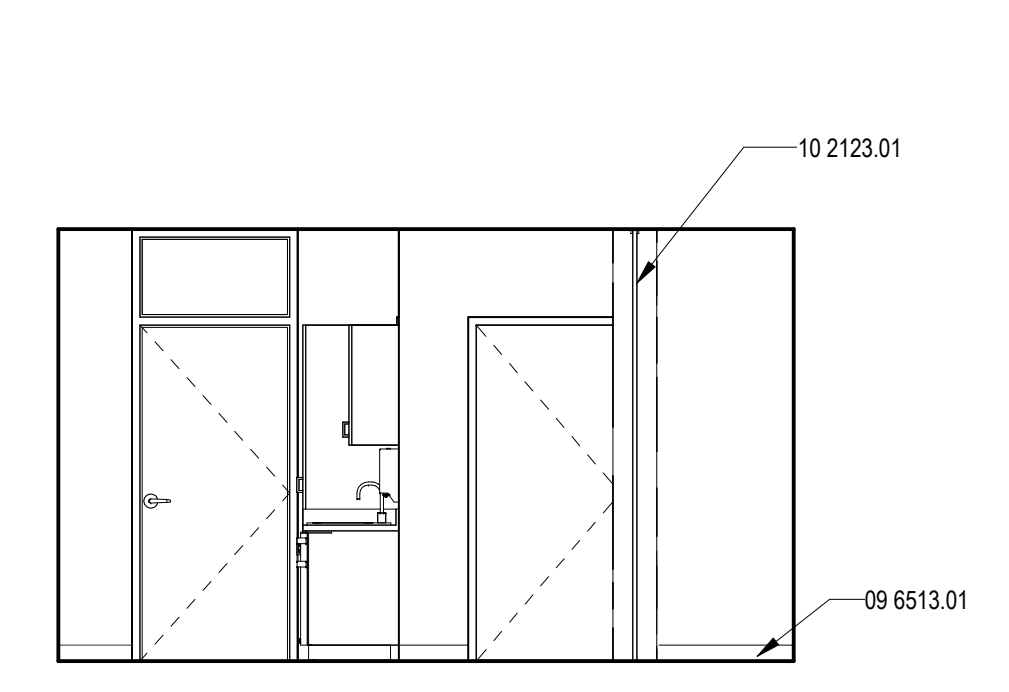
0.02	ALIGN
0.04	COPIER, N.I.C.
0.06	VIEWING MONITOR, OFCI
0.10	UNDERCOUNTER MEDICAL REFRIGERATOR, N.I.C.
0.19	ELECTRIC RANGE, N.I.C.
02 0100.18	EXISTING FRIDGE TO BE RELOCATED TO NEW TEACHER LOUNGE, N.I.C.
02 0100.30	EXISTING VENDING MACHINE N.I.C.
02 0100.34	RELOCATED FIRE EXTINGUISHER
06 4023.01	PLASTIC LAMINATE UPPER CABINETS
06 4023.02	PLASTIC LAMINATE BASE CABINETS
06 4023.03	PLASTIC LAMINATE STORAGE CABINETS
06 4023.04	SOLID SURFACE COUNTERTOP W/ 4" BACKSPLASH AND SIDE SPLASH WHERE APPLICABLE, SS-1, REFER TO FINISH LEGEND
06 4023.05	PLASTIC LAMINATE FILLER SCRIBES AS REQUIRED
06 4023.17	COUNTER SUPPORT AS REQUIRED, PROVIDE BLOCKING
06 4023.20	SOLID SURFACE SILL, SS-1, REFER TO FINISH LEGEND
06 4023.21	PLASTIC LAMINATE, PL-1
06 4023.24	PLASTIC LAMINATE STORAGE CABINET TO EXTEND TO CORNER
09 6513.01	4" WALL BASE, RA-1, REFER TO FINISH LEGEND
10 1101.01	60" X 120" WHITE BOARD WITH 2 FLAG HOLDERS
10 2123.01	PRIVACY CURTAIN AND TRACK
10 2813.01	SOAP DISPENSER, OFCI
10 2813.02	PAPER TOWEL DISPENSER, OFCI
23 0000.03	ROOF VENTED RESIDENTIAL HOOD, REFER TO MECHANICAL

LEGEND

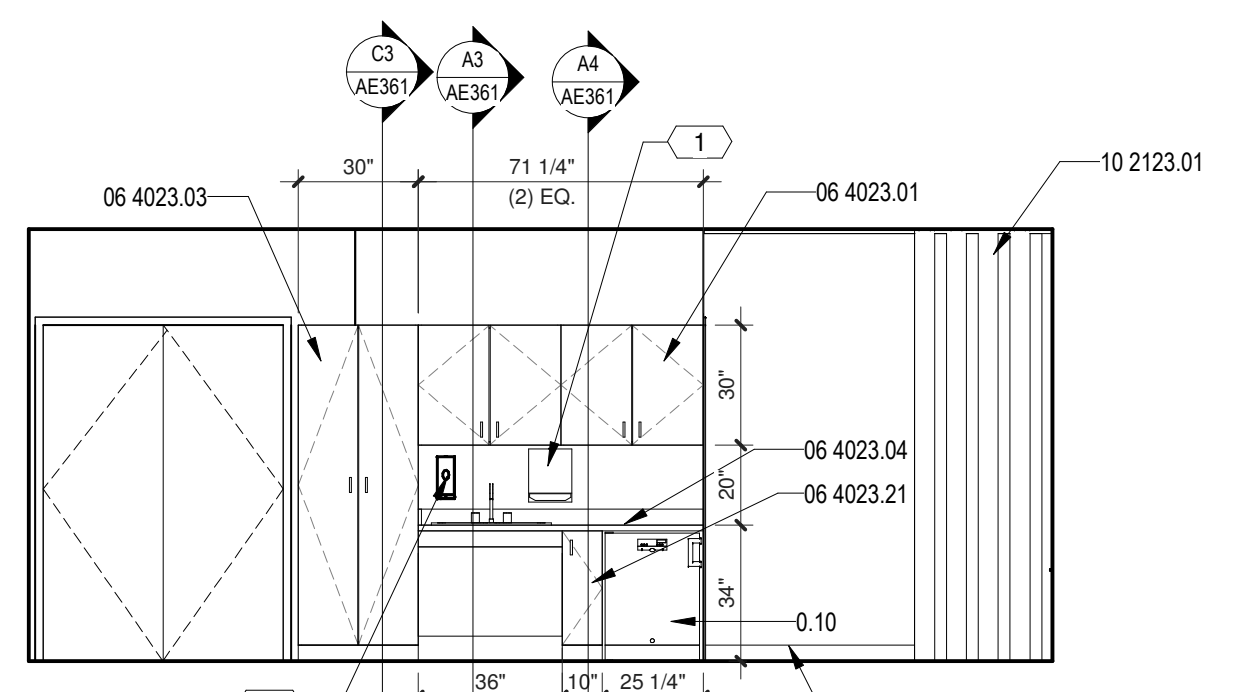
XXX MATERIAL TAG, REFER TO FINISH SCHEDULE AF101A

10 2813 - TOILET ACCESSORIES

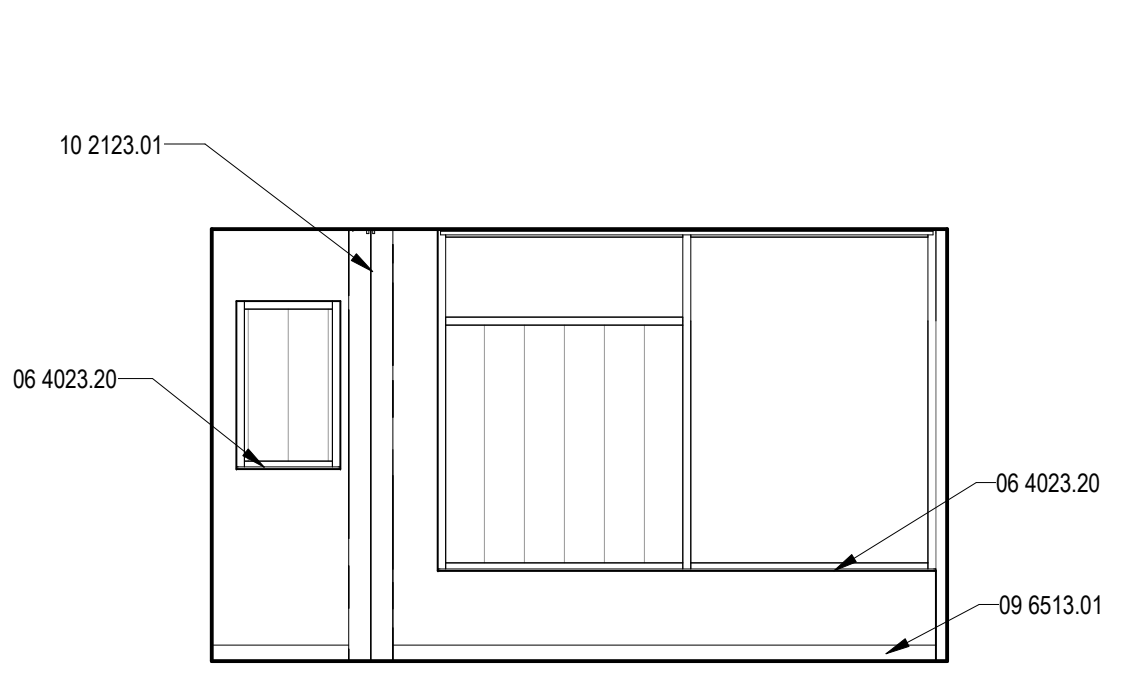
1. PAPER TOWEL DISPENSER, OFCI, COORDINATE LOCATION W/ OWNER BEFORE INSTALLATION
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14. CURTAIN ROD, SHOWER CURTAIN AND SHOWER HOOKS
15. SANITARY NAPKIN DISPOSAL



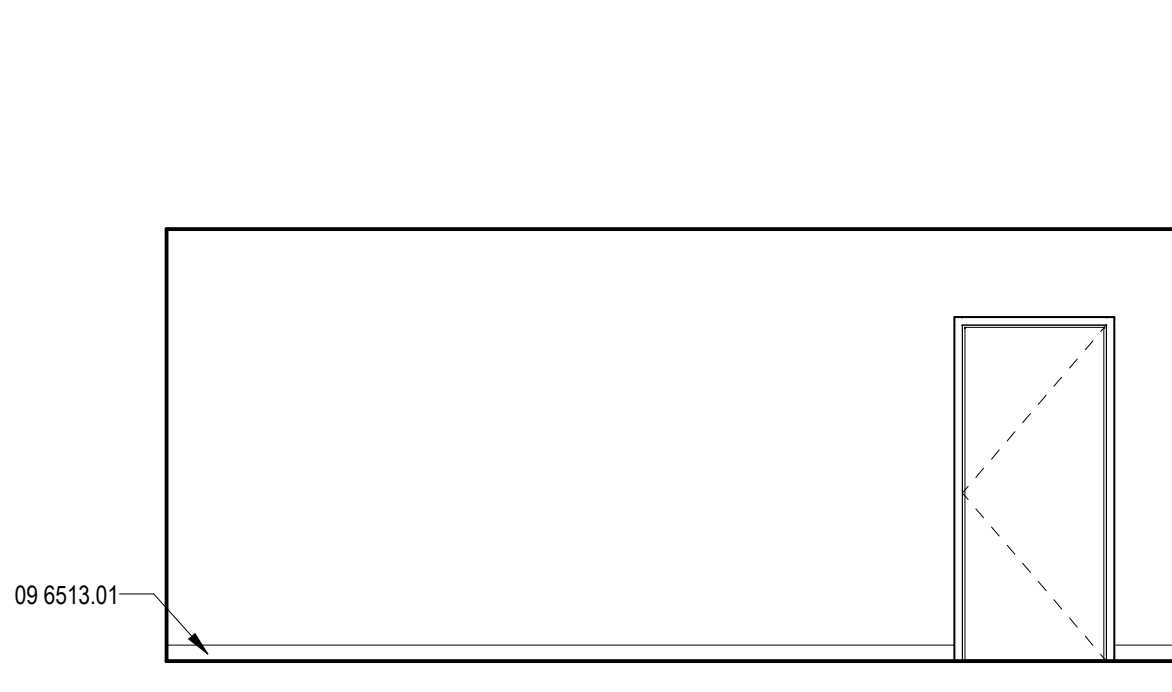
D2 NURSE - BID LOT #1  
1/4" = 1'-0"



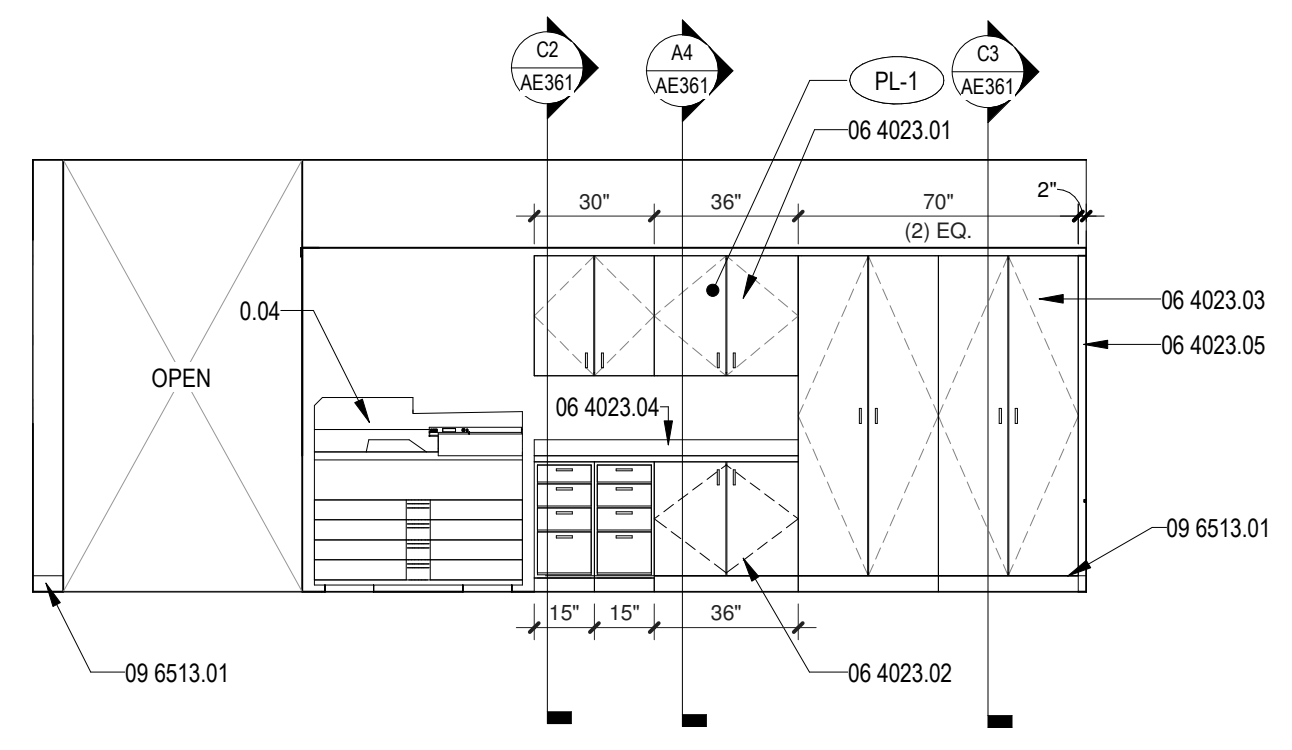
D3 NURSE - BID LOT #1  
1/4" = 1'-0"



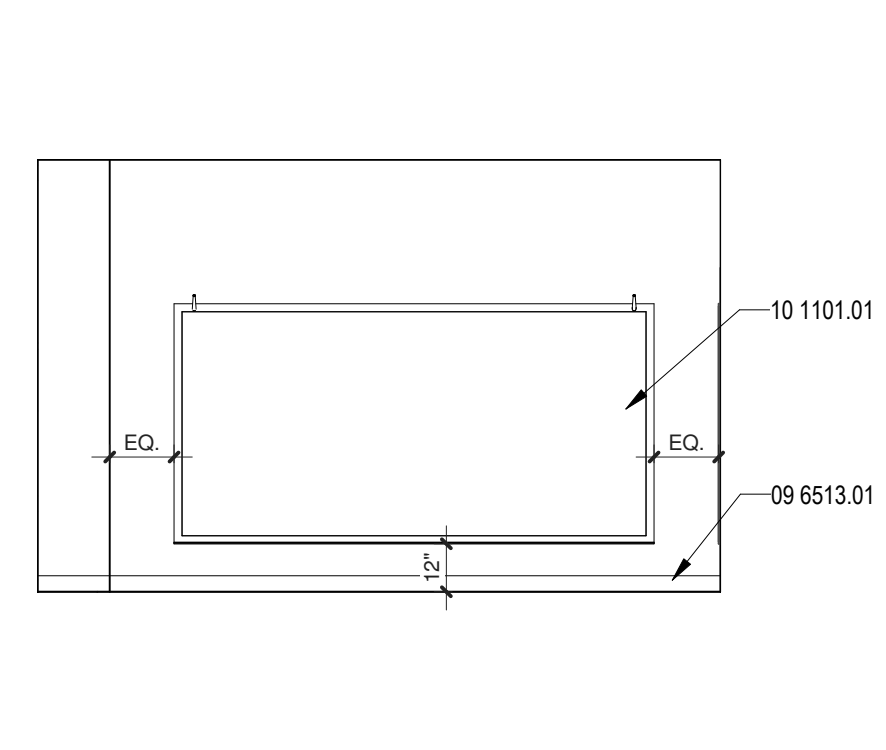
D4 NURSE - BID LOT #1  
1/4" = 1'-0"



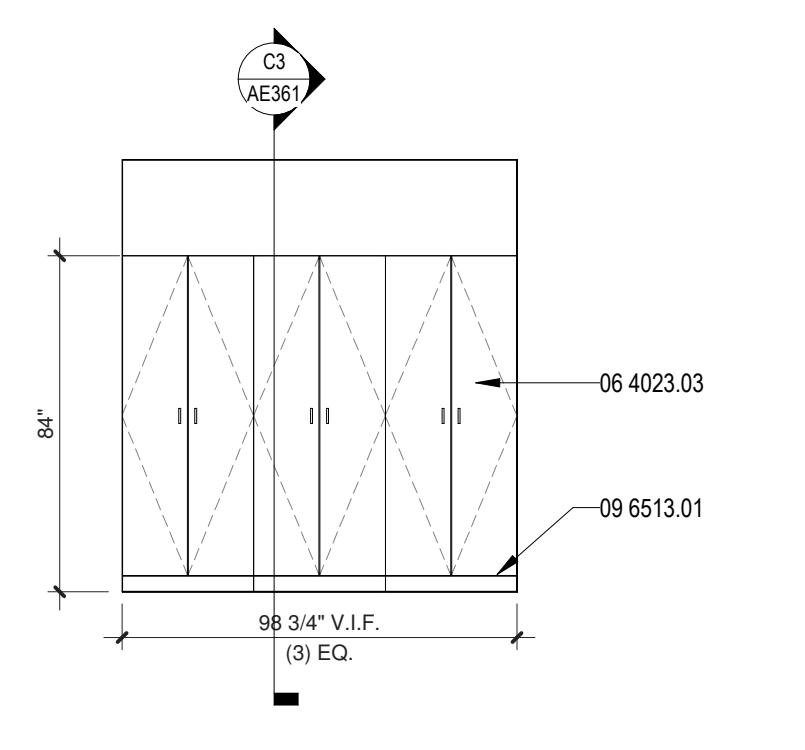
D5 NURSE - BID LOT #1  
1/4" = 1'-0"



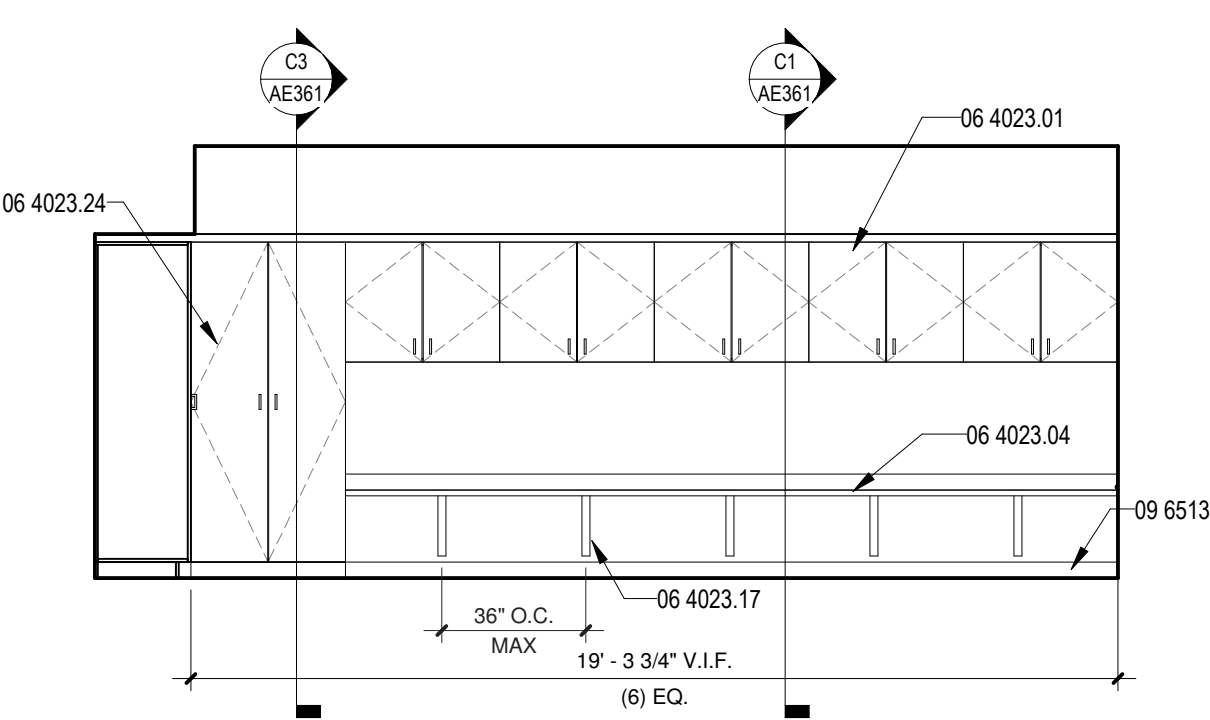
C1 RECEPTION - BID LOT #1  
1/4" = 1'-0"



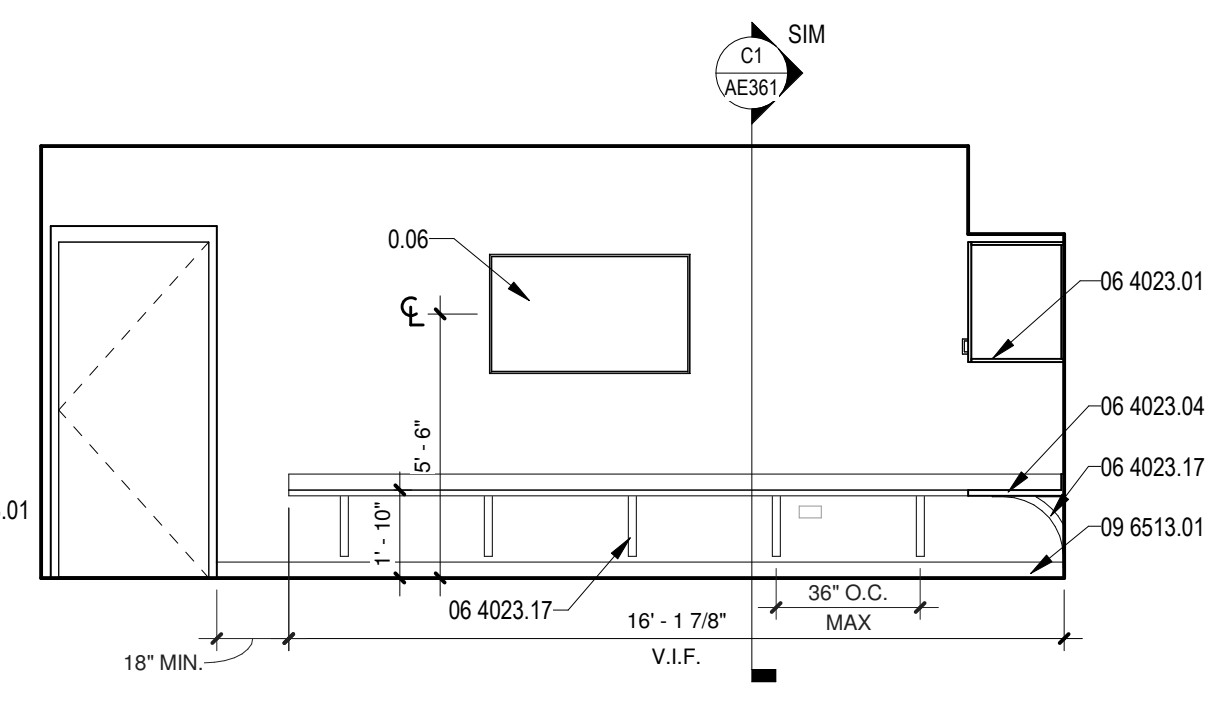
C2 SPECIAL EDUCATION - BID LOT #1  
1/4" = 1'-0"



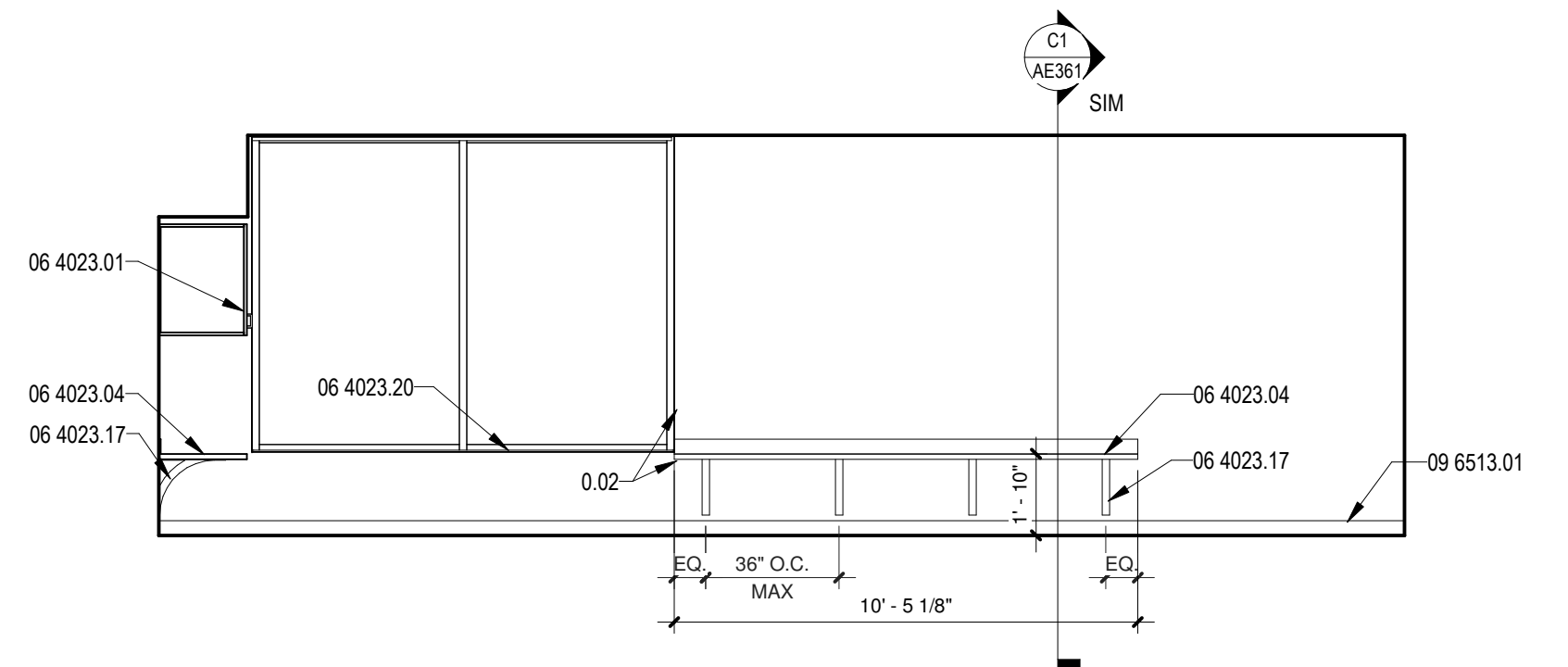
C3 SPECIAL EDUCATION - BID LOT #1  
1/4" = 1'-0"



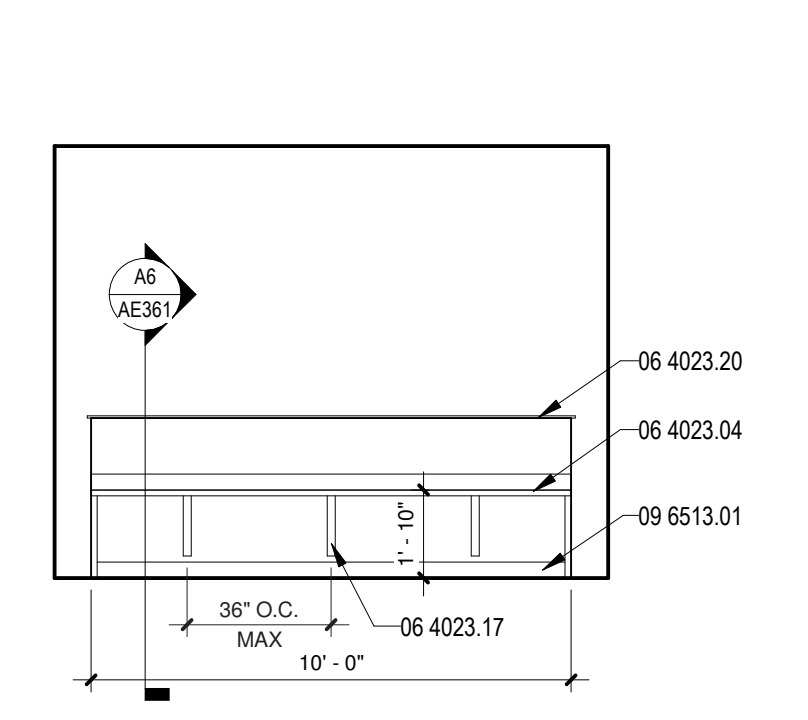
B1 COMPUTER LAB - BID LOT #1  
1/4" = 1'-0"



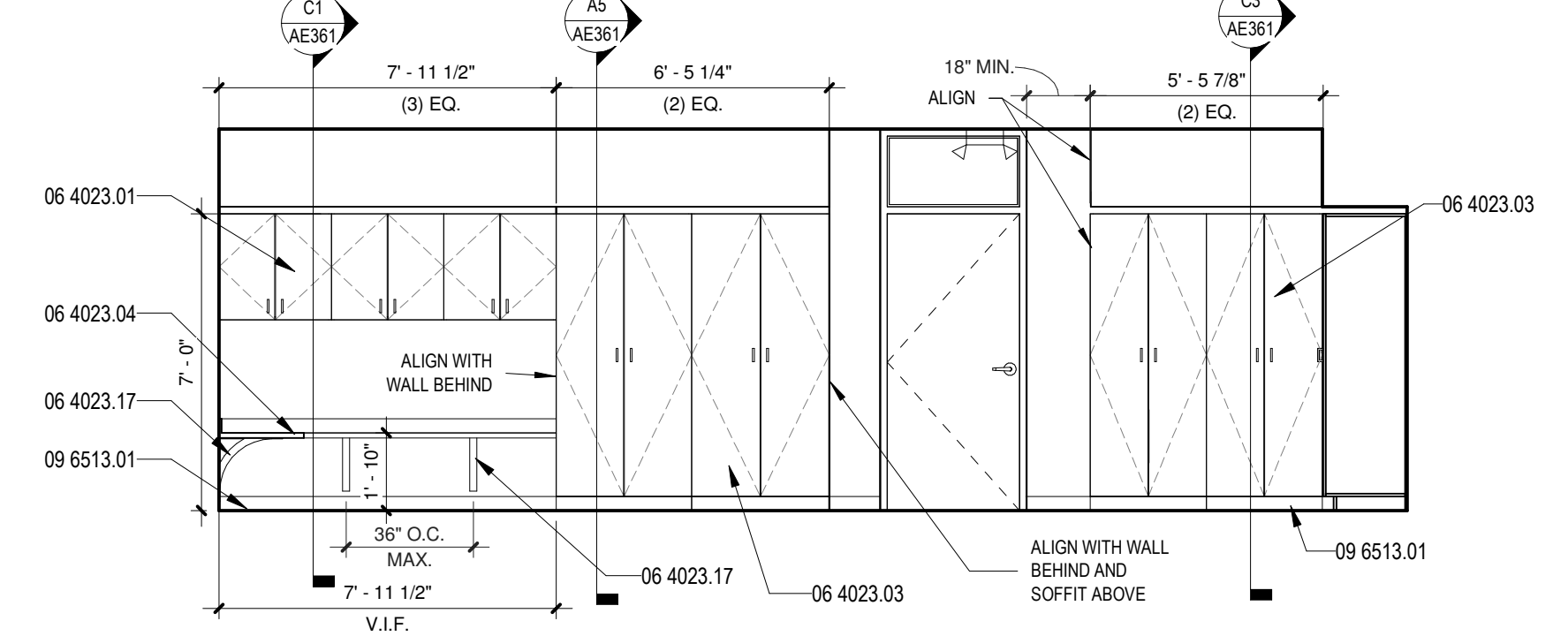
B2 COMPUTER LAB - BID LOT #1  
1/4" = 1'-0"



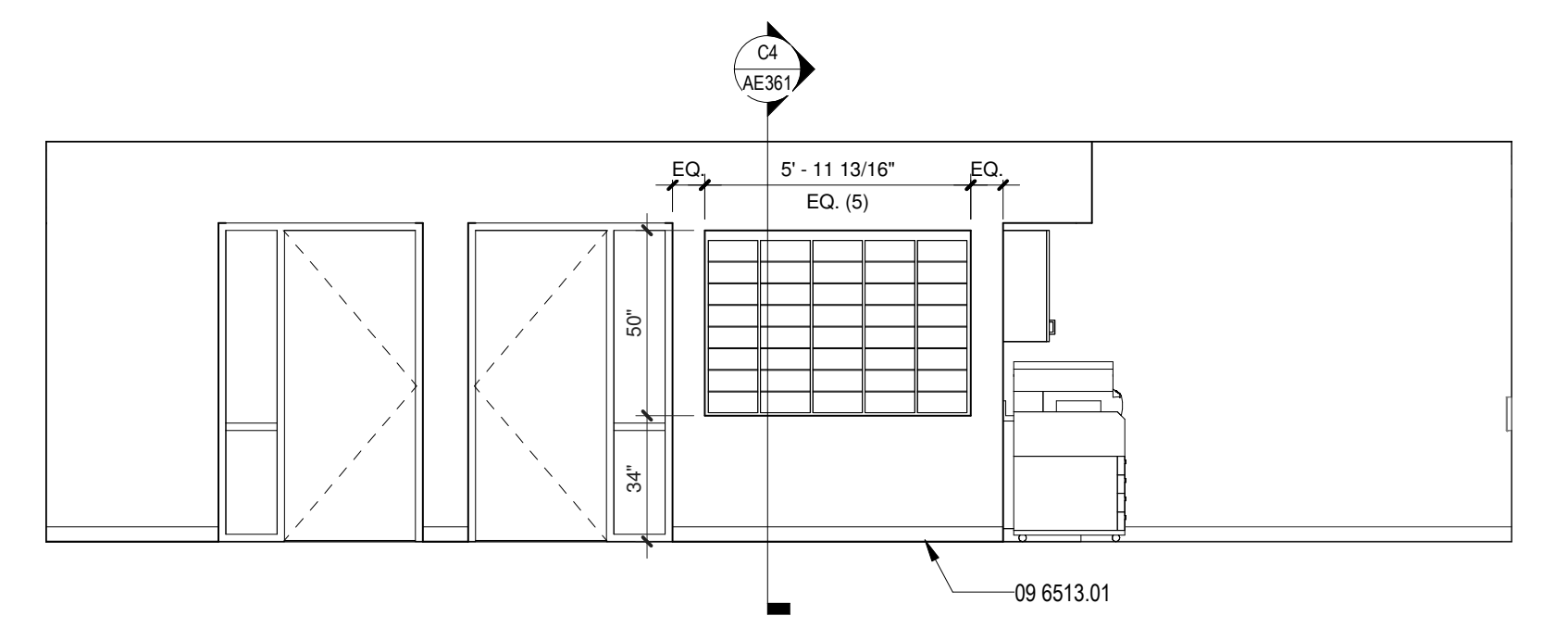
B3 COMPUTER LAB - BID LOT #1  
1/4" = 1'-0"



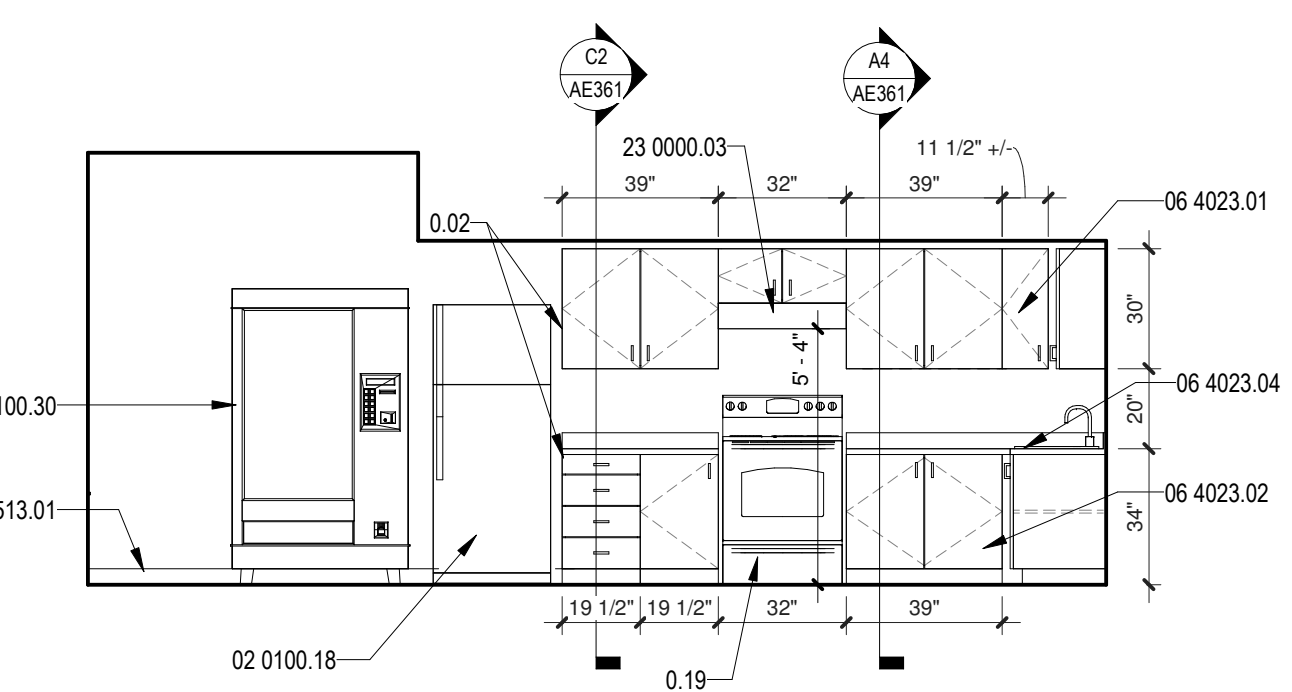
B4 COMPUTER LAB - BID LOT #1  
1/4" = 1'-0"



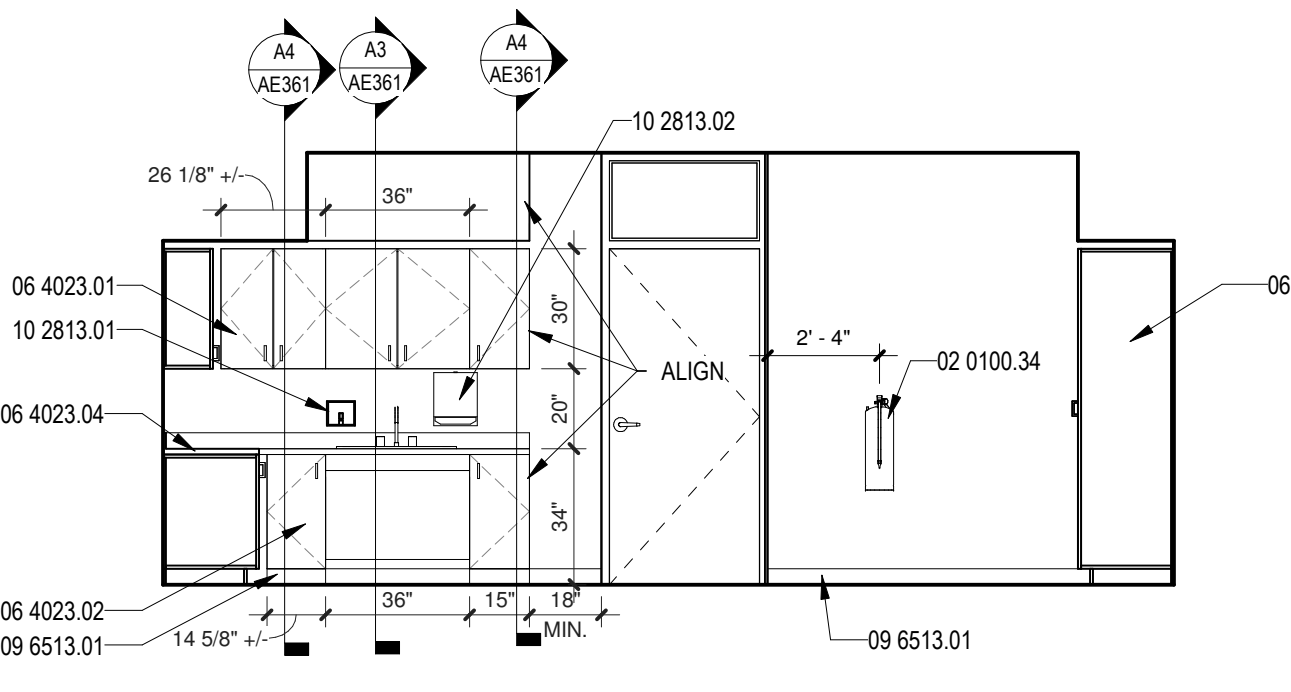
B5 COMPUTER LAB - BID LOT #1  
1/4" = 1'-0"



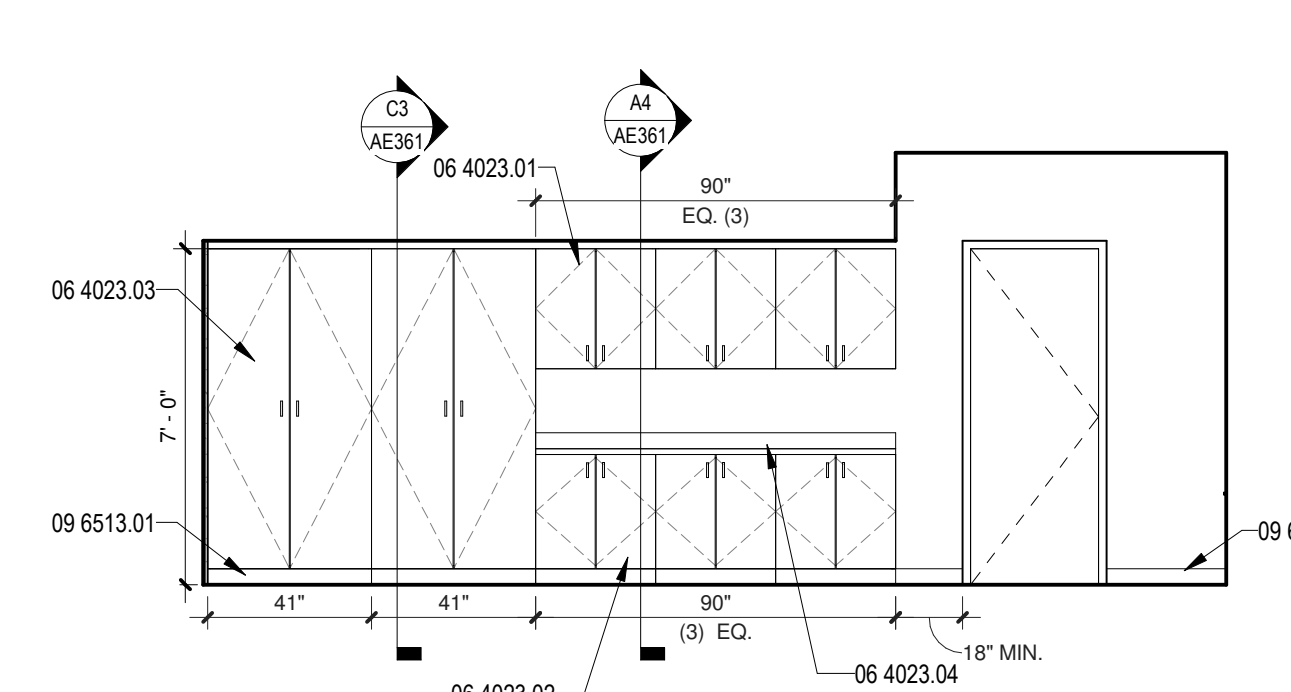
A1 HALL 01  
1/4" = 1'-0"



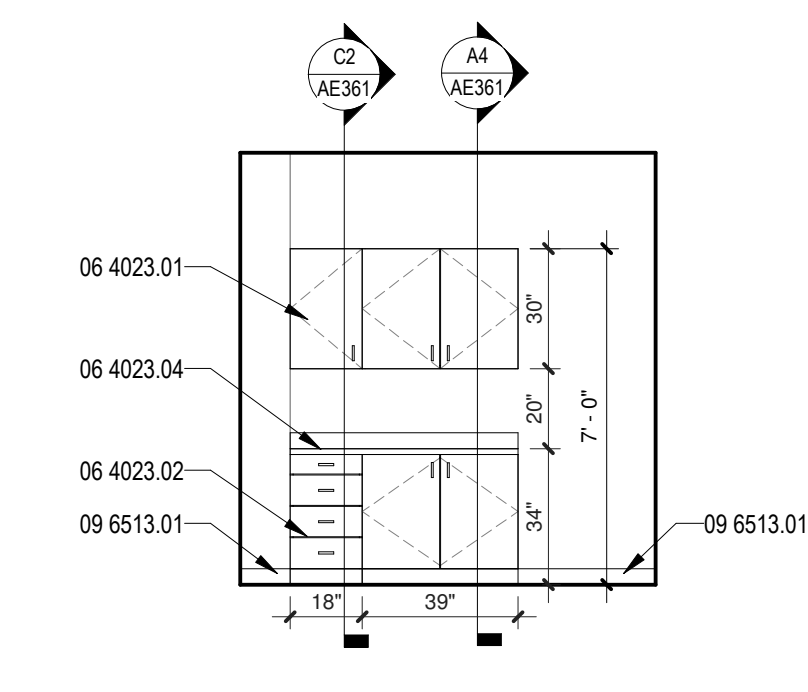
A2 TEACHER LOUNGE - BID LOT #1  
1/4" = 1'-0"



A4 TEACHER LOUNGE - BID LOT #1  
1/4" = 1'-0"



A5 TEACHER LOUNGE - BID LOT #1  
1/4" = 1'-0"



A6 COPIER ROOM - BID LOT #1  
1/4" = 1'-0"



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- E. ALL WALLS IN RESTROOMS TO RECEIVE TILE, WALLS NOT SHOWN IN ELEVATION TO RECEIVE SIMILAR FINISH AS THAT ON ADJACENT WALLS, UNO
- F. EQUAL SEGMENTS NOTED ON CASEWORK ELEVATIONS INDICATE DRAWER AND DOOR WIDTHS, NOT CABINET DIMENSIONS
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- P. ALL SOLID SURFACE TO BE SS-1
- Q. ALL PLASTIC LAMINATE TO BE PL-1

REFERENCE KEYNOTES

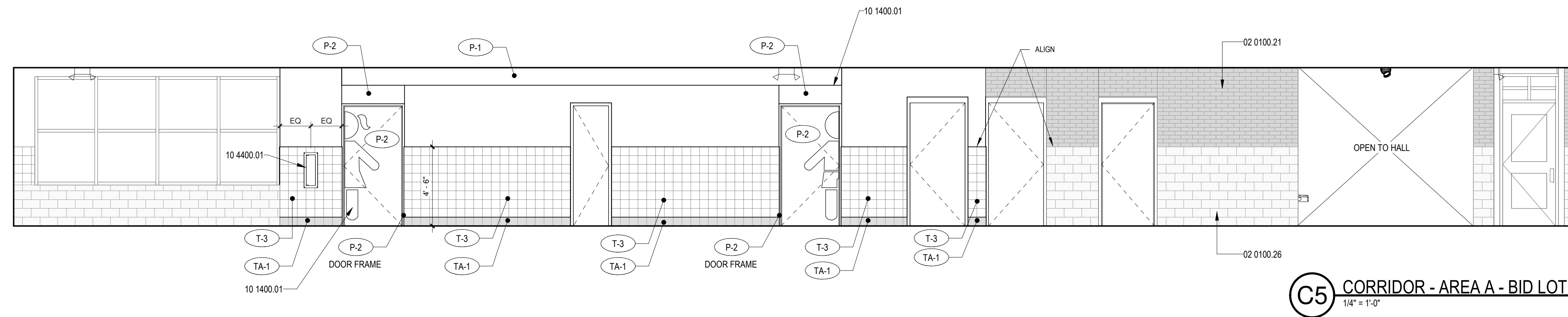
02 0100.21	EXISTING BRICK TO REMAIN
02 0100.26	EXISTING GLAZED BLOCK WAINSCOT TO REMAIN
06 4023.19	CASEWORK CUBBIES: REFERENCE INTERIOR ELEVATIONS AND CASEWORK SECTION FOR FINISHES
09 3000.01	TILE
06 6513.02	6" WALL BASE, RA-2, REFER TO FINISH LEGEND
09 7200.01	CORK WALL COVERING, REFER FINISH LEGEND
09 7200.04	WRAP CORK WALL COVERING AROUND CORNER
10 1400.01	APPLIED VINYL DECAL, REFER TO D04AF101
10 2601.01	FULL HEIGHT STAINLESS STEEL CORNER GUARD AS SPECIFIED
10 4400.01	SURFACE MOUNT FIRE EXTINGUISHER CABINET

LEGEND

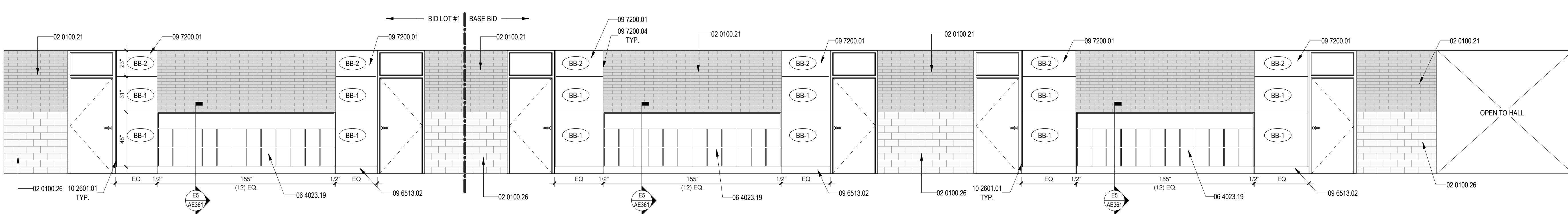
XX-X MATERIAL TAG, REFER TO FINISH SCHEDULE AF101A

10 2813 - TOILET ACCESSORIES

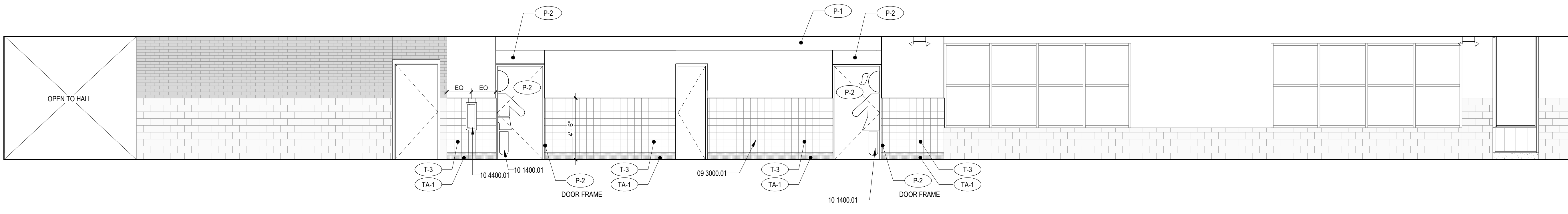
1. PAPER TOWEL DISPENSER, OFCI, COORDINATE LOCATION W/ OWNER BEFORE INSTALLATION
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15. SANITARY NAPKIN DISPOSAL



C5 CORRIDOR - AREA A - BID LOT  
1/4" = 1'-0"



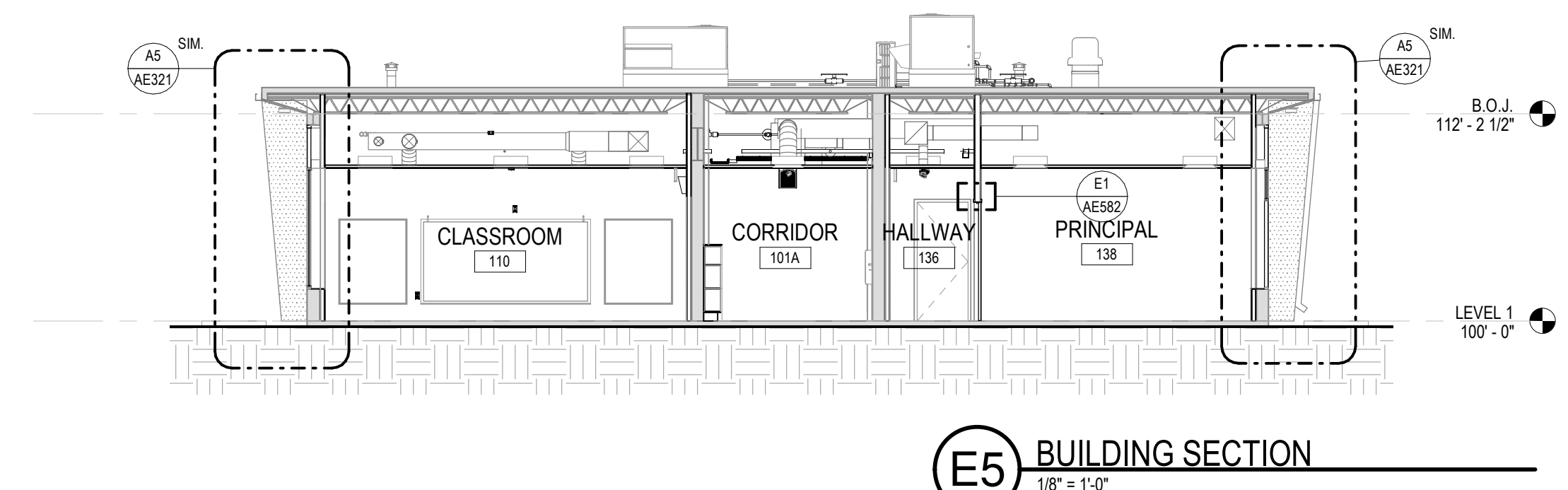
B6 CORRIDOR - AREA B - BID LOT #1  
1/4" = 1'-0"



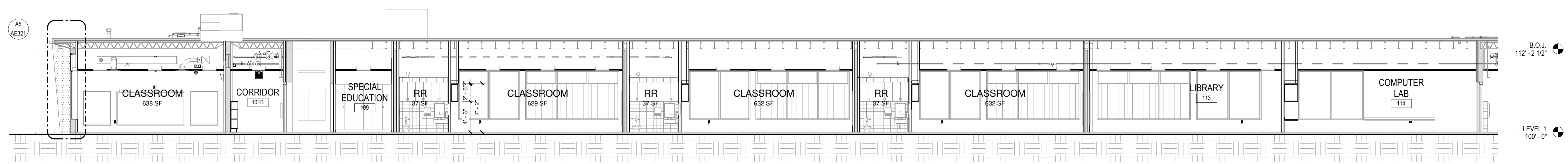
A6 CORRIDOR - AREA B - BID LOT #1  
1/4" = 1'-0"



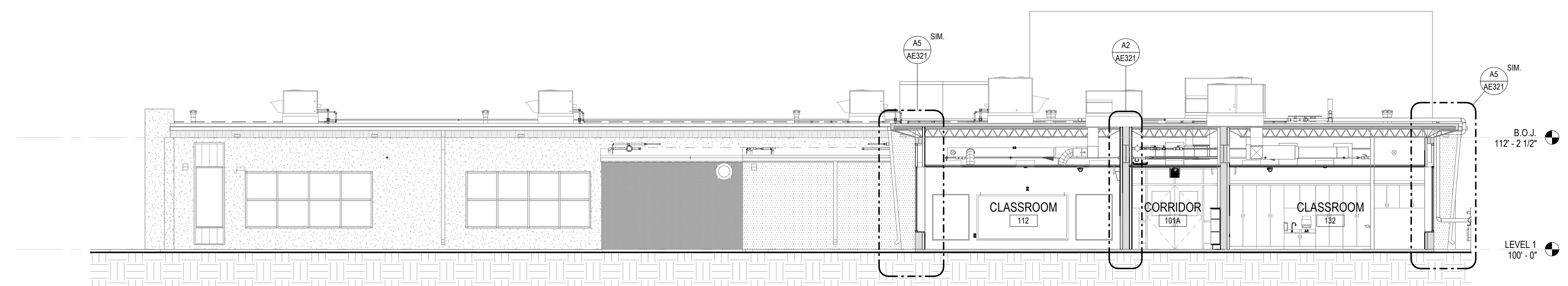
THIS SHEET IS FOR REFERENCE ONLY. BASE BID AND ALL BID LOTS ARE SHOWN TOGETHER FOR CLARITY



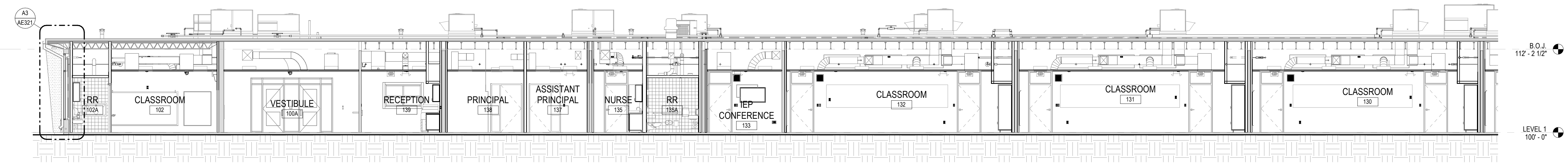
E5 BUILDING SECTION  
1/8" = 1'-0"



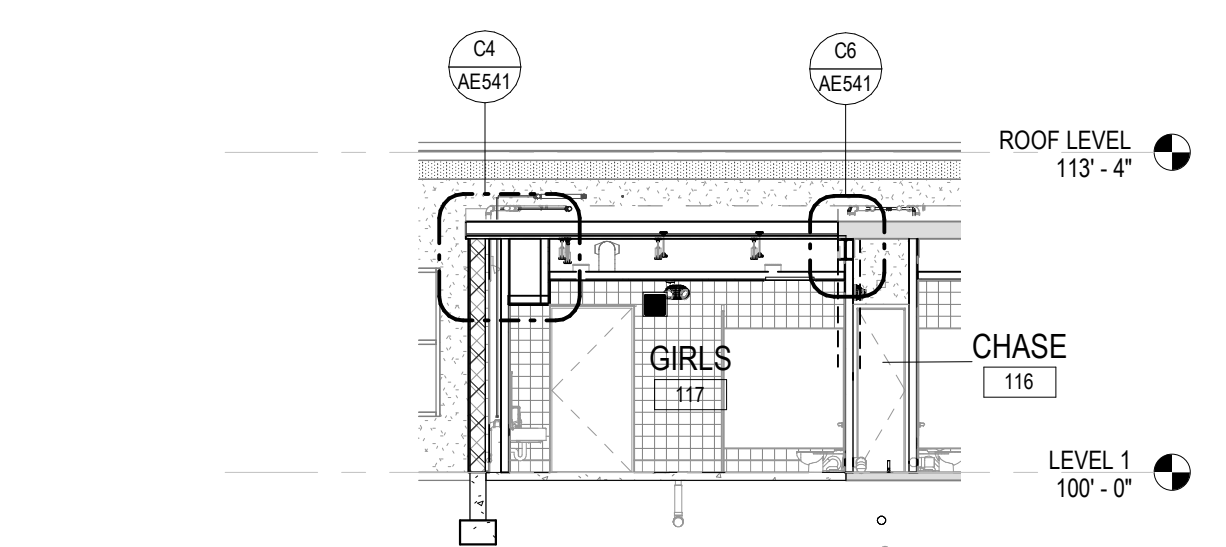
D5 BUILDING SECTION  
1/8" = 1'-0"



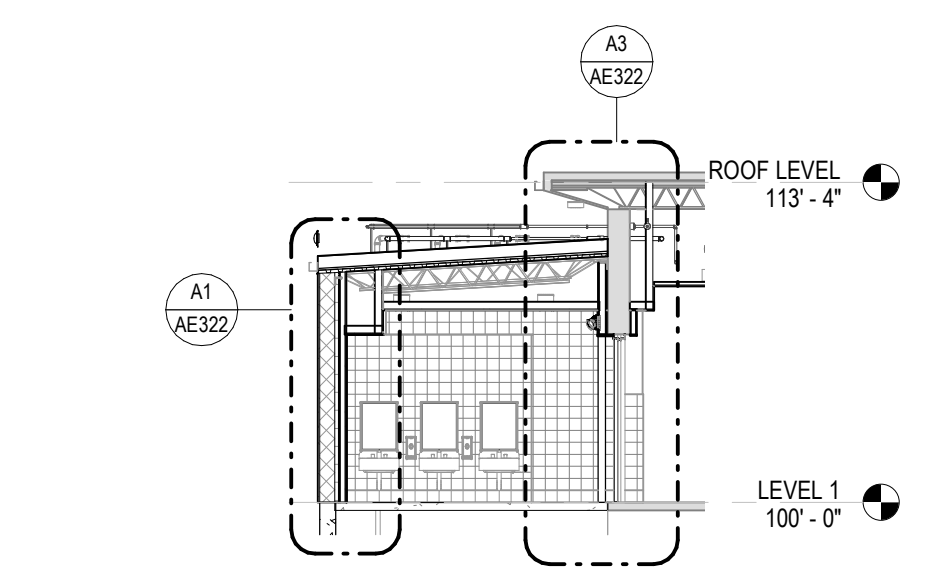
C5 BUILDING SECTION  
1/8" = 1'-0"



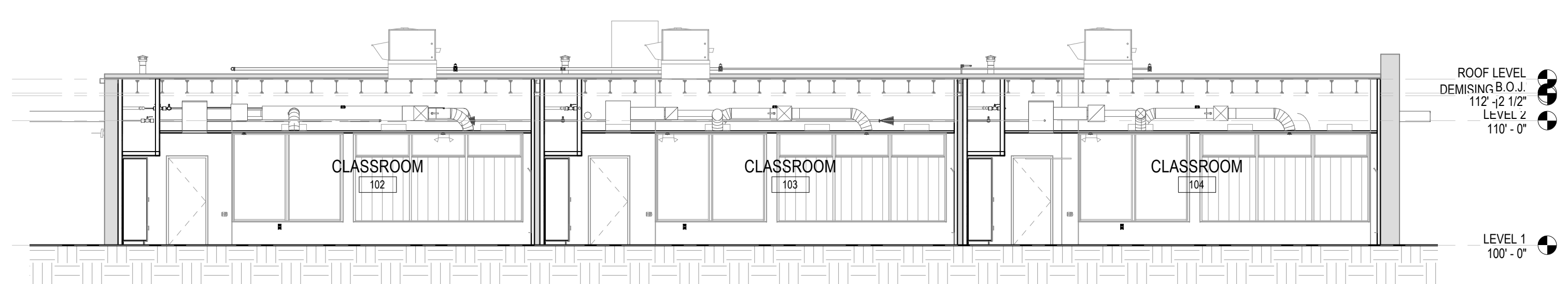
B5 BUILDING SECTION  
1/8" = 1'-0"



A1 BUILDING SECTION  
1/8" = 1'-0"



A2 BUILDING SECTION  
1/8" = 1'-0"



A5 BUILDING SECTION  
1/8" = 1'-0"

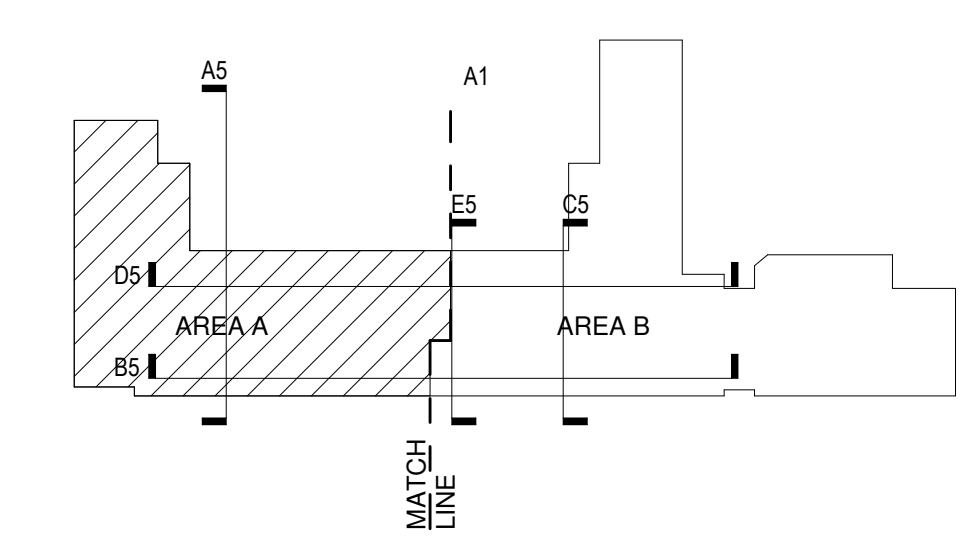
GENERAL SHEET NOTES

- A. MECHANICAL, ELECTRICAL AND PLUMBING RELATED COMPONENTS INDICATED ON THIS SHEET ARE FOR GENERAL INFORMATION ONLY. AND MAY NOT ACCURATELY DEPICT THE EXACT LOCATION OR INTENT OF INSTALLATION. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR MORE INFORMATION.
- B. REFER TO AEO10 FOR INTERIOR PARTITION WALL ASSEMBLIES.
- C. REFER TO CIVIL DRAWINGS FOR FINISH GRADE ELEVATIONS AROUND BUILDING APRON.

REFERENCE KEYNOTES

LEGEND

KEY PLAN



SEAL

PROJECT



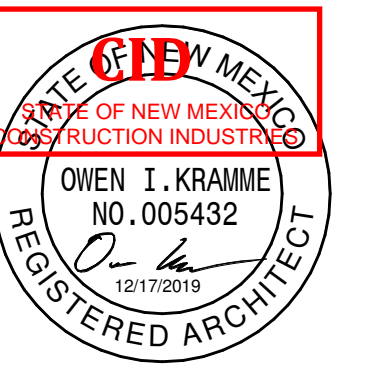
Brown Early Childhood Center  
Old Wing Renovation  
520 W 5th St, Portales, NM 88130

CONSTRUCTION DOCUMENTS

- REVISIONS
- △
  - △
  - △
  - △
  - △
  - △

DRAWN BY	NW
REVIEWED BY	OK
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	BUILDING SECTIONS





SEAL

PROJECT



Brown Early Childhood Center  
Old Wing Renovation  
520 W 5th St, Portales, NM 88130

CONSTRUCTION DOCUMENTS

REVISIONS

- △
- △
- △
- △
- △
- △

Table with columns: DRAWN BY (NW), REVIEWED BY (OK), DATE (12/10/2019), PROJECT NO (18-0032), PSFA PRE-K PROJECT NO (K-18-011), PSFA SYSTEMS PROJECT NO (S-20-008), DRAWING NAME (WALL SECTIONS)

SHEET NO

AE321

GENERAL SHEET NOTES

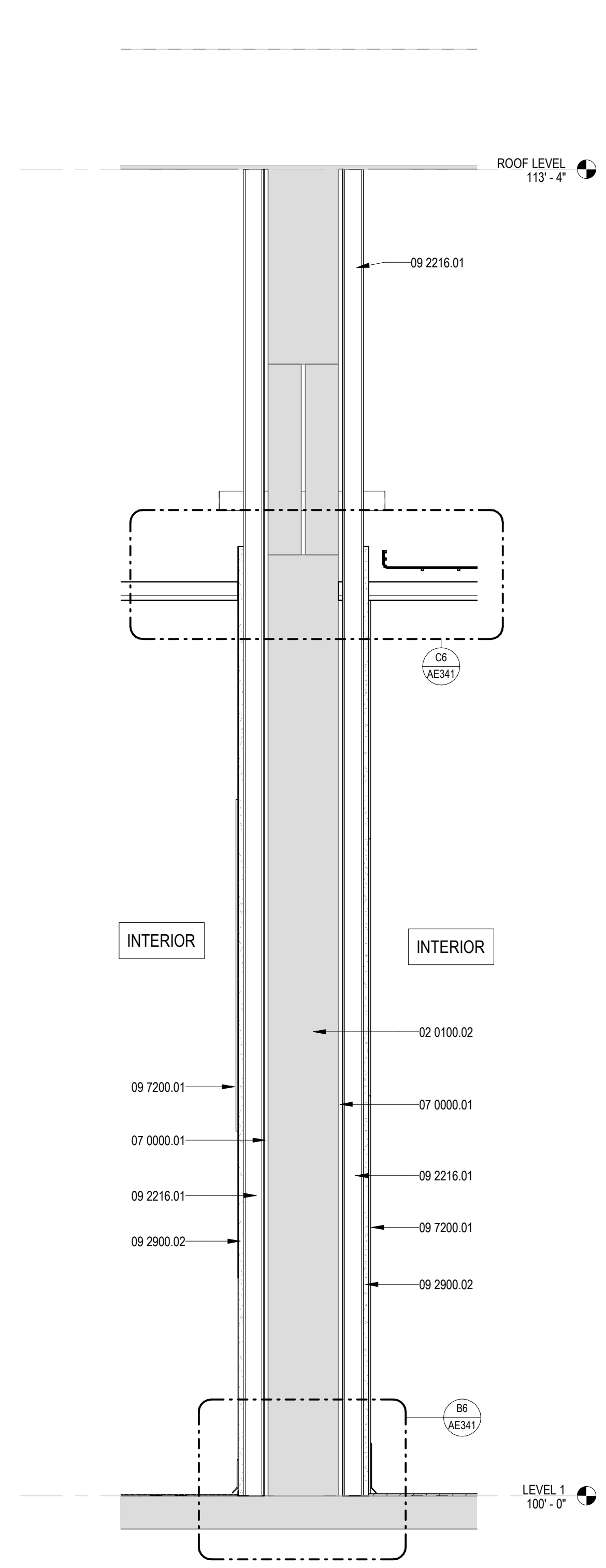
- A. MECHANICAL, ELECTRICAL AND PLUMBING RELATED COMPONENTS INDICATED ON THIS SHEET ARE FOR GENERAL INFORMATION ONLY, AND MAY NOT ACCURATELY DEPICT THE EXACT LOCATION OR INTENT OF INSTALLATION. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR MORE INFORMATION.
B. REFER TO AED10 FOR INTERIOR PARTITION WALL ASSEMBLIES.
C. REFER TO CIVIL DRAWINGS FOR FINISH GRADE ELEVATIONS AROUND BUILDING APRON.
D. AREAS WHERE RIGID INSULATION IS EXPOSED NEED TO BE COVERED WITH 5/8" GYPSUM WALLBOARD ON 2 1/2" METAL STUDS.
E. PROVIDE MOISTURE RESISTANT GYPSUM BOARD AT ALL WET AND TILE WALLS.

REFERENCE KEYNOTES

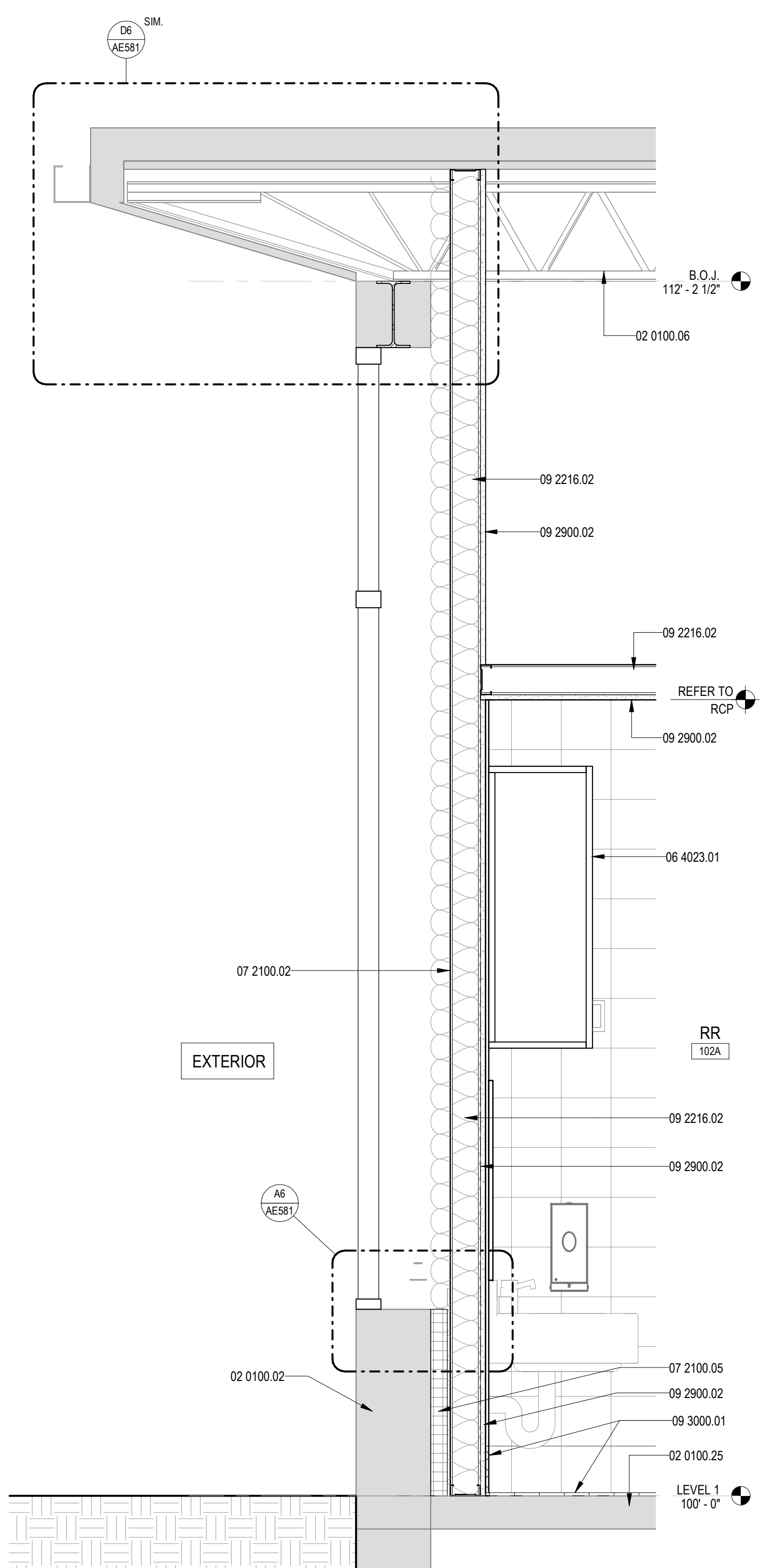
Table with columns: Keynote ID and Description. Includes items like 0.11 WALL BEYOND, 02 0100.02 EXISTING WALL TO REMAIN, 02 0100.05 EXISTING STEEL JOIST TO REMAIN, etc.

LEGEND

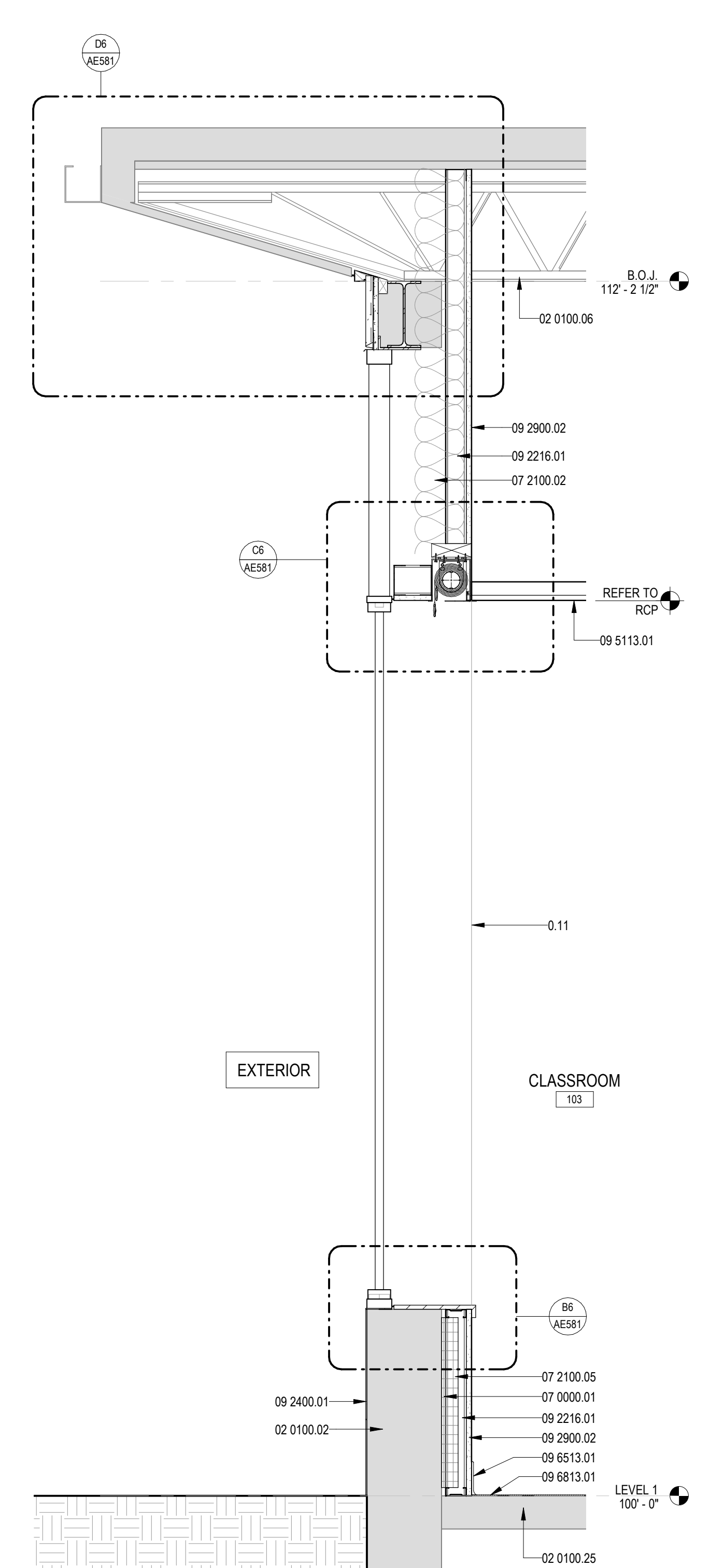
- EXISTING TO REMAIN (represented by a grey square)
BATT INSULATION (represented by a wavy pattern)



A2 WALL SECTION  
1" = 1'-0"



A3 WALL SECTION  
1" = 1'-0"



A5 WALL SECTION  
1" = 1'-0"





NOT FOR CONSTRUCTION  
SEAL



Brown Early Childhood Center  
Old Wing Renovation  
520 W 5th St, Portales, NM 88130

CONSTRUCTION DOCUMENTS

REVISIONS table with 5 empty rows for tracking changes.

Metadata table including fields for DRAWN BY (NW), REVIEWED BY (OK), DATE (12/10/2019), PROJECT NO (18-0032), PSFA PRE-K PROJECT NO (K-18-011), PSFA SYSTEMS PROJECT NO (S-20-008), and DRAWING NAME.

WALL SECTIONS

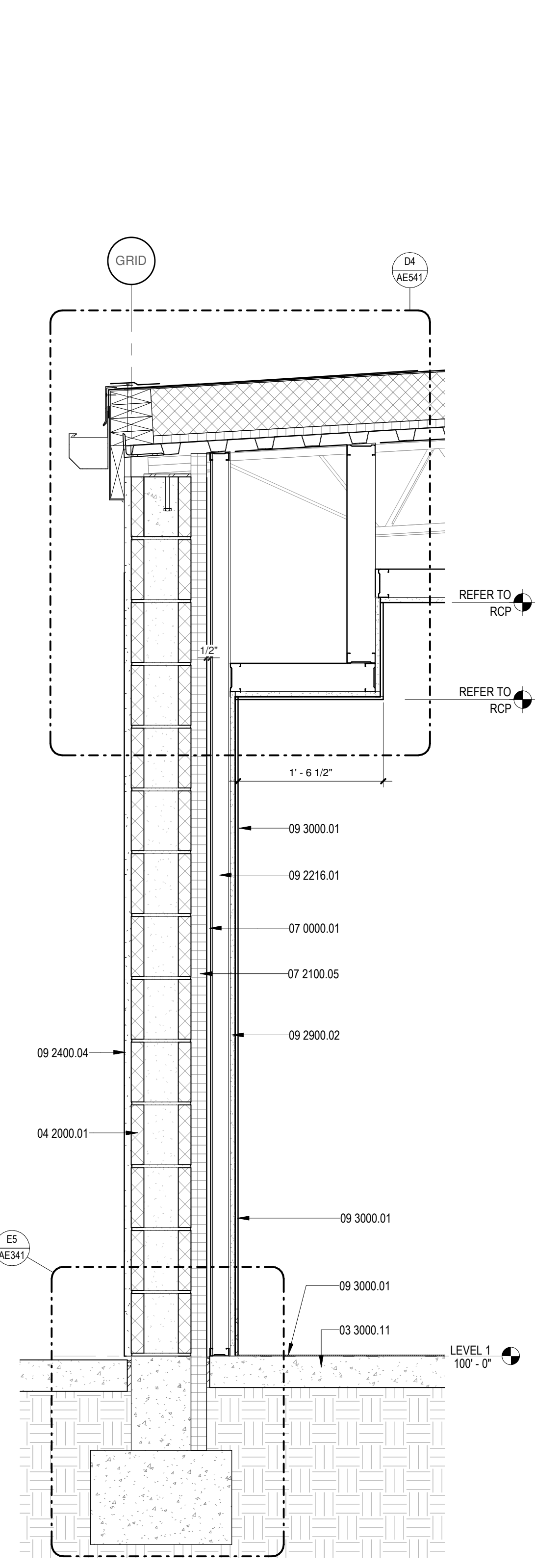
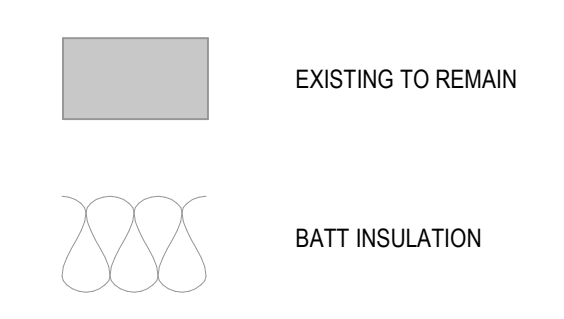
GENERAL SHEET NOTES

- A. MECHANICAL, ELECTRICAL AND PLUMBING RELATED COMPONENTS INDICATED ON THIS SHEET ARE FOR GENERAL INFORMATION ONLY...
B. REFER TO AE10 FOR INTERIOR PARTITION WALL ASSEMBLIES.
C. REFER TO CIVIL DRAWINGS FOR FINISH GRADE ELEVATIONS AROUND BUILDING APRON.
D. AREAS WHERE RIGID INSULATION IS EXPOSED NEED TO BE COVERED WITH 5/8" GYPSUM WALLBOARD ON 2 1/2" METAL STUDS.
E. PROVIDE MOISTURE RESISTANT GYPSUM BOARD AT ALL WET AND TILE WALLS.

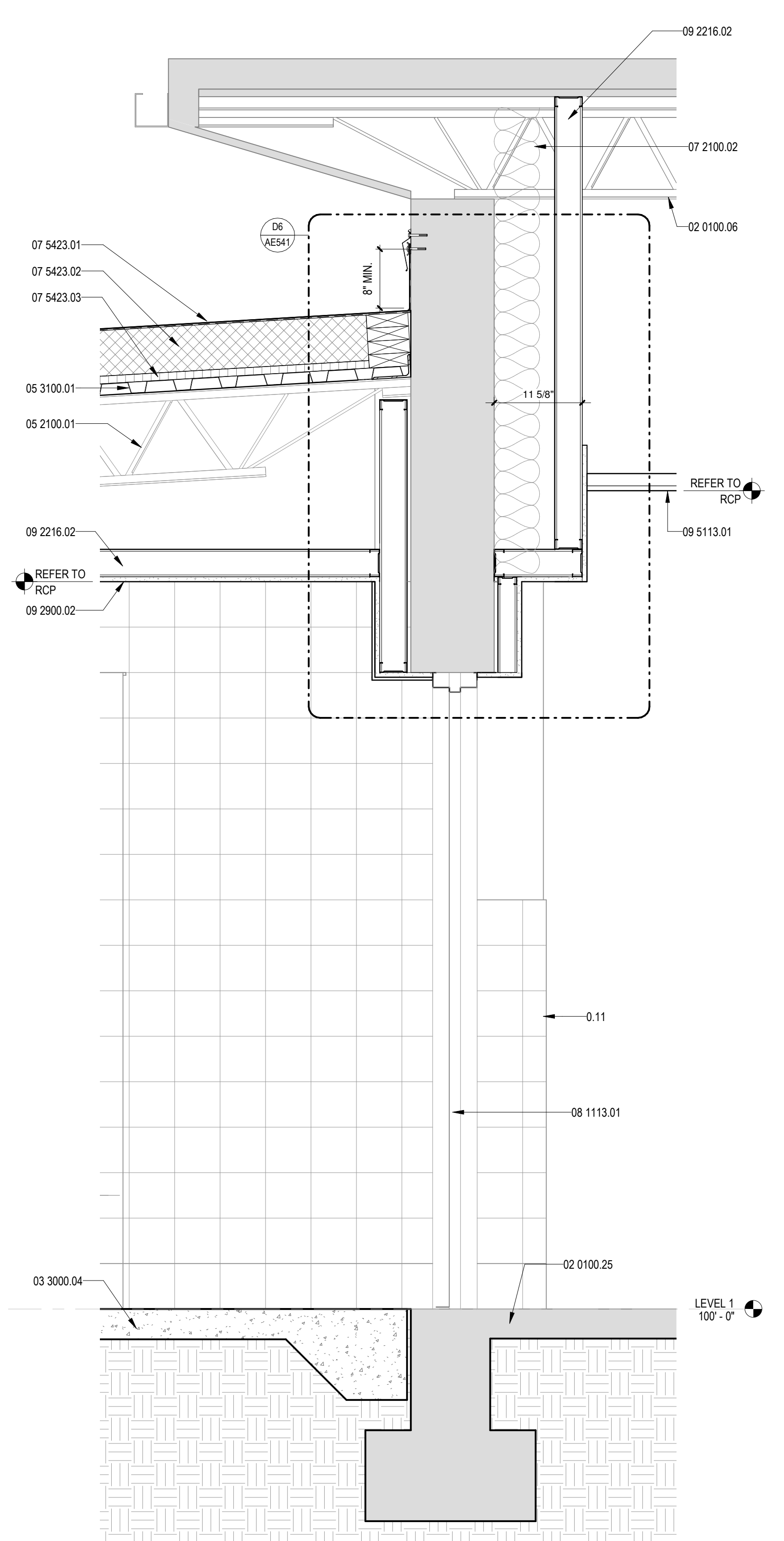
REFERENCE KEYNOTES

Table of reference keynotes including items like 0110.01 WALL BEYOND, 020100.02 EXISTING WALL TO REMAIN, 020100.06 EXISTING STEEL JOIST TO REMAIN, 020100.25 EXISTING CONCRETE SLAB TO REMAIN, 030000.04 CONCRETE SLAB ON GRADE, 030000.11 1/2" CHAMFERED EDGE, 042000.01 8" CONCRETE MASONRY UNIT, 052100.01 STEEL JOIST, 053100.01 STEEL ROOF BEAMING, 054000.01 3/8" METAL STUD, 070000.01 AIR GAP, 072100.02 BATT INSULATION, 072100.05 2" RIGID INSULATION, 075423.01 THERMOPLASTIC-POLYOLEFIN ROOFING, 075423.02 TWO LAYERS FOAM BOARD ROOF INSULATION, 075423.03 COVER BOARD, 081113.01 HOLLOW METAL DOOR AND FRAME, 092216.01 2 1/2" METAL STUD, 092216.02 3/8" METAL STUD, 092400.04 NEW PORTLAND CEMENT PLASTER (STUCCO), 092900.02 5/8" GYPSUM WALLBOARD, 093000.01 TILE, 095113.01 ACOUSTICAL CEILING SYSTEM.

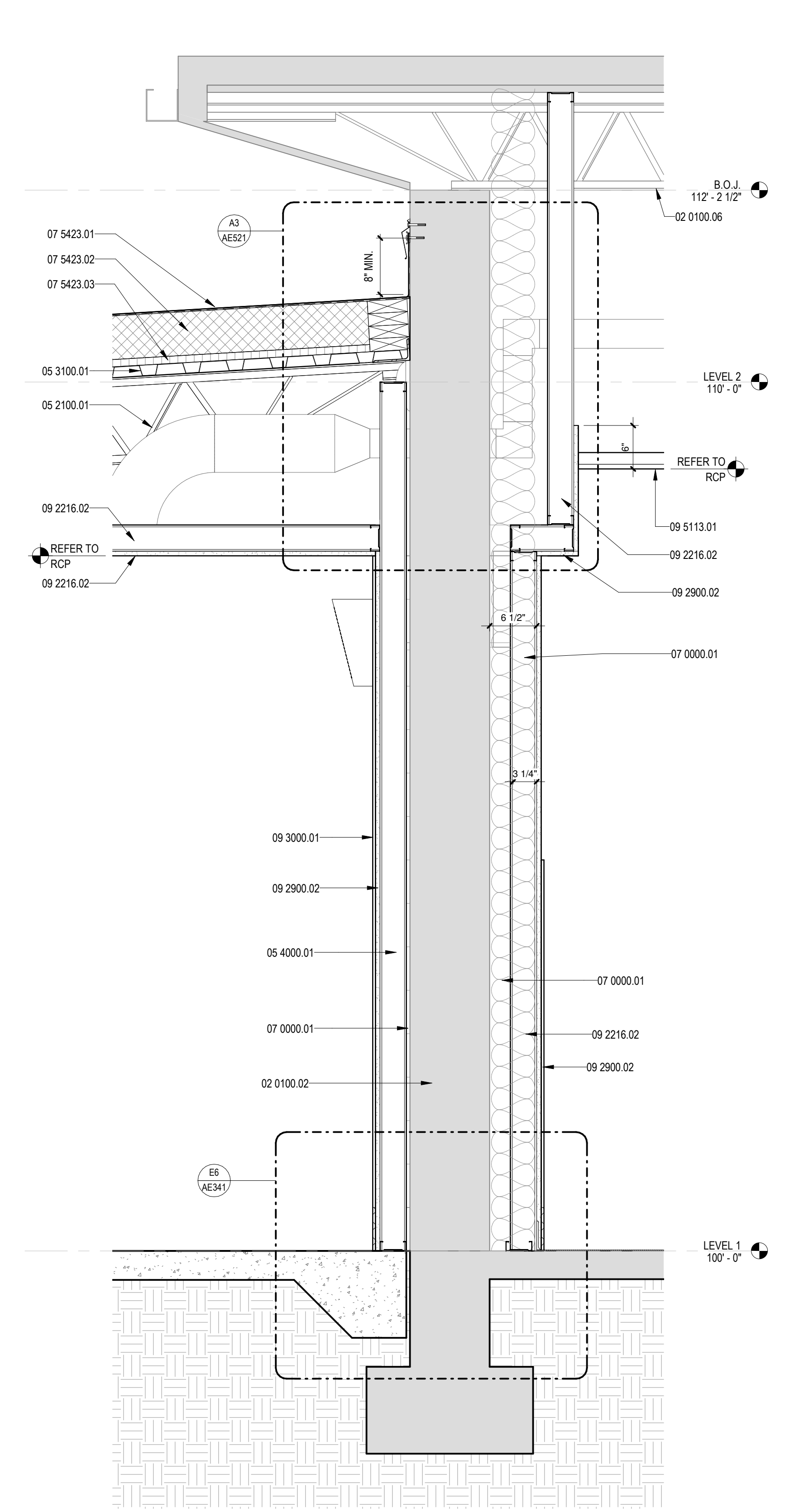
LEGEND



A1 WALL SECTION - BID LOT #1  
1" = 1'-0"

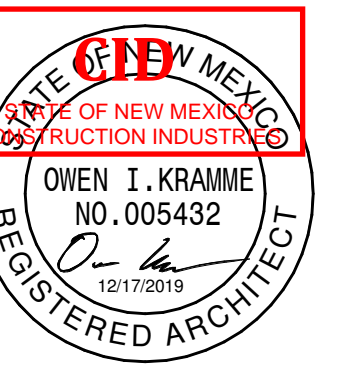


A3 WALL SECTION - BID LOT #1  
1" = 1'-0"



A5 WALL SECTION - BID LOT #1  
1" = 1'-0"





SEAL

PROJECT



Brown Early Childhood Center  
Old Wing Renovation  
520 W 5th St, Portales, NM 88130

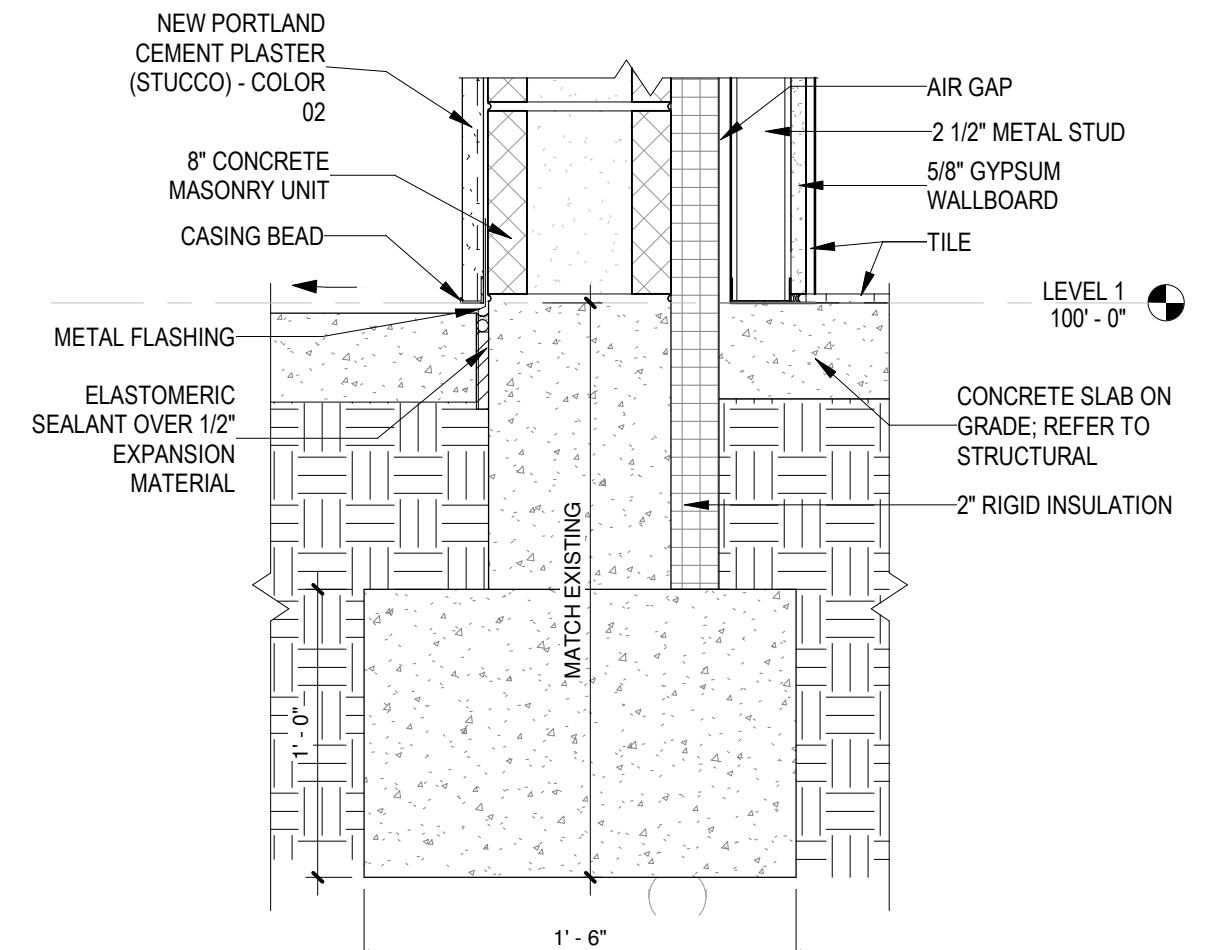
CONSTRUCTION DOCUMENTS

REVISIONS	
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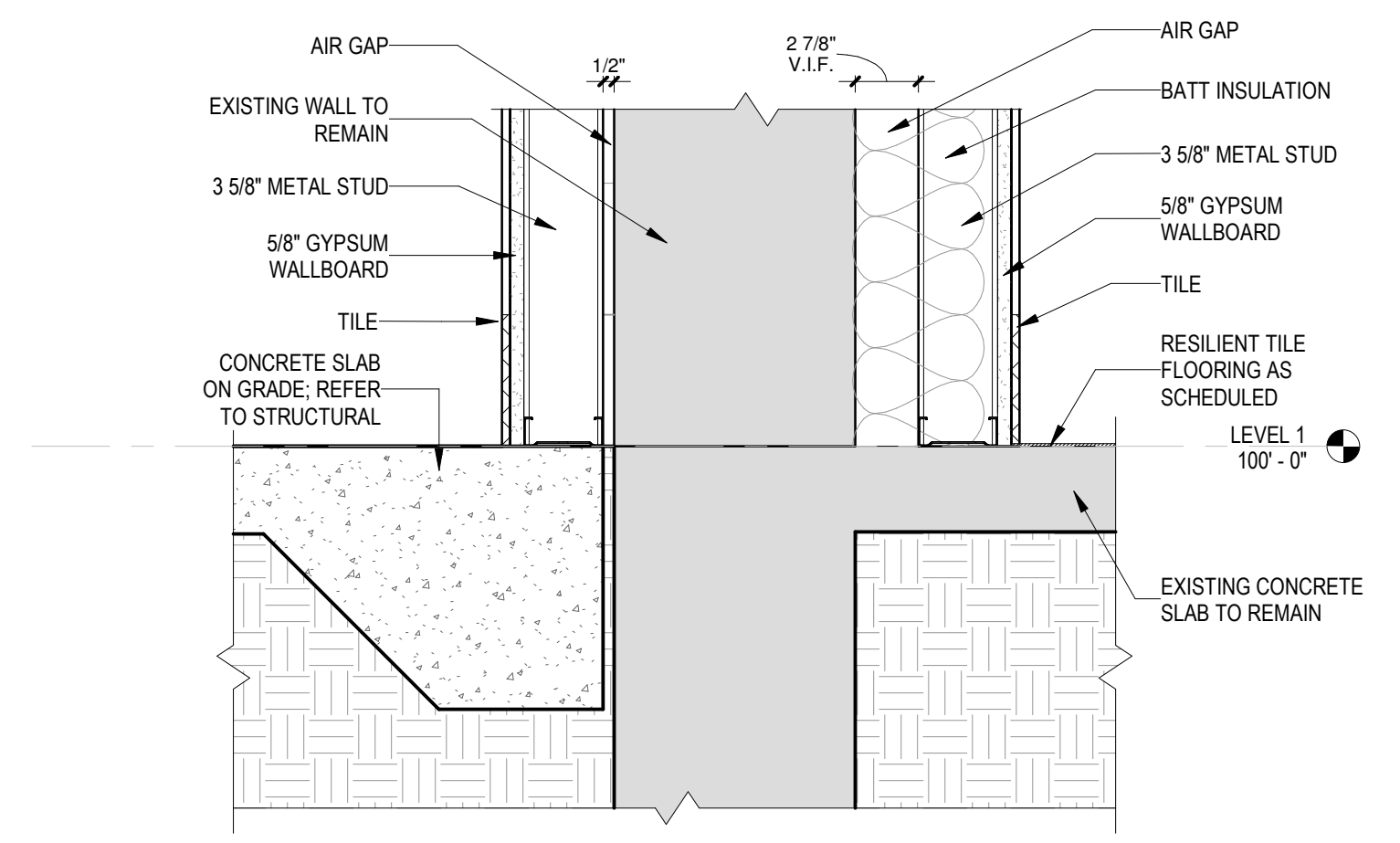
DRAWN BY	NW
REVIEWED BY	OK
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

WALL SECTION DETAILS

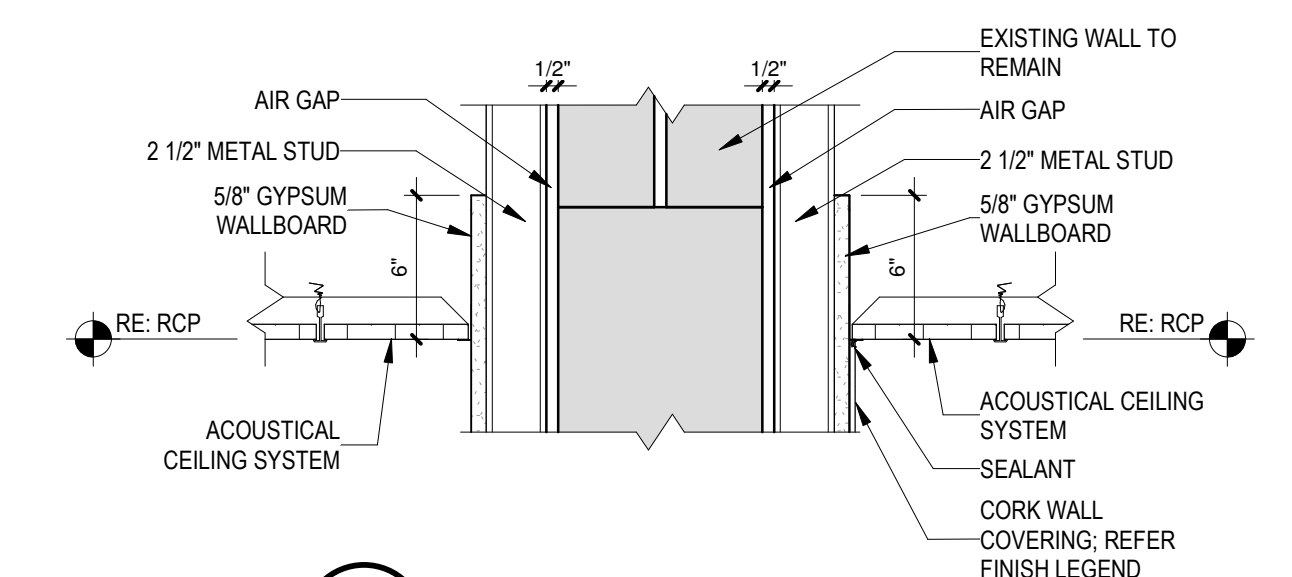
SHEET NO  
AE341



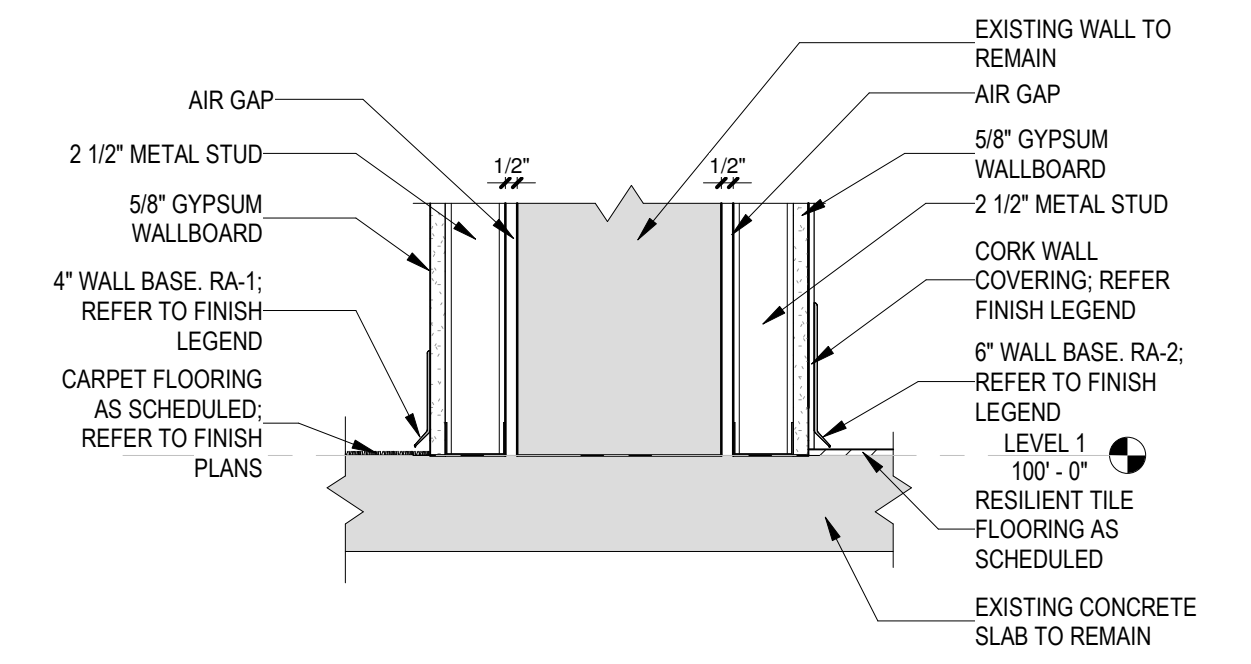
E5 DETAIL - BID LOT #1  
1/12" = 1'-0"



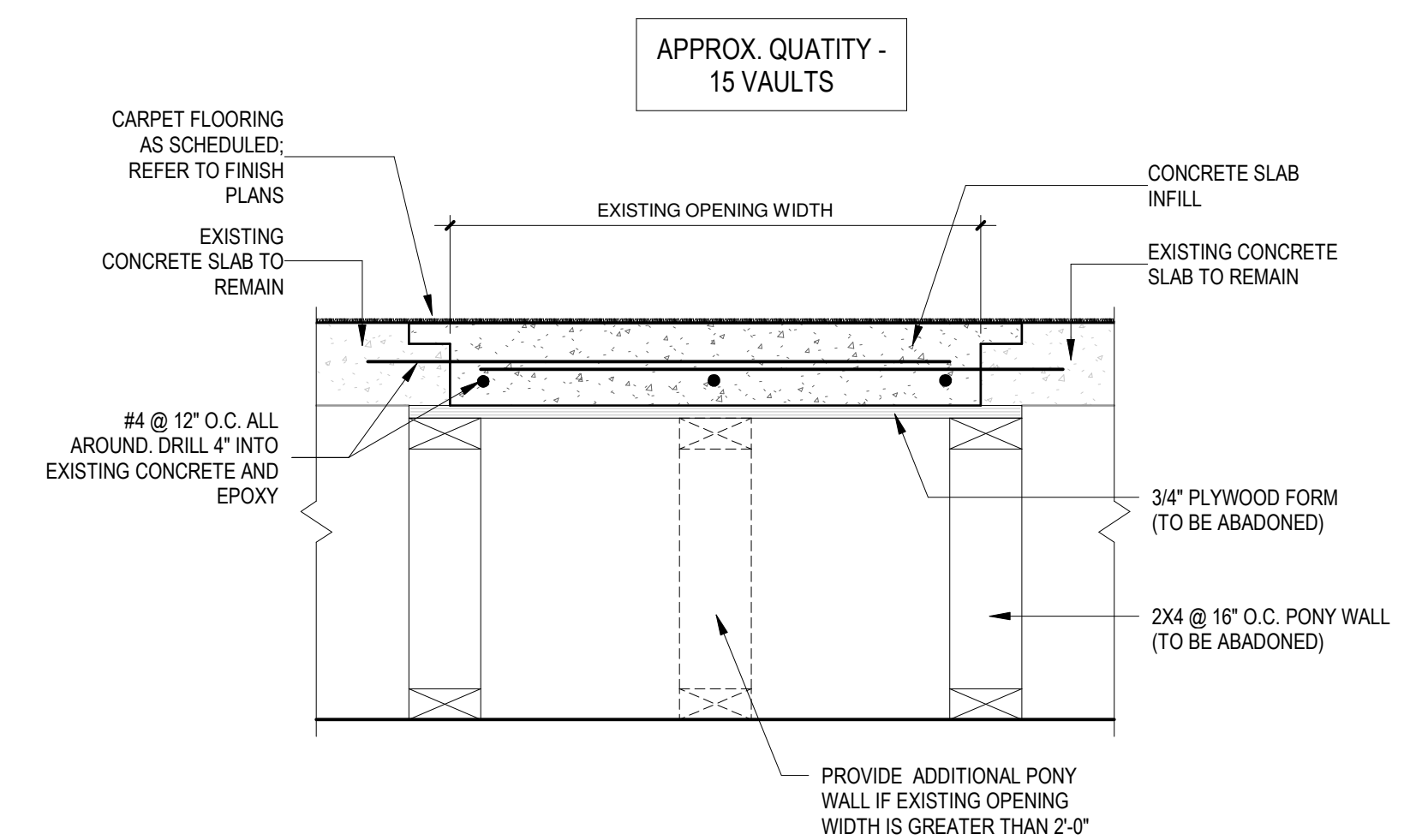
E6 DETAIL - BID LOT #1  
1/12" = 1'-0"



C6 DETAIL  
1/12" = 1'-0"

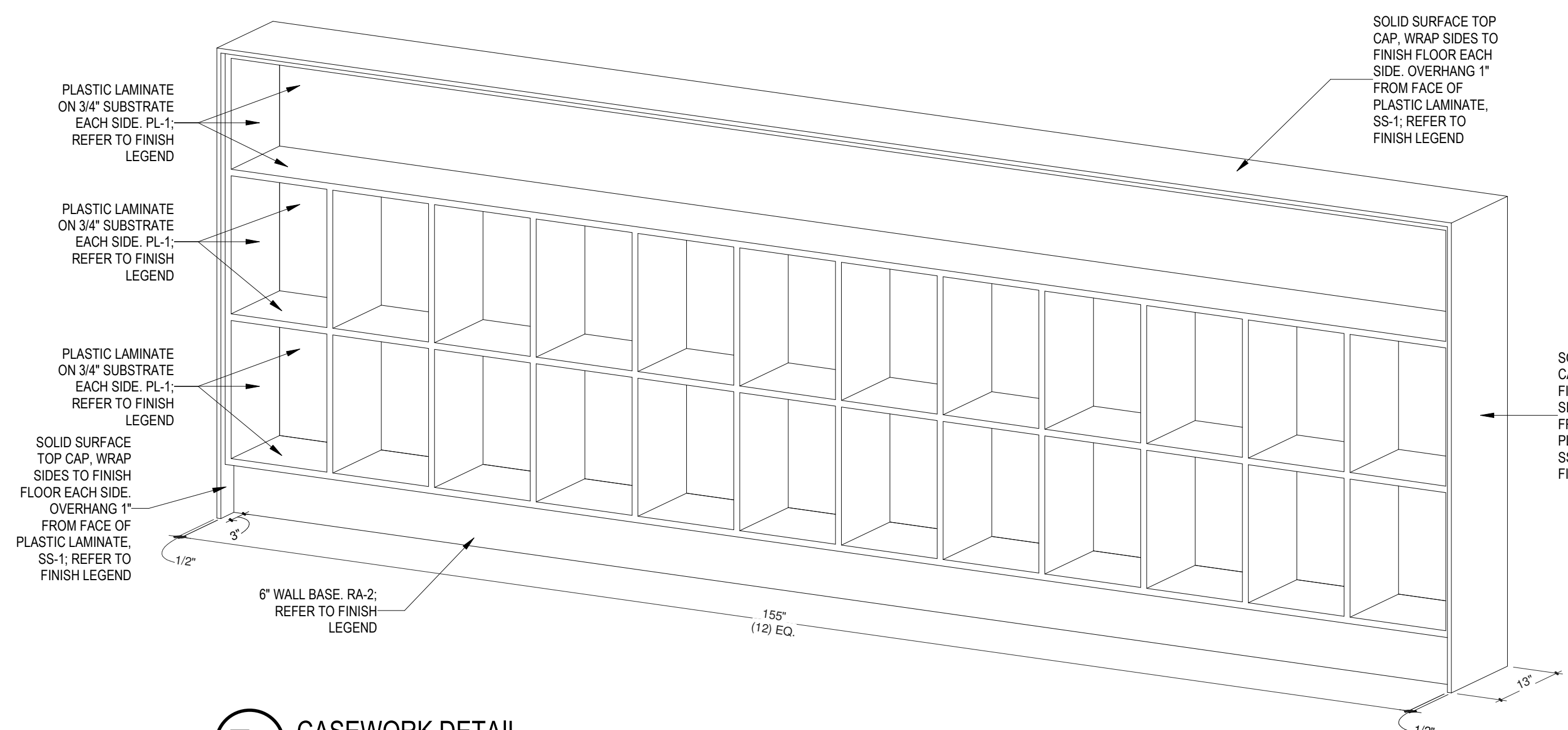


B6 DETAIL  
1/12" = 1'-0"

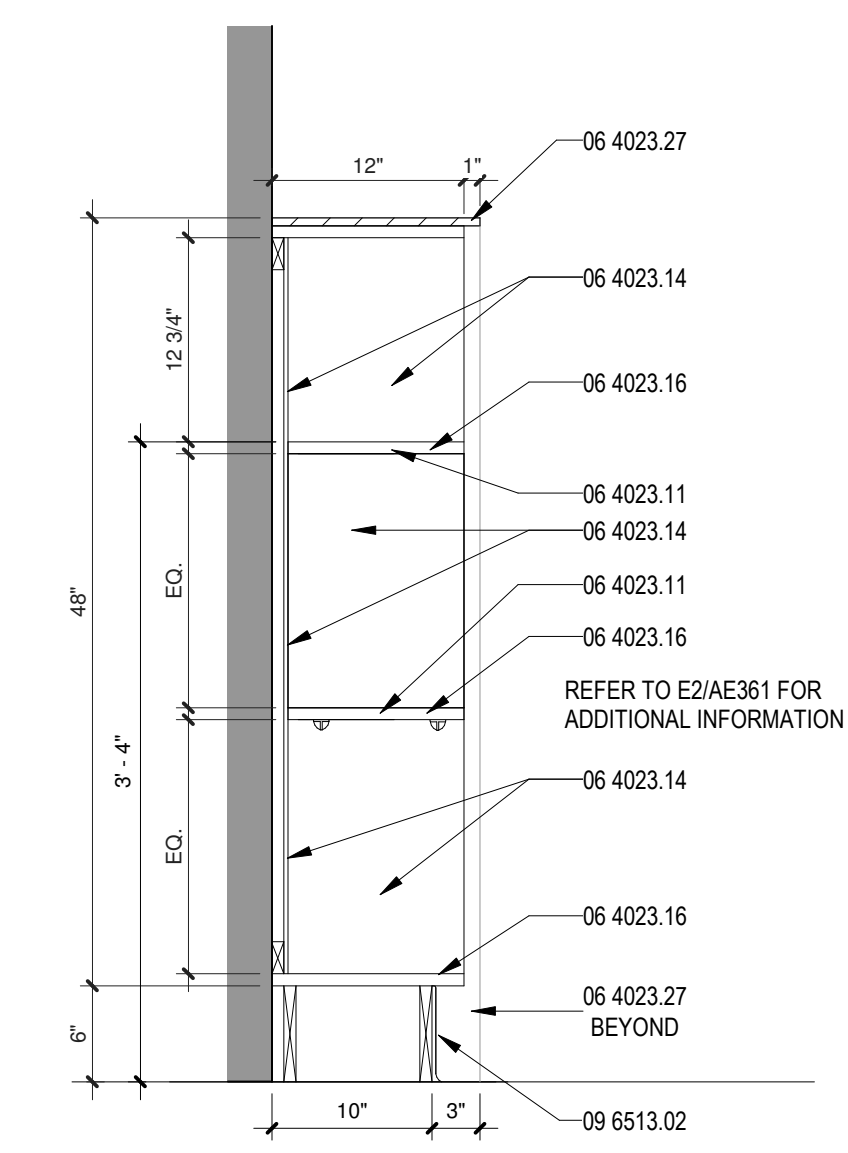


A4 DETAIL  
1/12" = 1'-0"





**E2 CASEWORK DETAIL**



**E5 CASEWORK SECTION**  
1" = 1'-0"

**GENERAL SHEET NOTES**

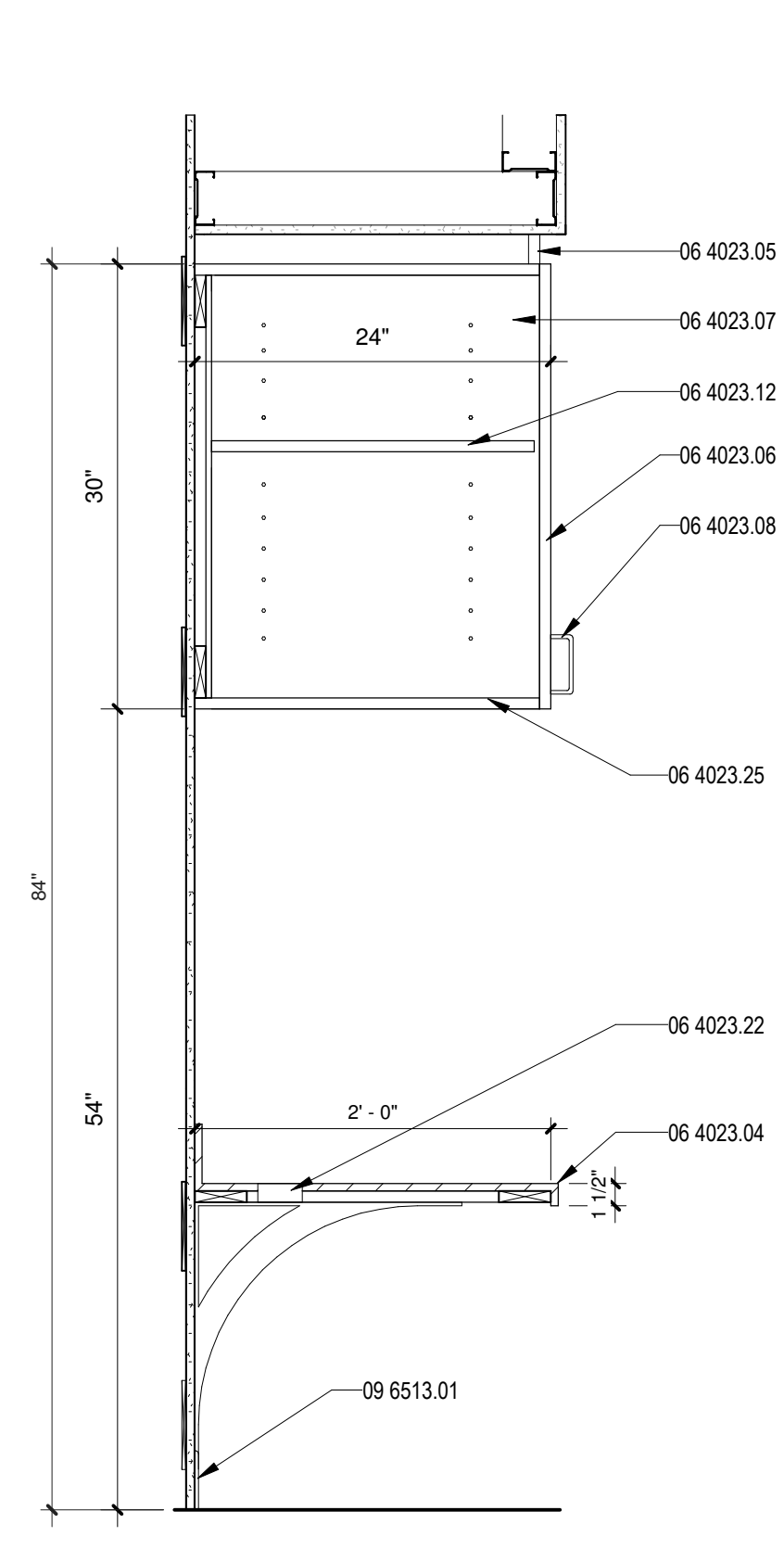
- A. ALL DIMENSIONS ARE TO FINISHED FACE UNO
- B. PROVIDE BLOCKING AS REQUIRED INSIDE OF WOODWORK
- C. ALL CABINETS, DOORS AND DRAWERS TO BE OF COMPCORE CONSTRUCTION. PLYWOOD CORE WITH MELAMINE FINISH
- D. ALL OPEN SHELVING UNITS TO RECEIVE PLASTIC LAMINATE FINISH ON ALL EXPOSED SURFACES UNO
- E. COORDINATE WOODWORK WITH SOFFIT LOCATION SHOWN IN REFLECTED CEILING PLANS. NOT ALL SOFFITS SHOWN IN WOODWORK SECTION. ALL WOODWORK UNDER 72" AFF SOFFITS TO RECEIVE SCRIBED FILLER
- F. ALL DOORS, DRAWERS, AND FIXED SHELVING UNITS TO RECEIVE PVC EDGE. COLOR PER SPECIFICATION
- G. REFERENCE INTERIOR ELEVATIONS FOR FINISH INFORMATION
- H. VERIFY OVERALL HEIGHT IN FIELD WHERE WOODWORK IS LOCATED UNDER SOFFITS PRIOR TO FABRICATION
- I. PROVIDE BLOCKING IN WALL AS REQUIRED FOR ALL WOODWORK
- J. PROVIDE COUNTER SUPPORTS EVERY 30" AT MINIMUM
- K. ALL CABINET SHELF UNITS OVER 30" REQUIRE MIDDLE VERTICAL SUPPORT
- L. PROVIDE CONTINUOUS SOLID BACKING UNDER COUNTERTOP FOR FULL LENGTH OF SUPPORT
- M. ALL SOLID SURFACE TO BE SS-1
- N. ALL PLASTIC LAMINATE TO BE PL-1

**REFERENCE KEYNOTES**

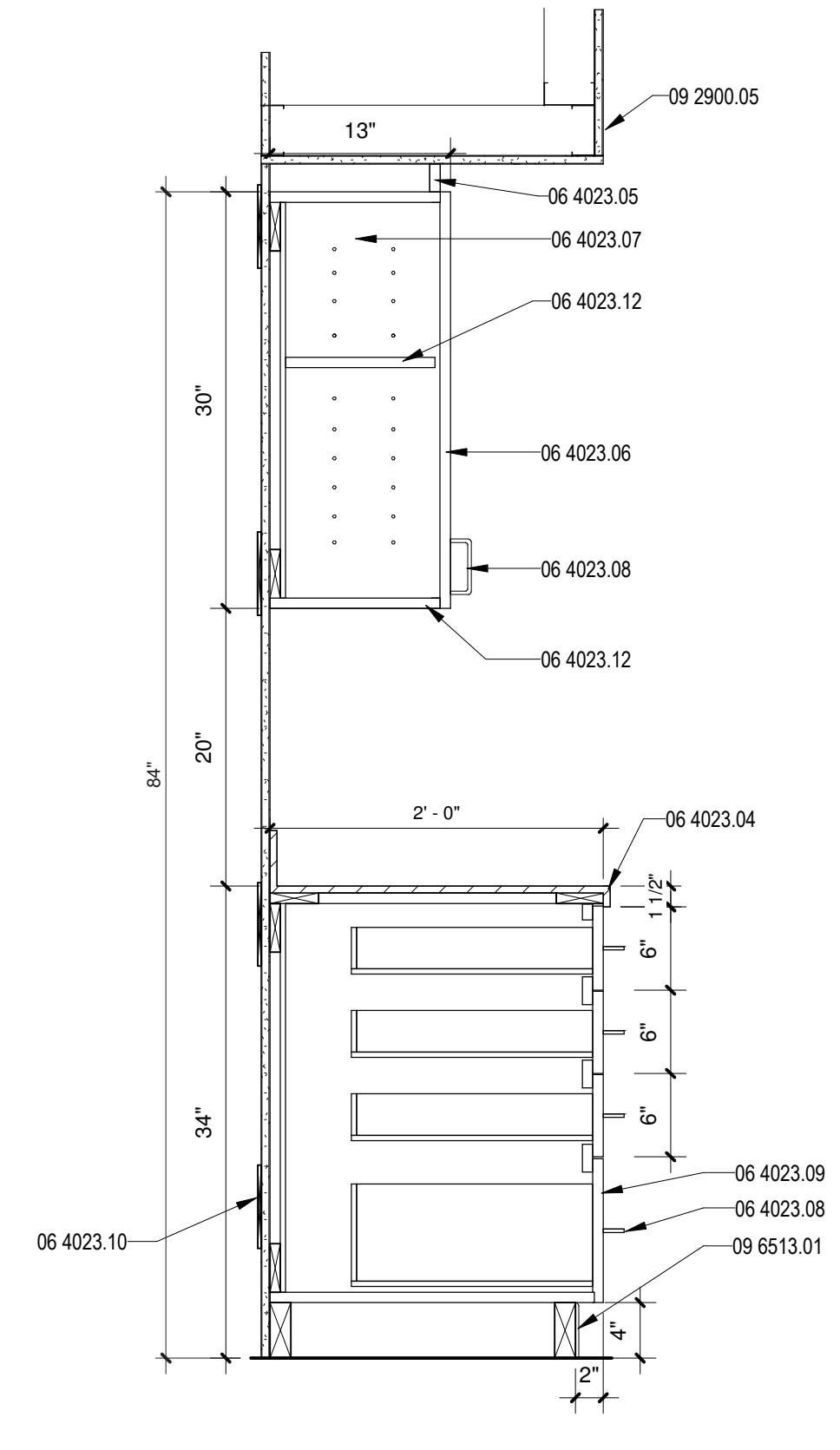
06 4023.04	SOLID SURFACE COUNTERTOP W/ 4" BACKSPLASH AND SIDE SPLASH WHERE APPLICABLE. SS-1; REFER TO FINISH LEGEND
06 4023.05	PLASTIC LAMINATE FILLER, SCRIBE AS REQUIRED
06 4023.06	PLASTIC LAMINATE DOOR WITH CONCEALED HINGE
06 4023.07	MELAMINE FINISH
06 4023.08	4" DOOR/DRAWER WIRE PULL, TYP.
06 4023.09	PLASTIC LAMINATE FULL EXTENSION DRAWER
06 4023.10	BLOCKING AS REQUIRED
06 4023.11	FIXED SHELF WITH PLASTIC LAMINATE FINISH ALL SIDES. PL-1; REFER TO FINISH LEGEND
06 4023.12	ADJUSTABLE SHELF WITH MELAMINE FINISH
06 4023.13	VERTICAL DIVIDER BEYOND
06 4023.14	PLASTIC LAMINATE FINISH, SIDES AND BACK. PL-1; REFER TO FINISH LEGEND
06 4023.15	PLASTIC LAMINATE REMOVABLE PANEL, ALL FASTENERS TO BE CONCEALED, BRACE AS REQUIRED
06 4023.16	PLASTIC LAMINATE ON 3/4" SUBSTRATE EACH SIDE. PL-1; REFER TO FINISH LEGEND
06 4023.22	3" GROMMET, QUANTITY AND SPACING TO MATCH ELECTRICAL OUTLETS BELOW
06 4023.25	PLASTIC LAMINATE FINISH, BOTTOM
06 4023.26	SOLID SURFACE TOP CAP W/ 1 1/2" OVERHANG EACH SIDE. SS-1; REFER TO FINISH LEGEND
06 4023.27	SOLID SURFACE TOP CAP. WRAP SIDES TO FINISH FLOOR EACH SIDE. OVERHANG 1" FROM FACE OF PLASTIC LAMINATE. SS-1; REFER TO FINISH LEGEND
09 2900.05	GYPSUM BOARD SOFFIT, REF CEILING PLANS FOR LOCATIONS
09 3000.01	TILE
09 6513.01	4" WALL BASE. RA-1; REFER TO FINISH LEGEND
09 6513.02	6" WALL BASE. RA-2; REFER TO FINISH LEGEND
09 7200.01	CORK WALL COVERING. REFER FINISH LEGEND
22 4000.06	SINK. REFER TO PLUMBING
22 4000.07	SINK WITH BUBBLER. REFER TO PLUMBING

**LEGEND**

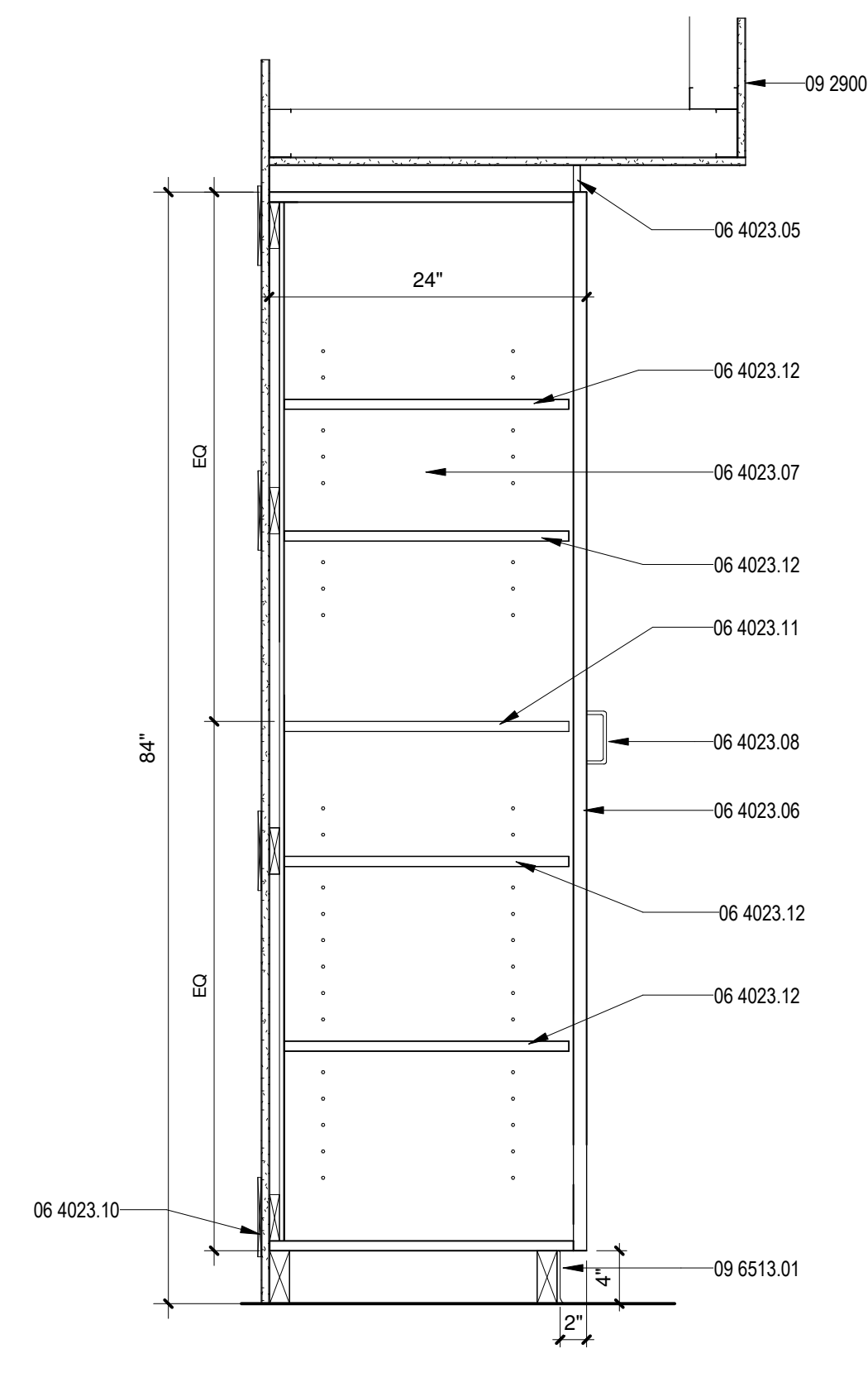
XX-X MATERIAL TAG. REFER TO FINISH SCHEDULE AF101A



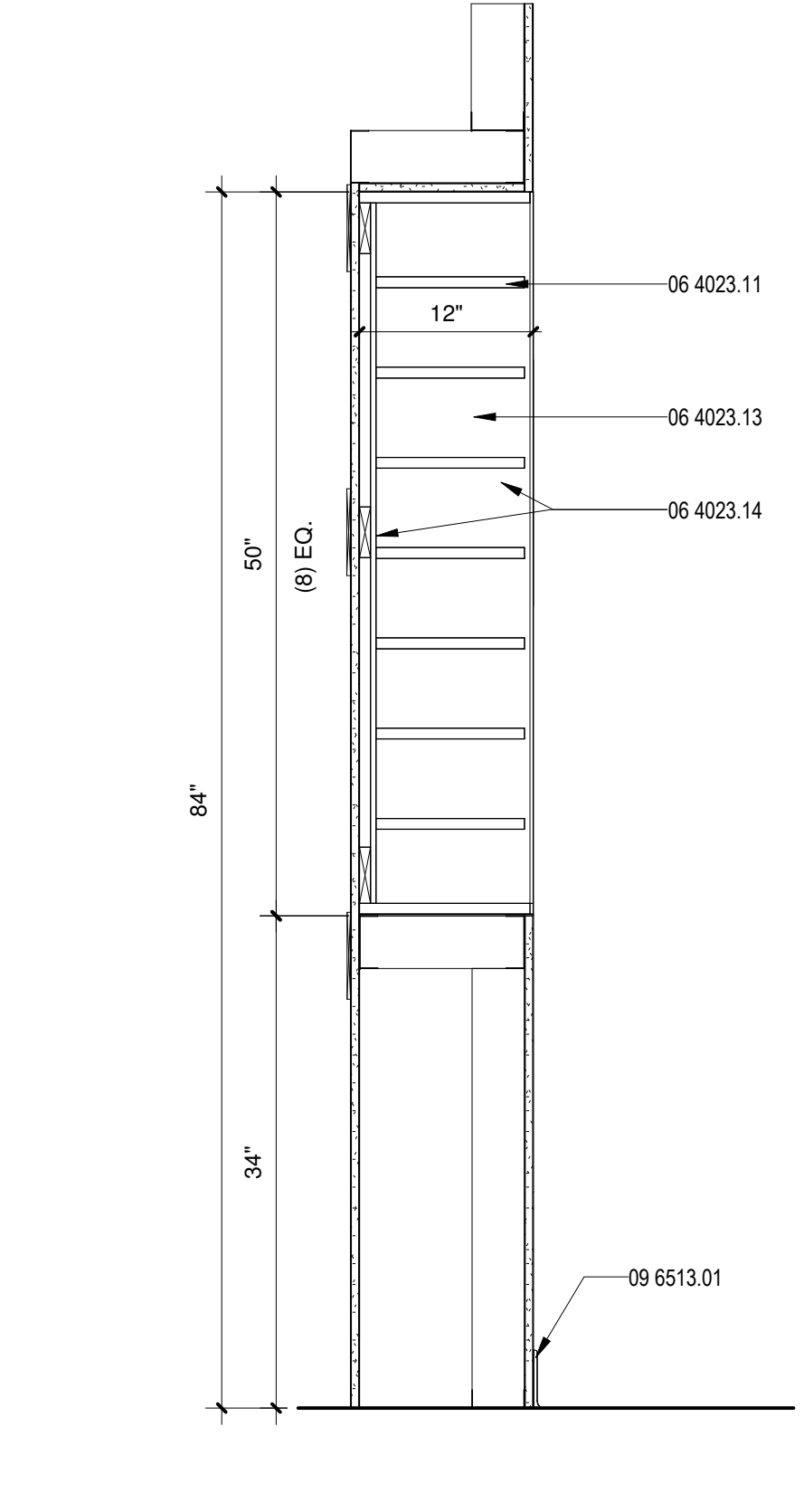
**C1 CASEWORK SECTION**  
1" = 1'-0"



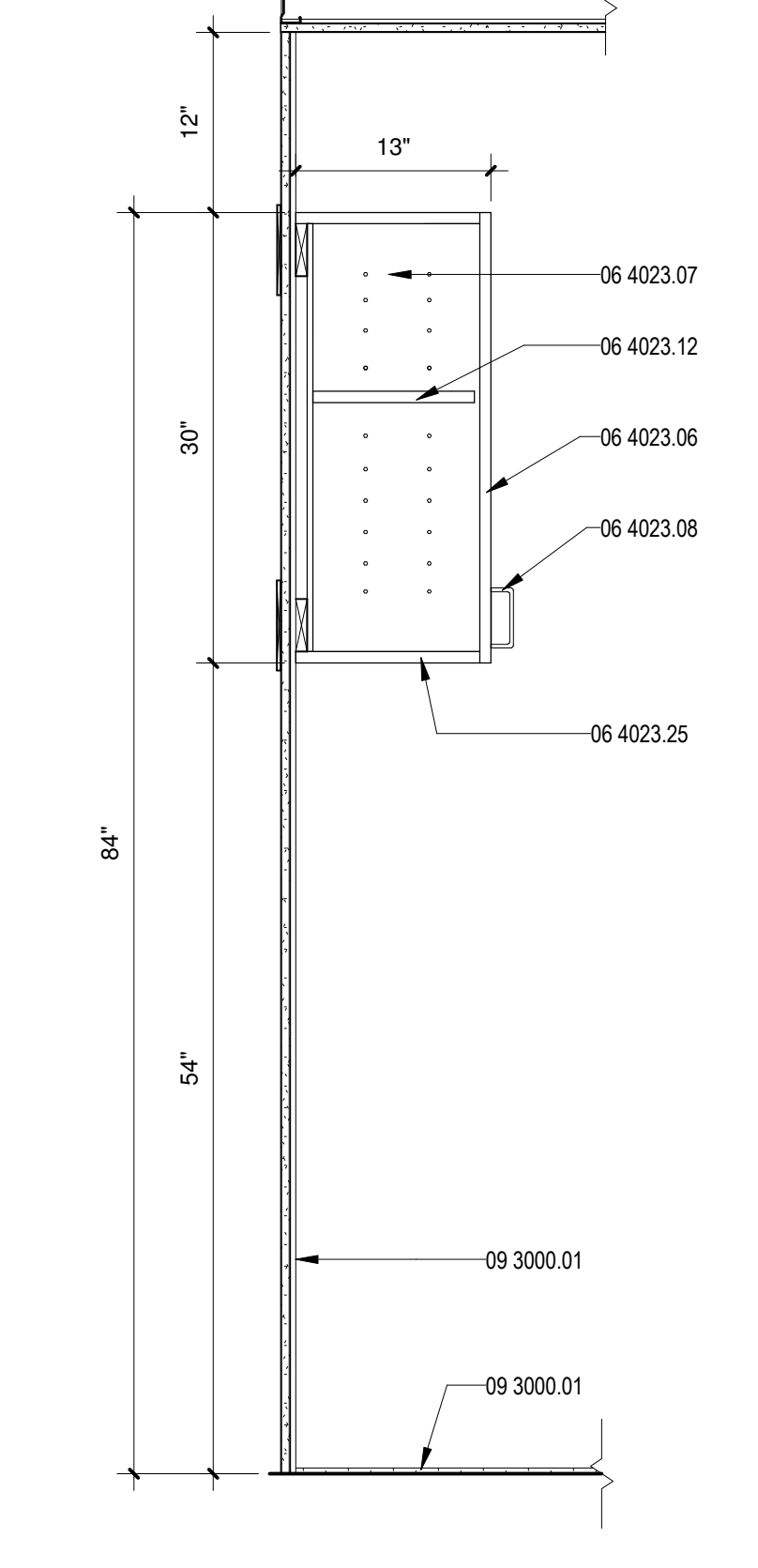
**C2 CASEWORK SECTION**  
1" = 1'-0"



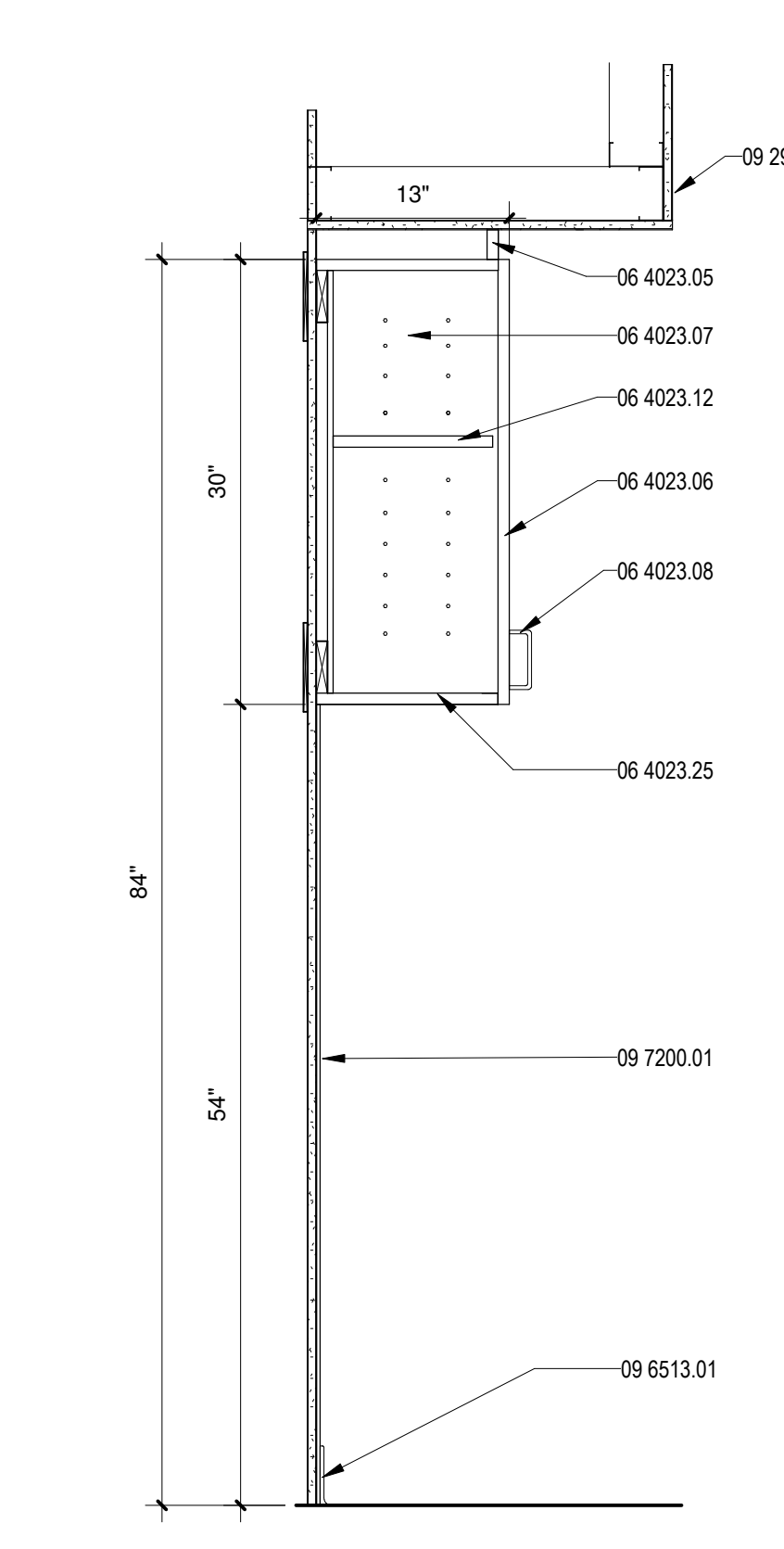
**C3 CASEWORK SECTION**  
1" = 1'-0"



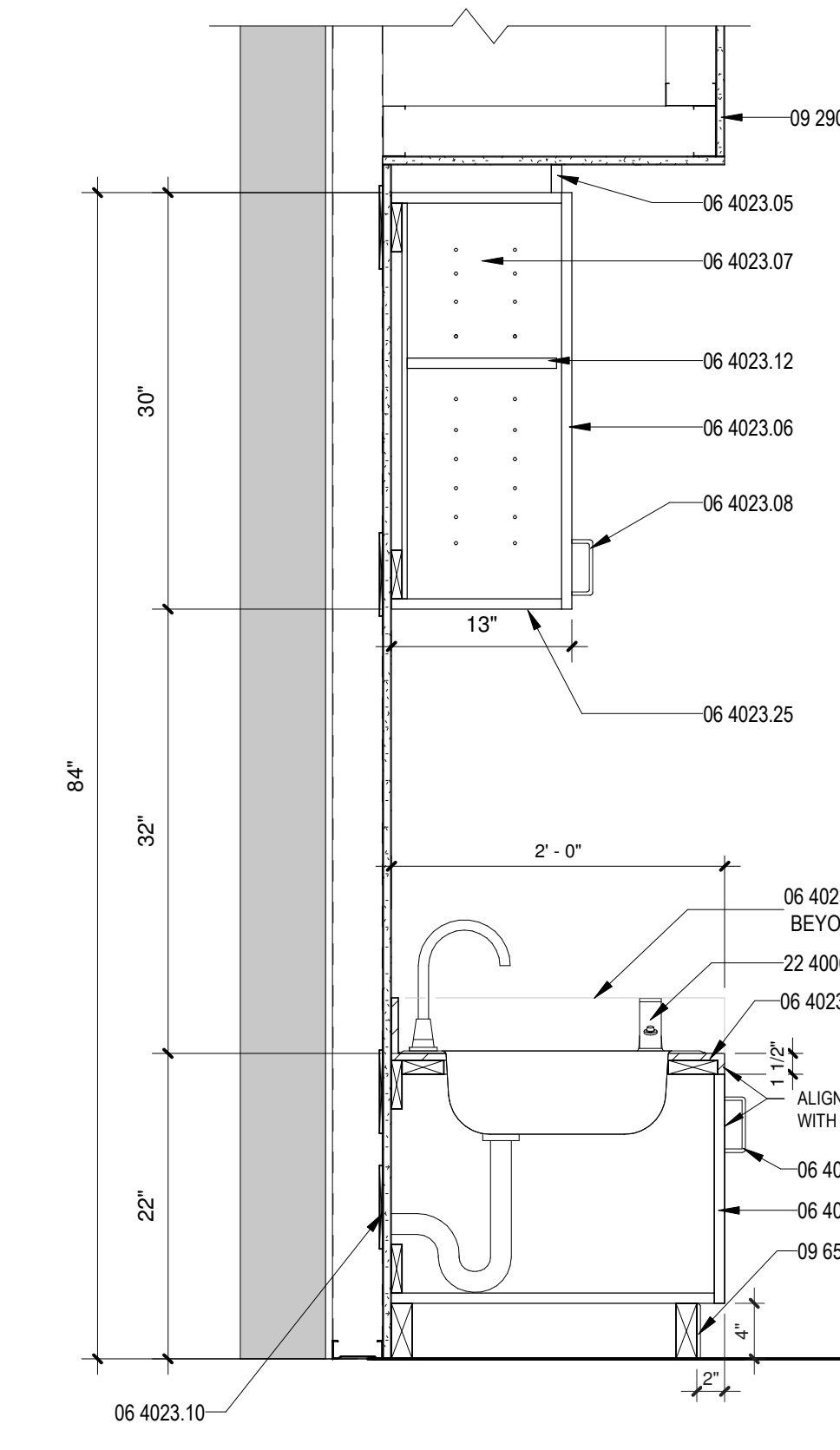
**C4 CASEWORK SECTION**  
1" = 1'-0"



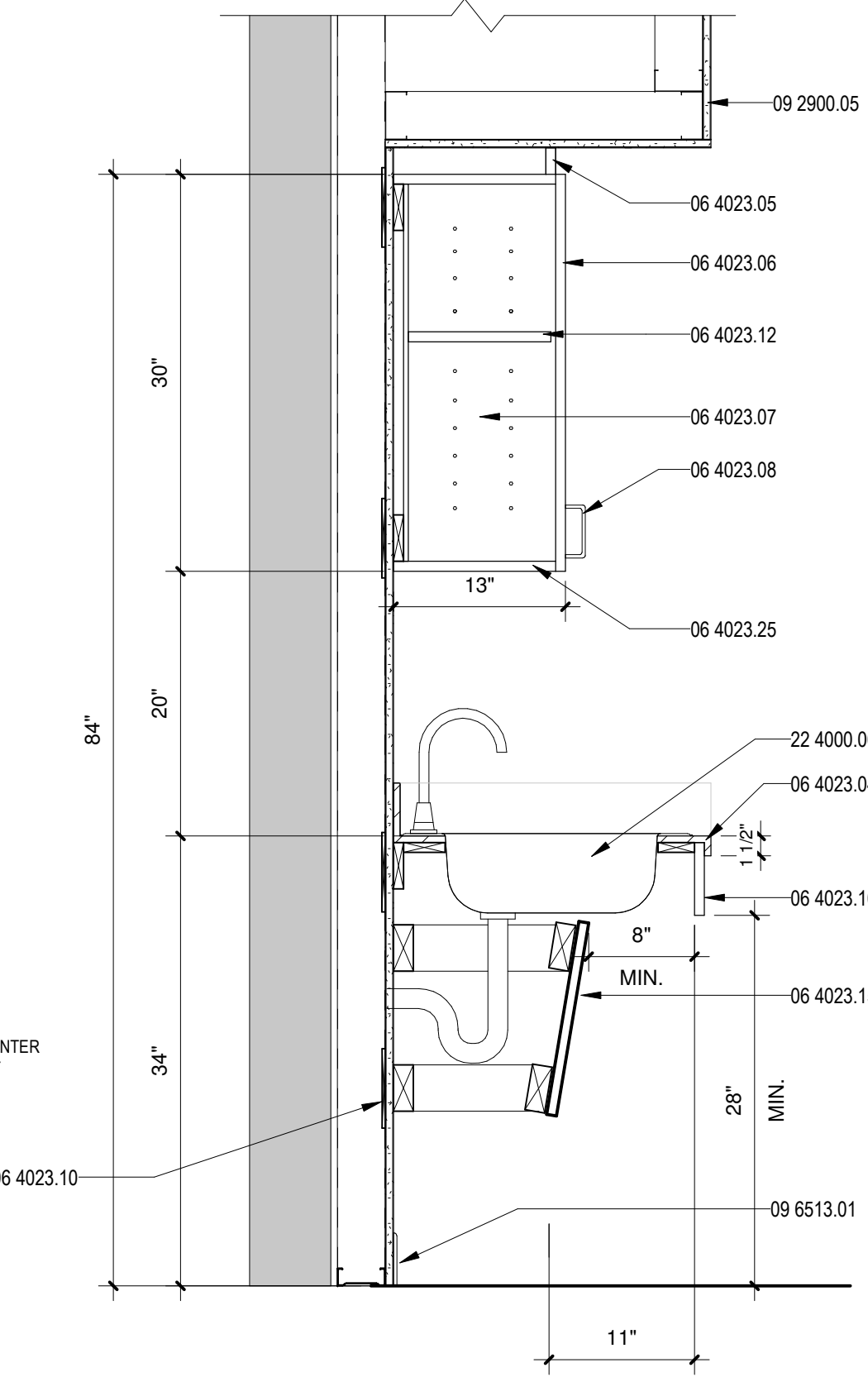
**C5 CASEWORK SECTION**  
1" = 1'-0"



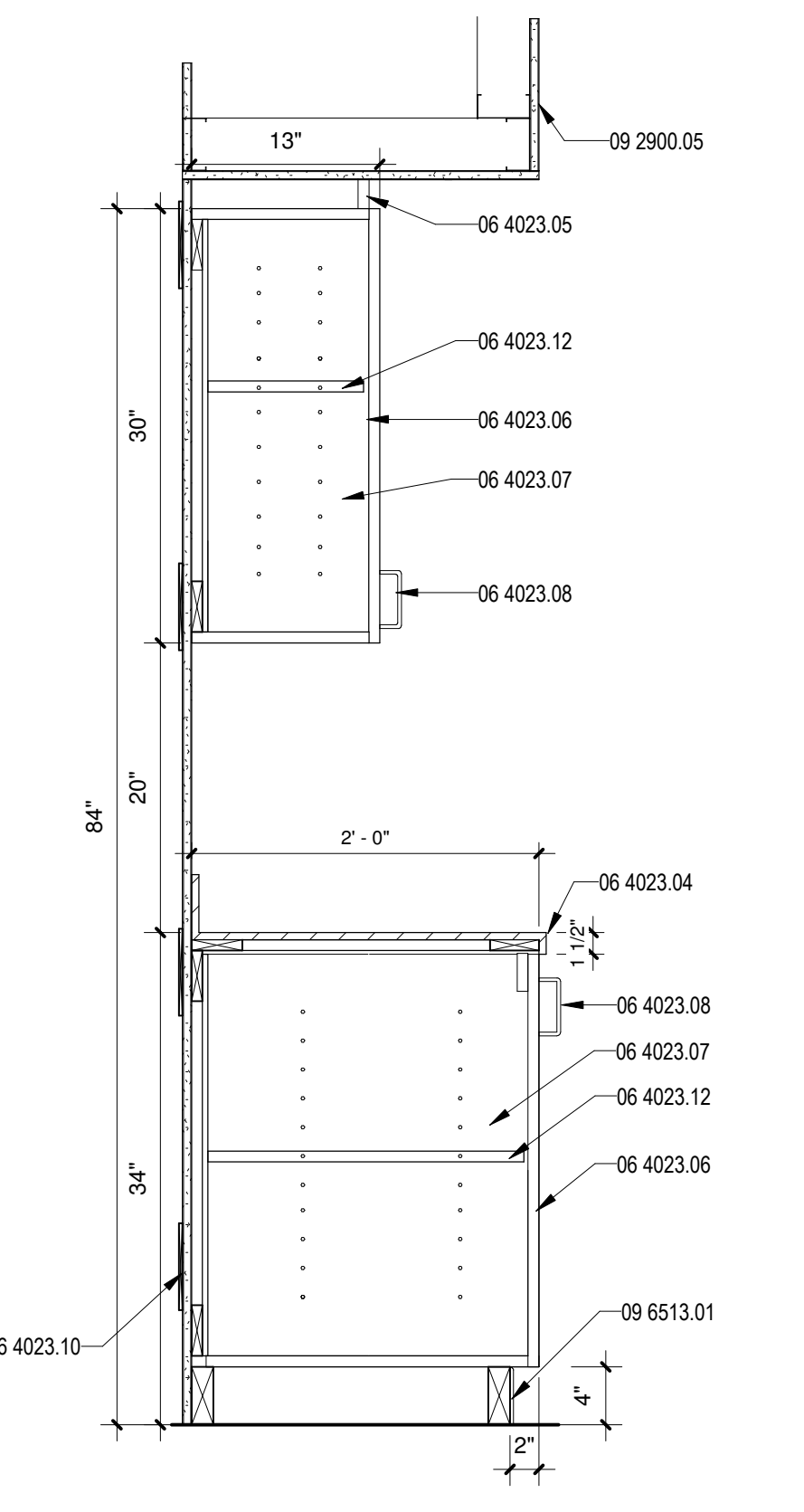
**A1 CASEWORK SECTION**  
1" = 1'-0"



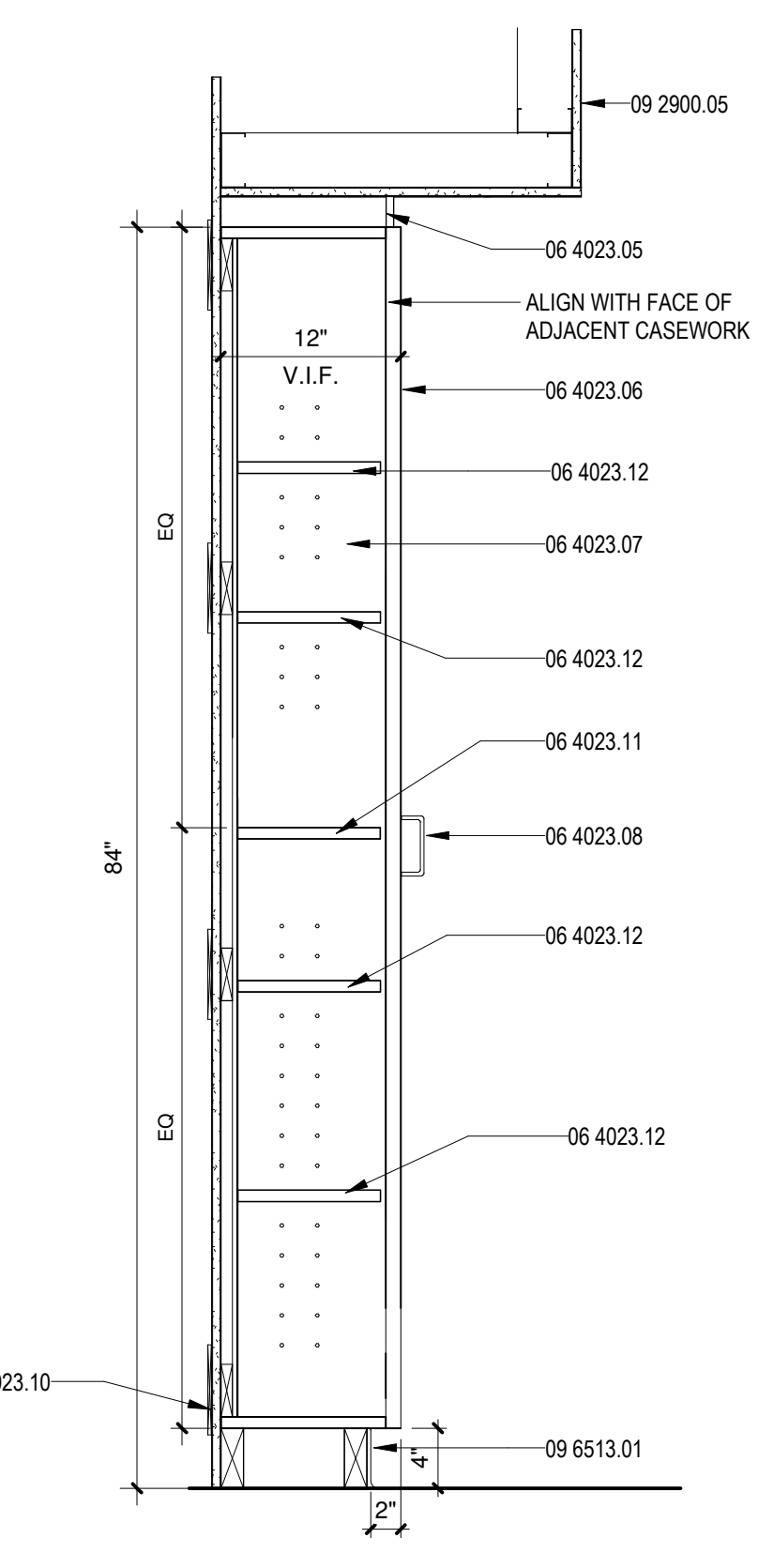
**A2 CASEWORK SECTION**  
1" = 1'-0"



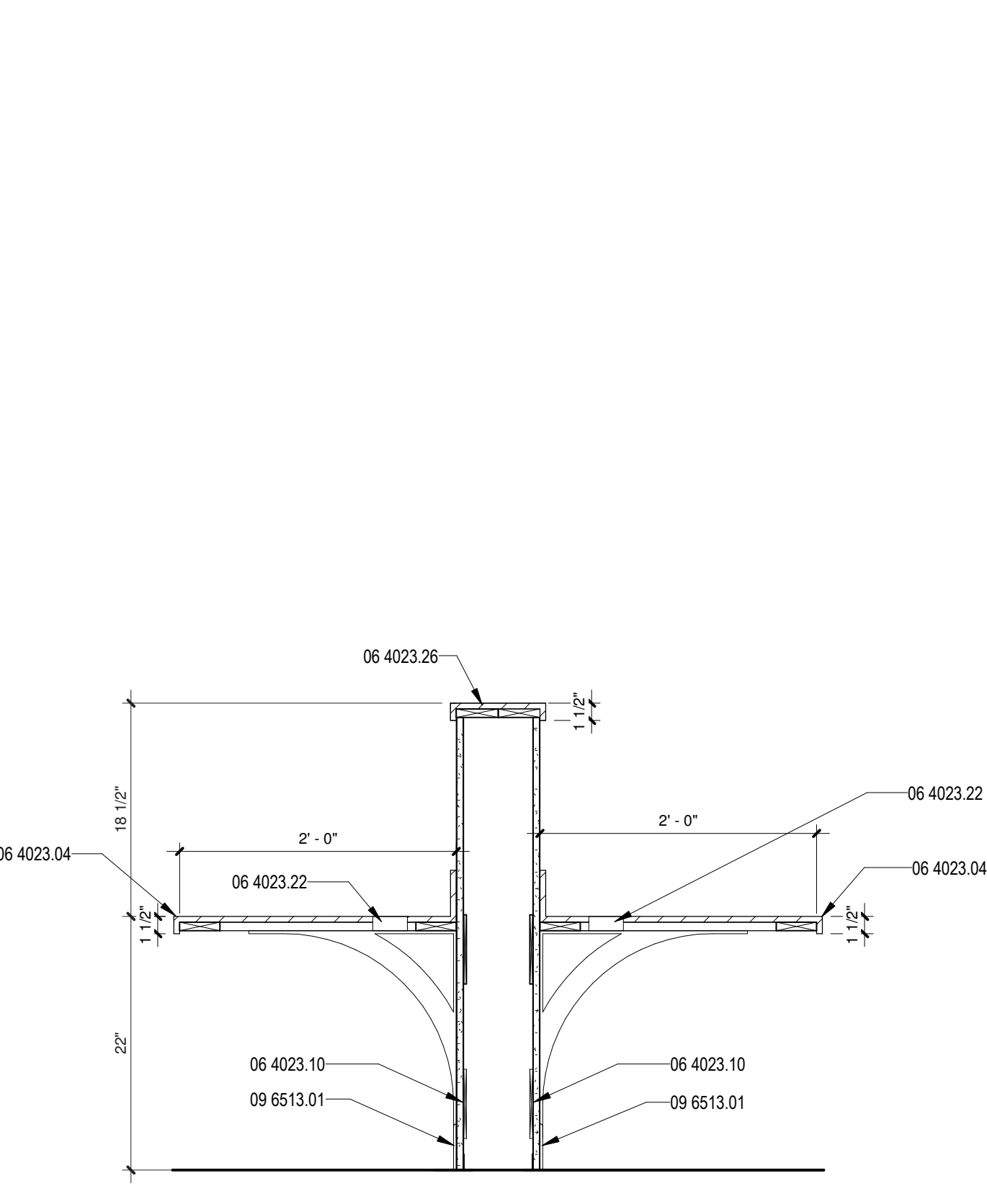
**A3 CASEWORK SECTION**  
1" = 1'-0"



**A4 CASEWORK SECTION**  
1" = 1'-0"



**A5 CASEWORK SECTION**  
1" = 1'-0"



**A6 CASEWORK SECTION**  
1" = 1'-0"

**CONSTRUCTION DOCUMENTS**

**REVISIONS**

- △
- △
- △
- △
- △

DRAWN BY: NW  
REVIEWED BY: OK  
DATE: 12/10/2019  
PROJECT NO: 18-0032  
PSFA PRE-K PROJECT NO: K-18-011  
PSFA SYSTEMS PROJECT NO: S-20-008  
DRAWING NAME:

**CASEWORK SECTIONS**



GENERAL SHEET NOTES

- A. ALL PLAN DIMENSIONS ARE TO FACE OF STUD, FACE OF CMU, OR CENTER OF COLUMN UNLESS NOTED OTHERWISE
- B. PROVIDE PROPER BACKING FOR ALL MOUNTED ACCESSORIES
- C. REFER TO SHEET AE10 FOR PARTITION TYPES
- D. WHEN MOUNTING GRAB BARS ON PARTITION PROVIDE ADEQUATE REINFORCEMENT
- E. ALL TOILET DIMENSIONS ARE TO FACE OF FINISH CLEAR
- F. REFERENCE FINISH FLOOR ELEVATION = 100'-0" (MSL)
- G. REFER TO INTERIOR FINISH PLANS FOR FINISH INFORMATION
- H. REFERENCE G102 FOR TYPICAL MOUNTING HEIGHTS
- I. CONTRACTOR TO COORDINATE SLOPE OF FLOORING TO ALL FLOOR DRAINS IN A MANNER THAT REDUCES CUTTING OF FLOOR TILE FLOOR SLOPE TO BE LESS THAN 1:48
- J. CONTRACTOR TO VERIFY REQUIRED CLEARANCES ARE PROVIDED BASED UPON FINAL FIXTURE SELECTION AND AS-BUILT DIMENSIONS
- K. FOR TILE CORNER AND TERMINATION DETAILS REFER TO AF101
- L. CENTER FLOOR DRAINS IN SINGLE OCCUPANT RESTROOMS U.N.O.

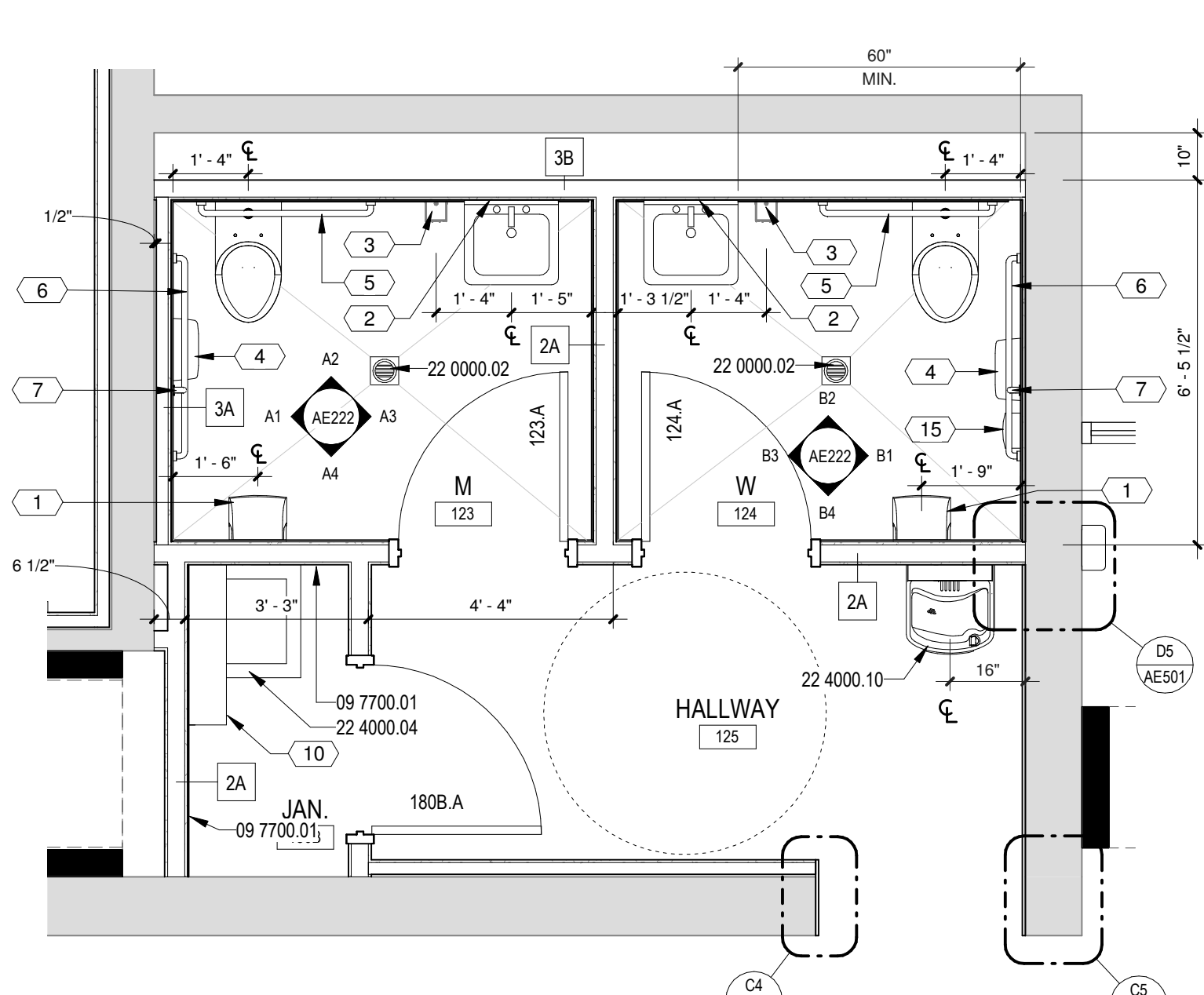
**NMAC I. E111 Children's Accessible Elements. Must comply with Ages 3 and 4 years olds, except for Adult restrooms.**

REFERENCE KEYNOTES

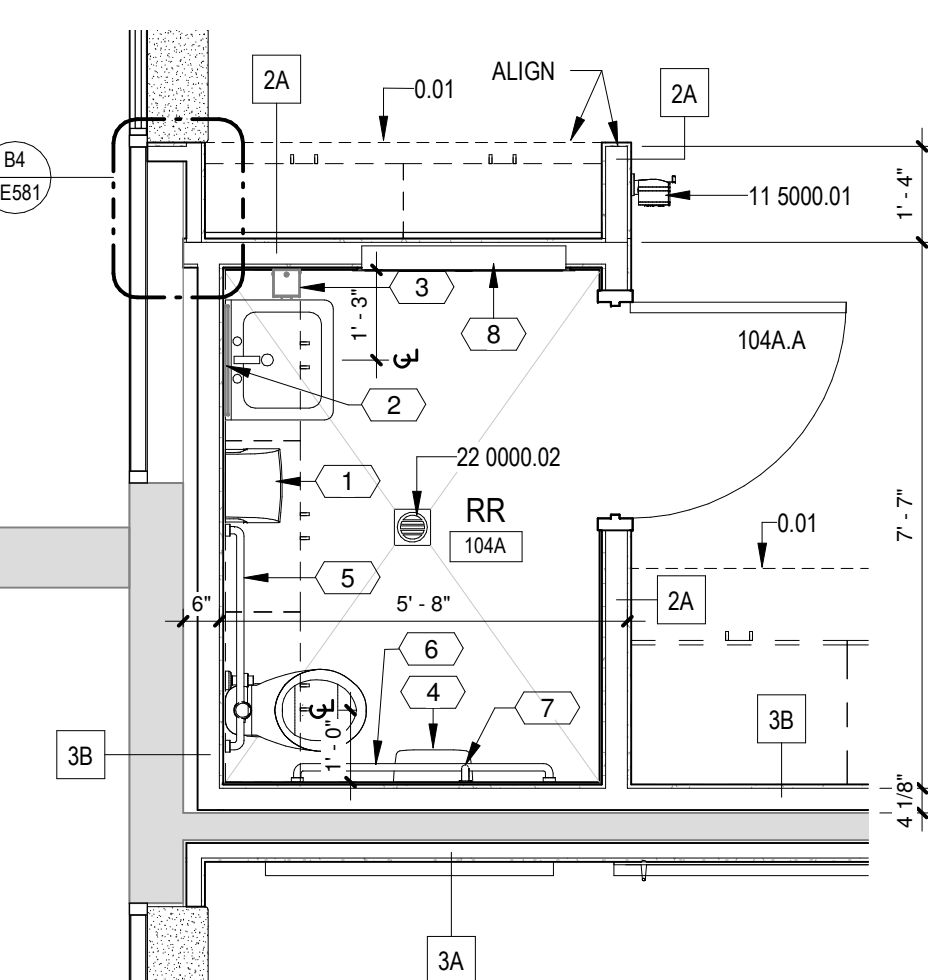
0.01	LINE OF SOFFIT/OVERHANG ABOVE
0.03	COT. N.I.C.
0.12	ALIGN DOOR HINGE AND TOILET PARTITION WITH SOFFIT ABOVE
0.13	ALIGN NEW WALL WITH BRICK AND TILE WAISTCOT
02 0100.24	DISMANTLE EXISTING DOWNSPOUTS. REINSTALL DOWNSPOUTS AFTER NEW EXTERIOR WALL FINISH IS COMPLETE. STORE AS REQUIRED
02 0100.34	RELOCATED FIRE EXTINGUISHER
02 0100.36	PATCH AND REPAIR EXISTING FLOOR AT DEMOLISHED TOILET LOCATION AS REQUIRED
07 2100.05	2" RIGID INSULATION
09 7700.01	FULL LENGTH AND HEIGHT TRIP REINFORCED PANEL
10 2123.01	PRIVACY CURTAIN AND TRACK
10 4400.01	SURFACE MOUNT FIRE EXTINGUISHER CABINET
11 5000.01	PENCIL SHARPENER X-ACTO KS MANUAL VACUUM MOUNT OR APPROVED EQUAL. PROVIDE BLOCKING AS NECESSARY. REFER TO INTERIOR ELEVATIONS AND MOUNTING HEIGHTS
22 0000.02	6" X 6" FLOOR DRAIN: REFER TO D5A101A FOR TILE DETAIL. REFER TO PLUMBING
22 4000.04	MOP SINK: REFER TO PLUMBING
22 4000.10	WATER COOLER WITH BOTTLE FILLER. MOUNTED AT ACCESSIBLE HEIGHT; REFER TO PLUMBING

10 2813 - TOILET ACCESSORIES

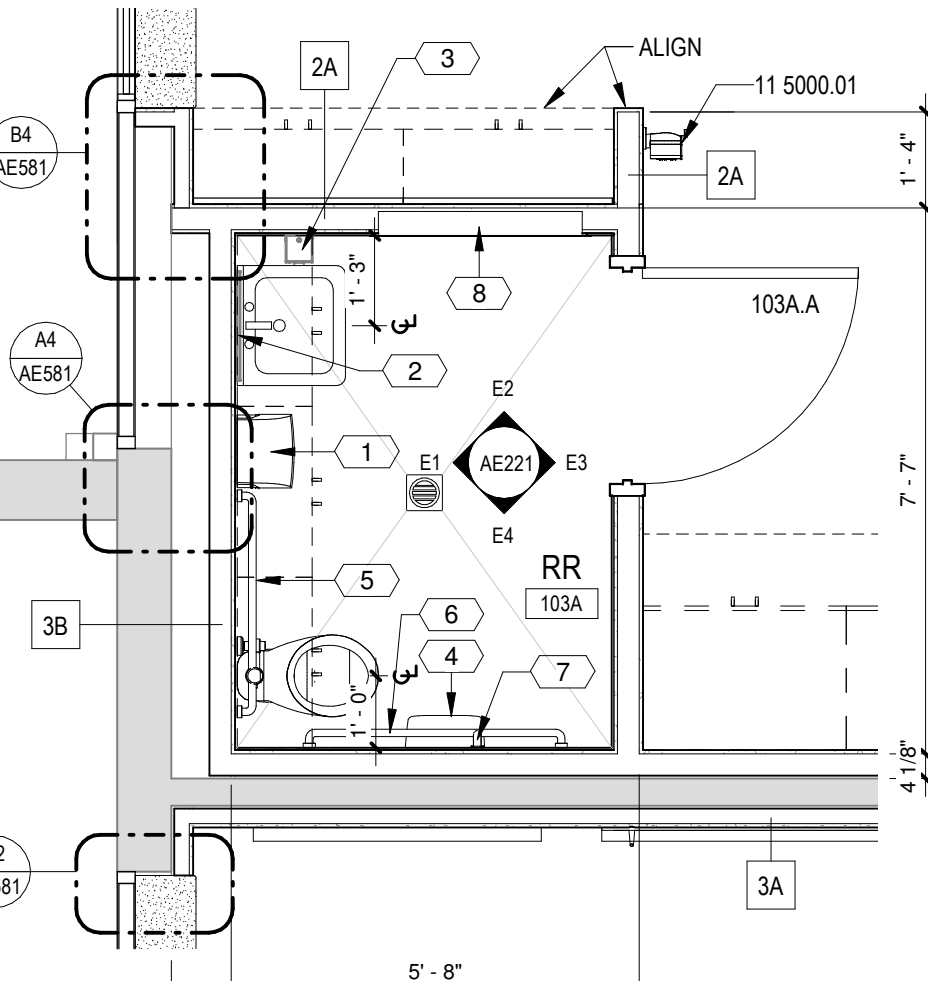
1. PAPER TOWEL DISPENSER, OFCI. COORDINATE LOCATION W/ OWNER BEFORE INSTALLATION
2. 18" X 36" ANGLE FRAME MIRROR, COORDINATE LOCATION W/ OWNER BEFORE INSTALLATION
3. HAND SOAP DISPENSER, OFCI. COORDINATE LOCATION W/ OWNER BEFORE INSTALLATION
4. TOILET PAPER DISPENSER, OFCI. COORDINATE LOCATION W/ OWNER BEFORE INSTALLATION
5. 36" LONG STRAIGHT GRAB BAR
6. 42" LONG STRAIGHT GRAB BAR
7. 18" LONG STRAIGHT GRAB BAR
8. RECESSED CHANGING TABLE. COORDINATE LOCATION W/ OWNER BEFORE INSTALLATION
9. 24" LONG STRAIGHT GRAB BAR
10. MOP TRACK
11. SHOWER BENCH
12. 36" X 36" SHOWER GRAB BAR
13. TOWEL HOOK
14. CURTAIN ROD, SHOWER CURTAIN AND SHOWER HOOKS
15. SANITARY NAPKIN DISPOSAL



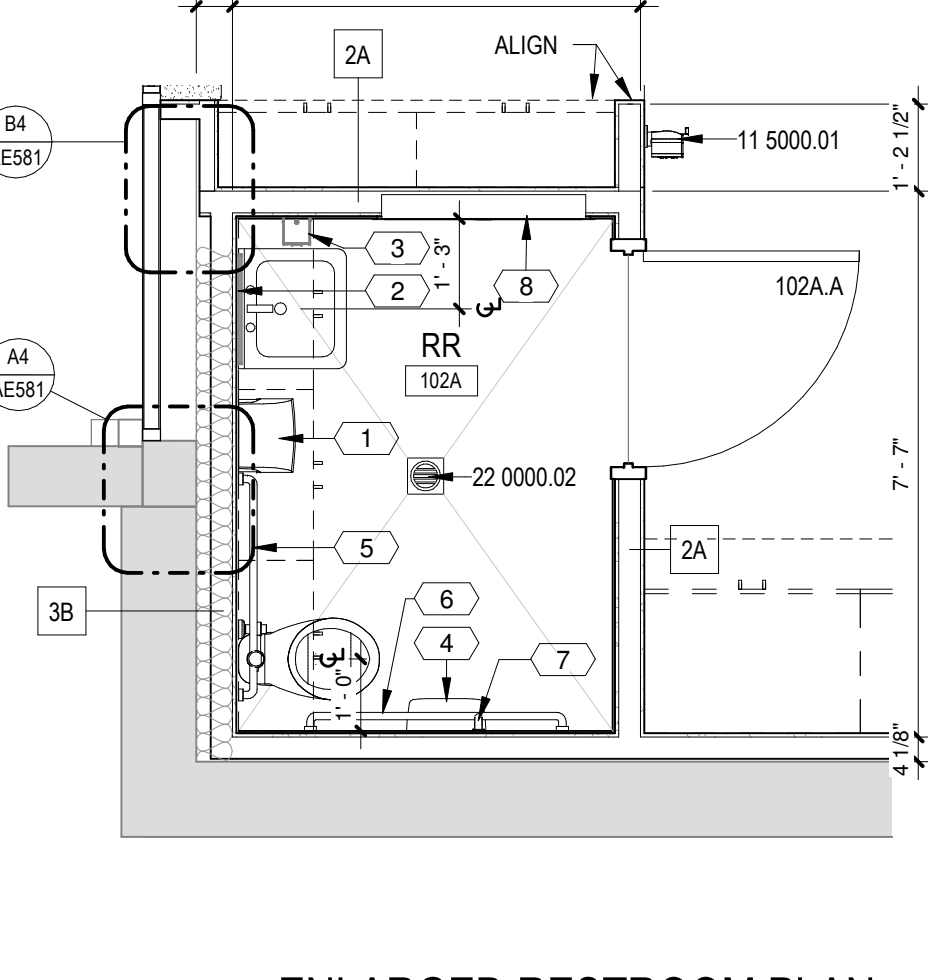
E1 ENLARGED RESTROOM PLAN  
GROUP A - BID LOT #1  
3/8" = 1'-0"



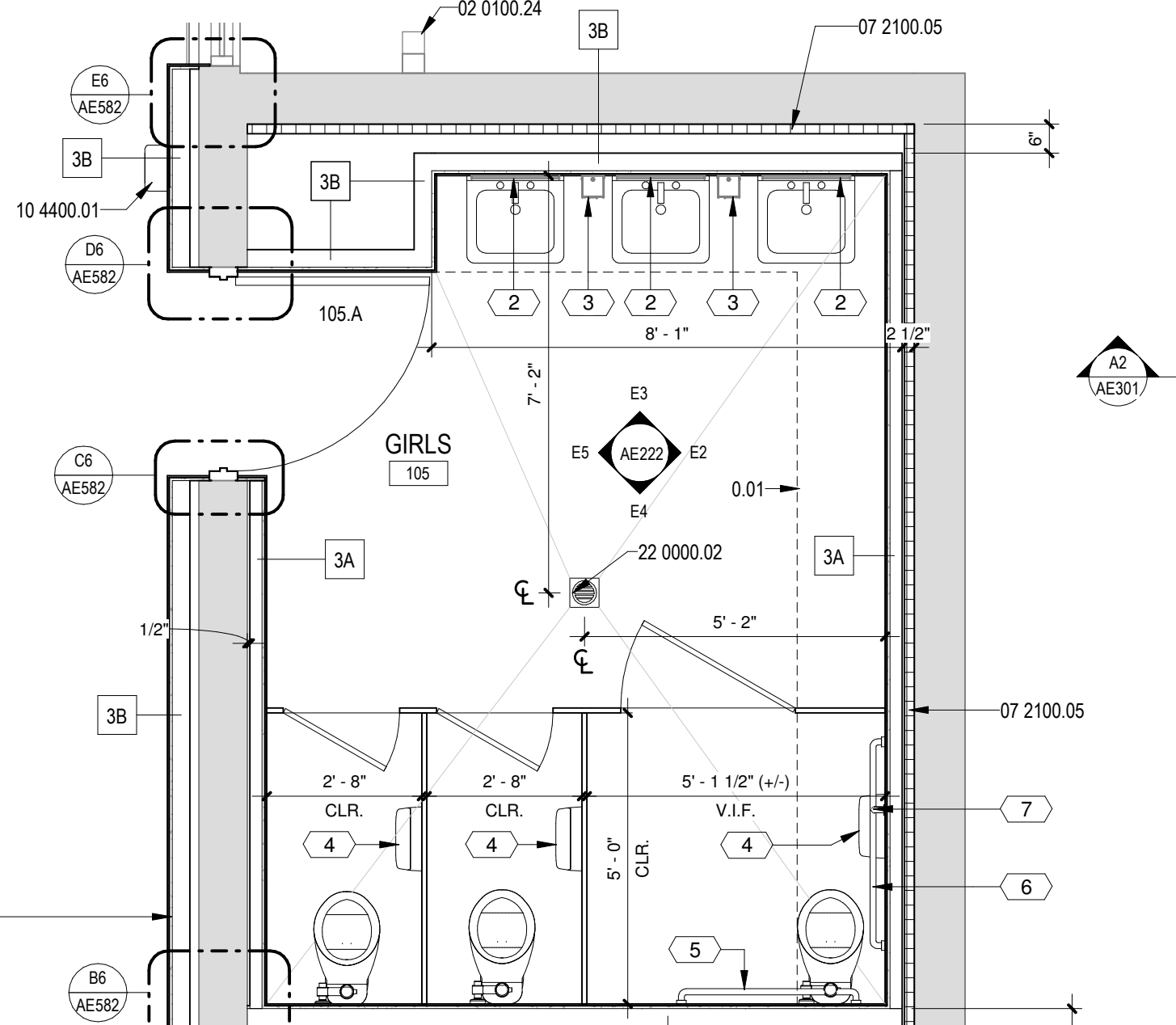
D1 ENLARGED RESTROOM PLAN  
GROUP B  
3/8" = 1'-0"



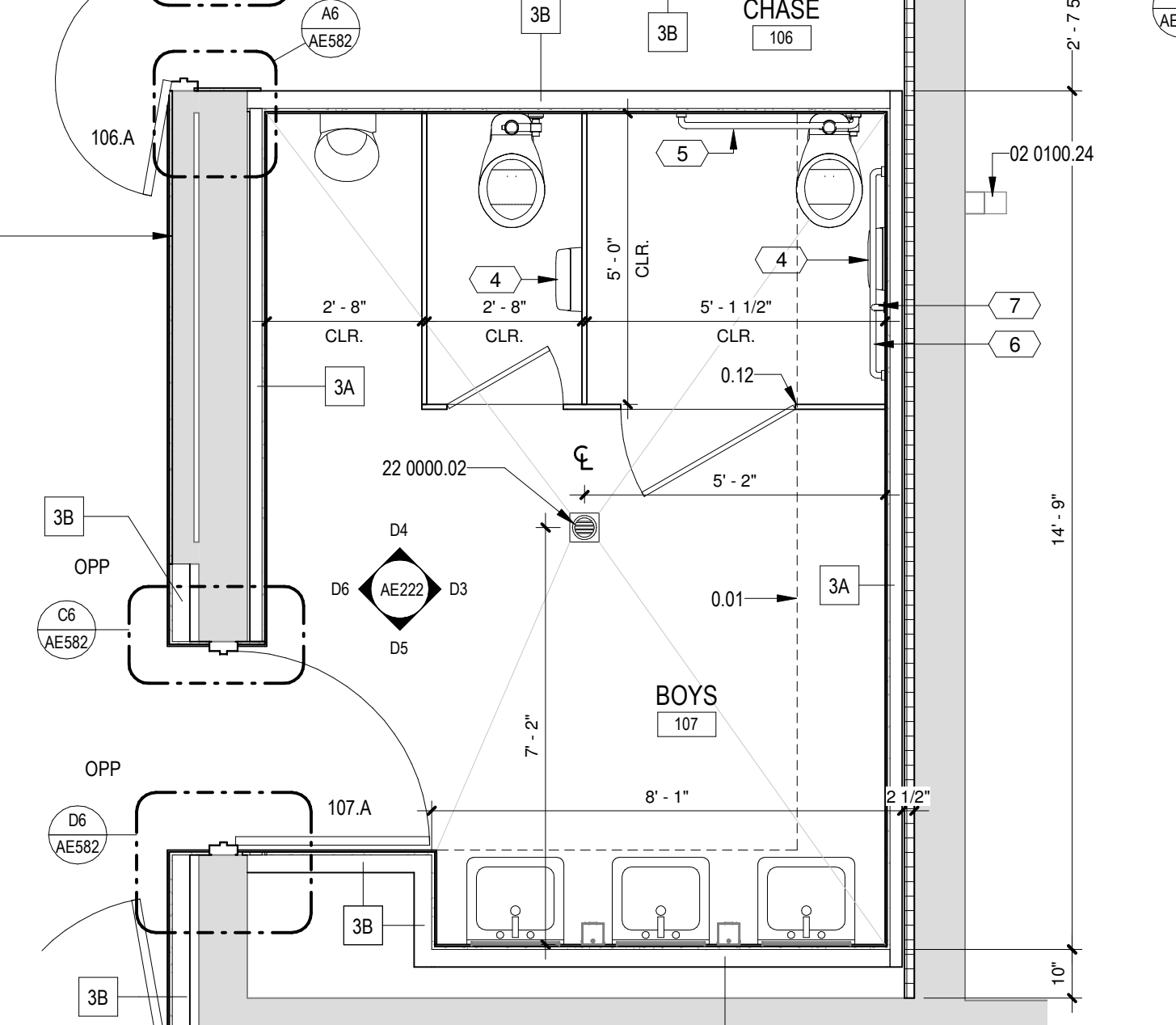
B1 ENLARGED RESTROOM PLAN  
GROUP B  
3/8" = 1'-0"



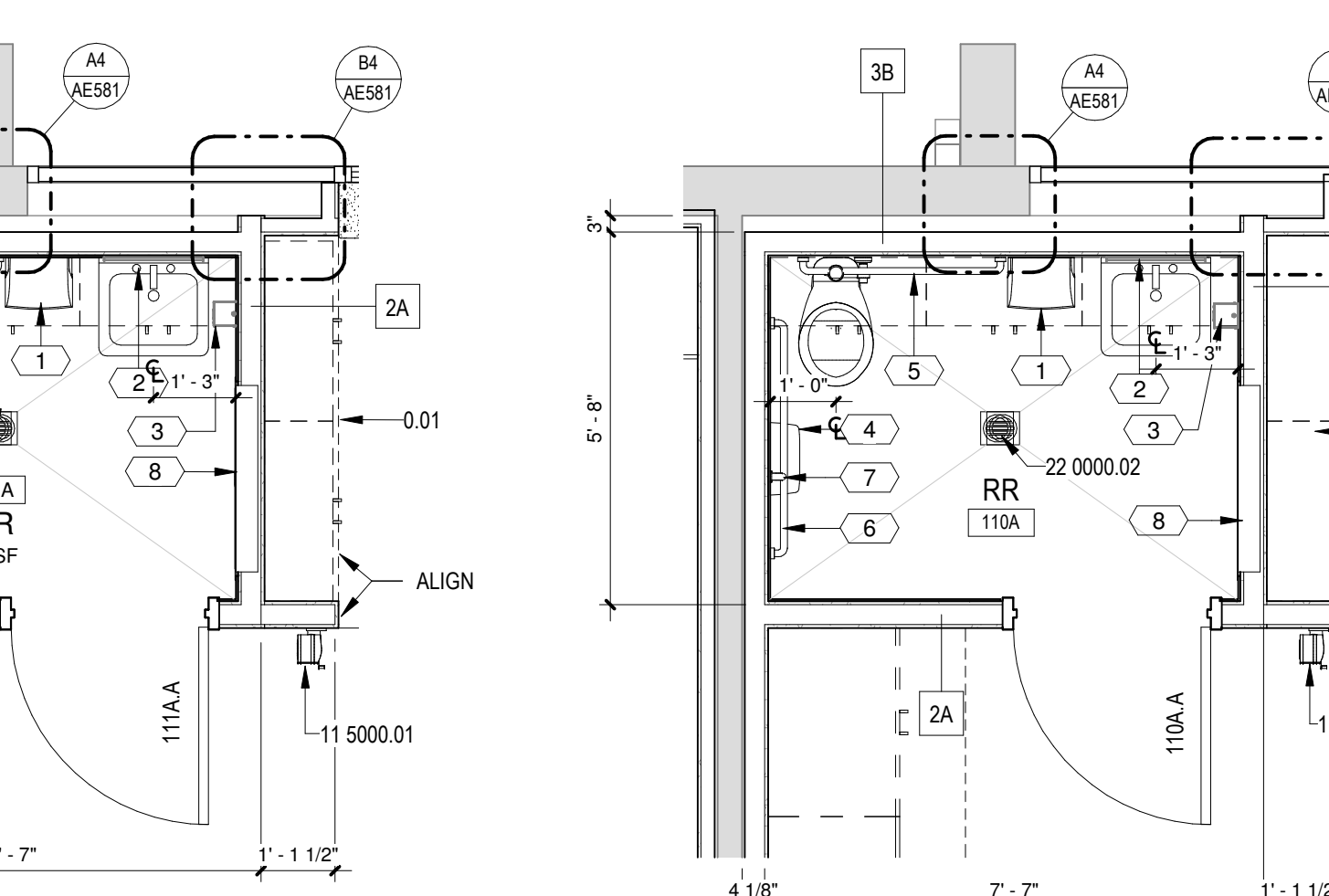
A1 ENLARGED RESTROOM PLAN  
GROUP B  
3/8" = 1'-0"



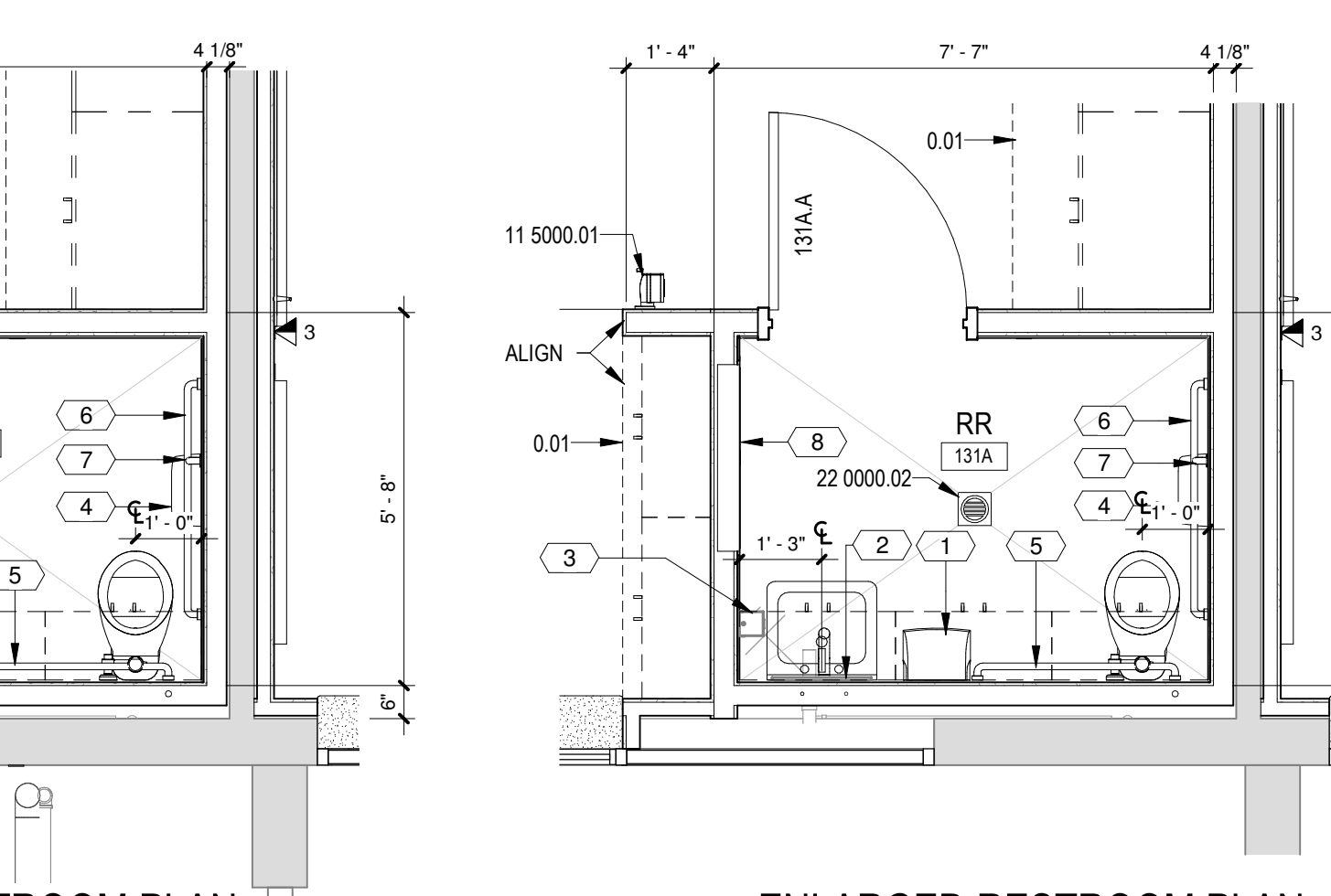
D3 ENLARGED RESTROOM PLAN  
GROUP B - BID LOT #1  
3/8" = 1'-0"



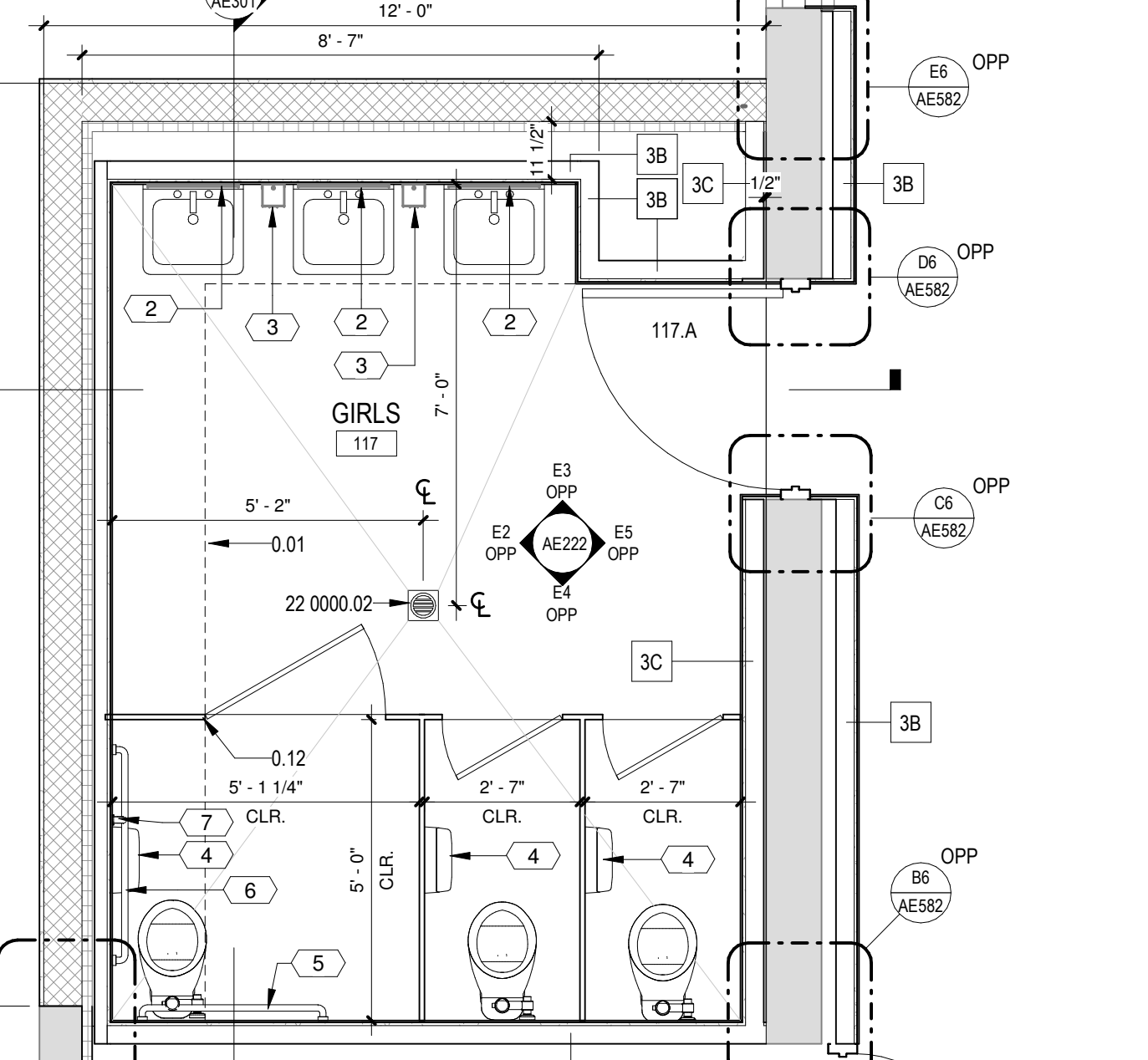
D4 ENLARGED RESTROOM PLAN  
GROUP B - BID LOT #1  
3/8" = 1'-0"



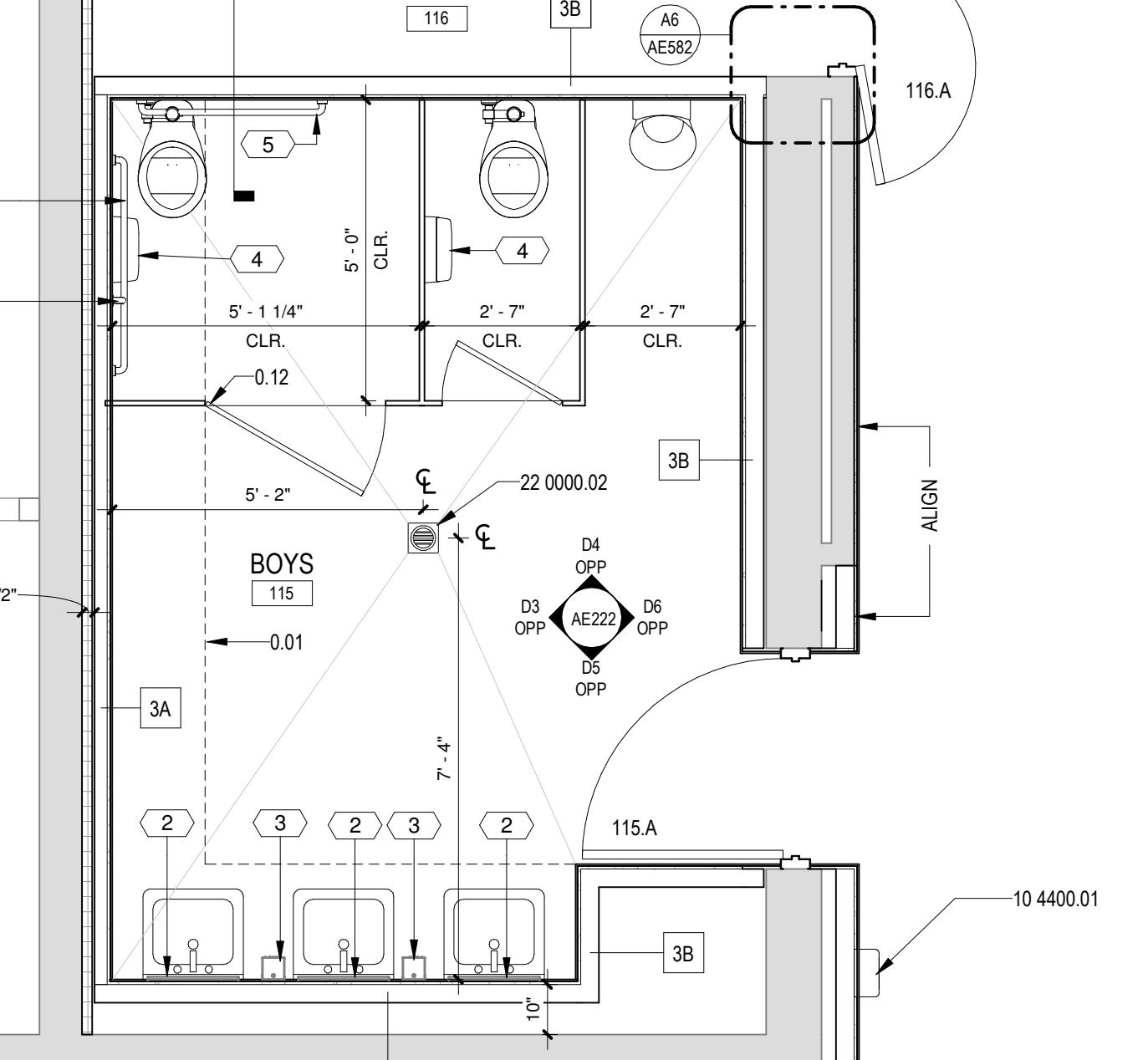
B2 ENLARGED RESTROOM PLAN  
GROUP B - BID LOT #1  
3/8" = 1'-0"



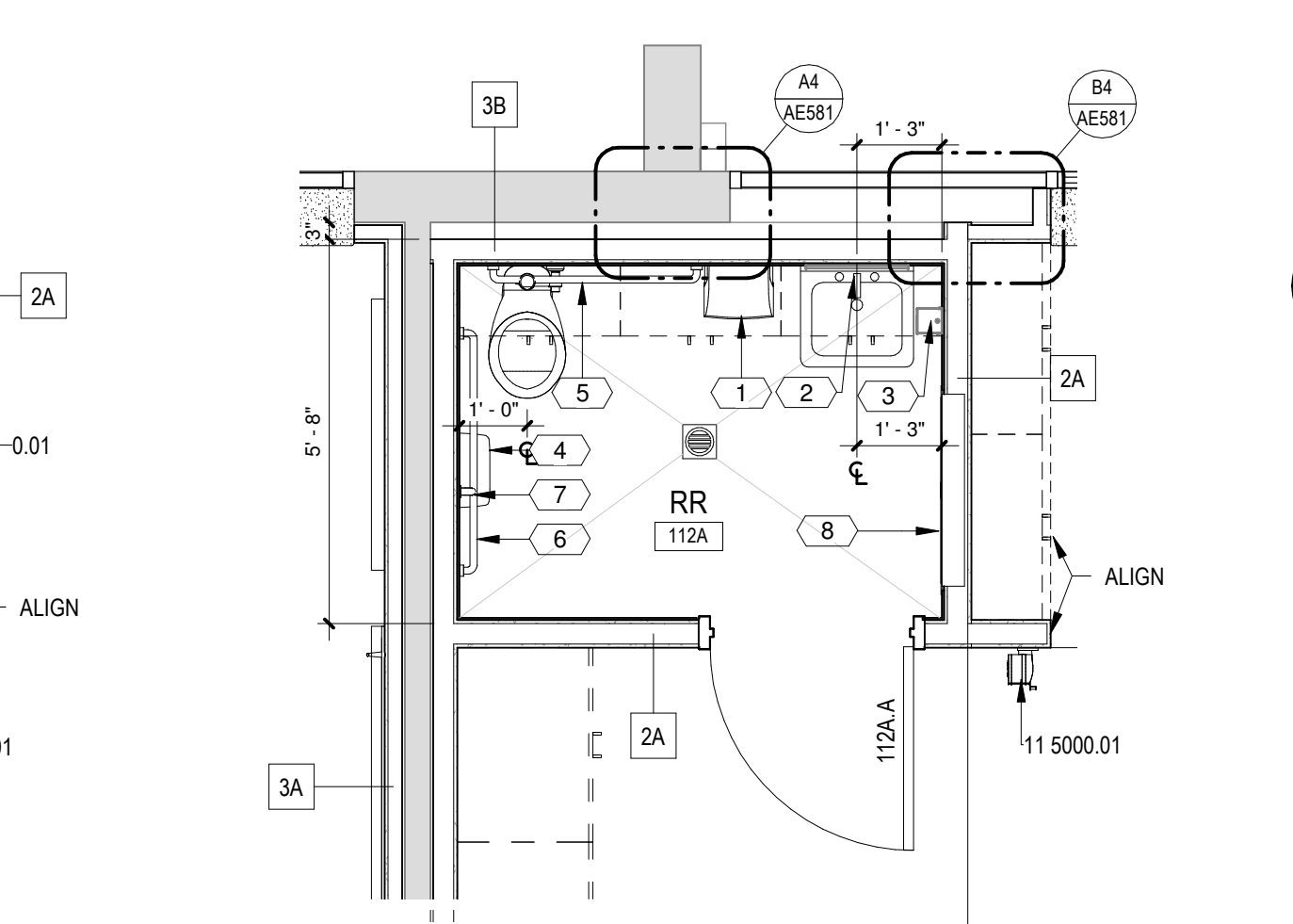
A2 ENLARGED RESTROOM PLAN  
GROUP B  
3/8" = 1'-0"



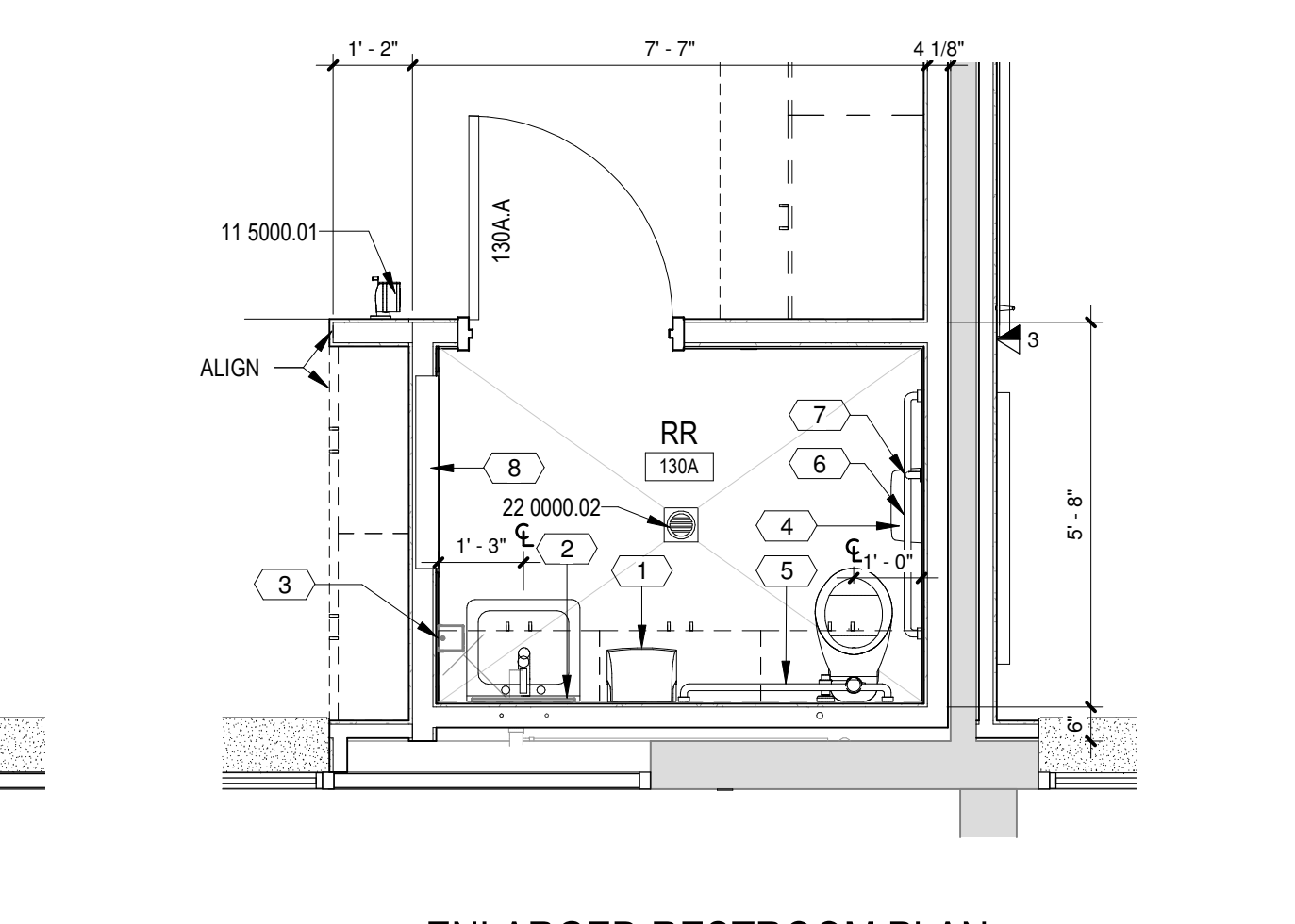
E5 ENLARGED RESTROOM PLAN  
GROUP B BID LOT #1  
3/8" = 1'-0"



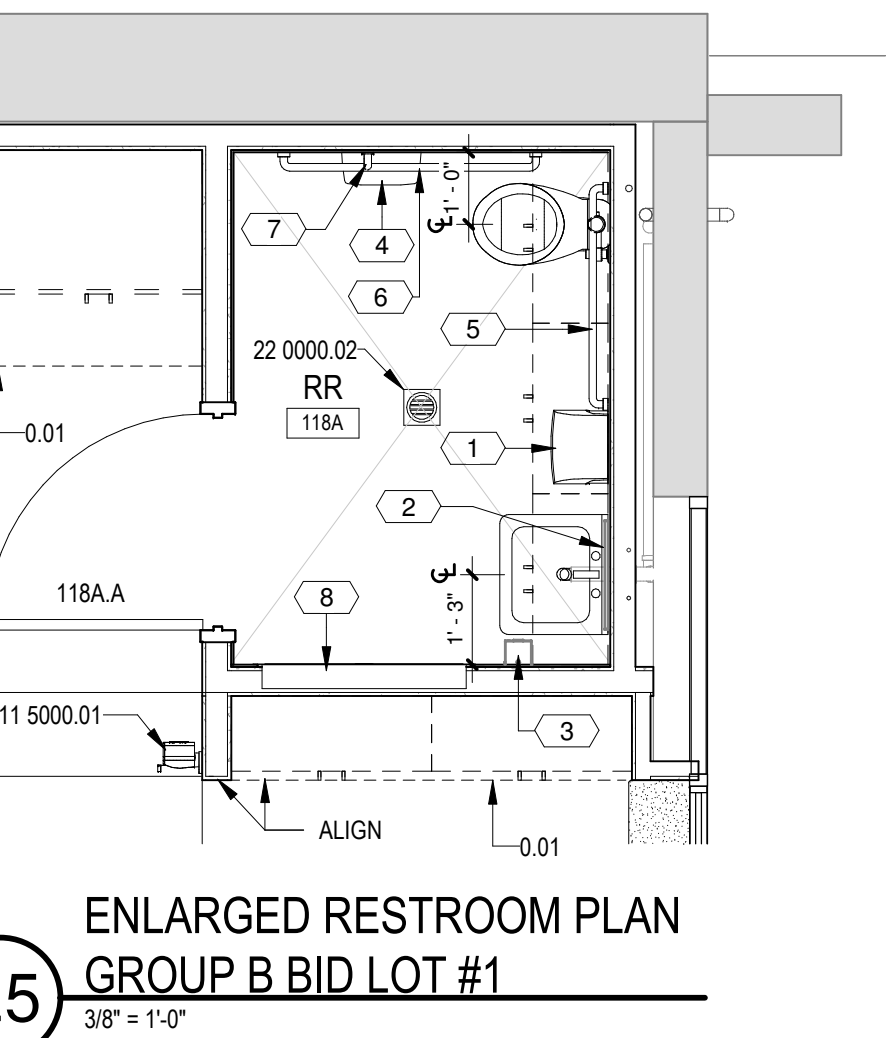
D5 ENLARGED RESTROOM PLAN  
GROUP B  
3/8" = 1'-0"



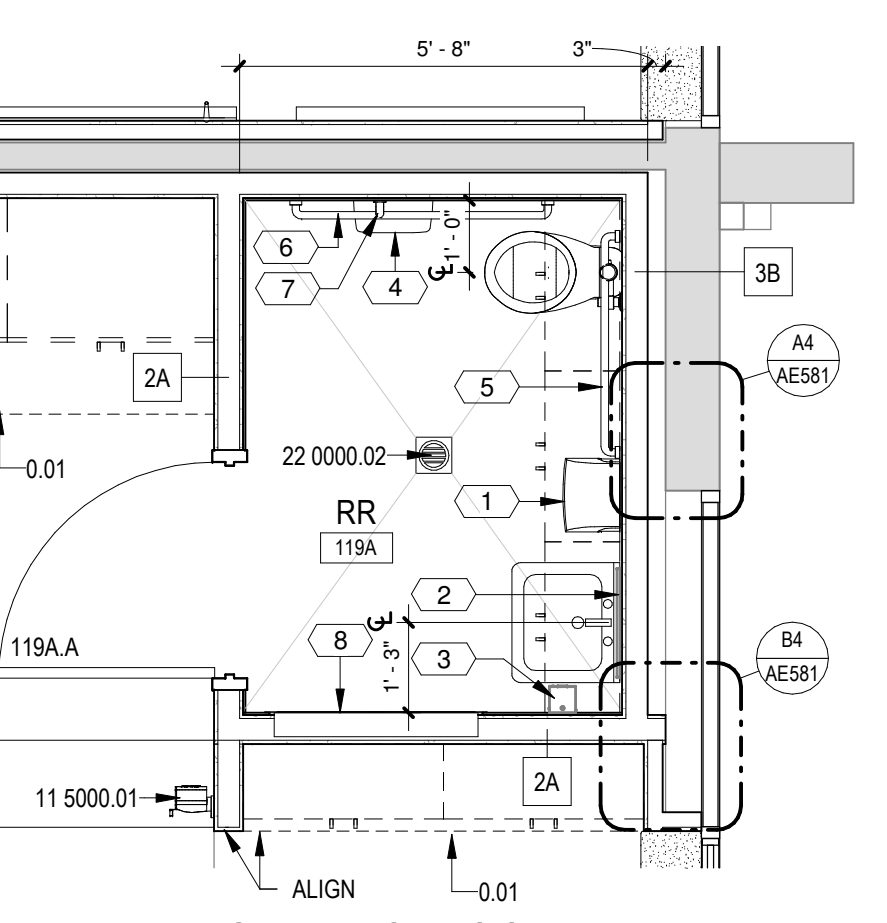
B3 ENLARGED RESTROOM PLAN  
GROUP B - BID LOT #1  
3/8" = 1'-0"



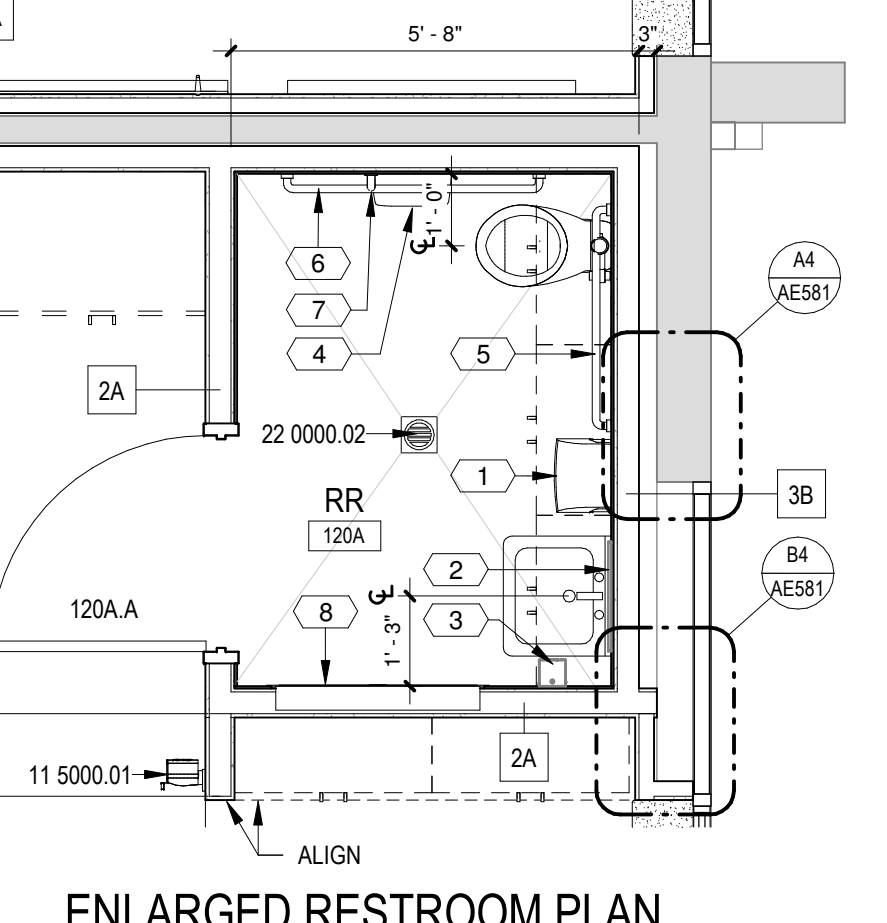
A3 ENLARGED RESTROOM PLAN  
GROUP B  
3/8" = 1'-0"



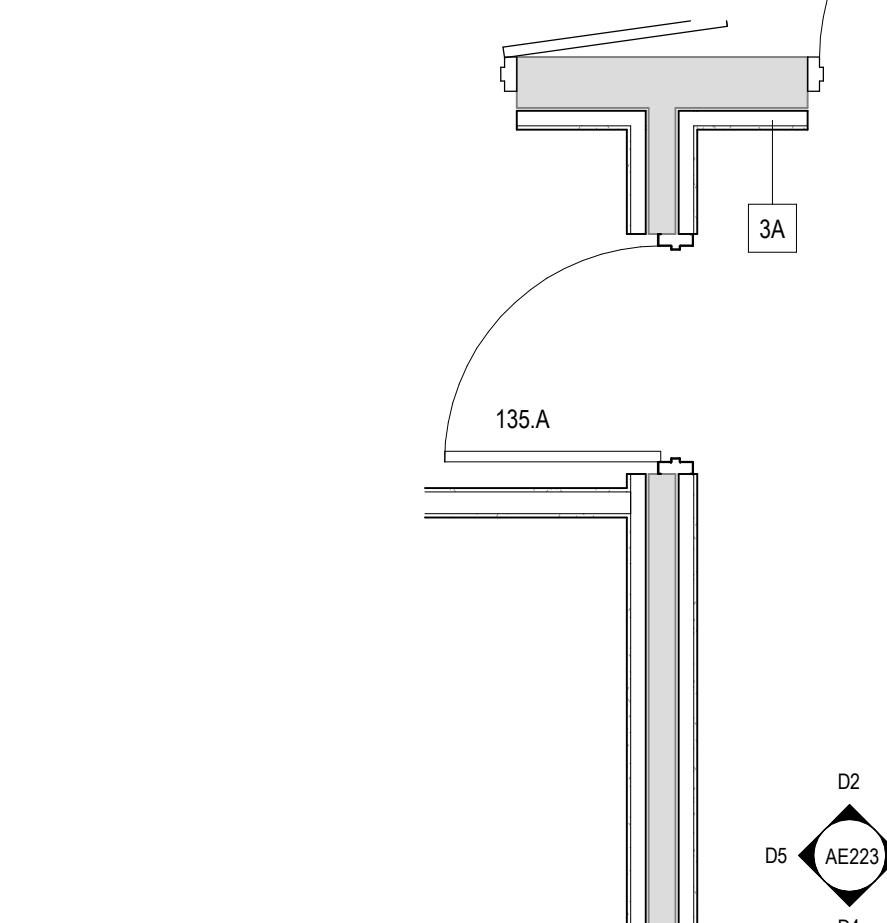
E5 ENLARGED RESTROOM PLAN  
GROUP B BID LOT #1  
3/8" = 1'-0"



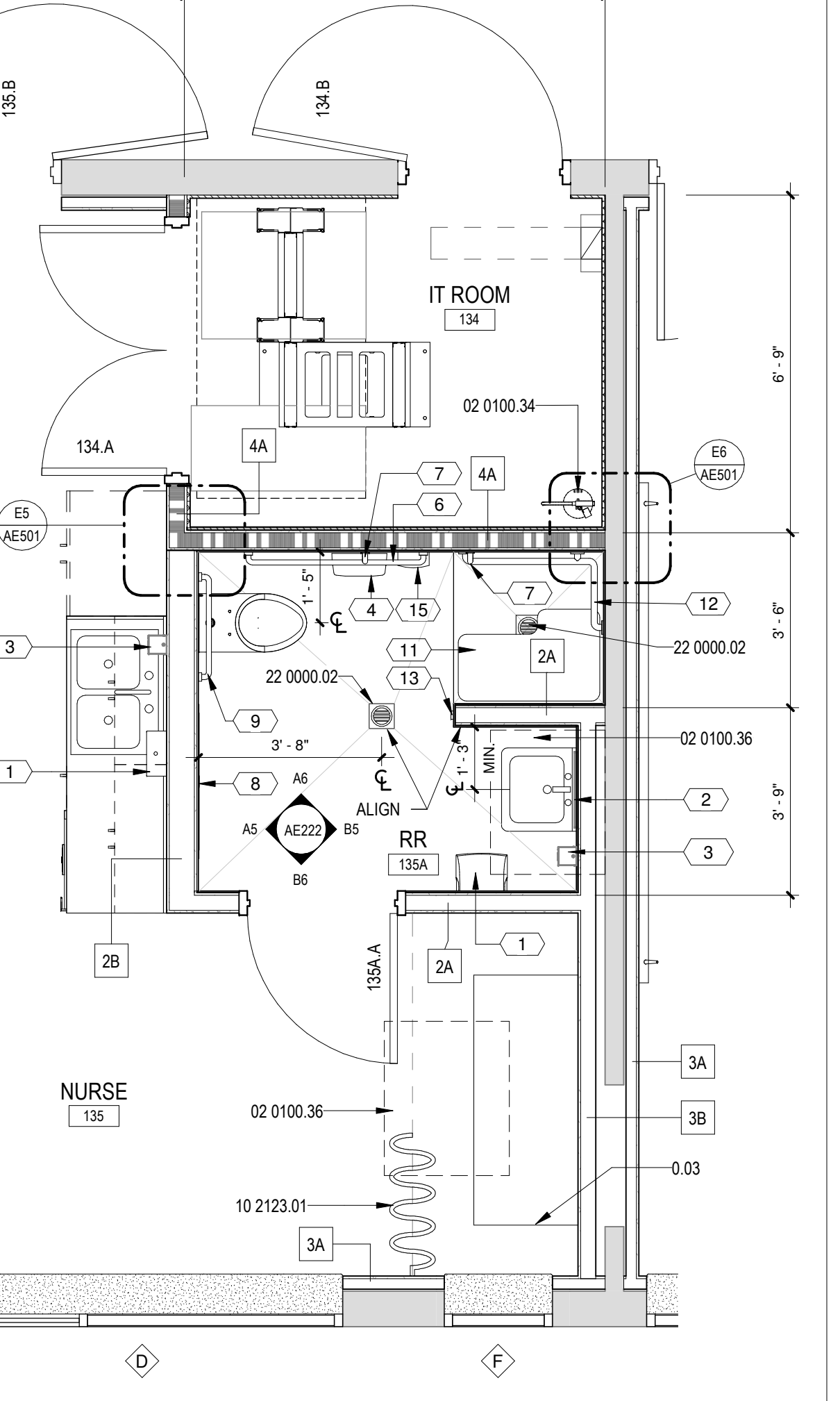
D5 ENLARGED RESTROOM PLAN  
GROUP B  
3/8" = 1'-0"



B5 ENLARGED RESTROOM PLAN  
GROUP B  
3/8" = 1'-0"



A4 ENLARGED RESTROOM PLAN  
GROUP B  
3/8" = 1'-0"



A5 ENLARGED RESTROOM PLAN  
GROUP A - BID LOT #1  
3/8" = 1'-0"

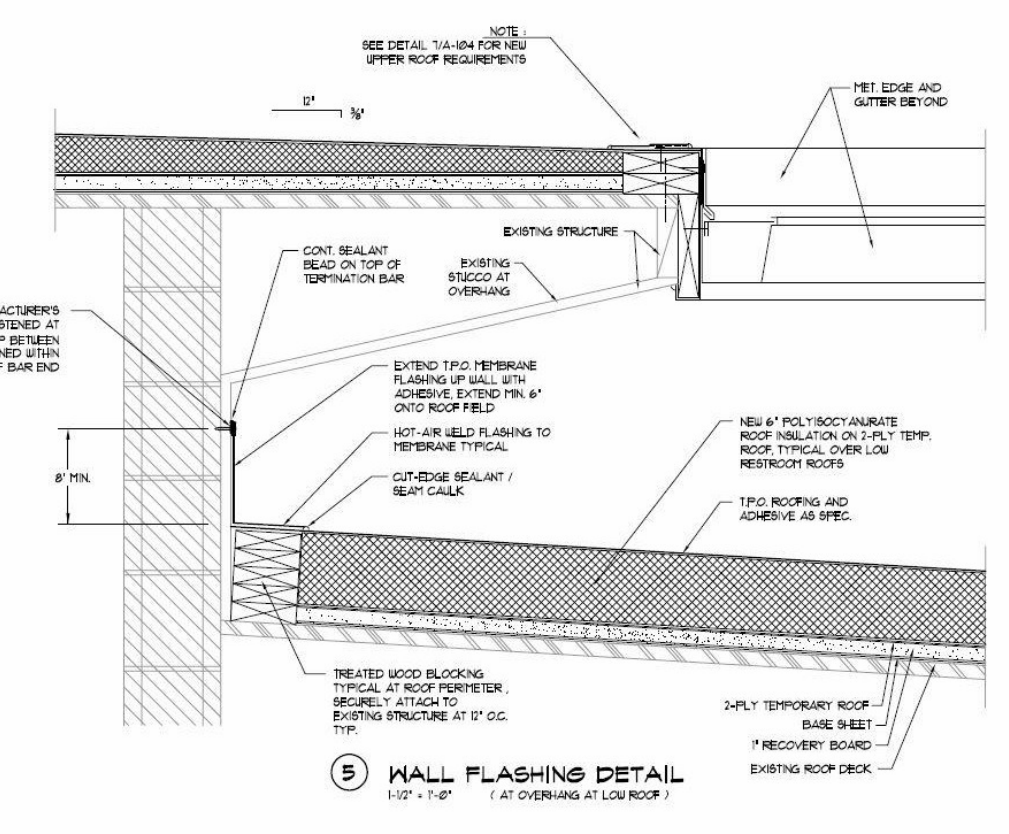




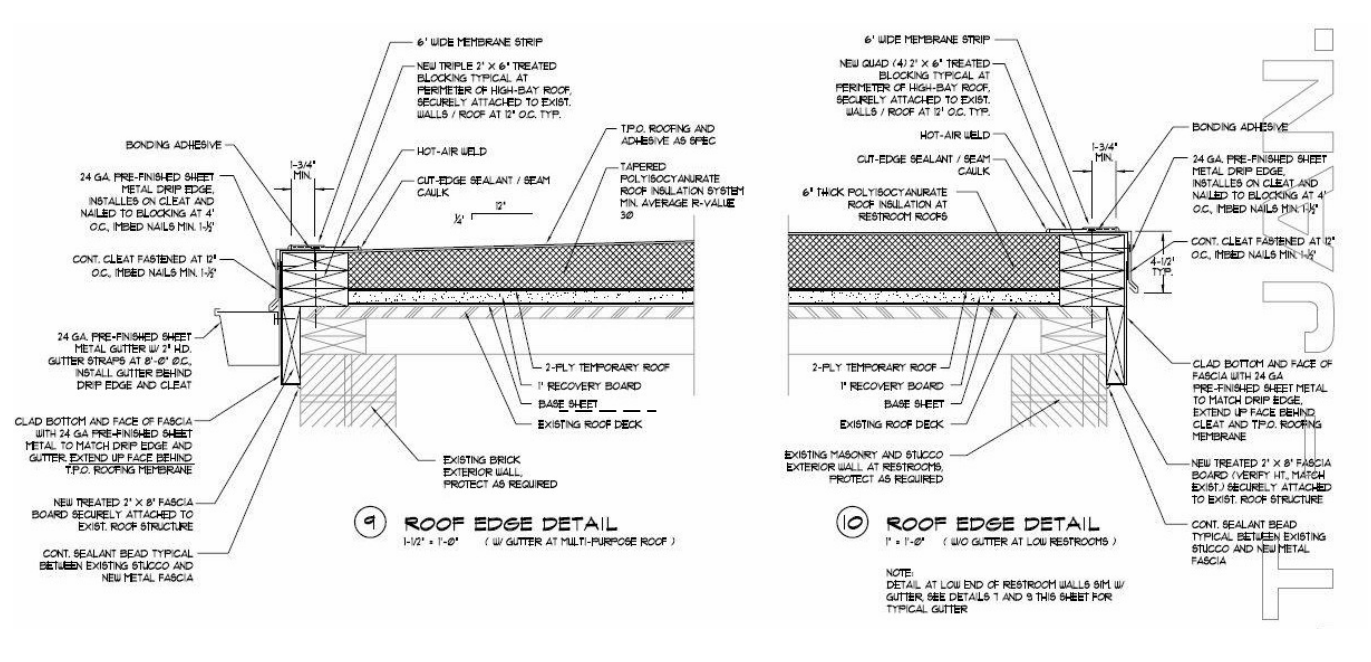




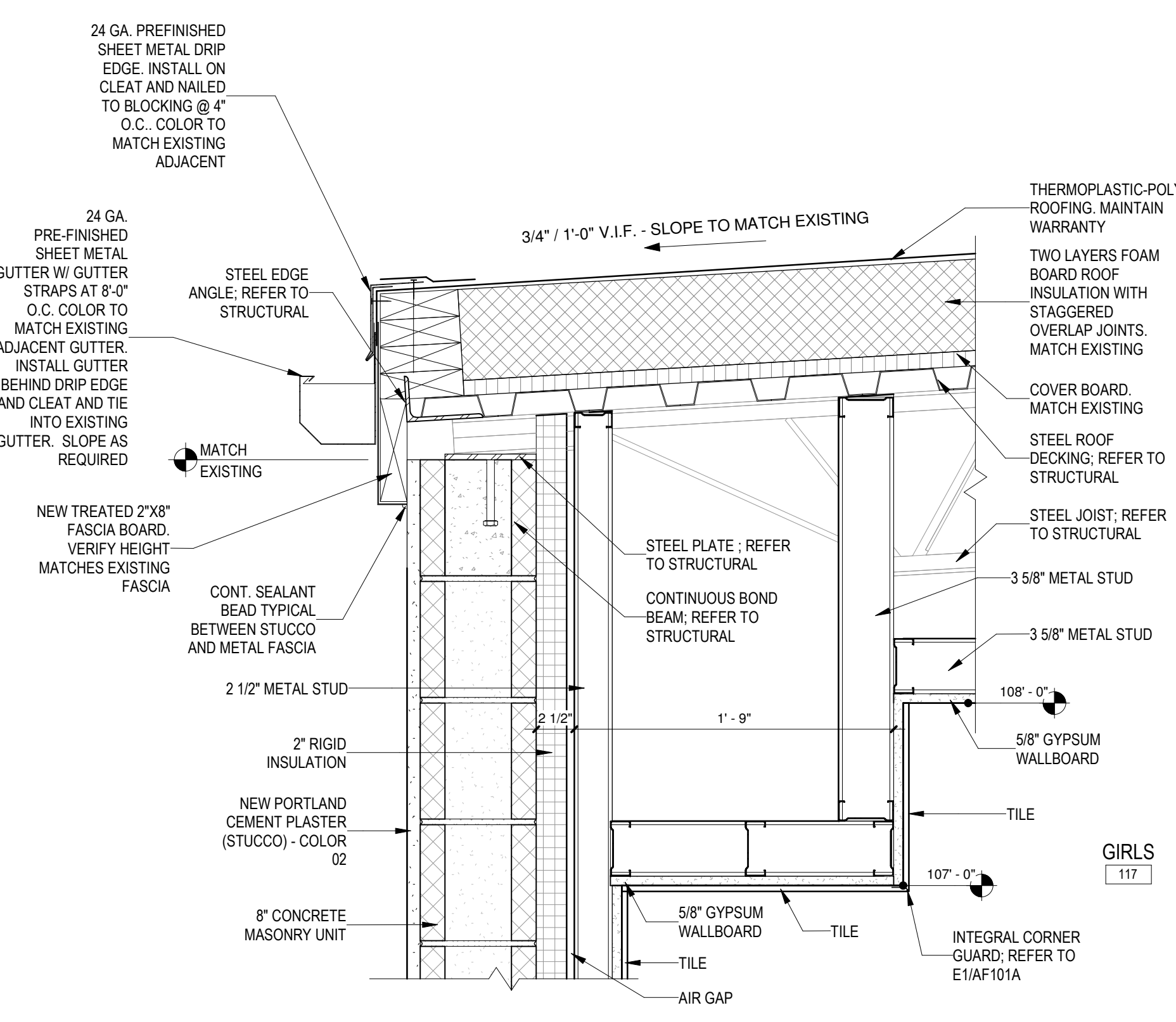




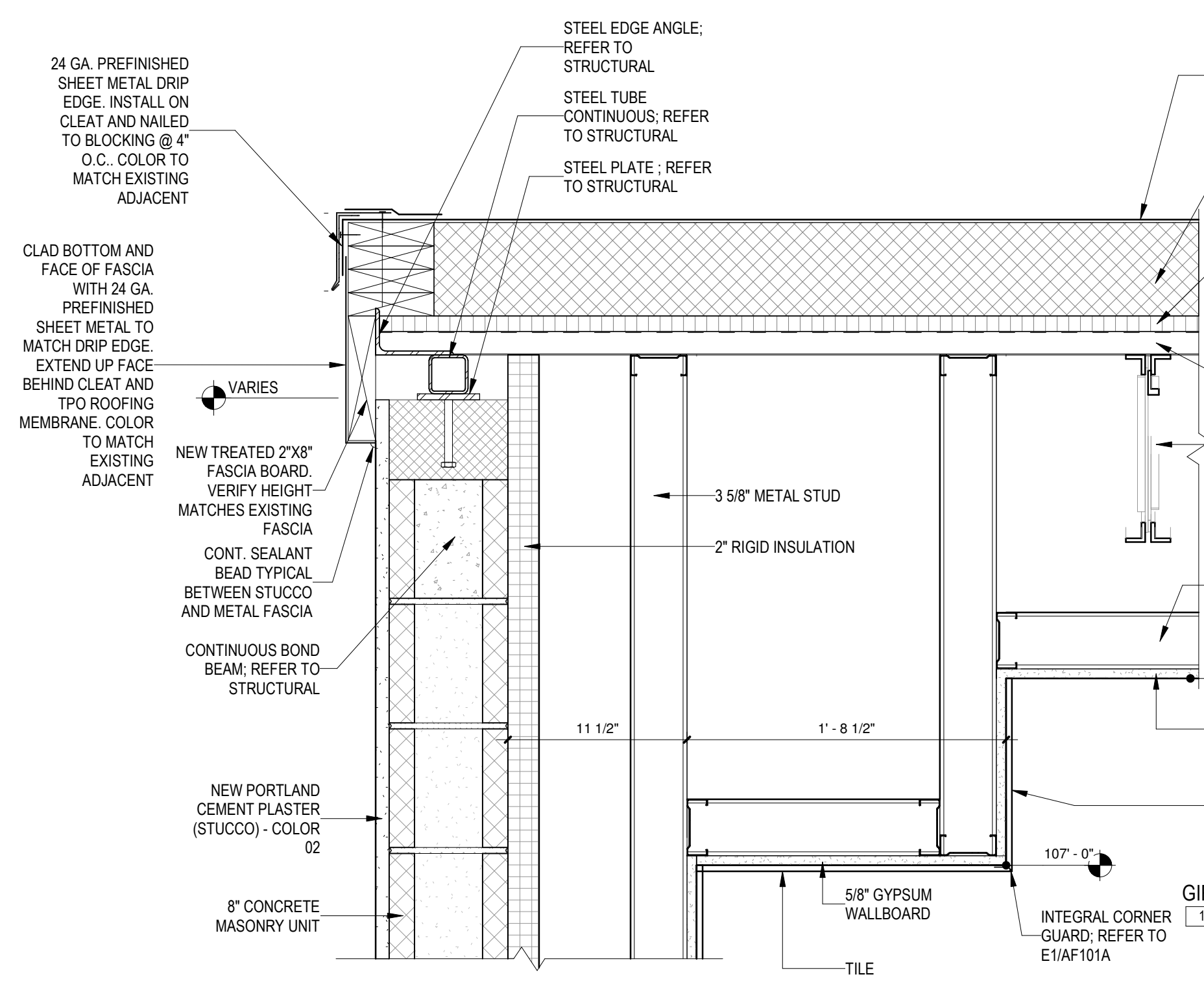
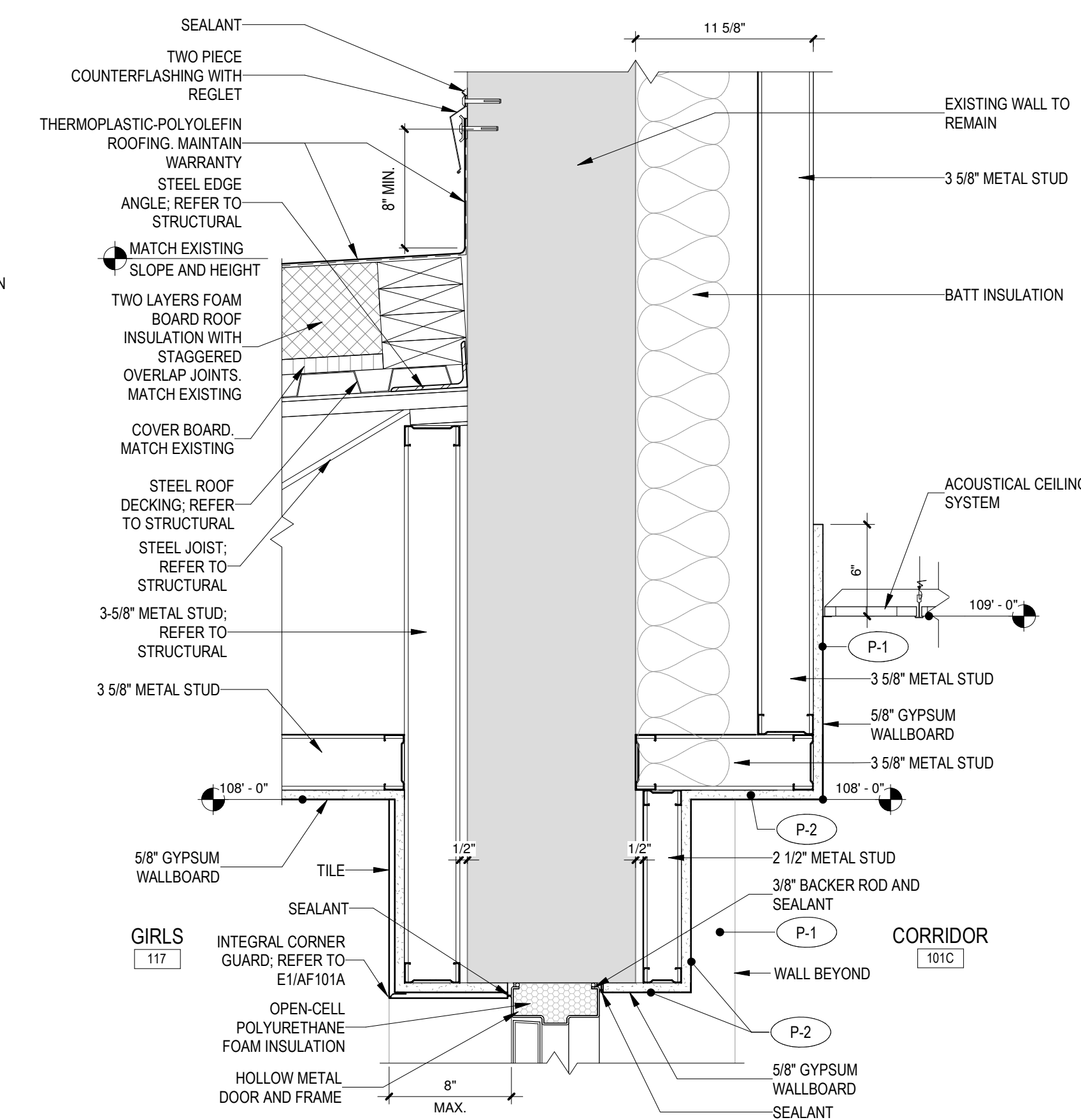
**E1** EXISTING ROOF DETAILS - FOR REFERENCE ONLY  
3/4" = 1'-0"



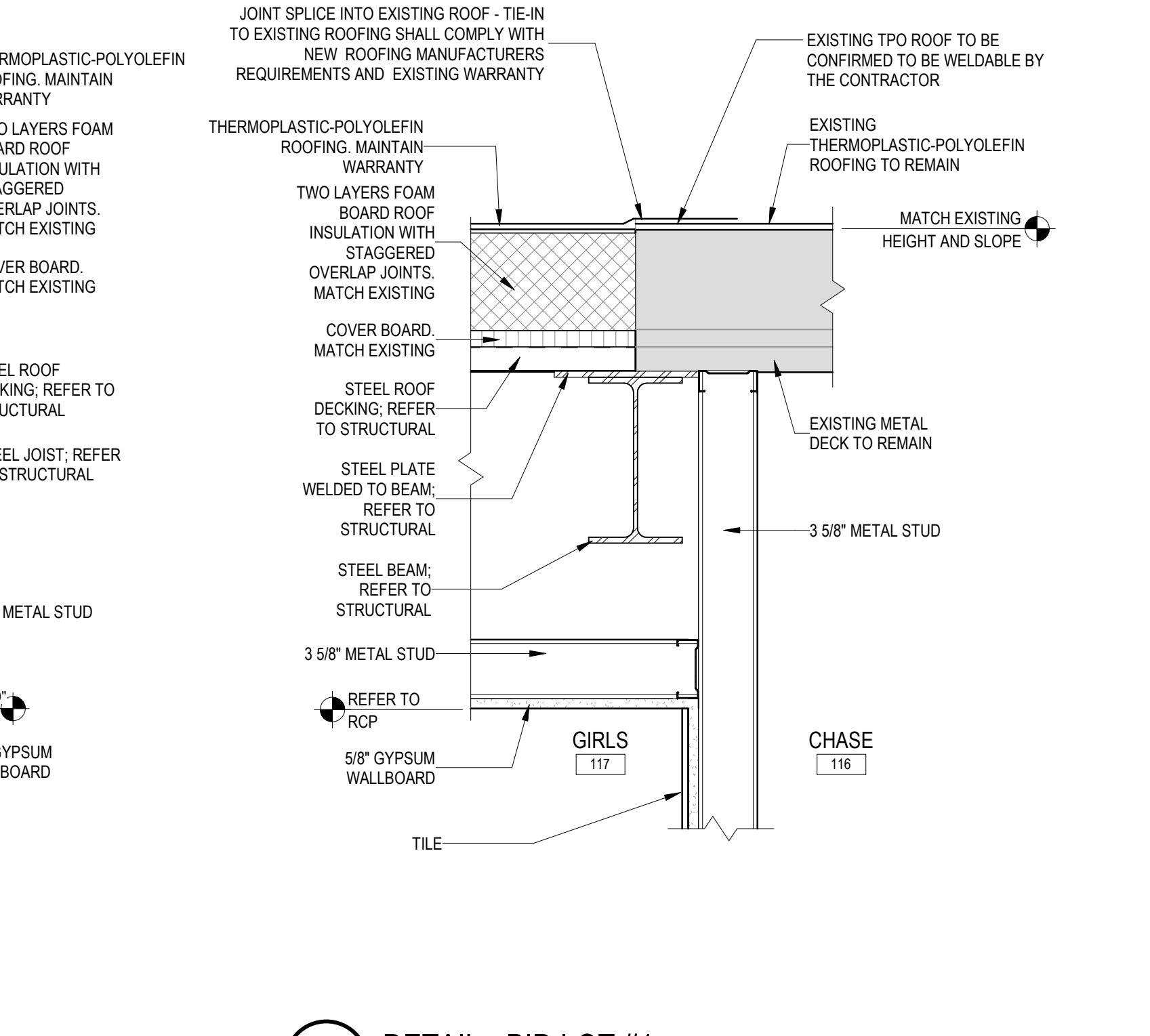
**D4** DETAIL - BID LOT #1  
1 1/2" = 1'-0"



**D6** DETAIL - BID LOT #1  
1 1/2" = 1'-0"

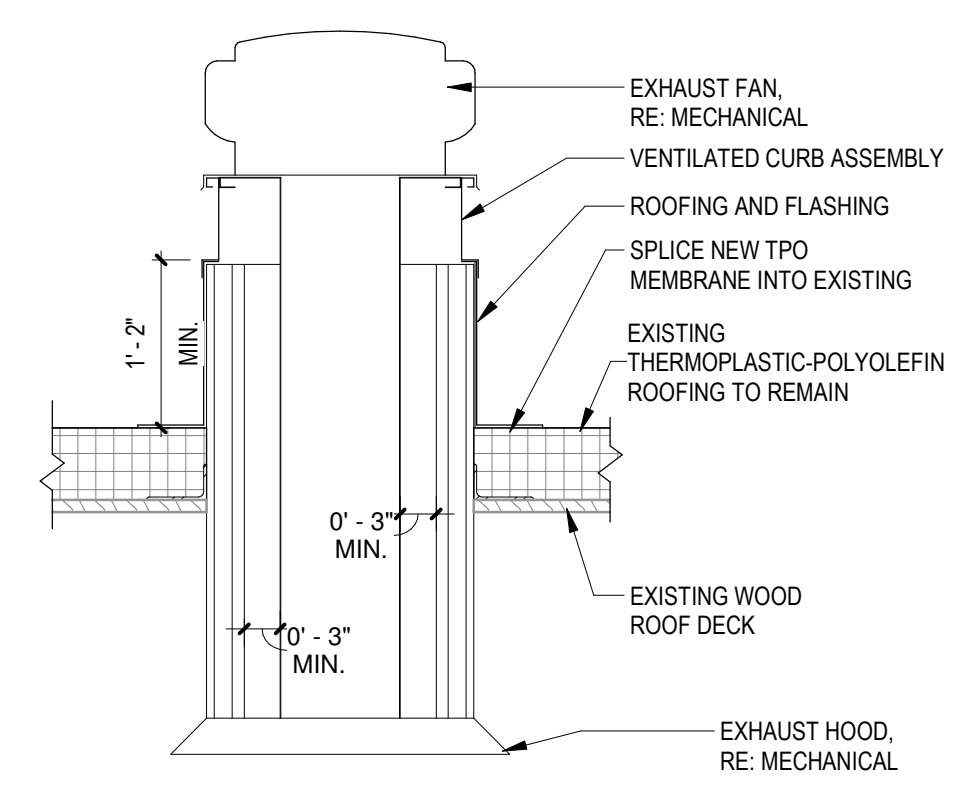


**C4** DETAIL - BID LOT #1  
1 1/2" = 1'-0"



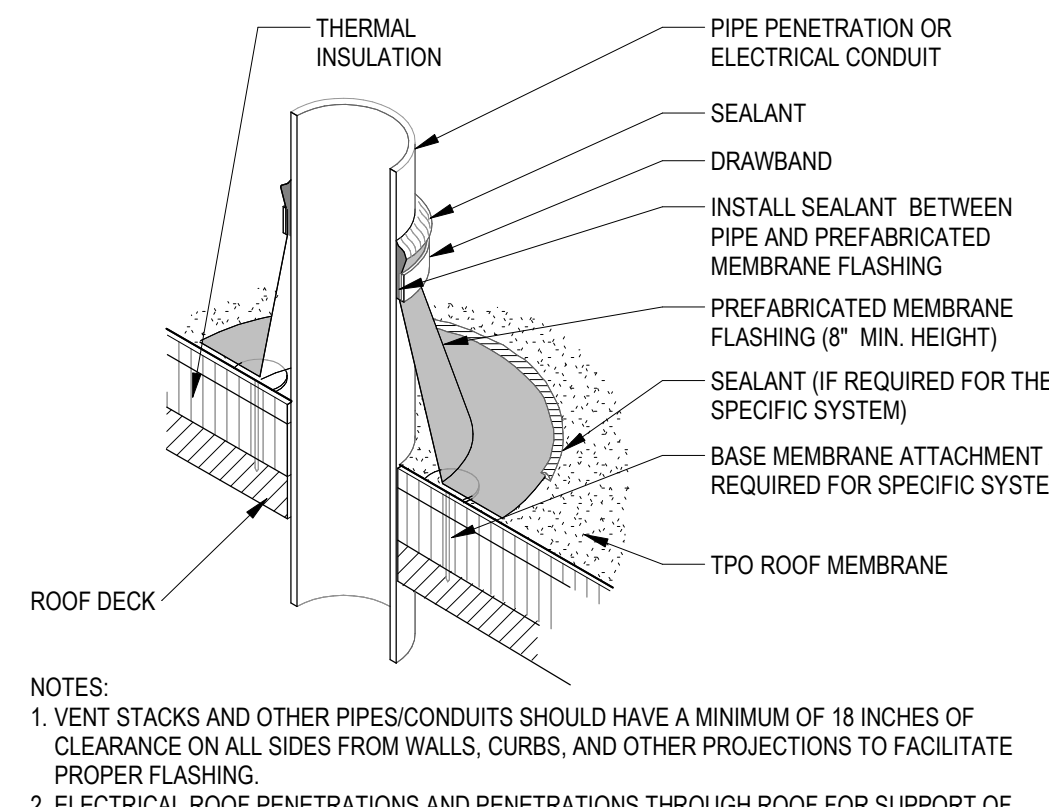
**C6** DETAIL - BID LOT #1  
1 1/2" = 1'-0"

NOTE: EXISTING ROOF WARRANTY TO BE MAINTAINED. ROOF DETAILS ARE FOR ILLUSTRATION PURPOSES ONLY AND MAY NOT ACCURATELY DEPICT THE REQUIREMENTS OF MAINTAINING THE ROOFING MANUFACTURER WARRANTY. ALL DETAILS FOR ROOFING SYSTEM TO BE PROVIDED BY THE ROOFING MANUFACTURER.



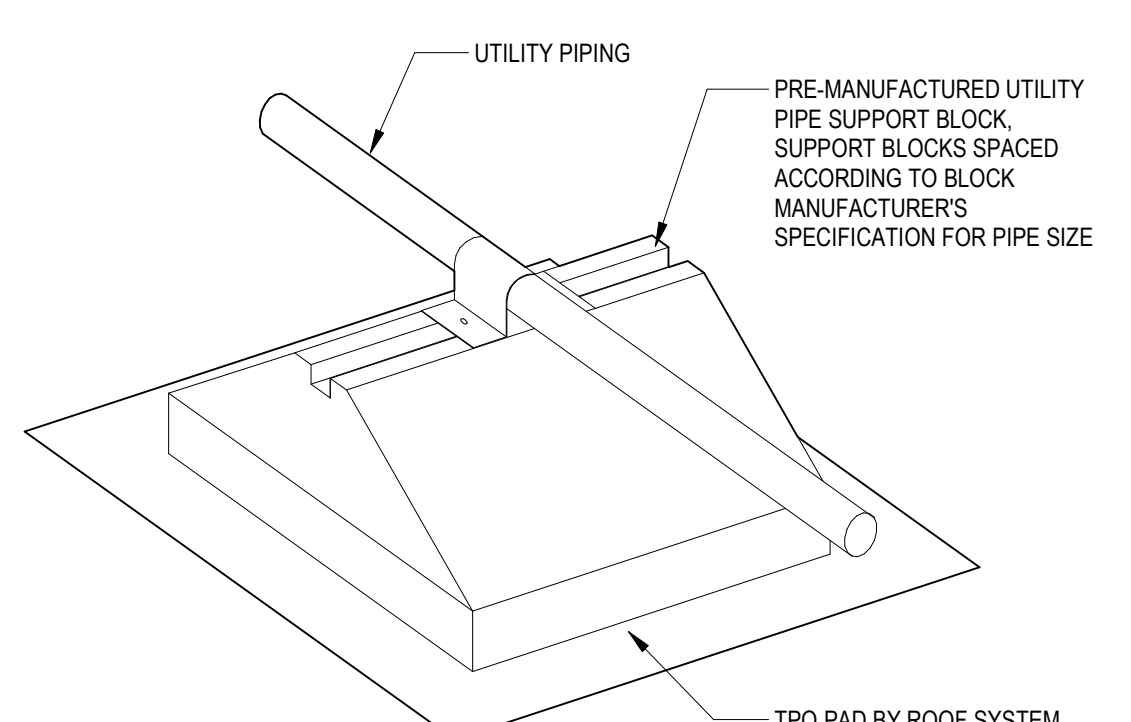
**A2** EXHAUST FAN  
3/4" = 1'-0"

\* ROOFING MEMBRANE SHOULD BE WRAPPED UP AND OVER THE TOP OF CURB AND SECURED PER MANUFACTURERS RECOMMENDATION

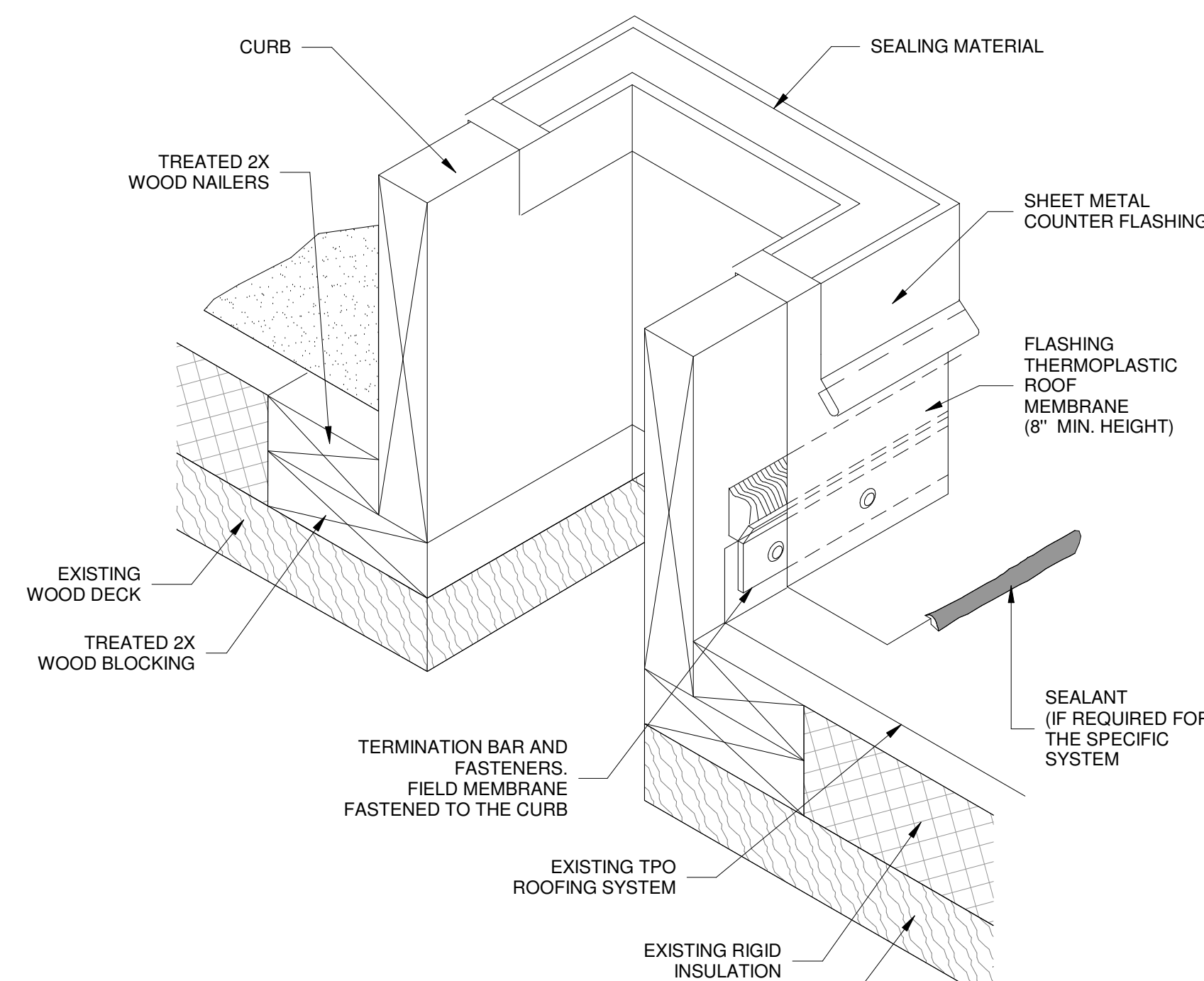


**A3** VENT PIPE  
3/4" = 1'-0"

NOTES:  
1. VENT STACKS AND OTHER PIPES/CONDUITS SHOULD HAVE A MINIMUM OF 18 INCHES OF CLEARANCE ON ALL SIDES FROM WALLS, CURBS, AND OTHER PROJECTIONS TO FACILITATE PROPER FLASHING.  
2. ELECTRICAL ROOF PENETRATIONS AND PENETRATIONS THROUGH ROOF FOR SUPPORT OF ELECTRICAL DEVICES ARE TO BE OF 1" OR GREATER ROUND PIPE OR CONDUIT (NOT UNISTRUT OR SUPPORTS WITH SQUARE PROFILES).

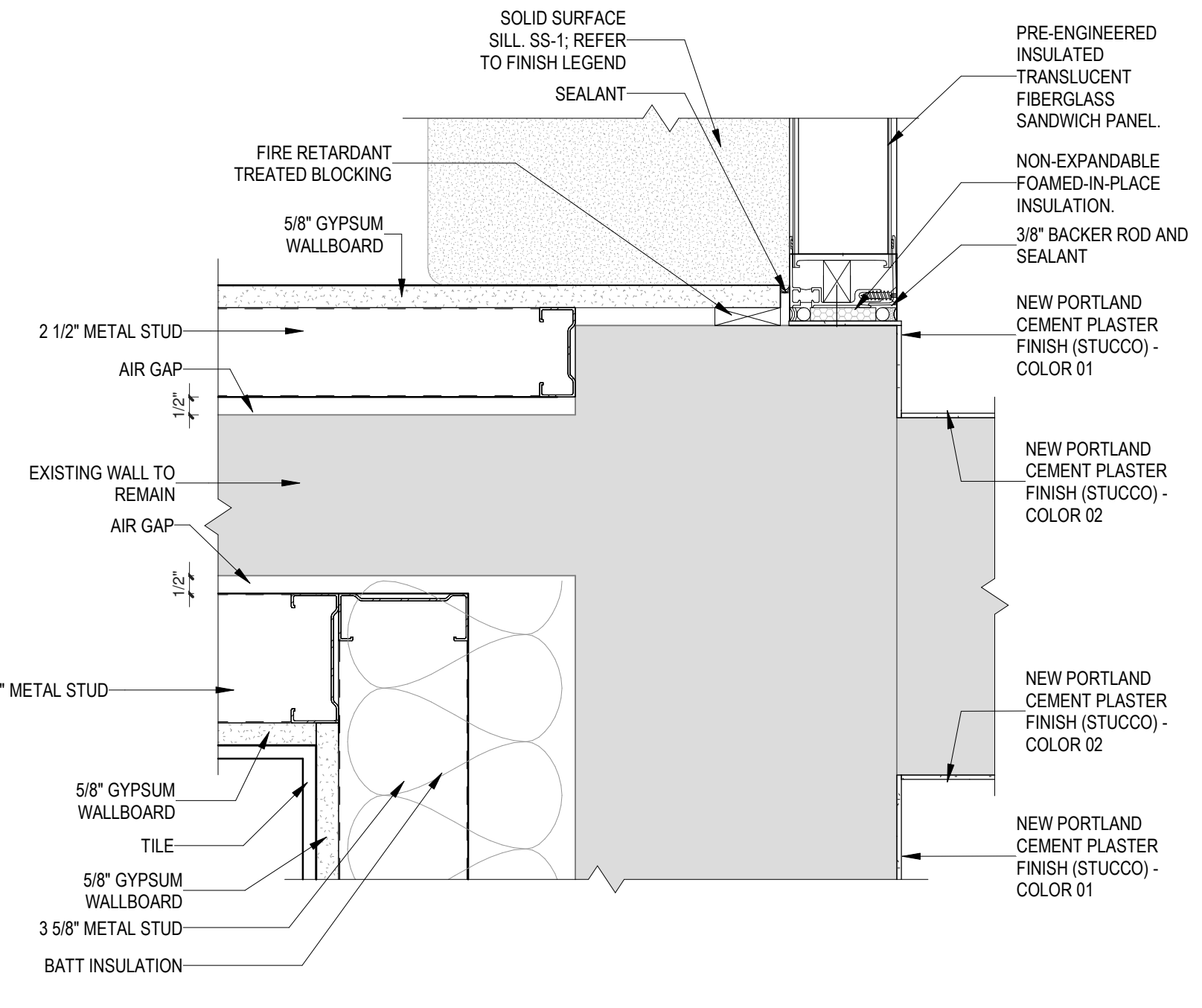


**A4** UTILITY PIPING  
1 1/2" = 1'-0"

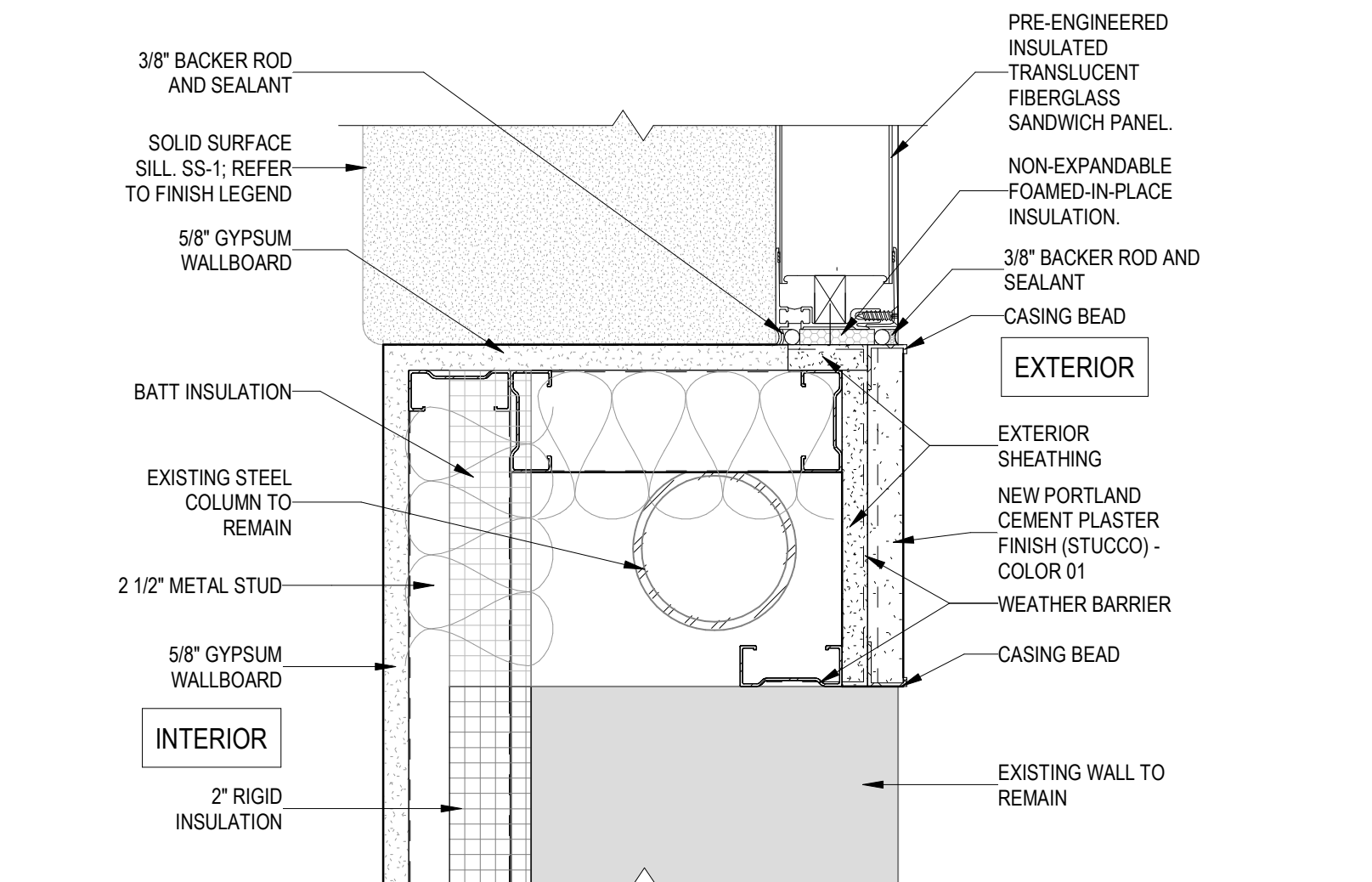


**A6** CURB  
1 1/2" = 1'-0"

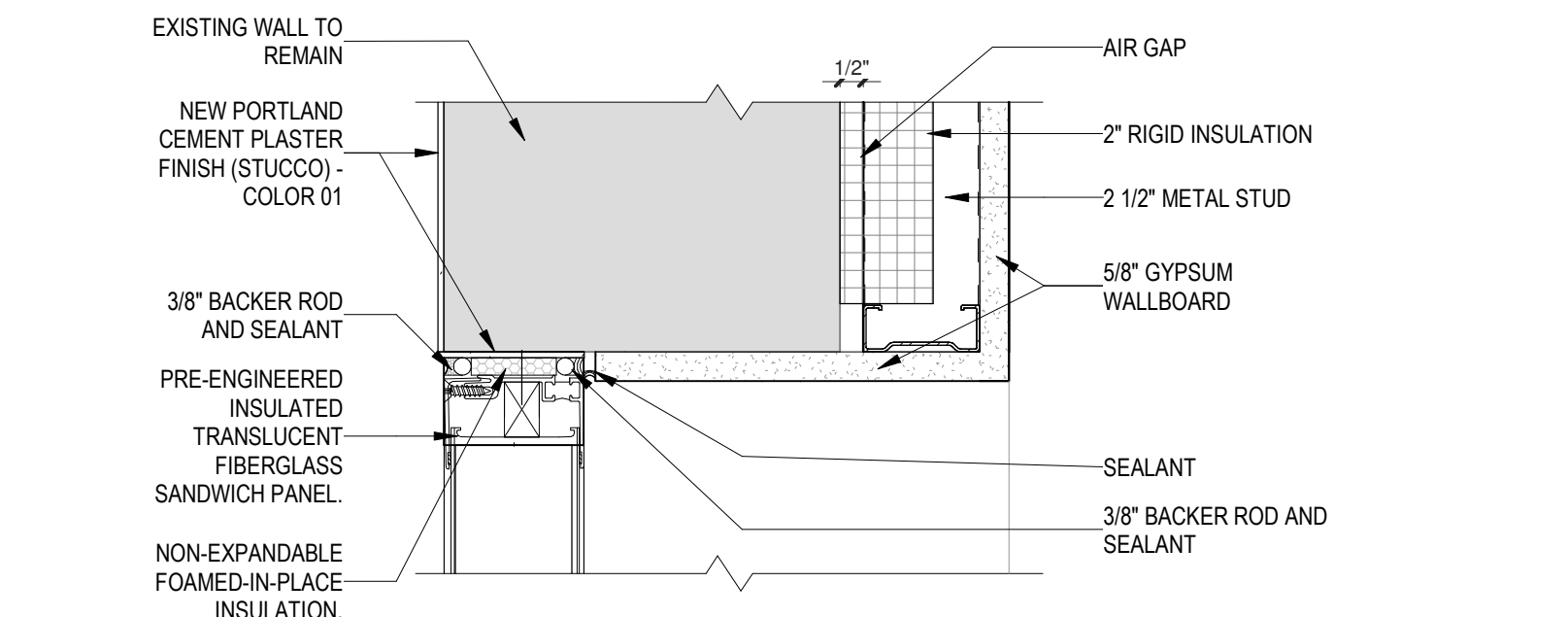




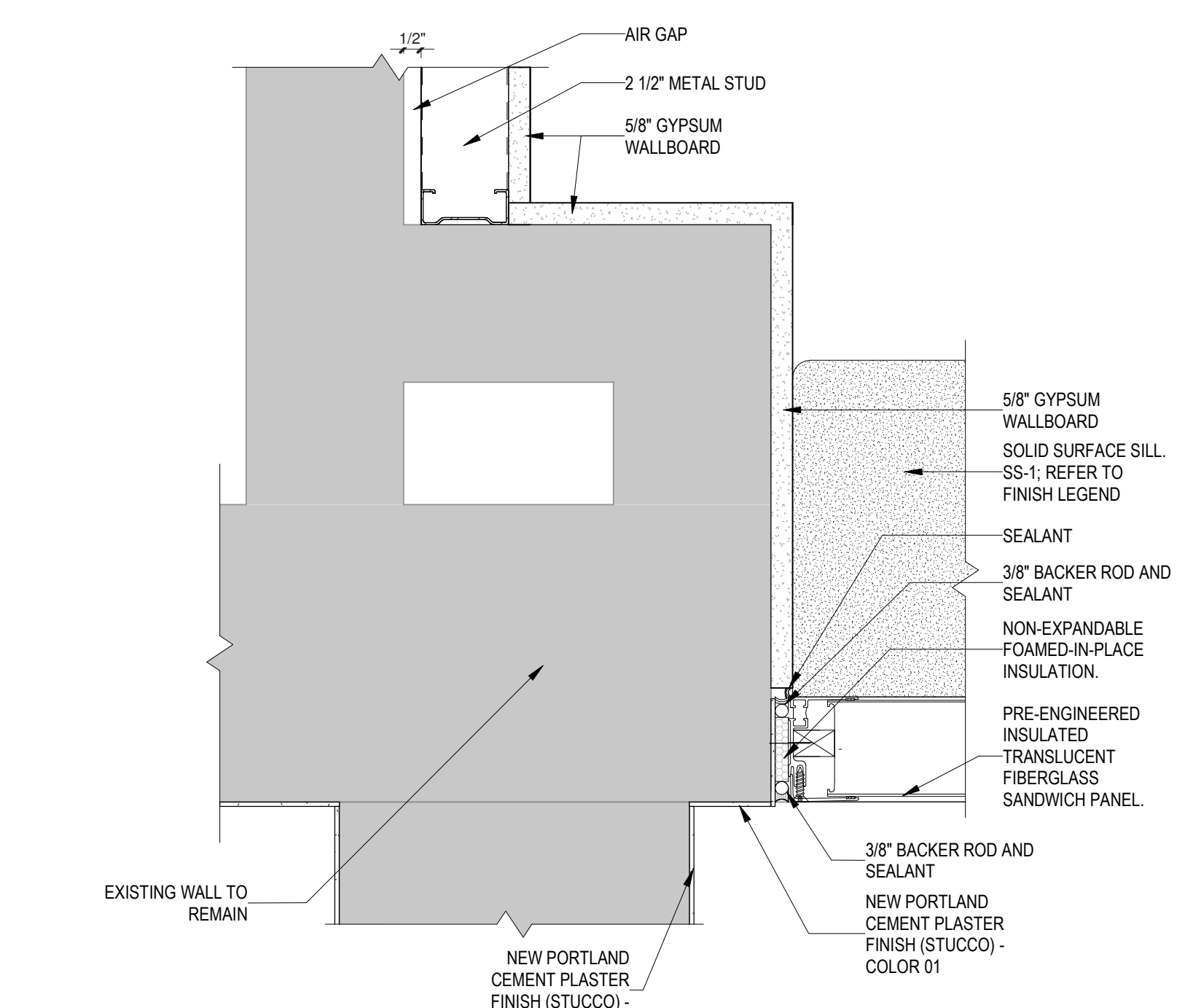
E1 JAMB DETAIL  
3" = 1'-0"



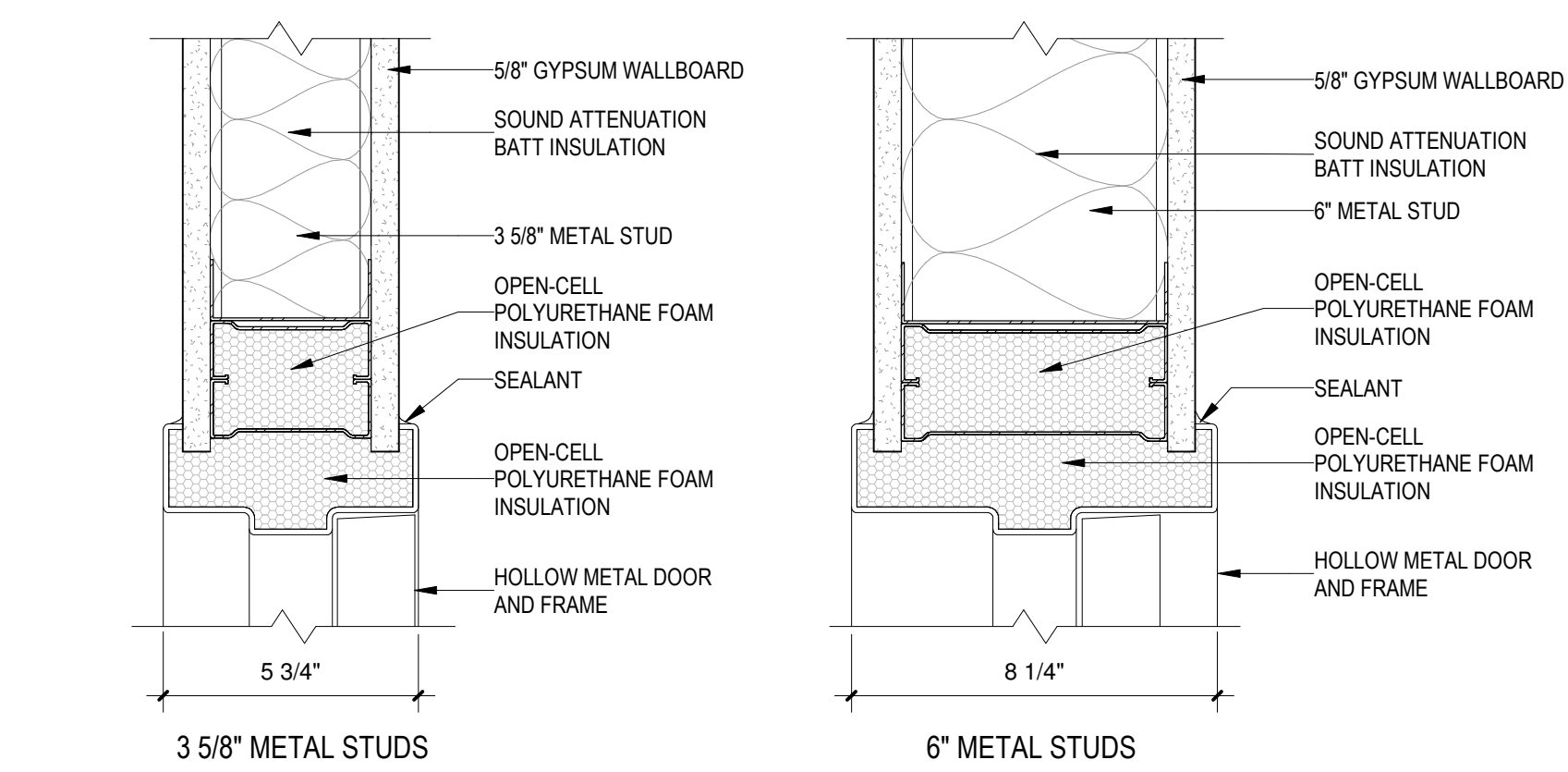
D1 JAMB DETAIL  
3" = 1'-0"



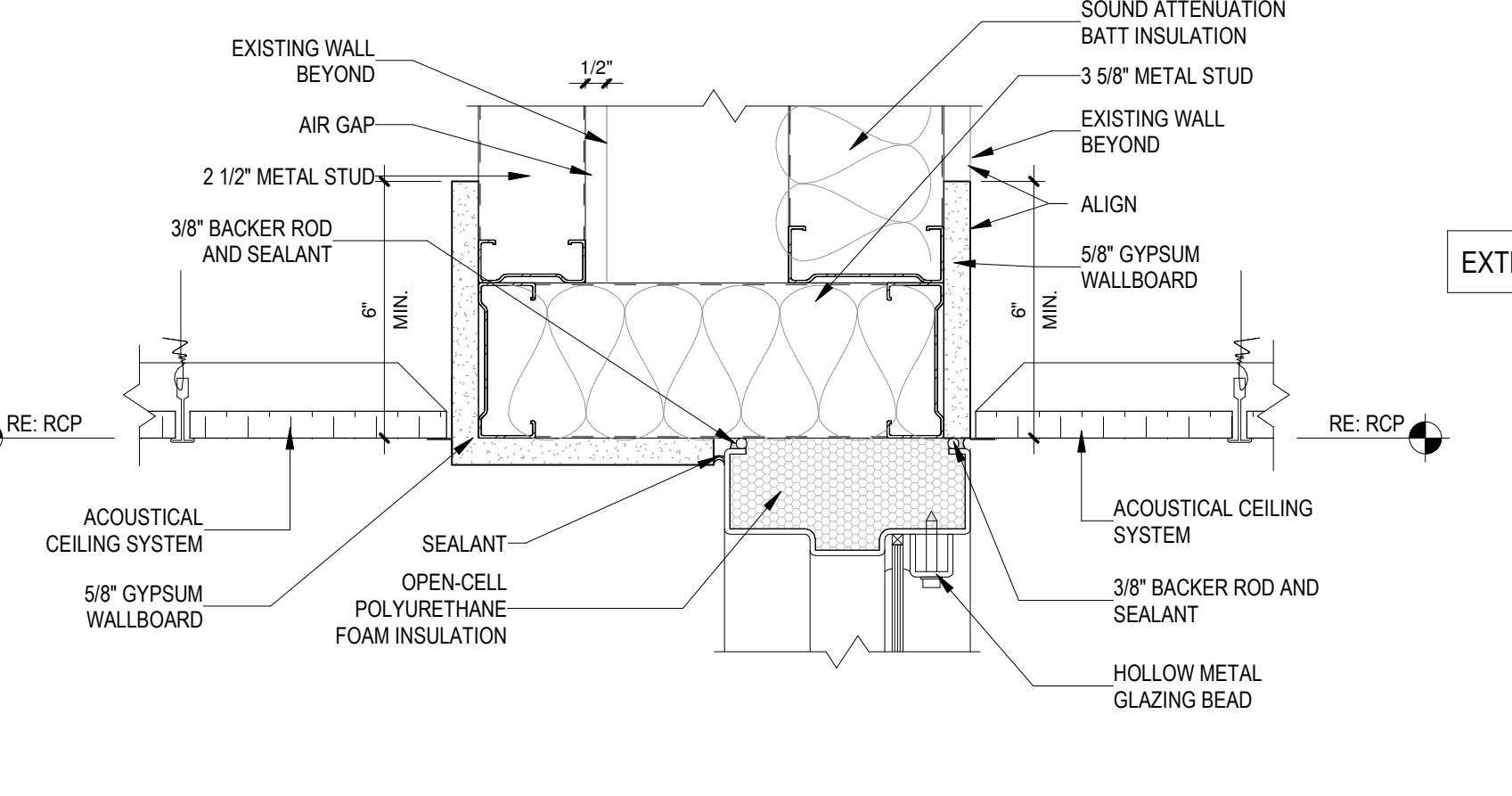
B1 HEAD DETAIL - BID LOT #1  
3" = 1'-0"



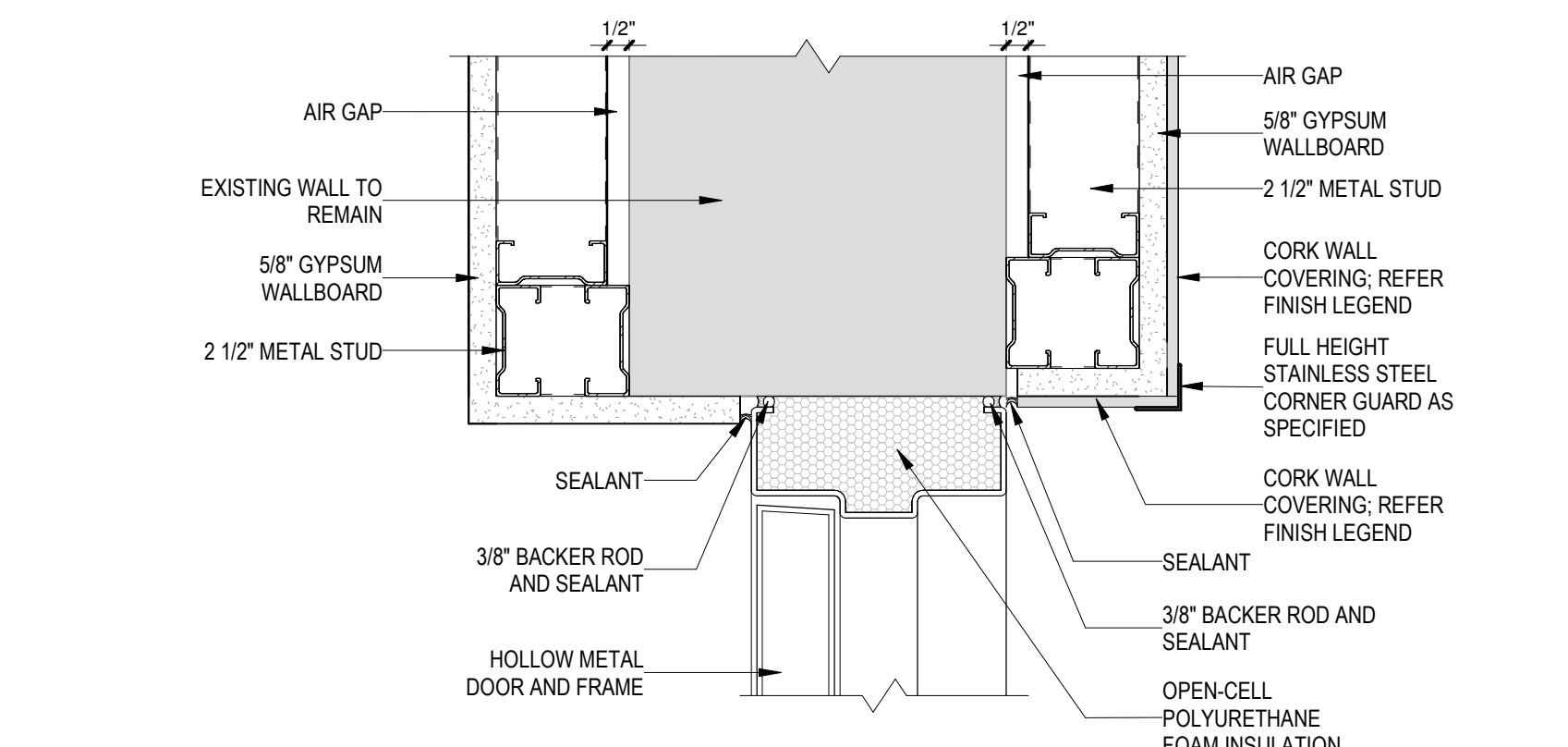
A1 JAMB DETAIL  
3" = 1'-0"



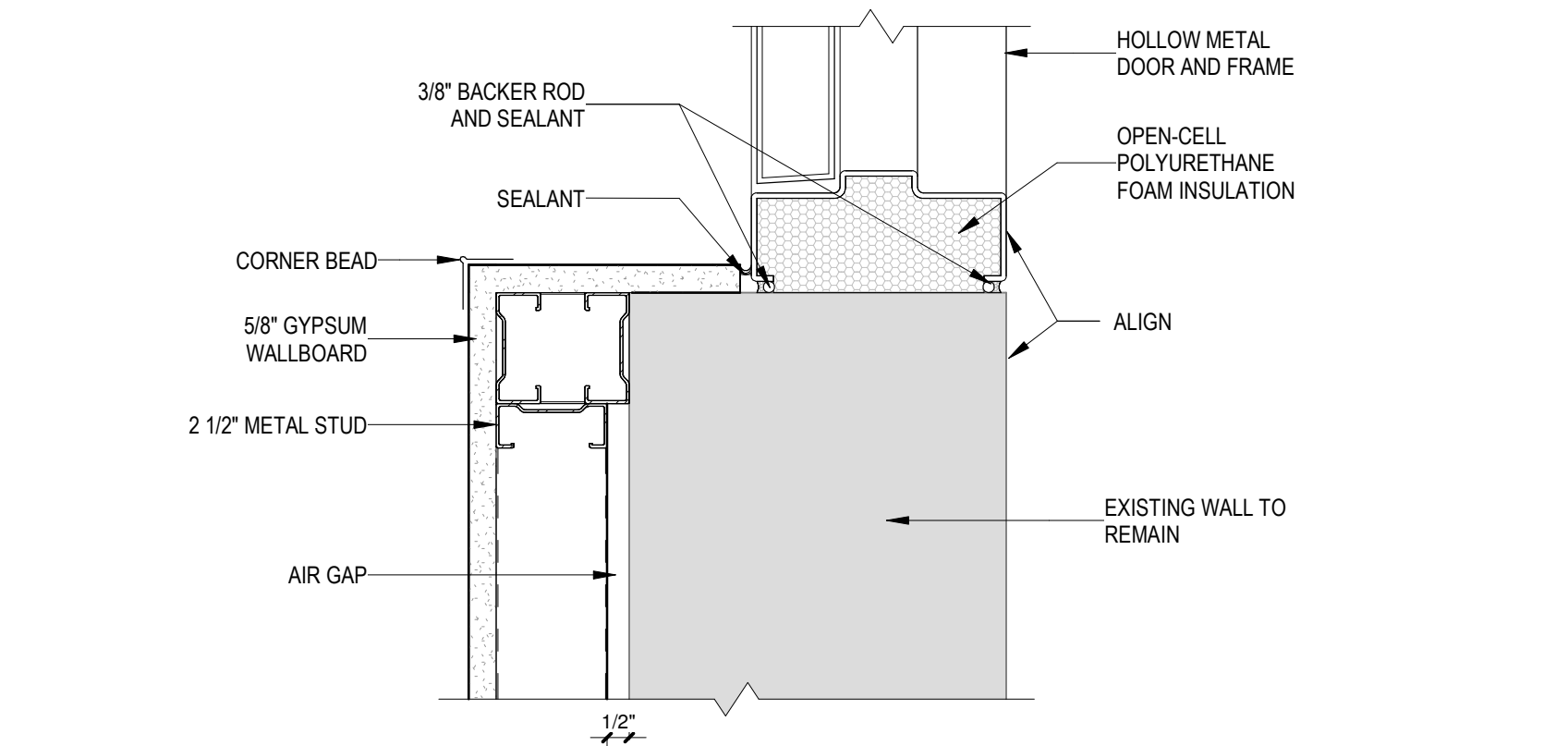
E2 DETAIL  
3" = 1'-0"



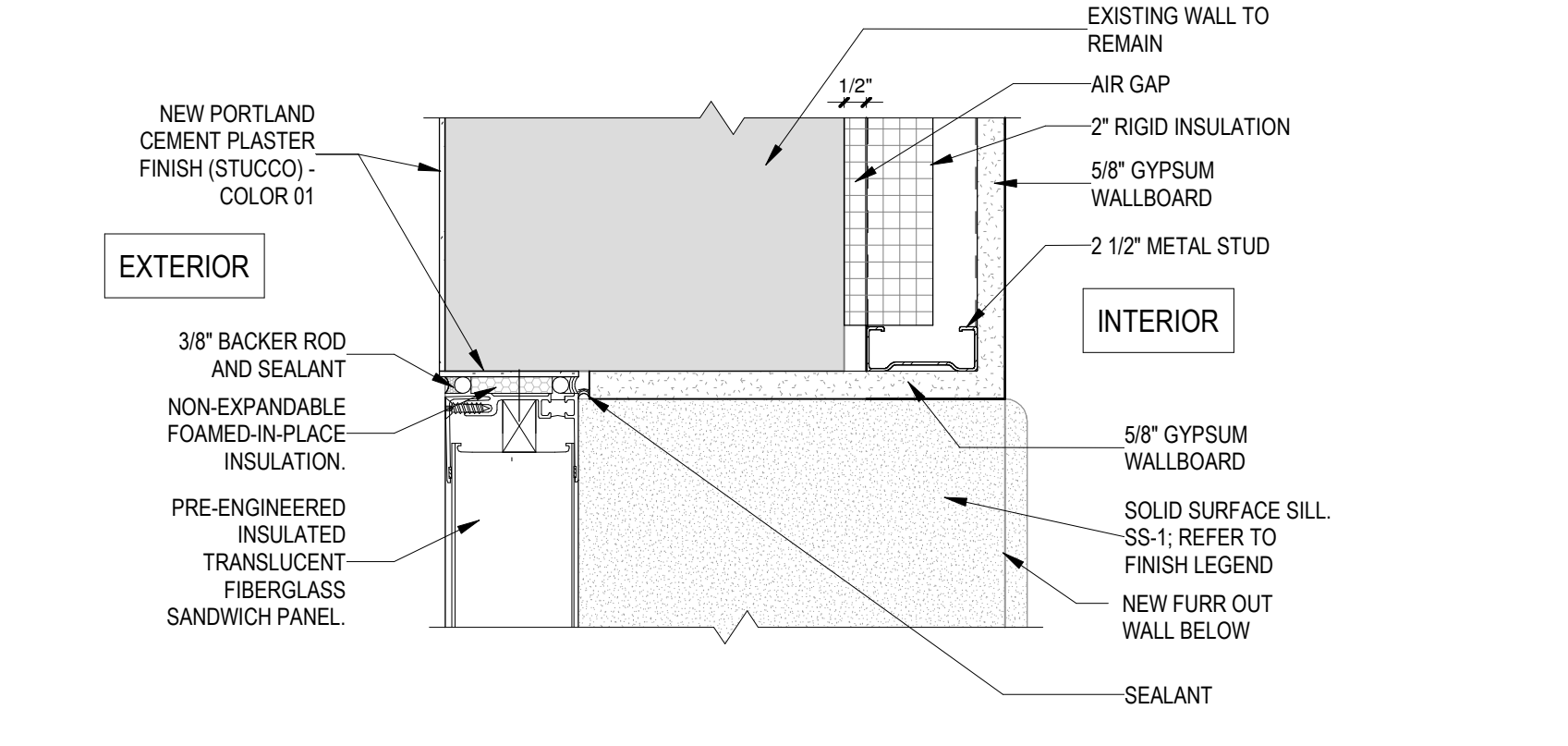
D2 HEAD DETAIL  
3" = 1'-0"



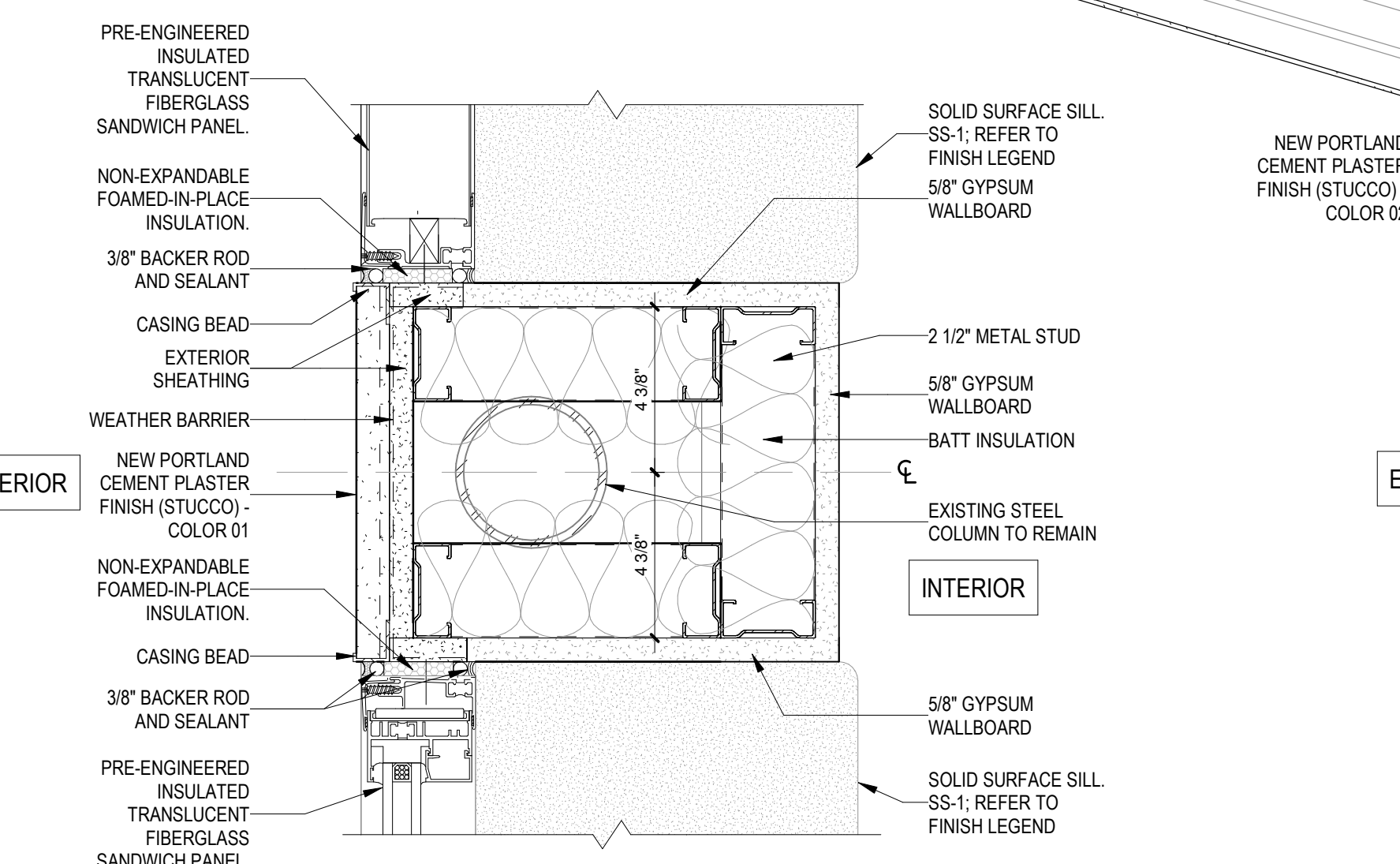
C2 JAMB DETAIL  
3" = 1'-0"



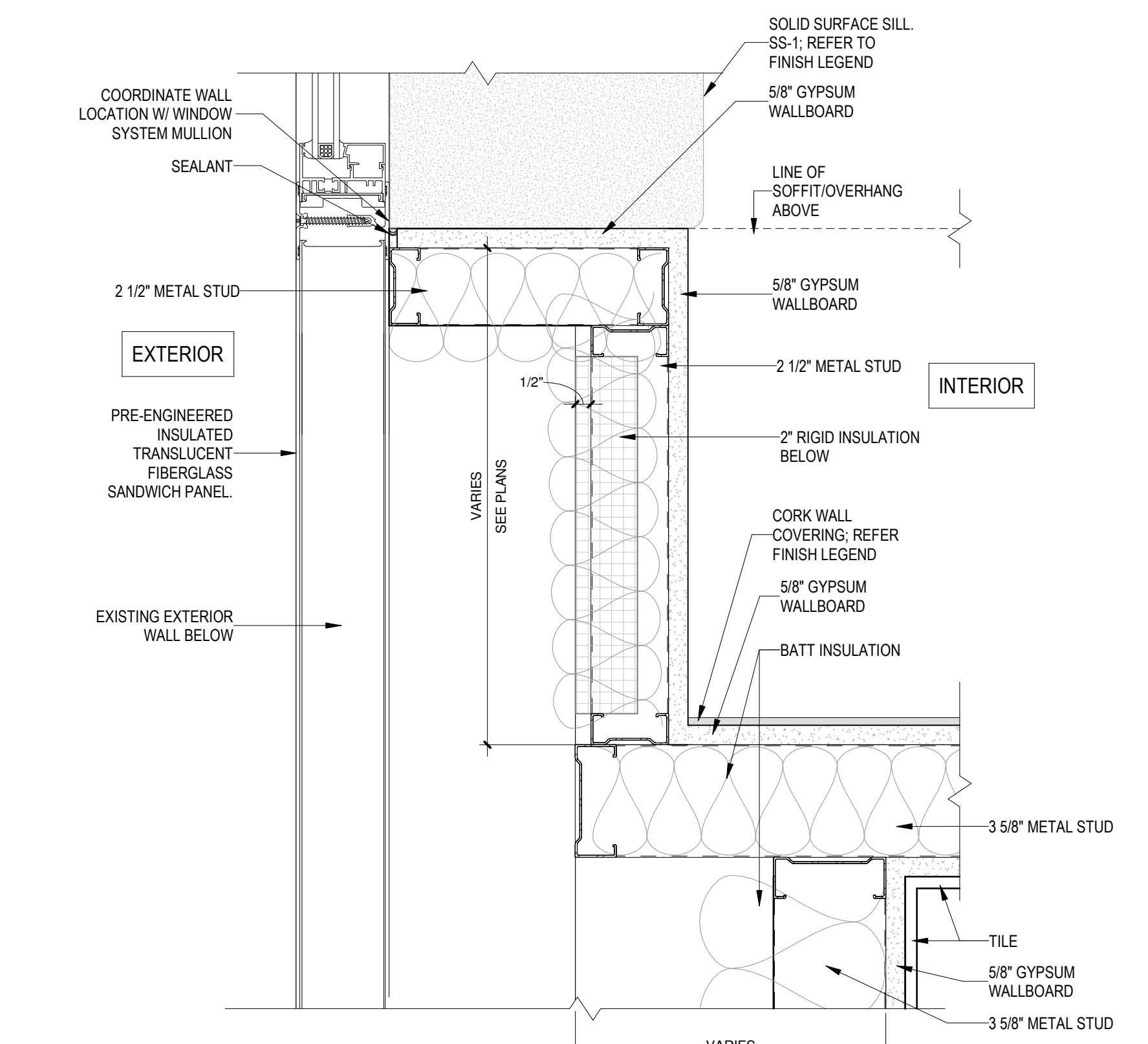
B2 JAMB DETAIL  
3" = 1'-0"



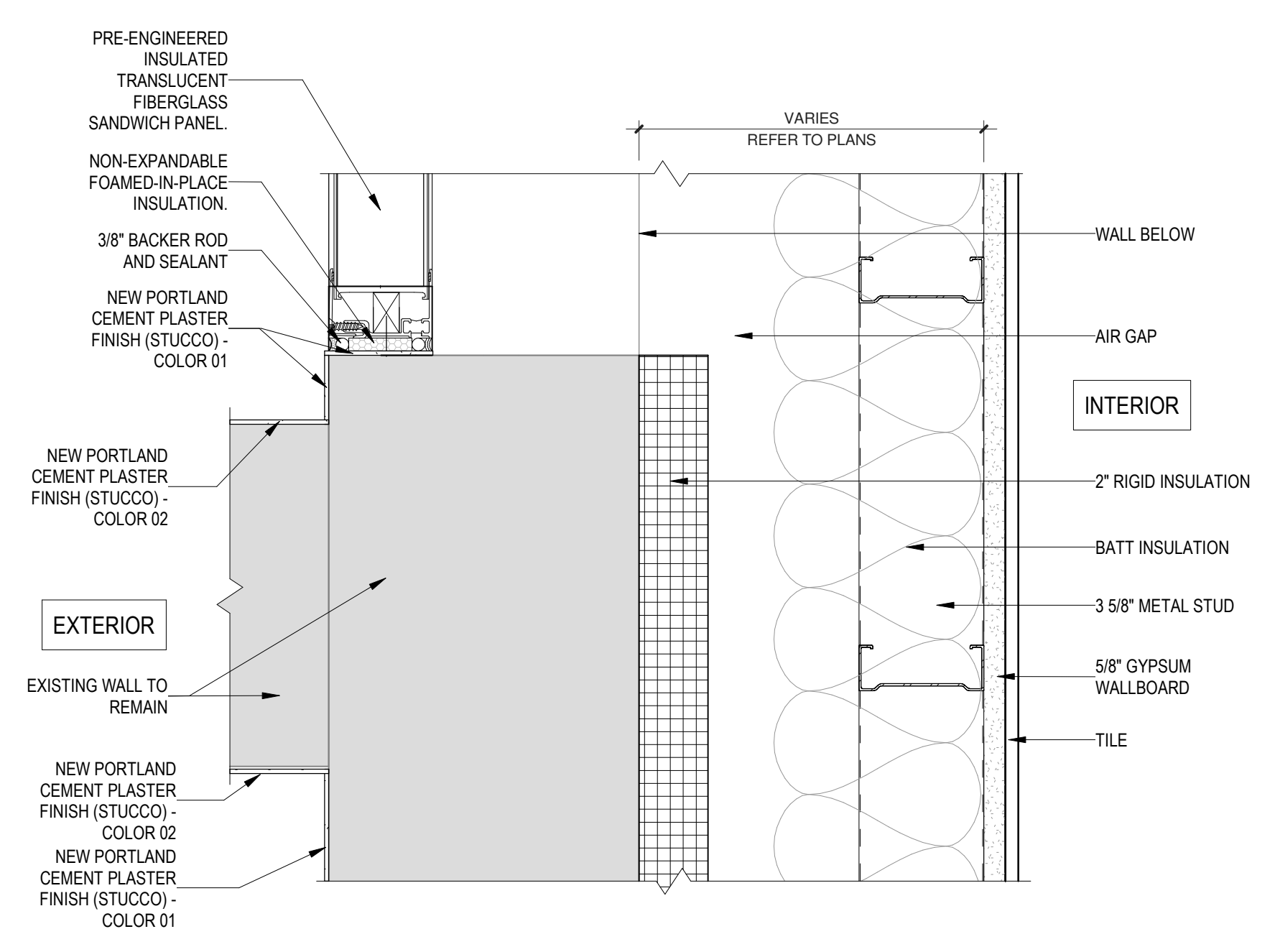
A2 JAMB DETAIL  
3" = 1'-0"



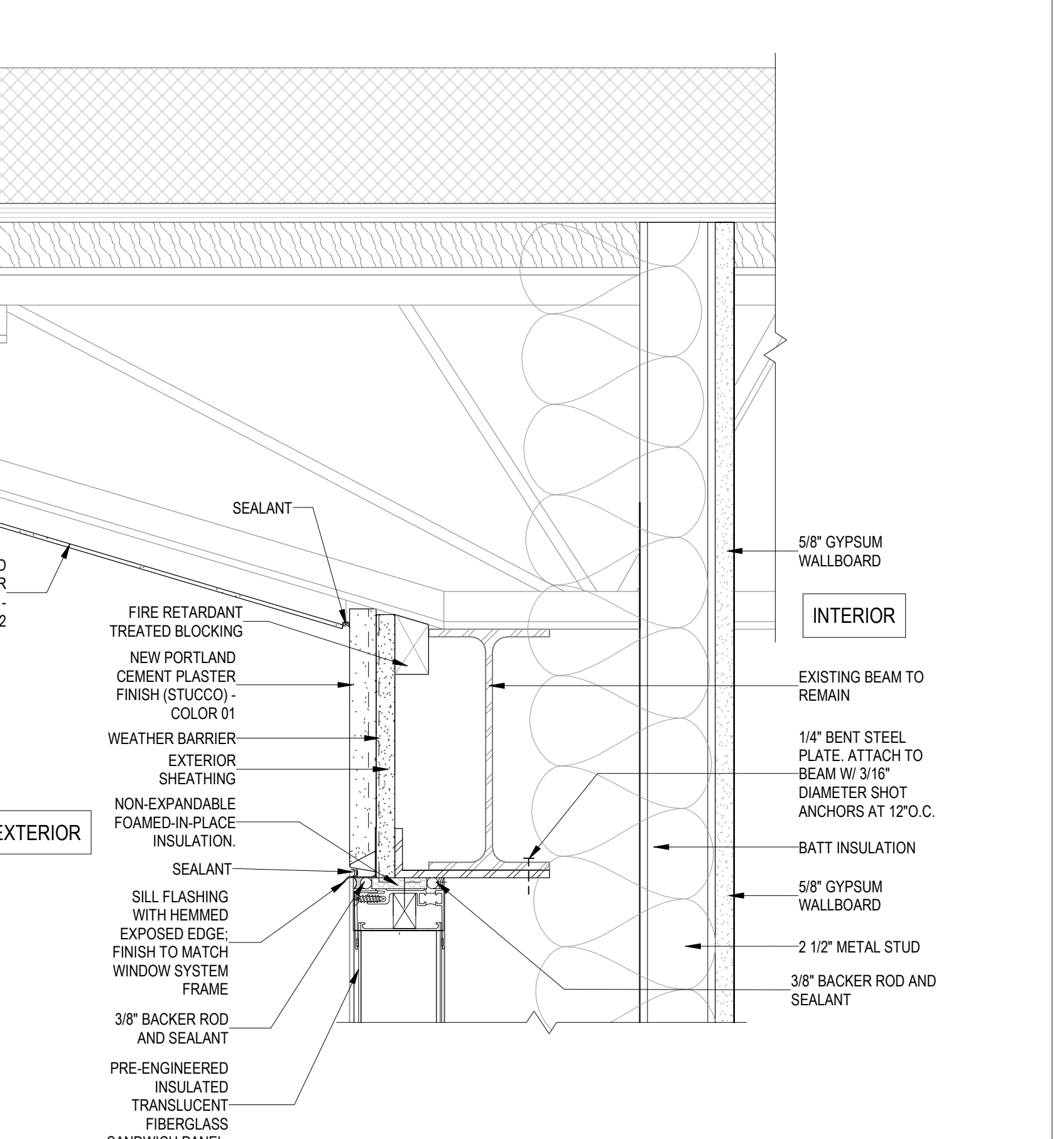
D4 JAMB DETAIL  
3" = 1'-0"



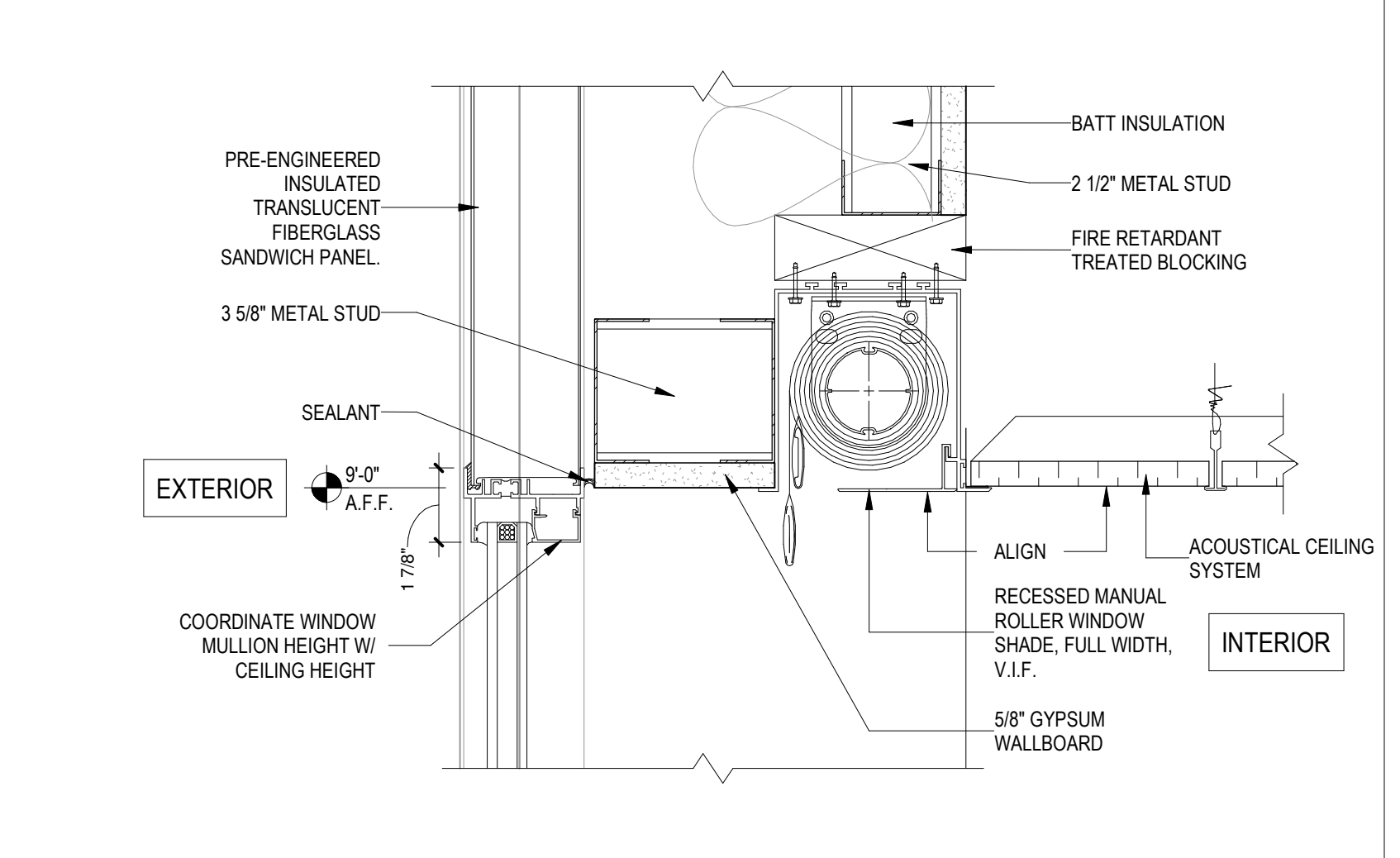
B4 EXTERIOR JAMB DETAIL  
3" = 1'-0"



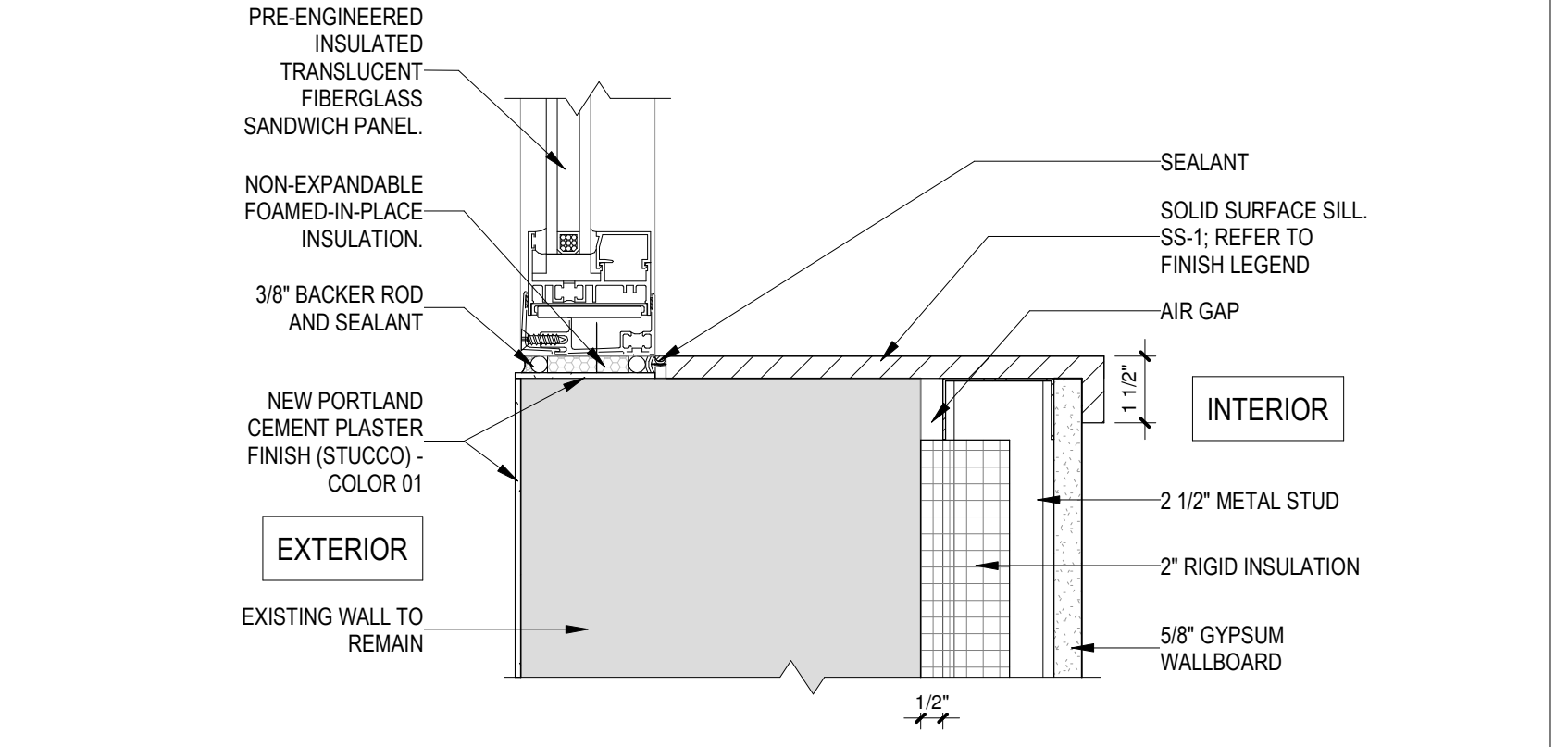
A4 JAMB DETAIL  
3" = 1'-0"



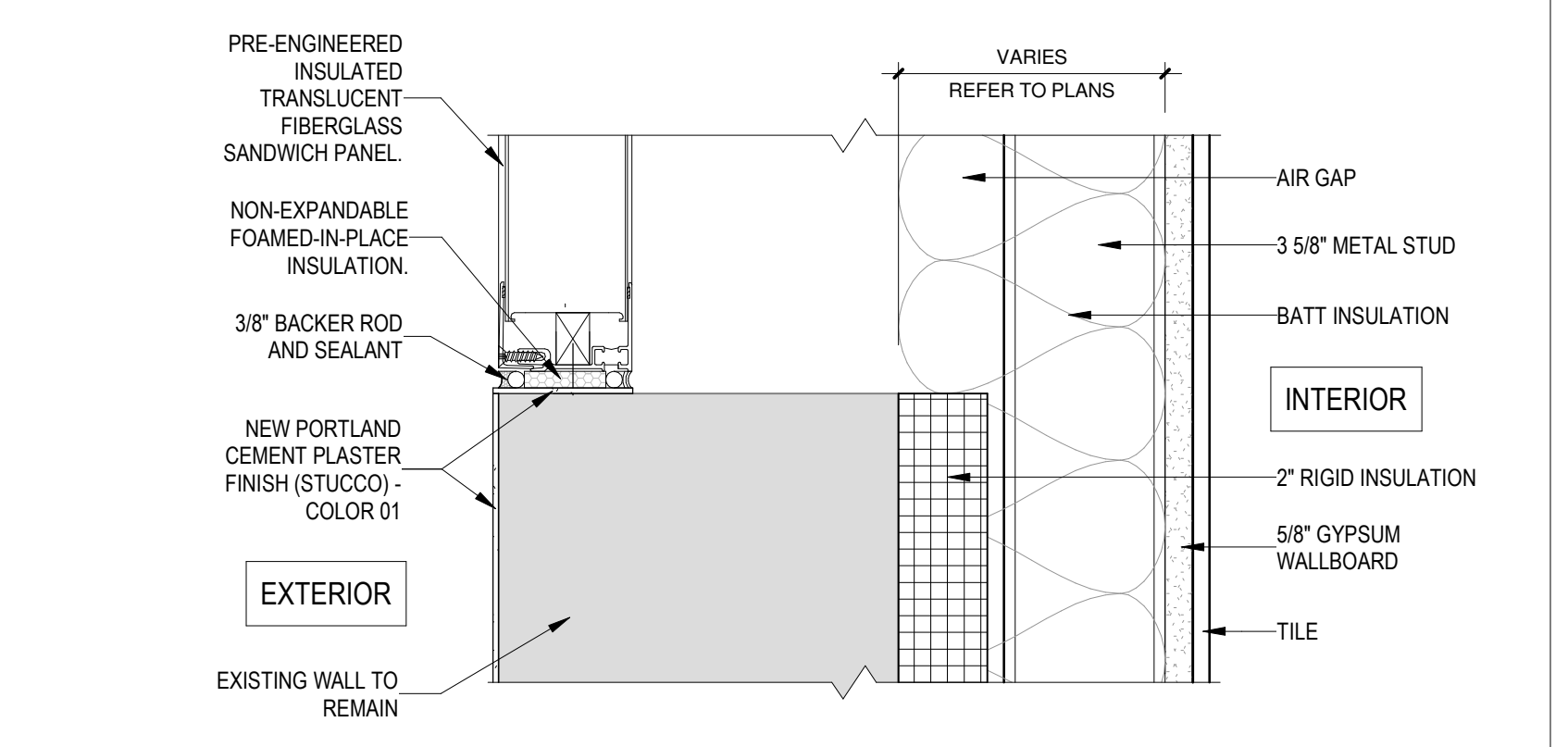
D6 HEAD DETAIL  
3" = 1'-0"



C6 INTERMEDIATE HEAD DETAIL  
3" = 1'-0"

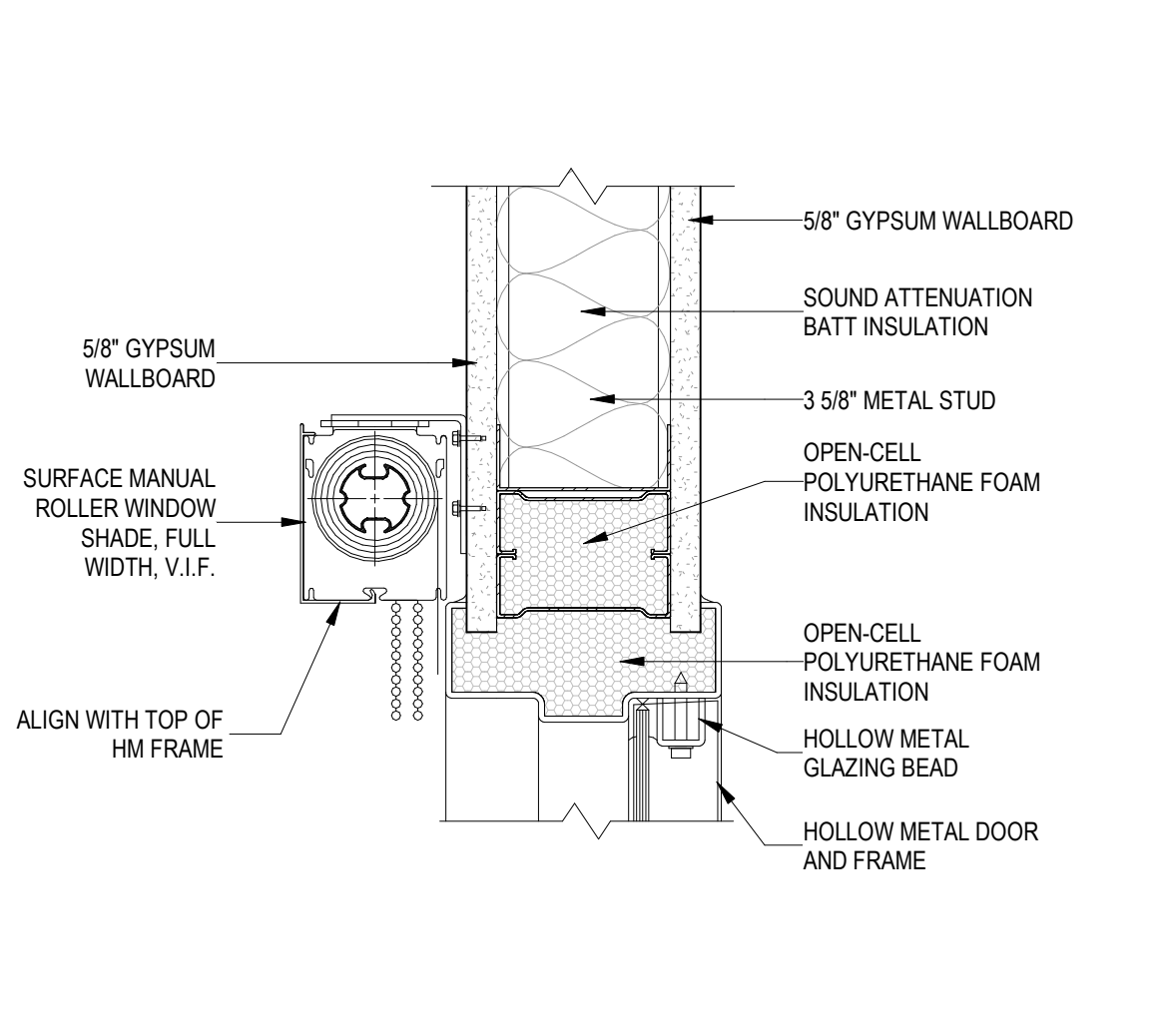


B6 SILL DETAIL  
3" = 1'-0"

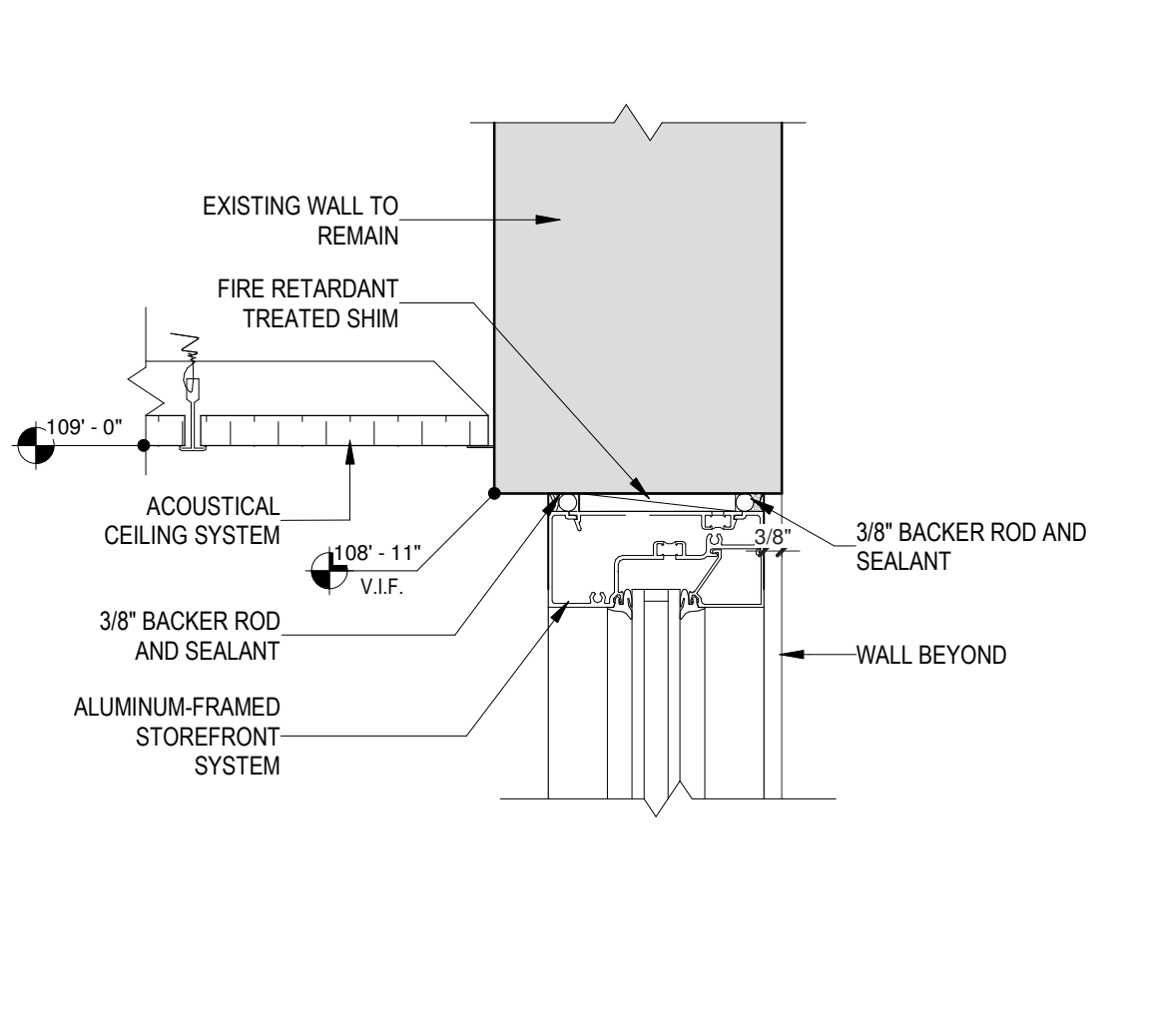


A6 SILL DETAIL  
3" = 1'-0"

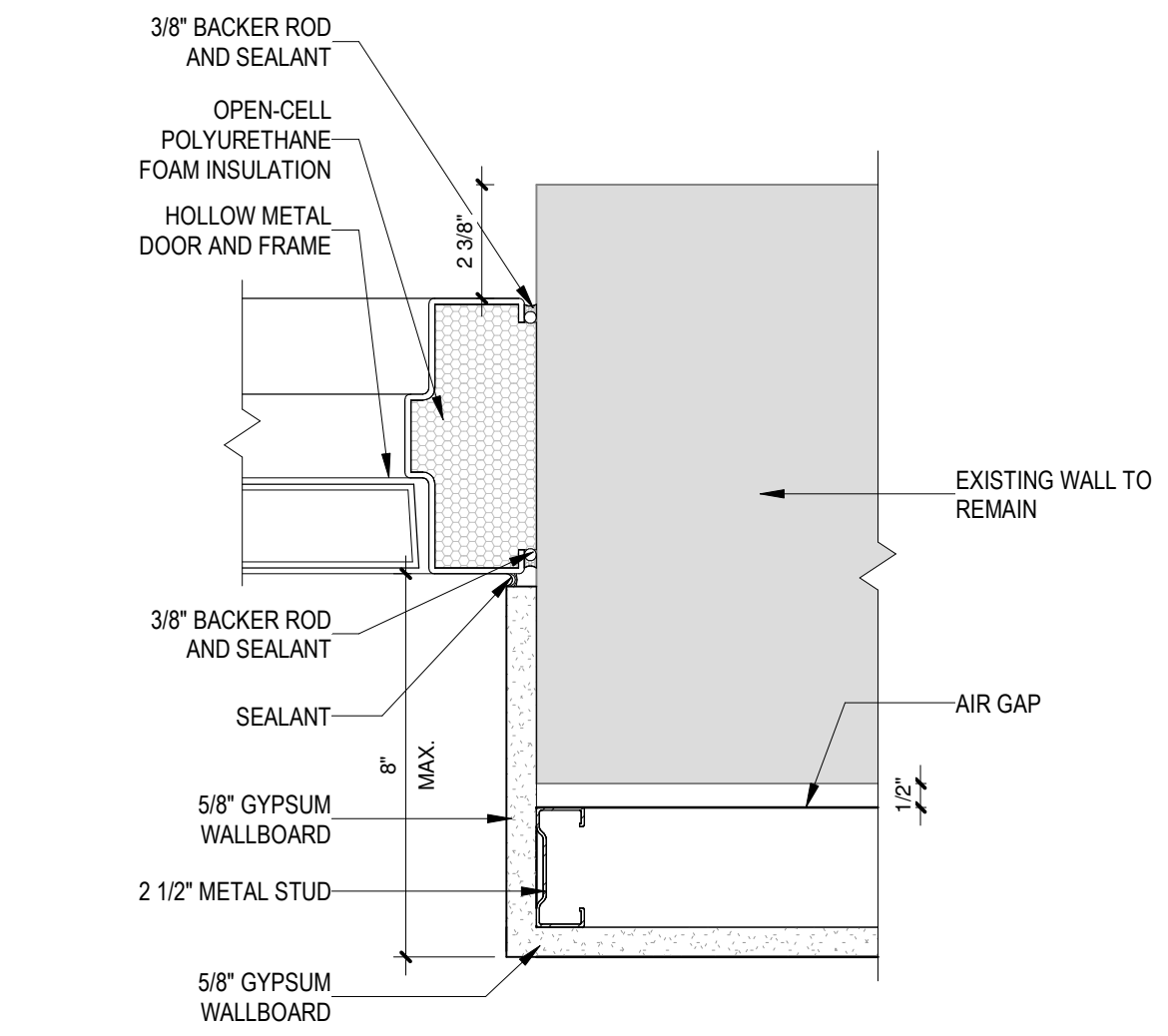




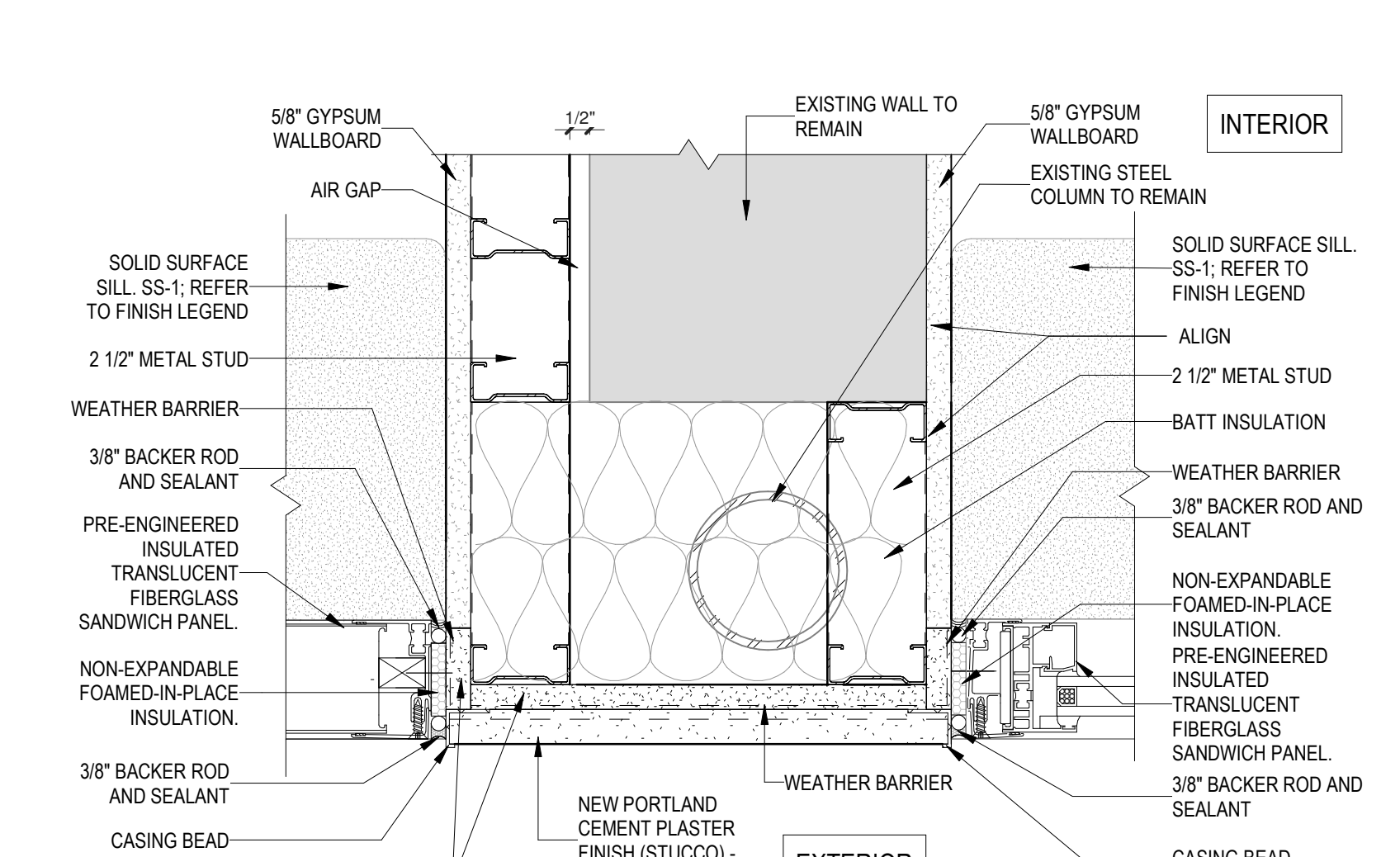
E1 HEAD DETAIL - BID LOT #1  
3" = 1'-0"



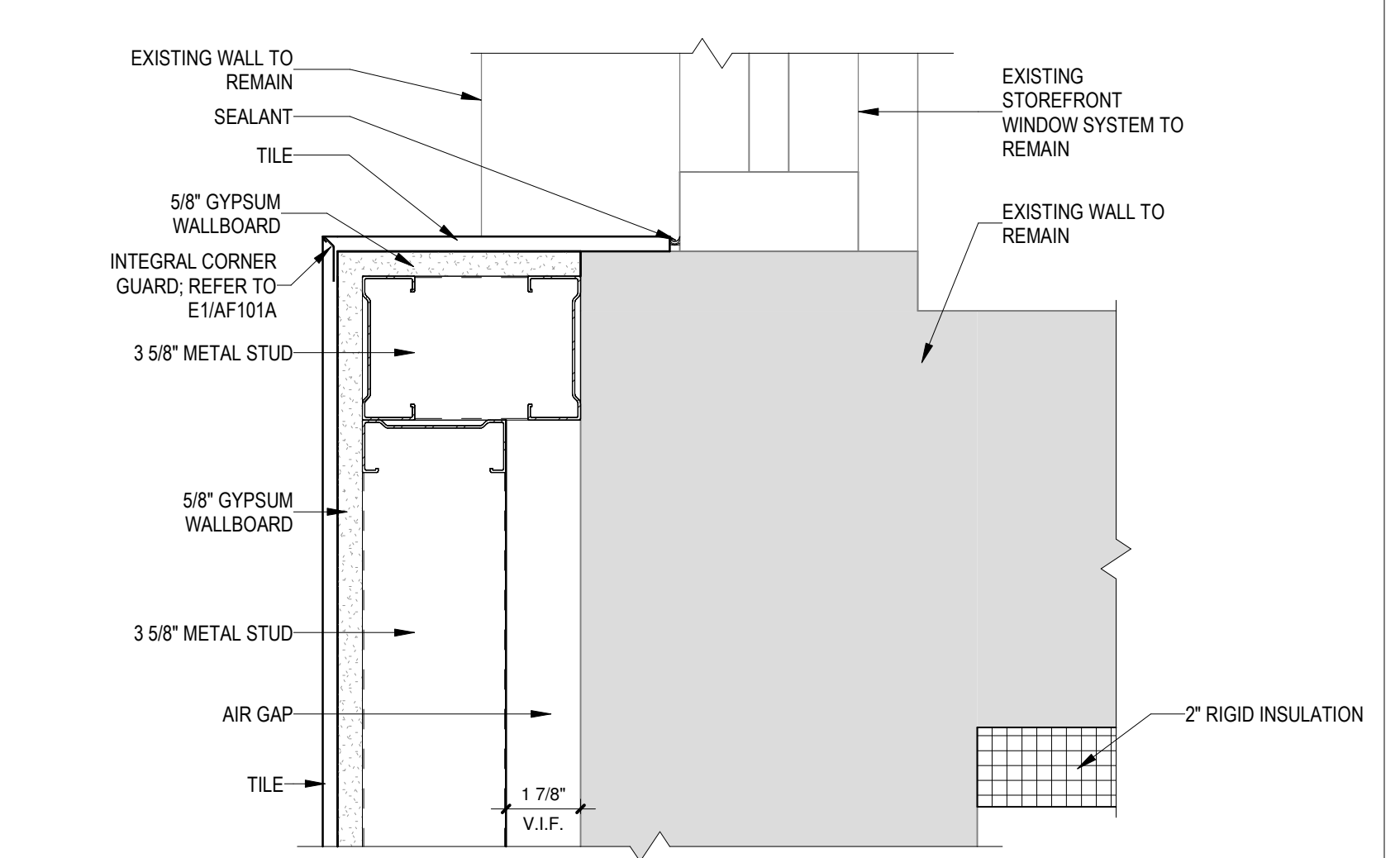
E2 HEAD DETAIL - BID LOT #1  
3" = 1'-0"



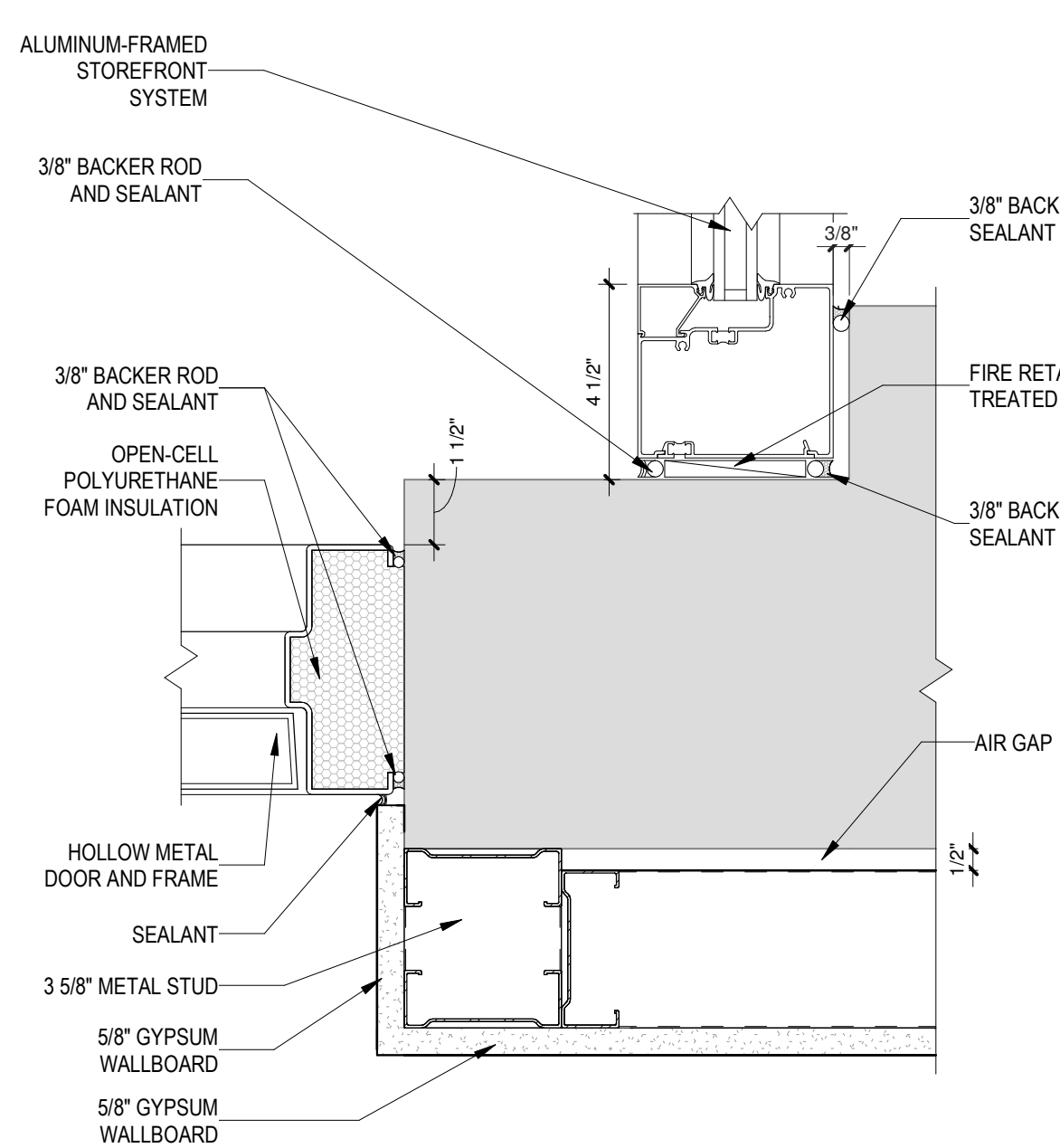
E3 JAMB DETAIL - BID LOT #1  
3" = 1'-0"



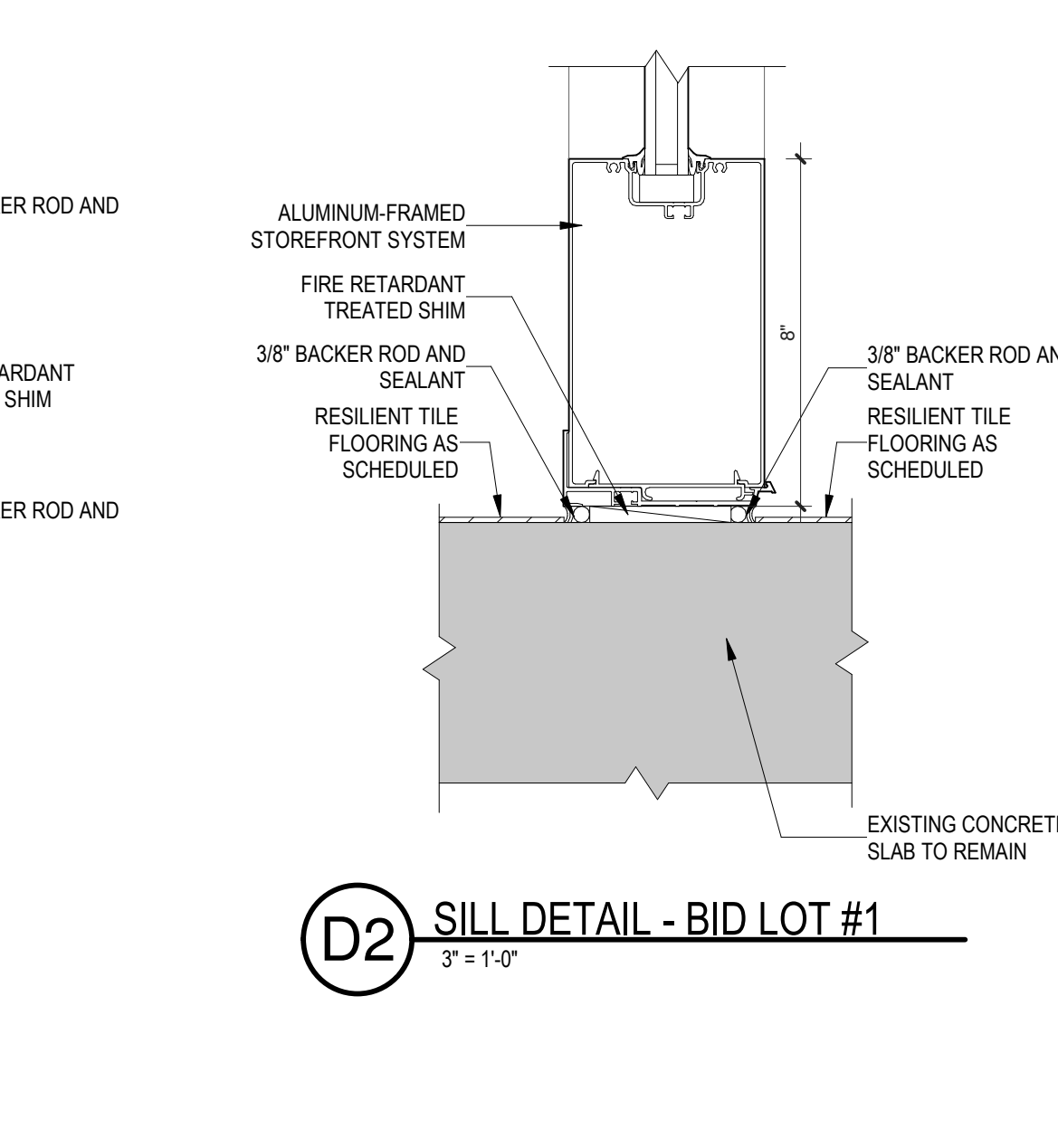
E4 JAMB DETAIL - BID LOT #1  
3" = 1'-0"



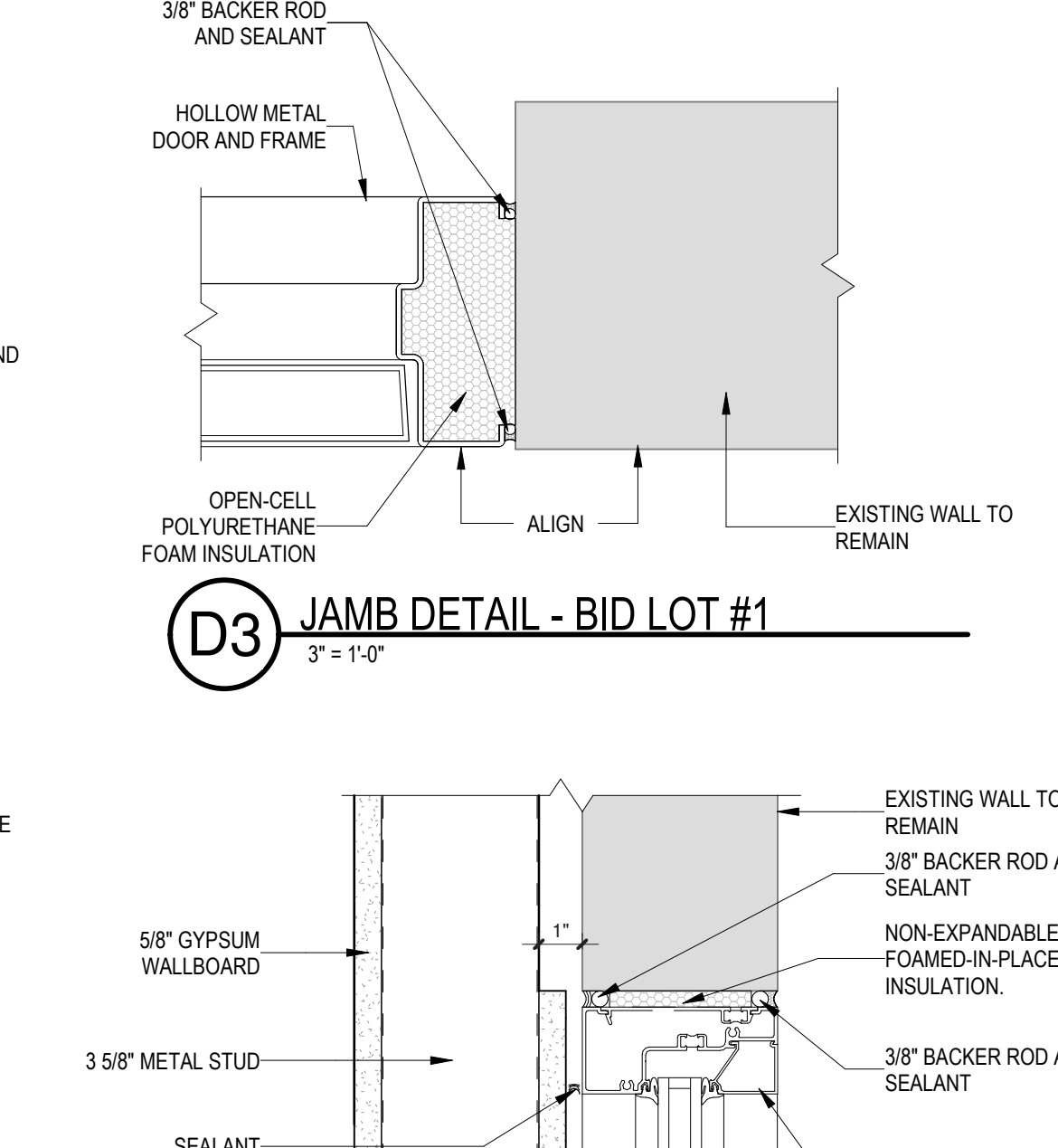
E6 JAMB DETAIL - BID LOT #1  
3" = 1'-0"



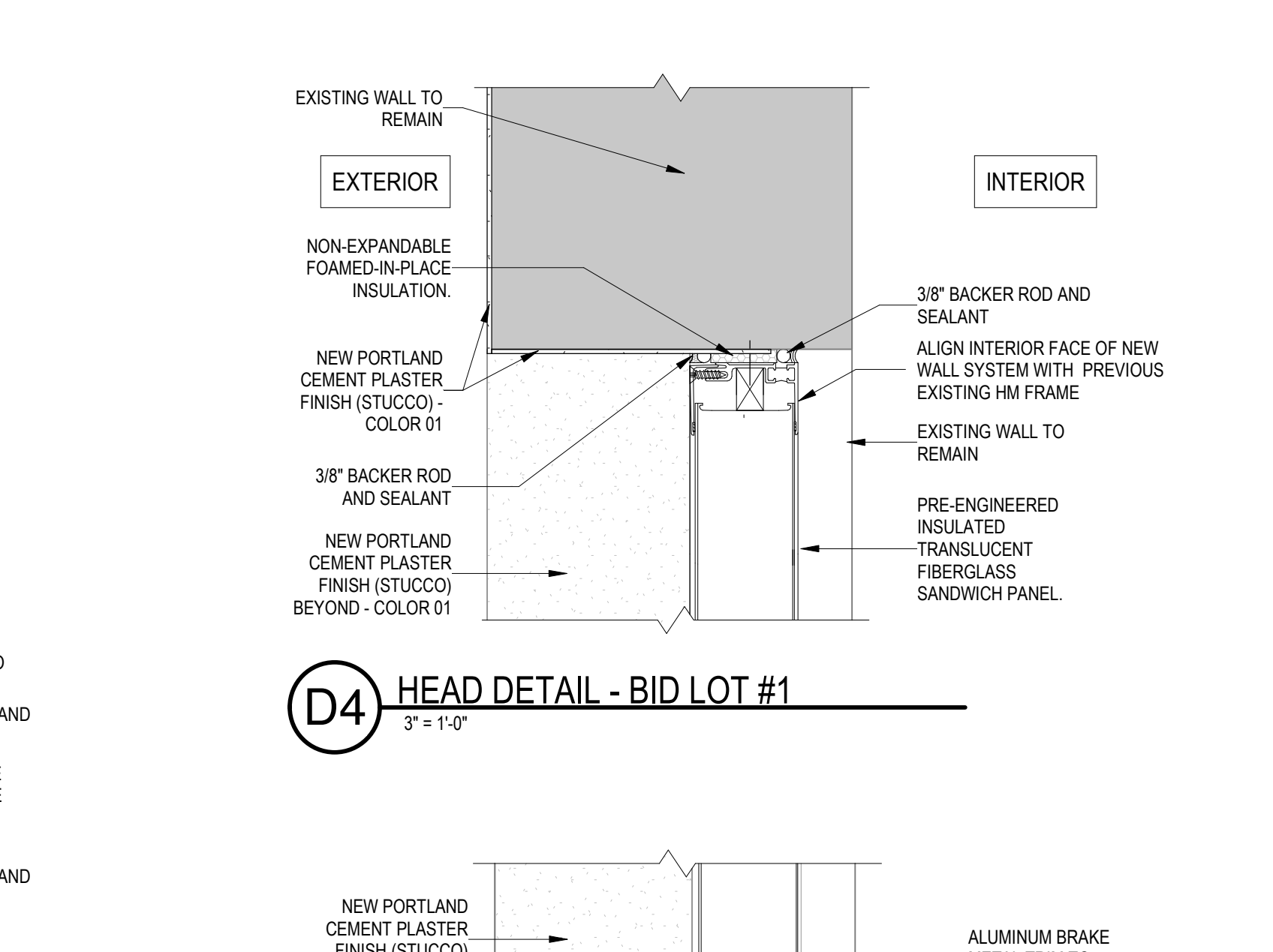
D1 JAMB DETAIL - BID LOT #1  
3" = 1'-0"



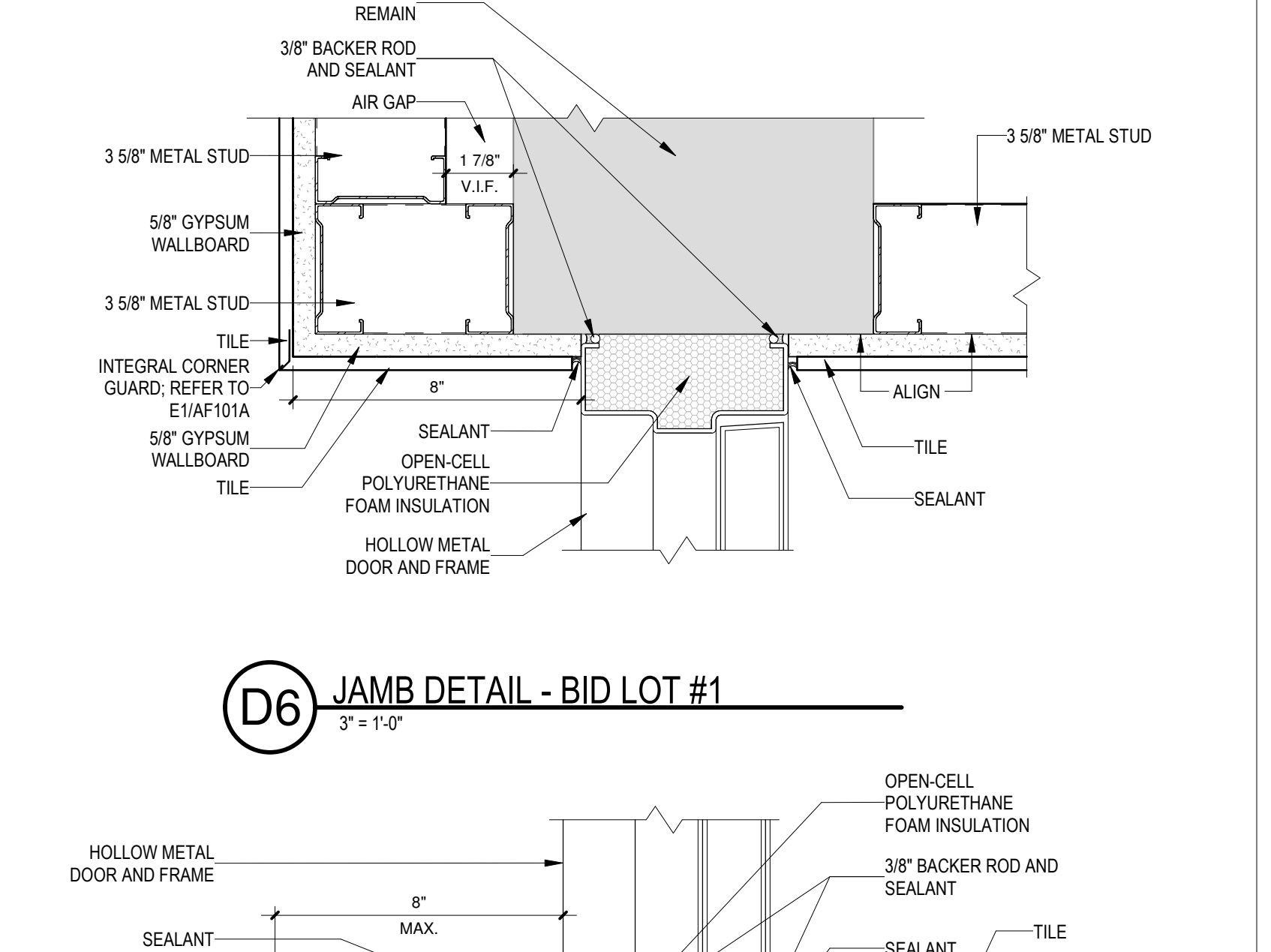
D2 SILL DETAIL - BID LOT #1  
3" = 1'-0"



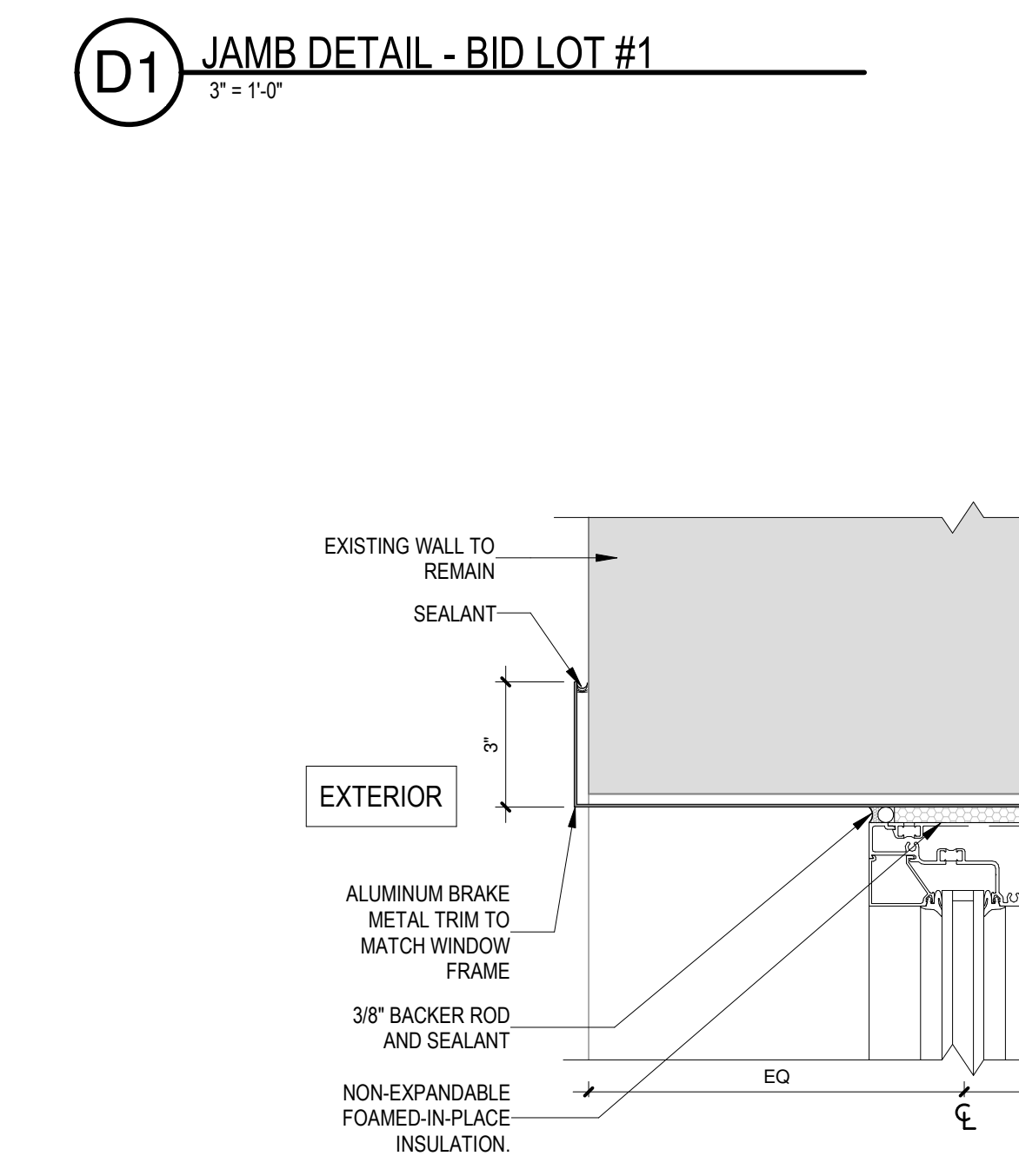
D3 JAMB DETAIL - BID LOT #1  
3" = 1'-0"



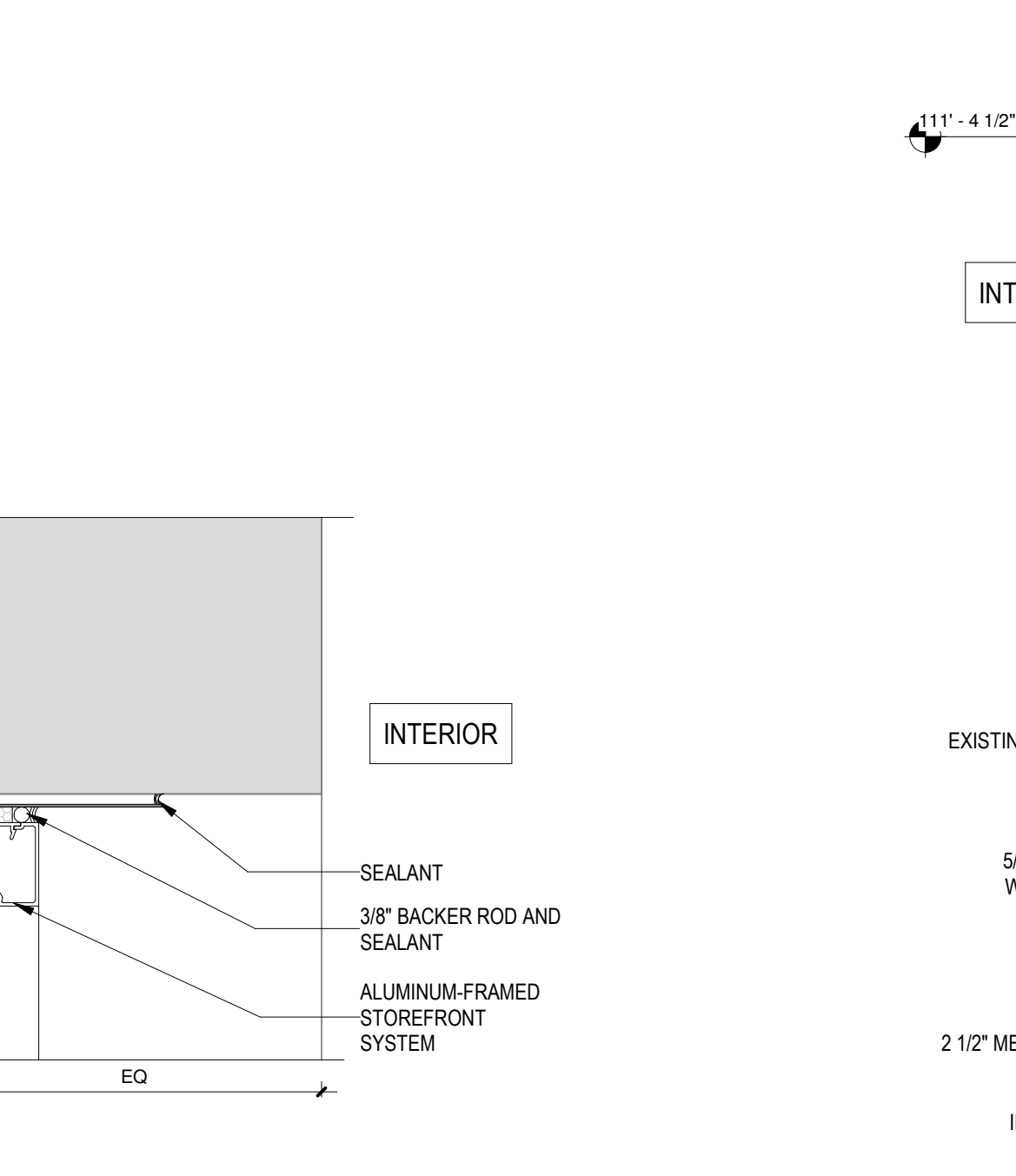
D4 HEAD DETAIL - BID LOT #1  
3" = 1'-0"



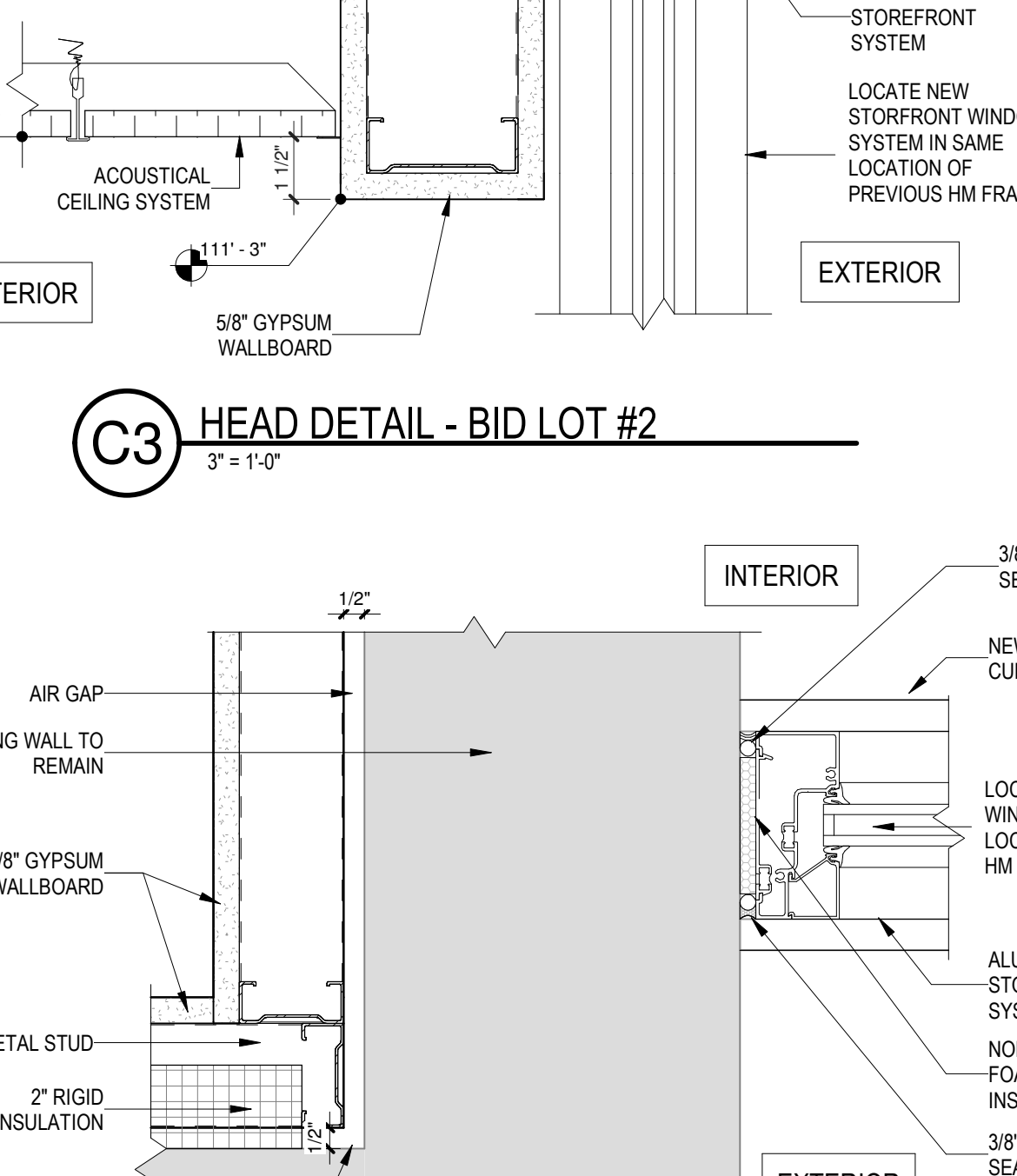
D6 JAMB DETAIL - BID LOT #1  
3" = 1'-0"



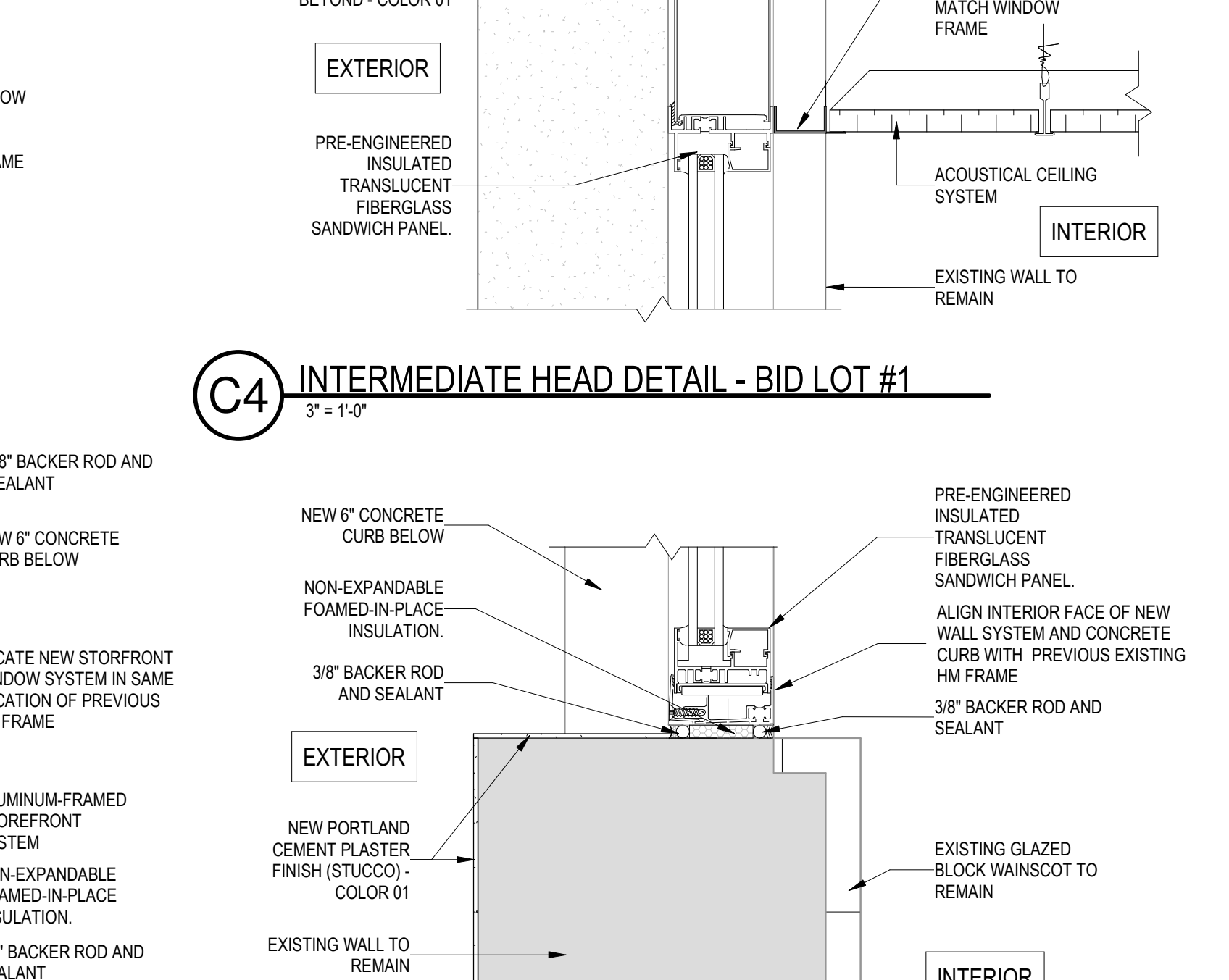
B1 HEAD DETAIL - BID LOT #2  
3" = 1'-0"



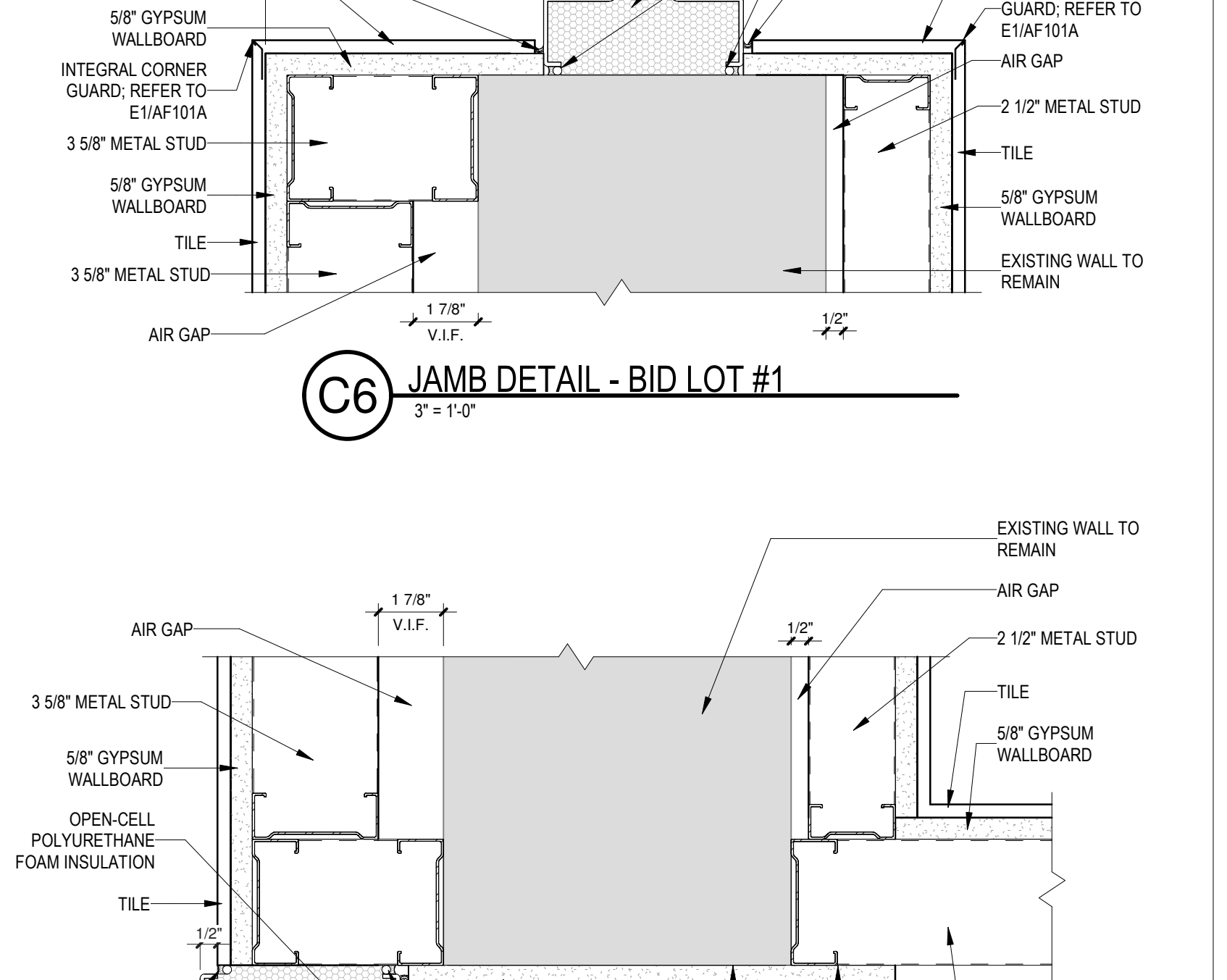
B2 SILL DETAIL - BID LOT #2  
3" = 1'-0"



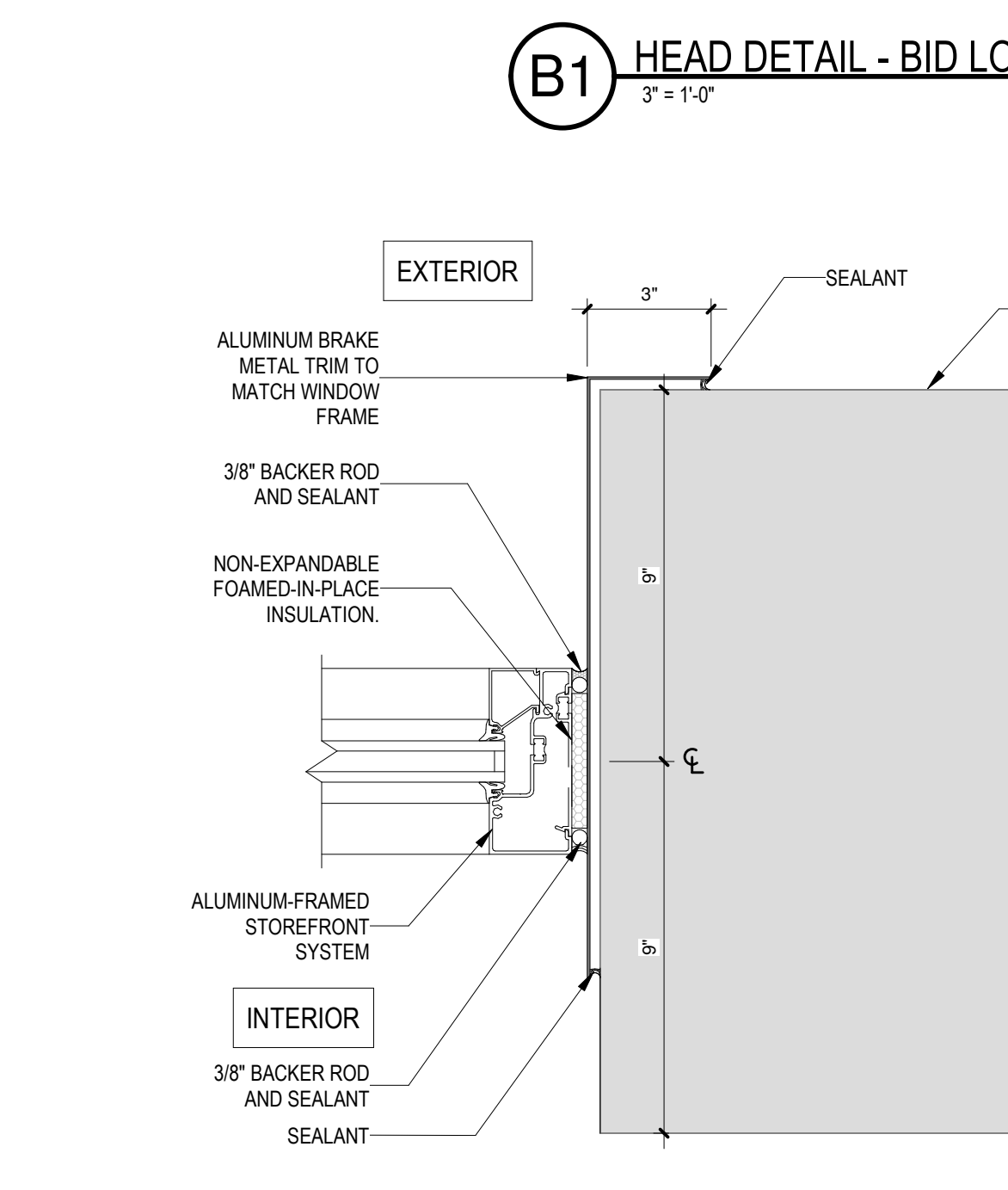
B3 JAMB DETAIL - BID LOT #2  
3" = 1'-0"



B4 JAMB DETAIL - BID LOT #1  
3" = 1'-0"



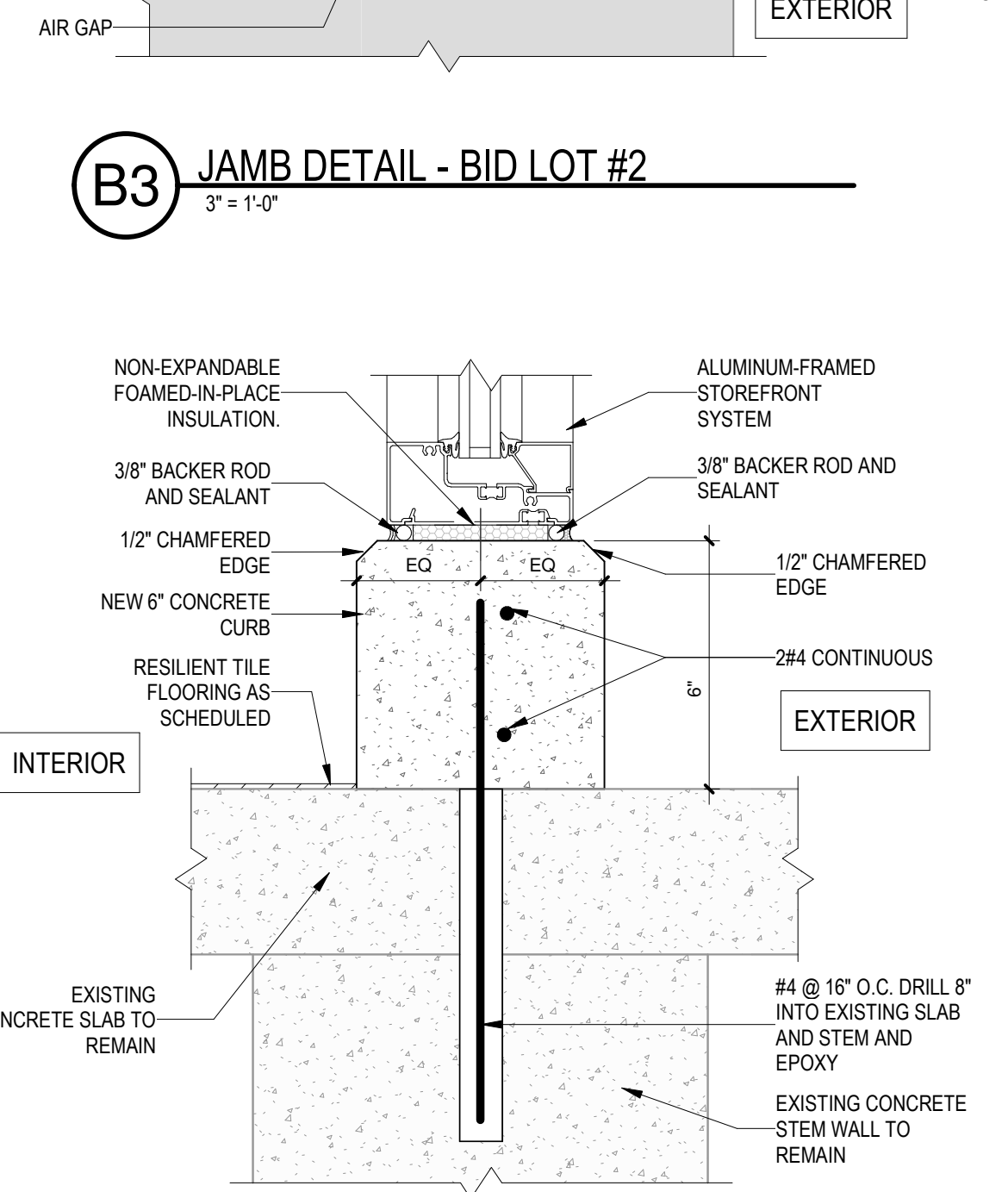
B6 JAMB DETAIL - BID LOT #1  
3" = 1'-0"



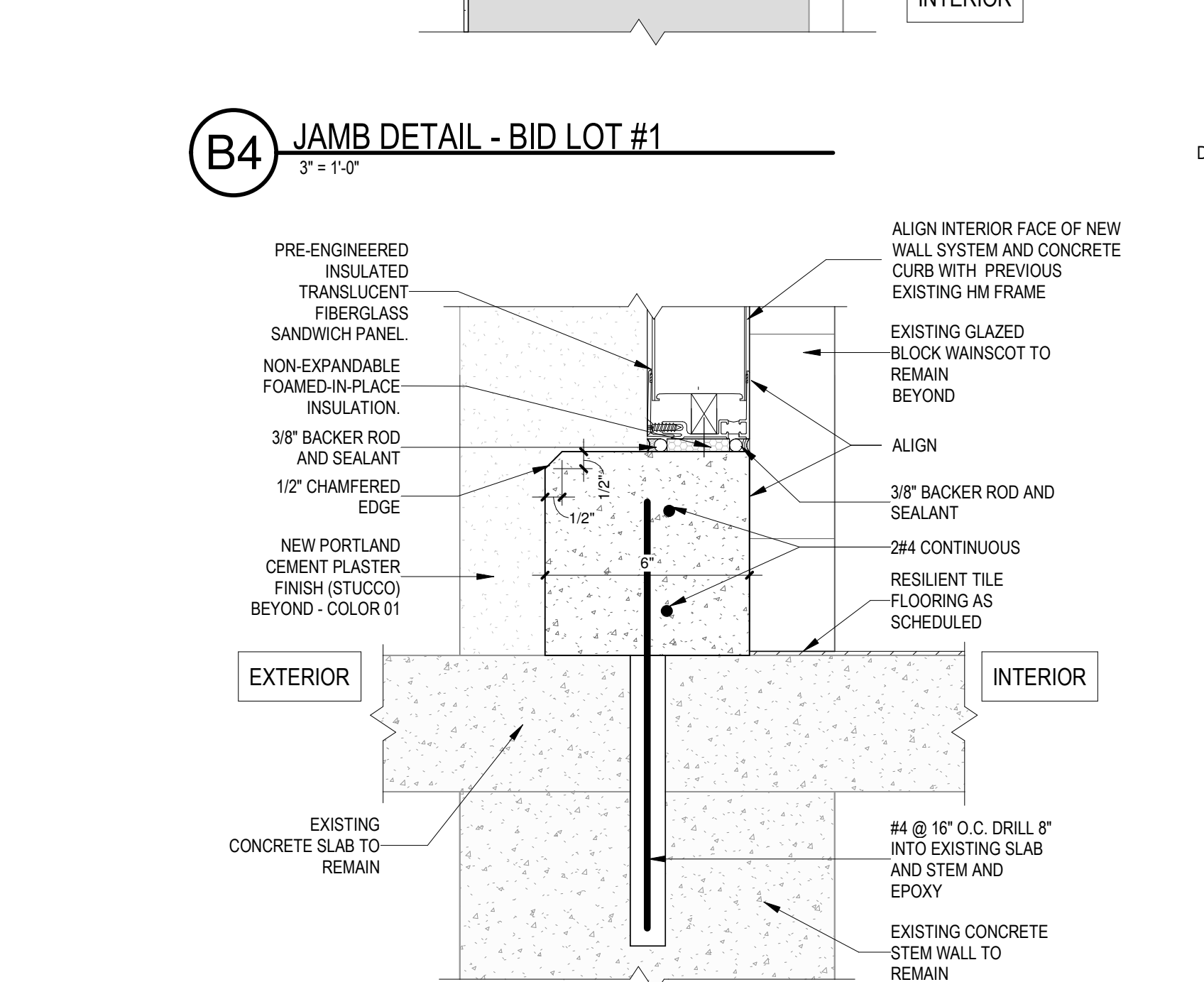
A1 JAMB DETAIL - BID LOT #2  
3" = 1'-0"



A3 SILL DETAIL - BID LOT #2  
3" = 1'-0"



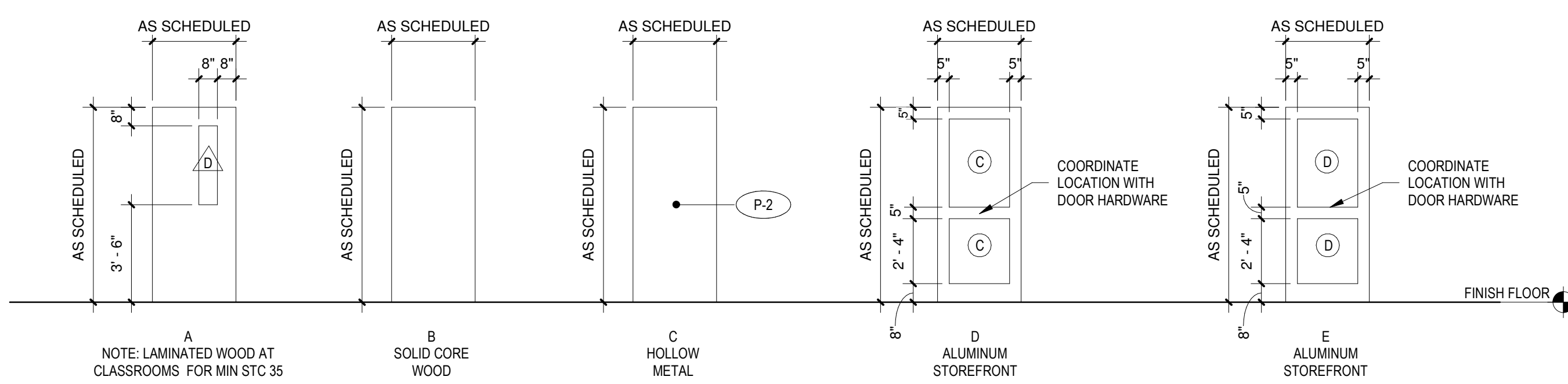
A4 DTL OD - 'M' SILL  
3" = 1'-0"



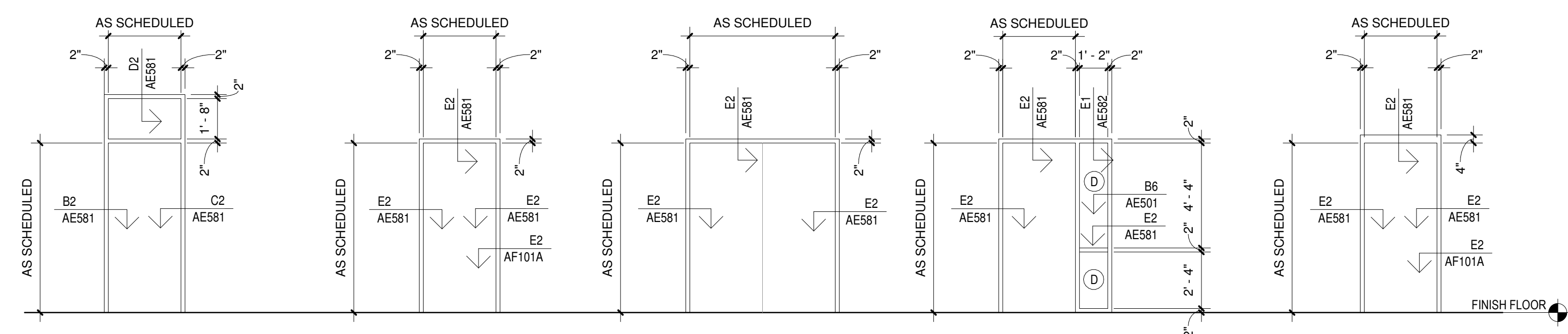
A6 JAMB DETAIL - BID LOT #1  
3" = 1'-0"



NUMBER	ROOM NAME / LOCATION	DOOR						FRAME TYPE	FIRE RATING	REMARKS
		SIZE			TYPE	MAT				
		WIDTH	HEIGHT	THK						
100B.A	VESTIBULE (EXTERIOR)	6'-0"	7'-0"	2"	D	AL	K			
100B.B	VESTIBULE (EXTERIOR)	6'-0"	7'-0"	2"	D	AL	K			
100B.C	VESTIBULE	6'-0"	7'-0"	2"	E	AL	J		ELECTRIC STRIKE	
101B.A	CORRIDOR (EXTERIOR)	6'-0"	7'-6"	2"	D	AL	L			
102.A	CLASSROOM	3'-1 1/2"	7'-0"	1 3/4"	A	WD	1		REUSE LOCKSET. OPCI	
102A.A	CLASSROOM RR	3'-0"	7'-0"	1 3/4"	B	WD	2			
103.A	CLASSROOM	3'-1 1/2"	7'-0"	1 3/4"	A	WD	1		REUSE LOCKSET. OPCI	
103.B	CLASSROOM	3'-1 1/2"	7'-0"	1 3/4"	A	WD	1		REUSE LOCKSET. OPCI	
103A.A	CLASSROOM RR	3'-0"	7'-0"	1 3/4"	B	WD	2			
104.A	CLASSROOM	3'-1 1/2"	7'-0"	1 3/4"	A	WD	1		REUSE LOCKSET. OPCI	
104.B	CLASSROOM	3'-1 1/2"	7'-0"	1 3/4"	A	WD	1		REUSE LOCKSET. OPCI	
104A.A	CLASSROOM RR	3'-0"	7'-0"	1 3/4"	B	WD	2			
105.A	GIRLS	3'-4"	6'-10"	1 3/4"	B	HM	2			
106.A	CHASE	2'-0"	6'-10"	1 3/4"	B	WD	2			
107.A	BOYS	3'-4"	6'-10"	1 3/4"	B	HM	2			
108.A	FIRE RISER	3'-1 1/2"	7'-0"	1 3/4"	B	WD	5			
109.A	SPECIAL EDUCATION	3'-0"	7'-0"	1 3/4"	A	WD	5		REUSE LOCKSET. OPCI	
110.A	CLASSROOM	3'-1 1/2"	7'-0"	1 3/4"	A	WD	1		REUSE LOCKSET. OPCI	
110.B	CLASSROOM	3'-1 1/2"	7'-0"	1 3/4"	A	WD	1		REUSE LOCKSET. OPCI	
110A.A	CLASSROOM RR	3'-0"	7'-0"	1 3/4"	B	WD	2			
111.A	CLASSROOM	3'-1 1/2"	7'-0"	1 3/4"	A	WD	1		RE-USE LOCKSET. OPCI	
111.B	CLASSROOM	3'-1 1/2"	7'-0"	1 3/4"	A	WD	1		RE-USE LOCKSET. OPCI	
111A.A	CLASSROOM RR	3'-0"	7'-0"	1 3/4"	B	WD	2			
112.A	CLASSROOM	3'-1 1/2"	7'-0"	1 3/4"	A	WD	1		RE-USE LOCKSET. OPCI	
112.B	CLASSROOM	3'-1 1/2"	7'-0"	1 3/4"	A	WD	1		RE-USE LOCKSET. OPCI	
112A.A	CLASSROOM RR	3'-0"	7'-0"	1 3/4"	B	WD	2			
113.A	LIBRARY	3'-1 1/2"	7'-0"	1 3/4"	A	WD	1		RE-USE LOCKSET. OPCI	
114.A	COMPUTER LAB	3'-1 1/2"	7'-0"	1 3/4"	A	WD	1		RE-USE LOCKSET. OPCI	
114.B	COMPUTER LAB	3'-1 1/2"	7'-0"	1 3/4"	A	WD	5		RE-USE LOCKSET. OPCI	
115.A	BOYS	3'-4"	6'-10"	1 3/4"	B	HM	2			
116.A	CHASE	2'-0"	6'-10"	1 3/4"	B	WD	2			
117.A	GIRLS	3'-4"	6'-10"	1 3/4"	B	HM	2			
118.A	CLASSROOM	3'-1 1/2"	7'-0"	1 3/4"	A	WD	1		RE-USE LOCKSET. OPCI	
118.B	CLASSROOM	3'-1 1/2"	7'-0"	1 3/4"	A	WD	1		RE-USE LOCKSET. OPCI	
118A.A	CLASSROOM RR	3'-0"	7'-0"	1 3/4"	B	WD	2			
119.A	CLASSROOM	3'-1 1/2"	7'-0"	1 3/4"	A	WD	1		RE-USE LOCKSET. OPCI	
119.B	CLASSROOM	3'-1 1/2"	7'-0"	1 3/4"	A	WD	1		RE-USE LOCKSET. OPCI	
119A.A	CLASSROOM RR	3'-0"	7'-0"	1 3/4"	B	WD	2			
120.A	CLASSROOM	3'-1 1/2"	7'-0"	1 3/4"	A	WD	1		RE-USE LOCKSET. OPCI	
120.B	CLASSROOM	3'-1 1/2"	7'-0"	1 3/4"	A	WD	1		RE-USE LOCKSET. OPCI	
120A.A	CLASSROOM RR	3'-0"	7'-0"	1 3/4"	B	WD	2			
121.A	JANITOR	3'-1 1/2"	7'-0"	1 3/4"	B	WD	5			
122.A	ELECTRICAL	3'-1 1/2"	7'-0"	1 3/4"	B	WD	5			
123.A	M	3'-0"	7'-0"	1 3/4"	B	WD	2			
124.A	W	3'-0"	7'-0"	1 3/4"	B	WD	2			
126.A	PE OFFICE	3'-0"	7'-0"	1 3/4"	B	WD	5		RE-USE LOCKSET. OPCI	
127.A	COPIER ROOM	2'-8"	7'-0"	1 3/4"	A	WD	2			
128.A	TEACHER LOUNGE	3'-1 1/2"	7'-0"	1 3/4"	A	WD	1		REUSE LOCKSET. OPCI	
129.A	INTERVENTIONIST	3'-1 1/2"	7'-0"	1 3/4"	A	WD	1		REUSE LOCKSET. OPCI	
130.A	CLASSROOM	3'-1 1/2"	7'-0"	1 3/4"	A	WD	1		REUSE LOCKSET. OPCI	
130.B	CLASSROOM	3'-1 1/2"	7'-0"	1 3/4"	A	WD	1		REUSE LOCKSET. OPCI	
130A.A	CLASSROOM RR	3'-0"	7'-0"	1 3/4"	B	WD	2			
131.A	CLASSROOM	3'-1 1/2"	7'-0"	1 3/4"	A	WD	1		REUSE LOCKSET. OPCI	
131.B	CLASSROOM	3'-1 1/2"	7'-0"	1 3/4"	A	WD	1		REUSE LOCKSET. OPCI	
131A.A	CLASSROOM RR	3'-0"	7'-0"	1 3/4"	B	WD	2			
132.A	CLASSROOM	3'-1 1/2"	7'-0"	1 3/4"	A	WD	1		REUSE LOCKSET. OPCI	
132.B	CLASSROOM	3'-1 1/2"	7'-0"	1 3/4"	A	WD	1		REUSE LOCKSET. OPCI	
132A.A	CLASSROOM RR	3'-0"	7'-0"	1 3/4"	B	WD	2			
133.A	IEP CONFERENCE	3'-1 1/2"	7'-0"	1 3/4"	B	WD	1		REUSE LOCKSET. OPCI	
134.A	IT ROOM	5'-0"	7'-0"	1 3/4"	B	WD	3		45 MIN.	
134.B	IT ROOM	3'-1 1/2"	7'-0"	1 3/4"	B	WD	5		45 MIN.	
135.A	NURSE	3'-0"	7'-0"	1 3/4"	A	WD	2		REUSE LOCKSET. OPCI	
135.B	NURSE	3'-1 1/2"	7'-0"	1 3/4"	A	WD	1		REUSE LOCKSET. OPCI	
135A.A	NURSE RR	3'-0"	7'-0"	1 3/4"	B	WD	2			
136.A	HALL	3'-1 1/2"	7'-0"	1 3/4"	A	WD	1		REUSE LOCKSET. OPCI	
137.A	ASSISTANT PRINCIPAL	3'-0"	7'-0"	1 3/4"	B	WD	4		REUSE LOCKSET. OPCI	
138.A	PRINCIPAL	3'-0"	7'-0"	1 3/4"	B	WD	4		REUSE LOCKSET. OPCI	
180A.A	ELECTRICAL	3'-1 1/2"	7'-0"	1 3/4"	B	WD	2			
180B.A	JANITOR	3'-0"	7'-0"	1 3/4"	B	WD	2			



Door Type  
1/4" = 1'-0"



Frame Type  
1/4" = 1'-0"

GENERAL SHEET NOTES

- A. REFER TO HEAD, JAMB AND SILL DETAILS FOR DETERMINING EXACT WINDOW SIZES. ALLOW FOR EXTERIOR FINISH, SILLS AND SEALANT AS REQUIRED.
- B. FIELD VERIFY ALL EXISTING WALL CONDITIONS FOR PROPER FIT OF FRAME PER DETAILED INTENT.
- C. ALL HOLLOW METAL FRAMES TO BE PAINTED P-3 U.N.O.

MATERIAL LEGEND

- WD SOLID CORE WOOD, STAINED
- AL ALUMINUM
- HM HOLLOW METAL, PAINTED
- (X-X) SPECIALTY FINISH; REFER TO FINISH LEGEND



SEAL

PROJECT



Brown Early Childhood Center  
Old Wing Renovation  
520 W 5th St, Portales, NM 88130

CONSTRUCTION DOCUMENTS

REVISIONS

- △
- △
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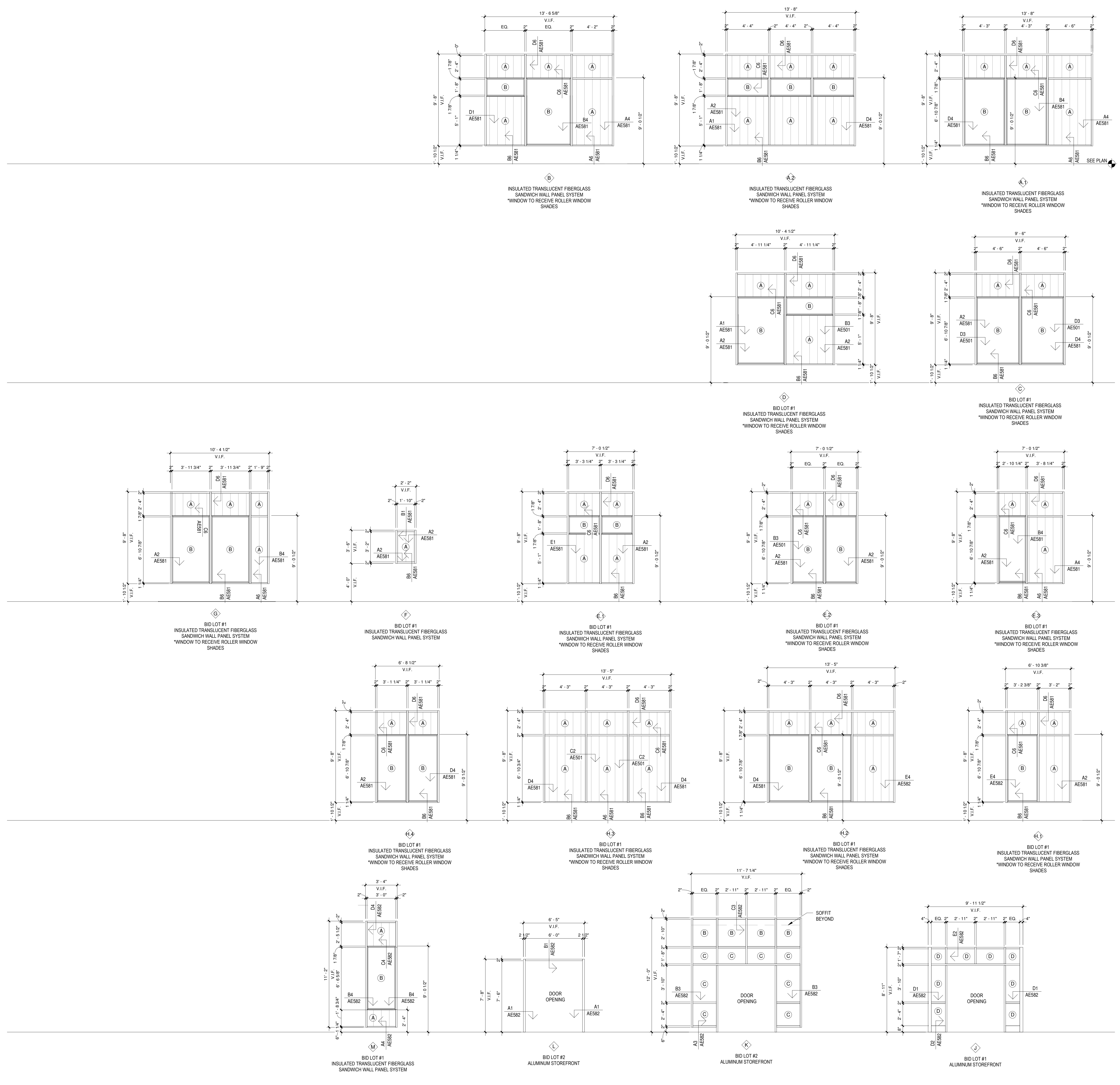
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REVIEWED BY: OK  
DATE: 12/10/2019  
PROJECT NO: 18-0032  
PSFA PRE-K PROJECT NO: K-18-011  
PSFA SYSTEMS PROJECT NO: S-20-008  
DRAWING NAME:

SCHEDULES

SHEET NO  
AE621



Portales Brown Early Childhood Center, Project #S20-008, PSCOC FUNDED



**GENERAL SHEET NOTES**

- A. REFER TO HEAD, JAMB AND SILL DETAILS FOR DETERMINING ROUGH WINDOW OPENINGS AND EXACT WINDOW SIZES. ALLOW FOR EXTERIOR SHEATHING, SLOPING SILLS AND SEALANT AS REQUIRED.
- B. FIELD VERIFY ALL EXISTING WALL CONDITIONS FOR PROPER FIT OF FRAME PER DETAILED INTENT.
- C. REFER TO EXTERIOR ELEVATIONS FOR LOUVER LOCATIONS.

**KEYNOTES**

REVISIONS

- △
- △
- △
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**GLAZING SCHEDULE**

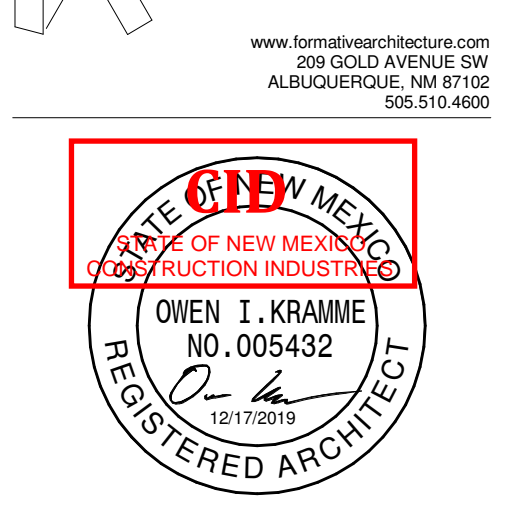
MARK	TYPE
(A)	TRANSLUCENT FIBER PANEL
(B)	1" INSULATED
(C)	1" INSULATED TEMPERED
(D)	1/4" CLEAR FLOAT TEMPERED

**OPENING TYPES**

MARK	TYPE
(A)	TRANSLUCENT FIBER PANEL
(B)	1" INSULATED
(C)	1" INSULATED TEMPERED
(D)	1/4" CLEAR FLOAT TEMPERED

DRAWN BY: NW  
REVIEWED BY: OK  
DATE: 12/10/2019  
PROJECT NO: 18-0032  
PSFA PRE-K PROJECT NO: K-18-011  
PSFA SYSTEMS PROJECT NO: S-20-008  
DRAWING NAME:   
**OPENING TYPES**

SHEET NO: **AE681**



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

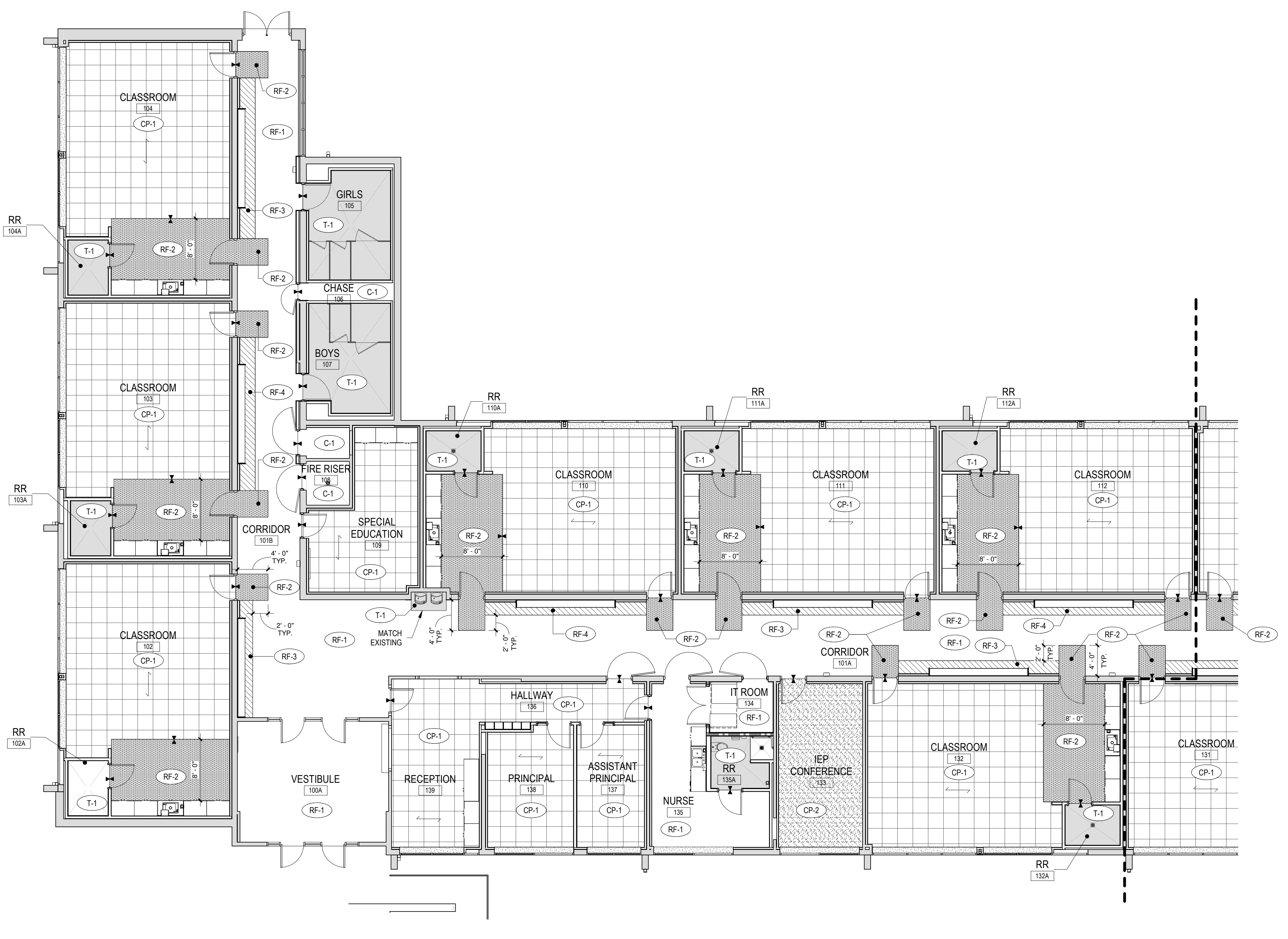
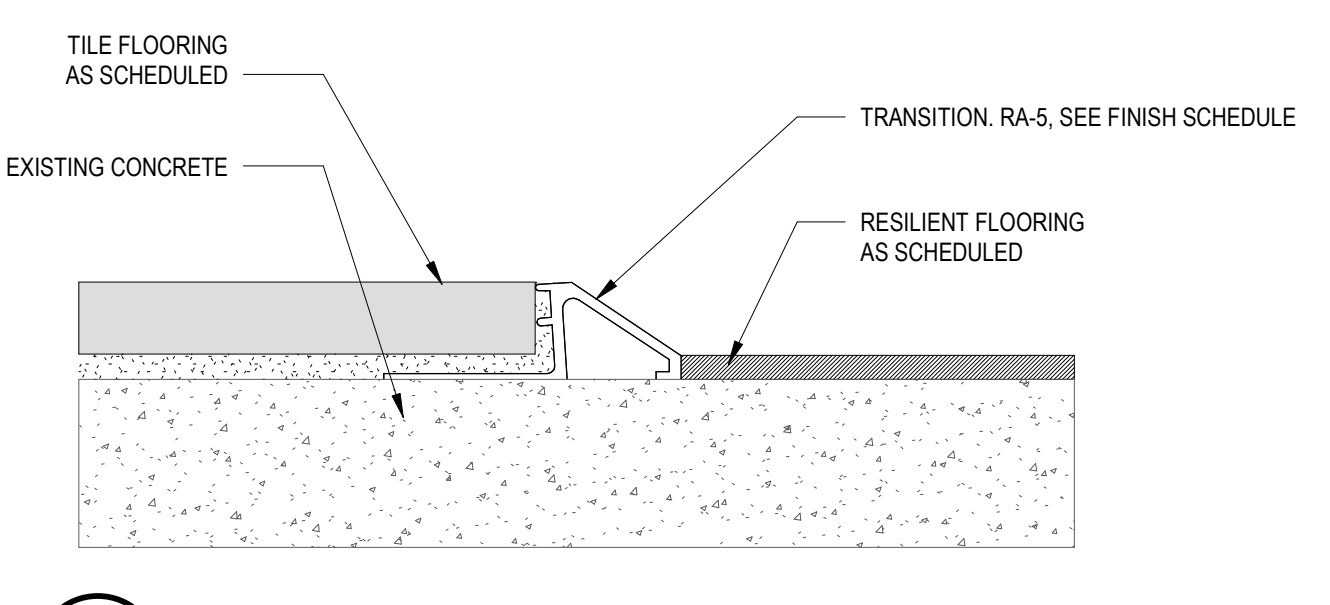
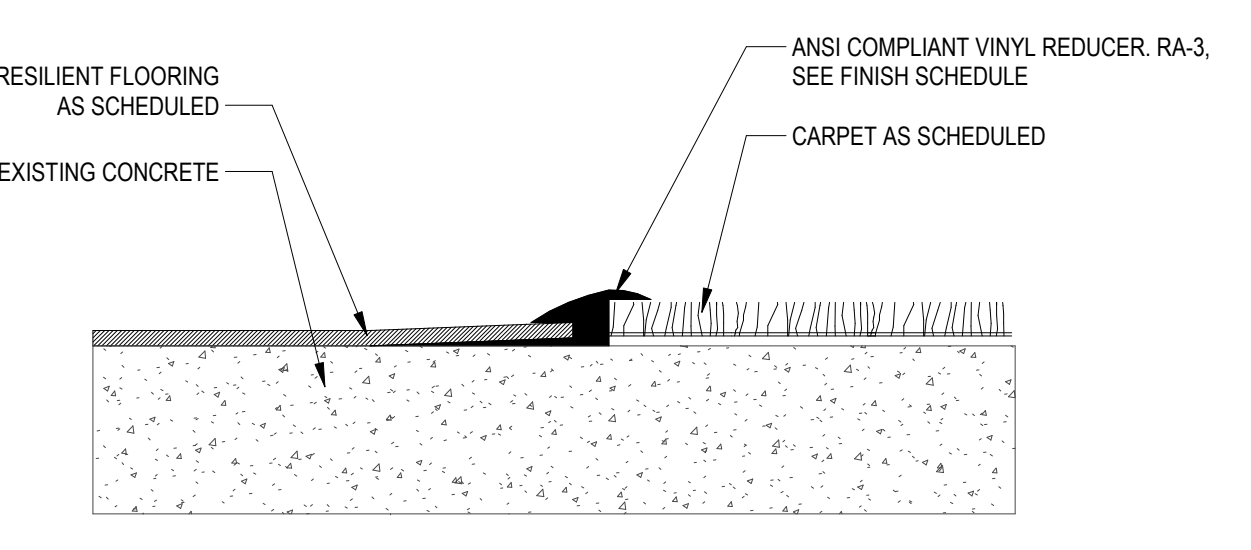
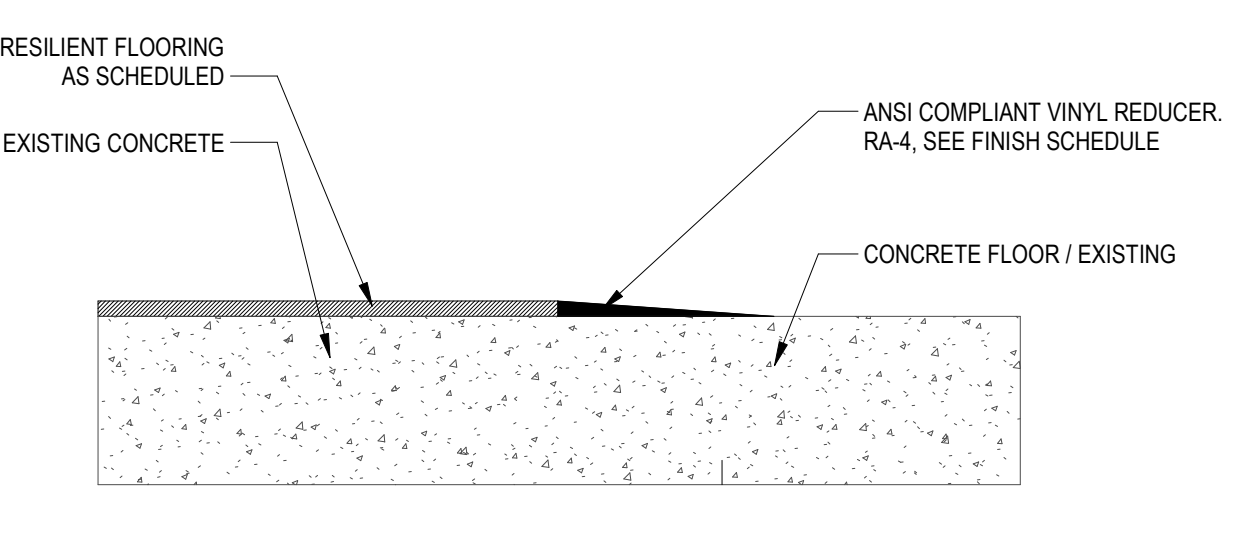
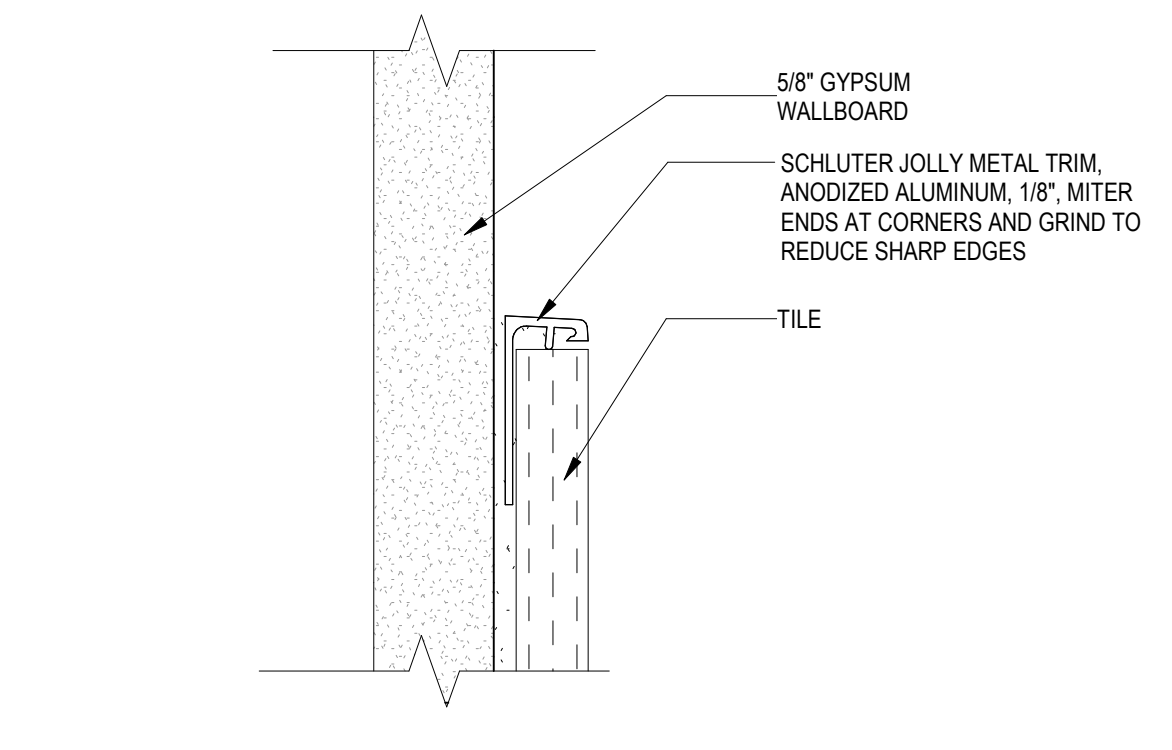
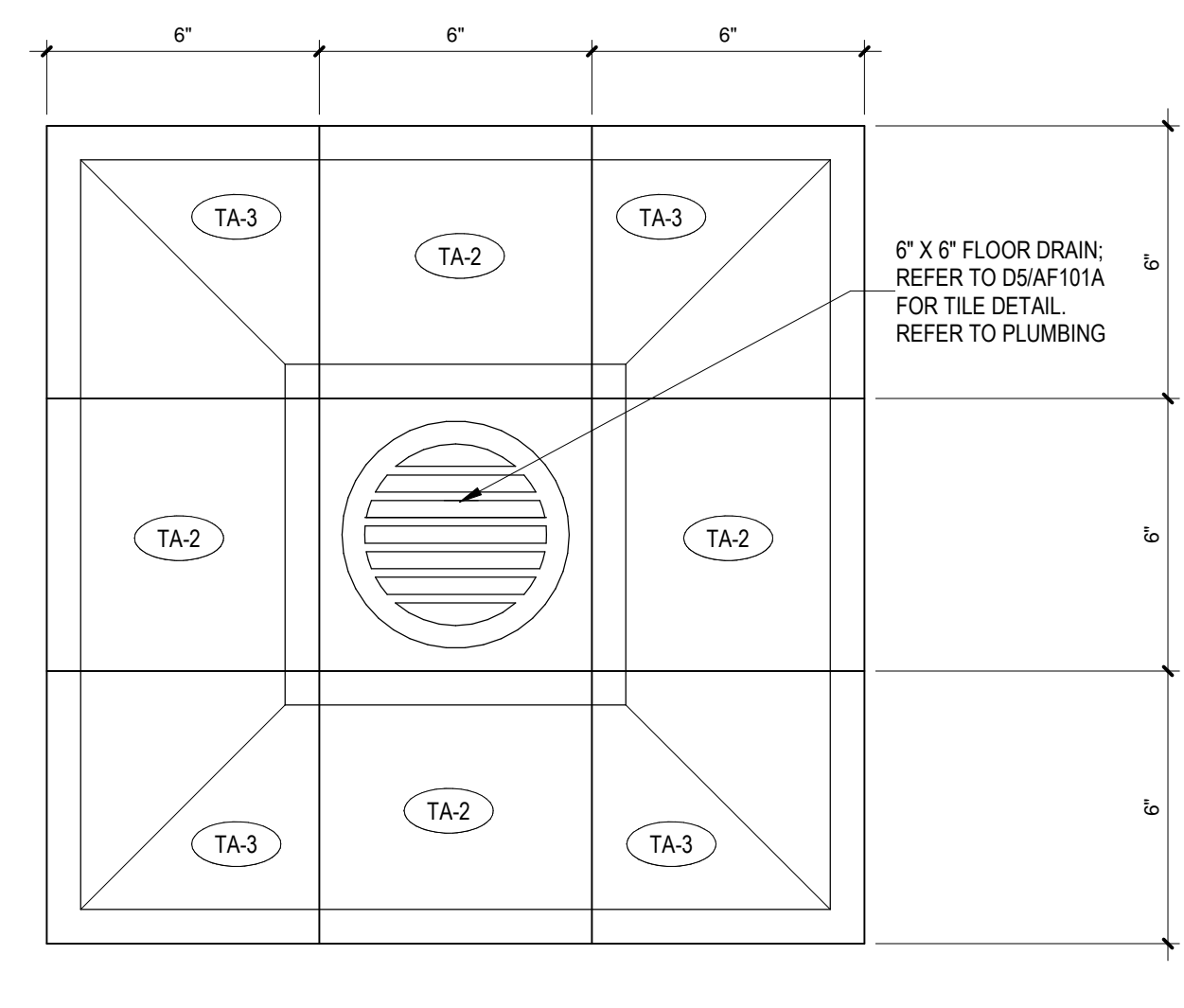
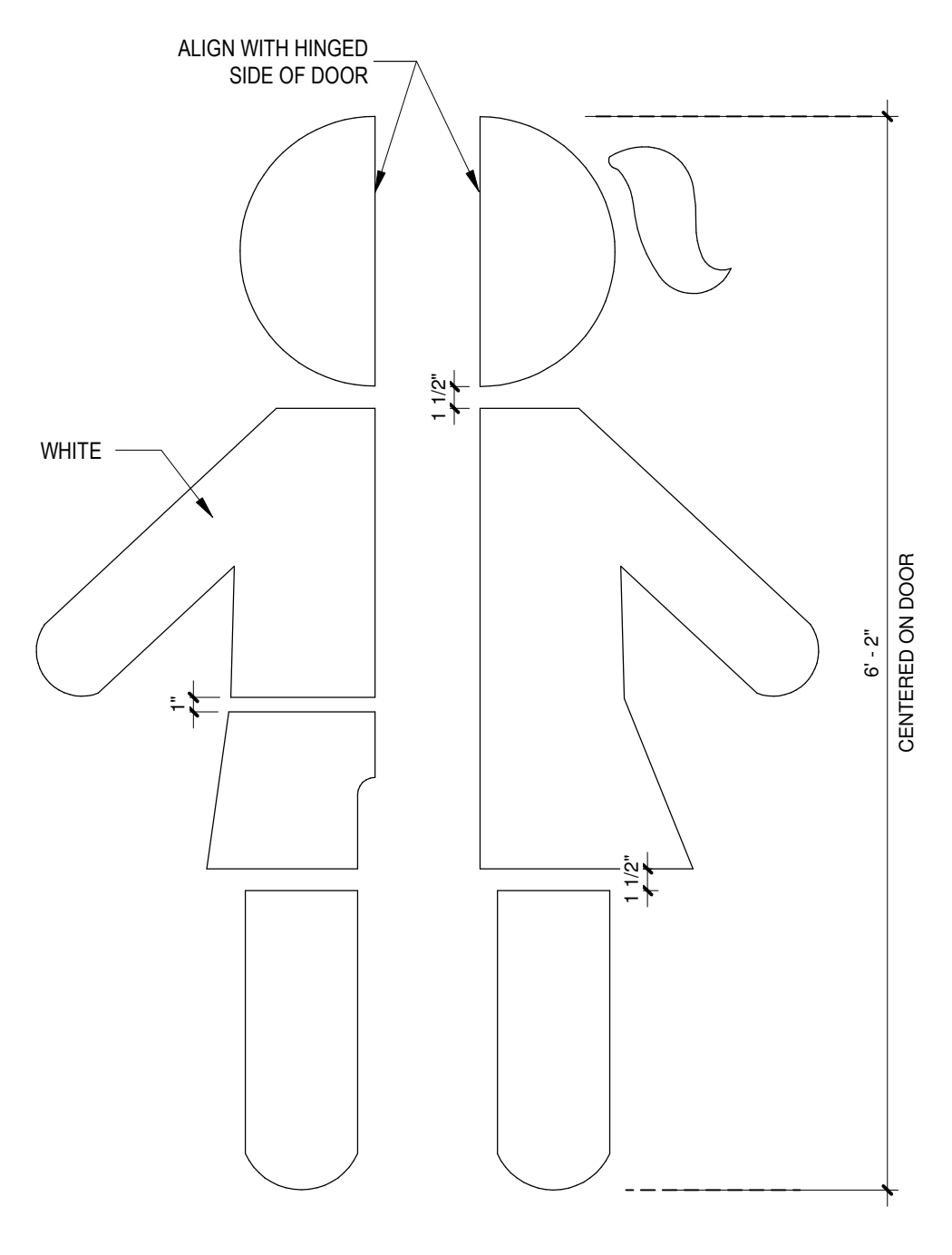
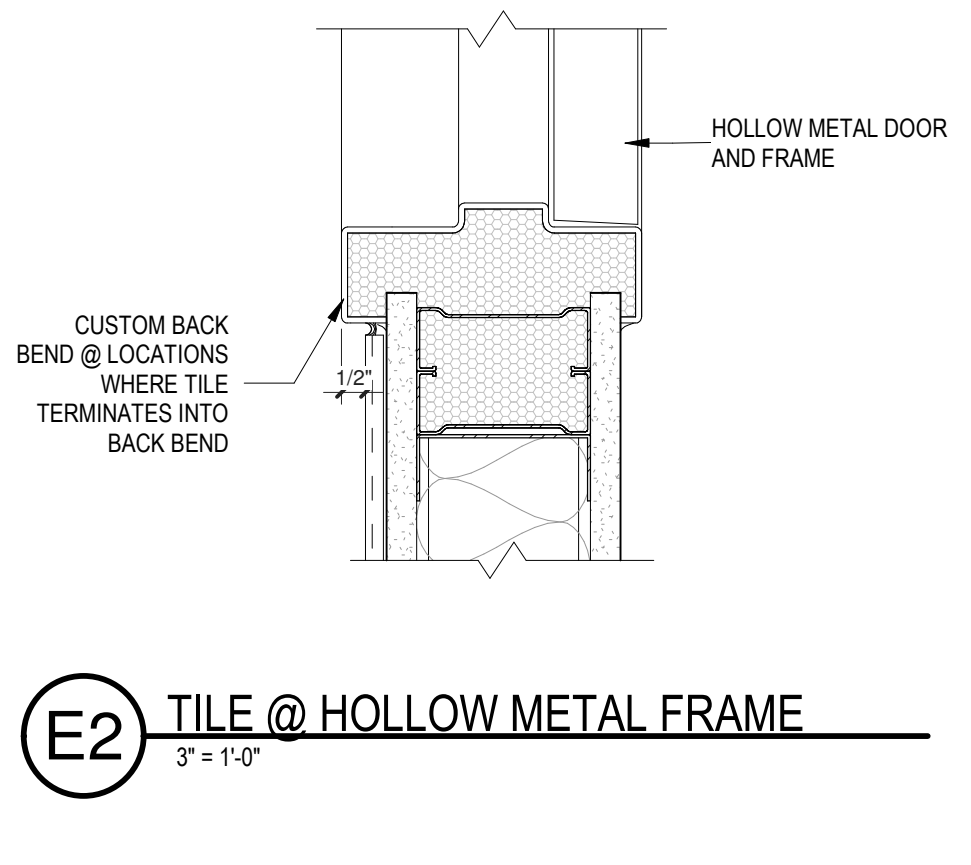
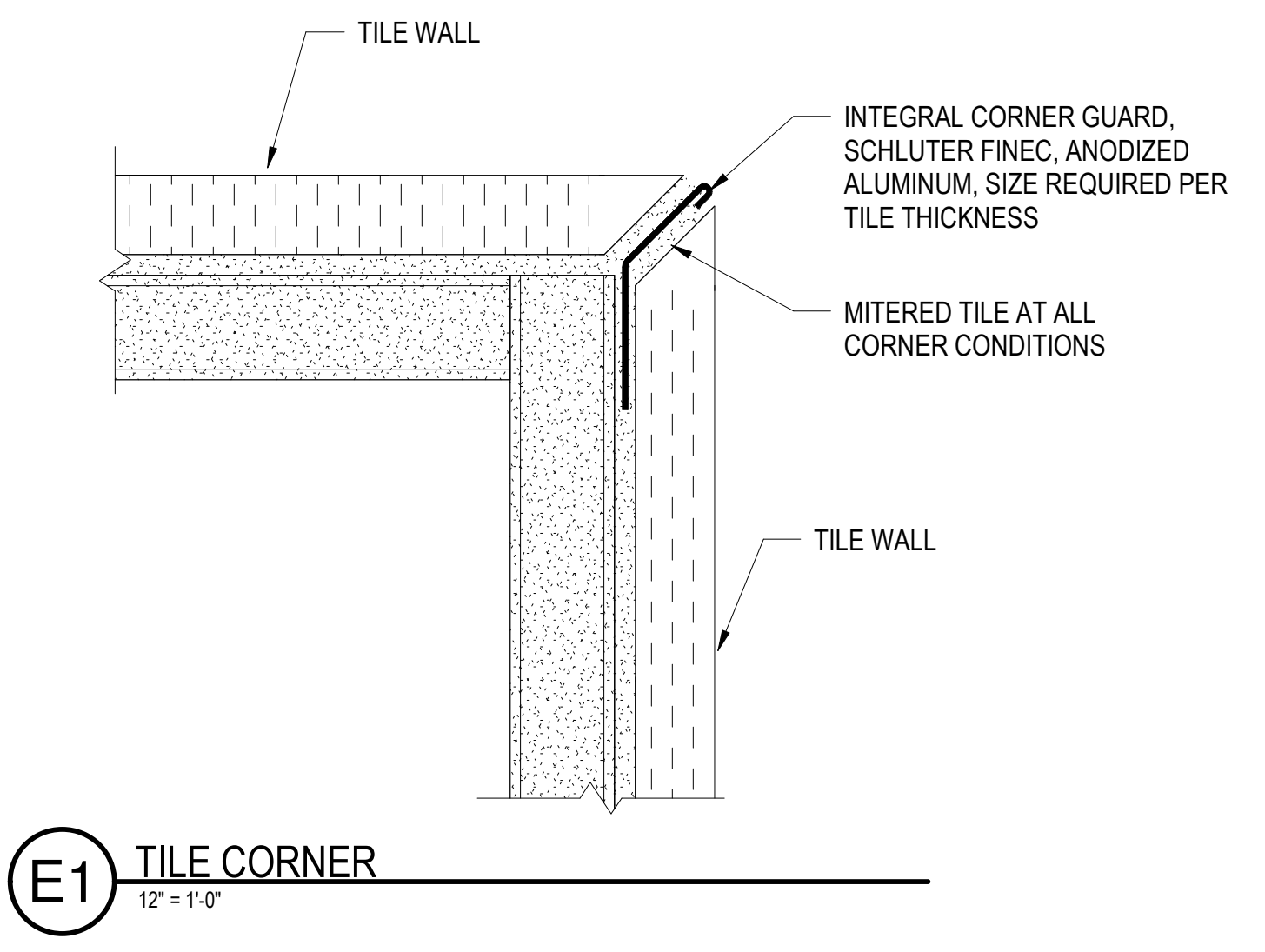


GENERAL SHEET NOTES

- A. ALL PLAN DIMENSIONS ARE TO FINISHED FACE OF WALL OR GRID LINE, UNO
- B. REF FINISH LEGEND FOR MORE FINISH INFORMATION
- C. ALL INTERIOR FINISHES FLAME SPREAD REQUIREMENTS SHALL BE IN COMPLIANCE WITH IRC 9019 SECTION 901.11
- D. FOR CEILING INFORMATION REFERENCE CEILING PLANS
- E. FOR CASEWORK FINISHES REFERENCE INTERIOR ELEVATIONS
- F. FOR ALL FINISH TRANSITIONS THAT OCCUR AT DOORWAYS, TRANSITION MATERIAL OR PATTERN AT CENTERLINE OF DOOR WHEN CLOSED, REF AF101A FOR MORE DETAILS
- G. ALL GYPSUM BOARD WALLS TO BE PAINTED P-1, UNO
- H. ALL GYPSUM BOARD WALLS AND WOODWORK TOEKKKS TO RECEIVE RESILIENT BASE RA-1, UNO
- I. ALL CERAMIC TILE TO BE CENTERED IN ROOM, UNO
- J. ALL HOLLOW METAL DOORS AND FRAMES TO BE PAINTED, P-3, UNO
- K. ALL OUTSIDE GYP BOARD CORNERS TO RECEIVE 48" STAINLESS STEEL CORNER GUARDS, CORNERS WITH WALL TILE TO RECEIVE INTEGRAL STAINLESS STEEL CORNER GUARDS
- L. ALL SOLID SURFACE TO BE SS-1
- M. ALL PLASTIC LAMINATE TO BE PL-1

FINISH LEGEND (BASIS OF DESIGN)

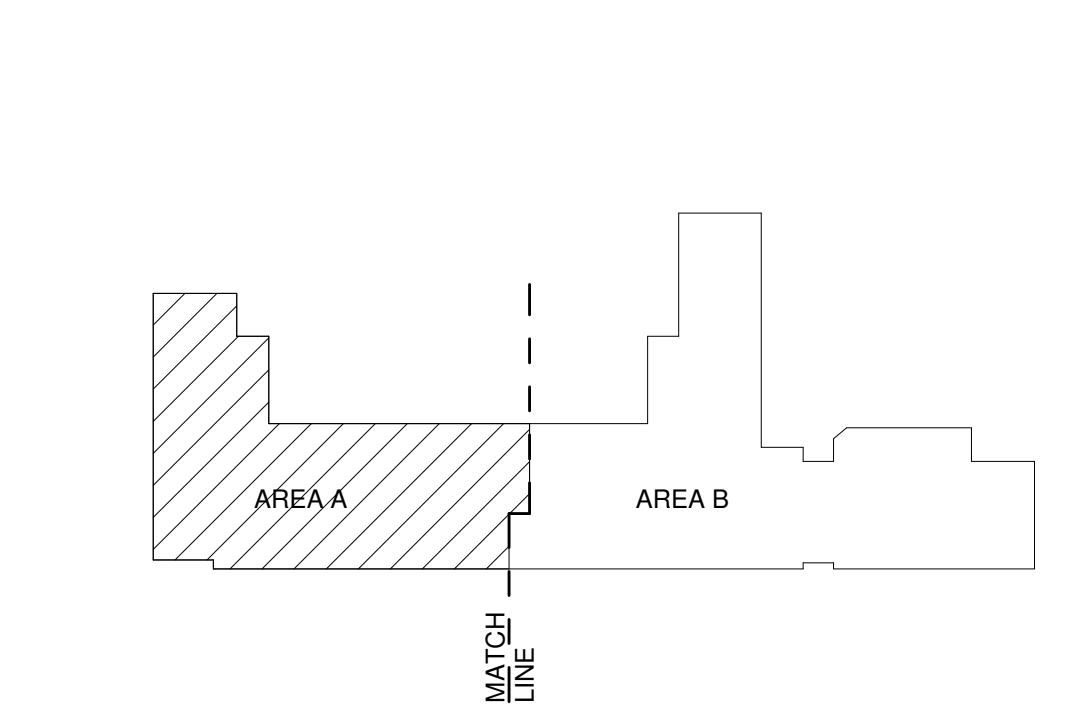
06 4023 PLASTIC LAMINATE (PL-X) PL-1 MFG FORMICA COLOR NATURAL MAPLE NUMBER 756-58 FINISH MATTE	09 6513 RESILIENT BASE (RA-X) RA-1 MFG TARKETT COLOR T81 PEPPERCORN STYLE 4" RUBBER COVE BASE
06 4023 SOLID SURFACE (SS-X) SS-1 MFG WILSONART COLOR HOT STONE 9201GS THICKNESS 1/2" NOTES COUNTERTOPS AND WINDOW SILLS	RA-2 MFG TARKETT COLOR T81 PEPPERCORN STYLE 6" RUBBER COVE BASE
09 3000 TILING (T-X) T-1 MFG MOSA STYLE GLOBAL COLLECTION COLOR WARM GREY 76240 FINISH SMOOTH (V) MATTE SIZE 6" X 6" GROUT TBD NOTES RESTROOM FLOOR TILE	RA-3 MFG TARKETT PRODUCT SLT-XX-C COLOR MATCH WALL BASE NOTES TRANSITION RESILIENT FLOOR TO CARPET
T-2 MFG MOSA STYLE GLOBAL COLLECTION COLOR WARM GREY 26240 FINISH WALL GLOSS SIZE 6" X 6" GROUT TBD NOTES RESTROOM WALL TILE	RA-4 MFG TARKETT PRODUCT RRS-XX-B COLOR MATCH WALL BASE NOTES TRANSITION RESILIENT FLOOR TO CONCRETE
T-3 MFG MOSA STYLE GLOBAL COLLECTION COLOR IVORY WHITE 16660 FINISH WALL GLOSS SIZE 6" X 6" GROUT TBD NOTES WALL ACCENT	RA-5 MFG SCHLITZER PRODUCT RENO-U COLOR RENO-U SATIN ANODIZED NOTES TRANSITION RESILIENT FLOOR TO TILE
T-4 MFG MOSA STYLE GLOBAL COLLECTION COLOR NAPLES YELLOW 16670 FINISH WALL GLOSS SIZE 6" X 6" GROUT TBD NOTES WALL ACCENT	09 6519 RESILIENT TILE FLOORING (RF-X) RF-1 MFG JOHNSONITE PRODUCT IGRANIT COLOR GLENDALE 404 SIZE 12" X 24"
T-5 MFG MOSA STYLE GLOBAL COLLECTION COLOR SIENNA RED 25260 FINISH WALL GLOSS SIZE 6" X 6" GROUT TBD NOTES WALL ACCENT	RF-2 MFG JOHNSONITE PRODUCT IGRANIT COLOR MERCURY 449 SIZE 12" X 24"
TA-1 MFG MOSA STYLE GLOBAL COLLECTION COLOR WARM GREY 76240 FINISH SP SIZE 6" X 6" GROUT TBD NOTES TILE WALL BASE	RF-3 MFG JOHNSONITE PRODUCT IGRANIT COLOR FALLON 416 SIZE 12" X 24"
TA-2 MFG MOSA STYLE GLOBAL COLLECTION COLOR WARM GREY 76240 FINISH SMOOTH (V) MATTE SIZE 6" X 6" GROUT TBD NOTES SLOPING SHOWER CORNER PIECE	RF-4 MFG JOHNSONITE PRODUCT IGRANIT COLOR SEMULAN 423 SIZE 12" X 24"
TA-3 MFG MOSA STYLE GLOBAL COLLECTION COLOR SW 7023 BLACK FOX FINISH SMOOTH (V) MATTE SIZE 6" X 6" GROUT TBD NOTES SLOPING SHOWER CORNER PIECE	09 8800 CARPET TILE (CP-X) CP-1 MFG TARKETT STYLE ACCENTUATE 04255 COLOR NIGHTSHADE 45212 SIZE 24" X 24"
09 5100 ACOUSTIC PANEL CEILING (APC-X) APC-1 MFG ARMSTRONG TYPE ULTIMA LAY-IN SIZE 24" X 24" X 3/4" COLOR WHITE GRID PRELUDE XL 15/16" EXPOSED TEE EDGE SQUARE LAY-IN 15/16"	09 7213 CORK WALL COVERINGS (BB-X) BB-1 MFG FORBO PRODUCT BULLETIN BOARD COLOR OYSTER SHELL 2206
	BB-2 MFG FORBO PRODUCT BULLETIN BOARD COLOR BLACK OLIVE 2209
	09 9123 PAINT (P-X) P-1 MFG SHERWIN WILLIAMS COLOR SW 6385 DOVER WHITE NOTES GENERAL WALL COLOR, COORDINATE WITH DISTRICT STANDARD
	P-2 MFG SHERWIN WILLIAMS COLOR SW 7023 BLACK FOX NOTES ACCENT AT RESTROOMS
	P-3 MFG SHERWIN WILLIAMS COLOR SW 7638 JOGGING PATH NOTES DOOR FRAMES AND TRIM
	CONCRETE (C-X) C-1 EXPOSED CONCRETE



LEGEND

- FLOORING MATERIAL TRANSITION, TRANSITION STRIP REQUIRED, REF AF621
- FLOORING PATTERN TRANSITION, NO TRANSITION STRIP REQUIRED
- XX-X FLOORING MATERIAL REFERENCE FINISH LEGEND
- ← CARPET DIRECTION

KEY PLAN





GENERAL SHEET NOTES

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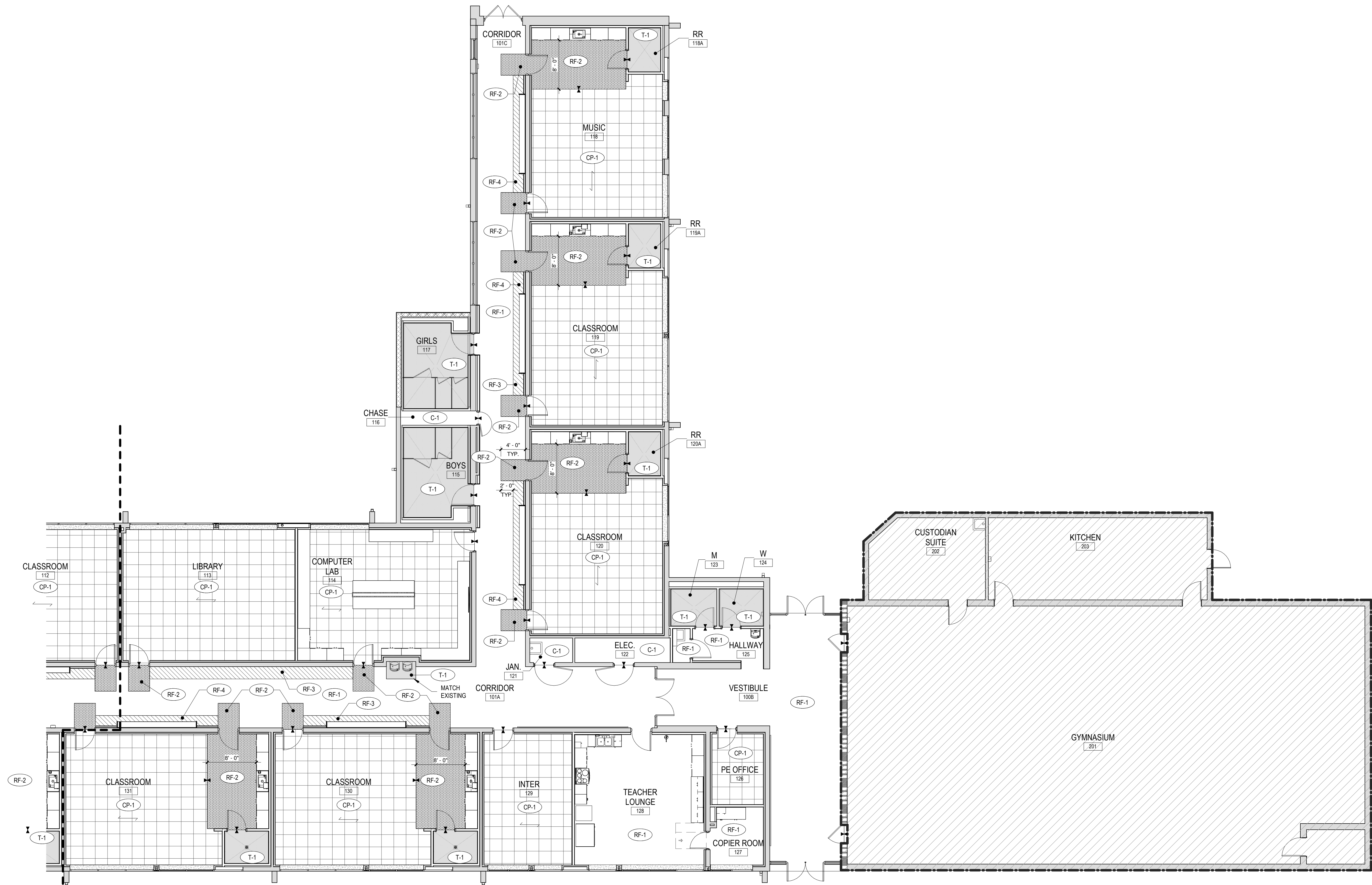
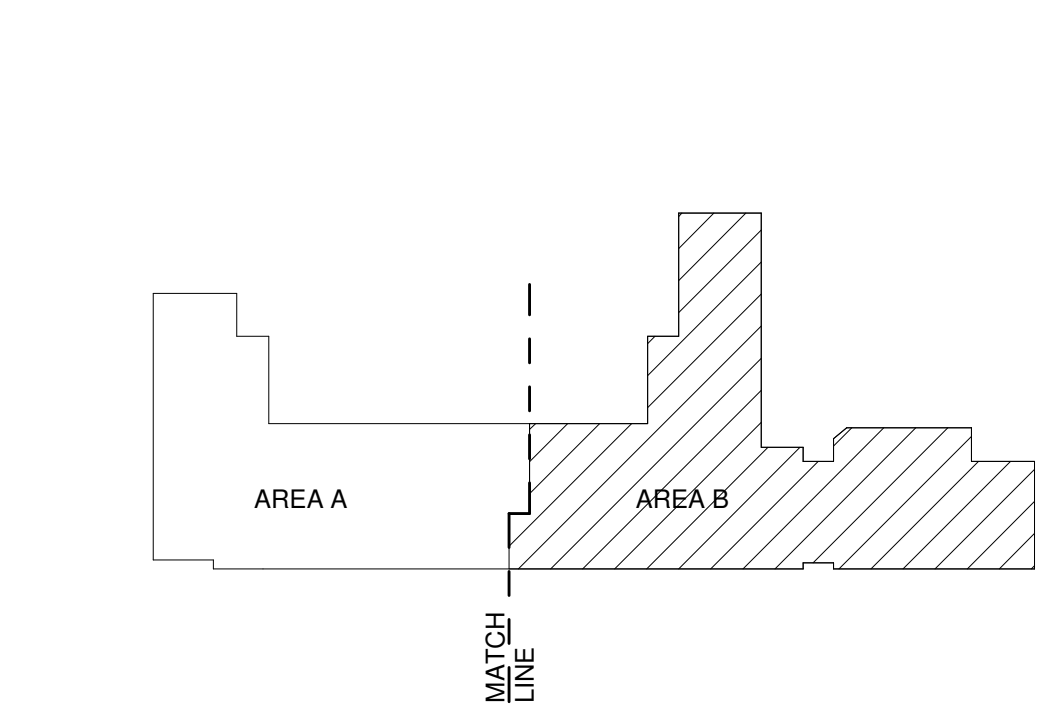
FINISH LEGEND (BASIS OF DESIGN)

<p>06 4023 PLASTIC LAMINATE (PL-X) PL-1 MFG FORMICA COLOR NATURAL MAPLE NUMBER 756-58 FINISH MATTE</p>	<p>06 4023 SOLID SURFACE (SS-X) SS-1 MFG WILSONART COLOR HOT STONE 5201GS THICKNESS 1/2" NOTES COUNTERTOPS AND WINDOW SILLS</p>	<p>09 3000 TILING (T-X) T-1 MFG MOSA STYLE GLOBAL COLLECTION COLOR WARM GREY 76240 FINISH SMOOTH (V) MATTE SIZE 6" X 6" GROUT TBD NOTES RESTROOM FLOOR TILE</p>	<p>09 6513 RESILIENT BASE (RA-X) RA-1 MFG TARKETT COLOR T81 PEPPERCORN STYLE 4" RUBBER COVE BASE</p>
<p>09 3000 TILING (T-X) T-2 MFG MOSA STYLE GLOBAL COLLECTION COLOR WARM GREY 26240 FINISH WALL GLOSS SIZE 6" X 6" GROUT TBD NOTES RESTROOM WALL TILE</p>	<p>09 3000 TILING (T-X) T-3 MFG MOSA STYLE GLOBAL COLLECTION COLOR IVORY WHITE 16660 FINISH WALL GLOSS SIZE 6" X 6" GROUT TBD NOTES WALL ACCENT</p>	<p>09 3000 TILING (T-X) T-4 MFG MOSA STYLE GLOBAL COLLECTION COLOR NAPLES YELLOW 16670 FINISH WALL GLOSS SIZE 6" X 6" GROUT TBD NOTES WALL ACCENT</p>	<p>09 3000 TILING (T-X) T-5 MFG MOSA STYLE GLOBAL COLLECTION COLOR SIENNA RED 25260 FINISH WALL GLOSS SIZE 6" X 6" GROUT TBD NOTES WALL ACCENT</p>
<p>09 3000 TILING (T-X) TA-1 MFG MOSA STYLE GLOBAL COLLECTION COLOR WARM GREY 76240 FINISH SP SIZE 6" X 6" GROUT TBD NOTES TILE WALL BASE</p>	<p>09 3000 TILING (T-X) TA-2 MFG MOSA STYLE GLOBAL COLLECTION COLOR WARM GREY 76240 FINISH SMOOTH (V) MATTE SIZE 6" X 6" GROUT TBD NOTES SLOPING SHOWER EDGE TILE</p>	<p>09 3000 TILING (T-X) TA-3 MFG MOSA STYLE GLOBAL COLLECTION COLOR SW 7023 BLACK FOX FINISH SMOOTH (V) MATTE SIZE 6" X 6" GROUT TBD NOTES SLOPING SHOWER CORNER PIECE</p>	<p>09 6513 RESILIENT TILE FLOORING (RF-X) RF-1 MFG JOHNSONITE COLOR GLENDALE 404 SIZE 12" X 24"</p>
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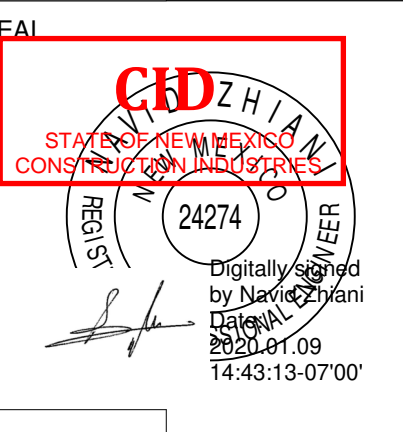
LEGEND

- |— FLOORING MATERIAL TRANSITION, TRANSITION STRIP REQUIRED, REF AF621
- |— FLOORING PATTERN TRANSITION, NO TRANSITION STRIP REQUIRED
- XX-X FLOORING MATERIAL REFERENCE FINISH LEGEND
- ← CARPET DIRECTION

KEY PLAN







Brown Early Childhood Center  
Old Wing Renovation  
520 W 5th St, Portales, NM 88130

CONSTRUCTION DOCUMENTS

REVISIONS

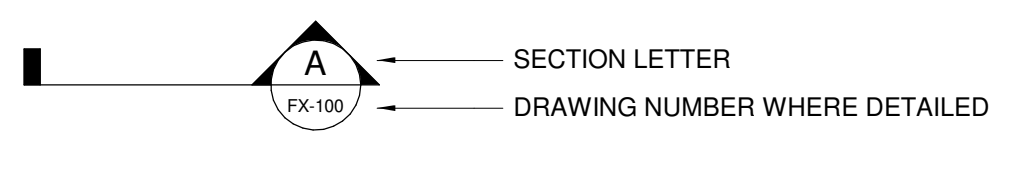
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DRAWN BY	PCN
REVIEWED BY	SDS
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PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

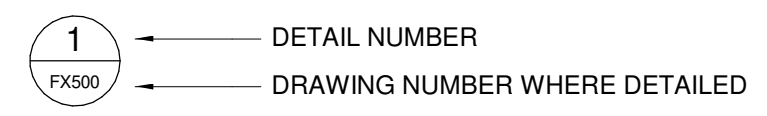
FIRE PROTECTION LEGEND

FIRE PROTECTION SYMBOL LEGEND

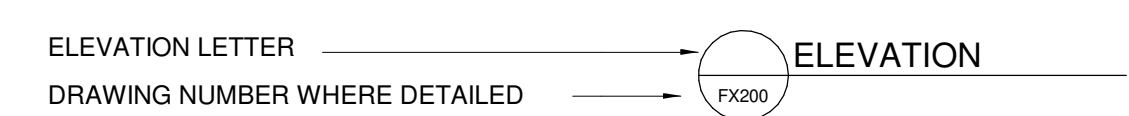
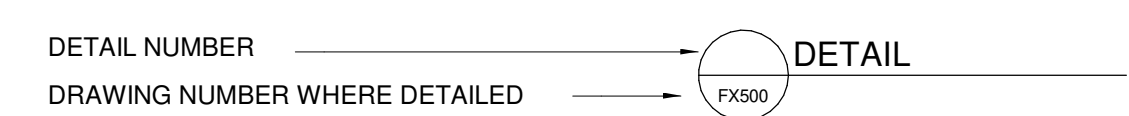
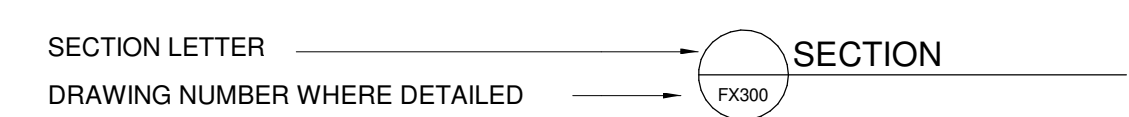
SECTION SYMBOL



DETAIL SYMBOL



SECTION, ELEVATION, AND DETAIL TITLES



SITE UTILITY SYMBOLS

DESCRIPTION	NEW	EXISTING
FIRE PROTECTION	F	EX. F
POST INDICATOR VALVE	PIV	EX. PIV
REDUCED PRESSURE BACKFLOW PREVENTER	[Symbol]	[Symbol]
FIRE HYDRANT	F.H.	F.H.(E)
FIRE DEPARTMENT INLET CONNECTION	F.D.C.	F.D.C.
VALVE WITH VALVE BOX	[Symbol]	[Symbol]
CONSTRUCTION	[Symbol]	[Symbol]
FENCING	[Symbol]	[Symbol]

FIRE FLOW DATA

TEST DATE:	05/01/2019
LINE SIZE:	6 INCH MAIN
WATER PRESSURE ZONE:	XX - XXXX
TEST ELEVATION:	XXXX' MSL
REQUESTED LOADING:	XXXX GPM
(IF MODELED BY THE MUNICIPALITY)	
TEST LOCATION:	4TH AND AVE. D/ TEST HYDRANT: 4TH AND F
PEAK STATIC PRESSURE:	58.0 PSI
RESIDUAL PRESSURE:	54.0 PSI
FLOWING GPM:	581 GPM
(IF NOT MODELED BY THE MUNICIPALITY)	
TEST LOCATION:	4TH AND AVE. F TEST HYDRANT: 5TH AND G
PEAK STATIC PRESSURE:	53.0 PSI
RESIDUAL PRESSURE:	50.0 PSI
FLOWING GPM:	531 GPM
(IF NOT MODELED BY THE MUNICIPALITY)	
TEST LOCATION:	5TH AND AVE. E TEST HYDRANT: 6TH AND D
PEAK STATIC PRESSURE:	53.0 PSI
RESIDUAL PRESSURE:	50.0 PSI
FLOWING GPM:	950 GPM
(IF NOT MODELED BY THE MUNICIPALITY)	

SCHEMATIC SYMBOLS

SYMBOL	ABBREVIATION	DESCRIPTION
[Symbol]		KEYED NOTE
[Symbol]		POINT OF CONNECTION TO EXISTING
[Symbol]		EXISTING PIPE TO BE REMOVED
[Symbol]		NEW PIPING
[Symbol]		EXISTING PIPING TO REMAIN
[Symbol]		NEW PIPE CONNECTION TO EXISTING PIPING
[Symbol]		DIRECTION OF FLOW
[Symbol]		DROP IN PIPE
[Symbol]		RISE IN PIPE
[Symbol]		TOP CONNECTION, 45° OR 90°
[Symbol]		BOTTOM CONNECTION, 45° OR 90°
[Symbol]		CAPPED OUTLET
[Symbol]		SIDE CONNECTION
[Symbol]		UNION
[Symbol]		FLANGED UNION
[Symbol]		ORIFICE UNION
[Symbol]		REDUCER OR INCREASER
[Symbol]		ECCENTRIC REDUCER
[Symbol]		PIPE GUIDE
[Symbol]		FLEXIBLE CONNECTION
[Symbol]		UNIVERSAL TEMPERATURE-PRESSURE FITTING (PETE'S PLUG)
[Symbol]		STRAINER WITH BLOWDOWN VALVE & HOSE BIBB
[Symbol]		PRESSURE GAUGE AND GAUGE COCK
[Symbol]		TEST PLUG (PRESS/TEMP)
[Symbol]		PENETRATION
[Symbol]		MANUAL AIR VENT (MAV)
[Symbol]	AAV	AUTOMATIC AIR VENT (AAV)
[Symbol]	FS/FD/AD	FLOOR SINK, FLOOR DRAIN, AREA DRAIN
[Symbol]		SLOPE OF PIPE
[Symbol]	AG	AIR GAP FITTING
[Symbol]	(WH) (HB)	WALL HYDRANT, HOSE BIBB
[Symbol]	TP	TRAP PRIMER WITH ACCESS PANEL
[Symbol]		WATER MOTOR GONG
[Symbol]		ALARM BELL
[Symbol]		FIRE HOSE CABINET
[Symbol]		FIRE HOSE VALVE CABINET
[Symbol]		CLEAN AGENT FIRE SUPPRESSION
[Symbol]		DISCHARGE NOZZLE
[Symbol]		AUDIO/VISUAL ALARM
[Symbol]		CONTROL PANEL

PIPING SYMBOLS

SYMBOL	ABBREVIATION	DESCRIPTION
[Symbol]	CA	COMPRESSED AIR
[Symbol]	FP	FIRE PROTECTION, WET PIPE
[Symbol]	DFP	FIRE PROTECTION, DRY PIPE
[Symbol]	SP	STANDPIPE, WET
[Symbol]	DSP	STANDPIPE, DRY
[Symbol]	DP	DRY PIPE/PRE-ACTION FIRE PROTECTION

FIRE PROTECTION-INTERIOR

SYMBOL	DESCRIPTION
[Symbol]	PENDANT STYLE HEAD/DRY TYPE AS NOTED
[Symbol]	UPRIGHT STYLE HEAD/DRY TYPE AS NOTED
[Symbol]	SIDEWALL STYLE HEAD/DRY TYPE AS NOTED

NOTE: NOT ALL ABBREVIATIONS OR SYMBOLS APPLY TO THIS PROJECT

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ANT	ACID NEUTRALIZING TANK
BOP	BOTTOM OF PIPE
DN	DOWN
EL	ELEVATION
FFE	FINISHED FLOOR ELEVATION
FT	FEET
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HB	HOSE BIBB
HD	HEAD
HP	HORSEPOWER
IN	INCHES
INV	INVERT
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
No. #	NUMBER
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
OS&Y	OUTSIDE SCREW AND YOKE
PH	PHASE
PSIG	POUNDS PER SQUARE INCH GAUGE
SP	STATIC PRESSURE
TD	TRENCH DRAIN
TYP	TYPICAL
YB	YARD BOX
YH	YARD HYDRANT

VALVE SYMBOLS

SYMBOL	ABBREVIATION	DESCRIPTION
[Symbol]	FP	ROOF MANIFOLD
[Symbol]	FDC	FIRE DEPARTMENT INLET CONNECTION
[Symbol]	(E)FDC	EXISTING FIRE DEPARTMENT INLET CONNECTION
[Symbol]	FP	WET PIPE FIRE RISER
[Symbol]	DFP	DRY PIPE FIRE RISER
[Symbol]	DP	DELUGE/PREACTION FIRE RISER
[Symbol]	D	INSPECTOR'S TEST CONNECTION (HORIZONTAL)
[Symbol]	D	INSPECTOR'S TEST CONNECTION (VERTICAL)
[Symbol]		STANDPIPE VALVE
[Symbol]		FLOW CONTROL VALVE
[Symbol]		FLOW SWITCH
[Symbol]		GATE VALVE
[Symbol]		GLOBE VALVE
[Symbol]		OS&Y VALVE
[Symbol]		BUTTERFLY VALVE
[Symbol]		BALL VALVE
[Symbol]		CHECK VALVE
[Symbol]		WATER PRESSURE REDUCING VALVE
[Symbol]		AUTO BALL DRIP VALVE
[Symbol]		PRESSURE RELIEF VALVE
[Symbol]		TEMPERATURE AND PRESSURE RELIEF VALVE
[Symbol]		DRAIN VALVE
[Symbol]		VALVE IN VERTICAL
[Symbol]		FLOW SWITCH
[Symbol]		DIAPHRAGM (PROCESS SYSTEMS)
[Symbol]		REDUCED PRESSURE BACKFLOW PREVENTER (RPBP)
[Symbol]		ATMOSPHERIC VACUUM BREAKER
[Symbol]		PRESSURE STYLE VACUUM BREAKER



Portales Brown Early Childhood Center, Project #S20-008, FSCOC FUNDED

**GENERAL SHEET NOTES**

- A. THE CONTRACTOR SHALL COMPLY WITH NFPA-13 AND REQUIREMENTS OF THE AHJ.
- B. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ARCHITECT/ENGINEER FOR APPROVAL PRIOR TO COMMENCING WORK.
- C. ALL EQUIPMENT AND MATERIALS SHALL CONFORM TO NFPA STANDARDS AND BE UL LISTED.
- D. SPRINKLER SYSTEMS SHALL BE DESIGNED FOR LIGHT HAZARD WITH DESIGN DENSITY OF 0.10 GPM / 1500 SQ.FT. THROUGHOUT ENTIRE BUILDING UNLESS NOTED OTHERWISE.
- E. MAXIMUM SPRINKLER HEAD COVERAGE SHALL BE 225 SQ.FT. PER HEAD IN LIGHT HAZARD AREAS.
- F. THE CONTRACTOR SHALL COORDINATE THEIR WORK WITH THE MECHANICAL, PLUMBING, AND ELECTRICAL PRIOR TO FABRICATION AND DURING INSTALLATION.
- G. THE CONTRACTOR SHALL SUPPLY AND INSTALL AN INSPECTORS TEST CONNECTION (ITC) FOR EACH SPRINKLER SYSTEM, RUN THROUGH EXTERIOR WALLS WHERE APPROVED BY ARCHITECT / ENGINEER.
- H. THE ARCHITECT SHALL APPROVE THE AESTHETICS OF THE SPRINKLER HEADS AND EXPOSED PIPING LAYOUT.
- I. PROVIDE PENDANT AND UPRIGHT SPRINKLERS IN ALL CONCEALED COMBUSTIBLE SPACES.
- J. USE FLUSH CONCEALED HEADS IN ALL TOILET ROOMS. PROVIDE SPRINKLERS UNDER EXPOSED DUCT OR OBSTRUCTIONS 48" WIDE AND LARGER.
- K. REFER TO CEILING TILE DETAIL C1/FX-501 FOR SPRINKLER HEAD LOCATIONS IN CEILING TILES.
- L. PROVIDE SIDEWALL SPRINKLER HEADS AT TOP OF SKYLIGHTS.
- M. REFER TO FIRE RISER DIAGRAM A3/FX501 FOR MORE INFORMATION.

**KEYNOTES**

- 1. CONNECT NEW 6" BRANCH LINE TO PUBLIC WATER UTILITY MAIN.
- 2. PUBLIC UTILITY MAIN SHUTOFF VALVE & VALVE BOX.
- 3. POST INDICATOR VALVE. REFER TO DETAIL D5/FX501 FOR ADDITIONAL INFORMATION.
- 4. HEATED ENCLOSURE. REFER TO DETAIL H1/FX501 FOR ADDITIONAL INFORMATION.
- 5. FIRE RISER ASSEMBLY. REFER TO DETAIL D3/FX501 FOR ADDITIONAL INFORMATION.
- 6. FIRE SPRINKLER SUPPLY MAIN.
- 7. PHASE 1 INTERIM INSPECTOR TEST VALVE LOCATION.
- 8. TERMINATE IN ACCORDANCE WITH NFPA-13.

Brown Early Childhood Center  
Old Wing Renovation  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

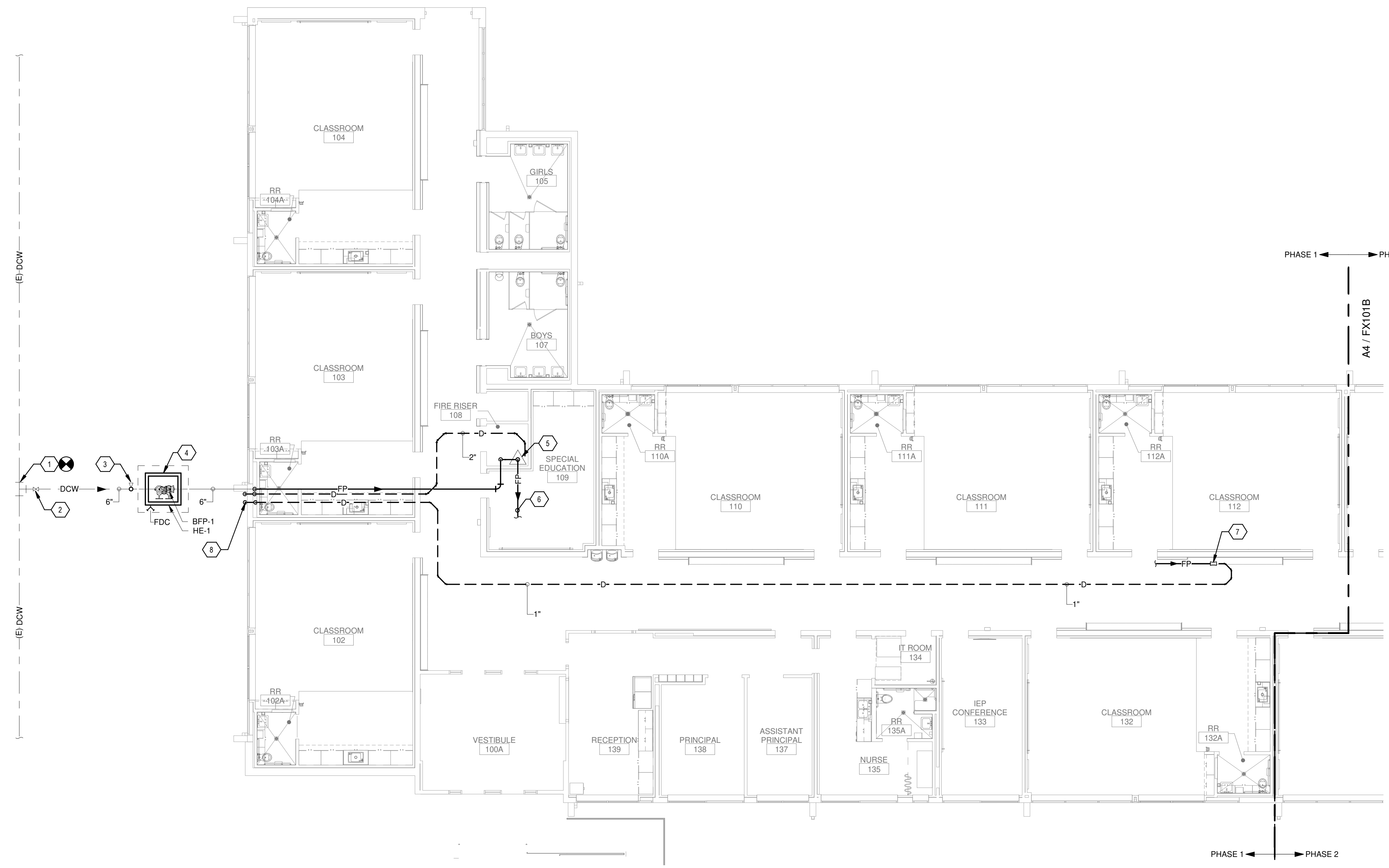
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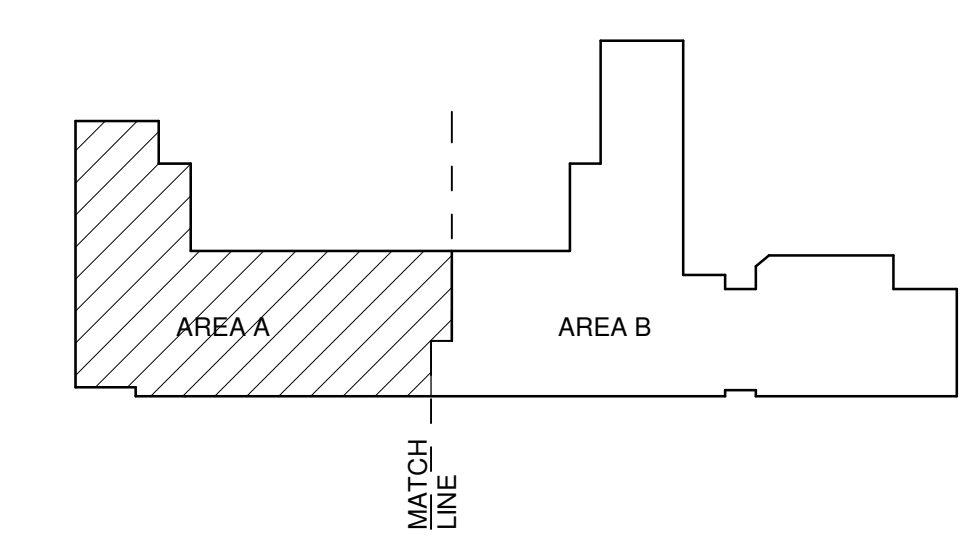
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REVIEWED BY	SDS
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

**FIRE PROTECTION FLOOR PLAN - AREA A - BID LOT #1**

SHEET NO **FX101A**



**KEYPLAN**



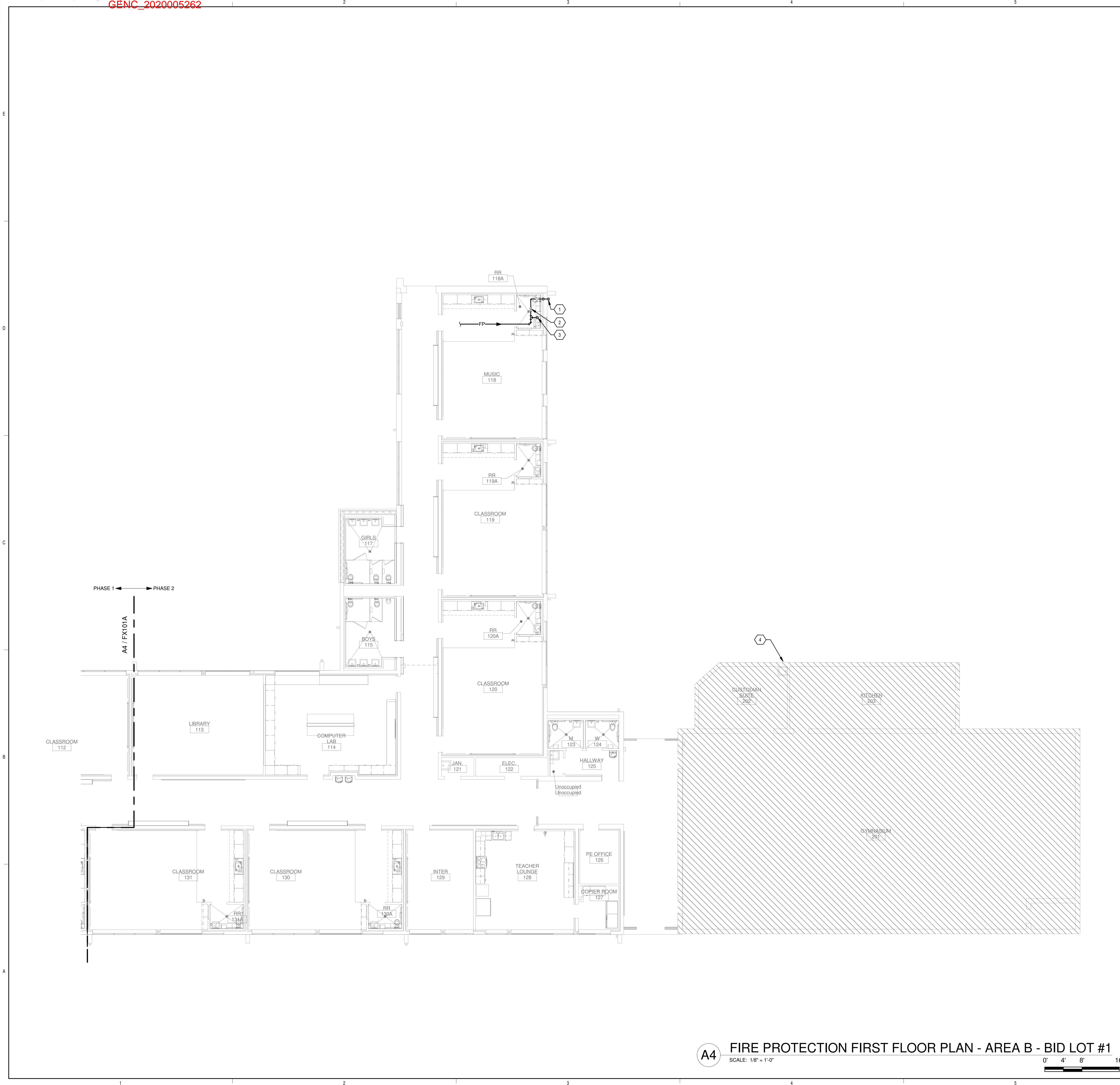
**A4 FIRE PROTECTION FIRST FLOOR PLAN - AREA A - BID LOT #1**  
SCALE: 1/8" = 1'-0"



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Bridgers & Paxton Project No: 8022



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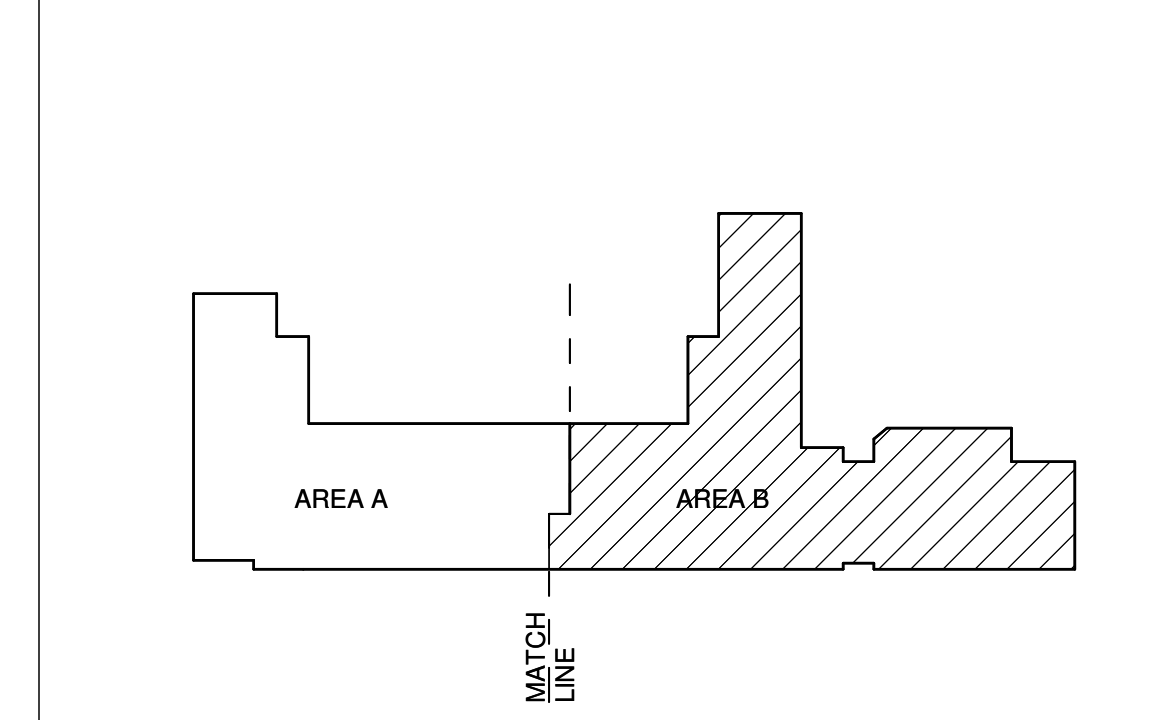
**GENERAL SHEET NOTES**

- A. <sup>XXX</sup> THE CONTRACTOR SHALL COMPLY WITH NFPA-13 AND REQUIREMENTS OF THE AHJ.
- B. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ARCHITECT/ENGINEER FOR APPROVAL PRIOR TO COMMENCING WORK.
- C. ALL EQUIPMENT AND MATERIALS SHALL CONFORM TO NFPA STANDARDS AND BE UL LISTED.
- D. SPRINKLER SYSTEMS SHALL BE DESIGNED FOR LIGHT HAZARD WITH DESIGN DENSITY OF 0.10 GPM / 1500 SQ.FT. THROUGHOUT ENTIRE BUILDING UNLESS NOTED OTHERWISE.
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- I. PROVIDE PENDANT AND UPRIGHT SPRINKLERS IN ALL CONCEALED COMBUSTIBLE SPACES.
- J. USE FLUSH CONCEALED HEADS IN ALL TOILET ROOMS. PROVIDE SPRINKLERS UNDER EXPOSED DUCT OR OBSTRUCTIONS 48" WIDE AND LARGER.
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- L. PROVIDE SIDEWALL SPRINKLER HEADS AT TOP OF SKYLIGHTS.
- M. REFER TO FIRE RISER DIAGRAM A3/FX501 FOR MORE INFORMATION.

**KEYNOTES**

- 1. TERMINATE IN ACCORDANCE WITH NFPA-13.
- 2. INSPECTOR'S TEST VALVE. REFER TO DETAIL B5/FX501 FOR ADDITIONAL INFORMATION.
- 3. MOST REMOTE HEAD.
- 4. EXISTING FIRE PROTECTION TO REMAIN. NO FIRE PROTECTION SCOPE OF WORK IN THIS AREA.

**KEYPLAN**



**A4 FIRE PROTECTION FIRST FLOOR PLAN - AREA B - BID LOT #1**  
SCALE: 1/8" = 1'-0"



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505.883.4111 www.btpa.com

SEAL  
**CID**  
STATE OF NEW MEXICO  
CONSULTING ENGINEER  
24274  
Digitally signed by William Sprick  
DN: cn=William Sprick, o=CID  
2020.01.09 14:43:39-0700

PROJECT  
**PUBLIC SCHOOL FACILITIES AUTHORITY**  
APPROVED  
William Sprick  
Quality Specialist

**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

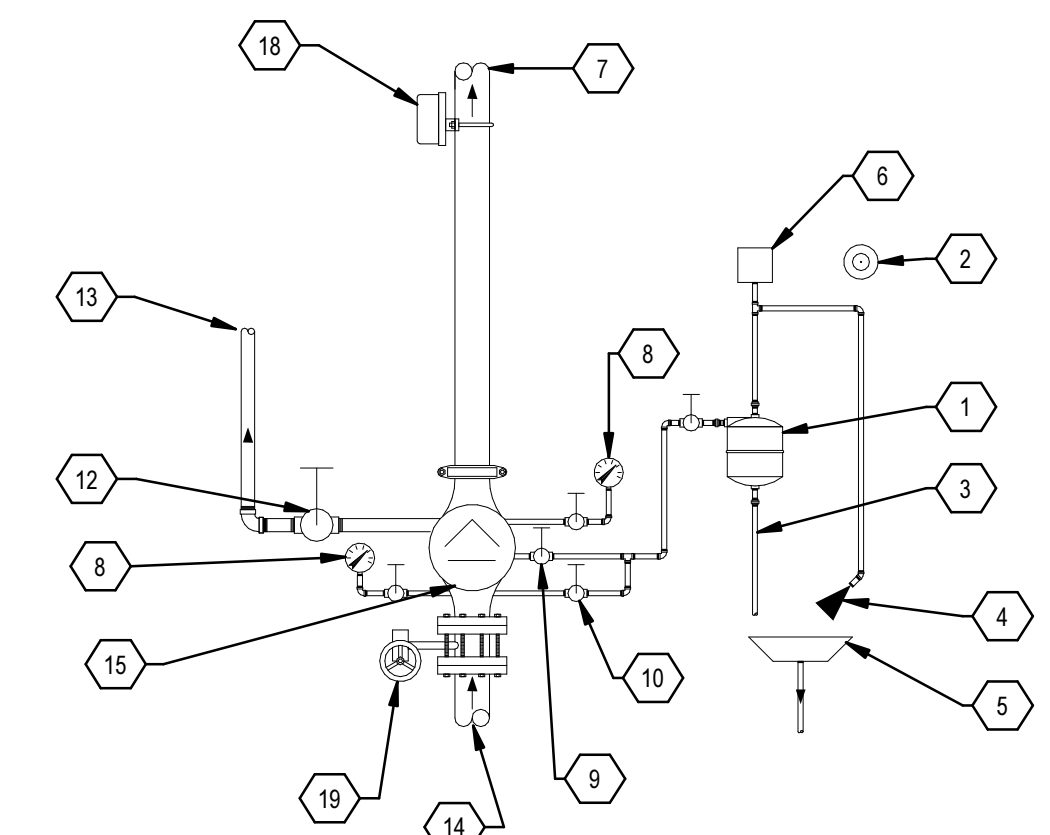
**CONSTRUCTION DOCUMENTS**

REVISIONS

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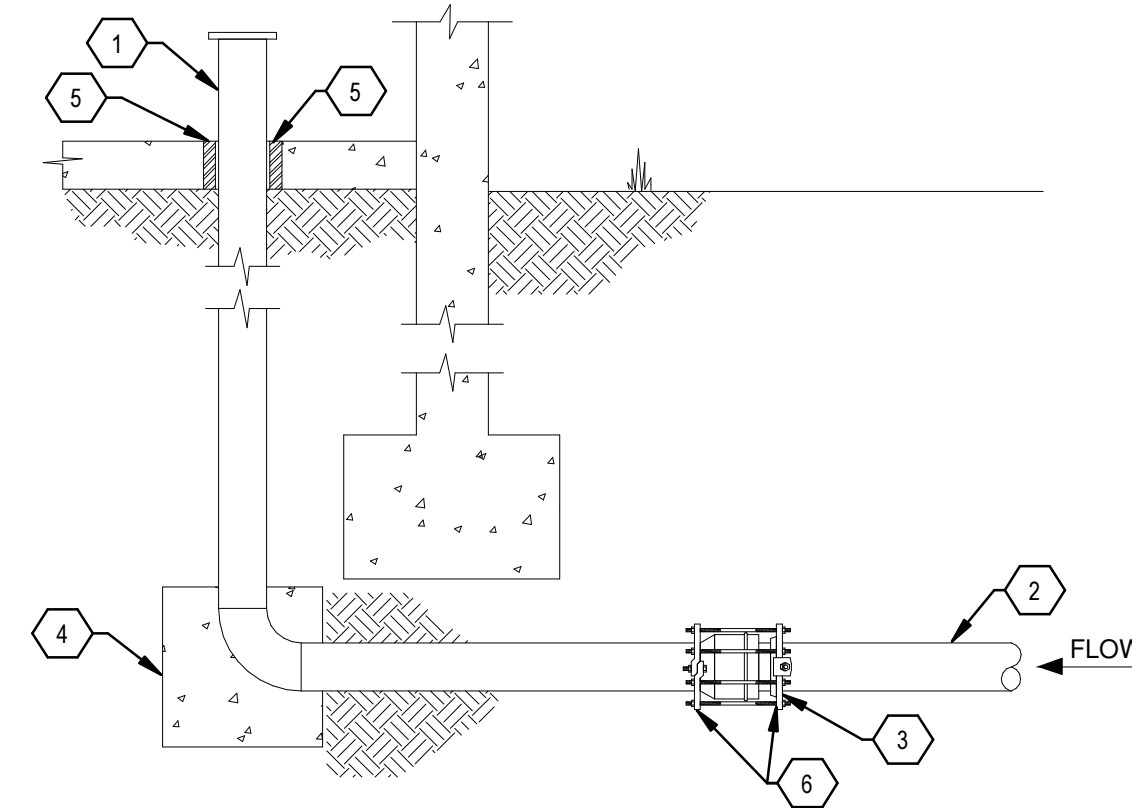
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REVIEWED BY	SDS
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	
<b>FIRE PROTECTION FLOOR PLAN - AREA B - BID LOT #1</b>	
SHEET NO	<b>FX101B</b>





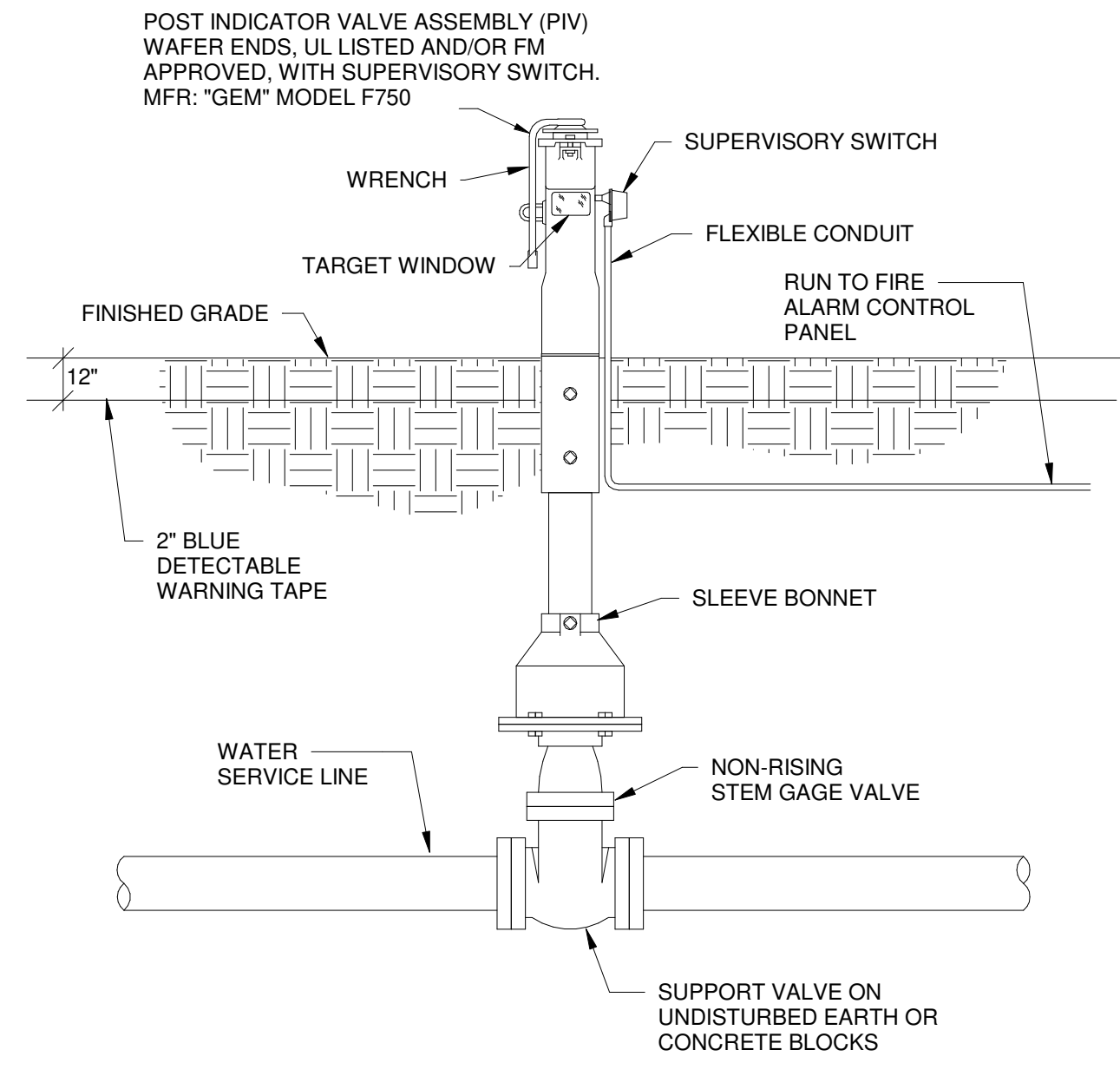
- |   |  |
|---|--|
| 1 RETARDING CHAMBER   | 11 NOT USED                              |
| 2 ELECTRIC ALARM LOCATED 8'-0" AFG & ADJACENT TO SIAMESE FIRE DEPARTMENT INLET CONNECTION | 12 FULL SIZED MAIN DRAIN VALVE           |
| 3 AUTOMATIC DRIP  | 13 TO EXTERIOR DISCHARGE                 |
| 4 RESTRICTED VENT   | 14 FROM FIRE PROTECTION MAIN SUPPLY LINE |
| 5 DRIP CUP W/DRAIN LINE TO EXTERIOR DISCHARGE   | 15 ALARM CHECK VALVE                     |
| 6 ALARM SWITCH  | 16 NOT USED                              |
| 7 TO SPRINKLER SYSTEM   | 17 NOT USED                              |
| 8 WATER PRESSURE GAUGE  | 18 FLOW SWITCH                           |
| 9 ALARM SHUT-OFF VALVE & CHECK VALVE (NORMALLY OPEN)                                      | 19 INDICATING BUTTERFLY VALVE            |
| 10 ALARM TEST VALVE (NORMALLY CLOSED)   |  |

D3 SPRINKLER ALARM VALVE  
SCALE: NOT TO SCALE

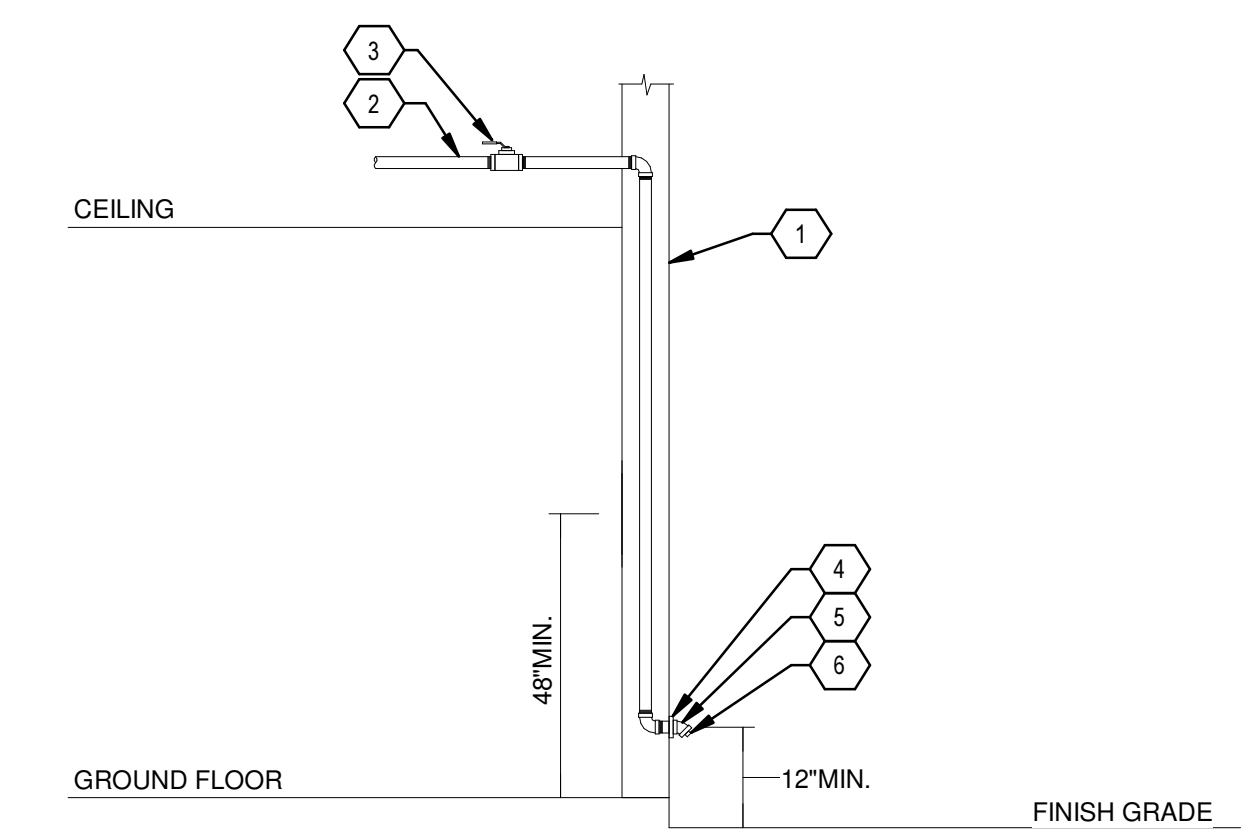


- |   |   |
|---|---|
| 1 AMES IN-BUILDING RISER, STAINLESS STEEL TYPE 304. SEE PLANS FOR SIZE AND SERVICE                  | 4 CONCRETE THRUST BLOCK SIZED IN ACCORDANCE WITH UBC IF REQUIRED BY AHJ |
| 2 DUCTILE, CAST-IRON, OR PVC WATER SERVICE  | 5 PIPE SLEEVE, SEE SPECIFICATIONS                                       |
| 3 MECHANICAL JOINT FROM SUPPLY PIPE TO STAINLESS STEEL, CONTINUE INTO BUILDING WITH STAINLESS STEEL | 6 MEGALUG PIPE RESTRAINT HARNESS  |

B3 FIRE PROTECTION ENTRY BELOW FOOTING DETAIL  
SCALE: NOT TO SCALE

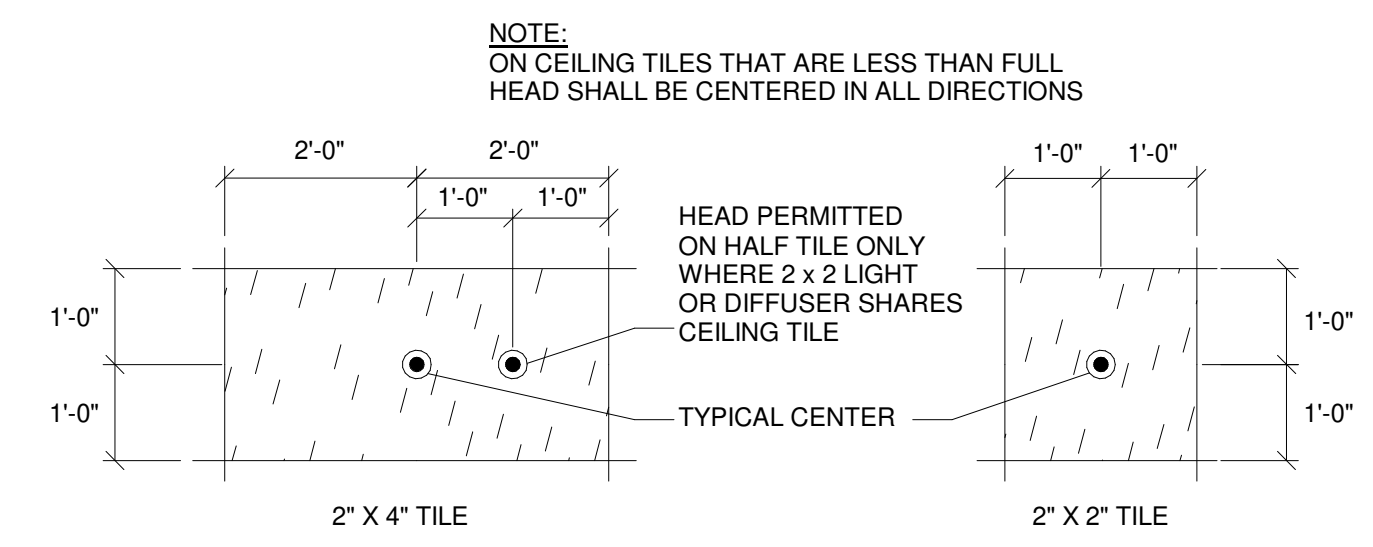


D5 POST INDICATOR VALVE DETAIL  
SCALE: NOT TO SCALE

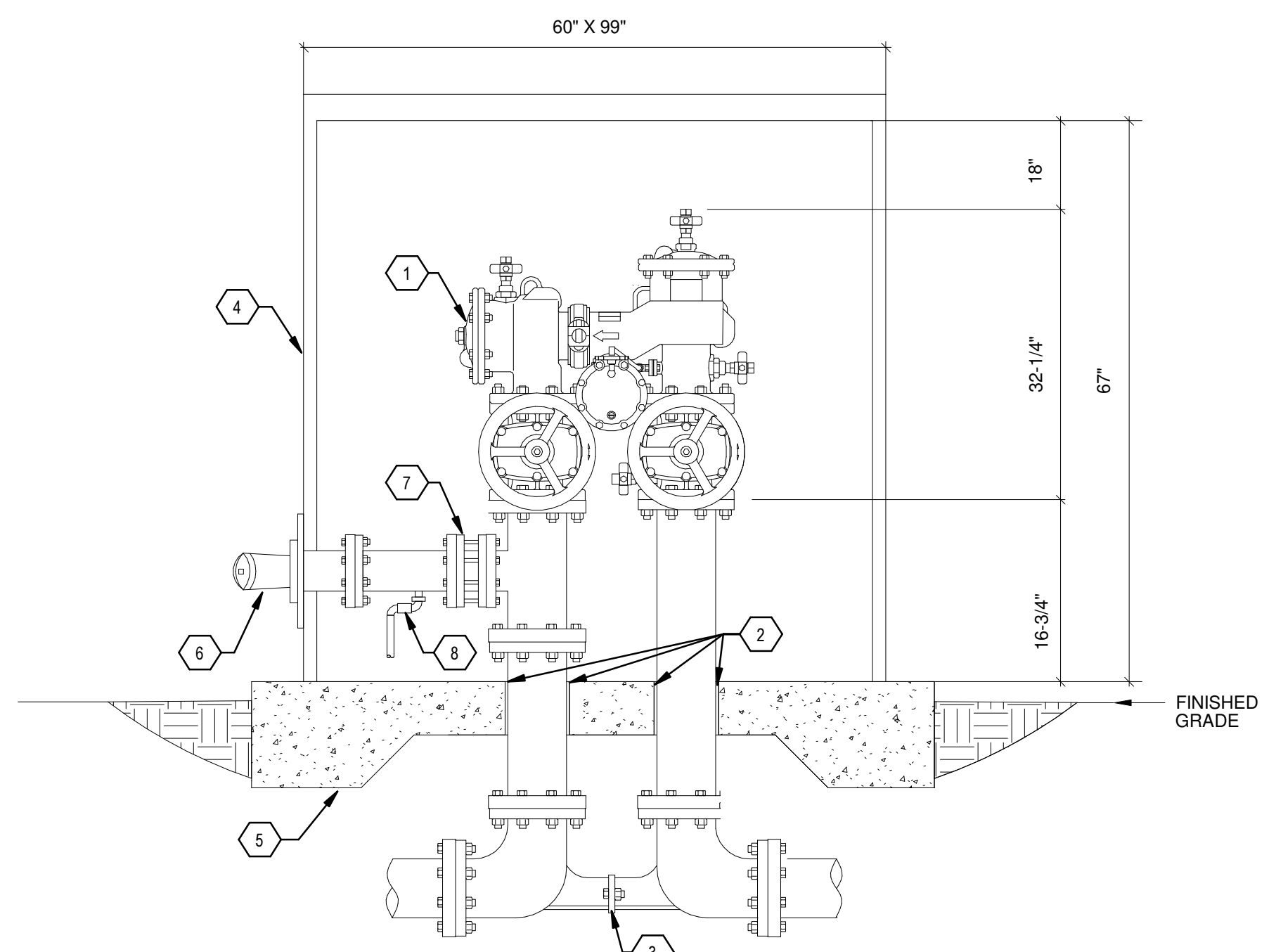


- |   |   |
|---|---|
| 1 EXTERIOR WALL   | 5 1" GALVANIZED 45 DEGREE ELBOW   |
| 2 1" SUPPLY FROM SPRINKLER SYSTEM ZONE  | 6 SMOOTH BORE CORROSION RESISTANT OUTLET WITH FLOW EQUAL TO ONE SPRINKLER WITH SMALLEST ORIFICE |
| 3 1" TEST & DRAIN VALVE WITH SIGNAGE (NORMALLY CLOSED) ON WARM SIDE OF INSULATION |   |
| 4 1" GALVANIZED WALL PLATE  |   |

B5 INSPECTOR'S TEST DRAIN VALVE  
SCALE: NOT TO SCALE

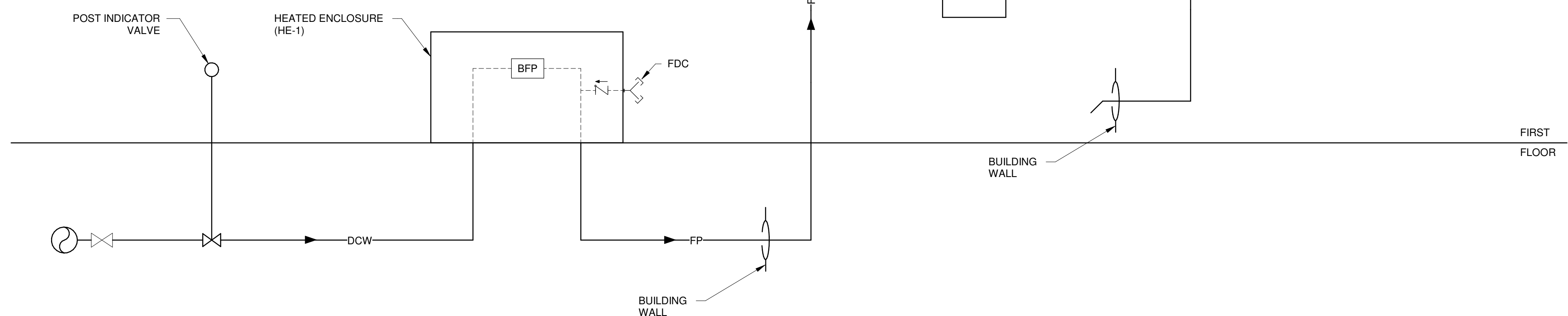


C1 FIRE SPRINKLER CEILING TILE DETAIL  
SCALE: NOT TO SCALE



- |  |  |
|--|--|
| 1 N-PATTERN FIRE REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY. DOMESTIC BACKFLOW PREVENTER NOT SHOWN FOR CLARITY | 5 CONCRETE PAD   |
| 2 SLEEVE AND CAULK SLAB PENETRATION  | 6 FIRE DEPARTMENT CONNECTION. CONFIRM ELEVATION WITH AHJ |
| 3 VALVE SETTER   | 7 FM APPROVED WAFER CHECK VALVE                          |
| 4 HEATED ENCLOSURE CUSTOM MODEL  | 8 AUTO-BALL DRIP VALVE                                   |

A1 REDUCED PRESSURE BACK FLOW PREVENTER WITH FDC  
SCALE: NOT TO SCALE



A3 FIRE RISER DIAGRAM  
SCALE: NOT TO SCALE

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Portales Brown Early Childhood Center, Project #S20-008, PSCOC FUNDED



PLUMBING SYMBOL LEGEND

MEDICAL GAS SYMBOLS

SYMBOL	ABBREVIATION	DESCRIPTION
MA	MA	MEDICAL AIR
N	N	NITROGEN
NO	NO	NITROUS OXIDE
O	O	OXYGEN
MV	MV	MEDICAL VACUUM
IA	IA	INSTRUMENT AIR
WAGD	WAGD	WASTE ANESTHESIA GAS DISPOSAL
DA	DA	DENTAL AIR
DV	DV	DENTAL VACUUM
		EXISTING PIPING
		ALARM PANEL (IN WALL)
		MEDICAL VALVE BOX
		MEDICAL GAS DROP

PROCESS GASES

SYMBOL	ABBREVIATION	DESCRIPTION
CDA	CDA	COMPRESSED DRY AIR
CO2	CO2	CARBON DIOXIDE
AR	AR	ARGON
AC	AC	ACETYLENE
HE	HE	HELIUM
H	H	HYDROGEN
LN	LN	LIQUID NITROGEN
LOX	LOX	LIQUID OXYGEN
O	O	OXYGEN

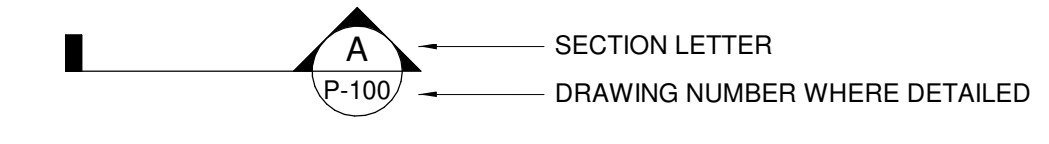
VALVE SYMBOLS

SYMBOL	DESCRIPTION
	GATE VALVE
	GLOBE VALVE
	SOLENOID VALVE
	OS&Y VALVE
	BUTTERFLY VALVE
	BALL VALVE
	CHECK VALVE
	PLUG VALVE
	BALANCING VALVE/CIRCUIT SETTER MEASURING DEVICE
	WATER PRESSURE REDUCING VALVE
	2-WAY CONTROL VALVE
	3-WAY MODULATING CONTROL VALVE
	FUEL GAS PRESSURE REGULATOR
	PRESSURE RELIEF VALVE
	TEMPERATURE AND PRESSURE RELIEF VALVE
	DRAIN VALVE
	VALVE IN VERTICAL
	FLOW SWITCH
	DIAPHRAGM (PROCESS SYSTEMS)
	REDUCED PRESSURE BACKFLOW PREVENTER (RPBP)
	ATMOSPHERIC VACUUM BREAKER
	PRESSURE STYLE VACUUM BREAKER

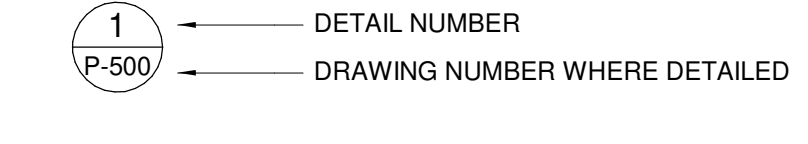
SITE UTILITY SYMBOLS

DESCRIPTION	NEW	EXISTING
SANITARY SEWER	S	EX. S
COLD WATER SUPPLY	W	EX. W
FIRE PROTECTION	F	EX. F
NATURAL GAS	G	EX. G
STORM DRAIN	SD	EX. SD
IRRIGATION	IRR	EX. IRR
VALVE WITH VALVE BOX		
FIRE HYDRANT	F.H.	F.H.(E)
FIRE DEPARTMENT INLET CONNECTION	F.D.C.	F.D.C.
CONSTRUCTION		
THRUST BLOCK		
CLEANOUT	SAS C.O.	SAS C.O.(E)
POWER POLE	PP	PP
FENCING		
LIGHT POLE	LP	LP
WATER METER	WM	WM
NATURAL GAS METER	GM	GM
GATE VALVE		
VALVE IN RISER		
POST INDICATOR VALVE	PIV	PIV
REDUCED PRESSURE BACKFLOW PREVENTER		
SANITARY MANHOLE	SAS M.H.	SAS M.H.(E)
SLOPE AND LINEAL FOOTAGE	255' OF 6" @ 0.15% SLOPE	

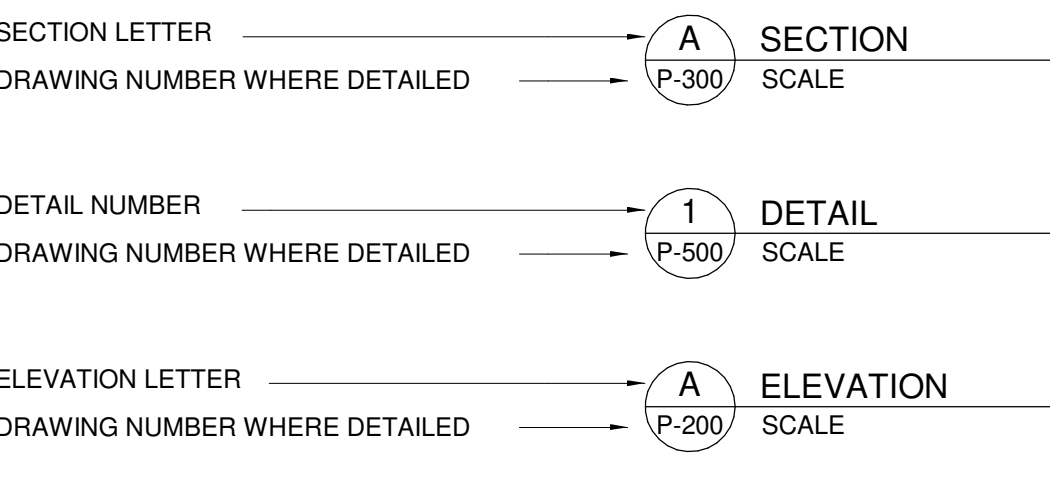
SECTION SYMBOL



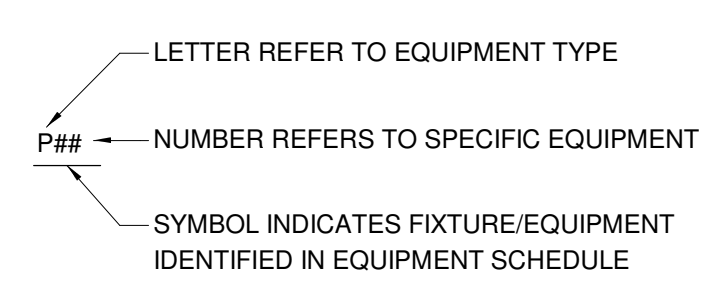
DETAIL SYMBOL



SECTION, ELEVATION, AND DETAIL TITLES



FIXTURE & EQUIPMENT SYMBOL



ABBREVIATIONS

AFG	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ANT	ACID NEUTRALIZING TANK
AVTR	ACID RESISTANT VENT THROUGH ROOF
B.C.	BALANCING COCK
BOP	BOTTOM OF PIPE
BTU	BRITISH THERMAL UNIT
BTUH	BTU PER HOUR
CWB	CLOTHES WASHER BOX
CFH	CUBIC FEET PER HOUR
CO	CLEANOUT
COTG	CLEANOUT TO GRADE
CP	CIRCULATION PUMP
CWV	COMBINATION WASTE AND VENT
DCO	DOUBLE CLEANOUT
DCOTG	DOUBLE CLEANOUT TO GRADE
DF	DRINKING FOUNTAIN
DN	DOWN
DS	DOWNSPOUT
DSN	DOWNSPOUT NOZZLE
EL	ELEVATION
EW	ELECTRIC WATER HEATER
EWC	ELECTRIC WATER COOLER
EEW	EMERGENCY EYEWASH
ES	EMERGENCY SHOWER
ESEW	EMERGENCY SHOWER EYE WASH
F	DEGREES FAHRENHEIT
FCO	FLOOR CLEANOUT
FEE	FINISHED FLOOR ELEVATION
FT	FEET
FOG	FUEL OIL SUPPLY
FOR	FUEL OIL RETURN
FOV	FUEL OIL VENT
FV	FLUSH VALVE
GD	GUTTER DRAIN
GI	GREASE INTERCEPTOR
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GWH	GAS WATER HEATER
HB	HOSE BIBB
HD	HEAD
HP	HORSEPOWER
IN	INCHES
INVERT	INVERT
KW	KILOWATT
MBH	1,000 BTUH
MV	MIXING VALVE
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
No. #	NUMBER
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
OS&Y	OUTSIDE SCREW AND YOKE
PH	PHASE
Ph	POWERS OF HARDNESS
PSIG	POUNDS PER SQUARE INCH GAUGE
SP	STATIC PRESSURE
TD	TRENCH DRAIN
TP	TYPICAL
YB	YARD BOX
YH	YARD HYDRANT
WCO	WALL CLEANOUT
WC	WATER CLOSET

NOTE: NOT ALL ABBREVIATIONS OR SYMBOLS APPLY TO THIS PROJECT

PIPING SYMBOLS

SYMBOL	ABBREVIATION	DESCRIPTION
	AV	ACID WASTE
	AW	ACID WASTE
	CA	COMPRESSED AIR
	CD	CONDENSATE DRAIN
	DCW	DOMESTIC COLD WATER
	DHW	DOMESTIC HOT WATER
	DHWR	DOMESTIC HOT WATER RETURN
	DHW 140°F	140° DOMESTIC HOT WATER
	DHWR 140°F	140° DOMESTIC HOT WATER RETURN
	ROS	REVERSE OSMOSIS SUPPLY
	ROR	REVERSE OSMOSIS RETURN
	MU	MAKE-UP WATER
	NPW	NON-POTABLE WATER
	V	VENT
	DIS	DEIONIZED WATER SUPPLY
	DIR	DEIONIZED WATER RETURN
	SAN	SANITARY SEWER
	GW	GREASE WASTE
	RD	STORM/ROOF DRAIN
	ORD	OVERFLOW ROOF DRAIN
	LPG	LIQUEFIED PETROLEUM GAS
	G	NATURAL GAS-LOW PRESSURE
	NGM	NATURAL GAS-MEDIUM PRESSURE
	NGH	NATURAL GAS-HIGH PRESSURE
	IRR	IRRIGATION
	SCW	SOFT COLD WATER
	SHW	SOFT HOT WATER
	TWR	TEMPERED WATER RETURN (TEMP F)
	TW	TEMPERED WATER (TEMP F)
	PD	PUMPED DISCHARGE LINE
	ICW	INDUSTRIAL COLD WATER
	IHW	INDUSTRIAL HOT WATER
	HWR	INDUSTRIAL HOT WATER RETURN
	INW	INDUSTRIAL WASTE
	IA	INSTRUMENT COMPRESSED AIR
	IW	INDIRECT WASTE
	LA	LAB COMPRESSED AIR

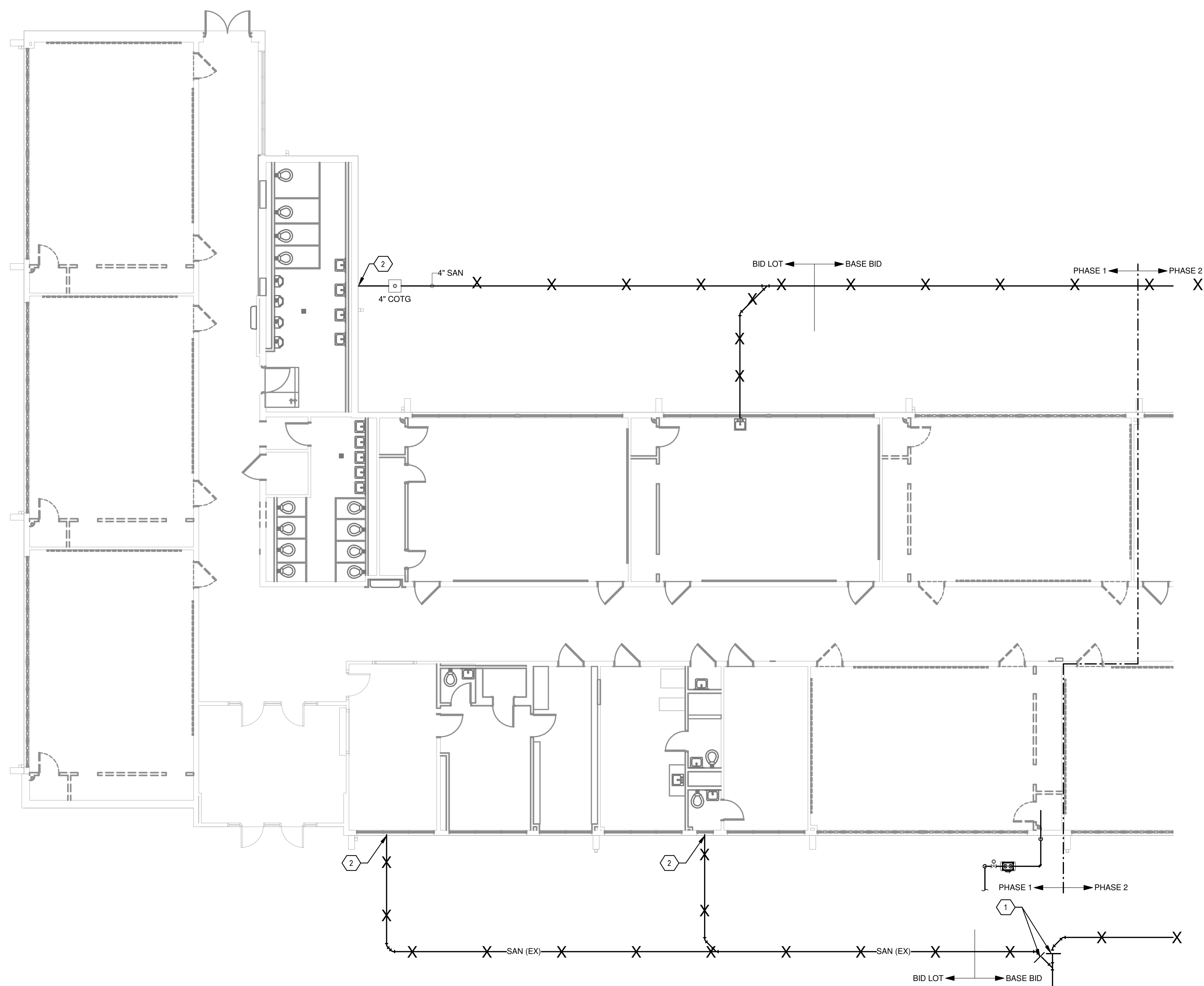
SCHEMATIC SYMBOLS

SYMBOL	ABBREVIATION	DESCRIPTION
	KEYED NOTE	
	POINT OF CONNECTION TO EXISTING	
	EXISTING PIPE TO BE REMOVED	
	NEW PIPING	
	EXISTING PIPING TO REMAIN	
	NEW PIPE CONNECTION TO EXISTING PIPING	
	SLOPE OF PIPE	
	DIRECTION OF FLOW	
	DROP IN PIPE	
	RISE IN PIPE	
	TOP CONNECTION, 45° OR 90°	
	BOTTOM CONNECTION, 45° OR 90°	
	CAPPED OUTLET	
	SIDE CONNECTION	
	UNION	
	FLANGED UNION	
	ORIFICE UNION	
	REDUCER OR INCREASER	
	ECCENTRIC REDUCER	
	PIPE GUIDE	
	FLEXIBLE CONNECTION	
	UNIVERSAL TEMPERATURE-PRESSURE FITTING (PETE'S PLUG)	
	STRAINER WITH BLOWDOWN VALVE & HOSE BIBB	
	THERMOMETER	
	PRESSURE GAUGE AND GAUGE COCK	
	AQUASTAT	
	WATER HAMMER ARRESTOR	
	TEST PLUG (PRESS/TEMP)	
	PENETRATION	
	MAV	MANUAL AIR VENT (MAV)
	AAV	AUTOMATIC AIR VENT (AAV)
	FS/FD/VAD	FLOOR SINK, FLOOR DRAIN, AREA DRAIN
	FCO/COTG	FLOOR CLEANOUT/CLEANOUT TO GRADE
	DCOTG	TWO WAY OR DOUBLE CLEANOUT TO GRADE
	RD/OD/DD	ROOF DRAIN/OVERFLOW DRAIN/DECK DRAIN
	TP	TRAP PRIMER WITH ACCESS PANEL
	VTR	VENT THROUGH ROOF
	AG	AIR GAP FITTING
	(WH) (HB)	WALL HYDRANT, HOSE BIBB

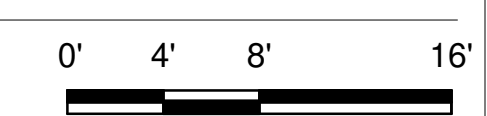


Portales Brown Early Childhood Center, Project #S20-008, PSFCC FUNDED

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**A4 PLUMBING DEMOLITION FLOOR PLAN - AREA A**  
SCALE: 1/8" = 1'-0"



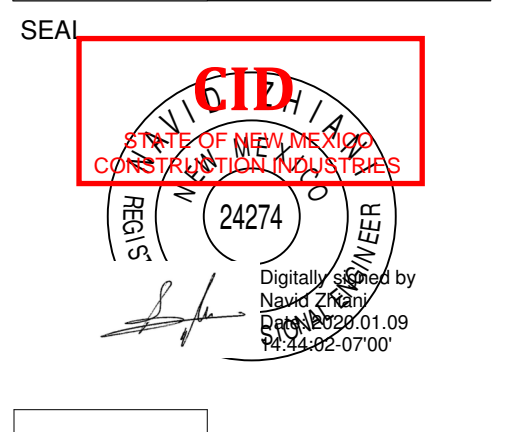
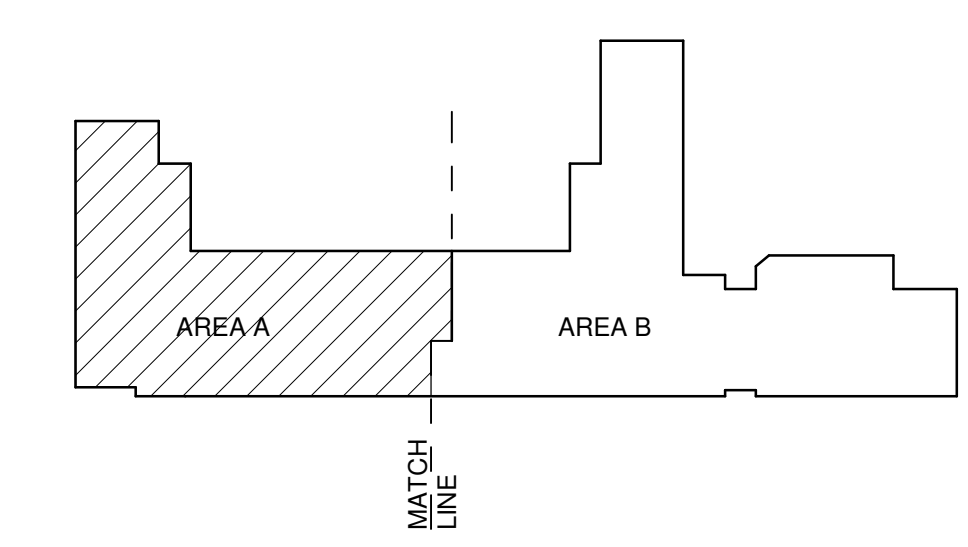
**GENERAL SHEET NOTES**

- A. INFORMATION REGARDING THE EXISTING CONDITIONS WAS GATHERED FROM THE AVAILABLE EXISTING DRAWINGS, SURVEY AND CORRESPONDENCE WITH UTILITY, STAFF AND MUNICIPAL PERSONAL. THERE ARE NO GUARANTEE AS TO THE ACCURACY OF THIS INFORMATION AND IS OFFERED FOR INFORMATION ONLY. THE CONTRACTOR SHOULD VISIT THE SITE PRIOR TO SUBMITTAL OF BID.
- B. VERIFY EXISTING LOCATIONS OF EQUIPMENT, PIPING AND SYSTEM COMPONENTS PRIOR TO DEMOLITION. IF EXISTING CONDITIONS ARE DIFFERENT THAN WHAT IS INDICATED ON THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
- C. MINIMIZE DISTURBANCE AND/OR DAMAGE TO EXISTING FINISHED SURFACES AND FINISHES. WHERE DEMOLITION OF EXISTING PLUMBING SYSTEM COMPONENTS DAMAGES EXISTING SURFACES THAT ARE TO REMAIN, RESTORE THOSE SURFACES TO THE SAME CONDITION AS THE ADJACENT SURFACES. RESTORATION MUST BE PERFORMED BY WORKMAN SKILLED IN PERFORMING SUCH WORK. ALL FIRE AND SMOKE RATINGS SHALL BE RETAINED AS PART OF THE REPAIRS AND PATCH/SEAL HOLES WEATHERTIGHT WHERE REQUIRED. ALL PATCHES AND REPAIRS SHALL BE SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT.
- D. ALL AREAS OF EGRESS SHALL BE KEPT OPEN AND FREE FROM DEBRIS AT ALL TIMES.
- E. DO NOT REMOVE ITEMS SUPPORTING OTHER ITEMS WITHOUT PROVIDING OTHER TEMPORARY OR PERMANENT SUPPORT AS REQUIRED. SEE DRAWINGS FOR AREAS AND EXTENT OF DEMOLITION. PROPERLY SUPPORT ALL EXISTING ITEMS TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING REQUIRED SUPPORTS FOR AFFECTED ITEMS.
- F. VERIFY EXTENT OF PIPING, EQUIPMENT, COMPONENTS AND CONTROLS TO BE RETAINED OR REUSED PRIOR TO THE DEMOLITION OF SPECIFIC SYSTEM. PROTECT ITEMS WHICH ARE TO BE REUSED ON SITE TO MINIMIZE POST CONSTRUCTION REPAIRS. ANY ITEMS THAT ARE DAMAGED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE CONTRACT.
- G. VERIFY ALL EXISTING STRUCTURAL CONDITIONS AND NOTIFY STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO PENETRATING EXISTING BUILDING STRUCTURAL SYSTEMS.
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**KEYNOTES**

- 1. REMOVE PIPING UP TO THIS POINT.
- 2. REMOVE ALL PIPING DOWNSTREAM OF THIS POINT.

**KEYPLAN**



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

REVISIONS

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DRAWN BY	PCN
REVIEWED BY	SDS
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

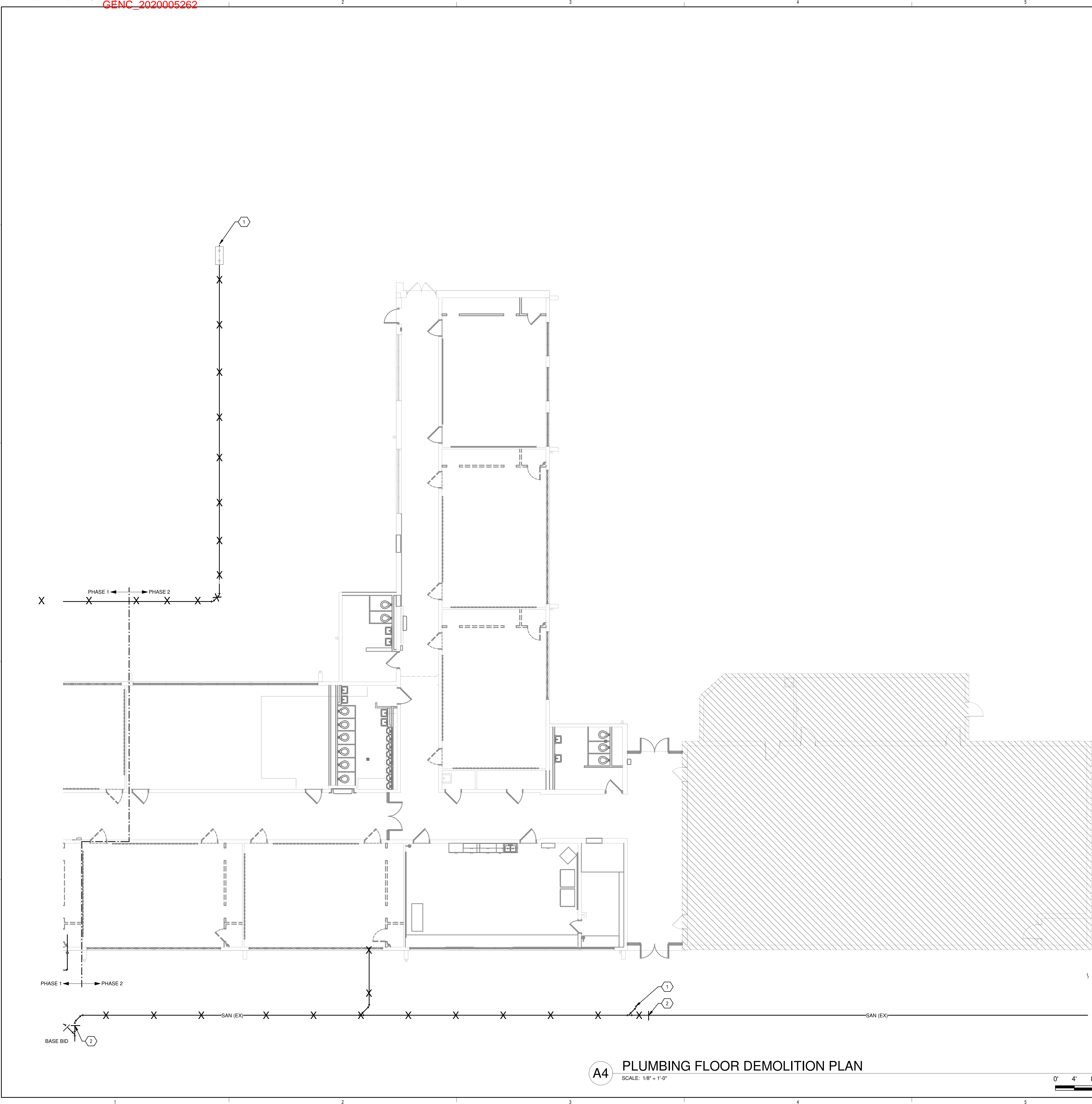
**PLUMBING DEMOLITION FLOOR PLAN - AREA A**

SHEET NO **PD100A**

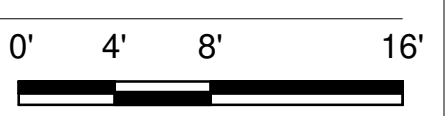


Portales Brown Early Childhood Center, Project #S20-008, PSOC FUNDED

Bridges & Paxton Project No: 8022 1/9/2020 8:47:12 AM D:\Revit\2019\Projects\MEP\_PMS Brown ECC\_8022\_madocant@bpa.com.rvt



**A4 PLUMBING FLOOR DEMOLITION PLAN**  
SCALE: 1/8" = 1'-0"



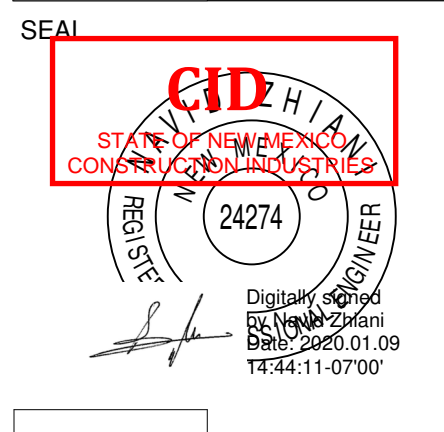
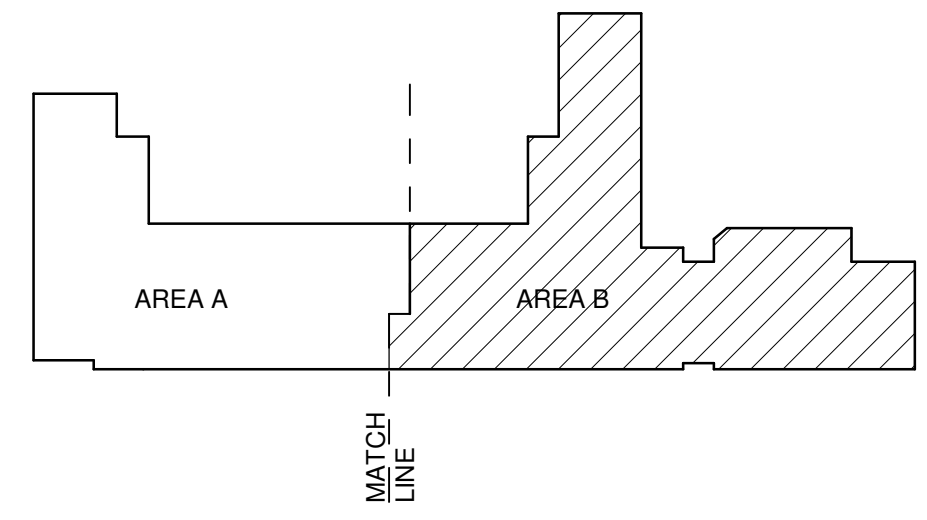
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**KEYNOTES**

- 1. REMOVE PIPING UP TO THIS POINT
- 2. REMOVE PIPING BETWEEN THESE APPROXIMATE POINTS

**KEYPLAN**



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

REVISIONS


DRAWN BY	PCN
REVIEWED BY	SDS
DATE	12/10/2019
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PSFA PRE-K PROJECT NO:	K-18-011
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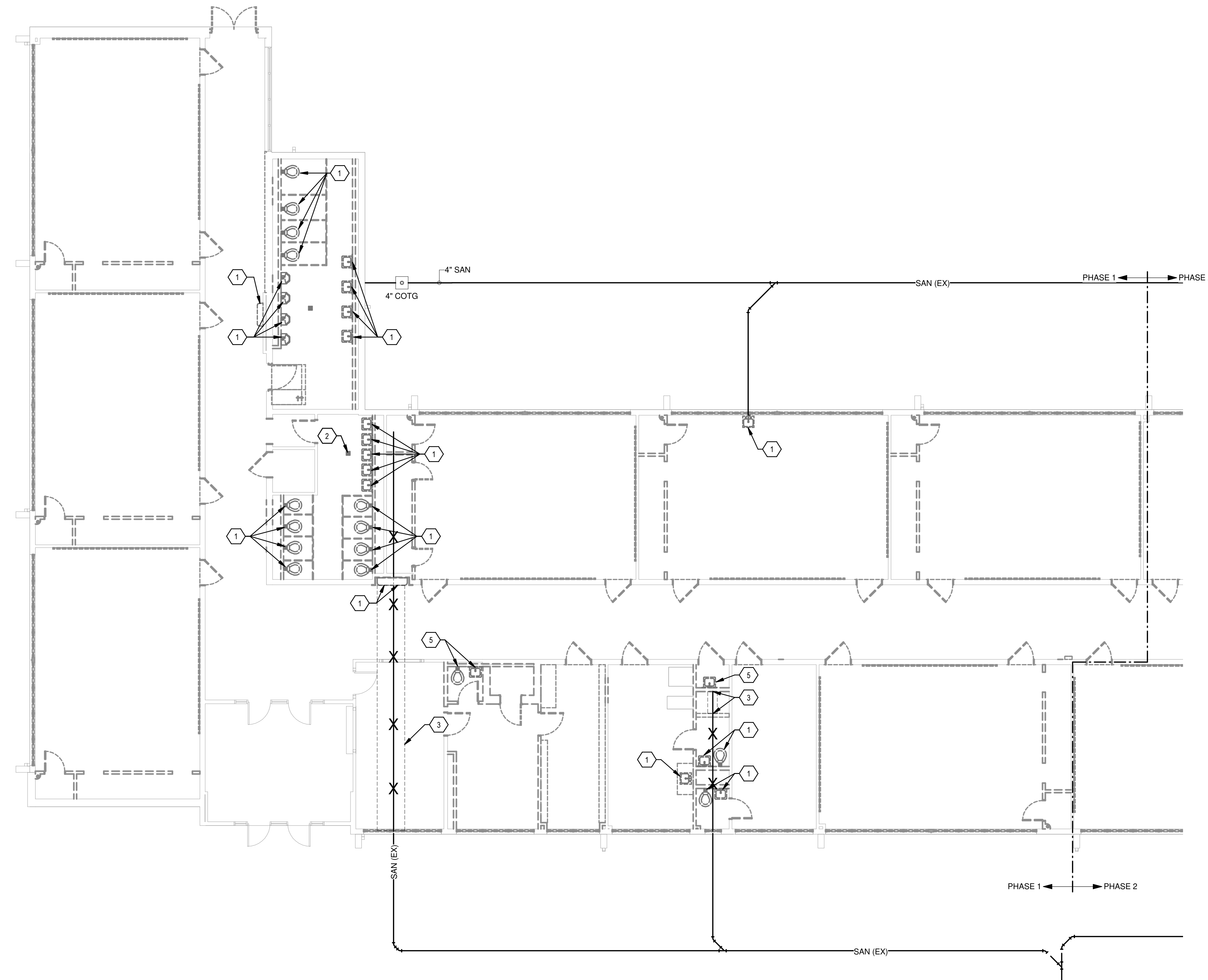
**PLUMBING DEMOLITION FLOOR PLAN - AREA B**

SHEET NO **PD100B**



Portales Brown Early Childhood Center, Project #S20-008, PSFCC FUNDED

Bridges & Paxton Project No: 8022 1/9/2020 9:47:17 AM D:\Revit\2019\Projects\MEP\_PMS Brown ECC\_8022\_madocant@bpa.com.rvt



**A4 PLUMBING FIRST FLOOR DEMOLITION PLAN - AREA A - BID LOT #1**  
SCALE: 1/8" = 1'-0"

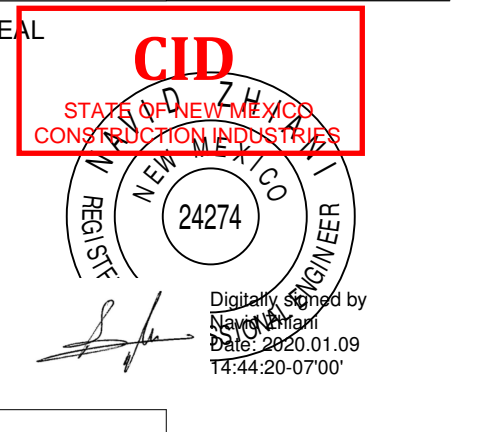
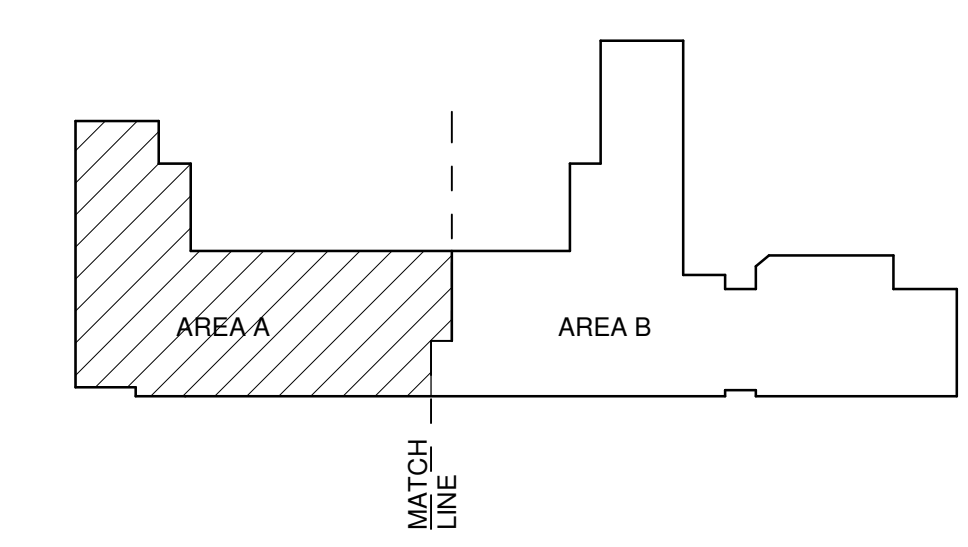
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**KEYNOTES**

- 1. REMOVE EXISTING PLUMBING FIXTURE & TRIM COMPLETE. REMOVE ALL SUSPENDED & BURIED WATER, WASTE, AND VENT PIPING ASSOCIATED WITH FIXTURES.
- 2. REMOVE EXISTING FLOOR DRAIN & ASSOCIATED DWV PIPING COMPLETE.
- 3. ABANDON IN PLACE. DO NOT SAW CUT SLAB.
- 4. CAP BELOW SLAB AND ABANDON IN PLACE. PATCH FLOOR AS REQUIRED.

**KEYPLAN**



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

REVISIONS

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DRAWN BY	Author
REVIEWED BY	Checker
DATE	12/10/2019
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PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

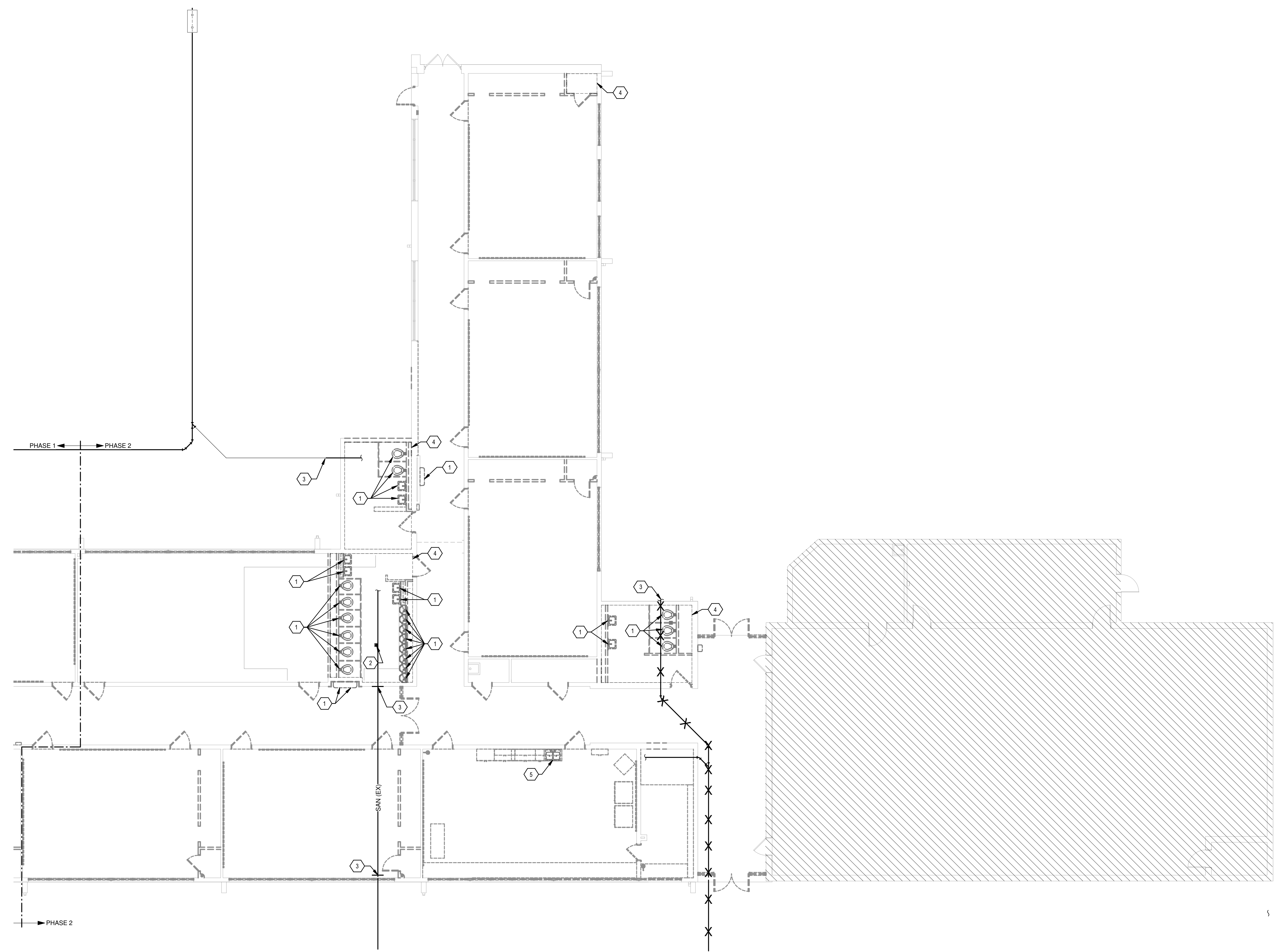
**PLUMBING DEMOLITION FLOOR PLAN - AREA A - BID LOT #1**

SHEET NO **PD101A**

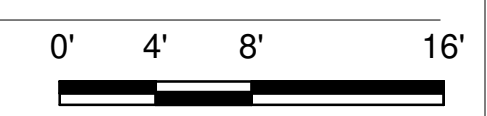


Portales Brown Early Childhood Center, Project #S20-008, PSFCC FUNDED

Bridges & Paxton Project No: 8022 1/9/2020 9:47:21 AM D:\Revit\2019\Projects\MEP\_PMS Brown ECC\_8022\_madocant@bpa.com.rvt



**A4** PLUMBING FIRST FLOOR DEMOLITION PLAN - AREA B - BID LOT #1  
SCALE: 1/8" = 1'-0"



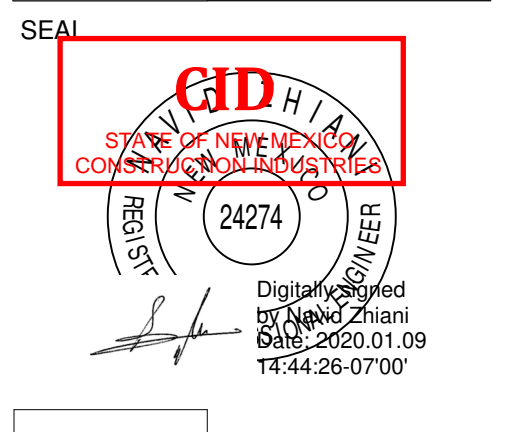
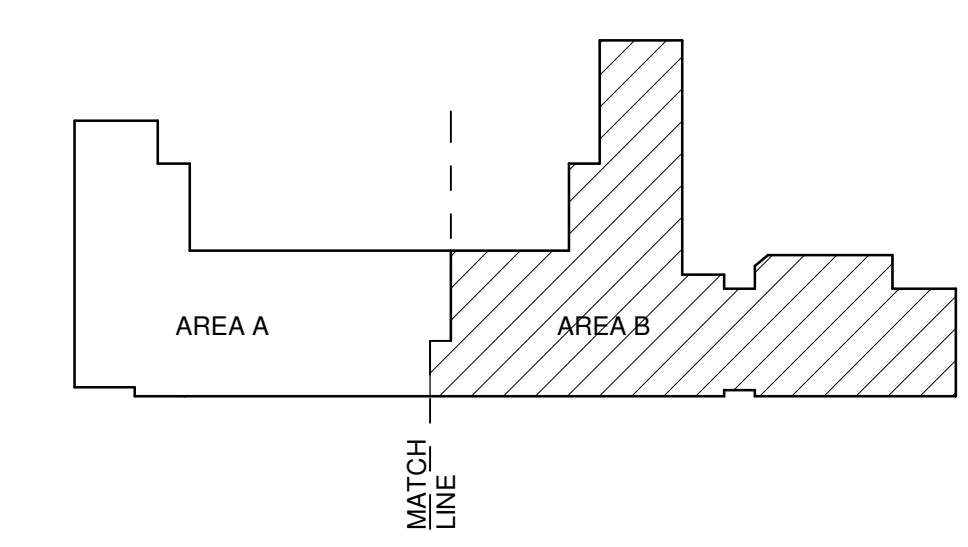
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**KEYNOTES**

- 1. REMOVE EXISTING PLUMBING FIXTURE & TRIM COMPLETE. REMOVE ALL SUSPENDED & BURIED WATER, WASTE, AND VENT PIPING ASSOCIATED WITH FIXTURES.
- 2. REMOVE EXISTING FLOOR DRAIN & ASSOCIATED DWV PIPING COMPLETE.
- 3. ABANDON IN PLACE. DO NOT SAW CUT SLAB.
- 4. SLAB CUT - BID LOT #1.
- 5. REMOVE PLUMBING FIXTURE. ASSOCIATED PIPING WITHIN WALL TO REMAIN.

**KEYPLAN**



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

REVISIONS


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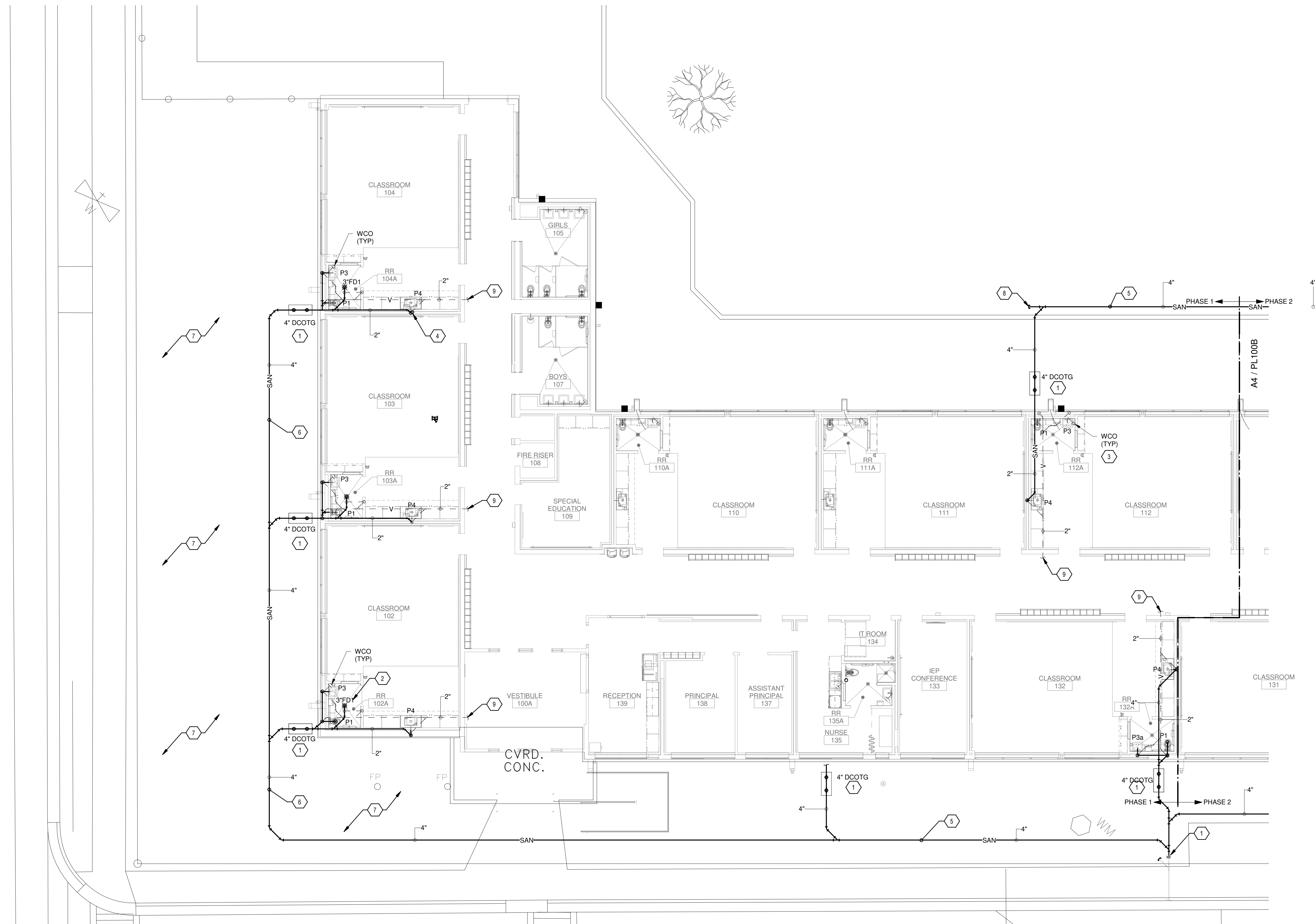
**PLUMBING  
DEMOLITION  
FLOOR PLAN -  
AREA B - BID LOT  
#1**

SHEET NO  
**PD101B**



Portales Brown Early Childhood Center, Project #S20-008, FSCOC FUNDED

Bridges & Paxton Project No. 8022 1/9/2020 9:47:35 AM D:\Revit\2019\Projects\MEP\_PMS Brown ECC\_8022\_mduquenne@bpa.com.rvt



**A4 WASTE & VENT FLOOR PLAN - AREA A**  
SCALE: 1/8" = 1'-0"  
0' 4' 8' 16'

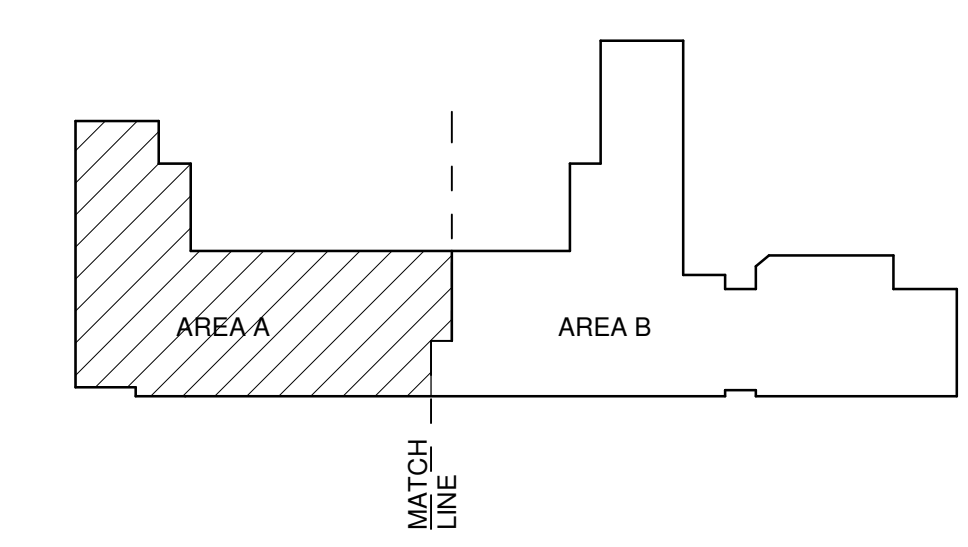
**GENERAL SHEET NOTES**

- A. FINISHED FLOOR ELEVATION = 100'-0" UNLESS OTHERWISE INDICATED.
- B. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING AND PERFORM A FIELD SURVEY TO CONFIRM LOCATION AND SIZES OF EXISTING PLUMBING SERVICES.
- C. THE CONTRACTOR MAY SUBMIT HIS BID BASED ON AN ALTERNATE PIPING LAYOUT, PROVIDING IT COMPLIES WITH FOLLOWING:
  - 1. FIELD SURVEY HAS BEEN COMPLETED AND PROPOSED PLUMBING LAYOUT WON'T CONFLICT WITH EXISTING EQUIPMENT WILL NOT DISRUPT PRESENTLY OCCUPIED AREAS.
  - 2. CONTRACTOR HAS REVIEWED ALL PLANS FOR COORDINATING WITH HVAC, FIRE PROTECTION, ARCHITECTURAL, AND ELECTRICAL TRADES TO AVOID CONFLICTS.
  - 3. NEW PIPING SHALL NOT CONNECT TO EXISTING SERVICES OF LESSER SIZE.
  - 4. INSTALLATION COMPLES WITH STATE AND LOCAL CODES.
- D. PIPING LOCATIONS HAVE BEEN SHOWN FOR CLARITY AND DO NOT NECESSARILY REFLECT THE EXACT LOCATION OF PIPE. COORDINATE ROUTING WITH ALL OTHER TRADES BEFORE INSTALLATION OR MAKEUP OF PIPE. PROVIDE COORDINATION DRAWINGS PER SPECIFICATIONS.
- E. COORDINATE ALL PLUMBING PIPING WITH ALL OTHER TRADES AND PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS AND TO MAINTAIN REQUIRED EQUIPMENT ACCESS AND SERVICEABILITY.
- F. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL FIRE RATED AND OR SMOKE RATED WALLS AND ASSEMBLIES. PIPING PENETRATIONS OF FIRE AND SMOKE RATED WALLS AND LISTED ASSEMBLIES SHALL BE CALLED AIRTIGHT TO THE ADJACENT STRUCTURE BY MEANS OF U.L. LISTED FIRE PROOF CAULKING MATERIAL.
- G. UNDERGROUND STORM AND SANITARY PIPING SHOWN ON DRAWINGS RUNNING IN THE CORRIDORS SHALL BE INSTALLED IN THE MIDDLE OF THE CORRIDOR WHERE POSSIBLE. CONTRACTOR SHALL NOT UNDERMINE FOOTINGS.
- H. ALL MATERIALS SHALL BE DISPOSED OF IN A PROPER MANNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP OF WORKSITE OF ANY MATERIAL THAT IS OF THEIR TRADE.
- I. ALL PENETRATIONS THROUGH EXISTING DRYWALL OR SOLID SURFACES SHALL BE PROVIDED WITH ESCUTCHEONS IF EXPOSED. PENETRATIONS SHALL BE PATCHED TO MATCH SURROUNDING SURFACES.
- J. REFER TO ARCHITECTURAL FLOOR PLANS FOR EXACT LOCATION AND HEIGHTS OF ALL PLUMBING FIXTURES BEFORE ROUGH-IN OR INSTALLATION OF PIPE. PLUMBING FIXTURES SHALL BE MOUNTED AT HEIGHTS SHOWN ON ARCHITECTURAL ELEVATION DRAWINGS.
- K. ALL PIPING IN FINISHED ROOMS SHALL BE CONCEALED IN FURRED CHASES UNLESS OTHERWISE NOTED ON THIS DRAWING.
- L. PROVIDE HINGED ACCESS DOORS FOR VALVES, WATER HAMMER ARRESTERS, ISOLATION BALL VALVES LOCATED IN NONACCESSIBLE CEILINGS AND CHASES. DOORS FURNISHED PER ARCHITECTURAL SPECIFICATIONS AND PURCHASED AND INSTALLED PER DIVISION 22 ACCESS DOOR RATING SHALL MATCH THE CLASSIFICATION OF WALLS AND CEILING FIRE RATING. COORDINATE COLOR AND TYPE OF ACCESS DOOR WITH ARCHITECTURAL PRIOR TO PERFORMING WORK.
- M. SANITARY SEWER PIPING SHALL BE C1 NO-HUB UNLESS NOTED OTHERWISE. INSTALL PER UPC CODE.
- N. DOMESTIC HOT AND COLD WATER PIPING SHALL BE TYPE K OR L COPPER WITH 95-5 SOLDER JOINTS. ALL WATER PIPING SHALL BE INSULATED PER SPECIFICATIONS.
- O. ALL PIPING SHALL BE TESTED PER 2015 UPC AND PER SPECIFICATIONS.
- P. REFER TO DRAWING P-701 FOR PLUMBING ROUGH IN REQUIREMENTS.
- Q. AT CONTRACTORS OPTION THEY CAN REUSE EXISTING VTR LOCATION. VENT PIPING SHALL BE APPROPRIATELY SIZE PER CODE.

**KEYNOTES**

- 1. INSTALL DOUBLE CLEANOUT TO GRADE IN ACCORDANCE WITH DETAIL D3P-501.
- 2. INSTALL FLOOR DRAIN IN ACCORDANCE WITH DETAIL C1P-501.
- 3. INSTALL WALL CLEANOUT IN ACCORDANCE WITH DETAIL C5P-501.
- 4. TERMINATE CONDENSATE DRAIN LINE DIRECTLY INTO SINK TAIL PIECE. REFER TO A1V-P-501.
- 5. INSTALL NEW PIPING IN EXISTING TRENCH.
- 6. ROUTE PIPING TO AVOID TREE PROTECTION ZONE AREA.
- 7. TREE PROTECTION ZONE. REFER TO ARCHITECT AND COORDINATE SANITARY PIPE ROUTING.
- 8. SEE PL101A FOR EXTENSION TO BID LOT.
- 9. REFER TO GENERAL NOTE Q FOR VENT. FIELD VERIFY EXISTING VENT PIPE LINE AND VTR. MATCH ADEQUATE PIPE LINE SIZE.

**KEYPLAN**



**FORMATIVE**  
architecture

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100 GOLD AVENUE, SW  
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**BRIDGES & PAXTON**  
MECHANICAL ENGINEERS  
4602 E. Management Blvd., NE  
Albuquerque, NM 87110  
505.883.4111 www.bpa.com

SEAL  
CID  
STATE OF NEW MEXICO  
CONSTRUCTION INDUSTRIES DIVISION  
24274  
REGISTERED PROFESSIONAL ENGINEER  
EXPIRES 12/31/2024  
Digital Signature  
02/19/2020 01:09  
14 64 49 0707

PROJECT  
**PUBLIC SCHOOL FACILITIES AUTHORITY**  
APPROVED  
William Sprick  
Quality Specialist

**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

REVISIONS

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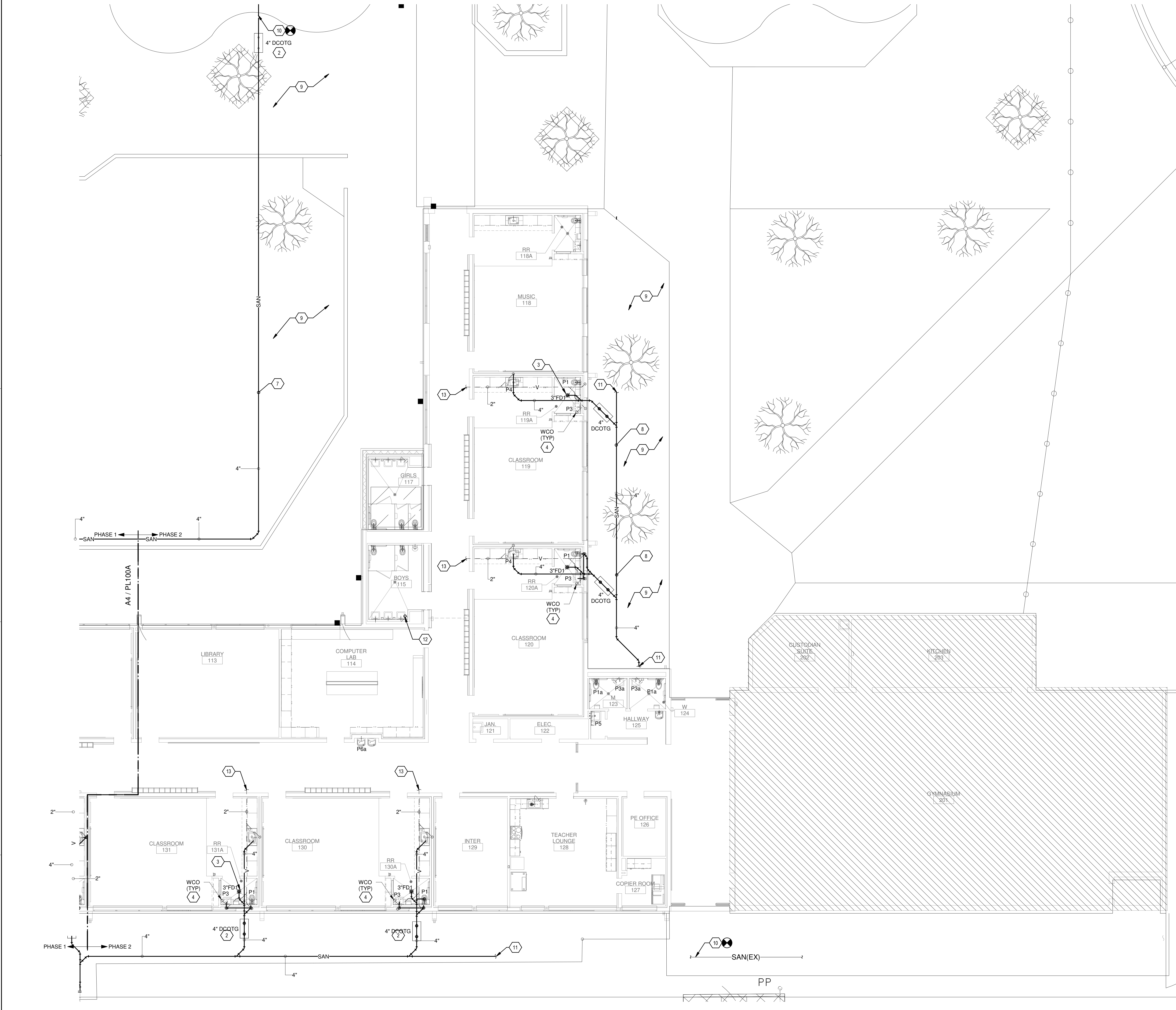
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REVIEWED BY	SDS
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

**WASTE & VENT FLOOR PLAN - AREA A**

SHEET NO  
**PL100A**



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Bridges & Paxton Project No: 8022



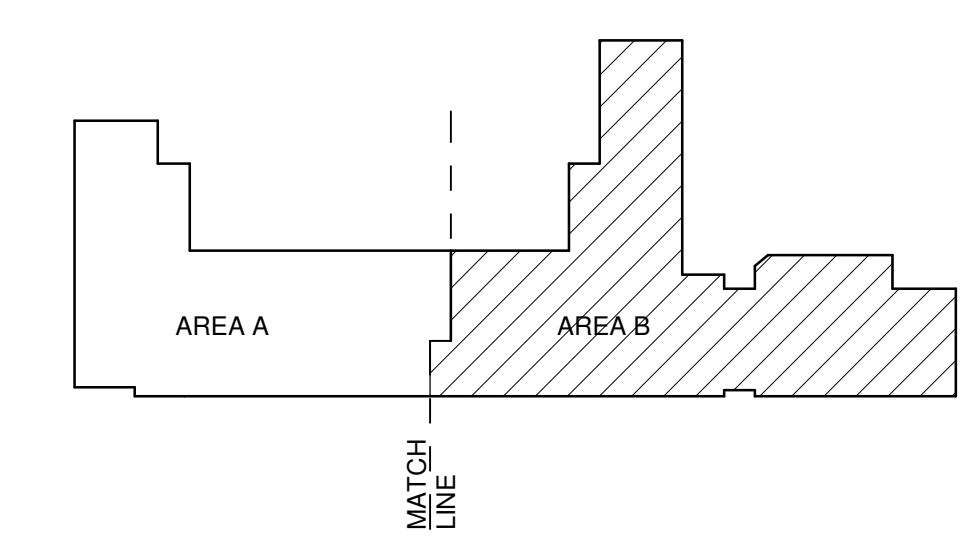
GENERAL SHEET NOTES

- A. FINISHED FLOOR ELEVATION = 100'-0" UNLESS OTHERWISE INDICATED.
- B. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING AND PERFORM A FIELD SURVEY TO CONFIRM LOCATION AND SIZES OF EXISTING PLUMBING SERVICES.
- C. THE CONTRACTOR MAY SUBMIT HIS BID BASED ON AN ALTERNATE PIPING LAYOUT, PROVIDING IT COMPLIES WITH FOLLOWING:
  - 1. FIELD SURVEY HAS BEEN COMPLETED AND PROPOSED PLUMBING LAYOUT WON'T CONFLICT WITH EXISTING EQUIPMENT WILL NOT DISRUPT PRESENTLY OCCUPIED AREAS.
  - 2. CONTRACTOR HAS REVIEWED ALL PLANS FOR COORDINATING WITH HVAC, FIRE PROTECTION, ARCHITECTURAL, AND ELECTRICAL TRADES TO AVOID CONFLICTS.
  - 3. NEW PIPING SHALL NOT CONNECT TO EXISTING SERVICES OF LESSER SIZE.
  - 4. INSTALLATION COMPLES WITH STATE AND LOCAL CODES.
- D. PIPING LOCATIONS HAVE BEEN SHOWN FOR CLARITY AND DO NOT NECESSARILY REFLECT THE EXACT LOCATION OF PIPE. COORDINATE ROUTING WITH ALL OTHER TRADES BEFORE INSTALLATION OR MAKEUP OF PIPE. PROVIDE COORDINATION DRAWINGS PER SPECIFICATIONS.
- E. COORDINATE ALL PLUMBING PIPING WITH ALL OTHER TRADES AND PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS AND TO MAINTAIN REQUIRED EQUIPMENT ACCESS AND SERVICEABILITY.
- F. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL FIRE RATED AND OR SMOKE RATED WALLS AND ASSEMBLIES. PIPING PENETRATIONS OF FIRE AND SMOKE RATED WALLS AND LISTED ASSEMBLIES SHALL BE CALLED AIR/TIGHT TO THE ADJACENT STRUCTURE BY MEANS OF U.L. LISTED FIRE PROOF CAULKING MATERIAL.
- G. UNDERGROUND STORM AND SANITARY PIPING SHOWN ON DRAWINGS RUNNING IN THE CORRIDORS SHALL BE INSTALLED IN THE MIDDLE OF THE CORRIDOR WHERE POSSIBLE. CONTRACTOR SHALL NOT UNDERMINE FOOTINGS.
- H. ALL MATERIALS SHALL BE DISPOSED OF IN A PROPER MANNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP OF WORKSITE OF ANY MATERIAL THAT IS OF THEIR TRADE.
- I. ALL PENETRATIONS THROUGH EXISTING DRYWALL OR SOLID SURFACES SHALL BE PROVIDED WITH ESCUTCHEONS IF EXPOSED. PENETRATIONS SHALL BE PATCHED TO MATCH SURROUNDING SURFACES.
- J. REFER TO ARCHITECTURAL FLOOR PLANS FOR EXACT LOCATION AND HEIGHTS OF ALL PLUMBING FIXTURES BEFORE ROUGH-IN OR INSTALLATION OF PIPE. PLUMBING FIXTURES SHALL BE MOUNTED AT HEIGHTS SHOWN ON ARCHITECTURAL ELEVATION DRAWINGS.
- K. ALL PIPING IN FINISHED ROOMS SHALL BE CONCEALED IN FURRED CHASES UNLESS OTHERWISE NOTED ON THIS DRAWING.
- L. PROVIDE HINGED ACCESS DOORS FOR VALVES, WATER HAMMER ARRESTERS, ISOLATION BALL VALVES LOCATED IN NONACCESSIBLE CEILINGS AND CHASES. DOORS FURNISHED PER ARCHITECTURAL SPECIFICATIONS AND PURCHASED AND INSTALLED PER DIVISION 22 ACCESS DOOR RATING SHALL MATCH THE CLASSIFICATION OF WALLS AND CEILING FIRE RATING. COORDINATE COLOR AND TYPE OF ACCESS DOOR WITH ARCHITECTURAL PRIOR TO PERFORMING WORK.
- M. SANITARY SEWER PIPING SHALL BE C1 NO-HUB UNLESS NOTED OTHERWISE. INSTALL PER UPC CODE.
- N. DOMESTIC HOT AND COLD WATER PIPING SHALL BE TYPE K OR L COPPER WITH 95-5 SOLDER JOINTS. ALL WATER PIPING SHALL BE INSULATED PER SPECIFICATIONS.
- O. ALL PIPING SHALL BE TESTED PER 2015 UPC AND PER SPECIFICATIONS.
- P. REFER TO DRAWING P-701 FOR PLUMBING ROUGH IN REQUIREMENTS.
- Q. AT CONTRACTORS OPTION THEY CAN REUSE EXISTING VTR LOCATION. VENT PIPING SHALL BE APPROPRIATELY SIZE PER CODE.

KEYNOTES

- 1. EXISTING TO REMAIN, NO PLUMBING SCOPE OF WORK IN THIS AREA.
- 2. INSTALL DOUBLE CLEANOUT TO GRADE IN ACCORDANCE WITH DETAIL D31P-501.
- 3. INSTALL FLOOR DRAIN IN ACCORDANCE WITH DETAIL C11P-501.
- 4. INSTALL WALL CLEANOUT IN ACCORDANCE WITH DETAIL C5P-501.
- 5. TERMINATE CONDENSATE DRAIN LINE INDIRECTLY INTO SERVICE SINK 2X PIPE DIA. ABOVE SINK RIM.
- 6. EXTEND NEW SANITARY SEWER PIPING FROM EXISTING POINT AS INDICATED.
- 7. INSTALL NEW PIPING IN EXISTING TRENCH.
- 8. ROUTE PIPING TO AVOID TREE PROTECTION ZONE AREA.
- 9. TREE PROTECTION ZONE. REFER TO ARCHITECT AND COORDINATE SANITARY PIPE ROUTING.
- 10. CONNECT NEW SANITARY PIPING INTO EXISTING SANITARY.
- 11. SEE P-1016 FOR EXTENSION TO BID LOT.
- 12. TERMINATE CONDENSATE DRAIN LINE DIRECTLY INTO SINK TAIL PIECE. REFER TO A11 P-501.
- 13. REFER TO GENERAL NOTE Q. FOR VENT. FIELD VERIFY EXISTING VENT PIPE LINE AND VTR. MATCH PIPE LINE SIZE.

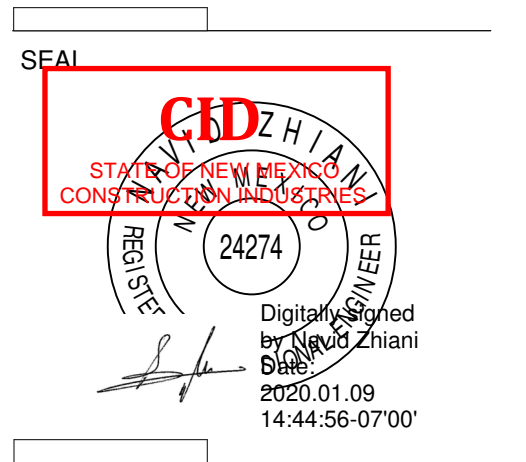
KEYPLAN



A4 WASTE & VENT FLOOR PLAN - AREA B  
SCALE: 1/8" = 1'-0"



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505.510.4000



PROJECT



Brown Early Childhood Center  
Old Wing Renovation  
520 W 5th St, Portales, NM 88130

CONSTRUCTION DOCUMENTS

REVISIONS

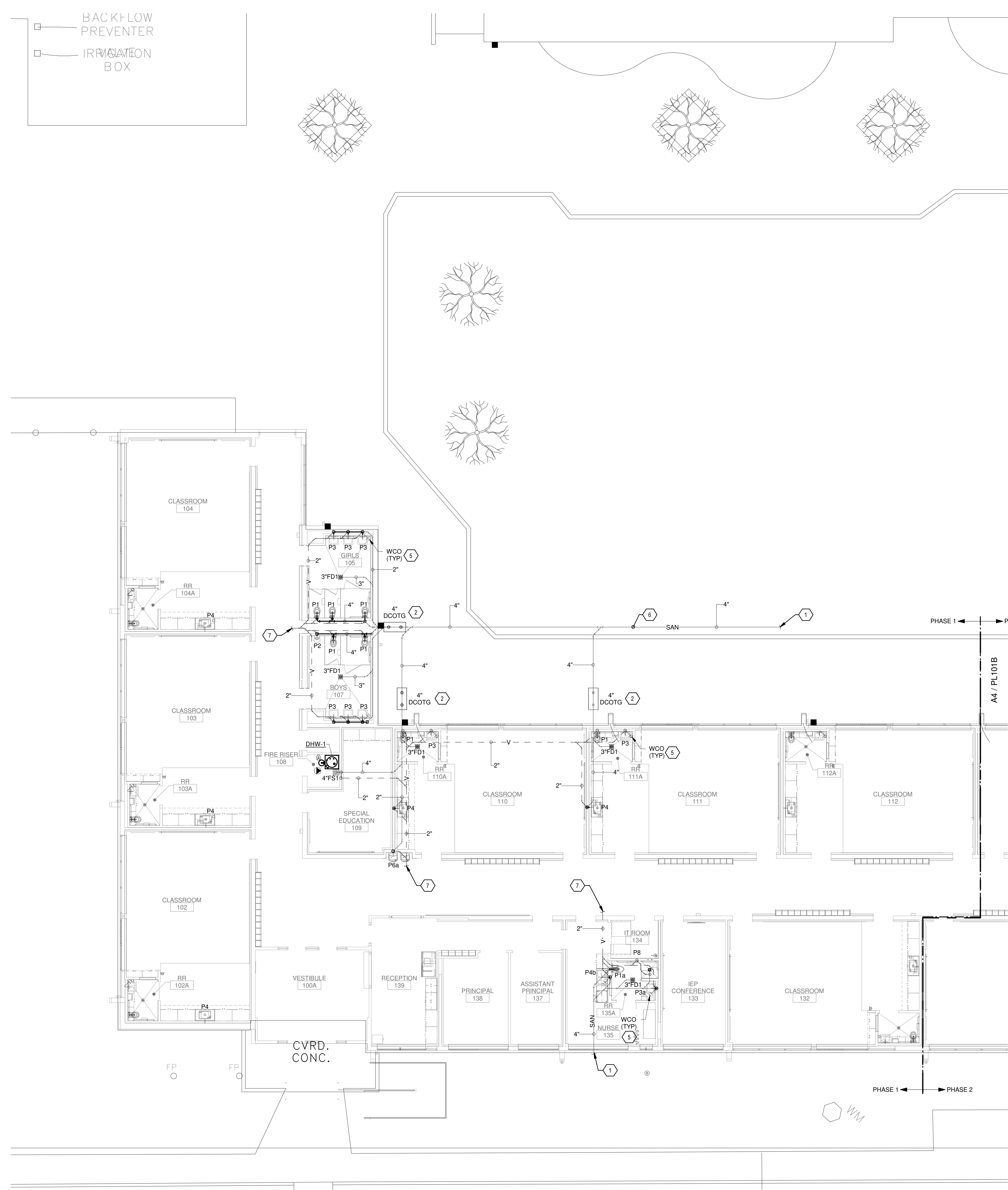

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DRAWING NAME	

WASTE & VENT FLOOR PLAN - AREA B

SHEET NO  
PL100B



Portales Brown Early Childhood Center, Project #S20-008, PSOC FUNDED



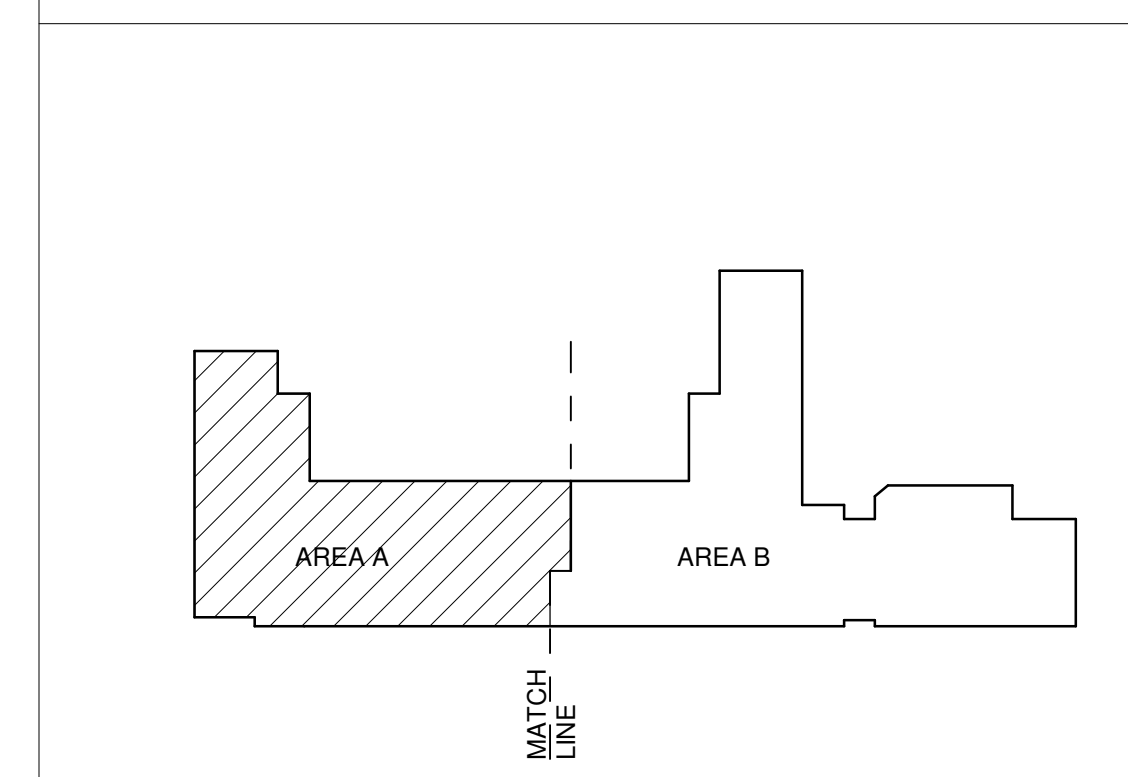
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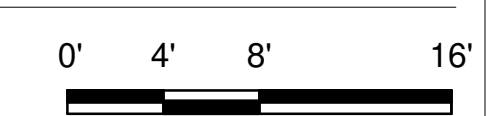
**KEYNOTES**

- 1. SEE PL100A FOR EXTENSION FROM BASE BID.
- 2. INSTALL DOUBLE CLEANOUT TO GRADE IN ACCORDANCE WITH DETAIL D3P-501.
- 3. INSTALL FLOOR DRAIN IN ACCORDANCE WITH DETAIL C1P-501.
- 4. INSTALL FLOOR SINK IN ACCORDANCE WITH DETAIL C2P-501.
- 5. INSTALL WALL CLEANOUT IN ACCORDANCE WITH DETAIL C5P-501.
- 6. INSTALL NEW PIPING IN EXISTING TRENCH.
- 7. REFER TO GENERAL NOTE Q FOR VENT. FIELD VERIFY EXISTING VENT PIPE LINE AND VTR. MATCH PIPE LINE SIZE.

**KEYPLAN**



**A4 WASTE & VENT FIRST FLOOR PLAN - AREA A - BID LOT #1**  
SCALE: 1/8" = 1'-0"



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Albuquerque, NM 87110  
505.883.4111 www.bpsa.com

SEAL

PROJECT

**PUBLIC SCHOOL**  
**FACILITIES AUTHORITY**  
APPROVED  
William Sprick  
Professional Engineer  
License No. 24274

**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

REVISIONS


DRAWN BY	MAD
REVIEWED BY	SDS
DATE	12/10/2019
PROJECT NO	18-0032
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DRAWING NAME	

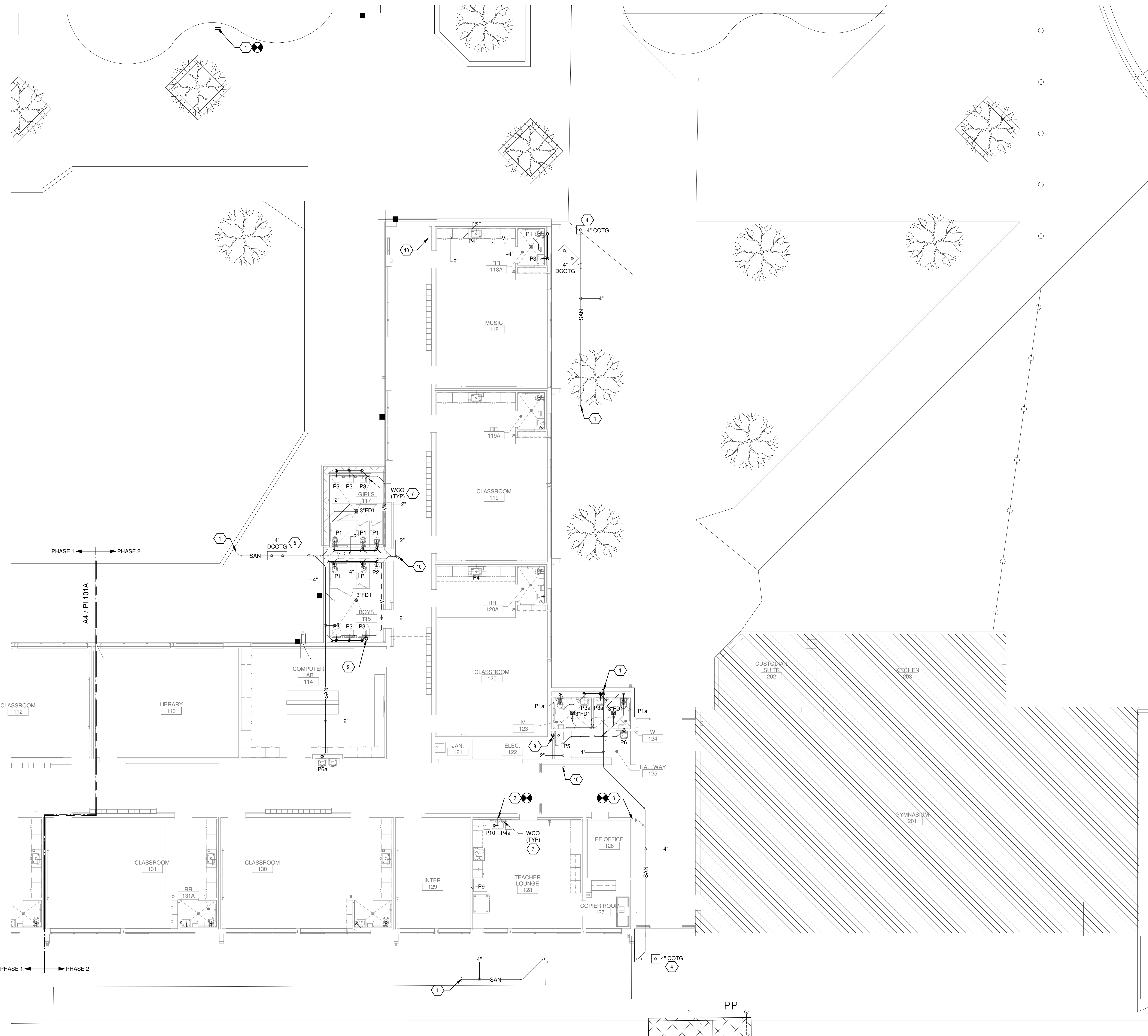
**WASTE & VENT  
FLOOR PLAN -  
AREA A - BID LOT  
#1**

SHEET NO  
**PL101A**

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Portales Brown Early Childhood Center, Project #S20-008, FSCOC FUNDED



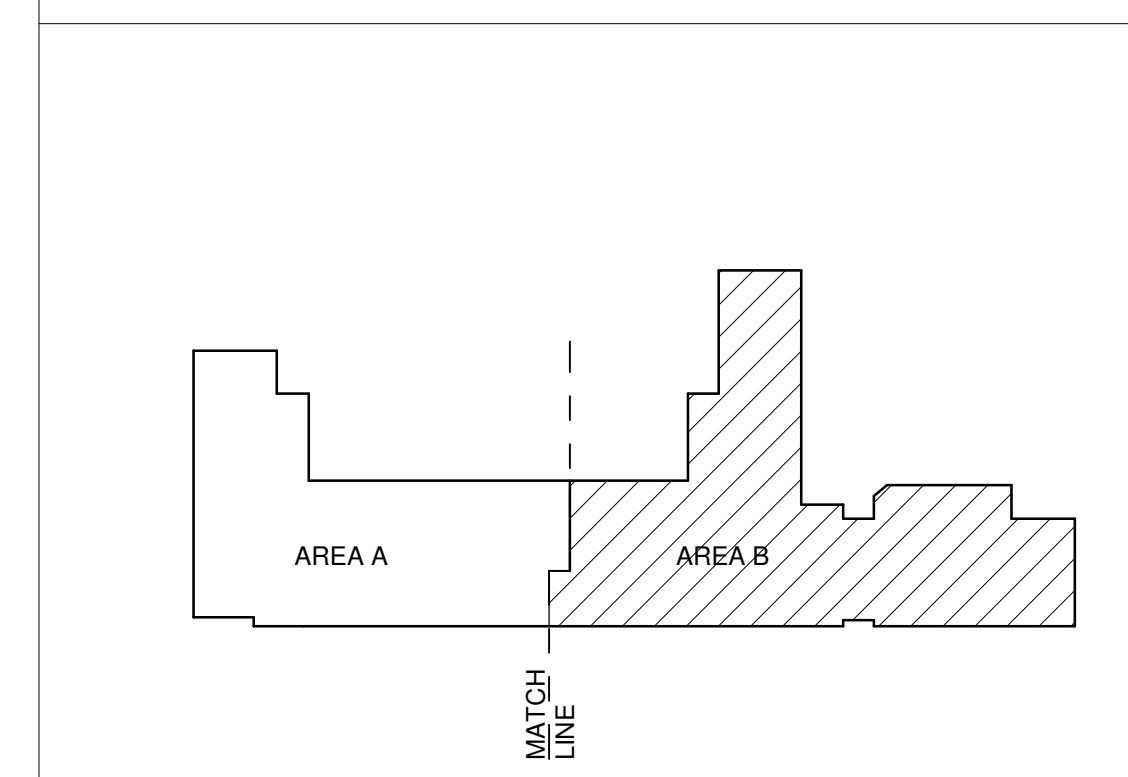
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- Q. AT CONTRACTORS OPTION THEY CAN REUSE EXISTING VTR LOCATION. VENT PIPING SHALL BE APPROPRIATELY SIZE PER CODE.

**KEYNOTES**

1. SEE PL100A FOR EXTENSION FROM BASE BID.
2. REUSE EXISTING PIPING WITHIN WALL. ROUTE NEW PIPING THROUGH WALL FURRING TO MAKE CONNECTION AT NEW SINK LOCATION. CONNECT NEW VENT PIPING TO EXISTING VENT PIPING WITH WALL.
3. CONNECT EXISTING PIPING FROM EXISTING TEACHERS LOUNGE TO NEW SANITARY PIPING.
4. INSTALL CLEANOUT TO GRADE IN ACCORDANCE WITH DETAIL D3P-501.
5. INSTALL DOUBLE CLEANOUT TO GRADE IN ACCORDANCE WITH DETAIL D3P-501.
6. INSTALL FLOOR DRAIN IN ACCORDANCE WITH DETAIL C1P-501.
7. INSTALL WALL CLEANOUT IN ACCORDANCE WITH DETAIL C5P-501.
8. TERMINATE CONDENSATE DRAIN LINE INDIRECTLY INTO SERVICE.
9. SINK 2X PIPE DIA. ABOVE SINK RIM.
10. TERMINATE CONDENSATE DRAIN LINE DIRECTLY INTO SINK TAIL PIECE. REFER TO A11 P-501.
11. REFER TO GENERAL NOTE Q FOR VENT. FIELD VERIFY EXISTING VENT PIPE LINE AND VTR. MATCH PIPE LINE SIZE.

**KEYPLAN**



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Albuquerque, NM 87110  
505.883.4111 www.btpsa.com

SEAL

STATE OF NEW MEXICO  
CONSTRUCTION INDUSTRIES DIVISION  
2020  
24274

PROJECT

**PUBLIC SCHOOL FACILITIES AUTHORITY**  
APPROVED  
William Sprick  
Quality Specialist

**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

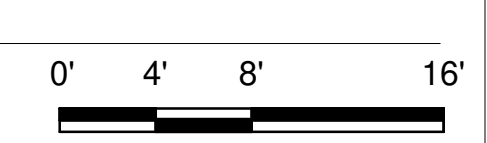
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DRAWN BY	MAD
REVIEWED BY	SDS
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PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

**WASTE & VENT FLOOR PLAN - AREA B - BID LOT #1**

SHEET NO  
**PL101B**

**A4 WASTE & VENT FIRST FLOOR PLAN - AREA B - BID LOT #1**  
SCALE: 1/8" = 1'-0"

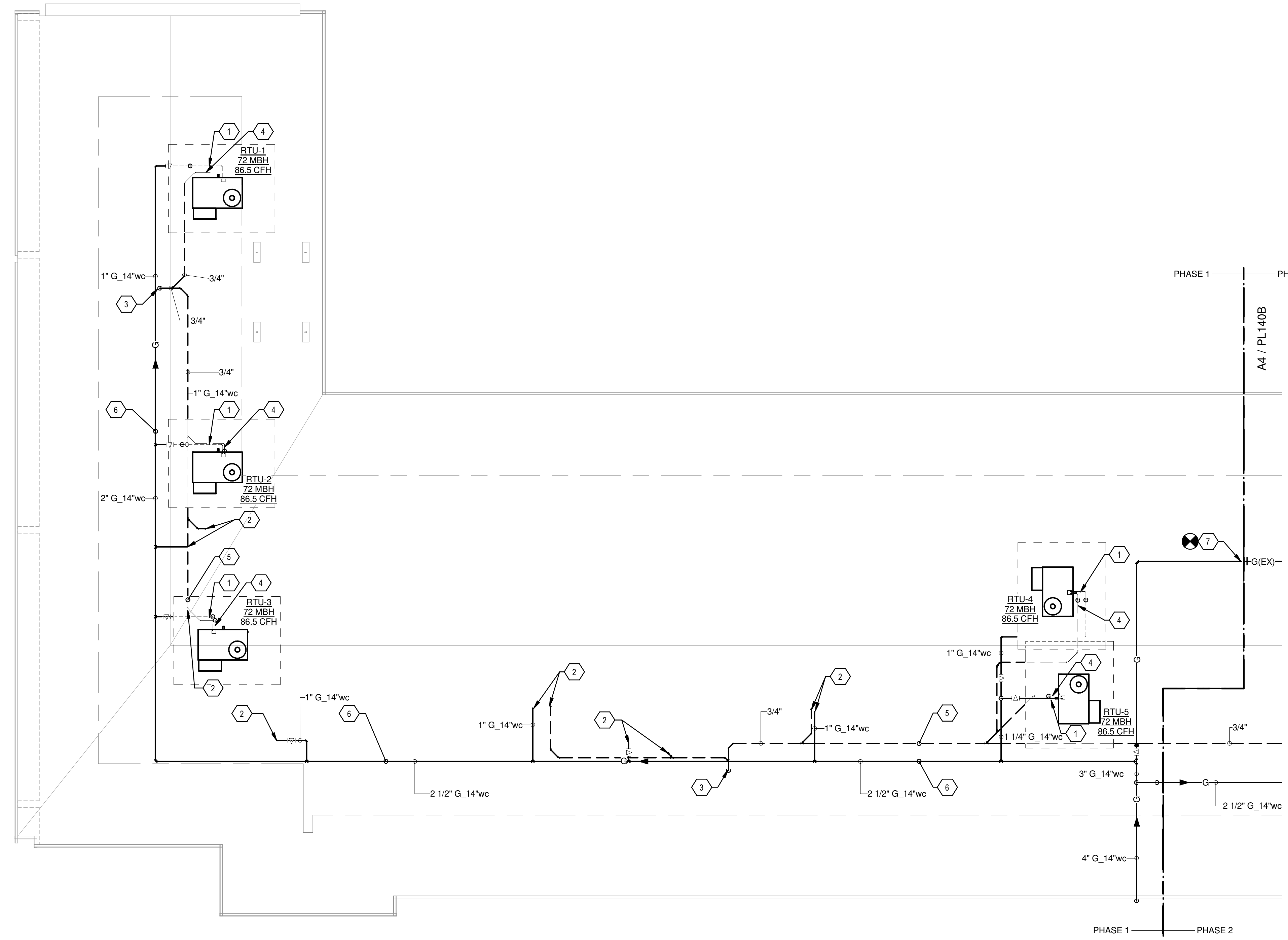


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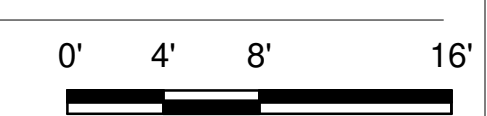


Portales Brown Early Childhood Center, Project #S20-008, PSOC FUNDED

Bridges & Paxton Project No. 8022 1/9/2020 9:47:54 AM D:\Revit\2019\Projects\MEP\_PNS Brown ECC\_8022\_madquanta@bpa.com.rvt



**A4 PLUMBING ROOF PLAN - AREA A**  
SCALE: 1/8" = 1'-0"



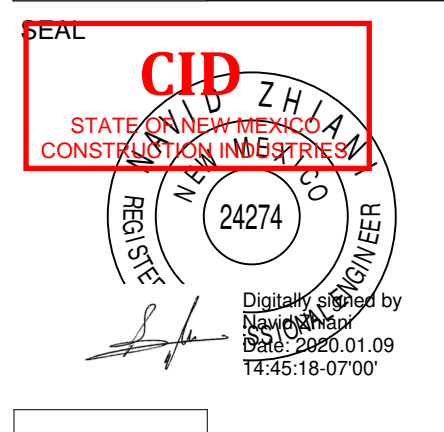
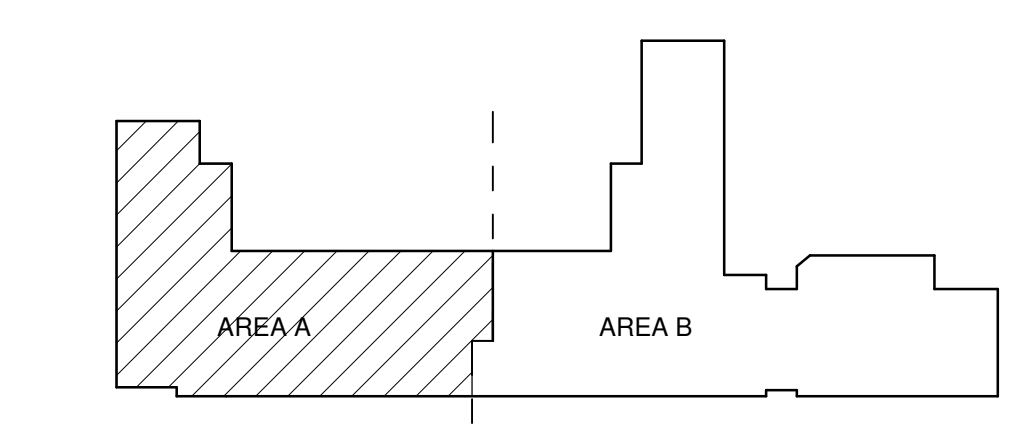
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- O. ALL PIPING SHALL BE TESTED PER 2015 UPC AND PER SPECIFICATIONS.
- P. REFER TO DRAWING P-701 FOR PLUMBING ROUGH IN REQUIREMENTS.

**KEYNOTES**

- 1. PROVIDE PLUG VALVE, UNION, DIRTLEG AND FLEX CONNECTION TO MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS AND DETAIL C3P-501.
- 2. SEE BID LOT #1 FOR CONTINUATION.
- 3. ROUTE CONDENSATE PIPE DOWN INTO CEILING SPACE, TIGHT TO STRUCTURE.
- 4. CONNECT CONDENSATE DRAIN TO UNIT WITH UNION AND FLEXIBLE CONNECTOR.
- 5. CONDENSATE PIPING ROUTED EXPOSED ON ROOF. PROVIDE ROOFTOP PIPING SUPPORTS (EQUAL TO DURA-BLOCK).
- 6. GAS PIPING ROUTED ON ROOF. PROVIDE ROOFTOP SUPPORTS (EQUAL TO DURA-BLOCK).
- 7. CONNECT TO EXISTING GAS TO KEEP RTU'S RUNNING TO PHASE 2.

**KEYPLAN**



**Brown Early Childhood Center  
Old Wing Renovation**  
 520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

REVISIONS

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DRAWN BY	MAD
REVIEWED BY	SDS
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

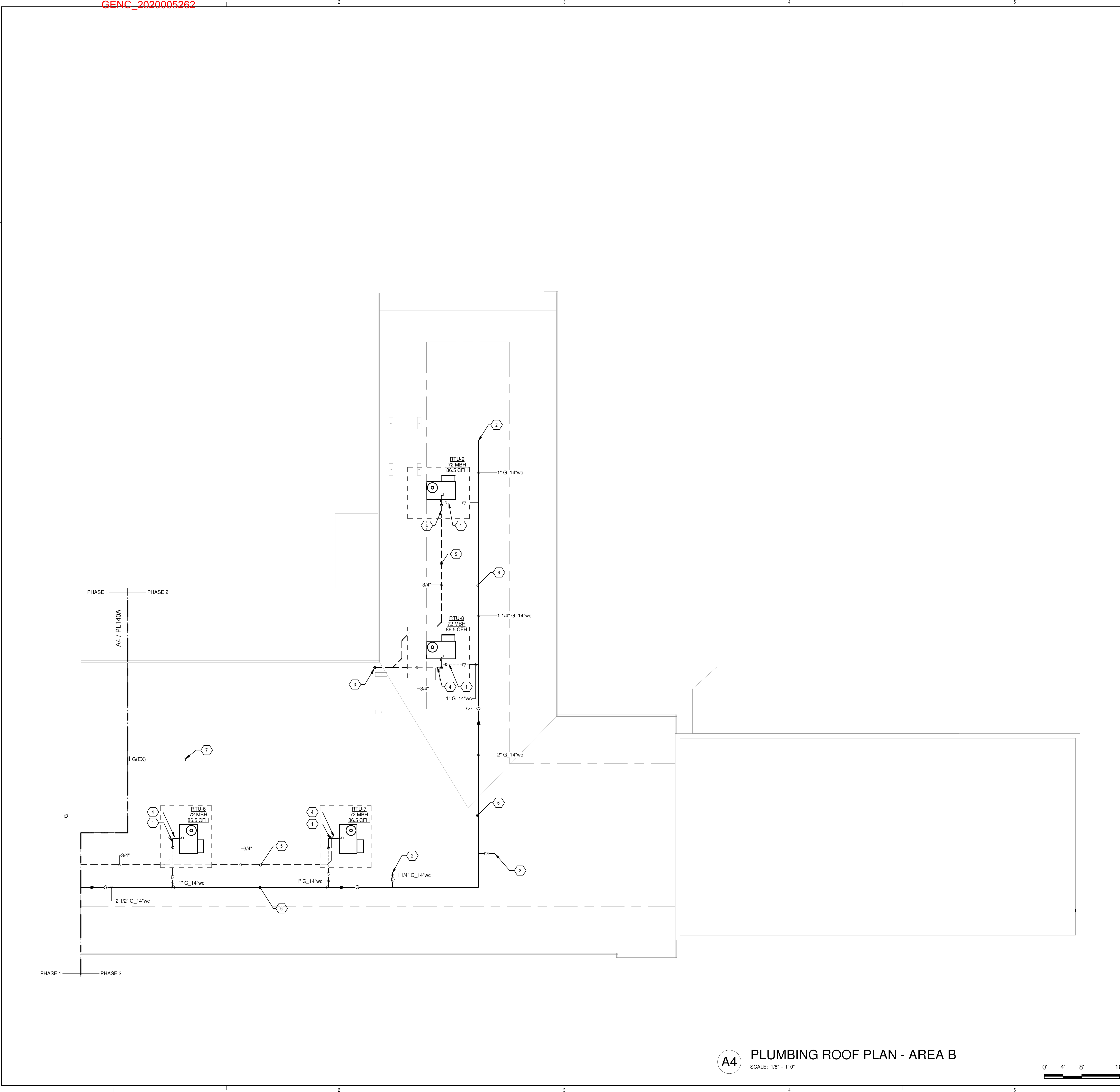
**PLUMBING ROOF PLAN - AREA A**

SHEET NO  
**PL140A**



Portales Brown Early Childhood Center, Project #S20-008, PSOC FUNDED

1/9/2020 9:47:57 AM  
19/2020 Project No: 8022  
Bridges & Paxton Project No: 8022  
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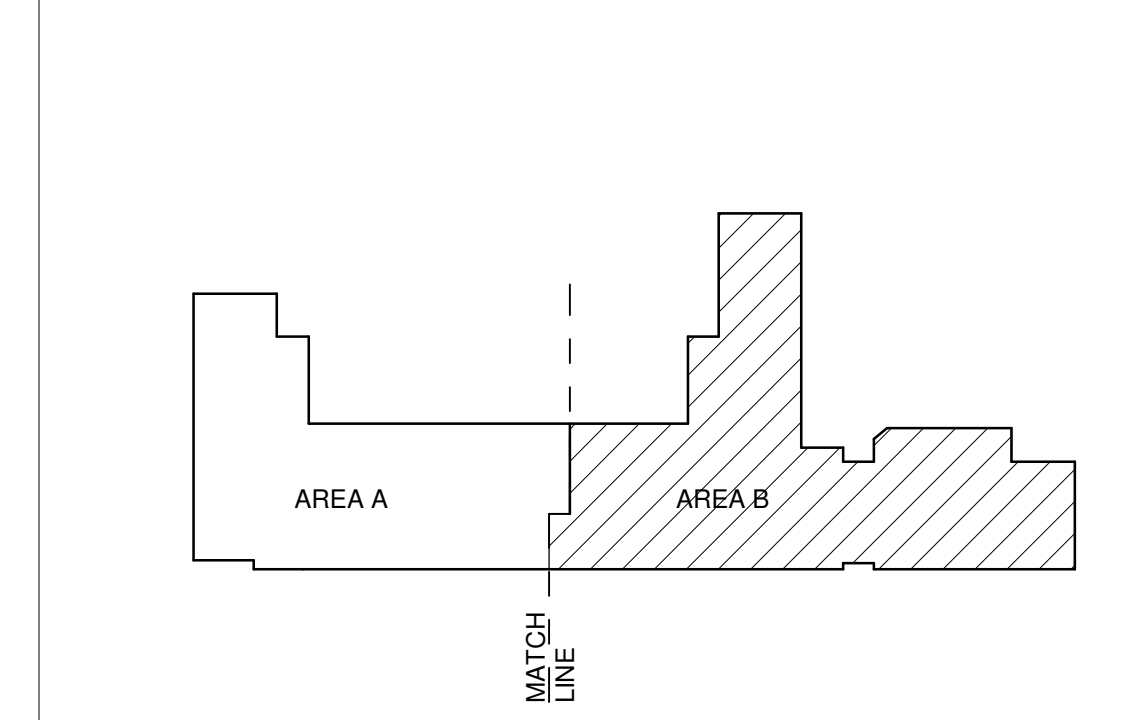
**GENERAL SHEET NOTES**

- A. FINISHED FLOOR ELEVATION = 100'-0" UNLESS OTHERWISE INDICATED.
- B. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING AND PERFORM A FIELD SURVEY TO CONFIRM LOCATION AND SIZES OF EXISTING PLUMBING SERVICES.
- C. THE CONTRACTOR MAY SUBMIT HIS BID BASED ON AN ALTERNATE PIPING LAYOUT, PROVIDING IT COMPLIES WITH FOLLOWING:
  - 1. FIELD SURVEY HAS BEEN COMPLETED AND PROPOSED PLUMBING LAYOUT WON'T CONFLICT WITH EXISTING EQUIPMENT OR WILL NOT DISRUPT PRESENTLY OCCUPIED AREAS.
  - 2. CONTRACTOR HAS REVIEWED ALL PLANS FOR COORDINATING WITH HVAC, FIRE PROTECTION, ARCHITECTURAL, AND ELECTRICAL TRADES TO AVOID CONFLICTS.
  - 3. NEW PIPING SHALL NOT CONNECT TO EXISTING SERVICES OF LESSER SIZE.
  - 4. INSTALLATION COMPLIES WITH STATE AND LOCAL CODES.
- D. PIPING LOCATIONS HAVE BEEN SHOWN FOR CLARITY AND DO NOT NECESSARILY REFLECT THE EXACT LOCATION OF PIPE. COORDINATE ROUTING WITH ALL OTHER TRADES BEFORE INSTALLATION OR MAKEUP OF PIPE. PROVIDE COORDINATION DRAWINGS PER SPECIFICATIONS.
- E. COORDINATE ALL PLUMBING PIPING WITH ALL OTHER TRADES AND PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS AND TO MAINTAIN REQUIRED EQUIPMENT ACCESS AND SERVICEABILITY.
- F. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL FIRE RATED AND OR SMOKE RATED WALLS AND ASSEMBLIES. PIPING PENETRATIONS OF FIRE AND SMOKE RATED WALLS AND LISTED ASSEMBLIES SHALL BE CALKED AIRTIGHT TO THE ADJACENT STRUCTURE BY MEANS OF U.L. LISTED FIRE PROOF CALKING MATERIAL.
- G. UNDERGROUND STORM AND SANITARY PIPING SHOWN ON DRAWINGS RUNNING IN THE CORRIDORS SHALL BE INSTALLED IN THE MIDDLE OF THE CORRIDOR WHERE POSSIBLE. CONTRACTOR SHALL NOT UNDERMINE FOOTINGS.
- H. ALL MATERIALS SHALL BE DISPOSED OF IN A PROPER MANNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP OF WORKSITE OF ANY MATERIAL THAT IS OF THEIR TRADE.
- I. ALL PENETRATIONS THROUGH EXISTING DRYWALL OR SOLID SURFACES SHALL BE PROVIDED WITH ESCUTCHEONS IF EXPOSED. PENETRATIONS SHALL BE PATCHED TO MATCH SURROUNDING SURFACES.
- J. REFER TO ARCHITECTURAL FLOOR PLANS FOR EXACT LOCATION AND HEIGHTS OF ALL PLUMBING FIXTURES BEFORE ROUGH-IN OR INSTALLATION OF PIPE. PLUMBING FIXTURES SHALL BE MOUNTED AT HEIGHTS SHOWN ON ARCHITECTURAL ELEVATION DRAWINGS.
- K. ALL PIPING IN FINISHED ROOMS SHALL BE CONCEALED IN FURRED CHASES UNLESS OTHERWISE NOTED ON THIS DRAWING.
- L. PROVIDE HINGED ACCESS DOORS FOR VALVES, WATER HAMMER ARRESTERS, ISOLATION BALL VALVES LOCATED IN NONACCESSIBLE CEILINGS AND CHASES. DOORS FURNISHED PER ARCHITECTURAL SPECIFICATIONS AND PURCHASED AND INSTALLED PER DIVISION 22 ACCESS DOOR RATING SHALL MATCH THE CLASSIFICATION OF WALLS AND CEILING FIRE RATING. COORDINATE COLOR AND TYPE OF ACCESS DOOR WITH ARCHITECTURAL PRIOR TO PERFORMING WORK.
- M. SANITARY SEWER PIPING SHALL BE C1 NO-HUB UNLESS NOTED OTHERWISE. INSTALL PER UPC CODE.
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- O. ALL PIPING SHALL BE TESTED PER 2015 UPC AND PER SPECIFICATIONS.
- P. REFER TO DRAWING P-701 FOR PLUMBING ROUGH IN REQUIREMENTS.

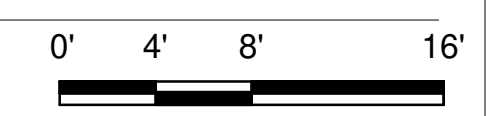
**KEYNOTES**

- 1. PROVIDE PLUG VALVE, UNION, DIRTLUG AND FLEX CONNECTION TO MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS AND DETAIL C3/P-501.
- 2. SEE BID LOT #1 FOR CONTINUATION.
- 3. ROUTE CONDENSATE PIPE DOWN INTO CEILING SPACE, TIGHT TO STRUCTURE.
- 4. CONNECT CONDENSATE DRAIN TO UNIT WITH UNION AND FLEXIBLE CONNECTOR.
- 5. CONDENSATE PIPING ROUTED EXPOSED ON ROOF. PROVIDE ROOFTOP PIPING SUPPORTS (EQUAL TO DURA-BLOK).
- 6. GAS PIPING ROUTED ON ROOF. PROVIDE ROOFTOP SUPPORTS (EQUAL TO DURA-BLOK).
- 7. REMOVE PIPING BACK TO ISOLATION VALVE AND CAP. REFER TO PL140A FOR CONTINUATION.

**KEYPLAN**



**A4 PLUMBING ROOF PLAN - AREA B**  
SCALE: 1/8" = 1'-0"



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Albuquerque, NM 87110  
505.883.4111 www.btpsa.com

SEAL  
Professional Engineer  
William W. Sprick  
No. 24274  
2020.01.09  
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PROJECT  
**PUBLIC SCHOOL FACILITIES AUTHORITY**  
APPROVED  
William W. Sprick  
Quality Specialist

**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

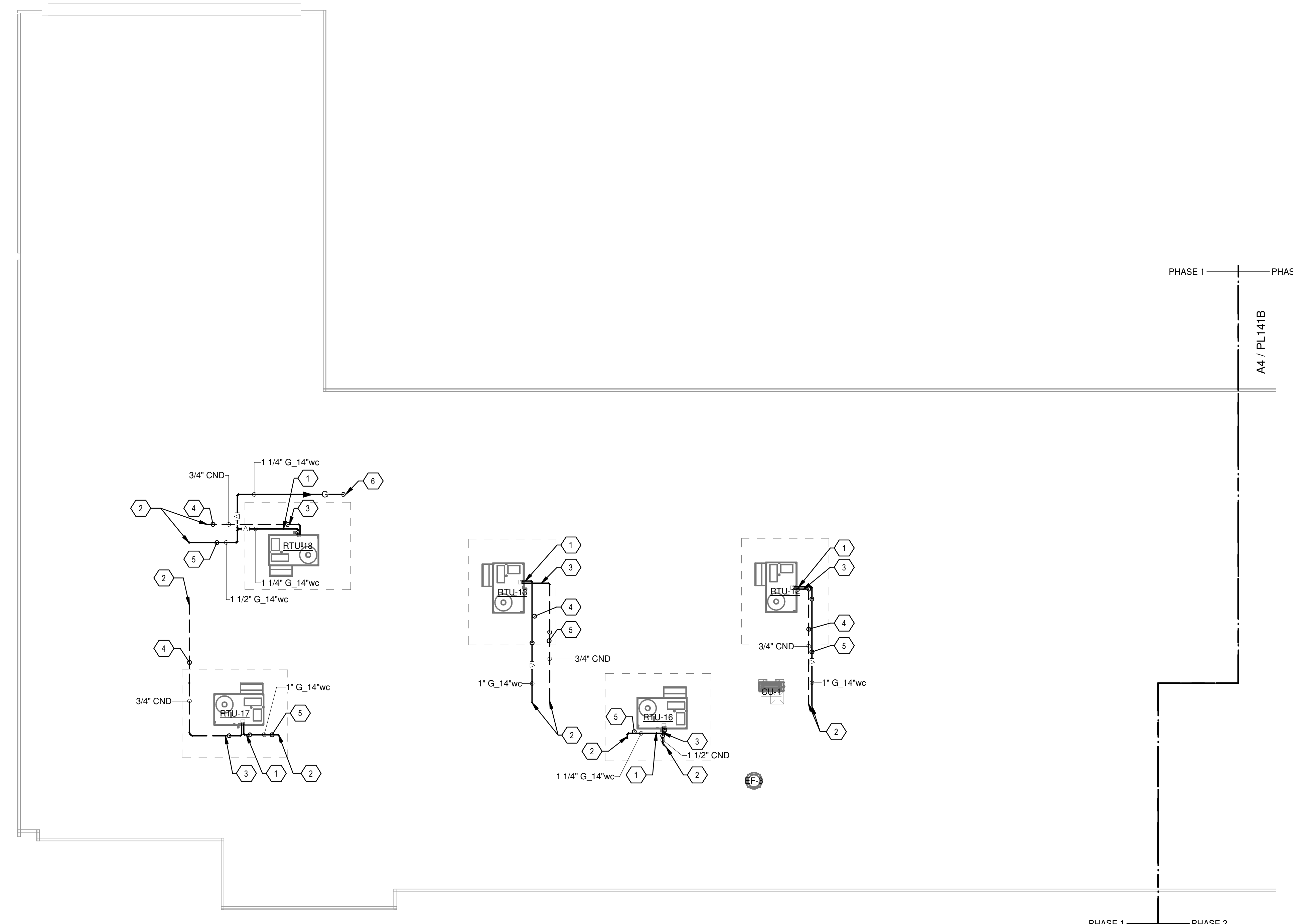
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SHEET NO	PL140B

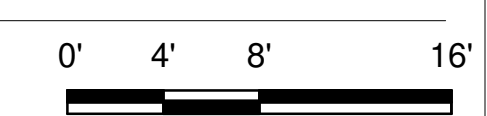


Portales Brown Early Childhood Center, Project #S20-008, PSOC FUNDED

Bridges & Paxton Project No: 8022 1/9/2020 9:48:01 AM D:\Revit\2019\Projects\MEP\_PMS Brown ECC\_8022\_madocant@bpa.com.rvt



**A4 PLUMBING ROOF PLAN - AREA A - BID LOT #1**  
SCALE: 1/8" = 1'-0"



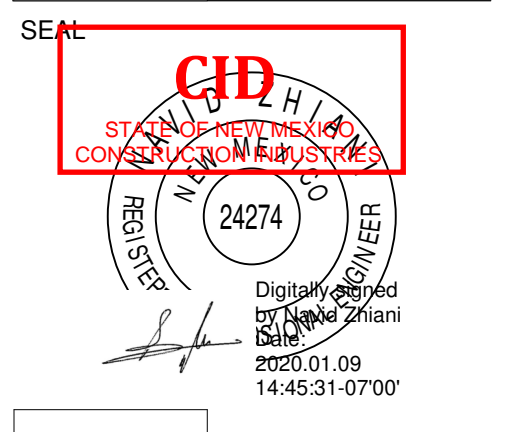
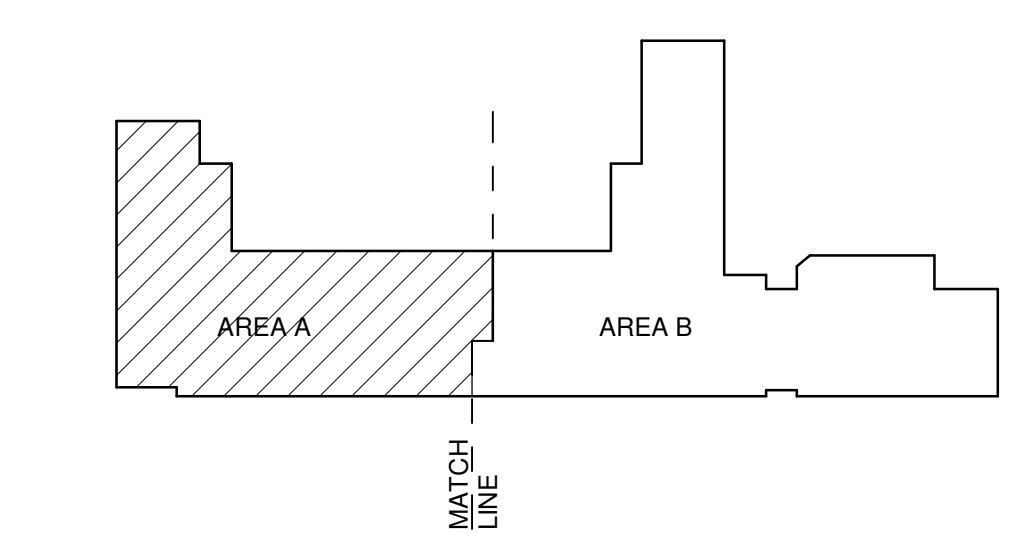
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**KEYNOTES**

- 1. PROVIDE PLUG VALVE, UNION, DIRTLEG AND FLEX CONNECTION TO MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS AND DETAIL C3P-501.
- 2. SEE BASE BID PL140R FOR CONTINUATION.
- 3. CONNECT CONDENSATE DRAIN TO UNIT WITH UNION AND FLEXIBLE CONNECTOR.
- 4. CONDENSATE PIPING ROUTED EXPOSED ON ROOF. PROVIDE ROOFTOP PIPING SUPPORTS (EQUAL TO DURA-BLOCK).
- 5. GAS PIPING ROUTED ON ROOF. PROVIDE ROOF TOP SUPPORTS (EQUAL TO DURA-BLOCK).
- 6. ROUTE GAS LINE DOWN TO FIRE RISER 108.

**KEYPLAN**



**Brown Early Childhood Center  
Old Wing Renovation**  
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**CONSTRUCTION DOCUMENTS**

REVISIONS

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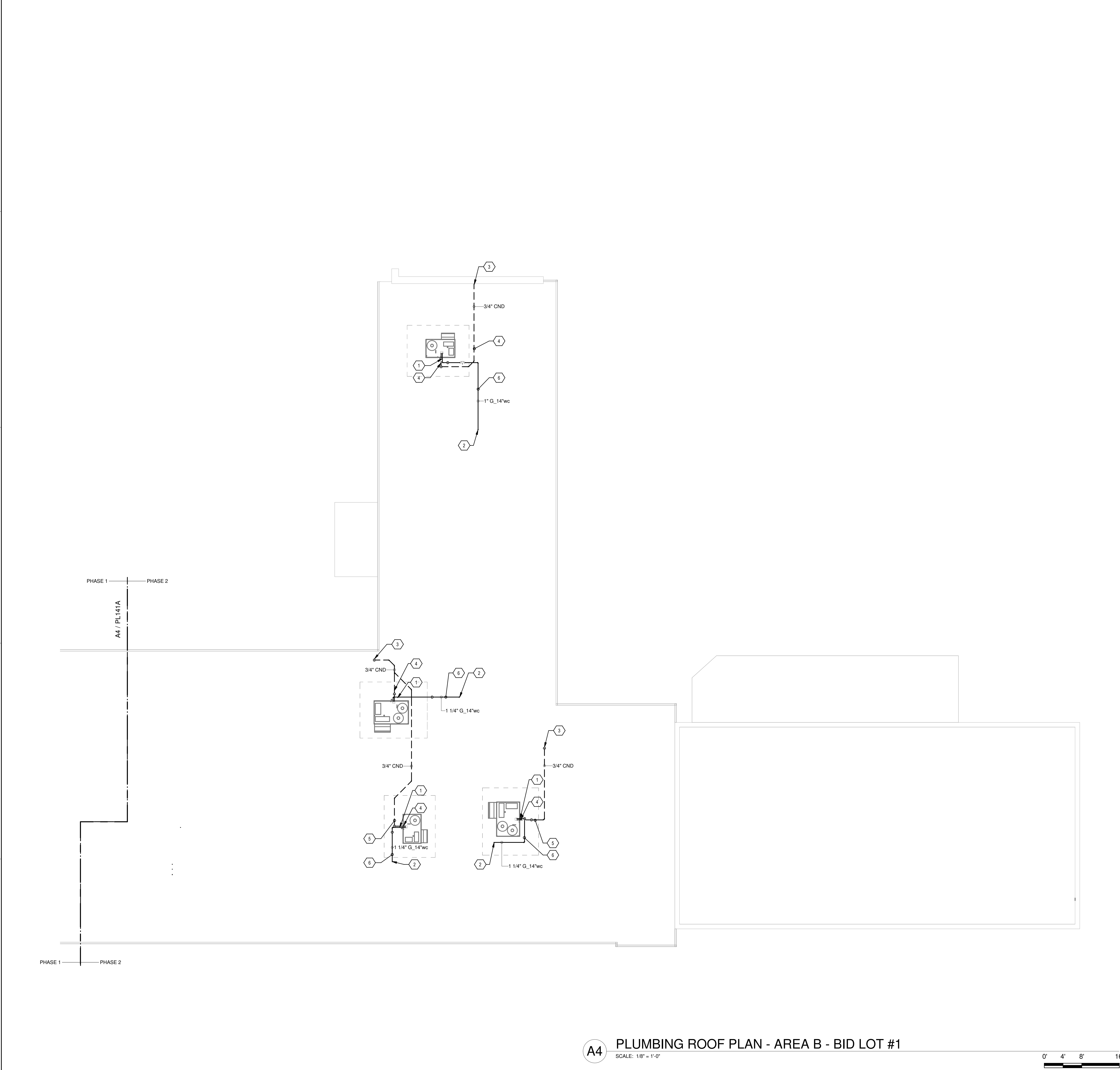
**PLUMBING ROOF PLAN - AREA A - BID LOT #1**

SHEET NO **PL141A**

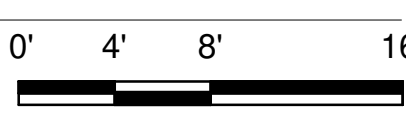


Portales Brown Early Childhood Center, Project #S20-008, PSFCC FUNDED

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**A4** PLUMBING ROOF PLAN - AREA B - BID LOT #1  
SCALE: 1/8" = 1'-0"

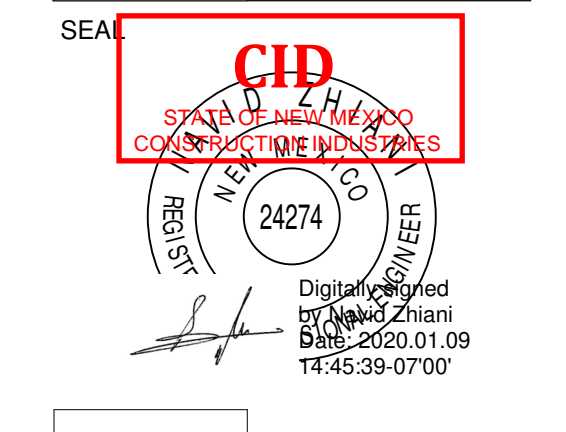
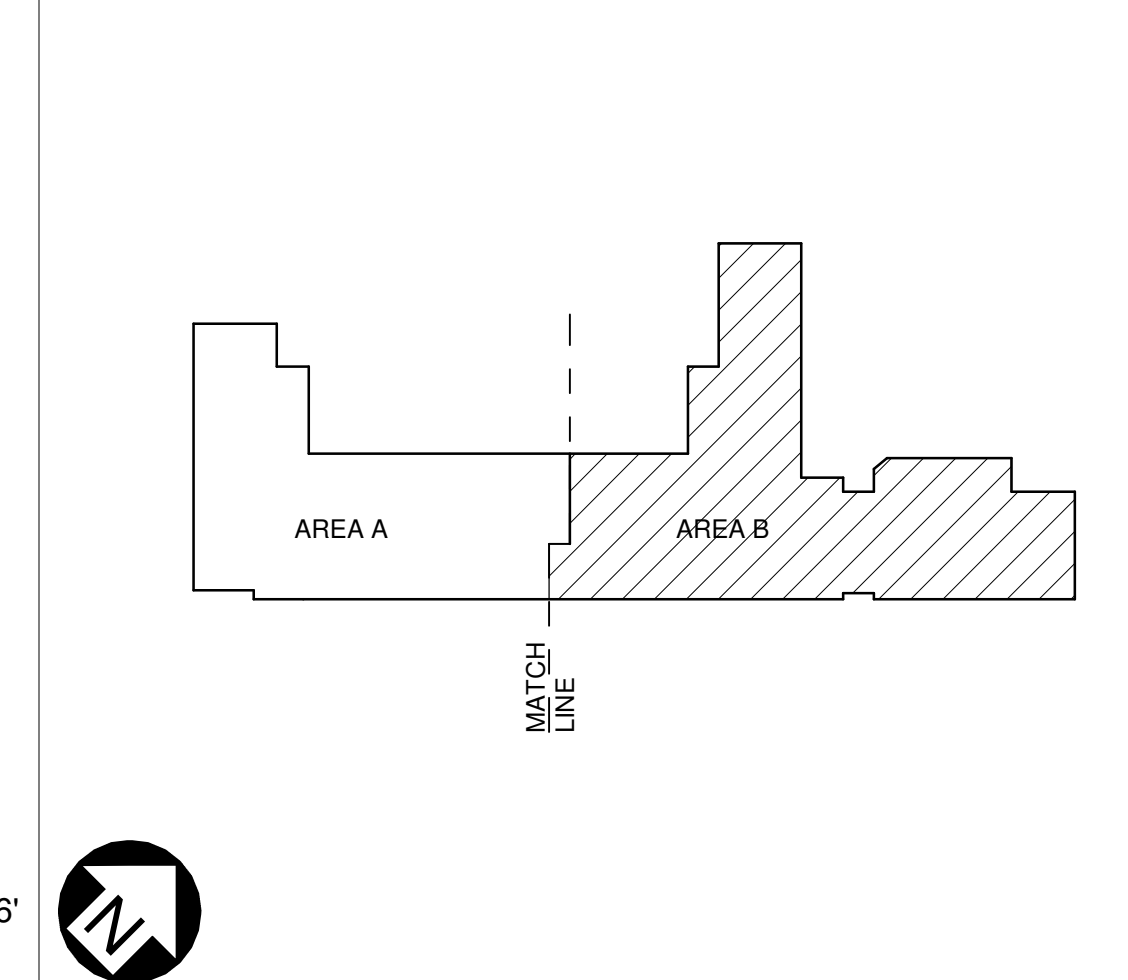


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### KEYNOTES

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- SEE BID LOT #1 FOR CONTINUATION.
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### KEYPLAN



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<b>PLUMBING ROOF PLAN - AREA B - BID LOT #1</b>	
SHEET NO	PL141B



REVISIONS

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DRAWN BY	MAD
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DRAWING NAME	

PRESSURE PIPING FLOOR PLAN - AREA A

SHEET NO PP100A

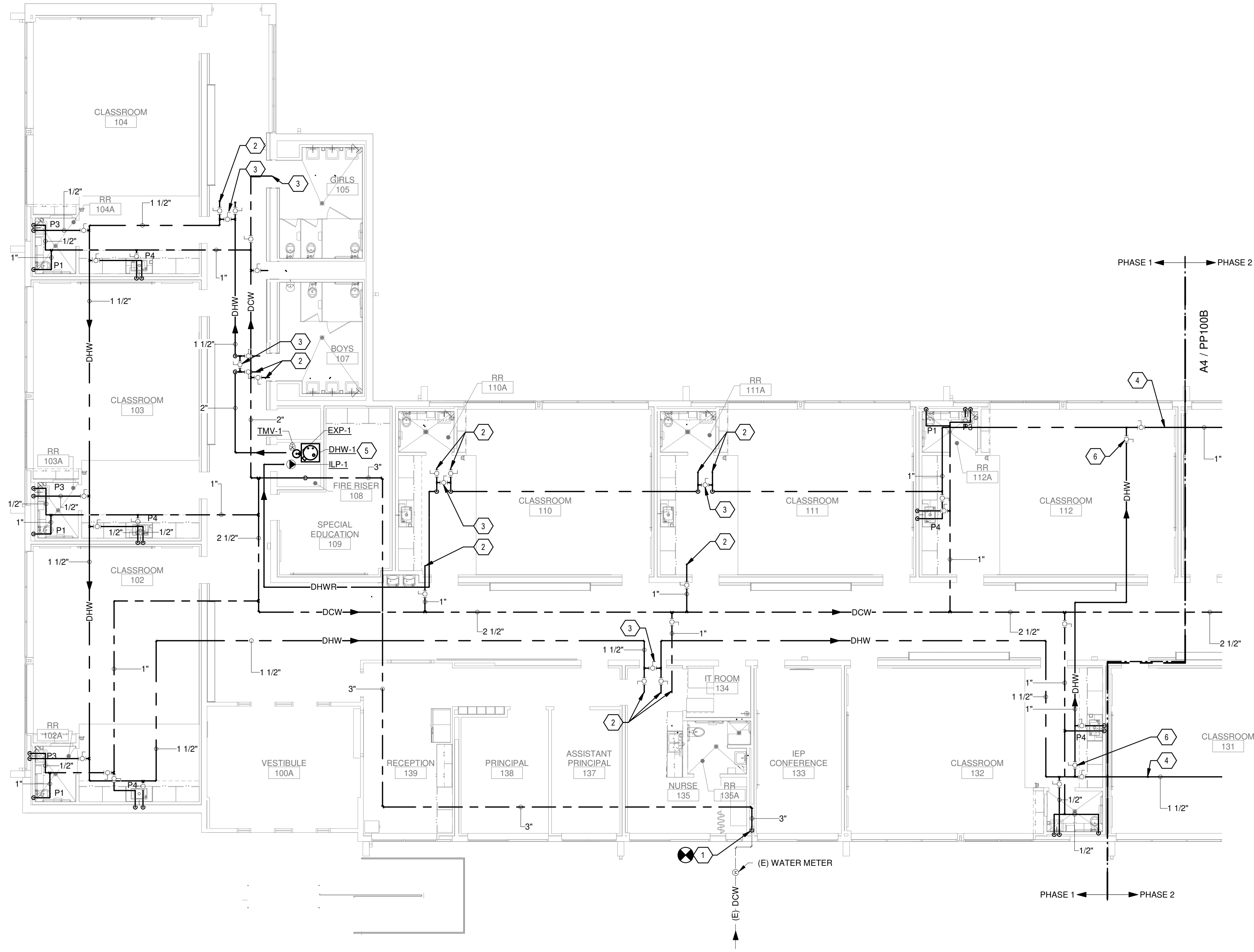
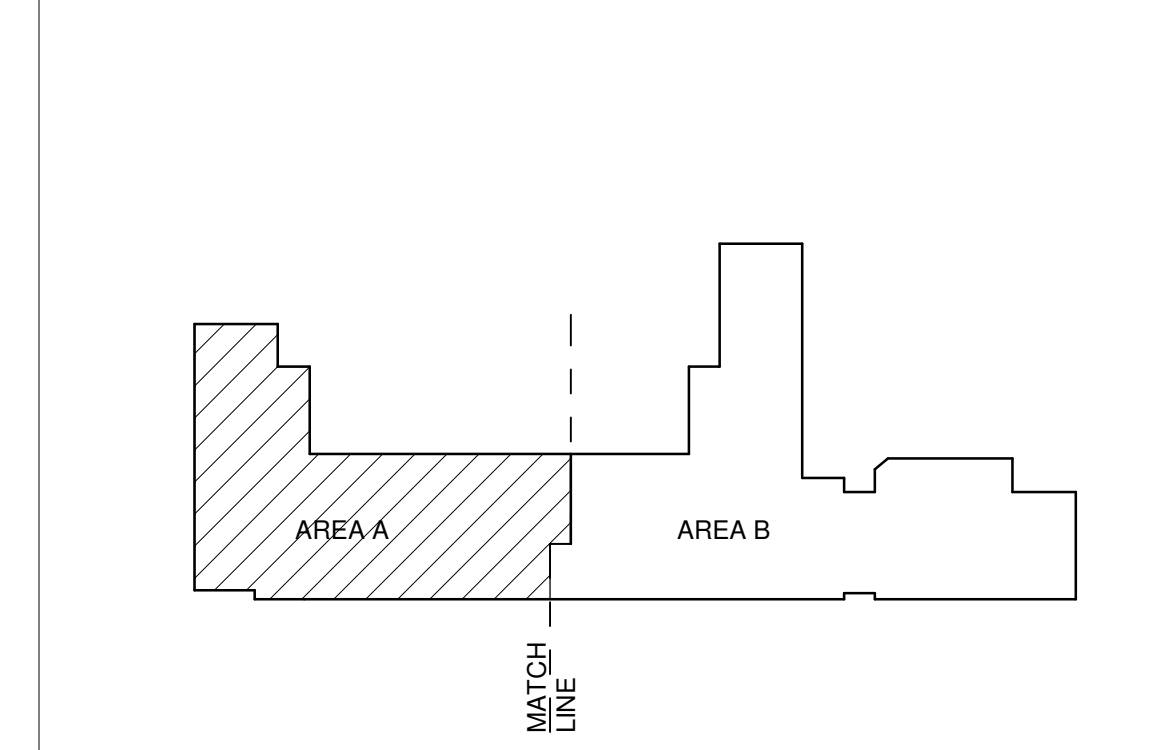
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KEYNOTES

- WATER ENTRY. REFER TO DETAIL D2P-501
- SEE PP101A FOR EXTENSION TO BID LOT.
- BYPASS NORMALLY OPEN UNDER BASE BID.
- CAPPED FOR FOR EXTENSION TO PHASE 2
- DOMESTIC WATER HEATER, REFER TO DETAIL A3P-501 FOR MORE INFORMATION.
- REMOVE PIPING, CLOSE VALVE, AND CAP PIPE DOWNSTREAM OF ISOLATION VALVES UPON COMPLETION OF PHASE 2.

KEYPLAN



A4 PRESSURE PIPING FLOOR PLAN - AREA A

SCALE: 1/8" = 1'-0" 0' 4' 8' 16'

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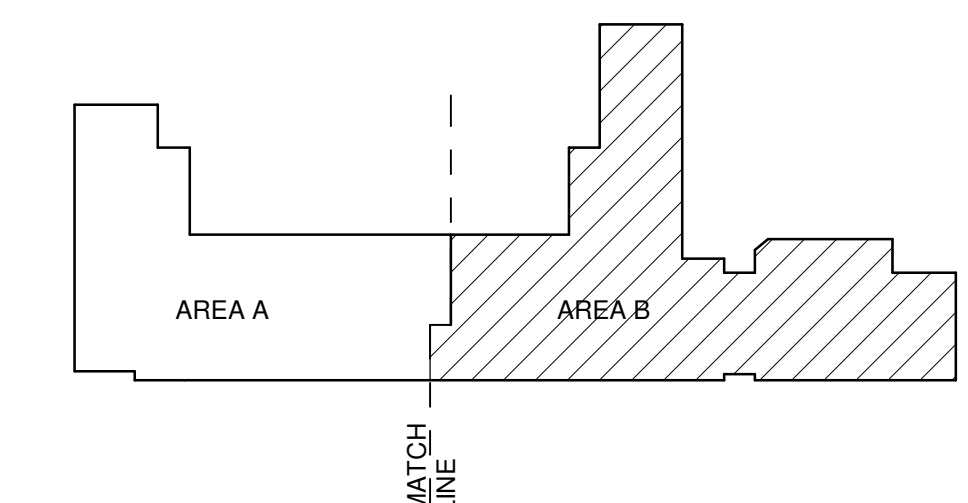
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KEYNOTES

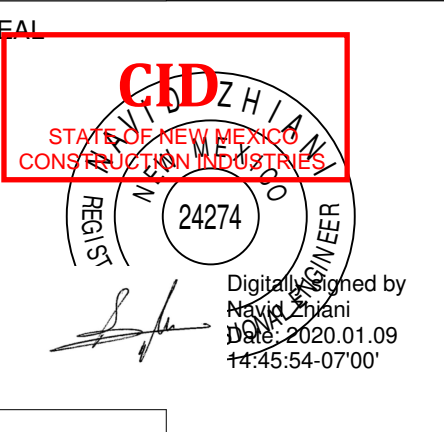
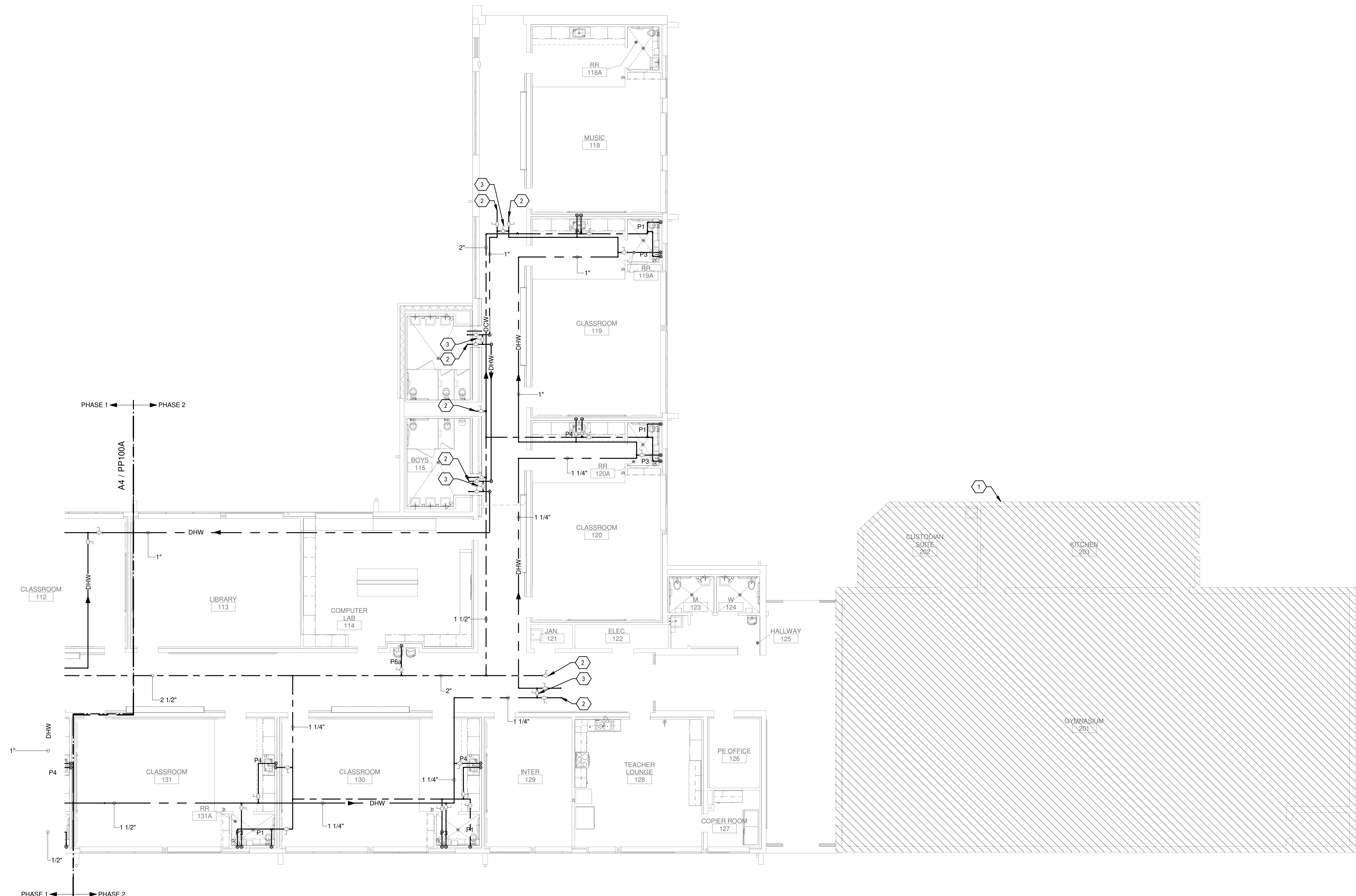
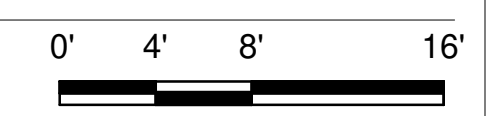
- 1. EXISTING TO REMAIN, NO PLUMBING SCOPE OF WORK IN THIS AREA.
- 2. SEE PP101B FOR EXTENSION TO BID LOT.
- 3. BYPASS NORMALLY OPEN UNDER BASE BID.

KEYPLAN



A4 PRESSURE PIPING FLOOR PLAN - AREA B

SCALE: 1/8" = 1'-0"



PROJECT



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

CONSTRUCTION DOCUMENTS

REVISIONS

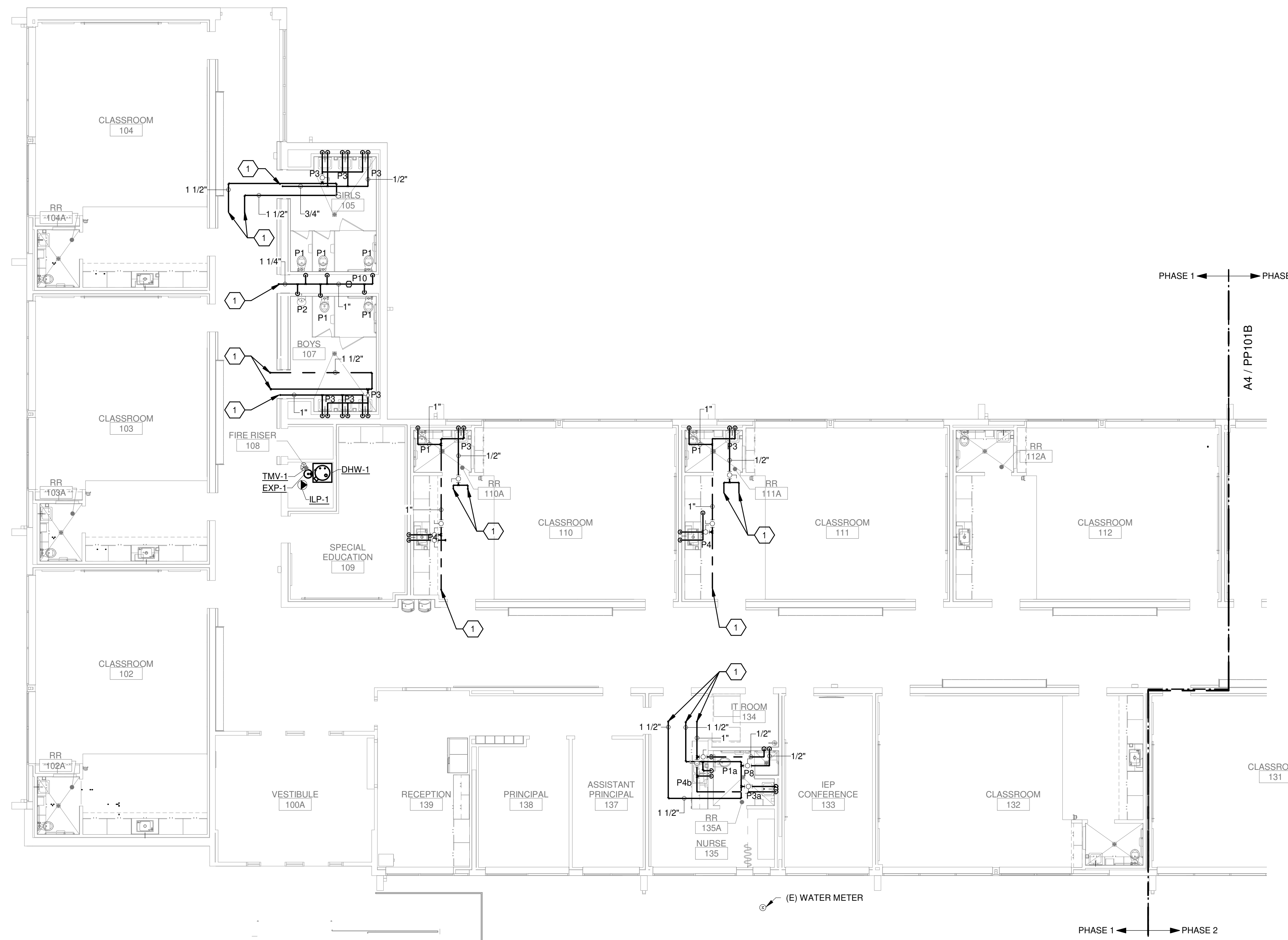
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DRAWN BY	MAD
REVIEWED BY	SDS
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

PRESSURE PIPING FLOOR PLAN - AREA B

SHEET NO  
**PP100B**





**A4** PRESSURE PIPING FIRST FLOOR PLAN - AREA A - BID LOT #1  
SCALE: 1/8" = 1'-0"

0' 4' 8' 16'

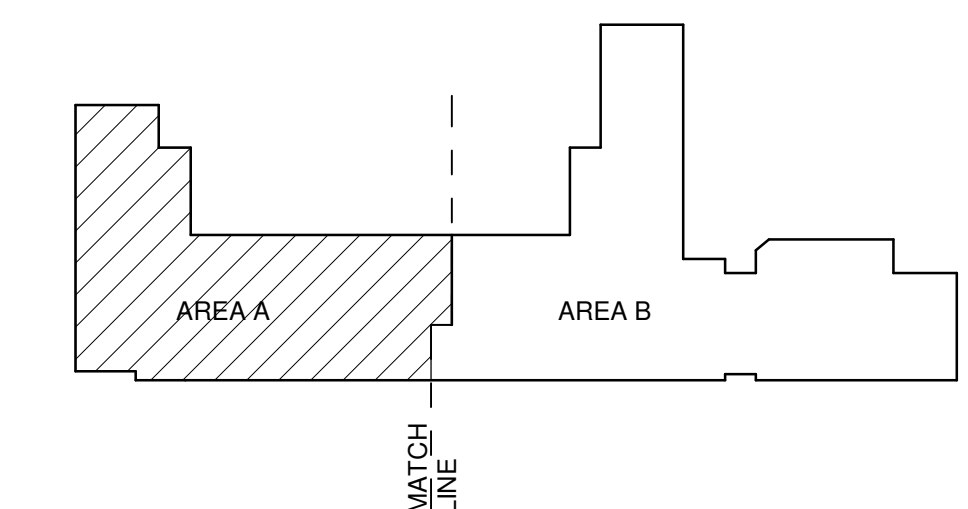
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**KEYNOTES**

- 1. SEE PP100A FOR EXTENSION FROM BASE BID.

**KEYPLAN**



**FORMATIVE**  
architecture

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29 GOLD AVENUE, SW  
ALBUQUERQUE, NM 87102  
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**B**  
**BRIDGES & PAXTON**  
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Albuquerque, NM 87110  
505.883.4111 www.bpa.com

SEAL  
CID  
CONTRACTOR  
24274  
Date: 02/19/2020  
By: [Signature]  
14:46:05-07:00

PROJECT  
**PUBLIC SCHOOL**  
**FACILITIES AUTHORITY**  
APPROVED  
William Sprick  
Quality Specialist

**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

**REVISIONS**

- △
- △
- △
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DRAWN BY	MAD
REVIEWED BY	SDS
DATE	12/10/2019
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PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

**PRESSURE PIPING FLOOR PLAN - AREA A - BID LOT #1**

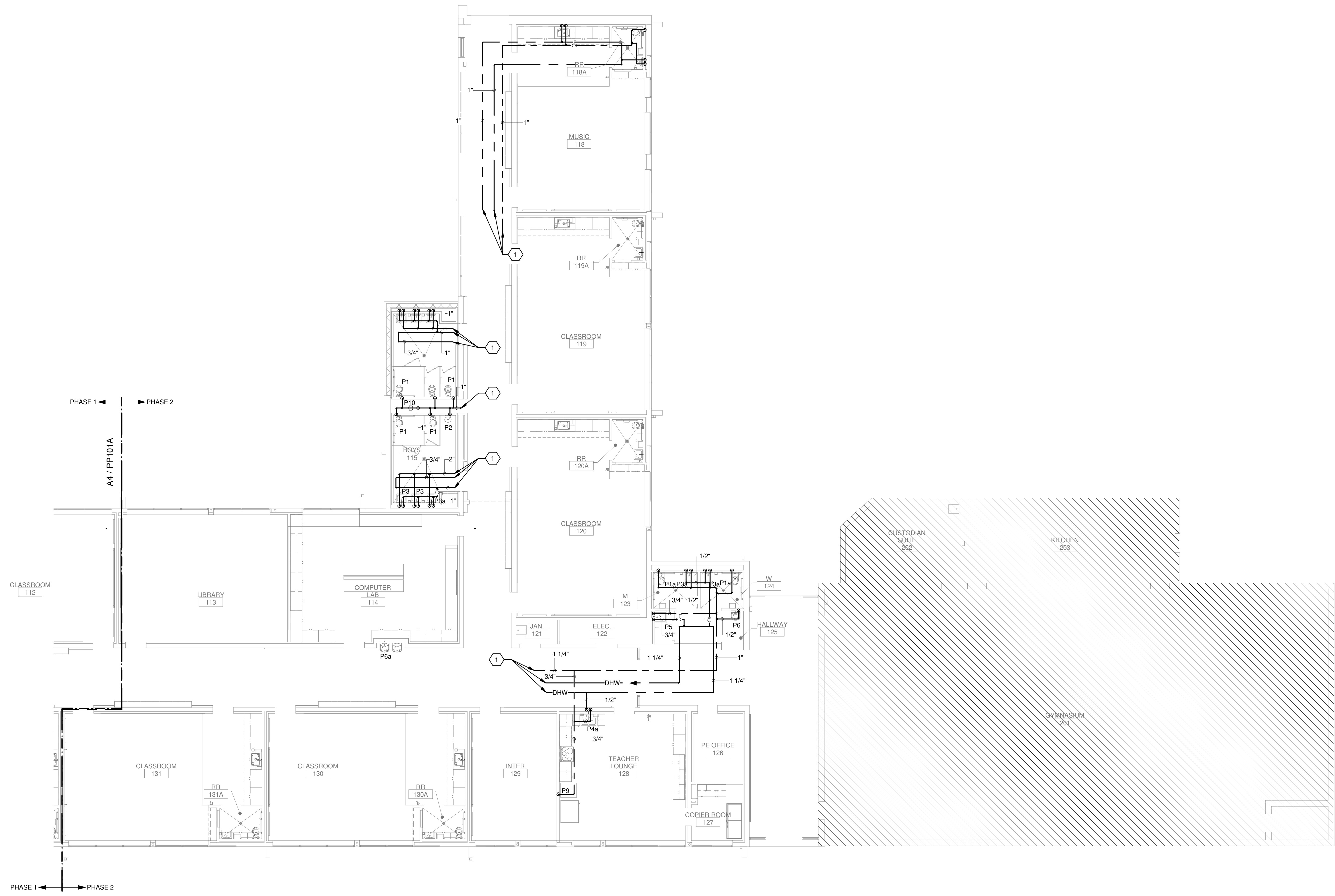
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**PP101A**

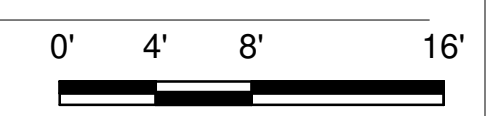


Portales Brown Early Childhood Center, Project #S20-008, PSOC FUNDED

Bridges & Paxton Project No. 8022 1/9/2020 9:48:28 AM D:\Revit\2019\Projects\MEP\_PMS Brown ECC\_8022\_mad@bpa.com.rvt



**A4** PRESSURE PIPING FIRST FLOOR PLAN - AREA A - BID LOT #1  
SCALE: 1/8" = 1'-0"



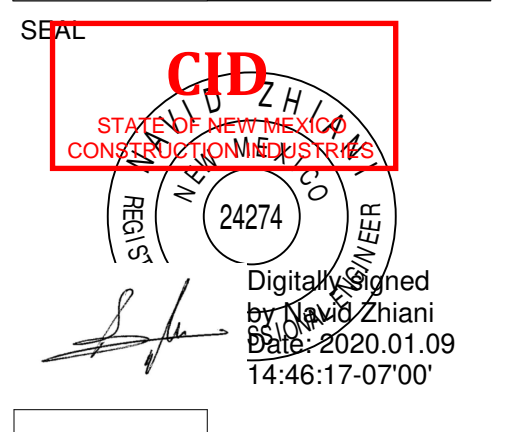
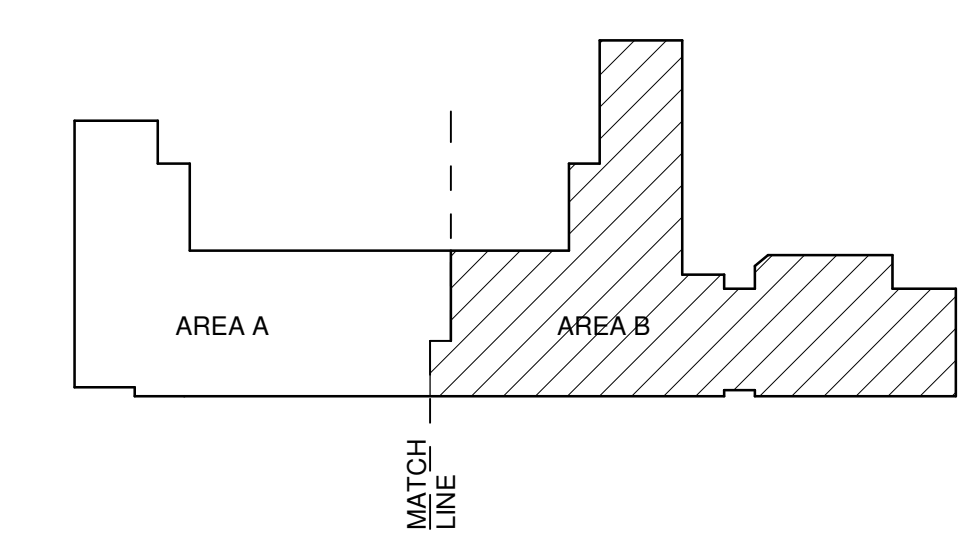
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**KEYNOTES**

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**KEYPLAN**



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

REVISIONS


DRAWN BY	MAD
REVIEWED BY	SDS
DATE	12/10/2019
PROJECT NO	18-0032
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PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

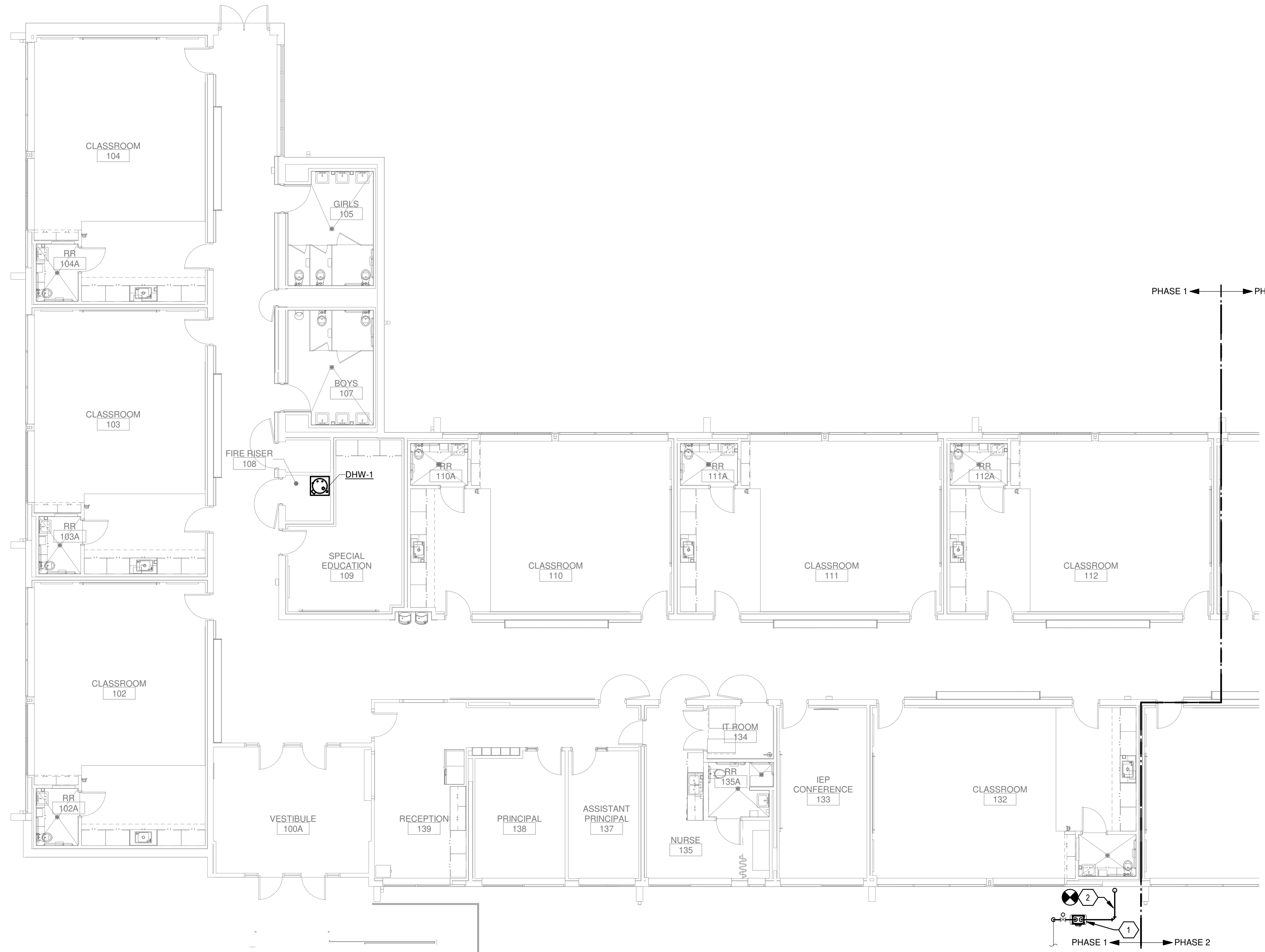
**PRESSURE PIPING FLOOR PLAN - AREA B - BID LOT #1**

SHEET NO **PP101B**



Portales Brown Early Childhood Center, Project #S20-008, PSOCF FUNDED

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Bridges & Paxton Project No. 8022



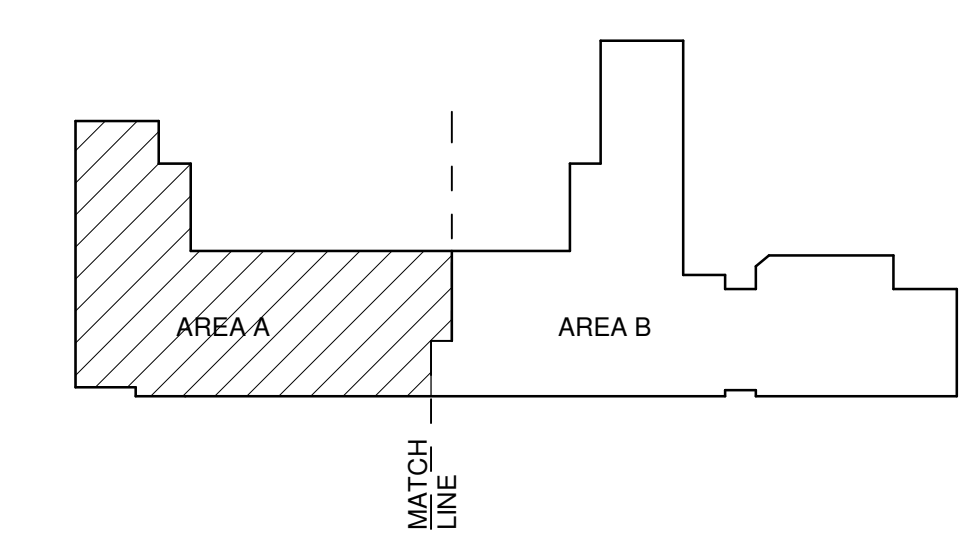
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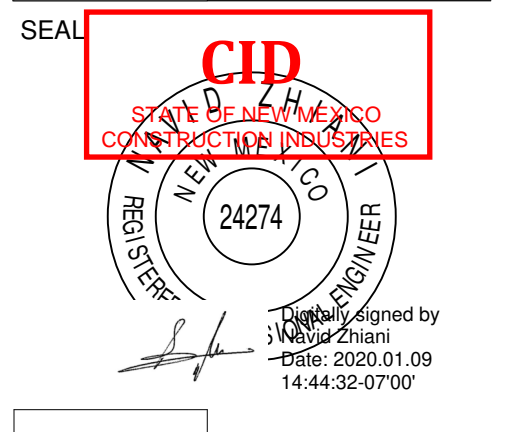
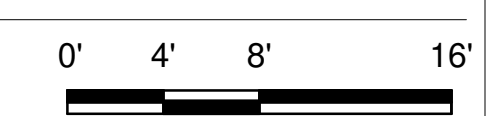
**KEYNOTES**

- 1. RESPRING, REPLACE, OR REORIFICE THE GAS REGULATOR AND/OR METER TO ACCOMMODATE ADDITIONAL LOAD OF 2056 CFH. LEAVING PRESSURE SET AT 14" W.C. (2 PSI ENTERING MAIN REGULATOR).
- 2. NEW GAS SERVICE, UP TO ROOF ABOVE. REFER TO PL131A FOR CONTINUATION.

**KEYPLAN**



**A4 PIPED GASES FLOOR PLAN - AREA A**  
SCALE: 1/8" = 1'-0"



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

REVISIONS


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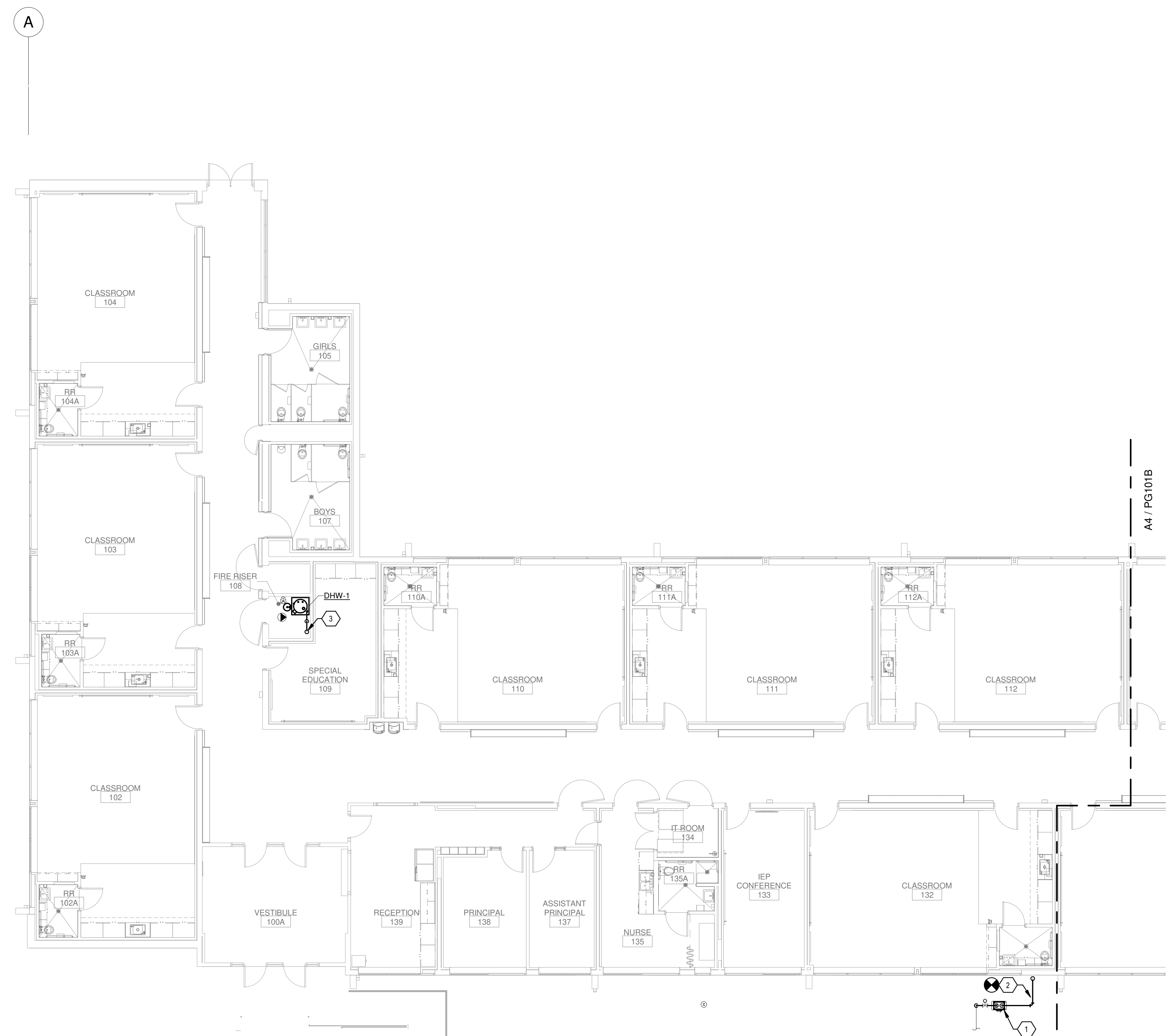
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SHEET NO **PG100A**

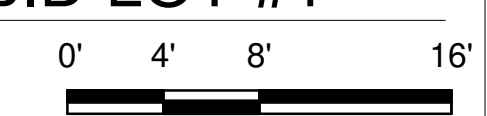


Portales Brown Early Childhood Center, Project #S20-008, PSOC FUNDED

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Bridges & Paxton Project No: 8022



**A4** PIPED GASES FIRST FLOOR PLAN - AREA A - BID LOT #1  
SCALE: 1/8" = 1'-0"



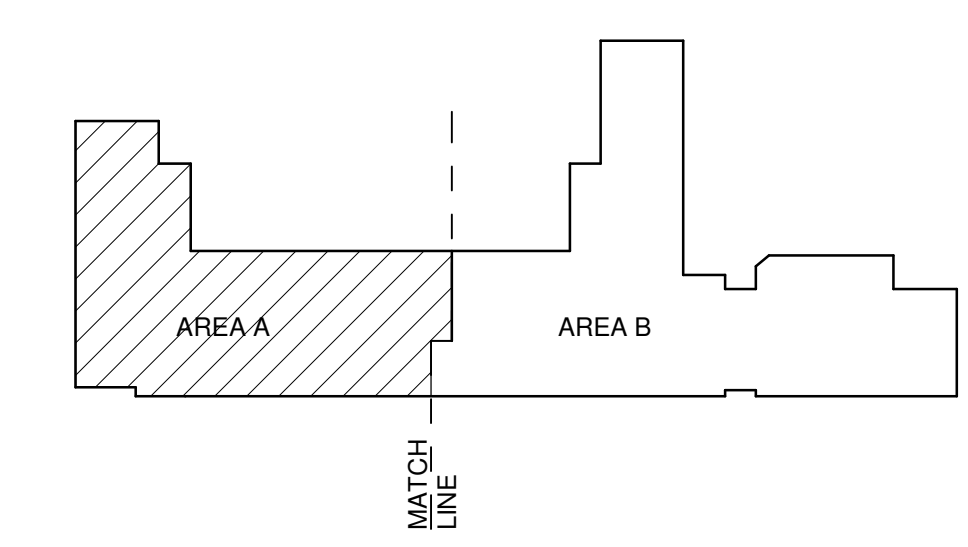
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- P. REFER TO DRAWING P-701 FOR PLUMBING ROUGH IN REQUIREMENTS.

**KEYNOTES**

- 1. RESPRING, REPLACE, OR REORIFICE THE GAS REGULATOR AND/OR METER TO ACCOMMODATE ADDITIONAL LOAD OF 2056 CFH. LEAVING PRESSURE SET AT 14" W.C. (2 PSI ENTERING MAIN REGULATOR).
- 2. NEW GAS SERVICE, UP TO ROOF ABOVE. REFER TO PL140A FOR CONTINUATION.
- 3. GAS LINE FROM ROOF TO FIRE RISER 108.

**KEYPLAN**



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ALBUQUERQUE, NM 87102  
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Albuquerque, NM 87110  
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PROJECT



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

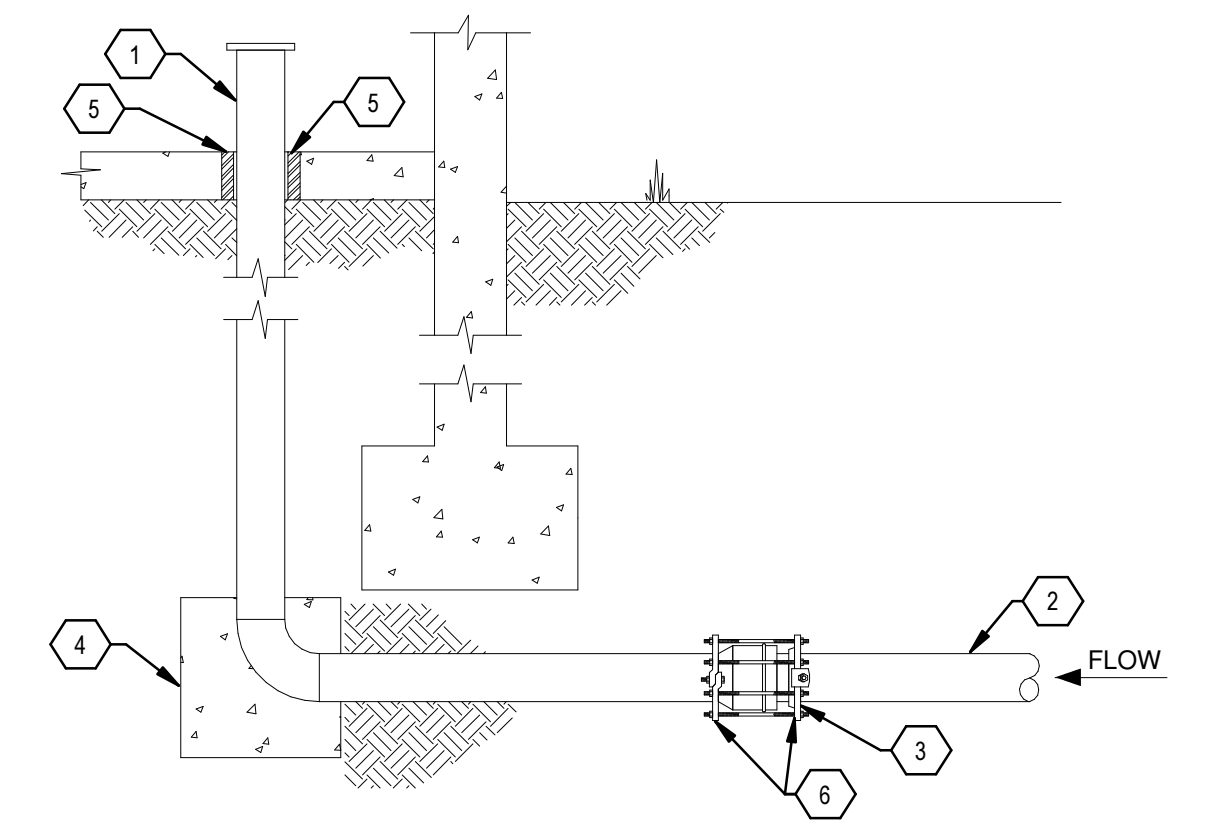
REVISIONS


DRAWN BY	Author
REVIEWED BY	Checker
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

**PIPED GASES  
FLOOR PLAN -  
AREA A - BID LOT  
#1**

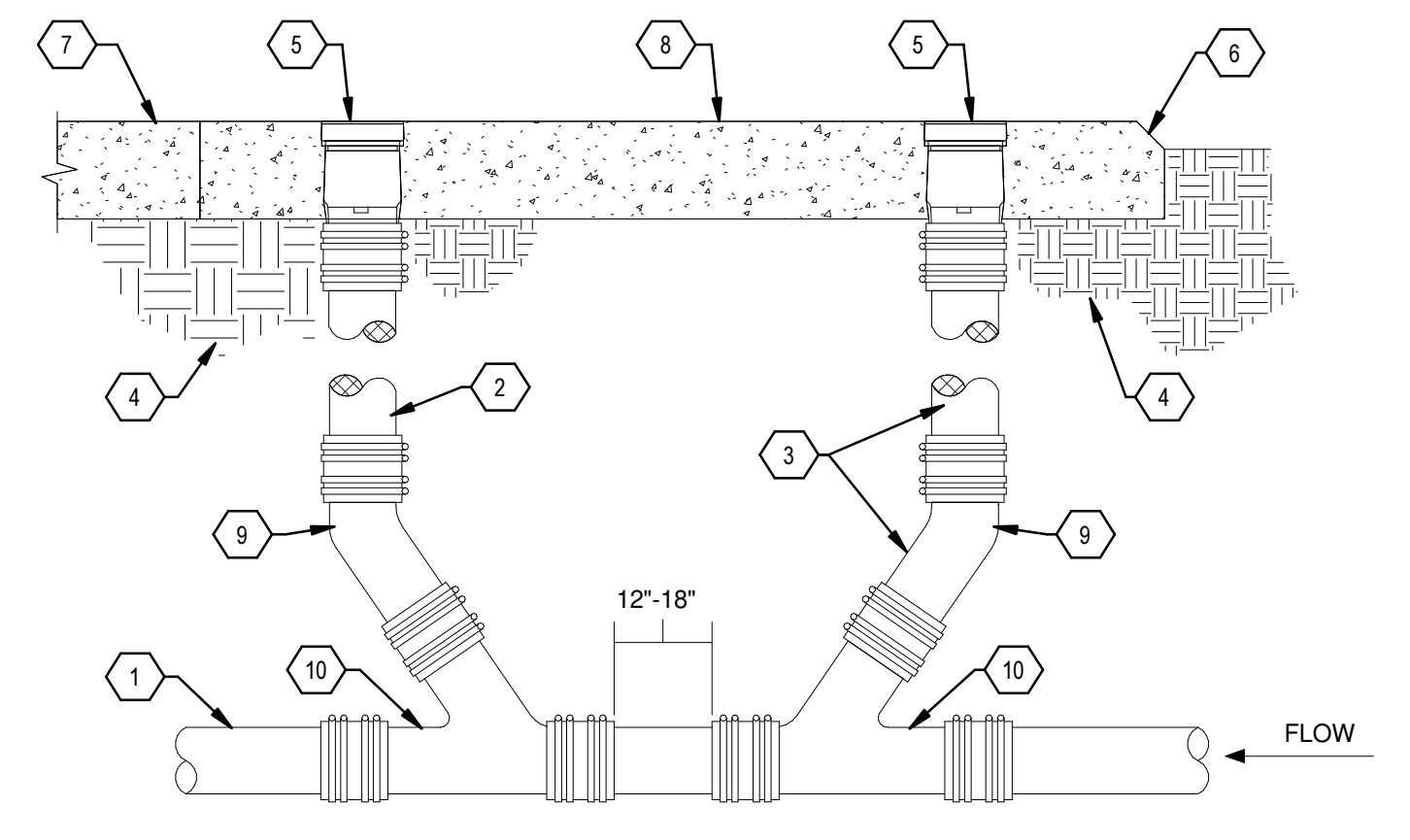
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**PG101A**





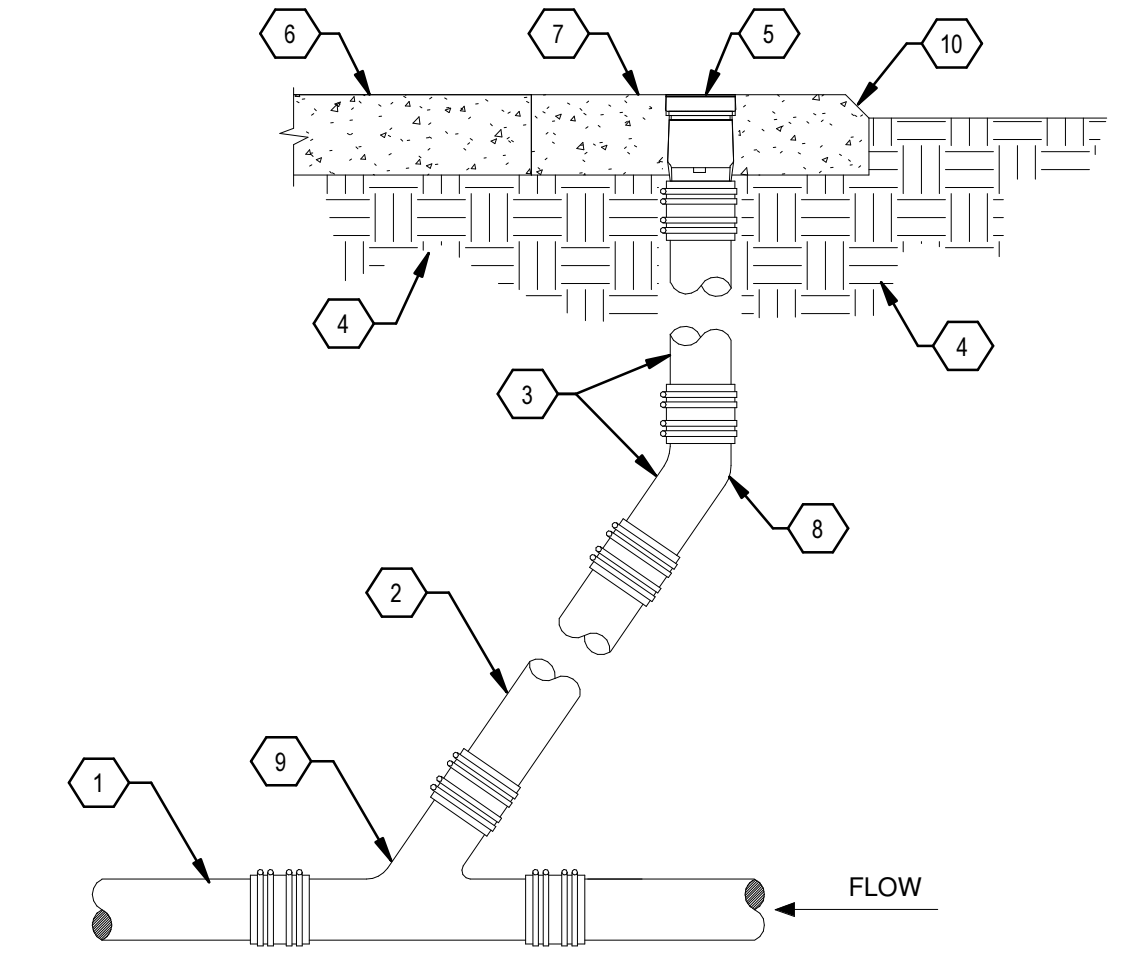
- 1 AMES IN-BUILDING RISER. STAINLESS STEEL TYPE 304. SEE PLANS FOR SIZE AND SERVICE.
- 2 DUCTILE, CAST-IRON, OR PVC WATER SERVICE.
- 3 MECHANICAL JOINT FROM SUPPLY PIPE TO STAINLESS STEEL. CONTINUE INTO BUILDING WITH STAINLESS STEEL.
- 4 CONCRETE THRUST BLOCK SIZED IN ACCORDANCE WITH UBC IF REQUIRED BY AHJ.
- 5 PIPE SLEEVE. SEE SPECIFICATIONS.
- 6 MEGALUG PIPE RESTRAINT HARNESS.

**D2 WATER ENTRY BELOW FOOTING DETAIL**  
SCALE: NOT TO SCALE



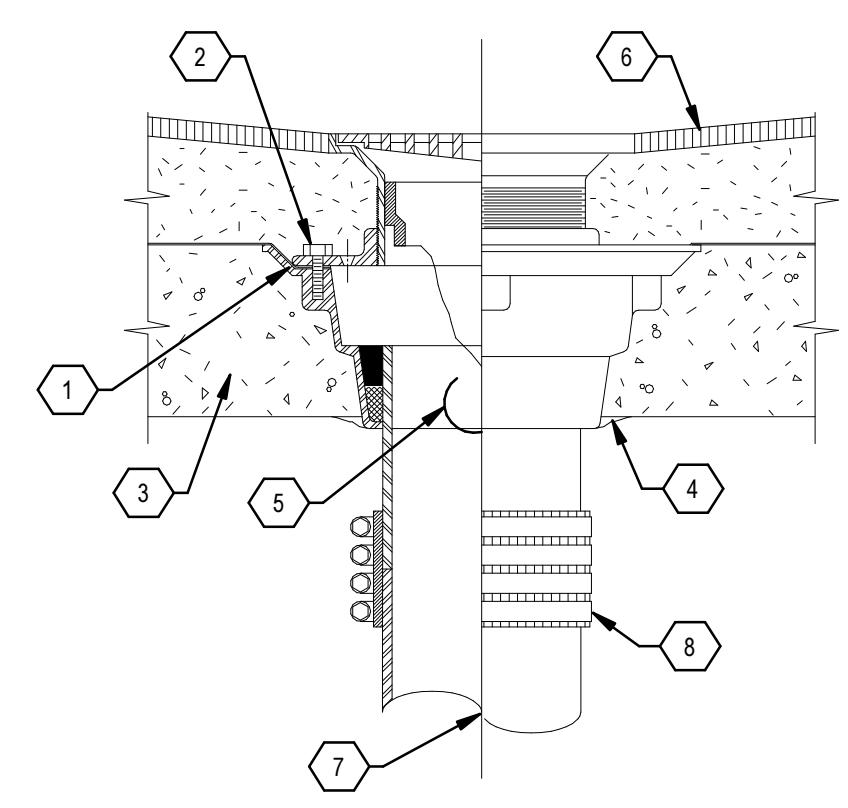
- 1 SERVICE LINE. SEE SPECIFICATIONS FOR PIPE MATERIALS.
- 2 SAME SIZE AS SERVICE LINE, THRU 4" PIPE, MAXIMUM 4" SIZE REQUIRED.
- 3 CAST IRON SOIL PIPE RISER AND FITTINGS.
- 4 COMPACTED EARTH. SEE SPECIFICATIONS.
- 5 CLEANOUT WITH HEAVY DUTY SCORIATED SECURED TOP.
- 6 2" CHAMFER ON ALL COLLARS IN EARTH.
- 7 FINISH HARDSCAPE. SEE SITE PLAN DRAWINGS FOR ELEVATION.
- 8 4" THICK CONCRETE PAD.
- 9 1/8TH BEND.
- 10 WYE FITTING.

**D3 DOUBLE CLEANOUT TO GRADE - DETAIL**  
SCALE: NOT TO SCALE



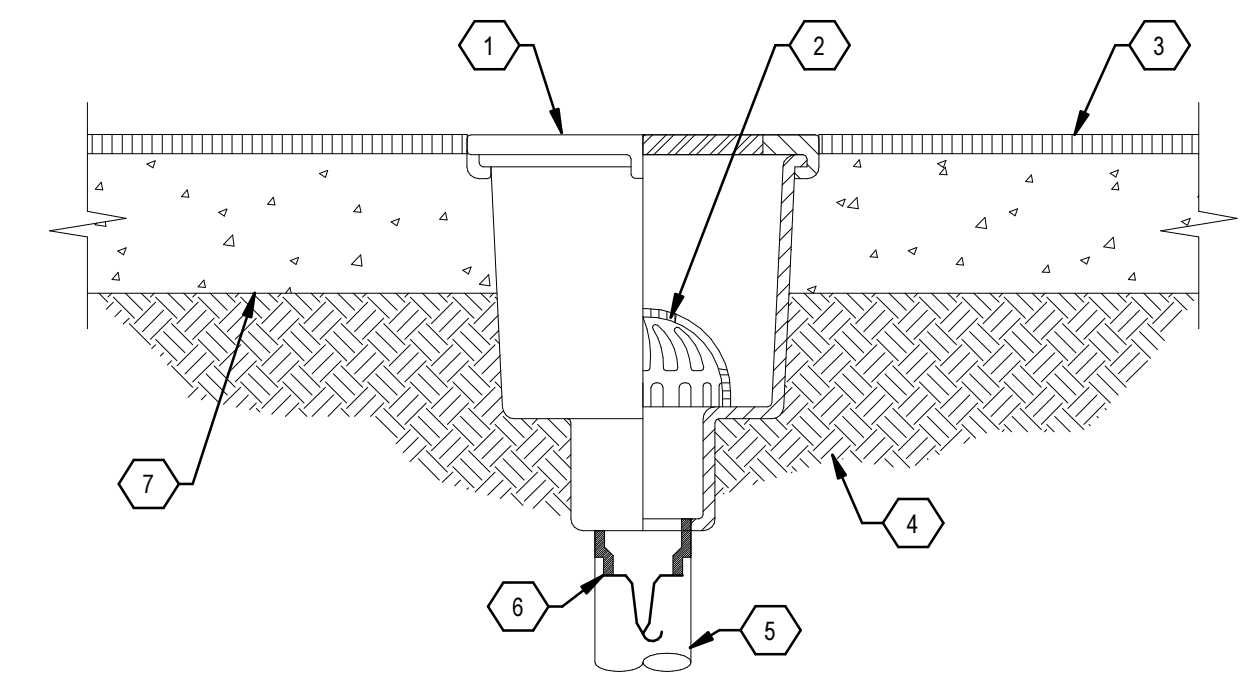
- 1 SERVICE LINE. SEE SPECIFICATIONS FOR PIPE MATERIALS.
- 2 SAME SIZE AS SERVICE LINE, THRU 4" PIPE, MAXIMUM 4" SIZE REQUIRED.
- 3 CAST IRON SOIL PIPE RISER AND FITTINGS.
- 4 COMPACTED EARTH. SEE SPECIFICATIONS.
- 5 CLEANOUT WITH HEAVY DUTY SCORIATED SECURED TOP.
- 6 FINISH HARDSCAPE. SEE SITE PLAN DRAWINGS FOR ELEVATION.
- 7 18"x18"x4" THICK CONCRETE COLLAR.
- 8 1/8TH BEND.
- 9 WYE FITTING.
- 10 2" CHAMFER ON ALL COLLARS IN EARTH.

**D5 CLEANOUT TO GRADE DETAIL**  
SCALE: NOT TO SCALE



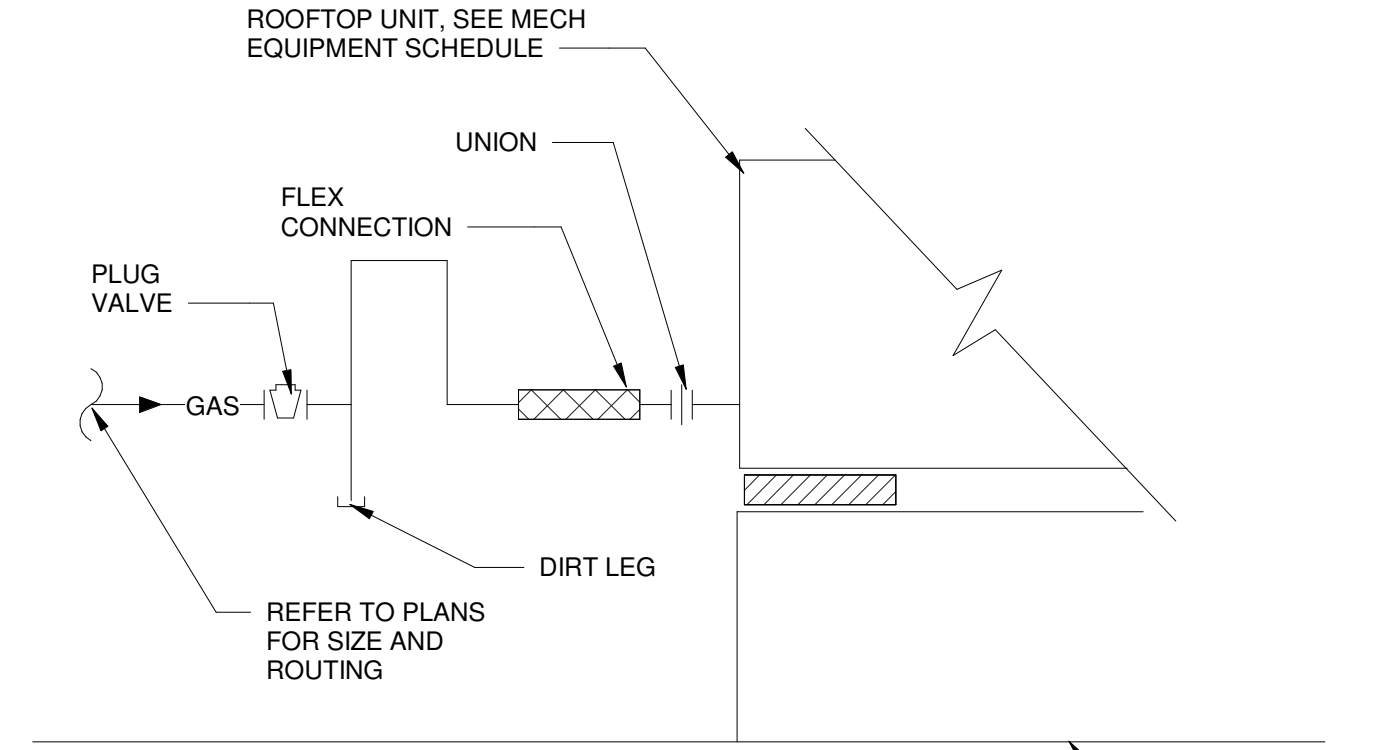
- 1 FLOOR DRAIN WITH ADJUSTABLE STRAINER, DOUBLE DRAINAGE FLANGE AND WEEP HOLES. SEE FLOOR DRAIN SPECIFICATIONS.
- 2 CLAMP TO 24"x24" #4 LEAD SHEET AND WATERPROOFING MEMBRANE (NOT REQUIRED FOR SINGLE POUR CONSTRUCTION).
- 3 CONCRETE FLOOR OF TWO POUR CONSTRUCTION.
- 4 CAULK AS REQUIRED ON INSTALLATION ABOVE GRADE.
- 5 TRAP GUARD WATER SAVING DEVICE SIZED PER DRAIN (IF SPECIFIED).
- 6 FINISHED FLOOR SLOPED IN ACCORDANCE WITH ARCH. DRAWINGS. COORDINATE WITH STRUCTURAL.
- 7 SEE PLUMBING FLOOR PLANS FOR SIZING AND P-TRAP REQUIREMENTS.
- 8 FOUR BAND HEAVY DUTY CLAMP, SEE SPECIFICATIONS.

**C1 FLOOR DRAIN DETAIL (TYPICAL)**  
SCALE: NOT TO SCALE



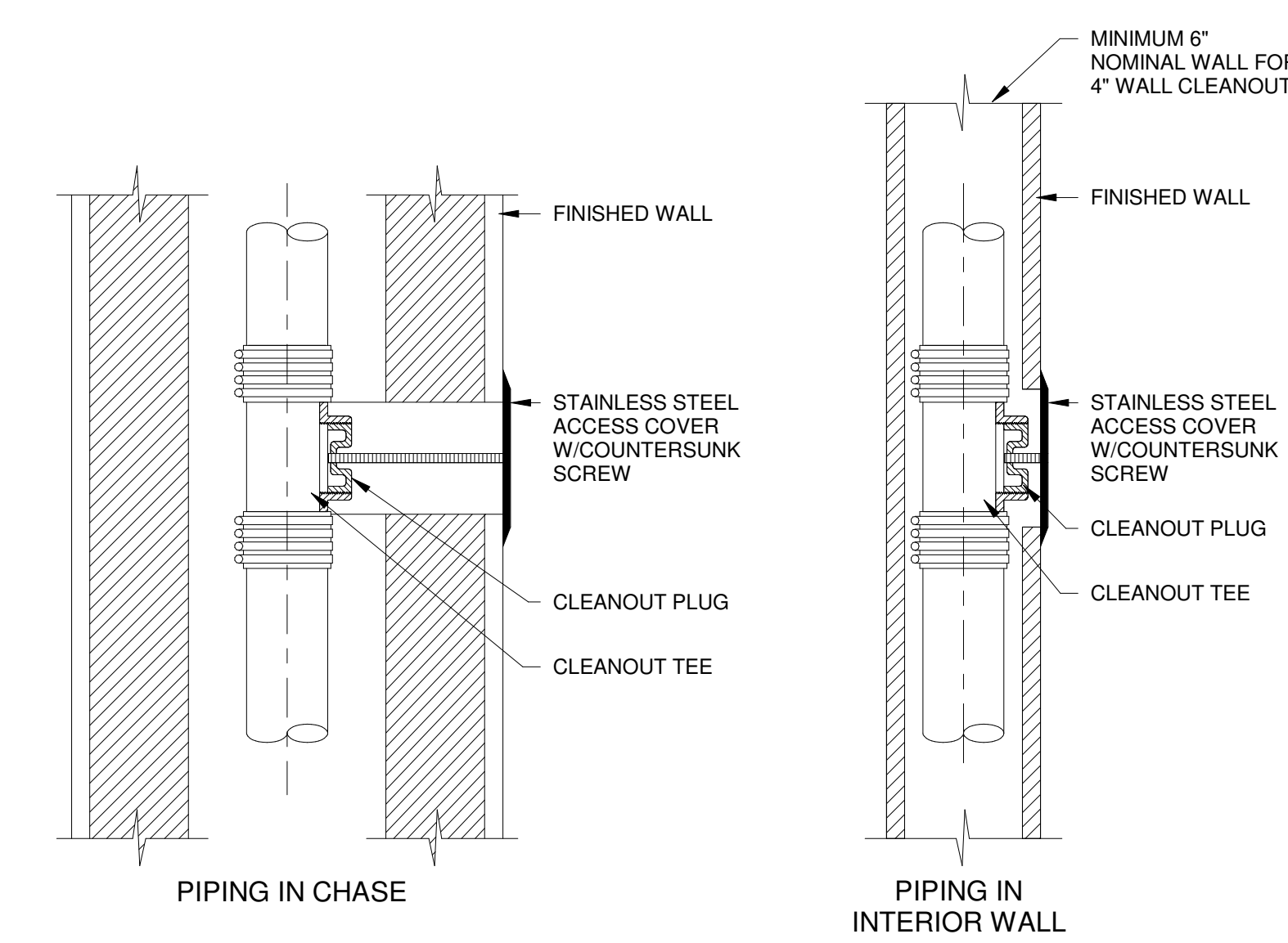
- 1 FLOOR SINK GRATING. SEE FLOOR SINK SPECIFICATIONS.
- 2 DOME STRAINER.
- 3 FINISHED FLOOR.
- 4 COMPACTED EARTH.
- 5 SEE PLUMBING FLOOR PLANS FOR SIZING AND P-TRAP REQUIREMENTS.
- 6 TRAP GUARD WATER SAVING DEVICE (SPECIFIED).
- 7 STRUCTURAL SLAB.

**C2 FLOOR SINK DETAIL (TYPICAL)**  
SCALE: NOT TO SCALE

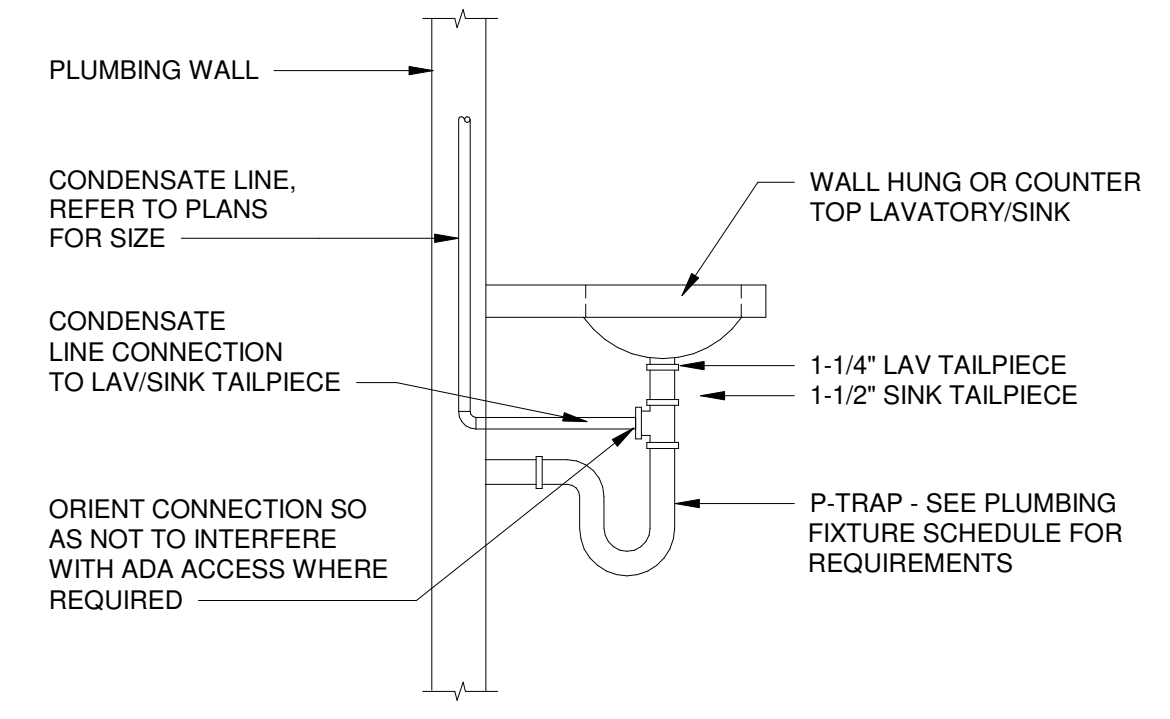


NOTE: ALL NATURAL GAS PIPING COMPONENTS INSTALLED OUTDOORS SHALL BE RATED FOR OUTDOOR INSTALLATION.

**C3 GAS ROOFTOP UNIT CONNECTION DETAIL**  
SCALE: NOT TO SCALE

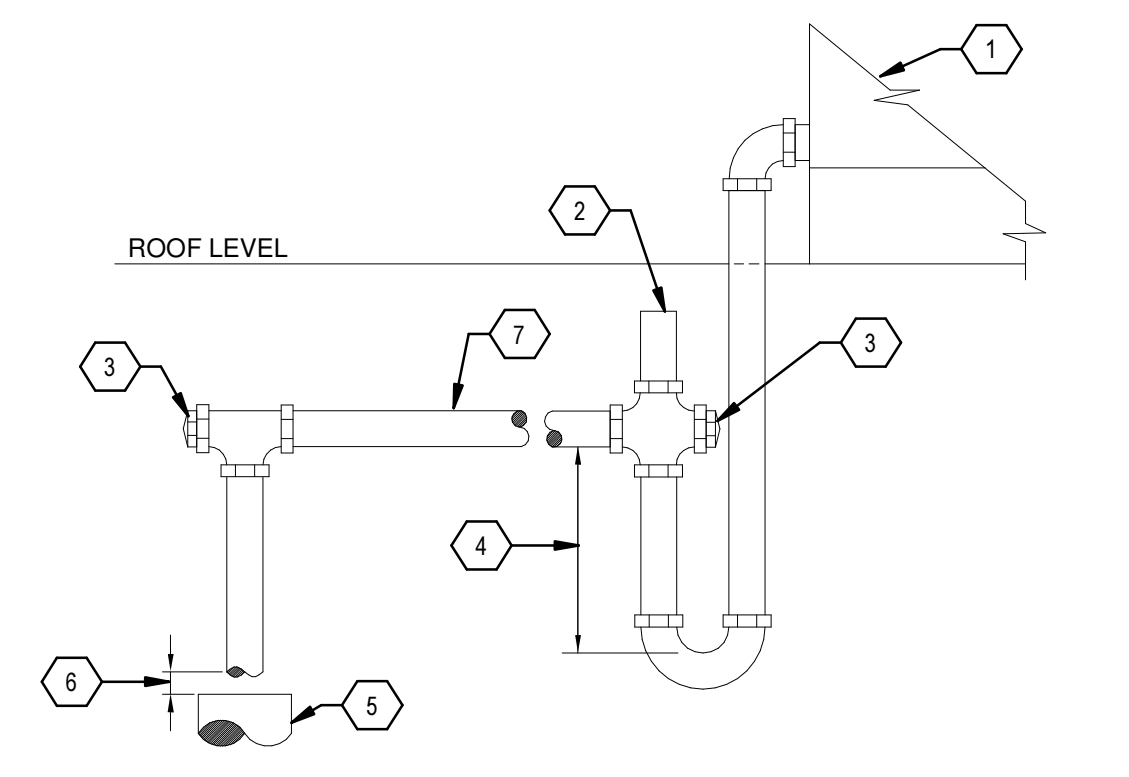


**C5 WALL CLEANOUT DETAIL (TYPICAL)**  
SCALE: NOT TO SCALE



NOTE: WHERE PERMITTED BY THE AHJ, CONDENSATE "POINT OF DISCHARGE" SHALL BE PERMITTED TO DISCHARGE INTO THE TAIL PIECE OF PLUMBING FIXTURES IN THE EVENT THAT A SUITABLE FIXTURE IS NOT AVAILABLE TO RECEIVE SUCH DISCHARGE.

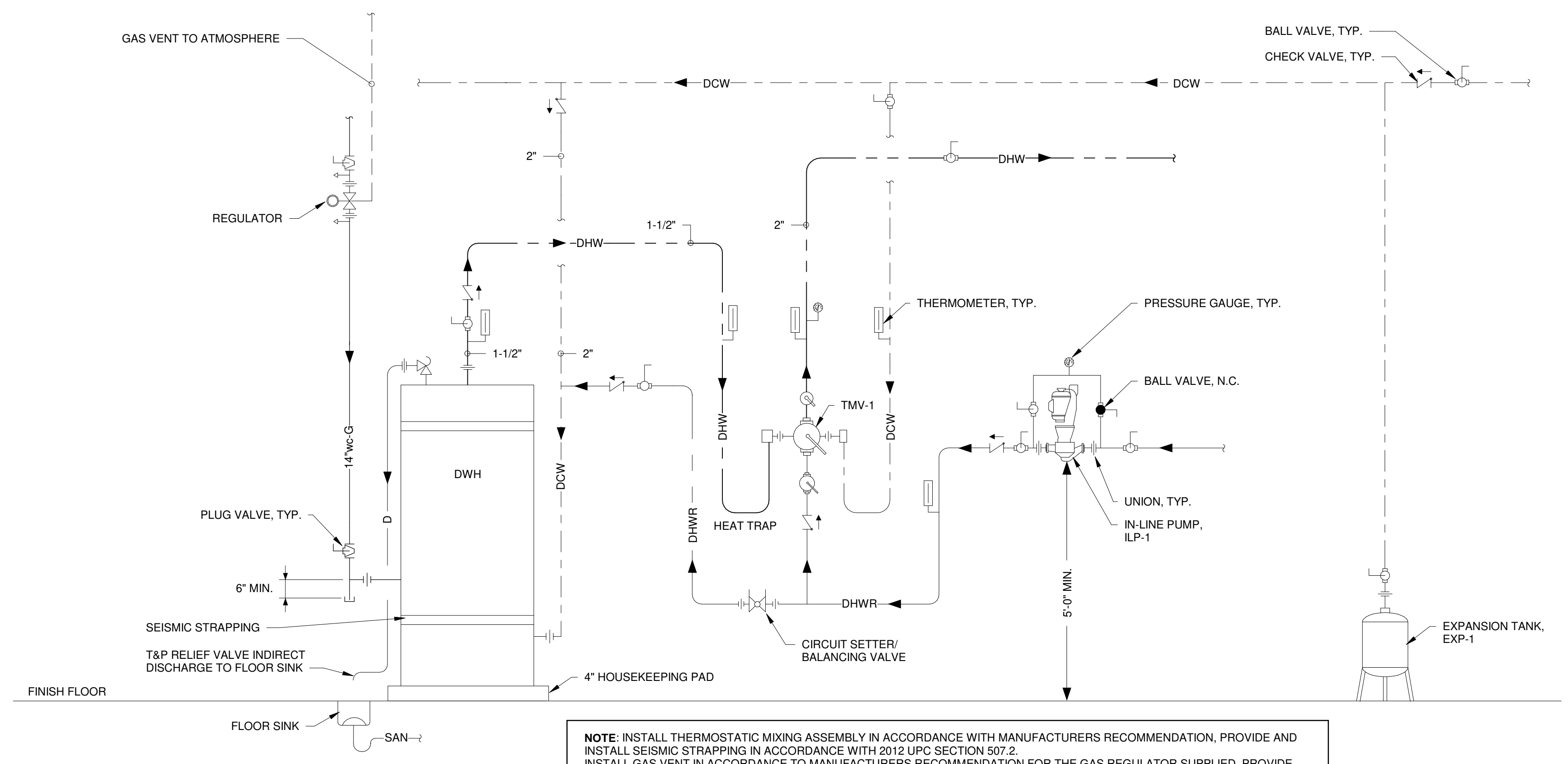
**A1 LAV-SINK CONDENSATE DRAIN CONNECTION**  
SCALE: NOT TO SCALE



- 1 ROOF TOP UNIT. SEE MECH.
- 2 EXTEND VENT AS HIGH AS POSSIBLE.
- 3 CLEANOUT PLUG.
- 4 TRAP SEAL. DEPTH OF SEAL = STATIC PRESSURE (S.P.) DRAW THRU USE 1.5" + S.P. BLOW THRU USE 2" + S.P.
- 5 FLOOR SINK OR MOB BASIN SEE PLANS FOR APPROVED LOCATION.
- 6 INDIRECT CONNECTION 2 x PIPE DIAMETER.
- 7 SLOPE PIPE TOWARDS DRAIN MIN. 1/8" PER FOOT.

DRAIN SIZING					
TONS	≤20	≤40	≤90	≤125	≥250
PIPE DIA.	3/4"	1"	1-1/4"	1-1/2"	2"

**A2 ROOF TOP UNIT DRAIN DETAIL**  
SCALE: NOT TO SCALE



NOTE: INSTALL THERMOSTATIC MIXING ASSEMBLY IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATION, PROVIDE AND INSTALL SEISMIC STRAPPING IN ACCORDANCE WITH 2012 UPC SECTION 507.2. INSTALL GAS VENT IN ACCORDANCE TO MANUFACTURERS RECOMMENDATION FOR THE GAS REGULATOR SUPPLIED, PROVIDE POSITIVE LOCK-UP GAS REGULATOR.

**A3 DOMESTIC WATER HEATER WITH MIXING VALVE DETAIL**  
SCALE: NOT TO SCALE

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Portales Brown Early Childhood Center, Project #S20-008, PSCOC FUNDED



SYMBOL	FIXTURE			TRIM/FAUCET		FLOW/FLUSH RATE	NOTE:
	TYPE	MANUFACTURER	MODEL	MANUFACTURER	MODEL		
P1	WATER CLOSET - FLOOR MTD. - FLUSH VALVE MANUAL	AMERICAN STANDARD	BABY DEVORO 1.6	SLOAN	ROYAL 111-1.6	1.6 GPM	LOW FLOW, HIGH EFFICIENCY TOILET, WHITE VITREOUS CHINA, EVERCLEAN SURFACE, FULLY GLAZED TRAPWAY, 1-1/2" TOP SPUD, ELONGATED BOWL. CARRIER: ZURN, WADE, JOSAM OR SMITH. NOTE: REFER TO ARCHITECTURAL FOR MOUNTING HEIGHTS.
P1a	WATER CLOSET (BARRIER FREE) - FLOOR MTD. - FLUSH VALVE MANUAL	AMERICAN STANDARD	3351.528	SLOAN	ROYAL 111-1.6	1.6 GPM	FLUSH VALVE: MANUAL, EXPOSED, CHROME PLATED, DIAPHRAGM TYPE, LOW CONSUMPTION. SEAT: HEAVY DUTY, OPEN FRONT LESS COVER, SOLID PLASTIC, WHITE, MFG: BEMIS 1655SCT/CHURCH 9500SSC, AMERICAN STANDARD # 5901.100SS OR EQUAL.
P2	URINAL - WALL MTD. - FLUSH VALVE	AMERICAN STANDARD	K-4904-ET	SLOAN	ROYAL 186-0.5	1.0 GPF	MANUAL, EXPOSED, CHROME PLATED, LOW FLOW. SEAT: HEAVY DUTY, OPEN FRONT LESS COVER, SOLID PLASTIC, WHITE, MFG: CHURCH 9500SSC OR EQUAL.
P3	LAVATORY (BARRIER FREE) - WALL MTD.	KOHLER	KINGSTON K-2005	ZURN	Z6915XL	0.5 GPM	LOW FLOW, HIGH EFFICIENCY URINAL, WHITE VITREOUS CHINA, 3/4" TOP SPUD, WASHOUT FLUSH ACTION. FLUSH VALVE: MANUAL, EXPOSED, CHROME PLATED. CARRIER: ZURN, WADE, JOSAM OR SMITH. NOTE: REFER TO ARCHITECTURAL FOR MOUNTING HEIGHTS.
P3a	LAVATORY (BARRIER FREE) - WALL MTD.	KOHLER	KINGSTON K-2005	ZURN	Z6915XL	0.5 GPM	WALL MOUNT, SEAMLESS ONE PIECE LAVATORY WITH COVER BACKSPLASH AND ACCESSORIES. FAUCET: MANUAL, LEVER HANDLES, CHROME PLATED CAST BRASS BODY, TWO HOLE, 4" CENTERS, HOT AND COLD WATER INDEX LEVER HANDLES, 1/2" NPSM SUPPLY INLETS, CER-TEC CARTRIDGES, PROVIDE OMNI 0.5 GPM SOFT SPRAY DEVICE.
P4	SINK - SINGLE COMPARTMENT WITH BUBBLER	ELKAY	CDKR2517C	ELKAY	LKD208513LC	0.5 GPM	MIXING VALVE: ASSE 1070 MIXING VALVE SET TO 105 DEGREE. MFG: WATTS MODEL LFUG-B UNDER SINK. PROVIDE: BRADLEY 289-1039 D-ASSY DRAIN, STRAINER AND TAILPIECE, 1/2" O.D. 1/4" TURN BALL STOPS WITH 3/8" O.D. STAINLESS STEEL FLEX RISERS, 1-1/2" TUBULAR ADJUSTABLE P-TRAP, 17 GAUGE, POLISHED CHROME.
P4a	SINK - DOUBLE COMPARTMENT	ELKAY	CR3322	CHICAGO FAUCETS	786-GR8AE35V317AB	0.5 GPM	NOTE: REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.
P4b	SINK - NURSE - DOUBLE COMPARTMENT	ELKAY	LRAD29186SPDMR2	CHICAGO FAUCETS	786-GR8AE35V317AB	0.5 GPM	CARRIER: WALL HUNG LAVATORIES AND SINKS SHALL BE PROVIDED WITH FLOOR MOUNTED, CONCEALED ARM TYPE CHAIR CARRIERS, SINGLE OR DOUBLE (BACK-TO-BACK) UNITS. PROVIDE: INTEGRAL STAINLESS STEEL STRAINER DRAIN, HOSE AND BRACKET, 30" LONG FLEXIBLE HEAVY DUTY 3/8" RUBBER HOSE, MFG: FIAT NO. 832 4A. MOP BRACKET, 24" LONG X 6" WIDE. STAINLESS STEEL WITH THREE RUBBER GRIPS, MFG: FIAT NO. 889 CC.
P5	SERVICE SINK	FIAT PRODUCTS	TSB3012	CHICAGO FAUCETS	897-CCP	2.5 GPM	SELF-CONTAINED, WALL MOUNT SENSOR ACTIVATED ELECTRIC WATER COOLER, REFRIGERATED CHILLING CAPACITY OF 8 GALLONS PER HOUR OF 50°F DRINKING WATER, BASED UPON 80°F INLET WATER AND 90°F AMBIENT. VISUAL FILTER MONITOR, LEAD FREE, FLEXI-GUARD SAFETY BLURBER, GALVANIZED STEEL CHASSIS SUPPORT. NOTE: PROVIDE WITH 3 WIRE GROUNDING TYPE CORD AND PLUG, UL LISTED.
P6	ELECTRIC WATER COOLER W/BOTTLE FILLER	ELKAY	EZS8WSSK	-	-	8 GPH	PROVIDE HAND-HELD SHOWER HEAD WITH 59" HOSE THAT CAN BE USED BOTH AS A FIXED-POSITION SHOWER HEAD AND AS A HAND-HELD SHOWER. SHOWER CONTROLS MUST REQUIRE LESS THAN 5 LB OF PRESSURE WITH NO GRASPING.
P6a	DRINKING FOUNTAIN (BARRIER FREE)	ELKAY	LVRCD5	-	-	8 GPH	
P8	SHOWER	BUILT-UP TILE PER ARCHITECT'S SPECIFICATIONS, SHOWER TRIM AS SPECIFIED	-	XXXX	XXXX	1.5 GPM	
P9	SUPPLY BOX - REFRIGERATOR	GUY GRAY	MB1AB	-	-	-	
P10	WATER HAMMER ARRESTOR	PRECISION PLUMBING PRODUCTS	-	-	-	-	

NATURAL GAS SIZING CRITERIA						
TOTAL LENGTH = 235 FEET X 1.3 (FOR MISC. FITTINGS) = "TDL" TOTAL DEVELOPED LENGTH (TDL) = 350 FEET				PIPING SIZED PER CHAPTER 4 OF THE 2015 INTERNATIONAL FUEL GAS CODE		
GAS PRESSURE LEAVING REGULATOR = 14" W.C. (2 PSI ENTERING MAIN REGULATOR)						
TOTAL DESIGN LOAD = 2056 CFH						
NATURAL GAS DEMAND LOAD						
SYMBOL	QUANTITY	INPUT BTU/H	ELEVATION	MBH	MBH PER CFH	CFH
DWH-1	1	12000.0	4200	120	0.832	144
RTU-1	1	7200.0	4200	72	0.832	87
RTU-2	1	7200.0	4200	72	0.832	87
RTU-3	1	7200.0	4200	72	0.832	87
RTU-4	1	7200.0	4200	72	0.832	87
RTU-5	1	7200.0	4200	72	0.832	87
RTU-6	1	7200.0	4200	72	0.832	87
RTU-7	1	7200.0	4200	72	0.832	87
RTU-8	1	7200.0	4200	72	0.832	87
RTU-9	1	7200.0	4200	72	0.832	87
RTU-10	1	7200.0	4200	72	0.832	87
RTU-11	1	12500.0	4200	125	0.832	150
RTU-12	1	7200.0	4200	72	0.832	87
RTU-13	1	7200.0	4200	72	0.832	87
RTU-14	1	15000.0	4200	150	0.832	180
RTU-15	1	15000.0	4200	150	0.832	180
RTU-16	1	11500.0	4200	115	0.832	138
RTU-17	1	7200.0	4200	72	0.832	87
RTU-18	1	11500.0	4200	115	0.832	138
TOTAL:		1711000.0		1711		2056

PLUMBING ROUGH-IN SCHEDULE							
SYMBOL	FIXTURE	ROUGH-IN SIZE			VENT	TRAP	REMARKS
		CW	HW	WASTE			
P1	WATER CLOSET - FLOOR MTD. - FLUSH VALVE MANUAL	1"	-	4"	2"	INTEGRAL	ELONGATED BOWL, VITREOUS CHINA, 1-1/2" TOP SPUD. NOTE: REFER TO ARCHITECTURAL FOR MOUNTING HEIGHTS.
P1a	WATER CLOSET (BARRIER FREE) - FLOOR MTD. - FLUSH VALVE MANUAL	1"	-	4"	2"	INTEGRAL	ELONGATED BOWL, VITREOUS CHINA, 1-1/2" TOP SPUD. NOTE: REFER TO ARCHITECTURAL FOR MOUNTING HEIGHTS.
P2	URINAL - WALL MTD. - FLUSH VALVE	3/4"	-	2"	2"	INTEGRAL	WHITE VITREOUS CHINA, 3/4" TOP SPUD. NOTE: REFER TO ARCHITECTURAL FOR MOUNTING HEIGHTS.
P3	LAVATORY (BARRIER FREE) - WALL MTD.	1/2"	1/2"	1-1/2"	1-1/2"	1-1/4" X 1-1/2"	THREE HOLE, WHITE VITREOUS CHINA, 21-1/4" X 18-1/8". REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.
P3a	LAVATORY (BARRIER FREE) - WALL MTD.	1/2"	1/2"	1-1/2"	1-1/2"	1-1/4" X 1-1/2"	THREE HOLE, WHITE VITREOUS CHINA, 21-1/4" X 18-1/8". REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.
P4	SINK - SINGLE COMPARTMENT WITH BUBBLER	1/2"	1/2"	1-1/2"	1-1/2"	1-1/4" X 1-1/2"	XXX
P4a	SINK - DOUBLE COMPARTMENT	1/2"	1/2"	1-1/2"	1-1/2"	1-1/4" X 1-1/2"	XXX
P4b	SINK - NURSE - DOUBLE COMPARTMENT	1/2"	1/2"	1-1/2"	1-1/2"	1-1/4" X 1-1/2"	XXX
P5	SERVICE SINK	1/2"	1/2"	3"	1-1/2"	3"	FLOOR MOUNTED, TERRAZZO, 36"x36"x12" DEEP, 3" DRAIN. PROVIDE: 3" CAST IRON P-TRAP.
P6	ELECTRIC WATER COOLER W/BOTTLE FILLER	1/2"	-	2"	1-1/2"	1-1/4" X 1-1/2"	8" LEVEL, WALL MOUNTED, SENSOR OPERATED BOTTLE FILLER, VANDAL RESISTANT, HEAVY-DUTY, GALVANIZED FRAME SHALL SUPPORT 14 GAUGE STAINLESS STEEL EXTERIOR PANELS, 8 GPH CAPACITY AT 90 DEGREE AMBIENT AND 50 DEGREE WATER OUTLET, FLEXI-GUARD STREAM SAVER. NOTE: PROVIDE WITH 3 WIRE GROUNDING TYPE CORD AND PLUG, UL LISTED. 115V/1PH/60HZ.
P6a	DRINKING FOUNTAIN (BARRIER FREE)	1/2"	-	2"	1-1/2"	1-1/4" X 1-1/2"	8" LEVEL, WALL MOUNTED, BARRIER FREE COOLER, SENSOR OPERATED BOTTLE FILLER, VANDAL RESISTANT, HEAVY-DUTY, GALVANIZED FRAME SHALL SUPPORT 14 GAUGE STAINLESS STEEL EXTERIOR PANELS, 8 GPH CAPACITY AT 90 DEGREE AMBIENT AND 50 DEGREE WATER OUTLET, FLEXI-GUARD STREAM SAVER. NOTE: PROVIDE WITH 3 WIRE GROUNDING TYPE CORD AND PLUG, UL LISTED. 115V/1PH/60HZ.
P8	SHOWER	1/2"	1/2"	2"	1-1/2"	2"	PROVIDE: PAN LINER SHALL BE FURNISHED BY PLUMBING CONTRACTOR. 2" SHOWER DRAIN (SEE DRAIN SCHEDULE), 2" CAST IRON P-TRAP.
P9	SUPPLY BOX - REFRIGERATOR	1/2"	-	-	-	-	SPACE SAVER DESIGNED FOR ICEMAKER HOOK-UP. ROUGH OPENING: 10"Wx8-3/4"Hx3-1/2"D. VALVE: COMPRESSION ANGLE VALVE 1/2" FIP INLET 1/4" OUTLET
P10	WATER HAMMER ARRESTOR	1/2"	-	-	-	-	IN-LINE, PISTON TYPE, TYPE 1" CORNER BARREL WITH CAP ATTACHED WITH 95-5 SOLDER, LOW LEAD BRASS, EPDM O' RINGS, 0 TO 200 PSIG MAX. OPERATING PRESSURE. 1" LINE SIZE, 1-11 FIXTURE UNITS

FLOOR DRAIN SPECIFICATIONS				
SYMBOL	MANUFACTURER	MODEL	VENT	REMARKS:
FD1	JAY R. SMITH	2005	2"	SQUARE TOP, CAST IRON BODY, CLAMPING DEVICE, 6" DIAMETER NICKEL BRONZE STRAINER, DEEP SEAL P-TRAP. SERVICE GENERAL PURPOSE RESTROOMS, LOCKER ROOMS, ETC. SIZE AS INDICATED ON DRAWINGS. PROVIDE SURE SEAL IN-LINE TRAP SEAL, SIZE AND TYPE TO FIT DRAIN.
FS1	ZURN	Z-1900	2"	CAST IRON BODY WITH WHITE ACID RESISTING ENAMEL BODY INTERIOR, SLOTTED 3/4" LOOSE SET GRATE ALUMINUM ANTI-SPASH DOME STRAINER, (DEEP SEAL P-TRAP MFG: ZURN Z1000). DIAMETER OF OUTLET AS SHOWN ON DRAWINGS. PROVIDE WITH SURE SEAL IN-LINE TRAP SEAL, SIZE AND TYPE TO FIT DRAIN.

WATER HEATER SCHEDULE														
SYMBOL	MANUFACTURER	MODEL NO.	LOCATION	SERVICE	SET POINT (DEGREES)	FUEL	EFFICIENCY	STORAGE VOLUME (GAL.)	INPUT (BTU/H)	ELEVATION	OPERATION WEIGHT	HOT WATER RECOVERY		REMARKS
												RATE (GPH)	Δ T °F	
DWH-1	A.O. SMITH	BTH-120	MECH	DOMESTIC HW	140	NATURAL GAS	97%	60	120,000	4,200	1385	138	100	SEE TMV-1 SEE EXP-1

THERMOSTATIC MIXING VALVE SCHEDULE										
SYMBOL	MANUFACTURER	MODEL NO.	LOCATION	SERVICE	OUTLET TEMPERATURE	INLET PIPE SIZE	OUTLET PIPE SIZE	RETURN PIPE SIZE	SYSTEM FLOW & PRESSURE DROP	REMARKS
TMV-1	LEONARD	TM-420B-LF-DT-IT-TC	MECH	DOMESTIC HW	120°	2"	2"	3/4"	18 GPM @ 10 PSI	

EXPANSION TANK SCHEDULE								
SYMBOL	MANUFACTURER	MODEL NO.	SERVICE	DESIGN DEG °F	TANK VOLUME (GAL.)	TANK ACCEPTANCE (GAL.)	WEIGHT (LBS.)	REMARKS
EXP-1	AMTROL	ST-12C	DOMESTIC HW	140	6.4	1.5	17	

PLUMBING PUMP SCHEDULE														
SYMBOL	MANUFACTURER	MODEL NO.	LOCATION	SERVICE	TYPE	CAPACITY			PUMP (RPM)	MOTOR (HP)	ELECTRICAL			
						GPM	TOTAL FT. HD.	PUMP			V	PH	HZ	FLA
ILP-1	BELL & GOSSETT	PL130B	MECH	BROWN ECC	IN-LINE	5	15	2650	1/12	115	1	60	1.4	3/4" NPT CONNECTION, LEAD FREE

HEATED ENCLOSURE SCHEDULE													
SYMBOL	MANUFACTURER	MODEL NO.	LOCATION	SERVICE	NUMBER OF HEATERS	ELECTRICAL					INTERIOR DIMENSION	PAD SIZE	REMARKS
						V	PH	HZ	WATTS	PAD SIZE			
HE-1	SAFE-T COVER	600TLU880-AL	ON-SITE	FIRE PROTECTION	1	120	1	60	2000	44x38x48	58x52x6		

BACKFLOW PREVENTER SCHEDULE							
SYMBOL	MANUFACTURER	MODEL	LOCATION	SERVICE	TYPE	PIPE SIZE	REMARKS
BFP-1	FEDCO	LF870V	HE-1	FIRE PROTECTION	N PATTERN	6	

Portales Brown Early Childhood Center, Project #S20-008, PSFCC FUNDED

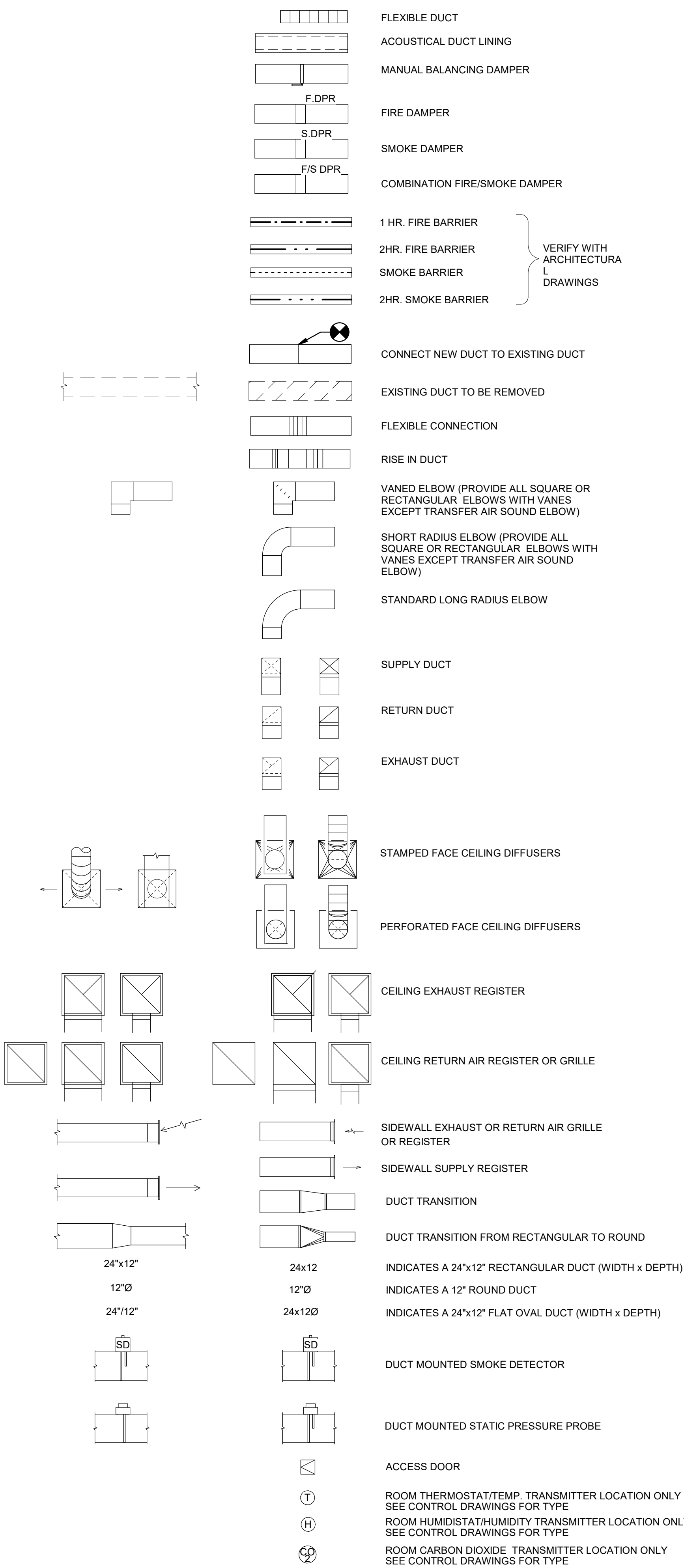
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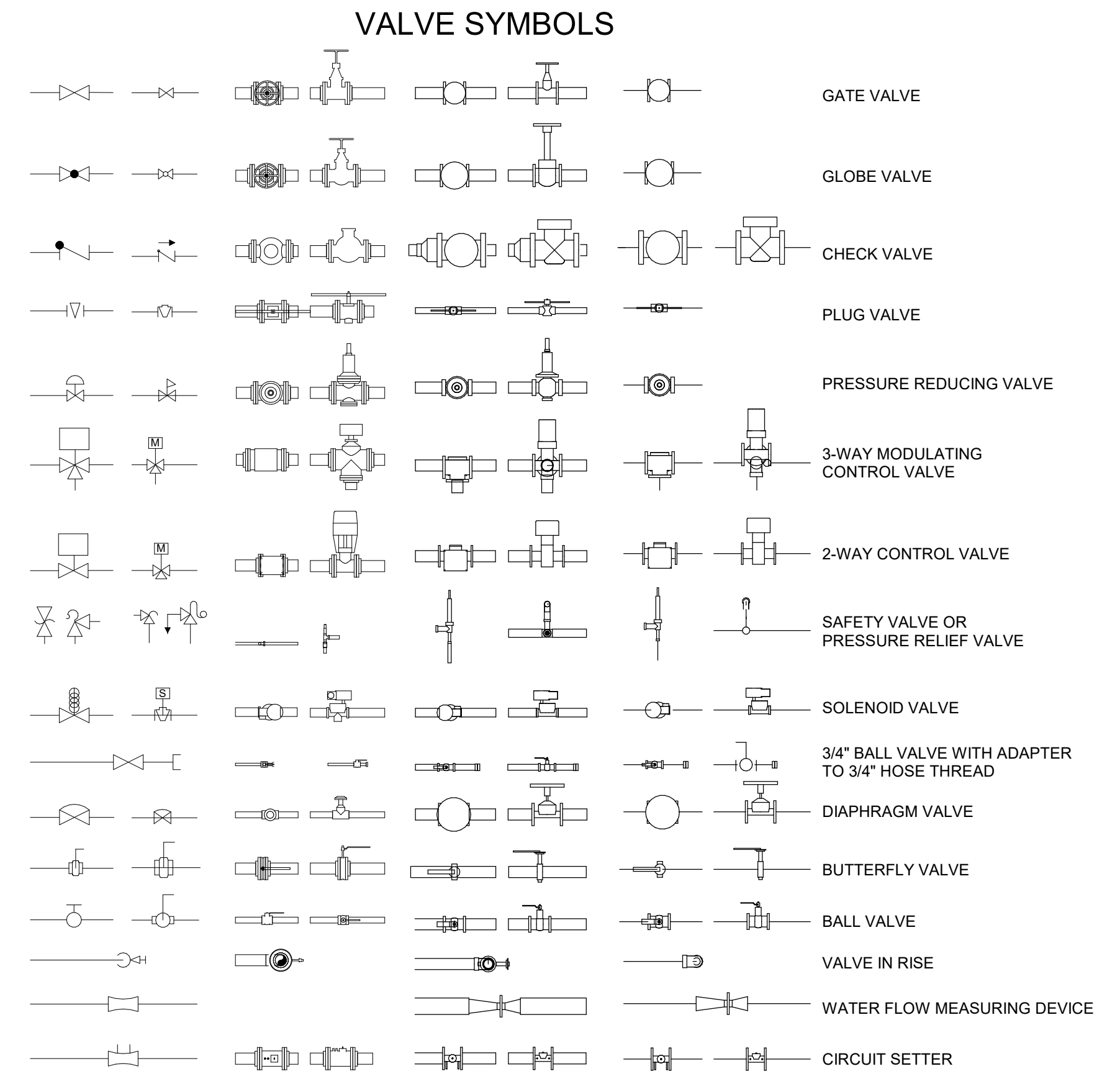
ABBREVIATIONS

Table of abbreviations including ACU (AIR CONDITIONING UNIT), AD (ACCESS DOOR), AFF (ABOVE FINISHED FLOOR), AHU (AIR HANDLING UNIT), AL (ACOUSTICAL LINING), BHP (BRAKE HORSEPOWER), BOD (BOTTOM OF DUCT), BOP (BOTTOM OF PIPE), BTU (BRITISH THERMAL UNIT), BTUH (BTU PER HOUR), CA (COMPRESSED AIR), CD (CONDENSATE DRAIN), CFM (CUBIC FEET PER MINUTE), CONT. (CONTINUATION), D (DRAIN), DX (DIRECT EXPANSION), ENT (ENTERING), EXH (EXHAUST), EMCS (ENERGY MANAGEMENT CONTROL SYSTEM), °F (DEGREES FAHRENHEIT), FB (FLAT BOTTOM), FCU (FAN COIL UNIT), FD (FLOOR DRAIN), F.G. (FILTER GAUGE), FLEX (FLEXIBLE), FPM (FEET PER MINUTE), FS (FLOOR SINK), FT (FLAT TOP), FT. (FEET), GPH (GALLONS PER HOUR), GPM (GALLONS PER MINUTE), HB (HOSE BIBB), HD (HAND DAMPER (VOLUME DAMPER)), HEPA (HIGH EFFICIENCY PARTICULATE AIR (FILTER)), IN (INCHES), KW (KILOWATT), KWH (KILOWATT HOUR), MA (MAIN AIR (CONTROLS)), MCC (MOTOR CONTROL CENTER), NA (NOT APPLICABLE), NIC (NOT IN CONTRACT), NO. (NUMBER (QUANTITY)), OA (OUTSIDE AIR), OBD (OPPOSED BLADE DAMPER), PRV (PRESSURE REDUCING VALVE), PSIG (POUNDS PER SQUARE INCH GAGE), QTY (QUANTITY), QUAD (QUADRANT), R.A. (RETURN AIR), Rh (RELATIVE HUMIDITY), RPM (REVOLUTIONS PER MINUTE), SCD (SMOKE CONTROL DAMPER), SP (STATIC PRESSURE (INCHES OF WATER)), SDVV (SINGLE DUCT VARIABLE VOLUME), ST (SOUND TRAP), TOPT (TOP OF PIPE TRAPEZE), TP (TOTAL PRESSURE (INCHES OF WATER)), TYP. (TYPICAL), V (VOLTS), VAC (VOLTS, ALTERNATING CURRENT), VAV (VARIABLE AIR VOLUME), VEL (VELOCITY), VTR (VENT THRU ROOF).

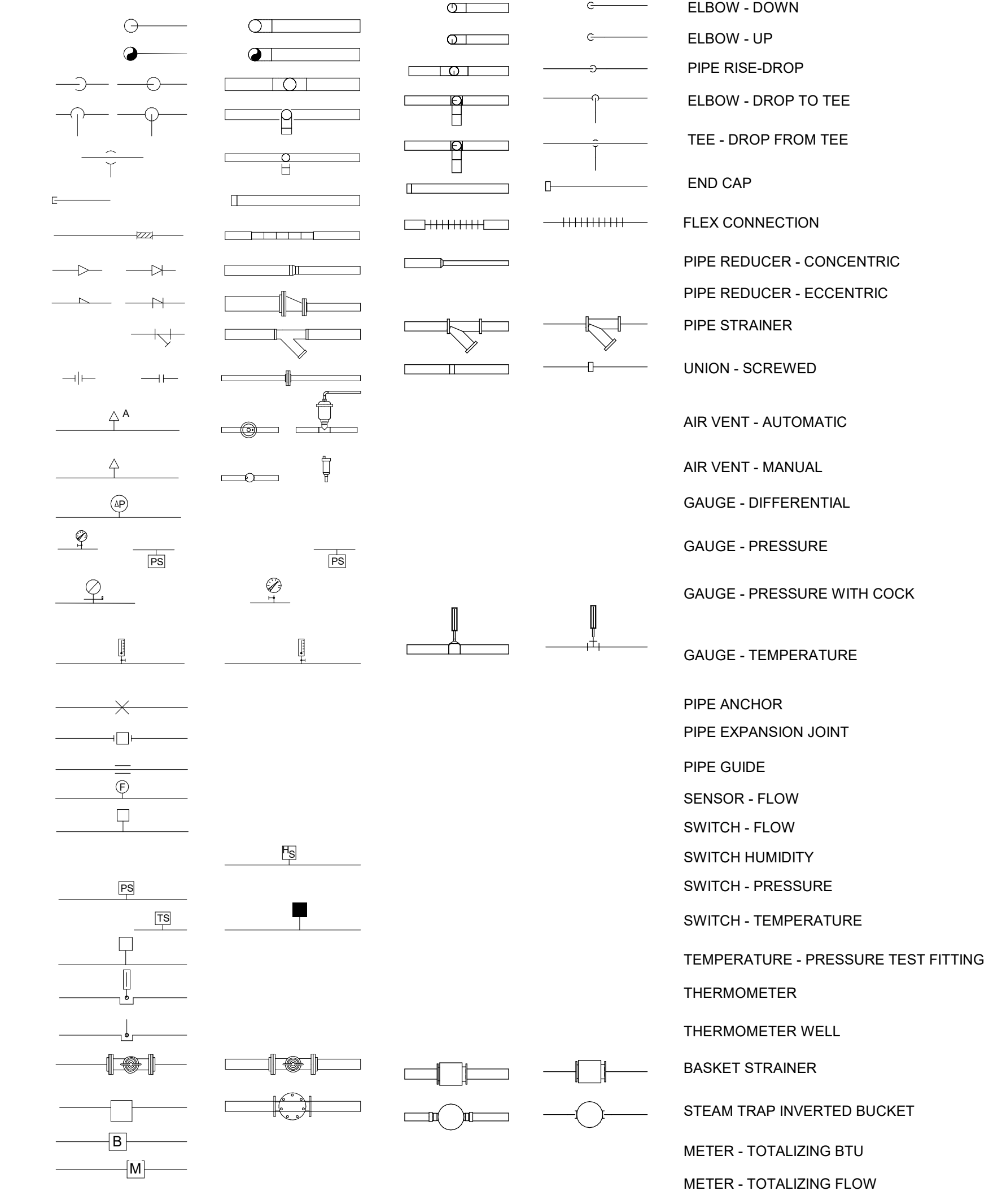
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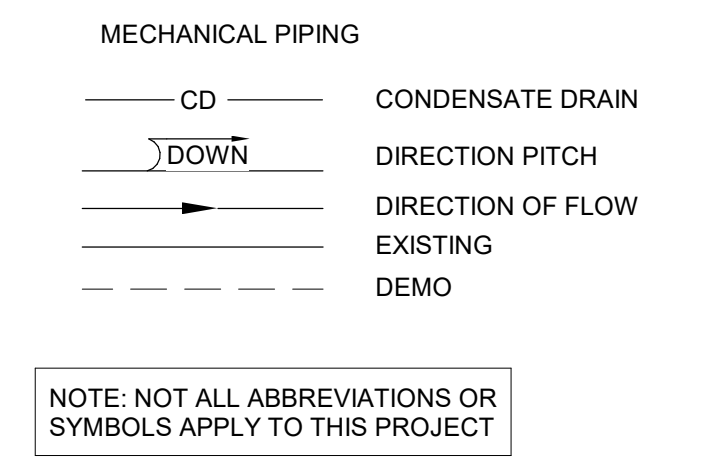
MECHANICAL SYMBOL LEGEND



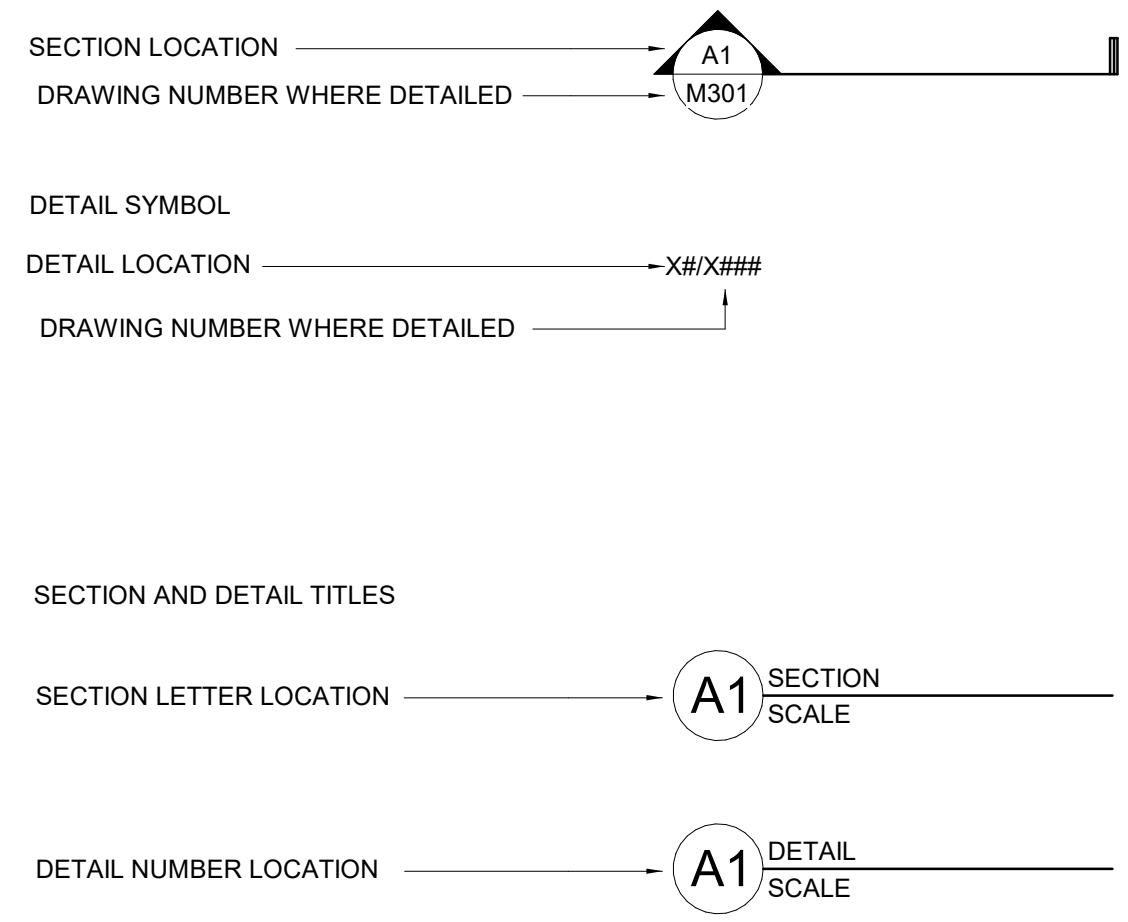
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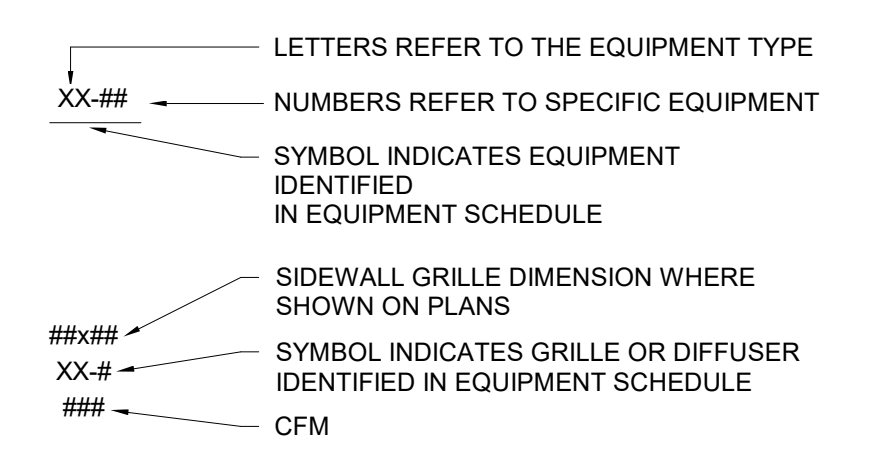
PIPING SYMBOLS



SECTION SYMBOL



EQUIPMENT SYMBOLS



GENERAL NOTES

- A. ALL PIPING AND DUCTS IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN FURRED CHASES OR SUSPENDED CEILINGS, UNLESS OTHERWISE NOTED.
- B. PROVIDE ACCESS PANELS OR DOORS IN INACCESSIBLE CEILINGS AND/OR CHASES FOR ALL VALVES, TRAPS, DAMPERS, CLEANOUTS, COILS, FANS, CONTROLS, ETC. THEY SHALL BE FURNISHED UNDER DIVISION 23 AND INSTALLED UNDER THE ARCHITECTURAL SPECIFICATION. ACCESS DOOR RATING SHALL MATCH CLASSIFICATION OF WALL AND CEILING FIRE RATING.
- C. COORDINATE THE LOCATION OF ALL DIFFUSERS, GRILLES, REGISTERS, ACCESS DOORS, ETC., WITH THE ARCHITECTURAL REFLECTED CEILING PLAN(S).
- D. ALL ROUND RUNOUTS AND DROPS TO DIFFUSERS SHALL BE THE SAME NOMINAL SIZE AS THE SCHEDULED DIFFUSER NECK SIZE.
- E. THE FIRST FIGURE OF DUCT SIZE INDICATES DIMENSION OF FACE SHOWN OR INDICATED. ALL DUCT SIZES SHOWN ON DRAWINGS ARE NET INSIDE DIMENSIONS. PROVIDE ONE INCH ACOUSTICAL LINING (TYPE D3 INSULATION) IN LOW VELOCITY RECTANGULAR DUCTWORK FOR THE FIRST 10 DIAMETERS OF DUCTWORK CONNECTED TO DEVICE, OR AS INDICATED ON DRAWINGS, WHICHEVER IS GREATER. FOR THE REMAINDER OF THIS DUCTWORK PROVIDE AS INDICATED IN THE INSULATION SPECIFICATIONS.
- F. PROVIDE TURNING VANES IN ALL SQUARE ELBOWS, EXCEPT TRANSFER AIR SOUND ELBOWS.
- G. CONTRACTOR SHALL COORDINATE ALL DUCTWORK, PIPING, PLUMBING AND FIRE PROTECTION PIPING WITH STRUCTURAL AND ELECTRICAL SYSTEMS AND SHALL PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS AND TO MAINTAIN EQUIPMENT ACCESS AND SERVICEABILITY.
- H. CONTRACTOR SHALL COORDINATE THE SHUTDOWN OF EXISTING BUILDING SERVICES FOR REMOVALS WITH OWNER AUTHORIZED REPRESENTATIVE AND SHALL CONFORM TO THEIR REQUIREMENTS.
- I. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL TRADES INCLUDING MECHANICAL, PLUMBING, ELECTRICAL, FURNITURE, AND ARCHITECTURAL. ANY DISCREPANCIES SHALL BE REPORTED IMMEDIATELY TO THE ARCHITECT PRIOR TO START OF WORK.
- J. ALL NEW TO EXISTING DUCT CONNECTIONS SHALL BE FIELD VERIFIED PRIOR TO ORDERING AND FABRICATING NEW DUCTWORK OR DAMPERS.

GENERAL DEMO NOTES

- A. THE DEMOLITION DRAWINGS REFLECT INFORMATION ON EXISTING BUILDING SERVICES GATHERED BY SITE INSPECTION, DISCUSSIONS WITH MAINTENANCE PERSONNEL AND PREVIOUS CONSTRUCTION DRAWINGS. THE EXACT LOCATION, ARRANGEMENT, AND SIZES OF PIPE LINES AND DUCTWORK IN THE EXISTING BUILDING MAY BE DIFFERENT FROM THAT SHOWN ON THESE DRAWINGS.
- B. THE CONTRACTOR SHALL COORDINATE THE SHUTDOWN OF EXISTING BUILDING SERVICES FOR REMOVALS WITH OWNER AUTHORIZED REPRESENTATIVE AND SHALL CONFORM TO THEIR REQUIREMENTS.
- C. DISRUPTION OF NORMAL FACILITY ACTIVITIES ARE TO BE KEPT TO AN ABSOLUTE MINIMUM. DUST, DEBRIS, AND FUMES SHALL BE CONTROLLED SO AS NOT TO AFFECT THE HEALTH AND SAFETY OF OCCUPIED AREAS WITHIN THE FACILITY WHICH ARE OUTSIDE THE AREA OF WORK. COORDINATE WITH THE ARCHITECT AND THE OWNER'S REPRESENTATIVE WITH REGARD TO ALL ACTIVITIES TO BE CONDUCTED OUTSIDE OF THE SUITE REMODEL AREA WHICH MAY AFFECT THE OPERATION OF THE FACILITY.
- D. THE CONTRACTOR SHALL PROVIDE TEMPORARY VENTILATION (MAINTAIN WORK ZONE AT NEGATIVE PRESSURE), FILTRATION, AIR PURIFIERS, DUST SCREENS, ETC. FOR ALL WORK AREAS AFFECTED BY DEMOLITION FOR NEW INSTALLATION TO MINIMIZE DUST AND FUMES.
- E. THE CONTRACTOR SHALL PRESENT AN AREA BY AREA WORK PLAN WELL IN ADVANCE TO THE ARCHITECT AND THE OWNER'S AUTHORIZED REPRESENTATIVE FOR APPROVAL PRIOR TO BEGINNING WORK. THE WORK PLAN SHALL INCLUDE AN OUTLINE OF ALL ACTIVITIES OF ALL SUBCONTRACTORS. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S AUTHORIZED REPRESENTATIVE TO ESTABLISH ACCEPTABLE ROUTING AND ACCESS WITHIN THE FACILITY FOR MATERIALS REQUIRED FOR THE NEW INSTALLATION.

CONSTRUCTION DOCUMENTS

Table with 2 columns: REVISIONS and symbols (triangles).

Table with 2 columns: DRAWN BY (NZ), REVIEWED BY (AS), DATE (12/10/2019), PROJECT NO (18-0032), PSFA PRE-K PROJECT NO (K-18-011), PSFA SYSTEMS PROJECT NO (S-20-008), DRAWING NAME.

MECHANICAL LEGEND

Portales Brown Early Childhood Center, Project #S20-008, PSFCC FUNDED

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Bridgers & Paxton Project No: 8022



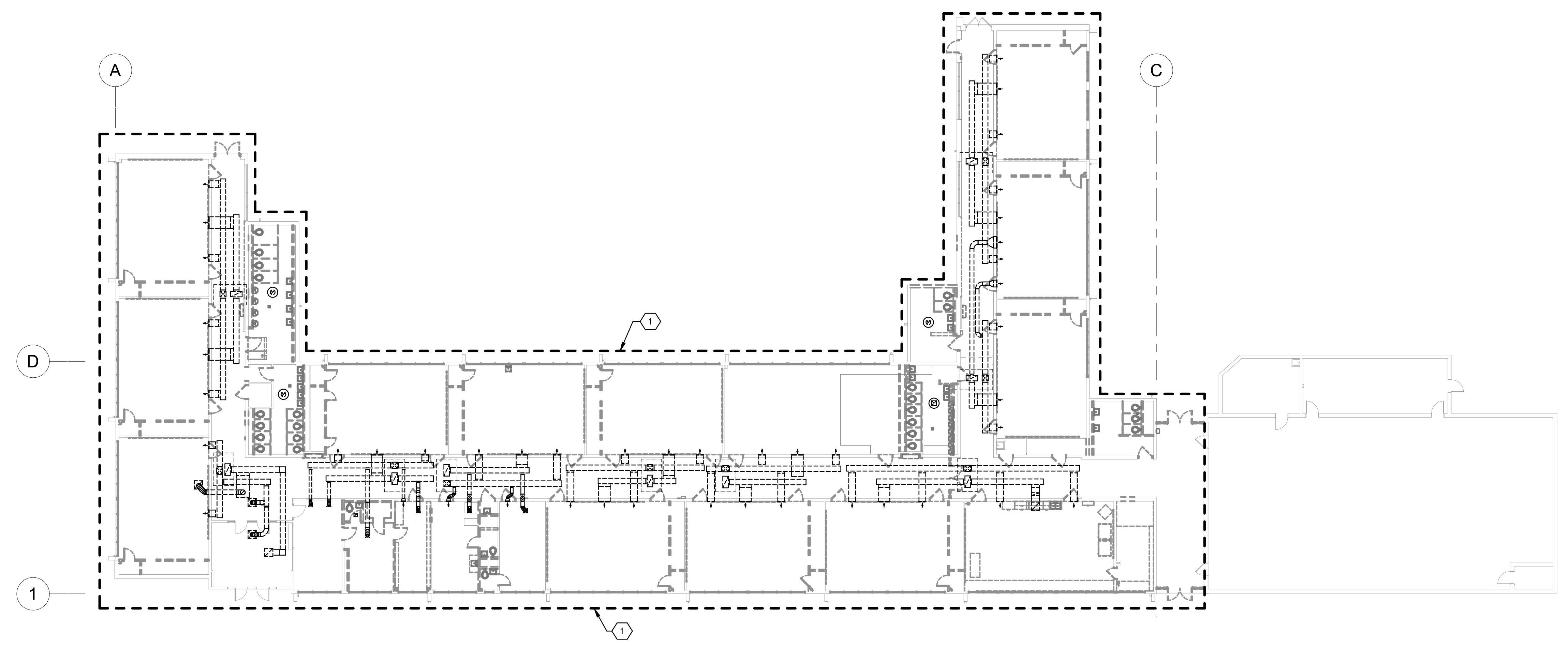
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CONSTRUCTION INDUSTRIES DIVISION  
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bsprick@nmpfsa.org

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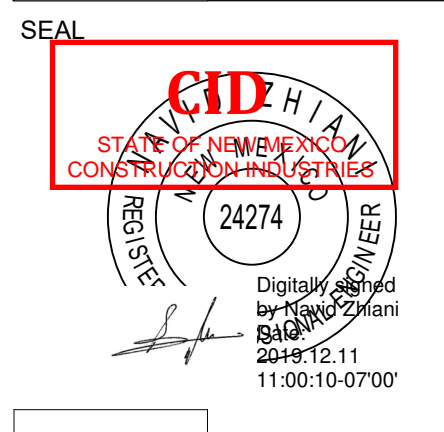
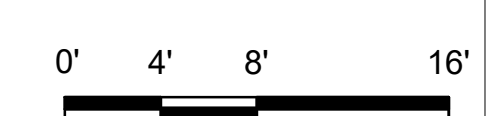
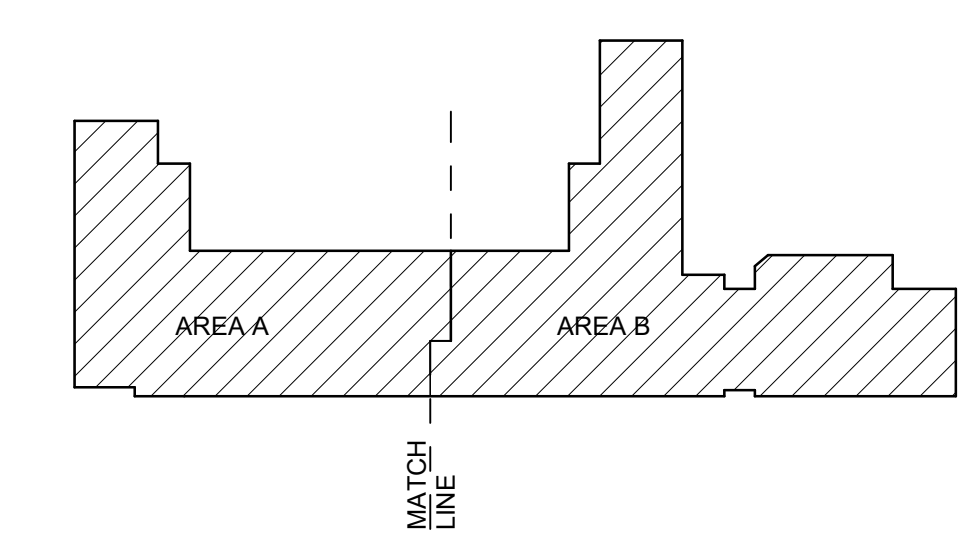
**GENERAL SHEET NOTES**

A. OWNER HAS FIRST RIGHT OF REFUSAL FOR ALL EQUIPMENT REMOVED AND NOT REINSTALLED. COORDINATE WITH OWNER BEFORE DISPOSAL OF ANY EQUIPMENT. ANY EQUIPMENT NOT RETAINED BY OWNER SHALL BE DISPOSED OF BY CONTRACTOR.

**KEYNOTES**

1. ALL EXISTING MECH EQUIPMENT WITH ASSOCIATED DUCTWORK, DIFFUSERS, GRILLES, DAMPERS AND CONTROL SHALL BE REMOVED AND DEMOLISHED PER BUILDING PHASES. SEE SHEETS MD100A, MD100B, MD101A AND MD101B FOR CONTINUATION.

**KEYPLAN**



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

- REVISIONS
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DRAWN BY	NZ
REVIEWED BY	AS
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

**MECHANICAL DEMOLITION FLOOR PLAN - OVERALL**

SHEET NO  
**MD100**



REVISIONS

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DRAWN BY	NZ
REVIEWED BY	AS
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

**MECHANICAL  
DEMOLITION  
FLOOR PLAN -  
AREA A**

SHEET NO  
**MD100A**

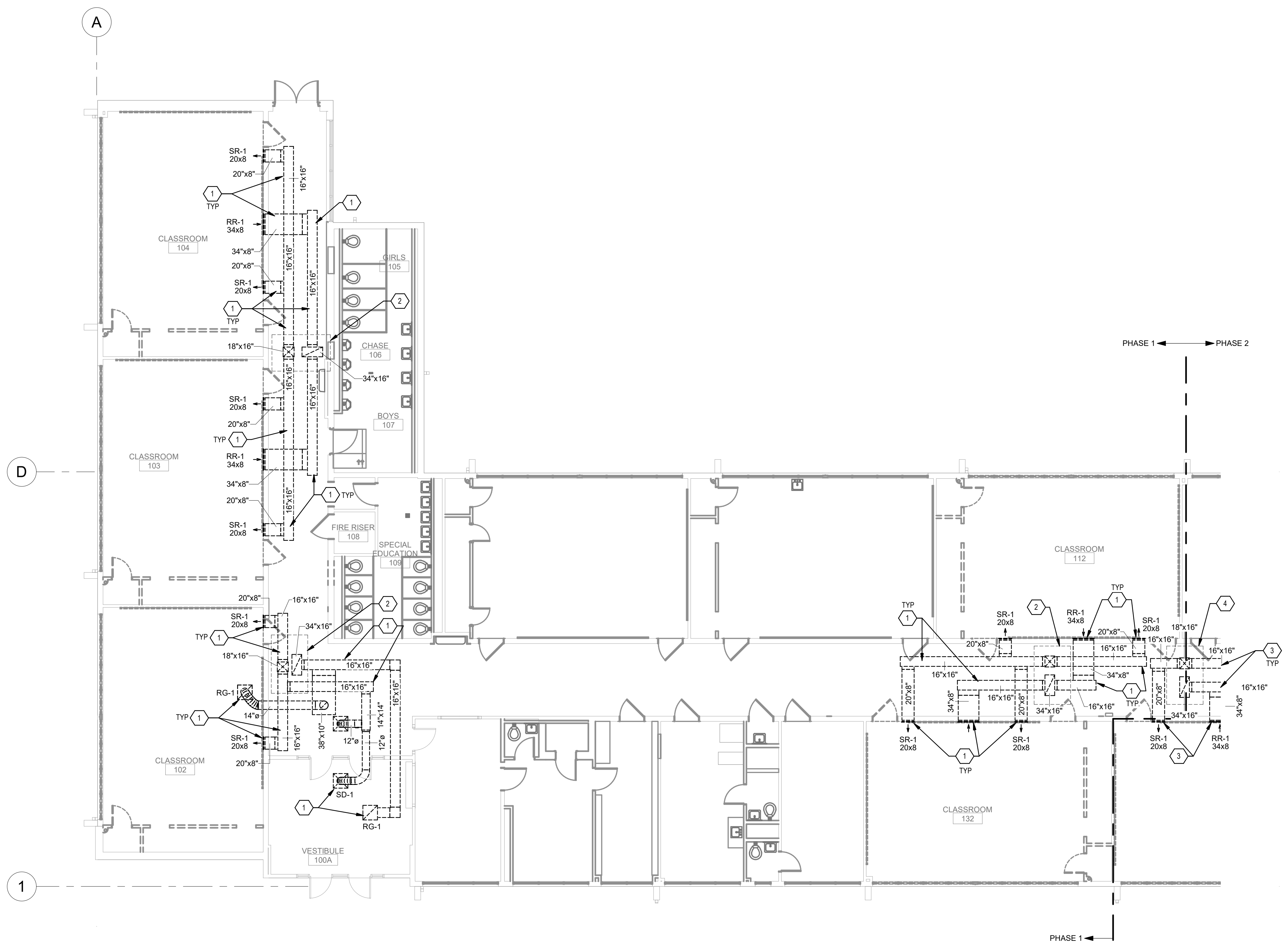
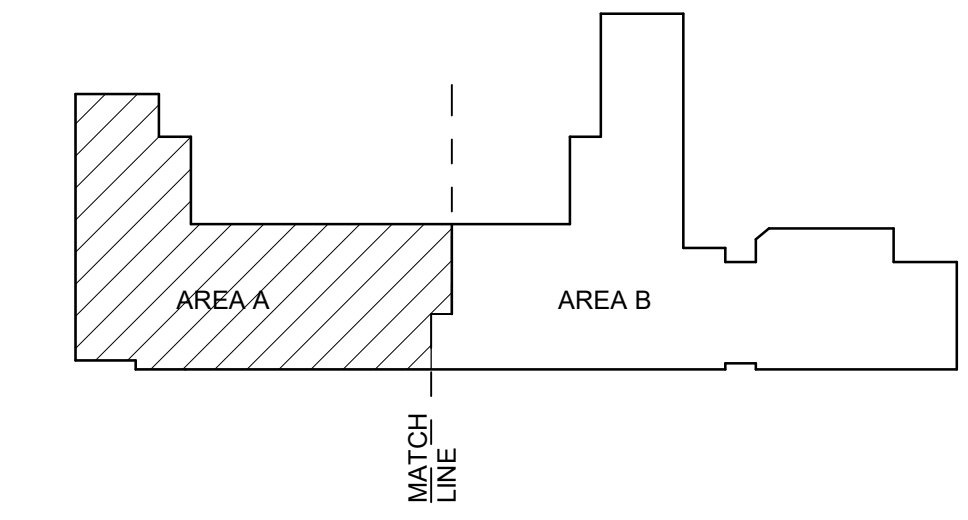
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- B. NOT ALL ITEMS OF DEMOLITION ARE SHOWN ON THIS DEMOLITION PLAN. THERE ARE MANY SPECIFIC AND SMALL ITEMS OF DEMOLITION THAT WILL BE NECESSARY THROUGHOUT THE COURSE OF THE WORK WHICH IS APPARENT BY A COMPLETE AND THOROUGH REVIEW OF EXISTING CONDITIONS AND ALL OF THE CONSTRUCTION DOCUMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PERFORM ALL DEMOLITION OPERATIONS REQUIRED FOR THIS PROJECT.

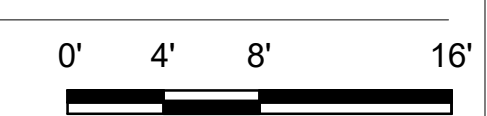
**KEYNOTES**

- 1. REMOVE AND DEMOLISH EXISTING SUPPLY AND RETURN DUCTWORK WITH ASSOCIATED DIFFUSERS, GRILLES AND BALANCING DAMPERS IN PHASE #1.
- 2. REMOVE AND DEMOLISH EXISTING RTU AND CONTROL COMPLETE IN PHASE #1.
- 3. REMOVE AND DEMOLISH EXISTING SUPPLY AND RETURN DUCTWORK WITH ASSOCIATED DIFFUSERS, GRILLES AND BALANCING DAMPERS IN PHASE #2.
- 4. REMOVE AND DEMOLISH EXISTING RTU AND CONTROL COMPLETE IN PHASE #2.

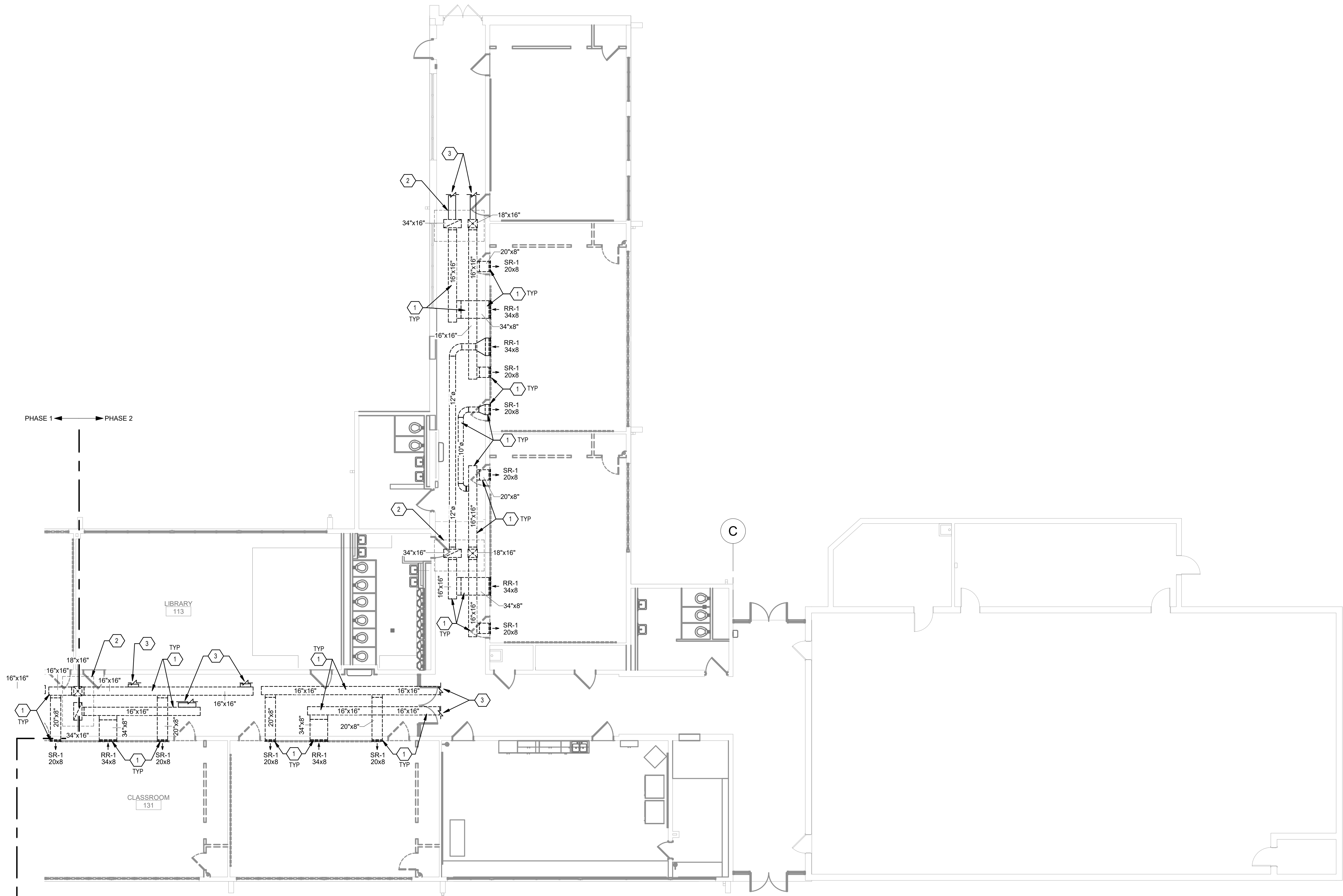
**KEYPLAN**



**A4 MECHANICAL FIRST FLOOR DEMOLITION PLAN**  
SCALE: 1/8" = 1'-0"







**GENERAL SHEET NOTES**

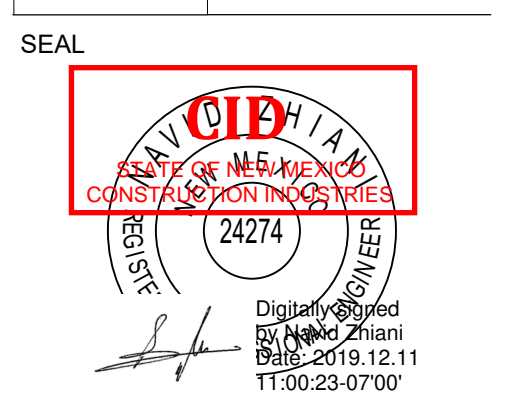
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**KEYNOTES**

1. REMOVE AND DEMOLISH EXISTING SUPPLY AND RETURN DUCTWORK WITH ASSOCIATED DIFFUSERS, GRILLES AND BALANCING DAMPERS IN PHASE #2.
2. REMOVE AND DEMOLISH EXISTING RTU AND CONTROL COMPLETE IN PHASE #2.
3. SEE SHEET MD1016 FOR CONTINUATION.



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**CONSTRUCTION DOCUMENTS**

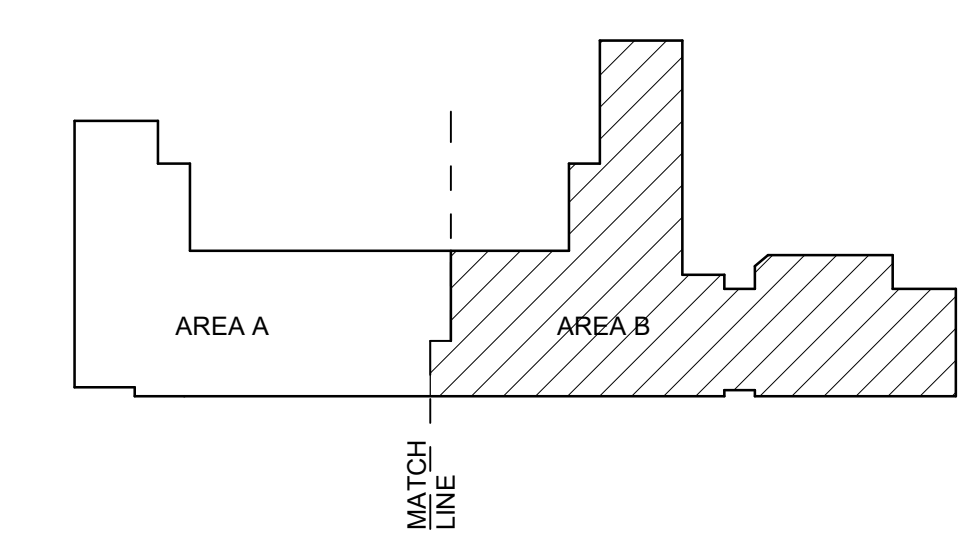
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DRAWN BY	NZ
REVIEWED BY	AS
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

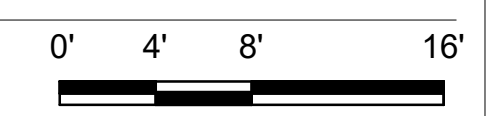
**MECHANICAL DEMOLITION FLOOR PLAN - AREA B**

SHEET NO  
**MD100B**

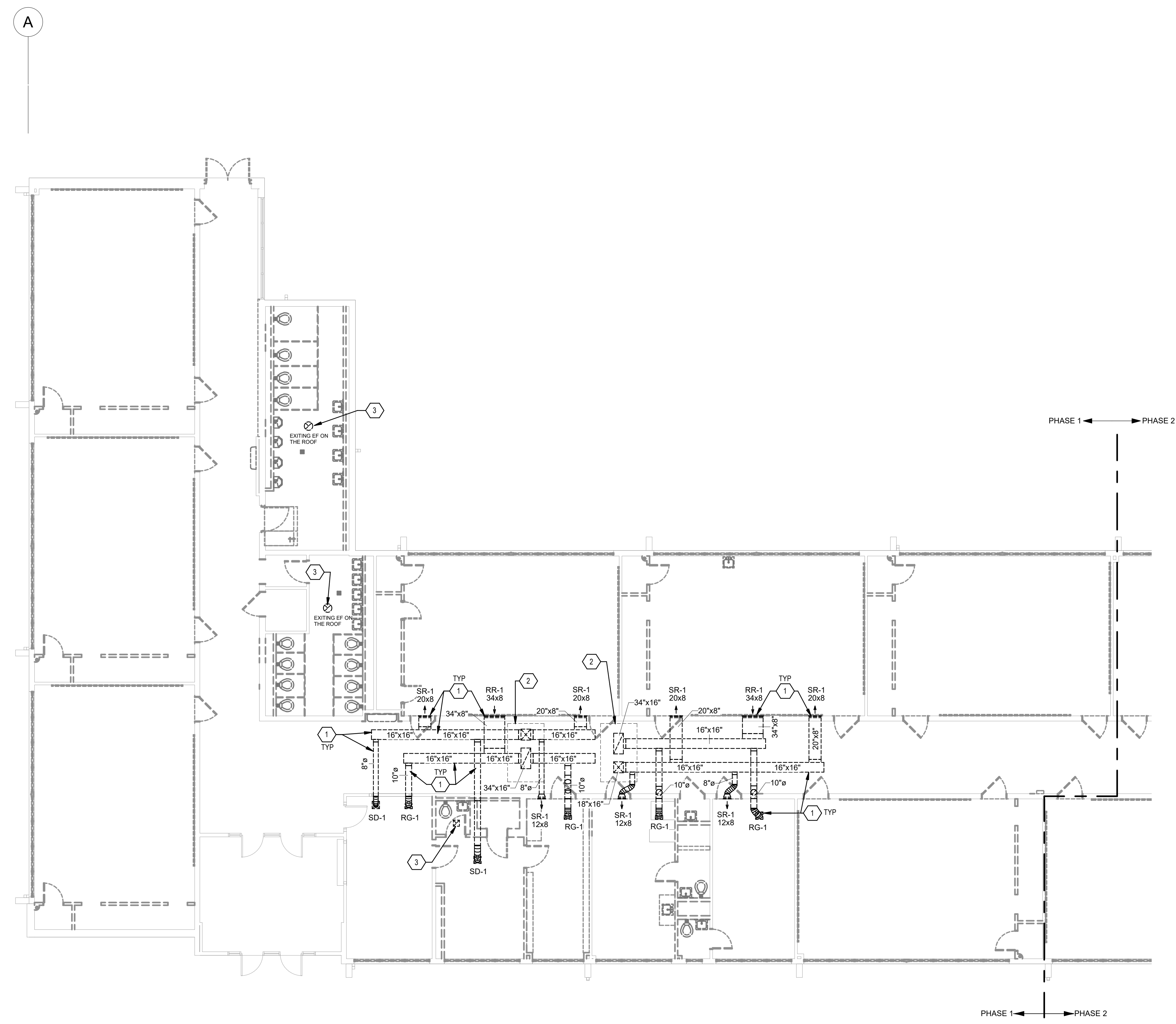
**KEYPLAN**



**A4 MECHANICAL DEMOLITION FLOOR PLAN**  
SCALE: 1/8" = 1'-0"







**GENERAL SHEET NOTES**

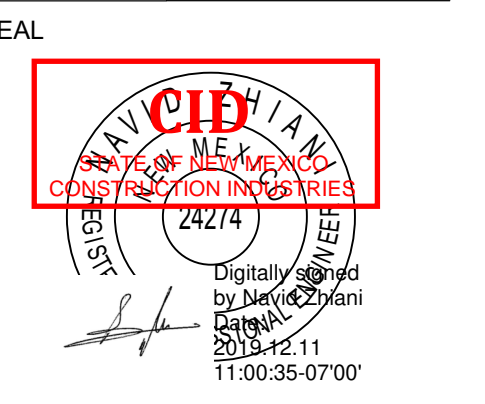
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**KEYNOTES**

- 1. REMOVE AND DEMOLISH EXISTING SUPPLY AND RETURN DUCTWORK WITH ASSOCIATED DIFFUSERS, GRILLES AND BALANCING DAMPERS IN PHASE #1 (BID LOT-1).
- 2. REMOVE AND DEMOLISH EXISTING RTU AND CONTROL COMPLETE IN PHASE #1 (BID LOT-1).
- 3. REMOVE AND DEMOLISH EXISTING EXHAUST DUCTWORK WITH ASSOCIATED FAN, GRILLE AND BALANCING DAMPER IN PHASE #1 (BID LOT-1).



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PROJECT



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**CONSTRUCTION DOCUMENTS**

REVISIONS

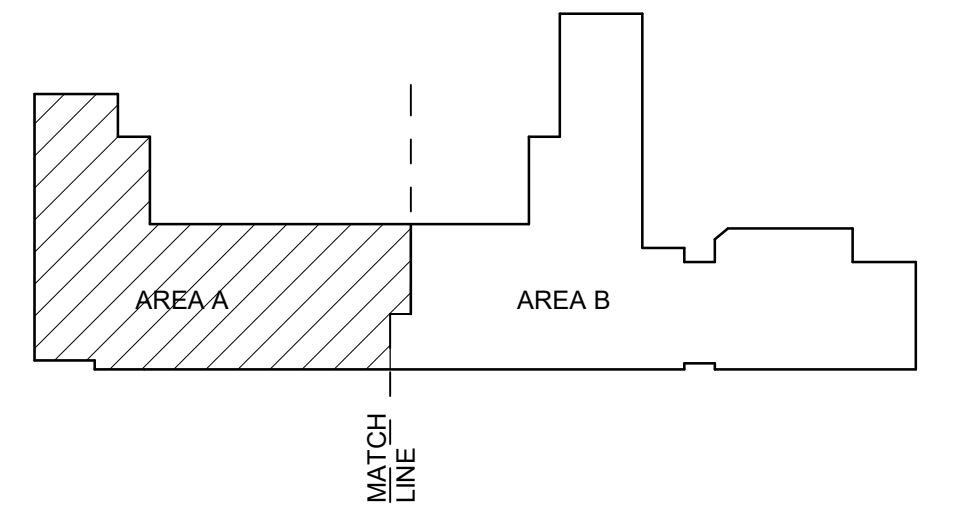
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REVIEWED BY	AS
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

**MECHANICAL DEMOLITION FLOOR PLAN - AREA A - BID LOT #1**

SHEET NO  
**MD101A**

**KEYPLAN**

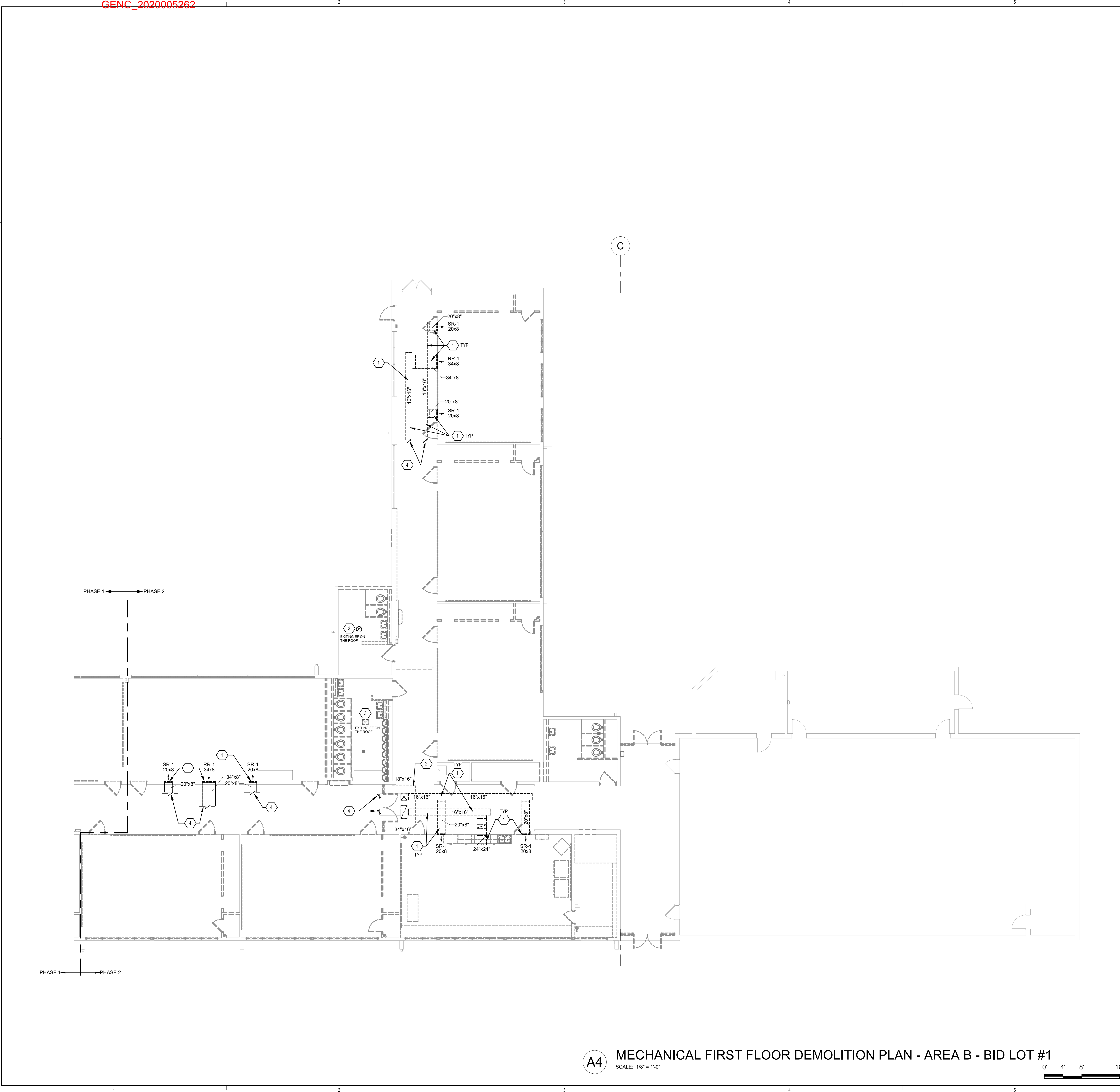


**A4 MECHANICAL FIRST FLOOR DEMOLITION PLAN - AREA A - BID LOT #1**  
SCALE: 1/8" = 1'-0"

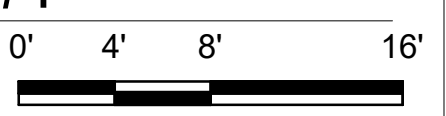




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SCALE: 1/8" = 1'-0"



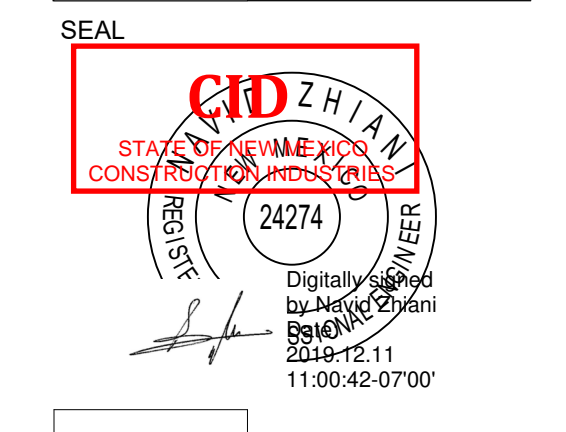
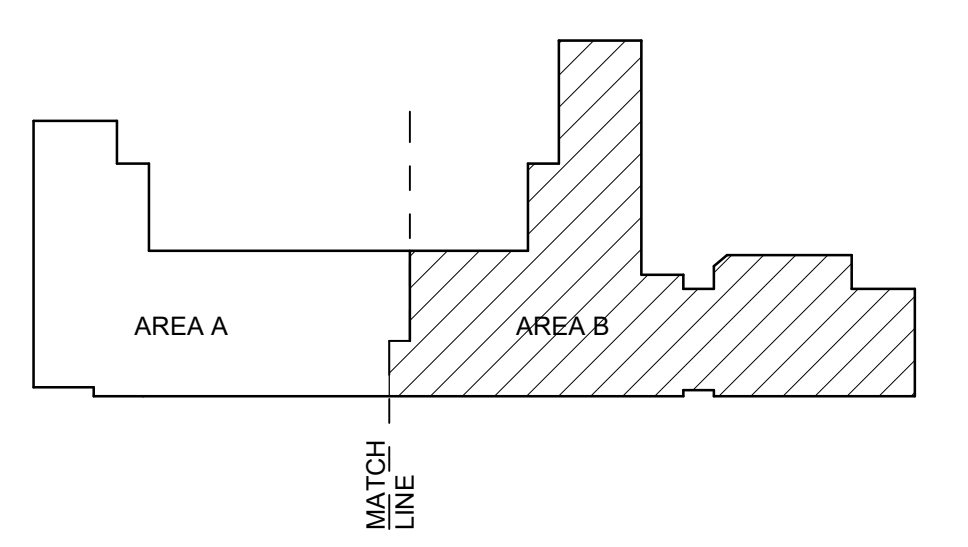
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- B. NOT ALL ITEMS OF DEMOLITION ARE SHOWN ON THIS DEMOLITION PLAN. THERE ARE MANY SPECIFIC AND SMALL ITEMS OF DEMOLITION THAT WILL BE NECESSARY THROUGHOUT THE COURSE OF THE WORK WHICH IS APPARENT BY A COMPLETE AND THOROUGH REVIEW OF EXISTING CONDITIONS AND ALL OF THE CONSTRUCTION DOCUMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PERFORM ALL DEMOLITION OPERATIONS REQUIRED FOR THIS PROJECT.

**KEYNOTES**

- 1. REMOVE AND DEMOLISH EXISTING SUPPLY AND RETURN DUCTWORK WITH ASSOCIATED DIFFUSERS, GRILLES AND BALANCING DAMPERS IN PHASE #2 (BID LOT-1).
- 2. REMOVE AND DEMOLISH EXISTING RTU AND CONTROL COMPLETE IN PHASE #2 (BID LOT-1).
- 3. REMOVE AND DEMOLISH EXISTING EXHAUST DUCTWORK WITH ASSOCIATED FAN, GRILLE AND BALANCING DAMPER IN PHASE #2 (BID LOT-1).
- 4. SEE SHEET MD1008 FOR CONTINUATION.

**KEYPLAN**



PROJECT



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

REVISIONS


DRAWN BY	NZ
REVIEWED BY	AS
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

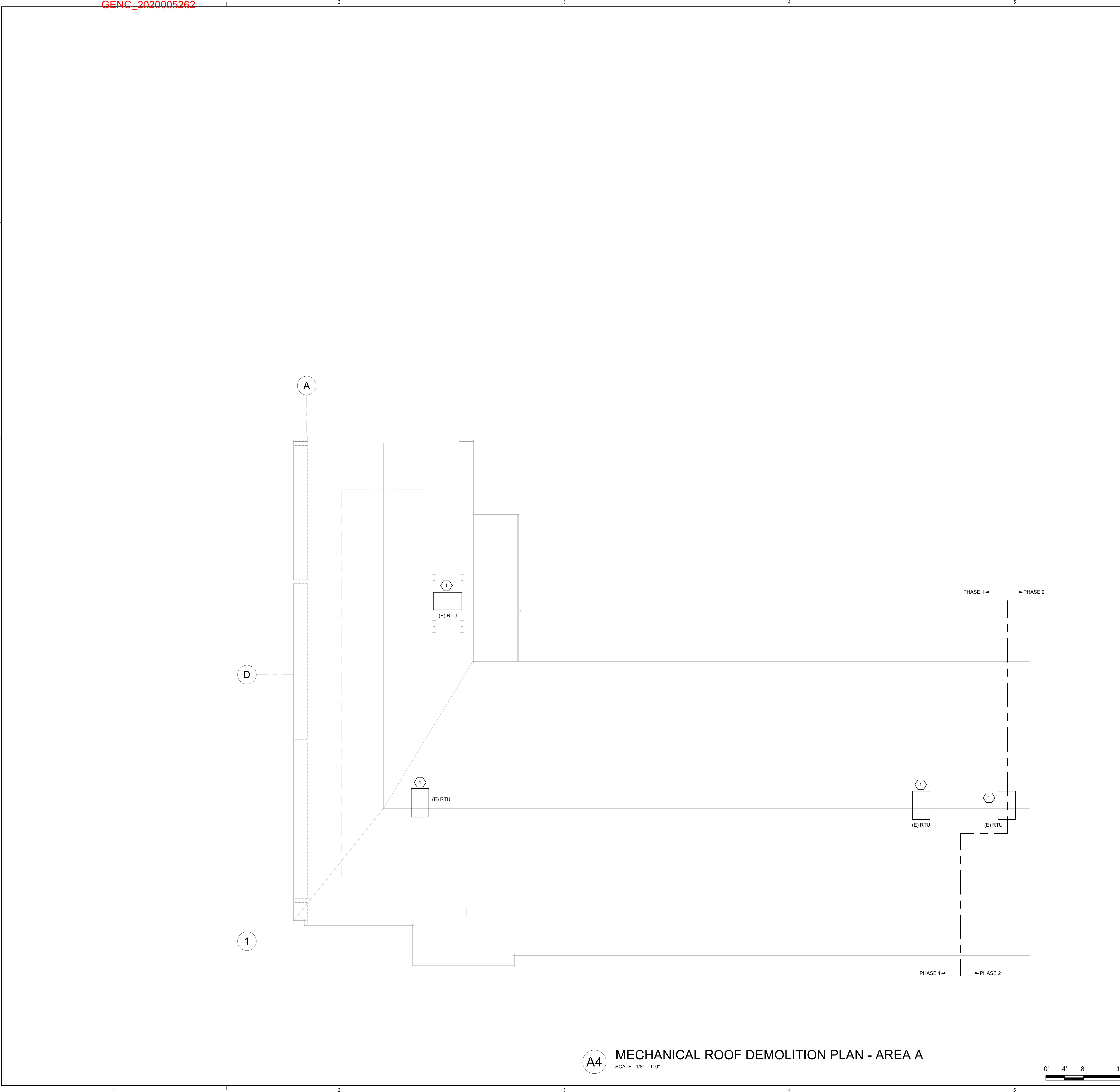
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**MD101B**

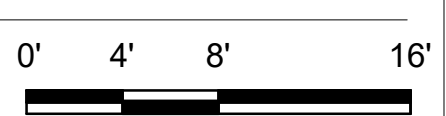








**A4** MECHANICAL ROOF DEMOLITION PLAN - AREA A  
SCALE: 1/8" = 1'-0"

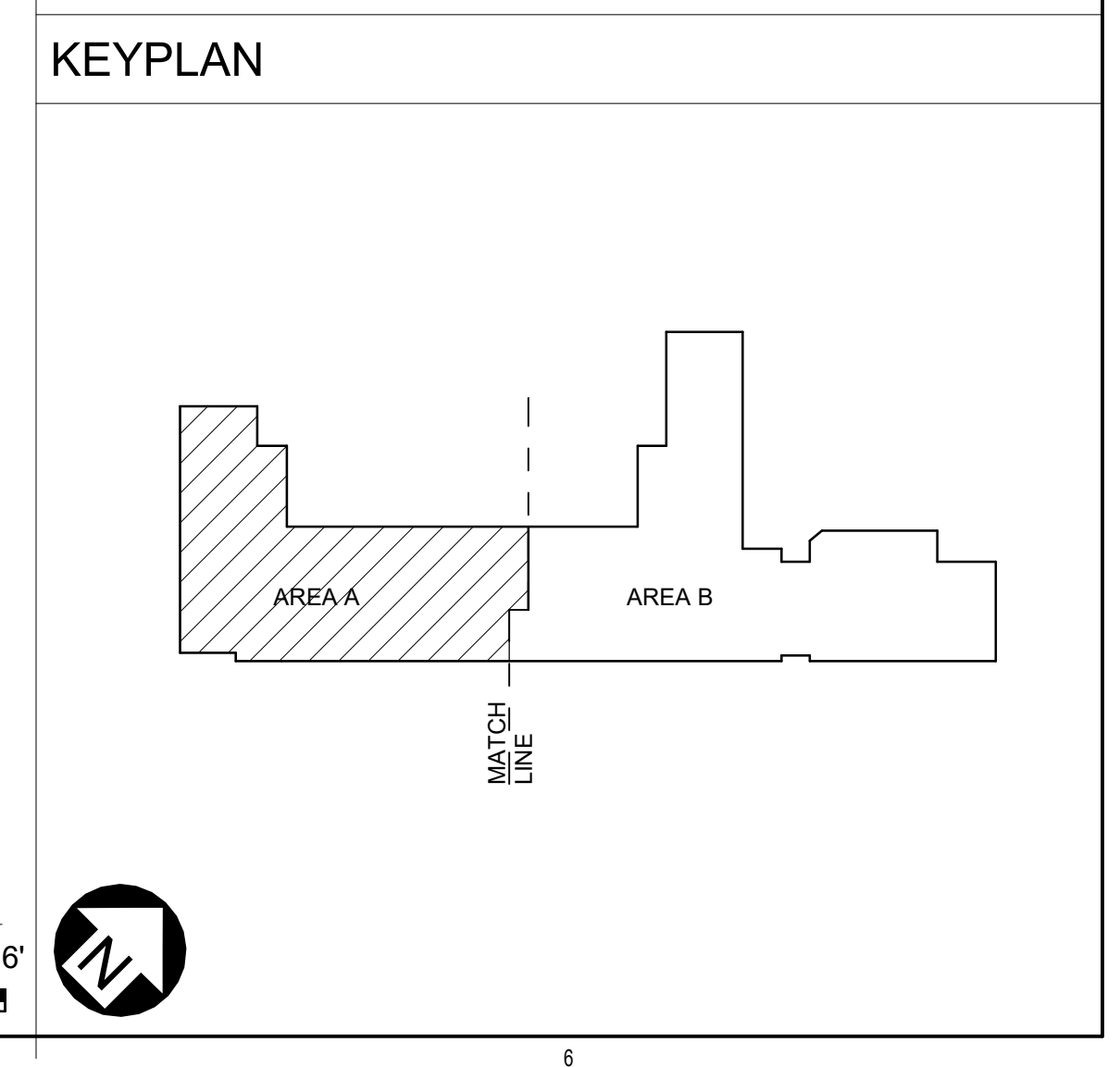


**GENERAL SHEET NOTES**

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**KEYNOTES**

1. REMOVE AND DEMOLISH EXISTING MECH EQUIPMENT WITH ASSOCIATED DUCTWORK, CURBS, DIFFUSERS, GRILLES, DAMPERS AND CONTROL IN PHASE #1.



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PROJECT

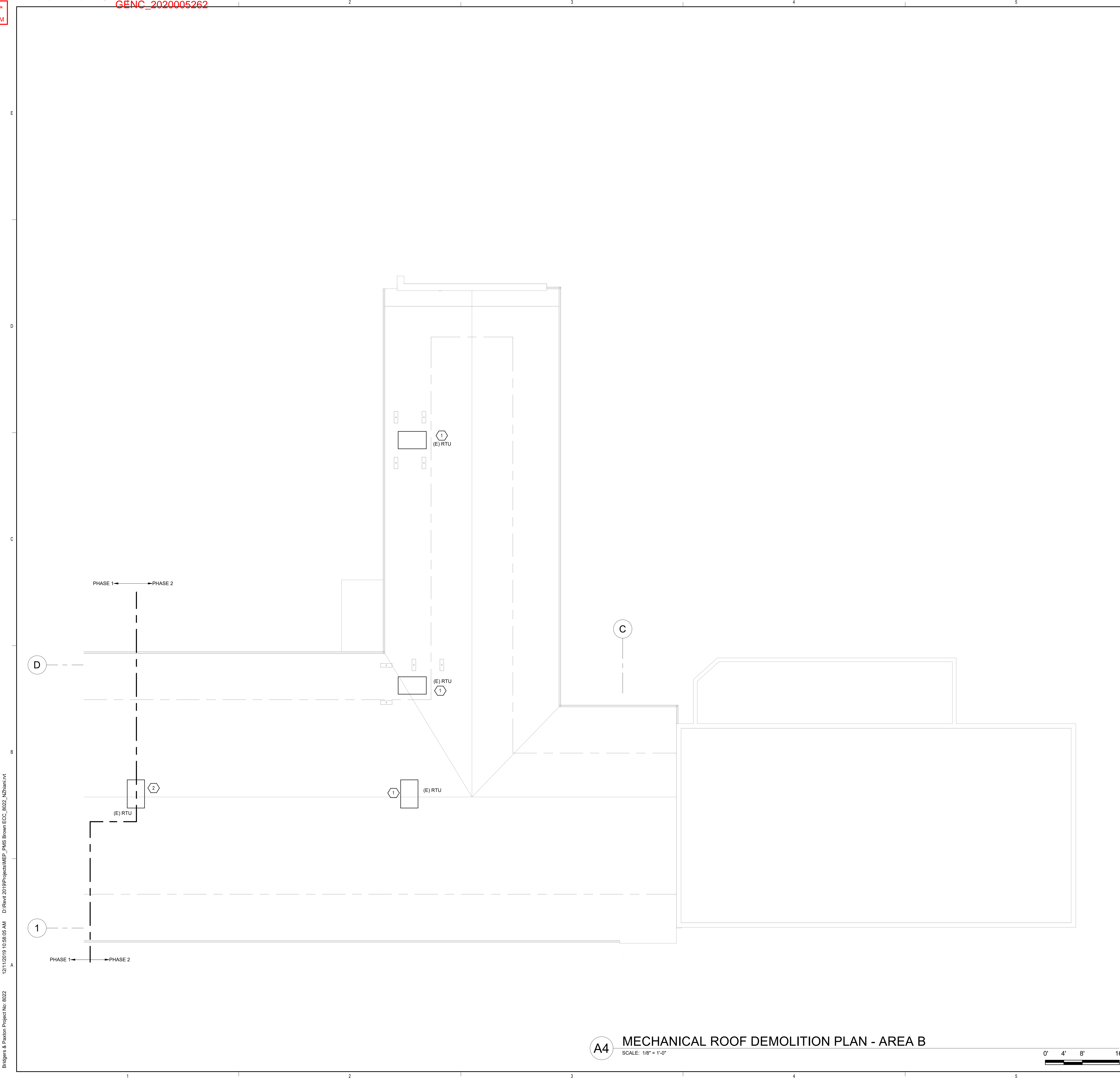
**Brown Early Childhood Center  
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**CONSTRUCTION DOCUMENTS**

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REVIEWED BY	AS
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	
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SHEET NO	MD140A





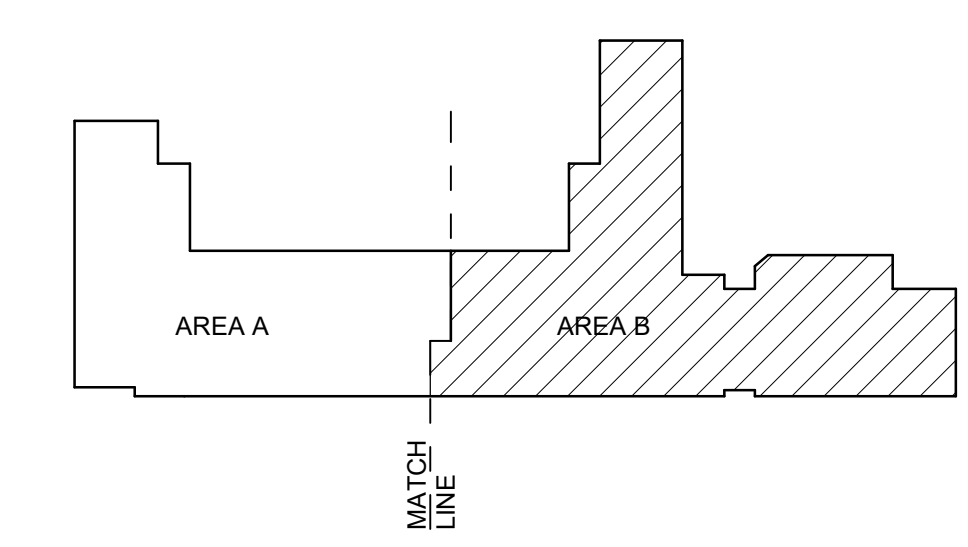
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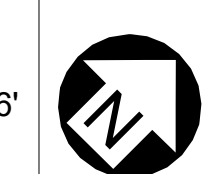
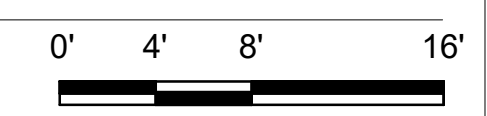
**KEYNOTES**

1. REMOVE AND DEMOLISH EXISTING MECH EQUIPMENT WITH ASSOCIATED DUCTWORK, CURBS, DIFFUSERS, GRILLES, DAMPERS AND CONTROL IN PHASE #2.
2. REMOVE AND DEMOLISH EXISTING MECH EQUIPMENT WITH ASSOCIATED DUCTWORK, CURBS, DIFFUSERS, GRILLES, DAMPERS AND CONTROL IN PHASE #1.

**KEYPLAN**



**A4 MECHANICAL ROOF DEMOLITION PLAN - AREA B**  
SCALE: 1/8" = 1'-0"



**CONSTRUCTION DOCUMENTS**

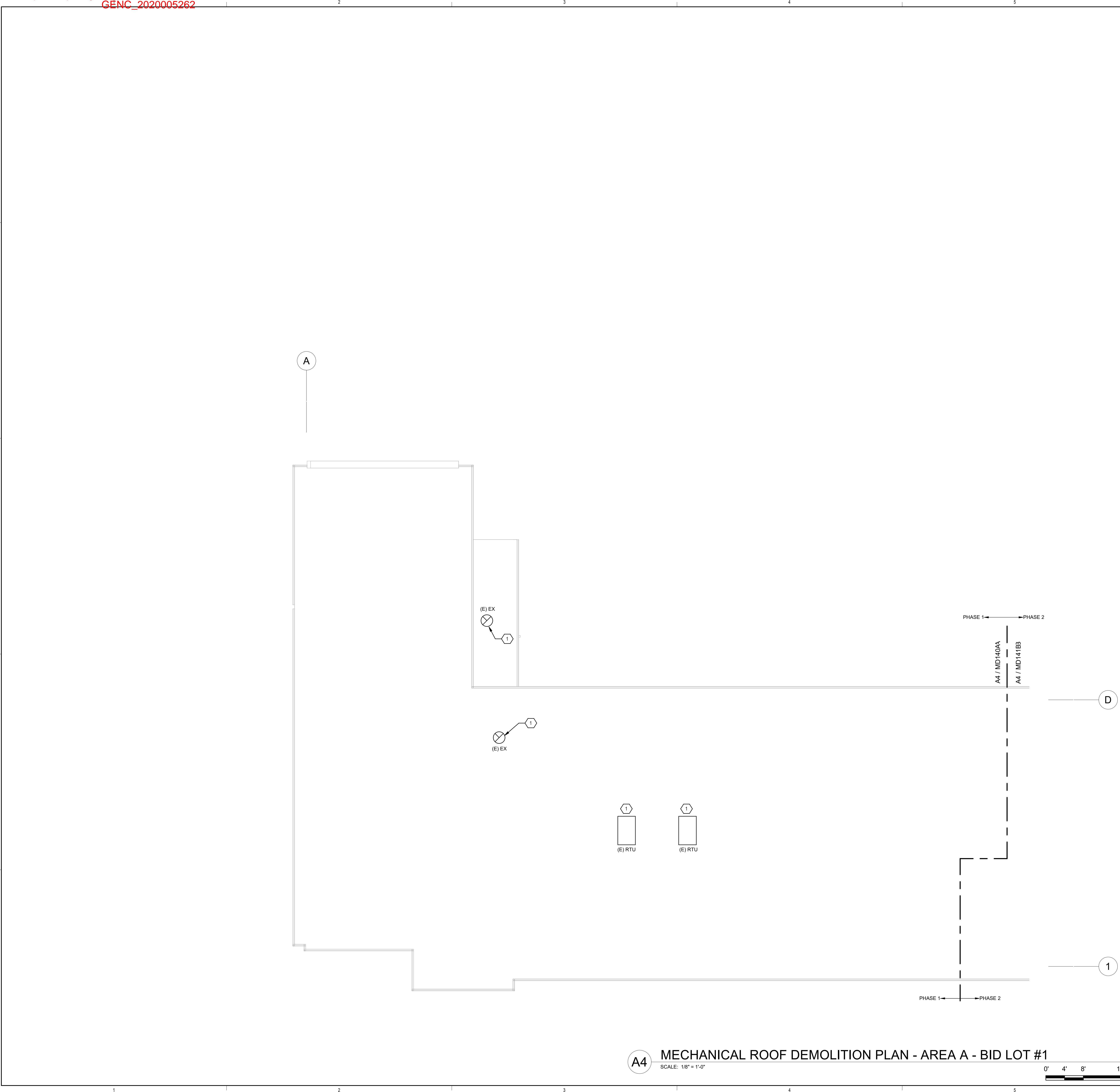
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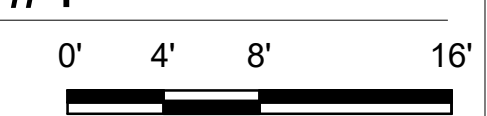
DRAWN BY	NZ
REVIEWED BY	AS
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

**MECHANICAL ROOF DEMOLITION PLAN - AREA B**





**A4** MECHANICAL ROOF DEMOLITION PLAN - AREA A - BID LOT #1  
SCALE: 1/8" = 1'-0"

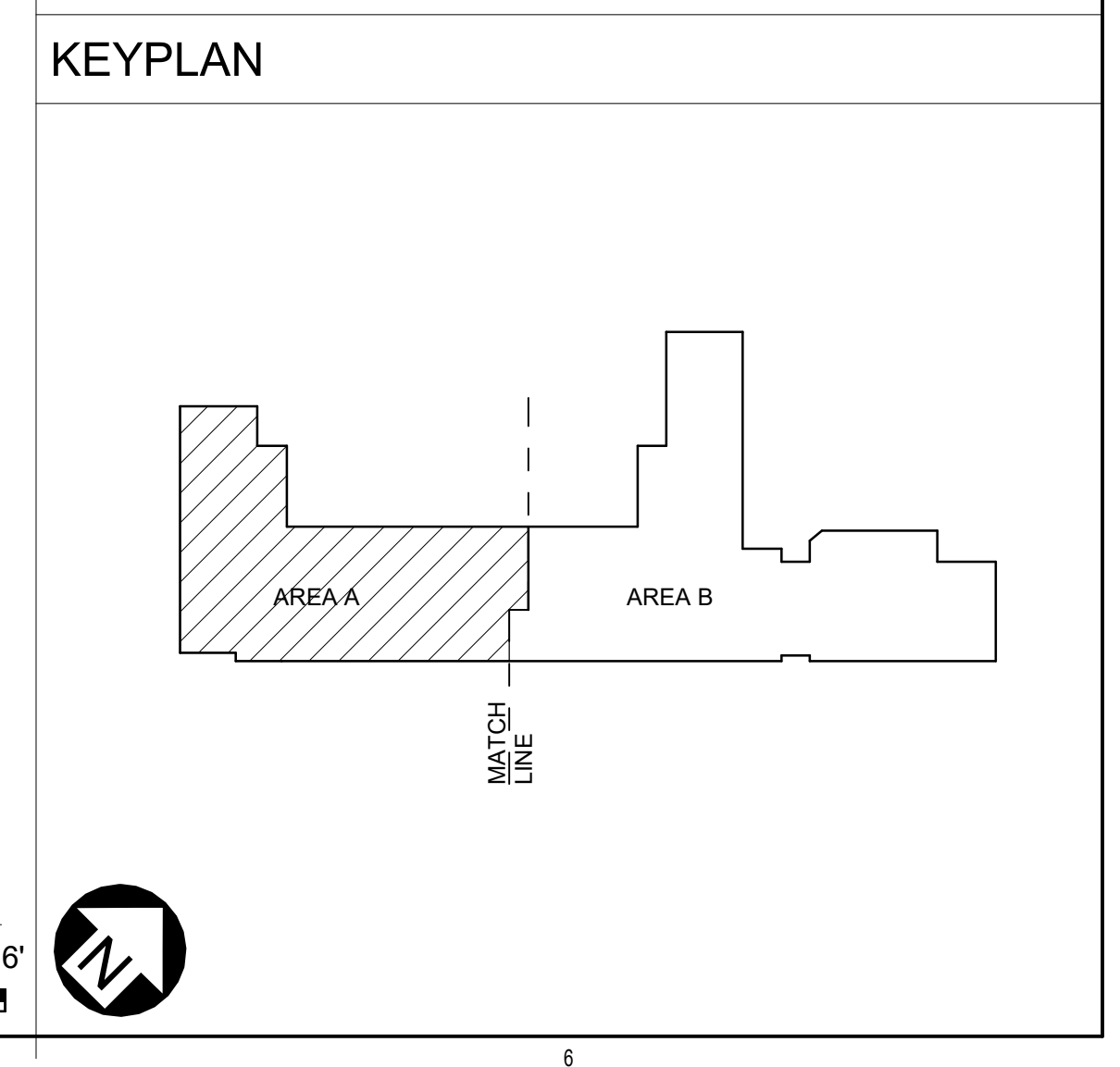


**GENERAL SHEET NOTES**

A. OWNER HAS FIRST RIGHT OF REFUSAL FOR ALL EQUIPMENT REMOVED AND NOT REINSTALLED. COORDINATE WITH OWNER BEFORE DISPOSAL OF ANY EQUIPMENT. ANY EQUIPMENT NOT RETAINED BY OWNER SHALL BE DISPOSED OF BY CONTRACTOR.

**KEYNOTES**

1. REMOVE AND DEMOLISH ALL EXISTING MECH EQUIPMENT WITH ASSOCIATED DUCTWORK, CURBS, DIFFUSERS, GRILLES, DAMPERS AND CONTROL IN PHASE #1 (BID LOT-1).



**FORMATIVE**  
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MECH/ELECTRICAL ENGINEERS  
4601 C Management Blvd, NE  
Albuquerque, NM 87109  
505.263.4111 www.btpae.com

SEAL  
STATE OF NEW MEXICO  
CONSTRUCTION INDUSTRIES DIVISION  
REGISTERED PROFESSIONAL ENGINEER  
24274  
Date of Expiration by  
NMECA: 12/31/2021  
Last: 2019.12.11  
11:01:11-07:00

PROJECT

**PUBLIC SCHOOL FACILITIES AUTHORITY**  
APPROVED  
William Sprick  
Facilities Specialist

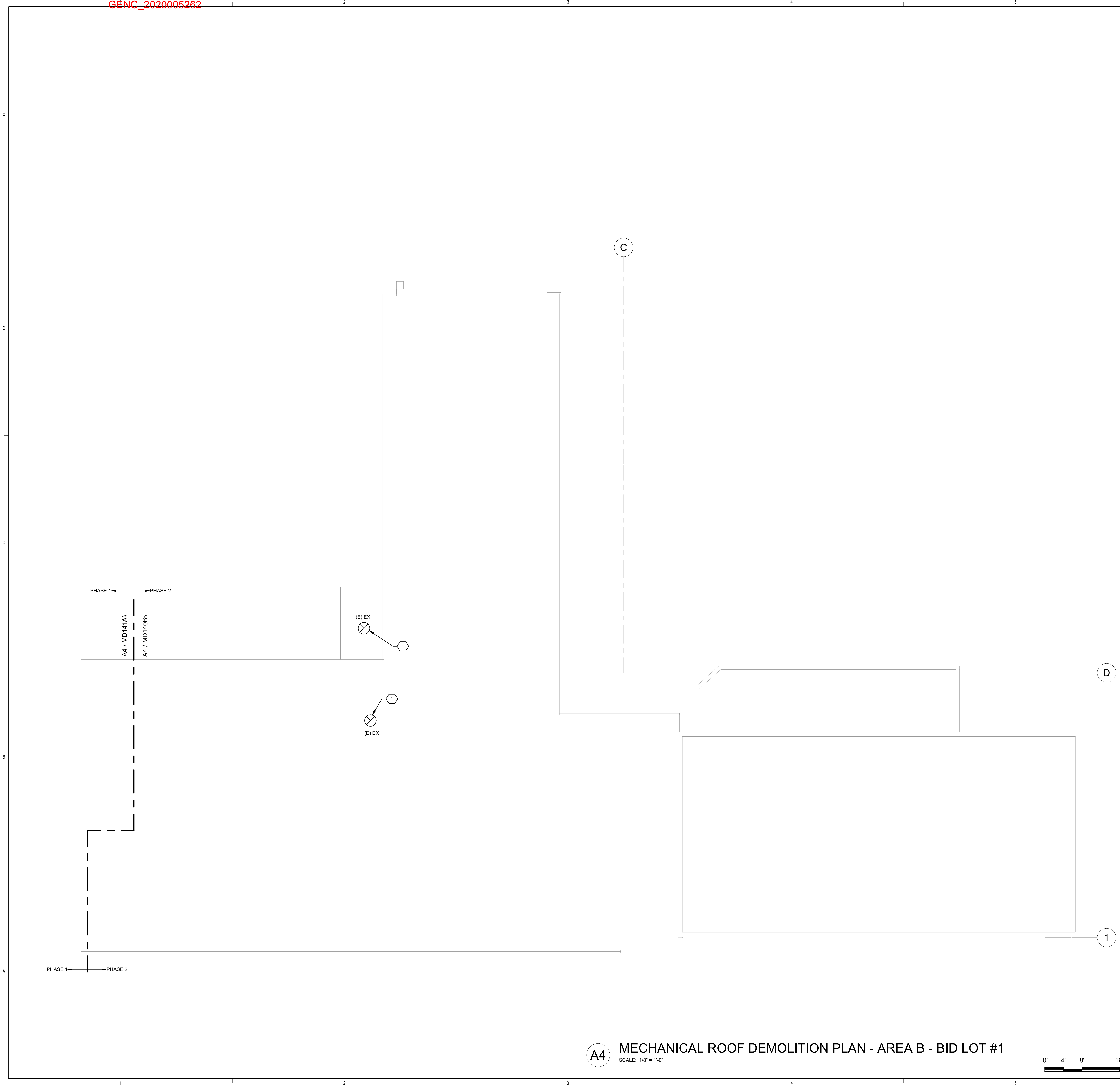
**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

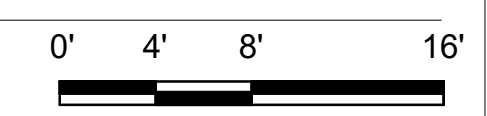
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REVIEWED BY	AS
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	
<b>MECHANICAL DEMOLITION ROOF PLAN - AREA A - BID LOT #1</b>	
SHEET NO	MD141A





**A4** MECHANICAL ROOF DEMOLITION PLAN - AREA B - BID LOT #1  
SCALE: 1/8" = 1'-0"

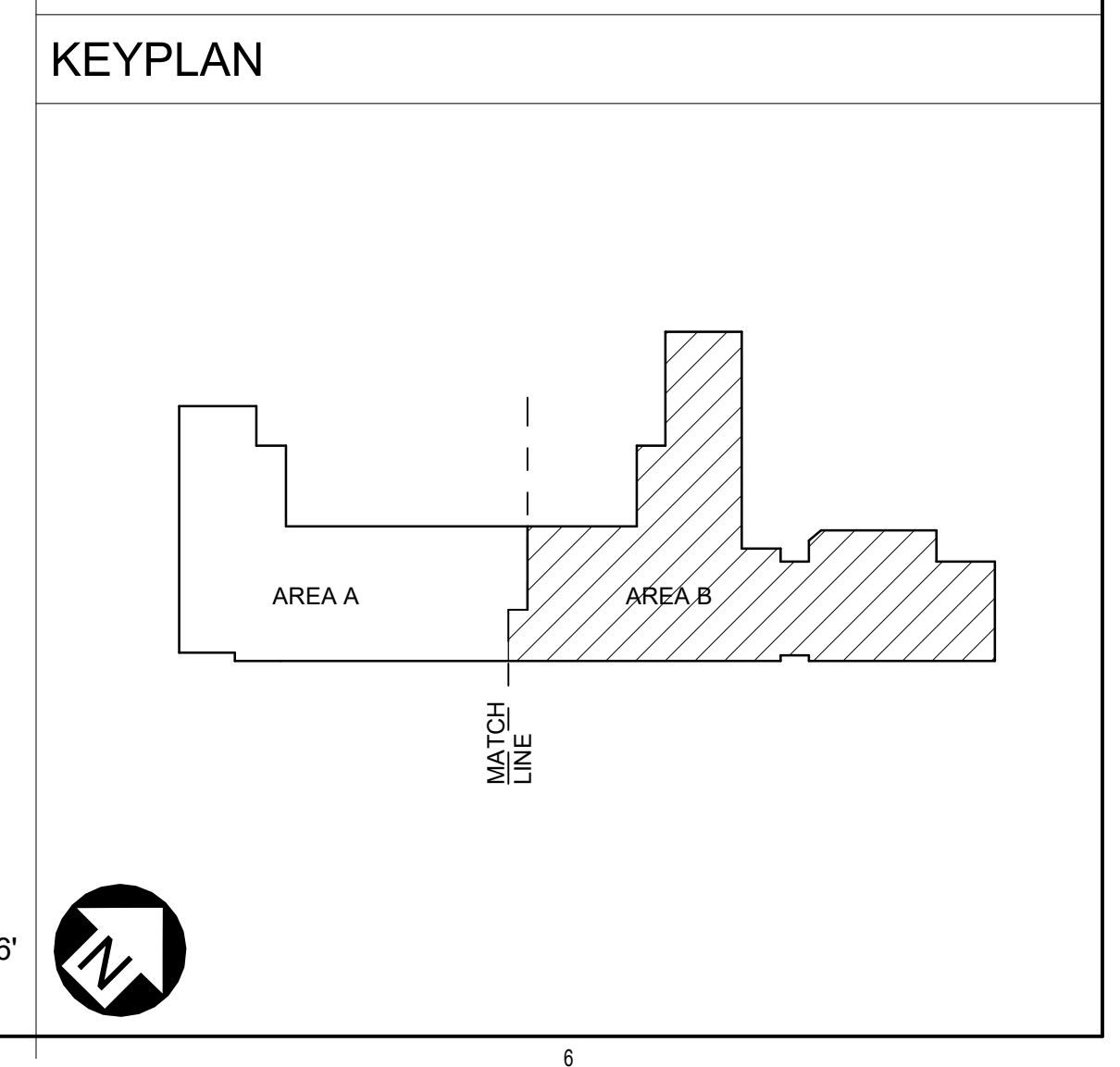


**GENERAL SHEET NOTES**

A. OWNER HAS FIRST RIGHT OF REFUSAL FOR ALL EQUIPMENT REMOVED AND NOT REINSTALLED. COORDINATE WITH OWNER BEFORE DISPOSAL OF ANY EQUIPMENT. ANY EQUIPMENT NOT RETAINED BY OWNER SHALL BE DISPOSED OF BY CONTRACTOR.

**KEYNOTES**

1. REMOVE AND DEMOLISH ALL EXISTING MECH EQUIPMENT WITH ASSOCIATED DUCTWORK, CURBS, GRILLES, DAMPERS AND CONTROL IN PHASE #2 (BID LOT#1).



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4601 C Management Blvd, NE  
Albuquerque, NM 87110  
505.263.4111 www.btpco.com

SEAL

PROJECT

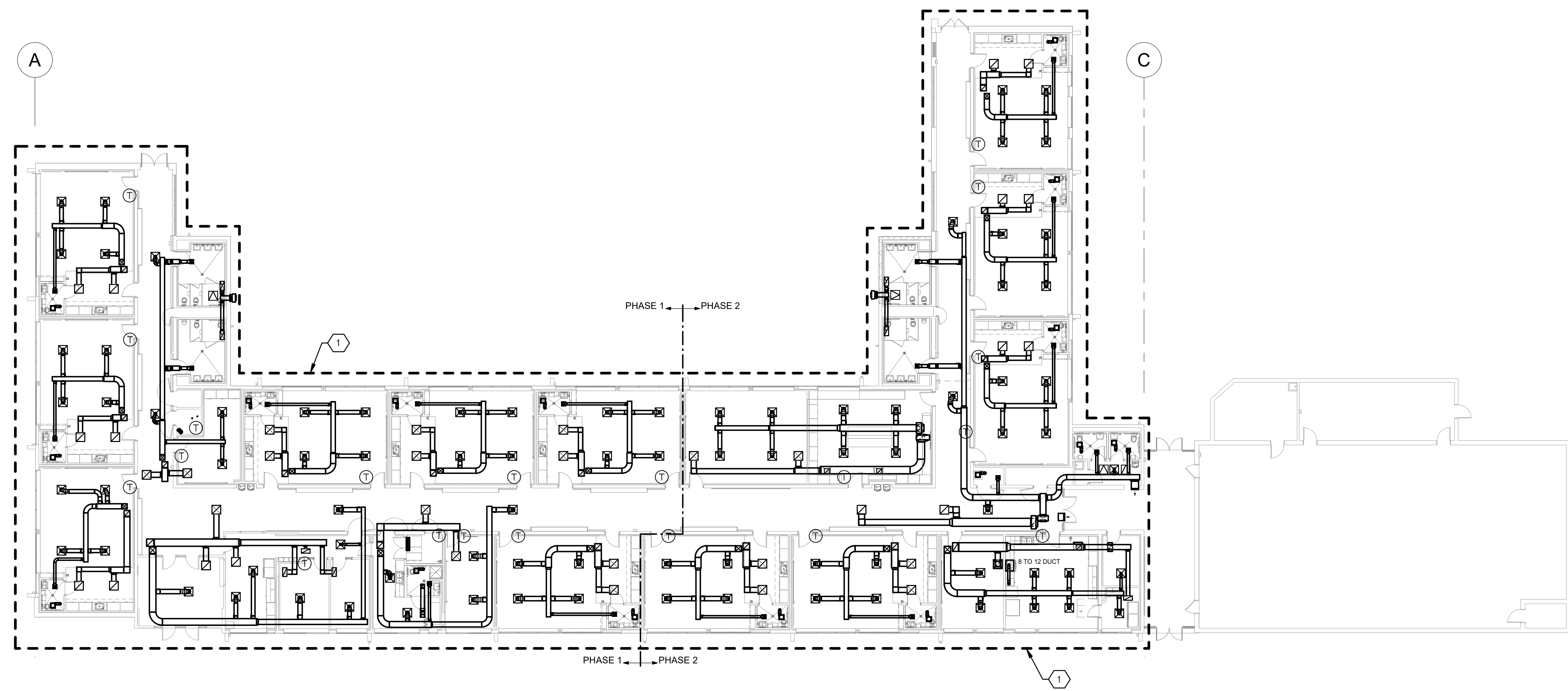
**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

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DRAWN BY	NZ
REVIEWED BY	AS
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	
<b>MECHANICAL DEMOLITION ROOF PLAN - AREA B - BID LOT #1</b>	
SHEET NO	<b>MD141B</b>





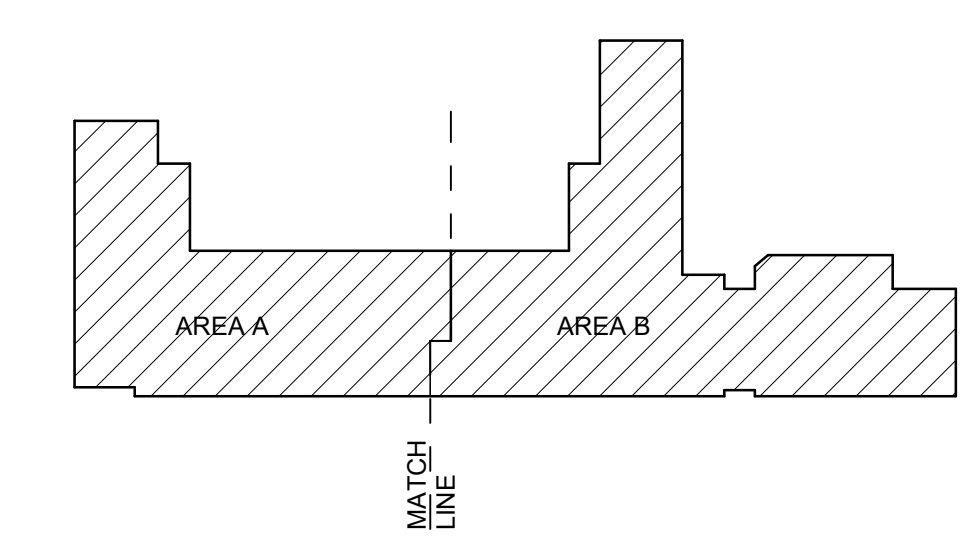
**GENERAL SHEET NOTES**

- A. ALL INTERIOR CONCEALED SUPPLY SHALL BE WRAPPED WITH 1.5" TYPE D-1. SEE SPECIFICATION 230700 FOR ADDITIONAL INSULATION INFORMATION.
- B. ALL INTERIOR RETURN AIR DUCTWORK SHALL BE ACOUSTICALLY LINED WITH 1" TYPE D-3. SEE SPECIFICATION 230700 FOR ADDITIONAL INSULATION INFORMATION.
- C. THE FIRST 10 FT. (MINIMUM) AND EXHAUST DUCTWORK UPSTREAM OF EXHAUST FANS SHALL BE ACOUSTICALLY LINED WITH TYPE D-3. SEE SPECIFICATION 230700 FOR ADDITIONAL INSULATION INFORMATION.
- D. ALL BRANCH DUCTWORK TO SUPPLY DIFFUSERS SHALL BE SIZED TO MATCH NECK SIZE OF DIFFUSER AS INDICATED ON "GRILLE AND DIFFUSER" SCHEDULE ON SHEET M-701.
- E. ALL BRANCH DUCTWORK TO SUPPLY DIFFUSERS AND EXHAUST GRILLES NOT FURNISHED WITH OPPOSED BLADE DAMPERS SHALL INCLUDE BALANCING DAMPER WITH LOCKING QUADRANT.
- F. COORDINATE ALL DUCT AND PIPE ROUTING AND INSTALLATION WITH STRUCTURAL PLANS AND ARCHITECTURAL FLOOR PLANS.
- G. ALL EXPOSED DUCTWORK AND GRILLES SHALL BE CLEANED, DEGREASED AND PREPPED FOR PAINTING. DUCTWORK SHALL BE PAINTED PER ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
- H. 24X24 CEILING ACCESS DOORS SHALL BE PROVIDED AT ALL BALANCING DAMPERS, FIRE DAMPERS AND DUCT MOUNTED SMOKE DETECTOR LOCATIONS ABOVE HARD CEILINGS.
- I. INSTALL T-STAT ON WALL 48" A.F.F. COORDINATE INSTALLATION WITH ANY ELECTRICAL DEVICES. PROVIDE CLEAR VENTED LOCKABLE T-STAT COVER. USE METAL LOCKING COVER IN STUDENT AREAS.

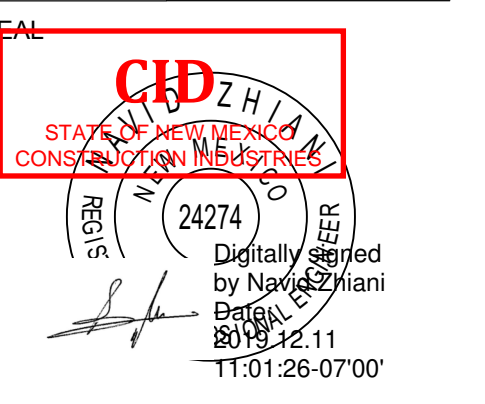
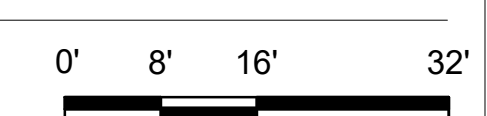
**KEYNOTES**

- 1. SEE SHEET MH100A, MH100B, MH101A AND MH101B FOR CONTINUATION.

**KEYPLAN**



**A4 HVAC FIRST FLOOR PLAN**  
SCALE: 1/16" = 1'-0"



PROJECT



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

**REVISIONS**

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DRAWN BY	NZ
REVIEWED BY	AS
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

**HVAC FLOOR PLAN - OVERALL**

SHEET NO  
**MH100**



REVISIONS

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DRAWN BY	Author
REVIEWED BY	AS
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

HVAC FLOOR PLAN - AREA A

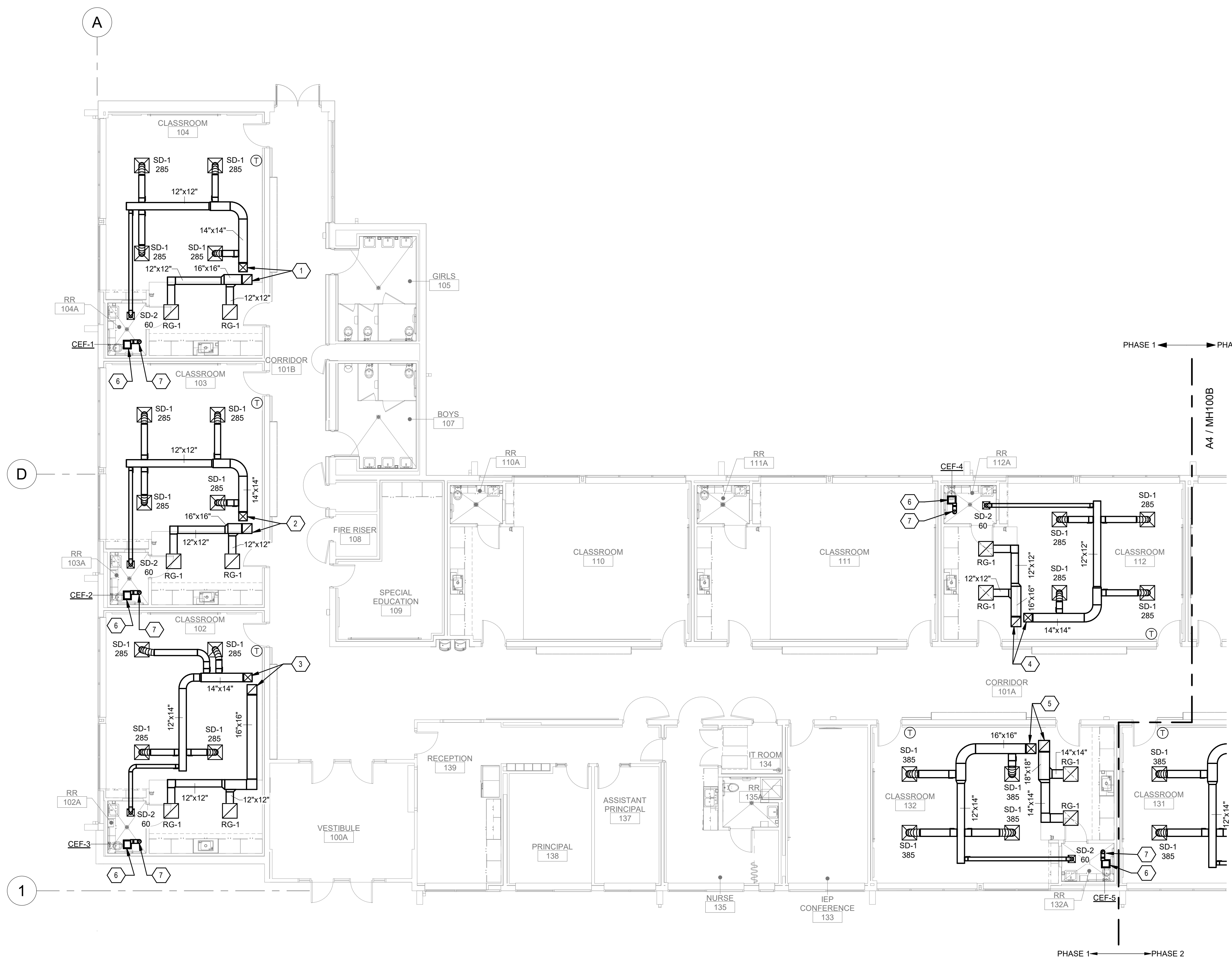
SHEET NO  
MH100A

GENERAL SHEET NOTES

- A. ALL INTERIOR CONCEALED SUPPLY SHALL BE WRAPPED WITH 1.5" TYPE D-1. SEE SPECIFICATION 230700 FOR ADDITIONAL INSULATION INFORMATION.
- B. ALL INTERIOR RETURN AIR DUCTWORK SHALL BE ACoustically LINED WITH 1" TYPE D-3. SEE SPECIFICATION 230700 FOR ADDITIONAL INSULATION INFORMATION.
- C. THE FIRST 10 FT. (MINIMUM) AND EXHAUST DUCTWORK UPSTREAM OF EXHAUST FANS SHALL BE ACoustically LINED WITH TYPE D-3. SEE SPECIFICATION 230700 FOR ADDITIONAL INSULATION INFORMATION.
- D. ALL BRANCH DUCTWORK TO SUPPLY DIFFUSERS AND EXHAUST GRILLES NOT FURNISHED WITH OPPOSED BLADE DAMPERS SHALL INCLUDE BALANCING DAMPER WITH LOCKING QUADRANT.
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- F. COORDINATE ALL DUCT AND PIPE ROUTING AND INSTALLATION WITH STRUCTURAL PLANS AND ARCHITECTURAL FLOOR PLANS.
- G. ALL EXPOSED DUCTWORK AND GRILLES SHALL BE CLEANED, DEGREASED AND PREPPED FOR PAINTING. DUCTWORK SHALL BE PAINTED PER ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
- H. 24X24 CEILING ACCESS DOORS SHALL BE PROVIDED AT ALL BALANCING DAMPERS, FIRE DAMPERS AND DUCT MOUNTED SMOKE DETECTOR LOCATIONS ABOVE HARD CEILINGS.
- I. INSTALL T-STAT ON WALL 48" A.F.F. COORDINATE INSTALLATION WITH ANY ELECTRICAL DEVICES. PROVIDE CLEAR VENTED LOCKABLE T-STAT COVER. USE METAL LOCKING COVER IN STUDENT AREAS.

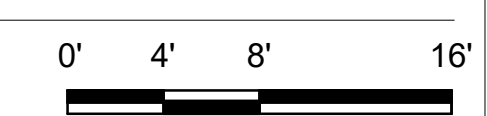
KEYNOTES

- 1. 14"x14" SUPPLY AND 16"x16" RETURN DUCT UP TO RTU-1 ON THE ROOF.
- 2. 14"x14" SUPPLY AND 16"x16" RETURN DUCT UP TO RTU-2 ON THE ROOF.
- 3. 14"x14" SUPPLY AND 16"x16" RETURN DUCT UP TO RTU-3 ON THE ROOF.
- 4. 14"x14" SUPPLY AND 16"x16" RETURN DUCT UP TO RTU-4 ON THE ROOF.
- 5. 16"x16" SUPPLY AND 18"x18" RETURN DUCT UP TO RTU-5 ON THE ROOF.
- 6. PROVIDE CEILING MOUNTED EXHAUST FAN. SUPPORT FAN FROM STRUCTURE WITH 1" x 18 GAUGE GALVANIZED SHEET METAL SUPPORT STRAPS. INSTALL STRAPS AT FAN CORNERS AND PERPENDICULAR TO STRUCTURE. TRANSITION FROM FAN DISCHARGE TO DUCT SIZE SHOWN AND EXTEND DUCT UP THRU ROOF. COORDINATE WITH STRUCTURE. TERMINATE EXHAUST DUCT ABOVE ROOF WITH ROOF JACK, STORM COLLAR AND ALL-WEATHER CAP.
- 7. EXTEND 6" DIA EXHAUST DUCT FROM CEILING MOUNTED EXHAUST UP THROUGH ROOF AND TERMINATE WITH RAIN CAP. FLASH DUCT AND ROOF PENETRATION PER ARCHITECTURAL DETAILS.

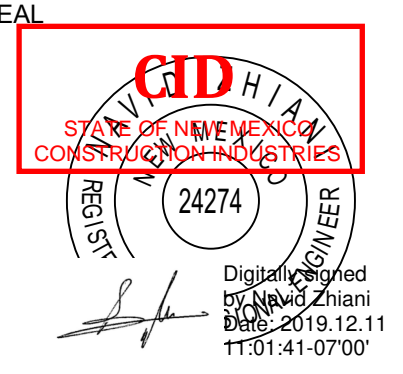


A4 HVAC FLOOR PLAN - AREA A

SCALE: 1/8" = 1'-0"







PROJECT



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

CONSTRUCTION DOCUMENTS

REVISIONS table with 5 empty rows for revision tracking.

Metadata table including fields for DRAWN BY, REVIEWED BY, DATE, PROJECT NO, PSFA PRE-K PROJECT NO, PSFA SYSTEMS PROJECT NO, and DRAWING NAME.

HVAC FLOOR PLAN - AREA B

SHEET NO. MH100B

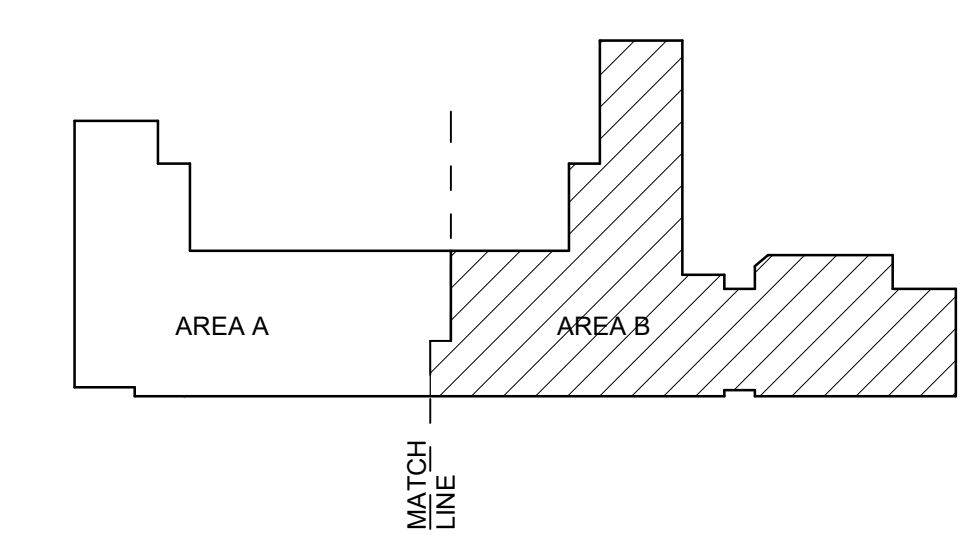
GENERAL SHEET NOTES

- A. ALL INTERIOR CONCEALED SUPPLY SHALL BE WRAPPED WITH 1.5" TYPE D-1. SEE SPECIFICATION 230700 FOR ADDITIONAL INSULATION INFORMATION.
B. ALL INTERIOR RETURN AIR DUCTWORK SHALL BE ACOUSTICALLY LINED WITH 1" TYPE D-3. SEE SPECIFICATION 230700 FOR ADDITIONAL INSULATION INFORMATION.
C. THE FIRST 10 FT. (MINIMUM) AND EXHAUST DUCTWORK UPSTREAM OF EXHAUST FANS SHALL BE ACOUSTICALLY LINED WITH TYPE D-3. SEE SPECIFICATION 230700 FOR ADDITIONAL INSULATION INFORMATION.
D. ALL BRANCH DUCTWORK TO SUPPLY DIFFUSERS SHALL BE SIZED TO MATCH NECK SIZE OF DIFFUSER AS INDICATED ON "GRILLE AND DIFFUSER" SCHEDULE ON SHEET M-701.
E. ALL BRANCH DUCTWORK TO SUPPLY DIFFUSERS AND EXHAUST GRILLES NOT FURNISHED WITH OPPOSED BLADE DAMPERS SHALL INCLUDE BALANCING DAMPER WITH LOCKING QUADRANT.
F. COORDINATE ALL DUCT AND PIPE ROUTING AND INSTALLATION WITH STRUCTURAL PLANS AND ARCHITECTURAL FLOOR PLANS.
G. ALL EXPOSED DUCTWORK AND GRILLES SHALL BE CLEANED, DEGREASED AND PREPPED FOR PAINTING. DUCTWORK SHALL BE PAINTED PER ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
H. 24X24 CEILING ACCESS DOORS SHALL BE PROVIDED AT ALL BALANCING DAMPERS, FIRE DAMPERS AND DUCT MOUNTED SMOKE DETECTOR LOCATIONS ABOVE HARD CEILINGS.
I. INSTALL T-STAT ON WALL 48" A.F.F. COORDINATE INSTALLATION WITH ANY ELECTRICAL DEVICES. PROVIDE CLEAR VENTED LOCKABLE T-STAT COVER USE METAL LOCKING COVER IN STUDENT AREAS.

KEYNOTES

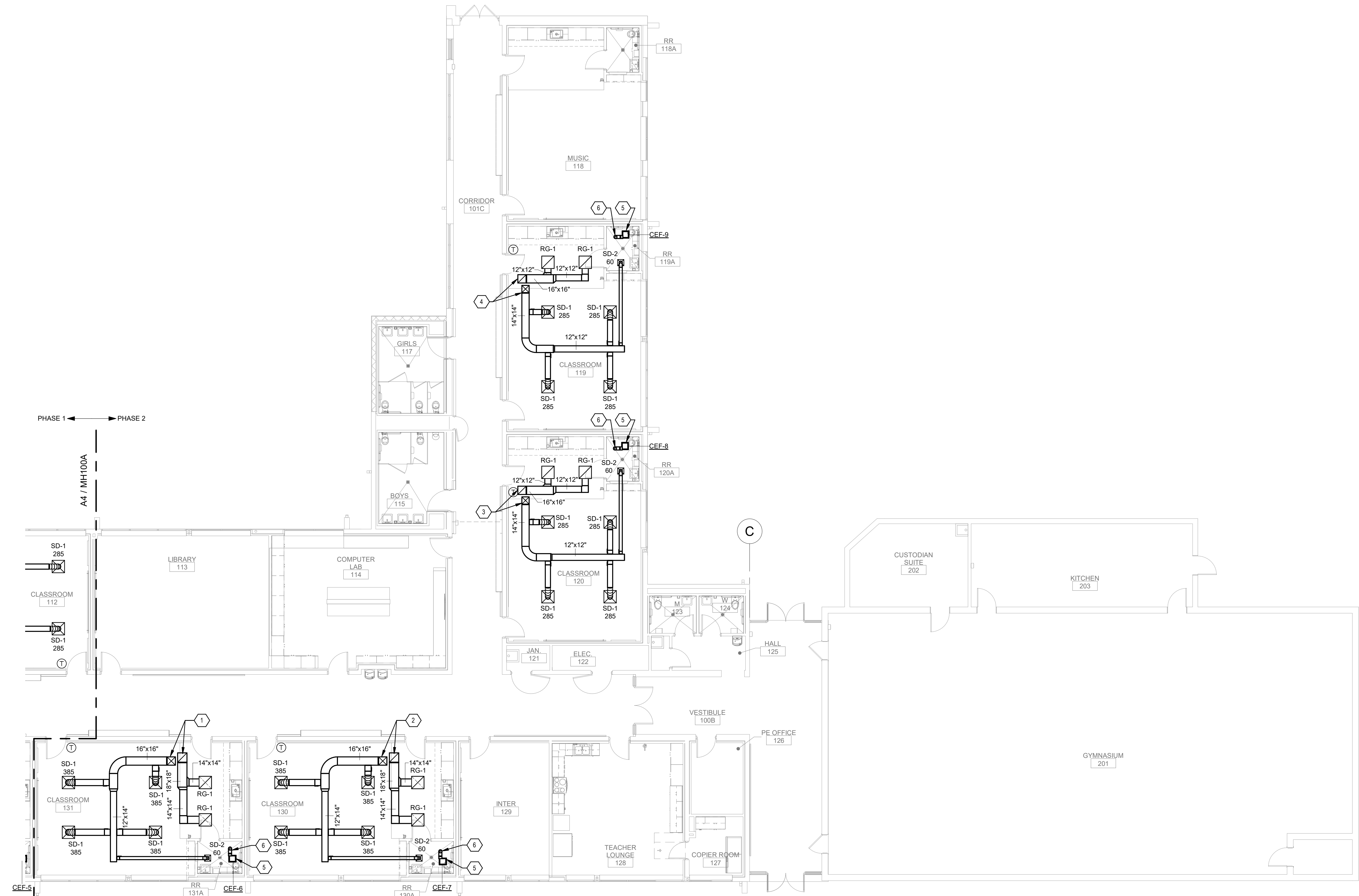
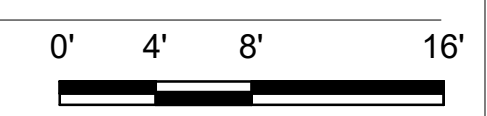
- 1. 16"x16" SUPPLY AND 18"x18" RETURN DUCT UP TO RTU-6 ON THE ROOF.
2. 16"x16" SUPPLY AND 18"x18" RETURN DUCT UP TO RTU-7 ON THE ROOF.
3. 14"x14" SUPPLY AND 16"x16" RETURN DUCT UP TO RTU-8 ON THE ROOF.
4. 14"x14" SUPPLY AND 16"x16" RETURN DUCT UP TO RTU-9 ON THE ROOF.
5. PROVIDE CEILING MOUNTED EXHAUST FAN, SUPPORT FAN FROM STRUCTURE WITH 1" x 16 GAUGE GALVANIZED SHEET METAL SUPPORT STRAPS. INSTALL STRAPS AT FAN CORNERS AND PERPENDICULAR TO STRUCTURE. TRANSITION FROM FAN DISCHARGE TO DUCT SIZE SHOWN AND EXTEND DUCT UP THRU ROOF. COORDINATE WITH STRUCTURE. TERMINATE EXHAUST DUCT ABOVE ROOF WITH ROOF JACK, STORM COLLAR AND ALL-WEATHER CAP.
6. EXTEND 6" DIA EXHAUST DUCT FROM CEILING MOUNTED EXHAUST UP THROUGH ROOF AND TERMINATE WITH RAIN CAP. FLASH DUCT AND ROOF PENETRATION PER ARCHITECTURAL DETAILS.

KEYPLAN



A4 HVAC FLOOR PLAN - AREA B

SCALE: 1/8" = 1'-0"



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Bridgers & Paxton Project No. 8022



Portales Brown Early Childhood Center, Project #S20-008, PSCOC FUNDED

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DRAWN BY	NZ
REVIEWED BY	AS
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO	K-18-011
PSFA SYSTEMS PROJECT NO	S-20-008
DRAWING NAME	

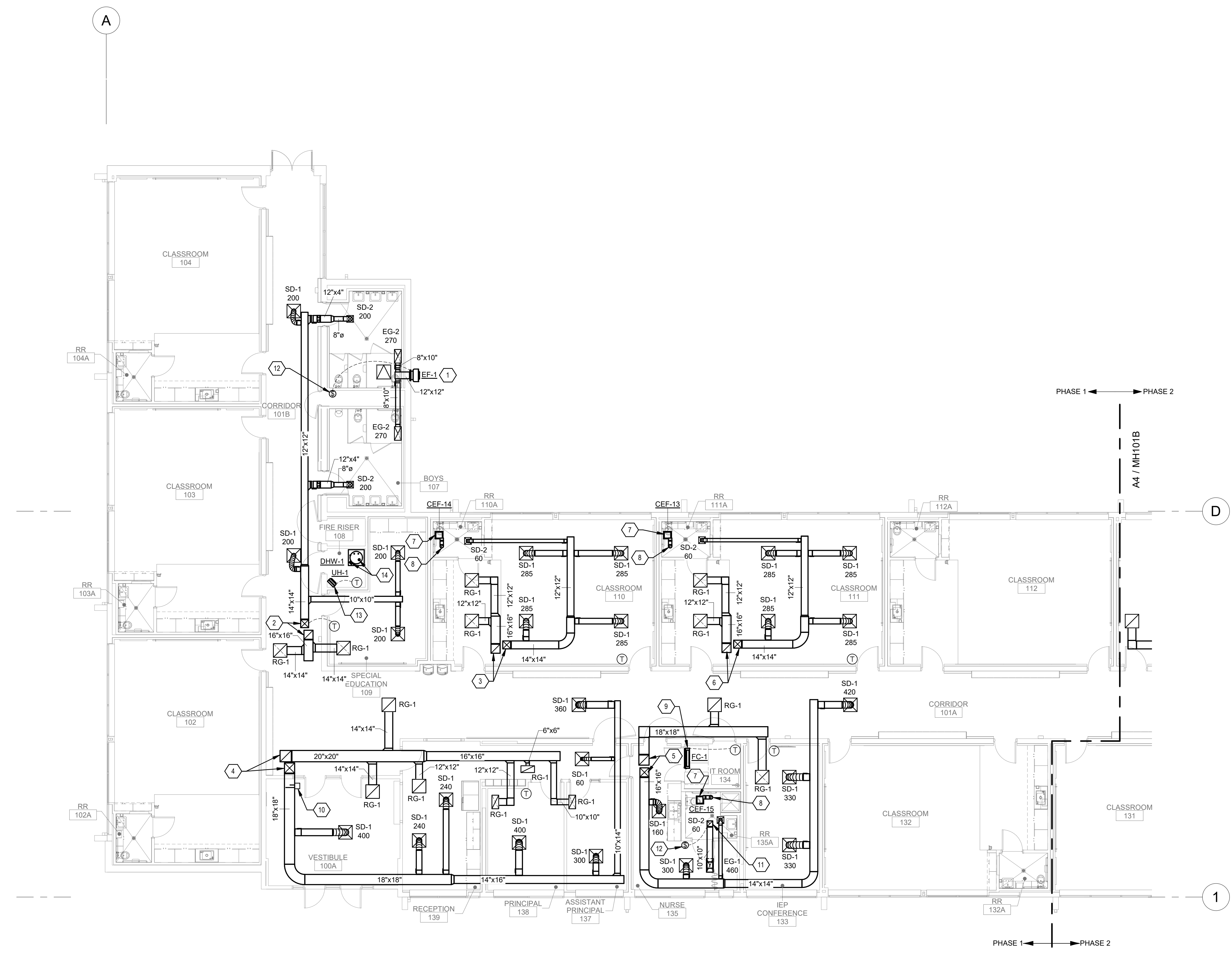
HVAC FLOOR PLAN - AREA A - BID LOT #1

**GENERAL SHEET NOTES**

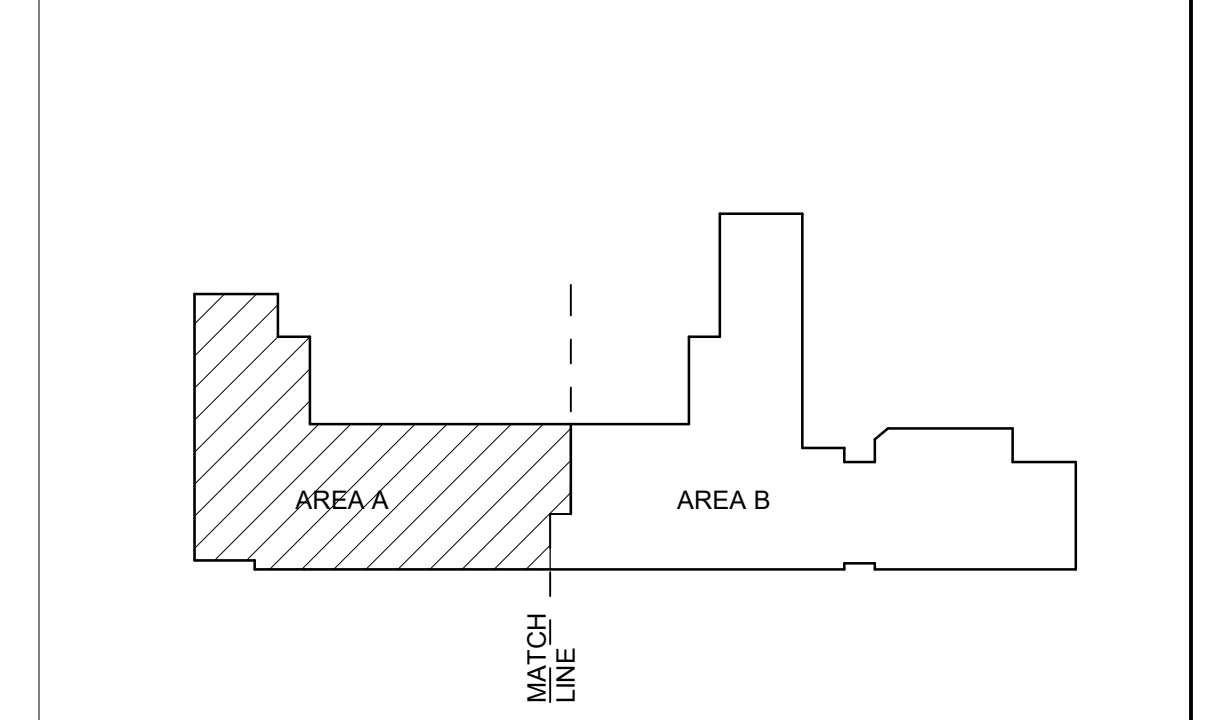
- A. ALL INTERIOR CONCEALED SUPPLY SHALL BE WRAPPED WITH 1.5" TYPE D-1. SEE SPECIFICATION 230700 FOR ADDITIONAL INSULATION INFORMATION.
- B. ALL INTERIOR RETURN AIR DUCTWORK SHALL BE ACoustically LINED WITH 1" TYPE D-3. SEE SPECIFICATION 230700 FOR ADDITIONAL INSULATION INFORMATION.
- C. THE FIRST 10 FT. (MINIMUM) AND EXHAUST DUCTWORK UPSTREAM OF EXHAUST FANS SHALL BE ACoustically LINED WITH TYPE D-3. SEE SPECIFICATION 230700 FOR ADDITIONAL INSULATION INFORMATION.
- D. ALL BRANCH DUCTWORK TO SUPPLY DIFFUSERS SHALL BE SIZED TO MATCH NECK SIZE OF DIFFUSER AS INDICATED ON "GRILLE AND DIFFUSER" SCHEDULE ON SHEET M-701.
- E. ALL BRANCH DUCTWORK TO SUPPLY DIFFUSERS AND EXHAUST GRILLES NOT FURNISHED WITH OPPOSED BLADE DAMPERS SHALL INCLUDE BALANCING DAMPER WITH LOCKING QUADRANT.
- F. COORDINATE ALL DUCT AND PIPE ROUTING AND INSTALLATION WITH STRUCTURAL PLANS AND ARCHITECTURAL FLOOR PLANS.
- G. ALL EXPOSED DUCTWORK AND GRILLES SHALL BE CLEANED, DEGREASED AND PREPPED FOR PAINTING. DUCTWORK SHALL BE PAINTED PER ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
- H. 24X24 CEILING ACCESS DOORS SHALL BE PROVIDED AT ALL BALANCING DAMPERS, FIRE DAMPERS AND DUCT MOUNTED SMOKE DETECTOR LOCATIONS ABOVE HARD CEILINGS.
- I. INSTALL T-STAT ON WALL 48" A.F.F. COORDINATE INSTALLATION WITH ANY ELECTRICAL DEVICES. PROVIDE CLEAR VENTED LOCKABLE T-STAT COVER. USE METAL LOCKING COVER IN STUDENT AREAS.

**KEYNOTES**

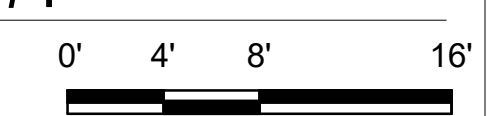
1. SIDEWALL EXHAUST FAN WITH BACKDRAFT DAMPER ON WALL. EXTEND HORIZONTAL EXHAUST DUCTWORK THROUGH WALL AND CONNECT TO EXHAUST FAN. CAULK AND SEAL WALL OPENING WATER TIGHT.
2. 14"x14" SUPPLY AND 16"x16" RETURN DUCT UP TO RTU-18 ON THE ROOF.
3. 14"x14" SUPPLY AND 16"x16" RETURN DUCT UP TO RTU-13 ON THE ROOF.
4. 16"x16" SUPPLY AND 20"x20" RETURN DUCT UP TO RTU-17 ON THE ROOF.
5. 16"x16" SUPPLY AND 18"x18" RETURN DUCT UP TO RTU-16 ON THE ROOF.
6. 14"x14" SUPPLY AND 16"x16" RETURN DUCT UP TO RTU-12 ON THE ROOF.
7. PROVIDE CEILING MOUNTED EXHAUST FAN SUPPORT FAN FROM STRUCTURE WITH 1" x 18 GAUGE GALVANIZED SHEET METAL SUPPORT STRAPS. INSTALL STRAPS AT FAN CORNERS AND PERPENDICULAR TO STRUCTURE. TRANSITION FROM FAN DISCHARGE TO DUCT SIZE SHOWN AND EXTEND DUCT UP THRU ROOF. COORDINATE WITH STRUCTURE. TERMINATE EXHAUST DUCT ABOVE ROOF WITH ROOF JACK, STORM COLLAR AND ALL-WEATHER CAP.
8. EXTEND 6" DIA EXHAUST DUCT FROM CEILING MOUNTED EXHAUST UP THROUGH ROOF AND TERMINATE WITH RAIN CAP. FLASH DUCT AND ROOF PENETRATION PER ARCHITECTURAL DETAILS.
9. PROVIDE A/C UNIT WITH WALL MOUNTED T-STAT. INSTALL UNIT LEVEL ON WALL ABOVE DOOR FOR PROPER CONDENSATE DRAINAGE. DRAIN SIZED PER MANUFACTURER'S INSTRUCTIONS. COORDINATE CONDENSATE DRAIN WITH PLUMBING CONTRACTOR. PROVIDE LIQUID AND VAPOR PIPING. SIZE PIPING, TRAP AND SLOPE REFRIGERANT LINES PER MANUFACTURER'S INSTRUCTIONS. CONTRACTOR TO COORDINATE SHORTEST CONCEALED ROUTING TO ASSOCIATED REMOTE CONDENSING UNIT. PROVIDE ALL VALVES AND ACCESSORIES FOR A COMPLETE AND OPERATIONAL SYSTEM. REFER TO DETAILS AND EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
10. INSTALL SMOKE DETECTOR AND SAMPLING TUBES FURNISHED BY DIVISION 28 IN DUCTWORK.
11. 10"x16" EXHAUST DUCT UP TO EF-3 ON THE ROOF.
12. WALL MOUNTED TWIST TIMER (0 TO 60 MIN) FOR CONTROL OF FAN. COORDINATE WIRING WITH DIV. 26 CONTRACTOR.
13. NEW WALL MOUNTED ELECTRIC UNIT HEATER AT 7'-0". SET INTERNAL THERMOSTAT TO ENERGIZE HEATER AT 60° (ADJUSTABLE).
14. 3" DIA. FLUE AND 3" COMBUSTION AIR DUCT FROM WATER HEATER UP TO ROOF. REFER TO MANUFACTURER'S VENTING REQUIREMENTS. FLUE AND COMBUSTION AIR SHALL BE INSTALLED WITH MANUFACTURER'S VENTING COMPONENTS AND MATERIAL. TERMINATE FLUE MINIMUM 3 FT ABOVE COMBUSTION AIR DUCT AND INTAKE OPENINGS WITHIN 10 FT.



**KEYPLAN**



**A4 HVAC FIRST FLOOR PLAN - AREA A - BID LOT #1**  
SCALE: 1/8" = 1'-0"





Portales Brown Early Childhood Center, Project #S20-008, PSCOC FUNDED

REVISIONS

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DRAWN BY	NZ
REVIEWED BY	AS
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

**HVAC FLOOR PLAN - AREA B - BID LOT #1**

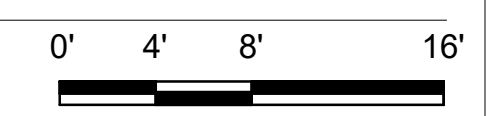
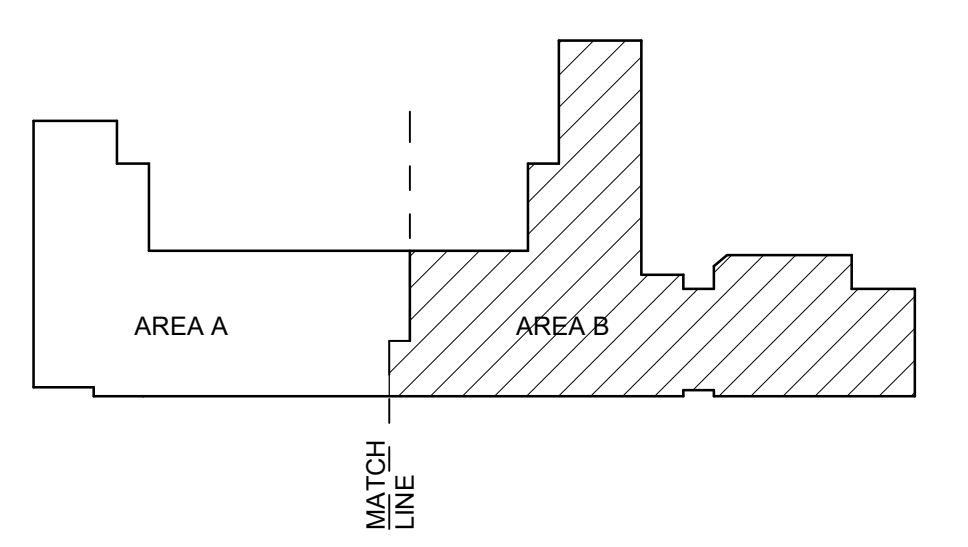
**GENERAL SHEET NOTES**

- A. ALL INTERIOR CONCEALED SUPPLY SHALL BE WRAPPED WITH 1.5" TYPE D-1. SEE SPECIFICATION 230700 FOR ADDITIONAL INSULATION INFORMATION.
- B. ALL INTERIOR RETURN AIR DUCTWORK SHALL BE ACOUSTICALLY LINED WITH 1" TYPE D-3. SEE SPECIFICATION 230700 FOR ADDITIONAL INSULATION INFORMATION.
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- F. COORDINATE ALL DUCT AND PIPE ROUTING AND INSTALLATION WITH STRUCTURAL PLANS AND ARCHITECTURAL FLOOR PLANS.
- G. ALL EXPOSED DUCTWORK AND GRILLES SHALL BE CLEANED, DEGREASED AND PREPPED FOR PAINTING. DUCTWORK SHALL BE PAINTED PER ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
- H. 24X24 CEILING ACCESS DOORS SHALL BE PROVIDED AT ALL BALANCING DAMPERS, FIRE DAMPERS AND DUCT MOUNTED SMOKE DETECTOR LOCATIONS ABOVE HARD CEILINGS.
- I. INSTALL T-STAT ON WALL 48" A.F.F. COORDINATE INSTALLATION WITH ANY ELECTRICAL DEVICES. PROVIDE CLEAR VENTED LOCKABLE T-STAT COVER. USE METAL LOCKING COVER IN STUDENT AREAS.

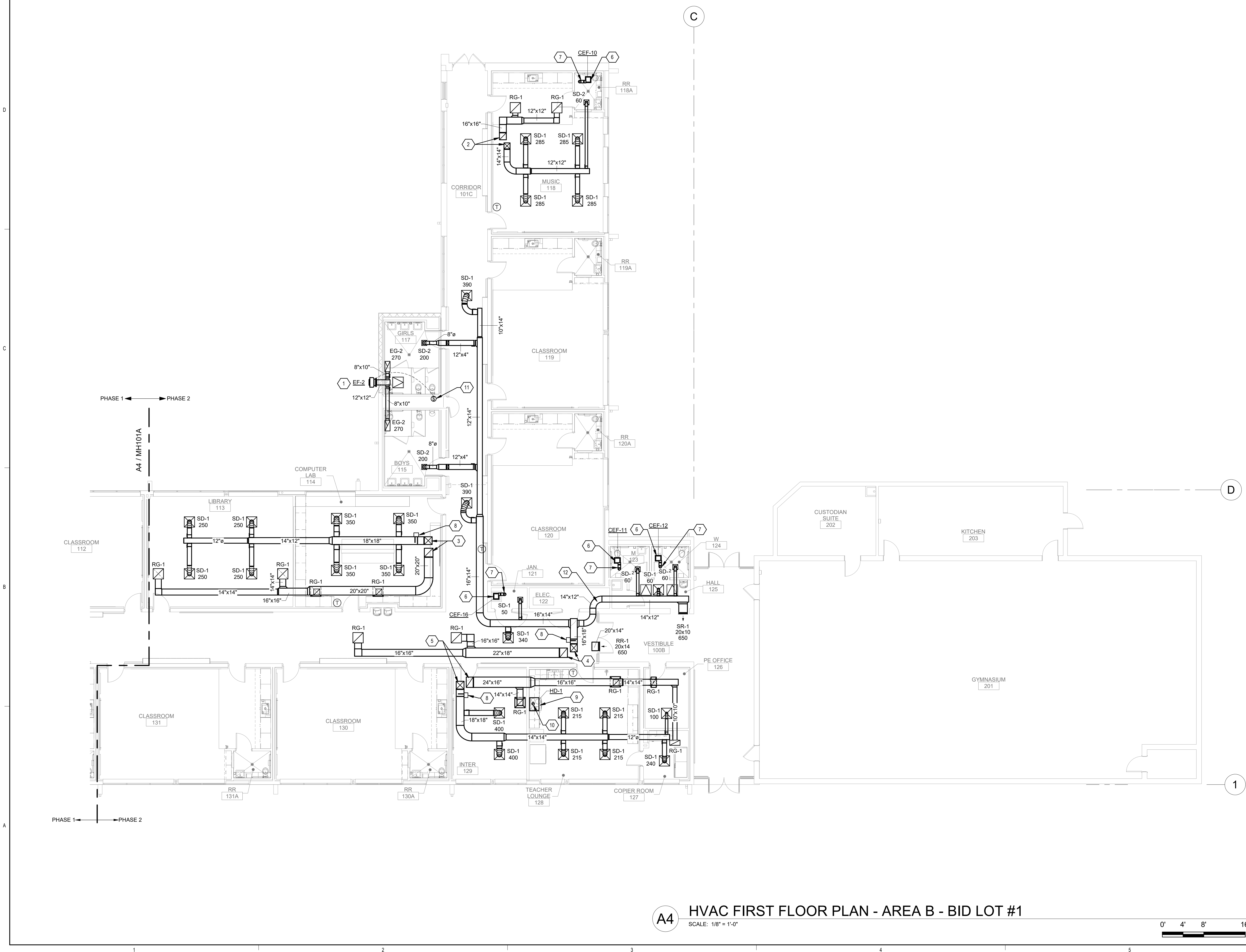
**KEYNOTES**

1. SIDEWALL EXHAUST FAN WITH BACKDRAFT DAMPER ON WALL. EXTEND HORIZONTAL EXHAUST DUCTWORK THROUGH WALL AND CONNECT TO EXHAUST FAN. CAULK AND SEAL WALL OPENING WATER TIGHT.
2. 14"x14" SUPPLY AND 16"x16" RETURN DUCT UP TO RTU-10 ON THE ROOF.
3. 18"x18" SUPPLY AND 20"x20" RETURN DUCT UP TO RTU-11 ON THE ROOF.
4. 16"x18" SUPPLY AND 22"x18" RETURN DUCT UP TO RTU-15 ON THE ROOF.
5. 18"x18" SUPPLY AND 24"x18" RETURN DUCT UP TO RTU-14 ON THE ROOF.
6. PROVIDE CEILING MOUNTED EXHAUST FAN. SUPPORT FAN FROM STRUCTURE WITH 1" x 18 GAUGE GALVANIZED SHEET METAL SUPPORT STRAPS. INSTALL STRAPS AT FAN CORNERS AND PERPENDICULAR TO STRUCTURE. TRANSITION FROM FAN DISCHARGE TO DUCT SIZE SHOWN AND EXTEND DUCT UP THRU ROOF. COORDINATE WITH STRUCTURE. TERMINATE EXHAUST DUCT ABOVE ROOF WITH ROOF JACK, STORM COLLAR AND ALL-WEATHER CAP.
7. EXTEND 6" DIA EXHAUST DUCT FROM CEILING MOUNTED EXHAUST UP THROUGH ROOF AND TERMINATE WITH RAIN CAP. FLASH DUCT AND ROOF PENETRATION PER ARCHITECTURAL DETAILS.
8. INSTALL SMOKE DETECTOR AND SAMPLING TUBES FURNISHED BY DIVISION 28 IN DUCTWORK.
9. RESIDENTIAL HOOD (HD-1) MOUNTED 30" ABOVE COOK TOP. COORDINATE INSTALLATION WITH KITCHEN CABINETS AND DIV 26. INSTALL HOOD WITH ASSOCIATED DUCT PER MANUFACTURERS INSTRUCTIONS. WRAP THE FLUE PER MANUFACTURERS REQUIREMENT. SEE MECHANICAL SCHEDULE M-701 FOR ADDITIONAL INFO.
10. ROUTE 6" EXHAUST DUCT FROM HOOD UP TO THE ROOF. INSTALL PER MANUFACTURERS INSTRUCTIONS.
11. WALL MOUNTED TWIST TIMER (0 TO 60 MIN) FOR CONTROL OF FAN. COORDINATE WIRING WITH DIV. 26 CONTRACTOR.
12. PROVIDE DROP PAN BELOW SUPPLY DUCT IN ELEC ROOM.

**KEYPLAN**

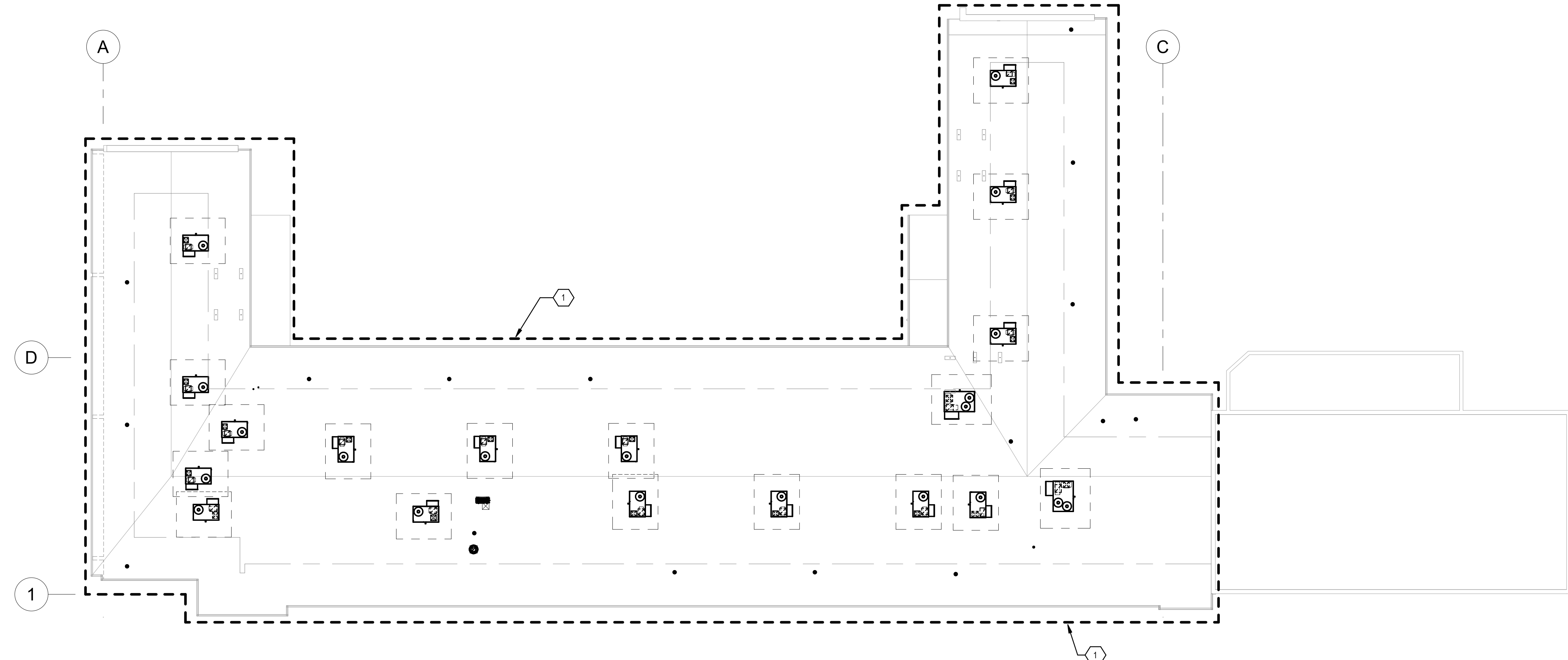


**A4 HVAC FIRST FLOOR PLAN - AREA B - BID LOT #1**  
SCALE: 1/8" = 1'-0"



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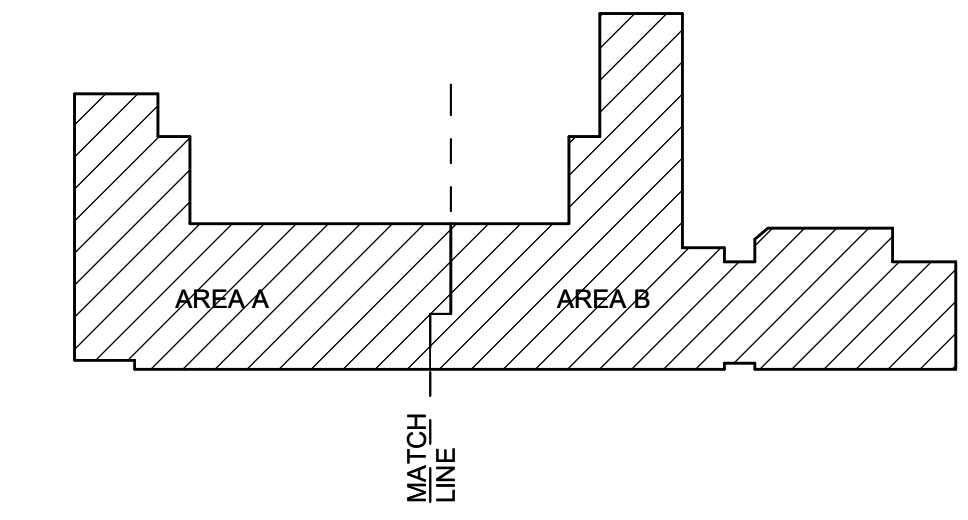
**GENERAL SHEET NOTES**

- A. SUPPLY AND RETURN AIR DUCTWORK LOCATED OUTSIDE BUILDING AND ABOVE ROOF SHALL BE INSULATED WITH 2" TYPE D-8 INSULATION AND JACKETED WITH TYPE J-1 METAL JACKETING. SEE SPECIFICATION 230700 FOR ADDITIONAL INSULATION INFORMATION.
- B. COORDINATE ALL DUCT AND PIPE ROUTING AND INSTALLATION WITH STRUCTURAL PLANS AND ARCHITECTURAL FLOOR PLANS.
- C. AT LOCATIONS WITH MULTIPLE CONDENSING UNITS, CONTRACTOR SHALL ORIENT THE FAN INLET AND DISCHARGE OF EACH UNIT SO THE HOT DISCHARGE AIR FROM ONE UNIT DOES NOT ENTER THE INLET OF ANOTHER UNIT.
- D. ALL LOW VOLTAGE WIRING (LESS THAN 50 VOLTS) SHALL BE PROVIDED DIV. 23. ALL WIRING (GREATER THAN 50 VOLTS) SHALL BE PROVIDED BY DIV. 26 OR OTHER WHERE NOTED.
- E. MAINTAIN MINIMUM 10 FT CLEARANCE BETWEEN PLUMBING VENTS, EXHAUST FANS AND OUTSIDE AIR INTAKES. COORDINATE DUCT PENETRATIONS THROUGH ROOF WITH STRUCTURAL DRAWINGS. ROOF OPENINGS SHALL BE BETWEEN STRUCTURAL BEAMS AND JOISTS.
- F. COORDINATE INSTALLATION OF HVAC EQUIPMENT WITH ELECTRICAL AND PLUMBING DISCIPLINES.
- G. ALL ROOF TOP UNITS SHALL BE INSTALLED TO MANUFACTURER'S SHOP DRAWING AND APPROPRIATE DETAILS.
- H. ALL ROOFTOP EQUIPMENT SHALL BE LABELED WITH 2" HIGH STENCIL LETTERS IN BLACK PAINT AND SHALL INCLUDE UNIT NUMBER. LABEL UNITS AS PER THE CLASSROOM NUMBER AND CIRCUIT NUMBER.

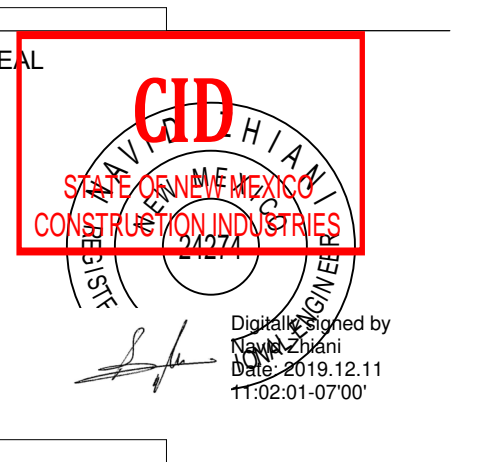
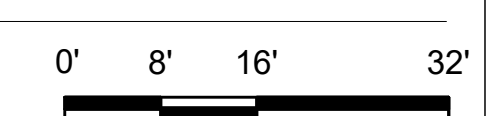
**KEYNOTES**

- 1. SEE SHEET MH140A, MH140B, MH141A AND MH141B FOR CONTINUATION.

**KEYPLAN**



**A4 MECHANICAL ROOF PLAN**  
SCALE: 1/16" = 1'-0"



PROJECT



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

**REVISIONS**

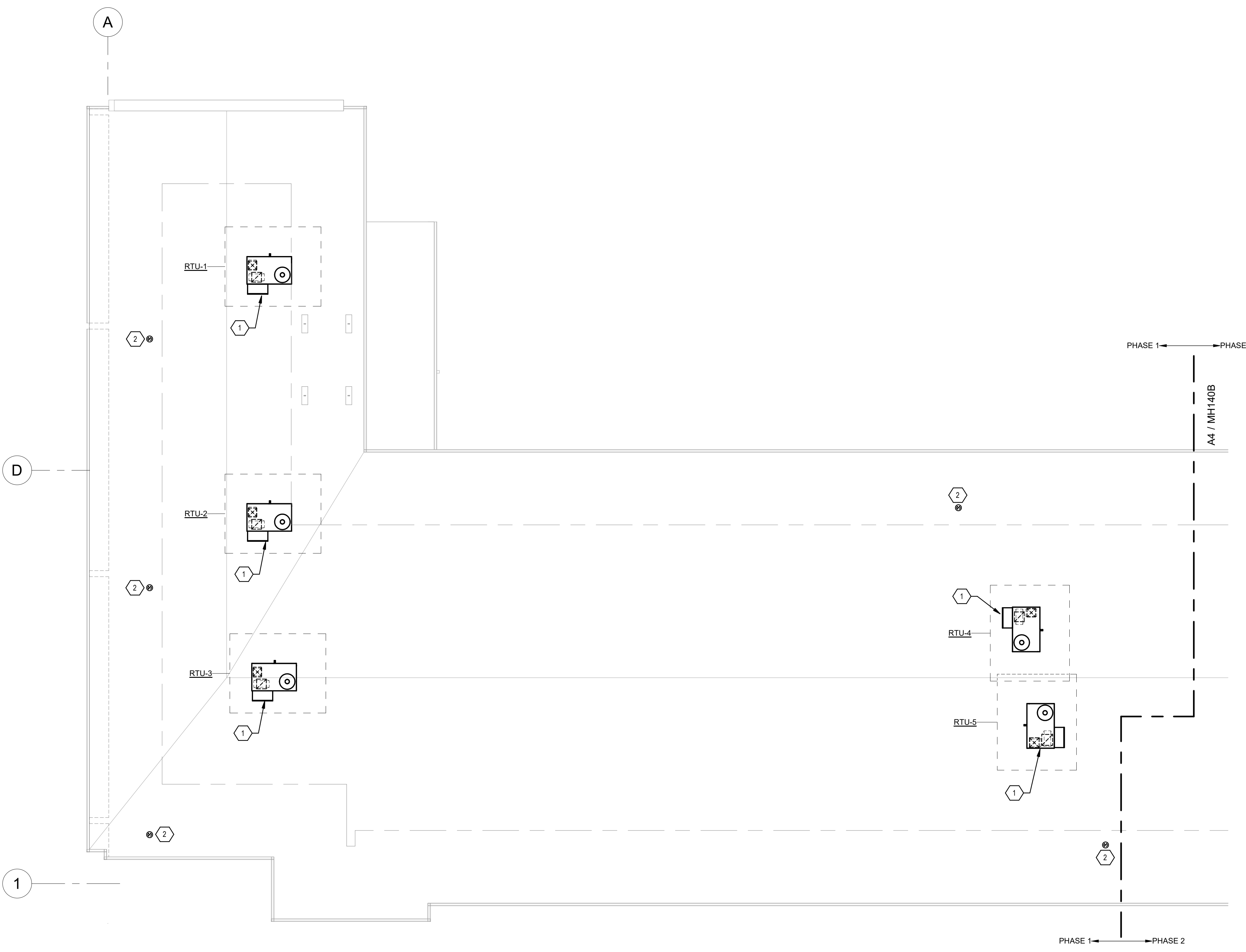
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REVIEWED BY	AS
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

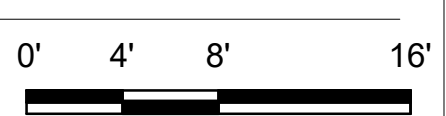
**MECHANICAL ROOF PLAN - OVERALL**

SHEET NO  
**MH140**





**A4** MECHANICAL ROOF PLAN - AREA A  
SCALE: 1/8" = 1'-0"



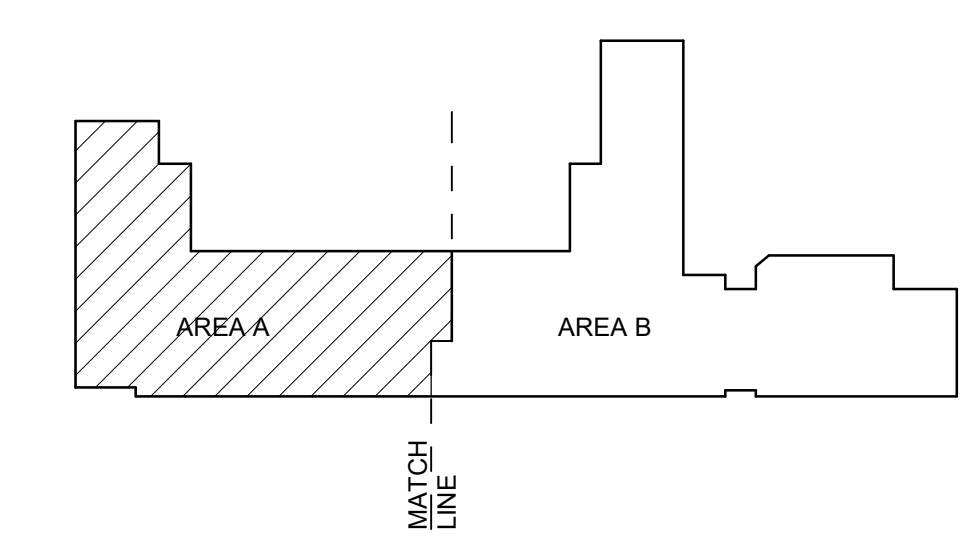
**GENERAL SHEET NOTES**

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- B. COORDINATE ALL DUCT AND PIPE ROUTING AND INSTALLATION WITH STRUCTURAL PLANS AND ARCHITECTURAL FLOOR PLANS.
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- D. ALL LOW VOLTAGE WIRING (LESS THAN 50 VOLTS) SHALL BE PROVIDED DIV. 23. ALL WIRING (GREATER THAN 50 VOLTS) SHALL BE PROVIDED BY DIV. 26 OR OTHER WHERE NOTED.
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- F. COORDINATE INSTALLATION OF HVAC EQUIPMENT WITH ELECTRICAL AND PLUMBING DISCIPLINES.
- G. ALL ROOF TOP UNITS SHALL BE INSTALLED TO MANUFACTURER'S SHOP DRAWING AND APPROPRIATE DETAILS.
- H. ALL ROOFTOP EQUIPMENT SHALL BE LABELED WITH 2" HIGH STENCIL LETTERS IN BLACK PAINT AND SHALL INCLUDE UNIT NUMBER. LABEL UNITS AS PER THE CLASSROOM NUMBER AND CIRCUIT NUMBER.

**KEYNOTES**

- 1. INSTALL ROOFTOP UNIT ON 14" TALL FACTORY ROOF CURB. ENSURE CURB AND UNIT IS INSTALLED LEVEL FOR PROPER CONDENSATE DRAINAGE FROM UNIT. PROVIDE FLEXIBLE CONNECTORS ON THE SUPPLY AND RETURN AIR DUCT CONNECTIONS AND TRANSITION TO DUCT SIZES SHOWN ON PLANS. EXTEND DUCTS DOWN THRU ROOF. COORDINATE WITH STRUCTURE. REFER TO MECHANICAL DETAILS AND EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
- 2. TERMINATE 6" DIA EXHAUST DUCT WITH RAIN CAP ON THE ROOF. SEE ARCHITECTURAL DETAILS FOR ROOF FLASHING DETAIL.

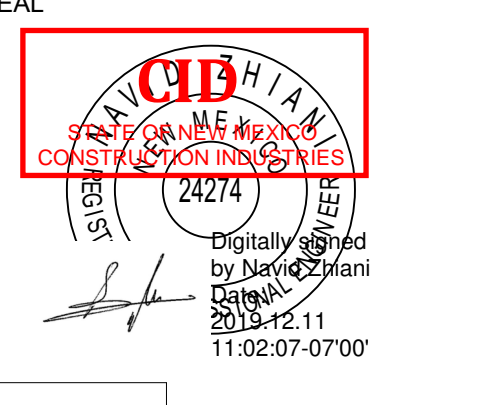
**KEYPLAN**



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505.263.4111 www.bpsa.com



PROJECT



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

REVISIONS

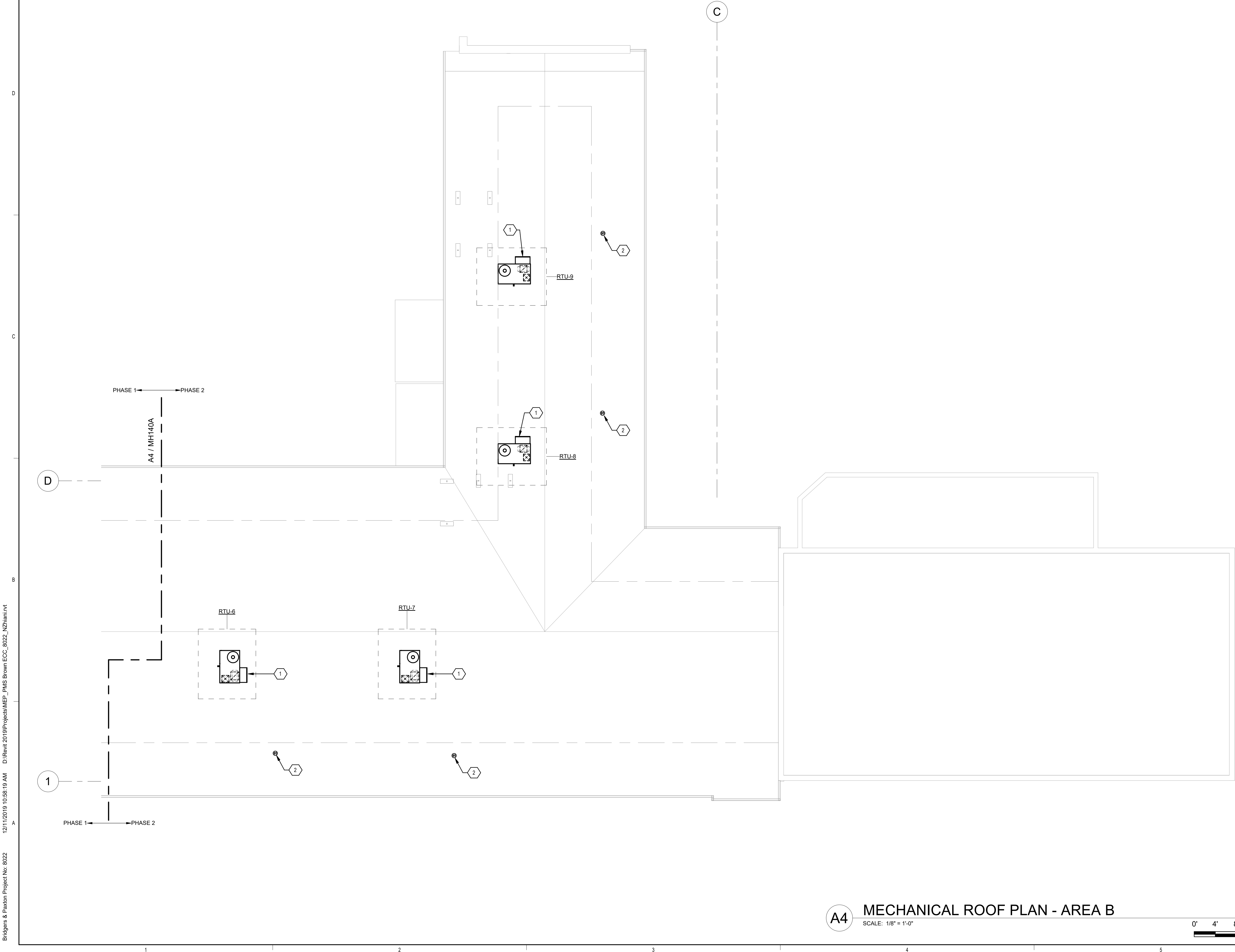
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DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

**MECHANICAL ROOF PLAN - AREA A**

SHEET NO  
**MH140A**





**GENERAL SHEET NOTES**

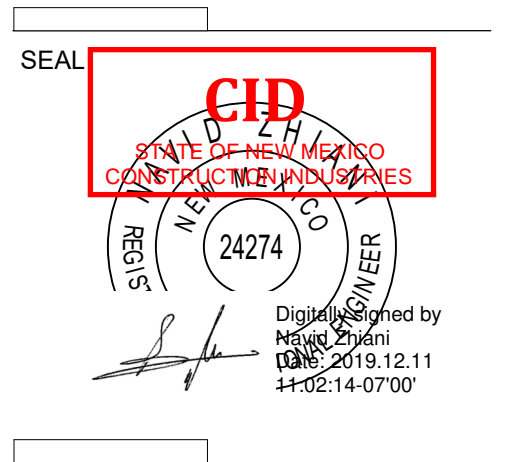
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2. TERMINATE 6" DIA EXHAUST DUCT WITH RAIN CAP ON THE ROOF. SEE ARCHITECTURAL DETAILS FOR ROOF FLASHING DETAIL.



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PROJECT



**Brown Early Childhood Center  
Old Wing Renovation**  
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**CONSTRUCTION DOCUMENTS**

REVISIONS

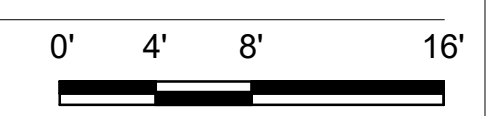
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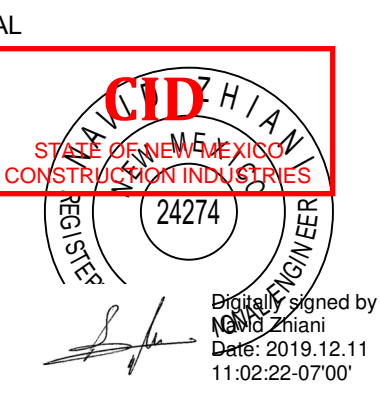
**MECHANICAL ROOF PLAN - AREA B**

SHEET NO  
**MH140B**

**A4 MECHANICAL ROOF PLAN - AREA B**  
SCALE: 1/8" = 1'-0"







PROJECT



**Brown Early Childhood Center  
Old Wing Renovation**  
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CONSTRUCTION DOCUMENTS

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PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

MECHANICAL ROOF PLAN - AREA A - BID LOT #1

SHEET NO  
MH141A

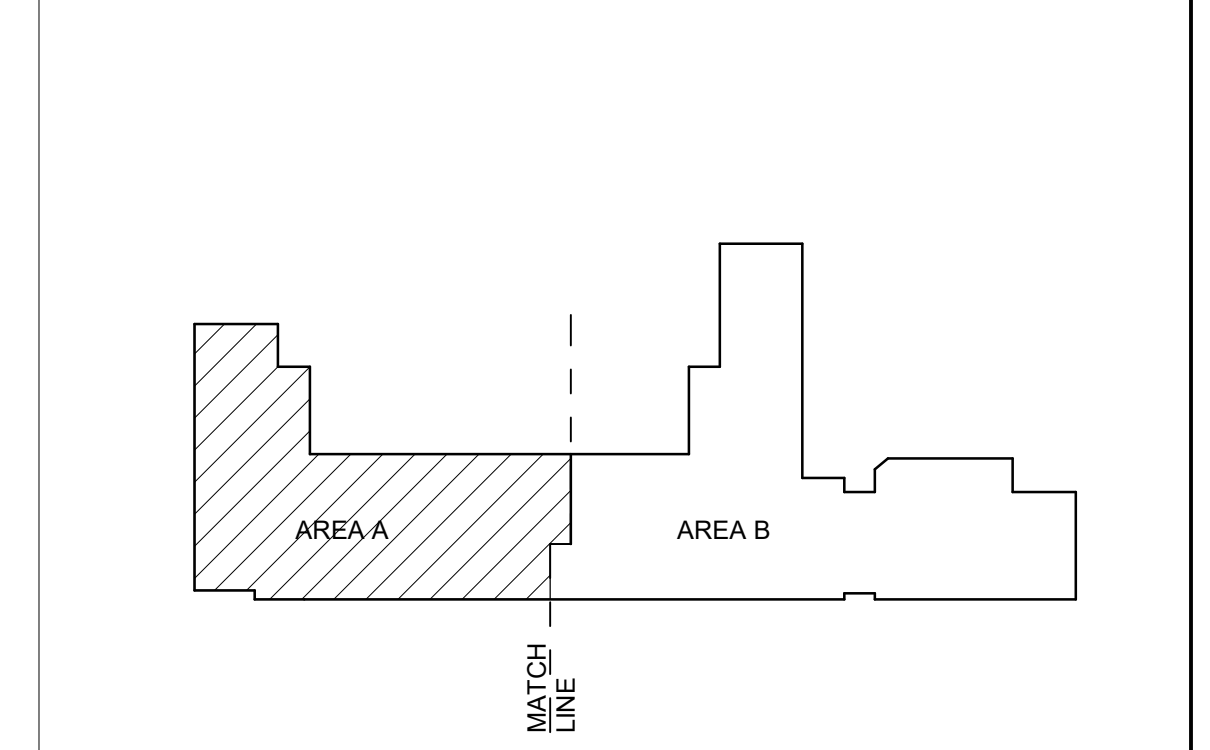
GENERAL SHEET NOTES

- A. SUPPLY AND RETURN AIR DUCTWORK LOCATED OUTSIDE BUILDING AND ABOVE ROOF SHALL BE INSULATED WITH 2" TYPE D-8 INSULATION AND JACKETED WITH TYPE J-1 METAL JACKETING. SEE SPECIFICATION 230700 FOR ADDITIONAL INSULATION INFORMATION.
- B. COORDINATE ALL DUCT AND PIPE ROUTING AND INSTALLATION WITH STRUCTURAL PLANS AND ARCHITECTURAL FLOOR PLANS.
- C. AT LOCATIONS WITH MULTIPLE CONDENSING UNITS, CONTRACTOR SHALL ORIENT THE FAN INLET AND DISCHARGE OF EACH UNIT SO THE HOT DISCHARGE AIR FROM ONE UNIT DOES NOT ENTER THE INLET OF ANOTHER UNIT.
- D. ALL LOW VOLTAGE WIRING (LESS THAN 50 VOLTS) SHALL BE PROVIDED DIV. 23. ALL WIRING (GREATER THAN 50 VOLTS) SHALL BE PROVIDED BY DIV. 26 OR OTHER WHERE NOTED.
- E. MAINTAIN MINIMUM 10 FT CLEARANCE BETWEEN PLUMBING VENTS, EXHAUST FANS AND OUTSIDE AIR INTAKES. COORDINATE DUCT PENETRATIONS THROUGH ROOF WITH STRUCTURAL DRAWINGS. ROOF OPENINGS SHALL BE BETWEEN STRUCTURAL BEAMS AND JOISTS.
- F. COORDINATE INSTALLATION OF HVAC EQUIPMENT WITH ELECTRICAL AND PLUMBING DISCIPLINES.
- G. ALL ROOF TOP UNITS SHALL BE INSTALLED TO MANUFACTURER'S SHOP DRAWING AND APPROPRIATE DETAILS.
- H. ALL ROOFTOP EQUIPMENT SHALL BE LABELED WITH 2" HIGH STENCIL LETTERS IN BLACK PAINT AND SHALL INCLUDE UNIT NUMBER. LABEL UNITS AS PER THE CLASSROOM NUMBER AND CIRCUIT NUMBER.

KEYNOTES

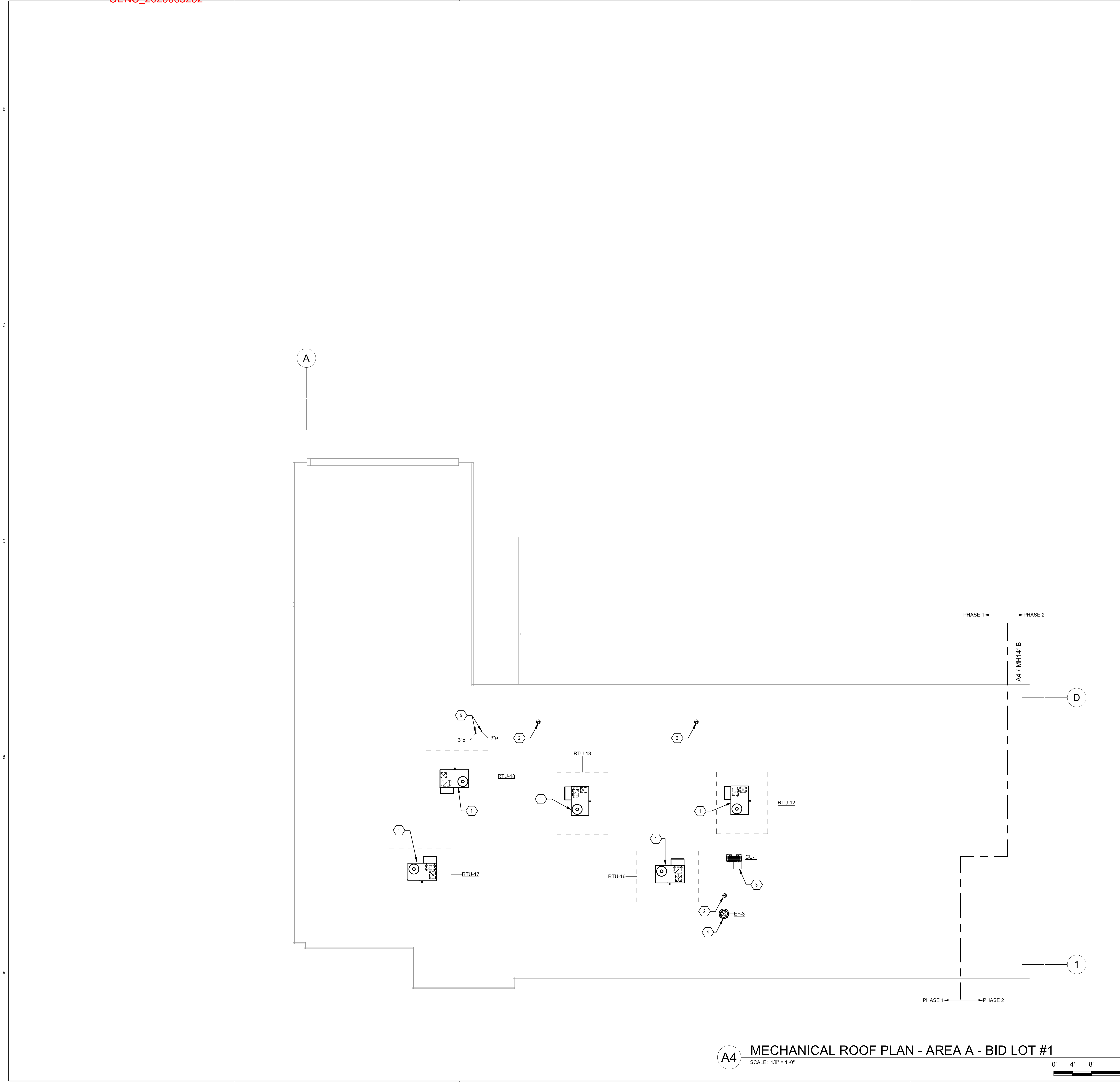
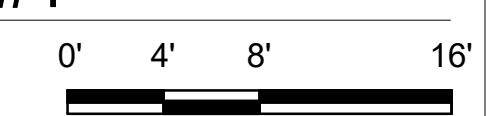
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- 2. TERMINATE 6" DIA EXHAUST DUCT WITH RAIN CAP ON THE ROOF. SEE ARCHITECTURAL DETAILS FOR ROOF FLASHING DETAIL.
- 3. INSTALL AND ANCHOR CONDENSING UNIT ON TWO ROOF SKIDS WITH RAILS INSIDE ROOF CURB. REFER TO DETAIL ASM-501 FOR ADDITIONAL INFORMATION AND REQUIREMENTS. PIPING ABOVE ROOF SHALL BE INDIVIDUALLY INSULATED WITH FIBERGLASS WRAP, TAPPED AT 1 FT INTERVALS AND ALUMINUM JACKETED. AT LOCATIONS WITH MULTIPLE CONDENSING UNITS, THE CONTRACTOR SHALL ORIENT THE FAN INLET AND DISCHARGE OF EACH UNIT SO THE HOT DISCHARGE AIR FROM ONE UNIT DOES NOT ENTER THE INLET OF ANOTHER UNIT.
- 4. INSTALL ROOF MOUNTED EXHAUST FAN ON 14" TALL ROOF CURB. PROVIDE BACKDRAFT DAMPER TRAY AND DAMPER INSIDE ROOF CURB. INSTALL EXHAUST FAN LEVEL. PROVIDE DUCT TRANSITION FROM OPENING TO DUCT SIZE SHOWN ON PLAN. TRANSITION DUCT IN CURB AND EXTEND DUCT DOWN THRU ROOF. COORDINATE WITH STRUCTURE. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
- 5. 3" DIA FLUE AND 3" COMBUSTION AIR DUCT FROM WATER HEATER AT LEVEL BELOW. REFER TO MANUFACTURER'S VENTING REQUIREMENTS. FLUE AND COMBUSTION AIR SHALL BE INSTALLED WITH MANUFACTURER'S VENTING COMPONENTS AND MATERIAL. TERMINATE FLUE MINIMUM 3 FT ABOVE COMBUSTION AIR DUCT AND INTAKE OPENINGS WITHIN 10 FT. OFFSET FLUE IN CEILING SPACE AS NEEDED.

KEYPLAN



A4 MECHANICAL ROOF PLAN - AREA A - BID LOT #1

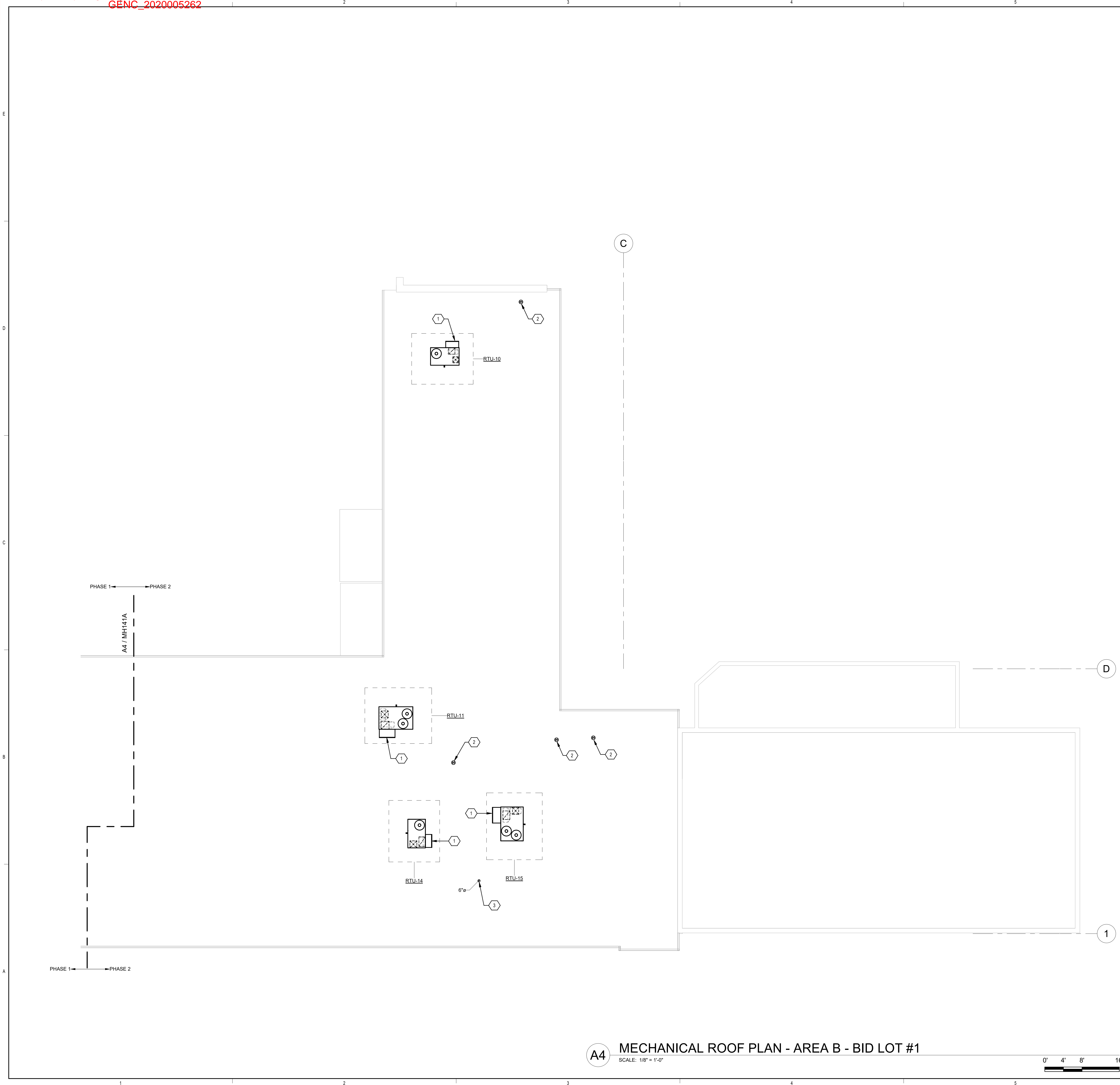
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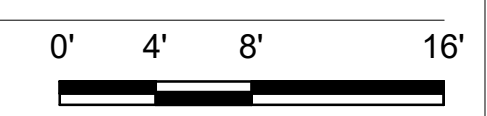
Portales Brown Early Childhood Center, Project #S20-008, PSFCC FUNDED

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Bridgers & Paxton Project No. 8022





**A4 MECHANICAL ROOF PLAN - AREA B - BID LOT #1**  
SCALE: 1/8" = 1'-0"



**GENERAL SHEET NOTES**

- SUPPLY AND RETURN AIR DUCTWORK LOCATED OUTSIDE BUILDING AND ABOVE ROOF SHALL BE INSULATED WITH 2" TYPE D-8 INSULATION AND JACKETED WITH TYPE J-1 METAL JACKETING. SEE SPECIFICATION 230700 FOR ADDITIONAL INSULATION INFORMATION.
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- TERMINATE 6" DIA EXHAUST DUCT WITH RAIN CAP ON THE ROOF. SEE ARCHITECTURAL DETAILS FOR ROOF FLASHING DETAIL.
- 6" DIA VENT FROM RESIDENTIAL HOOD. REFER TO MANUFACTURER'S VENTING REQUIREMENTS. VENT SHALL BE INSTALLED WITH MANUFACTURER'S VENTING COMPONENTS AND MATERIAL. VENT SHALL BE TERMINATED AT LEAST 10 FEET FROM RTU'S INTAKE. OFFSET VENT IN CEILING SPACE AS NEEDED.

**KEYPLAN**

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CONSTRUCTION INDUSTRIES DIVISION  
24274  
Professional Engineer  
Digital Signature  
by William Sprick  
Date: 2019.12.11  
#11C-20-0707

PROJECT  
**PUBLIC SCHOOL FACILITIES AUTHORITY**  
APPROVED  
William Sprick  
Professional Engineer

**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

REVISIONS

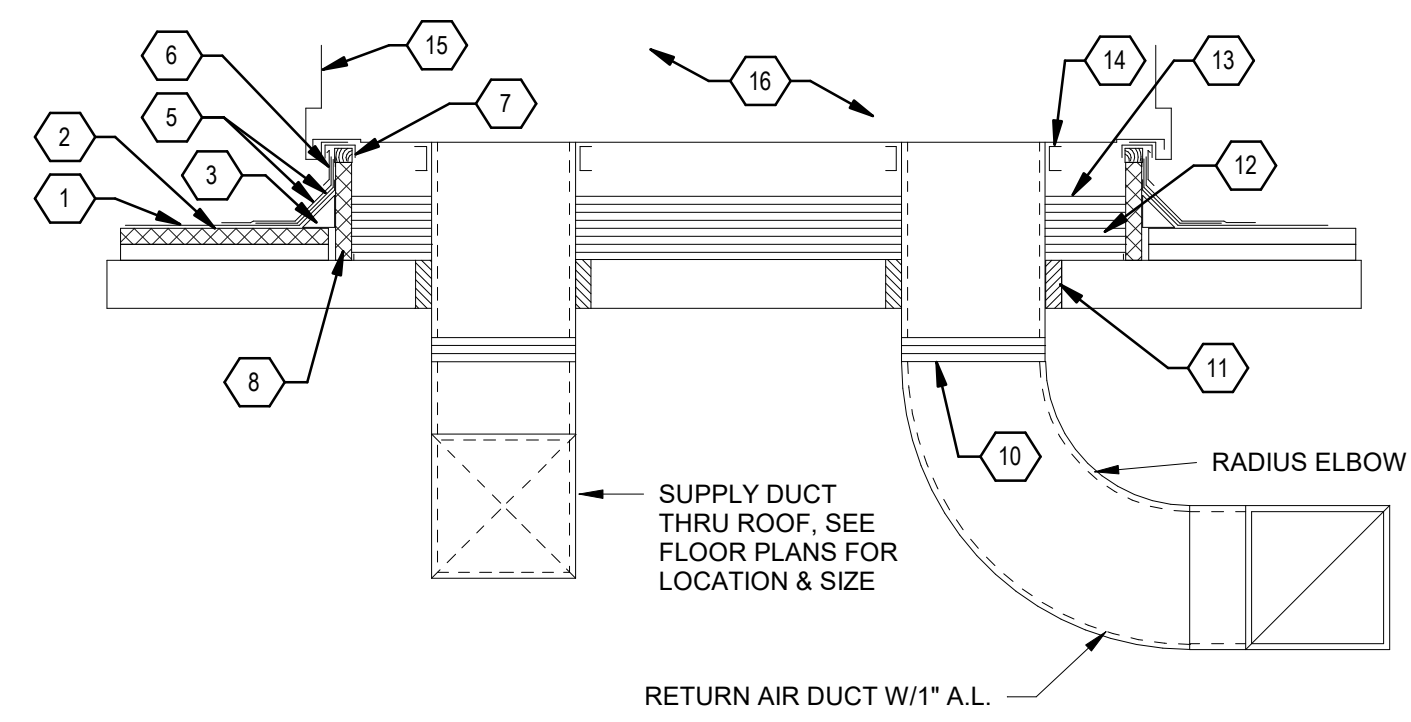
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PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

**MECHANICAL ROOF PLAN - AREA B - BID LOT #1**

SHEET NO  
**MH141B**

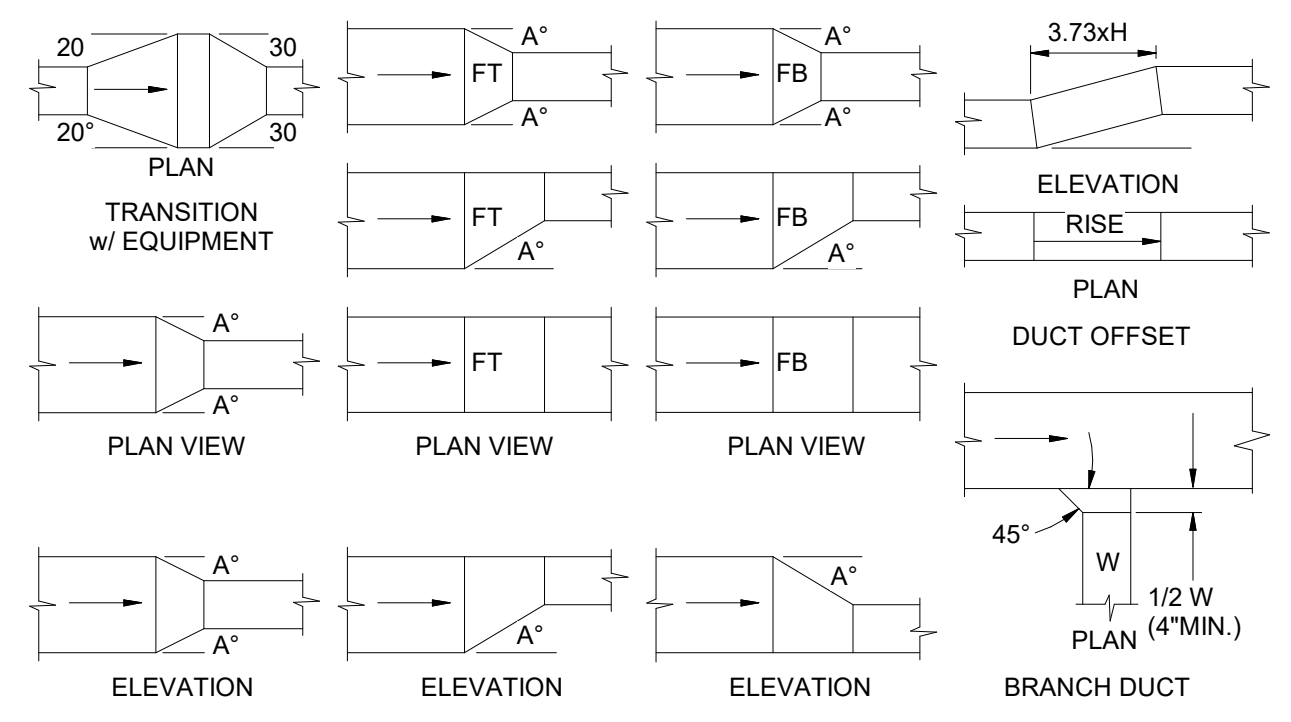




**KEYNOTES**

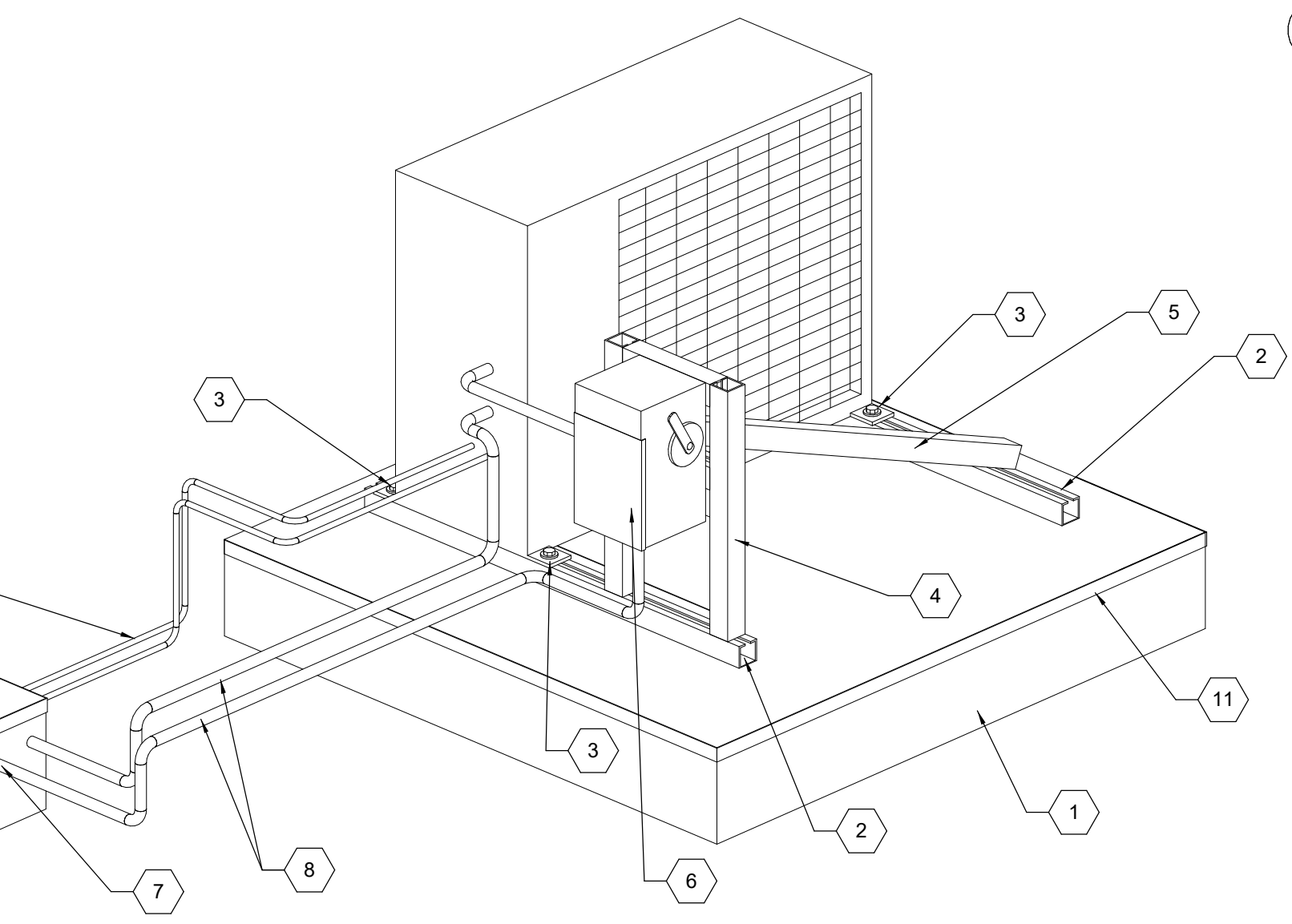
- EXISTING LIGHTWEIGHT PUMICE CONCRETE
- EXISTING RIGID INSULATION, VERIFY THICKNESS
- NEW FIBROUS CANT STRIP
- REPLACE ROOFING BENEATH UNIT WITH LIKE MATERIAL
- FLASHING
- COUNTERFLASHING
- SEAL STRIP
- ROOF CURB FOR EQUIPMENT
- EQUIPMENT SUPPORT CURB AS REQUIRED
- FLEX DUCT CONNECTOR
- SEAL SPACE BETWEEN DUCT AND ROOF OPENING WITH 3 LB DENSITY FIBERGLASS
- 4 LAYERS OF 1/2" GYPBOARD BELOW UNIT ON ROOF DECK (CONTINUOUS)
- INSTALL 4 LAYERS OF 1" 3 LB DENSITY FIBERGLASS DUCT BOARD BETWEEN UNIT AND GYPBOARD (CONTINUOUS)
- INSTALL RUBBER GASKETS BETWEEN DUCT FLANGE AND UNIT
- WHERE SPRING ISOLATION CURB IS SPECIFIED
- WHERE COMPRESSOR SECTION IS OUTSIDE OF CURB, A SIMILAR SOUND ATTENUATION ENCLOSURE BELOW COMPRESSORS SHALL BE PROVIDED. THE CONTRACTOR SHALL SUBMIT DRAWINGS FOR PROPOSED METHOD, FOR APPROVAL, PRIOR TO INSTALLATION

**A1 ROOF CURB DETAIL**  
SCALE = NONE



- NOTES**
- ANGLE A=30 MAXIMUM WHEN AIR FLOWS IN DIRECTION OF ARROS. (SUPPLY AIR)
  - ANGLE A=15 WHEN AIR FLOWS IN OPPOSITE DIRECTION OF ARROS (R.A. OR EXHAUST)

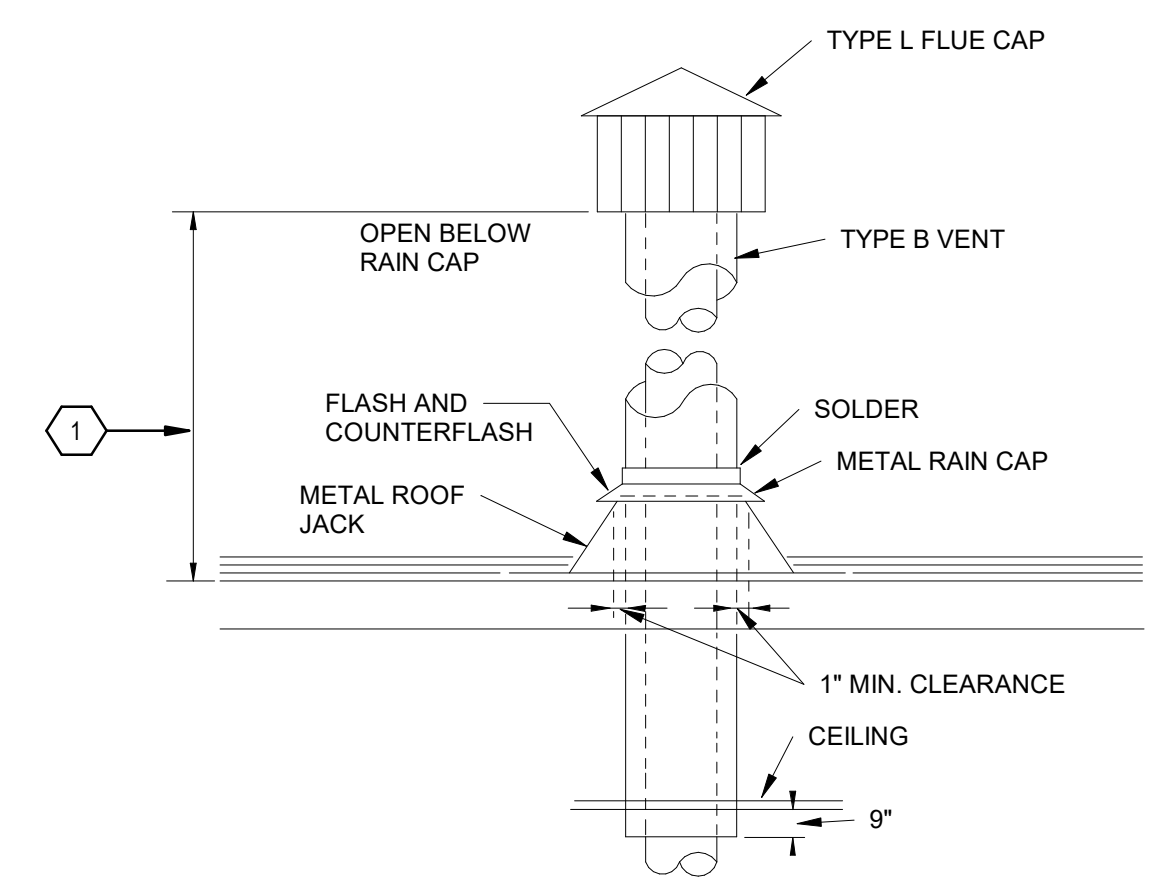
**B2 LOW PRESSURE DUCT FITTING DETAIL**  
SCALE = NONE



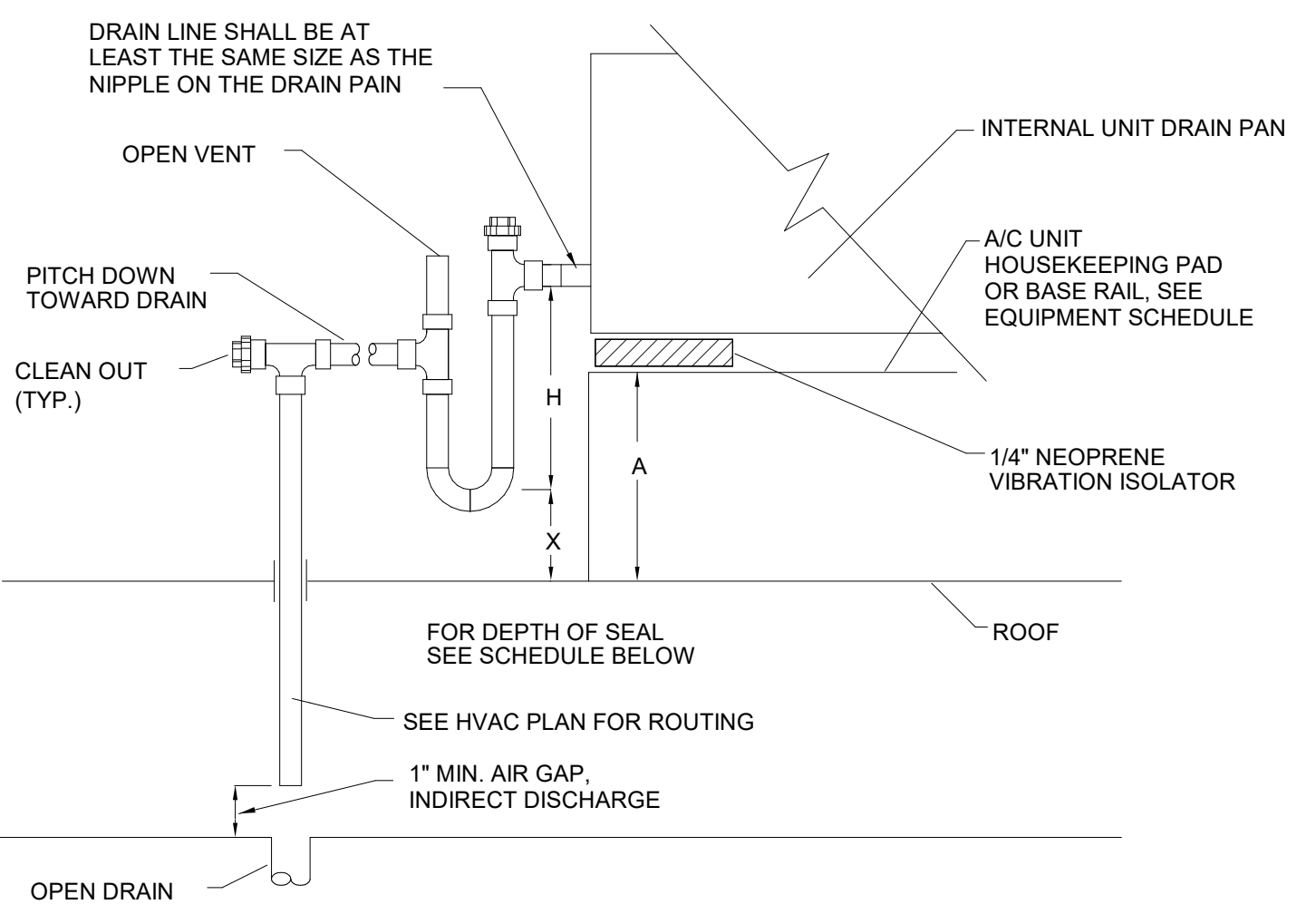
- ROOF CURB - PROVIDE ADDITIONAL WOOD NAILOR PIECES 2X6 INSIDE CURB FOR ANCHORING UNI-STRUT MOUNTING RAIL. SET ADDITIONAL WOOD NAILOR PIECES FLUSH WITH TOP OF CURB. COORDINATE SPACING OF WOOD NAILORS WITH CONDENSING UNIT MOUNTING HOLE DIMENSIONS.
- ANCHOR UNI-STRUT RAILS TO ROOF CURB WOOD NAILERS WITH LAG BOLTS. EXTEND LAG BOLTS THROUGH SHEET METAL CURB CAP. CAULK AND SEAL LAG BOLT PENETRATIONS. SEE NOTE 1.
- INSTALL AND ANCHOR OUTDOOR CONDENSING UNIT TO UNI-STRUT RAILS AND ROOF CURB AT FOUR MOUNTING BRACKET LOCATIONS FURNISHED WITH OUTDOOR CONDENSING UNIT.
- WHERE CONDENSING UNITS ARE LOCATED REMOTE FROM VERTICAL BUILDING SURFACES, PROVIDE UNI-STRUT STAND (BY DIVISION 23) FOR MOUNTING OF ELECTRICAL DISCONNECT. COORDINATE LOCATION WITH ELECTRICAL SHEETS AND DIVISION 26 CONTRACTOR.
- PROVIDE LATERAL BRACING FROM UNI-STRUT STAND TO OPPOSITE ROOF SKID.
- ELECTRICAL DISCONNECT - BY DIVISION 26
- CONDUIT AND POWER WIRING-BY DIV 26-ROUTE DOWN THROUGH ROOF VAULT HOUSING PROVIDED BY DIVISION 23.
- CONDUIT AND CONTROL WIRING BETWEEN INDOOR UNIT AND OUTDOOR CONDENSING UNIT. CONDUIT BY DIVISION 26 LOW VOLTAGE CONTROL WIRING BY DIVISION 23. ROUTE CONDUIT AND WIRING DOWN THROUGH ROOF WITH REFRIGERANT PIPING.
- REFRIGERANT PIPING WITH INSULATION PER SPECIFICATION 230700 FROM OUTDOOR CONDENSING UNIT DOWN THROUGH ROOF VAULT ASSEMBLY TO INDOOR UNIT. SEE "DX COIL PIPING SCHEMATIC" AND MANUFACTURERS PIPING INSTALLATION REQUIREMENTS.
- MANUFACTURED ROOF PENETRATION HOUSING - "THE VAULT" ROOF PENETRATION HOUSING- OR EQUIVALENT.
- 20 GAUGE SHEET METAL CURB CAP WITH DRIP EDGE.

**A3 ROOF TOP OUTDOOR CONDENSING UNIT DETAIL**  
SCALE = NONE

1 FLUE HEIGHT SHALL BE NO LESS THAN 3'-0" (FOR FLUE SIZES GREATER THEN 12" DIA) ABOVE THE HORIZONTAL ROOF PLANE. EXTEND UP 3 FT ABOVE AN OBSTRUCTION WITHIN A 10 FOOT RADIUS OF THE FLUE OBSTRUCTIONS INCLUDE BUT ARE NOT LIMITED TO ITEMS SUCH AS PARAPETS, WALLS, AND AIR INTAKES.



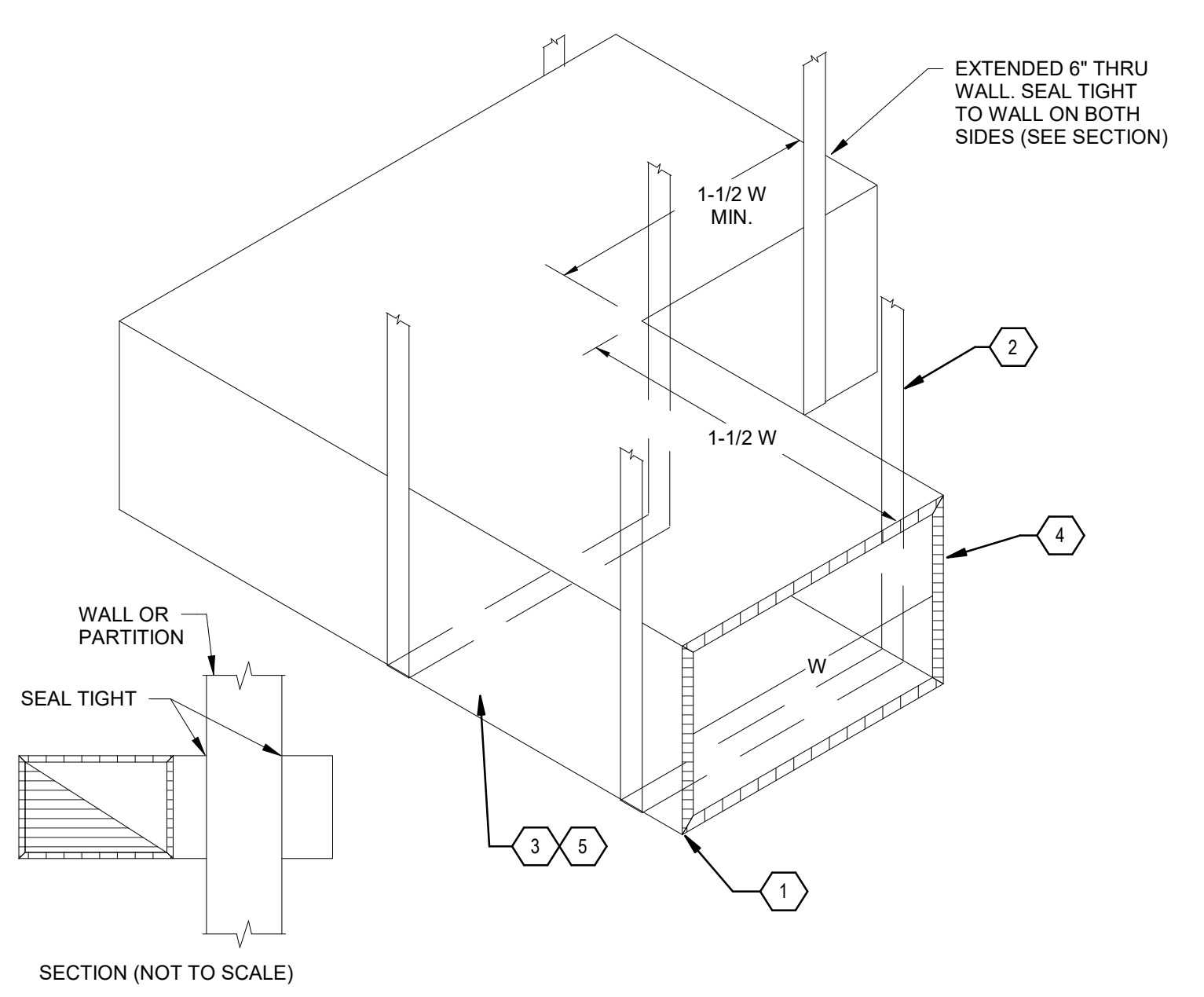
**A5 FLUE THRU ROOF DETAIL FOR UNIT HEATER**  
SCALE = NONE



A/C UNIT TYPE	H, IN	X, IN
DRAW THROUGH DRAIN UNDER NEGATIVE PRESSURE	1" + SP1	H/2, MIN.
BLOW THROUGH DRAIN PAN UNDER POSITIVE PRESSURE DISCHARGE	1" MINIMUM	1" + SP2

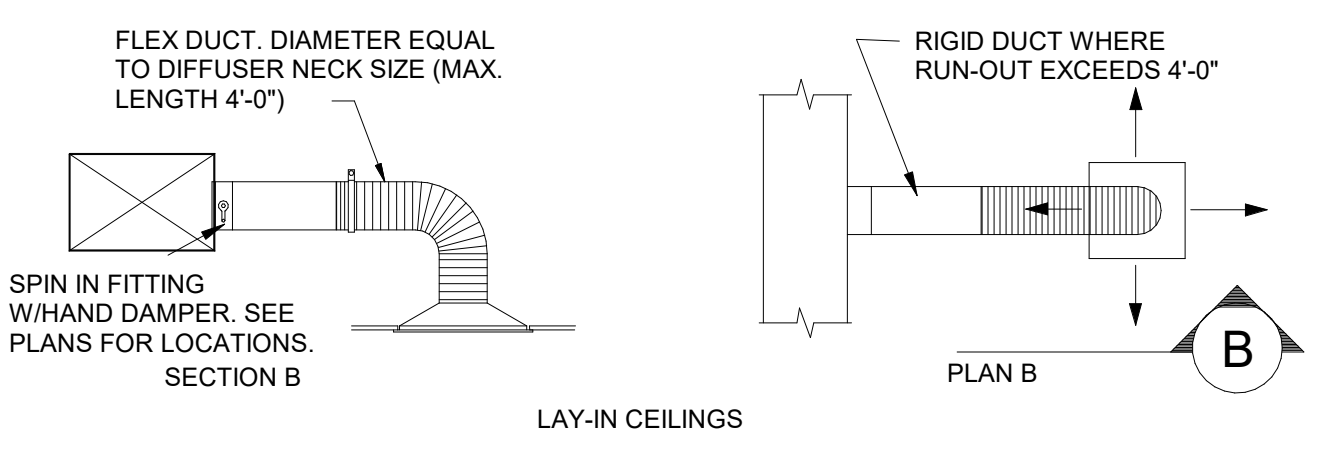
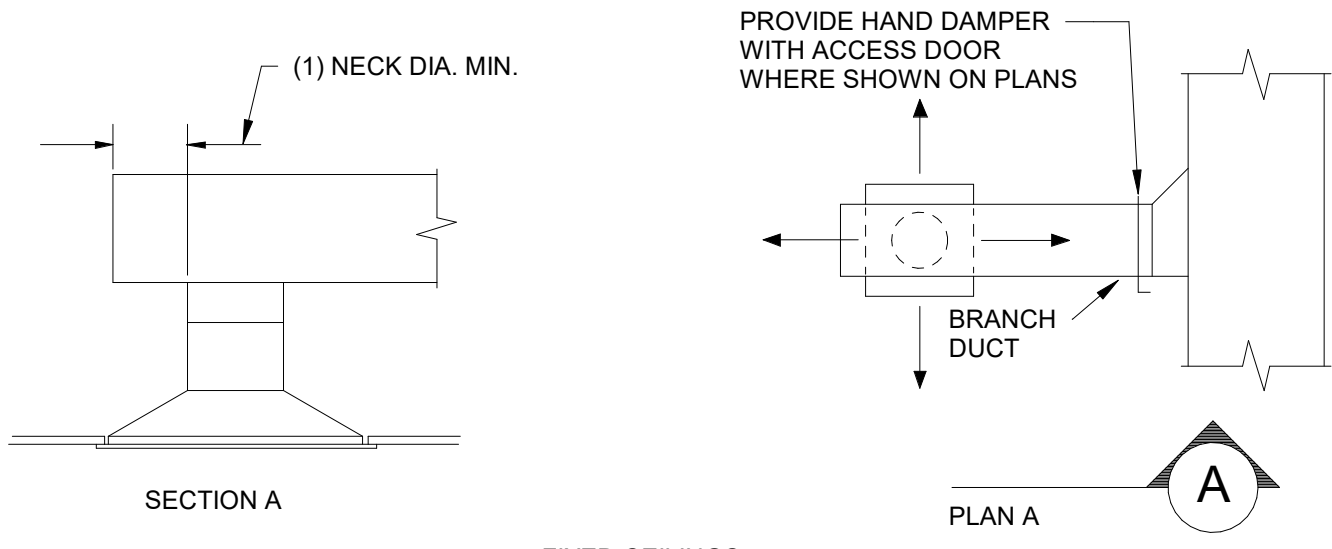
- SP-1. DRAW THROUGH UNIT OPERATION (NEGATIVE) SUCTION PRESSURE WITH COOLING COIL DRAIN PAN CASING SECTION AT CONDENSATE DRAIN LOCATION. (INCHES)
- SP-2. BLOW THROUGH UNIT OPERATION FOR DISCHARGE (POSITIVE) PRESSURE WITH COOLING COIL DRAIN PAN CASING SECTION AT CONDENSATE DRAIN LOCATION. (INCHES)
- A MINIMUM HEIGHT OF A/C UNIT COOLING COIL SECTION FROM THE HOUSE KEEPING PAD, SHALL BE 6" OR HIGHER AS NECESSARY TO ACCOMMODATE COIL P-TRAP HEIGHT (X + H)

**C1 RTU COIL DRAIN P-TRAP AND VENT DETAIL**  
SCALE = NONE

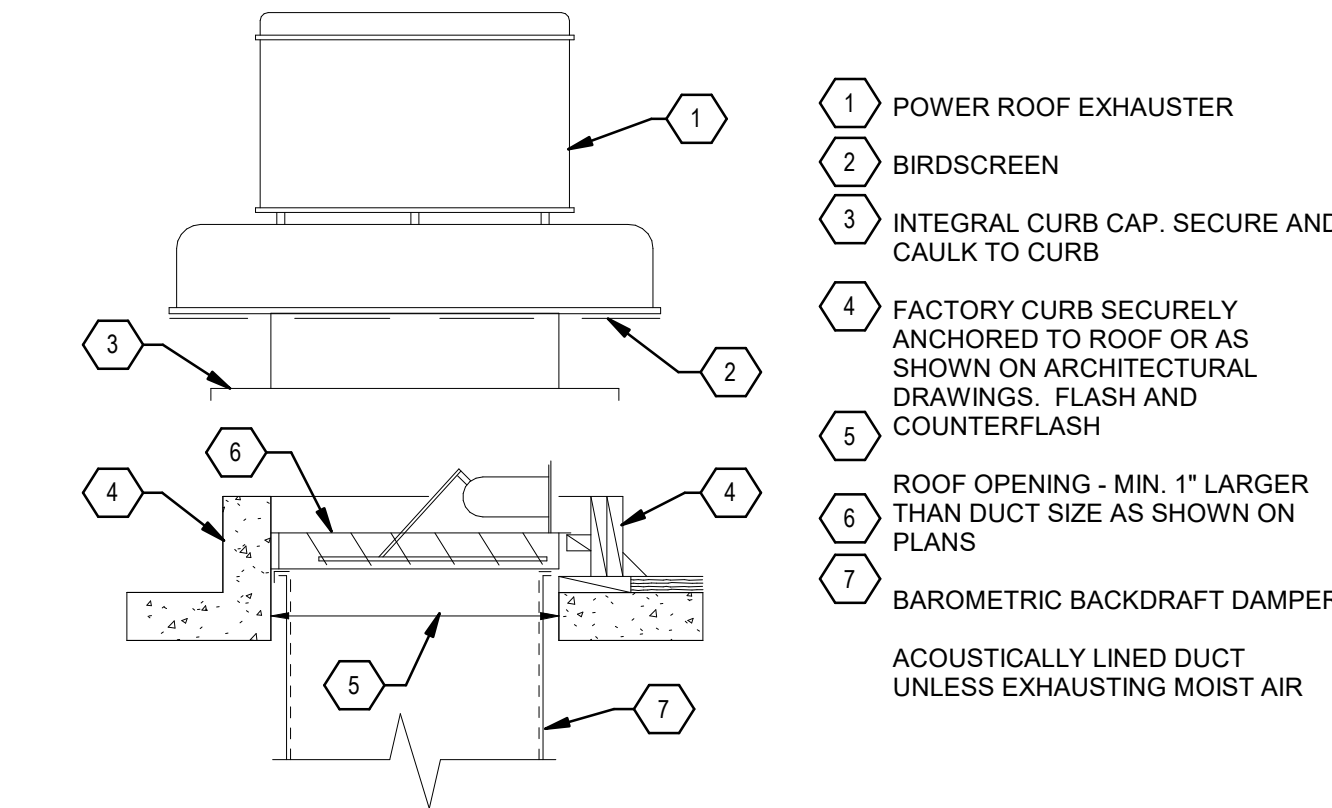


- COORDINATE SOUND ELBOW INSTALLATION WITH STRUCTURE, LIGHTS, AND OTHER OBSTRUCTIONS
- SUPPORT FROM STRUCTURE SIMILAR TO DUCTWORK
- CONSTRUCT SOUND ELBOW OF 1" THICK RIGID ACOUSTIC INSULATION OR AS SHOWN ON DRAWINGS
- FURNISH AND INSTALL SOUND ELBOWS AS SHOWN ON DRAWINGS
- WHEN FIRE DAMPER OR SMOKE DAMPER IS NEEDED AT THE WALL, INSTALL SOUND ELBOW ATTACHED AND SEALED TO WALL.

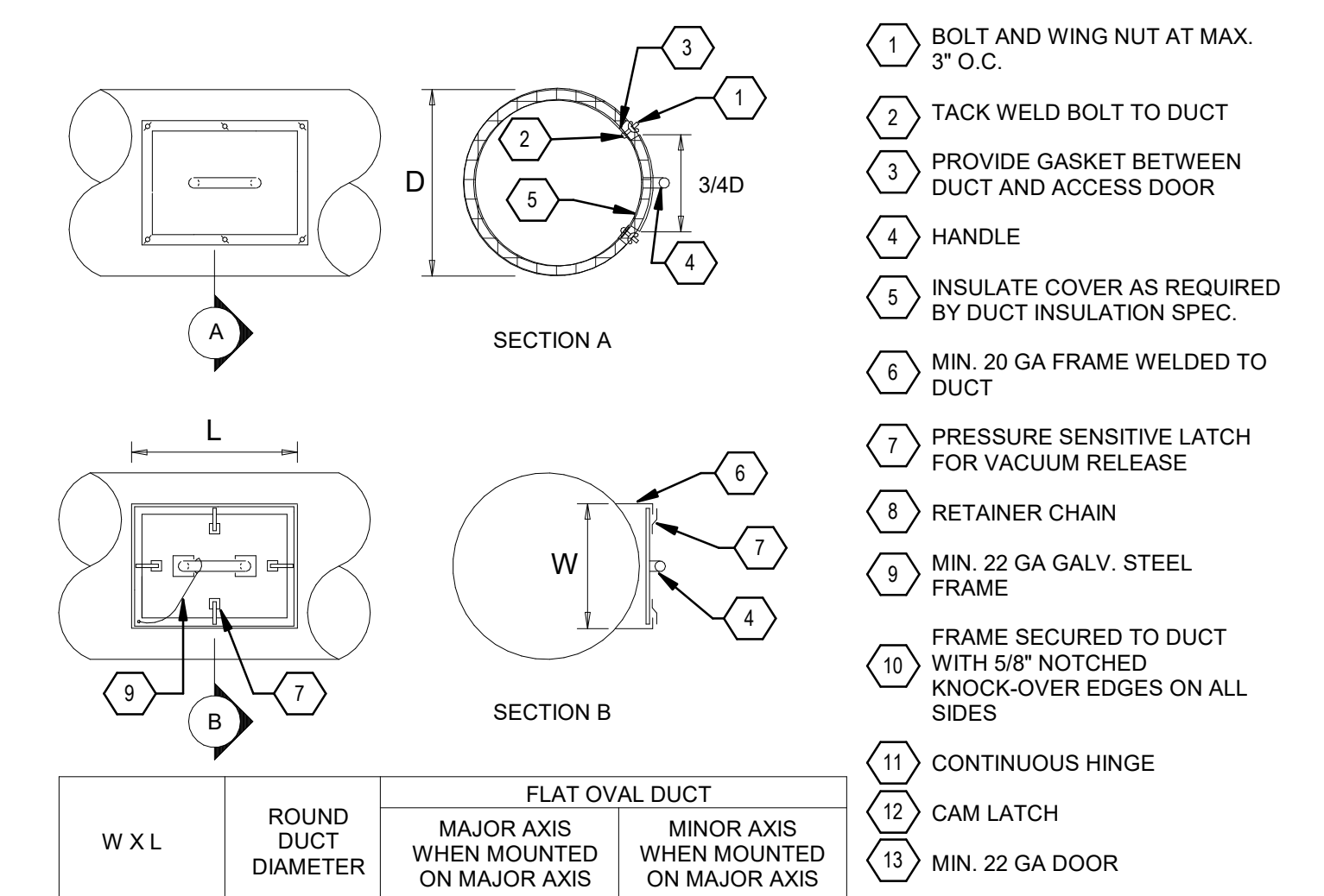
**A1 SOUND ELBOW DETAIL FOR TRANSFER OPENINGS**  
SCALE = NONE



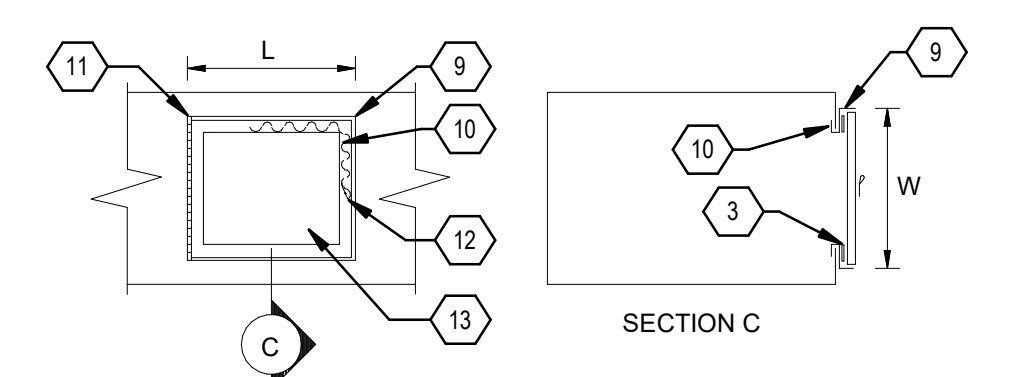
**C2 DIFFUSER AND REGISTER CONNECTION DETAIL**  
SCALE = NONE



**B5 POWER ROOF EXHAUSTER DETAIL**  
SCALE = NONE

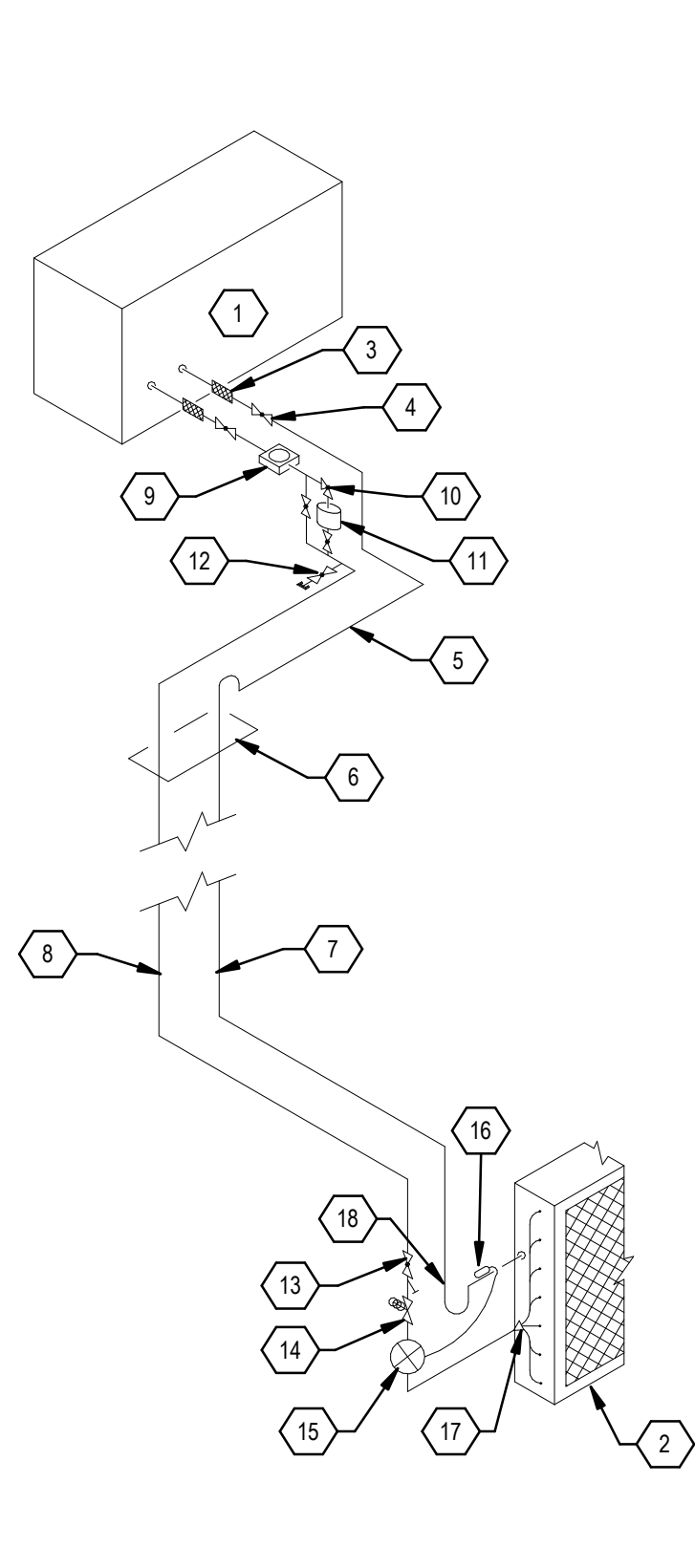


W X L	ROUND DUCT DIAMETER	FLAT OVAL DUCT	
		MAJOR AXIS WHEN MOUNTED ON MAJOR AXIS	MINOR AXIS WHEN MOUNTED ON MAJOR AXIS
8" X 12"	8" - 12"	8" - 16"	8" - 11"
12" X 12"	13" X 18"	17" X 24"	12" - 13"
14" X 20"	18" +	25" +	14" +



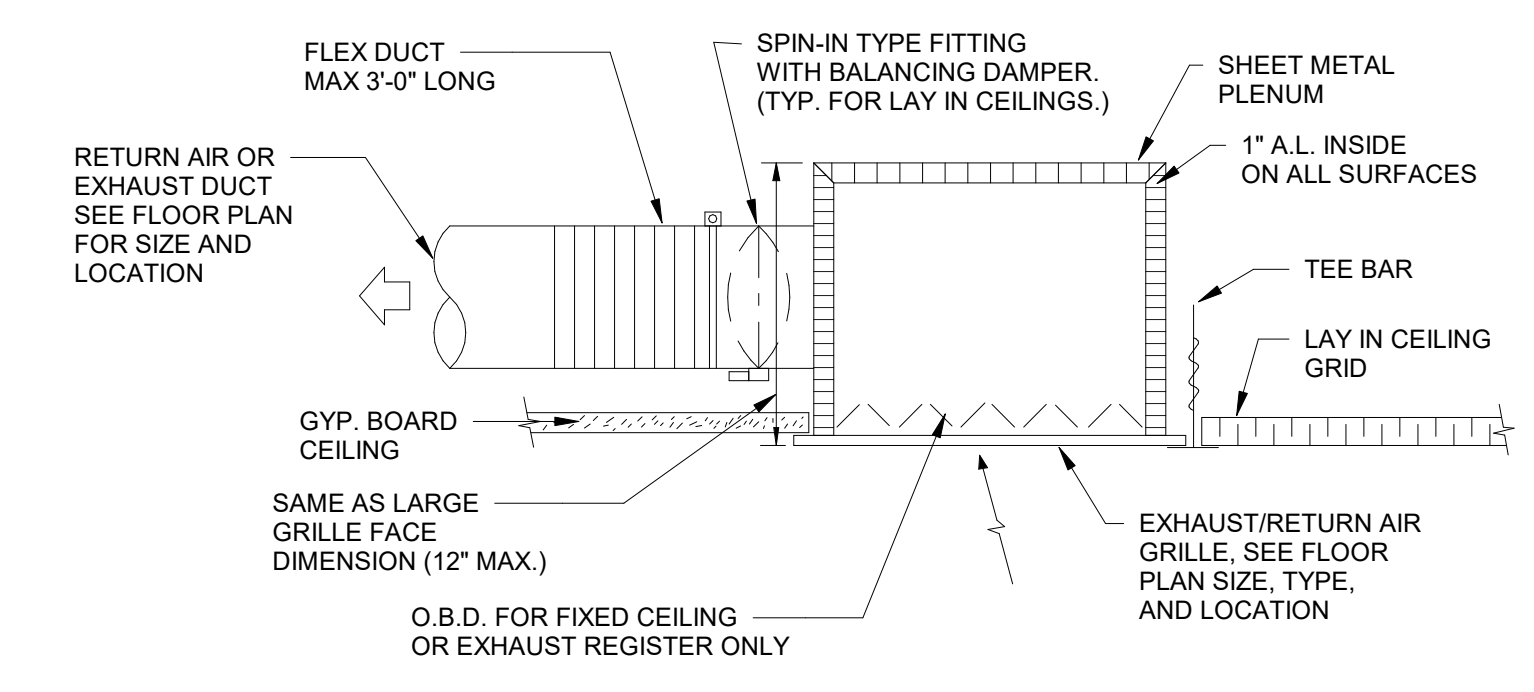
DUCT DIMENSION ON WHICH ACCESS DOOR IS PLACED	OUTSIDE FRAME W X L
6" - 8"	5" X 12"
9" - 12"	8" X 8"
13" - 16"	12" X 12"
16" - 33"	14" X 14"
34" - 66"	(2) 14" X 14"
67" +	(3) 14" X 14"

**A4 DUCT ACCESS DOOR DETAIL**  
SCALE = NONE



- ROOF MOUNTED CONDENSING UNIT
  - DIRECT EXPANSION (DX) COIL
  - FLEXIBLE CONNECTION
  - GLOBE VALVE
  - SWING JOINT
  - PIPE PENETRATION THROUGH ROOF. SEE DETAIL
  - INSULATED SUCTION LINE. SEE FLOOR PLAN FOR SIZE
  - INSULATED LIQUID LINE. SEE FLOOR PLAN FOR SIZE
  - SIGHT GLASS
  - ANGLE VALVE
  - FILTER
  - LIQUID CHARGING VALVE
  - STRAINER
  - SOLENOID VALVE TO BE LOCATED AS CLOSE TO EXPANSION VALVE AS POSSIBLE
  - EXPANSION VALVE
  - REMOTE BULB
  - DISTRIBUTION NOZZLE
- TRAP, 6" MIN. 12" MAX.

**D3 DX COIL PIPING SCHEMATIC**  
SCALE = NONE



**A2 RETURN AIR AND EXHAUST REGISTER DETAIL**  
SCALE = NONE



PACKAGED ROOFTOP UNIT (DX/GAS)																						
SYMBOL	MANUFACTURER & MODEL NO.	CAPACITY (TONS)	OA (CFM)	SUPPLY FAN				COOLING PERFORMANCE					GAS HEAT EXCHANGER				ELECTRICAL					
				CFM	FAN RPM	EXT. SP (IN. WC)	FAN BHP	TOTAL COOLING (MBH)	SENSIBLE COOLING (MBH)	EAT DB (°F)	EAT WB (°F)	LAT DB (°F)	LAT WB (°F)	HEATING INPUT AT SEA LEVEL (MBH)	HEATING OUTPUT AT ALTITUDE (MBH)	EAT DB (°F)	LAT DB (°F)	OPERATING WEIGHT (LBS.)	V/PH/Hz	MCA	MOCP	
BASE BID	RTU-1	CARRIER - 48LCD004A2M5-0E1C0	3.0	365	1200	977	0.7	0.52	31.2	30.8	79.8	60.1	52.1	50	72	47.2	54.7	97.2	750	208/3/60	24	30
BASE BID	RTU-2	CARRIER - 48LCD004A2M5-0E1C0	3.0	365	1200	977	0.7	0.52	31.2	31.0	80	60.2	52.1	50.1	72	47.2	52.2	94.7	750	208/3/60	24	30
BASE BID	RTU-3	CARRIER - 48LCD004A2M5-0E1C0	3.0	365	1200	977	0.7	0.52	31.2	30.9	79.9	60.2	52.1	50.1	72	47.2	52.8	95.3	750	208/3/60	24	30
BASE BID	RTU-4	CARRIER - 48LCD004A2M5-0E1C0	3.0	365	1200	977	0.7	0.52	31.79	31.79	81.4	58.7	52.8	48	72	47.2	50.9	93.4	750	208/3/60	24	30
BASE BID	RTU-5	CARRIER - 48LCD005A2M5-0E1C0	4.0	365	1600	1230	0.7	0.83	41.53	39.19	78.9	60.9	52.4	51	72	47.2	55.6	87.5	850	208/3/60	27	40
BASE BID	RTU-6	CARRIER - 48LCD005A2M5-0E1C0	4.0	365	1600	1230	0.7	0.83	41.53	39.19	78.9	60.9	52.4	51	72	47.2	55.6	87.5	850	208/3/60	27	40
BASE BID	RTU-7	CARRIER - 48LCD005A2M5-0E1C0	4.0	365	1600	1230	0.7	0.83	41.53	39.19	78.9	60.9	52.4	51	72	47.2	55.6	87.5	850	208/3/60	27	40
BASE BID	RTU-8	CARRIER - 48LCD004A2M5-0E1C0	3.0	390	1200	977	0.7	0.52	34.59	34.59	83.3	60.9	52.2	49.8	72	47.2	46.5	89.0	750	208/3/60	24	30
BASE BID	RTU-9	CARRIER - 48LCD004A2M5-0E1C0	3.0	365	1200	977	0.7	0.52	31.17	29.64	78.6	59.5	51.9	49.3	72	47.2	53.1	95.6	750	208/3/60	24	30
BID LOT #1	RTU-10	CARRIER - 48LCD004A2M5-0E1C0	3.0	365	1200	977	0.7	0.52	31.17	29.64	78.6	59.5	51.9	49.3	72	47.2	53.1	95.6	750	208/3/60	24	30
BID LOT #1	RTU-11	CARRIER - 48LCD007A2M5-0E1C0	6.0	500	2400	775	0.7	0.93	64.27	61.46	78.4	58	50.7	47	125	82.4	57.9	95.0	1350	208/3/60	35	45
BID LOT #1	RTU-12	CARRIER - 48LCD004A2M5-0E1C0	3.0	365	1200	977	0.7	0.52	32.38	32.38	81.4	58.7	52.3	47.8	72	47.2	50.9	93.4	750	208/3/60	24	30
BID LOT #1	RTU-13	CARRIER - 48LCD004A2M5-0E1C0	3.0	365	1200	977	0.7	0.52	32.38	32.38	81.4	58.7	52.3	47.8	72	47.2	50.9	93.4	750	208/3/60	24	30
BID LOT #1	RTU-14	CARRIER - 48LCD006A2M5-0E1C0	5.0	600	2000	1381	0.7	1.3	53.0	50.1	78.3	59.7	51.3	49.3	115	75.4	51.7	91.9	850	208/3/60	31	45
BID LOT #1	RTU-15	CARRIER - 48LCD007A2M5-0E1C0	6.0	800	2400	775	0.7	0.93	68.8	68.8	82.1	60.5	51.2	49.3	125	82.4	49.0	86.1	1350	208/3/60	35	45
BID LOT #1	RTU-16	CARRIER - 48LCD005A2M5-0E1C0	4.0	550	1600	1230	0.7	0.83	41.4	41.4	80.4	60.0	52.5	49.9	115	75.4	48.8	99.0	850	208/3/60	27	40
BID LOT #1	RTU-17	CARRIER - 48LCD006A2M5-0E1C0	5.0	150	2000	1381	0.7	1.3	52.94	47.64	76.6	58.6	50.9	47.9	72	47.2	65.0	88.2	850	208/3/60	31	45
BID LOT #1	RTU-18	CARRIER - 48LCD004A2M5-0E1C0	3.0	550	1200	977	0.7	0.52	35.5	35.5	84.3	60.2	52.4	48.5	115	75.4	42.1	109	750	208/3/60	24	30

14" ROOF CURB, ECONOMIZER, BAROMETRIC RELIEF, FACTORY MOUNTED NON-FUSED KNIFE BLADE DISCONNECT, NON-POWERED 120 VOLT RECEPTACLE, STANDARD 2" FILTER, HAIL GUARDS, HONEYWELL PROGRAMMABLE THERMOSTAT (Wi-Fi VisionPRO® 8000)

EXHAUST FANS														
SYMBOL	MANUFACTURER & MODEL NO.	AREA SERVED	TYPE	CFM	S.P. (IN. WC)	FAN RPM	INPUT WATTS	MOTOR DATA			OPERATING WEIGHT (LBS.)	NOTES		
								VOLT	PHASE	HZ	FLA			
BASE BID	CEF-1	GREENHECK SP-80-VG	RR 104A	CEILING EXHAUST FAN	80	0.2	935	6W	115	1	60	0.1	30	ELEC DISCONNECT, INTERLOCK WITH LIGHTING SWITCH
BASE BID	CEF-2	GREENHECK SP-80-VG	RR 103A	CEILING EXHAUST FAN	80	0.2	935	6W	115	1	60	0.1	30	ELEC DISCONNECT, INTERLOCK WITH LIGHTING SWITCH
BASE BID	CEF-3	GREENHECK SP-80-VG	RR 102A	CEILING EXHAUST FAN	80	0.2	935	6W	115	1	60	0.1	30	ELEC DISCONNECT, INTERLOCK WITH LIGHTING SWITCH
BASE BID	CEF-4	GREENHECK SP-80-VG	RR 112A	CEILING EXHAUST FAN	80	0.2	935	6W	115	1	60	0.1	30	ELEC DISCONNECT, INTERLOCK WITH LIGHTING SWITCH
BASE BID	CEF-5	GREENHECK SP-80-VG	RR 132A	CEILING EXHAUST FAN	80	0.2	935	6W	115	1	60	0.1	30	ELEC DISCONNECT, INTERLOCK WITH LIGHTING SWITCH
BASE BID	CEF-6	GREENHECK SP-80-VG	RR 131A	CEILING EXHAUST FAN	80	0.2	935	6W	115	1	60	0.1	30	ELEC DISCONNECT, INTERLOCK WITH LIGHTING SWITCH
BASE BID	CEF-7	GREENHECK SP-80-VG	RR 130A	CEILING EXHAUST FAN	80	0.2	935	6W	115	1	60	0.1	30	ELEC DISCONNECT, INTERLOCK WITH LIGHTING SWITCH
BASE BID	CEF-8	GREENHECK SP-80-VG	RR 120A	CEILING EXHAUST FAN	80	0.2	935	6W	115	1	60	0.1	30	ELEC DISCONNECT, INTERLOCK WITH LIGHTING SWITCH
BASE BID	CEF-9	GREENHECK SP-80-VG	RR 119A	CEILING EXHAUST FAN	80	0.2	935	6W	115	1	60	0.1	30	ELEC DISCONNECT, INTERLOCK WITH LIGHTING SWITCH
BID LOT #1	CEF-10	GREENHECK SP-80-VG	RR 118A	CEILING EXHAUST FAN	80	0.2	935	6W	115	1	60	0.1	30	ELEC DISCONNECT, INTERLOCK WITH LIGHTING SWITCH
BID LOT #1	CEF-11	GREENHECK SP-80-VG	M 123	CEILING EXHAUST FAN	80	0.2	935	6W	115	1	60	0.1	30	ELEC DISCONNECT, INTERLOCK WITH LIGHTING SWITCH
BID LOT #1	CEF-12	GREENHECK SP-80-VG	W 124	CEILING EXHAUST FAN	80	0.2	935	6W	115	1	60	0.1	30	ELEC DISCONNECT, INTERLOCK WITH LIGHTING SWITCH
BID LOT #1	CEF-13	GREENHECK SP-80-VG	RR 111A	CEILING EXHAUST FAN	80	0.2	935	6W	115	1	60	0.1	30	ELEC DISCONNECT, INTERLOCK WITH LIGHTING SWITCH
BID LOT #1	CEF-14	GREENHECK SP-80-VG	RR 110A	CEILING EXHAUST FAN	80	0.2	935	6W	115	1	60	0.1	30	ELEC DISCONNECT, INTERLOCK WITH LIGHTING SWITCH
BID LOT #1	CEF-15	GREENHECK SP-A90-130-VG	RR 135A	CEILING EXHAUST FAN	110	0.2	960	12W	115	1	60	0.29	30	ELEC DISCONNECT, INTERLOCK WITH LIGHTING SWITCH
BID LOT #1	CEF-16	GREENHECK SP-80-VG	JAN 121	CEILING EXHAUST FAN	80	0.2	935	6W	115	1	60	0.1	30	ELEC DISCONNECT, INTERLOCK WITH LIGHTING SWITCH
BID LOT #1	EF-1	GREENHECK CUE-95-VG	GIRLS 105, BOYS 107	SIDEWALL EXHAUST FAN	540	0.5	1576	1/6 HP	115	1	60	2.2	40	ELEC DISCONNECT, TWIST TIMER
BID LOT #1	EF-2	GREENHECK CUE-95-VG	GIRLS 117, BOYS 115	SIDEWALL EXHAUST FAN	540	0.5	1576	1/6 HP	115	1	60	2.2	40	ELEC DISCONNECT, TWIST TIMER
BID LOT #1	EF-3	GREENHECK GB-81-6	NURSE 135	ROOF MOUNTED EXHAUST FAN	460	0.45	1339	1/6 HP	115	1	60	4.4	60	ELEC DISCONNECT, TWIST TIMER

GRILLES AND DIFFUSERS													
SYMBOL	MANUFACTURER & MODEL NO.	TYPE	FRAME STYLE	FACE DIMENSIONS (INCH)	NECK DIMENSIONS (INCH)	CFM RANGE	T.P. (IN. W.G.)	MAX NC	NOTES				
SD-1	PRICE SCD4, TYPE 3	SUPPLY DIFFUSER	LAY-IN CEILING	24X24, 12X12	6	91-130	0.02-0.06	24					
	PRICE SCD4, TYPE 3	SUPPLY DIFFUSER	LAY-IN CEILING	24X24, 12X12	8	131-210	0.02-0.06	28					
	PRICE SCD4, TYPE 3	SUPPLY DIFFUSER	LAY-IN CEILING	24X24	10	211-320	0.03-0.06	30					
	PRICE SCD4, TYPE 3	SUPPLY DIFFUSER	LAY-IN CEILING	24X24	12	321-420	0.03-0.06	30					
	PRICE SCD4, TYPE 3	SUPPLY DIFFUSER	LAY-IN CEILING	24X24	14	421-530	0.04-0.06	30					
SD-2	PRICE SCD4, TYPE 3	SUPPLY DIFFUSER	LAY-IN CEILING	24X24	15	531-630	0.03-0.06	30					
	PRICE SCD4, TYPE 1	SUPPLY DIFFUSER	FIXED CEILING	24X24, 12X12	6	91-130	0.02-0.09	30					
	PRICE SCD4, TYPE 1	SUPPLY DIFFUSER	FIXED CEILING	24X24, 12X12	8	131-210	0.02-0.09	30					
	PRICE SCD4, TYPE 1	SUPPLY DIFFUSER	FIXED CEILING	24X24	10	211-320	0.02-0.08	30					
	PRICE SCD4, TYPE 1	SUPPLY DIFFUSER	FIXED CEILING	24X24	12	321-420	0.02-0.08	30					
PRICE SCD4, TYPE 1	SUPPLY DIFFUSER	FIXED CEILING	24X24	14	421-530	0.03-0.08	30						
SR-1	PRICE 520	SIDEWALL SUPPLY	FLAT MARGIN	SEE PLAN	SEE PLANS	SEE PLANS	0.03-0.06	26					
RG-1	PRICE 80	RETURN GRILLE	LAY-IN CEILING	24x24, 24x12	SEE PLANS	-	N/A	N/A					
RG-2	PRICE 80	RETURN GRILLE	FIXED CEILING	24x24, 24x12	SEE PLANS	-	N/A	N/A					
EG-1	PRICE 80D	EXHAUST GRILLE	LAY-IN CEILING	24x24, 24x12	SEE PLANS	SEE PLANS	0.01-0.08	25					
EG-2	PRICE 80D	EXHAUST GRILLE	FIXED CEILING	24x24, 24x12	SEE PLANS	SEE PLANS	0.01-0.08	25					
ER-3	PRICE 530	EXHAUST GRILLE	SIDEWALL	SEE PLAN	SEE PLANS	SEE PLANS	0.01-0.08	25					

SPLIT SYSTEM INDOOR UNITS																							
SYMBOL	MANUFACTURER	MODEL NO.	NOMINAL TON	AREA SERVED	AIR FLOW CFM	COOLING				HEATING			PIPING SIZE			ELEC POWER CONSUMPTION	PHYSICAL DIMENSIONS				NOTES		
						OUTSIDE TEMP	INDOOR DB TEMP	INDOOR WB TEMP	TOTAL BTUH	SENSIBLE BTUH	OUTSIDE TEMP	INDOOR DB TEMP	TOTAL BTUH	RS DIA	RL DIA		DRAIN DIA	V/PH/Hz	WEIGHT (LB)	WIDTH (IN)		LENGTH (IN)	HEIGHT (IN)
FC-1	MITSUBISHI	PKA-A18HA7	1.5	IT ROOM 134	425	95	80	67	18,800	12,200	15	59	13,000	1/2"	1/4"	5/8"	208/1/60	FROM CU-1	29	36	10	12	FURNISH W/ WIRED 7-DAY PROG T'STAT, CONDENSATE PUMP, SAUERMAN MODEL SI3100, R-410A REFRIGERANT, ELEC DISCONNECT BY DIV 26

SPLIT SYSTEM OUTDOOR UNITS																	
SYMBOL	MANUFACTURER	MODEL NO.	NOMINAL TON	COOLING		HEATING		ELEC		PHYSICAL DIMENSION				PIPE SIZES		NOTES	
				OUTDOOR TEMP	TOTAL BTUH	OUTDOOR TEMP	TOTAL BTUH	V/PH/Hz	MCA	MOCP	WEIGHT (LB)	WIDTH (IN)	LENGTH (IN)	HEIGHT (IN)	RS DIA		RL DIA
CU-1	MITSUBISHI	PUZ-A18NKA7	1.5	104	18,000	15	13,000	208/1/60	11	15	91	24	32	12	1/2	1/4	FURNISH W/O AMBIENT KIT (HEATING TO 5F AMBIENT), WIND BAFFLE, HAIL GUARD INTERLOCK W/ FC-1

ELEC UNIT HEATER										
SYMBOL	MANUFACTURER & MODEL NO.	LOCATION	CAPACITY (KW)	AIR FLOW (CFM)	ELECTRICAL DATA			WEIGHT (LBS.)	NOTES	
					V/PH/Hz	MOP	MOTOR HP			
UH-1	TRANE UHEC-051A0C0	FIRE RISER RM	5.0	380	208/1/60	35.0	1/125	1550	30	ELEC DISCONNECT, INSTALL WITH WALL MOUNTED BRACKET

RESIDENTIAL HOOD INFO										
MARK	MANUFACTURER & MODEL NO.	TYPE	HOOD DIMENSIONS (IN.)			CFM	SPEED	EXHAUST	ELEC	TOTAL WEIGHT (LBS.)
			LENGTH	WIDTH	HEIGHT					
HD-1	ZEPHYR AK6500BS	UNDER CABINET STAINLESS STEEL	30	22-1/4"	6-3/8"	290-600	3 LEVELS	6"Ø	120V/60HZ/2.4A	30



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505.883.4111 www.bpspa.com

PROJECT



Brown Early Childhood Center  
Old Wing Renovation  
520 W 5th St, Portales, NM 88130

CONSTRUCTION DOCUMENTS

REVISIONS  
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DRAWN BY: NZ  
REVIEWED BY: AS  
DATE: 12/10/2019  
PROJECT NO: 18-0032  
PSFA PRE-K PROJECT NO: K-18-011  
PSFA SYSTEMS PROJECT NO: S-20-008  
DRAWING NAME

MECHANICAL SCHEDULES

SHEET NO  
M-701

ALL SELECTIONS ARE BASED ON 4,200 FT. ABOVE SEA LEVEL.

Portales Brown Early Childhood Center, Project #S20-008, PSFCCC FUNDED

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Bridgers & Paxton Project No. 8022



INSTRUMENTATION SOCIETY OF AMERICA TABLE

FIRST LETTER	SUCCEEDING LETTERS (3)	READOUT OR PASSIVE FUNCTION	OUTPUT FUNCTION	MODIFIER
MEASURING OR INITIATING VARIABLE	MODIFIER			
A ANALYSIS		ALARM		
B BURNER FLAME		USER CHOICE	USER CHOICE CONTROL (13)	USER CHOICE
C CONDUCTIVITY				
D DENSITY	DIFFERENTIAL			
E VOLTAGE		SENSOR PRIMARY ELEMENT		
F FLOW RATE	RATIO FRACTION			
G GAUGE		GLASS, VIEWING DEVICE		
H HAND				HIGH
I CURRENT		INDICATE		
J POWER	SCAN			
K TIME	TIME RATE OF CHANGE		CONTROL STATION	
L LEVEL		LIGHT		LOW
M MOTION	MOMENTARY	INTERMEDIATE		MIDDLE
N HUMIDITY		USER DEFINED	USER DEFINED	USER DEFINED
O USER CHOICE		ORIFICE RESTRICTION		
P PRESSURE, VACUUM		POINT (TEST) CONNECTION		
Q QUANTITY	INTEGRATE, TOTALIZE			
R RADIATION		RECORD		
S SPEED, FREQUENCY	SAFETY		SWITCH	
T TEMPERATURE			TRANSMIT	
U MULTI-VARIABLE		MULTI-FUNCTION	MULTI-FUNCTION VALVE, DAMPER LOUVER	MULTI-FUNCTION
V VIBRATION, MECHANICAL ANALYSIS				
W WEIGHT, FORCE		WELL		
X UNCLASSIFIED	X-AXIS	UNCLASSIFIED	UNCLASSIFIED	UNCLASSIFIED
Y EVENT, STATE OR PRESENCE	Y-AXIS		RELAY, COMPUTE CONVERT	
Z POSITION DIMENSION	Z-AXIS		DRIVER, ACTUATOR UNCLASSIFIED	
	FINAL CONTROL ELEMENT			

INSTRUMENTATION TYPE ABBREVIATION LIST

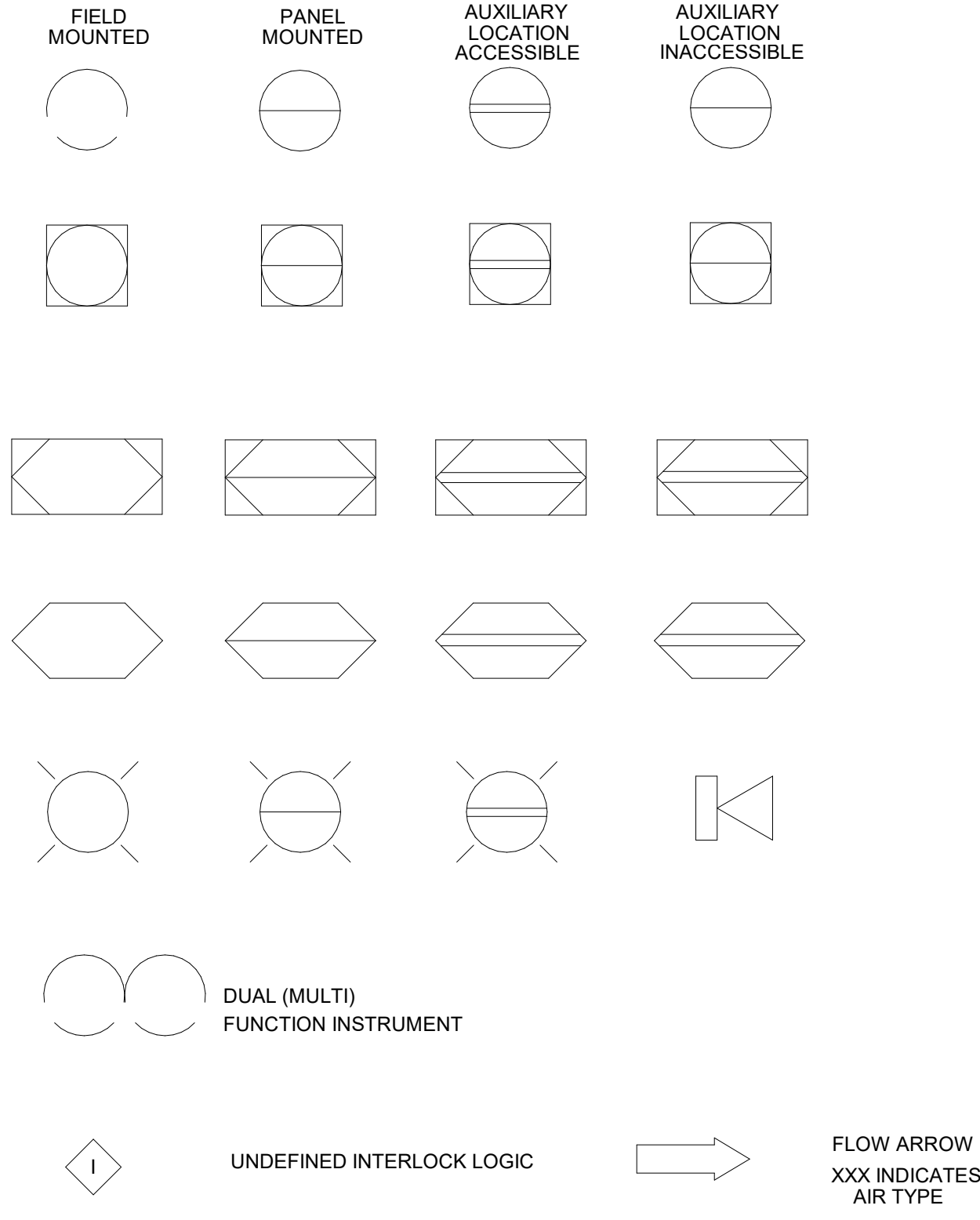
CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	DESCRIPTION
AA	ANALYTICAL ALARM	LA	LEVEL ALARM	VA	VIBRATION ALARM
AE	ANALYTICAL ELEMENT	LC	LEVEL CONTROLLER (STAND ALONE)	VS	VIBRATION SWITCH
AET	ANALYTICAL ELEMENT TRANSMITTER	LCV	LEVEL CONTROL VALVE	XV	SOLENOID VALVE
AI	ANALYTICAL INDICATOR	LE	LEVEL ELEMENT	YA	EQUIPMENT ALARM
AC	ANALYTICAL CONTROLLER	LIC	LEVEL INDICATING CONTROLLER	YI	EQUIPMENT STATUS
AIC	ANALYTICAL INDICATING CONTROLLER	LIT	LEVEL INDICATING TRANSMITTER	YCD	SMOKE DAMPER
AT	ANALYTICAL TRANSMITTER	LS	LEVEL SWITCH	YS	SMOKE DETECTOR
AIT	ANALYTICAL INDICATING CONTROLLER	LT	LEVEL TRANSMITTER	ZC	POSITION CONTROL
ACV	ANALYTICAL CONTROL VALVE	LY	LEVEL SIGNAL CONVERTER	ZI	POSITION INDICATOR
AY	ANALYTICAL SIGNAL CONVERTER	MV	MANUAL HAND VALVE	ZS	POSITION SWITCH
EI	VOLTAGE INDICATOR	NT	HUMIDITY TRANSMITTER		
EA	VOLTAGE ALARM	PA	PRESSURE ALARM		
ES	VOLTAGE SWITCH (CONTROL RELAY)	PCV	PRESSURE CONTROL VALVE		
ESL	VOLTAGE SWITCH LOW (24 VAC OR LESS)	PDI	PRESSURE DIFFERENTIAL INDICATOR		
ET	VOLTAGE TRANSMITTER	PDS	PRESSURE DIFFERENTIAL SWITCH		
EY	VOLTAGE SIGNAL CONVERTER	PDT	PRESSURE DIFFERENTIAL TRANSMITTER		
FA	FLOW ALARM	PI	PRESSURE INDICATOR		
FCV	FLOW CONTROL VALVE	PIS	PRESSURE INDICATING SWITCH		
FE	FLOW ELEMENT	PIT	PRESSURE INDICATING TRANSMITTER		
FET	FLOW ELEMENT TRANSMITTER	PS	PRESSURE SWITCH		
FI	FLOW INDICATOR	PT	PRESSURE TRANSMITTER		
FIT	FLOW INDICATING TRANSMITTER	PY	PRESSURE SIGNAL CONVERTER		
FS	FLOW SWITCH	SC	SPEED CONTROL		
FT	FLOW TRANSMITTER	SCM	SPEED CONTROL MANUAL		
FY	FLOW SIGNAL CONVERTER				
HK	MANUAL VARIABLE CONTROL				
HS	HAND SWITCH	TA	TEMPERATURE ALARM		
HSI	HAND SWITCH INDICATOR	TC	TEMPERATURE CONTROLLER		
II	CURRENT INDICATOR	TCV	TEMPERATURE CONTROL VALVE		
IA	CURRENT ALARM	TE	TEMPERATURE ELEMENT		
IS	CURRENT SWITCH	TET	TEMPERATURE ELEMENT TRANSMITTER		
IT	CURRENT TRANSMITTER	TI	TEMPERATURE INDICATOR		
IY	CURRENT SIGNAL CONVERTER	TI	TEMPERATURE INDICATING TRANSMITTER		
JIT	POWER INDICATING TRANSMITTER	TIC	TEMPERATURE INDICATING CONTROLLER		
JY	POWER SIGNAL CONVERTER	TS	TEMPERATURE SWITCH		
KC	TIME CLOCK	TSL	FREEZE STAT		
		TT	TEMPERATURE TRANSMITTER		

FMS SYSTEM OPERATING CONSTRAINTS

THE FMS CONTROL SYSTEM SHALL OPERATE WITHIN THE FOLLOWING SYSTEM CONSTRAINTS FOR CONTROL:

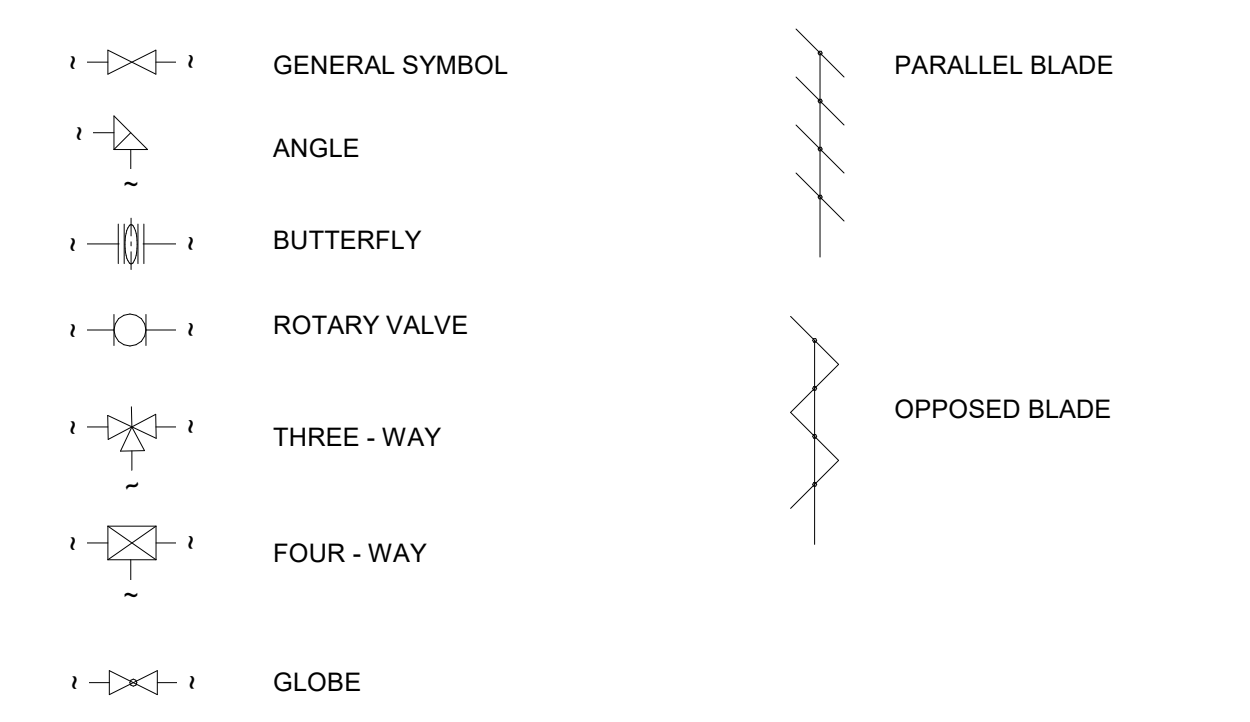
SUPPLY AIR DRYBULB TEMPERATURE	+/- 0.5°F OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL
MIXED AIR DRYBULB TEMPERATURE	+/- 0.5°F OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL
WATER TEMPERATURE	+/- 0.5°F OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL
DUCT STATIC PRESSURE	+/- 0.1" W.C. OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL
SUPPLY/RETURN AIR VOLUME	+/- 2.5% OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL
OUTSIDE AIR/RELIEF AIR VOLUME	+/- 2.5% OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL
BUILDING PRESSURE	+/- 0.01" W.C. OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL
ROOM TEMPERATURE	+/- 1.0°F OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL
ROOM AIR VOLUME	+/- 2.5% OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL
HUMIDITY LEVEL	+/- 2.5% R.H. OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL
WATER TEMPERATURE	+/- 1.0°F OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL
WATER DIFFERENTIAL PRESSURE	+/- 1.0 PSI OF SETPOINT WITH HUNTING OF < 5% OF THE CONTROL SIGNAL

GENERAL INSTRUMENT OR FUNCTION SYMBOLS

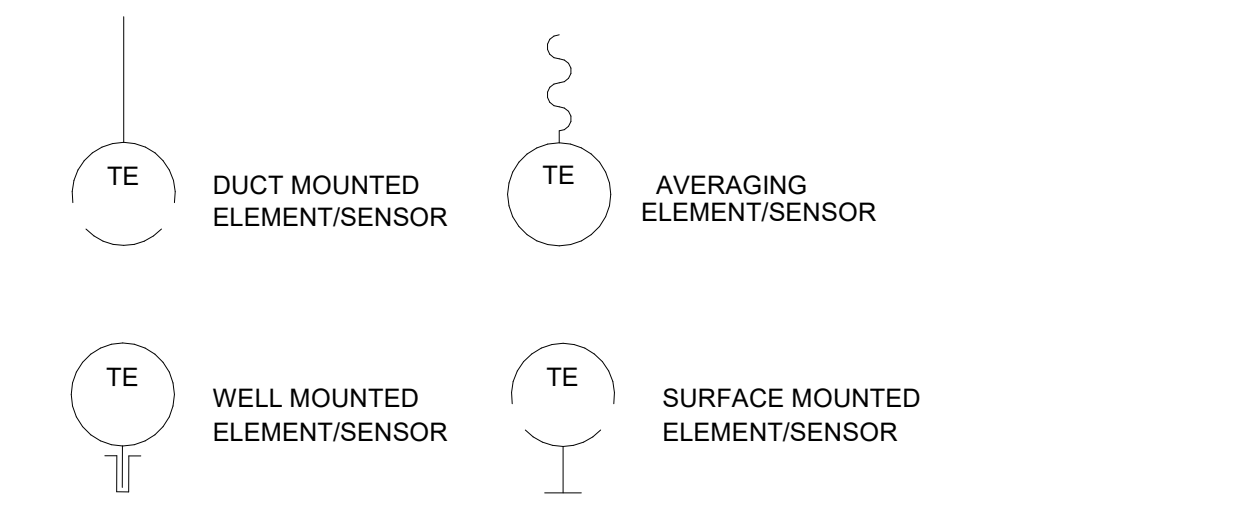


XXX ZZZ  
AAA-NNN  
INSTRUMENT NAMING CONVENTION  
XXX - FUNCTION ID  
ZZZ - USER CHOICE  
AAA - UNIT ASSOCIATION OR PROCESS CODE  
NNN - DEVICE NUMBER

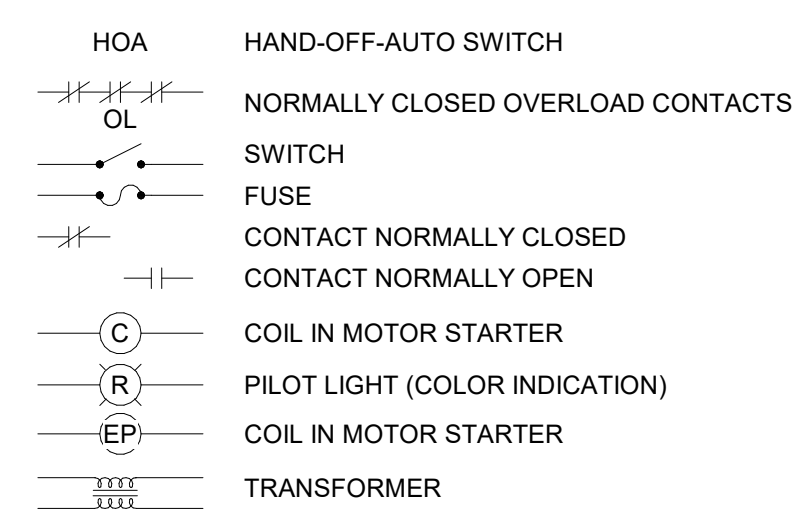
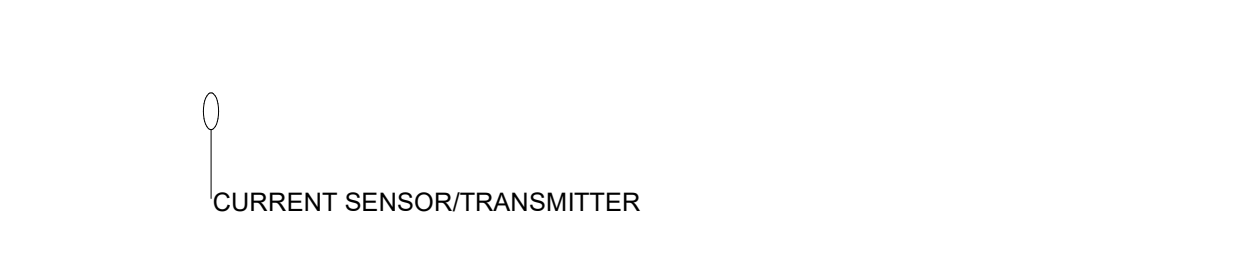
CONTROL VALVE BODY/ DAMPER SYMBOLS



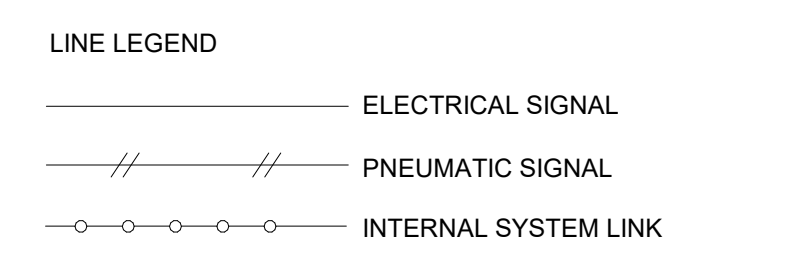
TEMPERATURE



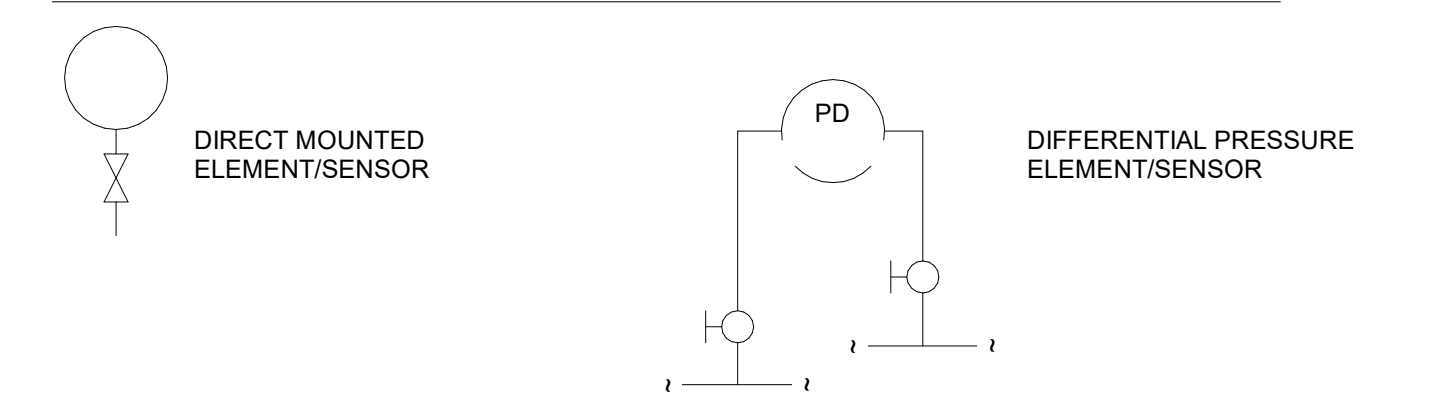
CURRENT



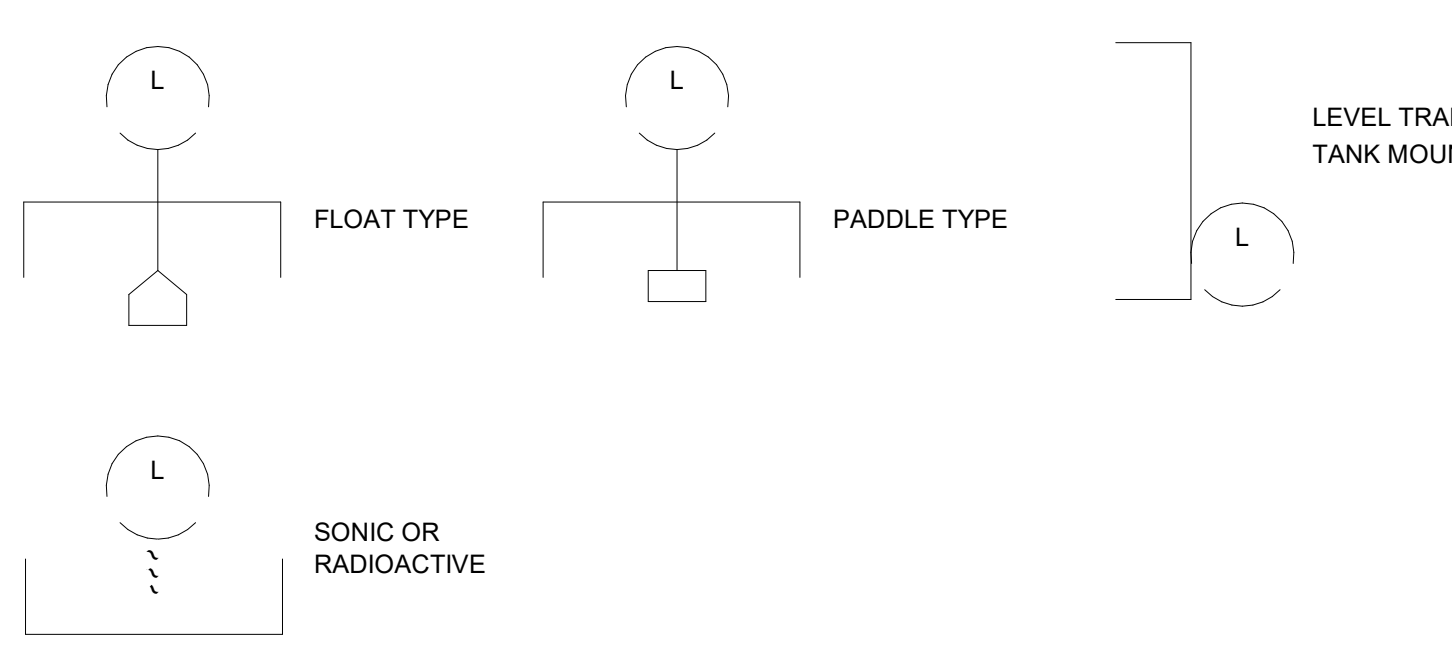
ABBREVIATIONS  
IA INSTRUMENTATION AIR  
DDC DIRECT DIGITAL CONTROL  
C COMMON VALVE PORT  
FO FAIL OPEN  
FC FAIL CLOSED  
SR SPRING RANGE  
TR THROTTLING RANGE  
PH PREHEAT  
HR HEAT RECOVERY  
CPA CONTROL POINT ADJUSTMENT  
SPDT SINGLE POLE DOUBLE THROW  
DPDT DOUBLE THROW DOUBLE POLE  
DA DIRECT ACTING  
RA REVERSE ACTING  
PROCESS CODES  
TW COOLING TOWER OR CONDENSER WATER  
CHW CHILLED WATER  
SCHW SECONDARY CHILLED WATER  
HW HOT WATER  
SHW SECONDARY HOT WATER  
STM STEAM



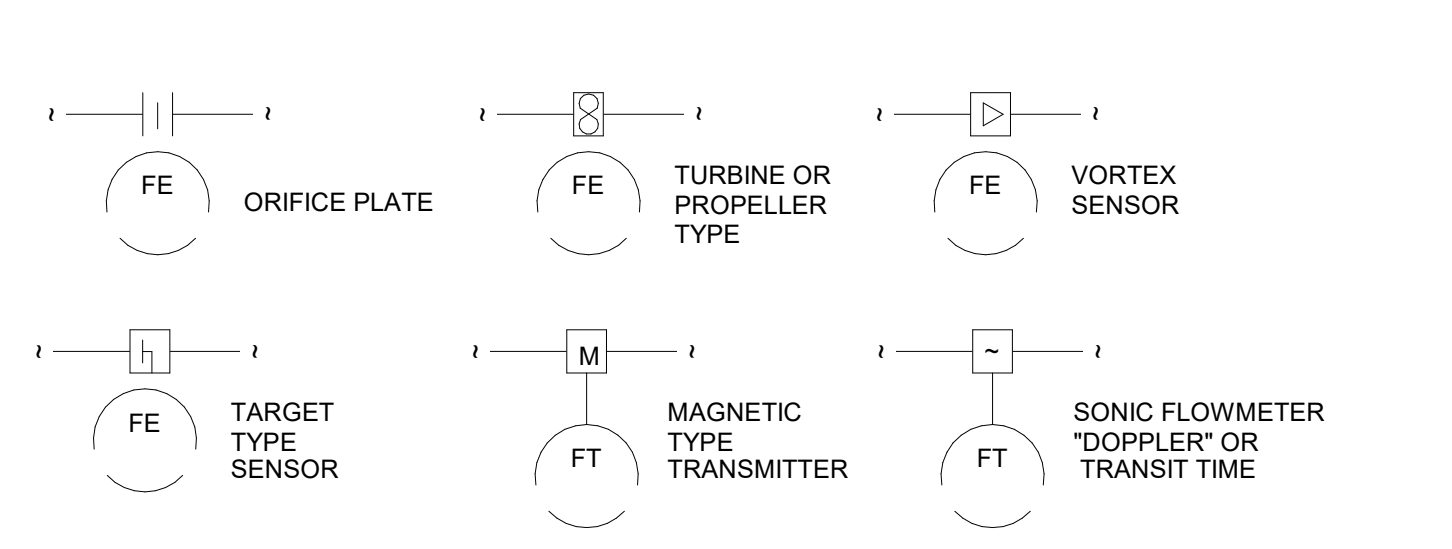
PRESSURE



LEVEL



FLOW

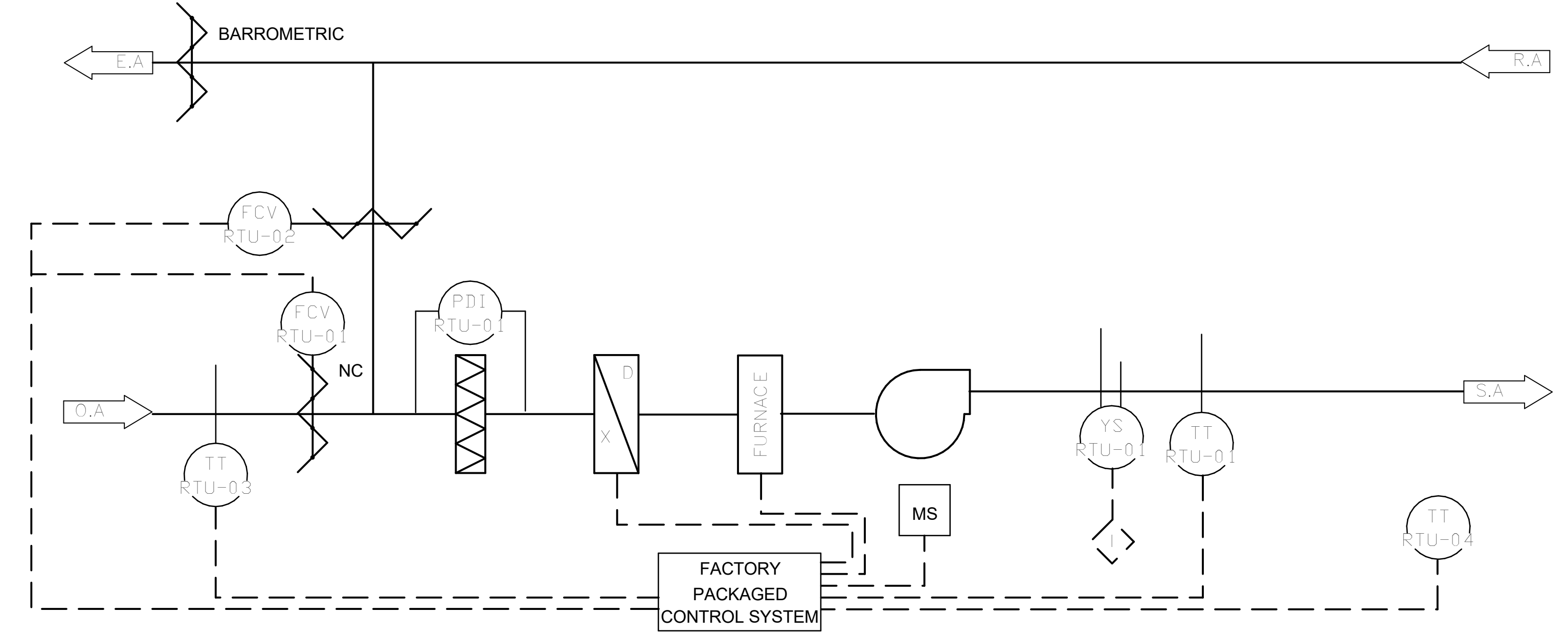




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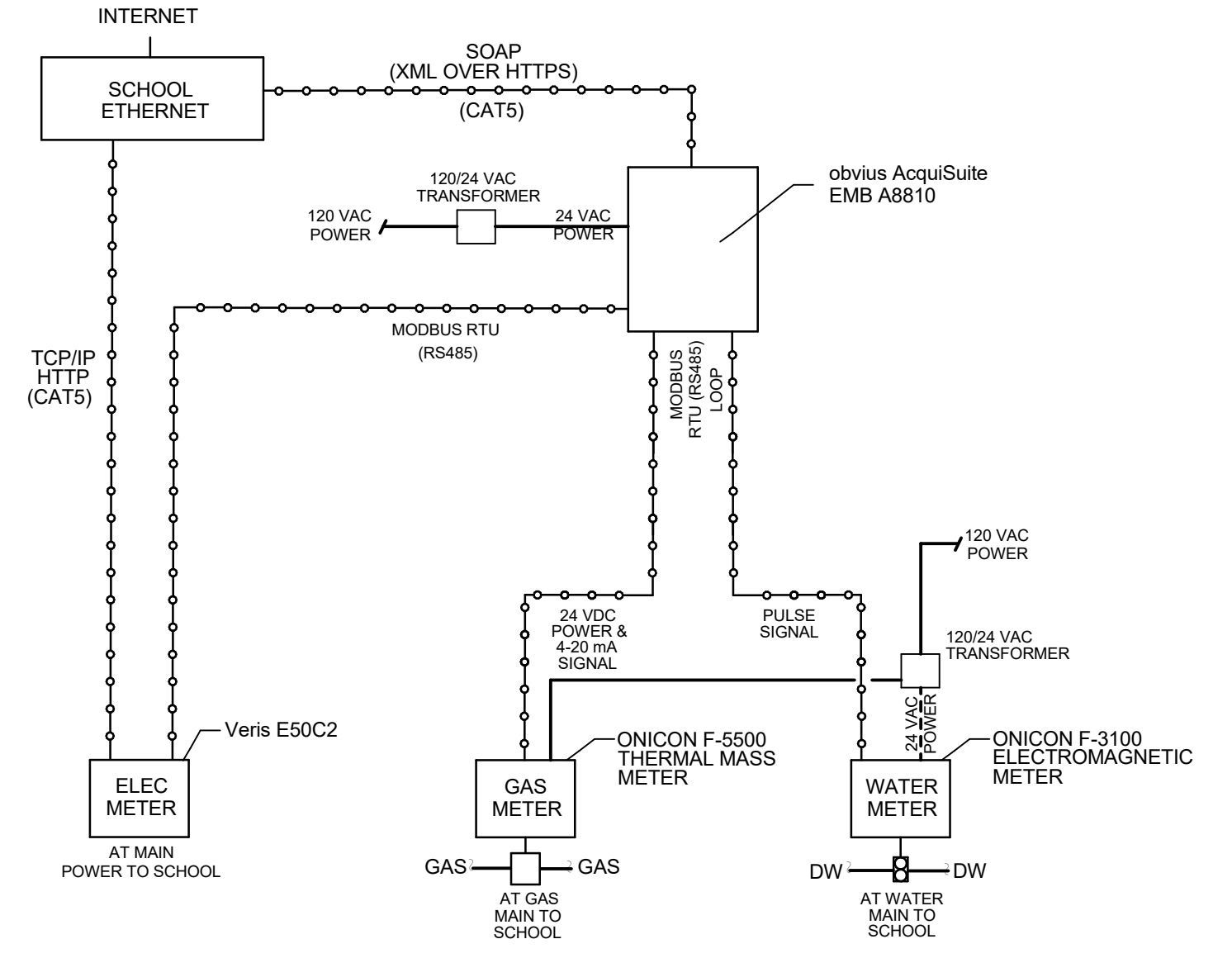
DRAWN BY	NZ
REVIEWED BY	AS
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

MECHANICAL CONTROLS DIAGRAMS

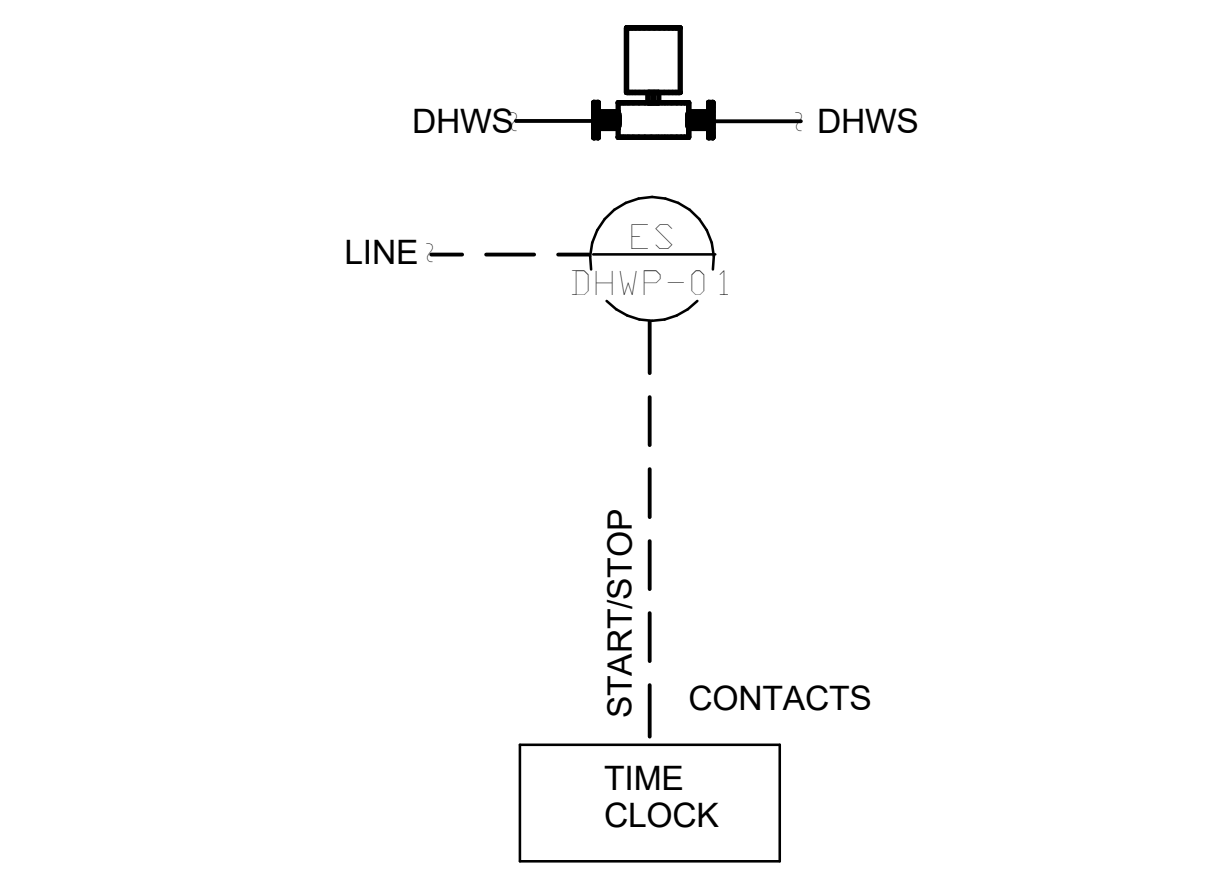


EACH AIR HANDLING UNIT SHALL BE FURNISHED WITH FACTORY CONTROLS FOR THE AIR HANDLING UNIT. THE CONTRACTOR SHALL PROVIDE INSTALLATION FOR ALL FIELD INSTALLED DEVICES FURNISHED WITH THE MECHANICAL EQUIPMENT. REFER TO SPECIFICATIONS FOR MORE INFORMATION. REFER TO SEQUENCE OF OPERATIONS FOR CONTROL FUNCTIONALITY.

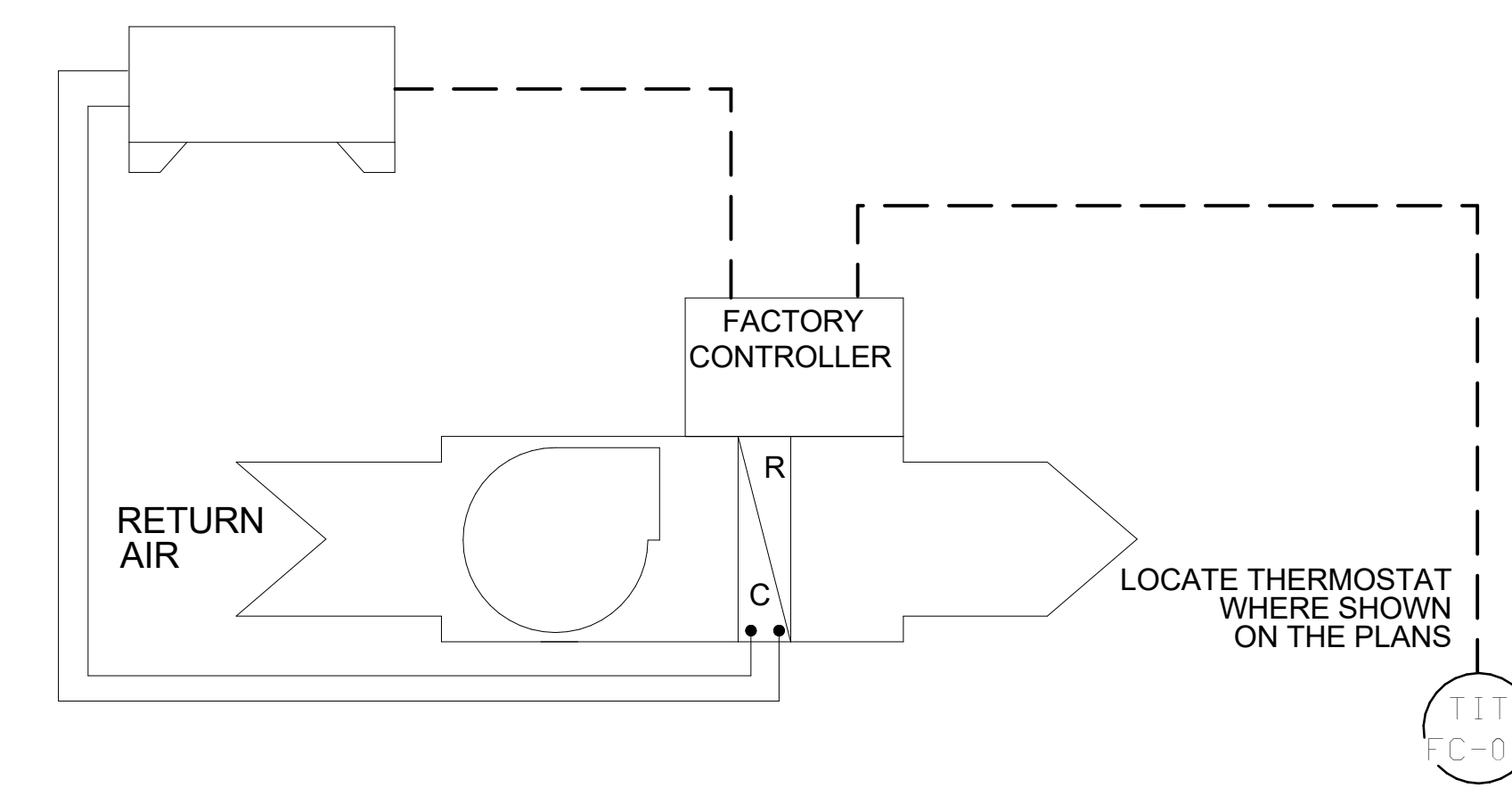
TYPICAL PACKAGED ROOFTOP AIR HANDLING UNIT CONTROL DIAGRAM



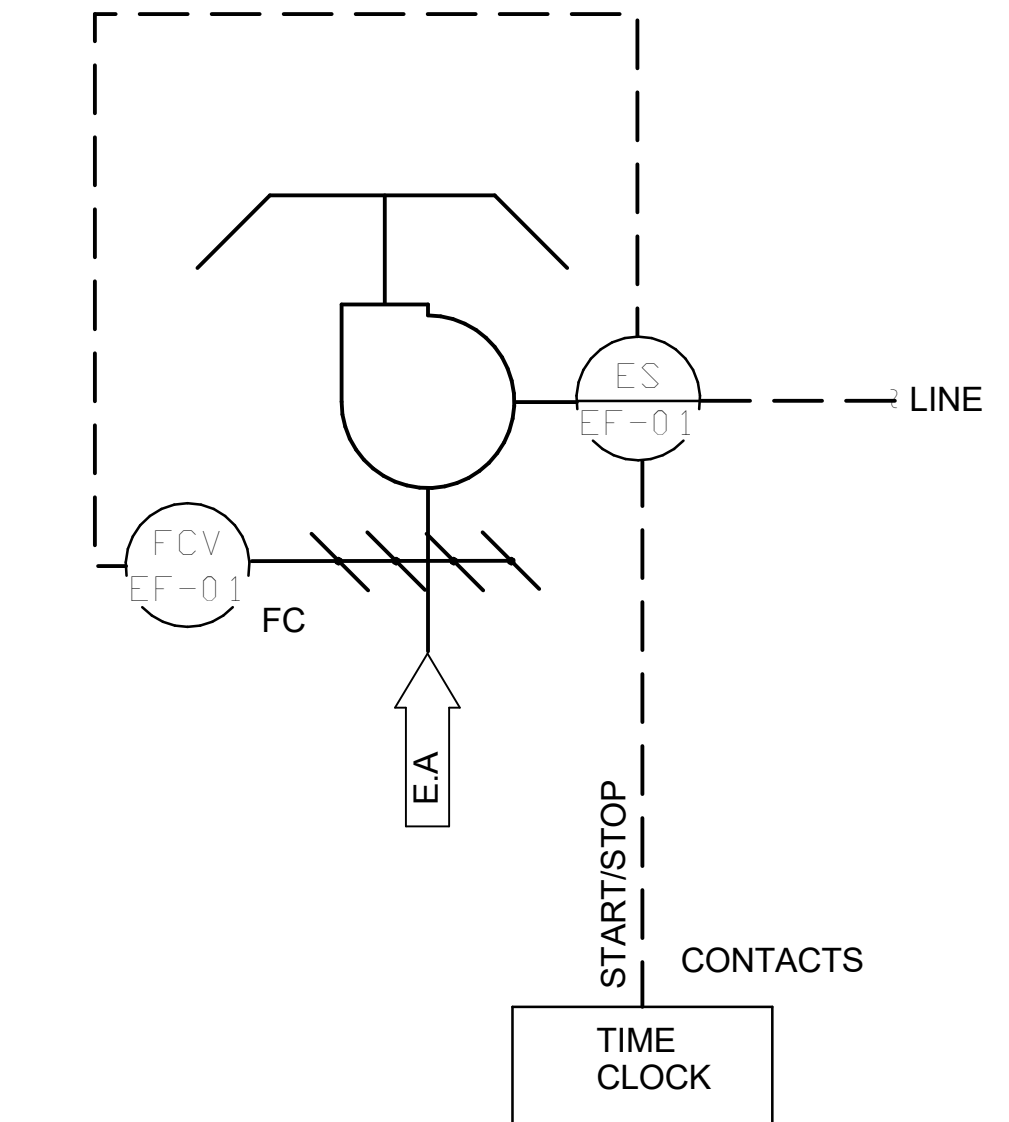
PSFA MEASUREMENT & VERIFICATION METERING SYSTEM CONTROL DIAGRAM



DOMESTIC HW PUMP CONTROL DIAGRAM



TYPICAL SPLIT SYSTEM CONTROL DIAGRAM



TYPICAL EXHAUST FAN CONTROL DIAGRAM (EF-1,2)

SEQUENCE OF OPERATIONS

TYPICAL ROOFTOP AIR HANDLING UNIT

**GENERAL**  
THE AIR HANDLING UNIT SHALL BE FURNISHED WITH A COMPLETE FACTORY PACKAGED CONTROL SYSTEM AND PROGRAMMABLE THERMOSTAT. THE FOLLOWING SEQUENCE OF OPERATIONS SHALL BE USED AS A DESIGN BASIS GUIDELINE FOR CONTROL OF THE UNIT HOWEVER THE EXACT SEQUENCE OF OPERATIONS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S STANDARD FACTORY SEQUENCE OF CONTROL FOR THE SPECIFIED UNIT. REFER TO THE AIR HANDLING UNIT MANUFACTURER'S SUBMITTAL AND O&M MANUAL FOR EXACT SEQUENCE DETAILS.

**MIXED AIR DAMPER CONTROL**  
THE AIR HANDLING UNIT CONTROL SYSTEM SHALL MODULATE THE MIXED AIR DAMPERS TO MAINTAIN THE SUPPLY AIR TEMPERATURE AT SET POINT. WHENEVER THE OUTSIDE AIR TEMPERATURE IS GREATER THAN THE RETURN AIR TEMPERATURE AND MECHANICAL COOLING IS REQUIRED, THE MIXED AIR DAMPERS SHALL BE IN THEIR NORMAL POSITION (FULL RETURN AIR WITH MINIMUM OUTSIDE AIR). WHEN THE AIR HANDLING UNIT IS STOPPED, THE CONTROL SYSTEM SHALL CLOSE ALL OUTSIDE AIR DAMPERS AND THE RELIEF DAMPER AND OPEN THE RETURN AIR DAMPER.

**MINIMUM OUTSIDE AIR CONTROL**  
THE MINIMUM OUTSIDE AIR VOLUME SHALL BE CONTROLLED BY THE AIR HANDLING UNIT CONTROL SYSTEM THROUGH THE MINIMUM OUTSIDE AIR DAMPER POSITION SETPOINT SET BY THE TEST AND BALANCE CONTRACTOR. THE CONTROL SYSTEM SHALL NOT MODULATE THE OUTSIDE AIR VOLUME DAMPER BELOW THE MINIMUM OUTSIDE AIR DAMPER POSITION SETPOINT DURING OCCUPIED PERIODS. IF THE AIR HANDLING UNIT IS STOPPED, THE CONTROL SYSTEM SHALL CLOSE THE DAMPER.

**TEMPERATURE CONTROL**  
THE AIR HANDLING UNIT CONTROL SYSTEM SHALL MODULATE THE GAS FIRED FURNACE AND STAGE THE CONDENSING UNIT TO MAINTAIN THE SPACE TEMPERATURE SETPOINT. THE UNIT CONTROL SYSTEM SHALL PREVENT SIMULTANEOUS HEATING AND COOLING. THE COOLING SETPOINTS SHALL BE 76 °F (ADJUSTABLE) FOR OCCUPIED PERIODS AND 85 °F (ADJUSTABLE) DURING UNOCCUPIED PERIODS. THE HEATING SETPOINTS SHALL BE 72 °F (ADJUSTABLE) FOR OCCUPIED PERIODS AND 55 °F (ADJUSTABLE) FOR UNOCCUPIED PERIODS.

SUPPLY FAN CONTROL

THE SUPPLY FAN SHALL BE STARTED AND STOPPED BY THE PROGRAMMABLE THERMOSTAT BASED ON AN OCCUPANCY SCHEDULE FOR THE SPACE PROGRAMMED INTO THE THERMOSTAT. THE FAN SHALL OPERATE CONTINUOUSLY DURING OCCUPIED PERIODS. IF DURING UNOCCUPIED PERIODS, THE SPACE TEMPERATURE RISES ABOVE THE UNOCCUPIED COOLING SETPOINT OR FALLS BELOW THE UNOCCUPIED HEATING SETPOINT, THE AIR HANDLING UNIT SHALL START AND OPERATE TO CHANGE THE SPACE TEMPERATURE 2°F (ADJUSTABLE) BEFORE STOPPING. IF DURING UNOCCUPIED PERIODS, THE SPACE OCCUPANCY SWITCH IS ACTIVATED, THE AIR HANDLING UNIT SHALL START AND OPERATE FOR A PERIOD OF TWO HOURS BEFORE STOPPING.

**SUPPLY FAN MONITORING**  
THE FAN OPERATION SHALL BE INDICATED TO THE AIR HANDLING UNIT CONTROL SYSTEM THROUGH A CURRENT SWITCH OR OTHER FLOW INDICATOR.

**SMOKE DETECTOR**  
A SMOKE DETECTOR LOCATED IN THE SUPPLY AIR STREAM, SHALL STOP THE FAN THROUGH THE FIRE ALARM SYSTEM IF AN ALARM CONDITION IS DETECTED. WHEN THE FAN IS STOPPED, THE CONTROLS SYSTEM SHALL POSITION THE DAMPERS TO THEIR NORMAL STATE.

EXHAUST FANS EF-1,2

THE FAN SHALL OPERATE BASED ON AN OCCUPANCY SCHEDULE FOR THE SPACE THROUGH A PROGRAMMABLE TIME CLOCK. THE FAN SHALL OPERATE CONTINUOUSLY DURING OCCUPIED PERIODS.

TYPICAL SPLIT SYSTEM

EACH UNIT SHALL BE PROVIDED WITH A FACTORY PACKAGED CONTROL SYSTEM WHICH SHALL CONTROL THE UNIT TO MAINTAIN THE SPACE TEMPERATURE AT SETPOINT. RECOMMENDED SETPOINT FOR ELECTRICAL ROOMS 75°F AND 70°F FOR DATA ROOMS.

DOMESTIC HW PUMP

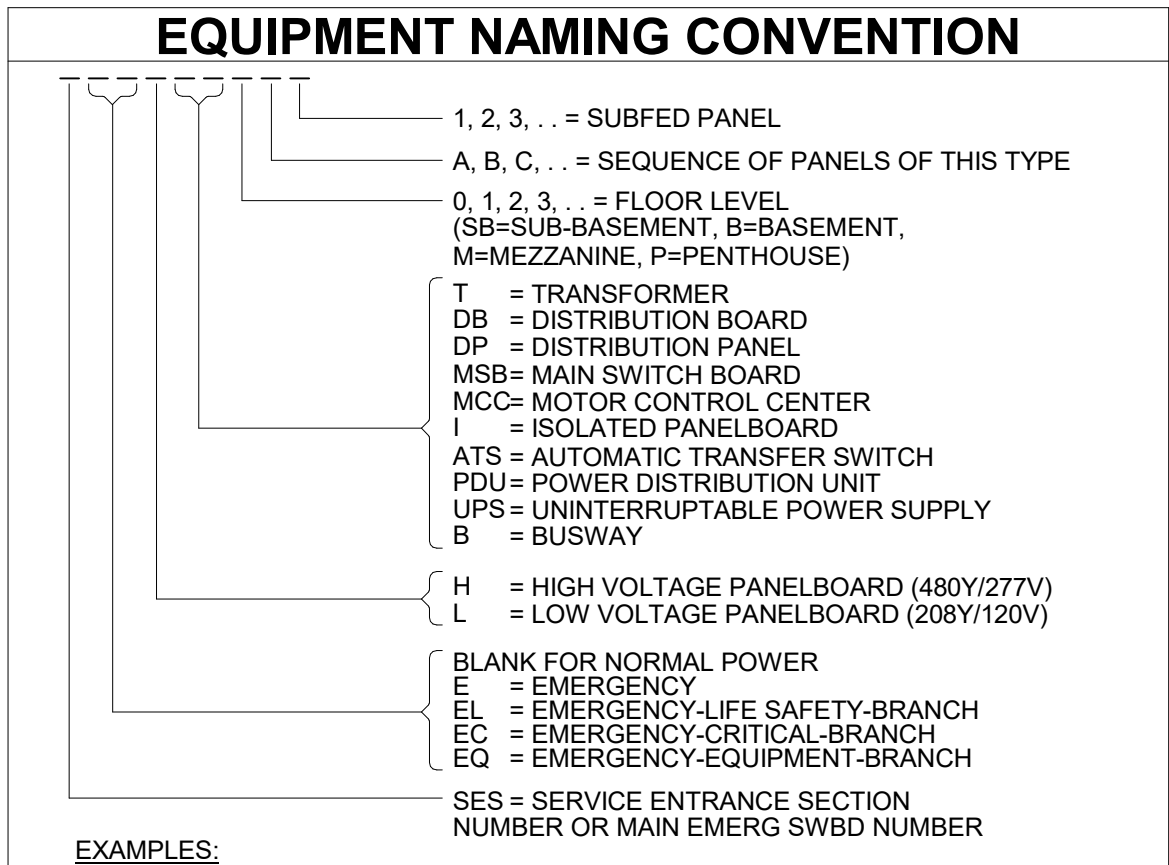
THE DOMESTIC WATER PUMP SHALL OPERATE BASED ON AN OCCUPANCY SCHEDULE FOR THE SPACE THROUGH A PROGRAMMABLE TIME CLOCK. THE PUMP SHALL OPERATE CONTINUOUSLY DURING OCCUPIED PERIODS.



UPDATED: 09/07/2016

ABBREVIATIONS table with columns for ABBREVIATION and DEFINITION. Includes terms like AMP, AC, ADA, AFC, etc.

REFERENCE TAGS table with columns for SYMBOL and DEFINITION. Includes symbols for KEYED NOTE REFERENCE, MECHANICAL EQUIPMENT REFERENCE, etc.

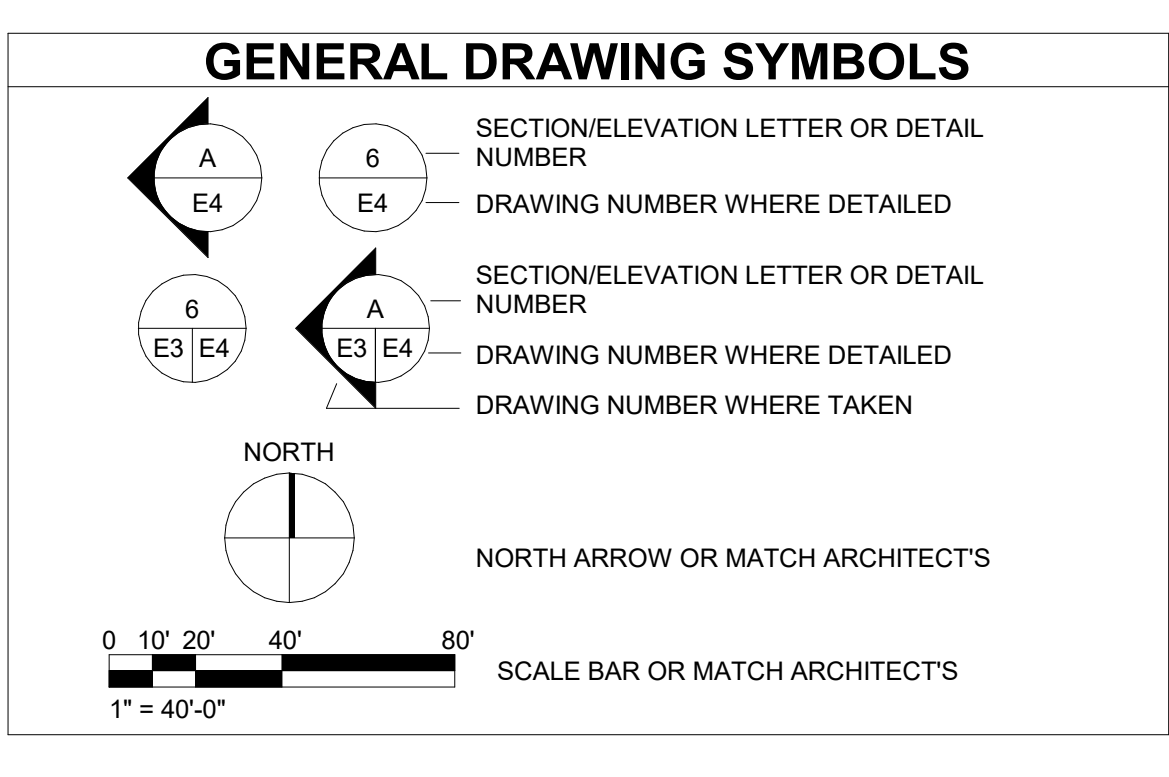


EXAMPLES  
A. SES1 (SERVICE ENTRANCE SECTION #1)  
B. 1H1A (SERVED FROM MAIN EMER SWBD #1, 480/277 NORMAL, LEVEL 1, FIRST BOARD)  
C. 1EQ1A (SERVED FROM MAIN EMER SWBD #1, 480/277 EQUIP POWER, LEVEL 1, FIRST BOARD)

RACEWAY & CONDUCTORS

BRANCH CIRCUIT GENERAL INFORMATION:  
BRANCH CIRCUITS FROM OVERCURRENT PROTECTION (OCP) TO FURTHEST DEVICE SHALL NOT EXCEED 75 FEET FOR 150 FEET FOR #10AWG COPPER. MEASURED ALONG CONDUCTORS ROUTING PATH. BRANCH CIRCUITS EXCEEDING 150 FEET WILL BE SIZED SO THAT VOLTAGE DROP DOES NOT EXCEED 5%.

Table with columns for SYMBOL and DESCRIPTION. Includes symbols for GROUND, HOT/PHASE, NEUTRAL, SWITCH LEG, HOMERUN, etc.



DEMOLITION table with columns for SYMBOL, DESCRIPTION, and NOTES. Includes symbols for DASHED SYMBOL INDICATES EXISTING DEVICE OR EQUIPMENT TO BE REMOVED, REMOVE EXISTING RACEWAY IN ALL ACCESSIBLE AREAS, etc.

DEVICES

Table with columns for SYMBOL, DESCRIPTION, and MOUNTING. Includes symbols for BLANK FOR NORMAL POWER, GFCI RATED, ISOLATED GROUND, TAMPERPROOF, WEATHERPROOF AND GFCI, WEATHERPROOF (IN-USE COVER), CLOCK, TELEVISION, etc.

LIGHTING

Table with columns for SYMBOL, DESCRIPTION, and MOUNTING. Includes symbols for HATCHING INDICATES EMERGENCY LIGHTING, RECESSED MOUNTED LUMINAIRE, SURFACE MOUNTED LUMINAIRE, LINEAR DIRECT/INDIRECT LUMINAIRE, DOWN LIGHT LUMINAIRE, WALL MOUNTED LUMINAIRE, TRACK MOUNTED LUMINAIRE, STRIP LUMINAIRE, EXIT LUMINAIRE, DOUBLE FACE EXIT LUMINAIRE, EMERGENCY BATTERY PACK LUMINAIRE, SINGLE HEAD, POLE MOUNTED LUMINAIRE, DOUBLE HEAD, POLE MOUNTED LUMINAIRE, etc.

EQUIPMENT

Table with columns for SYMBOL and DESCRIPTION. Includes symbols for MAIN SWITCHBOARD, DISTRIBUTION BOARD OR PANEL, FLUSH MOUNTED PANELBOARD, SURFACE MOUNTED PANELBOARD, MOTOR CONTROL CENTER, DRY TYPE TRANSFORMER, UNINTERRUPTIBLE POWER SUPPLY, AUTOMATIC TRANSFER SWITCH, UNINTERRUPTIBLE POWER SUPPLY, GROUND BAR, etc.

FIRE ALARM

Table with columns for SYMBOL, DESCRIPTION, and MOUNTING. Includes symbols for FIRE ALARM CONTROL PANEL, FIRE ALARM TERMINAL CABINET, FIRE ALARM ANNUNCIATOR PANEL, PULL STATION, FIREMAN'S TELEPHONE OUTLET, HORN NOTIFICATION, SPEAKER NOTIFICATION, CHIME NOTIFICATION, COMBINATION SPEAKER AND CHIME NOTIFICATION, STROBE LIGHT ONLY, BELL (GONG), PHOTOELECTRIC SMOKE DETECTOR, IONIZATION SMOKE DETECTOR, COMBINATION RATE OF RISE / FIXED TEMPERATURE, FIXED TEMPERATURE, TEMPERATURE AS NOTED ON PLANS OR SPECIFICATIONS, RATE OF RISE ONLY, BEAM TRANSMITTER, BEAM RECEIVER, UNDER FLOOR SMOKE DETECTOR, DUCT DETECTOR, FIRE/SMOKE DAMPER, PRESSURE SWITCH, TAMPER SWITCH, FLOW SWITCH, POST INDICATOR VALVE, MAGNETIC DOOR HOLDER, CONTROL RELAY, MONITOR MODULE, REMOTE ALARM INDICATING LIGHT, ADDRESSABLE/SUPERVISED RELAY, etc.

ONE-LINE DIAGRAM

Table with columns for SYMBOL and DESCRIPTION. Includes symbols for CIRCUIT BREAKER, DRAWOUT CIRCUIT BREAKER, MEDIUM VOLTAGE DRAWOUT CIRCUIT BREAKER, TRANSFORMER, POTENTIAL TRANSFORMER, DISCONNECT SWITCH, GROUND FAULT PROTECTION, SHUNT TRIP OPERATOR, GROUND CONNECTION, TRANSFER SWITCH, SURGE ARRESTOR, SURGE PROTECTIVE DEVICE, KILOWATT METER, ELECTRONIC METER, KIRK KEY INTERLOCK, RELAY, AMMETER SWITCH, AMMETER, VOLTMETER SWITCH, VOLTMETER, DELTA CONNECTED, WYE CONNECTED, GENERATOR, VFD CONNECTION, MOTOR CONNECTION, UPS, etc.

UTILITIES

Table with columns for SYMBOL and DESCRIPTION. Includes symbols for DISTRIBUTION POLE FOR OVERHEAD ELECTRICAL OR COMMUNICATIONS, OVERHEAD UTILITY AND OR SYSTEM DISTRIBUTION, UNDERGROUND UTILITY AND OR SYSTEM DISTRIBUTION, UTILITY OR FACILITY TRANSFORMER, PAD MOUNTED SWITCH, CONNECTION CABINET, PRIMARY SITE METER ENCLOSURE, METER ENCLOSURE, CT ENCLOSURE, MANHOLE - POWER OR COMMUNICATION, HAND HOLE - POWER OR COMMUNICATION, ENGINE GENERATOR, TELECOMMUNICATION PEDESTAL, TELEVISION PEDESTAL, etc.

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Bridgers & Paxton Project No: 8022



THIS PROJECT IS TO BE COMPLETED IN TWO PHASES. PHASE 1 WORK SHALL BE COMPLETED PRIOR TO COMMENCEMENT OF ANY PHASE 2 WORK. THE PHASES OF WORK ARE INDICATED ON THIS DRAWING SET AND ON ARCHITECTURAL SHEET SERIES "G". CONSULT ENGINEER WITH ANY FURTHER PHASING QUESTIONS.

**GENERAL SHEET NOTES**

- A. CONSTRUCTION PHASING SCHEDULE WILL DICTATE DEMOLITION AND CONSTRUCTION MODIFICATIONS. COORDINATION OF SWITCHOVER OF SCHOOL SYSTEMS WILL REQUIRE THREE (3) WEEKS NOTIFICATION OF OWNER/ARCHITECT, OR AS INDICATED IN DIVISION 1. ANY AND ALL UTILITY WORK WILL BE PER EACH UTILITY COMPANY'S STANDARD AND REQUIREMENTS.
- B. REFER TO ARCHITECTURAL DEMOLITION SHEET SERIES "AD" TO VERIFY EXTENT OF ARCHITECTURAL DEMOLITION.
- C. THE SCHOOL DISTRICT WILL HAVE FIRST RIGHT OF REFUSAL ON ELECTRICAL EQUIPMENT THAT IS TO BE REMOVED.
- D. NOT ALL ITEMS OF DEMOLITION ARE SHOWN ON THIS DEMOLITION PLAN. THERE ARE MANY SPECIFIC AND SMALL ITEMS OF DEMOLITION THAT WILL BE NECESSARY THROUGHOUT THE COURSE OF THE WORK WHICH IS APPARENT BY A COMPLETE AND THOROUGH REVIEW OF EXISTING CONDITIONS AND ALL OF THE CONSTRUCTION DOCUMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PERFORM ALL DEMOLITION OPERATIONS REQUIRED FOR THIS PROJECT.
- E. REMOVE ALL UNUSED RACEWAY PATHS FROM CEILING SPACE.
- F. REMOVE ALL UNUSED CONDUCTORS AND CABLES FROM CEILING SPACE.
- G. THROUGHOUT ALL CEILING/CEILING SPACES ALL RACEWAY PATHS, WHETHER NEW OR EXISTING, WILL BE PROPERLY SUPPORTED TO MEET NEC AND MEC CODE REQUIREMENTS, PLUS ANY BICSI INSTALLATION REQUIREMENTS FOR LOW VOLTAGE CABLES.

**ELEC. DEMO PLAN LEGEND**

ELECTRICAL DISTRIBUTION UPGRADE IS PART OF BASE BID AND FIRE ALARM UPGRADE OF ENTIRE BUILDING IS PART OF BID LOT #1.

BASE BID  
BID LOT #1

- A. REMOVE ALL RECEPTACLES, ALL GENERAL POWER DEVICES, AND ALL FIRE ALARM DEVICES. REMOVE ALL ASSOCIATED EXISTING CIRCUITS, CABLING, AND RACEWAY PATHS BACK TO SOURCE. SEE SHEET SERIES "EP" AND "FA" FOR NEW POWER AND FIRE ALARM IN THIS AREA. SHOULD EXISTING CIRCUITS BEING DISCONNECTED SERVE DEVICE THAT NEEDS TO REMAIN, THOSE EXISTING CIRCUITS WILL BE MODIFIED AND RE-CIRCUITED TO NEW PANEL SOURCE TO KEEP EXISTING DEVICE REMAINING CONNECTED AND OPERABLE.
- B. REMOVE ALL LUMINAIRES, LIGHTING CONTROLS AND LIGHTING RACEWAY PATHS BACK TO SOURCE. SEE SHEET SERIES "EL" FOR NEW LIGHTING IN THIS AREA.
- C. REMOVE ALL POWER, RACEWAY, AND CONDUCTORS TO ALL MECHANICAL EQUIPMENT IN THIS AREA. REFER TO SHEET SERIES "M" FOR ADDITIONAL INFORMATION.
- D. IN WALLS THAT ARE TO REMAIN, EXISTING CONDUITS TO BE REMOVED BACK TO SOURCE AND BLANK COVERPLATE PROVIDED.
- E. PRIOR TO COMMENCEMENT OF ANY WORK, CONTRACTOR WILL VERIFY ALL CEILING HEIGHTS AND TYPES FOR REMOVAL OF ANY FIRE ALARM EQUIPMENT OR DEVICES.
- F. EXISTING FIRE ALARM PROTECTION WILL BE MAINTAINED UNTIL NEW FIRE ALARM SYSTEM IS INSTALLED. PROVIDE A FIRE WATCH AS NECESSARY TO ENSURE ENTIRE BUILDING IS PROTECTED AT ANY TIME EXISTING SYSTEM IS DOWN FOR ANY REASON.
- G. IN BOTH THE DEMOLITION OF THE EXISTING FIRE ALARM SYSTEM AND THE INSTALLATION OF THE NEW FIRE ALARM SYSTEM, WORK WILL BE REQUIRED IN THE CEILING SPACES AND IN THE WALL SPACES. CONTRACTOR SHALL VERIFY AND DOCUMENT EACH CEILING AND WALL TYPE AND ANY DAMAGE TO ANY PORTION OF THE CEILING OR WALL PRIOR TO COMMENCEMENT OF ANY WORK WHERE DAMAGE IS EXISTING. CONTRACTOR IS TO COORDINATE WITH OWNERS REPRESENTATIVE AND ARCHITECT FOR DIRECTION OF REPLACEMENT FOR EACH CEILING AND WALL TYPE. CONTRACTOR WILL ALSO PROVIDE UNIT PRICING TO REPLACE OR REPAIR DAMAGED CEILING OR WALL.
- H. CONTRACTOR WILL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF EACH CEILING OR WALL TYPE AS WELL AS PAINTING TO MATCH EXISTING CONDITIONS SHOULD ANY DAMAGE TAKE PLACE DURING THE INSTALLATION OR REMOVAL OF NEW OR EXISTING FIRE ALARM SYSTEM. REPLACEMENT CEILING TILES WILL MATCH THE SURROUNDING TILES IN EACH SPACE TO EXACT MODEL TYPE AS EXISTING. CONTRACTOR WILL LEAVE ALL AREAS OF THE CEILING AND WALLS AS WERE EXISTING OR BETTER THAN THE CONDITION IT WAS FOUND IN.

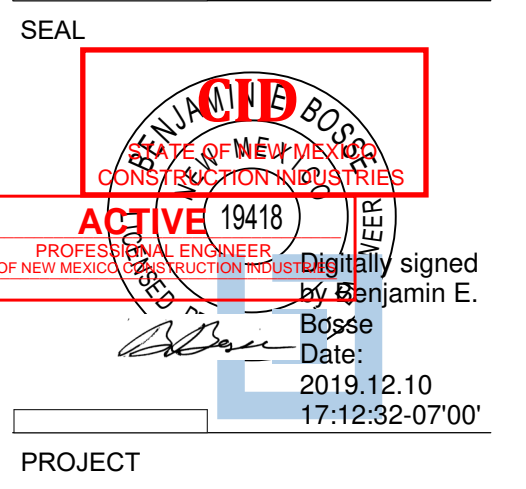
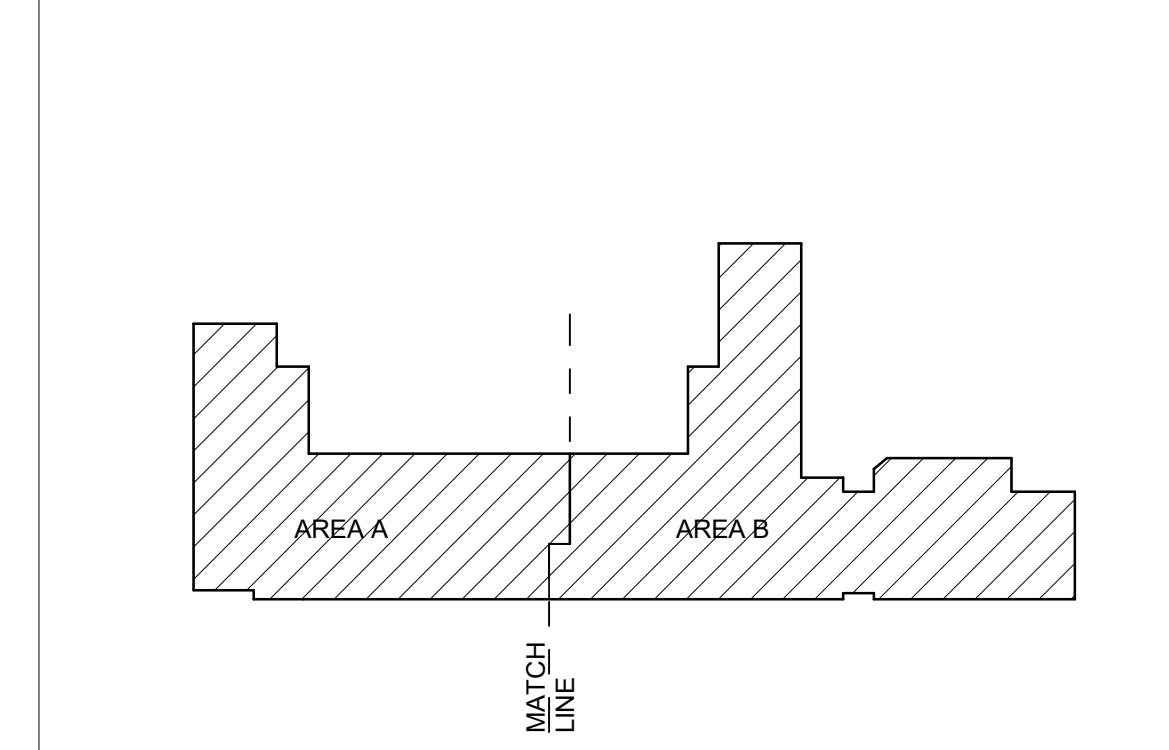
**EXISTING TO REMAIN**

- A. ALL LUMINAIRES, LIGHTING CONTROLS AND LIGHTING RACEWAY PATHS WILL REMAIN. SEE SHEET SERIES "EL" FOR CIRCUITS IN THIS AREA.
- B. UNLESS NOTED OTHERWISE, ALL ELECTRICAL EQUIPMENT ASSOCIATED WITH MECHANICAL EQUIPMENT TO REMAIN, PLUS ASSOCIATED RACEWAY PATH AND CONDUCTORS BACK TO PANEL SOURCE WILL REMAIN AS IS. REFER TO SHEET SERIES "M" FOR ADDITIONAL DEMOLITION INFORMATION ON MECHANICAL SYSTEM UNITS.
- C. ALL RECEPTACLES AND GENERAL POWER DEVICES TO REMAIN PLUS ASSOCIATED BRANCH CIRCUIT SERVING THEM IF BRANCH CIRCUITS ARE WITHIN PANELS TO REMAIN. IF BRANCH CIRCUITS ARE FROM PANELS TO BE DEMOLISHED, THEN EXISTING GENERAL POWER WILL REMAIN PLUS ASSOCIATED RACEWAY PATH TO THE EXTENT THAT REUSE IS POSSIBLE AND WILL BE RE-CIRCUITED TO NEW PANELS THAT WILL BE INSTALLED WITHIN THIS SPACE. REFER TO SHEET SERIES "EP" FOR NEW CIRCUITS.
- D. PRIOR TO COMMENCEMENT OF ANY WORK, CONTRACTOR WILL VERIFY ALL CEILING HEIGHTS AND TYPES FOR REMOVAL OF ANY FIRE ALARM EQUIPMENT OR DEVICES.
- E. EXISTING FIRE ALARM PROTECTION WILL BE MAINTAINED UNTIL NEW FIRE ALARM SYSTEM IS INSTALLED. PROVIDE A FIRE WATCH AS NECESSARY TO ENSURE ENTIRE BUILDING IS PROTECTED AT ANY TIME EXISTING SYSTEM IS DOWN FOR ANY REASON.
- F. IN BOTH THE DEMOLITION OF THE EXISTING FIRE ALARM SYSTEM AND THE INSTALLATION OF THE NEW FIRE ALARM SYSTEM, WORK WILL BE REQUIRED IN THE CEILING SPACES AND IN THE WALL SPACES. CONTRACTOR SHALL VERIFY AND DOCUMENT EACH CEILING AND WALL TYPE AND ANY DAMAGE TO ANY PORTION OF THE CEILING OR WALL PRIOR TO COMMENCEMENT OF ANY WORK WHERE DAMAGE IS EXISTING. CONTRACTOR IS TO COORDINATE WITH OWNERS REPRESENTATIVE AND ARCHITECT FOR DIRECTION OF REPLACEMENT FOR EACH CEILING AND WALL TYPE. CONTRACTOR WILL ALSO PROVIDE UNIT PRICING TO REPLACE OR REPAIR DAMAGED CEILING OR WALL.
- G. CONTRACTOR WILL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF EACH CEILING OR WALL TYPE AS WELL AS PAINTING TO MATCH EXISTING CONDITIONS SHOULD ANY DAMAGE TAKE PLACE DURING THE INSTALLATION OR REMOVAL OF NEW OR EXISTING FIRE ALARM SYSTEM. REPLACEMENT CEILING TILES WILL MATCH THE SURROUNDING TILES IN EACH SPACE TO EXACT MODEL TYPE AS EXISTING. CONTRACTOR WILL LEAVE ALL AREAS OF THE CEILING AND WALLS AS WERE EXISTING OR BETTER THAN THE CONDITION IT WAS FOUND IN.

**KEYNOTES**

- ED01 ELECTRICAL EQUIPMENT TO REMAIN AS PRESENTLY INSTALLED AND TO BE REFEED FROM NEW POWER SOURCE. REFER TO SHEET ES100 AND E-601 FOR ADDITIONAL INFORMATION. REMOVE EXISTING ELECTRICAL EQUIPMENT. REFER TO SHEET ED01 FOR ADDITIONAL INFORMATION.
- ED02 REMOVE EXISTING PANEL AND PROVIDE PULLBOX IN ITS PLACE FOR NEW PANEL PLACEMENT. ALL EXISTING BRANCH CIRCUITS WILL REMAIN AND BE MODIFIED TO EXTEND TO NEW PANEL. FEEDER CONDUIT AND CONDUCTORS BACK TO SOURCE WILL BE REMOVED. REFER TO SHEET ES100 AND E-601 FOR ADDITIONAL INFORMATION.
- ED04 FIRE ALARM PANEL TO REMAIN DURING PHASE 1 OF CONSTRUCTION SO THAT PHASE 2 PORTION OF BUILDING WILL REMAIN OPERATIONAL. THIS FIRE ALARM PANEL, AND ALL FEEDERS AND RACEWAYS WILL BE REMOVED DURING PHASE 2 OF CONSTRUCTION. PROVIDE PULLBOX ABOVE CEILING TO INTERCEPT RACEWAY FROM CONNECTION TO EXISTING FIRE ALARM PANEL. IN EXISTING ELEMENTARY SCHOOL, TO EXTEND TO NEW FIRE ALARM PANEL LOCATION. REFER TO FIRE ALARM RISER DIAGRAM ON SHEET E-602 FOR ADDITIONAL INFORMATION.
- ED05 ELECTRICAL EQUIPMENT TO REMAIN DURING PHASE 1 OF CONSTRUCTION SO THAT PHASE 2 PORTION OF BUILDING WILL REMAIN OPERATIONAL. THIS ELECTRICAL EQUIPMENT AND ALL FEEDERS AND BRANCH CIRCUIT RACEWAYS WILL BE REMOVED DURING PHASE 2 OF CONSTRUCTION.
- ED06 ELECTRICAL UTILITY TO REMAIN OPERATIONAL. THE ELECTRICAL UTILITY EQUIPMENT AND DISTRIBUTION WILL BE REMOVED BY XCEL ENERGY DURING PHASE 2 OF CONSTRUCTION.
- ED07 POLE TO REMAIN DURING PHASE 1 OF CONSTRUCTION SO THAT PHASE 2 PORTION OF BUILDING WILL REMAIN OPERATIONAL. THE POLE WILL BE REMOVED BY XCEL ENERGY DURING PHASE 2 OF CONSTRUCTION.

**KEYPLAN**



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

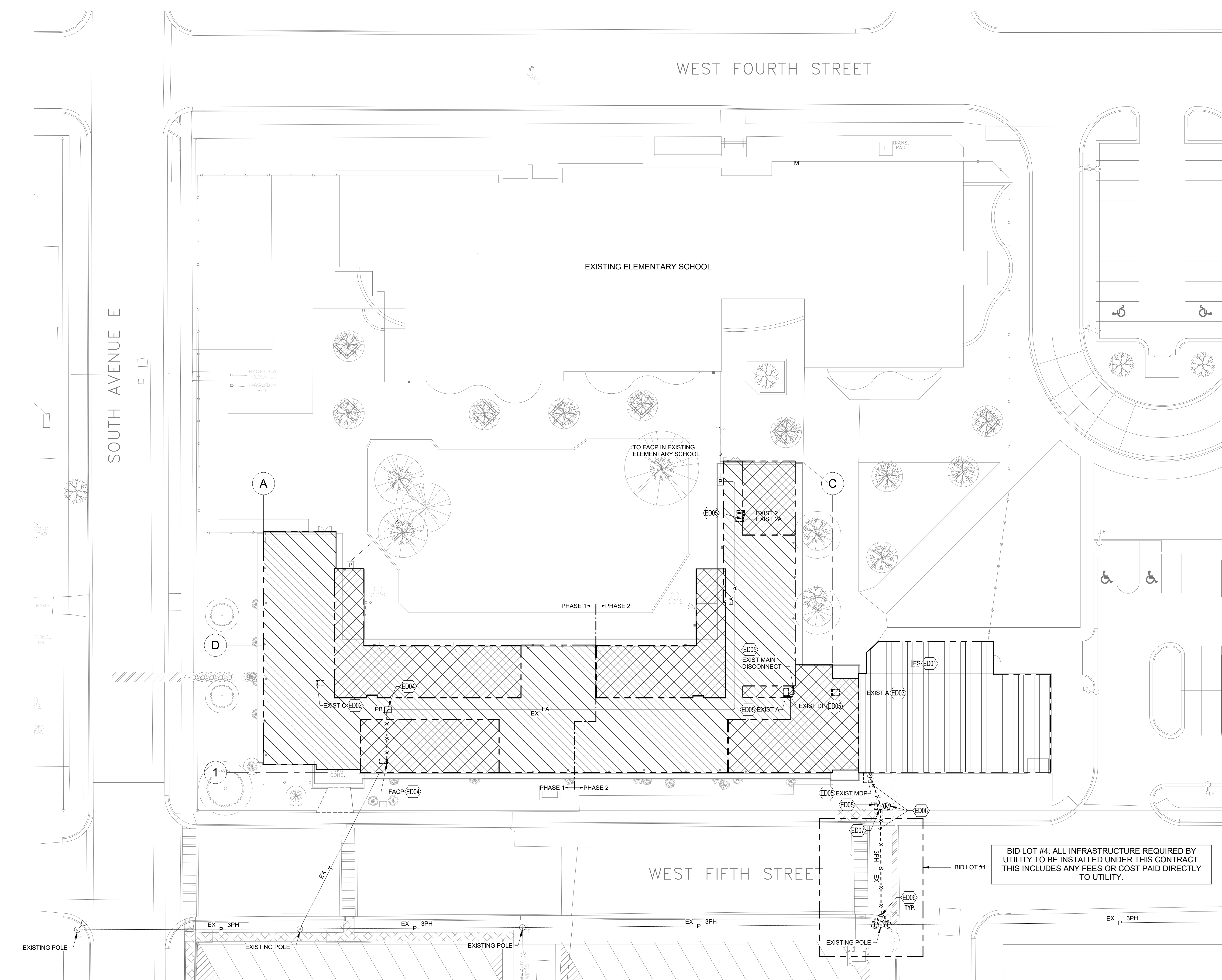
**CONSTRUCTION DOCUMENTS**

- REVISIONS
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DRAWN BY	MJL
REVIEWED BY	JMM
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

**ELECTRICAL DEMOLITION FLOOR PLAN - OVERALL**

SHEET NO  
**ED100**



BID LOT #4: ALL INFRASTRUCTURE REQUIRED BY UTILITY TO BE INSTALLED UNDER THIS CONTRACT. THIS INCLUDES ANY FEES OR COST PAID DIRECTLY TO UTILITY.

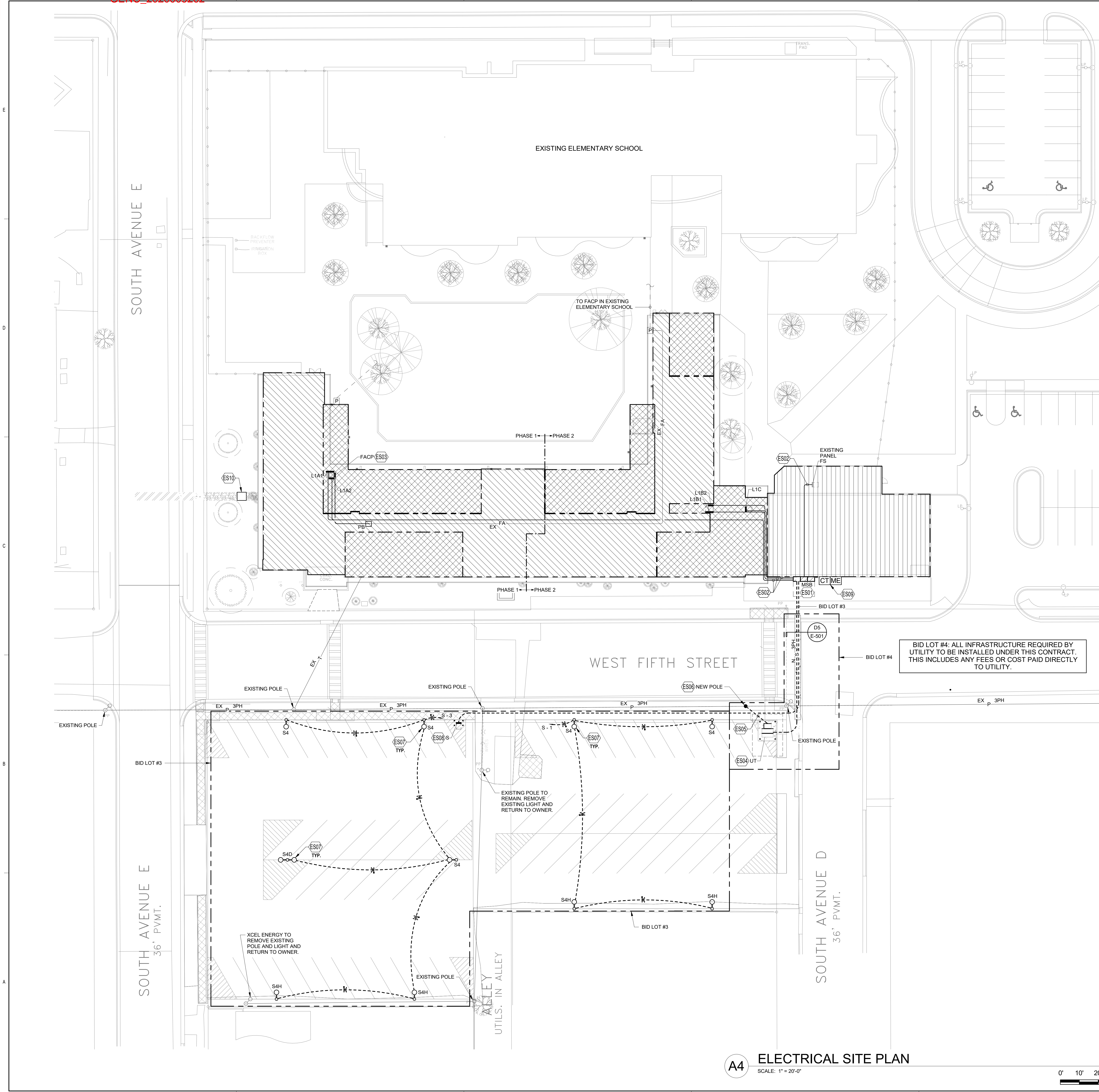
**A4 ELECTRICAL DEMOLITION FLOOR PLAN - OVERALL**

SCALE: 1" = 20'-0"  
0' 10' 20' 40'

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Bridgers & Paxton Project No. 8022

Portales Brown Early Childhood Center, Project #S20-008, PSFCC FUNDED





**GENERAL SHEET NOTES**

- A. SEE SHEET E-602 FOR FIRE ALARM RISER DIAGRAM AND ADDITIONAL INFORMATION.
- B. REFER TO SHEET SERIES "EP" FOR ELECTRICAL ROOM EQUIPMENT LAYOUTS AND EQUIPMENT SIZES.
- C. REFER TO SHEET SERIES "AS", "FX", "FK", AND "TP" FOR OTHER UTILITIES WITHIN ROUTING PATH OF ELECTRICAL RACEWAYS.
- D. REFER TO SHEET E-601 FOR ELECTRICAL EQUIPMENT, CONDUIT SIZE AND ADDITIONAL INFORMATION ON ELECTRICAL DISTRIBUTION SYSTEM.
- E. REFER TO SHEET SERIES "T" FOR TELECOMMUNICATIONS ROOMS, EQUIPMENT LAYOUTS AND EQUIPMENT SIZES.
- F. CONTRACTOR WILL REFER TO "C" SHEET SERIES FOR OTHER NEW AND EXISTING UTILITIES. CONTRACTOR WILL COORDINATE THE INSTALLATION OF ANY UTILITIES SHOWN ON THIS SHEET PRIOR TO COMMENCEMENT OF ANY WORK FOR BEST LOCATION OF THESE UTILITIES. WHERE CONDUITS CROSS A DRIVEWAY, ROADWAY OR PARKING AREA, CONDUITS WILL BE CONCRETE ENCASED.
- G. COORDINATE WITH CIVIL AND ARCHITECTURAL SHEETS PRIOR TO PLACEMENT OF SITE LUMINAIRE POLES. EACH POLE CAN BE ADJUSTED TO AVOID OBSTRUCTIONS, BUT ONLY UP TO 1" OF MOVEMENT IN ANY DIRECTION. PROVIDE A 6" GAP BETWEEN EDGE OF SIDEWALK OR CURBS TO POLE BASE.

THIS PROJECT IS TO BE COMPLETED IN TWO PHASES. PHASE 1 WORK SHALL BE COMPLETED PRIOR TO COMMENCEMENT OF ANY PHASE 2 WORK. THE PHASES OF WORK ARE INDICATED ON THIS DRAWING SET AND ON ARCHITECTURAL SHEET SERIES "G". CONSULT ENGINEER WITH ANY FURTHER PHASING QUESTIONS.

**ELEC. SITE PLAN LEGEND**

- BASE BID
- BID LOT #1
- EXISTING TO REMAIN

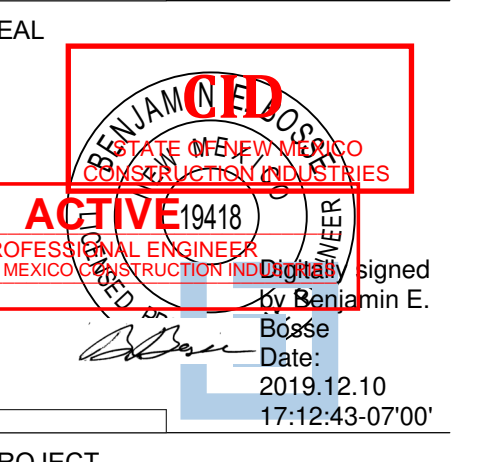
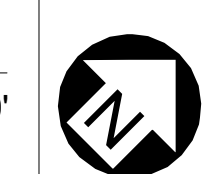
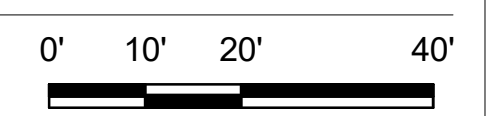
**KEYNOTES**

- ES01 NEW SWITCHBOARD "MSB" AND SECONDARY FEEDERS. REFER TO SHEET E-601 FOR ADDITIONAL INFORMATION.
- ES02 ROUTE FEEDER CONDUIT/CONDUCTORS EXPOSED UP SIDE OF EXTERIOR WALL AND ONTO ROOF AND DOWN TO EACH PANEL LOCATION. PAINT TO MATCH. REFER TO SHEET E-601 FOR CONDUCTOR AND CONDUIT SIZES.
- ES03 APPROXIMATE LOCATION OF FIRE ALARM CONTROL PANEL (FACP). NEW FACP TO BE CONNECTED TO EXISTING FACP IN EXISTING ELEMENTARY SCHOOL. REFER TO SHEET E-602 FOR ADDITIONAL INFORMATION. EXISTING FACP NEEDS TO REMAIN OPERATIONAL DURING PHASE 1 OF CONSTRUCTION SO THAT PHASE 2 PORTION OF BUILDING WILL REMAIN OPERATIONAL.
- ES04 NEW TRANSFORMER BY XCEL ENERGY. REFER TO SHEET E-601 FOR ADDITIONAL INFORMATION.
- ES05 THREE PHASE PRIMARY DISTRIBUTION UNDERGROUND TO NEW TRANSFORMER LOCATION. CONTRACTOR WILL COORDINATE WITH XCEL ENERGY FOR INSTALLATION REQUIREMENTS.
- ES06 NEW POWER POLE BY XCEL ENERGY.
- ES07 POLE MOUNTED LUMINAIRE. REFER TO POLE BASE DETAIL C4 ON SHEET E-601. PROVIDE 2#8 & 1#10 GROUND IN A 1" CONDUIT. EXTEND THESE CONDUCTORS TO EACH POLE ON THE CIRCUIT INDICATED AND HOMERUN.
- ES08 NEMA 3R PANEL MOUNTED ON UNISTRUT. REFER TO SHEET E-601 AND DETAIL B3 ON SHEET E-601 FOR ADDITIONAL INFORMATION.
- ES09 CT AND METER ENCLOSURE WILL BE MOUNTED AS DIRECTED BY XCEL ENERGY. CONTRACTOR WILL COORDINATE WITH XCEL ENERGY REPRESENTATIVE AND XCEL ENERGY SERVICE GUIDE FOR CORRECT INSTALLATION.
- ES10 REFER TO SHEET EP101A AND FA101A FOR PIV AND HOT BOX INFORMATION.

NEC 300.5 - Underground Installations

BID LOT #4: ALL INFRASTRUCTURE REQUIRED BY UTILITY TO BE INSTALLED UNDER THIS CONTRACT. THIS INCLUDES ANY FEES OR COST PAID DIRECTLY TO UTILITY.

**A4 ELECTRICAL SITE PLAN**  
SCALE: 1" = 20'-0"



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

- REVISIONS
- △
  - △
  - △
  - △
  - △

DRAWN BY	MJL
REVIEWED BY	JMM
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

**ELECTRICAL SITE PLAN**



**LIGHTING SEQUENCE OF OPERATION**

VARIOUS ROOMS WILL HAVE DIFFERING CONTROL SCHEMES FOR LOADS. SEE ROOMS FOR ADDITIONAL INFORMATION. ALL INFORMATION BELOW IS TYPICAL.

A. CLASSROOMS. SEE LIGHTING PLANS FOR ADDITIONAL INFORMATION.

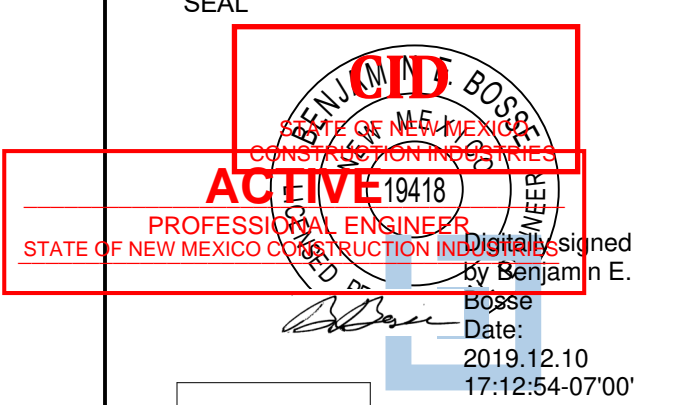
- UNOCCUPIED MODE:
  - WHEN ROOM IS UNOCCUPIED, ALL LIGHTING SHALL BE DISABLED AND DE-ENERGIZED BY VACANCY SENSOR(S) IN ROOM.
- OCCUPIED MODE:
  - a. LIGHTING CONTROL IN ROOM WILL BE ENABLED BY SWITCHES IN ROOM. NO LUMINAIRES WILL AUTOMATICALLY ENERGIZE.
  - b. DURING OCCUPANCY AT FOUR BUTTON SWITCH:
    - TOP BUTTON WILL BE PROGRAMMED TO CONTROL ALL LUMINAIRES IN ROOM AT 50% LUMEN OUTPUT.
    - SECOND BUTTON FROM TOP WILL BE PROGRAMMED TO CONTROL ALL LUMINAIRES IN ROOM AT 100% LUMEN OUTPUT.
    - THIRD BUTTON FROM TOP WILL BE PROGRAMMED TO CONTROL LUMINAIRES IN FRONT OF ROOM TO TURN OFF AND LUMINAIRES IN BACK OF ROOM AT 50% LUMEN OUTPUT.
    - BOTTOM BUTTON WILL BE PROGRAMMED TO TURN ALL LUMINAIRES IN ROOM OFF.
  - CONTRACTOR WILL PROVIDE ENGRAVED SWITCHES AND A PLACARD WITH CONTROL DESCRIPTION. PLACARD WILL BE PER ARCHITECTURAL REQUIREMENTS. PLACARD WILL BE NO LARGER THAN A SWITCH COVER PLATE. SEE DETAIL A4 ON SHEET E-501.
  - WHEN PERSONNEL LEAVE THE ROOM, THEY CAN TURN THE LIGHTS OFF AT THE SWITCH(ES) OR IF THE VACANCY SENSOR(S) TIMES OUT, THE SYSTEM SHALL RESET TO THE UNOCCUPIED MODE.

B. CORRIDORS:

- LOCAL CONTROL OF LUMINAIRES WILL BE VIA KEYS MOMENTARY SWITCHES.
- OVERALL CONTROL WILL BE PROGRAMMED ON AT 5 AM AND OFF AT 11 PM. COORDINATE EXACT TIMES WITH OWNER'S REPRESENTATIVE.

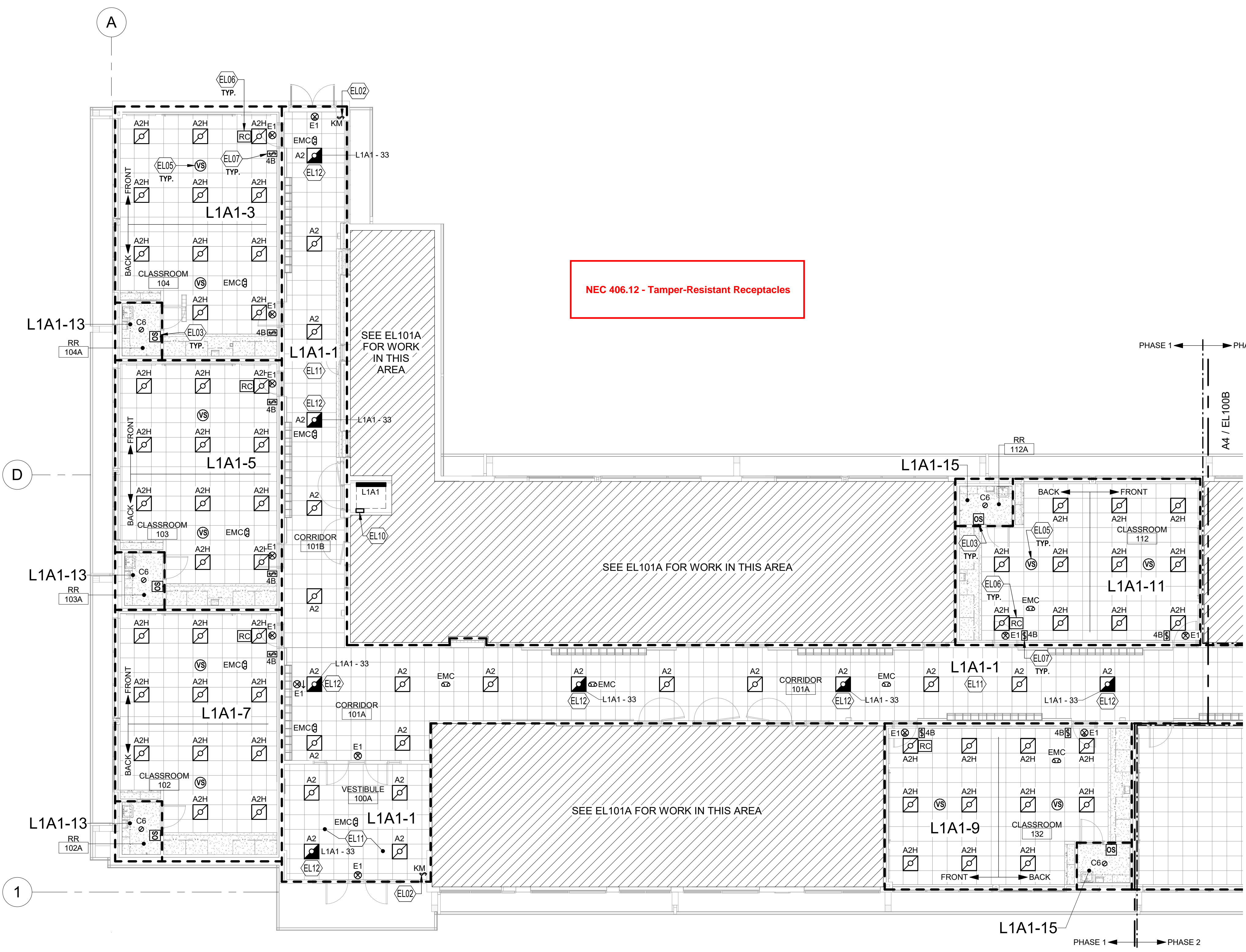
**GENERAL SHEET NOTES**

- ALL EXIT SIGNS ARE TYPE "E1" (SINGLE FACE) OR "E2" (DOUBLE FACE) UNLESS OTHERWISE NOTED. ALL EXIT SIGNS WILL BE CONNECTED TO CIRCUIT SERVING THE ROOM THEY ARE LOCATED IN AND FROM NO OTHER CIRCUIT.
- FOR ELECTRICAL LUMINAIRE SCHEDULE, SEE SHEET E-701.
- REFER TO SHEET SERIES "EP" FOR ELECTRICAL ROOMS AND ELECTRICAL EQUIPMENT LAYOUT.
- FOR LIGHTING SEQUENCE OF OPERATION, SEE THIS SHEET.
- FOR LUMINAIRE MOUNTING, REFER TO DETAIL A4 ON SHEET E-501.
- REFER TO SHEET SERIES "A" FOR ADDITIONAL CEILING GRID MOUNTING SUPPORT INFORMATION. ALL LUMINAIRES WILL BE SECURELY SUPPORTED SEPARATELY FROM CEILING GRIDS TO CEILING STRUCTURE.
- ALL LUMINAIRES IN DASHED AREA WILL BE CONNECTED TO CIRCUIT INDICATED UNLESS OTHERWISE NOTED. CONTROL IS INDICATED OR NOTED.
- ALL LIFE SAFETY LUMINAIRES WILL BE PROVIDED WITH A CONTINUOUS HOT FROM CIRCUIT SERVING LUMINAIRES IN SAME AREA.
- COVER PLATES OF ALL DEVICES WILL BE LABELED WITH CIRCUIT IT IS CONNECTED TO, SUCH DEVICES ARE, BUT NOT LIMITED TO, SWITCHES AND RECEPTACLES. REFER TO SPECIFICATION SECTION CROSS FOR ADDITIONAL INFORMATION.
- REMOVE ALL UNUSED RACEWAY PATHS FROM CEILING SPACE.
- REMOVE ALL UNUSED CONDUCTORS AND CABLES FROM CEILING SPACE.
- THROUGHOUT ALL CEILING/CEILING SPACES, ALL RACEWAY PATHS, WHETHER NEW OR EXISTING, WILL BE PROPERLY SUPPORTED TO MEET NEC AND NEMC CODE REQUIREMENTS, PLUS ANY BICSI INSTALLATION REQUIREMENTS FOR LOW VOLTAGE CABLES.

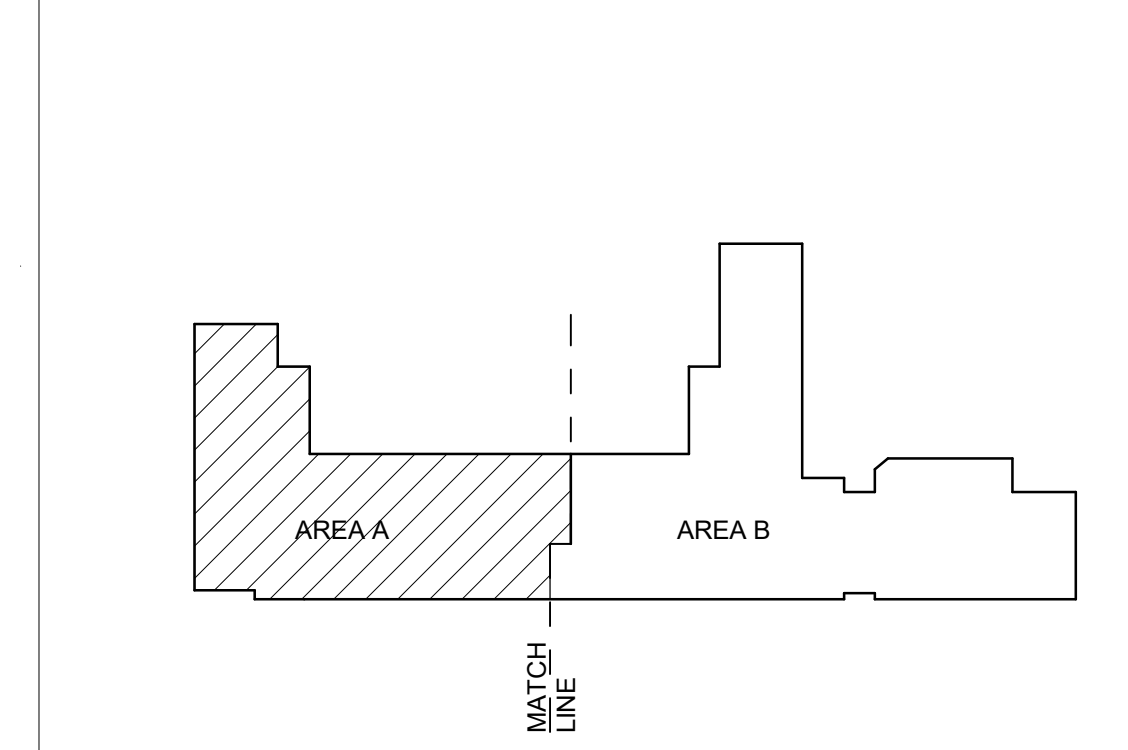


**KEYNOTES**

- EL02 ONE SWITCH; A KEYS MOMENTARY OVERRIDE SWITCH. THIS SWITCH WILL CONTROL CORRIDOR LIGHTING. IT WILL ALSO PROVIDE OVERRIDE OF LIGHTING BETWEEN 11 PM AND 5 AM. IF LIGHTING IS TURNED ON DURING THE NIGHT, THE LIGHTING WILL AUTOMATICALLY TURN OFF AFTER 30 MINUTES. LIGHTING WILL SIGNAL WITH A BLINK OF THE LIGHTS (5) FIVE MINUTES BEFORE SHUT DOWN. LABEL SWITCH "CORRIDOR CONTROL." SWITCH TYPE TO BE WATTSTOPPER LVS-1K-G.
- EL03 WALL-MOUNTED, DUAL TECHNOLOGY, LINE VOLTAGE OCCUPANCY SENSOR/SWITCH. WATTSTOPPER 80SW-100. LOCATE PER MANUFACTURER'S RECOMMENDATIONS. SHOWN HERE FOR BID PURPOSES.
- EL05 CEILING-MOUNTED, DIGITAL DUAL TECHNOLOGY, VACANCY SENSOR, WATTSTOPPER LMC-210 SERIES. FOR LIGHTING CONTROL SYSTEM, PROVIDE THE QUANTITY OF ROOM CONTROLLERS NECESSARY TO ACCOMPLISH ALL REQUIREMENTS TO ACHIEVE THE LIGHTING CONTROL FOR EACH SPACE AS DEPICTED IN THE LIGHTING SEQUENCE OF OPERATION ON THIS SHEET.
- EL07 FOUR BUTTON, SINGLE OUTLET DIGITAL WALL SWITCH, LMSW-104. CONTRACTOR WILL PROVIDE ENGRAVED SWITCHES AND A PLACARD WITH CONTROL DESCRIPTION. PLACARD WILL BE PER ARCHITECTURAL REQUIREMENTS. PLACARD WILL BE NO LARGER THAN A SWITCH COVER PLATE. REFER TO LIGHTING SEQUENCE OF OPERATION ON THIS SHEET AND DETAIL A4 ON SHEET E-501.
- EL10 LIGHTING CONTROL RELAY PANEL, WATTSTOPPER LMC-210 SERIES. FOR INTERIOR CORRIDOR LIGHTING, PROVIDE ETHERNET OUTLET ADJACENT TO RELAY PANEL. INCLUDE CONNECTION TO SERVER. REFER TO LIGHTING SEQUENCE OF OPERATION ON THIS SHEET FOR ADDITIONAL INFORMATION.
- EL11 CONNECT CORRIDOR CIRCUIT TO RELAY PANEL IN SAME ROOM AS PANEL SERVING THOSE LUMINAIRES.
- EL12 LUMINAIRE WILL BE USED AS NIGHT LIGHT AND WILL ALWAYS REMAIN ON. CONTRACTOR TO CONNECT CONTINUOUS HOT TO LUMINAIRE AND NOT TO CONNECT TO RELAY PANEL OR SWITCH-LEG.

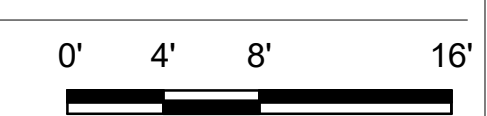


**KEYPLAN**



**A4 LIGHTING FLOOR PLAN - AREA A**

SCALE: 1/8" = 1'-0"



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

REVISIONS


DRAWN BY	MJL
REVIEWED BY	JMM
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	LIGHTING FLOOR PLAN - AREA A

SHEET NO  
**EL100A**

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Bridgers & Paxton Project No. 8022

Portales Brown Early Childhood Center, Project #S20-008, PSFA-CC-FUNDED



**LIGHTING SEQUENCE OF OPERATION**

VARIOUS ROOMS WILL HAVE DIFFERING CONTROL SCHEMES FOR LOADS. SEE ROOMS FOR ADDITIONAL INFORMATION. ALL INFORMATION BELOW IS TYPICAL.

A. CLASSROOMS: SEE LIGHTING PLANS FOR ADDITIONAL INFORMATION.

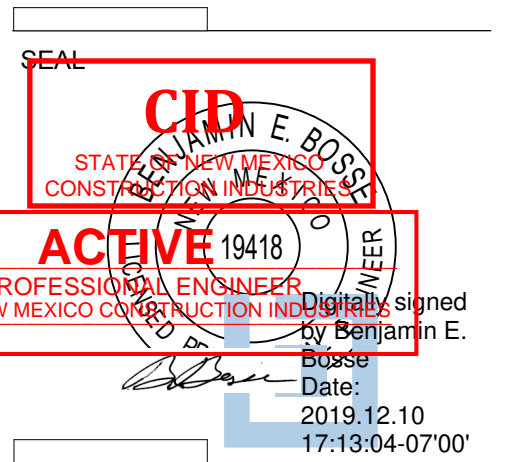
- UNOCCUPIED MODE:
  - WHEN ROOM IS UNOCCUPIED, ALL LIGHTING SHALL BE DISABLED AND DE-ENERGIZED BY VACANCY SENSOR(S) IN ROOM.
- OCCUPIED MODE:
  - LIGHTING CONTROL IN ROOM WILL BE ENABLED BY SWITCHES IN ROOM. NO LUMINAIRES WILL AUTOMATICALLY ENERGIZE.
  - DURING OCCUPANCY AT FOUR BUTTON SWITCH:
    - TOP BUTTON WILL BE PROGRAMMED TO CONTROL ALL LUMINAIRES IN ROOM AT 50% LUMEN OUTPUT.
    - SECOND BUTTON FROM TOP WILL BE PROGRAMMED TO CONTROL ALL LUMINAIRES IN ROOM AT 100% LUMEN OUTPUT.
    - THIRD BUTTON FROM TOP WILL BE PROGRAMMED TO CONTROL LUMINAIRES IN FRONT OF ROOM TO TURN OFF AND LUMINAIRES IN BACK OF ROOM AT 50% LUMEN OUTPUT.
    - BOTTOM BUTTON WILL BE PROGRAMMED TO TURN ALL LUMINAIRES IN ROOM OFF.
    - CONTRACTOR WILL PROVIDE ENGRAVED SWITCHES AND A PLACARD WITH CONTROL DESCRIPTION. PLACARD WILL BE PER ARCHITECTURAL REQUIREMENTS. PLACARD WILL BE NO LARGER THAN A SWITCH COVER PLATE. SEE DETAIL A4 ON SHEET E-501.
    - WHEN PERSONNEL LEAVE THE ROOM, THEY CAN TURN THE LIGHTS OFF AT THE SWITCH(ES) OR IF THE VACANCY SENSOR(S) TIMES OUT, THE SYSTEM SHALL RESET TO THE UNOCCUPIED MODE.

B. CORRIDORS:

- LOCAL CONTROL OF LUMINAIRES WILL BE VIA KEYPAD MOMENTARY SWITCHES.
- OVERALL CONTROL WILL BE PROGRAMMED ON AT 5 AM AND OFF AT 11 PM. COORDINATE EXACT TIMES WITH OWNER'S REPRESENTATIVE.

**GENERAL SHEET NOTES**

- ALL EXIT SIGNS ARE TYPE "E1" (SINGLE FACE) OR "E2" (DOUBLE FACE) UNLESS OTHERWISE NOTED. ALL EXIT SIGNS WILL BE CONNECTED TO CIRCUIT SERVING THE ROOM THEY ARE LOCATED IN AND FROM NO OTHER CIRCUIT.
- FOR ELECTRICAL LUMINAIRE SCHEDULE, SEE SHEET E-701.
- REFER TO SHEET SERIES "EP" FOR ELECTRICAL ROOMS AND ELECTRICAL EQUIPMENT LAYOUT.
- FOR LIGHTING SEQUENCE OF OPERATION, SEE THIS SHEET.
- FOR LUMINAIRE MOUNTING, REFER TO DETAIL A4 ON SHEET E-501.
- REFER TO SHEET SERIES "A" FOR ADDITIONAL CEILING GRID MOUNTING SUPPORT INFORMATION. ALL LUMINAIRES WILL BE SECURELY SUPPORTED SEPARATELY FROM CEILING GRIDS TO CEILING STRUCTURE.
- ALL LUMINAIRES IN DASHED AREA WILL BE CONNECTED TO CIRCUIT INDICATED UNLESS OTHERWISE NOTED. CONTROL IS INDICATED OR NOTED.
- ALL LIFE SAFETY LUMINAIRES WILL BE PROVIDED WITH A CONTINUOUS HOT FROM CIRCUIT SERVING LUMINAIRES IN SAME AREA.
- COVER PLATES OF ALL DEVICES WILL BE LABELED WITH CIRCUIT IT IS CONNECTED TO, SUCH DEVICES ARE, BUT NOT LIMITED TO, SWITCHES AND RECEPTACLES. REFER TO SPECIFICATION SECTION 0505 FOR ADDITIONAL INFORMATION.
- REMOVE ALL UNUSED RACEWAY PATHS FROM CEILING SPACE.
- REMOVE ALL UNUSED CONDUCTORS AND CABLES FROM CEILING SPACE.
- THROUGHOUT ALL CEILING/CEILING SPACES, ALL RACEWAY PATHS, WHETHER NEW OR EXISTING, WILL BE PROPERLY SUPPORTED TO MEET NEC AND NEMEC CODE REQUIREMENTS, PLUS ANY BICSI INSTALLATION REQUIREMENTS FOR LOW VOLTAGE CABLES.



PROJECT



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

- REVISIONS
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DRAWN BY	MJL
REVIEWED BY	JMM
DATE	12/10/2019
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DRAWING NAME	

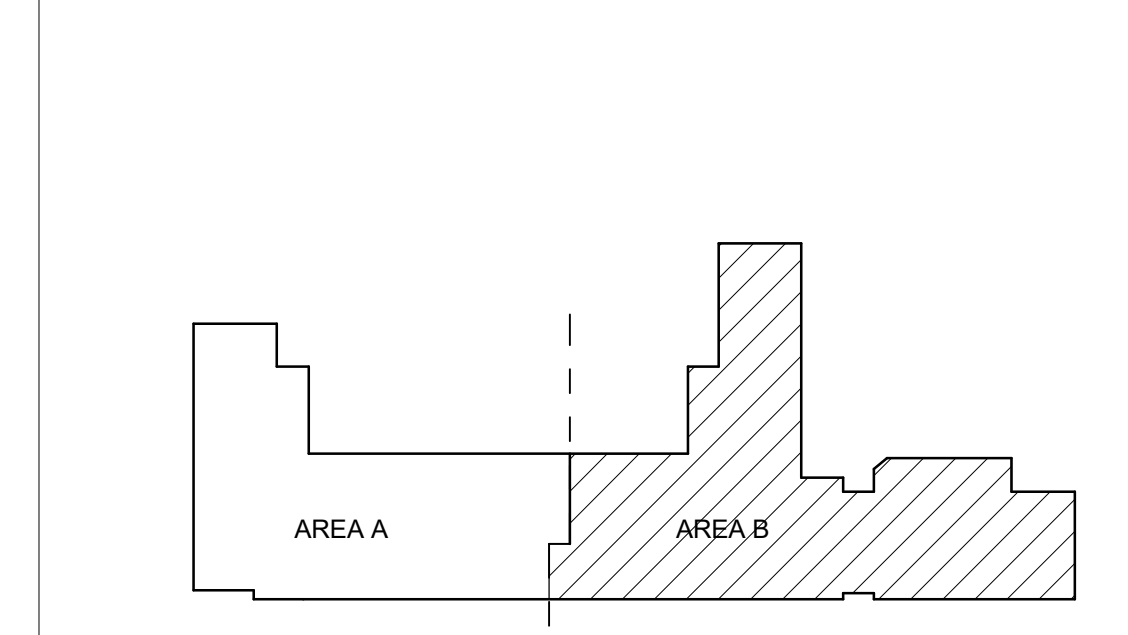
**LIGHTING FLOOR PLAN - AREA B**

SHEET NO  
**EL100B**

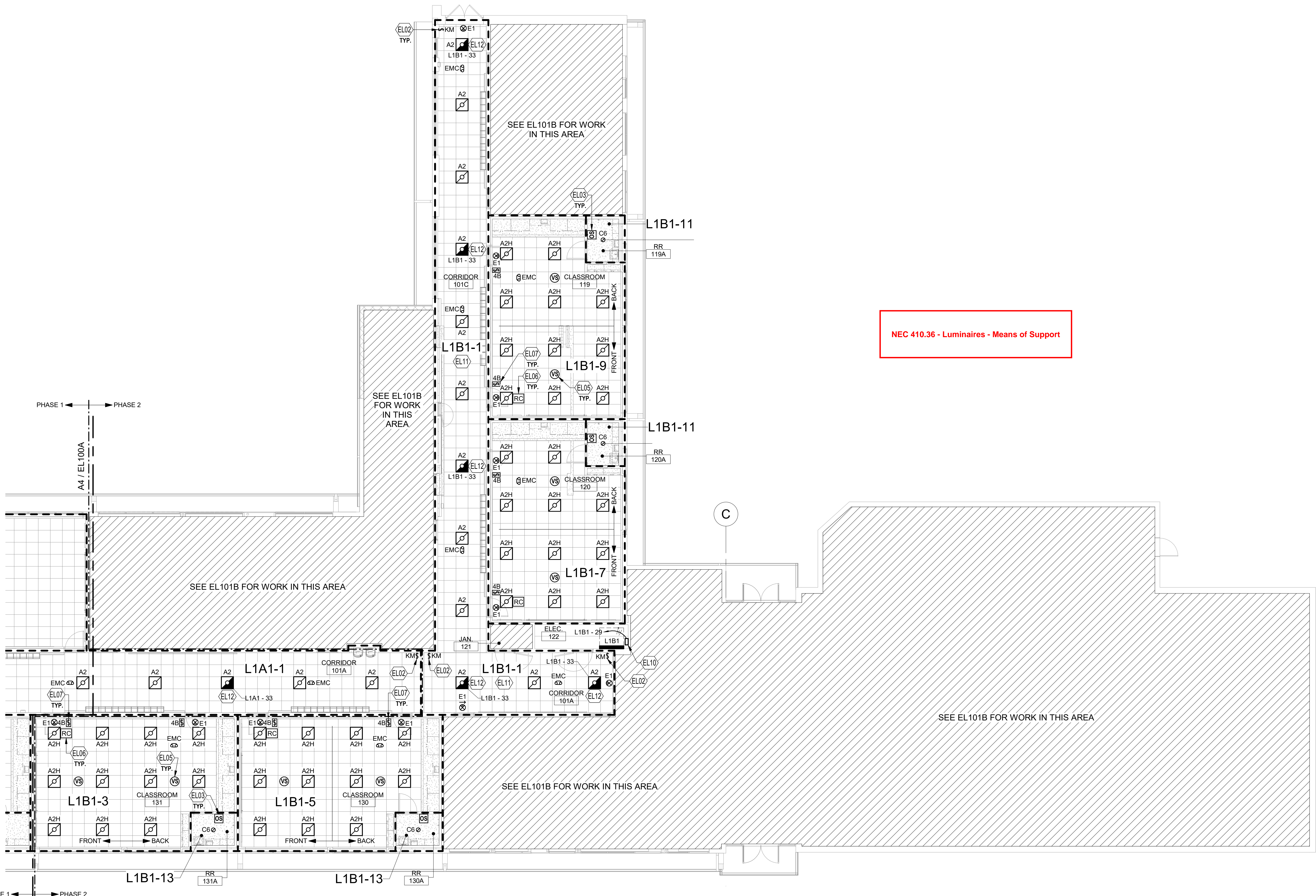
**KEYNOTES**

- ONE SWITCH; A KEYPAD MOMENTARY OVERRIDE SWITCH. THIS SWITCH WILL CONTROL CORRIDOR LIGHTING. IT WILL ALSO PROVIDE OVERRIDE OF LIGHTING BETWEEN 11 PM AND 5 AM. IF LIGHTING IS TURNED ON DURING THE NIGHT, THE LIGHTING WILL AUTOMATICALLY TURN OFF AFTER 30 MINUTES. LIGHTING WILL SIGNAL WITH A BLINK OF THE LIGHTS (5) FIVE MINUTES BEFORE SHUT DOWN. LABEL SWITCH "CORRIDOR CONTROL." SWITCH TYPE TO BE WATTSTOPPER LVS-1K-G.
- WALL-MOUNTED, DUAL TECHNOLOGY, LINE VOLTAGE OCCUPANCY SENSOR SWITCH. WATTSTOPPER 80SW-100. LOCATE PER MANUFACTURER'S RECOMMENDATIONS. SHOWN HERE FOR BID PURPOSES.
- CEILING-MOUNTED, DIGITAL DUAL TECHNOLOGY, VACANCY SENSOR, WATTSTOPPER LMC-210 SERIES. LOCATE PER MANUFACTURER'S RECOMMENDATIONS. SHOWN HERE FOR BID PURPOSES. REFER TO LIGHTING SEQUENCE OF OPERATION ON THIS SHEET FOR ADDITIONAL INFORMATION.
- DIGITAL ON/OFF-10 VOL. DIMMING ROOM CONTROLLER(S), WATTSTOPPER LMR-210 SERIES. FOR LIGHTING CONTROL SYSTEM, PROVIDE THE QUANTITY OF ROOM CONTROLLERS NECESSARY TO ACCOMPLISH ALL REQUIREMENTS TO ACHIEVE THE LIGHTING CONTROL FOR EACH SPACE AS DEPICTED IN THE LIGHTING SEQUENCE OF OPERATION ON THIS SHEET.
- FOUR BUTTON, SINGLE OUTLET DIGITAL WALL SWITCH, LMSW-10K. CONTRACTOR WILL PROVIDE ENGRAVED SWITCHES AND A PLACARD WITH CONTROL DESCRIPTION. PLACARD WILL BE PER ARCHITECTURAL REQUIREMENTS. PLACARD WILL BE NO LARGER THAN A SWITCH COVER PLATE. REFER TO LIGHTING SEQUENCE OF OPERATION ON THIS SHEET AND DETAIL A4 ON SHEET E-501.
- LIGHTING CONTROL RELAY PANEL, WATTSTOPPER LMRP SERIES. FOR INTERIOR CORRIDOR LIGHTING, PROVIDE ETHERNET OUTLET ADJACENT TO RELAY PANEL. INCLUDE CONNECTION TO SERVER. REFER TO LIGHTING SEQUENCE OF OPERATION ON THIS SHEET FOR ADDITIONAL INFORMATION.
- CONNECT CORRIDOR CIRCUIT TO RELAY PANEL IN SAME ROOM AS PANEL SERVING THOSE LUMINAIRES.
- LUMINAIRE WILL BE USED AS NIGHT LIGHT AND WILL ALWAYS REMAIN ON. CONTRACTOR TO CONNECT CONTINUOUS HOT TO LUMINAIRE AND NOT TO CONNECT TO RELAY PANEL OR SWITCH-LEG.

**KEYPLAN**

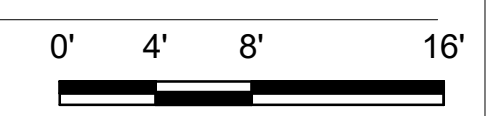


NEC 410.36 - Luminaires - Means of Support



**A4 LIGHTING FLOOR PLAN - AREA B**

SCALE: 1/8" = 1'-0"



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Bridgers & Paxton Project No. 8022

Portales Brown Early Childhood Center, Project #S20-008, PSFCC FUNDED



**LIGHTING SEQUENCE OF OPERATION**

VARIOUS ROOMS WILL HAVE DIFFERING CONTROL SCHEMES FOR LOADS. SEE ROOMS FOR ADDITIONAL INFORMATION. ALL INFORMATION BELOW IS TYPICAL.

**A. CLASSROOMS. SEE LIGHTING PLANS FOR ADDITIONAL INFORMATION.**

- UNOCCUPIED MODE:** WHEN ROOM IS UNOCCUPIED, ALL LIGHTING SHALL BE DISABLED AND DE-ENERGIZED BY VACANCY SENSOR(S) IN ROOM.
- OCCUPIED MODE:**
  - LIGHTING CONTROL IN ROOM WILL BE ENABLED BY SWITCHES IN ROOM. NO LUMINAIRES WILL AUTOMATICALLY ENERGIZE.
  - DURING OCCUPANCY AT FOUR BUTTON SWITCH:
    - TOP BUTTON WILL BE PROGRAMMED TO CONTROL ALL LUMINAIRES IN ROOM AT 50% LUMEN OUTPUT.
    - SECOND BUTTON FROM TOP WILL BE PROGRAMMED TO CONTROL ALL LUMINAIRES IN ROOM AT 100% LUMEN OUTPUT.
    - THIRD BUTTON FROM TOP WILL BE PROGRAMMED TO CONTROL LUMINAIRES IN FRONT OF ROOM TO TURN OFF AND LUMINAIRES IN BACK OF ROOM AT 50% LUMEN OUTPUT.
    - BOTTOM BUTTON WILL BE PROGRAMMED TO TURN ALL LUMINAIRES IN ROOM OFF.
    - CONTRACTOR WILL PROVIDE ENGRAVED SWITCHES AND A PLACARD WITH CONTROL DESCRIPTION. PLACARD WILL BE PER ARCHITECTURAL REQUIREMENTS. PLACARD WILL BE NO LARGER THAN A SWITCH COVER PLATE. SEE DETAIL A4 ON SHEET E-501.
  - WHEN PERSONNEL LEAVE THE ROOM, THEY CAN TURN THE LIGHTS OFF AT THE SWITCH(ES) OR IF THE VACANCY SENSOR(S) TIMES OUT, THE SYSTEM SHALL RESET TO THE UNOCCUPIED MODE.

**B. COMPUTER LAB, RECEPTION, NURSE (EXCEPT OVER BED), INTER, AND TEACHER'S LOUNGE. SEE LIGHTING PLANS FOR ADDITIONAL INFORMATION.**

- UNOCCUPIED MODE:** WHEN ROOM IS UNOCCUPIED, ALL LIGHTING SHALL BE DISABLED AND DE-ENERGIZED BY VACANCY SENSOR(S) IN ROOM.
- OCCUPIED MODE:**
  - LIGHTING CONTROL IN ROOM WILL BE ENABLED BY SWITCHES IN ROOM. NO LUMINAIRES WILL AUTOMATICALLY ENERGIZE.
  - DURING OCCUPANCY AT THREE BUTTON SWITCH:
    - TOP BUTTON WILL BE PROGRAMMED TO CONTROL ALL LUMINAIRES IN ROOM AT 50% LUMEN OUTPUT.
    - MIDDLE BUTTON WILL BE PROGRAMMED TO CONTROL ALL LUMINAIRES IN ROOM AT 100% LUMEN OUTPUT.
    - BOTTOM BUTTON WILL BE PROGRAMMED TO TURN ALL LUMINAIRES IN ROOM OFF.
    - CONTRACTOR WILL PROVIDE ENGRAVED SWITCHES AND A PLACARD WITH CONTROL DESCRIPTION. PLACARD WILL BE PER ARCHITECTURAL REQUIREMENTS. PLACARD WILL BE NO LARGER THAN A SWITCH COVER PLATE. SEE DETAIL A4 ON SHEET E-501.
  - WHEN PERSONNEL LEAVE THE ROOM, THEY CAN TURN THE LIGHTS OFF AT THE SWITCH OR IF THE VACANCY SENSOR(S) TIMES OUT, THE SYSTEM SHALL RESET TO THE UNOCCUPIED MODE.

**C. OFFICES, LIGHT OVER BED IN NURSE, IEP CONFERENCE, AND SPECIAL ED. SEE LIGHTING PLANS FOR ADDITIONAL INFORMATION.**

- UNOCCUPIED MODE:** WHEN ROOM IS UNOCCUPIED, ALL LIGHTING SHALL BE DISABLED AND DE-ENERGIZED BY VACANCY SENSOR(S) IN ROOM.
- OCCUPIED MODE:**
  - LIGHTING CONTROL IN ROOM WILL BE ENABLED BY DIMMER SWITCH IN ROOM. NO LUMINAIRES WILL AUTOMATICALLY ENERGIZE.
  - DURING OCCUPANCY AT DIMMER SWITCH: DIMMER SWITCH WILL CONTROL ALL LUMINAIRES IN ROOM.
  - WHEN PERSONNEL LEAVE THE ROOM, THEY CAN TURN THE LIGHTS OFF AT THE DIMMER SWITCH OR IF THE VACANCY SENSOR(S) TIMES OUT, THE SYSTEM SHALL RESET TO THE UNOCCUPIED MODE.

**D. RESTROOMS, COOPER HALL, AND UTILITY ROOMS (STORAGE, JANITORS AND SIMILAR NORMALLY UNOCCUPIED ROOMS):**

- LARGE:**
  - OCCUPANCY SENSOR(S) IN ROOM WILL AUTOMATICALLY TURN ON ALL LUMINAIRES AT 100% LUMEN OUTPUT.
  - LUMINAIRES IN ROOM CAN BE ENABLED BY SWITCH(ES).
  - WHEN PERSONNEL LEAVE THE ROOM, THEY CAN TURN THE LIGHTS OFF AT THE SWITCH OR IF THE OCCUPANCY SENSOR TIMES OUT, ALL LIGHTING SHALL BE DISABLED AND DE-ENERGIZED.
- SMALL:**
  - WALL MOUNTED OCCUPANCY SENSOR IN ROOM WILL AUTOMATICALLY TURN ON ALL LUMINAIRES AT 100% LUMEN OUTPUT.
  - LUMINAIRES IN ROOM CAN BE ENABLED BY ON/OFF SWITCH AT WALL MOUNTED OCCUPANCY SENSOR.
  - WHEN PERSONNEL LEAVE THE ROOM, THEY CAN TURN THE LIGHTS OFF AT THE SWITCH OR IF THE OCCUPANCY SENSOR TIMES OUT, ALL LIGHTING SHALL BE DISABLED AND DE-ENERGIZED.

**E. IT ROOM, ELECTRICAL ROOMS, FIRE RISER ROOM, AND RESTROOM CHASE:**

- ALL LUMINAIRES IN ROOM WILL BE ENABLED BY TOGGLE SWITCH(ES). THESE LUMINAIRES WILL NOT AUTOMATICALLY ENERGIZE OR DE-ENERGIZE.

**F. CORRIDORS:**

- LOCAL CONTROL OF LUMINAIRES WILL BE VIA KEYPAD MOMENTARY SWITCHES.
- OVERALL CONTROL WILL BE PROGRAMMED ON AT 5 AM AND OFF AT 11 PM. COORDINATE EXACT TIMES WITH OWNER'S REPRESENTATIVE.

**G. EXTERIOR BUILDING MOUNTED LIGHTING AND PARKING LOT LIGHTING:**

- ALL EXTERIOR BUILDING MOUNTED LIGHTING WILL BE PROGRAMMED BY PHOTOCELLS TO COME ON AT DUSK AND OFF AT DAWN.

**GENERAL SHEET NOTES**

- ALL EXIT SIGNS ARE TYPE "E1" (SINGLE FACE) OR "E2" (DOUBLE FACE) UNLESS OTHERWISE NOTED. ALL EXIT SIGNS WILL BE CONNECTED TO CIRCUIT SERVING THE ROOM THEY ARE LOCATED IN AND FROM NO OTHER CIRCUIT.
- FOR ELECTRICAL LUMINAIRE SCHEDULE, SEE SHEET E-101.
- REFER TO SHEET SERIES "EP" FOR ELECTRICAL ROOMS AND ELECTRICAL EQUIPMENT LAYOUT.
- FOR LIGHTING SEQUENCE OF OPERATION, SEE THIS SHEET.
- FOR LUMINAIRE MOUNTING, REFER TO DETAIL AS ON SHEET E-501.
- REFER TO SHEET SERIES "A" FOR ADDITIONAL CEILING GRID MOUNTING SUPPORT INFORMATION. ALL LUMINAIRES WILL BE SECURELY SUPPORTED SEPARATELY FROM CEILING GRIDS TO CEILING STRUCTURE.
- ALL LUMINAIRES IN DASHED AREA WILL BE CONNECTED TO CIRCUIT INDICATED UNLESS OTHERWISE NOTED. CONTROL IS INDICATED OR NOTED.
- ALL LIFE SAFETY LUMINAIRES WILL BE PROVIDED WITH A CONTINUOUS HOT FROM CIRCUIT SERVING LUMINAIRES IN SAME AREA.
- COVER PLATES OF ALL DEVICES WILL BE LABELED WITH CIRCUIT IT IS CONNECTED TO, SUCH DEVICES ARE, BUT NOT LIMITED TO, SWITCHES AND RECEPTACLES. REFER TO SPECIFICATION SECTION CROSS FOR ADDITIONAL INFORMATION.
- REMOVE ALL UNUSED RACEWAY PATHS FROM CEILING SPACE.
- REMOVE ALL UNUSED CONDUCTORS AND CABLES FROM CEILING SPACE.
- THROUGHOUT ALL CEILING/CEILING SPACES, ALL RACEWAY PATHS, WHETHER NEW OR EXISTING, WILL BE PROPERLY SUPPORTED TO MEET NEC AND NEC CODE REQUIREMENTS, PLUS ANY BICSI INSTALLATION REQUIREMENTS FOR LOW VOLTAGE CABLES.

**KEYNOTES**

EL01 ONE SWITCH, SWITCH TYPE AS INDICATED. WILL CONTROL THE LUMINAIRES IN ROOM.

EL03 WALL-MOUNTED, DUAL TECHNOLOGY, LINE VOLTAGE OCCUPANCY SENSOR/SWITCH, WATTSTOPPER #DSW-100. LOCATE PER MANUFACTURER'S RECOMMENDATIONS, SHOWN HERE FOR BID PURPOSES.

EL04 CEILING-MOUNTED, DUAL TECHNOLOGY, LINE VOLTAGE OCCUPANCY SENSOR, WATTSTOPPER #DT-355. LOCATE PER MANUFACTURER'S RECOMMENDATIONS, SHOWN HERE FOR BID PURPOSES.

EL05 CEILING-MOUNTED, DIGITAL DUAL TECHNOLOGY, VACANCY SENSOR, WATTSTOPPER LMDC-100. LOCATE PER MANUFACTURER'S RECOMMENDATIONS, SHOWN HERE FOR BID PURPOSES. REFER TO LIGHTING SEQUENCE OF OPERATION ON THIS SHEET FOR ADDITIONAL INFORMATION.

EL06 DIGITAL ON/OFF-10 VOLT DIMMING ROOM CONTROLLER(S), WATTSTOPPER LMRC-210 SERIES. FOR LIGHTING CONTROL SYSTEM PROVIDE THE QUANTITY OF ROOM CONTROLLERS NECESSARY TO ACCOMPLISH ALL REQUIREMENTS TO ACHIEVE THE LIGHTING CONTROL FOR EACH SPACE AS DEPICTED IN THE LIGHTING SEQUENCE OF OPERATION ON THIS SHEET.

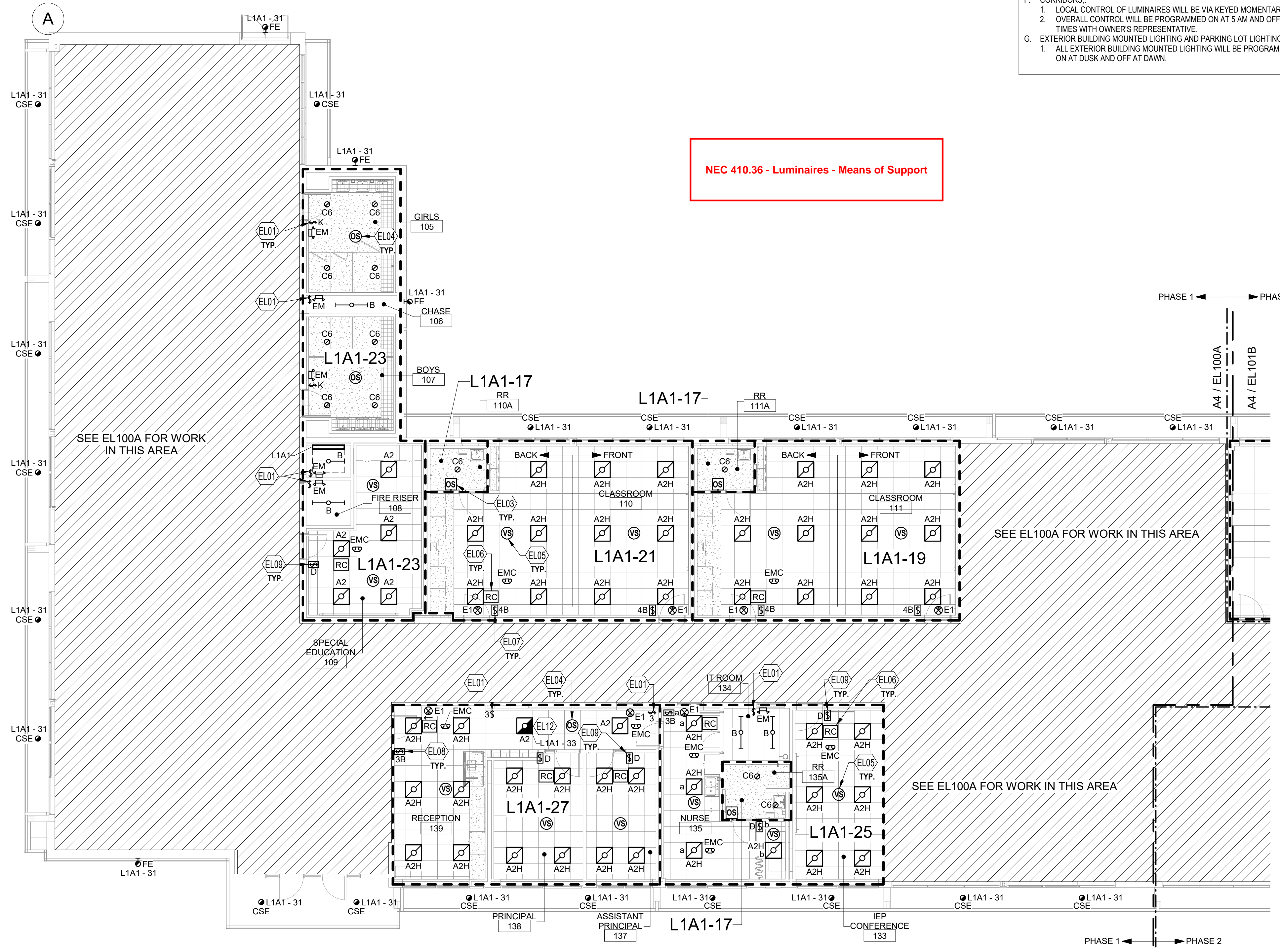
EL07 FOUR BUTTON, SINGLE OUTLET DIGITAL WALL SWITCH, LMSW-104. CONTRACTOR WILL PROVIDE ENGRAVED SWITCHES AND A PLACARD WITH CONTROL DESCRIPTION. PLACARD WILL BE PER ARCHITECTURAL REQUIREMENTS. PLACARD WILL BE NO LARGER THAN A SWITCH COVER PLATE. REFER TO LIGHTING SEQUENCE OF OPERATION ON THIS SHEET AND DETAIL A4 ON SHEET E-501.

EL08 THREE BUTTON, SINGLE OUTLET DIGITAL WALL SWITCH, LMSW-103. CONTRACTOR WILL PROVIDE ENGRAVED SWITCHES AND A PLACARD WITH CONTROL DESCRIPTION. PLACARD WILL BE PER ARCHITECTURAL REQUIREMENTS. PLACARD WILL BE NO LARGER THAN A SWITCH COVER PLATE. REFER TO LIGHTING SEQUENCE OF OPERATION ON THIS SHEET AND DETAIL A4 ON SHEET E-501.

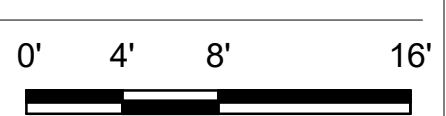
EL09 SINGLE OUTLET DIGITAL DIMMER SWITCH, WATTSTOPPER LMDM-101. REFER TO LIGHTING SEQUENCE OF OPERATION ON THIS SHEET FOR ADDITIONAL INFORMATION.

EL12 LUMINAIRE WILL BE USED AS NIGHT LIGHT AND WILL ALWAYS REMAIN ON. CONTRACTOR TO CONNECT CONTINUOUS HOT TO LUMINAIRE AND NOT TO CONNECT TO RELAY PANEL OR SWITCH LEG.

NEC 410.36 - Luminaires - Means of Support

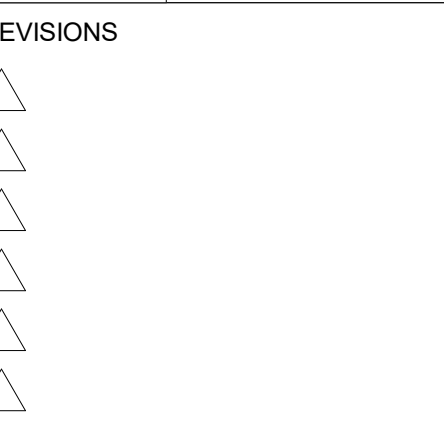


**A4 LIGHTING FLOOR PLAN - AREA A - BID LOT #1**  
SCALE: 1/8" = 1'-0"



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**



DRAWN BY: MJL  
REVIEWED BY: JMM  
DATE: 12/10/2019  
PROJECT NO: 18-0032  
PSFA PRE-K PROJECT NO: K-18-011  
PSFA SYSTEMS PROJECT NO: S-20-008  
DRAWING NAME:

**LIGHTING FLOOR PLAN - AREA A - BID LOT #1**

SHEET NO: **EL101A**

Bridgers & Paxton Project No. 8022 12/10/2019 3:54:06 PM D:\Revit\2019\Projects\MEP\_PNS Brown ECC\_8022\_mjlevy@bpa.com.rvt

Portales Brown Early Childhood Center, Project #S20-008, PSFCC FUNDED



LIGHTING SEQUENCE OF OPERATION

VARIOUS ROOMS WILL HAVE DIFFERING CONTROL SCHEMES FOR LOADS. SEE ROOMS FOR ADDITIONAL INFORMATION. ALL INFORMATION BELOW IS TYPICAL.

A. CLASSROOMS. SEE LIGHTING PLANS FOR ADDITIONAL INFORMATION.

- UNOCCUPIED MODE: WHEN ROOM IS UNOCCUPIED, ALL LIGHTING SHALL BE DISABLED AND DE-ENERGIZED BY VACANCY SENSOR(S) IN ROOM.
- OCCUPIED MODE:
  - LIGHTING CONTROL IN ROOM WILL BE ENABLED BY SWITCHES IN ROOM. NO LUMINAIRES WILL AUTOMATICALLY ENERGIZE.
  - DURING OCCUPANCY AT FOUR BUTTON SWITCH: TOP BUTTON WILL BE PROGRAMMED TO CONTROL ALL LUMINAIRES IN ROOM AT 50% LUMEN OUTPUT. SECOND BUTTON FROM TOP WILL BE PROGRAMMED TO CONTROL ALL LUMINAIRES IN ROOM AT 100% LUMEN OUTPUT. THIRD BUTTON FROM TOP WILL BE PROGRAMMED TO CONTROL LUMINAIRES IN FRONT OF ROOM TO TURN OFF AND LUMINAIRES IN BACK OF ROOM AT 50% LUMEN OUTPUT. BOTTOM BUTTON WILL BE PROGRAMMED TO TURN ALL LUMINAIRES IN ROOM OFF. CONTRACTOR WILL PROVIDE ENGRAVED SWITCHES AND A PLACARD WITH CONTROL DESCRIPTION. PLACARD WILL BE PER ARCHITECTURAL REQUIREMENTS. PLACARD WILL BE NO LARGER THAN A SWITCH COVER PLATE. SEE DETAIL A4 ON SHEET E-501.
  - WHEN PERSONNEL LEAVE THE ROOM, THEY CAN TURN THE LIGHTS OFF AT THE SWITCH(ES) OR IF THE VACANCY SENSOR(S) TIMES OUT, THE SYSTEM SHALL RESET TO THE UNOCCUPIED MODE.

B. COMPUTER LAB, RECEPTION, NURSE (EXCEPT OVER BED), INTER, AND TEACHER'S LOUNGE. SEE LIGHTING PLANS FOR ADDITIONAL INFORMATION.

- UNOCCUPIED MODE: WHEN ROOM IS UNOCCUPIED, ALL LIGHTING SHALL BE DISABLED AND DE-ENERGIZED BY VACANCY SENSOR(S) IN ROOM.
- OCCUPIED MODE:
  - LIGHTING CONTROL IN ROOM WILL BE ENABLED BY SWITCHES IN ROOM. NO LUMINAIRES WILL AUTOMATICALLY ENERGIZE.
  - DURING OCCUPANCY AT THREE BUTTON SWITCH: TOP BUTTON WILL BE PROGRAMMED TO CONTROL ALL LUMINAIRES IN ROOM AT 50% LUMEN OUTPUT. MIDDLE BUTTON WILL BE PROGRAMMED TO CONTROL ALL LUMINAIRES IN ROOM AT 100% LUMEN OUTPUT. BOTTOM BUTTON WILL BE PROGRAMMED TO TURN ALL LUMINAIRES IN ROOM OFF. CONTRACTOR WILL PROVIDE ENGRAVED SWITCHES AND A PLACARD WITH CONTROL DESCRIPTION. PLACARD WILL BE PER ARCHITECTURAL REQUIREMENTS. PLACARD WILL BE NO LARGER THAN A SWITCH COVER PLATE. SEE DETAIL A4 ON SHEET E-501.
  - WHEN PERSONNEL LEAVE THE ROOM, THEY CAN TURN THE LIGHTS OFF AT THE SWITCH OR IF THE VACANCY SENSOR(S) TIMES OUT, THE SYSTEM SHALL RESET TO THE UNOCCUPIED MODE.

C. OFFICES, LIGHT OVER BED IN NURSE, IEP CONFERENCE, AND SPECIAL ED. SEE LIGHTING PLANS FOR ADDITIONAL INFORMATION.

- UNOCCUPIED MODE: WHEN ROOM IS UNOCCUPIED, ALL LIGHTING SHALL BE DISABLED AND DE-ENERGIZED BY VACANCY SENSOR(S) IN ROOM.
- OCCUPIED MODE:
  - LIGHTING CONTROL IN ROOM WILL BE ENABLED BY DIMMER SWITCH IN ROOM. NO LUMINAIRES WILL AUTOMATICALLY ENERGIZE.
  - DURING OCCUPANCY AT DIMMER SWITCH: DIMMER SWITCH WILL CONTROL ALL LUMINAIRES IN ROOM.
  - WHEN PERSONNEL LEAVE THE ROOM, THEY CAN TURN THE LIGHTS OFF AT THE DIMMER SWITCH OR IF THE VACANCY SENSOR(S) TIMES OUT, THE SYSTEM SHALL RESET TO THE UNOCCUPIED MODE.

D. RESTROOMS, COOPER HALL, AND UTILITY ROOMS (STORAGE, JANITORS AND SIMILAR NORMALLY UNOCCUPIED ROOMS):

- LARGE:
  - OCCUPANCY SENSOR(S) IN ROOM WILL AUTOMATICALLY TURN ON ALL LUMINAIRES AT 100% LUMEN OUTPUT.
  - LUMINAIRES IN ROOM CAN BE ENABLED BY SWITCH(ES).
  - WHEN PERSONNEL LEAVE THE ROOM, THEY CAN TURN THE LIGHTS OFF AT THE SWITCH OR IF THE OCCUPANCY SENSOR TIMES OUT, ALL LIGHTING SHALL BE DISABLED AND DE-ENERGIZED.
- SMALL:
  - WALL MOUNTED OCCUPANCY SENSOR IN ROOM WILL AUTOMATICALLY TURN ON ALL LUMINAIRES AT 100% LUMEN OUTPUT.
  - LUMINAIRES IN ROOM CAN BE ENABLED BY ON/OFF SWITCH AT WALL MOUNTED OCCUPANCY SENSOR.
  - WHEN PERSONNEL LEAVE THE ROOM, THEY CAN TURN THE LIGHTS OFF AT THE SWITCH OR IF THE OCCUPANCY SENSOR TIMES OUT, ALL LIGHTING SHALL BE DISABLED AND DE-ENERGIZED.

E. IT ROOM, ELECTRICAL ROOMS, FIRE RISER ROOM, AND RESTROOM CHASE:

- ALL LUMINAIRES IN ROOM WILL BE ENABLED BY TOGGLE SWITCH(ES). THESE LUMINAIRES WILL NOT AUTOMATICALLY ENERGIZE OR DE-ENERGIZE.

F. CORRIDORS:

- LOCAL CONTROL OF LUMINAIRES WILL BE VIA KEYPAD MOMENTARY SWITCHES.
- OVERALL CONTROL WILL BE PROGRAMMED ON AT 5 AM AND OFF AT 11 PM. COORDINATE EXACT TIMES WITH OWNER'S REPRESENTATIVE.

G. EXTERIOR BUILDING MOUNTED LIGHTING AND PARKING LOT LIGHTING:

- ALL EXTERIOR BUILDING MOUNTED LIGHTING WILL BE PROGRAMMED BY PHOTOCELLS TO COME ON AT DUSK AND OFF AT DAWN.

GENERAL SHEET NOTES

- ALL EXIT SIGNS ARE TYPE "E1" (SINGLE FACE) OR "E2" (DOUBLE FACE) UNLESS OTHERWISE NOTED. ALL EXIT SIGNS WILL BE CONNECTED TO CIRCUIT SERVING THE ROOM THEY ARE LOCATED IN AND FROM NO OTHER CIRCUIT.
- FOR ELECTRICAL LUMINAIRE SCHEDULES: SEE SHEET E-701.
- REFER TO SHEET SERIES "EP" FOR ELECTRICAL ROOMS AND ELECTRICAL EQUIPMENT LAYOUT.
- FOR LIGHTING SEQUENCE OF OPERATION, SEE THIS SHEET.
- FOR LUMINAIRE MOUNTING, REFER TO DETAIL A4 ON SHEET E-501.
- REFER TO SHEET SERIES "A" FOR ADDITIONAL CEILING GRID MOUNTING SUPPORT INFORMATION. ALL LUMINAIRES WILL BE SECURELY SUPPORTED SEPARATELY FROM CEILING GRIDS TO CEILING STRUCTURE.
- ALL LUMINAIRES IN DASHED AREA WILL BE CONNECTED TO CIRCUIT INDICATED UNLESS OTHERWISE NOTED. CONTROL IS INDICATED OR NOTED.
- ALL LIFE SAFETY LUMINAIRES WILL BE PROVIDED WITH A CONTINUOUS HOT FROM CIRCUIT SERVING LUMINAIRES IN SAME AREA.
- COVER PLATES OF ALL DEVICES WILL BE LABELED WITH CIRCUIT IT IS CONNECTED TO, SUCH DEVICES ARE, BUT NOT LIMITED TO, SWITCHES AND RECEPTACLES. REFER TO SPECIFICATION SECTION 28050 FOR ADDITIONAL INFORMATION.
- REMOVE ALL UNUSED RACEWAY PATHS FROM CEILING SPACE.
- REMOVE ALL UNUSED CONDUCTORS AND CABLES FROM CEILING SPACE.
- THROUGHOUT ALL CEILING/CEILING SPACES, ALL RACEWAY PATHS, WHETHER NEW OR EXISTING, WILL BE PROPERLY SUPPORTED TO MEET NEC AND MEC CODE REQUIREMENTS, PLUS ANY BICSI INSTALLATION REQUIREMENTS FOR LOW VOLTAGE CABLES.

KEYNOTES

EL01 ONE SWITCH, SWITCH TYPE AS INDICATED, WILL CONTROL THE LUMINAIRES IN ROOM.

EL02 ONE SWITCH, A KEYPAD MOMENTARY OVERRIDE SWITCH, THIS SWITCH WILL CONTROL CORRIDOR LIGHTING. IT WILL ALSO PROVIDE OVERRIDE OF LIGHTING BETWEEN 11 PM AND 5 AM. IF LIGHTING IS TURNED ON DURING THE NIGHT, THE LIGHTING WILL AUTOMATICALLY TURN OFF AFTER 30 MINUTES. LIGHTING WILL SIGNAL WITH A BLINK OF THE LIGHTS (5) FIVE MINUTES BEFORE SHUT DOWN. LABEL SWITCH "CORRIDOR CONTROL". SWITCH TYPE TO BE WATTSTOPPER LMSW-1K-G.

EL03 WALL MOUNTED, DUAL TECHNOLOGY, LINE VOLTAGE OCCUPANCY SENSOR SWITCH, WATTSTOPPER B0SW-100. LOCATE PER MANUFACTURER'S RECOMMENDATIONS, SHOWN HERE FOR BID PURPOSES.

EL04 CEILING MOUNTED, DUAL TECHNOLOGY, LINE VOLTAGE OCCUPANCY SENSOR, WATTSTOPPER #0T-355. LOCATE PER MANUFACTURER'S RECOMMENDATIONS, SHOWN HERE FOR BID PURPOSES.

EL05 CEILING MOUNTED, DIGITAL DUAL TECHNOLOGY, VACANCY SENSOR, WATTSTOPPER LMC-210 SERIES. LOCATE PER MANUFACTURER'S RECOMMENDATIONS, SHOWN HERE FOR BID PURPOSES. REFER TO LIGHTING SEQUENCE OF OPERATION ON THIS SHEET FOR ADDITIONAL INFORMATION.

EL06 DIGITAL ON/OFF-10 VOLT DIMMING ROOM CONTROLLER(S), WATTSTOPPER LMC-210 SERIES. FOR LIGHTING CONTROL SYSTEM PROVIDE THE QUANTITY OF ROOM CONTROLLERS NECESSARY TO ACCOMPLISH ALL REQUIREMENTS TO ACHIEVE THE LIGHTING CONTROL FOR EACH SPACE AS DEPICTED IN THE LIGHTING SEQUENCE OF OPERATION ON THIS SHEET.

EL07 FOUR BUTTON, SINGLE OUTLET DIGITAL WALL SWITCH, LMSW-104. CONTRACTOR WILL PROVIDE ENGRAVED SWITCHES AND A PLACARD WITH CONTROL DESCRIPTION. PLACARD WILL BE PER ARCHITECTURAL REQUIREMENTS. PLACARD WILL BE NO LARGER THAN A SWITCH COVER PLATE. REFER TO LIGHTING SEQUENCE OF OPERATION ON THIS SHEET AND DETAIL A4 ON SHEET E-501.

EL08 THREE BUTTON, SINGLE OUTLET DIGITAL WALL SWITCH, LMSW-103. CONTRACTOR WILL PROVIDE ENGRAVED SWITCHES AND A PLACARD WITH CONTROL DESCRIPTION. PLACARD WILL BE PER ARCHITECTURAL REQUIREMENTS. PLACARD WILL BE NO LARGER THAN A SWITCH COVER PLATE. REFER TO LIGHTING SEQUENCE OF OPERATION ON THIS SHEET AND DETAIL A4 ON SHEET E-501.

EL09 SINGLE OUTLET DIGITAL DIMMER SWITCH, WATTSTOPPER LDM-101. REFER TO LIGHTING SEQUENCE OF OPERATION ON THIS SHEET FOR ADDITIONAL INFORMATION.

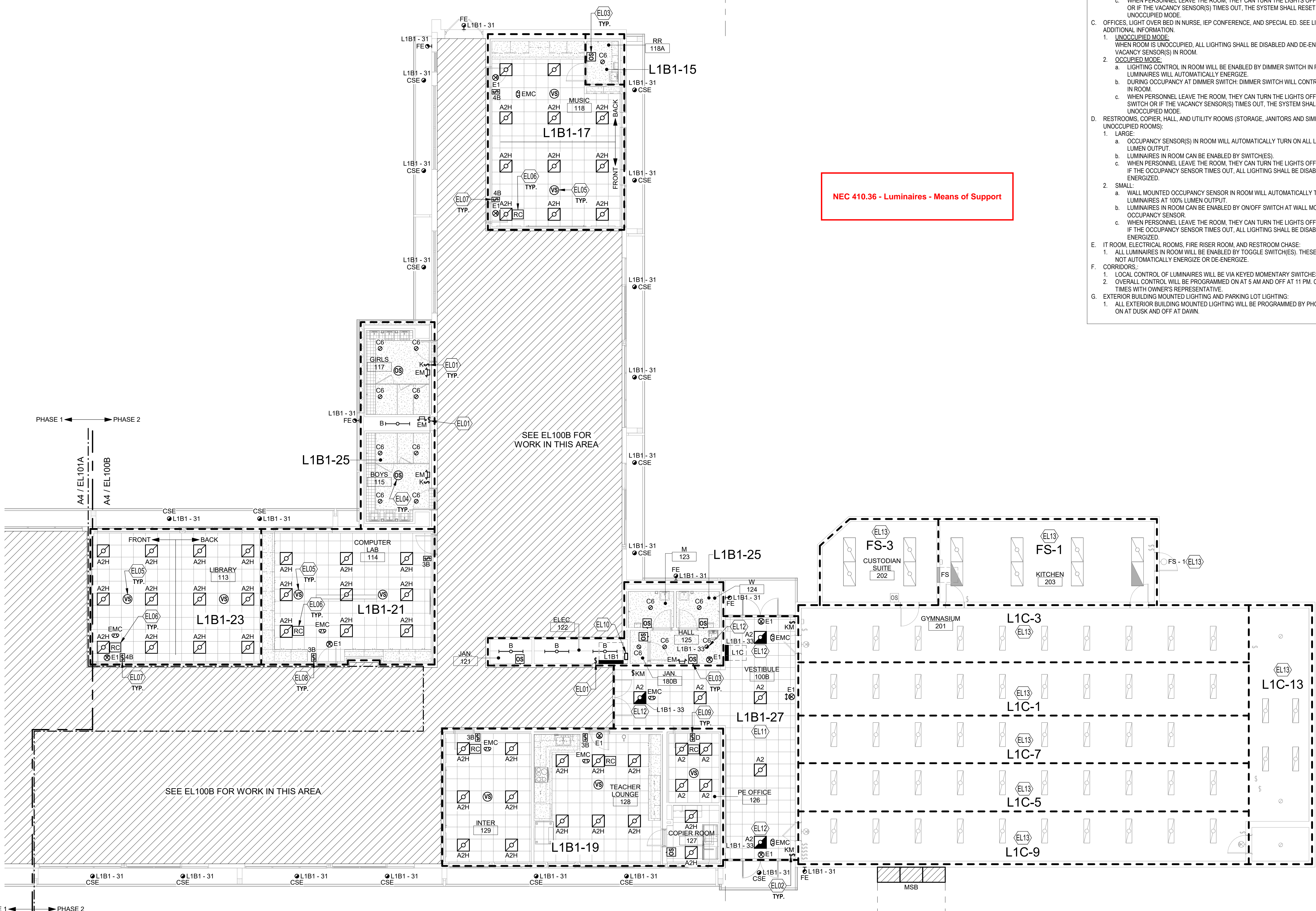
EL10 LIGHTING CONTROL RELAY PANEL, WATTSTOPPER LMP-C SERIES. FOR INTERIOR CORRIDOR LIGHTING, PROVIDE ETHERNET OUTLET ADJACENT TO RELAY PANEL. INCLUDE CONNECTION TO SERVER. REFER TO LIGHTING SEQUENCE OF OPERATION ON THIS SHEET FOR ADDITIONAL INFORMATION.

EL11 CONNECT CORRIDOR CIRCUIT TO RELAY PANEL IN SAME ROOM AS PANEL SERVING THOSE LUMINAIRES.

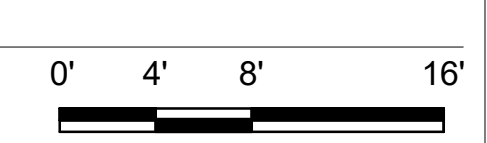
EL12 LUMINAIRE WILL BE USED AS NIGHT LIGHT AND WILL ALWAYS REMAIN ON. CONTRACTOR TO CONNECT CONTINUOUS HOT TO LUMINAIRE AND NOT TO CONNECT TO RELAY PANEL OR SWITCH LEG.

EL13 CIRCUIT INDICATED WILL BE CONNECTED TO EXISTING LUMINAIRES IN DASHED AREA.

NEC 410.36 - Luminaires - Means of Support



A4 LIGHTING FLOOR PLAN - AREA B - BID LOT #1



12/10/2019 3:54:11 PM D:\Revit\2019\Projects\MEP\_PMS Brown ECC\_8022\_mjavey@pso.com\nt  
Bridgers & Paxton Project No: 8022

Portales Brown Early Childhood Center, Project #S20-008, PSFCC FUNDED



**GENERAL SHEET NOTES**

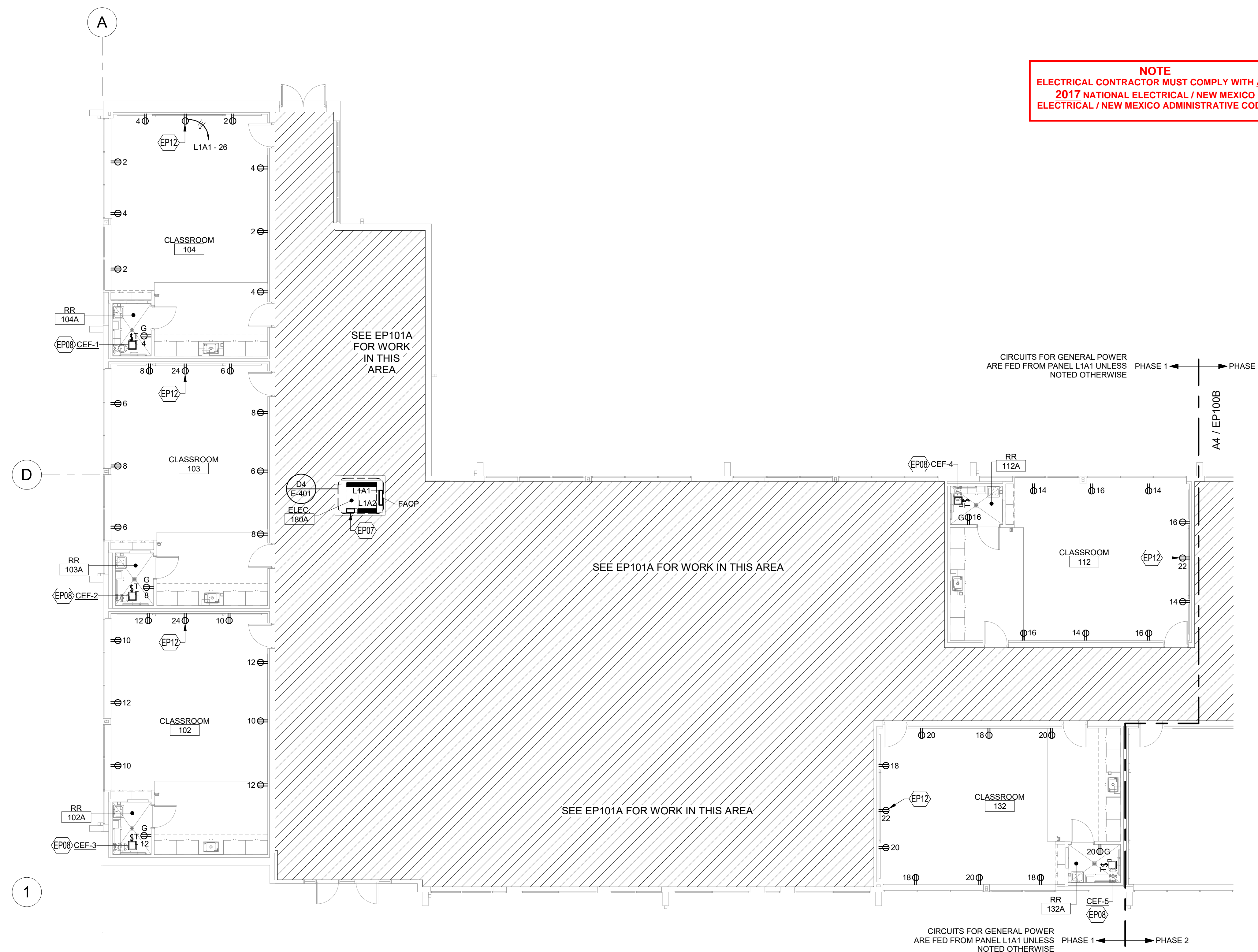
- A. GFCI RECEPTACLES WILL BE INSTALLED AT ALL LOCATIONS AS REQUIRED BY THE LATEST VERSION OF NEC, STATE AND LOCAL CODES WHETHER INDICATED ON PLANS OR NOT. SOME LOCATIONS WILL BE WITHIN 6'-0" OF SINKS, EXTERIOR DOORS AND WET LOCATIONS. ALL EXTERIOR RECEPTACLE LOCATIONS WILL BE WEATHERPROOF AND GFCI RATED.
- B. COORDINATE ALL 120 VOLT POWER REQUIREMENTS AND LOCATIONS WITH THE CONTROLS / ACCESS / SECURITY CONTRACTORS IN THE FIELD. REFER TO SPECIFICATION 230549 FOR ADDITIONAL INFORMATION.
- C. COVER PLATES OF ALL DEVICES WILL BE LABELED WITH CIRCUIT IT IS CONNECTED TO, SUCH DEVICES ARE, BUT NOT LIMITED TO, SWITCHES AND RECEPTACLES. REFER TO SPECIFICATION SECTION 26053 FOR ADDITIONAL INFORMATION.
- D. CONTROLS FOR ALL MECHANICAL EQUIPMENT WILL BE AS INDICATED ON SHEET SERIES "M". RACEWAY PATHS FOR CONTROLS AND WIRING WILL BE INSTALLED AS INDICATED ON CONTROL DIAGRAMS. ALSO REFER TO SPECIFICATION SECTION 230649 FOR ADDITIONAL INFORMATION. CONTRACTOR WILL PROVIDE A 3/4" CONDUIT FOR CONTROL WIRING AS REQUIRED BY SHEET SERIES "M". CONTROL WILL EITHER BE BY FACILITY MANAGEMENT SYSTEM (FMS) OR LOCAL SWITCHES. PROVIDE PILOT LIGHT SWITCHES WHERE LOCAL SWITCHES ARE REQUIRED PER CONTROL DIAGRAMS.
- E. REFER TO MECHANICAL EQUIPMENT SCHEDULE ON SHEET SERIES "M" FOR ADDITIONAL INFORMATION ON EQUIPMENT.
- F. WITH LABEL AND IDENTIFICATION OF CIRCUIT, PANEL AND UNIT NAME, PROVIDE ROOM THAT UNIT SERVES WITH-IN LABEL ON UNIT.
- G. REMOVE ALL UNUSED RACEWAY PATHS FROM CEILING SPACE.
- H. REMOVE ALL UNUSED CONDUCTORS AND CABLES FROM CEILING SPACE.
- I. THROUGHOUT ALL CEILING/CEILING SPACES, ALL RACEWAY PATHS, WHETHER NEW OR EXISTING, WILL BE PROPERLY SUPPORTED TO MEET NEC AND NMEC CODE REQUIREMENTS, PLUS ANY BICSI INSTALLATION REQUIREMENTS FOR LOW VOLTAGE CABLES.

ALL 15A AND 20A, 120V AND 250V, NONLOCKINGTYPE RECEPTACLES WILL BE TAMPER-RESISTANT RECEPTACLES PER NEC 406.12. REFER TO NEC 406.12 FOR EXCEPTIONS.

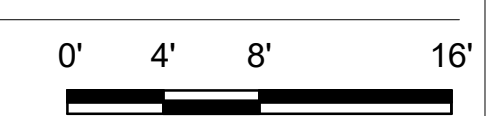
**KEYNOTES**

- EP07 RELAY PANEL FOR CONTROL OF CORRIDOR LIGHTING. REFER TO SHEET SERIES "EL" FOR ADDITIONAL INFORMATION.
- EP08 EXTEND POWER FROM ROOM LUMINAIRE CIRCUIT. REFER TO SHEET SERIES "EL" FOR CIRCUIT INFORMATION. EXHAUST FAN TO BE CONTROLLED BY ROOM WALL MOUNTED OCCUPANCY SENSOR.
- EP12 DEVICE IS FOR WALL MOUNTED SHORT-THROW PROJECTOR. MOUNT ADJACENT TO DATA DEVICE. REFER TO MOUNTING DETAILS ON SHEET SERIES "T" FOR ADDITIONAL INSTALLATION INFORMATION.

**NOTE**  
ELECTRICAL CONTRACTOR MUST COMPLY WITH ALL 2017 NATIONAL ELECTRICAL / NEW MEXICO ELECTRICAL / NEW MEXICO ADMINISTRATIVE CODES



**A4 POWER FLOOR PLAN - AREA A**  
SCALE: 1/8" = 1'-0"





Portales Brown Early Childhood Center, Project #S20-008, FSCOC FUNDED

REVISIONS

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DRAWN BY	MJL
REVIEWED BY	JMM
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

**POWER FLOOR PLAN - AREA B**

SHEET NO  
**EP100B**

**GENERAL SHEET NOTES**

- A. GFCI RECEPTACLES WILL BE INSTALLED AT ALL LOCATIONS AS REQUIRED BY THE LATEST VERSION OF NEC, STATE AND LOCAL CODES WHETHER INDICATED ON PLANS OR NOT. SOME LOCATIONS WILL BE WITHIN 6'-0" OF SINKS, EXTERIOR DOORS AND WET LOCATIONS. ALL EXTERIOR RECEPTACLE LOCATIONS WILL BE WEATHERPROOF AND GFCI RATED.
- B. COORDINATE ALL 120 VOLT POWER REQUIREMENTS AND LOCATIONS WITH THE CONTROLS / ACCESS / SECURITY CONTRACTORS IN THE FIELD. REFER TO SPECIFICATION 230549 FOR ADDITIONAL INFORMATION.
- C. COVER PLATES OF ALL DEVICES WILL BE LABELED WITH CIRCUIT IT IS CONNECTED TO, SUCH DEVICES ARE, BUT NOT LIMITED TO, SWITCHES AND RECEPTACLES. REFER TO SPECIFICATION SECTION 260533 FOR ADDITIONAL INFORMATION.
- D. CONTROLS FOR ALL MECHANICAL EQUIPMENT WILL BE AS INDICATED ON SHEET SERIES "M". RACEWAY PATHS FOR CONTROLS AND WIRING WILL BE INSTALLED AS INDICATED ON CONTROL DIAGRAMS. ALSO REFER TO SPECIFICATION SECTION 230649 FOR ADDITIONAL INFORMATION. CONTRACTOR WILL PROVIDE A 3/4" CONDUIT FOR CONTROL WIRING AS REQUIRED BY SHEET SERIES "M". CONTROL WILL EITHER BE BY FACILITY MANAGEMENT SYSTEM (FMS) OR LOCAL SWITCHES. PROVIDE PILOT LIGHT SWITCHES WHERE LOCAL SWITCHES ARE REQUIRED PER CONTROL DIAGRAMS.
- E. REFER TO MECHANICAL EQUIPMENT SCHEDULE ON SHEET SERIES "M" FOR ADDITIONAL INFORMATION ON EQUIPMENT.
- F. WITH LABEL AND IDENTIFICATION OF CIRCUIT, PANEL AND UNIT NAME, PROVIDE ROOM THAT UNIT SERVES WITH-IN LABEL ON UNIT.
- G. REMOVE ALL UNUSED RACEWAY PATHS FROM CEILING SPACE.
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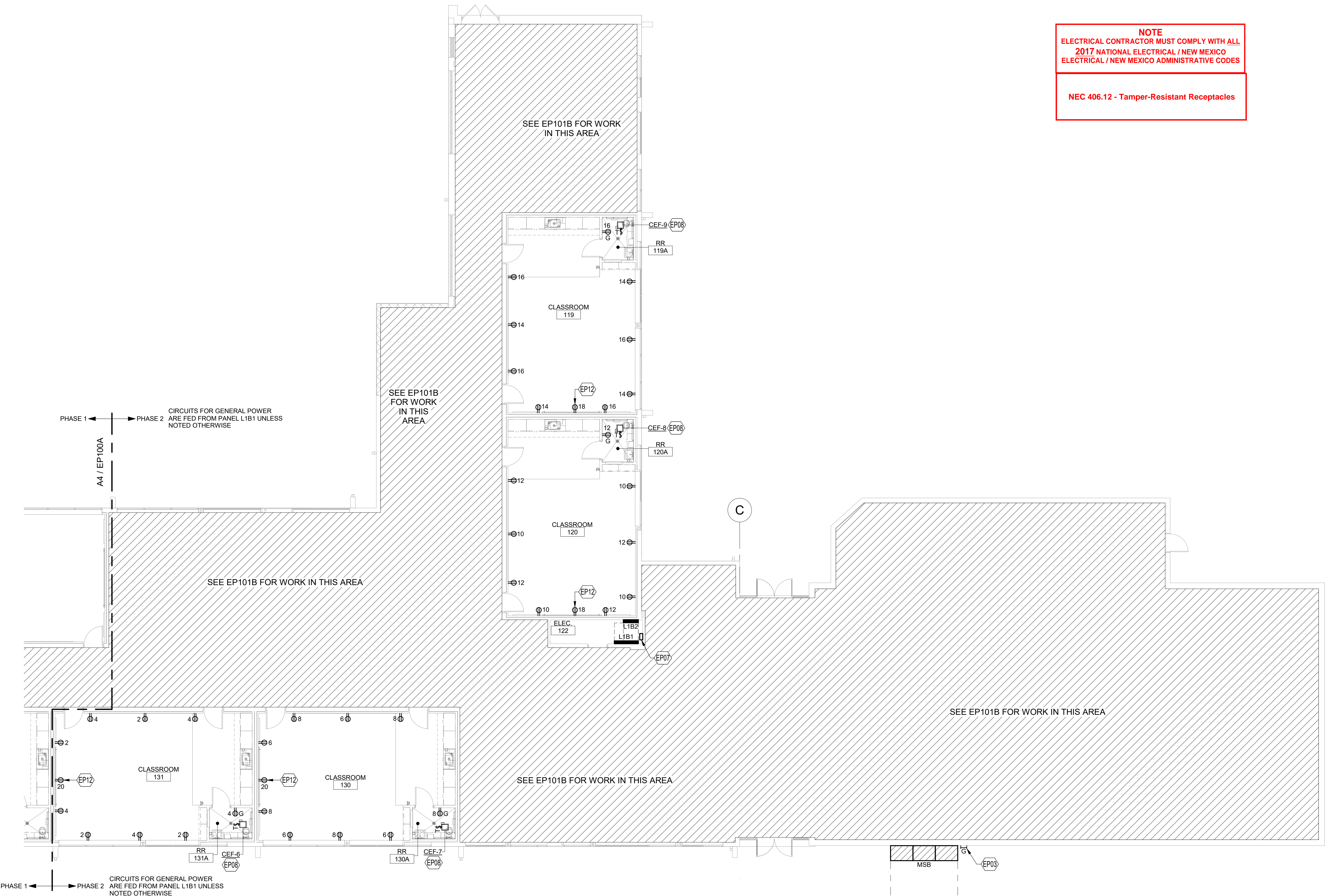
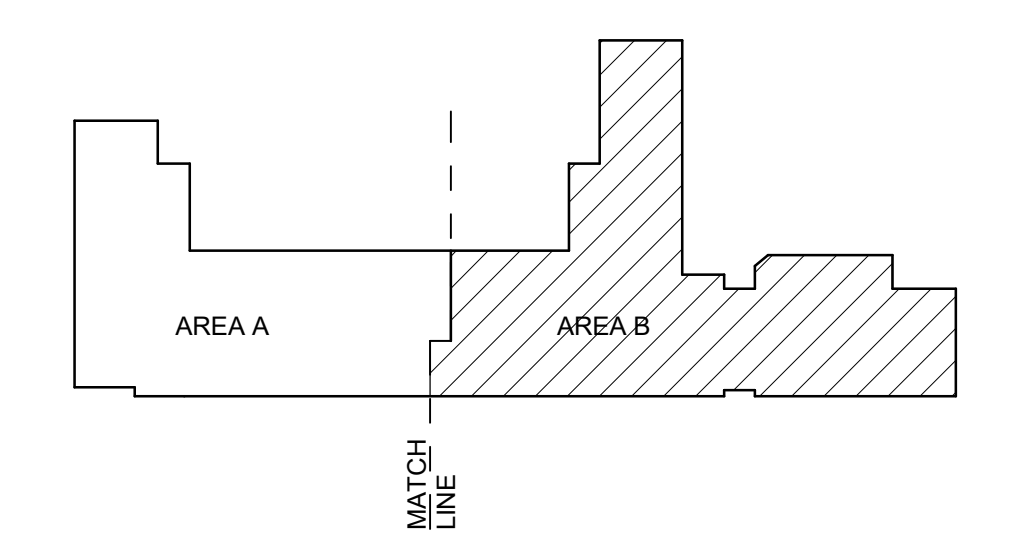
**NOTE**  
ELECTRICAL CONTRACTOR MUST COMPLY WITH ALL 2017 NATIONAL ELECTRICAL / NEW MEXICO ELECTRICAL / NEW MEXICO ADMINISTRATIVE CODES

**NEC 406.12 - Tamper-Resistant Receptacles**

**KEYNOTES**

- EP03 MAIN GROUNDING ELECTRODE GROUND BAR. REFER TO MAIN GROUNDING ELECTRODE BUS BAR DETAIL B5 ON SHEET E-501 AND ELECTRICAL GROUNDING DIAGRAM ON SHEET E-602 FOR ADDITIONAL INFORMATION. PROVIDE AN 18"X18" NEWMA 3R SCREW COVERED FULLBOX TO HOUSE MAIN GROUND BAR ADJACENT TO MAIN SWITCHBOARD.
- EP07 RELAY PANEL FOR CONTROL OF CORRIDOR LIGHTING. REFER TO SHEET SERIES "EL" FOR ADDITIONAL INFORMATION.
- EP08 EXTEND POWER FROM ROOM LUMINAIRE CIRCUIT. REFER TO SHEET SERIES "EL" FOR CIRCUIT INFORMATION. EXHAUST FAN TO BE CONTROLLED BY ROOM WALL MOUNTED OCCUPANCY SENSOR.
- EP12 DEVICE IS FOR WALL MOUNTED SHORT-THROW PROJECTOR. MOUNT ADJACENT TO DATA DEVICE. REFER TO MOUNTING DETAILS ON SHEET SERIES "T" FOR ADDITIONAL INSTALLATION INFORMATION.

**KEYPLAN**



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Bridgers & Paxton Project No. 8022



GENERAL SHEET NOTES

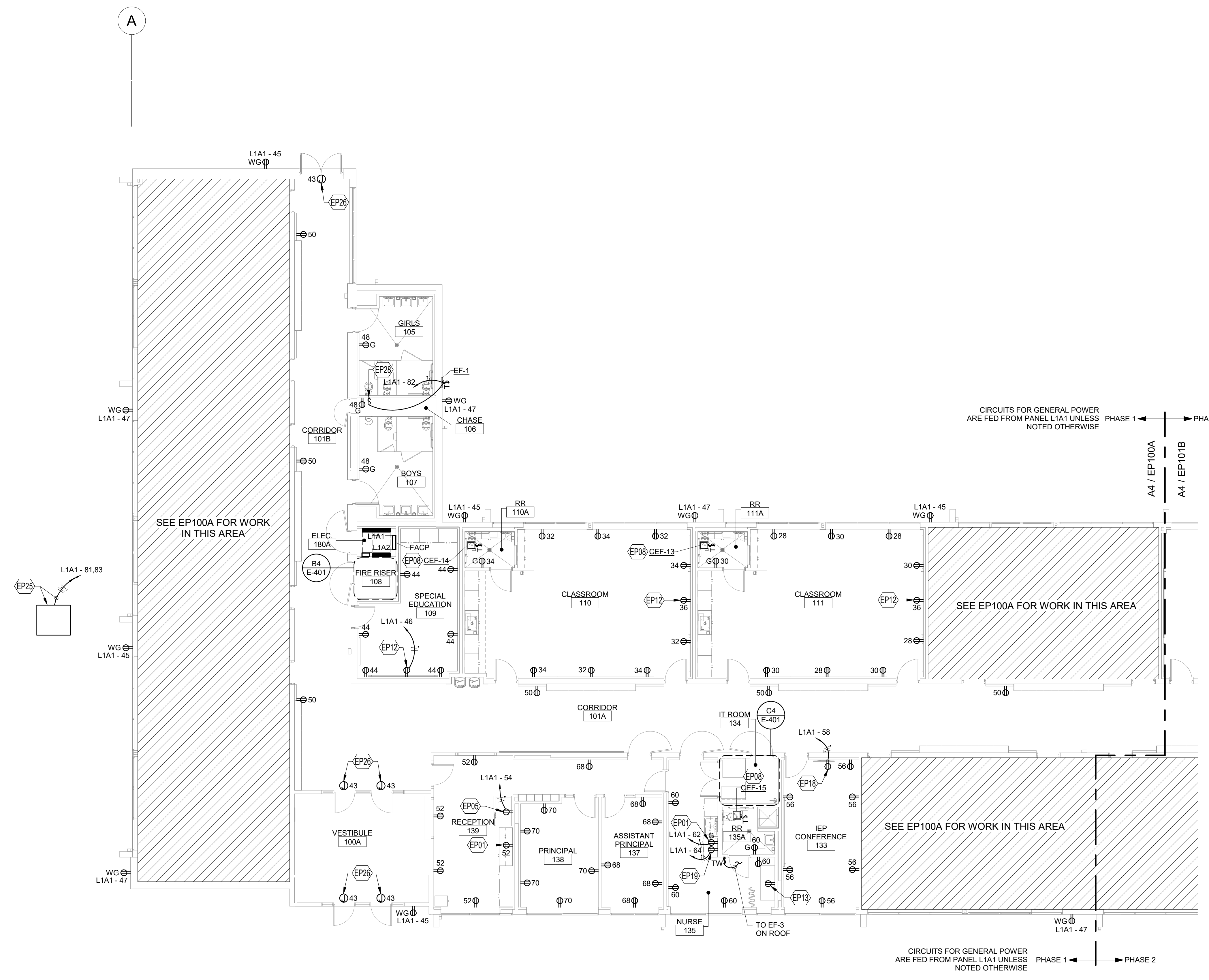
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- C. COVER PLATES OF ALL DEVICES WILL BE LABELED WITH CIRCUIT IT IS CONNECTED TO, SUCH DEVICES ARE, BUT NOT LIMITED TO, SWITCHES AND RECEPTACLES. REFER TO SPECIFICATION SECTION 260533 FOR ADDITIONAL INFORMATION.
- D. CONTROLS FOR ALL MECHANICAL EQUIPMENT WILL BE AS INDICATED ON SHEET SERIES "M". RACEWAY PATHS FOR CONTROLS AND WIRING WILL BE INSTALLED AS INDICATED ON CONTROL DIAGRAMS. ALSO REFER TO SPECIFICATION SECTION 230648 FOR ADDITIONAL INFORMATION. CONTRACTOR WILL PROVIDE A 3/4" CONDUIT FOR CONTROL WIRING AS REQUIRED BY SHEET SERIES "M". CONTROL WILL EITHER BE BY FACILITY MANAGEMENT SYSTEM (FMS) OR LOCAL SWITCHES. PROVIDE PILOT LIGHT SWITCHES WHERE LOCAL SWITCHES ARE REQUIRED PER CONTROL DIAGRAMS.
- E. REFER TO MECHANICAL EQUIPMENT SCHEDULE ON SHEET SERIES "M" FOR ADDITIONAL INFORMATION ON EQUIPMENT.
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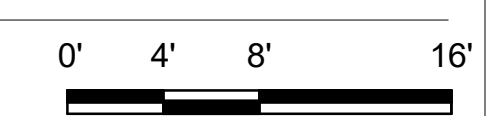
**NOTE**  
ELECTRICAL CONTRACTOR MUST COMPLY WITH ALL 2017 NATIONAL ELECTRICAL / NEW MEXICO ELECTRICAL / NEW MEXICO ADMINISTRATIVE CODES  
  
NEC 406.12 - Tamper-Resistant Receptacles

KEYNOTES

- EP01 MOUNT DEVICE(S) 6" ABOVE COUNTER TOP BACK SPLASH, TABLE TOP OR SINK. RECEPTACLE WILL BE GFCI RATED IF DESIGNATED WITH A "G".
- EP05 DEVICE IS FOR COOPER. PROVIDE DEDICATED CIRCUIT. CONTRACTOR WILL MATCH NEMA CONFIGURATION OF RECEPTACLE WITH UNIT PLUG. COORDINATE PRIOR TO ORDERING RECEPTACLE DEVICE.
- EP08 EXTEND POWER FROM ROOM LUMINAIRE CIRCUIT. REFER TO SHEET SERIES "EL" FOR CIRCUIT INFORMATION. EXHAUST FAN TO BE CONTROLLED BY ROOM WALL MOUNTED OCCUPANCY SENSOR.
- EP12 DEVICE IS FOR WALL MOUNTED SHORT-THROW PROJECTOR. MOUNT ADJACENT TO DATA DEVICE. REFER TO MOUNTING DETAILS ON SHEET SERIES "T" FOR ADDITIONAL INSTALLATION INFORMATION.
- EP13 HEIGHT ADJUSTABLE CHANGING TABLE. COORDINATE ROUGH-IN LOCATION AND REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN.
- EP18 RECEPTACLE FOR WALL MOUNTED DISPLAY. MOUNT ADJACENT TO DATA/AV OUTLETS. REFER TO MOUNTING DETAILS ON SHEET SERIES "T" FOR ADDITIONAL INSTALLATION INFORMATION.
- EP19 UNDER COUNTER REFRIGERATOR. INSTALL OUTLET WITHIN BASE CABINETS AT ACCESSIBLE LOCATION. COORDINATE WITH EQUIPMENT INSTALLER.
- EP25 APPROXIMATE LOCATION OF HOT BOX. PROVIDE TWO DEDICATED CIRCUITS TO HOT BOX HEATERS. PROVIDE 2#10 & 1#10 GROUND FOR EACH CIRCUIT IN 1" CONDUIT BETWEEN EQUIPMENT AND PANEL SOURCE. REFER TO SHEET SERIES "P" AND "FX" FOR MORE INFORMATION AND LOCATION.
- EP26 PROVIDE POWER FOR CONNECTION TO DOOR HARDWARE. 3/4" CONDUIT BETWEEN EACH JUNCTION BOX AND PERMANENT CONDUCTORS PER DOOR HARDWARE INSTALLER'S INSTRUCTIONS.
- EP28 SWITCH WILL BE A TWIST TIMER SWITCH FOR CONTROL OF EXHAUST FAN PROVIDED WITH UNIT. REFER TO SHEET SERIES "M" FOR ADDITIONAL INFORMATION.



A4 POWER FLOOR PLAN - AREA A - BID LOT #1  
SCALE: 1/8" = 1'-0"



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Bridgers & Paxton Project No. 8022

Portales Brown Early Childhood Center, Project #S20-008, PSFA FUNDING



REVISIONS

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DRAWN BY	MJL
REVIEWED BY	JMM
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

**POWER FLOOR PLAN - AREA B - BID LOT #1**

SHEET NO  
**EP101B**

**GENERAL SHEET NOTES**

- GFCI RECEPTACLES WILL BE INSTALLED AT ALL LOCATIONS AS REQUIRED BY THE LATEST VERSION OF NEC, STATE AND LOCAL CODES WHETHER INDICATED ON PLANS OR NOT. SOME LOCATIONS WILL BE WITHIN 6'-0" OF SINKS, EXTERIOR DOORS AND WET LOCATIONS. ALL EXTERIOR RECEPTACLE LOCATIONS WILL BE WEATHERPROOF AND GFCI RATED.
- COORDINATE ALL 120 VOLT POWER REQUIREMENTS AND LOCATIONS WITH THE CONTROLS / ACCESS / SECURITY CONTRACTORS IN THE FIELD. REFER TO SPECIFICATION 230549 FOR ADDITIONAL INFORMATION.
- COVER PLATES OF ALL DEVICES WILL BE LABELED WITH CIRCUIT IT IS CONNECTED TO. SUCH DEVICES ARE, BUT NOT LIMITED TO, SWITCHES AND RECEPTACLES. REFER TO SPECIFICATION SECTION 260533 FOR ADDITIONAL INFORMATION.
- CONTROLS FOR ALL MECHANICAL EQUIPMENT WILL BE AS INDICATED ON SHEET SERIES "M". RACEWAY PATHS FOR CONTROLS AND WIRING WILL BE INSTALLED AS INDICATED ON CONTROL DIAGRAMS. ALSO REFER TO SPECIFICATION SECTION 230649 FOR ADDITIONAL INFORMATION. CONTRACTOR WILL PROVIDE A 3/4" CONDUIT FOR CONTROL WIRING AS REQUIRED BY SHEET SERIES "M". CONTROL WILL EITHER BE BY FACILITY MANAGEMENT SYSTEM (FMS) OR LOCAL SWITCHES. PROVIDE PILOT LIGHT SWITCHES WHERE LOCAL SWITCHES ARE REQUIRED PER CONTROL DIAGRAMS.
- REFER TO MECHANICAL EQUIPMENT SCHEDULE ON SHEET SERIES "M" FOR ADDITIONAL INFORMATION ON EQUIPMENT.
- WITH LABEL AND IDENTIFICATION OF CIRCUIT, PANEL AND UNIT NAME, PROVIDE ROOM THAT UNIT SERVES WITH-IN LABEL ON UNIT.
- REMOVE ALL UNUSED RACEWAY PATHS FROM CEILING SPACE.
- REMOVE ALL UNUSED CONDUCTORS AND CABLES FROM CEILING SPACE.
- THROUGHOUT ALL CEILING/CEILING SPACES, ALL RACEWAY PATHS, WHETHER NEW OR EXISTING, WILL BE PROPERLY SUPPORTED TO MEET NEC AND NMIC CODE REQUIREMENTS, PLUS ANY BICSI INSTALLATION REQUIREMENTS FOR LOW VOLTAGE CABLES.

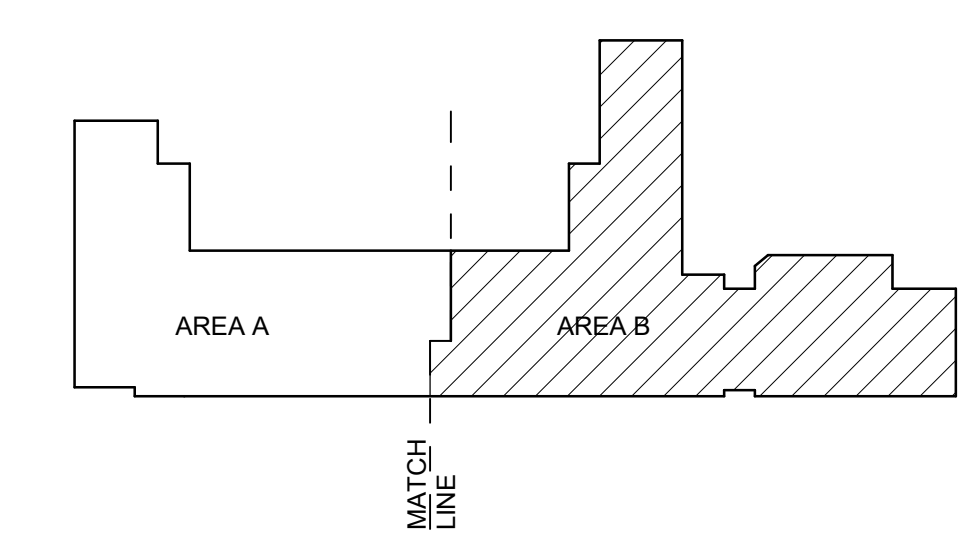
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**NOTE**  
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**NEC 406.12 - Tamper-Resistant Receptacles**

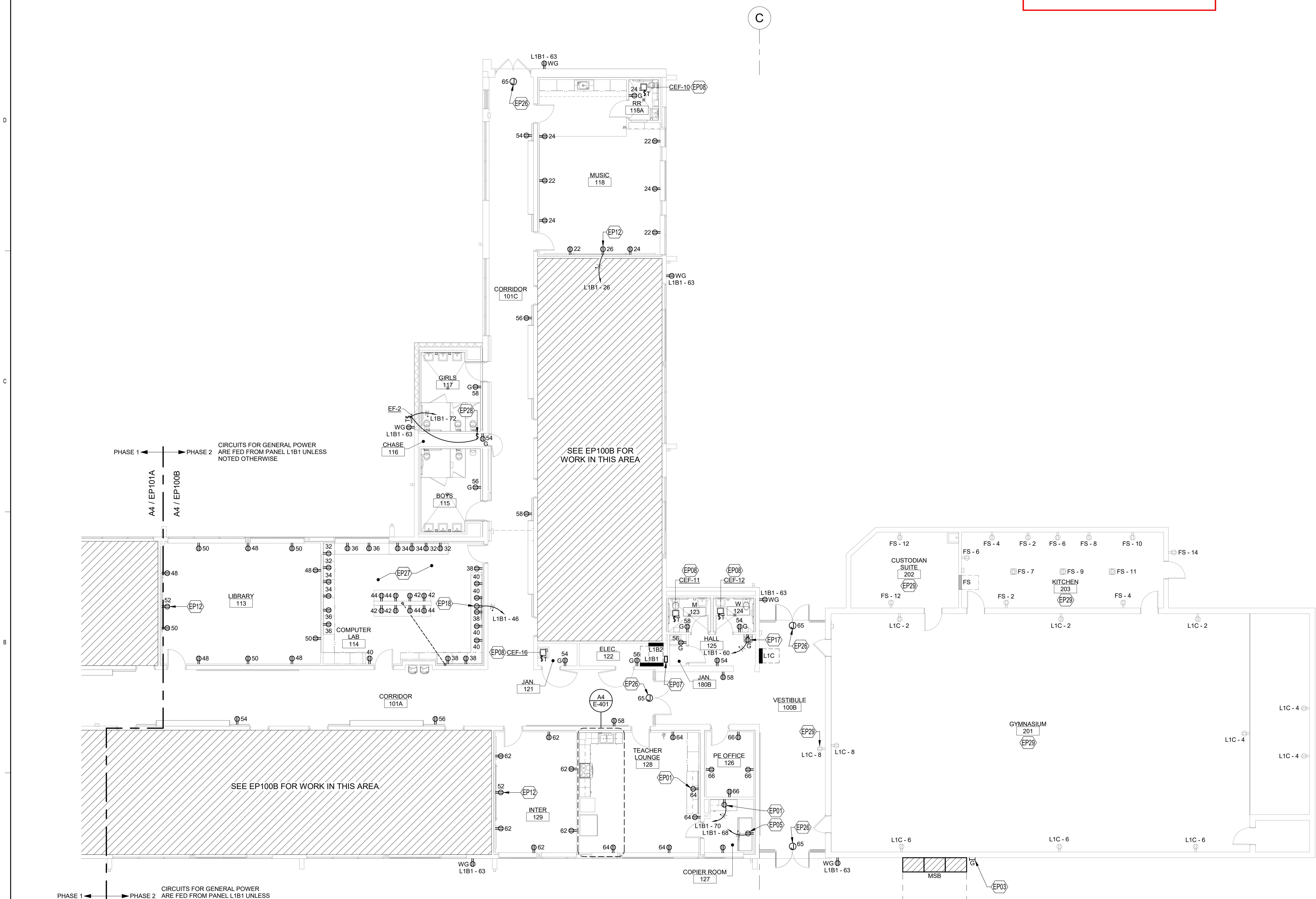
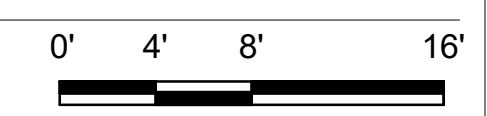
**KEYNOTES**

- MOUNT DEVICES 6" ABOVE COUNTER TOP BACK SPLASH, TABLE TOP OR SINK RECEPTACLE WILL BE GFCI RATED IF DESIGNATED WITH A "G".
- MAIN GROUNDING ELECTRODE GROUND BAR. REFER TO MAIN GROUNDING ELECTRODE BUS BAR DETAIL BS ON SHEET E-501 AND ELECTRICAL GROUNDING DIAGRAM ON SHEET E-602 FOR ADDITIONAL INFORMATION. PROVIDE AN 18"x18"x8" NEMA 3R SCREW COVERED PULLBOX TO HOUSE MAIN GROUND BAR ADJACENT TO MAIN SWITCHBOARD.
- DEVICE IS FOR COPPER. PROVIDE DEDICATED CIRCUIT. CONTRACTOR WILL MATCH NEMA CONFIGURATION OF RECEPTACLE WITH UNIT PLUG. COORDINATE PRIOR TO ORDERING RECEPTACLE DEVICE.
- RELAY PANEL FOR CONTROL OF CORRIDOR LIGHTING. REFER TO SHEET SERIES "EL" FOR ADDITIONAL INFORMATION.
- EXTEND POWER FROM ROOM LUMINAIRE CIRCUIT. REFER TO SHEET SERIES "EL" FOR CIRCUIT INFORMATION. EXHAUST FAN TO BE CONTROLLED BY ROOM WALL MOUNTED OCCUPANCY SENSOR.
- DEVICE IS FOR WALL MOUNTED SHORT-THROW PROJECTOR. MOUNT ADJACENT TO DATA DEVICE. REFER TO MOUNTING DETAILS ON SHEET SERIES "T" FOR ADDITIONAL INSTALLATION INFORMATION.
- PROVIDE DEVICE FOR ELECTRIC WATER COOLER. RECEPTACLE WILL BE GFCI RATED. COORDINATE WITH MANUFACTURER'S REQUIREMENTS FOR ALL REQUIREMENTS INCLUDING MOUNTING HEIGHTS OF DEVICE PRIOR TO COMMENCEMENT OF ANY WORK.
- RECEPTACLE FOR WALL MOUNTED DISPLAY. MOUNT ADJACENT TO DATA/AV OUTLETS. REFER TO MOUNTING DETAILS ON SHEET SERIES "T" FOR ADDITIONAL INSTALLATION INFORMATION.
- PROVIDE POWER FOR CONNECTION TO DOOR HARDWARE. 3/4" CONDUIT BETWEEN EACH JUNCTION BOX AND PERMANENT CONDUCTORS PER DOOR HARDWARE INSTALLER'S INSTRUCTIONS.
- ALL DEVICES UNDER TABLE TOPS WILL BE MOUNTED AT 1'-6" AND HORIZONTAL.
- SWITCH WILL BE A TWIST TIMER SWITCH FOR CONTROL OF EXHAUST FAN PROVIDED WITH UNIT. REFER TO SHEET SERIES "M" FOR ADDITIONAL INFORMATION.
- CIRCUIT INDICATED WILL BE CONNECTED TO EXISTING GENERAL POWER DEVICES IN SPACE.

**KEYPLAN**



**A4 POWER FLOOR PLAN - AREA B - BID LOT #1**  
SCALE: 1/8" = 1'-0"

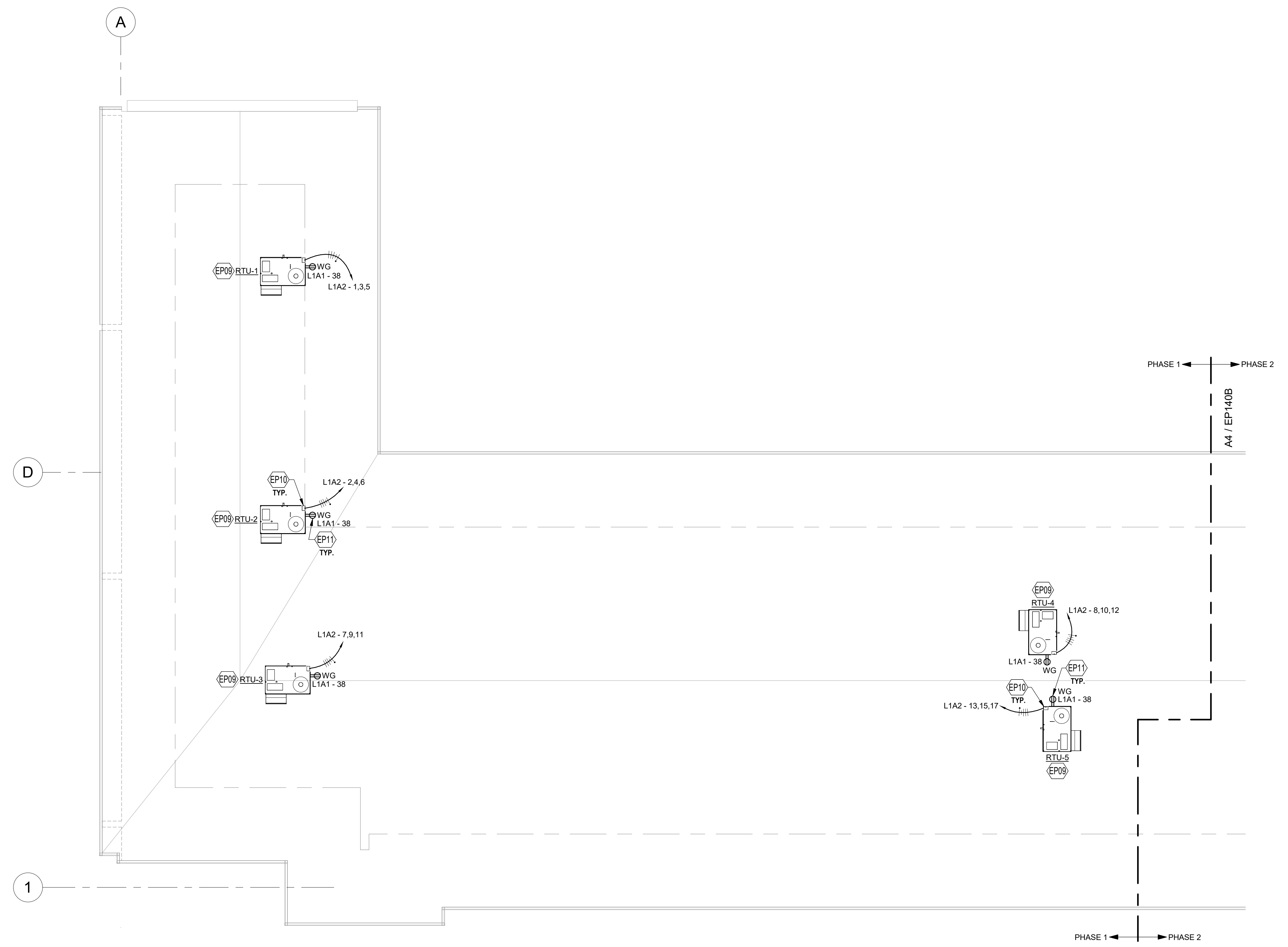


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Bridgers & Paxton Project No. 8022

Portales Brown Early Childhood Center, Project #S20-008, PSOC FUNDED



NMEC 250.118(15) - Equipment Grounding  
Conductor Required With All Branch Circuits and  
Feeders On or Above Roofs



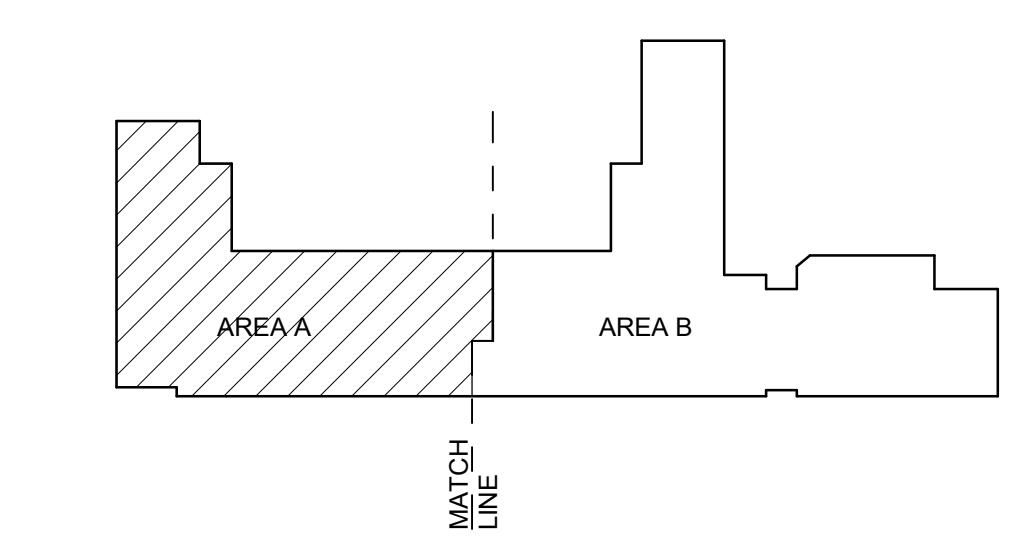
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- C. COVER PLATES OF ALL DEVICES WILL BE LABELED WITH CIRCUIT IT IS CONNECTED TO, SUCH DEVICES ARE, BUT NOT LIMITED TO, SWITCHES AND RECEPTACLES. REFER TO SPECIFICATION SECTION 26053 FOR ADDITIONAL INFORMATION.
- D. CONTROLS FOR ALL MECHANICAL EQUIPMENT WILL BE AS INDICATED ON SHEET SERIES "M". RACEWAY PATHS FOR CONTROLS AND WIRING WILL BE INSTALLED AS INDICATED ON CONTROL DIAGRAMS. ALSO REFER TO SPECIFICATION SECTION 230549 FOR ADDITIONAL INFORMATION. CONTRACTOR WILL PROVIDE A 3/4" CONDUIT FOR CONTROL WIRING AS REQUIRED BY SHEET SERIES "M". CONTROL WILL EITHER BE BY FACILITY MANAGEMENT SYSTEM (FMS) OR LOCAL SWITCHES. PROVIDE PILOT LIGHT SWITCHES WHERE LOCAL SWITCHES ARE REQUIRED PER CONTROL DIAGRAMS.
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**KEYNOTES**

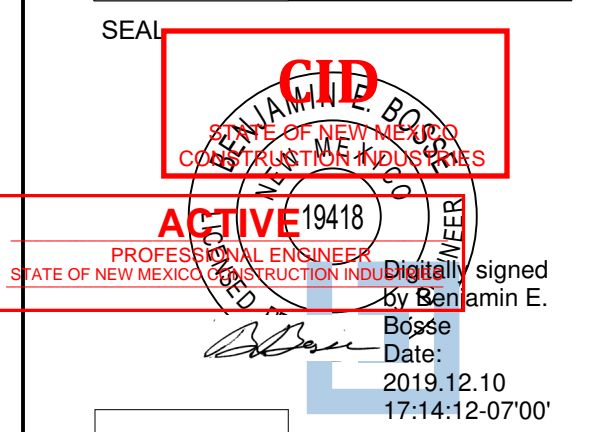
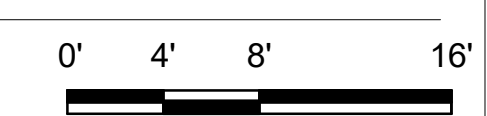
- EP09 FOR EACH UNIT, REFER TO SHEET M-701 FOR MECHANICAL EQUIPMENT CHARACTERISTICS. REFER TO SHEET E-701 FOR ELECTRICAL CONNECTION AND OTHER INFORMATION.
- EP10 STARTER, CONTROL SYSTEM AND DISCONNECTING MEANS FOR UNIT WILL BE FACTORY PROVIDED. CONTRACTOR WILL HAVE ONE POINT OF ELECTRICAL CONNECTION FOR VFD OR CONTROL EQUIPMENT INFORMATION, REFER TO SHEET M-701.
- EP11 CONTRACTOR TO PROVIDE CONDUIT AND CONDUCTORS TO RECEPTACLE PROVIDED WITH MECHANICAL UNIT.

**KEYPLAN**



**A4 ELECTRICAL ROOF PLAN - AREA A**

SCALE: 1/8" = 1'-0"



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

REVISIONS


DRAWN BY	MJL
REVIEWED BY	JMM
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	ELECTRICAL ROOF PLAN - AREA A

SHEET NO **EP140A**

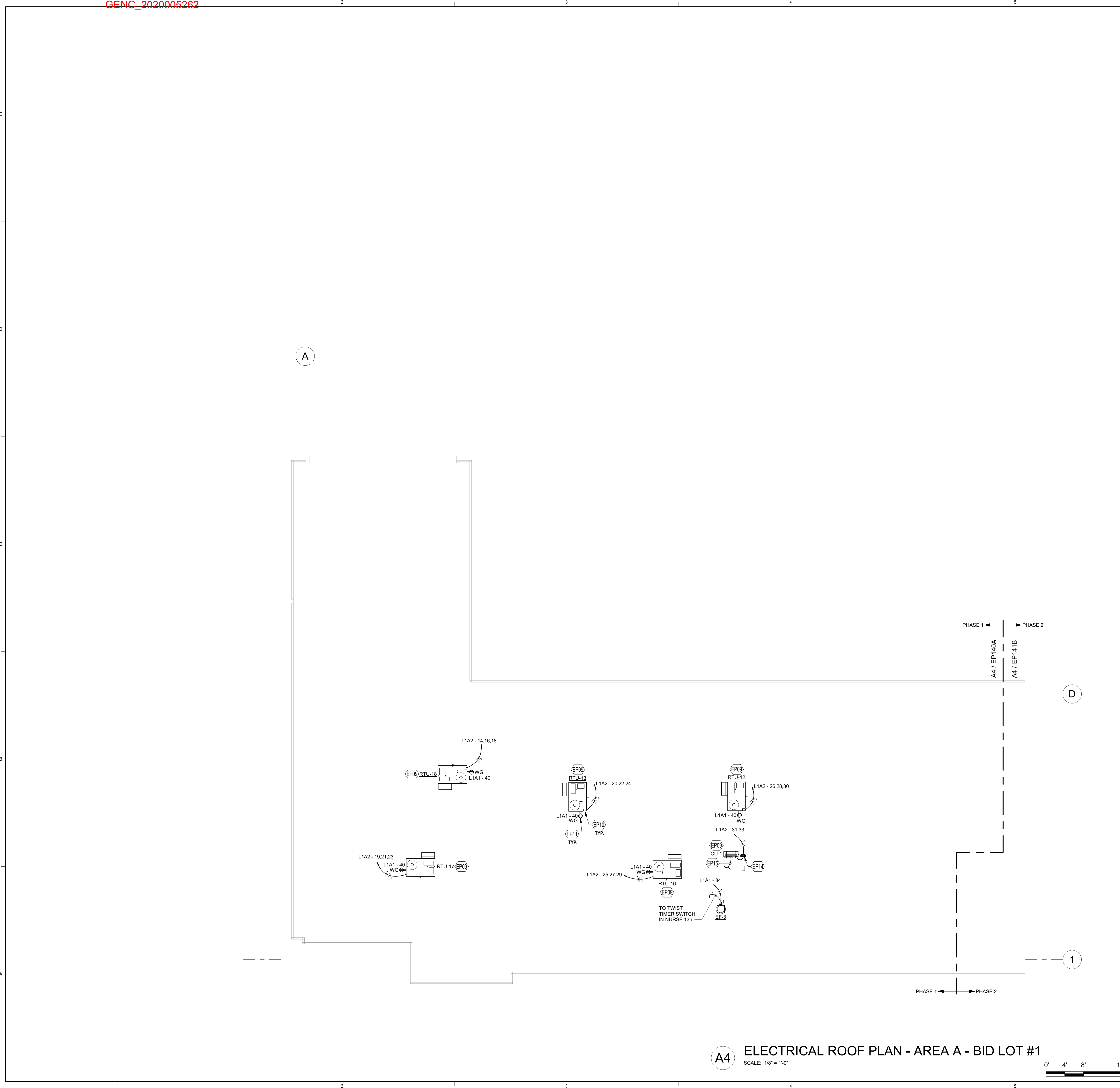






Portales Brown Early Childhood Center, Project #S20-008, FSCOC FUNDED

Bridges & Paxton Project No. 8022 12/10/2019 3:54:33 PM D:\Revit\2019\Projects\MEP\_PMS Brown ECC\_8022\_mjbevey@bpa.com.rvt



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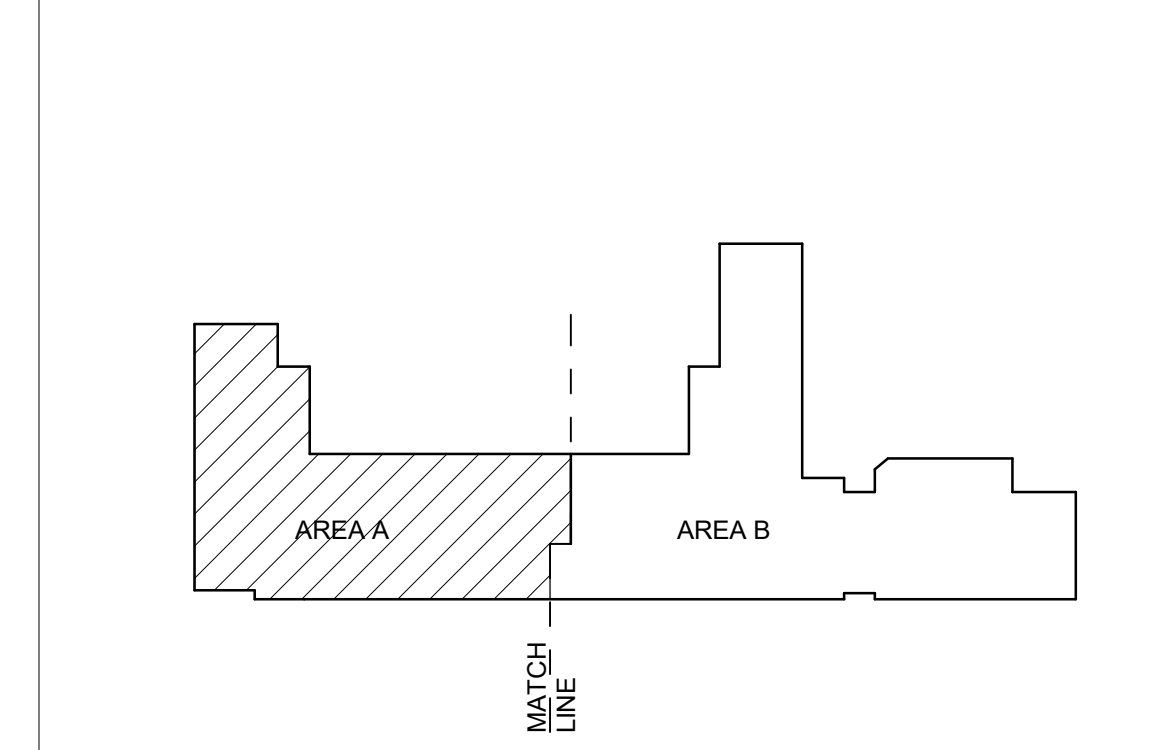
NMEC 250.118(15) - Equipment Grounding  
Conductor Required With All Branch Circuits and  
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ELECTRICAL / NEW MEXICO ADMINISTRATIVE CODES

**KEYNOTES**

- EP09 FOR EACH UNIT, REFER TO SHEET M-701 FOR MECHANICAL EQUIPMENT CHARACTERISTICS. REFER TO SHEET E-701 FOR ELECTRICAL CONNECTION AND OTHER INFORMATION.
- EP10 STARTER, CONTROL SYSTEM AND DISCONNECTING MEANS FOR UNIT WILL BE FACTORY PROVIDED. CONTRACTOR WILL HAVE ONE POINT OF ELECTRICAL CONNECTION. FOR VFD OR CONTROL EQUIPMENT INFORMATION, REFER TO SHEET M-701.
- EP11 CONTRACTOR TO PROVIDE CONDUIT AND CONDUCTORS TO RECEPTACLE PROVIDED WITH MECHANICAL UNIT.
- EP14 PROVIDE DISCONNECT ON UNISTRUT NEAR MECHANICAL UNIT. REFER TO DETAIL C5 ON SHEET E-501 FOR ADDITIONAL INFORMATION.
- EP15 EXTEND RACEWAY AND CONDUCTORS TO INDOOR UNIT THAT IS ASSOCIATED WITH THIS UNIT.

**KEYPLAN**



**A4 ELECTRICAL ROOF PLAN - AREA A - BID LOT #1**  
SCALE: 1/8" = 1'-0"  
0' 4' 8' 16'

**FORMATIVE**  
architecture

www.formativearchitecture.com  
209 GOLD AVENUE, SW  
ALBUQUERQUE, NM 87102  
505.510.4000

**BRIDGES & PAXTON**  
4602 E Management Blvd, NE  
Albuquerque, NM 87109  
505.883.4111 www.btpa.com

SEAL

**ACTIVE** 19418  
PROFESSIONAL ENGINEER  
STATE OF NEW MEXICO  
Digitally signed  
by Benjamin E. Sprick  
Date: 2019.12.10  
17:14:31-07'00'

PROJECT

**PUBLIC SCHOOL FACILITIES AUTHORITY**  
APPROVED  
William Sprick  
Quality Specialist

**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

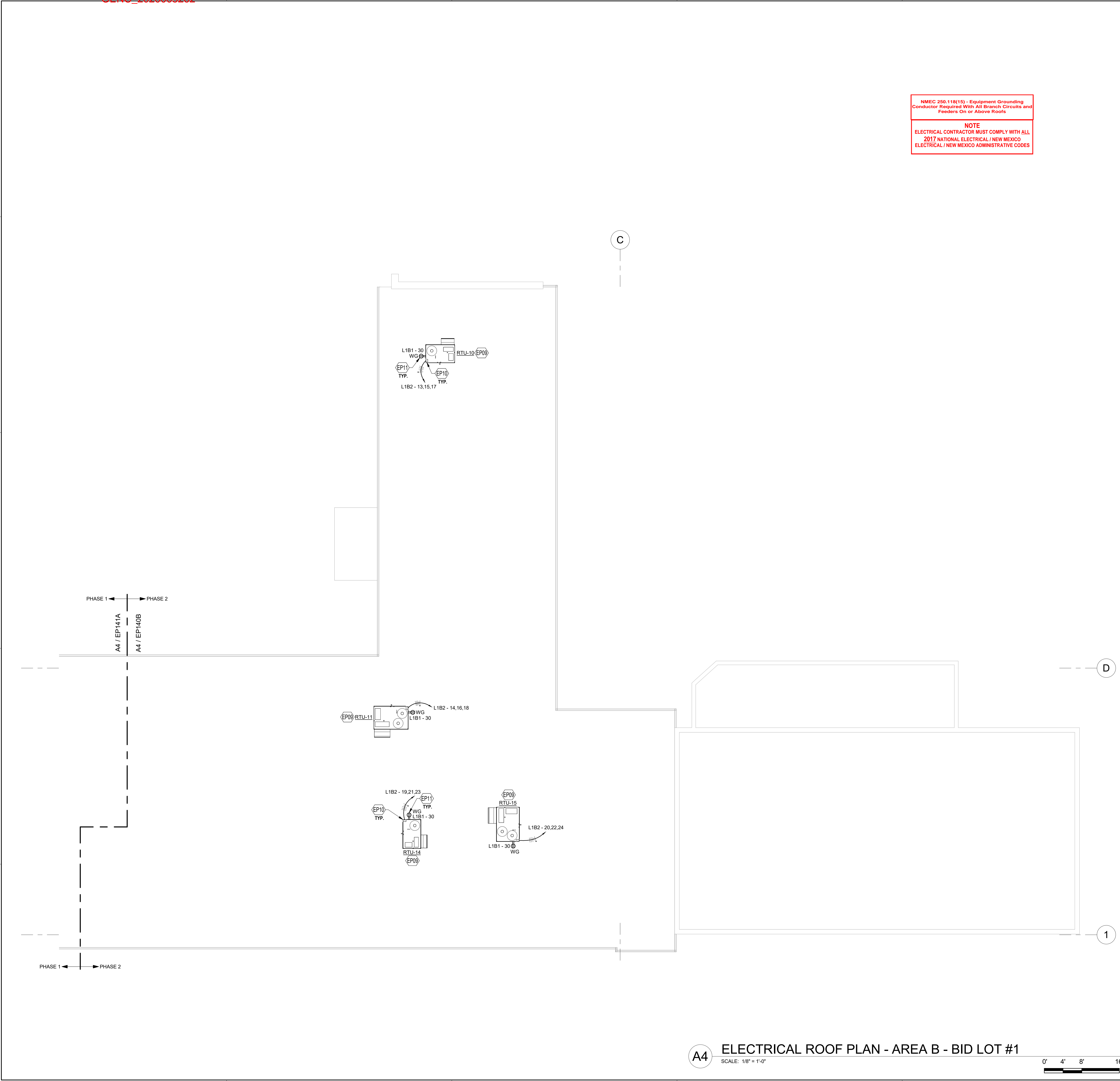
REVISIONS	
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DRAWN BY	MJL
REVIEWED BY	JMM
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	<b>ELECTRICAL ROOF PLAN - AREA A - BID LOT #1</b>
SHEET NO	<b>EP141A</b>



Portales Brown Early Childhood Center, Project #S20-008, PSOC FUNDING

Bridgers & Paxton Project No. 8022 12/10/2019 3:54:35 PM D:\Revit\2019\Projects\MEP\_PMS Brown ECC\_8022\_mjbevey@bpxo.com.rvt



**NMEC 250.118(15) - Equipment Grounding**  
Conductor Required With All Branch Circuits and Feeders On or Above Roofs.

**NOTE**  
ELECTRICAL CONTRACTOR MUST COMPLY WITH ALL 2017 NATIONAL ELECTRICAL / NEW MEXICO ELECTRICAL / NEW MEXICO ADMINISTRATIVE CODES

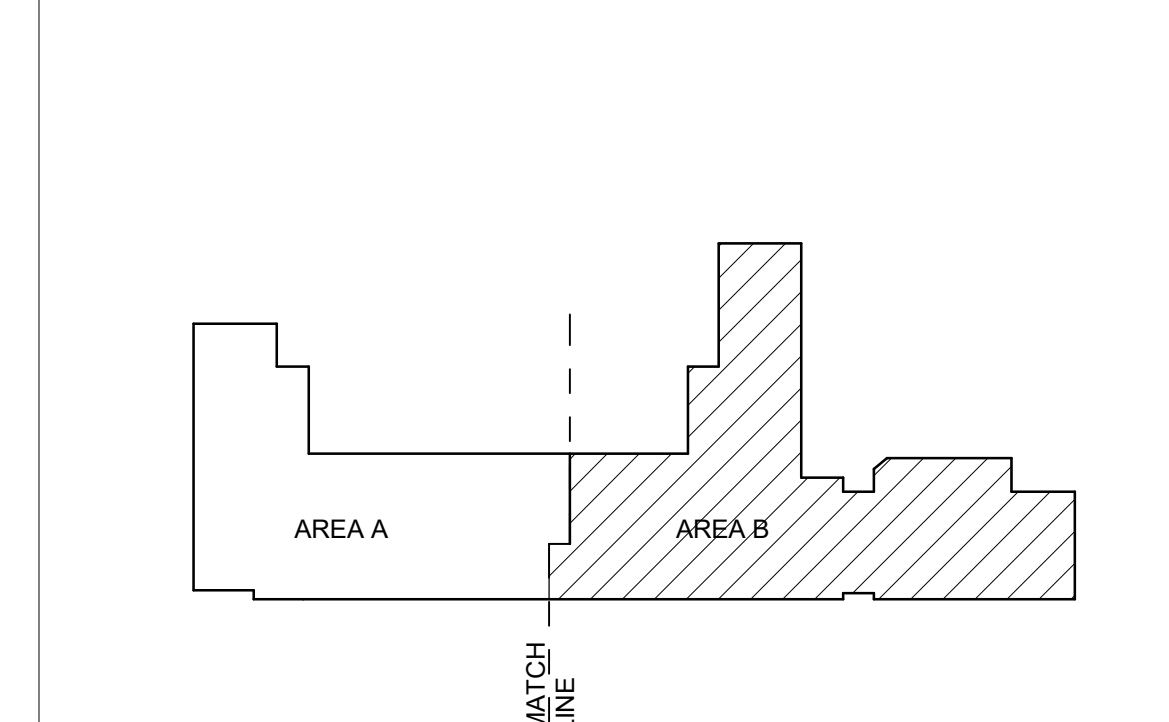
**GENERAL SHEET NOTES**

- A. GFCI RECEPTACLES WILL BE INSTALLED AT ALL LOCATIONS AS REQUIRED BY THE LATEST VERSION OF NEC, STATE AND LOCAL CODES WHETHER INDICATED ON PLANS OR NOT. SOME LOCATIONS WILL BE WITHIN 6'-0" OF SINKS, EXTERIOR DOORS AND WET LOCATIONS. ALL EXTERIOR RECEPTACLE LOCATIONS WILL BE WEATHERPROOF AND GFCI RATED.
- B. COORDINATE ALL 120 VOLT POWER REQUIREMENTS AND LOCATIONS WITH THE CONTROLS / ACCESS / SECURITY CONTRACTORS IN THE FIELD. REFER TO SPECIFICATION 230549 FOR ADDITIONAL INFORMATION.
- C. COVER PLATES OF ALL DEVICES WILL BE LABELED WITH CIRCUIT IT IS CONNECTED TO, SUCH DEVICES ARE, BUT NOT LIMITED TO, SWITCHES AND RECEPTACLES. REFER TO SPECIFICATION SECTION 26053 FOR ADDITIONAL INFORMATION.
- D. CONTROLS FOR ALL MECHANICAL EQUIPMENT WILL BE AS INDICATED ON SHEET SERIES "M". RACEWAY PATHS FOR CONTROLS AND WIRING WILL BE INSTALLED AS INDICATED ON CONTROL DIAGRAMS. ALSO REFER TO SPECIFICATION SECTION 230549 FOR ADDITIONAL INFORMATION. CONTRACTOR WILL PROVIDE A 3/4" CONDUIT FOR CONTROL WIRING AS REQUIRED BY SHEET SERIES "M". CONTROL WILL EITHER BE BY FACILITY MANAGEMENT SYSTEM (FMS) OR LOCAL SWITCHES. PROVIDE PILOT LIGHT SWITCHES WHERE LOCAL SWITCHES ARE REQUIRED PER CONTROL DIAGRAMS.
- E. REFER TO MECHANICAL EQUIPMENT SCHEDULE ON SHEET SERIES "M" FOR ADDITIONAL INFORMATION ON EQUIPMENT.
- F. WITH LABEL AND IDENTIFICATION OF CIRCUIT, PANEL AND UNIT NAME, PROVIDE ROOM THAT UNIT SERVES WITHIN LABEL ON UNIT.
- G. REMOVE ALL UNUSED RACEWAY PATHS FROM CEILING SPACE.
- H. REMOVE ALL UNUSED CONDUCTORS AND CABLES FROM CEILING SPACE.
- I. THROUGHOUT ALL CEILING/CEILING SPACES, ALL RACEWAY PATHS, WHETHER NEW OR EXISTING, WILL BE PROPERLY SUPPORTED TO MEET NEC AND NMEC CODE REQUIREMENTS, PLUS ANY BICSI INSTALLATION REQUIREMENTS FOR LOW VOLTAGE CABLES.

**KEYNOTES**

- EP09 FOR EACH UNIT, REFER TO SHEET M-701 FOR MECHANICAL EQUIPMENT CHARACTERISTICS. REFER TO SHEET E-701 FOR ELECTRICAL CONNECTION AND OTHER INFORMATION.
- EP10 STARTER, CONTROL SYSTEM AND DISCONNECTING MEANS FOR UNIT WILL BE FACTORY PROVIDED. CONTRACTOR WILL HAVE ONE POINT OF ELECTRICAL CONNECTION FOR VFD OR CONTROL EQUIPMENT INFORMATION, REFER TO SHEET M-701.
- EP11 CONTRACTOR TO PROVIDE CONDUIT AND CONDUCTORS TO RECEPTACLE PROVIDED WITH MECHANICAL UNIT.

**KEYPLAN**



**FORMATIVE**  
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SEAL  
STATE OF NEW MEXICO  
CONSTRUCTION INDUSTRIES DIVISION  
ACTIVE 19418  
PROFESSIONAL ENGINEER  
ELECTRICAL  
Digitally signed by Benjamin E. Sprick  
Date: 2019.12.10 17:14:40-07'00'

PROJECT

**PUBLIC SCHOOL FACILITIES AUTHORITY**  
APPROVED  
William W. Sprick  
Quality Specialist

**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

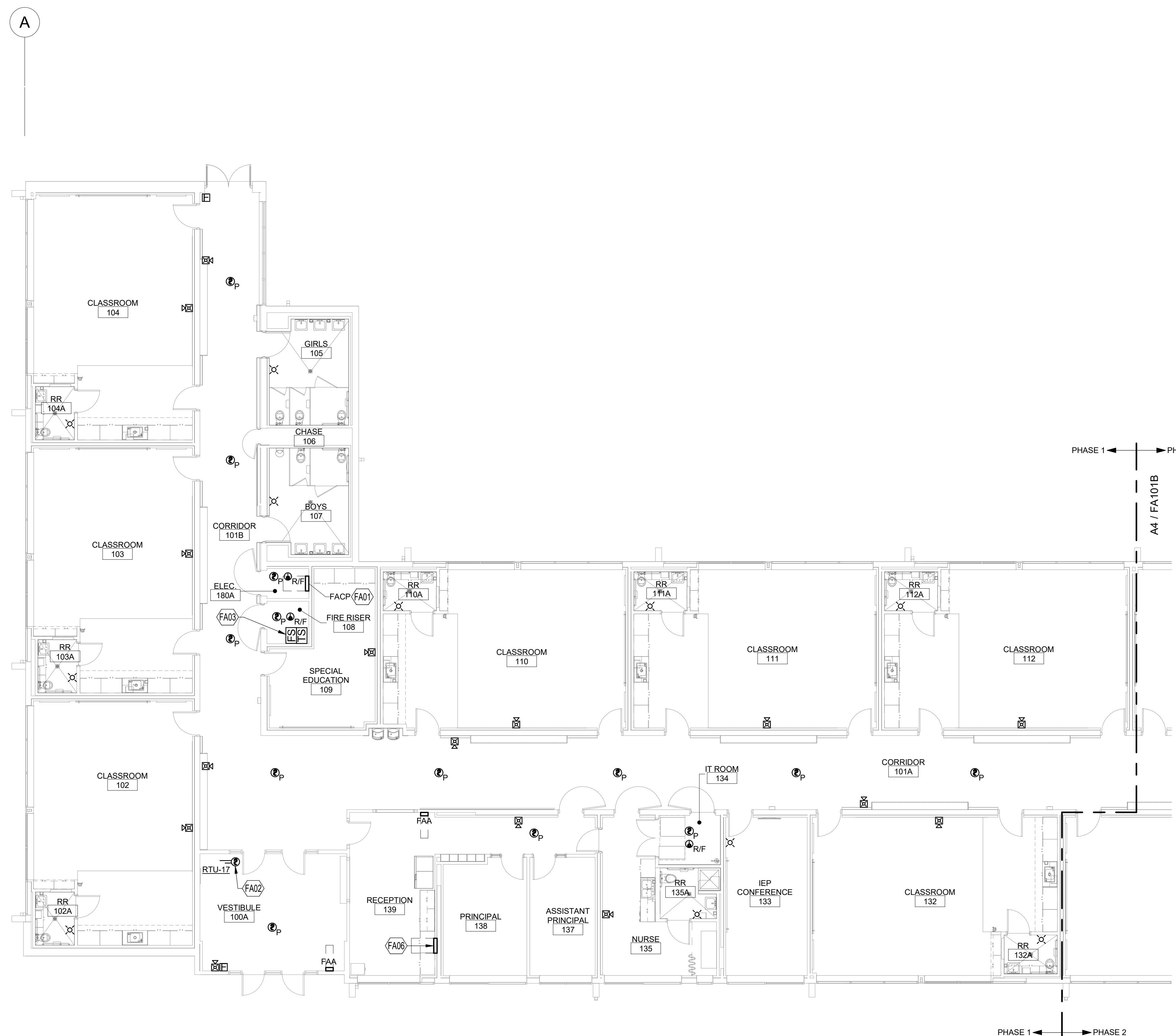
**CONSTRUCTION DOCUMENTS**

REVISIONS

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DRAWN BY	MJL
REVIEWED BY	JMM
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	ELECTRICAL ROOF PLAN - AREA B - BID LOT #1
SHEET NO	EP141B





**GENERAL SHEET NOTES**

- A. REFER TO SHEET E-602 FOR FIRE ALARM RISER DIAGRAM.
- B. ALL STROBES IN CORRIDORS AND COMMON AREAS WILL FLASH AT THE SAME TIME.
- C. WHERE A VOICE EVACUATION SYSTEM IS NECESSARY PER THE OCCUPANCY TYPE, ASSEMBLY OF OCCUPANCY TYPE, NICET LEVEL III OR HIGHER DESIGNER AND INSTALLER PROFESSIONAL, AND AS APPROVED BY THE STATE FIRE MARSHALL'S OFFICE, CONTRACTOR WILL REFER TO SPECIFICATION 283100 FOR VOICE EVACUATION SYSTEM REQUIREMENTS.
- D. EXISTING FIRE ALARM SYSTEM IN BUILDING IS HONEYWELL. FIRE ALARM SYSTEM IS TO BE UPGRADED TO NOTIFIER SYSTEM AND BE CONNECTED TO EXISTING FIRE ALARM SYSTEM AT EXISTING ELEMENTARY SCHOOL, NICET LEVEL 3 OR HIGHER WILL DESIGN THE SYSTEM. DESIGN WILL INCLUDE SHOP DRAWINGS APPROVED BY STATE FIRE MARSHALL. ONE SUBMITTAL PER PHASE WILL NEED TO BE SUBMITTED TO STATE FIRE MARSHALL FOR APPROVAL. ONCE APPROVED BY STATE FIRE MARSHALL, SHOP DRAWINGS, TWO COPIES, WILL BE SENT TO ARCHITECT FOR REVIEW.

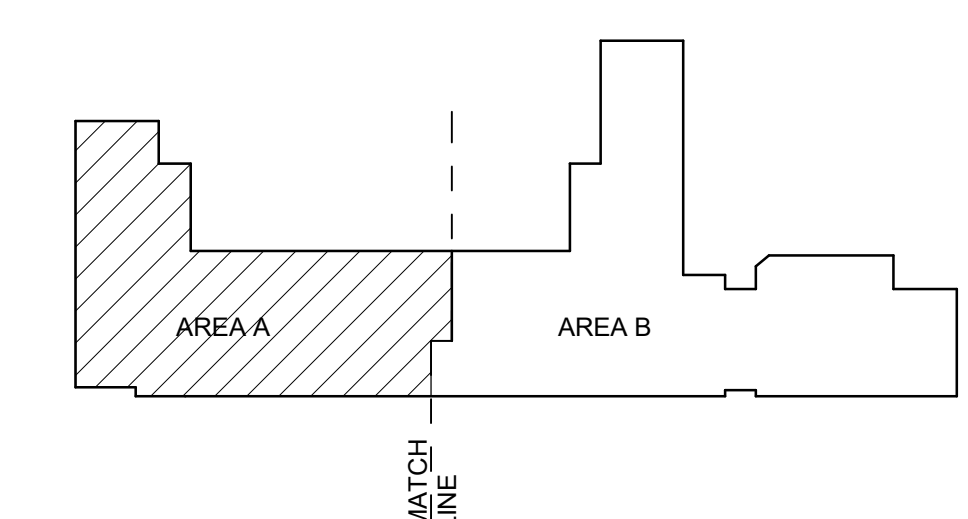
IT IS THE INTENT OF THESE DOCUMENTS TO SHOW A BASIC REPRESENTATION OF THE FIRE ALARM SYSTEM. DEVICES INDICATED ON THESE DOCUMENTS ARE IN NO WAY IMPLIED TO BE COMPREHENSIVE OF THE FINAL DESIGN. IT IS THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR TO PROVIDE A DESIGN/BUILD FIRE ALARM SYSTEM BASED UPON A THOROUGH REVIEW OF ALL CONTRACT DOCUMENTS. IT IS THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR TO ENSURE THAT THE FIRE ALARM SYSTEM IS CODE COMPLIANT, MEETS THE REQUIREMENTS OF THE AHJ AND COMPREHENSIVELY COVERS AND INCLUDES ALL NECESSARY PARTS AND LABOR ASSOCIATED WITH OTHER TRADES AND SYSTEMS IMPACTING THE FIRE ALARM SYSTEM. NO CHANGE ORDERS SHALL BE APPROVED FOR THE BASE SCOPE OF WORK.

**ENTIRE FIRE ALARM SYSTEM WILL BE IN RACEWAYS; NO EXCEPTIONS!**

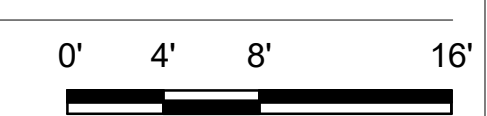
**KEYNOTES**

- FA01 FIRE ALARM CONTROL PANEL (FACP) NEW FACP TO BE CONNECTED TO EXISTING FACP IN EXISTING ELEMENTARY SCHOOL. REFER TO FIRE ALARM RISER DIAGRAM ON SHEET E-602 FOR ADDITIONAL INFORMATION.
- FA02 PROVIDE DUCT DETECTOR AS INDICATED ON SHEET SERIES "M". NOT ALL LOCATIONS MAY HAVE BEEN NOTED. DIV 28 WILL PROVIDE DUCT DETECTORS AND WIRE AS REQUIRED BY DIV 23. AND DIV 23 WILL INSTALL DUCT DETECTORS.
- FA03 COORDINATE FLOW AND TAMPER SWITCH LOCATION WITH PLUMBING DRAWINGS.
- FA04 PROVIDE A 1" CONDUIT TO FACP FOR TAMPER SWITCH IN NOT BOX. REFER TO SHEET SERIES "X" FOR MORE INFORMATION AND LOCATIONS. REFER TO FIRE ALARM RISER DIAGRAM ON SHEET E-602 FOR ADDITIONAL INFORMATION.
- FA05 PROVIDE A 1" CONDUIT TO FACP FOR PIV. REFER TO SHEET SERIES "X" FOR MORE INFORMATION AND LOCATIONS. REFER TO FIRE ALARM RISER DIAGRAM ON SHEET E-602 FOR ADDITIONAL INFORMATION.
- FA06 EXISTING FIRE ALARM PANEL TO REMAIN DURING PHASE 1 OF CONSTRUCTION SO THAT PHASE 2 PORTION OF BUILDING WILL REMAIN OPERATIONAL. THIS FIRE ALARM PANEL AND ALL FEEDERS AND RACEWAYS WILL BE REMOVED DURING PHASE 2 OF CONSTRUCTION. PROVIDE PULLBOX ABOVE CEILING TO INTERCEPT RACEWAY FROM CONNECTION TO EXISTING FIRE ALARM PANEL IN EXISTING ELEMENTARY SCHOOL. TO EXTEND TO NEW FIRE ALARM PANEL LOCATION. REFER TO FIRE ALARM RISER DIAGRAM ON SHEET E-602 FOR ADDITIONAL INFORMATION.

**KEYPLAN**



**A4 FIRE ALARM FLOOR PLAN - AREA A - BID LOT #1**  
SCALE: 1/8" = 1'-0"



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SEAL

**ACTIVE 19418**  
PROFESSIONAL ENGINEER  
STATE OF NEW MEXICO  
Benjamin E. Sprick  
Date: 2019.12.10  
1714.90.0700

PROJECT

**PUBLIC SCHOOL FACILITIES AUTHORITY**  
**APPROVED**  
William Sprick  
Quality Specialist

**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

- REVISIONS
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DRAWN BY	MJL
REVIEWED BY	JMM
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

**FIRE ALARM FLOOR PLAN - AREA A - BID LOT #1**

SHEET NO **FA101A**



CONSTRUCTION DOCUMENTS

REVISIONS

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DRAWN BY	MJL
REVIEWED BY	JMM
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

FIRE ALARM FLOOR PLAN - AREA B - BID LOT #1

GENERAL SHEET NOTES

- A. REFER TO SHEET E-602 FOR FIRE ALARM RISER DIAGRAM.
- B. ALL STROBES IN CORRIDORS AND COMMON AREAS WILL FLASH AT THE SAME TIME.
- C. WHERE A VOICE EVACUATION SYSTEM IS NECESSARY PER THE OCCUPANCY TYPE, ASSEMBLY OF OCCUPANCY TYPE, NICET LEVEL III OR HIGHER DESIGNER AND INSTALLER PROFESSIONAL, AND AS APPROVED BY THE STATE FIRE MARSHAL'S OFFICE, CONTRACTOR WILL REFER TO SPECIFICATION 283100 FOR VOICE EVACUATION SYSTEM REQUIREMENTS.
- D. EXISTING FIRE ALARM SYSTEM IN BUILDING IS HONEYWELL. FIRE ALARM SYSTEM IS TO BE UPGRADED TO NOTIFIER SYSTEM AND BE CONNECTED TO EXISTING FIRE ALARM SYSTEM AT EXISTING ELEMENTARY SCHOOL, NICET LEVEL 3 OR HIGHER WILL DESIGN THE SYSTEM. DESIGN WILL INCLUDE SHOP DRAWINGS APPROVED BY STATE FIRE MARSHALL. ONE SUBMITTAL PER PHASE WILL NEED TO BE SUBMITTED TO STATE FIRE MARSHALL FOR APPROVAL. ONCE APPROVED BY STATE FIRE MARSHALL, SHOP DRAWINGS, TWO COPIES, WILL BE SENT TO ARCHITECT FOR REVIEW.

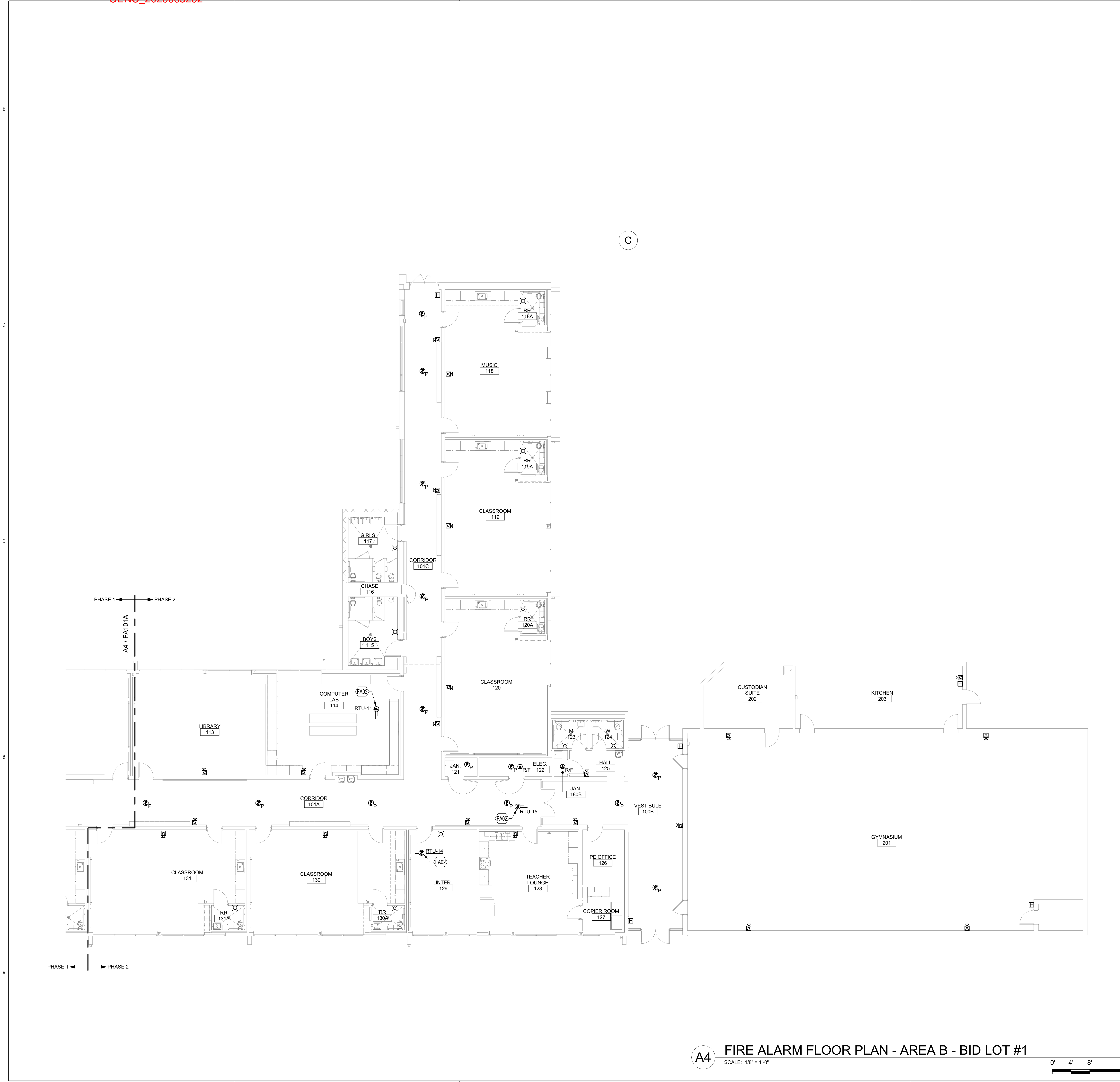
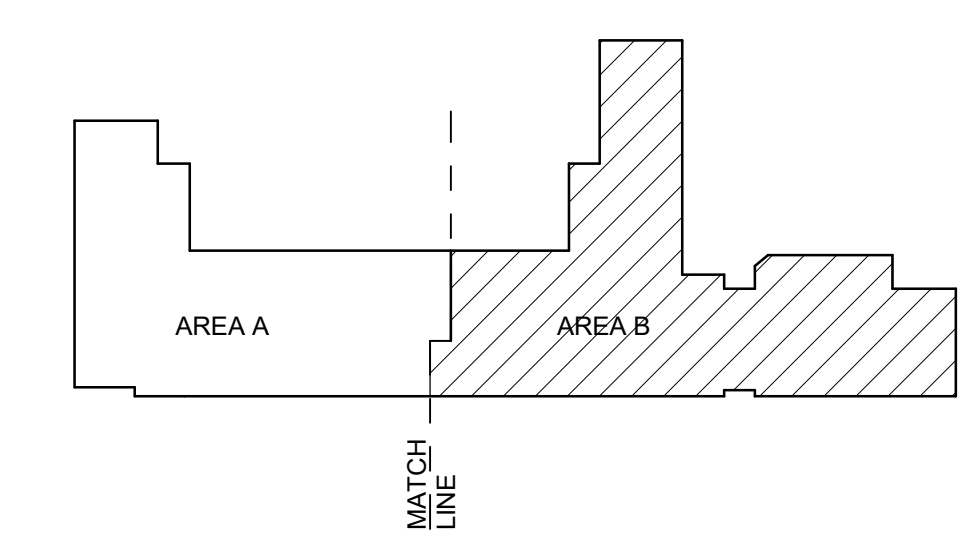
IT IS THE INTENT OF THESE DOCUMENTS TO SHOW A BASIC REPRESENTATION OF THE FIRE ALARM SYSTEM. DEVICES INDICATED ON THESE DOCUMENTS ARE IN NO WAY IMPLIED TO BE COMPREHENSIVE OF THE FINAL DESIGN. IT IS THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR TO PROVIDE A DESIGN/BUILD FIRE ALARM SYSTEM BASED UPON A THOROUGH REVIEW OF ALL CONTRACT DOCUMENTS. IT IS THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR TO ENSURE THAT THE FIRE ALARM SYSTEM IS CODE COMPLIANT, MEETS THE REQUIREMENTS OF THE AHJ AND COMPREHENSIVELY COVERS AND INCLUDES ALL NECESSARY PARTS AND LABOR ASSOCIATED WITH OTHER TRADES AND SYSTEMS IMPACTING THE FIRE ALARM SYSTEM. NO CHANGE ORDERS SHALL BE APPROVED FOR THE BASE SCOPE OF WORK.

**ENTIRE FIRE ALARM SYSTEM WILL BE IN RACEWAYS; NO EXCEPTIONS!**

KEYNOTES

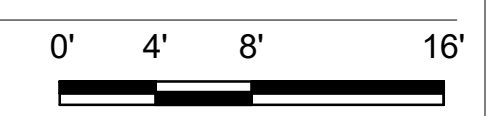
- FA02 PROVIDE DUCT DETECTOR AS INDICATED ON SHEET SERIES "M". NOT ALL LOCATIONS MAY HAVE BEEN NOTED. DIV 28 WILL PROVIDE DUCT DETECTORS AND WIRE AS REQUIRED BY DIV 23, AND DIV 23 WILL INSTALL DUCT DETECTORS.

KEYPLAN



**A4 FIRE ALARM FLOOR PLAN - AREA B - BID LOT #1**

SCALE: 1/8" = 1'-0"

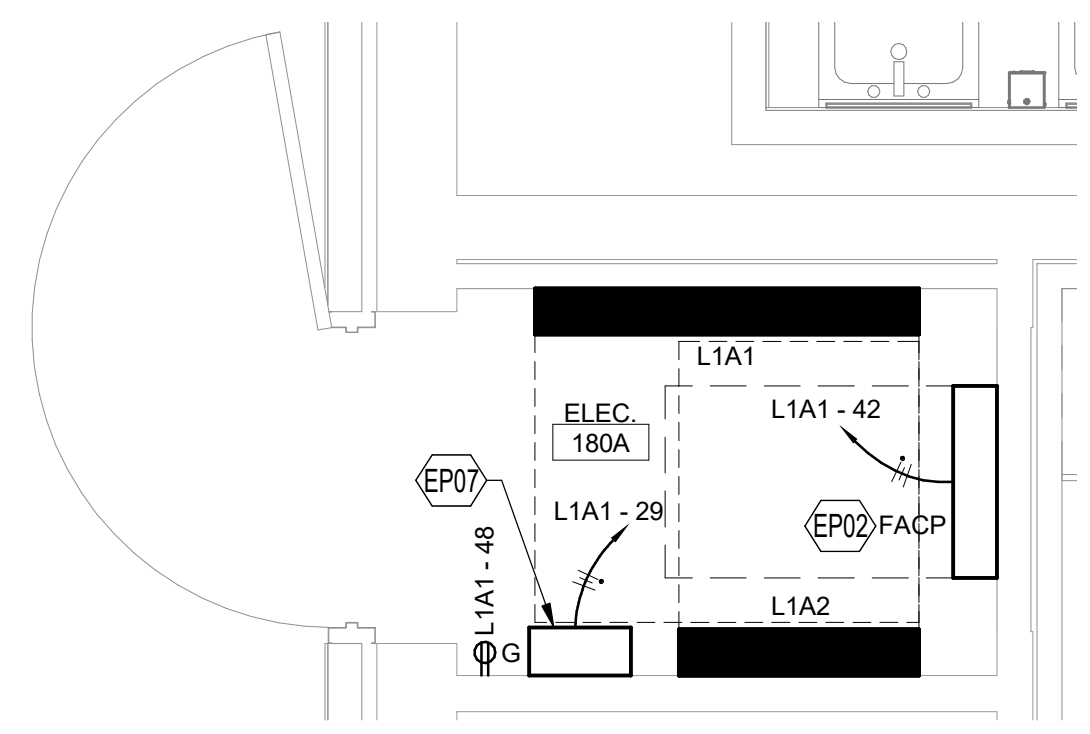


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Bridgers & Paxton Project No: 8022

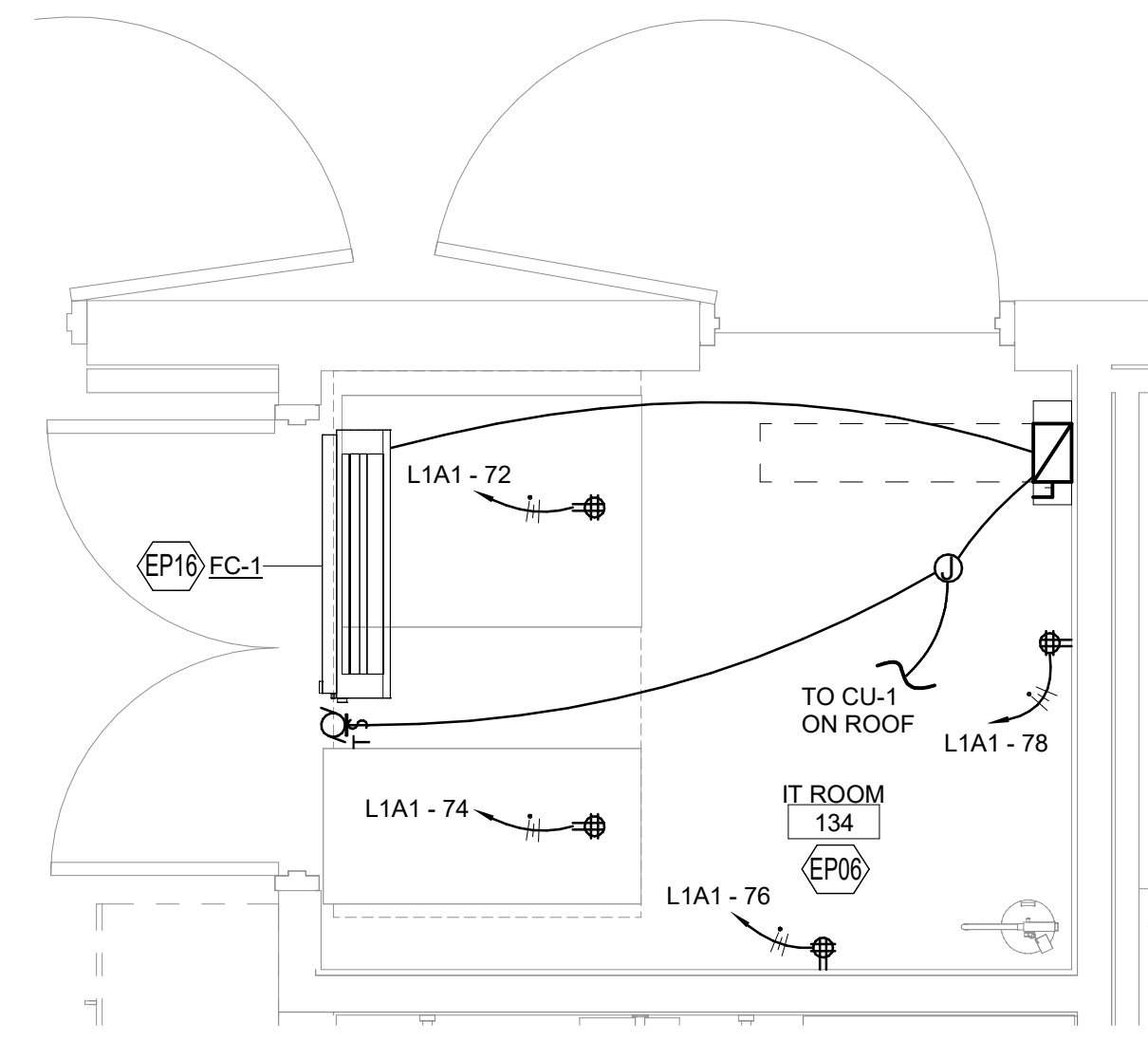


**NOTE**  
ELECTRICAL CONTRACTOR MUST COMPLY WITH ALL  
2017 NATIONAL ELECTRICAL / NEW MEXICO  
ELECTRICAL / NEW MEXICO ADMINISTRATIVE CODES

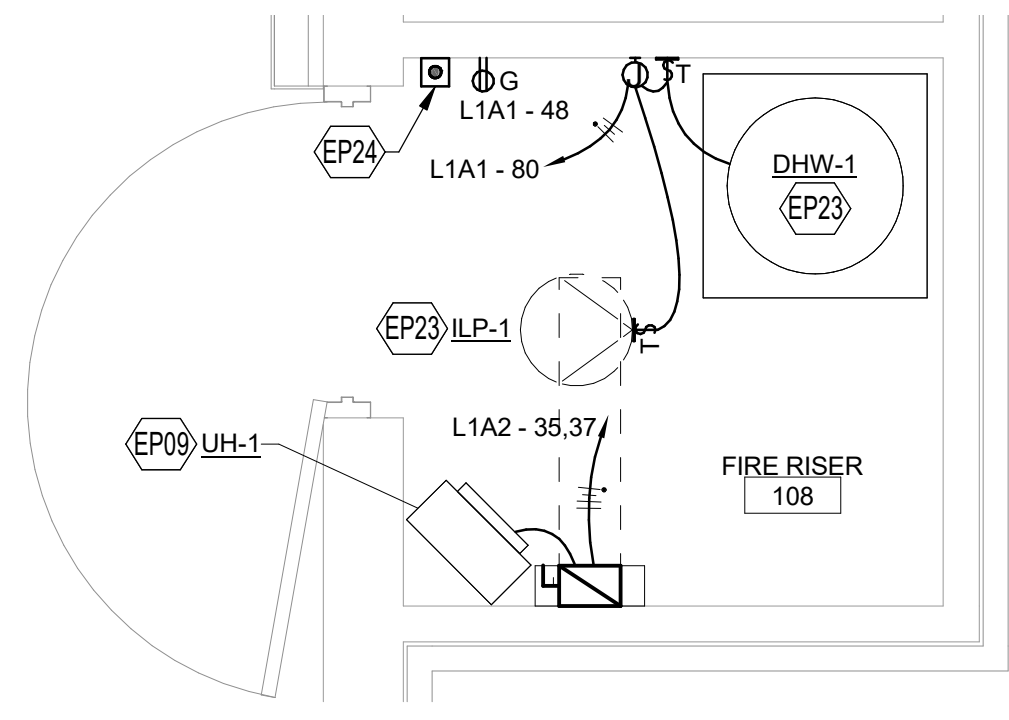
**D4 ENLARGED AREA A ELEC RM POWER PLAN**  
SCALE: 1/2" = 1'-0"



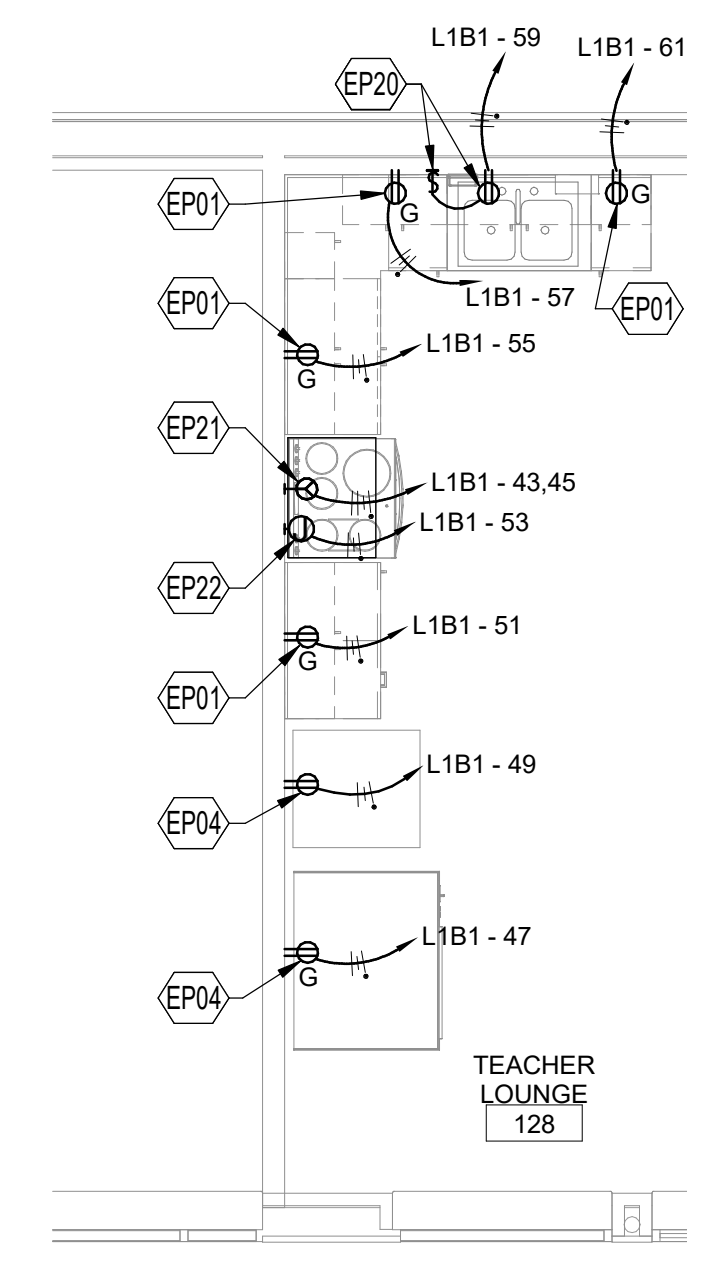
**C4 ENLARGED IT RM POWER PLAN - BID LOT #1**  
SCALE: 1/2" = 1'-0"



**B4 ENLARGED FIRE RISER POWER PLAN - BID LOT #1**  
SCALE: 1/2" = 1'-0"



**A4 ENLARGED TEACH LOUNGE PWR PLAN - BID LOT #1**  
SCALE: 1/4" = 1'-0"



**GENERAL SHEET NOTES**

- A. GFCI RECEPTACLES WILL BE INSTALLED AT ALL LOCATIONS AS REQUIRED BY THE LATEST VERSION OF NEC, STATE AND LOCAL CODES WHETHER INDICATED ON PLANS OR NOT. SOME LOCATIONS WILL BE WITHIN 6'-0" OF SINKS, EXTERIOR DOORS AND WET LOCATIONS. ALL EXTERIOR RECEPTACLE LOCATIONS WILL BE WEATHERPROOF AND GFCI RATED.
- B. COORDINATE ALL 120 VOLT POWER REQUIREMENTS AND LOCATIONS WITH THE CONTROLS / ACCESS / SECURITY CONTRACTORS IN THE FIELD. REFER TO SPECIFICATION 230549 FOR ADDITIONAL INFORMATION.
- C. COVER PLATES OF ALL DEVICES WILL BE LABELED WITH CIRCUIT IT IS CONNECTED TO, SUCH DEVICES ARE, BUT NOT LIMITED TO, SWITCHES AND RECEPTACLES. REFER TO SPECIFICATION SECTION 26053 FOR ADDITIONAL INFORMATION.
- D. CONTROLS FOR ALL MECHANICAL EQUIPMENT WILL BE AS INDICATED ON SHEET SERIES "M". RACEWAY PATHS FOR CONTROLS AND WIRING WILL BE INSTALLED AS INDICATED ON CONTROL DIAGRAMS. ALSO REFER TO SPECIFICATION SECTION 230649 FOR ADDITIONAL INFORMATION. CONTRACTOR WILL PROVIDE A 3/4" CONDUIT FOR CONTROL WIRING AS REQUIRED BY SHEET SERIES "M". CONTROL WILL EITHER BE BY FACILITY MANAGEMENT SYSTEM (FMS) OR LOCAL SWITCHES. PROVIDE PILOT LIGHT SWITCHES WHERE LOCAL SWITCHES ARE REQUIRED PER CONTROL DIAGRAMS.
- E. REFER TO MECHANICAL EQUIPMENT SCHEDULE ON SHEET SERIES "M" FOR ADDITIONAL INFORMATION ON EQUIPMENT.
- F. WITH LABEL AND IDENTIFICATION OF CIRCUIT, PANEL AND UNIT NAME, PROVIDE ROOM THAT UNIT SERVES WITH IN LABEL ON UNIT.
- G. REMOVE ALL UNUSED RACEWAY PATHS FROM CEILING SPACE.
- H. REMOVE ALL UNUSED CONDUCTORS AND CABLES FROM CEILING SPACE.
- I. THROUGHOUT ALL CEILINGS/CEILING SPACES, ALL RACEWAY PATHS, WHETHER NEW OR EXISTING, WILL BE PROPERLY SUPPORTED TO MEET NEC AND NMIC CODE REQUIREMENTS, PLUS ANY BICSI INSTALLATION REQUIREMENTS FOR LOW VOLTAGE CABLES.

**KEYNOTES**

- EP01 MOUNT DEVICE(S) 6" ABOVE COUNTER TOP BACK SPLASH, TABLE TOP OR SINK. RECEPTACLE WILL BE GFCI RATED IF DESIGNATED WITH "G".
- EP02 FIRE ALARM CONTROL PANEL (FACP). REFER TO FIRE ALARM RISER ON SHEET E-602 FOR ADDITIONAL INFORMATION. PROVIDE 12W POWER.
- EP04 MOUNT DEVICE 42" AFF BEHIND REFRIGERATOR OR VENDING MACHINE. CONTRACTOR WILL MATCH NEMA CONFIGURATION OF RECEPTACLE WITH UNIT PLUG. COORDINATE PRIOR TO ORDERING RECEPTACLE DEVICE.
- EP06 DEVICES IN IT ROOM WILL BE SURGE PROTECTED RECEPTACLES. 20A (120V) QUAD DEVICE WILL BE MOUNTED TO BOTTOM OF CABLE TRAY AT EACH RACK LOCATION UTILIZING UNISTRUT. DEVICES NOT TO BE MOUNTED DIRECTLY TO CABLETRAY. VERIFY CONNECTOR TYPE AND LOCATION WITH SHEET SERIES "I".
- EP07 RELAY PANEL FOR CONTROL OF CORRIDOR LIGHTING. REFER TO SHEET "EL" FOR ADDITIONAL INFORMATION.
- EP09 FOR EACH UNIT, REFER TO SHEET M-701 FOR MECHANICAL EQUIPMENT CHARACTERISTICS. REFER TO SHEET E-701 FOR ELECTRICAL CONNECTION AND OTHER INFORMATION.
- EP16 SPLIT SYSTEM INDOOR UNIT. PROVIDE A KNIFE BLADE DISCONNECT SWITCH ADJACENT TO UNIT. RACEWAY AND CONDUCTORS WILL BE EXTENDED TO ASSOCIATED ROOF UNIT FOR THIS SPLIT SYSTEM. UNIT WILL BE PACKAGED WITH CONTROLS. PROVIDE JUNCTION BOX FOR SEPARATION OF POWER TO CONDENSATE PUMP AND FC UNIT. REFER TO SHEET SERIES "M" FOR ADDITIONAL INFORMATION. REFER TO SHEET E-701 FOR ELECTRICAL CONNECTION AND OTHER INFORMATION.
- EP20 RESIDENTIAL-TYPE SINK DISPOSAL UNIT. OUTLET TO BE SWITCHED BY TOGGLE SWITCH ABOVE COUNTER. COORDINATE WITH SHEET SERIES "A" FOR EXACT LOCATION.
- EP21 ELECTRIC RANGE/STOVE. MOUNT DEVICE BEHIND UNIT. CONTRACTOR WILL MATCH NEMA CONFIGURATION OF RECEPTACLE WITH UNIT PLUG. COORDINATE PRIOR TO ORDERING RECEPTACLE DEVICE.
- EP22 DEVICE TO SERVE RESIDENTIAL-TYPE EXHAUST HOOD (ABOVE COOKING RANGE). COORDINATE ROUGH-IN LOCATION AND REQUIREMENTS WITH EQUIPMENT INSTALLER AND CASEWORK INSTALLER.
- EP23 PLUMBING IN-LINE PUMP AND WATER HEATER. PROVIDE A THERMAL OVERLOAD TOGGLE SWITCH FOR IN-LINE PUMP. 1/2 HP MOTOR RATED. FOR WATER HEATER, PROVIDE A JUNCTION BOX AND THERMAL SWITCH SIMILAR TO PUMP. REFER TO SHEET SERIES "P" FOR MORE INFORMATION.
- EP24 EMERGENCY POWER OFF (EPO) RED MUSHROOM HEAD PUSH BUTTON FOR WATER HEATER SHUT OFF. TERMINATE CONDUCTORS TO WATER HEATER PER MANUFACTURER'S DIRECTION.

CONSTRUCTION DOCUMENTS

REVISIONS

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DRAWN BY	MJL
REVIEWED BY	JMM
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

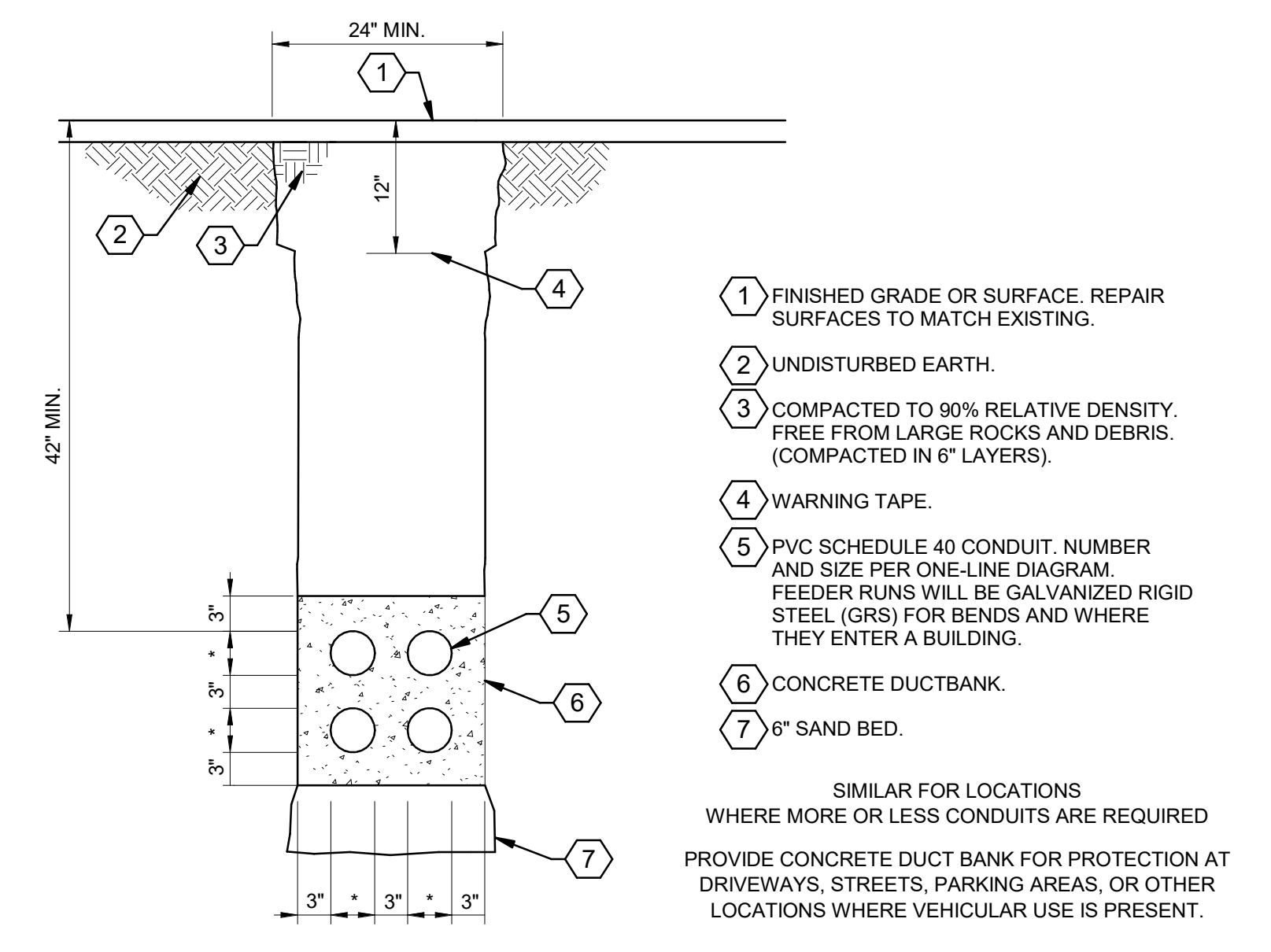
ENLARGED POWER PLANS



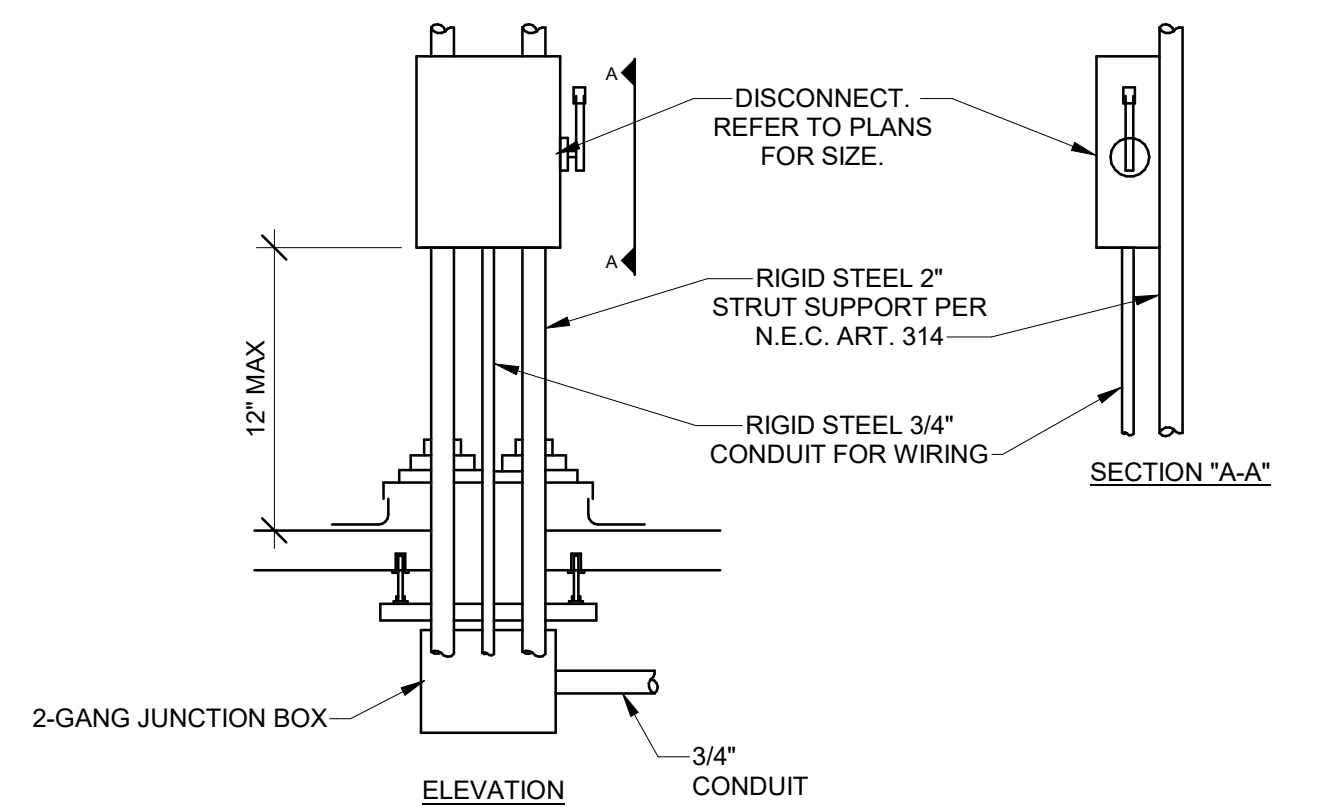
REVISIONS

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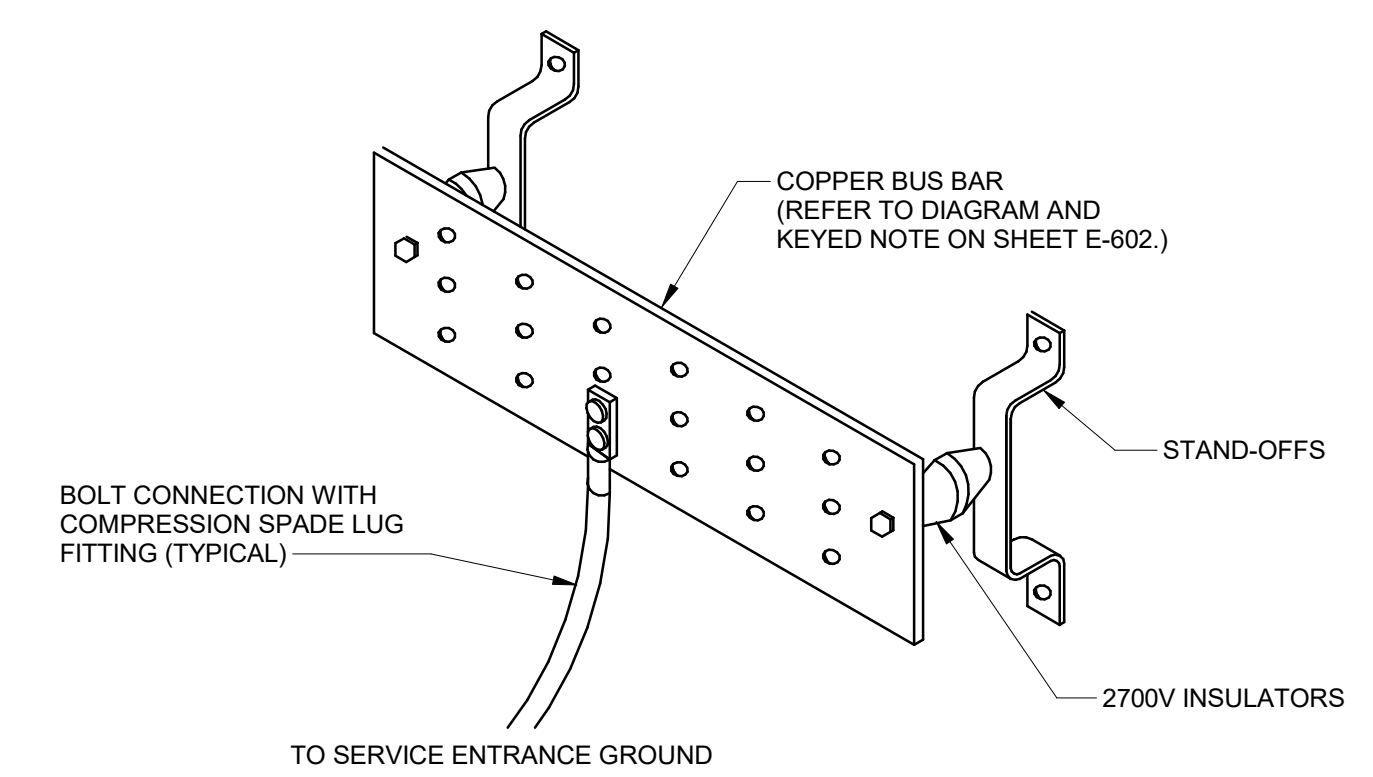
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DRAWING NAME	ELECTRICAL DETAILS



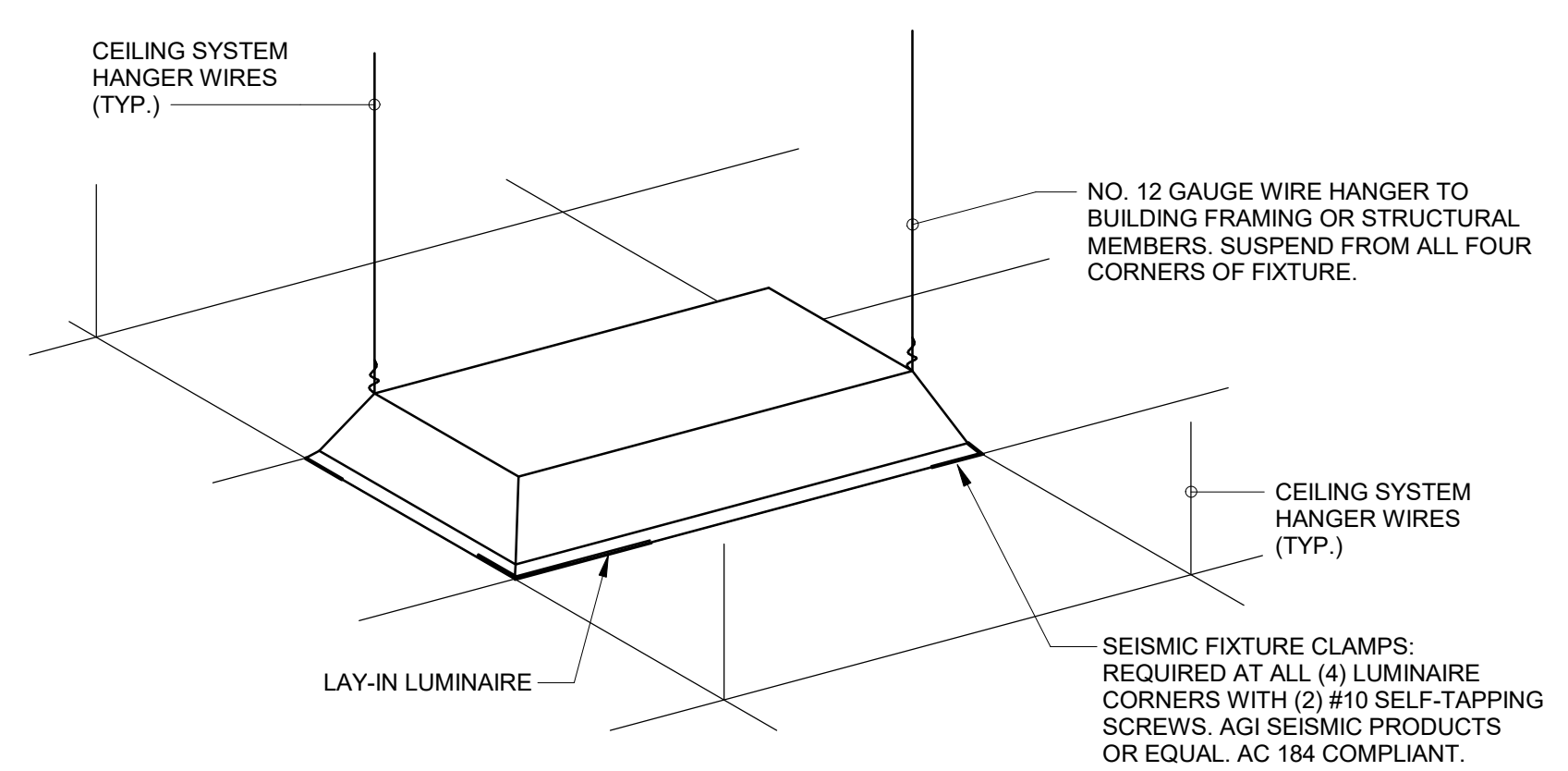
D5 480V SECONDARY DUCT BANK DETAIL  
SCALE: NO SCALE



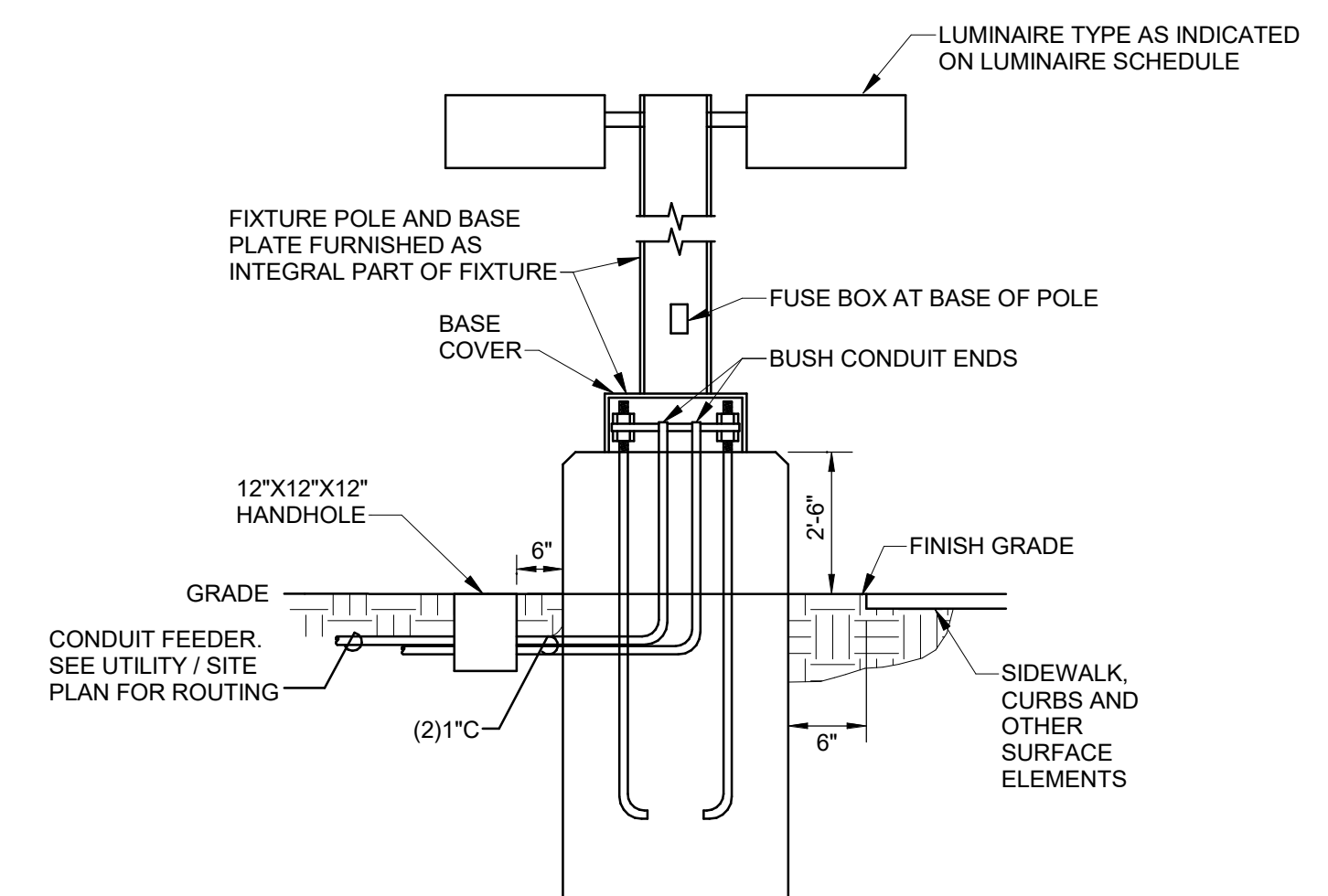
C5 UNISTRUT MOUNTED DISCONNECT DETAIL  
SCALE: NO SCALE



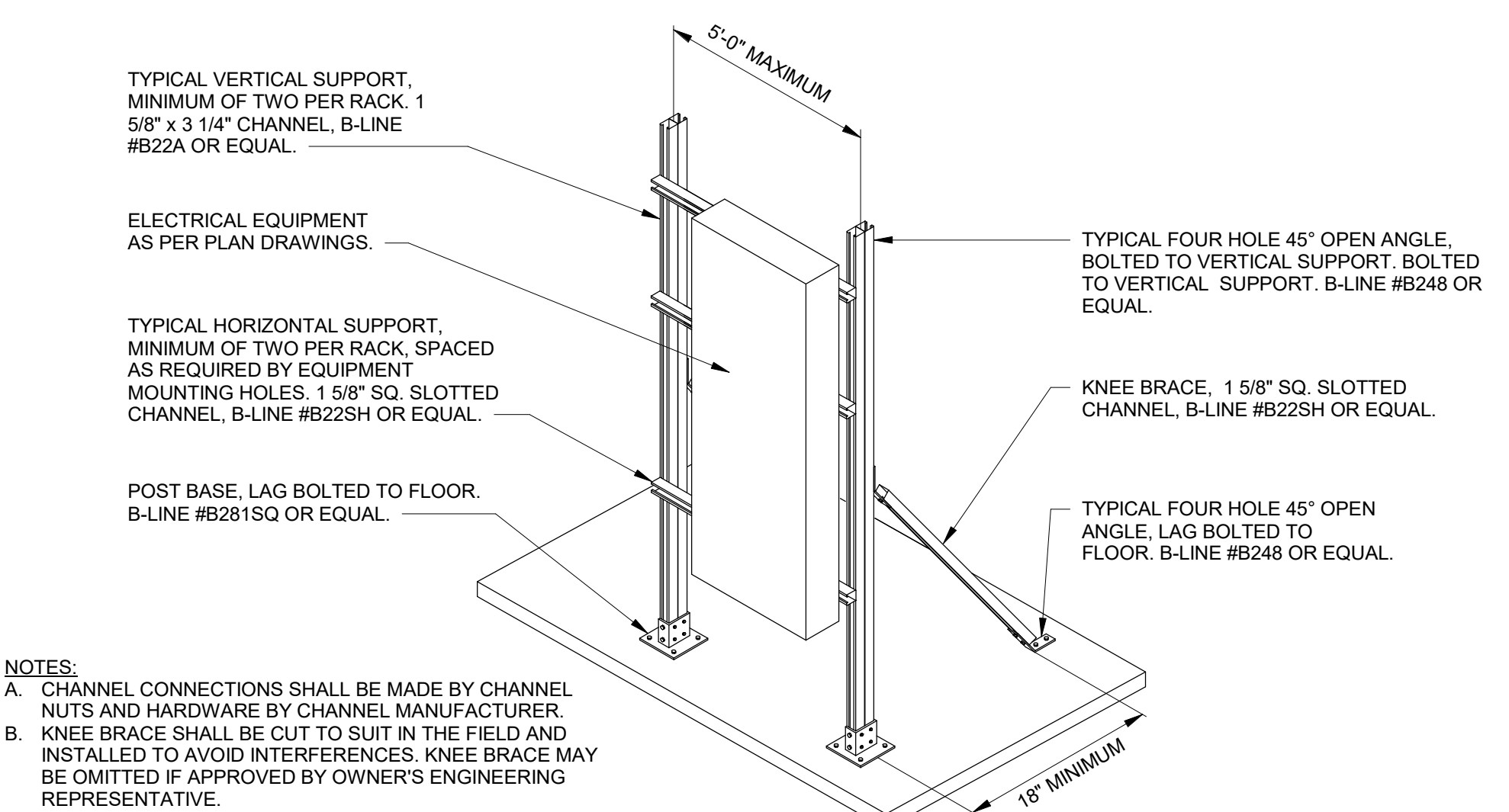
B5 MAIN GROUNDING ELECTRODE GROUND BAR DETAIL  
SCALE: NO SCALE



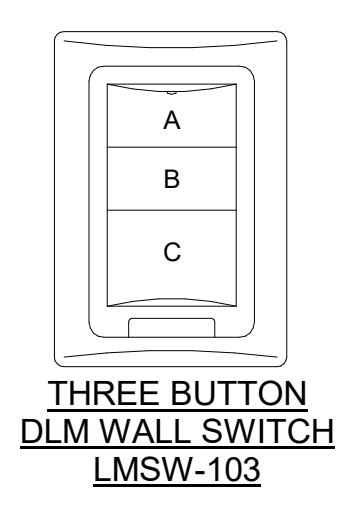
A5 LUMINAIRE SUPPORT DETAIL  
SCALE: NO SCALE



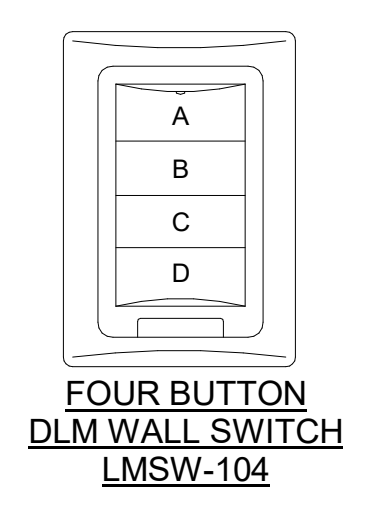
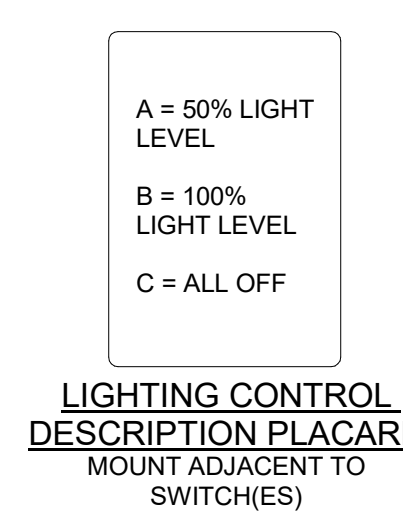
C4 POLE BASE DETAIL - BID LOT #3  
SCALE: NO SCALE



B3 UNISTRUT MOUNTED PANEL DETAIL - BID LOT #3  
SCALE: NO SCALE



A3 3-BUTTON DLM SWITCH DETAIL  
SCALE: NO SCALE



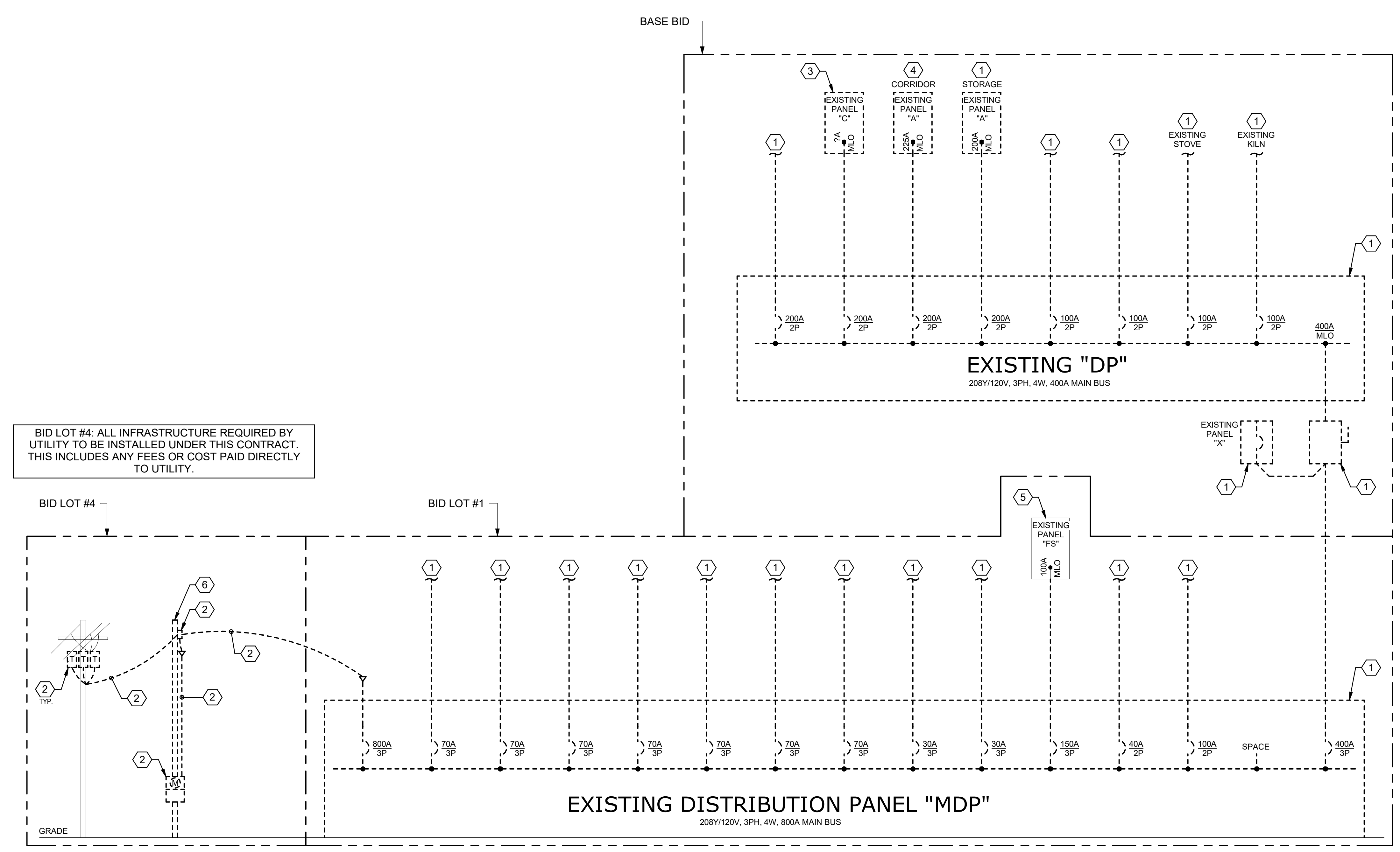
A4 4-BUTTON DLM SWITCH DETAIL  
SCALE: NO SCALE

12/10/2019 3:53:38 PM D:\Revit\2019\Projects\MEP\_PMS Brown ECC\_8022\_mjlsprick@psfa.com.rvt  
 Bridges & Paxton Project No: 8022



Portales Brown Early Childhood Center, Project #S20-008, PSCOC FUNDED

Bridges & Paxton Project No. 8022 12/10/2019 5:07:01 PM D:\Revit\2019\Projects\MEP\_PNS Brown ECC\_8022\_mjbevey@bpaoo.com.rvt



BID LOT #4: ALL INFRASTRUCTURE REQUIRED BY UTILITY TO BE INSTALLED UNDER THIS CONTRACT. THIS INCLUDES ANY FEES OR COST PAID DIRECTLY TO UTILITY.

**A2 ELECTRICAL DEMOLITION ONE-LINE DIAGRAM**  
SCALE: NO SCALE

**GENERAL SHEET NOTES**

- A. INFORMATION SHOWN IS DIAGRAMMATIC AND IS NOT INTENDED TO REPRESENT PHYSICAL ARRANGEMENTS, LOCATIONS, ROUTING OR CONNECTIONS. PHYSICAL LAYOUTS ARE TO BE PER FIELD CONDITIONS AND AS INDICATED ELSEWHERE IN THE ELECTRICAL PLANS.
- B. REFERENCE THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS REGARDING EQUIPMENT AND INSTALLATION. NOT ALL INFORMATION SHOWN ON THIS DIAGRAM.
- C. DARK AND DASHED LINES FOR FEEDERS AND ELECTRICAL EQUIPMENT TO BE REMOVED IN THEIR ENTIRETY. REFER TO ESD101 AND E-601 FOR ADDITIONAL INFORMATION FOR EXISTING ELECTRICAL EQUIPMENT THAT WILL BE REFEED FROM A DIFFERENT SOURCE. COORDINATE SWITCHOVER OF EQUIPMENT PRIOR TO REMOVAL TO ENSURE NECESSARY EQUIPMENT STAYS OPERATIONAL.

THIS PROJECT IS TO BE COMPLETED IN TWO PHASES. PHASE 1 WORK SHALL BE COMPLETED PRIOR TO COMMENCEMENT OF ANY PHASE 2 WORK. THE PHASES OF WORK ARE INDICATED ON THIS DRAWING SET AND ON ARCHITECTURAL SHEET SERIES "C". CONSULT ENGINEER WITH ANY FURTHER PHASING QUESTIONS.

**NOTE**  
ELECTRICAL CONTRACTOR MUST COMPLY WITH ALL 2017 NATIONAL ELECTRICAL / NEW MEXICO ELECTRICAL / NEW MEXICO ADMINISTRATIVE CODES

**KEYNOTES**

1. ELECTRICAL EQUIPMENT TO REMAIN DURING PHASE 1 OF CONSTRUCTION SO THAT PHASE 2 PORTION OF BUILDING WILL REMAIN OPERATIONAL. THIS ELECTRICAL EQUIPMENT AND ALL FEEDERS AND BRANCH CIRCUIT RACEWAYS WILL BE REMOVED DURING PHASE 2 OF CONSTRUCTION.
2. ELECTRICAL UTILITY TO REMAIN DURING PHASE 1 OF CONSTRUCTION SO THAT PHASE 2 PORTION OF BUILDING WILL REMAIN OPERATIONAL. THE ELECTRICAL UTILITY EQUIPMENT AND ALL DISTRIBUTION BACK TO SOURCE WILL BE REMOVED BY XCEL ENERGY DURING PHASE 2 OF CONSTRUCTION.
3. REMOVE EXISTING ELECTRICAL EQUIPMENT AND ALL FEEDERS AND BRANCH CIRCUIT RACEWAY DURING PHASE 1 OF RENOVATION.
4. AS PART OF PHASE 2 OF RENOVATION, REMOVE EXISTING PANEL AND PROVIDE PULLBOX IN ITS PLACE FOR NEW PANEL PLACEMENT. ALL EXISTING BRANCH CIRCUITS WILL REMAIN AND BE MODIFIED TO EXTEND TO NEW PANEL. FEEDER CONDUIT AND CONDUCTORS BACK TO SOURCE WILL BE REMOVED. REFER TO SHEET ES100 AND E-601 FOR ADDITIONAL INFORMATION.
5. AS PART OF PHASE 2 OF RENOVATION, ELECTRICAL EQUIPMENT TO REMAIN AS PRESENTLY INSTALLED AND TO BE REFEED FROM NEW POWER SOURCE. REFER TO SHEET ES100 AND E-601 FOR ADDITIONAL INFORMATION.
6. POLE TO REMAIN DURING PHASE 1 OF CONSTRUCTION SO THAT PHASE 2 PORTION OF BUILDING WILL REMAIN OPERATIONAL. THE POLE WILL BE REMOVED BY XCEL ENERGY DURING PHASE 2 OF CONSTRUCTION.



**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

REVISIONS

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DRAWN BY	MJL
REVIEWED BY	JMM
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

**ELECTRICAL DEMOLITION ONE-LINE DIAGRAM**



COPPER FEEDER SCHEDULE

Table with columns: DESIGNATION, CONDUCTORS, GROUND, CONDUIT. Includes sections for THREE PHASE THREE WIRE & GROUND FEEDER and THREE PHASE FOUR WIRE & GROUND FEEDER.

B1 COPPER FEEDER SCHEDULE SCALE: NO SCALE

KNOWN FAULT INFORMATION, SECOND TRANSFORMER IN SYSTEM (DRY-TYPE), FEEDER/BRANCH CIRCUIT CALCULATION, RESULT. Includes columns for Fault Point, Equipment, Source of Fault, Available Current, Voltage, PHASE, etc.

E2 FAULT CURRENT CALCULATION SCALE: NO SCALE

Table with columns: Run, Feeder or Branch Circuit Run, Type of Circuit, Voltage, Phase, Conductor Material, Length, Size, Load (Amps), Qty, Parallel Run, Load on Feeder, Resistance, Voltage Drop, % Voltage Drop, Branch.

D2 VOLTAGE DROP CALCULATION SCALE: NO SCALE

Elec. Service Calc. -PMSD Brown Early Childhood Center - Project #9022. Table with columns: Description of Load, Connected Load KVA, Demand % Multiplier, Demand Load KVA, Service % Multiplier, Service Load KVA, Notes.

D4 ELECTRICAL SERVICE CALCULATION SCALE: NO SCALE

GENERAL SHEET NOTES

- A. PANELBOARD AIC RATINGS ARE INDICATED ON THE PANEL SCHEDULES. INFORMATION SHOWN IS DIAGRAMMATIC AND IS NOT INTENDED TO REPRESENT PHYSICAL ARRANGEMENTS, LOCATIONS, ROUTING OR CONNECTIONS. PHYSICAL LAYOUTS ARE TO BE PER FIELD CONDITIONS AND AS INDICATED ELSEWHERE IN THE ELECTRICAL PLANS.

THIS PROJECT IS TO BE COMPLETED IN TWO PHASES. PHASE 1 WORK SHALL BE COMPLETED PRIOR TO COMMENCEMENT OF ANY PHASE 2 WORK. THE PHASES OF WORK ARE INDICATED ON THIS DRAWING SET AND ON ARCHITECTURAL SHEET SERIES "G". CONSULT ENGINEER WITH ANY FURTHER PHASING QUESTIONS.

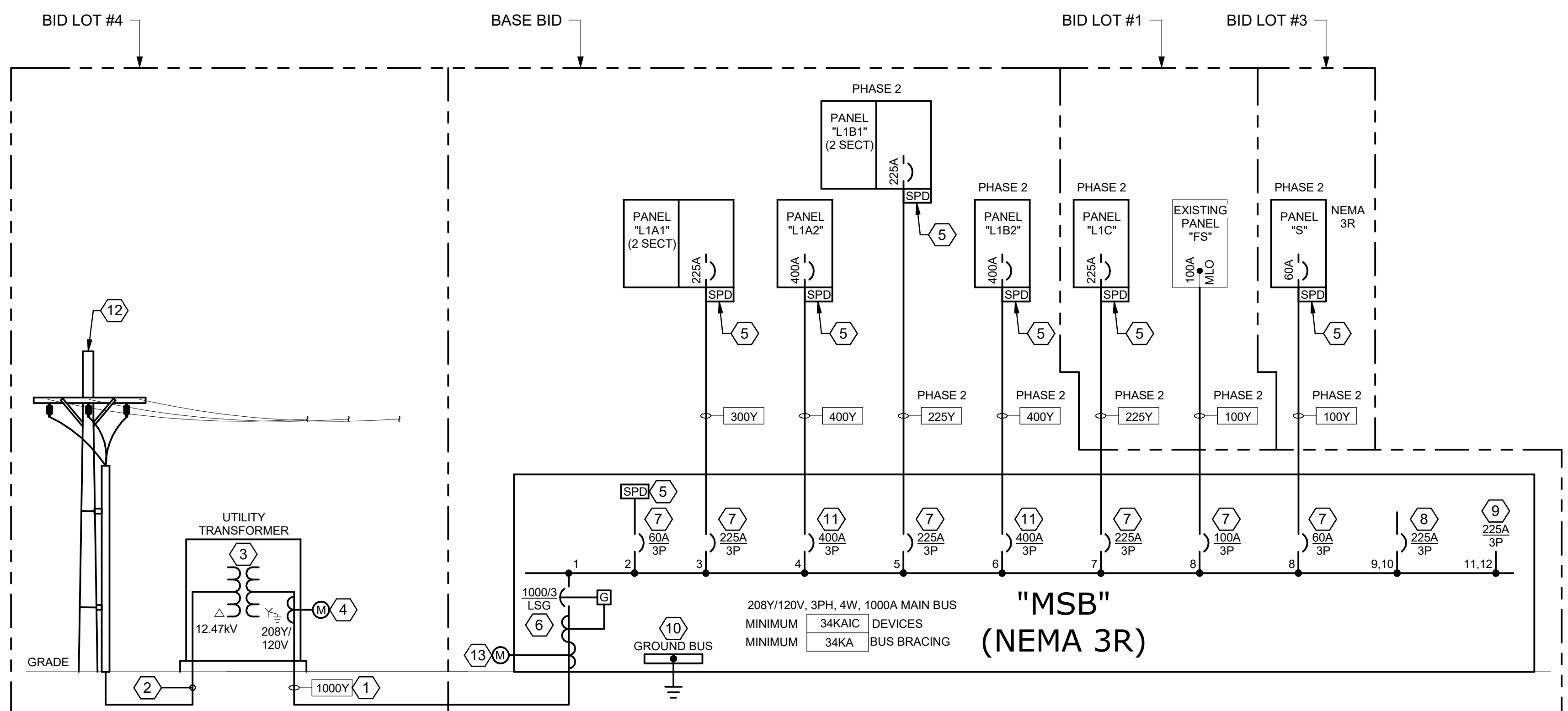
NOTE ELECTRICAL CONTRACTOR MUST COMPLY WITH ALL 2017 NATIONAL ELECTRICAL / NEW MEXICO ELECTRICAL / NEW MEXICO ADMINISTRATIVE CODES

NOTE ALL SECTIONS OF THE NEW MEXICO ELECTRICAL CODE MUST BE COMPLIED WITH

KEYNOTES

- 1. DO NOT RUN EQUIPMENT GROUND CONDUCTOR IN SERVICE LATERAL. UTILITY PRIMARY DISTRIBUTION BY XCEL ENERGY.

BID LOT #4: ALL INFRASTRUCTURE REQUIRED BY UTILITY TO BE INSTALLED UNDER THIS CONTRACT. THIS INCLUDES ANY FEES OR COST PAID DIRECTLY TO UTILITY.



A3 ELECTRICAL ONE-LINE DIAGRAM SCALE: NO SCALE

Brown Early Childhood Center Old Wing Renovation 520 W 5th St, Portales, NM 88130

CONSTRUCTION DOCUMENTS

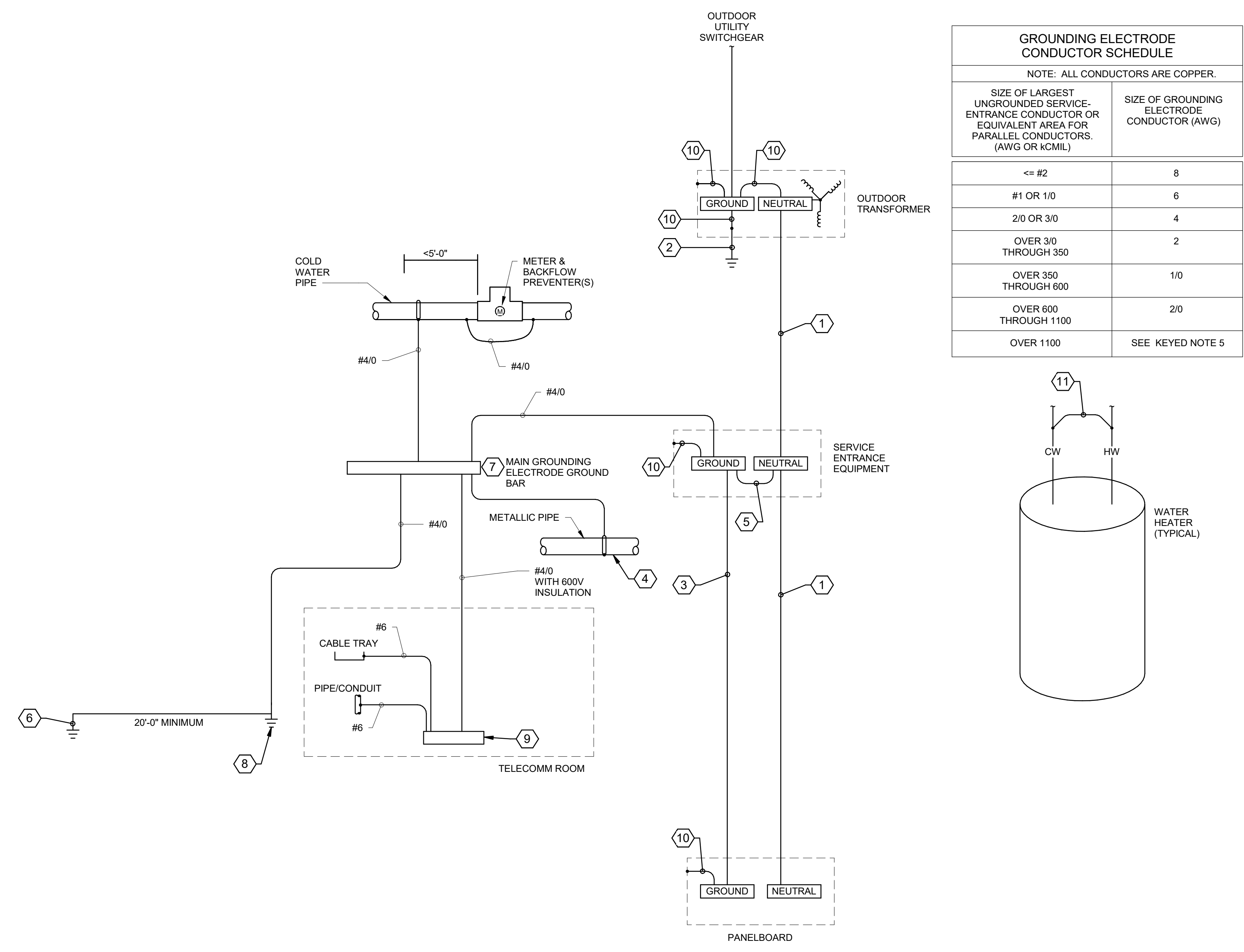
- REVISIONS: list of revision symbols (triangles).

DRAWN BY: MJL REVIEWED BY: JMM DATE: 12/10/2019 PROJECT NO: 18-0032

PSFA PRE-K PROJECT NO: K-18-011 PSFA SYSTEMS PROJECT NO: S-20-008 DRAWING NAME: ELECTRICAL ONE-LINE DIAGRAM



Portales Brown Early Childhood Center, Project #S20-008, PSCOC FUNDED



**C2** GROUNDING DIAGRAM  
SCALE: NO SCALE

**GROUNDING DIAG. GENERAL SHEET NOTES**

- INSTALL GROUNDING CONNECTIONS TO BUILDING STRUCTURE AND WATER PIPES AT LOCATIONS THAT ARE VISIBLE AND ACCESSIBLE FOR INSPECTION, MAINTENANCE, AND TESTING.
- INSTALL AN INSULATED THROAT GROUNDING BUSHING ON EACH METALLIC SERVICE ENTRANCE CONDUIT. BOND TO SERVICE ENTRANCE EQUIPMENT GROUND BUS USING NEC TABLE 250.102 (C) (1).
- INSTALL AN INSULATED THROAT GROUNDING BUSHING ON EACH METALLIC FEEDER CONDUIT. BOND TO GROUND BUS USING CONDUCTOR THAT IS SIZED EQUAL TO EQUIPMENT GROUNDING CONDUCTOR.
- BOND ELECTRICAL EQUIPMENT ENCLOSURES TO GROUND BAR USING SAME SIZE CONDUCTOR AS FEEDER EQUIPMENT GROUND CONDUCTOR OR FACTORY PROVIDED GREEN SCREW.
- CLEAN COATED RE-BAR PRIOR TO PERFORMING ELECTRICAL CONNECTIONS.

**GROUNDING DIAGRAM KEYNOTES**

- REFER TO ONE-LINE DIAGRAM AND FEEDER SCHEDULE FOR GROUNDING CONDUCTOR SIZE.
- CONNECT GROUNDING ELECTRODE CONDUCTOR TO GROUND ROD.
- FOR EQUIPMENT GROUNDING CONDUCTOR SIZE REFER TO ONE-LINE DIAGRAM AND FEEDER SCHEDULE.
- BOND ALL METALLIC PIPING SYSTEMS WITHIN STRUCTURE.
- MAIN BONDING JUMPER AND/OR SYSTEM BONDING JUMPER SIZE BASED ON UNGROUNDED CONDUCTOR SIZE AND GROUNDING ELECTRODE CONDUCTOR SCHEDULE ON THIS SHEET UNLESS UNGROUNDED CONDUCTOR SIZE OR EQUIVALENT IS GREATER THAN 1100 KCMIL. IF GREATER THAN 1100 KCMIL (OR 1750 KCMIL FOR ALUMINUM) SIZE JUMPER PER NEC TABLE 250.102 (C) (1).
- PROVIDE A GROUNDING ELECTRODE SYSTEM PER 2014 NMEC.
- PROVIDE A 14" X 4" X 1/2" MAIN GROUNDING ELECTRODE GROUND BAR FOR SINGLE POINT GROUNDING. LOCATE AT AN ACCESSIBLE POINT NEAR THE SERVICE ENTRANCE EQUIPMENT. MAKE OTHER CONNECTIONS TO THE GROUND BAR USING TWO-HOLE COMPRESSION SPADE LUGS THAT MEET IEEE 837 REQUIREMENTS. LABEL EACH CONNECTION.
- PROVIDE A GROUND ROD PER NEC 250.52 A.5.
- INSTALL A 1/4" X 4" COPPER TELECOMMUNICATIONS GROUNDING BUSBAR IN EACH TELECOMMUNICATIONS ROOM. CONNECT CABLES TO THE TELECOMMUNICATIONS GROUNDING BUSBAR USING COMPRESSION SPADE LUGS. LABEL CONDUCTORS PER ANSI-J-STD-607-A. LABEL EACH CONNECTION. SEE PLAN FOR BAR LENGTHS AND LOCATIONS.
- BONDING JUMPER SIZED PER GROUNDING ELECTRODE CONDUCTOR SCHEDULE THIS SHEET.
- BOND HOT WATER PIPE TO COLD WATER PIPE AT EACH WATER HEATER WITH A #8 BARE COPPER CONDUCTOR.

**NOTE**  
ALL SECTIONS OF THE  
NEW MEXICO ELECTRICAL CODE MUST  
BE COMPLIED WITH

**NOTE**  
ELECTRICAL CONTRACTOR MUST COMPLY WITH ALL  
2017 NATIONAL ELECTRICAL / NEW MEXICO  
ELECTRICAL / NEW MEXICO ADMINISTRATIVE CODES

**FIRE ALARM DIAG. GENERAL SHEET NOTES**

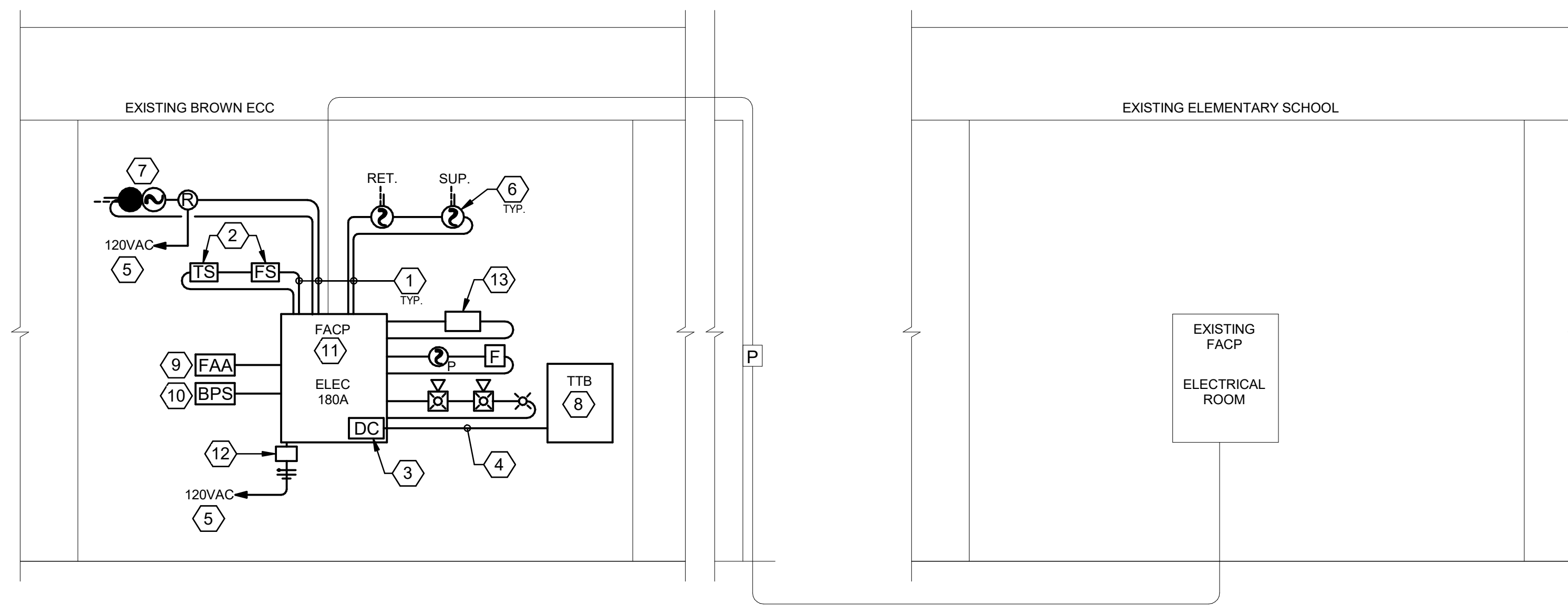
- FIRE ALARM DIAGRAM INDICATES GENERAL DIAGRAMMATIC CONNECTIONS ONLY. ALL CONNECTIONS AND INSTALLATION WILL BE PER FIRE ALARM SYSTEM MANUFACTURER'S SHOP DRAWINGS.
- DEVICE QUANTITIES ARE NOT INDICATED ON THIS DRAWING. REFER TO FLOOR PLANS FOR QUANTITIES AND LOCATIONS.
- REFER TO SPECIFICATION SECTION 283100 FOR FIRE ALARM SYSTEM REQUIREMENTS.
- FIRE ALARM WIRING AND CABLING SHALL BE IN CONFORMANCE WITH NEC AND TYPE SHALL BE AS RECOMMENDED BY FIRE ALARM SYSTEM MANUFACTURER.
- SEAL ALL PENETRATIONS THROUGH WALLS, FLOOR, CEILING AND ROOF PER ARCHITECTURAL SPECIFIED REQUIREMENTS. SEAL WILL MATCH THE FIRE RATING OF EACH PENETRATION LOCATION.

IT IS THE INTENT OF THESE DOCUMENTS TO SHOW A BASIC REPRESENTATION OF THE FIRE ALARM SYSTEM. DEVICES INDICATED ON THESE DOCUMENTS ARE IN NO WAY IMPLIED TO BE COMPREHENSIVE OF THE FINAL DESIGN. IT IS THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR TO PROVIDE A DESIGN/BUILD FIRE ALARM SYSTEM BASED UPON A THOROUGH REVIEW OF ALL CONTRACT DOCUMENTS. IT IS THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR TO ENSURE THAT THE FIRE ALARM SYSTEM IS CODE COMPLIANT, MEETS THE REQUIREMENTS OF THE AHJ AND COMPREHENSIVELY COVERS AND INCLUDES ALL NECESSARY PARTS AND LABOR ASSOCIATED WITH OTHER TRADES AND SYSTEMS IMPACTING THE FIRE ALARM SYSTEM. NO CHANGE ORDERS SHALL BE APPROVED FOR THE BASE SCOPE OF WORK.

ENTIRE FIRE ALARM SYSTEM WILL BE IN RACEWAYS; NO EXCEPTIONS!

**FIRE ALARM DIAGRAM KEYNOTES**

- MINIMUM 3/4" CONDUIT AND FIRE ALARM CABLING AS REQUIRED BY THE FIRE ALARM MANUFACTURER.
- INDEPENDENTLY SUPERVISE EACH FLOW AND TAMPER SWITCH WITH AN ADDRESSABLE MODULE. REFER TO FIRE PROTECTION PLANS FOR EACH LOCATION.
- DIGITAL COMMUNICATOR FOR CENTRAL STATION MONITORING.
- CONDUIT AND COMMUNICATIONS CABLING FOR CENTRAL STATION REPORTING.
- REFER TO SHEET SERIES "EP" FOR CIRCUITS SERVING THIS SYSTEM.
- DUCT SMOKE DETECTOR, FURNISHED BY DIVISION 28, INSTALLED IN DUCT WITH DIVISION 23, CONNECTED, WIRED AND TESTED BY DIVISION 28. REFERENCE MECHANICAL CONTROL DIAGRAMS FOR MECHANICAL INTERCONNECTIONS. PROVIDE DUCT DETECTORS IN NEW AND EXISTING UNITS WHERE 200CFM AND ABOVE EXIST. INSTALL PER CODE.
- FIRE SMOKE DAMPER, ROUTE 120VAC VIA FIRE ALARM ADDRESSABLE RELAY.
- TELEPHONE TERMINAL BOARD.
- PROVIDE NEW ANNUNCIATOR PANEL IN VESTIBULE 100A AND RECEPTION 139 OR AS DIRECTED BY FIRE MARSHALL. FIELD COORDINATE EXACT LOCATION.
- WHERE POWER SUPPLIES ARE INSTALLED OUTSIDE OF FAC/FAC/FAC, CONTRACTOR WILL PROVIDE 120V/20A POWER CIRCUIT TO UNITS FROM NEAREST PANEL. CONTRACTOR TO COORDINATE THIS REQUIREMENT WITH FIRE ALARM INSTALLER AT TIME OF SUBMITTALS TO VERIFY NEED.
- FIRE ALARM SYSTEM A.C.P.
- PROVIDE SURGE PROTECTION FOR CIRCUIT TO FIRE ALARM PANEL.
- P.V. LOCATIONS AND/OR HOT BOX LOCATIONS.



**A3** FIRE ALARM RISER DIAGRAM - BID LOT #1  
SCALE: NO SCALE

**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

- REVISIONS
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DRAWN BY	MJL
REVIEWED BY	JMM
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

**GROUNDING & FIRE ALARM RISER DIAGRAMS**



**ELECTRICAL CONNECTIONS FOR MECHANICAL EQUIPMENT SCHEDULE NOTES:**  
 A. STARTER, CONTROL SYSTEM AND DISCONNECTING MEANS FOR UNIT WILL BE PROVIDED BY DIVISION 23. CONTRACTOR WILL HAVE ONE POINT OF ELECTRICAL CONNECTION, FOR VFD OR CONTROL EQUIPMENT INFORMATION, REFER TO SHEET SERIES M-700.  
 B. RACEWAY SYSTEM AND CONDUCTORS FOR CONTROLS WILL BE PROVIDED BY DIVISION 26 UNLESS SPECIFICALLY CALLED OUT TO BE PROVIDED BY OTHER SECTIONS OF THESE DOCUMENTS. REFER TO SHEET SERIES "M" FOR CONTROL DIAGRAMS AND ALSO REFER TO SPECIFICATION SECTION 230549.  
 C. SIZE FUSES PER MANUFACTURER'S RECOMMENDATIONS OR A MINIMUM OF 1.25% OF UNIT FLA.  
 D. STARTER, CONTROL SYSTEM FOR UNIT WILL BE PROVIDED BY DIVISION 23. CONTRACTOR WILL PROVIDE DISCONNECTING MEANS AND HAVE ONE POINT OF ELECTRICAL CONNECTION, FOR CONTROL EQUIPMENT INFORMATION, REFER TO SHEET SERIES M-700.  
 E. CONTRACTOR WILL HAVE DIV 28 PROVIDE DUCT DETECTORS FOR UNIT'S SUPPLY AND RETURN SECTIONS AS REQUIRED BY DIVISION 23. DIVISION 23 WILL INSTALL.

**ELECTRICAL CONNECTIONS FOR MECHANICAL EQUIPMENT SCHEDULE**

EQUIPMENT NUMBER	EQUIPMENT DESCRIPTION	VOLTAGE	PHASE	BRANCH CIRCUIT CONDUCTOR DESCRIPTION	CONDUIT SIZE	MOTOR STARTER CHARACTERISTICS					DISCONNECT SWITCH CHARACTERISTICS					KEY NOTE	
						STARTER TYPE	STARTER SIZE	OFF/AUTO OR HOA	PILOT LIGHT	EXTRA CONTACTS	VOLTS	FRAME AMPS	FUSE SIZE	SOLID NEUT. / GND LUG	NEMA RATING		
BID LOT #1	CU-1/FC-1	SPLIT SYSTEM	208 V	1	3#10 & 1#10 GND.	3/4"											B,D
BASE BID	RTU-1	ROOFTOP UNIT	208 V	3	4#10 & 1#10 GND.	3/4"											A,B
	RTU-2	ROOFTOP UNIT	208 V	3	4#10 & 1#10 GND.	3/4"											A,B
	RTU-3	ROOFTOP UNIT	208 V	3	4#10 & 1#10 GND.	3/4"											A,B
	RTU-4	ROOFTOP UNIT	208 V	3	4#8 & 1#10 GND.	3/4"											A,B
	RTU-5	ROOFTOP UNIT	208 V	3	4#8 & 1#10 GND.	3/4"											A,B
	RTU-6	ROOFTOP UNIT	208 V	3	4#8 & 1#10 GND.	3/4"											A,B
	RTU-7	ROOFTOP UNIT	208 V	3	4#8 & 1#10 GND.	3/4"											A,B
	RTU-8	ROOFTOP UNIT	208 V	3	4#10 & 1#10 GND.	3/4"											A,B
	RTU-9	ROOFTOP UNIT	208 V	3	4#8 & 1#10 GND.	3/4"											A,B
	RTU-10	ROOFTOP UNIT	208 V	3	4#8 & 1#10 GND.	3/4"											A,B
	RTU-11	ROOFTOP UNIT	208 V	3	4#8 & 1#10 GND.	3/4"											A,B,E
	RTU-12	ROOFTOP UNIT	208 V	3	4#8 & 1#10 GND.	3/4"											A,B
	RTU-13	ROOFTOP UNIT	208 V	3	4#10 & 1#10 GND.	3/4"											A,B
	RTU-14	ROOFTOP UNIT	208 V	3	4#8 & 1#10 GND.	3/4"											A,B,E
	RTU-15	ROOFTOP UNIT	208 V	3	4#8 & 1#10 GND.	3/4"											A,B,E
	RTU-16	ROOFTOP UNIT	208 V	3	4#8 & 1#10 GND.	3/4"											A,B
	RTU-17	ROOFTOP UNIT	208 V	3	4#8 & 1#10 GND.	3/4"											A,B,E
	RTU-18	ROOFTOP UNIT	208 V	3	4#10 & 1#10 GND.	3/4"											A,B
UH-1	UNIT HEATER	208 V	1	4#8 & 1#10 GND.	3/4"											B,D	

**LUMINAIRE SCHEDULE NOTES:**  
 1. MANUFACTURER'S CATALOG NUMBERS REPRESENT MANUFACTURER SERIES. SHOP DRAWING SUBMITTALS WILL INCLUDE ALL PART NUMBERS REPRESENTING ALL ITEMS OF THIS LUMINAIRE SCHEDULE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ORDER LUMINAIRES TO INCLUDE ALL PARTS INDICATED ON SCHEDULE FOR EACH LUMINAIRE. SUBMITTAL WILL CALL OUT EACH PART CLEARLY.  
 2. LUMINAIRE REQUIRES MOUNTING COORDINATION WITH ARCHITECT PRIOR TO COMMENCEMENT OF ANY WORK. THIS LUMINAIRE MAY REQUIRE A HIGHER OR LOWER MOUNTING FROM THAT PROVIDED ON THIS SCHEDULE OR NOTES ON PLAN DUE TO ARCHITECTURAL REQUIREMENTS OR CONSTRUCTION CONDITIONS.  
 3. ALL LUMINAIRES ON THIS LUMINAIRE SCHEDULE ARE APPROVED FOR BID ON THIS PROJECT. IF A LUMINAIRE IS SUBMITTED THAT IS NOT ON THIS SCHEDULE, IT WILL BE REJECTED.  
 4. SHOULD ANY LUMINAIRE BE NOT AVAILABLE AT TIME OF SUBMITTAL, CONTRACTOR WILL USE ONE OF THE OTHER LUMINAIRES INDICATED IN EACH TYPE FOR REPLACEMENT. NO OTHERS WILL BE ACCEPTED.

**ELECTRICAL LUMINAIRE SCHEDULE**

TYPE	DESCRIPTION	VOLTS	MOUNTING	LAMPS	BALLAST TYPE	EM. BAT. PK.	LENS	MANUFACTURER / MODEL	NOTES
A2	2 x 2' ARCHITECTURAL LED HIGH ENERGY EFFICIENT LUMINAIRE, RECESSED, LOW PROFILE.	120	RECESSED T-BAR	LED, 3500K, 34 MAX WATTS, 3400 MINIMUM DELIVERED LUMENS	LED DRIVER 0-10V DIMMING	NONE	WHITE ACRYLIC	METALUX #22FP2325C DAY-BRITE #2-FXP-36L-335-2-DS-UNV-DIM CREE #FP22-34L-35K-10V LITHONIA #EPANL 2X2-3400LM-80CRI-35K-MIN10-ZT-MVOLT	1.3,4
A2H	2 x 2' ARCHITECTURAL LED HIGH ENERGY EFFICIENT LUMINAIRE, RECESSED, LOW PROFILE.	120	RECESSED T-BAR	LED, 3500K, 50 MAX WATTS, 4500 MINIMUM DELIVERED LUMENS	LED DRIVER 0-10V DIMMING	NONE	WHITE ACRYLIC	METALUX #22FP4235C DAY-BRITE #2-FXP-45L-435-2-DS-UNV-DIM CREE #FP22-50L-35K-10V LITHONIA #EPANL 2X2-4600LM-80CRI-35K-MIN10-ZT-MVOLT	1.3,4
B	4' GENERAL PURPOSE LED STRIP FIXTURE, DIE FORMED STEEL HOUSING, BAKED WHITE ENAMEL FINISH, WITH DIFFUSING LENS.	120	WALL MOUNTED AT 8'-0" AFF OR SURFACE CEILING OR BOTTOM OF JOISTS IF 12'-0" AFF OR LOWER. IF CEILING OR STRUCTURE IS HIGHER THAN 12'-0", ROD MOUNT SO BOTTOM OF FIXTURE IS AT 10'-0"	LED, 3500K, 57 MAX WATTS, 4700 MINIMUM DELIVERED LUMENS	LED DRIVER	NONE	FROSTED ACRYLIC	METALUX #4SNLED-LD5-47SL-LW-UNV-L835-CD1-U DAY-BRITE #F33-4-55L-335-UNV-DIM COLUMBIA #LCL4-35-ML-EDU LITHONIA #ZLN-L48-5000LM-FST-MVOLT-35K 80CRI-WH	1.2,3,4
C6	6" ROUND ARCHITECTURAL LED DOWN LIGHT, HIGH ENERGY EFFICIENT.	120	RECESSED CEILING	LED, 3500K, 26 MAX WATTS, 1400 MINIMUM DELIVERED LUMENS	LED DRIVER 0-10V DIMMING	NONE	FROSTED GLASS LENS	HALO #HC6-15-D010-HM6-835-61-WD-H LIGHTOLIER #6RN-P6R-DL-15-835-CD-Z10-U SPECTRUM #REBLEDOS-24-35K-DS10-2-BH27-AR62230S-SG-FG LITHONIA #LONR-36154-06-AR-L-SS-MVOLT-15Z10	1.2,4
CSE	13" DIAMETER SURFACE MOUNTED DAMP RATED DOWNLIGHT WITH INTEGRAL PHOTOCELL AND BATTERY BACKUP.	120	SURFACE	LED, 4000K, 27 MAX WATTS, 1800 MINIMUM DELIVERED LUMENS	LED DRIVER 0-10V DIMMING	INTEGRAL BATTERY	PEARLESCENT POLYCARBONATE	FAIL-SAFE #TRB11-LD4-20W-40-CL-XX-120V-ED-C1-PB120V/CS7G-EL5W/CS7G EQUIPSE #LW-S-20W-4K-EBU-XX-0326-X-EL10V KENALL #MR13FPL-PP-XX-20L40K-DV-LEL-SA-BPC-SA	1.3,4
E1	LED EXIT SIGN, EMERGENCY, DIE CAST ALUMINUM HOUSING WITH GREEN CHARACTERS, BLACK HOUSING AND BRUSHED ALUMINUM FACE (SINGLE FACE AND DIRECTIONAL ARROWS AS INDICATED ON LIGHTING PLANS), MEETS UL LISTINGS FOR THIS TYPE OF LUMINAIRE WITH SELF-CONTAINED, NICKEL-CADMIUM EMERGENCY BATTERY PACK.	120	SURFACE CEILING OR WALL AT 8'-0" AFF UNLESS OTHERWISE NOTED ON LIGHTING PLANS.	GREEN LED, 3 MAX WATTS	LED DRIVER	NICKEL CADMIUM PER MFG.	BRUSHED ALUMINUM FACE	SURE-LITES #CX7-1-G EVENLITE #CDS-EM-G-1-AB DUALITE #SE-S-G-BNE LITHONIA #LE-S-1-G-ELN	1.2,3,4
EM	CONTEMPORARY, LOW PROFILE EMERGENCY BATTERY PACK FIXTURE WITH AN INJECTED MOLDED, HIGH IMPACT, UV STABILIZED THERMOPLASTIC WHITE HOUSING, 6 V LEAD CALCIUM BATTERY, ADA COMPLIANT, ADJUSTABLE LAMP SOCKETS, SHORT CIRCUIT AND BROWNOUT PROTECTION.	120	SURFACE 7'-6" AFF UNLESS OTHERWISE NOTED ON LIGHTING PLANS.	(2) TWO LED, 4 MAX WATTS	LED DRIVER	NICKEL CADMIUM PER MFG.	ACRYLIC FRESNAL	SURELITE #LEM2 EVENLITE #TCL-2-W DUALITE #E-V2 LITHONIA #ELM2-LED	1.2,3,4
EMC	CONTEMPORARY, LOW PROFILE EMERGENCY BATTERY PACK FIXTURE WITH AN INJECTED MOLDED, HIGH IMPACT, UV STABILIZED THERMOPLASTIC WHITE HOUSING, 6 V LEAD CALCIUM BATTERY, ADA COMPLIANT, ADJUSTABLE LAMP SOCKETS, SHORT CIRCUIT AND BROWNOUT PROTECTION.	120	CEILING SURFACE	(2) TWO LED, 4 MAX WATTS	LED DRIVER	NICKEL CADMIUM PER MFG.	ACRYLIC FRESNAL	SIGNIFY #CLUR3-A-NW DUAL LITE #EV4-R	1.2,3,4
FE	SLIM, LOW PROFILE, FULLY GASKETED DIE CAST ENCLOSURE, IP65 WET LOCATION RATED, HIGH IMPACT UV RESISTANT POLYCARBONATE LENS, FULL CUT OFF, INTEGRAL PHOTOCELL AND BATTERY BACKUP. COORDINATE FINISH COLOR WITH ARCHITECT AT SUBMITTAL OF LUMINAIRES.	120	EXTERIOR WALL SURFACE MOUNT AT 9'-0" AFF.	LED, 4000K, 36 MAX WATTS, 2900 MINIMUM DELIVERED LUMENS	LED DRIVER	INTEGRAL UL924 NiCAD BATTERY	IMPACT RESISTANT UV RESISTANT POLYCARBONATE	LUMARK #XTOR6B-W-XX-PC1-CBP + LVS RTS 0-10 50 (50W - 2900 LUMENS) HE WILLIAMS #WPA-VL30-7-4D-TFT-XXX-SDGL-EM4W-PC-DIM-UNV TRACELITE #WZ2-4-XXX-BB-PC LITHONIA #WDGE2 LED-P3-40K-80CRI-W-MVOLT-SRM-E10WH-PE-XXX	1.2,3,4
S4	SINGLE MOUNT ARCHITECTURAL AREA LIGHT, TYPE IV OPTICS WITH PHOTOCELL, COORDINATE FINISH COLOR WITH ARCHITECT AT SUBMITTAL OF LUMINAIRES.	120	12'-0" HIGH, 4" DIAMETER ROUND STEEL POLE	LED, 4000K, 115 MAX WATTS, 11,000 MINIMUM DELIVERED LUMENS	LED DRIVER	NONE	CLEAR ACRYLIC	U.S. ARCH LTG #VLL-LED-PIED-IV-40LED-700mA-120-NW-1-RAL-XXXX-T-PC120V GARDCO #SFA-48L-700-NW-G2-AR-4-120-PCB-XX HUBBELL #ASL-A-16L-4K-210-4-1-XXX-7PR-PTL-1 LITHONIA #RSX1 LED-P3-40K-R4-MVOLT-RPA-PE-XXX	1.3,4
S4D	DUAL MOUNT ARCHITECTURAL AREA LIGHT, TYPE IV OPTICS WITH PHOTOCELL, COORDINATE FINISH COLOR WITH ARCHITECT AT SUBMITTAL OF LUMINAIRES.	120	12'-0" HIGH, 4" DIAMETER ROUND STEEL POLE	LED, 4000K, 230 MAX WATTS TOTAL, 11,000 MINIMUM DELIVERED LUMENS PER HEAD	LED DRIVER	NONE	CLEAR ACRYLIC	U.S. ARCH LTG #2VLL-LED-PIED-IV-40LED-700mA-120-NW-2-180-RAL-XXXX-T-PC120V GARDCO #2SFA-48L-700-NW-G2-AR-4-120-PCB-XX HUBBELL #2ASL-A-16L-4K-210-4-1-XXX-7PR-PTL-1 LITHONIA #2RSX1 LED-P3-40K-R4-MVOLT-RPA-PE-XXX	1.3,4
S4H	SINGLE MOUNT ARCHITECTURAL AREA LIGHT, TYPE IV OPTICS WITH PHOTOCELL AND HOUSE SIDE SHIELD. COORDINATE FINISH COLOR WITH ARCHITECT AT SUBMITTAL OF LUMINAIRES.	120	12'-0" HIGH, 4" DIAMETER ROUND STEEL POLE	LED, 4000K, 115 MAX WATTS, 11,000 MINIMUM DELIVERED LUMENS	LED DRIVER	NONE	CLEAR ACRYLIC	U.S. ARCH LTG #VLL-LED-PIED-IV-40LED-700mA-120-NW-1-RAL-XXXX-T-HS-PIED-PC120V GARDCO #SFA-48L-700-NW-G2-AR-4-120-PCB-XX HUBBELL #ASL-A-16L-4K-210-4-1-XXX-7PR-PTL-1 LITHONIA #RSX1 LED-P3-40K-R4-MVOLT-RPA-HS-PE-XXX	1.3,4

REVISIONS

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DRAWN BY: MJL  
 REVIEWED BY: JMM  
 DATE: 12/10/2019  
 PROJECT NO: 18-0032  
 PSFA PRE-K PROJECT NO: K-18-011  
 PSFA SYSTEMS PROJECT NO: S-20-008  
 DRAWING NAME: ELECTRICAL SCHEDULES

ELEC CONN FOR MECH EQUIP SCHED  
 ELEC LUM SCHED  
 KEY PLAN N.T.S.



### Branch Panel: L1A1

Location: Space 130B  
Supply From: MSB  
Mounting: Surface  
Enclosure: Type 1

Volts: 120/208 Wye  
Phases: 3  
Wires: 4  
Spaces: 84

MINIMUM A.I.C. Rating: 10,000  
Mains Type: MCB  
Mains Rating: 225 A  
MCB Rating: 225 A

Notes: 1) PROVIDE RED BREAKER BLOCK AT CIRCUIT BREAKER 42 FOR FACP. 2) CIRCUIT BREAKERS 81 AND 83 WILL BE GFCI TYPE.

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	LTG VEST 100A, CORRIDORS 101A/101B	20 A	1	694 VA	720 VA				REC CLASSROOM 104	2	
3	LTG CLASSROOM 104	20 A	1		560 VA	900 VA			REC CLASSROOM 104, RR 104A	4	
5	LTG CLASSROOM 103	20 A	1			560 VA	720 VA		REC CLASSROOM 103	6	
7	LTG CLASSROOM 102	20 A	1	557 VA	900 VA				REC CLASSROOM 103, RR 103A	8	
9	LTG CLASSROOM 112	20 A	1		560 VA	720 VA			REC CLASSROOM 102	10	
11	LTG CLASSROOM 132	20 A	1			560 VA	900 VA		REC CLASSROOM 102, RR 102A	12	
13	LTG RR 102A/103A/104A, MTR CEF-1/2/3	20 A	1	114 VA	720 VA				REC CLASSROOM 112	14	
15	LTG RR 112A/132A, MTR CEF-4/5	20 A	1		76 VA	900 VA			REC CLASSROOM 112, RR 112A	16	
17	LTG RR 110A/111A/135A, MTR CEF-13/14/15	20 A	1			140 VA	720 VA		REC CLASSROOM 132	18	
19	LTG CLASSROOM 111	20 A	1	560 VA	900 VA				REC CLASSROOM 132, RR 130C	20	
21	LTG CLASSROOM 110	20 A	1		560 VA	800 VA			NC CLASSROOM 112/132 SHORT THROW PROJECTORS	22	
23	LTG GIRLS 105, CHASE 106, BOYS 107, FIRE 108, SPED 109, ELEC	20 A	1			573 VA	800 VA		NC CLASSROOM 102/103 SHORT THROW PROJECTORS	24	
25	LTG IEP CONF. 133, IT ROOM 134, NURSE 135	20 A	1	633 VA	400 VA				NC CLASSROOM 104 SHORT THROW PROJECTOR	26	
27	LTG HALL 136, ASST. PRINC. 137, PRINC. 138, RECEPTION 139	20 A	1		748 VA	720 VA			REC CLASSROOM 111	28	
29	NC ELEC 180A RELAY PANEL	20 A	1			200 VA	900 VA		REC CLASSROOM 111, RR 111A	30	
31	LTG-EXT	20 A	1	711 VA	720 VA				REC CLASSROOM 110	32	
33	LTG VEST 100A, CORRIDORS 101A/101B, RECEP 139 NIGHT...	20 A	1		306 VA	900 VA			REC CLASSROOM 110, RR 110A	34	
35	SPARE	20 A	1			0 VA	800 VA		NC CLASSROOM 110/111 SHORT THROW PROJECTORS	36	
37	SPARE	20 A	1	0 VA	900 VA				REC ROOF	38	
39	SPARE	20 A	1		0 VA	900 VA			REC ROOF	40	
41	SPARE	20 A	1			0 VA	200 VA		NC RECEPTION 139 FACP	42	
43	NC VEST 100A/CORR 101D DOOR HARDWARE	20 A	1	300 VA	1080 VA				REC SPECIAL EDUCATION 109	44	
45	REC EXTERIOR	20 A	1		900 VA	400 VA			NC SPECIAL EDUCATION 109 SHORT THROW PROJECTOR	46	
47	REC EXTERIOR	20 A	1			900 VA	900 VA		REC GIRLS 105, CHASE 106, BOYS 107, FIRE 108, ELEC 180A	48	
49	SPARE	20 A	1	0 VA	1080 VA				REC CORR 101A/101B	50	
51	SPARE	20 A	1		0 VA	900 VA			REC RECEPTION 139	52	
53	SPARE	20 A	1			0 VA	1500 VA		NC RECEPTION 139 COPIER	54	
55	SPARE	20 A	1	0 VA	1080 VA				REC IEP REFERENCE 133	56	
57	SPARE	20 A	1		0 VA	500 VA			NC IEP CONFERENCE 133 TV	58	
59	SPARE	20 A	1	0 VA		0 VA	900 VA		REC NURSE 135, RR 135A	60	
61	SPARE	20 A	1	0 VA	500 VA				NC NURSE 135 ABOVE COUNTER	62	
63	SPARE	20 A	1		0 VA	500 VA			NC NURSE 135 U/C REFRIGERATOR	64	
65	SPARE	20 A	1			0 VA	500 VA		NC NURSE 135 CHANGING TABLE	66	
67	SPARE	20 A	1	0 VA	1080 VA				REC HALL 136, ASST. PRINC. 137	68	
69	SPARE	20 A	1		0 VA	900 VA			REC PRINCIPAL 138	70	
71	SPARE	20 A	1			0 VA	500 VA		NC IT ROOM 134 RACK	72	
73	SPARE	20 A	1	0 VA	500 VA				NC IT ROOM 134 RACK	74	
75	SPARE	20 A	1		0 VA	500 VA			NC IT ROOM 134	76	
77	SPARE	20 A	1			0 VA	500 VA		NC IT ROOM 134	78	
79	SPARE	20 A	1	0 VA	1000 VA				MTR FIRE RISER 108 DHW-1/LP-1	80	
81	NC HOT BOX	20 A	1		1500 VA	264 VA			MTR EF-1	82	
83	NC HOT BOX	20 A	1			1500 VA	528 VA		MTR EF-3 (ROOF)	84	
				<b>Total Load:</b>	15149 VA	15014 VA	14881 VA				
				<b>Total Amps:</b>	127 A	123 A	123 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
NC	12400 VA	100.00%	12400 VA	19550 VA
MTR	1888 VA	100.00%	1888 VA	360 VA
REC	22860 VA	71.87%	16430 VA	23400 VA
LTG	7105 VA	125.00%	8881 VA	684 VA
LTG-EXT	711 VA	125.00%	889 VA	702 VA
				<b>Total Conn. Load:</b> 44964 VA
				<b>Total Est. Demand:</b> 40488 VA
				<b>Total Conn. Current:</b> 125 A
				<b>Total Est. Demand Current:</b> 112 A

### Branch Panel: L1A2

Location: Space 130B  
Supply From: MSB  
Mounting: Surface  
Enclosure: Type 1

Volts: 120/208 Wye  
Phases: 3  
Wires: 4  
Spaces: 42

MINIMUM A.I.C. Rating: 10,000  
Mains Type: MCB  
Mains Rating: 400 A  
MCB Rating: 400 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	MTR RTU-1 (ROOF)	30 A	3	2304 VA	2304 VA				MTR RTU-2 (ROOF)	2	
3	--	--	--		2304 VA	2304 VA			--	4	
5	--	--	--			2304 VA	2304 VA		--	6	
7	MTR RTU-3 (ROOF)	30 A	3	2304 VA	2304 VA				MTR RTU-4 (ROOF)	8	
9	--	--	--		2304 VA	2304 VA			--	10	
11	--	--	--			2304 VA	2304 VA		--	12	
13	MTR RTU-5 (ROOF)	40 A	3	2592 VA	2304 VA				MTR RTU-18 (ROOF)	14	
15	--	--	--		2592 VA	2304 VA			--	16	
17	--	--	--			2592 VA	2304 VA		--	18	
19	MTR RTU-17 (ROOF)	45 A	3	2976 VA	2304 VA				MTR RTU-13 (ROOF)	20	
21	--	--	--		2976 VA	2304 VA			--	22	
23	--	--	--			2976 VA	2304 VA		--	24	
25	MTR RTU-16 (ROOF)	40 A	3	2592 VA	2304 VA				MTR RTU-12 (ROOF)	26	
27	--	--	--		2592 VA	2304 VA			--	28	
29	--	--	--			2592 VA	2304 VA		--	30	
31	MTR CU-1 (ROOF)	15 A	2	1144 VA	0 VA				SPARE	32	
33	--	--	--		1144 VA	0 VA			--	34	
35	MTR FIRE RISER 108 UH-1	35 A	2			2507 VA	0 VA		--	36	
37	--	--	--			2507 VA	0 VA		SPACE ONLY	38	
39	SPARE	20 A	1		0 VA	0 VA			SPACE ONLY	40	
41	SPARE	20 A	1			0 VA	0 VA		SPACE ONLY	42	
				<b>Total Load:</b>	27939 VA	25432 VA	26795 VA				
				<b>Total Amps:</b>	235 A	212 A	225 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
MTR	80165 VA	100.00%	80165 VA	55296 VA
LM				10880 VA
				<b>Total Conn. Load:</b> 80165 VA
				<b>Total Est. Demand:</b> 80165 VA
				<b>Total Conn. Current:</b> 223 A
				<b>Total Est. Demand Current:</b> 223 A

### Branch Panel: L1B1

Location: ELEC. 122  
Supply From: MSB  
Mounting: Surface  
Enclosure: Type 1

Volts: 120/208 Wye  
Phases: 3  
Wires: 4  
Spaces: 84

MINIMUM A.I.C. Rating: 11,000  
Mains Type: MCB  
Mains Rating: 225 A  
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	LTG CORRIDOR 101A/101C	20 A	1	263 VA	720 VA				REC CLASSROOM 131	2	
3	LTG CLASSROOM 131	20 A	1		560 VA	900 VA			REC CLASSROOM 131, RR 131A	4	
5	LTG CLASSROOM 130	20 A	1			560 VA	720 VA		REC CLASSROOM 130	6	
7	LTG CLASSROOM 120	20 A	1	560 VA	900 VA				REC CLASSROOM 130, RR 130A	8	
9	LTG CLASSROOM 119	20 A	1		560 VA	720 VA			REC CLASSROOM 120	10	
11	LTG RR 119A/120A, MTR CEF-8/9	20 A	1			76 VA	900 VA		REC CLASSROOM 120, RR 120A	12	
13	LTG RR 130A/131A, MTR CEF-6/7	20 A	1	76 VA	720 VA				REC CLASSROOM 119	14	
15	LTG RR 118A, MTR CEF-10	20 A	1		38 VA	900 VA			REC CLASSROOM 119, RR 119A	16	
17	LTG MUSIC 118	20 A	1			560 VA	800 VA		NC CLASSROOM 119/120 SHORT THROW PROJECTORS	18	
19	LTG PE OFF. 126, COPIER 127, TEACH. LOUNGE 128, INTER 129	20 A	1	847 VA	800 VA				NC CLASSROOM 130/131 SHORT THROW PROJECTORS	20	
21	LTG COMPUTER LAB 114	20 A	1		457 VA	720 VA			REC MUSIC 118	22	
23	LTG LIBRARY 113	20 A	1			607 VA	900 VA		REC MUSIC 118, RR 118A	24	
25	LTG RR 115/117/123/124/STOR. 121/ELEC. 122, MTR CEF-11/12/16	20 A	1	595 VA	400 VA				NC MUSIC 118 SHORT THROW PROJECTOR	26	
27	LTG VEST 100B	20 A	1		123 VA	720 VA			REC ROOF	28	
29	NC ELEC. 122 RELAY PANEL	20 A	1			200 VA	720 VA		REC ROOF	30	
31	LTG-EXT	20 A	1	702 VA	720 VA				REC COMPUTER LAB 114	32	
33	LTG VEST 100B, CORR 101A/101C, HALL 125 NIGHT LIGHTS	20 A	1		298 VA	720 VA			REC COMPUTER LAB 114	34	
35	SPARE	20 A	1			0 VA	720 VA		REC COMPUTER LAB 114	36	
37	SPARE	20 A	1	0 VA	720 VA				REC COMPUTER LAB 114	38	
39	SPARE	20 A	1		0 VA	900 VA			REC COMPUTER LAB 114	40	
41	SPARE	20 A	1			0 VA	720 VA		REC COMPUTER LAB 114	42	
43	NC TEACHER LOUNGE 128 STOVE	40 A	2	3300 VA	720 VA				REC COMPUTER LAB 114	44	
45	--	--	--		3300 VA	500 VA			NC COMPUTER LAB 114 TV	46	
47	NC TEACHER LOUNGE 128 VENDING	20 A	1			1000 VA	900 VA		REC LIBRARY 113	48	
49	NC TEACHER LOUNGE 128 FRIDGE	20 A	1	1000 VA	900 VA				REC LIBRARY 113	50	
51	NC TEACHER LOUNGE 128 ABOVE COUNTER	20 A	1		500 VA	800 VA			NC LIBRARY 113/INTER 129 SHORT THROW PROJECTORS	52	
53	NC TEACHER LOUNGE 128 HOOD	15 A	1		250 VA	1080 VA			REC CORR 101A/101C, CHASE 116, 125, STOR 121, RR 124, HALL...	54	
55	NC TEACHER LOUNGE 128 ABOVE COUNTER	20 A	1	500 VA	900 VA				REC CORR 101A/101C, BOYS 115, ELEC 122, JAN 180B	56	
57	NC TEACHER LOUNGE 128 ABOVE COUNTER	20 A	1		500 VA	900 VA			REC VEST 100B, CORR 101A/101C, GIRLS 117, RR 123	58	
59	NC TEACHER LOUNGE 128 DISPOSAL	20 A	1		1500 VA	500 VA			NC HALL 125 BOTTLE FILLER	60	
61	NC TEACHER LOUNGE 128 ABOVE COUNTER	20 A	1	500 VA	1080 VA				REC INTER 129	62	
63	REC EXTERIOR	20 A	1		1080 VA	900 VA			REC TEACHER LOUNGE 128	64	
65	NC VEST 100B, CORR 101C DOOR HARDWARE	20 A	1			200 VA	900 VA		REC PE OFFICE 126, COPIER ROOM 127	66	
67	SPARE	20 A	1	0 VA	1500 VA				NC COPIER ROOM 127 COPIER	68	
69	SPARE	20 A	1		0 VA	1500 VA			NC COPIER ROOM 127 LAMINATOR	70	
71	SPARE	20 A	1			0 VA	264 VA		MTR EF-2	72	
73	SPARE	20 A	1	0 VA	0 VA				SPARE	74	
75	SPARE	20 A	1		0 VA	0 VA			SPARE	76	
77	SPARE	20 A	1			0 VA	0 VA		SPARE	78	
79	SPARE	20 A	1	0 VA	0 VA				SPARE	80	
81	SPARE	20 A	1		0 VA	0 VA			SPARE	82	
83	SPARE	20 A	1			0 VA	0 VA		SPARE	84	
				<b>Total Load:</b>	18423 VA	17596 VA	14077 VA				
				<b>Total Amps:</b>	158 A	151 A	117 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
NC	19550 VA	100.00%	19550 VA	19550 VA
MTR	360 VA	100.00%	360 VA	360 VA
REC	23400 VA			



STATE OF NEW MEXICO  
CONSTRUCTION INDUSTRIES DIVISION  
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02/19/2020 4:11:58 PM

Portales Brown Early Childhood Center, Project #S20-008, FSCOC FUNDED

SEAL  
STATE OF NEW MEXICO  
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ACTIVE  
19418  
PROFESSIONAL ENGINEER  
STATE OF NEW MEXICO  
CONSTRUCTION INDUSTRIES DIVISION  
Signature: Benjamin E. ...  
Date: 2019/12/10  
17:16:21-07'00"



Brown Early Childhood Center  
Old Wing Renovation  
520 W 5th St, Portales, NM 88130

CONSTRUCTION DOCUMENTS

- REVISIONS
- △
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Table with columns: DRAWN BY, REVIEWED BY, DATE, PROJECT NO, PSFA PRE-K PROJECT NO, PSFA SYSTEMS PROJECT NO, DRAWING NAME

ELECTRICAL  
PANEL  
SCHEDULES

Branch Panel: L1C  
Location: VESTIBULE 100B  
Supply From: MSB  
Mounting: Surface  
Enclosure: Type 1  
Volts: 120/208 Wye  
Phases: 3  
Wires: 4  
Spaces: 42  
MINIMUM A.I.C. Rating: 13,000  
Mains Type: MCB  
Mains Rating: 225 A  
MCB Rating: 225 A

Notes: PROVIDE SKIRTING BELOW PANEL TO FLOOR AND ABOVE PANEL TO CEILING.

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	LTG GYMNASIUM 201	20 A	1	460 VA	540 VA		1	20 A	REC GYMNASIUM 201 NORTH	2	
3	LTG GYMNASIUM 201	20 A	1		510 VA	540 VA	1	20 A	REC GYMNASIUM 201 STAGE	4	
5	LTG GYMNASIUM 201	20 A	1			460 VA	540 VA	1	REC GYMNASIUM 201 SOUTH	6	
7	LTG GYMNASIUM 201	20 A	1	414 VA	360 VA		1	20 A	REC VEST 100B/GYMNASIUM 201	8	
9	LTG GYMNASIUM 201	20 A	1		560 VA	0 VA	1	20 A	SPARE	10	
11	SPARE	20 A	1			0 VA	1176 VA	1	MTR GYMNASIUM 201 EXHAUST FAN (ROOF)	12	
13	LTG/LTG-EXT GYMNASIUM 201	20 A	1	484 VA	0 VA		1	20 A	SPARE	14	
15	SPARE	20 A	1		0 VA	0 VA	1	20 A	SPARE	16	
17	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	18
19	MTR GYMNASIUM 201 EXHAUST FAN (ROOF)	20 A	1	1176 VA	0 VA		1	20 A	SPARE	20	
21	MTR GYMNASIUM 201 HEATER (ROOF)	20 A	2		1632 VA	1632 VA	2	20 A	MTR GYMNASIUM 201 EVAP COOLER (ROOF)	22	
23	--	--	--			1632 VA	1632 VA	--	--	24	
25	SPACE ONLY	--	--	0 VA	1632 VA		2	20 A	MTR GYMNASIUM 201 EVAP COOLER (ROOF)	28	
27	SPACE ONLY	--	--		0 VA	1632 VA	--	--	--	28	
29	SPACE ONLY	--	--			0 VA	0 VA	--	--	30	
31	SPACE ONLY	--	--	0 VA	0 VA		--	--	SPACE ONLY	32	
33	SPACE ONLY	--	--		0 VA	0 VA	--	--	SPACE ONLY	34	
35	SPACE ONLY	--	--			0 VA	0 VA	--	SPACE ONLY	36	
37	SPACE ONLY	--	--	0 VA	0 VA		--	--	SPACE ONLY	38	
39	SPACE ONLY	--	--		0 VA	0 VA	--	--	SPACE ONLY	40	
41	SPACE ONLY	--	--			0 VA	0 VA	--	SPACE ONLY	42	
				Total Load:	5088 VA	6506 VA	5440 VA				
				Total Amps:	42 A	55 A	46 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
MTR	12144 VA	100.00%	12144 VA	Total Conn. Load: 17012 VA
REC	1880 VA	100.00%	1880 VA	Total Est. Demand: 17734 VA
LTG	2788 VA	125.00%	3485 VA	Total Conn. Current: 47 A
LTG-EXT	100 VA	125.00%	125 VA	Total Est. Demand Current: 49 A

NOTE  
ELECTRICAL CONTRACTOR MUST COMPLY WITH ALL  
2017 NATIONAL ELECTRICAL / NEW MEXICO  
ELECTRICAL / NEW MEXICO ADMINISTRATIVE CODES

Branch Panel: FS (EXISTING)  
Location: KITCHEN 203  
Supply From: MSB  
Mounting: Recessed  
Enclosure: Type 1  
Volts: 120/208 Wye  
Phases: 3  
Wires: 4  
Spaces: 24  
MINIMUM A.I.C. Rating: 10,000  
Mains Type: MLO  
Mains Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	LTG/LTG-EXT FOOD SERVER R	20 A	1	666 VA	360 VA		1	20 A	REC FOOD SERVER R	2	
3	LTG STORAGE Q 3	20 A	1		188 VA	360 VA	1	20 A	REC FOOD SERVER R	4	
5	MTR EXHAUST FAN EF-6 STOR Q 3	20 A	1			696 VA	360 VA	1	REC FOOD SERVER R	6	
7	NC CASH REGISTER F.S.R.	20 A	1	320 VA	1500 VA		1	20 A	NC MICROWAVE F.S.R.	8	
9	NC MILK COOLER F.S.R.	20 A	1		1068 VA	1100 VA	1	20 A	NC MILK COOLER F.S.R.	10	
11	NC SERVING EQPM F.S.R.	20 A	1			1100 VA	360 VA	1	REC STORAGE Q 3	12	
13	SPARE	20 A	1	0 VA	360 VA		1	20 A	REC ROOF, EXTERIOR	14	
15	SPARE	20 A	1		0 VA	0 VA	1	20 A	SPARE	16	
17	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	18
19	MTR ROOF TOP UNIT RTU-7	30 A	3	1882 VA	0 VA		1	20 A	SPARE	20	
21	--	--	--		1882 VA	0 VA	1	20 A	SPARE	22	
23	--	--	--			1882 VA	0 VA	1	20 A	SPARE	24
				Total Load:	5088 VA	4598 VA	4398 VA				
				Total Amps:	43 A	39 A	37 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
NC	5088 VA	100.00%	5088 VA	Total Conn. Load: 14084 VA
MTR	6342 VA	100.00%	6342 VA	Total Est. Demand: 14298 VA
REC	1830 VA	100.00%	1830 VA	Total Conn. Current: 39 A
LTG	804 VA	125.00%	1005 VA	Total Est. Demand Current: 40 A
LTG-EXT	50 VA	125.00%	63 VA	

Branch Panel: S  
Location: MSB  
Supply From: MSB  
Mounting: Surface  
Enclosure: Type 1  
Volts: 120/208 Wye  
Phases: 3  
Wires: 4  
Spaces: 12  
MINIMUM A.I.C. Rating: 10,000  
Mains Type: MCB  
Mains Rating: 60 A  
MCB Rating: 60 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	LTG-EXT WEST PARKING LOT POLES	20 A	1	544 VA	0 VA		--	--	SPACE ONLY	2	
3	LTG-EXT EAST PARKING LOT POLES	20 A	1		952 VA	0 VA	--	--	SPACE ONLY	4	
5	SPARE	20 A	1			0 VA	0 VA	--	SPACE ONLY	6	
7	SPACE ONLY	--	--	0 VA	0 VA		--	--	SPACE ONLY	8	
9	SPACE ONLY	--	--		0 VA	0 VA	--	--	SPACE ONLY	10	
11	SPACE ONLY	--	--			0 VA	0 VA	--	SPACE ONLY	12	
				Total Load:	544 VA	952 VA	0 VA				
				Total Amps:	5 A	9 A	0 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
LTG-EXT	1496 VA	125.00%	1870 VA	Total Conn. Load: 1496 VA
				Total Est. Demand: 1870 VA
				Total Conn. Current: 4 A
				Total Est. Demand Current: 5 A

L1C

EXIST  
FS

S

KEY PLAN N.T.S.



# TECHNOLOGY SYMBOL LEGEND

(NOT ALL SYMBOLS APPLY TO THIS PROJECT)

ABBREVIATION	DEFINITION
A	AMPS, AMPERE
AMP	AMPLIFIER
AC	ABOVE COUNTER
AC	ALTERNATING CURRENT
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AVAILABLE INTERRUPTING CURRENT
AL	ALUMINUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ATSC	AUTOMATIC TRANSFER SWITCH CONTROL
ATS	AUTOMATIC TRANSFER SWITCH
AV, AVV	AUDIO-VISUAL OR AUDIO-VIDEO
AWB	ABOVE WHITE BOARD
AWG	AMERICAN WIRE GAUGE
BFG	BELOW FINISHED GRADE
C	CONDUIT
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CKT	CIRCUIT
CL	CLOCK
CLF	CURRENT LIMITING FUSE
CO	CONDUIT ONLY
CU	COPPER
D	DIMMING
DC	DIRECT CURRENT
DIA	DAY LIGHTING
DIA	DIAMETER
DSVD	DIGITAL SIGNAGE VIDEO DISPLAY
E	EMERGENCY
EC	EMERGENCY CRITICAL
EG	ENGINE GENERATOR
EGG	EQUIPMENT & GROUNDING CONDUCTOR
EL	EMERGENCY LIFE SAFETY
EMT	ELECTRICAL METALLIC TUBING
EW	ELECTRIC WATER COOLER
EX	EXISTING
FUT	FUTURE
FA	FIRE ALARM
FRA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FAPS	FIRE ALARM POWER SUPPLY
FAMNCP	FIRE ALARM MASS NOTIFICATION CONTROL PANEL
FAMNTC	FIRE ALARM MASS NOTIFICATION TERMINAL PANEL
FDR	FEEDER
FDU	FIBER DISTRIBUTION UNIT
GEN	GENERATOR
GFI	GROUND FAULT INTERRUPTER
G.GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT PROTECTION
GND	GROUND
HH	HANDHOLE
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
IC	INTERCOM
ICM	INTERCOM MASTER
IG	ISOLATED GROUND
KCMIL	THOUSAND CIRCULAR MILS
KO	KNOCK-OUT
KV	KILOVOLT
KVA	KILOVOLT AMPS
KVAR	KILOVOLT AMPS REACTIVE
KW	KILOWATT
KWH	KILOWATT HOUR
LJU	LIGHT INTERFACE UNIT
LSIG	LONG TIME, SHORT TIME, INSTANTANEOUS, AND GROUND
MAX	MAXIMUM
MCC	MOTOR CONTROL CENTER
MH	MANHOLE
MIC	MICROPHONE
MIN	MINIMUM
MM	MIXED MEDIA
MTS	MANUAL TRANSFER SWITCH
MVA	MEGAVOLT AMPS
N	NEW
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NEUT	NEUTRAL
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NL	NORMAL
NM	NEW MEXICO
NO	NORMALLY OPEN
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFI	OWNER FURNISHED OWNER INSTALLED
OH (OH)	OVERHEAD
P	POLE
PA	PUBLIC ADDRESS
PC	PHOTOCELL
PH	PHASE
PMCS	POWER MONITORING AND CONTROL SYSTEM
POE	POWER OVER ETHERNET
RSC	RIGID STEEL CONDUIT
SEC	SECURITY
SPD	SURGE PROTECTIVE DEVICE
SW	SWITCH
TEMP	TEMPORARY
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUS BAR
TTB	TELEPHONE TERMINAL BOARD
TV	TELEVISION
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER
TYP	TYPICAL
UC	UNDER COUNTER
UG	UNDERGROUND
UGE	UNDERGROUND ELECTRIC
UL	UNDERWRITERS' LABORATORIES
UN	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLTS, VOLTAGE
VFD	VARIABLE FREQUENCY DRIVE
VR	VANDAL RESISTANT
W	WIRE
WG	WEATHERPROOF AND GFCI
WFR	WEATHERPROOF TRANSFER
XFMR	TRANSFORMER

SYMBOL	DESCRIPTION
	CONCEALED RACEWAY BETWEEN DEVICES AND OR EQUIPMENT IN WALLS OR IN CEILING SPACE
	UNDERGROUND RACEWAY BETWEEN DEVICES AND OR EQUIPMENT
	EXPOSED RACEWAY BETWEEN DEVICES AND OR EQUIPMENT ON WALLS OR CEILINGS
	CONDUIT TURNS
	CONDUIT STUBBED AND CAPPED
	BUSWAY
	GROUNDING CONDUCTOR
	CABLE TRAY - POWER AND TELECOMMUNICATIONS
	DATA RACEWAY
	VOICE/DATA COMBINATION RACEWAY
	FIBER RACEWAY
	FIRE ALARM RACEWAY

SYMBOL	DESCRIPTION
	DISTRIBUTION POLE FOR OVERHEAD ELECTRICAL OR COMMUNICATIONS AS INDICATED ON PLAN.
	OVERHEAD UTILITY AND/OR SYSTEM DISTRIBUTION. 3PH = THREE PHASE (SEE ELECTRICAL DRAWINGS.) 1PH = SINGLE PHASE (SEE ELECTRICAL DRAWINGS.) OH = OVER HEAD UG = UNDERGROUND P = ELECTRICAL PRIMARY (SEE ELECTRICAL DRAWINGS.) S = ELECTRICAL SECONDARY (SEE ELECTRICAL DRAWINGS.) T = TELECOMMUNICATION TV = TELEVISION E = EMERGENCY POWER ATS = AUTOMATIC TRANSFER SWITCH CONTROL (SEE ELEC. DRAWINGS.) N = NEW EX = EXISTING
	UNDERGROUND UTILITY AND/OR SYSTEM DISTRIBUTION.
	UTILITY OR FACILITY TRANSFORMER (SEE ELECTRICAL DRAWINGS.)
	MANHOLE - POWER OR COMMUNICATION AS INDICATED ON PLANS
	HAND HOLE - POWER OR COMMUNICATION AS INDICATED ON PLANS
	TELECOMMUNICATION PEDESTAL
	TELEVISION PEDESTAL

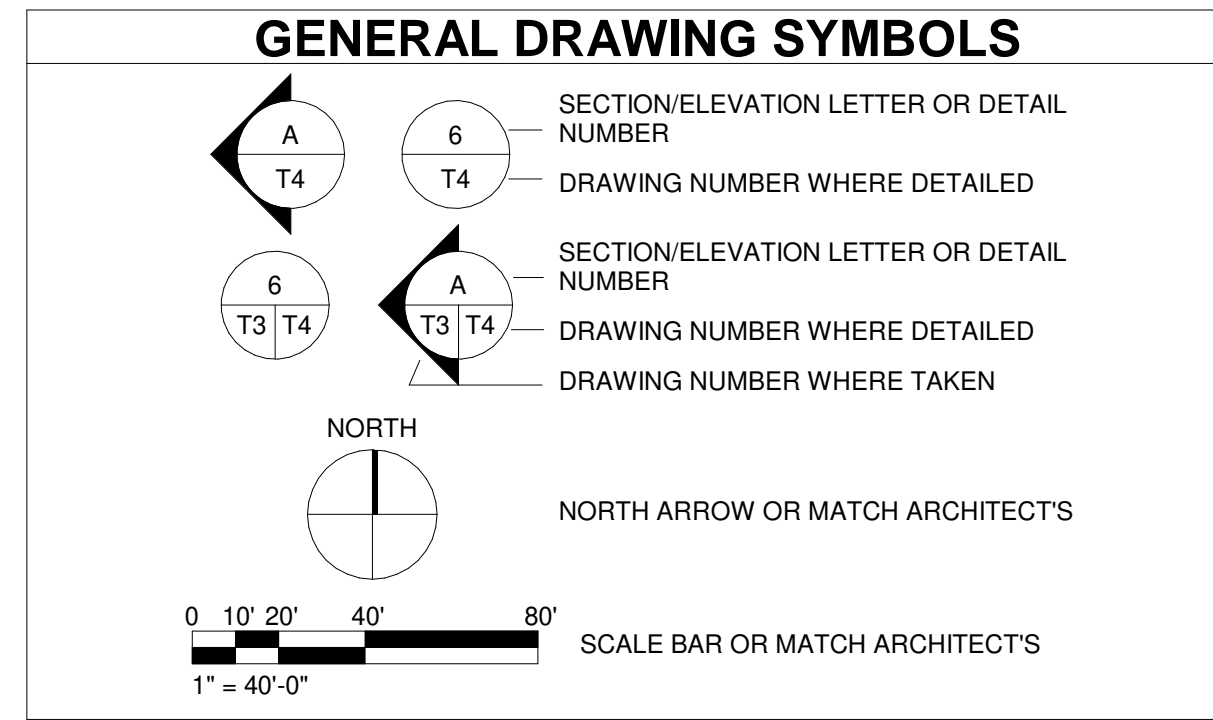
SYMBOL	DESCRIPTION
	MAIN SWITCHBOARD. DASHED LINES INDICATE CLEARANCES. (SEE ELECTRICAL DRAWINGS.)
	DISTRIBUTION BOARD. DASHED LINES INDICATE CLEARANCES. (SEE ELECTRICAL DRAWINGS.)
	ELECTRICAL PANELBOARD. DASHED LINES INDICATE CLEARANCES. (SEE ELECTRICAL DRAWINGS.)
	MOTOR CONTROL CENTER. DASHED LINES INDICATE CLEARANCES. (SEE ELECTRICAL DRAWINGS.)
	DRY TYPE TRANSFORMER (15KVA OR ABOVE), WITH EQUIPMENT TAG (SEE ELECTRICAL DRAWINGS.)
	DRY TYPE TRANSFORMER (LESS THAN 15KVA), WITH NO EQUIPMENT TAG (SEE ELECTRICAL DRAWINGS.)
	UNINTERRUPTIBLE POWER SUPPLY. DASHED LINES INDICATE CLEARANCES.
	GROUND BAR

SYMBOL	DESCRIPTION	NOTES
	DASHED SYMBOL INDICATES EXISTING RACEWAY TO BE REMOVED	REFER TO DEMOLITION PLANS FOR ADDITIONAL INFORMATION
	REMOVE EXISTING RACEWAY IN ALL ACCESSIBLE AREAS. CAPPED AND ABANDONED IF IN UNACCESSIBLE AREA	
	SOLID SYMBOL, LIGHTER IN COLOR INDICATES EXISTING DEVICE OR EQUIPMENT TO REMAIN	
	EXISTING CONDUIT TO BE REUSED	

SYMBOL	DEFINITION
	KEYED NOTE REFERENCE
	MECHANICAL EQUIPMENT REFERENCE
	DENOTES MOUNTING HEIGHT AFF
	KITCHEN EQUIPMENT REFERENCE
	MEDICAL EQUIPMENT REFERENCE

SYMBOL	DESCRIPTION	MOUNTING	
		LOC.	HT.
	FLOOR BOX WITH POWER AND VOICE/DATA EQUIPMENT	FLOOR	VARIES SEE PLANS
	FLOOR BOX WITH AV. REFER TO J-BOX SCHEDULE ON 600 SERIES SHEETS.	FLOOR	VARIES SEE PLANS
	VOICE/DATA OUTLET	WALL	+18" UON
	TELEVISION OUTLET	WALL	+44" UON
	VOICE/DATA OUTLET ABOVE COUNTER TOP	WALL	+44" UON
	TELEPHONE OUTLET WALL MOUNTED	WALL	+44" UON
	INTERCOM CALL SWITCH	WALL	+44" UON
	INTERCOM MASTER STATION	WALL	+44" UON
	POLYCARBONITE VANDAL RESISTANT COVER	WALL	+44" UON
	COMMUNICATION HORN	WALL	+84" UON
	COMMUNICATION BELL	WALL	+84" UON
	INTERCOM WALL SPEAKER	WALL	+96" UON
	INTERCOM SPEAKER HORN	WALL	+96" UON
	DURES ALARM PUSHBUTTON	WALL	SEE PLANS
	LOCK DOWN PUSHBUTTON	WALL	SEE PLANS
	WALL MOUNTED CODE SIZE J-BOX	WALL	SEE PLANS
	AV JUNCTION BOX. REFER TO J-BOX SCHEDULE ON 600 SERIES SHEETS.	WALL	SEE PLANS
	AV J-BOXES STACKED VERTICALLY. REFER TO J-BOX SCHEDULE ON 600 SERIES SHEETS.	WALL	SEE PLANS
	COMBINATION CLOCK/SPEAKER. MOUNTED ABOVE AND CENTER TO WRITING/TACK BOARD	WALL	SEE PLANS
	DIGITAL SIGNAGE VIDEO DISPLAY	WALL	SEE PLANS
	FLAT PANEL OR PROJECTION SCREEN	REFER TO PLANS	
	MULTI-OUTLET ASSEMBLY (SURFACE MOUNTED RACEWAY)	REFER TO PLANS	
	COMBINATION POWER/COMMUNICATION POLE. CONFIGURATION AS NOTED ON PLANS	REFER TO PLANS	
	CEILING SPEAKER: LOCAL SOUND SYSTEM	CEILING	FLUSH
	CEILING SPEAKER: INTERCOM SYSTEM	CEILING	FLUSH
	CABLE TRAY FOR COMMUNICATIONS	ABOVE CEILING	SEE PLANS
	J-HOOK ROUTING PATH	ABOVE CEILING	SEE PLANS
	CEILING VOICE/DATA	ABOVE CEILING	SEE PLANS
	WIRELESS ACCESS POINT	ABOVE CEILING	SEE PLANS
	CODE SIZE JUNCTION BOX	ABOVE CEILING	SEE PLANS
	CEILING MOUNTED AV JUNCTION BOX. REFER TO J-BOX SCHEDULE ON 600 SERIES SHEETS.	ABOVE CEILING	SEE PLANS

SYMBOL	DESCRIPTION	MOUNTING	
		LOC.	HT.
	CARD READER	WALL	+44" UON
	KEY PAD	WALL	+44" UON
	KEY SWITCH	WALL	+44" UON
	WALL MOUNTED MOTION DETECTOR	WALL	+84" UON
	SECURITY CAMERA (BOX, FIXED)	WALL	SEE PLANS
	SECURITY CAMERA (DOME, FIXED OR PTZ)	WALL	SEE PLANS
	SECURITY CAMERA 180°	WALL	SEE PLANS
	SECURITY CAMERA 360°	WALL	SEE PLANS
	GLASS BREAK DETECTOR	WINDOW	SEE PLANS
	CEILING MOTION DETECTOR	CEILING	SEE PLANS
	DOOR CONTACT	DOOR	SEE PLANS
	DOOR SWITCH	DOOR	SEE PLANS
	ELECTRIC STRIKE	DOOR	SEE PLANS
	LOCK DOWN	DOOR	SEE PLANS
	MAGNETIC LOCK	DOOR	SEE PLANS





**GENERAL SHEET NOTES**

- A. REFER TO ELECTRICAL DEMOLITION PLANS FOR ADDITIONAL NOTES THAT MAY APPLY TO LOW VOLTAGE.
- B. REMOVE ALL BOXES, CONDUITS, AND PATHWAYS. REMOVE ALL EXPOSED OR ACCESSIBLE CONDUIT RUNS. ABANDON CONCEALED INACCESSIBLE CONDUIT (REMOVE WIRING). CONDUIT SHALL BE REMOVED BACK TO DATA ROOMS.
- C. ALL COMMUNICATION EQUIPMENT, WITH EXCEPTION TO IT CLOSETS, TO BE REMOVED AND RETURNED TO OWNER.
- D. ALL DASHED WALLS ON THE TECHNOLOGY DEMOLITION PLAN INDICATE WALLS WHICH SHALL BE DEMOLISHED COMPLETELY. REFER TO ARCHITECTURAL DEMOLITION PLANS AND DETAILS.
- E. UTILIZE EXISTING SHORBBONES IN BLOCK WALLS TO REMAIN FOR NEW DEVICES. COORDINATE EXISTING DEVICE LOCATION IN FIELD WITH NEW DEVICES AND COMPLY AS REQUIRED.
- F. REFER TO CONSTRUCTION SEQUENCING PLAN FOR ALL WORK. SCHOOL WILL REMAIN IN OPERATION DURING CONSTRUCTION. COORDINATE WITH SCHOOL ADMINISTRATION. PMSD DISTRICT TO HAVE FIRST RIGHT OF REFUSAL FOR ALL SALVAGE ITEMS.
- G. REFER TO CONSTRUCTION SEQUENCING PLAN FOR ALL WORK. SCHOOL WILL REMAIN IN OPERATION DURING CONSTRUCTION. COORDINATE WITH SCHOOL ADMINISTRATION. PMSD DISTRICT TO HAVE FIRST RIGHT OF REFUSAL FOR ALL SALVAGE ITEMS.
- H. ALL ACTIVE EQUIPMENT THAT IS TO REMAIN SHALL BE PROTECTED FROM DUST AND DEBRIS DURING DEMOLITION AND REMODEL.

**TECH. DEMO PLAN LEGEND**

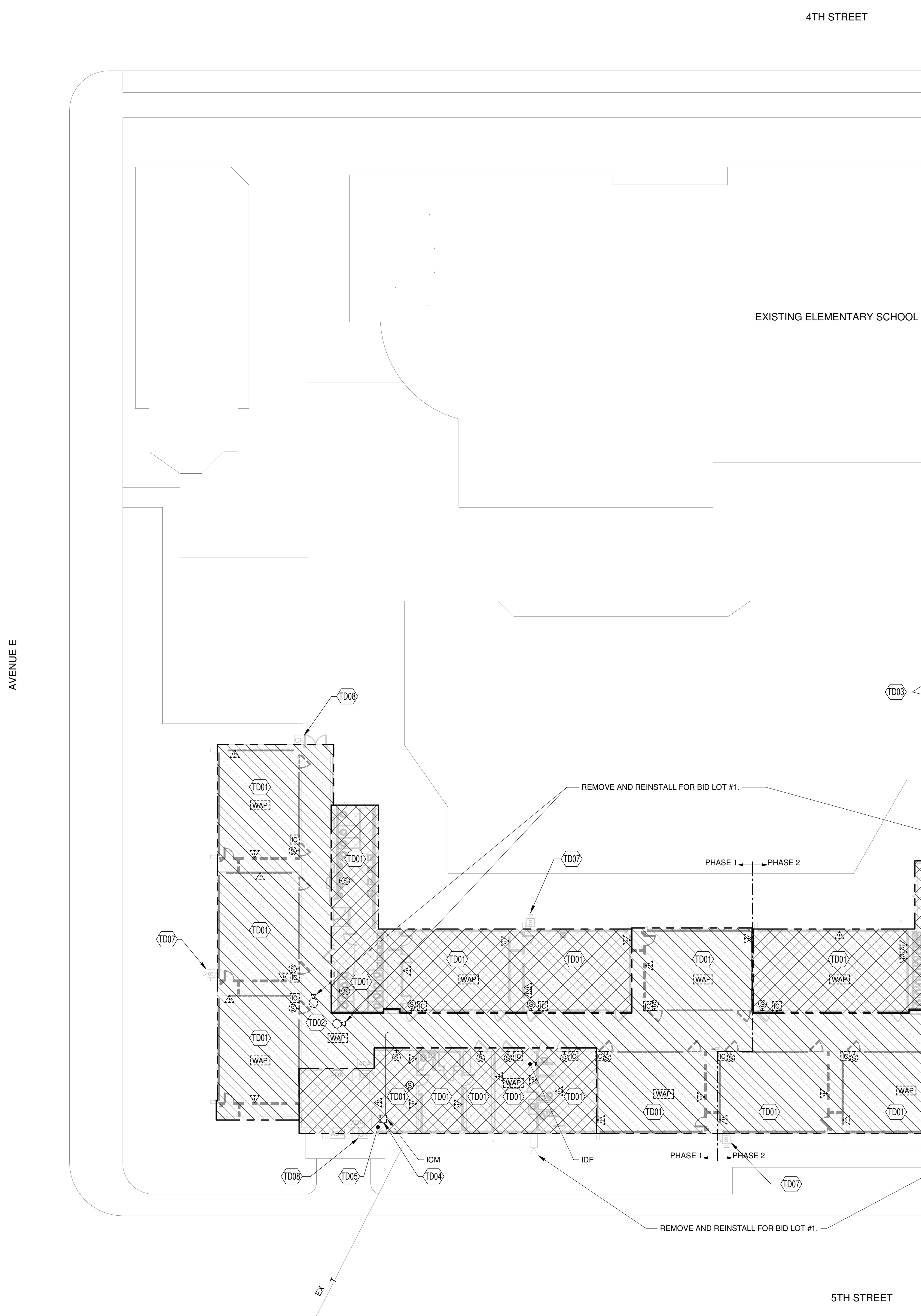
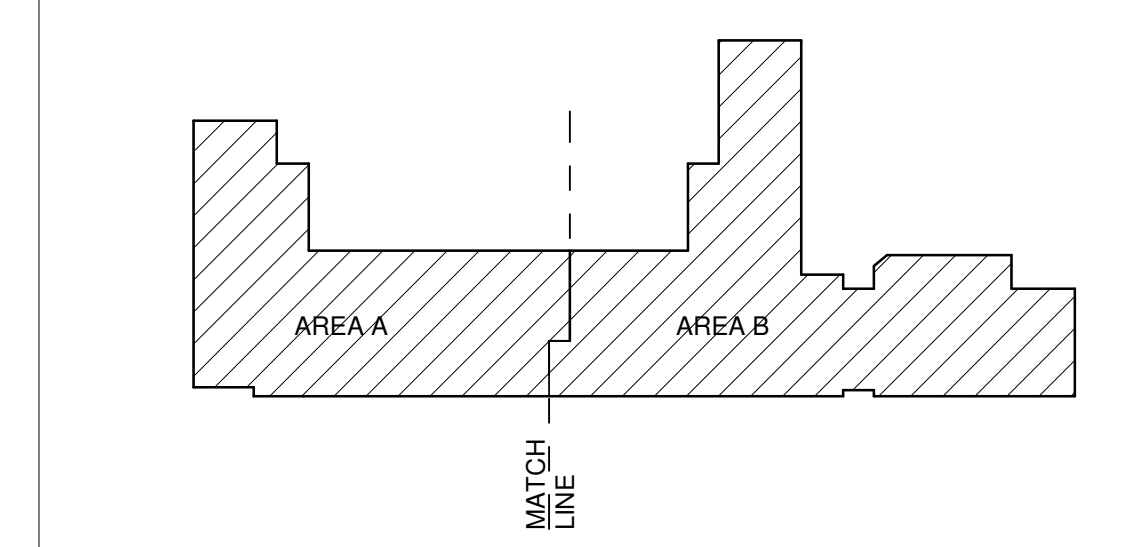
INTERCOMMUNICATIONS & PROGRAM SYSTEMS UPGRADE OF ENTIRE BUILDING IS PART OF BASE BID. TELECOMMUNICATIONS CATEGORY CABLING & TERMINATIONS OF ENTIRE BUILDING IS PART OF BASE BID.

- BASE BID
- BID LOT #1

**KEYNOTES**

- TD01 ALL SURFACE MOUNTED TELECOMMUNICATION BOXES, RACEWAYS, PATHWAYS, AND CABLING TO BE DEM'D. ALL INTERCOMMUNICATIONS AND PROGRAM SYSTEMS CABLING, BOXES, RACEWAYS, PATHWAYS, AND SPEAKERS, FOR PAGING AND INTERCOM TO BE DEM'D. ALL MOUNTED PROJECTORS AND WIRELESS ACCESS POINTS TO BE RETURNED TO OWNER FOR FUTURE REINSTALLATION, SAVE EXISTING MOUNTING BRACKETS FOR EQUIPMENT.
- TD02 REMOVE EXISTING SURVEILLANCE CAMERA AND RETURN TO OWNER. SAVE EXISTING MOUNTING BRACKETS FOR EQUIPMENT. EXISTING CATEGORY CABLING TO BE REPLACED. COORDINATE WORK WITH OWNER AND ARCHITECT TO KEEP SURVEILLANCE OPERATIONAL AS NEEDED. REINSTALL FOR BASE BID AND BID LOT#1.
- TD03 EXISTING INTERCOMMUNICATIONS AND PROGRAM SYSTEMS PATHWAY FOR INTERCONNECTION FROM SECONDARY SCHOOL BUILDING INTERCOM HEADEND UNIT. BUILDING INTERCOM MASTER STATION TO BE DEM'D. REMOVE INTERCONNECTION FROM SECONDARY SCHOOL. SLACK, COIL, AND PROTECT, FOR FUTURE RECONNECTION TO NEW BUILDING INTERCOM MASTER STATION. COORDINATE WORK WITH OWNER AND ARCHITECT TO KEEP INTERCOM PAGING SYSTEM OPERATIONAL AS NEEDED. COORDINATE OPERATION WITH EXISTING SCHOOL PORTABLES AND SECONDARY SCHOOL BUILDING AND INTERCONNECT WORK OVER TO NEW INTERCOM HEADEND UNIT AND MAINTAIN OPERATION.
- TD05 BUILDING TELEPHONE AND VOICE SERVICE CONNECTIONS TO REMAIN. PROTECT CABLING ON WALLS AND IN CEILING AS NEEDED DURING REMODEL.
- TD06 EXISTING INTERCOM BOXES AND SPEAKERS IN GYMNASIUM AND KITCHEN TO REMAIN. CABLING TO BE REPLACED WHEN NEW INTERCOM MASTER STATION IS INSTALLED.
- TD07 EXISTING INTERCOM EXTERIOR SPEAKER TO REMAIN. CABLING TO BE REPLACED WHEN NEW INTERCOM MASTER STATION IS INSTALLED.
- TD08 EXISTING ACCESS CONTROL, HANDICAP DOOR OPERATORS, AND CABLING TO REMAIN. PROTECT CABLING AND PATHWAYS AS NEEDED DURING REMODEL.

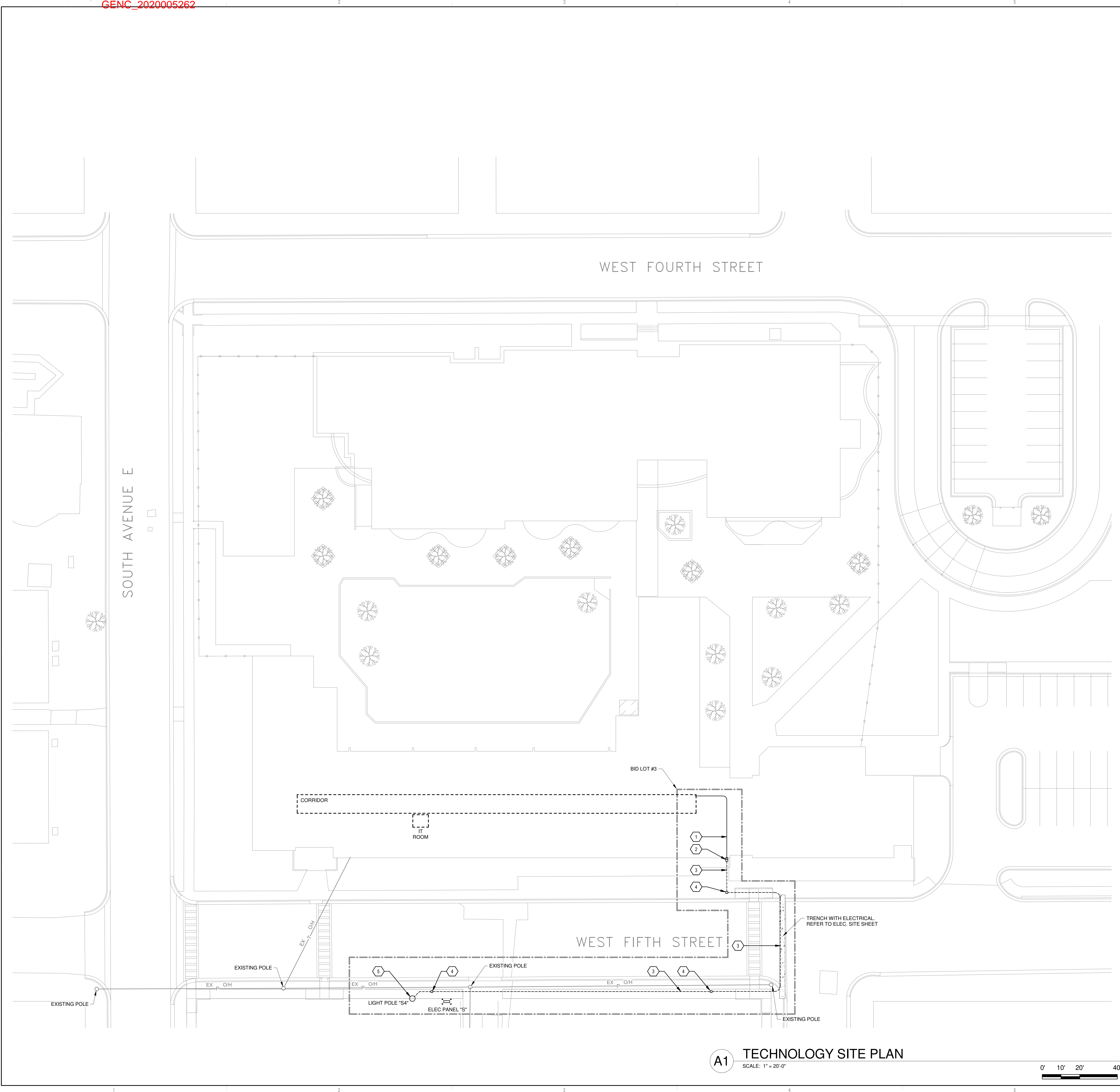
**KEYPLAN**





Portales Brown Early Childhood Center, Project #S20-008, PSCOC FUNDED

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**GENERAL SHEET NOTES**

- A. THE CONDUIT RUNS, AS SHOWN ON PLANS, INDICATE APPROXIMATE ROUTING. EXACT LOCATION OF CONDUIT RUNS SHALL BE AS FIELD CONDITIONS DICTATE.
- B. ALL LOW VOLTAGE CONDUCTORS SHALL BE RUN IN SEPARATE RACEWAYS FROM POWER CONDUCTORS (120VAC OR HIGHER PHASE TO NEUTRAL), NO EXCEPTIONS.
- C. ALL UNDERGROUND CABLING TO BE OSP RATED.
- D. ALL CONDUIT TURNS SHALL BE "SWEEP" TYPE. NO BEND FITTINGS ARE PERMITTED.
- E. REFER TO SHEET SERIES T-400 FOR MDF AND IDF ROOM LAYOUTS AND ADDITIONAL INFORMATION.
- F. INSTALL "MAXCELL 3 CELL" INNERDUCT IN ALL COMMUNICATIONS DISTRIBUTION CONDUIT. CONTRACTOR IS TO SIZE APPROPRIATELY. INSTALL WITH MAXCELL INSTALLATION SWIVEL.

**KEYNOTES**

- 1. 1-1/2" CONDUIT PATHWAY ABOVE CEILING WITH MAXCELL 3-CELL 1-1/2" MESH INNERDUCT.
- 2. PROVIDE "LB" JUNCTION TO PENETRATE INTO BUILDING ABOVE CEILING.
- 3. 1-1/2" CONDUIT PATHWAY RUN UNDERGROUND TO 12"X12" HANDHOLES. REFER TO DUCTBANK DETAIL #4 ON SHEET T-502.
- 4. 12"X12" HANDHOLE WITH SEALED LID TO PREVENT WATER INTRUSION. PROVIDE PROPER GRAVEL BED DRAINAGE. SEAL CONDUITS WITHIN HANDHOLE TO PREVENT WATER INTRUSION.
- 5. PROVIDE ROUGH-IN OF CONDUITS AND JUNCTION BOX PER DETAIL #2 ON SHEET T-502 FOR FUTURE SURVEILLANCE CAMERA BY OWNER. REFER TO ELEC SHEETS FOR POWER REQUIREMENTS.

**NOTE**  
ELECTRICAL CONTRACTOR MUST COMPLY WITH ALL 2017 NATIONAL ELECTRICAL, NEW MEXICO ELECTRICAL / NEW MEXICO ADMINISTRATIVE CODES

**FORMATIVE**  
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**PUBLIC SCHOOL FACILITIES AUTHORITY**  
APPROVED  
William Sprick  
Facilities Specialist

**Brown Early Childhood Center  
Old Wing Renovation**  
520 W 5th St, Portales, NM 88130

**CONSTRUCTION DOCUMENTS**

REVISIONS

△	
△	
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△	
△	
△	

DRAWN BY	CSK
REVIEWED BY	JMM
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	TECHNOLOGY SITE PLAN



GENERAL SHEET NOTES

- CONTRACTOR TO INSURE ALL COMMUNICATIONS CABLING REMAIN UNDAMAGED. CABLING SHALL BE FREE OF CUTS, KINKS, STRETCHED, SOLVENTS AND PAINTS. DAMAGED CABLING SHALL BE REPLACED.
- PROPERLY FIRE STOP AND SEAL ALL PENETRATIONS THROUGH WALLS, FLOORS, CEILINGS, AND ROOF AS PER OWNER, CODE, AND AHI.
- PRIOR TO INSTALLATION OF CABLE TRAY COORDINATE LOCATIONS WITH ALL OTHER TRADES. NOT ALL PARTS AND PIECES ARE SHOWN FOR A COMPLETE SYSTEM. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE END-TO-END WARRANTED SOLUTION FOR THE HORIZONTAL CABLING.
- ALL CABLING TO BE PLENUM RATED THROUGHOUT THE BUILDING.
- ALL COMMUNICATIONS CABLING TO MEET OR EXCEED CATEGORY 6 STANDARDS, WITH EXCEPTION TO CEILING DATA AND PROJECTOR LOCATIONS TO MEET OR EXCEED CATEGORY 6A STANDARDS.
- ALL CABLING TO BE COLOR CODED TO SCHOOL DISTRICTS DIRECTION. ALL LOW-VOLTAGE APPLIES TO INCLUDE BUT NOT LIMITED TO DATA, PHONE, PROJECTOR(AUDIO-VISUAL), ACCESS POINTS, SERVERS, PAGING, SURVEILLANCE, ACCESS CONTROL, FIRE ALARM.
- TELECOMMUNICATIONS OUTLETS TO BE MOUNTED AT 18" A.F.F. (BOTTOM OF BOX) UNLESS OTHERWISE NOTED. FOR EXAMPLE, DEVICES SPECIFIED AT 18" A.F.F. SHALL MATCH THE STANDARD MOUNTING HEIGHT FOR POWER RECEPTACLES AND TELECOMMUNICATIONS OUTLETS. DEVICES SPECIFIED AT 48" A.F.F. SHALL MATCH THE STANDARD MOUNTING HEIGHT FOR LIGHT SWITCHES ETC.
- ALL JUNCTION BOXES IN FURRED OUT WALLS TO BE 2-1/2" DEEP MINIMUM. ANY BOXES, CONDUITS, AND PATHWAYS THAT REQUIRE TO BE SURFACE MOUNTED DUE TO EXISTING CONDITIONS, SHALL BE COORDINATED WITH ARCHITECT AND ENGINEER.
- ALL CONDUITS FOR TELECOMMUNICATIONS OUTLETS SHALL BE STEEL, THINWALL ELECTRICAL METALLIC TUBING (TYPE EMT) UNLESS OTHERWISE NOTED. UNDER NO CIRCUMSTANCES SHALL FLEXIBLE CONDUIT BE USED FOR PATHWAYS INDICATED ON THIS SHEET. ALL CONDUITS ARE TO BE AT A MINIMUM 1-1/4" TRADE SIZE, UNLESS OTHERWISE NOTED. ALL CONDUITS FOR TELECOMMUNICATIONS OUTLETS ARE TO BE STUBBED TO NEAREST CABLE TRAY. CONTRACTOR IS TO ENSURE THAT NO CONDUIT EXCEEDS 40% FILL.
- CABLE TRAY SYSTEMS SHOWN ON THIS SHEET SHALL BE USED FOR VOICE AND DATA CABLING ONLY. ALL OTHER SYSTEMS INCLUDING, BUT NOT LIMITED TO, FIRE ALARM, SECURITY, HVAC CONTROL, ETC. SHALL BE SUPPORTED BY OTHER MEANS. J-HOOKS ATTACHED TO THE CABLE TRAY SUPPORTS WILL BE PERMITTED. LIKEWISE, ANY CONDUITS PROVIDED FOR VOICE AND DATA CABLING IS NOT TO BE USED BY ANY OTHER SYSTEM. HENCE, SEPARATE CONDUITS MAY NEED TO BE PROVIDED FOR THE SUPPORT OF THESE SYSTEMS.
- NUMBER ADJACENT TO TELECOMMUNICATIONS OUTLET SYMBOL, REPRESENTS NUMBER OF CATEGORY 6 CABLES TO BE INSTALLED AND TERMINATED AT THAT LOCATION.
- ALL CONDUIT PATHWAYS SHALL BE PROVIDED WITH NYLON BUSHINGS TO PROTECT CABLES, REGARDLESS OF WHETHER THEY TERMINATE IN A DEVICE OR JUNCTION BOX.
- GROUP DATA OUTLETS TOGETHER WITH POWER OUTLETS (WHERE APPLICABLE). REFER TO "EP" SERIES SHEETS FOR POWER OUTLET LOCATIONS.

KEYNOTES

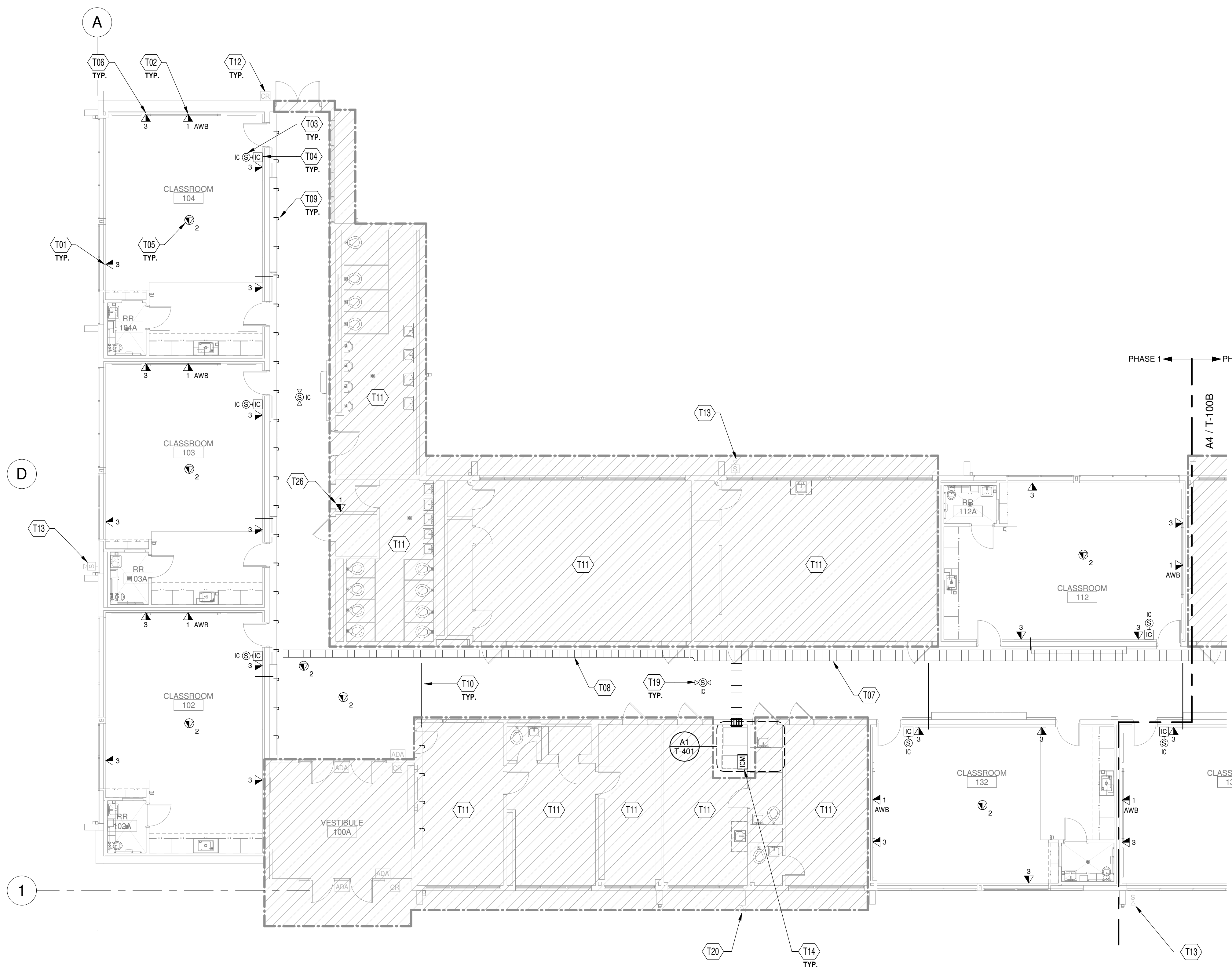
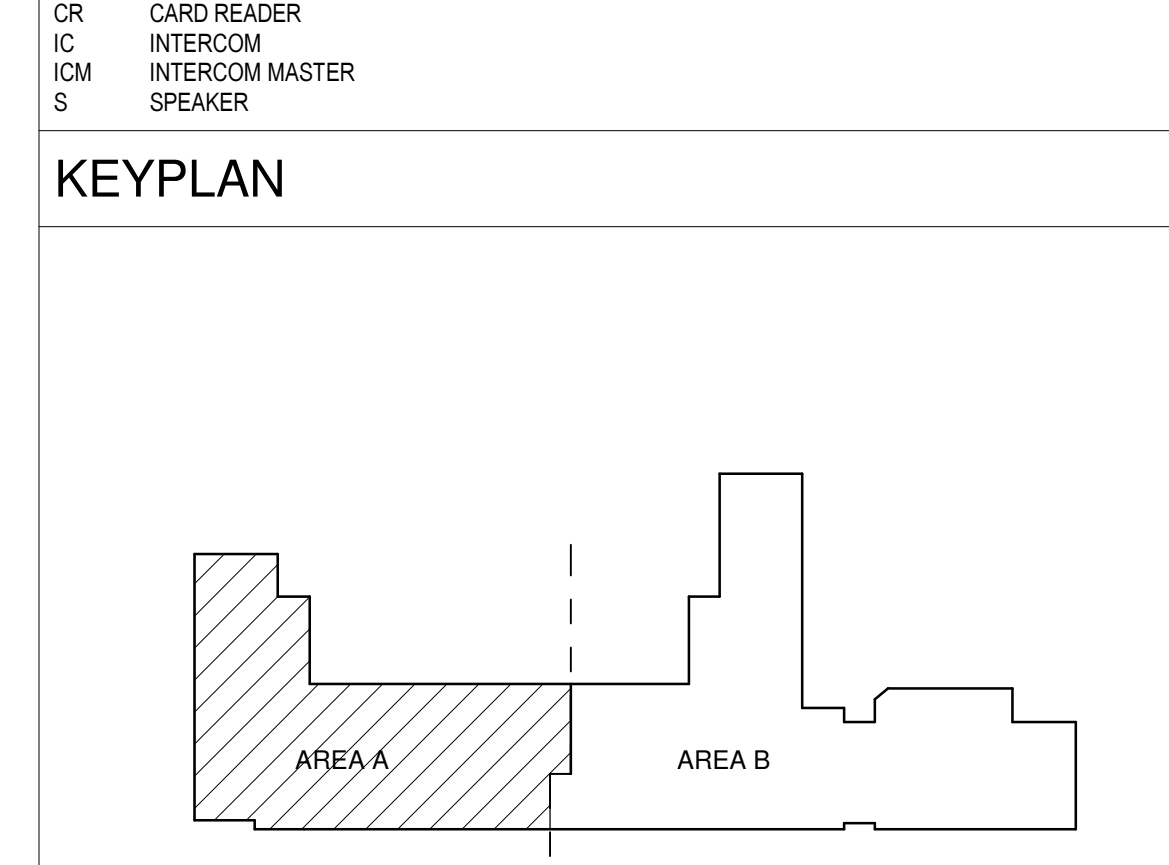
- TELECOMMUNICATIONS DATA OUTLET. PROVIDE 4-11 1/4" SQ. BY 2-1/8" DEEP STEEL BOX WITH 1-1/4" K.O. PROVIDE A SINGLE GANG MID RING RAISED TO FINISHED WALL SURFACE. PROVIDE 1-1/4" EMT CONDUIT UP INTO ACCESSIBLE CEILING SPACE. PROVIDE PULL STRING TO SPAN BOTH ENDS. PROVIDE CATEGORY 6 CABLING AND MODULAR JACK TERMINATIONS.
- ROUGH-IN FOR WALL MOUNTED SHORT THROW PROJECTOR. PROVIDE ROUGH-IN STRUCTURAL BACKING AS SHOWN ON DETAIL D1 ON SHEET T-101. PROVIDE STANDARD TELECOMMUNICATIONS DATA OUTLET. PROVIDE A FOUR PORT ANGLED FACEPLATE WITH ONE CATEGORY 6A CABLE AND MODULAR JACK TERMINATION, AND THREE BLANK INSERTS FOR FUTURE LOW VOLTAGE.
- INTERCOM CALL SWITCH MOUNTED AT 48" A.F.F. WIRED TO ROOM INTERCOM SPEAKER COMPLETE FOR OPERATION. WIRE TO HEAD-END EQUIPMENT. THIS IS PROVIDED AS BASE BID TO ALL INTERCOM CALL SWITCHES THROUGHOUT ENTIRE BUILDING.
- SURFACE WALL MOUNTED PAGING LOUDSPEAKER WITH TALKBACK FOR DISTRIBUTED INTERCOM-PAGING SYSTEM. COORDINATE SIGNAL PULL BOX TYPE AND ROUGH-IN LOCATION WITH EQUIPMENT INSTALLER PRIOR TO COMMENCING ANY WORK. REFER TO SPECIFICATION SECTION 27 51 23 FOR ADDITIONAL REQUIREMENTS. WIRE BACK TO HEAD-END EQUIPMENT. THIS IS PROVIDED AS BASE BID TO ALL PAGING LOUD SPEAKERS THROUGHOUT ENTIRE BUILDING.
- CEILING TELECOMMUNICATIONS DATA OUTLET. PROVIDE IN CEILING PLENUM RATED BOX FOR FUTURE CONNECTION TO EXISTING SCHOOL WIRELESS ACCESS POINTS AND SURVEILLANCE CAMERAS. MOUNT BOX SUPPENDED IN CEILING. PROVIDE CATEGORY 6A CABLING AND TERMINATIONS. COORDINATE LOCATION AND COLOR CODE WITH REQUIREMENTS PER GENERAL NOTE G WITH SCHOOL DISTRICT PRIOR TO ROUGH-IN.
- TELECOMMUNICATIONS DATA OUTLET (BETWEEN THE WHITEBOARD AND TACKBOARD. PROVIDE 2-GANG BACK BOX 2-1/2" DEEP. PROVIDE GANGS FOR (1) DUPLEX (DEORA), (1) 2-PORT DEORA CATEGORY 6. PROVIDE VOLTAGE DIVIDER PLATE TO SEPARATE HIGH AND LOW VOLTAGE GANGS. PROVIDE 1-1/4" EMT FOR DATA CONDUIT UP INTO ACCESSIBLE CEILING SPACE. PROVIDE 3/4" CONDUIT FOR POWER. PROVIDE PULL STRING TO SPAN BOTH ENDS. PROVIDE CATEGORY 6 CABLING AND MODULAR JACK TERMINATIONS.
- 18" X 2" WIRE BASKET STYLE CABLE TRAY THROUGHOUT CORRIDORS. MOUNT CABLE TRAY 6" ABOVE LAY-IN CEILING. COORDINATE WITH ALL OTHER TRADES PRIOR TO COMMENCEMENT OF WORK.
- 12" X 2" WIRE BASKET STYLE CABLE TRAY THROUGHOUT CORRIDORS. MOUNT CABLE TRAY 6" ABOVE LAY-IN CEILING. COORDINATE WITH ALL OTHER TRADES PRIOR TO COMMENCEMENT OF WORK.
- J-HOOK PATH. PROVIDE PROPERLY SIZED AND QUANTITY TO SPAN DISTANCE WITH 4'-5" SPANS. PLENUM RATED.
- 2" CONDUIT SLEEVE THROUGH WALL AND/OR SOFFIT FOR VOICE, DATA, AND INTERCOM CABLING. PROVIDE PLASTIC BUSHINGS ON BOTH ENDS TO PROTECT CABLES.
- CONTRACTOR TO PROVIDE ALL NEW COMMUNICATIONS CATEGORY CABLE TO EXISTING OUTLET LOCATIONS. PROVIDE TERMINATIONS AND FACEPLATE. CONTRACTOR TO PROVIDE ALL NEW INTERCOM-PAGING CABLING TO EXISTING CALL SWITCHES AND SPEAKER LOCATIONS. PROVIDE NEW EQUIPMENTS AND DEVICES AS DEFEND IN SPECIFICATION 27 51 23. UTILIZE EXISTING PATHWAYS AS NEEDED.
- EXISTING ACCESS CONTROL, HANDICAP DOOR OPERATORS, AND CABLING TO REMAIN. PROTECT CABLING AND PATHWAYS AS NEEDED DURING REMODEL.
- EXISTING INTERCOM EXTERIOR SPEAKER TO REMAIN. REMOVE OLD CABLING AND PROVIDE NEW CABLING TO SPEAKER.
- NEW BUILDING INTERCOM MASTER STATION. PROVIDE INTERCONNECTION TO SECONDARY SCHOOL BUILDING AND PROVIDE FULL OPERATIONS TO SCHOOL DISTRICTS STANDARD. COORDINATE INTERCONNECTIONS WITH SECONDARY SCHOOL BUILDING HARDWARE AND SOFTWARE WITH NEW INTERCOM MASTER STATION UNIT. PROVIDE NEW CABLING AS NEEDED TO COMPLETE INTERCONNECTIONS. PROVIDE OSP CABLING WHEN PATHWAY IS UNDERGROUND AND TRANSITION TO PLENUM CABLING WHEN PATHWAY IS IN PLENUM RATED CEILING. REFER TO SPECIFICATION SECTION 27 51 23 FOR ADDITIONAL REQUIREMENTS. COORDINATE OPERATION WITH EXISTING SCHOOL, PORTABLES AND SECONDARY SCHOOL BUILDING AND INTERCONNECT WORK OVER TO NEW INTERCOM HEADEND UNIT AND MAINTAIN OPERATION.
- BIDIRECTIONAL CORRIDOR SPEAKER FOR INTERCOM PAGING. COORDINATE LOCATION WITH ALL OTHER TRADES PRIOR TO ROUGH-IN. THIS IS PROVIDED AS BASE BID TO ALL PAGING LOUD SPEAKERS THROUGHOUT ENTIRE BUILDING.
- EXISTING SURVEILLANCE CAMERA TO REMAIN. REFER TO DEMOLITION 1 SHEETS FOR REQUIREMENTS ON WORK.
- DATA DEVICE FOR LIGHTING RELAY PANEL. COORDINATE LOCATION WITH PANEL. REFER TO ELEC. SHEETS FOR ADDITIONAL REQUIREMENTS.

TECH. PLAN LEGEND

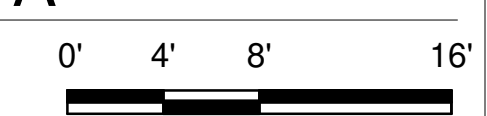
INTERCOMMUNICATIONS & PROGRAM SYSTEMS UPGRADE OF ENTIRE BUILDING IS PART OF BASE BID.  
TELECOMMUNICATIONS CATEGORY CABLING & TERMINATIONS OF ENTIRE BUILDING IS PART OF BASE BID.

NO WORK; UNLESS OTHERWISE NOTED

KEYPLAN



A4 TECHNOLOGY SYSTEMS FLOOR PLAN - AREA A  
SCALE: 1/8" = 1'-0"



Portales Brown Early Childhood Center, Project #S20-008, PSFCC FUNDED

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Bridgers & Paxton Project No. 8022



GENERAL SHEET NOTES

- A. CONTRACTOR TO INSURE ALL COMMUNICATIONS CABLING REMAIN UNDAMAGED. CABLING SHALL BE FREE OF CUTS, KINKS, STRETCHED, SOLVENTS AND PAINTS. DAMAGED CABLING SHALL BE REPLACED.
- B. PROPERLY FIRE STOP AND SEAL ALL PENETRATIONS THROUGH WALLS, FLOORS, CEILINGS, AND ROOF AS PER OWNER, CODE, AND AHI.
- C. PRIOR TO INSTALLATION OF CABLE TRAY COORDINATE LOCATIONS WITH ALL OTHER TRADES.
- D. NOT ALL PARTS AND PICES ARE SHOWN FOR A COMPLETE SYSTEM. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE END-TO-END WARRANTED SOLUTION FOR THE HORIZONTAL CABLING.
- E. ALL CABLING TO BE PLENUM RATED THROUGHOUT THE BUILDING.
- F. ALL COMMUNICATIONS CABLING TO MEET OR EXCEED CATEGORY 6 STANDARDS, WITH EXCEPTION TO CEILING DATA AND PROJECTOR LOCATIONS TO MEET OR EXCEED CATEGORY 6A STANDARDS.
- G. ALL CABLING TO BE COLOR CODED TO SCHOOL DISTRICTS DIRECTION. ALL LOW-VOLTAGE APPLIES TO INCLUDE BUT NOT LIMITED TO DATA, PHONE, PROJECTOR(AUDIO-VISUAL), ACCESS POINTS, SERVERS, PAGING, SURVEILLANCE, ACCESS CONTROL, FIRE ALARM.
- H. TELECOMMUNICATIONS OUTLETS TO BE MOUNTED AT 48" A.F.F. (BOTTOM OF BOX) UNLESS OTHERWISE NOTED. FOR EXAMPLE, DEVICES SPECIFIED AT 48" A.F.F. SHALL MATCH THE STANDARD MOUNTING HEIGHT FOR POWER RECEPTACLES AND TELECOMMUNICATIONS OUTLETS. DEVICES SPECIFIED AT 48" A.F.F. SHALL MATCH THE STANDARD MOUNTING HEIGHT FOR LIGHT SWITCHES ETC.
- I. ALL JUNCTION BOXES IN FURRED OUT WALLS TO BE 2-1/2" DEEP MINIMUM. ANY BOXES, CONDUITS, AND PATHWAYS THAT REQUIRE TO BE SURFACE MOUNTED DUE TO EXISTING CONDITIONS, SHALL BE COORDINATED WITH ARCHITECT AND ENGINEER.
- J. ALL CONDUITS FOR TELECOMMUNICATIONS OUTLETS SHALL BE STEEL, THINWALL ELECTRICAL METALLIC TUBING (TYPE EMT) UNLESS OTHERWISE NOTED. UNDER NO CIRCUMSTANCES SHALL FLEXIBLE CONDUIT BE USED FOR PATHWAYS INDICATED ON THIS SHEET. ALL CONDUITS ARE TO BE AT A MINIMUM 1-1/4" TRADE SIZE, UNLESS OTHERWISE NOTED. ALL CONDUITS FOR TELECOMMUNICATIONS OUTLETS ARE TO BE STUBBED TO NEAREST CABLE TRAY. CONTRACTOR IS TO ENSURE THAT NO CONDUIT EXCEEDS 40% FILL.
- K. CABLE TRAY SYSTEMS SHOWN ON THIS SHEET SHALL BE USED FOR VOICE AND DATA CABLING ONLY. ALL OTHER SYSTEMS INCLUDING, BUT NOT LIMITED TO, FIRE ALARM, SECURITY, HVAC CONTROL, ETC. SHALL BE SUPPORTED BY OTHER MEANS. J-HOOKS ATTACHED TO THE CABLE TRAY SUPPORTS WILL BE PERMITTED. LIKEWISE, ANY CONDUITS PROVIDED FOR VOICE AND DATA CABLING IS NOT TO BE USED BY ANY OTHER SYSTEM. HENCE, SEPARATE CONDUITS MAY NEED TO BE PROVIDED FOR THE SUPPORT OF THESE SYSTEMS.
- L. NUMBER ADJACENT TO TELECOMMUNICATIONS OUTLET SYMBOL, REPRESENTS NUMBER OF CATEGORY 6 CABLES TO BE INSTALLED AND TERMINATED AT THAT LOCATION.
- M. ALL CONDUIT PATHWAYS SHALL BE PROVIDED WITH NYLON BUSHINGS TO PROTECT CABLES, REGARDLESS OF WHETHER THEY TERMINATE IN A DEVICE OR JUNCTION BOX.
- N. GROUP DATA OUTLETS TOGETHER WITH POWER OUTLETS (WHERE APPLICABLE). REFER TO "EP" SERIES SHEETS FOR POWER OUTLET LOCATIONS.

KEYNOTES

- T01 TELECOMMUNICATIONS DATA OUTLET. PROVIDE 4-11/16" SQ. BY 2-1/8" DEEP STEEL BOX WITH 1-1/4" K.O. PROVIDE A SINGLE GANG MID RING RAISED TO FINISHED WALL SURFACE. PROVIDE 1-1/4" EMT CONDUIT UP INTO ACCESSIBLE CEILING SPACE. PROVIDE PULL STRING TO SPAN BOTH ENDS. PROVIDE CATEGORY 6 CABLING AND MODULAR JACK TERMINATIONS.
- T02 ROUGH-IN FOR WALL MOUNTED SHORT THROW PROJECTOR. PROVIDE ROUGH-IN STRUCTURAL BACKING AS SHOWN ON DETAIL D1 ON SHEET T-011. PROVIDE A STANDARD TELECOMMUNICATIONS DATA OUTLET. PROVIDE A FOUR PORT ANGLED FACEPLATE WITH ONE CATEGORY 6A CABLE AND MODULAR JACK TERMINATION, AND THREE BLANK INSERTS FOR FUTURE LOW VOLTAGE.
- T03 INTERCOM CALL SWITCH MOUNTED AT 48" A.F.F. WIRED TO ROOM INTERCOM SPEAKER COMPLETE FOR OPERATION. WIRE TO HEAD-END EQUIPMENT. THIS IS PROVIDED AS BASE BID TO ALL INTERCOM CALL SWITCHES THROUGHOUT ENTIRE BUILDING.
- T04 SURFACE WALL MOUNTED PAGING LOUDSPEAKER WITH TALKBACK FOR DISTRIBUTED INTERCOM-PAGING SYSTEM. COORDINATE SIGNAL PULL BOX TYPE AND ROUGH-IN LOCATION WITH EQUIPMENT INSTALLER PRIOR TO COMMENCING ANY WORK. REFER TO SPECIFICATION SECTION 27 51 23 FOR ADDITIONAL REQUIREMENTS. WIRE BACK TO HEAD-END EQUIPMENT. THIS IS PROVIDED AS BASE BID TO ALL PAGING LOUD SPEAKERS THROUGHOUT ENTIRE BUILDING.
- T05 CEILING TELECOMMUNICATIONS DATA OUTLET. PROVIDE IN CEILING PLENUM RATED BOX FOR FUTURE CONNECTION TO EXISTING SCHOOL WIRELESS ACCESS POINTS AND SURVEILLANCE CAMERAS. MOUNT BOX SUPPENDED IN CEILING. PROVIDE CATEGORY 6A CABLING AND TERMINATIONS. COORDINATE LOCATION AND COLOR CODE WITH REQUIREMENTS PER GENERAL NOTE G WITH SCHOOL DISTRICT PRIOR TO ROUGH-IN.
- T06 TELECOMMUNICATIONS DATA OUTLET. INTERBETWEEN THE WHITEBOARD AND TACKBOARD. PROVIDE A 2-GANG BACK BOX 2-1/2" DEEP. PROVIDE GANGS FOR (1) DUPLEX DECORA, (1) 2-PORT DECORA CATEGORY 6. PROVIDE VOLTAGE DIVIDER PLATE TO SEPARATE HIGH AND LOW VOLTAGE GANGS. PROVIDE 1-1/4" EMT FOR DATA CONDUIT UP INTO ACCESSIBLE CEILING SPACE. PROVIDE 3/4" CONDUIT FOR POWER. PROVIDE PULL STRING TO SPAN BOTH ENDS. PROVIDE CATEGORY 6 CABLING AND MODULAR JACK TERMINATIONS.
- T07 18" X 2" WIRE BASKET STYLE CABLE TRAY THROUGHOUT CORRIDORS. MOUNT CABLE TRAY 6" ABOVE LAY-IN CEILING. COORDINATE WITH ALL OTHER TRADES PRIOR TO COMMENCEMENT OF WORK.
- T08 12" X 2" WIRE BASKET STYLE CABLE TRAY THROUGHOUT CORRIDORS. MOUNT CABLE TRAY 6" ABOVE LAY-IN CEILING. COORDINATE WITH ALL OTHER TRADES PRIOR TO COMMENCEMENT OF WORK.
- T09 J-HOOK PATH. PROVIDE PROPERLY SIZED AND QUANTITY TO SPAN DISTANCE WITH 4'5" SPANS. PLENUM RATED.
- T10 2" CONDUIT SLEEVE THROUGH WALL AND/OR SOFFIT FOR VOICE, DATA, AND INTERCOM CABLING. PROVIDE PLASTIC BUSHINGS ON BOTH ENDS TO PROTECT CABLES.
- T11 CONTRACTOR TO PROVIDE ALL NEW COMMUNICATIONS CATEGORY CABLE TO EXISTING OUTLET LOCATIONS. PROVIDE TERMINATIONS AND FACEPLATE. CONTRACTOR TO PROVIDE ALL NEW INTERCOM-PAGING CABLING TO EXISTING CALL SWITCHES AND SPEAKER LOCATIONS. PROVIDE NEW EQUIPMENTS AND DEVICES AS DEFEND IN SPECIFICATION 27 51 23. UTILIZE EXISTING PATHWAYS AS NEEDED.
- T12 EXISTING ACCESS CONTROL, HANDICAP DOOR OPERATORS, AND CABLING TO REMAIN. PROTECT CABLING AND PATHWAYS AS NEEDED DURING REMODEL.
- T13 EXISTING INTERCOM EXTERIOR SPEAKER TO REMAIN. REMOVE OLD CABLING AND PROVIDE NEW CABLING TO SPEAKER.
- T15 EXISTING INTERCOM BOXES AND SPEAKERS IN GYMNASIUM AND KITCHEN TO REMAIN. REMOVE OLD CABLING AND PROVIDE NEW CABLING TO SPEAKERS AND INTERCOM CALL SWITCH.
- T19 BI-DIRECTIONAL CORRIDOR SPEAKER FOR INTERCOM PAGING. COORDINATE LOCATION WITH ALL OTHER TRADES PRIOR TO ROUGH-IN. THIS IS PROVIDED AS BASE BID TO ALL PAGING LOUD SPEAKERS THROUGHOUT ENTIRE BUILDING.
- T20 EXISTING SURVEILLANCE CAMERA TO REMAIN. REFER TO DEMOLITION T SHEETS FOR REQUIREMENTS ON WORK.
- T26 DATA DEVICE FOR LIGHTING RELAY PANEL. COORDINATE LOCATION WITH PANEL. REFER TO ELEC. SHEETS FOR ADDITIONAL REQUIREMENTS.

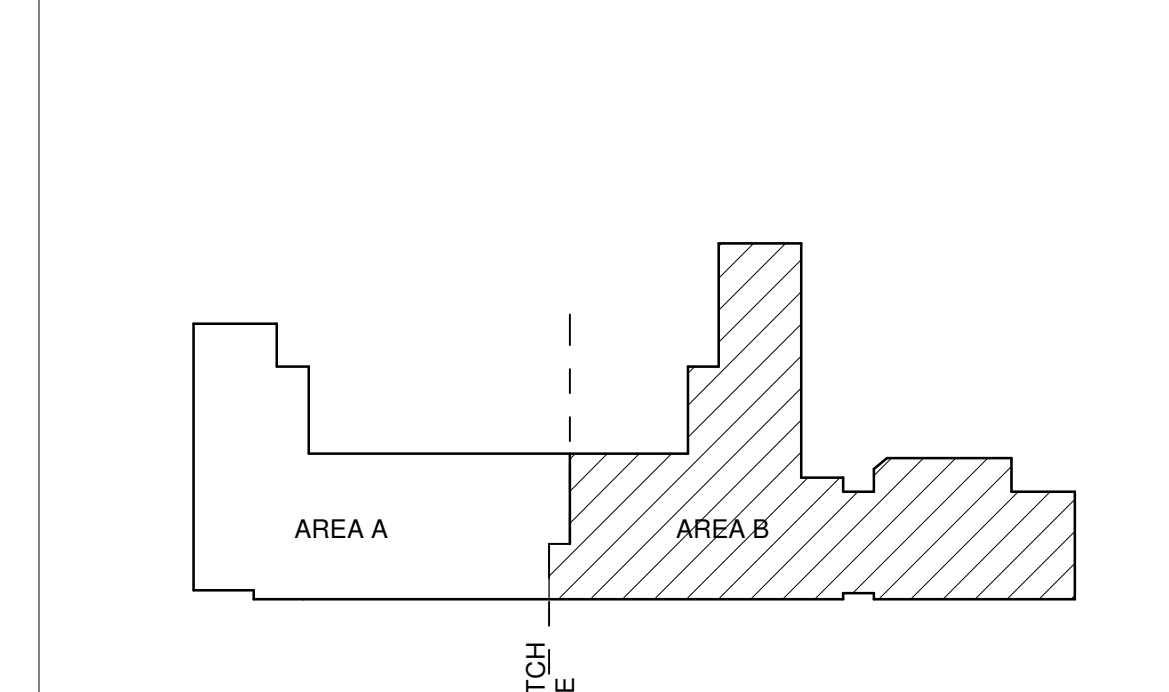
TECH. PLAN LEGEND

INTERCOMMUNICATIONS & PROGRAM SYSTEMS UPGRADE OF ENTIRE BUILDING IS PART OF BASE BID.  
TELECOMMUNICATIONS CATEGORY CABLING & TERMINATIONS OF ENTIRE BUILDING IS PART OF BASE BID.

NO WORK; UNLESS OTHERWISE NOTED

ABBREVIATIONS:  
AWB ABOVE WHITE BOARD  
CR CARD READER  
IC INTERCOM  
ICM INTERCOM MASTER  
S SPEAKER

KEYPLAN



CONSTRUCTION DOCUMENTS

REVISIONS

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DRAWN BY	CSK
REVIEWED BY	JMM
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

TECHNOLOGY SYSTEMS FLOOR PLAN - AREA B

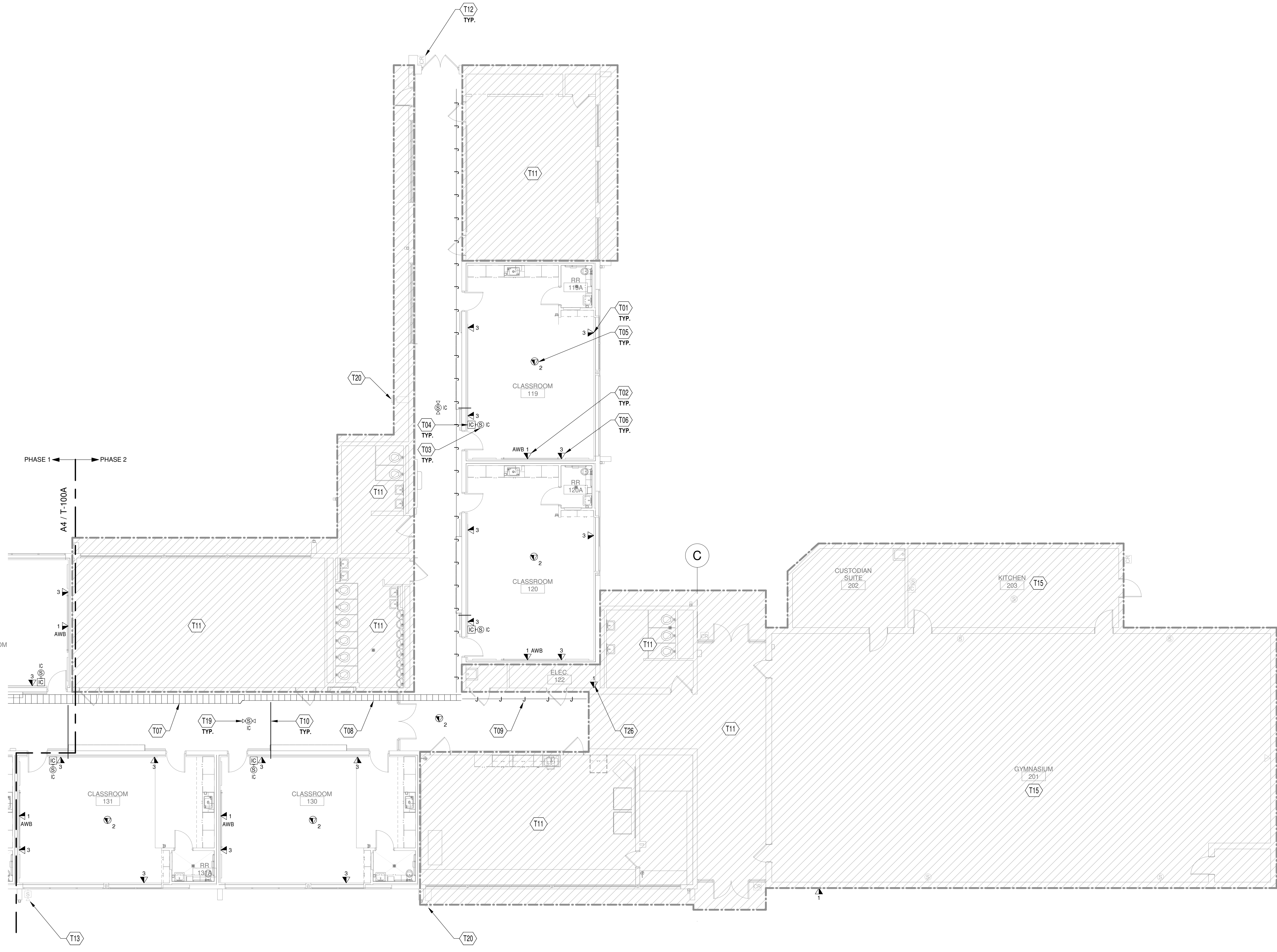
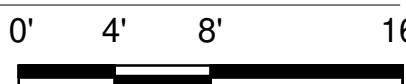
SHEET NO

T-100B

A4

TECHNOLOGY SYSTEMS FLOOR PLAN - AREA B

SCALE: 1/8" = 1'-0"



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Bridgers & Paxton Project No: 8022

Portales Brown Early Childhood Center, Project #S20-008, PSFCC FUNDED







**GENERAL SHEET NOTES**

- A. CONTRACTOR TO INSURE ALL COMMUNICATIONS CABLING REMAIN UNDAMAGED. CABLING SHALL BE FREE OF CUTS, KINKS, STRETCHED, SOLVENTS AND PAINTS. DAMAGED CABLING SHALL BE REPLACED.
- B. PROPERLY FIRE STOP AND SEAL ALL PENETRATIONS THROUGH WALLS, FLOORS, CEILINGS, AND ROOF AS PER OWNER, CODE, AND AHJ.
- C. PRIOR TO INSTALLATION OF CABLE TRAY COORDINATE LOCATIONS WITH ALL OTHER TRADES. NOT ALL PARTS AND PIECES ARE SHOWN FOR A COMPLETE SYSTEM. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE END-TO-END WARRANTED SOLUTION FOR THE HORIZONTAL CABLING.
- D. ALL CABLING TO BE PLENUM RATED THROUGHOUT THE BUILDING.
- E. ALL COMMUNICATIONS CABLING TO MEET OR EXCEED CATEGORY 6 STANDARDS, WITH EXCEPTION TO CEILING DATA AND PROJECTOR LOCATIONS TO MEET OR EXCEED CATEGORY 6A STANDARDS.
- F. ALL CABLING TO BE COLOR CODED TO SCHOOL DISTRICTS DIRECTION. ALL LOW-VOLTAGE APPLIES TO INCLUDE BUT NOT LIMITED TO DATA, PHONE, PROJECTOR(AUDIO-VISUAL), ACCESS POINTS, SERVERS, PAGING, SURVEILLANCE, ACCESS CONTROL, FIRE ALARM.
- G. TELECOMMUNICATIONS OUTLETS TO BE MOUNTED AT 18" A.F.F. (BOTTOM OF BOX) UNLESS OTHERWISE NOTED. FOR EXAMPLE, DEVICES SPECIFIED AT 18" A.F.F. SHALL MATCH THE STANDARD MOUNTING HEIGHT FOR POWER RECEPTACLES AND TELECOMMUNICATIONS OUTLETS. DEVICES SPECIFIED AT 48" A.F.F. SHALL MATCH THE STANDARD MOUNTING HEIGHT FOR LIGHT SWITCHES ETC.
- H. ALL JUNCTION BOXES IN FURRED OUT WALLS TO BE 2-1/2" DEEP MINIMUM. ANY BOXES, CONDUITS, AND PATHWAYS THAT REQUIRE TO BE SURFACE MOUNTED DUE TO EXISTING CONDITIONS, SHALL BE COORDINATED WITH ARCHITECT AND ENGINEER.
- I. ALL CONDUITS FOR TELECOMMUNICATIONS OUTLETS SHALL BE STEEL, THINWALL ELECTRICAL METALLIC TUBING (TYPE EMT) UNLESS OTHERWISE NOTED. UNDER NO CIRCUMSTANCES SHALL FLEXIBLE CONDUIT BE USED FOR PATHWAYS INDICATED ON THIS SHEET. ALL CONDUITS ARE TO BE AT A MINIMUM 1-1/4" TRADE SIZE, UNLESS OTHERWISE NOTED. ALL CONDUITS FOR TELECOMMUNICATIONS OUTLETS ARE TO BE STUBBED TO NEAREST CABLE TRAY. CONTRACTOR IS TO ENSURE THAT NO CONDUIT EXCEEDS 40% FILL.
- J. CABLE TRAY SYSTEMS SHOWN ON THIS SHEET SHALL BE USED FOR VOICE AND DATA CABLING ONLY. ALL OTHER SYSTEMS INCLUDING, BUT NOT LIMITED TO, FIRE ALARM, SECURITY, HVAC CONTROL, ETC. SHALL BE SUPPORTED BY OTHER MEANS. J-HOOKS ATTACHED TO THE CABLE TRAY SUPPORTS WILL BE PERMITTED. LIKEWISE, ANY CONDUITS PROVIDED FOR VOICE AND DATA CABLING IS NOT TO BE USED BY ANY OTHER SYSTEM. HENCE, SEPARATE CONDUITS MAY NEED TO BE PROVIDED FOR THE SUPPORT OF THESE SYSTEMS.
- K. NUMBER ADJACENT TO TELECOMMUNICATIONS OUTLET SYMBOL, REPRESENTS NUMBER OF CATEGORY 6 CABLES TO BE INSTALLED AND TERMINATED AT THAT LOCATION.
- L. ALL CONDUIT PATHWAYS SHALL BE PROVIDED WITH NYLON BUSHINGS TO PROTECT CABLES, REGARDLESS OF WHETHER THEY TERMINATE IN A DEVICE OR JUNCTION BOX.
- N. GROUP DATA OUTLETS TOGETHER WITH POWER OUTLETS (WHERE APPLICABLE). REFER TO "EP" SERIES SHEETS FOR POWER OUTLET LOCATIONS.

**NOTE**  
ELECTRICAL CONTRACTOR MUST COMPLY WITH ALL  
2017 NATIONAL ELECTRICAL / NEW MEXICO  
ELECTRICAL / NEW MEXICO ADMINISTRATIVE CODES

**KEYNOTES**

- T01 TELECOMMUNICATIONS DATA OUTLET. PROVIDE 4-11 1/4" SQ. BY 2-1/8" DEEP STEEL BOX WITH 1-1/4" K.O. PROVIDE A SINGLE GANG RING RAISED TO FINISHED WALL SURFACE. PROVIDE 1-1/4" EMT CONDUIT UP INTO ACCESSIBLE CEILING SPACE. PROVIDE PULL STRING TO SPAN BOTH ENDS. PROVIDE CATEGORY 6 CABLING AND MODULAR JACK TERMINATIONS. ROUGH-IN FOR WALL MOUNTED SHORT THROW PROJECTOR. PROVIDE ROUGH-IN STRUCTURAL BACKING AS SHOWN ON DETAIL D1 ON SHEET T-011. PROVIDE STANDARD TELECOMMUNICATIONS DATA OUTLET. PROVIDE A FOUR PORT ANGLED FACEPLATE WITH ONE CATEGORY 6A CABLE AND MODULAR JACK TERMINATION, AND THREE BLANK INSERTS FOR FUTURE LOW VOLTAGE.
- T02 INTERCOM CALL SWITCH MOUNTED AT 48" A.F.F. WIRED TO ROOM INTERCOM SPEAKER COMPLETE FOR OPERATION. WIRE TO HEAD-END EQUIPMENT. THIS IS PROVIDED AS BASE BID TO ALL INTERCOM CALL SWITCHES THROUGHOUT ENTIRE BUILDING.
- T03 SURFACE WALL MOUNTED PAGING LOUDSPEAKER WITH TALKBACK FOR DISTRIBUTED INTERCOM-PAGING SYSTEM. COORDINATE SIGNAL PULL BOX TYPE AND ROUGH-IN LOCATION WITH EQUIPMENT INSTALLER PRIOR TO COMMENCING ANY WORK. REFER TO SPECIFICATION SECTION 27 51 23 FOR ADDITIONAL REQUIREMENTS. WIRE BACK TO HEAD-END EQUIPMENT. THIS IS PROVIDED AS BASE BID TO ALL PAGING LOUD SPEAKERS THROUGHOUT ENTIRE BUILDING.
- T04 CEILING TELECOMMUNICATIONS DATA OUTLET. PROVIDE IN CEILING PLENUM RATED BOX FOR FUTURE CONNECTION TO EXISTING SCHOOL WIRELESS ACCESS POINTS AND SURVEILLANCE CAMERAS. MOUNT BOX SUPPENDED IN CEILING. PROVIDE CATEGORY 6A CABLING AND TERMINATIONS. COORDINATE LOCATION AND COLOR CODE WITH REQUIREMENTS PER GENERAL NOTE G WITH SCHOOL DISTRICT PRIOR TO ROUGH-IN.
- T05 TELECOMMUNICATIONS DATA OUTLET. INTERBEETWEEN THE WHITEBOARD AND TACKBOARD. PROVIDE A 2-GANG BACK BOX 2-1/2" DEEP. PROVIDE GANGS FOR (1) DUPLEX DECORA, (1) 2-PORT DECORA CATEGORY 6, AND (1) BRUSH GROMMETED DECORA. MOUNT AT 80" ABOVE FINISHED FLOOR. PROVIDE VOLTAGE DIVIDER PLATE TO SEPARATE HIGH AND LOW VOLTAGE GANGS. PROVIDE 1-1/4" EMT FOR DATA CONDUIT UP INTO ACCESSIBLE CEILING SPACE. PROVIDE 3/4" CONDUIT FOR POWER. PROVIDE PULL STRING TO SPAN BOTH ENDS. PROVIDE CATEGORY 6 CABLING AND MODULAR JACK TERMINATIONS.
- T10 2" CONDUIT SLEEVE THROUGH WALL AND/OR SOFFIT FOR VOICE, DATA, AND INTERCOM CABLING. PROVIDE PLASTIC BUSHINGS ON BOTH ENDS TO PROTECT CABLES.
- T12 EXISTING ACCESS CONTROL, HANDICAP DOOR OPERATORS, AND CABLING TO REMAIN. PROTECT CABLING AND PATHWAYS AS NEEDED DURING REMODEL.
- T13 EXISTING INTERCOM EXTERIOR SPEAKER TO REMAIN. REMOVE OLD CABLING AND PROVIDE NEW CABLING TO SPEAKER.
- T15 EXISTING INTERCOM BOXES AND SPEAKERS IN GYMNASIUM AND KITCHEN TO REMAIN. REMOVE OLD CABLING AND PROVIDE NEW CABLING TO SPEAKERS AND INTERCOM CALL SWITCH.
- T16 PROVIDE (1) 2" CONDUIT FROM CABLE TRAY, ROUTE DOWN WALL INTO FLOOR AND OVER TO POINT WALL FOR STRUCTURE. PROVIDE PULL STRING TO SPAN BOTH ENDS. CATEGORY 6 OSP TO BE USED FROM TERMINATION AT OUTLET TO CABLE TRAY. PROVIDE PLENUM RATED TRANSITION FROM OSP TO PLENUM RATED CABLING. COMMSCOPE IN CEILING CONNECTOR ASSEMBLY #F0224921, OR EQUAL.
- T17 PROVIDE A 3-GANG BACK BOX 2-1/2" DEEP. PROVIDE GANGS FOR (1) DUPLEX DECORA, (1) 2-PORT DECORA CATEGORY 6, AND (1) HDM DECORA INSERT(C2941043 OR EQUAL) MOUNTED AT 18" ABOVE FINISHED FLOOR. PROVIDE VOLTAGE DIVIDER PLATE TO SEPARATE HIGH AND LOW VOLTAGE GANGS. REFER TO TECHNOLOGY DIAGRAMS ON SHEET T-001 FOR BOX, CONDUIT, AND PATHWAY DETAILS. PROVIDE AND COORDINATE LENGTH OF HDM 2.0 CABLE PRIOR TO INSTALL.
- T18 PROVIDE A 3-GANG BACK BOX 2-1/2" DEEP. PROVIDE GANGS FOR (1) DUPLEX DECORA, (1) 2-PORT DECORA CATEGORY 6, AND (1) HDM DECORA INSERT(C2941043 OR EQUAL) MOUNTED AT 18" ABOVE FINISHED FLOOR. PROVIDE VOLTAGE DIVIDER PLATE TO SEPARATE HIGH AND LOW VOLTAGE GANGS. REFER TO TECHNOLOGY DIAGRAMS ON SHEET T-001 FOR BOX, CONDUIT, AND PATHWAY DETAILS.
- T19 BI-DIRECTIONAL CORRIDOR SPEAKER FOR INTERCOM PAGING. COORDINATE LOCATION WITH ALL OTHER TRADES PRIOR TO ROUGH-IN. THIS IS PROVIDED AS BASE BID TO ALL PAGING LOUD SPEAKERS THROUGHOUT ENTIRE BUILDING.
- T20 EXISTING SURVEILLANCE CAMERA TO REMAIN. REFER TO DEMOLITION T SHEETS FOR REQUIREMENTS ON WORK.
- T21 EXISTING SURVEILLANCE CAMERA TO BE RELOCATED FOR BID LOT#1
- T22 BOX AND CONDUIT ROUGH-IN FOR ACCESS CONTROL. ACCESS CONTROL SYSTEM IS POE INFIRNAS CONTROLLER. PROVIDE ALL LOW-VOLTAGE CABLING FOR COMPLETE DOOR ACCESS. PROVIDE CATEGORY 6 CABLING BACK TO ACCESS CONTROL HEAD-END. REFER TO DETAIL A4 ON SHEET T-002 FOR ROUGH-IN REQUIREMENTS.
- T23 PROVIDE BOX AND CONDUIT FOR AUTOMATIC DOOR OPENER PUSH BUTTON/PLATE. COORDINATE SYSTEM AND LOCATION OF EXTERIOR BOX WITH EXISTING CONDITIONS AND ARCHITECT PRIOR TO ROUGH-IN. REFER TO ELEC. SHEETS FOR ELECTRICAL REQUIREMENTS.
- T24 UNDERGROUND CONDUIT PATHWAY. REFER TO TS-101 SITE PLAN FOR PATHWAY REQUIREMENTS.
- T25 ALL DEVICES UNDER TABLE TOPS WILL BE MOUNTED AT 1'-6" AND HORIZONTAL.
- T26 DATA DEVICE FOR LIGHTING RELAY PANEL. COORDINATE LOCATION WITH PANEL. REFER TO ELEC. SHEETS FOR ADDITIONAL REQUIREMENTS.
- T27 DATA DEVICE FOR ELECTRICAL METERED UNIT. COORDINATE LOCATION WITH METERED UNIT. REFER TO ELEC. SHEETS FOR ADDITIONAL REQUIREMENTS.

**TECH. PLAN LEGEND**

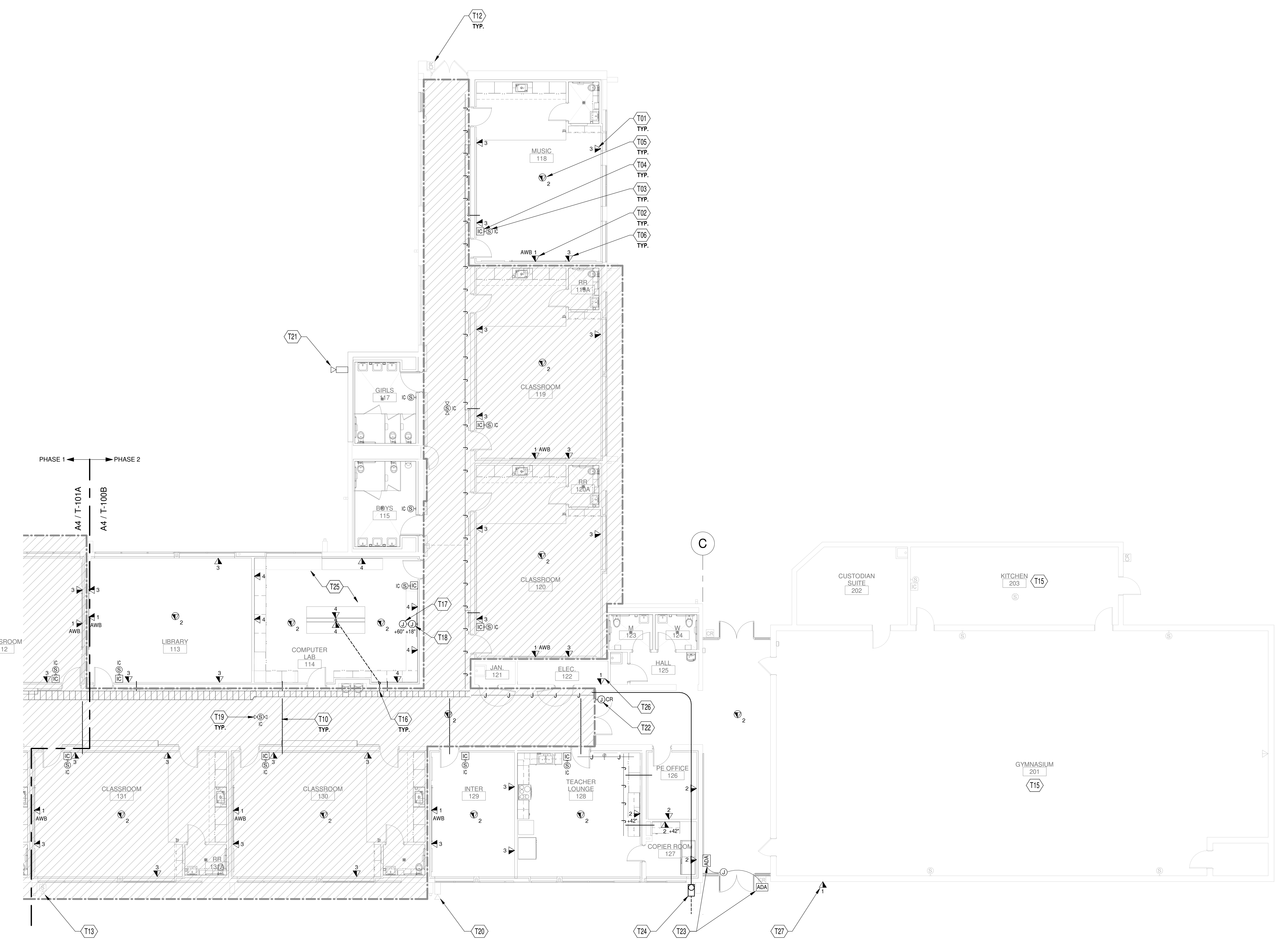
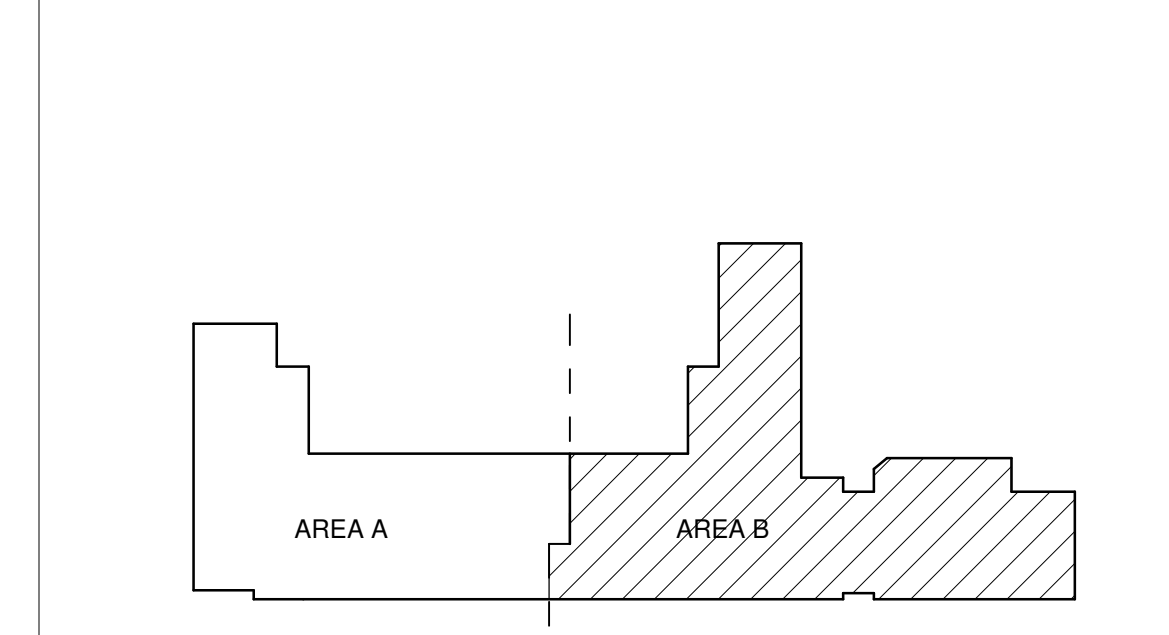
INTERCOMMUNICATIONS & PROGRAM SYSTEMS UPGRADE OF ENTIRE BUILDING IS PART OF BASE BID.  
TELECOMMUNICATIONS CATEGORY CABLING & TERMINATIONS OF ENTIRE BUILDING IS PART OF BASE BID.

NO WORK; UNLESS OTHERWISE NOTED

**ABBREVIATIONS:**

- AWB ABOVE WHITE BOARD
- CR CARD READER
- IC INTERCOM
- ICM INTERCOM MASTER
- S SPEAKER

**KEYPLAN**



**A4 TECHNOLOGY SYSTEMS FIRST FLOOR PLAN - AREA B - BID LOT #1**  
SCALE: 1/8" = 1'-0"  
0' 4' 8' 16'

Portales Brown Early Childhood Center, Project #S20-008, PSFCC FUNDED

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Bridgers & Paxton Project No: 8022



Portales Brown Early Childhood Center, Project #S20-008, FSCOC FUNDED

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DRAWN BY	CSK
REVIEWED BY	JMM
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	

ENLARGED TECHNOLOGY PLANS

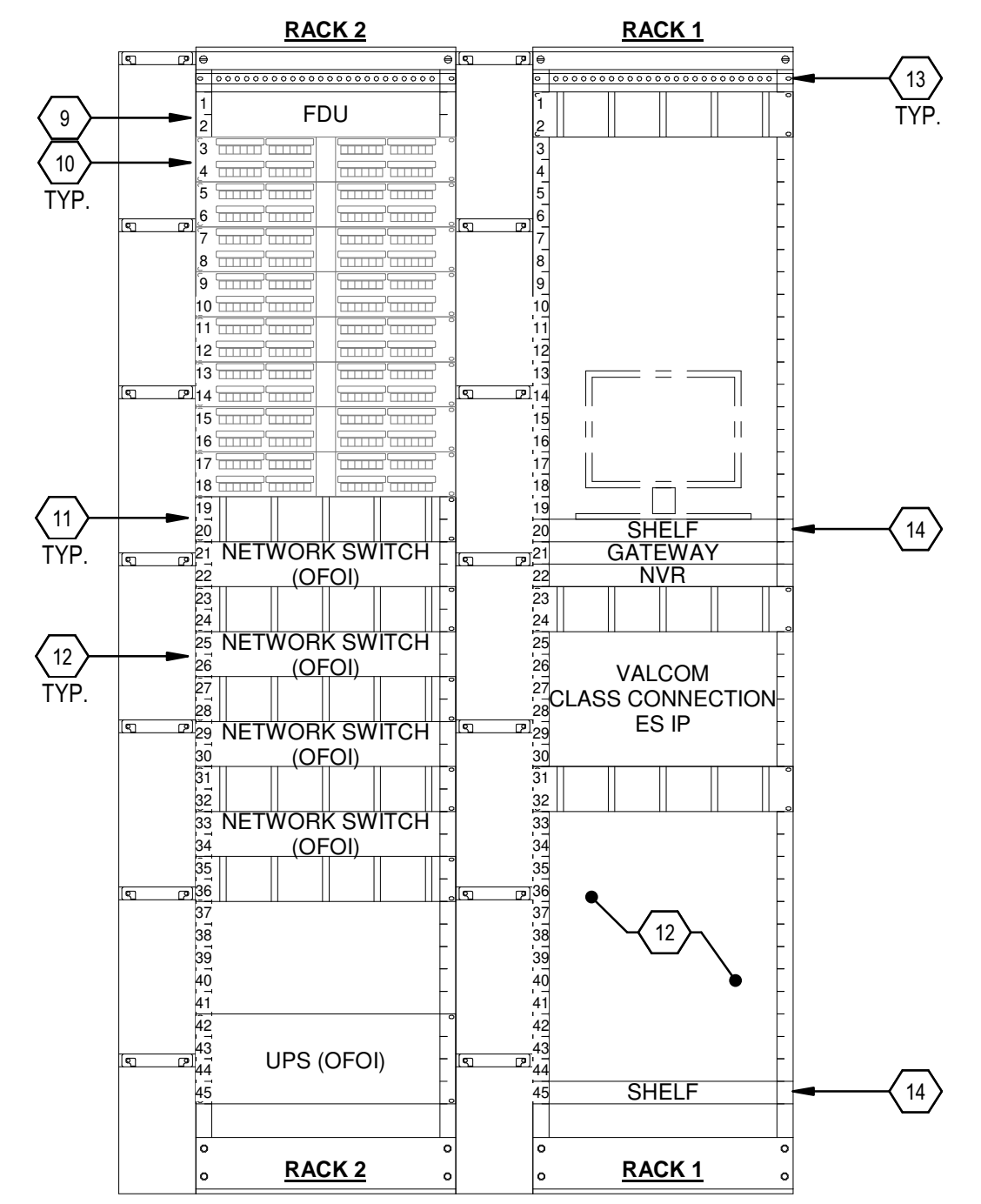
**NOTE**  
ELECTRICAL CONTRACTOR MUST COMPLY WITH ALL 2017 NATIONAL ELECTRICAL / NEW MEXICO ELECTRICAL / NEW MEXICO ADMINISTRATIVE CODES

**GENERAL SHEET NOTES**

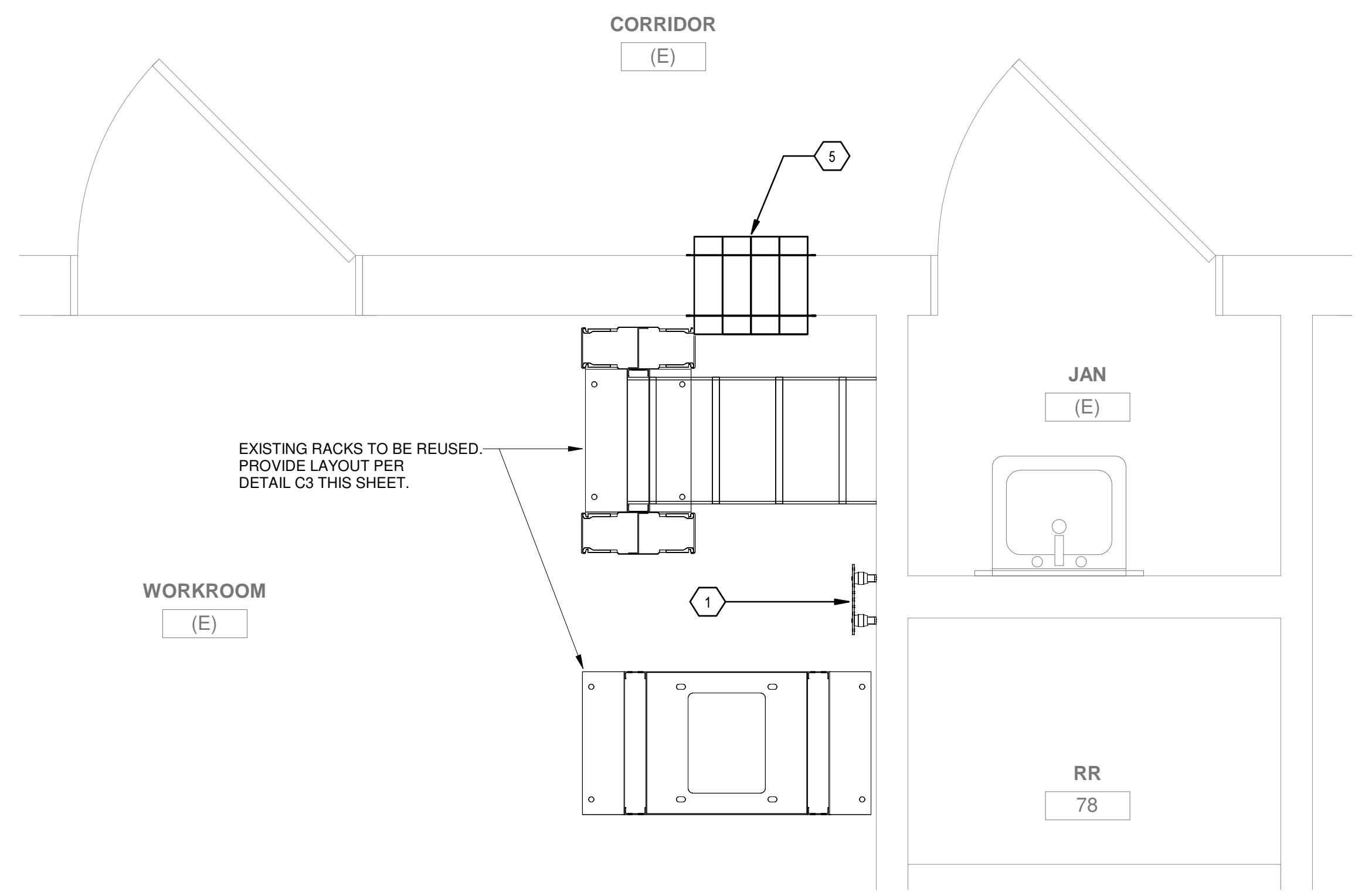
- CONTRACTOR TO INSURE ALL COMMUNICATIONS CABLING REMAIN UNDAMAGED. CABLING SHALL BE FREE OF CUTS, KINKS, STRETCHED, SOLVENTS AND PAINTS. DAMAGED CABLING SHALL BE REPLACED.
- PROPERLY FIRE STOP AND SEAL ALL PENETRATIONS THROUGH WALLS, FLOORS, CEILINGS, AND ROOF AS PER OWNER, CODE, AND AHJ.
- PRIOR TO INSTALLATION OF CABLE TRAY COORDINATE LOCATIONS WITH ALL OTHER TRADES. NOT ALL PARTS AND PIECES ARE SHOWN FOR A COMPLETE SYSTEM. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE END-TO-END WARRANTED SOLUTION FOR THE HORIZONTAL CABLING.
- ALL CABLING TO BE FLENUM RATED THROUGHOUT THE BUILDING.
- ALL COMMUNICATIONS CABLING TO MEET OR EXCEED CATEGORY 6 STANDARDS, WITH EXCEPTION TO CEILING DATA AND PROJECTOR LOCATIONS TO MEET OR EXCEED CATEGORY 6A STANDARDS.
- ALL CABLING TO BE COLOR CODED TO SCHOOL DISTRICTS DIRECTION. ALL LOW-VOLTAGE APPLIES TO INCLUDE BUT NOT LIMITED TO DATA, PHONE, PROJECTOR(AUDIO-VISUAL), ACCESS POINTS, SERVERS, PAGING, SURVEILLANCE, ACCESS CONTROL, FIRE ALARM.
- TELECOMMUNICATIONS OUTLETS TO BE MOUNTED AT +18" A.F.F. (BOTTOM OF BOX) UNLESS OTHERWISE NOTED. FOR EXAMPLE, DEVICES SPECIFIED AT +18" A.F.F. SHALL MATCH THE STANDARD MOUNTING HEIGHT FOR POWER RECEPTACLES AND TELECOMMUNICATIONS OUTLETS. DEVICES SPECIFIED AT +48" A.F.F. SHALL MATCH THE STANDARD MOUNTING HEIGHT FOR LIGHT SWITCHES ETC.
- ALL JUNCTION BOXES IN FURRED OUT WALLS TO BE 2-1/2" DEEP MINIMUM. ANY BOXES, CONDUITS, AND PATHWAYS THAT REQUIRE TO BE SURFACE MOUNTED DUE TO EXISTING CONDITIONS, SHALL BE COORDINATED WITH ARCHITECT AND ENGINEER.
- ALL CONDUITS FOR TELECOMMUNICATIONS OUTLETS SHALL BE STEEL THINWALL ELECTRICAL METALLIC TUBING (TYPE EMT) UNLESS OTHERWISE NOTED. UNDER NO CIRCUMSTANCES SHALL FLEXIBLE CONDUIT BE USED FOR PATHWAYS INDICATED ON THIS SHEET. ALL CONDUITS ARE TO BE AT A MINIMUM 1-1/4" TRADE SIZE, UNLESS OTHERWISE NOTED. ALL CONDUITS FOR TELECOMMUNICATIONS OUTLETS ARE TO BE STUBBED TO NEAREST CABLE TRAY. CONTRACTOR IS TO ENSURE THAT NO CONDUIT EXCEEDS 40% FILL.
- CABLE TRAY SYSTEMS SHOWN ON THIS SHEET SHALL BE USED FOR VOICE AND DATA CABLING ONLY. ALL OTHER SYSTEMS INCLUDING, BUT NOT LIMITED TO, FIRE ALARM, SECURITY, HVAC CONTROL, ETC. SHALL BE SUPPORTED BY OTHER MEANS. J-HOOKS ATTACHED TO THE CABLE TRAY SUPPORTS WILL BE PERMITTED. LIKEWISE, ANY CONDUITS PROVIDED FOR VOICE AND DATA CABLING IS NOT TO BE USED BY ANY OTHER SYSTEM. HENCE, SEPARATE CONDUITS MAY NEED TO BE PROVIDED FOR THE SUPPORT OF THESE SYSTEMS.
- NUMBER ADJACENT TO TELECOMMUNICATIONS OUTLET SYMBOL REPRESENTS NUMBER OF CATEGORY 6 CABLES TO BE INSTALLED AND TERMINATED AT THAT LOCATION.
- ALL CONDUIT PATHWAYS SHALL BE PROVIDED WITH NYLON BUSHINGS TO PROTECT CABLES, REGARDLESS OF WHETHER THEY TERMINATE IN A DEVICE OR JUNCTION BOX.
- GROUP DATA OUTLETS TOGETHER WITH POWER OUTLETS (WHERE APPLICABLE). REFER TO "EP" SERIES SHEETS FOR POWER OUTLET LOCATIONS.

**KEYNOTES**

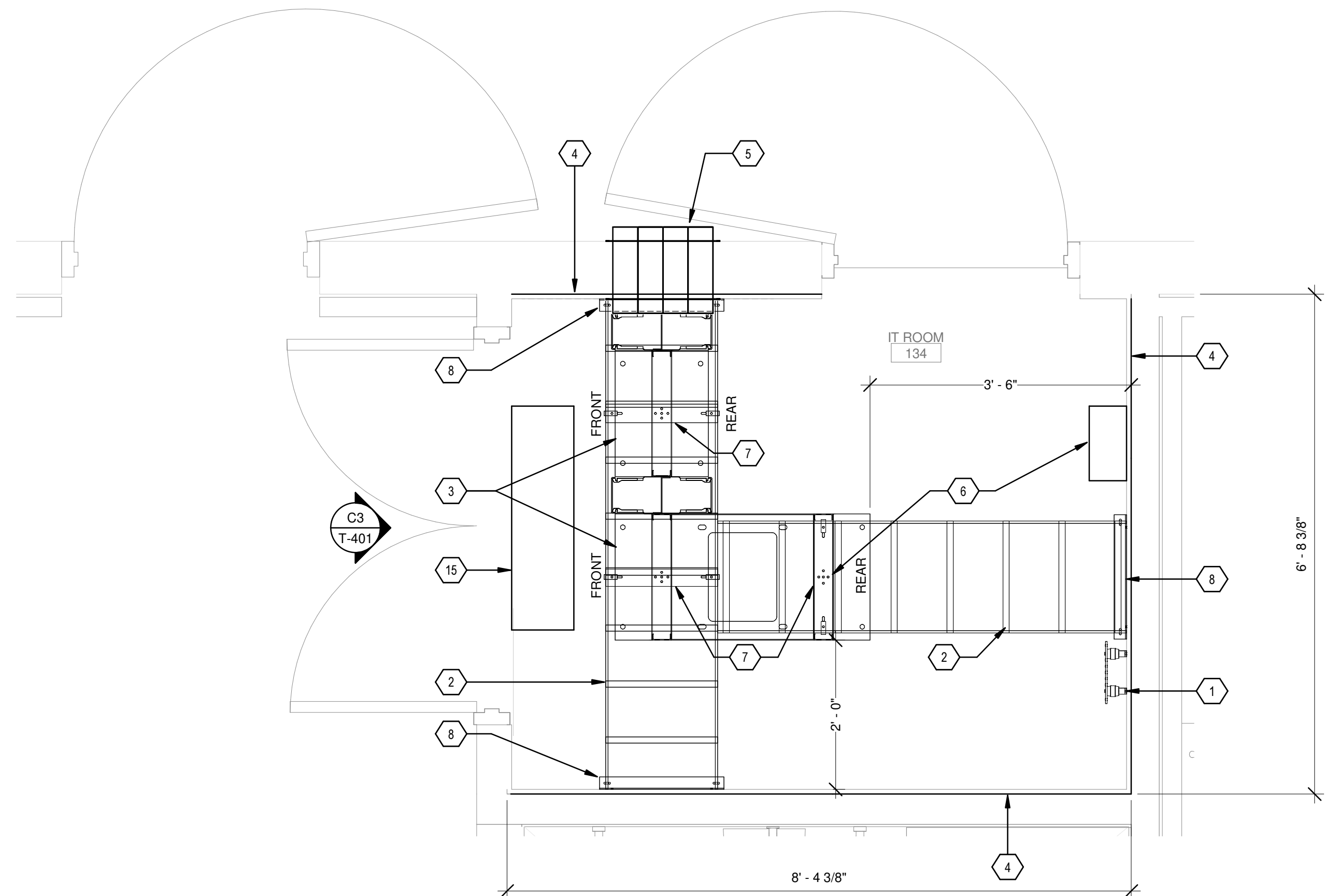
- PROVIDE TELECOMMUNICATIONS GROUNDING BUSBAR. GROUND AND BOND ALL EQUIPMENT AND RACKS. REFER TO GROUNDING DETAILS ON SHEET T-501.
- PROVIDE 8" WIDE LADDER RACK CABLE TRAY MOUNTED 6" ABOVE RACKS.
- SHIFT EXISTING RACKS AND RE-ANCHOR TO NEW LOCATION. RACKS WILL BE MOVING APPROXIMATELY 15' PLAN EAST FROM EXISTING LOCATION. EXISTING CABLING TO REMAIN. PROTECT EQUIPMENT AND CABLING DURING DEMOLITION AND REINSTALL. COORDINATE WORK WITH OWNER AND ARCHITECT TO KEEP NETWORK OPERATIONAL AS NEEDED.
- 3/4" A.C. GRADE FIRE RESISTANT PLYWOOD WITH 2 COATS OF FIRE RESISTANT PAINT ON WALLS. LEAVE WINDOW WITH GRADE STAMP UNPAINTED.
- PROVIDE FIRE RATED PATHWAY STI EZ PATH 44+. PROVIDE (1) #E2P544W, (4) #E2D44S2, (4)#E2RCM44S. REFER TO OLD WORK INSTALLATION FOR ANY EXISTING CABLING IN EXISTING PATHWAYS.
- LIFT MOVE EXISTING RACK MOUNTED 10'X10'X8" ENCLOSURE AND SENSORMATIC ACCESS CONTROL ENCLOSURE TO WALL FIELD.
- PROVIDE 3" RUNWAY MOUNTING PLATE, CPI#10595-710 OR EQUAL. PROVIDE 6" ELEVATION KIT, CPI#10595-705 OR EQUAL.
- PROVIDE WALL ANGLE SUPPORT KIT, CPI#1142-718 OR EQUAL.
- EXISTING FIBER DISTRIBUTION UNIT.
- PROVIDE A 48 PORT UNLOADED ANGLED PATCH PANEL FOR MODULAR JACK CONNECTIONS.
- PROVIDE 2U HORIZONTAL CABLING MANAGERS, PANDUIT #WMPPIE, OR EQUAL.
- ACTIVE NETWORK EQUIPMENT, OWNER PROVIDED OWNER INSTALLED. PROVIDE 2U EQUIPMENT SUPPORT BRACKET, CPI #12312-701.
- 19" WIDE GROUND BUS BAR MOUNTED TO REAR OF RACK.
- PROVIDE 1-POST FIXED SHELF, CPI #1833-719.
- HVAC SPLIT SYSTEM ABOVE DOOR FRAME. REFER TO MECHANICAL DRAWINGS FOR REQUIREMENTS.



**C3 TELE ELEV - ER/TR RACK ELEVATION**  
SCALE: NO SCALE



**A1 TECHNOLOGY SYSTEMS ENLARGED FLOOR PLAN - WORK ROOM BASE BID**  
SCALE: 3/4" = 1'-0"



**A3 TECHNOLOGY SYSTEMS ENLARGED FLOOR PLAN - IT ROOM 134 BID LOT #1**  
SCALE: 3/4" = 1'-0"

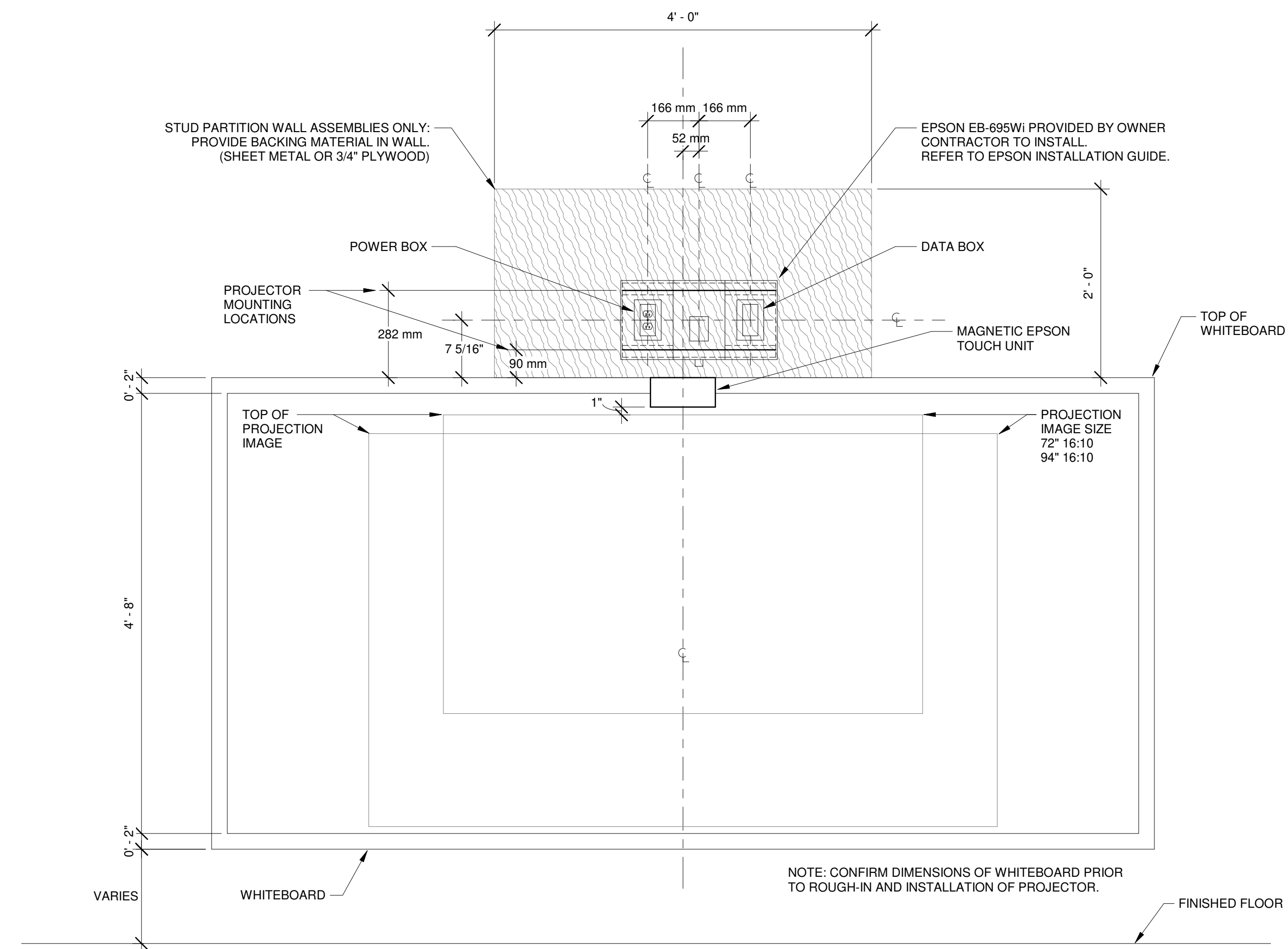
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Bridgers & Paxton Project No: 8022



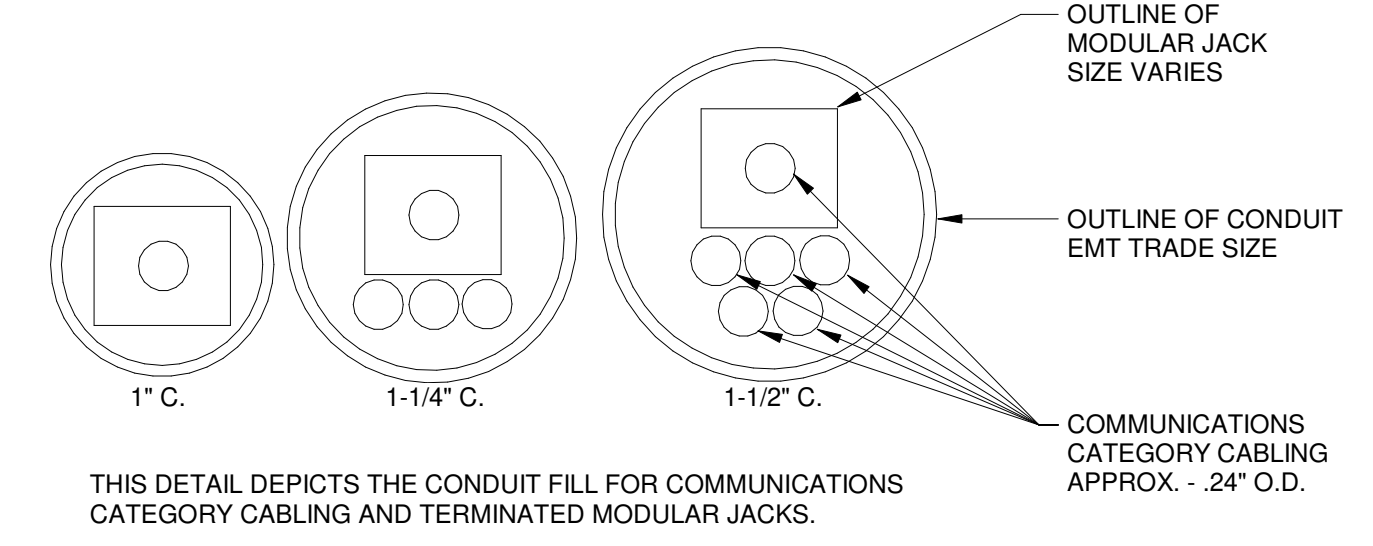
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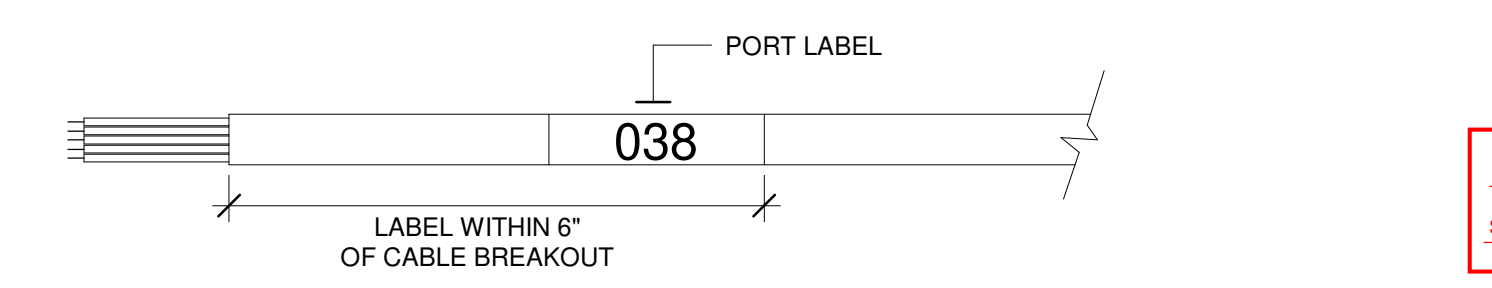
DRAWN BY	CSK
REVIEWED BY	JMM
DATE	12/10/2019
PROJECT NO	18-0032
PSFA PRE-K PROJECT NO:	K-18-011
PSFA SYSTEMS PROJECT NO:	S-20-008
DRAWING NAME	TECHNOLOGY DETAILS



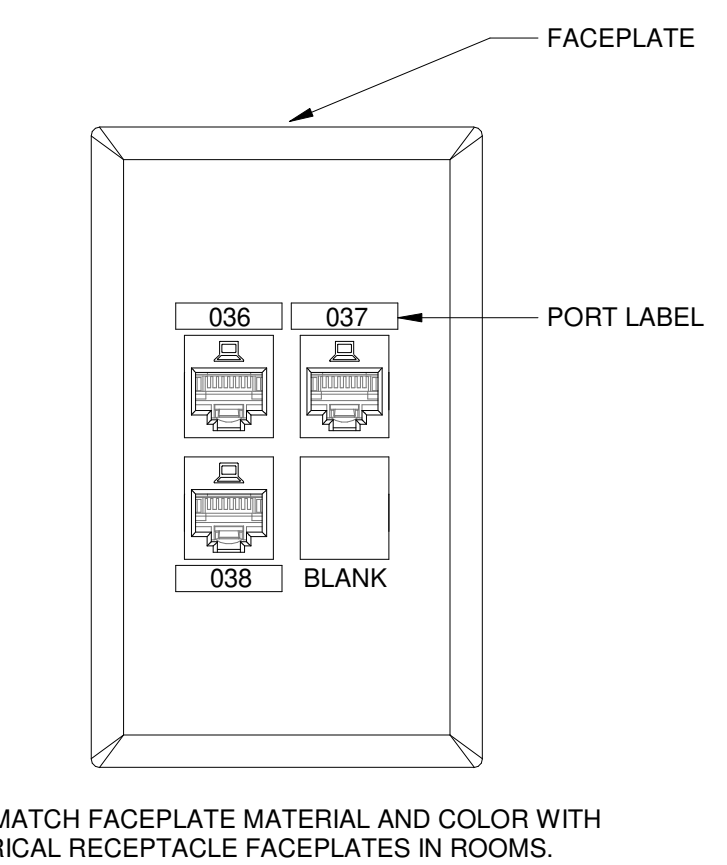
**D1 ROUGH-IN AND STRUCTURAL BACKING FOR SHORT THROW PROJECTOR**  
SCALE: NO SCALE



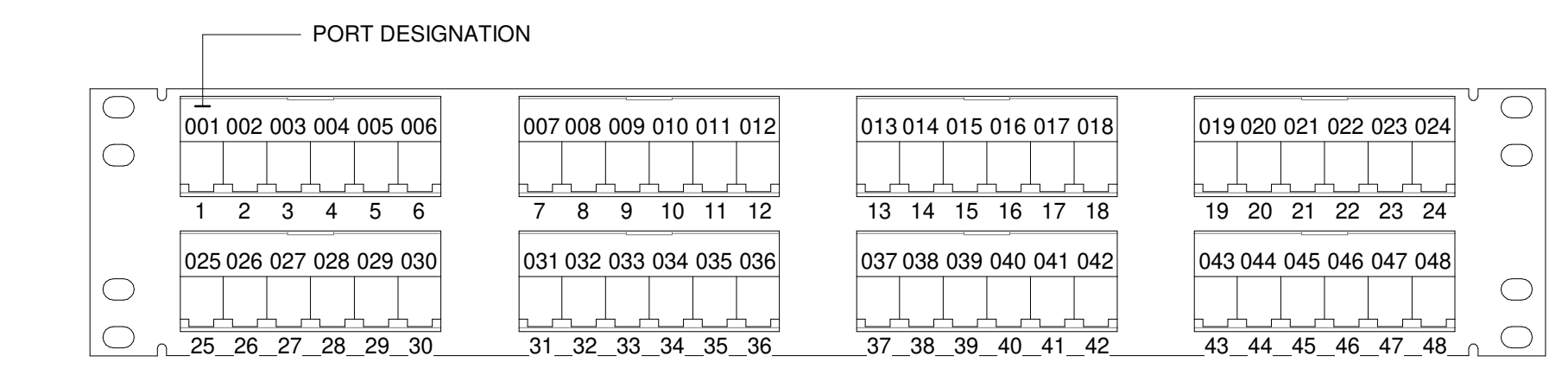
**E4 CABLE CONDUIT FILL**  
SCALE: NO SCALE



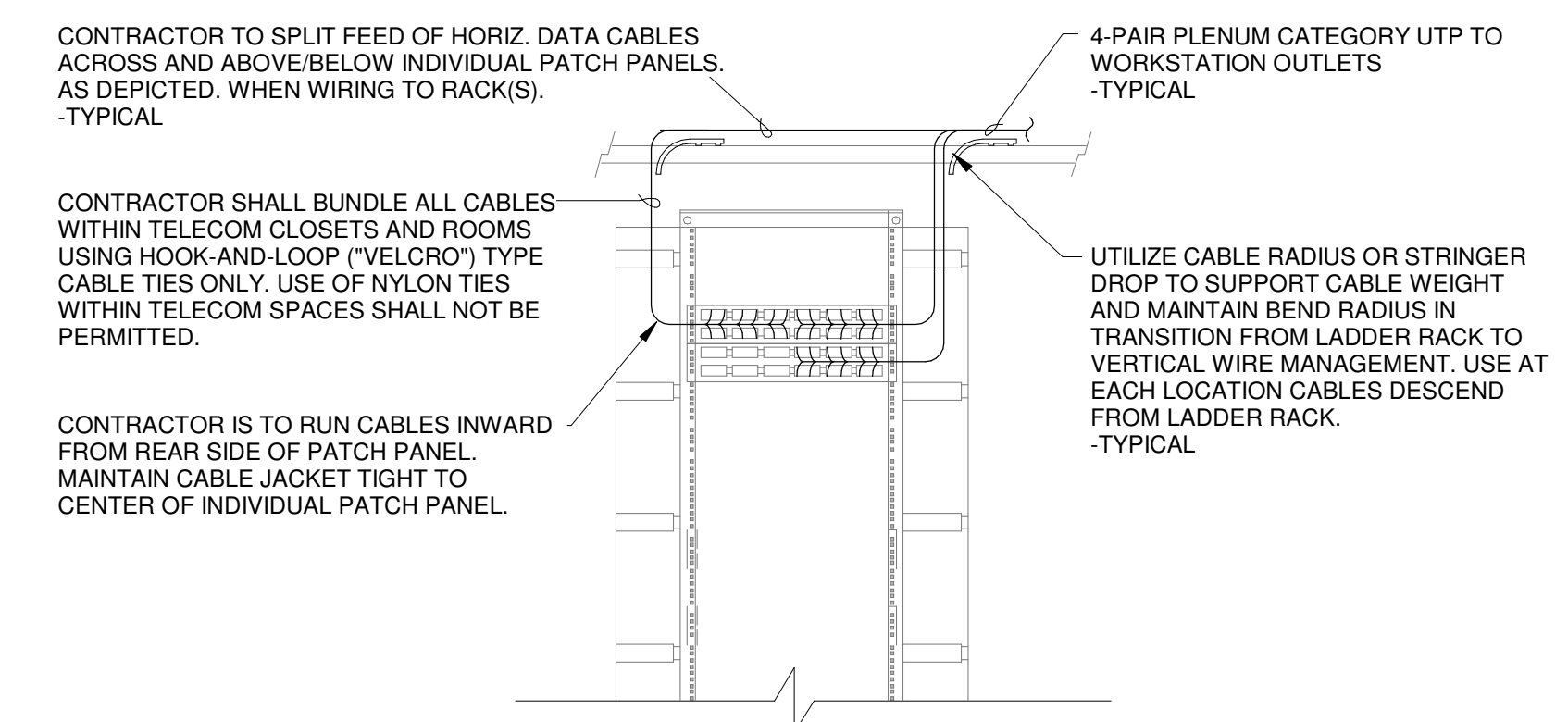
**E5 TYPICAL CABLE IDENTIFICATION SCHEME**  
SCALE: NO SCALE



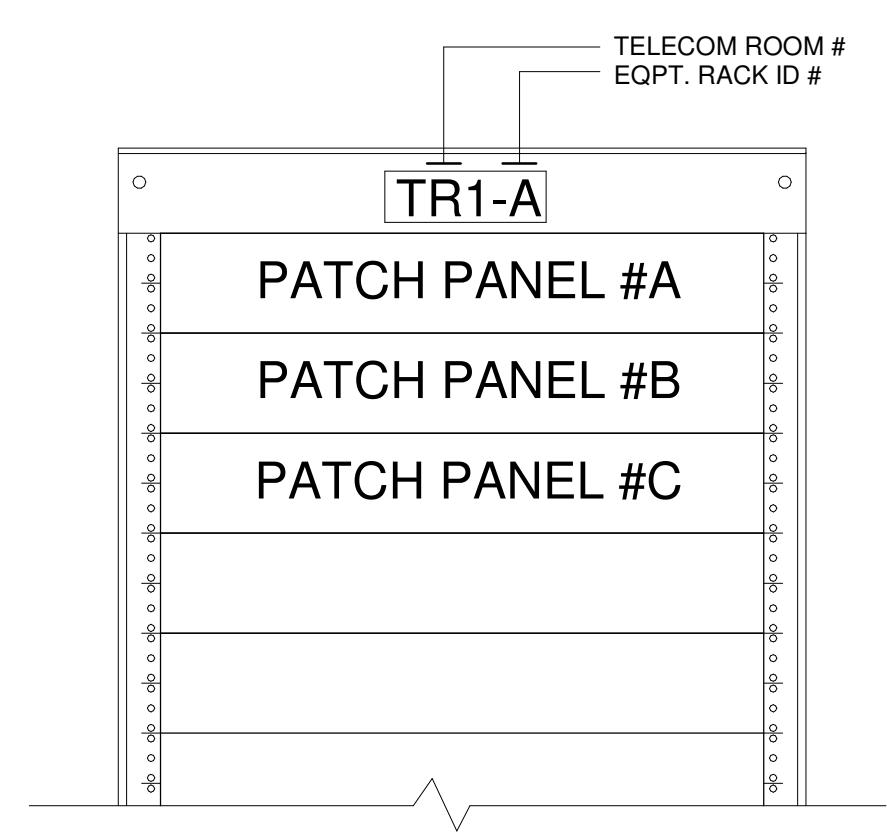
**D5 STANDARD TELECOM OUTLET IDENTIFICATION SCHEME (TYPICAL)**  
SCALE: NO SCALE



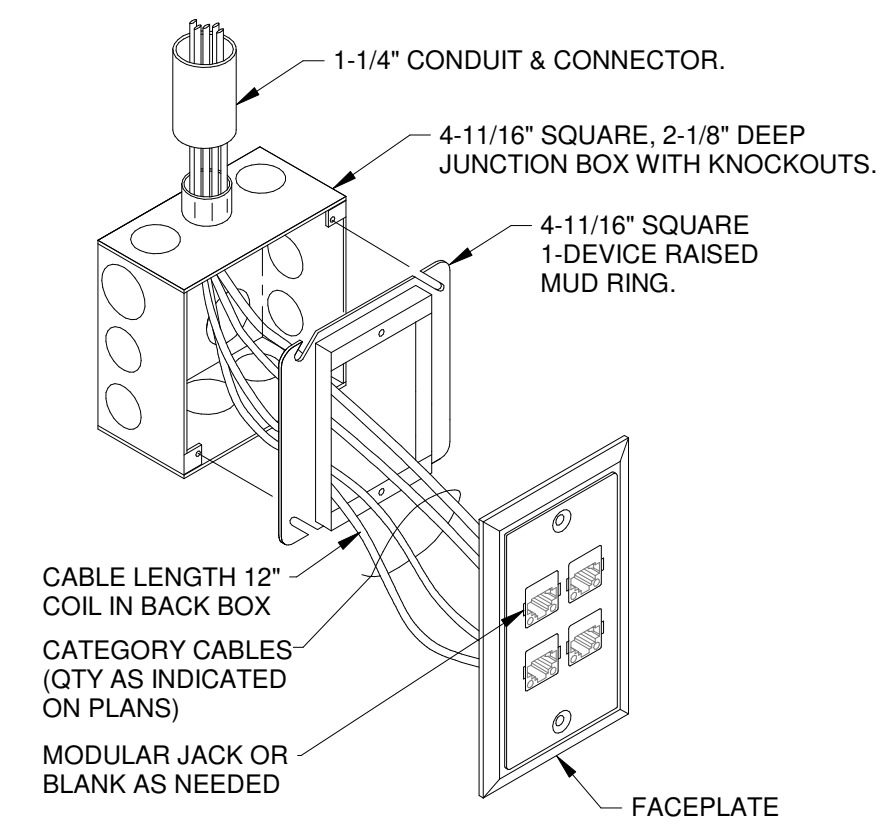
**C1 PATCH PANEL LABELING (TYPICAL)**  
SCALE: NO SCALE



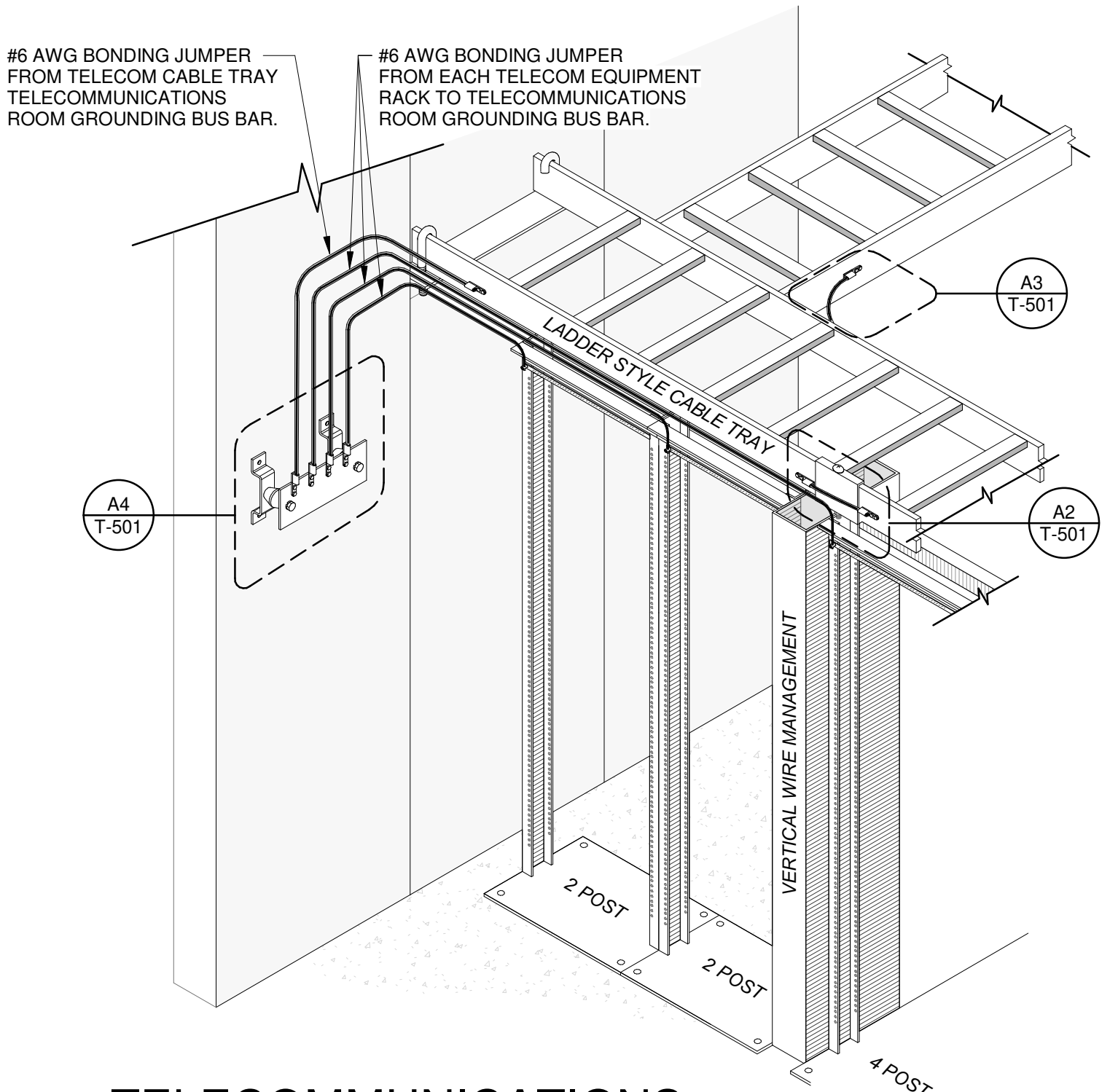
**B2 TYPICAL TELECOMMUNICATION RACK WIRING METHODOLOGY REAR ELEV.**  
SCALE: NO SCALE



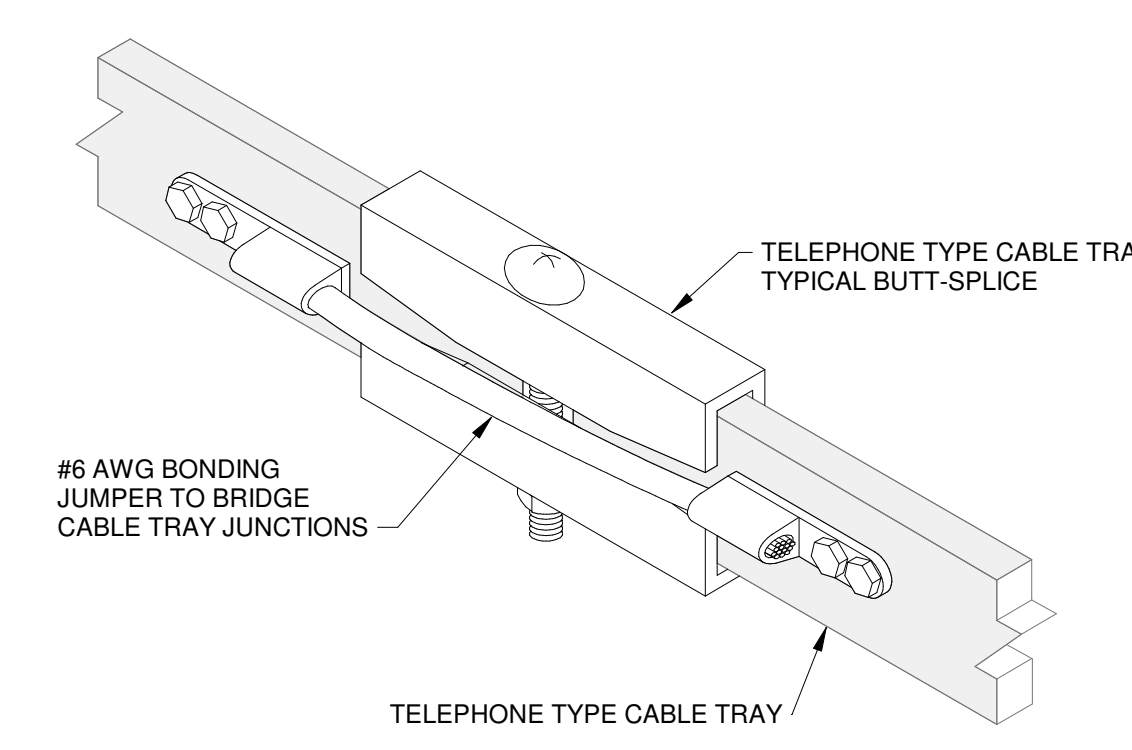
**B4 TELECOMMUNICATIONS EQUIPMENT RACK IDENTIFICATION SCHEME**  
SCALE: NO SCALE



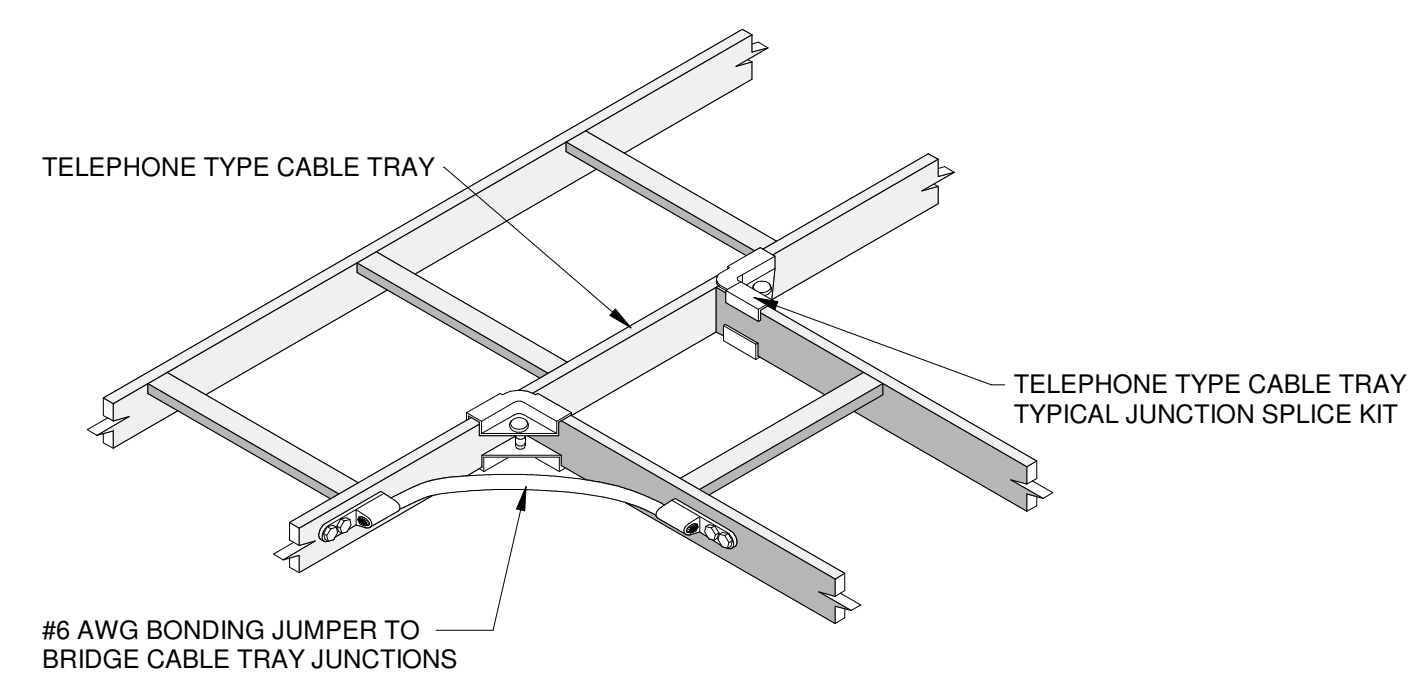
**B5 TELECOMMUNICATIONS OUTLET BOX DETAILS (TYPICAL)**  
SCALE: NO SCALE



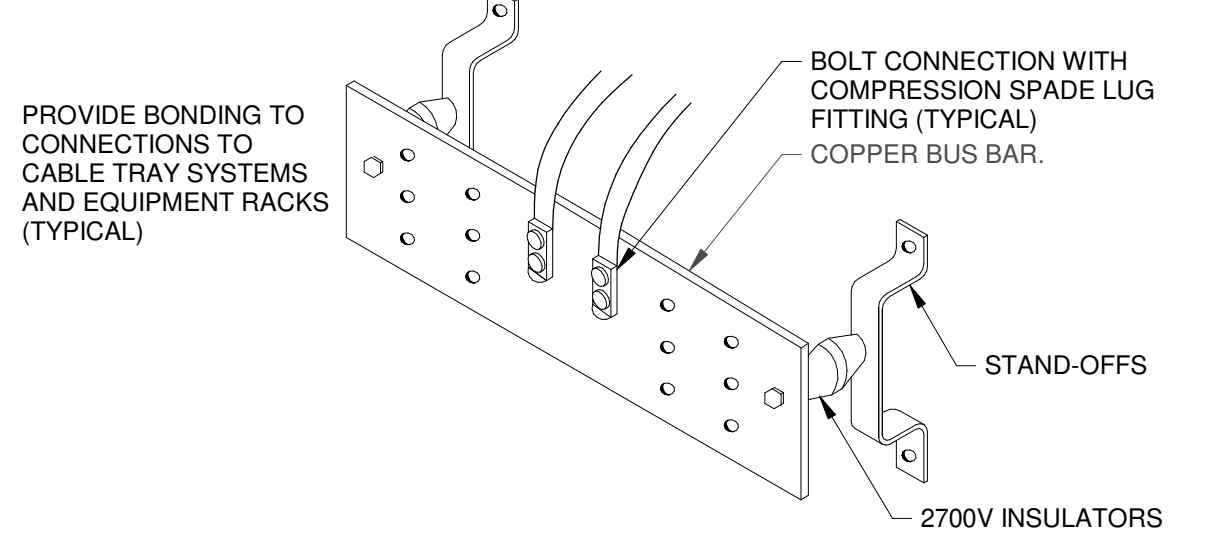
**A1 TELECOMMUNICATIONS GROUNDING SYSTEM OVERVIEW**  
SCALE: NO SCALE



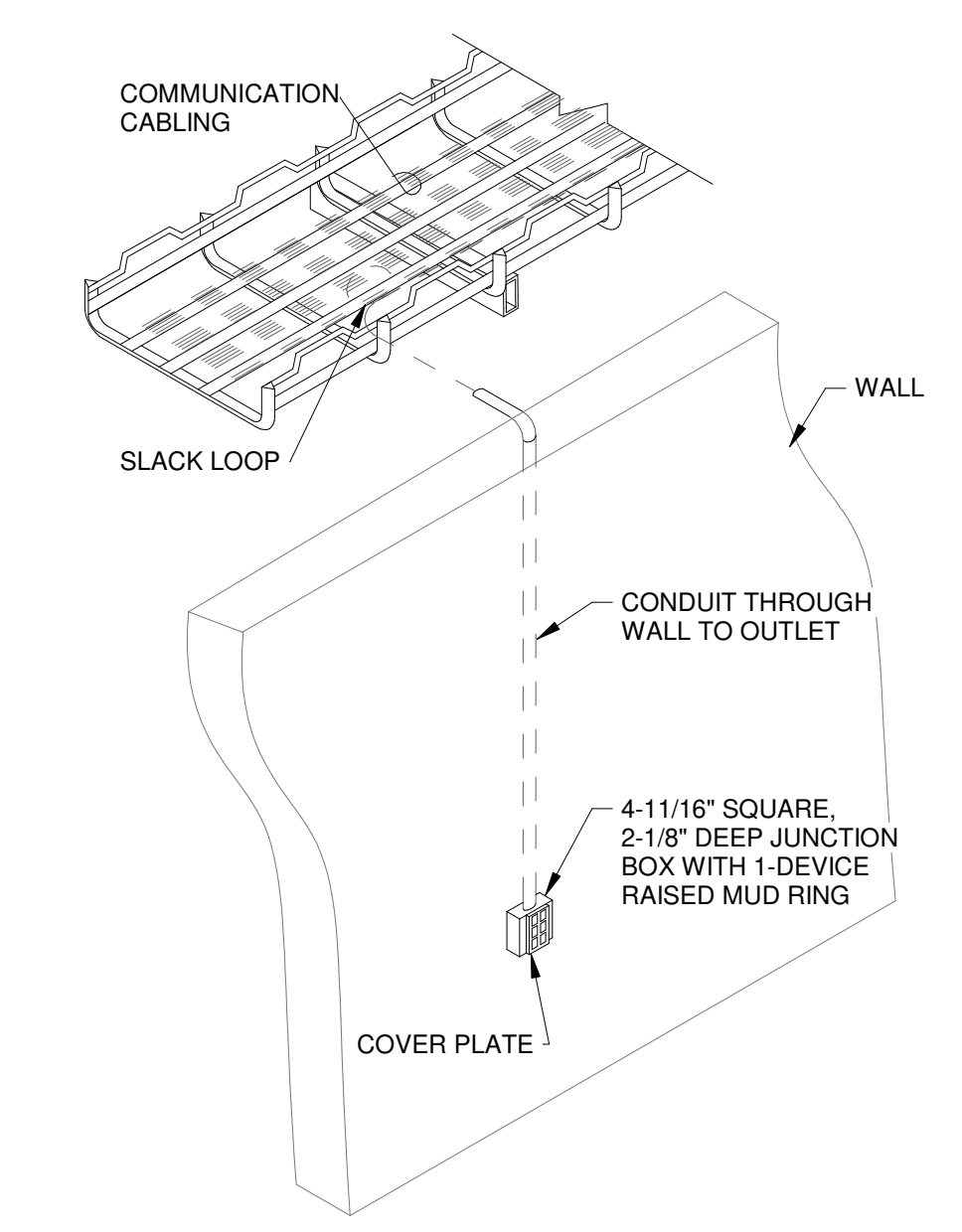
**A2 TYPICAL CABLE TRAY GROUNDING DETAILS**  
SCALE: NO SCALE



**A3 TYPICAL CABLE TRAY JUNCTION GROUNDING DETAILS**  
SCALE: NO SCALE



**A4 TELECOMMUNICATIONS GROUNDING BUS BAR (TYPICAL)**  
SCALE: NO SCALE



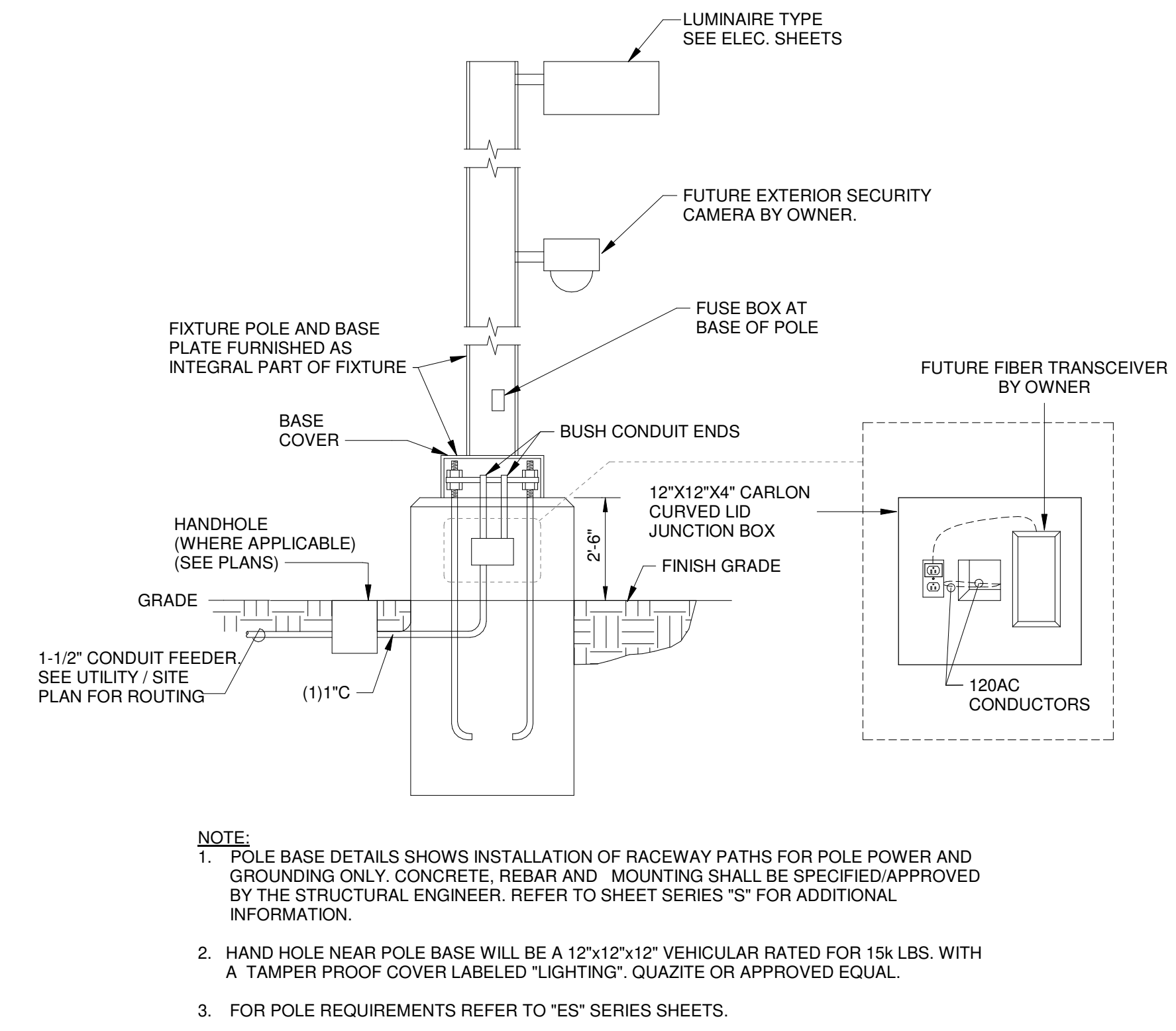
**A6 TELECOMMUNICATIONS OUTLET CONDUIT ROUTING**  
SCALE: NO SCALE

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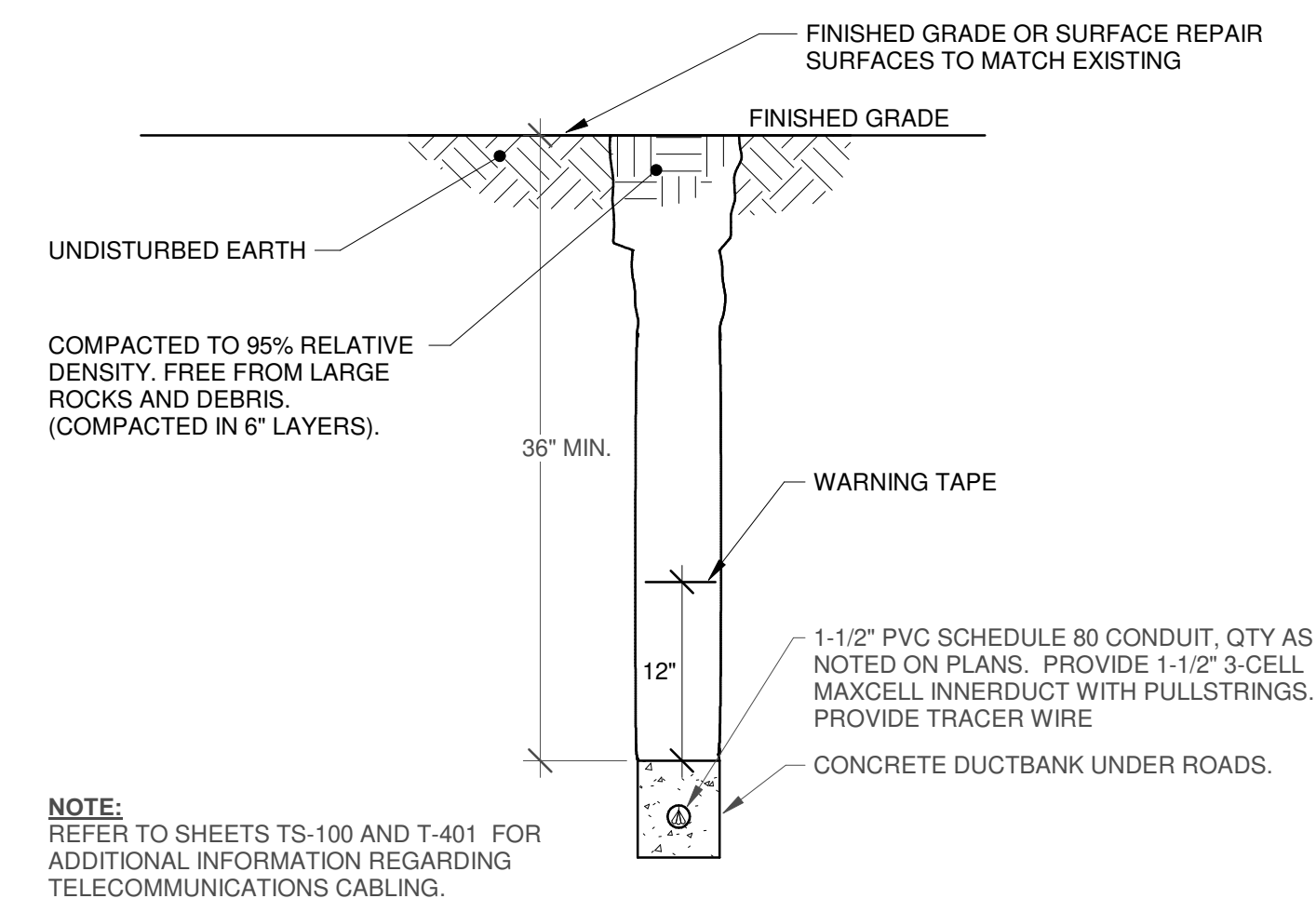
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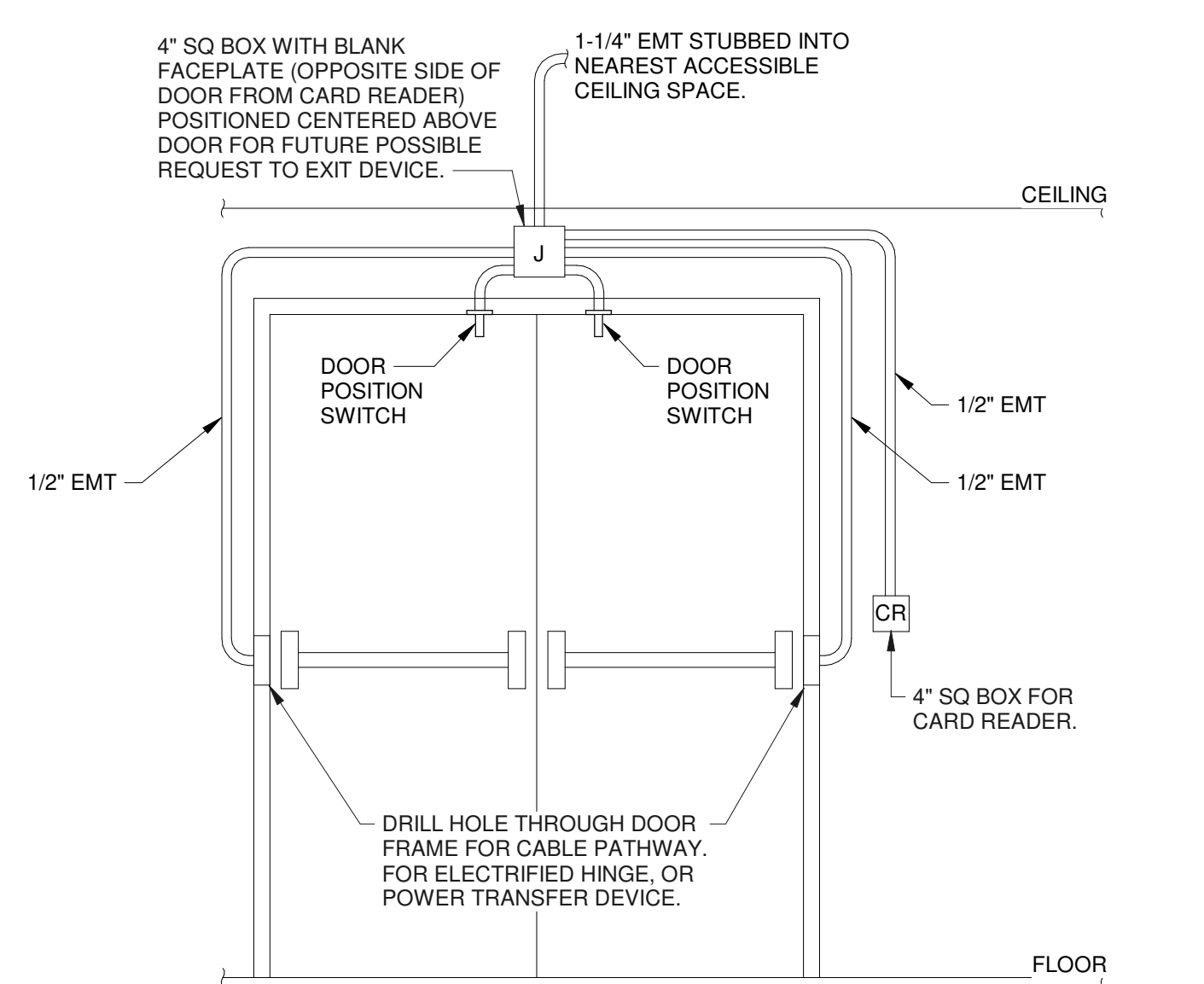
**NOTE**  
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ELECTRICAL / NEW MEXICO ADMINISTRATIVE CODES



**A2** EXTERIOR CAMERA POLE BASE DETAIL - BID LOT #3  
SCALE: NO SCALE



**A4** TELECOM CONDUIT DUCTBANK SECTION  
SCALE: NO SCALE



**A5** DOOR ROUGH-IN:  
ACCESS CONTROLLED DOUBLE DOORS  
SCALE: NO SCALE

CONSTRUCTION DOCUMENTS

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DRAWN BY	CSK
REVIEWED BY	JMM
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DRAWING NAME	

TECHNOLOGY DETAILS



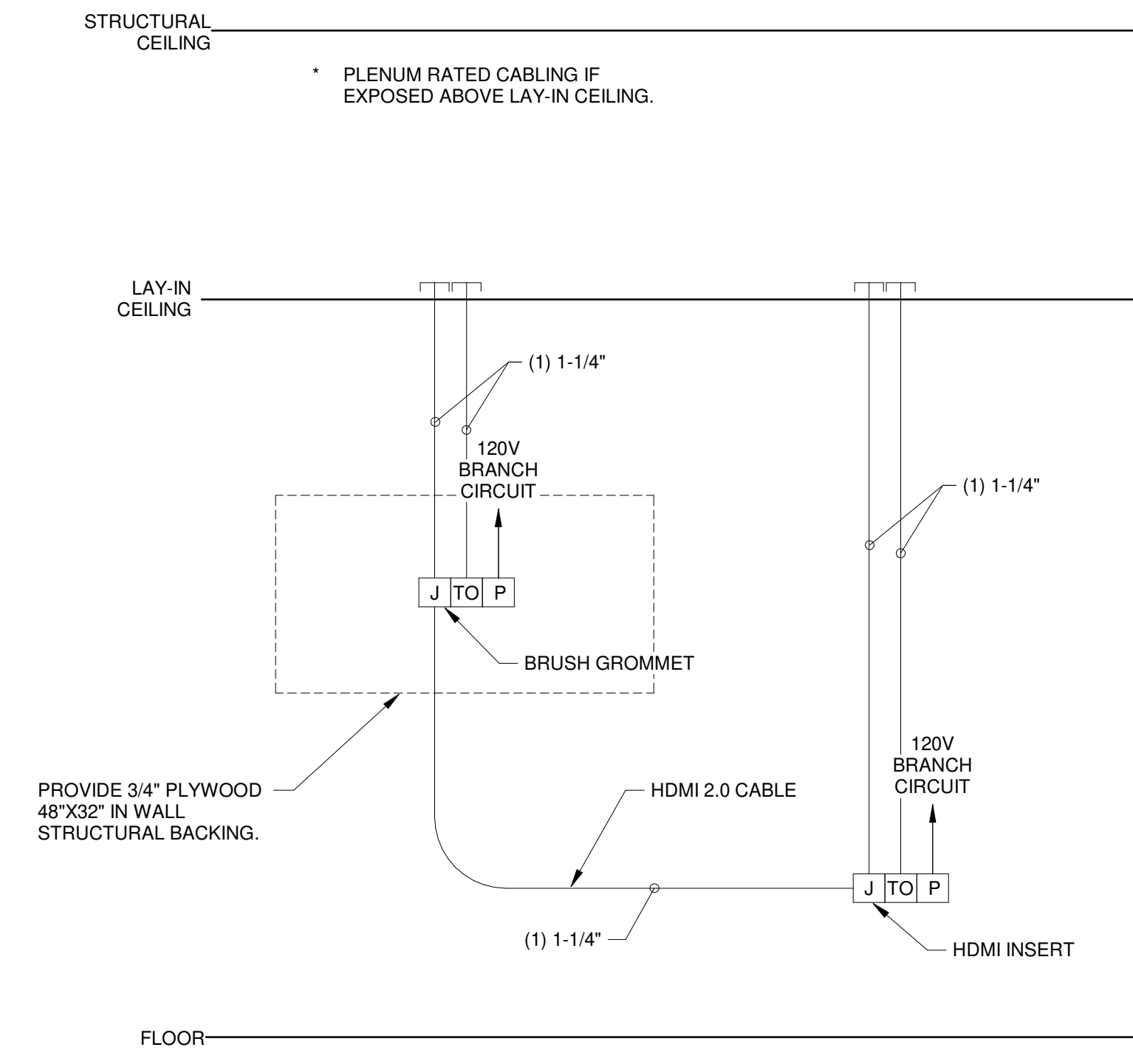
**GENERAL SHEET NOTES**

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- B. PROPERLY FIRE STOP AND SEAL ALL PENETRATIONS THROUGH WALLS, FLOORS, CEILINGS, AND ROOF AS PER OWNER, CODE, AND AHJ.
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- G. ALL CABLING TO BE COLOR CODED TO SCHOOL DISTRICTS DIRECTION. ALL LOW-VOLTAGE APPLIES TO INCLUDE BUT NOT LIMITED TO DATA, PHONE, PROJECTOR(AUDIO-VISUAL), ACCESS POINTS, SERVERS, PAGING, SURVEILLANCE, ACCESS CONTROL, FIRE ALARM.
- H. TELECOMMUNICATIONS OUTLETS TO BE MOUNTED AT +18" A.F.F. (BOTTOM OF BOX) UNLESS OTHERWISE NOTED. FOR EXAMPLE, DEVICES SPECIFIED AT +18" A.F.F. SHALL MATCH THE STANDARD MOUNTING HEIGHT FOR POWER RECEPTACLES AND TELECOMMUNICATIONS OUTLETS. DEVICES SPECIFIED AT +48" A.F.F. SHALL MATCH THE STANDARD MOUNTING HEIGHT FOR LIGHT SWITCHES ETC.
- I. ALL JUNCTION BOXES IN FURRED OUT WALLS TO BE 2-1/2" DEEP MINIMUM. ANY BOXES, CONDUITS, AND PATHWAYS THAT REQUIRE TO BE SURFACE MOUNTED DUE TO EXISTING CONDITIONS, SHALL BE COORDINATED WITH ARCHITECT AND ENGINEER.
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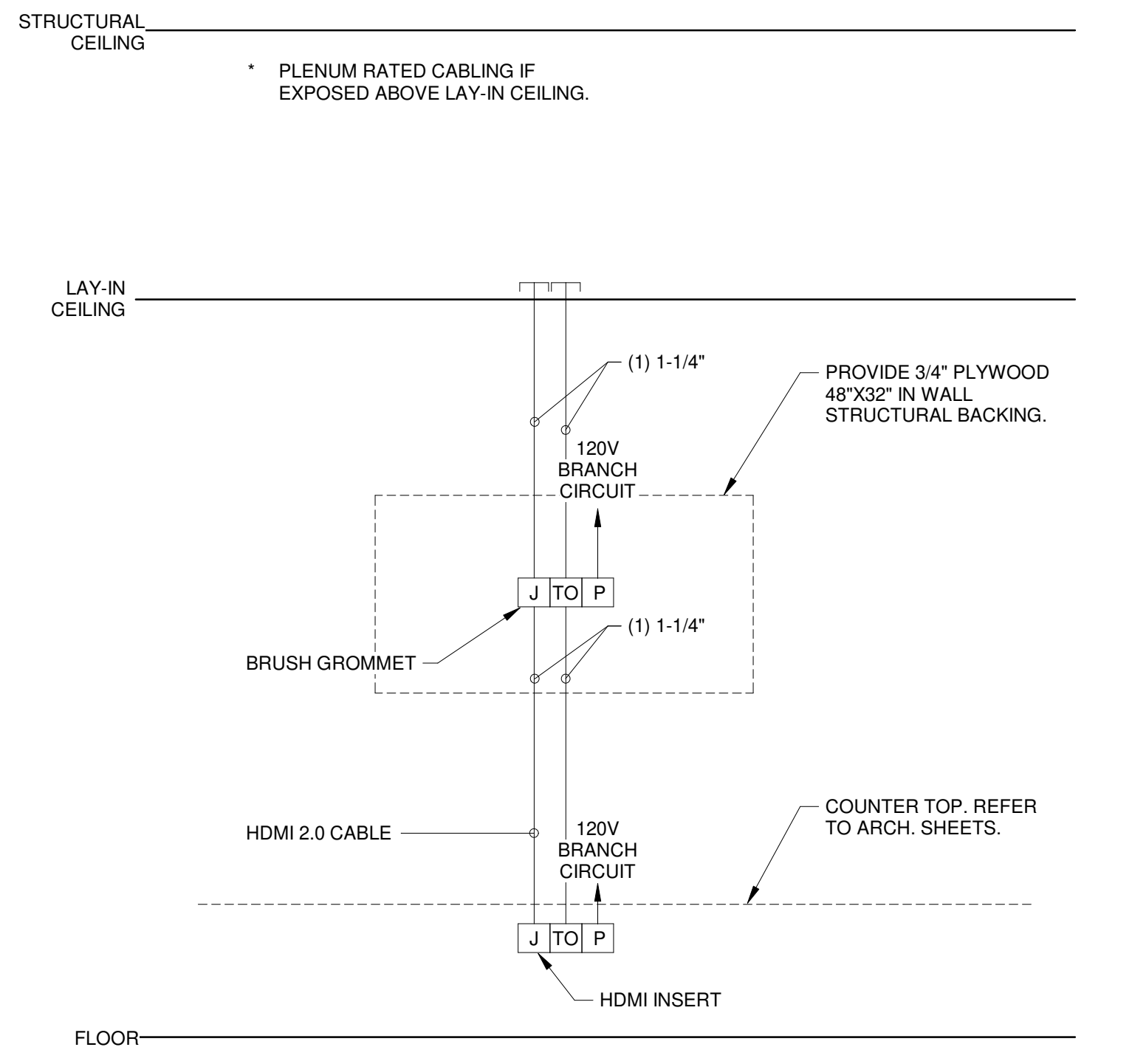
**A/V PATHWAY DIAGRAM SYMBOLS LEGEND**

- P** POWER JUNCTION BOX, OUTLET BOX (REFER TO EP SHEETS)
- J** LOW VOLTAGE JUNCTION/PULL BOX (REFER TO T SHEETS)
- TO** TELECOM OUTLET VOICE/DATA
- ┆** CONDUIT STUB

**NOTE**  
ELECTRICAL CONTRACTOR MUST COMPLY WITH ALL  
2017 NATIONAL ELECTRICAL / NEW MEXICO  
ELECTRICAL / NEW MEXICO ADMINISTRATIVE CODES



**A1** PATHWAY DIAGRAM: CONFERENCE 133 - BID LOT #1  
SCALE: NO SCALE



**A3** PATHWAY DIAGRAM: COMPUTER LAB 114 - BID LOT #1  
SCALE: NO SCALE

**CONSTRUCTION DOCUMENTS**

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**TECHNOLOGY DIAGRAMS**

Portales Brown Early Childhood Center, Project #S20-008, PSFCC FUNDED

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