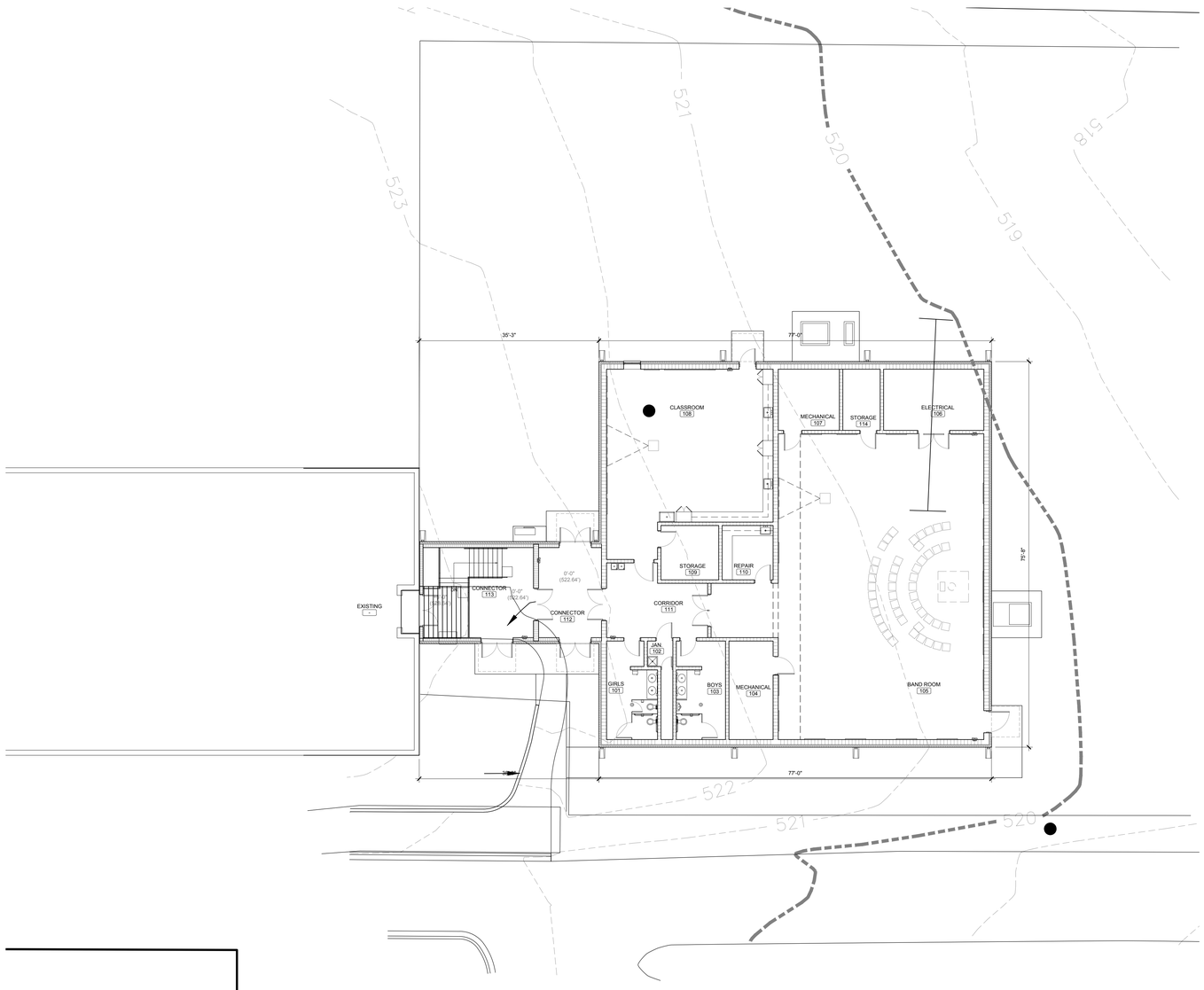
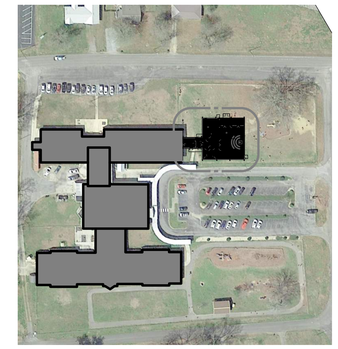


ARCHITECTURAL SITE PLAN
SCALE: 3/32" = 1'-0"



KEY PLAN
SCALE: NTS

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

STATE OF ALABAMA
WALTER T. McKEE, JR.
No. 1982
MONTGOMERY, ALA.
REGISTERED ARCHITECT

SHEET TITLE :	EDEN ELEMENTARY ARCHITECTURAL SITE PLAN
MCKEE JOB # :	21.184
PSCA # :	XXX
DRAWN BY :	KDD
DATE:	06.01.2022
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	

SHEET NO. : A0.1

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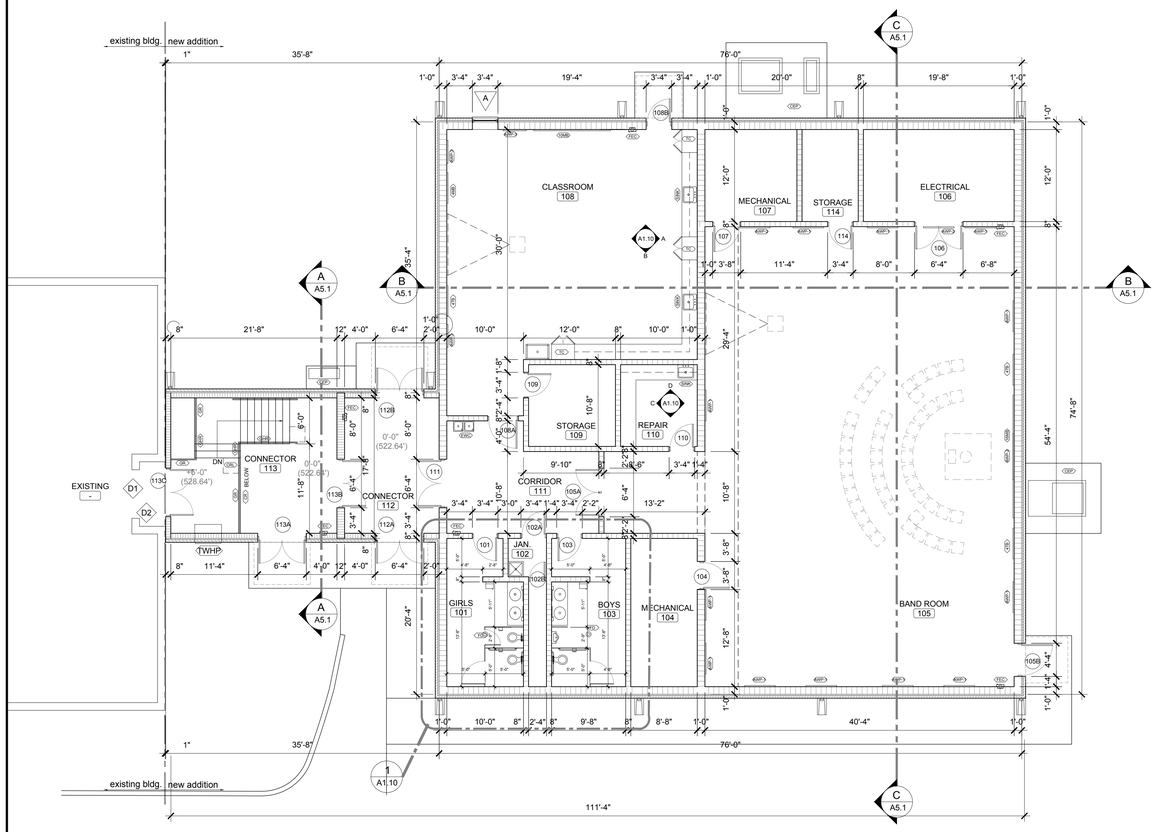
- Tuesday, June 07, 2022 9:38:00 AM



FLOOR PLAN

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

FLOOR PLAN LEGEND

SYMBOL	DESCRIPTION
A---	SCHEDULED DOOR AND FRAME
-	SCHEDULED WINDOW UNIT
CORRIDOR ---	SCHEDULED ROOM NAME AND NUMBER
- AX.X	SECTION / DETAIL SYMBOL
- AX.X	BUILDING SECTION SYMBOL
X AX.X X	INTERIOR ELEVATION SYMBOL
P-	WALL PARTITION TYPES
EWC	ELECTRIC WATER COOLER (SEE DETAIL SHEET A8.1)
FEC	FIRE EXTINGUISHER CABINET (SEE DETAIL SHEET A8.1)
CEP	CONCRETE EQUIPMENT PAD (SEE DETAIL SHEET A8.1)
CRL	ADA CHAIR RAIL LIFT (SEE SPECS)
4TB	4'-0" TACK BOARD
10MB	10'-0" MARKER BOARD
MGR	METAL GUARDRAIL - PAINT (SEE DETAIL SHEET A8.2)
AWP-1	ACOUSTIC WALL PANELS - (SEE SCHEDULE AND SPECS.)
AWP-2	ACOUSTIC WALL PANELS - (SEE SCHEDULE AND SPECS.)
AWP-3	ACOUSTIC WALL PANELS - (SEE SCHEDULE AND SPECS.)
GR	GUARDRAIL - PAINT (SEE DETAIL SHEET A8.2)
GHR	GUARD AND HAND RAIL - PAINT (SEE DETAIL SHEET A8.2)
WHR	WALL MOUNTED METAL HANDRAIL - PAINT (SEE DETAIL SHEET A8.2)
CR	CANE RAIL - PAINT (SEE DETAIL SHEET A8.2)
TWHP	THRU WALL HEAT PUMP - (SEE DETAIL SHEET MECH)
SINK	SINK - (SEE DETAIL SHEET PLUMBING)

DEMOLITION PLAN LEGEND

SYMBOL	DESCRIPTION
	EXISTING TO REMAIN
	EXISTING TO BE REMOVED
D1	REMOVE EXISTING DOOR, STEPS AND SIDEWALK AS INDICATED - SEE CIVIL DRAWINGS
D2	CLEAN EXISTING BRICK WALL TO REMAIN EXPOSED

SITE OF WORK EXAMINATION

THESE DRAWINGS WERE COMPILED BY THE ARCHITECT FROM THE OWNER'S RECORD DRAWINGS AND FROM ON-SITE OBSERVATIONS TO INDICATE THE BUILDING ARRANGEMENT.

ALL CONTRACTORS SUBMITTING PROPOSALS FOR THIS WORK SHALL FIRST EXAMINE THE PREMISES AND ALL CONDITIONS THEREIN. ALL PROPOSALS SHALL TAKE INTO CONSIDERATION ALL SUCH CONDITIONS AS MAY AFFECT THE WORK UNDER THIS CONTRACT.

DRAWINGS ARE DIMENSIONED FOR BIDDING PURPOSES ONLY. CONTRACTORS SHALL MEASURE ALL EXISTING WORK AT THE PREMISES AND VERIFY ALL DIMENSIONS NEEDED TO PROPERLY INTERFACE IMPROVEMENTS WITH ALL EXISTING ELEMENTS WHICH ARE TO REMAIN.

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
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STATE OF ALABAMA
WALTER T. McKEE, JR.
No. 1082
MONTGOMERY, ALA.
REGISTERED ARCHITECT

SHEET TITLE : EDEN ELEMENTARY FLOOR PLAN

MCKEE JOB # : 21.184

PSCA # : XXX

DRAWN BY : KDD

DATE: 06.01.2022

REVISED DATE:

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SHEET NO. : A1.1

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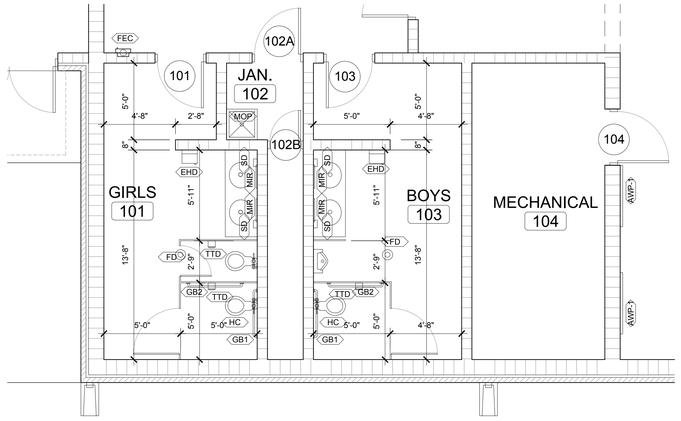


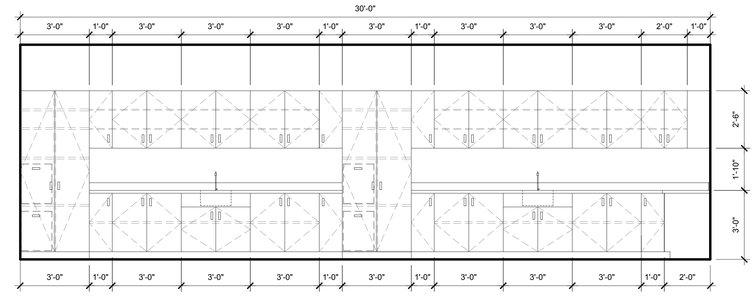
1 ENLARGED PLAN
SCALE: 1/4" = 1'-0"

TOILET ACCESSORIES LEGEND

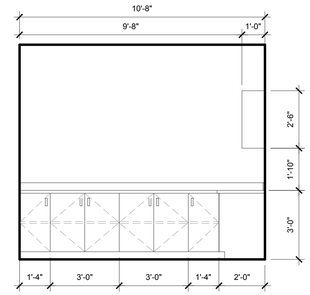
KEYNOTE	DESCRIPTION
TTD	TOILET TISSUE DISPENSER TO BE MOUNTED 9" OC IN FRONT OF TOILET AND OUTLET OF DISPENSER MUST BE BETWEEN 15" & 48" AFF (SEE SPECS)
PTD	PAPER TOWEL DISPENSER TO BE MOUNTED 48" OC AFF (SEE SPECS)
SD	SOAP DISPENSER TO BE MOUNTED WHERE HAND CONTROLS ARE 48" OC AFF (SEE SPECS)
GB1	36" GRAB BAR MOUNTED WHERE CENTERLINE OF WALL MOUNT IS 6" OUT FROM CORNER OF WALL / TOILET PARTITION AND IS TO BE 33"-36" AFF (SEE SPECS)
GB2	42" GRAB BAR MOUNTED WHERE CENTERLINE OF WALL MOUNT IS 12" OUT FROM CORNER OF WALL / TOILET PARTITION AND IS TO BE 33"-36" AFF (SEE SPECS)
GB3	CORNER GRAB BAR AND IS TO BE 33"-36" AFF (SEE SPECS)
MIR	18" X 36" MIRROR WITH SHELF TO BE MOUNTED WITH THE BOTTOM EDGE 35" AFF AND THE TOP EDGE 71" AFF (SEE SPECS)
HC	HANDICAPPED ACCESSIBLE TOILET / URINAL TO BE MOUNTED 17" AFF
EHD	ELECTRIC HAND DRYER TO BE MOUNTED 48" OC AFF (SEE SPECS)

FLOOR PLAN LEGEND

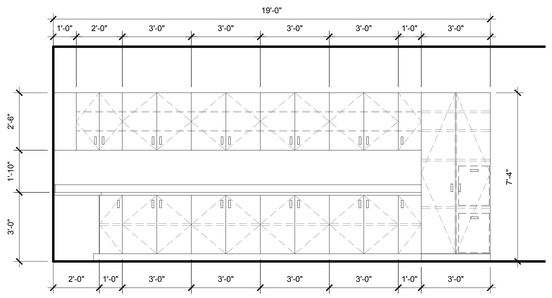
SYMBOL	DESCRIPTION
CORRIDOR 100	SCHEDULED ROOM NAME AND NUMBER
P-	WALL PARTITION TYPES
X AX.X X	INTERIOR ELEVATION SYMBOL
FD	FLOOR DRAIN (SEE PLUMBING DRAWINGS)
MOP	MOP SINK (SEE PLUMBING DRAWINGS)
NIC	NOT IN CONTRACT



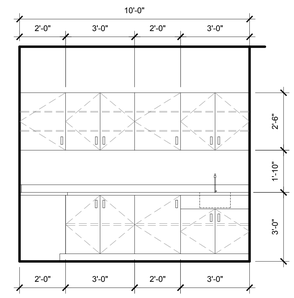
CASEWORK ELEVATION - A
SCALE: 3/8" - 1'-0" CLASSROOM 108



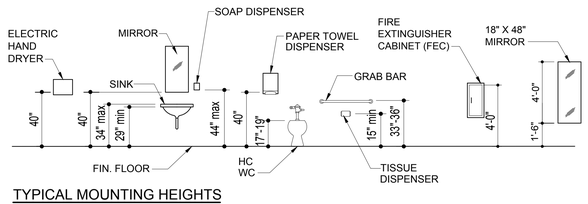
CASEWORK ELEVATION - C
SCALE: 3/8" - 1'-0" REPAIR 110



CASEWORK ELEVATION - B
SCALE: 3/8" - 1'-0" CLASSROOM 108

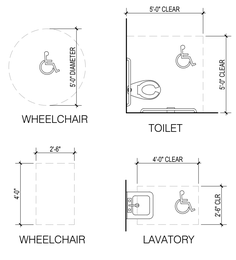


CASEWORK ELEVATION - D
SCALE: 3/8" - 1'-0" REPAIR 110



TYPICAL MOUNTING HEIGHTS
SCALE: 1/4" = 1'-0"

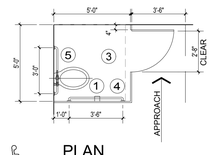
NOTE: GRAB BARS SHALL BE INSTALLED IN A HORIZONTAL POSITION, 33 IN. MIN. and 36 IN. MAX. ABOVE FINISHED FLOOR MEASURED TO THE TOP OF THE GRIPPING SURFACE. WHERE MIN. and MAX. DIMENSIONS ARE GIVEN, NO TOLERANCE OUTSIDE OF THE DIMENSION RANGE AT EITHER END POINT IS PERMITTED.



TYPICAL HANDICAP CLEAR FLOOR SPACES
SCALE: 1/4"=1'-0"

KEY NOTES

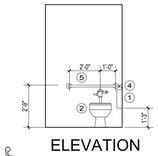
1. TOILET PAPER DISPENSER SHALL BE 7 IN. MIN. and 9 IN. MAX. IN FRONT OF WATER CLOSET MEASURED TO CENTERLINE OF DISPENSER. THE DISPENSER OUTLET SHALL BE 15 IN. MIN. and 48 IN. MAX. ABOVE FLOOR and NOT BE LOCATED BEHIND GRAB BARS.
2. WATER CLOSET HEIGHT TO BE 17 IN. TO 19 IN. MEASURED TO TOP OF SEAT.
3. WHEELCHAIR ACCESSIBLE STALLS SHALL BE 60" MINIMUM DEPTH AND WIDTH WITH 32" MINIMUM WIDTH DOOR THAT SWINGS OUT. CENTER LINE OF WATER CLOSET TO BE 16" TO 18" FROM NEAR WALL.
4. A HORIZONTAL SIDE WALL GRAB BAR 42" LONG MINIMUM, LOCATED 12" MAX. FROM REAR WALL AND EXTENDING 54" MINIMUM FROM REAR WALL.
5. THE REAR WALL GRAB BAR SHALL BE 24 IN. LONG MIN., CENTERED ON THE WATER CLOSET. WHERE SPACE PERMITS, THE BAR SHALL BE 36 IN. LONG MIN. WITH THE ADDITIONAL LENGTH PROVIDED ON THE TRANSFER SIDE OF THE WATER CLOSET.
6. GRAB BARS SHALL BE INSTALLED IN ANY MANNER THAT PROVIDES A GRIPPING SURFACE (TOP) AT THE LOCATION SHOWN AND DOES NOT OBSTRUCT THE CLEAR FLOOR SPACE.
7. COAT HOOKS PROVIDED WITHIN TOILET ROOMS SHALL BE 48 " MAX. ABOVE THE FLOOR. WHERE PROVIDED A FOLD DOWN SHELF SHALL BE 40" MIN. and 48" MAX. ABOVE FLOOR.
8. WHERE MIN. and MAX. DIMENSIONS ARE GIVEN, NO TOLERANCE OUTSIDE OF THE DIMENSION RANGE AT EITHER END POINT IS PERMITTED.



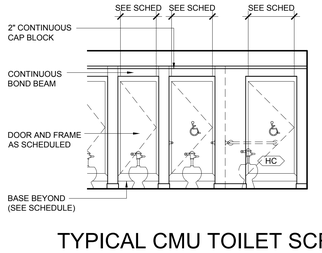
PLAN
WHEELCHAIR ACCESSIBLE TOILET
SCALE: 1/4" = 1'-0"

NOTE: THE CENTERLINE OF THE WATER CLOSET SHALL BE 16" MIN. AND 18" MAX. FROM THE SIDE WALL OR PARTITION.

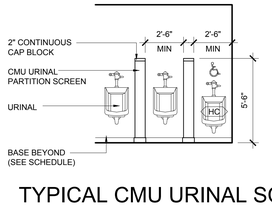
DOORWAYS SHALL HAVE A CLEAR OPENING OF 32" MINIMUM. CLEAR OPENING OF DOORWAYS WITH SWING DOORS SHALL BE MEASURED BETWEEN FACE OF DOOR AND STOP, WITH THE DOOR OPEN 90 DEGREES.



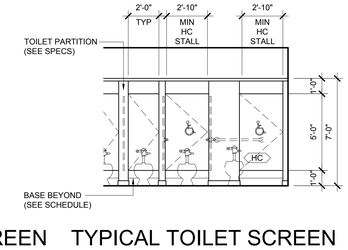
ELEVATION
WHEELCHAIR ACCESSIBLE TOILET
SCALE: 1/4" = 1'-0"



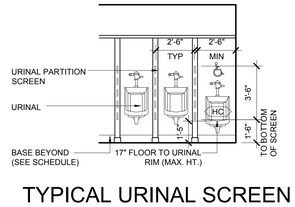
TYPICAL CMU TOILET SCREEN PARTITION ELEVATION
SCALE: 1/4" - 1'-0"



TYPICAL CMU URINAL SCREEN PARTITION ELEVATION
SCALE: 1/4" - 1'-0"



TYPICAL TOILET SCREEN PARTITION ELEVATION
SCALE: 1/4" - 1'-0"



TYPICAL URINAL SCREEN PARTITION ELEVATION
SCALE: 1/4" - 1'-0"

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
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631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

STATE OF ALABAMA
WALTER T. McKEE, JR.
No. 1082
MONTGOMERY, ALA.
REGISTERED ARCHITECT

SHEET TITLE :	EDEN ELEMENTARY ENLARGED PLANS AND CASEWORK
MCKEE JOB # :	21.184
PSCA # :	XXX
DRAWN BY :	KDD
DATE:	06.01.2022
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	

SHEET NO. : A1.10

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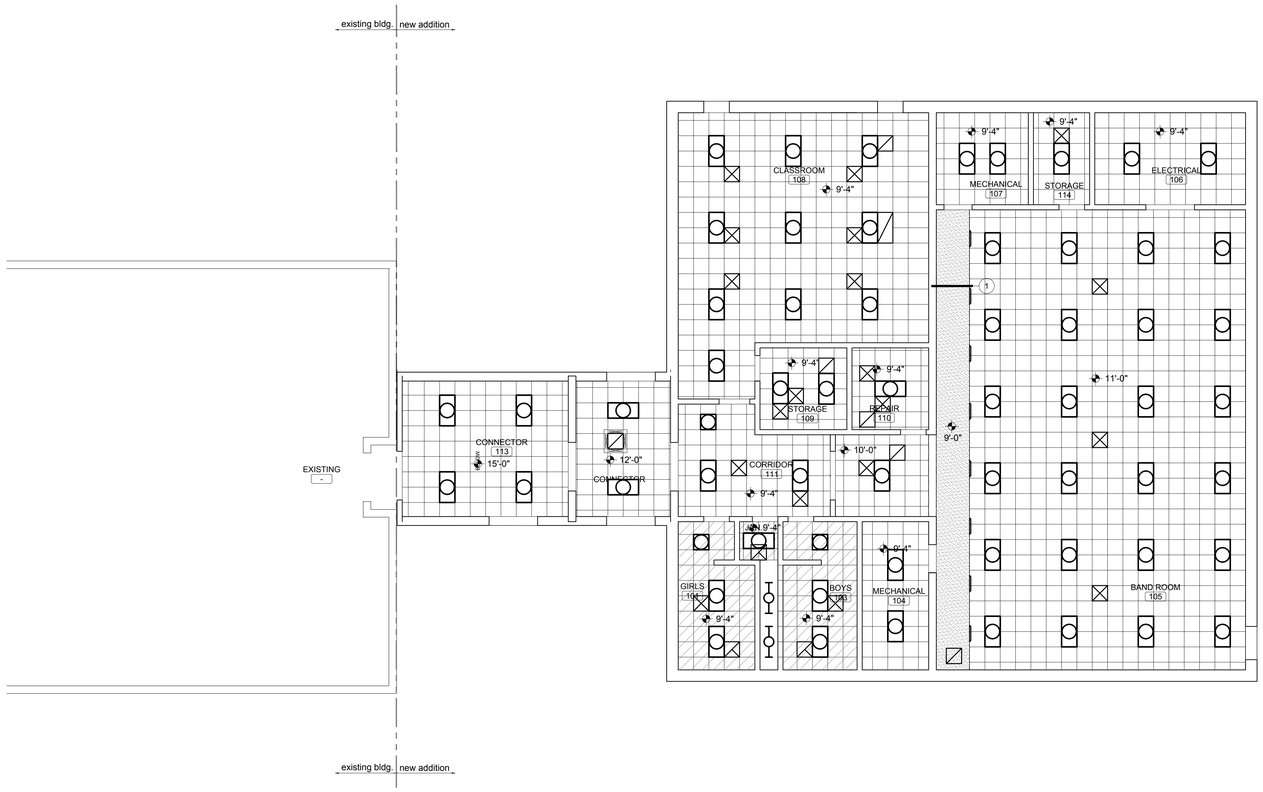
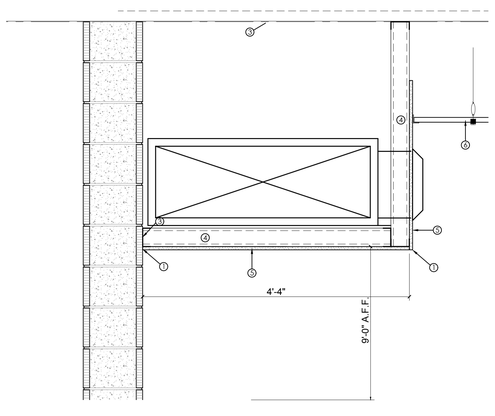


REFLECTED CEILING PLAN

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



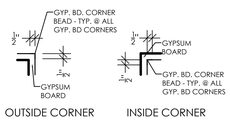
1 TYPICAL FURR DOWN DETAIL

Scale: 1" = 1'-0"

KEY NOTES:

1. GYPSUM BOARD CORNER BEAD - TYPICAL AT ALL GYP. BD. CORNERS
2. METAL OR WOOD FRAMING TO BE ERECTED ON MAX. 2'-0" CENTERS IN ACCORDANCE WITH CONVENTIONAL PROCEDURES.
3. INSTALL METAL RUNNERS TO CEILING and SIDEWALL WITH FASTENERS NOT TO EXCEED 2'-0" O.C., ON STUD WALLS, SPACE FASTENERS TO ENGAGE STUDS.
4. INSERT METAL STUDS BETWEEN RUNNERS SPACED 2'-0" O.C. and ATTACH STUDS TO RUNNERS.
5. ATTACH 5/8" GYPSUM BOARD TO STUDS and RUNNERS WITH SCREWS SPACED MAX. 1'-0" O.C..
6. SEE REFLECTED CEILING PLANS FOR LAY-IN CEILING

COORDINATION NOTE: THIS DETAIL IS INTENDED TO SERVE AS A GUIDE FOR TYPICAL DRYWALL SOFFIT / FURRING INSTALLATION. IT MUST BE MODIFIED AS NEEDED TO ADAPT IT TO VARYING CONDITIONS INDICATED ON REFLECTED CEILING PLANS AND THAT MAY BE ENCOUNTERED ON THE JOB. IN ADDITION TO THE FRAMING INDICATED, EACH CONTRACTOR IS RESPONSIBLE FOR THEIR OWN BLOCKING.



2 CORNER DETAILS

Scale: 1" = 1'-0"

REFLECTED CEILING PLAN LEGEND

SYMBOL	DESCRIPTION
0'-0"	HEIGHT ABOVE FINISHED FLOOR ELEVATION
	2'x2' LAY-IN ACOUSTICAL CEILING
	2'x2' VINYL CLAD LAY-IN ACOUSTICAL CEILING
	5/8" HARD/SOFT ACOUSTICAL TILE TREATMENT IN SUSPENDED CEILING GRID
	GYPSUM BOARD (SUSPENDED AS REQUIRED)
	MOISTURE RESISTANT GYPSUM BOARD (SUSPENDED AS REQUIRED)
	METAL SOFFIT PANELS (SUSPENDED AS REQUIRED)
EIFS	EXTERIOR INSULATED FINISH SYSTEM (SUSPENDED AS REQUIRED)
	OPEN TO ABOVE
	2'x4' RECESSED OR SURFACE MOUNTED LIGHT FIXTURE (SEE ELECTRICAL)
	2'x2' RECESSED OR SURFACE MOUNTED LIGHT FIXTURE (SEE ELECTRICAL)
	1'x4' RECESSED OR SURFACE MOUNTED LIGHT FIXTURE (SEE ELECTRICAL)
	1'x4' SURFACE MOUNTED LIGHT FIXTURE (SEE ELECTRICAL)
	RECESSED ROUND LIGHT FIXTURE (SEE ELECTRICAL)
	HVAC SUPPLY AIR GRILLE (SEE MECHANICAL)
	HVAC RETURN AIR GRILLE (SEE MECHANICAL)
	EXHAUST FAN GRILLE (SEE MECHANICAL)
	CASSETTE HEAT PUMP (SEE MECHANICAL)

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
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631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

STATE OF ALABAMA
WALTER T. McKEE, JR.
No. 1082
MONTGOMERY, ALA.
REGISTERED ARCHITECT

SHEET TITLE :	EDEN ELEMENTARY REFLECTED CEILING PLAN
MCKEE JOB # :	21.184
PSCA # :	XXX
DRAWN BY :	KDD
DATE:	06.01.2022
REVISED DATE:	
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SHEET NO. : A2.1

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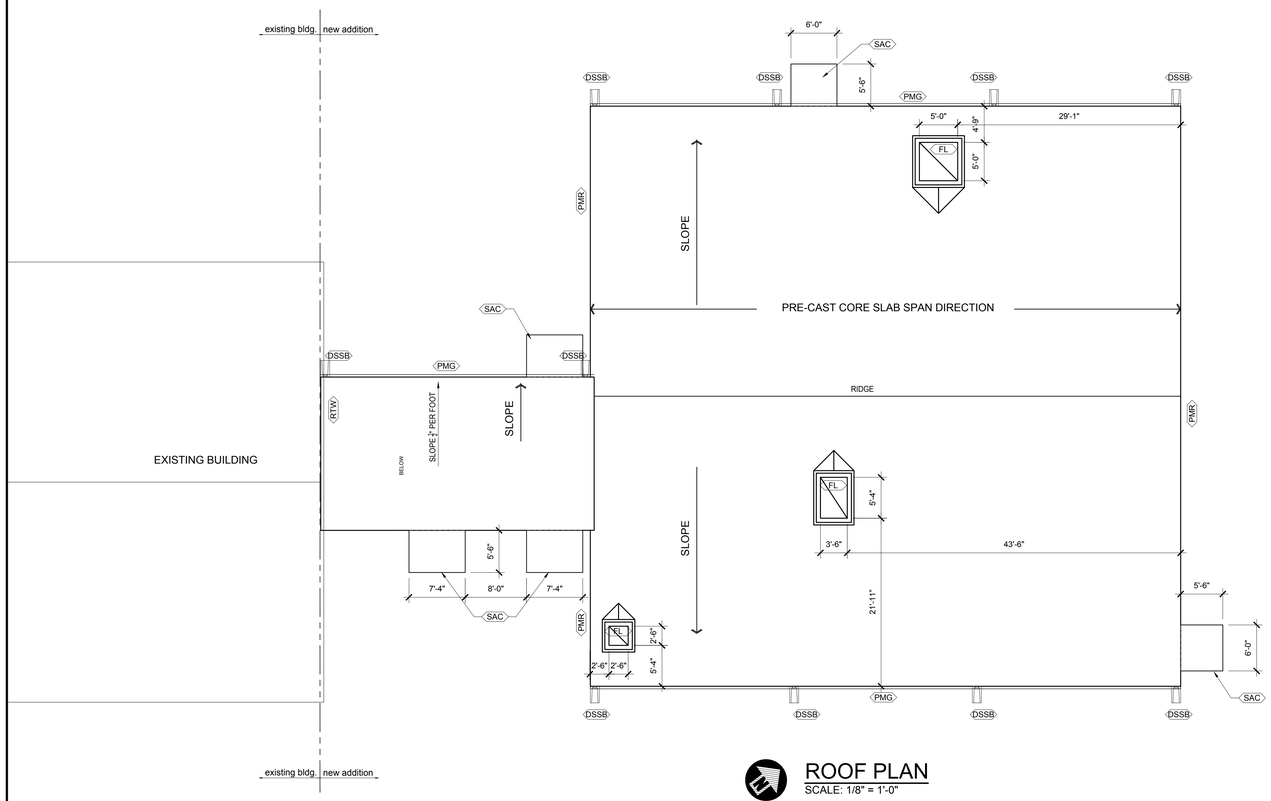
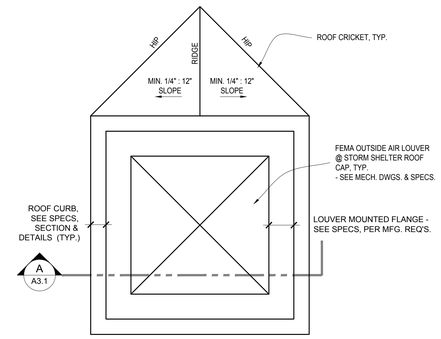
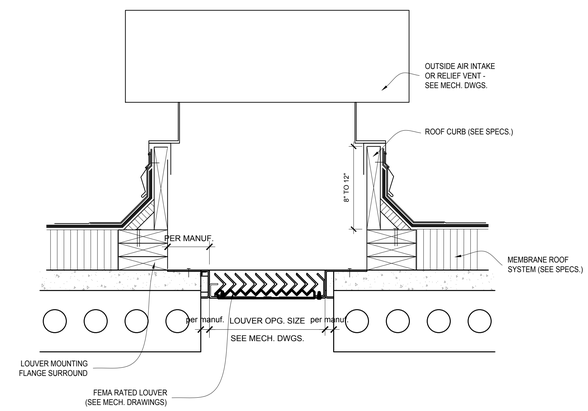


ROOF PLAN
SCALE: 1/8" = 1'-0"



TYPICAL ROOF CURB DETAIL
SCALE: 3/4" - 1'-0"



TYPICAL FEMA LOUVER SECTION @ ROOF AND ROOF CURB FLASHING DETAIL CAP
A / A3.1
SCALE: 1" - 1'-0"

ROOF PLAN LEGEND

SYMBOL	DESCRIPTION
MRP	METAL ROOF PANELS (SEE SPECS)
X / A3.X	DETAIL SYMBOL
RTW	ROOF TO WALL FLASHING (SEE DETAIL)
PMG	PREFINISHED METAL GUTTER
DSSB	PREFINISHED METAL DOWNSPOUT TO SPLASH BLOCK
DSBT	PREFINISHED METAL DOWNSPOUT TO BOOT
PMR	PREFINISHED METAL RAKE
SAC	SUSPENDED ALUMINUM CANOPY
FL	FEMA LOUVER (SEE MECHANICAL DRAWINGS)

EDEN ELEMENTARY ADDITION
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STATE OF ALABAMA
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MONTGOMERY, ALA.
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SHEET TITLE :	EDEN ELEMENTARY ROOF PLAN
MCKEE JOB # :	21.184
PSCA # :	XXX
DRAWN BY :	KDD
DATE:	06.01.2022
REVISED DATE:	
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REVISED DATE:	

SHEET NO. : A3.1

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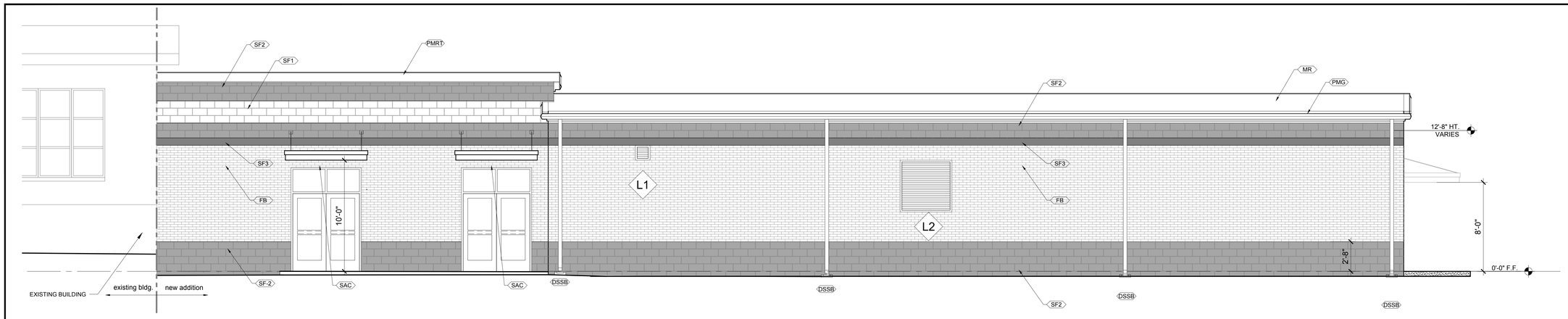
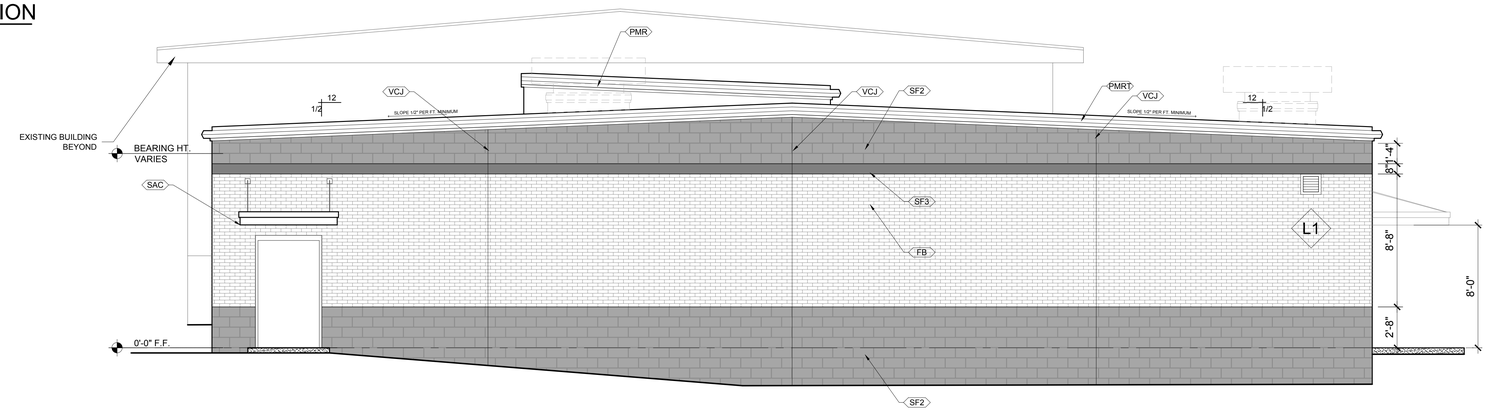


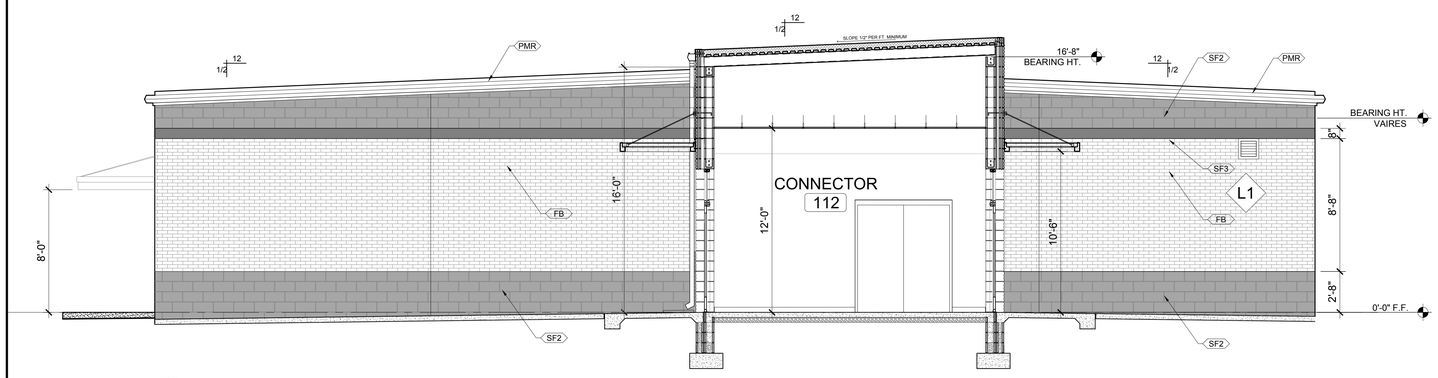
A EAST SIDE ELEVATION
SCALE: 1/4" = 1'-0"

EXTERIOR ELEVATION LEGEND

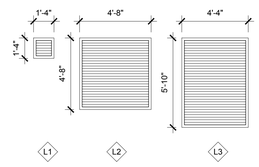
SYMBOL	DESCRIPTION
A	SCHEDULED WINDOW (FEMA RATED) - SEE SPECS
L1	SCHEDULED LOUVER
DSSB	METAL DOWNSPOUT - INTO CONC. SPLASH BLOCK
FB	FACE BRICK VENEER - SEE SPECS
SF-1	SPLIT FACE CMU - MAIN FIELD COLOR - SEE SPECS
SF-2	SPLIT FACE CMU - ACCENT BASE COLOR - SEE SPECS
SF-3	SPLIT FACE CMU - ACCENT BASE COLOR - SEE SPECS
PMG	PRE-FINISHED METAL GUTTER
MHR	METAL HANDRAIL
PMRT	PRE-FINISHED METAL RAKE TRIM
PMR	PRE-FINISHED METAL RAKE
VCJ	VENEER CONTROL JOINT - SEE SPECS
SAC	SUSPENDED ALUMINUM CANOPY
MR	MEMBRANE ROOFING OVER RIGID INSULATION



B NORTH SIDE ELEVATION
SCALE: 1/4" = 1'-0"

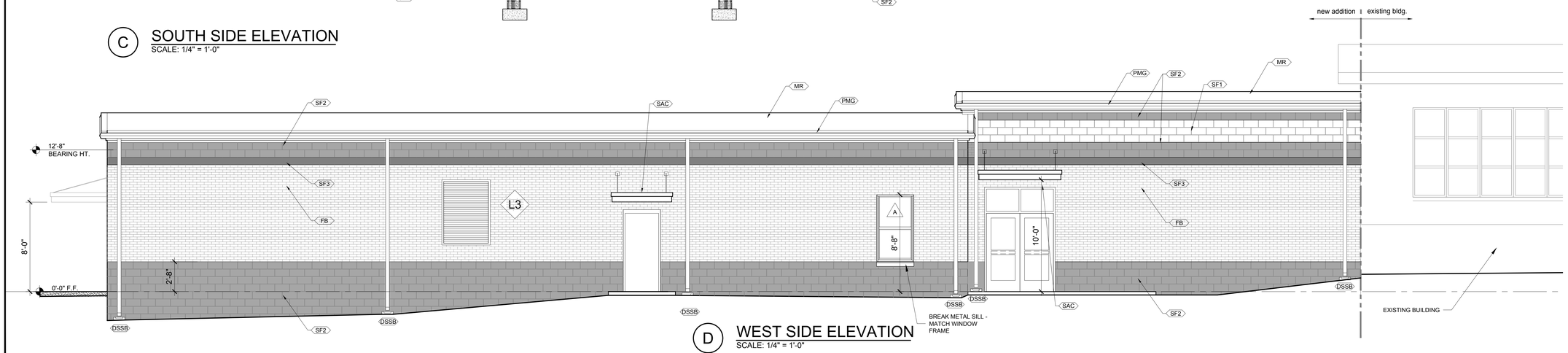


C SOUTH SIDE ELEVATION
SCALE: 1/4" = 1'-0"



FEMA PREFINISHED METAL LOUVER SEE SPECS.
SEE MECHANICAL FOR MOUNTING HEIGHT

LOUVER SCHEDULE
SCALE: 1/4" - 1'-0"



D WEST SIDE ELEVATION
SCALE: 1/4" = 1'-0"

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

STATE OF ALABAMA
WALTER T. McKEE, JR.
No. 1082
MONTGOMERY, ALA.
REGISTERED ARCHITECT

SHEET TITLE :	EDEN ELEMENTARY EXTERIOR ELEVATIONS
MCKEE JOB # :	21.184
PSCA # :	XXX
DRAWN BY :	KDD
DATE:	06.01.2022
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	

SHEET NO. : A4.1

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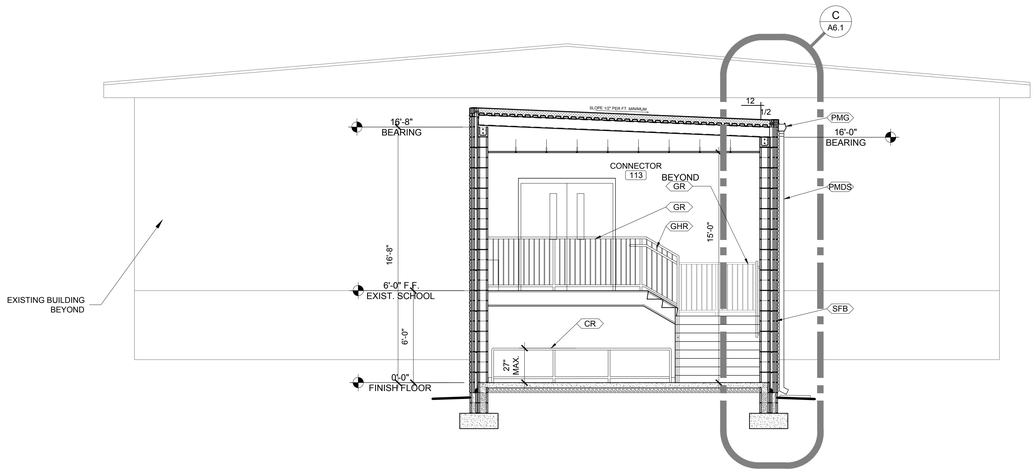
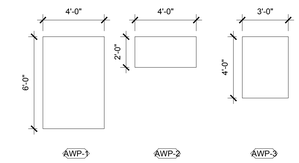


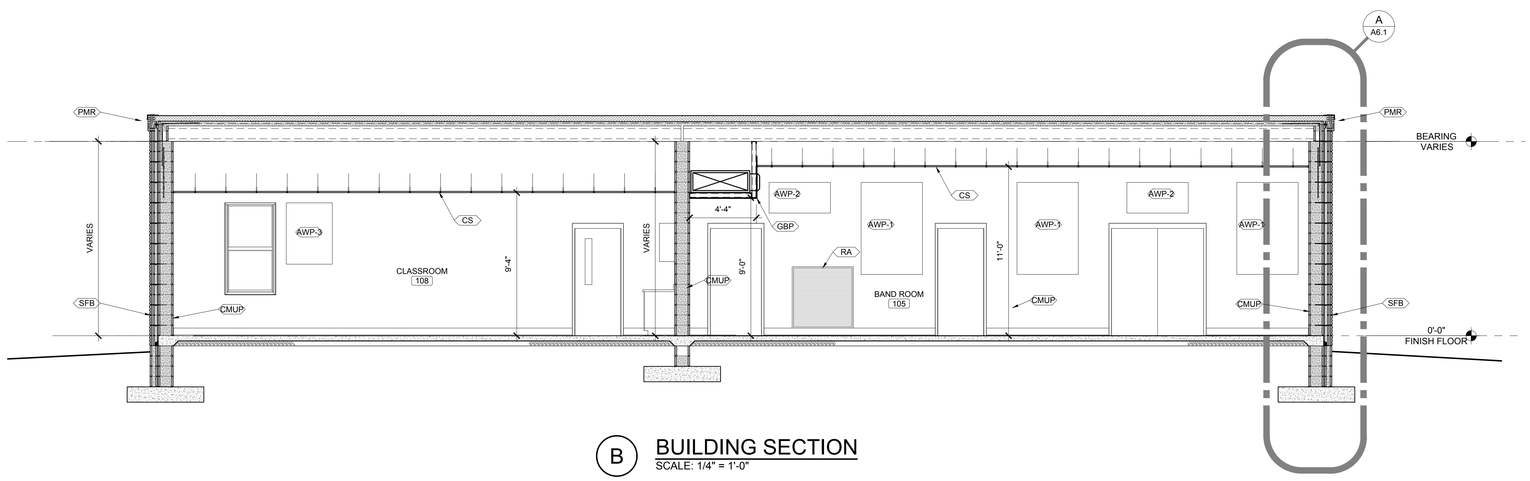
A BUILDING SECTION @ CONNECTOR
SCALE: 1/4" = 1'-0"

BUILDING SECTION LEGEND	
SYMBOL	DESCRIPTION
CMUP	CONCRETE MASONRY UNIT - PAINT
CS	CEILING AS SPECIFIED
AWP-1	ACOUSTIC WALL PANEL 1 - SEE SPECS
AWP-2	ACOUSTIC WALL PANEL 2 - SEE SPECS
AWP-3	ACOUSTIC WALL PANEL 3 - SEE SPECS
GR	METAL GUARD RAIL - PAINT
GHR	METAL GUARD HAND RAIL - PAINT
PMG	PREFINISHED METAL GUTTER
PMD	PREFINISHED METAL DOWNSPOUT
SPB	SPLIT FACE CMU - SEE ELEVATIONS AND SPECS FOR COLORS
CR	CANE RAIL 27" MAX. HT.
RA	RETURN AIR GRILL - SEE MECHANICAL DRAWINGS
SA	SUPPLY AIR GRILL - SEE MECHANICAL DRAWINGS
GBP	GYPSUM BOARD - PAINT

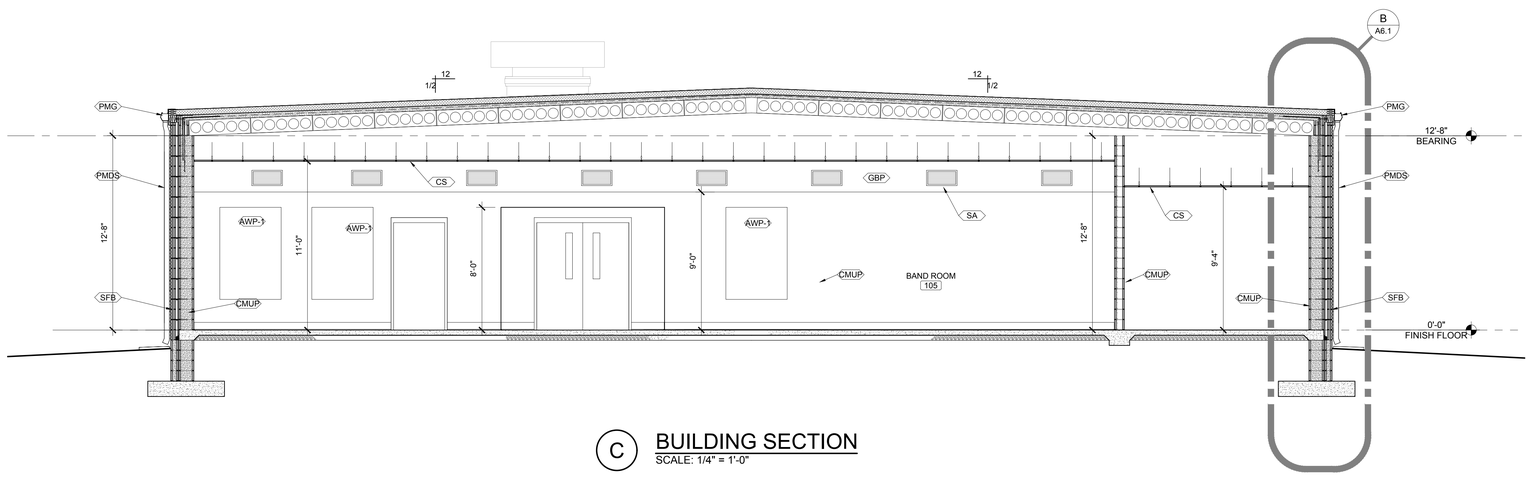


*ACOUSTICAL WALL PANELS SEE SPECS.

ACOUSTICAL WALL PANEL SCHEDULE
SCALE: 1/4" - 1'-0"



B BUILDING SECTION
SCALE: 1/4" = 1'-0"



C BUILDING SECTION
SCALE: 1/4" = 1'-0"

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

STATE OF ALABAMA
WALTER T. MCKEE, JR.
No. 1082
MONTGOMERY, ALA.
REGISTERED ARCHITECT

SHEET TITLE : EDEN ELEMENTARY BUILDING SECTIONS

MCKEE JOB # : 21.184

PSCA # : XXX

DRAWN BY : KDD

DATE: 06.01.2022

REVISED DATE:

REVISED DATE:

REVISED DATE:

SHEET NO. : A5.1

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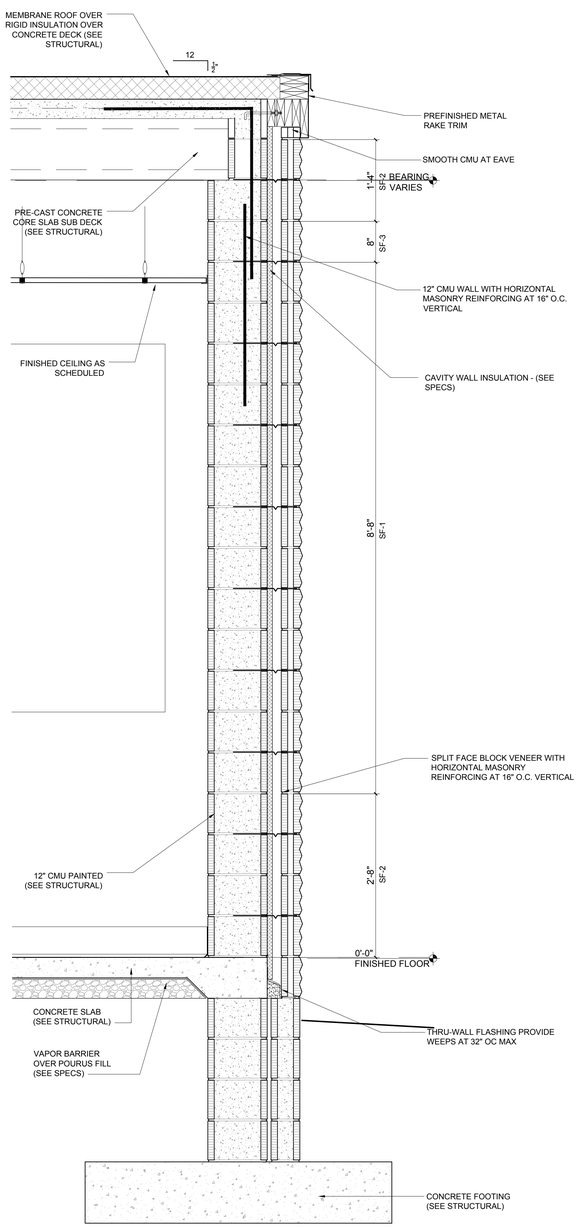
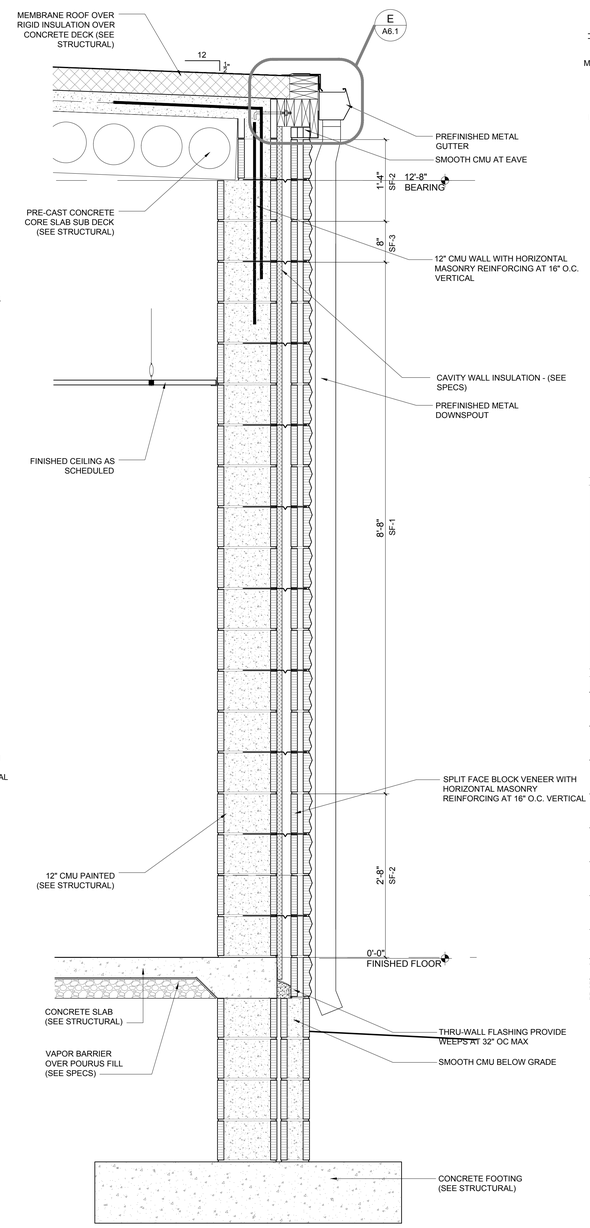
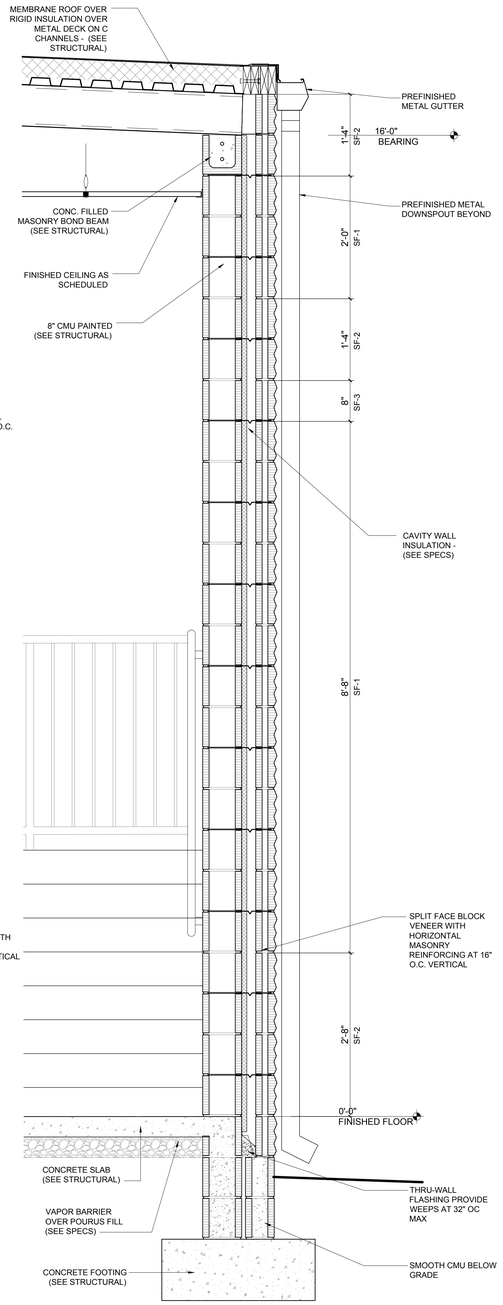
- Tuesday, June 07, 2022 9:38:11 AM



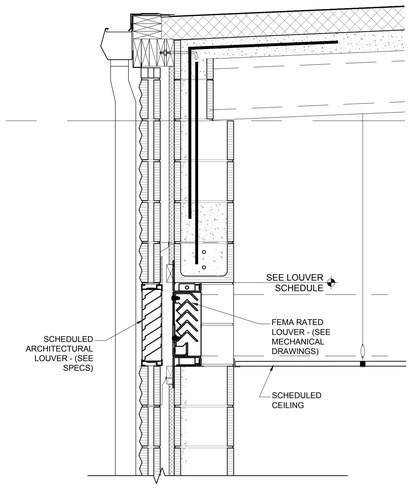
A Wall Section
Scale: 1" = 1'-0"



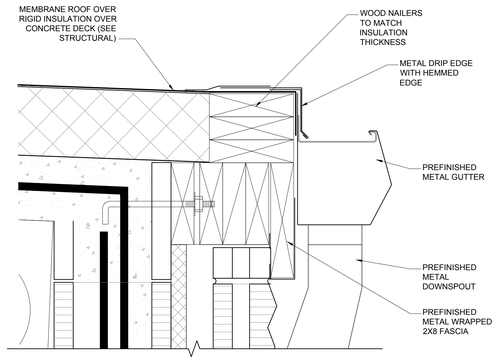
B Wall Section
Scale: 1" = 1'-0"



C Wall Section
Scale: 1" = 1'-0"



D Louver Detail Typical
Scale: 1" = 1'-0"



E Large Scale Detail
Scale: 3" = 1'-0"

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

STATE OF ALABAMA
WALTER T. MCKEE, JR.
No. 1092
MONTGOMERY, AL.
REGISTERED ARCHITECT

SHEET TITLE :	EDEN ELEMENTARY WALL SECTIONS
MCKEE JOB # :	21.184
PSCA # :	XXX
DRAWN BY :	KDD
DATE:	06.01.2022
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	

SHEET NO. : A6.1

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- Tuesday, June 07, 2022 9:38:16 AM

DOOR SCHEDULE

DOOR #	WIDTH	HEIGHT	THICKNESS	MATERIALS	DOOR TYPE	DOOR FINISH	FRAME TYPE	FRAME FINISH	LABEL	DETAILS HEAD	DETAILS JAMB	SIGNAGE	REMARKS
101	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	C	STAIN	HM1	PAINT	20 MIN.	3/A7.1	4/A7.1	GIRLS	---
102A	3'-8"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	C	STAIN	HM1	STAIN	20 MIN.	3/A7.1	4/A7.1	JANITOR	---
102B	2'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	C	STAIN	HM1	PAINT	---	3/A7.1	4/A7.1	-	---
103	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	C	STAIN	HM1	PAINT	20 MIN.	3/A7.1	4/A7.1	BOYS	---
104	3'-4	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	C	STAIN	HM1	PAINT	---	3/A7.1	4/A7.1	MECHANICAL	---
105A	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	B	STAIN	HM1	PAINT	20 MIN.	3/A7.1	4/A7.1	BAND ROOM	PANIC BAR
105B	3'-8"	7'-0"	1 3/4"	FEMA RATED STORM DOORS/FRAME	C	PAINT	HM1	PAINT	---	1/A7.1	2/A7.1	-	PANIC BAR
106	PR3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	C	STAIN	HM1	PAINT	45 MIN	3/A7.1	4/A7.1	ELECTRICAL	PANIC BAR
107	3'-4"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	C	STAIN	HM1	PAINT	---	3/A7.1	4/A7.1	MECHANICAL	---
108A	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	B	STAIN	HM1	PAINT	20 MIN.	3/A7.1	4/A7.1	CLASSROOM	PANIC BAR
108B	3'-0"	7'-0"	1 3/4"	FEMA RATED STORM DOORS/FRAME	C	PAINT	HM1	PAINT	---	1/A7.1	2/A7.1	-	PANIC BAR
109	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	C	STAIN	HM1	PAINT	---	3/A7.1	4/A7.1	STORAGE	---
110	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	B	STAIN	HM1	PAINT	---	3/A7.1	4/A7.1	REPAIR	---
111	PR3'-0"	7'-0"	1 3/4"	FEMA RATED STORM DOORS/FRAME	C	PAINT	HM1	PAINT	90 MIN.	3/A7.1	4/A7.1	-	PANIC BAR W/ HOLD OPEN
112A	PR3'-0"	7'-0"	1 3/4"	ALUMINUM STORE FRONT	A	FACTORY	SF1	FACTORY	---	5/A7.1	6/A7.1	-	PANIC BAR
112B	PR3'-0"	7'-0"	1 3/4"	ALUMINUM STORE FRONT	A	FACTORY	SF1	FACTORY	---	5/A7.1	6/A7.1	-	PANIC BAR
113A	PR3'-0"	7'-0"	1 3/4"	ALUMINUM STORE FRONT	A	FACTORY	SF1	FACTORY	---	5/A7.1	6/A7.1	-	PANIC BAR
113B	PR3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	C	STAIN	HM1	PAINT	3 HR.	3/A7.1	4/A7.1	-	PANIC BAR W/ HOLD OPEN
113C	PR3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	B	STAIN	HM1	PAINT	90 MIN.	3/A7.1	4/A7.1	-	PANIC BAR
114	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	C	STAIN	HM1	PAINT	---	3/A7.1	4/A7.1	STORAGE	---

ROOM FINISH SCHEDULE

--- - NO WORK REQUIRED GBP - GYPSUM BOARD - PAINT GB - GYPSUM BOARD - NO PAINT MGBP - MOISTURE RESISTANT GYPSUM BOARD - PAINT MGB - MOISTURE RESISTANT GYPSUM BOARD - NO PAINT IGBP - IMPACT RESISTANT GYPSUM BOARD - PAINT IGB - IMPACT RESISTANT GYPSUM BOARD - NO PAINT	CMUP - CONCRETE MASONRY UNIT - PAINT CMU - CONCRETE MASONRY UNIT - NO PAINT CMUE - CONCRETE MASONRY UNIT - EPOXY PAINT COATING IMWP - INTERIOR METAL WALL PANELS PLP - PLASTIC LAMINATE WALL PANELS CT - CERAMIC TILE PT - PORCELAIN TILE	TR - TERRAZZO SC - SEALED CONCRETE RFT - RUBBER FLOOR TILES RSF - ROLL RUBBER SPORTS FLOORING VCT - VINYL COMPOSITION TILE WGF - WOOD GYMNASIUM FLOORING C - CARPET	PF - POLYMER FLOORING RB - RUBBER BASE W - WOOD BASE VCB - VENTILATED COVE BASE

ROOM #	ROOM NAME	FLOOR	BASE	WALLS NORTH	WALLS SOUTH	WALLS EAST	WALLS WEST	CEILING TYPE	CEILING HEIGHT	WAINS.	HEIGHT	REMARKS
101	GIRLS	PT	PT	CMUP	CMUP	CMUP	CMUP	-		---	---	-
102	JANITOR	SC	-	CMUP	CMUP	CMUP	CMUP			---	---	
103	BOYS	PT	PT	CMUP	CMUP	CMUP	CMUP			---	---	
104	MECHANICAL	SC	-	CMUP	CMUP	CMUP	CMUP			---	---	
105	BAND ROOM	LVT	RB	CMUP	CMUP	CMUP	CMUP			---	---	
106	ELECTRICAL	SC	-	CMUP	CMUP	CMUP	CMUP			---	---	
107	MECHANICAL	SC	-	CMUP	CMUP	CMUP	CMUP			---	---	
108	CLASSROOM	LVT	RB	CMUP	CMUP	CMUP	CMUP			---	---	
109	STORAGE	LVT	RB	CMUP	CMUP	CMUP	CMUP			---	---	
110	REPAIR	LVT	RB	CMUP	CMUP	CMUP	CMUP			---	---	
111	CORRIDOR	LVT	RB	CMUP	CMUP	CMUP	CMUP			---	---	
112	CONNECTOR	LVT	RB	CMUP	CMUP	CMUP	CMUP			---	---	
113	CONNECTOR	LVT	RB	CMUP	CMUP	CMUP	CMUP			---	---	
114	STORAGE	LVT	RB	CMUP	CMUP	CMUP	CMUP			---	---	

SIGN MOUNTING HEIGHT

703.4.1 HEIGHT ABOVE FINISH FLOOR OF GROUND
TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48 INCHES (1220 mm) MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST TACTILE CHARACTER AND 60 INCHES (1525 mm) MAXIMUM ABOVE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST TACTILE CHARACTER.
EXCEPTION: BRAILLE PROVIDED ON ELEVATOR CAR CONTROLS SHALL BE SEPARATED $\frac{3}{16}$ INCHES (4.8 mm) MINIMUM AND SHALL BE LOCATED EITHER DIRECTLY BELOW OR ADJACENT TO THE CORRESPONDING RAISED CHARACTERS OR SYMBOLS.

703.4.2 LOCATION
WHERE A TACTILE SIGN IS PROVIDED AT A DOOR, THE SIGN SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR. WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT THE CLEAR FLOOR SPACE OF 18 INCHES (455 mm) MINIMUM, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSEST POSITION AND 45 DEGREE OPEN POSITION.
EXCEPTION: SIGNS WITH TACTILE CHARACTERS SHALL BE PERMITTED ON THE PUSH SIDE OF DOORS WITH CLOSERS AND WITHOUT HOLD-OPEN DEVICES.

SIGNAGE NOTES:

FURNISH INDIVIDUAL PLASTIC LAMINATE SIGNAGE SYSTEM WITH ROOM OR OCCUPANT'S NAME AND ROOM NUMBER. FINAL WORDING TO BE FURNISHED WHEN SHOP DRAWINGS FOR SIGNAGE SYSTEM ARE SUBMITTED. FURNISH INDIVIDUAL PLASTIC LAMINATE RESTROOM SIGNS FOR DOOR(S) AND HANDICAPED ACCESS SIGN TO BE PLACED ON WALL BESIDE RESTROOM DOOR(S) -SEE DIAGRAM.

LABELED DOOR AND FRAME NOTE:

HOURLY RATING DESIGNATIONS AND / OR ALPHABETICAL LETTER DESIGNATIONS ARE GIVEN WHERE PROTECTED OPENINGS ARE REQUIRED IN RATED PARTITIONS. THESE OPENING PROTECTIVE ASSEMBLIES SHALL INCLUDE THE FRAME, DOOR, HARDWARE, CLOSING DEVICE, SILL AND ANCHORAGE. CONTRACTOR SHALL SEE THAT NO COMPONENT IS OMITTED OR SUBSTANDARD QUALITY USED SUCH THAT THE EFFECTIVENESS OF THE ENTIRE OPENING AS A FIRE OR SMOKE BARRIER MIGHT BE JEOPARDIZED. DOORS AND FRAMES SHALL BE FURNISHED WITH UNDERWRITER'S LABORATORIES OR WARNOCKHERSEY LABELS WITH APPROPRIATE FIRE RESISTANCE RATINGS FOR THE CLASS OF OPENING SCHEDULED. SUBJECT TO DOOR MANUFACTURER'S PROCEDURAL LIMITATIONS, LABELS SHOULD BEAR THE FOLLOWING NOTATION: "FIRE DOOR, TO BE EQUIPPED WITH FIRE EXIT HARDWARE"

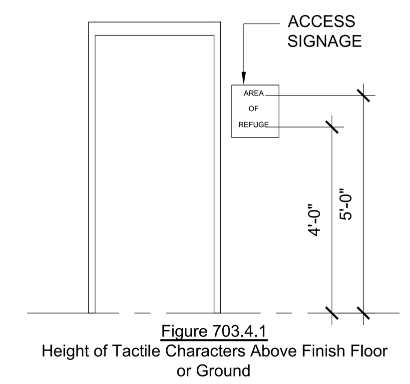


Figure 703.4.1
Height of Tactile Characters Above Finish Floor or Ground

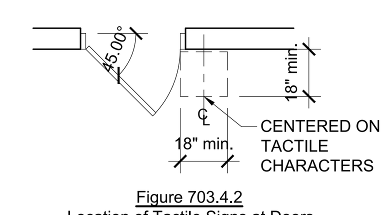
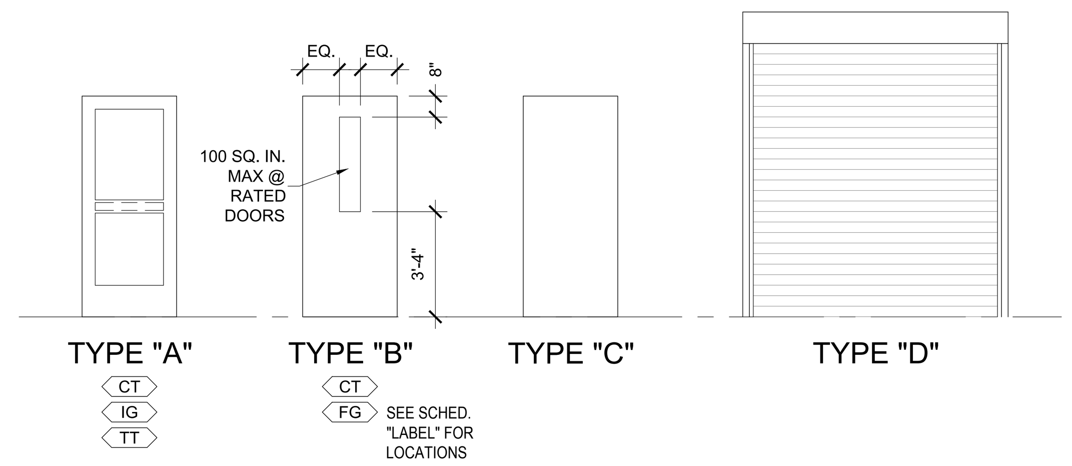


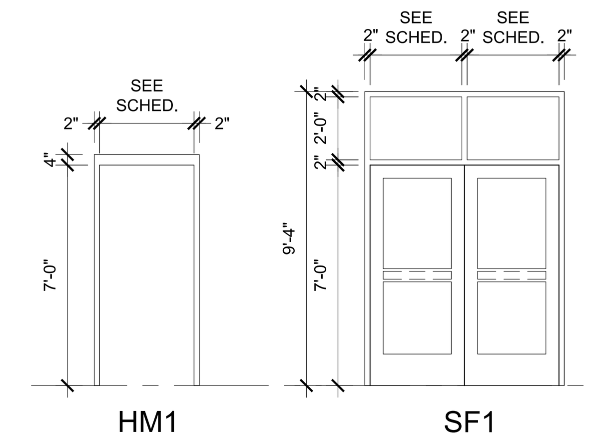
Figure 703.4.2
Location of Tactile Signs at Doors



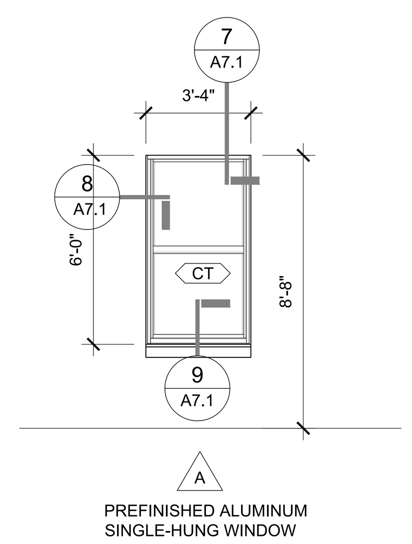
TYPICAL DOOR TYPES
SCALE: 1/4" - 1'-0"

GLAZING SCHEDULE

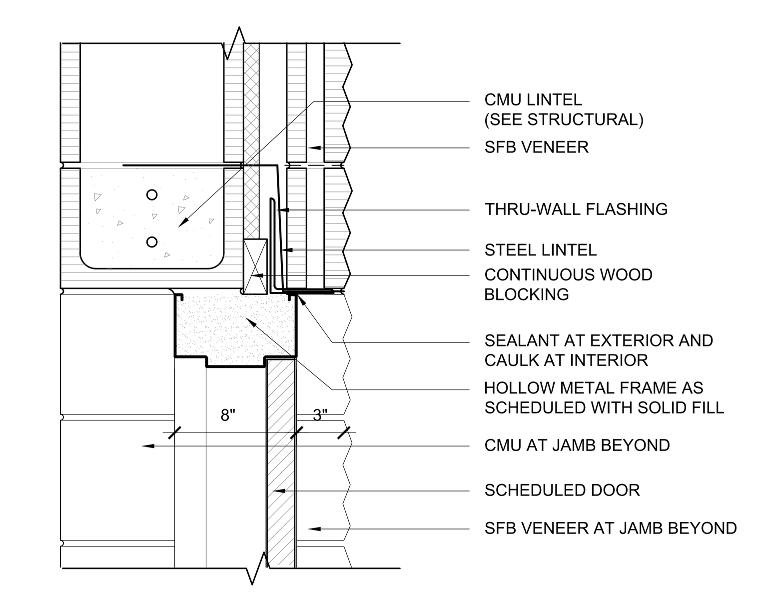
SYMBOL	DESCRIPTION
CT	CLEAR TEMPERED
IG	INSULATING GLASS
TT	TINTED TEMPERED
FG	FIRE GLASS



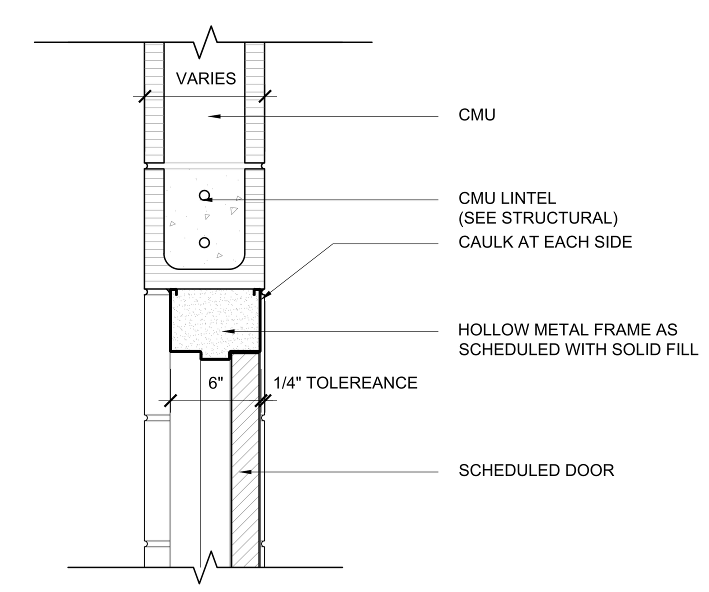
TYPICAL FRAME TYPES
SCALE: 1/4" - 1'-0"



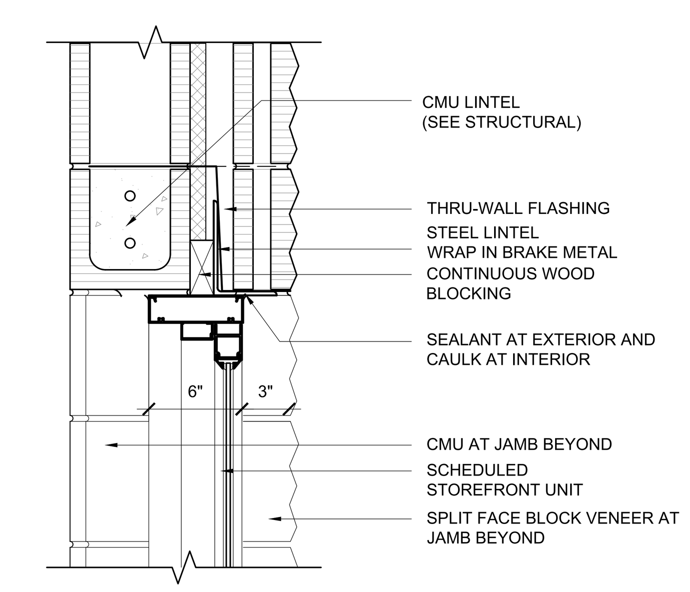
WINDOW SCHEDULE
SCALE: 1/4" - 1'-0"



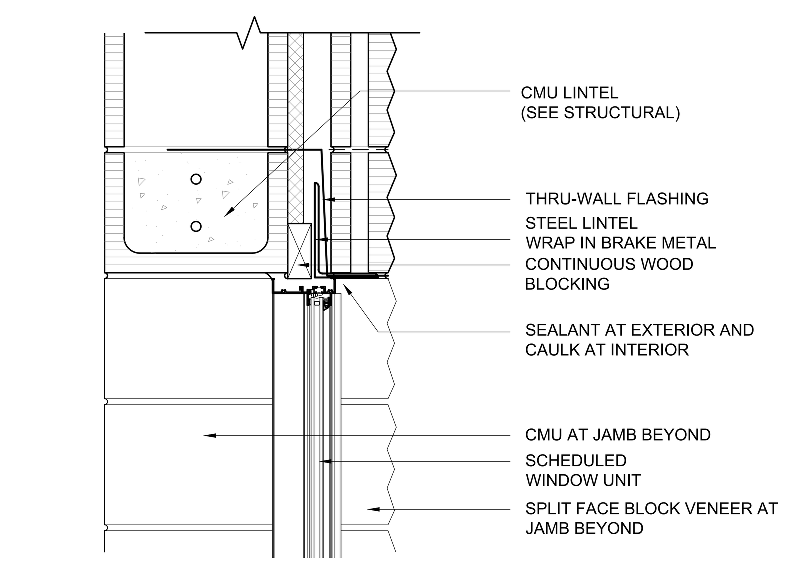
1 DOOR HEAD DETAIL
SCALE: 1 1/2"=1'-0" HEAD



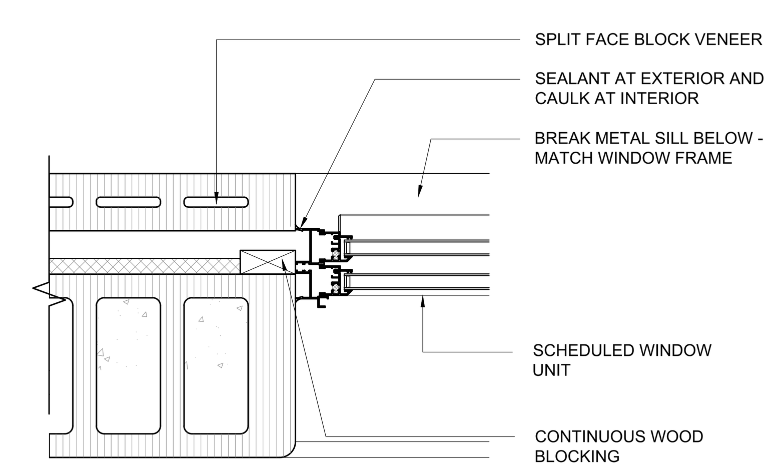
3 DOOR HEAD DETAIL
SCALE: 1 1/2"=1'-0" HEAD



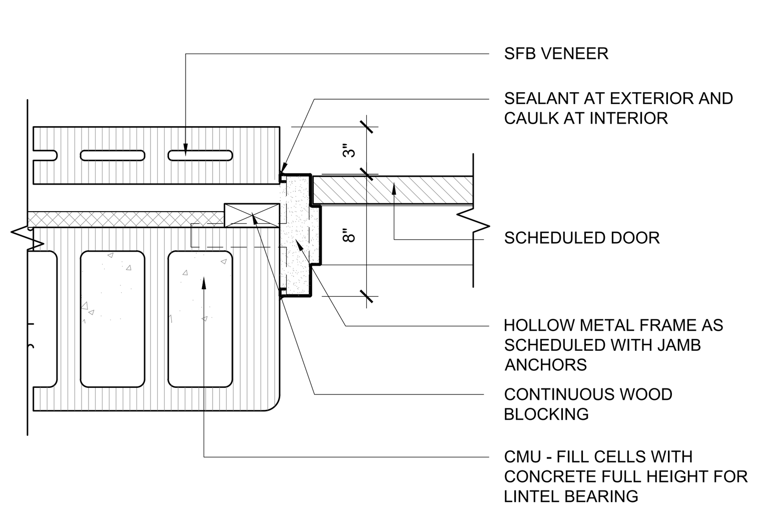
5 DOOR HEAD DETAIL
SCALE: 1 1/2"=1'-0" HEAD



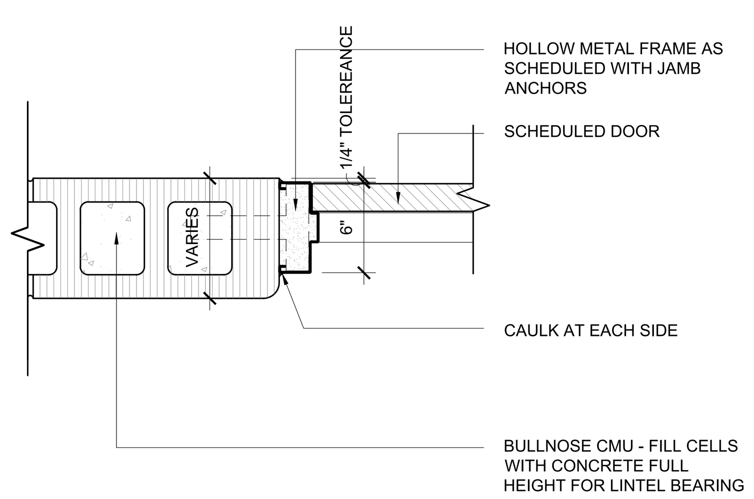
7 WINDOW DETAIL
SCALE: 1 1/2"=1'-0" HEAD



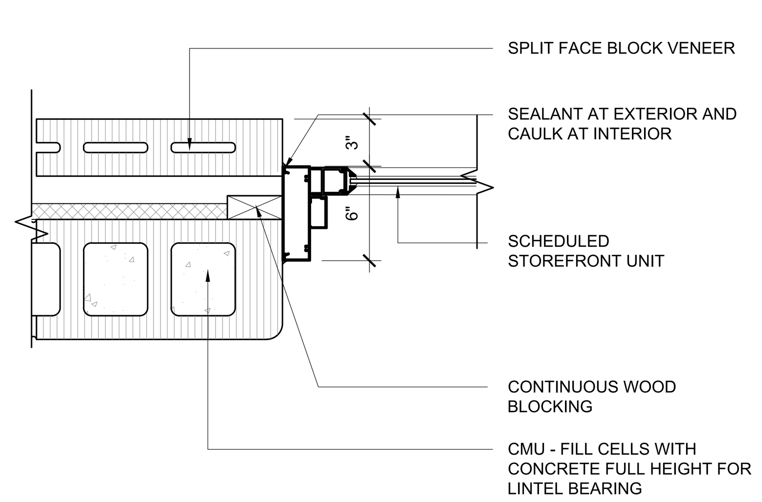
8 WINDOW DETAIL
SCALE: 1 1/2"=1'-0" JAMB



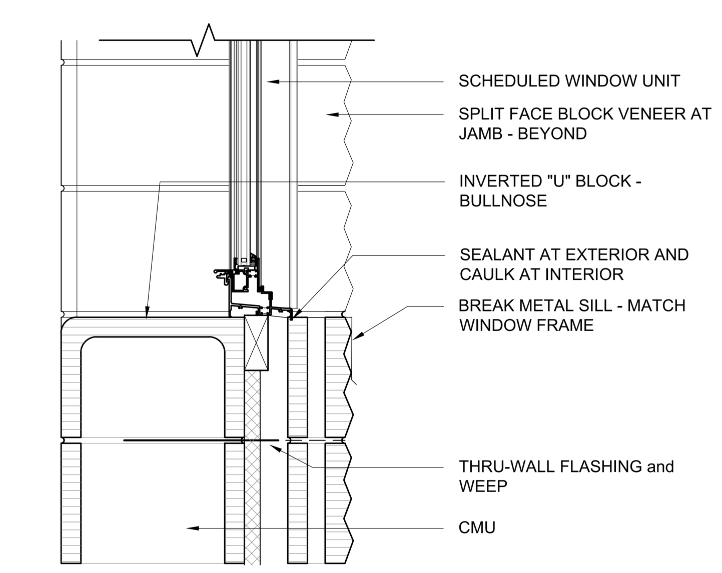
2 DOOR JAMB DETAIL
SCALE: 1 1/2"=1'-0" JAMB



4 DOOR JAMB DETAIL
SCALE: 1 1/2"=1'-0" JAMB



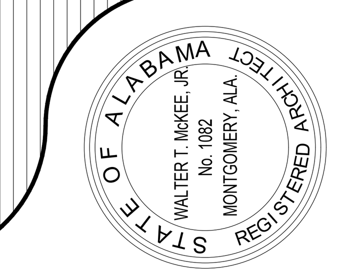
6 DOOR JAMB DETAIL
SCALE: 1 1/2"=1'-0" JAMB



9 WINDOW DETAIL
SCALE: 1 1/2"=1'-0" SILL

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

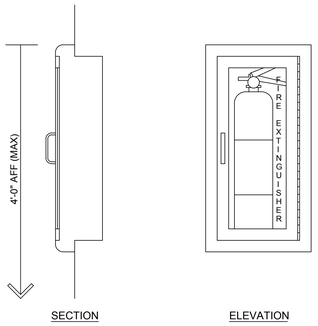
McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY , ALABAMA 36104 (334) 834-9933



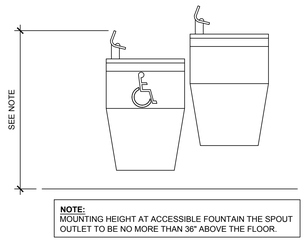
SHEET TITLE : EDEN ELEM. ROOM FINISH & DOOR SCHEDULE & DETAILS
MCKEE JOB # : 21.184
PSCA # : XXX
DRAWN BY : KDD
DATE: 06.01.2022
REVISED DATE:
REVISED DATE:
REVISED DATE:

SHEET NO. : A7.1

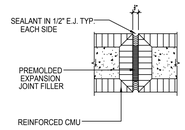
- /Users/kristiedieguez/ARCHITECT/McKEE ASSOCIATES/Eden Elem Art & Band Storm Shelter 21-185/A7.1 Door Schedule EDEN.dwg
- Tuesday, June 07, 2022 9:38:17 AM



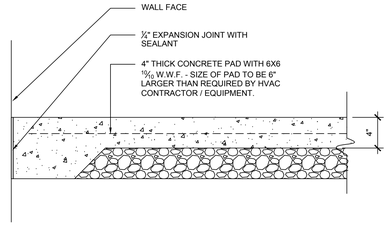
FIRE EXTINGUISHER CABINET (FEC)
SCALE: 1 1/2" - 1'-0"



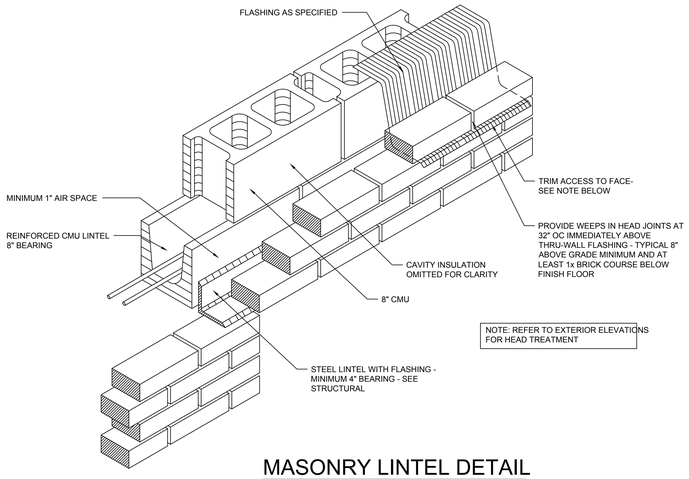
ELECTRIC WATER COOLER (EWC)
SCALE: 1 1/2" - 1'-0"



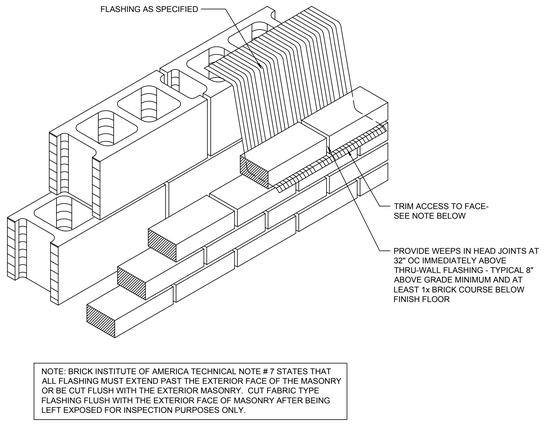
CMU CONTROL JOINT DETAIL (CCJ)
SCALE: 1 1/2" - 1'-0"



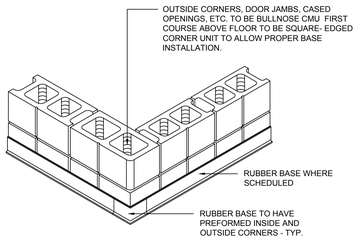
HVAC EQUIPMENT PAD (CEP)
SCALE: 1 1/2" - 1'-0"



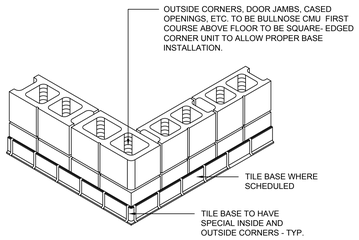
MASONRY LINTEL DETAIL
SCALE: 1 1/2" - 1'-0"



THRU-WALL FLASHING DETAIL
SCALE: 1 1/2" - 1'-0"



RUBBER BASE DETAIL
SCALE: 3/4" - 1'-0"



HARD TILE DETAIL
SCALE: 3/4" - 1'-0"

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

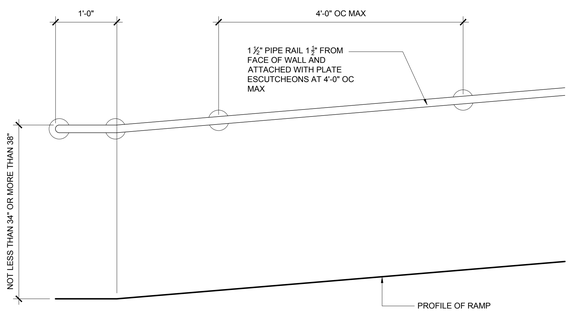
McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

STATE OF ALABAMA
WALTER T. McKEE, JR.
No. 1082
MONTGOMERY, ALA.
REGISTERED ARCHITECT

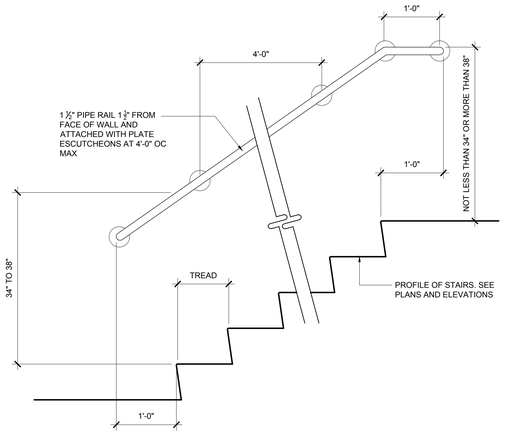
SHEET TITLE :	EDEN ELEMENTARY MISCELLANEOUS DETAILS
MCKEE JOB # :	21.184
PSCA # :	XXX
DRAWN BY :	KDD
DATE:	06.01.2022
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	

SHEET NO. : A8.1

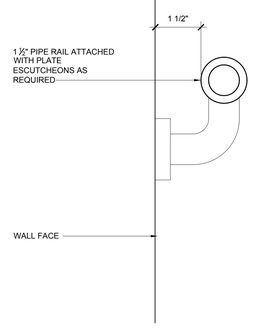
- /Users/kristiediaguez/ARCHITECT/McKEE ASSOCIATES/Eden Elem Art & Band Storm Shelter 21-185/A8.1 Miscellaneous Details EDEN.dwg
- Tuesday, June 07, 2022 9:38:18 AM



WALL MOUNTED HANDRAIL AT RAMP (WHR)
SCALE: 1" - 1'-0"



WALL MOUNTED HANDRAIL AT STAIR (WMH)
SCALE: 1" - 1'-0"



WALL MOUNTED HANDRAIL SECTION AT WALL
SCALE: 6" - 1'-0"

CODE NOTES:

1) HANDRAILS SHALL HAVE A CIRCULAR CROSS SECTION WITH AN OUTSIDE DIAMETER OF AT LEAST 1-1/4 IN. AND NOT MORE THAN 2 IN. (IBC SEC 1012.3)

2) INTERMEDIATE BALLISTERS, ORNAMENTAL PATTERNS OR PICKETS SHALL BE SPACED SUCH THAT A 4 IN. DIAMETER SPHERE SHALL NOT PASS THROUGH ANY OPENING. (IBC SEC 1013.3)

3) WALL HANDRAILS SHALL BE RETURNED TO THE WALL. THEY SHALL EXTEND HORIZONTALLY, AT THE REQUIRED HEIGHT, AT LEAST 12 IN. BEYOND THE TOP RISER AND CONTINUE TO SLOPE FOR A DEPTH OF ONE TREAD BEYOND THE FIRST RISER. (IBC SEC 1012.5)

GENERAL NOTES:

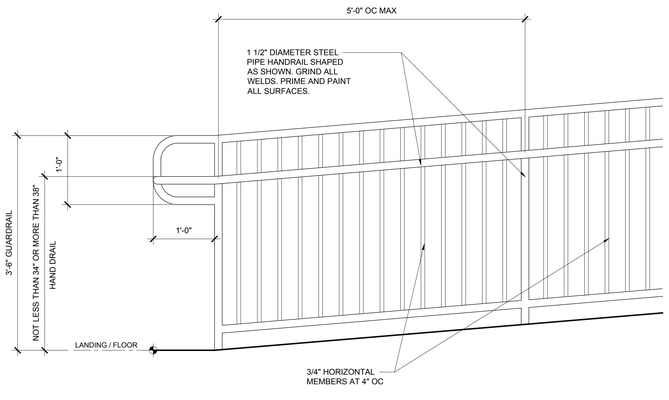
1) ALL HANDRAILS AND GUARDRAILS ARE TO BE CONSTRUCTED TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT AND THE INTERNATIONAL BUILDING CODE.

2) ALL WELDS ON METAL STAIRS AND RAILINGS ARE TO BE GROUND SMOOTH.

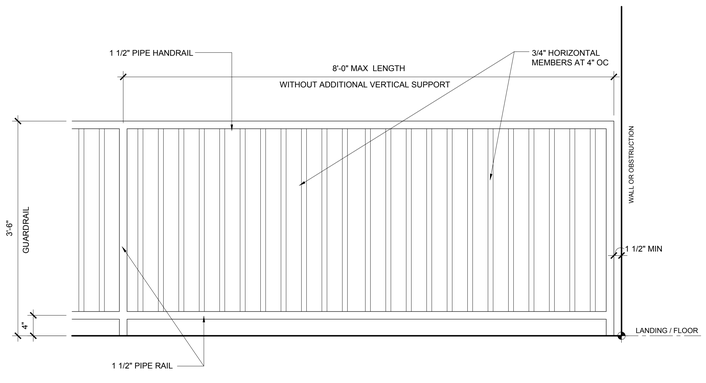
3) PRIME AND PAINT ALL EXPOSED STEEL OF METAL STAIRS AND RAILS.

4) FIELD VERIFY ALL CONDITIONS PRIOR TO FABRICATION.
AT ALL TRANSITIONS WITH THE FLOOR, PROVIDE ESCUTCHEONS OF THE SAME MATERIAL FOR CRAFTED APPEARANCE.

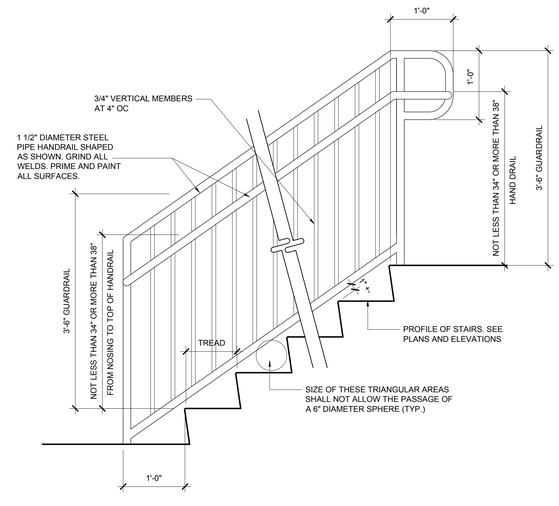
5) ALL RAILING COMPOSITIONS ARE TO BE EQUALLY SPACED ALONG A CONTINUOUS RUN. THE COMPOSITIONS ARE TO BE CENTERED WITHIN EACH PANEL-TYP.
SEE PLANS FOR ADDITIONAL INFO.



METAL GUARDRAIL / HANDRAIL AT RAMP (GR/HR)
SCALE: 1" - 1'-0"



METAL GUARDRAIL (GR)
SCALE: 1" - 1'-0"



METAL GUARDRAIL / HANDRAIL AT STAIR (GR/HR)
SCALE: 1" - 1'-0"

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

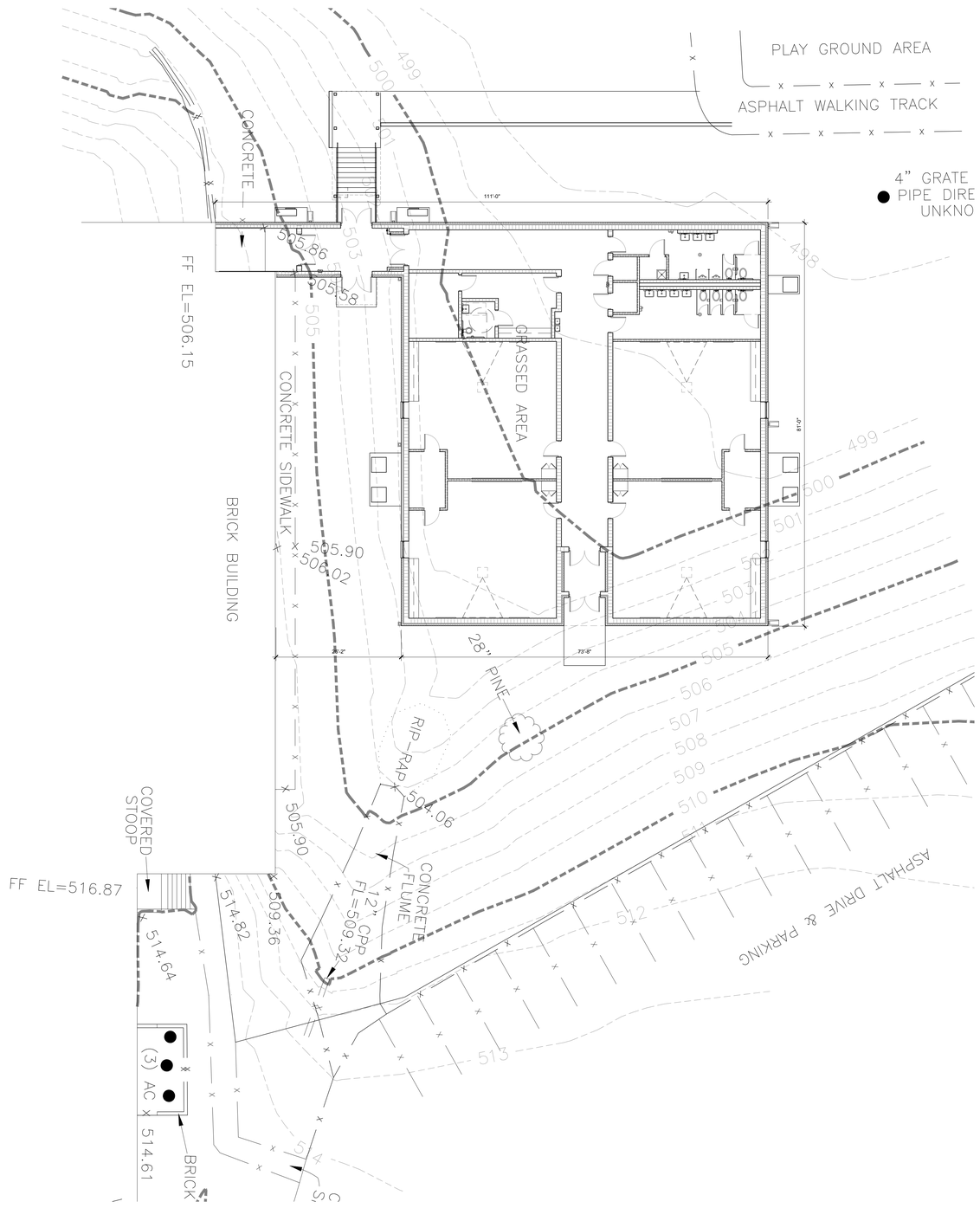
McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

STATE OF ALABAMA
WALTER T. McKEE, JR.
No. 1082
MONTGOMERY, ALA.
REGISTERED ARCHITECT

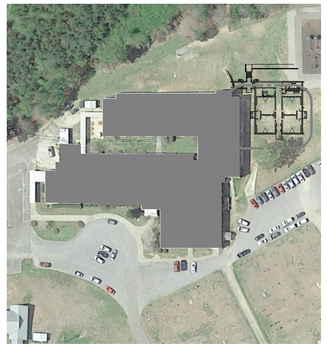
SHEET TITLE :	EDEN ELEMENTARY MISCELLANEOUS DETAILS
MCKEE JOB # :	21.184
PSCA # :	XXX
DRAWN BY :	KDD
DATE:	06.01.2022
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	

SHEET NO. : A8.2

- /Users/kristiedieguez/ARCHITECT/McKEE ASSOCIATES/Eden Elem Art & Band Storm Shelter 21-185/A8.2 Miscellaneous Details EDEN.dwg
- Tuesday, June 07, 2022 9:38:18 AM



ARCHITECTURAL SITE PLAN
SCALE: 3/32" = 1'-0"



KEY PLAN
SCALE: NTS

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

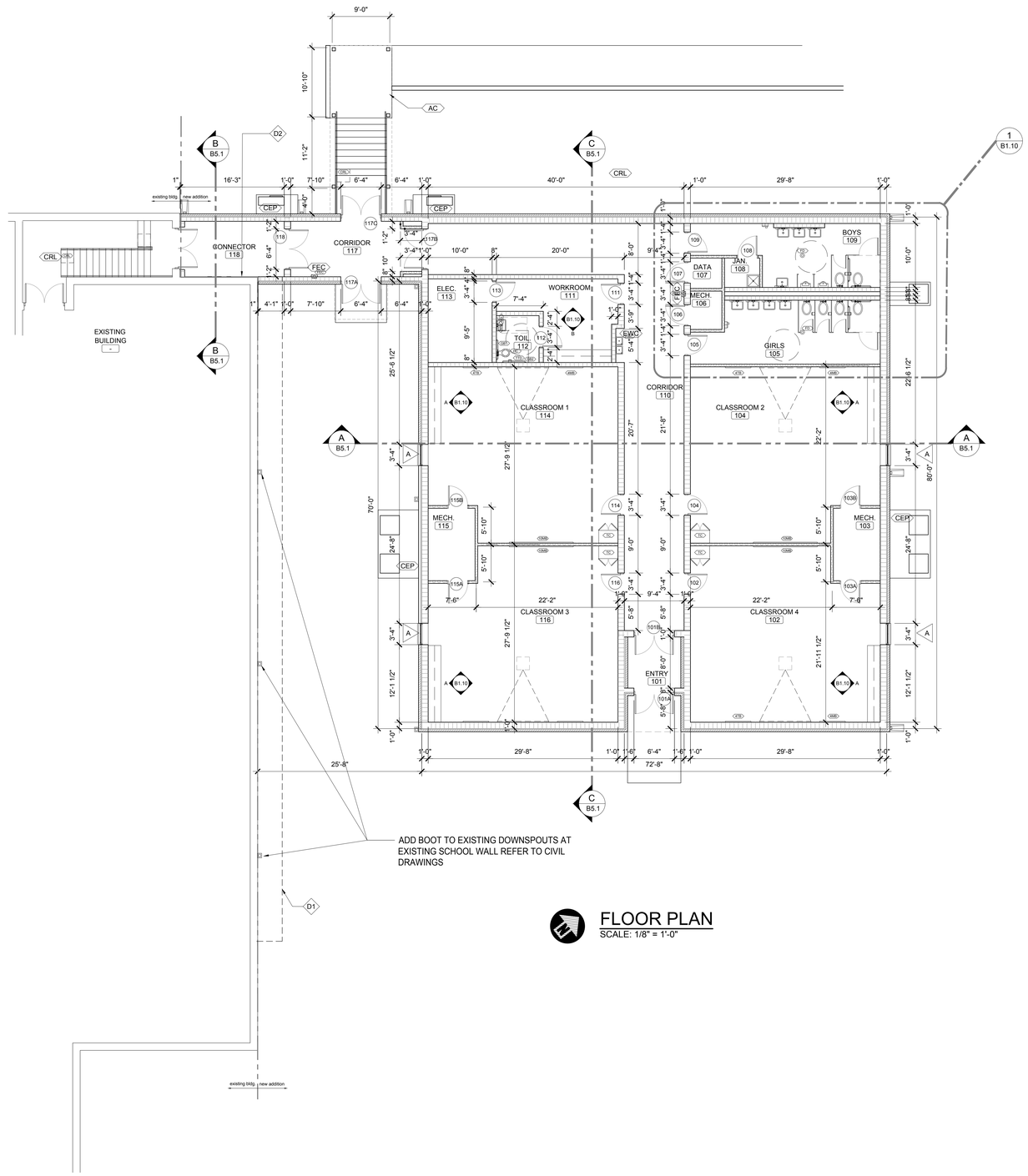
McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

STATE OF ALABAMA
WALTER T. McKEE, JR.
No. 1082
MONTGOMERY, ALA.
REGISTERED ARCHITECT

SHEET TITLE :	COOSA VALLEY ELEM. ARCHITECTURAL SITE PLAN
MCKEE JOB # :	21.184
PSCA # :	XXX
DRAWN BY :	KDD
DATE:	06.01.2022
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	

SHEET NO. : B0.1

- /Users/kristieflieguez/ARCHITECT/McKEE ASSOCIATES/Coosa Valley Classroom Addition 21-184/B0.1 Overall Floor Plan COOSA.dwg
- Tuesday, June 07, 2022 9:38:20 AM



FLOOR PLAN

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

FLOOR PLAN LEGEND

SYMBOL	DESCRIPTION
A---	SCHEDULED DOOR AND FRAME
-	SCHEDULED WINDOW UNIT
CORRIDOR ---	SCHEDULED ROOM NAME AND NUMBER
- AX.X	SECTION / DETAIL SYMBOL
- AX.X	BUILDING SECTION SYMBOL
X AX.X X	INTERIOR ELEVATION SYMBOL
P-	WALL PARTITION TYPES
EWC	ELECTRIC WATER COOLER (SEE DETAIL SHEET B8.1)
FEC	FIRE EXTINGUISHER CABINET (SEE DETAIL SHEET B8.1)
CEP	CONCRETE EQUIPMENT PAD (SEE DETAIL SHEET B8.1)
RA	RETURN AIR (SEE MECHANICAL)
4MB	4'-0" MARKER BOARD
4TB	4'-0" TACK BOARD
10MB	10'-0" MARKER BOARD
TC	TEACHER CABINET (SEE SHEET B1.10)
CRL	ADA CHAIR RAIL LIFT (SEE SPECS)
AC	ALUMINUM CANOPY (SEE SHEET B8.2)

DEMOLITION PLAN LEGEND

SYMBOL	DESCRIPTION
	EXISTING TO REMAIN
	EXISTING TO BE REMOVED
D1	REMOVE EXISTING SIDEWALK AS INDICATED - SEE CIVIL DRAWINGS
D2	CLEAN EXISTING SPLITFACE BLOCK WALL TO REMAIN EXPOSED

SITE OF WORK EXAMINATION

THESE DRAWINGS WERE COMPILED BY THE ARCHITECT FROM THE OWNER'S RECORD DRAWINGS AND FROM ON-SITE OBSERVATIONS TO INDICATE THE BUILDING ARRANGEMENT.

ALL CONTRACTORS SUBMITTING PROPOSALS FOR THIS WORK SHALL FIRST EXAMINE THE PREMISES AND ALL CONDITIONS THEREIN. ALL PROPOSALS SHALL TAKE INTO CONSIDERATION ALL SUCH CONDITIONS AS MAY AFFECT THE WORK UNDER THIS CONTRACT.

DRAWINGS ARE DIMENSIONED FOR BIDDING PURPOSES ONLY. CONTRACTORS SHALL MEASURE ALL EXISTING WORK AT THE PREMISES AND VERIFY ALL DIMENSIONS NEEDED TO PROPERLY INTERFACE IMPROVEMENTS WITH ALL EXISTING ELEMENTS WHICH ARE TO REMAIN.

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

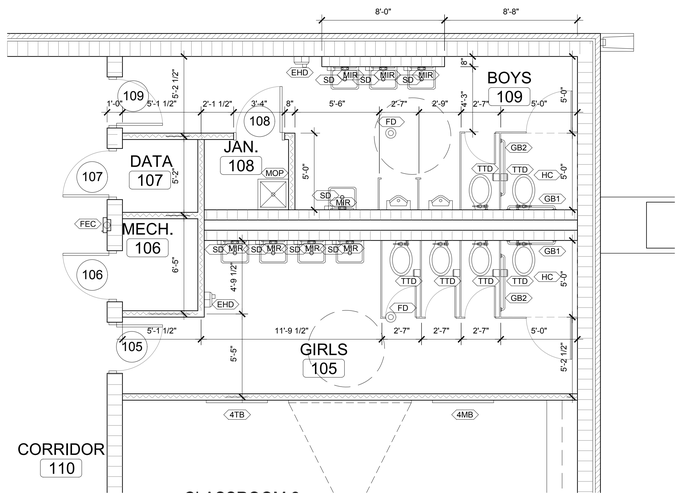
McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

STATE OF ALABAMA
WALTER T. McKEE, JR.
No. 1082
MONTGOMERY, ALA.
REGISTERED ARCHITECT

SHEET TITLE :	COOSA VALLEY ELEM. FLOOR PLAN
MCKEE JOB # :	21.184
PSCA # :	XXX
DRAWN BY :	KDD
DATE:	06.01.2022
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	

SHEET NO. : B1.1

- /Users/kristiediegueiz/ARCHITECT/McKEE ASSOCIATES/Coosa Valley Classroom Addition 21-184/B1.1 Floor Plan - COOSA.dwg
- Tuesday, June 07, 2022 9:38:22 AM



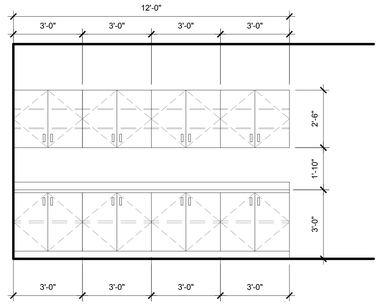
1 ENLARGED PLAN
SCALE: 1/4" = 1'-0"

TOILET ACCESSORIES LEGEND

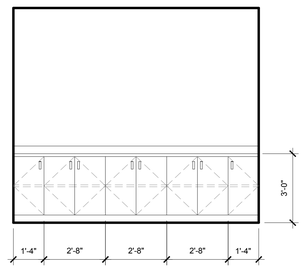
KEYNOTE	DESCRIPTION
TTD	TOILET TISSUE DISPENSER TO BE MOUNTED 8" OC IN FRONT OF TOILET AND OUTLET OF DISPENSER MUST BE BETWEEN 15" & 48" AFF (SEE SPECS)
PTD	PAPER TOWEL DISPENSER TO BE MOUNTED 48" OC AFF (SEE SPECS)
SD	SOAP DISPENSER TO BE MOUNTED WHERE HAND CONTROLS ARE 48" OC AFF (SEE SPECS)
GB1	36" GRAB BAR MOUNTED WHERE CENTERLINE OF WALL MOUNT IS 6" OUT FROM CORNER OF WALL / TOILET PARTITION AND IS TO BE 33"-36" AFF (SEE SPECS)
GB2	42" GRAB BAR MOUNTED WHERE CENTERLINE OF WALL MOUNT IS 12" OUT FROM CORNER OF WALL / TOILET PARTITION AND IS TO BE 33"-36" AFF (SEE SPECS)
GB3	CORNER GRAB BAR AND IS TO BE 33"-36" AFF (SEE SPECS)
MIR	18" X 36" MIRROR WITH SHELF TO BE MOUNTED WITH THE BOTTOM EDGE 35" AFF AND THE TOP EDGE 71" AFF (SEE SPECS)
HC	HANDICAPPED ACCESSIBLE TOILET / URINAL TO BE MOUNTED 17" AFF
EHD	ELECTRIC HAND DRYER TO BE MOUNTED 48" OC AFF (SEE SPECS)

FLOOR PLAN LEGEND

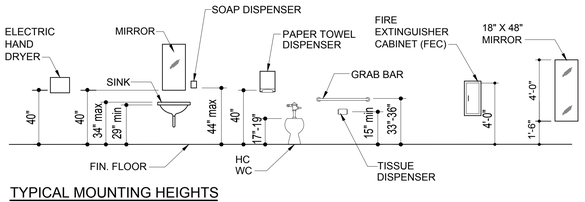
SYMBOL	DESCRIPTION
CORRIDOR 110	SCHEDULED ROOM NAME AND NUMBER
P-	WALL PARTITION TYPES
X X AX.X X X	INTERIOR ELEVATION SYMBOL
FD	FLOOR DRAIN (SEE PLUMBING DRAWINGS)
MOP	MOP SINK (SEE PLUMBING DRAWINGS)
NIC	NOT IN CONTRACT



CASEWORK ELEVATION - A
SCALE: 3/8" - 1'-0"
CLASSROOMS

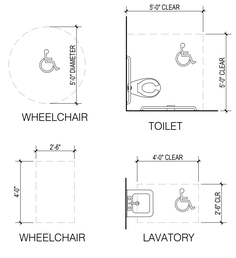


CASEWORK ELEVATION - B
SCALE: 3/8" - 1'-0"
WORKROOM



TYPICAL MOUNTING HEIGHTS
SCALE: 1/4" = 1'-0"

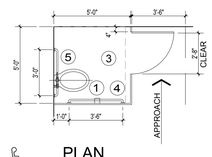
NOTE: GRAB BARS SHALL BE INSTALLED IN A HORIZONTAL POSITION, 33 IN. MIN. and 36 IN. MAX. ABOVE FINISHED FLOOR MEASURED TO THE TOP OF THE GRIPPING SURFACE. WHERE MIN. and MAX. DIMENSIONS ARE GIVEN, NO TOLERANCE OUTSIDE OF THE DIMENSION RANGE AT EITHER END POINT IS PERMITTED.



TYPICAL HANDICAP CLEAR FLOOR SPACES
SCALE: 1/4"=1'-0"

KEY NOTES

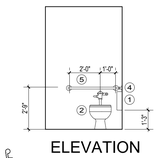
1. TOILET PAPER DISPENSER SHALL BE 7 IN. MIN. and 9 IN. MAX. IN FRONT OF WATER CLOSET MEASURED TO CENTERLINE OF DISPENSER. THE DISPENSER OUTLET SHALL BE 15 IN. MIN. and 48 IN. MAX. ABOVE FLOOR and NOT BE LOCATED BEHIND GRAB BARS.
2. WATER CLOSET HEIGHT TO BE 17 IN. TO 19 IN. MEASURED TO TOP OF SEAT.
3. WHEELCHAIR ACCESSIBLE STALLS SHALL BE 60" MINIMUM DEPTH AND WIDTH WITH 32" MINIMUM WIDTH DOOR THAT SWINGS OUT. CENTER LINE OF WATER CLOSET TO BE 16" TO 18" FROM NEAR WALL.
4. A HORIZONTAL SIDE WALL GRAB BAR 42" LONG MINIMUM, LOCATED 12" MAX. FROM REAR WALL AND EXTENDING 54" MINIMUM FROM REAR WALL.
5. THE REAR WALL GRAB BAR SHALL BE 24 IN. LONG MIN., CENTERED ON THE WATER CLOSET. WHERE SPACE PERMITS, THE BAR SHALL BE 36 IN. LONG MIN. WITH THE ADDITIONAL LENGTH PROVIDED ON THE TRANSFER SIDE OF THE WATER CLOSET.
6. GRAB BARS SHALL BE INSTALLED IN ANY MANNER THAT PROVIDES A GRIPPING SURFACE (TOP) AT THE LOCATION SHOWN AND DOES NOT OBSTRUCT THE CLEAR FLOOR SPACE.
7. COAT HOOKS PROVIDED WITHIN TOILET ROOMS SHALL BE 48 " MAX. ABOVE THE FLOOR. WHERE PROVIDED A FOLD DOWN SHELF SHALL BE 40" MIN. and 48" MAX. ABOVE FLOOR.
8. WHERE MIN. and MAX. DIMENSIONS ARE GIVEN, NO TOLERANCE OUTSIDE OF THE DIMENSION RANGE AT EITHER END POINT IS PERMITTED.



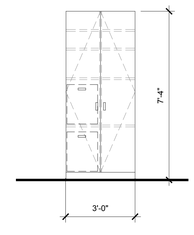
PLAN
WHEELCHAIR ACCESSIBLE TOILET
SCALE: 1/4" = 1'-0"

NOTE: THE CENTERLINE OF THE WATER CLOSET SHALL BE 16" MIN. AND 18" MAX. FROM THE SIDE WALL OR PARTITION.

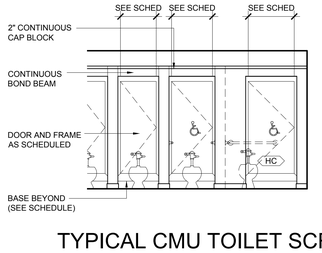
DOORWAYS SHALL HAVE A CLEAR OPENING OF 32" MINIMUM. CLEAR OPENING OF DOORWAYS WITH SWING DOORS SHALL BE MEASURED BETWEEN FACE OF DOOR AND STOP, WITH THE DOOR OPEN 90 DEGREES.



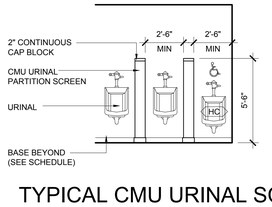
ELEVATION
WHEELCHAIR ACCESSIBLE TOILET
SCALE: 1/4" = 1'-0"



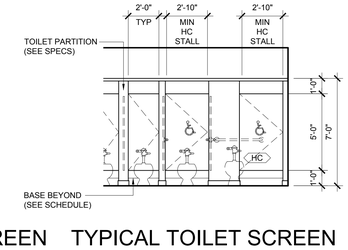
CASEWORK ELEVATION - C
SCALE: 3/8" - 1'-0"
TEACHER CABINET



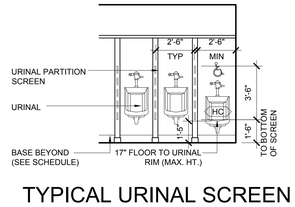
TYPICAL CMU TOILET SCREEN PARTITION ELEVATION
SCALE: 1/4" - 1'-0"



TYPICAL CMU URINAL SCREEN PARTITION ELEVATION
SCALE: 1/4" - 1'-0"



TYPICAL TOILET SCREEN PARTITION ELEVATION
SCALE: 1/4" - 1'-0"



TYPICAL URINAL SCREEN PARTITION ELEVATION
SCALE: 1/4" - 1'-0"

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

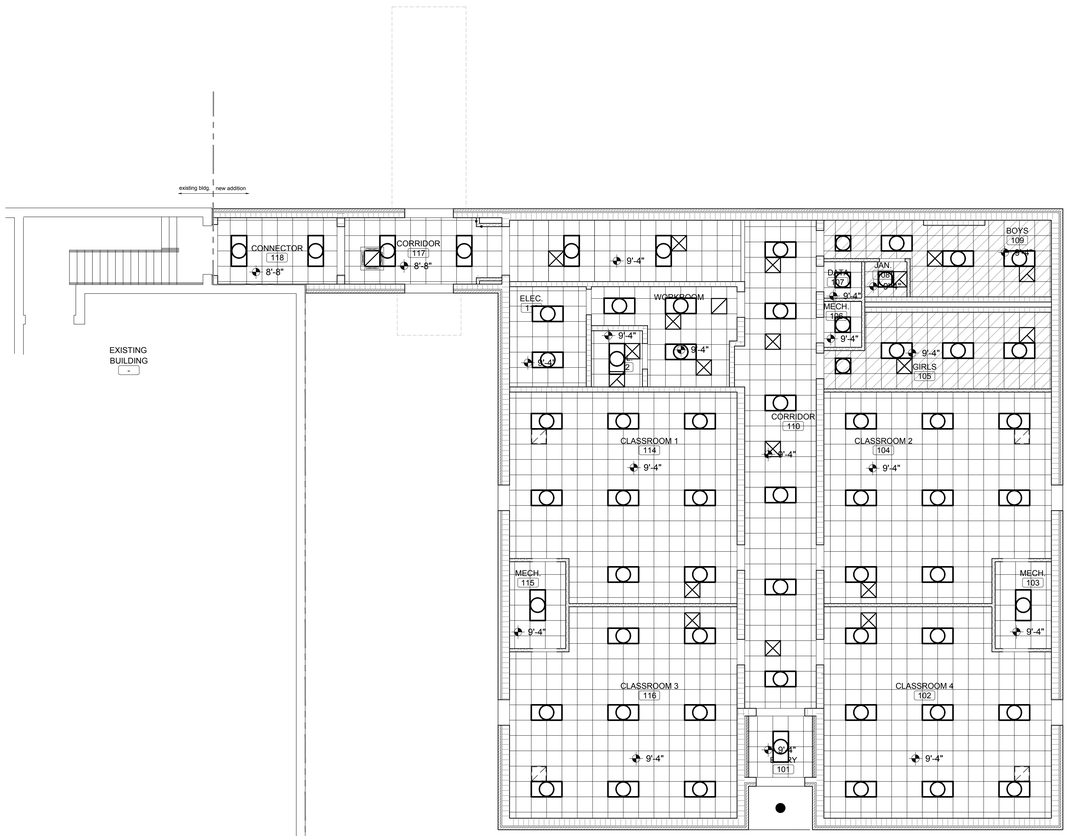
McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

STATE OF ALABAMA
WALTER T. McKEE, JR.
No. 1082
MONTGOMERY, ALA.
REGISTERED ARCHITECT

SHEET TITLE :	COOSA VALLEY ELEM. ENLARGED PLANS AND CASEWORK
MCKEE JOB # :	21.184
PSCA # :	XXX
DRAWN BY :	KDD
DATE:	06.01.2022
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	

SHEET NO. : B1.10

- /Users/kristiediegueiz/ARCHITECT/McKEE ASSOCIATES/Coosa Valley Classroom Addition 21-184/B1.10 Enlarged Plans COOSA.dwg
- Tuesday, June 07, 2022 9:38:25 AM



REFLECTED CEILING PLAN

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

REFLECTED CEILING PLAN LEGEND

SYMBOL	DESCRIPTION
0'-0"	HEIGHT ABOVE FINISHED FLOOR ELEVATION
	2'x2' LAY-IN ACOUSTICAL CEILING
	2'x2' VINYL CLAD LAY-IN ACOUSTICAL CEILING
	5/8" HARD/SOFT ACOUSTICAL TILE TREATMENT IN SUSPENDED CEILING GRID
	GYPSUM BOARD (SUSPENDED AS REQUIRED)
	MOISTURE RESISTANT GYPSUM BOARD (SUSPENDED AS REQUIRED)
	METAL SOFFIT PANELS (SUSPENDED AS REQUIRED)
EIFS	EXTERIOR INSULATED FINISH SYSTEM (SUSPENDED AS REQUIRED)
	OPEN TO ABOVE
	2'x4' RECESSED OR SURFACE MOUNTED LIGHT FIXTURE (SEE ELECTRICAL)
	2'x2' RECESSED OR SURFACE MOUNTED LIGHT FIXTURE (SEE ELECTRICAL)
	1'x4' RECESSED OR SURFACE MOUNTED LIGHT FIXTURE (SEE ELECTRICAL)
	1'x4' SURFACE MOUNTED LIGHT FIXTURE (SEE ELECTRICAL)
	RECESSED ROUND LIGHT FIXTURE (SEE ELECTRICAL)
	HVAC SUPPLY AIR GRILLE (SEE MECHANICAL)
	HVAC RETURN AIR GRILLE (SEE MECHANICAL)
	EXHAUST FAN GRILLE (SEE MECHANICAL)
	CASSETTE HEAT PUMP (SEE MECHANICAL)

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

STATE OF ALABAMA
WALTER T. McKEE, JR.
No. 1082
MONTGOMERY, ALA.
REGISTERED ARCHITECT

SHEET TITLE :	COOSA VALLEY ELEM. REFLECTED CEILING PLAN
MCKEE JOB # :	21.184
PSCA # :	XXX
DRAWN BY :	KDD
DATE:	06.01.2022
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	

SHEET NO. : B2.1

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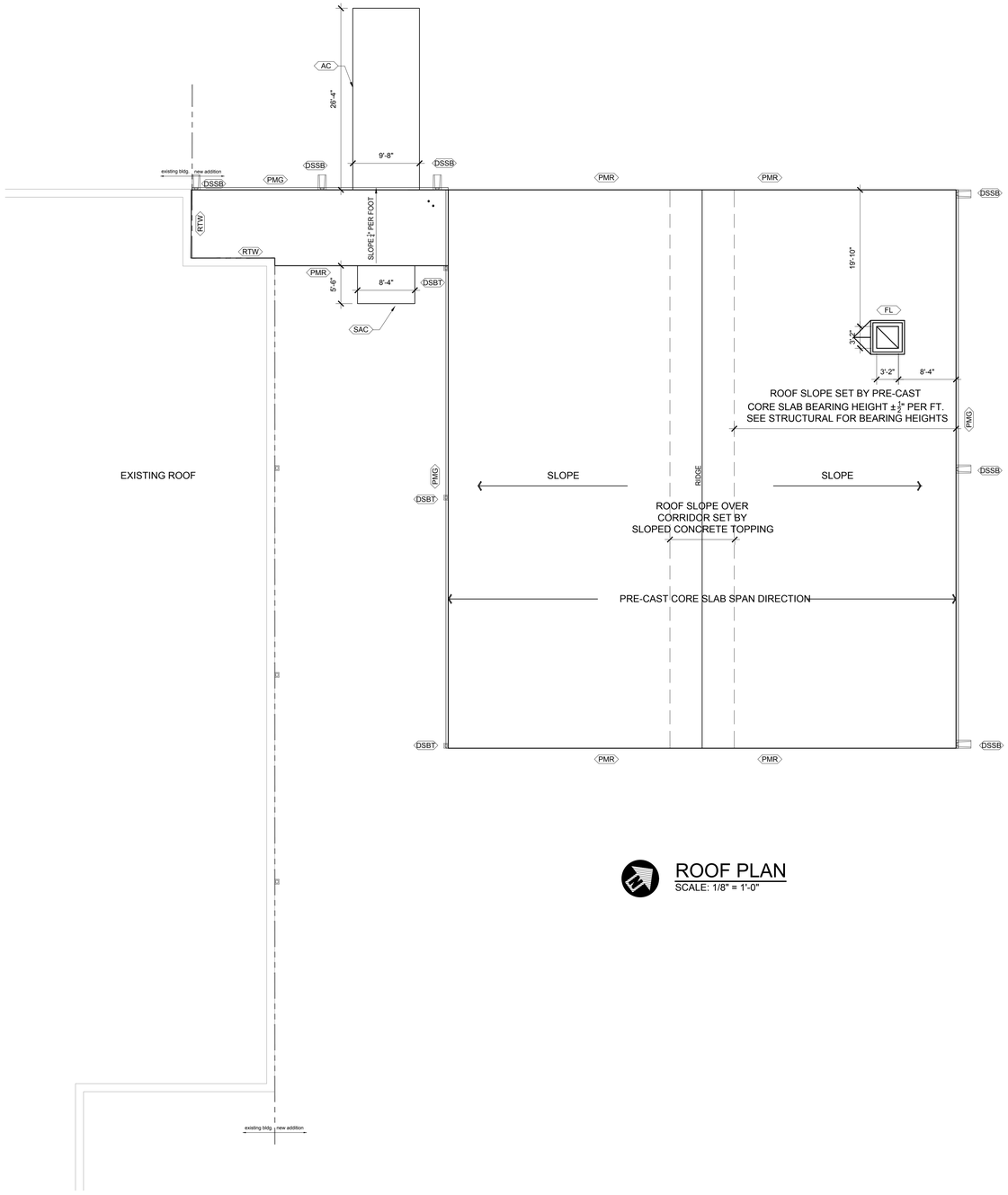
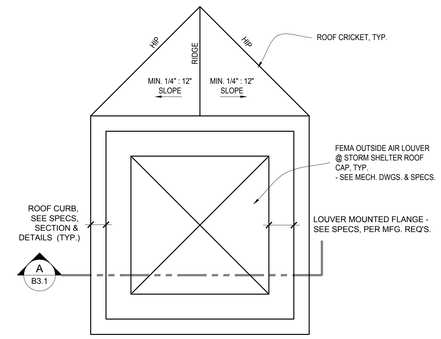
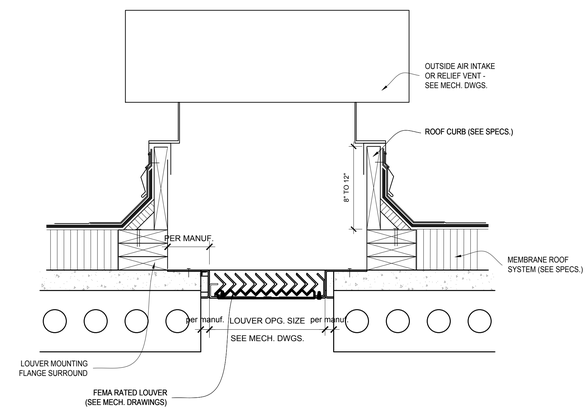
- Tuesday, June 07, 2022 9:38:27 AM



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



TYPICAL ROOF CURB DETAIL
SCALE: 3/4" - 1'-0"



TYPICAL FEMA LOUVER SECTION @ ROOF AND ROOF CURB FLASHING DETAIL CAP
A B3.1
SCALE: 1" - 1'-0"

ROOF PLAN LEGEND

SYMBOL	DESCRIPTION
MRP	METAL ROOF PANELS (SEE SPECS)
X A3.X	DETAIL SYMBOL
RTW	ROOF TO WALL FLASHING (SEE DETAIL)
PMG	PREFINISHED METAL GUTTER
SAC	SUSPENDED ALUMINUM CANOPY
DSSB	PREFINISHED METAL DOWNSPOUT TO SPLASH BLOCK
DSBT	PREFINISHED METAL DOWNSPOUT TO BOOT
PMR	PREFINISHED METAL RAKE
AC	ALUMINUM CANOPY (SEE SHEET B8.2)
FL	FEMA LOUVER (SEE MECHANICAL DRAWINGS)

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

STATE OF ALABAMA
WALTER T. MCKEE, JR.
No. 1082
MONTGOMERY, ALA.
REGISTERED ARCHITECT

SHEET TITLE : COOSA VALLEY ELEM. ROOF PLAN

MCKEE JOB # : 21.184

PSCA # : XXX

DRAWN BY : KDD

DATE: 06.01.2022

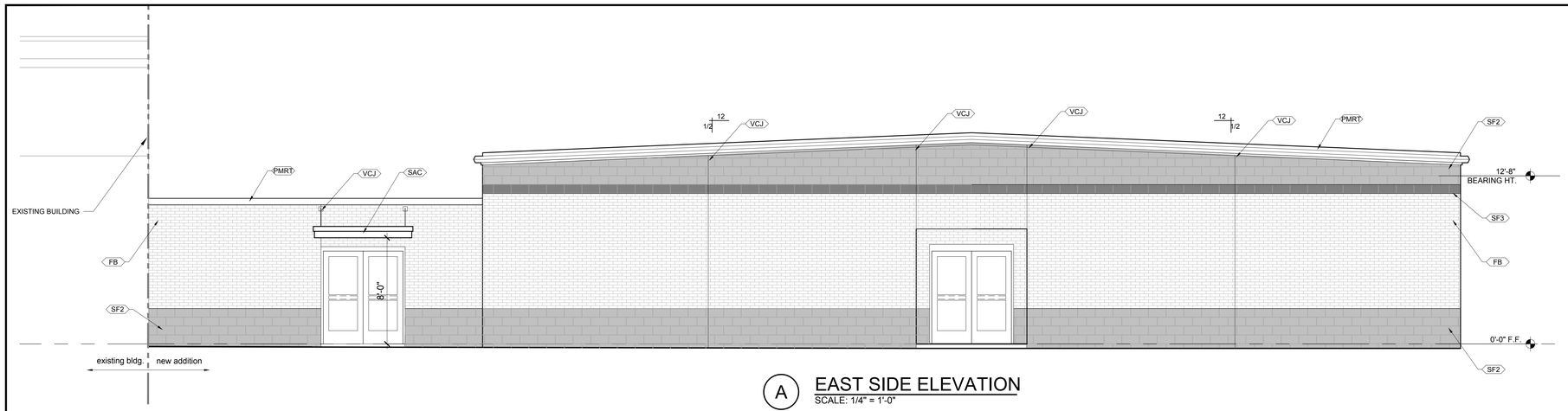
REVISED DATE:

REVISED DATE:

REVISED DATE:

SHEET NO. : B3.1

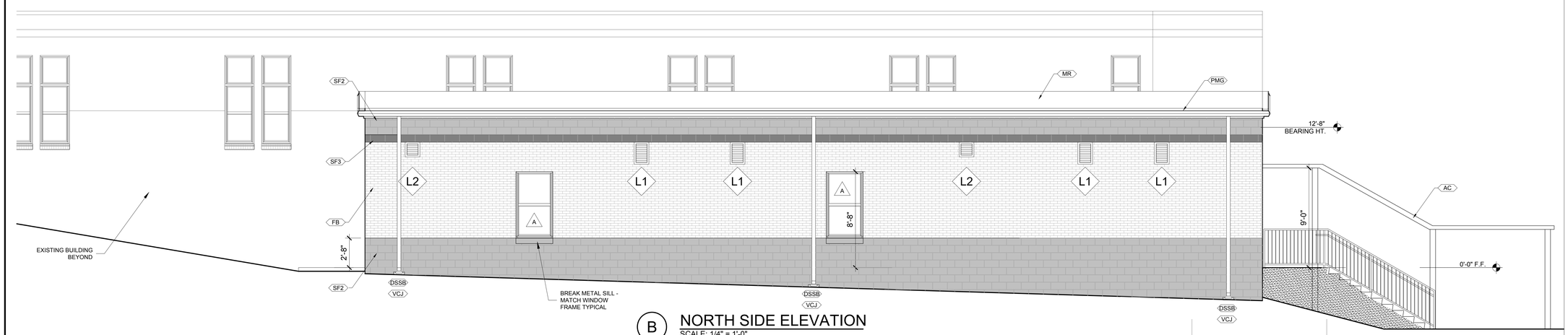
- /Users/kristiedieguez/ARCHITECT/McKEE ASSOCIATES/Coosa Valley Classroom Addition 21-184/B3.1 Roof Plan - COOSA.dwg
- Tuesday, June 07, 2022 9:38:28 AM



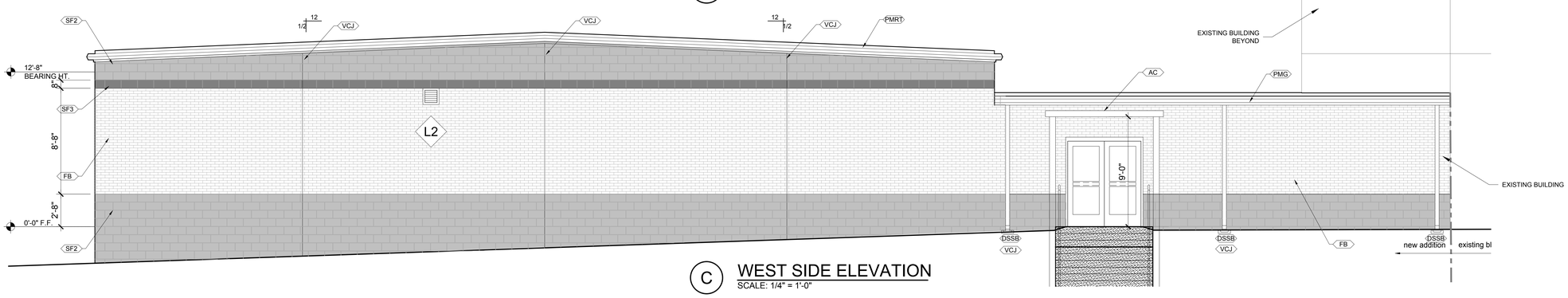
A EAST SIDE ELEVATION
SCALE: 1/4" = 1'-0"

EXTERIOR ELEVATION LEGEND

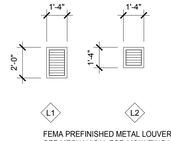
SYMBOL	DESCRIPTION
A	SCHEDULED WINDOW (FEMA RATED) - SEE SPECS
L1	SCHEDULED LOUVER
DSSB	METAL DOWNSPOUT - INTO CONC. SPLASH BLOCK
DSBT	METAL DOWNSPOUT - INTO BOOT
FB	FACE BRICK VENEER - SEE SPECS
SF-1	SPLIT FACE CMU - MAIN FIELD COLOR - SEE SPECS
SF-2	SPLIT FACE CMU - ACCENT BASE COLOR - SEE SPECS
SF-3	SPLIT FACE CMU - ACCENT BASE COLOR - SEE SPECS
PMG	PRE-FINISHED METAL GUTTER
MHR	METAL HANDRAIL
PMRT	PRE-FINISHED METAL RAKE TRIM
PMR	PRE-FINISHED METAL RAKE
VCJ	VENEER CONTROL JOINT - SEE SPECS
SAC	SUSPENDED ALUMINUM CANOPY
MR	MEMBRANE ROOFING OVER RIGID INSULATION
AC	ALUMINUM CANOPY (SEE SHEET B8.2)



B NORTH SIDE ELEVATION
SCALE: 1/4" = 1'-0"

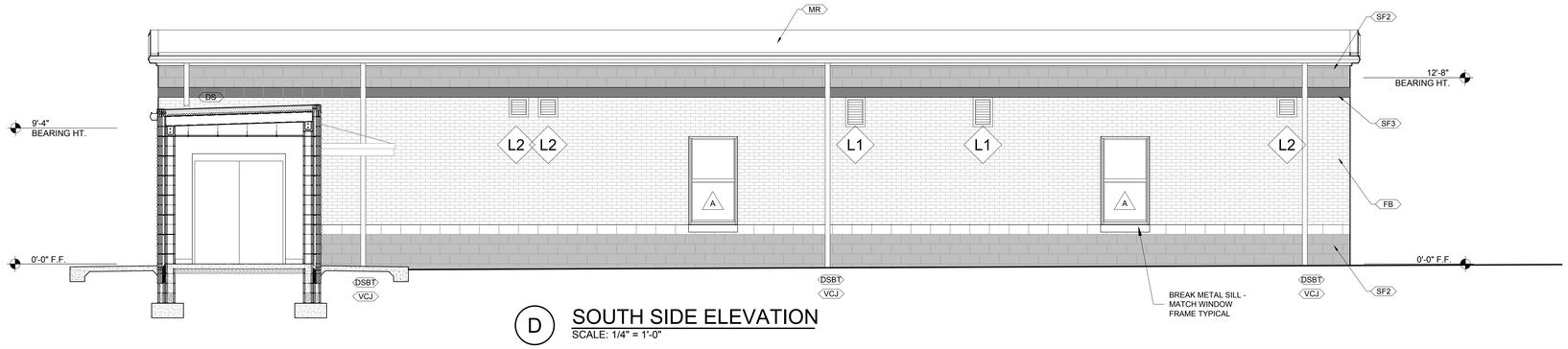


C WEST SIDE ELEVATION
SCALE: 1/4" = 1'-0"



FEMA PREFINISHED METAL LOUVER SEE SPECS.
SEE MECHANICAL FOR MOUNTING HEIGHT

LOUVER SCHEDULE
SCALE: 1/4" - 1'-0"



D SOUTH SIDE ELEVATION
SCALE: 1/4" = 1'-0"

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

STATE OF ALABAMA
WALTER T. McKEE, JR.
No. 1082
MONTGOMERY, ALA.
ARCHITECT
REGISTERED

SHEET TITLE : COOSA VALLEY ELEM. EXTERIOR ELEVATIONS

MCKEE JOB # : 21.184

PSCA # : XXX

DRAWN BY : KDD

DATE: 06.01.2022

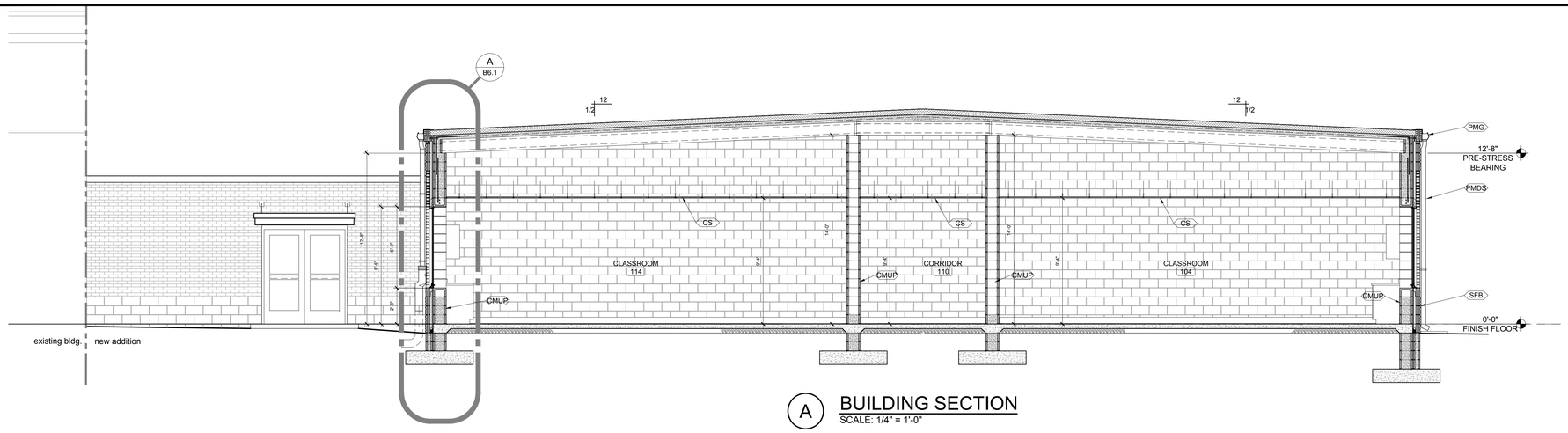
REVISED DATE:

REVISED DATE:

REVISED DATE:

SHEET NO. : B4.1

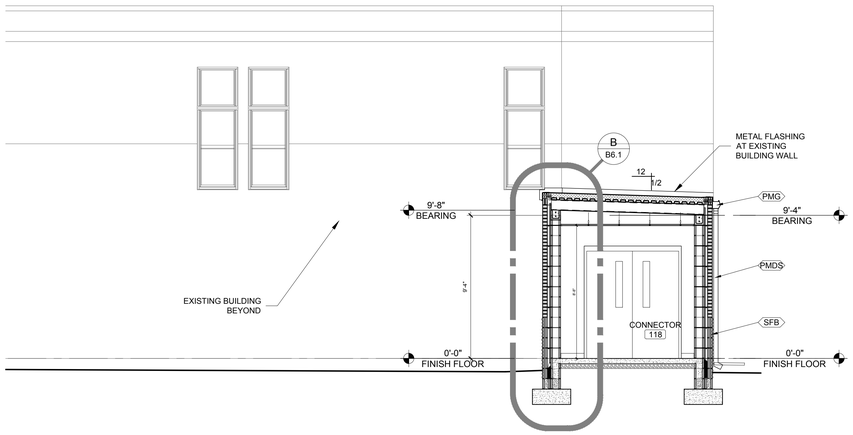
- /Users/kristiedeguez/ARCHITECT/McKEE ASSOCIATES/Coosa Valley Classroom Addition 21-184/B4.1 Exterior Elevations COOSA.dwg
- Tuesday, June 07, 2022 9:38:39 AM



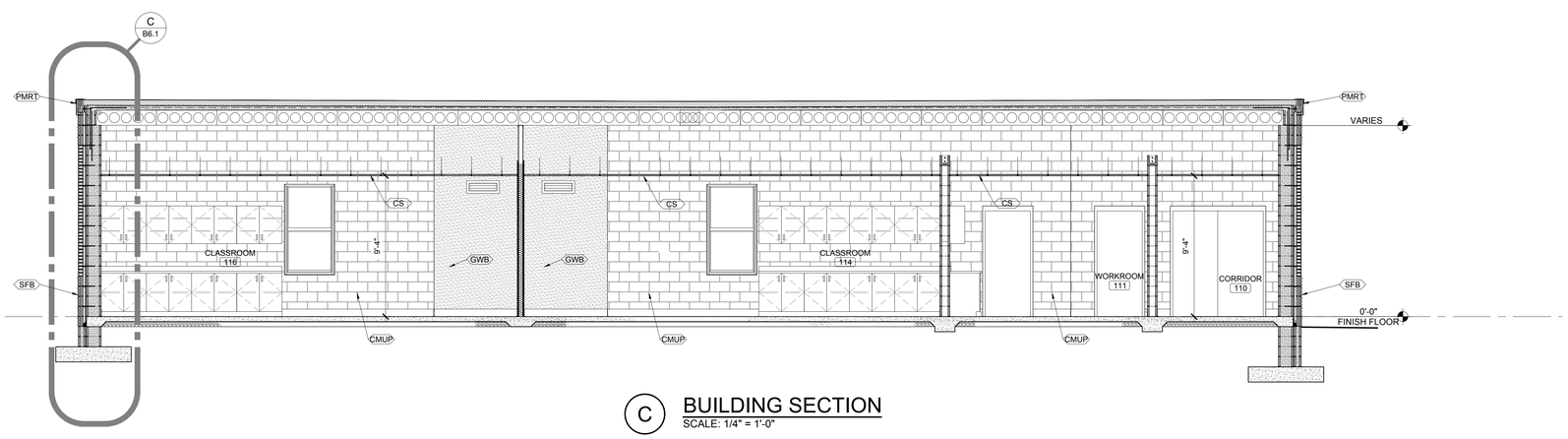
A BUILDING SECTION
SCALE: 1/4" = 1'-0"

BUILDING SECTION LEGEND

SYMBOL	DESCRIPTION
CMUP	CONCRETE MASONRY UNIT - PAINT
CS	CEILING AS SPECIFIED
SFB	SPLIT FACE CONCRETE MASONRY UNIT VENEER
PMG	PREFINISHED METAL GUTTER - SEE SPECS
PMDS	PREFINISHED METAL DOWNSPOUT - SEE SPECS
GWB	GYPSUM WALL BOARD - SEE SPECS
PMRT	PREFINISHED METAL RAKE TRIM - SEE SPECS



B BUILDING SECTION
SCALE: 1/4" = 1'-0"



C BUILDING SECTION
SCALE: 1/4" = 1'-0"

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

STATE OF ALABAMA
WALTER T. McKEE, JR.
No. 1082
MONTGOMERY, ALA.
REGISTERED ARCHITECT

SHEET TITLE :	COOSA VALLEY ELEM. BUILDING SECTIONS
MCKEE JOB # :	21.184
PSCA # :	XXX
DRAWN BY :	KDD
DATE:	06.01.2022
REVISED DATE:	
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SHEET NO. : B5.1

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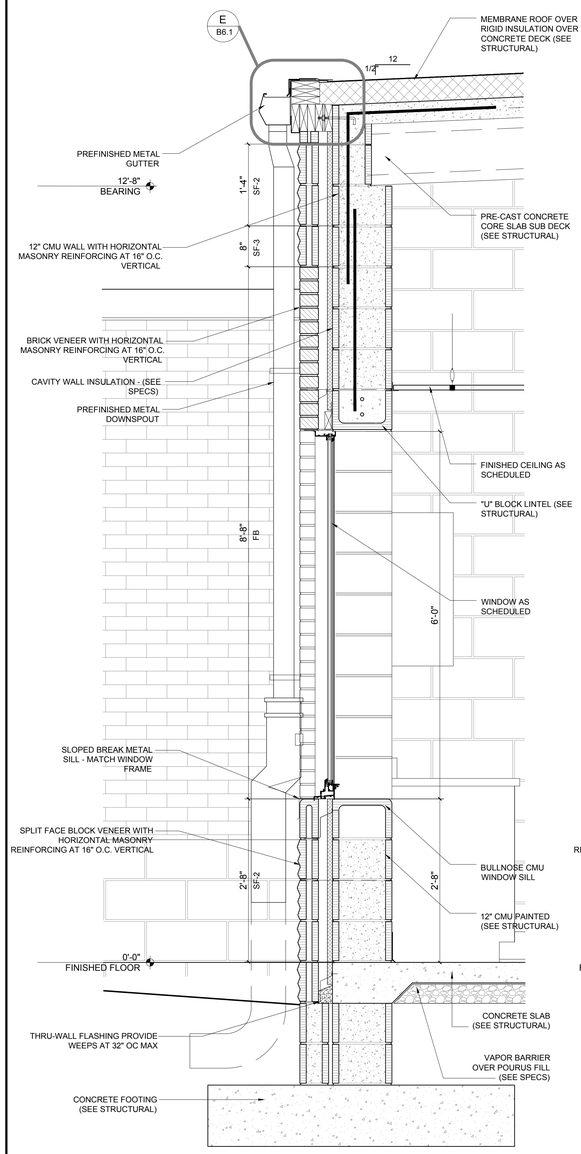
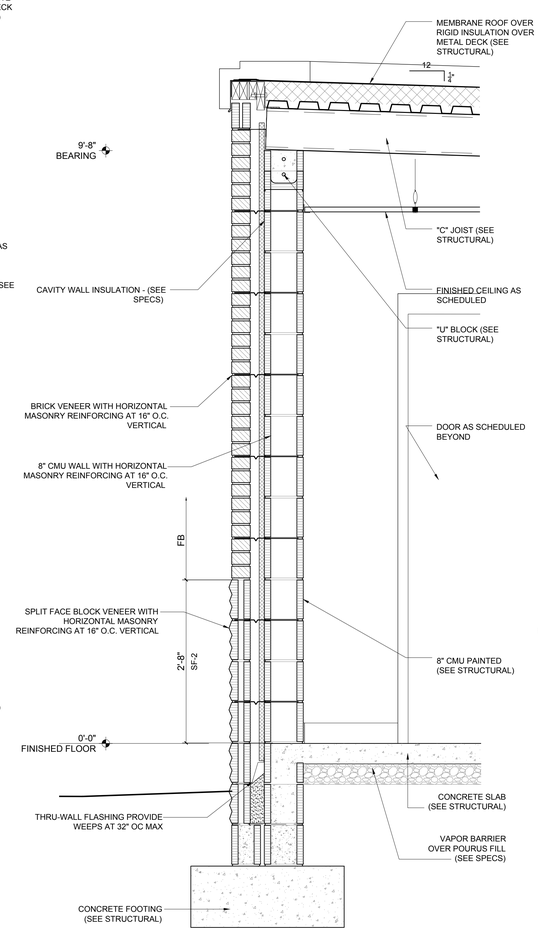
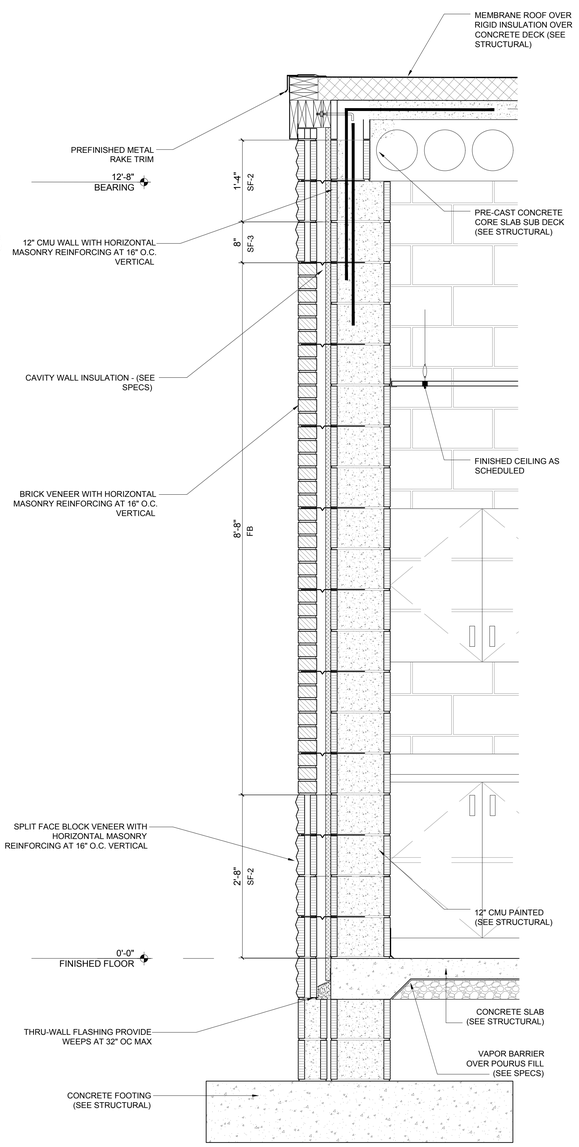
- Tuesday, June 07, 2022 9:38:44 AM



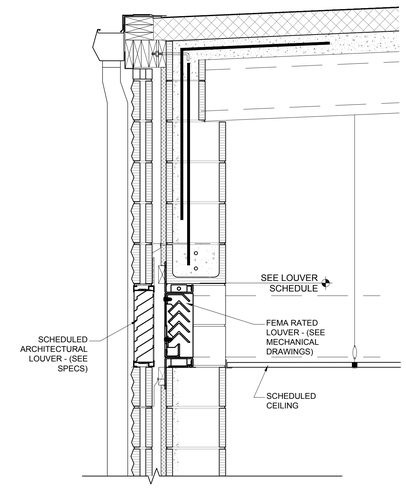
A Wall Section
Scale: 1" = 1'-0"



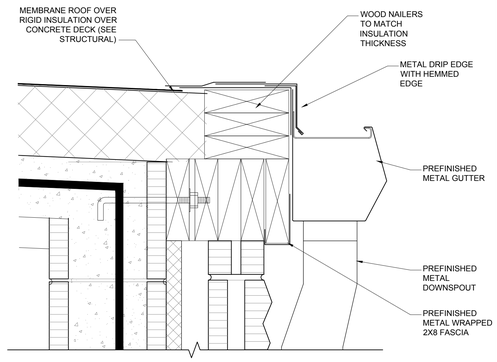
B Wall Section
Scale: 1" = 1'-0"



C Wall Section
Scale: 1" = 1'-0"



D Louver Detail Typical
Scale: 1" = 1'-0"



E Large Scale Detail
Scale: 3" = 1'-0"

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

STATE OF ALABAMA
WALTER T. MCKEE, JR.
No. 1082
MONTGOMERY, ALA.
REGISTERED ARCHITECT

SHEET TITLE :	COOSA VALLEY ELEM. WALL SECTIONS
MCKEE JOB # :	21.184
PSCA # :	XXX
DRAWN BY :	KDD
DATE:	06.01.2022
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	

SHEET NO. : B6.1

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- Tuesday, June 07, 2022 9:38:53 AM

DOOR SCHEDULE

DOOR #	WIDTH	HEIGHT	THICKNESS	MATERIALS	DOOR TYPE	DOOR FINISH	FRAME TYPE	FRAME FINISH	LABEL	DETAILS HEAD	DETAILS JAMB	SIGNAGE	REMARKS
101A	PR3'-0"	7'-0"	1 3/4"	ALUMINUM STOREFRONT	A	FACTORY	SF1	FACTORY	-	5/B7.1	6/B7.1	-	PANIC BAR
101B	PR3'-0"	7'-0"	1 3/4"	FEMA RATED STORM SHUTTER DOORS/FRAME	C	PAINT	HM1	PAINT	90 MIN.	3/B7.1	4/B7.1	-	PANIC BAR W/ HOLD OPEN
102	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	B	STAIN	HM1	PAINT	20 MIN.	3/B7.1	4/B7.1	CLASSROOM	---
103A	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	C	STAIN	HM1	PAINT	-	7/B7.1	8/B7.1	MECHANICAL	
103B	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	C	STAIN	HM1	PAINT	-	7/B7.1	8/B7.1	MECHANICAL	
104	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	B	STAIN	HM1	PAINT	20 MIN.	3/B7.1	4/B7.1	CLASSROOM	---
105	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	C	STAIN	HM1	PAINT	20 MIN.	3/B7.1	4/B7.1	GIRLS	---
106	3'-0"	4'-0"	1 3/4"	FLUSH WOOD SOLID CORE	C	STAIN	HM1	PAINT	20 MIN.	3/B7.1	4/B7.1	MECHANICAL	
107	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	C	STAIN	HM1	PAINT	20 MIN.	3/B7.1	4/B7.1	DATA	---
108	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	C	STAIN	HM1	PAINT	-	7/B7.1	8/B7.1	JANITOR	---
109	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	C	STAIN	HM1	PAINT	20 MIN.	3/B7.1	4/B7.1	BOYS	---
110	NOT USED												
111	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	C	STAIN	HM1	PAINT	20 MIN.	3/B7.1	4/B7.1	WORKROOM	---
112	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	C	STAIN	HM1	PAINT	-	3/B7.1	4/B7.1	TOILET	
113	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	C	STAIN	HM1	PAINT	45 MIN.	3/B7.1	4/B7.1	ELECTRICAL	PANIC BAR
114	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	B	STAIN	HM1	PAINT	20 MIN.	3/B7.1	4/B7.1	CLASSROOM	---
115A	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	C	STAIN	HM1	PAINT	-	7/B7.1	8/B7.1	MECHANICAL	
115B	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	C	STAIN	HM1	PAINT	-	7/B7.1	8/B7.1	MECHANICAL	
116	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	B	STAIN	HM1	PAINT	20 MIN.	3/B7.1	4/B7.1	CLASSROOM	
117A	PR3'-0"	7'-0"	1 3/4"	ALUMINUM STOREFRONT	A	FACTORY	SF1	FACTORY	-	5/B7.1	6/B7.1	-	PANIC BAR
117B	PR3'-0"	7'-0"	1 3/4"	FEMA RATED STORM SHUTTER DOORS/FRAME	C	PAINT	HM1	PAINT	90 MIN.	3/B7.1	4/B7.1	-	PANIC BAR W/ HOLD OPEN
117C	PR3'-0"	7'-0"	1 3/4"	ALUMINUM STOREFRONT	A	FACTORY	SF1	FACTORY	-	5/B7.1	6/B7.1	-	PANIC BAR
118	PR3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	C	STAIN	HM1	PAINT	90 MIN.	3/B7.1	4/B7.1	STAIR	PANIC BAR W/ HOLD OPEN

ROOM FINISH SCHEDULE

--- - NO WORK REQUIRED
GBP - GYPSUM BOARD - PAINT
GB - GYPSUM BOARD - NO PAINT
MGBP - MOISTURE RESISTANT GYPSUM BOARD - PAINT
MGB - MOISTURE RESISTANT GYPSUM BOARD - NO PAINT
IGBP - IMPACT RESISTANT GYPSUM BOARD - PAINT
IGB - IMPACT RESISTANT GYPSUM BOARD - NO PAINT

CMUP - CONCRETE MASONRY UNIT - PAINT
CMU - CONCRETE MASONRY UNIT - NO PAINT
CMUE - CONCRETE MASONRY UNIT - EPOXY PAINT COATING
IMWP - INTERIOR METAL WALL PANELS
PLP - PLASTIC LAMINATE WALL PANELS
CT - CERAMIC TILE
PT - PORCELAIN TILE

TR - TERRAZZO
SC - SEALED CONCRETE
RFT - RUBBER FLOOR TILES
RSF - ROLL RUBBER SPORTS FLOORING
VCT - VINYL COMPOSITION TILE
WGF - WOOD GYMNASIUM FLOORING
C - CARPET

PF - POLYMER FLOORING
RB - RUBBER BASE
W - WOOD BASE
VCB - VENTILATED COVE BASE

ROOM #	ROOM NAME	FLOOR	BASE	WALLS NORTH	WALLS SOUTH	WALLS EAST	WALLS WEST	CEILING TYPE	CEILING HEIGHT	WAINS.	HEIGHT	REMARKS
101	ENTRY	LVT	RB	CMUP	CMUP	CMUP	CMUP	-		---	---	-
102	CLASSROOM 4	LVT	RB	CMUP	CMUP	CMUP	CMUP			---	---	
103	MECHANICAL	SC	-	CMUP	CMUP	CMUP	CMUP			---	---	
104	CLASSROOM 2	LVT	RB	CMUP	CMUP	CMUP	CMUP			---	---	
105	GIRLS	PT	PT	CMUP	CMUP	CMUP	CMUP			---	---	
106	MECHANICAL	SC	-	CMUP	CMUP	CMUP	CMUP			---	---	
107	DATA	LVT	RB	CMUP	CMUP	CMUP	CMUP			---	---	
108	JANITOR	SC	-	CMUP	CMUP	CMUP	CMUP			---	---	
109	BOYS	PT	PT	CMUP	CMUP	CMUP	CMUP			---	---	
110	CORRIDOR	LVT	RB	CMUP	CMUP	CMUP	CMUP			---	---	
111	WORKROOM	LVT	RB	CMUP	CMUP	CMUP	CMUP			---	---	
112	TOILET	PT	PT	CMUP	CMUP	CMUP	CMUP			---	---	
113	ELECTRICAL	SC	-	CMUP	CMUP	CMUP	CMUP			---	---	
114	CLASSROOM 1	LVT	RB	CMUP	CMUP	CMUP	CMUP			---	---	
115	MECHANICAL	SC	-	CMUP	CMUP	CMUP	CMUP			---	---	
116	CLASSROOM 3	LVT	RB	CMUP	CMUP	CMUP	CMUP			---	---	
117	CORRIDOR	LVT	RB	CMUP	CMUP	CMUP	CMUP			---	---	
118	CONNECTOR	LVT	RB	CMUP	CMUP	CMUP	CMUP			---	---	

SIGN MOUNTING HEIGHT

703.4.1 HEIGHT ABOVE FINISH FLOOR OF GROUND
TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48 INCHES (1220 mm) MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST TACTILE CHARACTER AND 60 INCHES (1525 mm) MAXIMUM ABOVE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST TACTILE CHARACTER.
EXCEPTION: BRAILLE PROVIDED ON ELEVATOR CAR CONTROLS SHALL BE SEPARATED ⅜ INCHES (4.8 mm) MINIMUM AND SHALL BE LOCATED EITHER DIRECTLY BELOW OR ADJACENT TO THE CORRESPONDING RAISED CHARACTERS OR SYMBOLS.

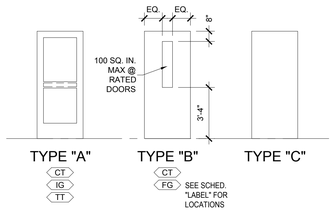
703.4.2 LOCATION
WHERE A TACTILE SIGN IS PROVIDED AT A DOOR, THE SIGN SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR. WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT THE CLEAR FLOOR SPACE OF 18 INCHES (455 mm) MINIMUM, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSEST POSITION AND 45 DEGREE OPEN POSITION.
EXCEPTION: SIGNS WITH TACTILE CHARACTERS SHALL BE PERMITTED ON THE PUSH SIDE OF DOORS WITH CLOSERS AND WITHOUT HOLD-OPEN DEVICES.

SIGNAGE NOTES:

FURNISH INDIVIDUAL PLASTIC LAMINATE SIGNAGE SYSTEM WITH ROOM OR OCCUPANT'S NAME AND ROOM NUMBER. FINAL WORDING TO BE FURNISHED WHEN SHOP DRAWINGS FOR SIGNAGE SYSTEM ARE SUBMITTED. FURNISH INDIVIDUAL PLASTIC LAMINATE RESTROOM SIGNS FOR DOOR(S) AND HANDICAPED ACCESS SIGN TO BE PLACED ON WALL BESIDE RESTROOM DOOR(S) -SEE DIAGRAM.

LABELED DOOR AND FRAME NOTE:

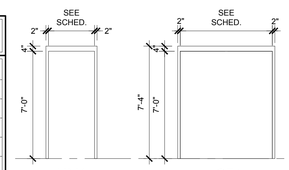
HOURLY RATING DESIGNATIONS AND / OR ALPHABETICAL LETTER DESIGNATIONS ARE GIVEN WHERE PROTECTED OPENINGS ARE REQUIRED IN RATED PARTITIONS. THESE OPENING PROTECTIVE ASSEMBLIES SHALL INCLUDE THE FRAME, DOOR, HARDWARE, CLOSING DEVICE, SILL AND ANCHORAGE. CONTRACTOR SHALL SEE THAT NO COMPONENT IS OMITTED OR SUBSTANDARD QUALITY USED SUCH THAT THE EFFECTIVENESS OF THE ENTIRE OPENING AS A FIRE OR SMOKE BARRIER MIGHT BE JEOPARDIZED. DOORS AND FRAMES SHALL BE FURNISHED WITH UNDERWRITER'S LABORATORIES OR WARNOCKHERSEY LABELS WITH APPROPRIATE FIRE RESISTANCE RATINGS FOR THE CLASS OF OPENING SCHEDULED. SUBJECT TO DOOR MANUFACTURER'S PROCEDURAL LIMITATIONS, LABELS SHOULD BEAR THE FOLLOWING NOTATION: "FIRE DOOR, TO BE EQUIPPED WITH FIRE EXIT HARDWARE"



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

GLAZING SCHEDULE

SYMBOL	DESCRIPTION
CT	CLEAR TEMPERED
IG	INSULATING GLASS
TT	TINTED TEMPERED
FG	FIRE GLASS



HM1 SF1

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

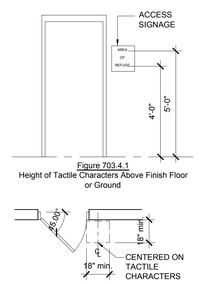
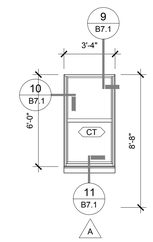


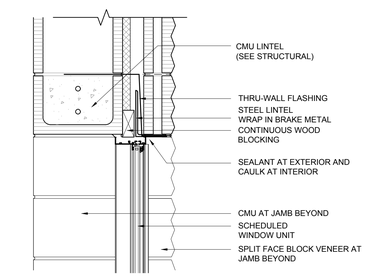
Figure 703.4.1
Height of Tactile Characters Above Finish Floor or Ground

Figure 703.4.2
Location of Tactile Signs at Doors

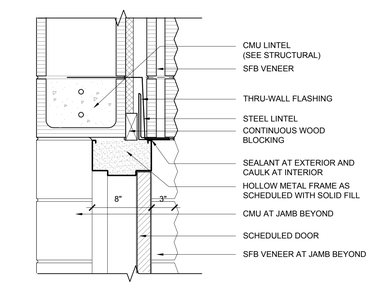


PREFINISHED ALUMINUM SINGLE-HUNG WINDOW

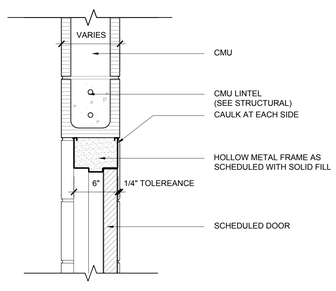
WINDOW SCHEDULE
SCALE: 1/4" - 1'-0"



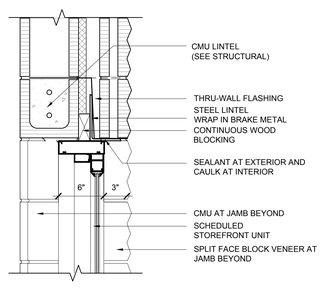
9 WINDOW DETAIL
SCALE: 1 1/2"=1'-0" HEAD



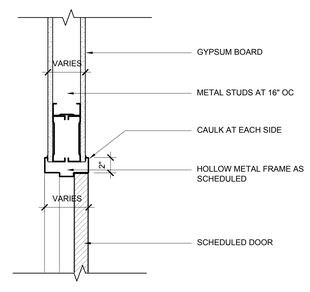
1 DOOR HEAD DETAIL
SCALE: 1 1/2"=1'-0" HEAD



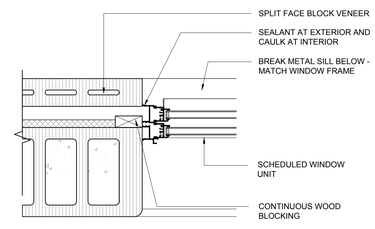
3 DOOR HEAD DETAIL
SCALE: 1 1/2"=1'-0" HEAD



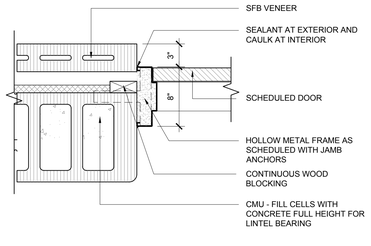
5 DOOR HEAD DETAIL
SCALE: 1 1/2"=1'-0" HEAD



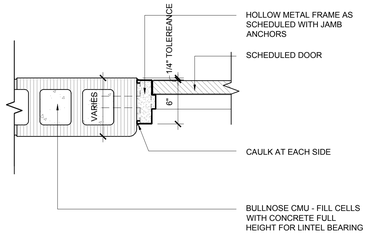
7 DOOR DETAIL
SCALE: 1 1/2"=1'-0" HEAD



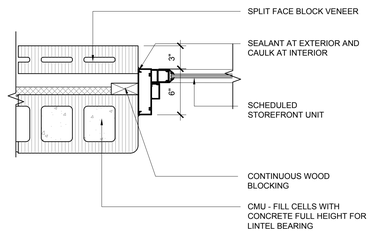
10 WINDOW DETAIL
SCALE: 1 1/2"=1'-0" JAMB



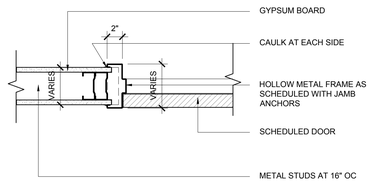
2 DOOR JAMB DETAIL
SCALE: 1 1/2"=1'-0" JAMB



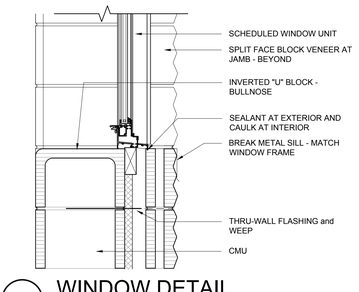
4 DOOR JAMB DETAIL
SCALE: 1 1/2"=1'-0" JAMB



6 DOOR JAMB DETAIL
SCALE: 1 1/2"=1'-0" JAMB



8 DOOR DETAIL
SCALE: 1 1/2"=1'-0" JAMB



11 WINDOW DETAIL
SCALE: 1 1/2"=1'-0" SILL

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

STATE OF ALABAMA REGISTERED ARCHITECT WALTER T. McKEE, JR. No. 1082 MONTGOMERY, ALA.

SHEET TITLE :	COOSA VALLEY ELEM. ROOM FINISH & DOOR SCHEDULE & DETAILS
MCKEE JOB # :	21.184
PSCA # :	XXX
DRAWN BY :	KDD
DATE:	06.01.2022
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	

SHEET NO. : B7.1

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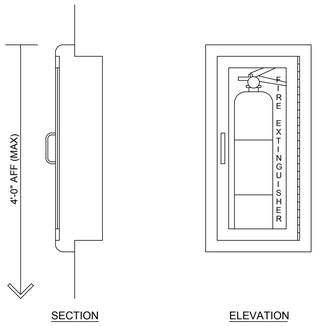

FIRE EXTINGUISHER CABINET (FEC)
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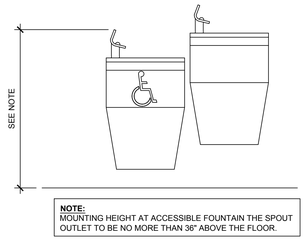

ELECTRIC WATER COOLER (EWC)
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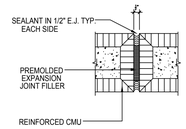

CMU CONTROL JOINT DETAIL (CCJ)
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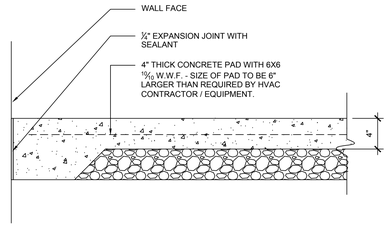
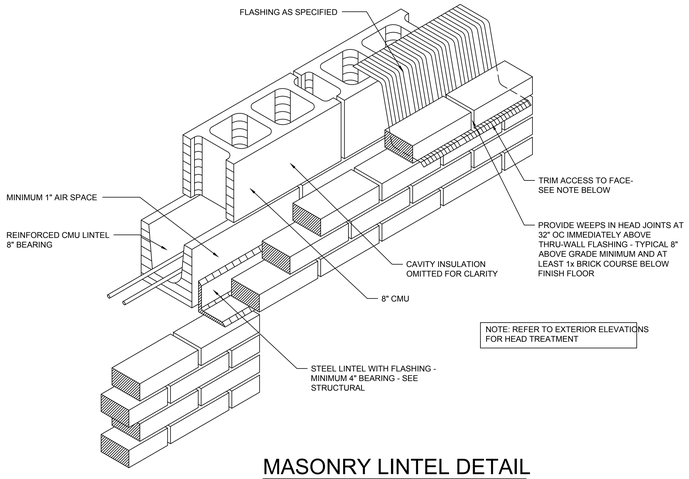
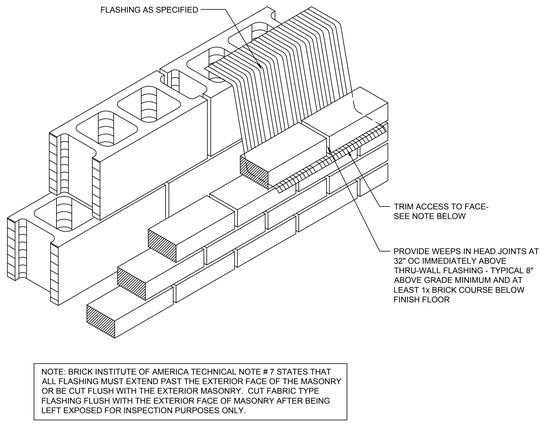


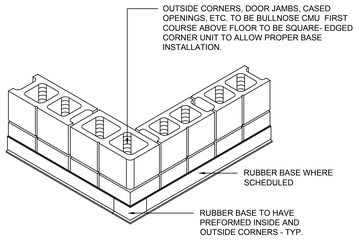
HVAC EQUIPMENT PAD (CEP)
SCALE: 1 1/2" - 1'-0"



MASONRY LINTEL DETAIL
SCALE: 1 1/2" - 1'-0"



THRU-WALL FLASHING DETAIL
SCALE: 1 1/2" - 1'-0"



RUBBER BASE DETAIL
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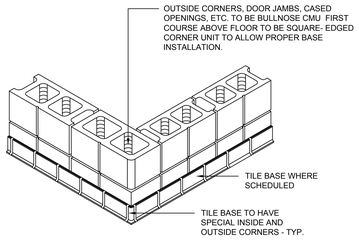

HARD TILE DETAIL
SCALE: 3/4" - 1'-0"

ADDITIONS
TO
GOOD HOPE MIDDLE SCHOOL
FOR THE
CULLMAN COUNTY SCHOOL BOARD
CULLMAN, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

STATE OF ALABAMA
WALTER T. McKEE, JR.
No. 1082
MONTGOMERY, ALA.
REGISTERED ARCHITECT

SHEET TITLE :	COOSA VALLEY ELEM. MISCELLANEOUS DETAILS
MCKEE JOB # :	21.114
PSCA # :	XXX
DRAWN BY :	KDD
DATE:	9.28.2021
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	

SHEET NO. : B8.1

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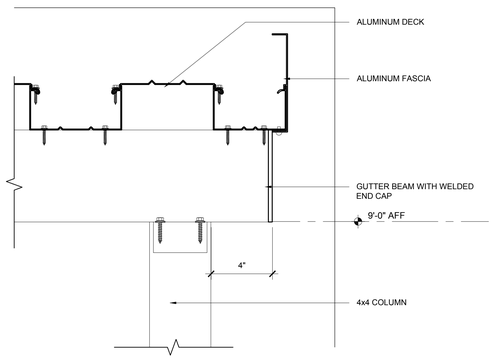
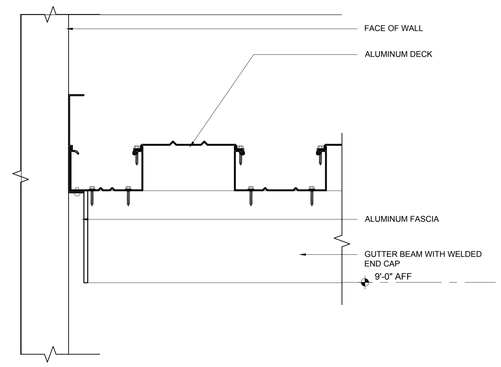
- Tuesday, June 07, 2022 9:38:57 AM



COVERED WALKWAY DETAIL
SCALE: 3" - 1'-0"



COVERED WALKWAY DETAIL
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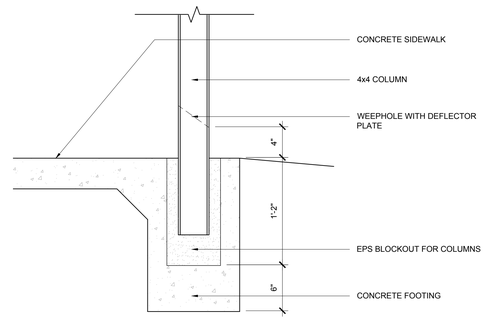


COVERED WALKWAY DETAIL
SCALE: 1-1/2" - 1'-0"

CODE NOTES:

1) HANDRAILS SHALL HAVE A CIRCULAR CROSS SECTION WITH AN OUTSIDE DIAMETER OF AT LEAST 1-1/4 IN. AND NOT MORE THAN 2 IN. (IBC SEC 1012.3)

2) INTERMEDIATE BALLISTERS, ORNAMENTAL PATTERNS OR PICKETS SHALL BE SPACED SUCH THAT A 4 IN. DIAMETER SPHERE SHALL NOT PASS THROUGH ANY OPENING. (IBC SEC 1013.3)

3) WALL HANDRAILS SHALL BE RETURNED TO THE WALL. THEY SHALL EXTEND HORIZONTALLY, AT THE REQUIRED HEIGHT, AT LEAST 12 IN. BEYOND THE TOP RISER AND CONTINUE TO SLOPE FOR A DEPTH OF ONE TREAD BEYOND THE FIRST RISER. (IBC SEC 1012.5)

GENERAL NOTES:

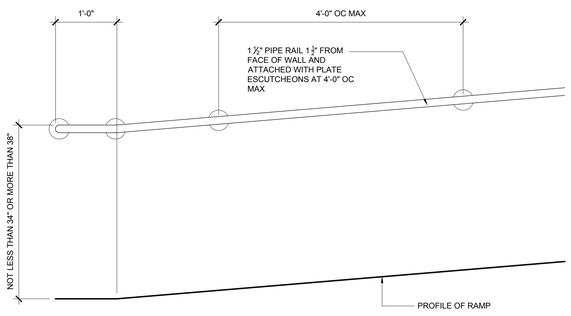
1) ALL HANDRAILS AND GUARDRAILS ARE TO BE CONSTRUCTED TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT AND THE INTERNATIONAL BUILDING CODE.

2) ALL WELDS ON METAL STAIRS AND RAILINGS ARE TO BE GROUND SMOOTH.

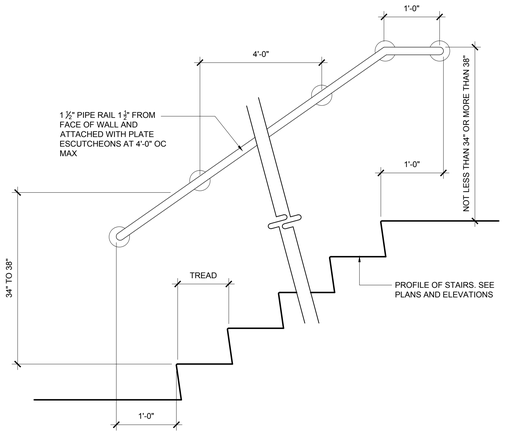
3) PRIME AND PAINT ALL EXPOSED STEEL OF METAL STAIRS AND RAILS.

4) FIELD VERIFY ALL CONDITIONS PRIOR TO FABRICATION.
AT ALL TRANSITIONS WITH THE FLOOR, PROVIDE ESCUTCHEONS OF THE SAME MATERIAL FOR CRAFTED APPEARANCE.

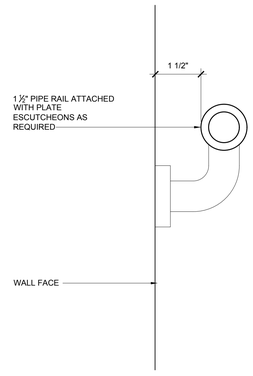
5) ALL RAILING COMPOSITIONS ARE TO BE EQUALLY SPACED ALONG A CONTINUOUS RUN. THE COMPOSITIONS ARE TO BE CENTERED WITHIN EACH PANEL-TYP.
SEE PLANS FOR ADDITIONAL INFO.



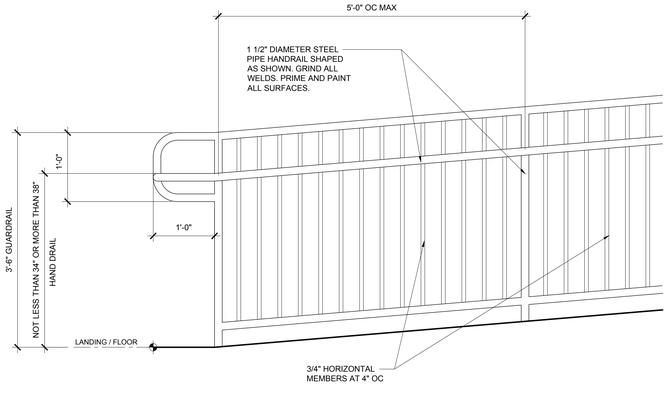
WALL MOUNTED HANDRAIL AT RAMP (WHR)
SCALE: 1" - 1'-0"



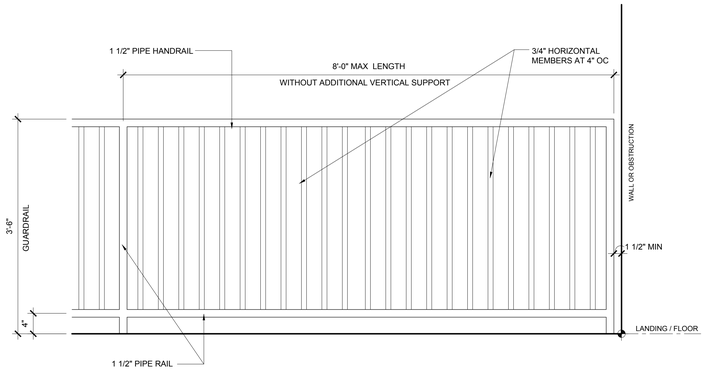
WALL MOUNTED HANDRAIL AT STAIR (WMH)
SCALE: 1" - 1'-0"



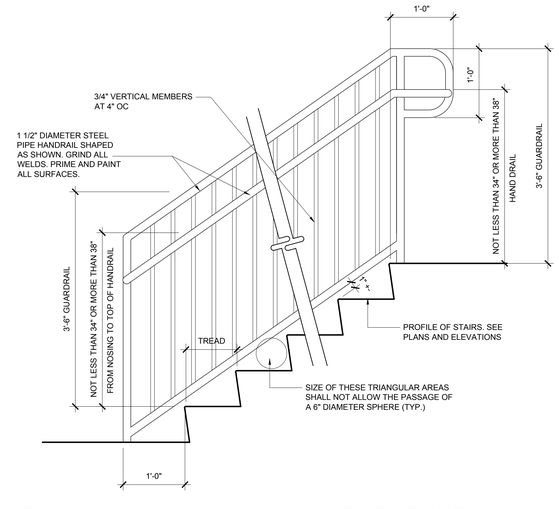
WALL MOUNTED HANDRAIL SECTION AT WALL
SCALE: 6" - 1'-0"



METAL GUARDRAIL / HANDRAIL AT RAMP (GR/HR)
SCALE: 1" - 1'-0"



METAL GUARDRAIL (GR)
SCALE: 1" - 1'-0"



METAL GUARDRAIL / HANDRAIL AT STAIR (GR/HR)
SCALE: 1" - 1'-0"

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

STATE OF ALABAMA
WALTER T. McKEE, JR.
No. 1082
MONTGOMERY, ALA.
REGISTERED ARCHITECT

SHEET TITLE :	COOSA VALLEY ELEMENTARY MISCELLANEOUS DETAILS
MCKEE JOB # :	21.184
PSCA # :	XXX
DRAWN BY :	KDD
DATE:	06.01.2022
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	

SHEET NO. : B8.2

- /Users/kristiedieguez/ARCHITECT/McKEE ASSOCIATES/Coosa Valley Classroom Addition 21-184/B8.2 Miscellaneous Details COOSA.dwg
- Tuesday, June 07, 2022 9:38:59 AM

PLUMBING FIXTURE SCHEDULE

NO.	FIXTURE	WASTE	C.W.	H.W.	REMARKS
P1	WATER CLOSET	3"	1"	---	FL. MTD. - REG.
P2	ADA WATER CLOSET	3"	1"	---	FL. MTD. - ADA
P3	URINAL	2"	3/4"	---	WALL HUNG - SEE ARCH. PLANS FOR MOUNTING HEIGHT
P4	ADA LAVATORY **	1 1/4"	1/2"	1/2"	WALL HUNG - SEE ARCH. PLANS FOR MOUNTING HEIGHT
P5	MOP BASIN	3"	1/2"	1/2"	FL. MTD. CORNER TYPE
P6	SPLIT LEVEL EWC	1 1/2"	1/2"	---	WALL HUNG - HIGH/LOW
P7	1-COMP SINK	1 1/2"	1/2"	1/2"	1-COMP COUNTED MOUNTED
P8	ADA LAVATORY **	1 1/4"	1/2"	1/2"	COUNTER MOUNTED
T.P.	TRAP PRIMER	---	1/2"	---	CONNECT TO FLOOR DRAIN AS SPECIFIED

** PROVIDE A WATER TEMPERATURE LIMITING DEVICE EQUAL TO SYMMONS #5-210-CK (ASSE STD. 1070) WITH 1/2" TEMPERED WATER LINE TO FAUCET.

GENERAL PLUMBING NOTES

1. ROUGH IN WATER CLOSET AND URINAL FLUSH VALVE SO THAT THE FLUSH TUBE IS VERTICALLY STRAIGHT.
2. ADA FIXTURES AND INSTALLATION SHALL COMPLY WITH CURRENT ADA STANDARDS FOR ACCESSIBLE DESIGN.
3. FLUSH VALVE HANDLE FOR ALL MANUAL FLUSH WATER CLOSETS SHALL BE LOCATED ON THE WIDE SIDE OF THE TOILET STALL AS REQUIRED BY CURRENT ADA STANDARDS FOR ACCESSIBLE DESIGN.
4. 11. ROUGH-IN ADA WATER CLOSETS 18" FROM FINISHED WALL TO CENTERLINE OF THE WATER CLOSET. MEASURE FROM FACE OF SHORT SIDE OF THE STALL TO THE FINISHED WALL.
5. PROVIDE A CAST IRON DEEP SEAL P-TRAP FOR EACH FLOOR DRAIN AND HUB DRAIN.
6. ROUTE ALL OVERHEAD WATER PIPING AND WATER PIPING WITHIN NON-MASONRY WALLS WITHIN THE BUILDING INSULATION ENVELOPE.
7. ALL WATER PIPING WITHIN MASONRY WALLS SHALL BE INSULATED AS SPECIFIED.
8. ALL WATER PIPING INSTALLED IN EXTERIOR WALLS SHALL BE LOCATED ON THE INTERIOR SIDE OF THE BUILDING EXTERIOR WALL INSULATION
9. COORDINATE ALL PIPING RUNS WITH THE ELECTRICAL PLANS AND THE ELECTRICAL CONTRACTOR. DO NOT ROUTE ANY PIPING OVER ELECTRICAL PANELS, TRANSFORMERS, SWITCHGEAR, ETC. MAINTAIN CLEARANCES AS REQUIRED BY RESPECTIVE CODES.
10. ALL PIPING AND FITTINGS ROUTED IN/THROUGH RETURN AIR PLENUMS, RETURN AIR PLATFORMS, OR FIRE RATED PARTITIONS AND ENCLOSURES SHALL BE CAST IRON OR PVDF. SEE SPECS.
11. PLUMBING VENTS SHALL TERMINATE A MINIMUM OF 10'-0" DISTANCE FROM ALL HVAC OUTSIDE AIR INTAKES.
12. PROVIDE A READILY ACCESSIBLE CLEANOUT AT OR NEAR THE BASE OF EACH WASTE AND VENT STACK PER INTERNATIONAL PLUMBING CODE AND THE SPECIFICATIONS. LOCATE TO THE SIDE OF THE WATER CLOSETS WITH A MINIMUM CLEARANCE OF 6" FROM THE ROUGH-IN OF THE WATER CLOSETS. PREFERRED LOCATION IS IN ADA STALL TO ALLOW FOR ADDITIONAL ACCESS SPACE.
13. WATER SUPPLY SYSTEM IS DESIGNED FOR A STATIC PRESSURE OF 50 TO 75 PSI. GAUGE WATER SUPPLY PRESSURE AND VERIFY PRESSURE IS WITHIN THE SPECIFIED LIMITS. PROVIDE WATER PRESSURE REDUCING VALVE AS REQUIRED TO MAINTAIN WATER PRESSURE WITHIN DESIGN LIMITS.
14. PROVIDE A BALL VALVE ON EACH SIDE OF EVERY DIELECTRIC UNION TO FACILITATE ITS REMOVAL.
15. TOPS OF ALL OUTSIDE CLEANOUTS SHALL BE FLAT AND BROUGHT TO GRADE AND FINISHED FLUSH IN 12x12x12 CONCRETE PAD.
16. ALL INTERIOR AND EXTERIOR WALL HYDRANTS AND HOSE BIBBS SHALL BE LOCATED 24" A.F.F.
17. WATER HAMMER ARRESTORS SHALL BE INSTALLED AT ALL SOLENOID, REMOTE OPERATED OR QUICK CLOSING VALVES AND AT EACH PLUMBING FIXTURE OR BATTERY OF PLUMBING FIXTURES. SEE SPECS FOR ADDITIONAL REQUIREMENTS.
18. ALL HUB DRAINS THAT RISE THROUGH RETURN AIR PLATFORMS SHALL BE INSULATED CAST IRON, SHALL BE TERMINATED TO 6" ABOVE THE RETURN AIR PLATFORM AND SEALED AIR TIGHT. COORDINATE REQUIREMENT WITH MECHANICAL CONTRACTOR.
19. ALL PIPING WITH VALVES AND OTHER ITEMS THAT MAY REQUIRE MAINTENANCE, SERVICE OR REPLACEMENT, SHALL BE LOCATED NO MORE THAN 18" ABOVE THE FINISHED CEILING AND NO MORE THAN 14'-0" ABOVE FINISH FLOOR IN AREAS WITHOUT CEILINGS, TO ENSURE PROPER ACCESS. PROVIDE DROPS IN PIPING AS REQUIRED FOR COMPLIANCE.

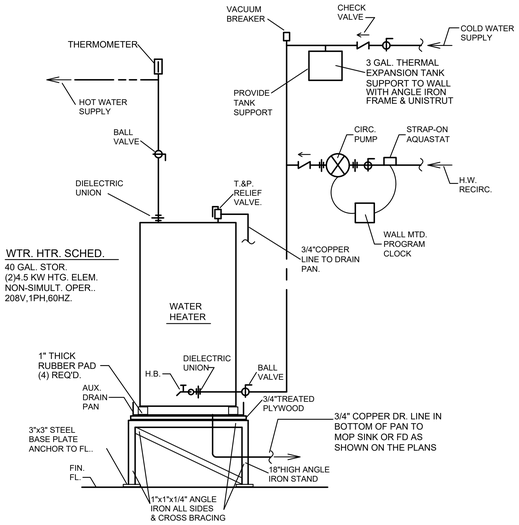
LEGEND

- WASTE PIPE
- VENT PIPE
- COLD WATER PIPE
- HOT WTR. PIPE (125°)
- HOT WTR. RECIRC. PIPE
- G — GAS PIPE
- S — STORM WATER PIPE
- AR — ACID RESIST. WASTE PIPE
- AR — ACID RESIST. VENT PIPE
- UNION
- GATE VALVE
- CHECK VALVE
- BALL VALVE

B.V.	BALL VALVE
C.I.	CAST IRON
C.O.	CLEANOUT
D.S.	DOWNSPOUT
FCO	FLOOR CLEANOUT
F.D.	FLOOR DRAIN
M.F.D.	MECH. FLOOR DRAIN
K.F.D.	KITCHEN FLOOR DRAIN
F.S.	FLOOR SINK
G.V.	GATE VALVE
H/C	HANDICAPPED
H.D.	HUB DRAIN
H.B.	HOSE BIBS
W.H.	WALL HYDRANT
R.D.	ROOF DRAIN
T.P.	TRAP PRIMER
V	VENT
VS	VENT STACK
VTR	VENT THRU ROOF
VSTR	VENT STACK THRU ROOF
VSTW	VENT STACK THRU WALL
W&V	WASTE AND VENT

INDICATES POINT OF CONNECTION TO EXISTING

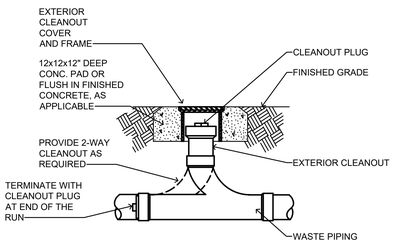
INDICATES POINT OF CONNECTION TO OUTSIDE UTILITY. SEE CIVIL DWGS..



WATER HEATER DETAIL

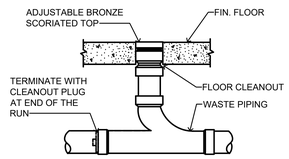
NO SCALE

NOTE: PREFABRICATED WATER HEATER STANDS ARE NOT ALLOWED



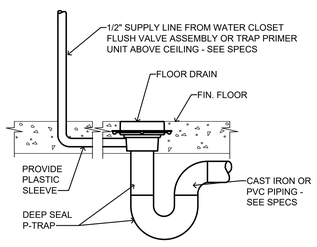
TYP. EXTERIOR CLEANOUT DETAIL

NO SCALE



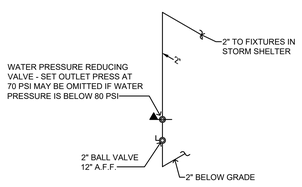
TYP. FLOOR CLEANOUT DETAIL

NO SCALE



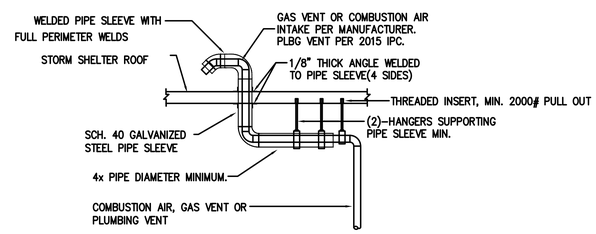
TRAP PRIMER DETAIL

NO SCALE



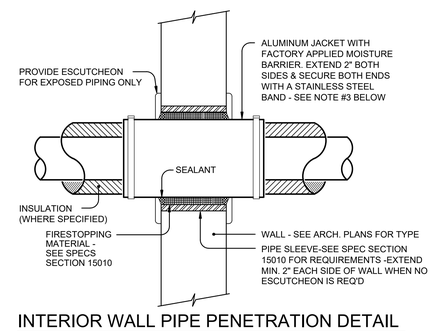
DETAIL OF PIPING AT DOMESTIC WATER SERVICE

NO SCALE



TYPICAL PIPE THRU STORM SHELTER ROOF DETAIL

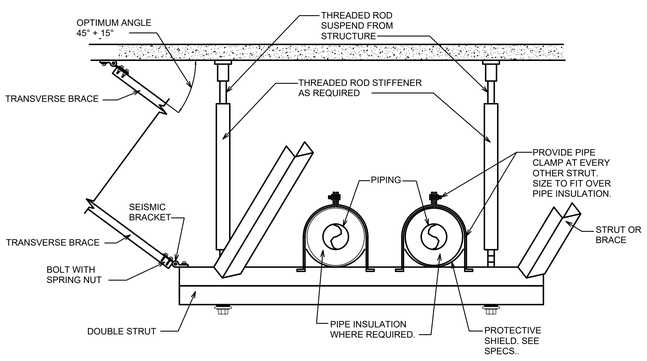
NO SCALE



INTERIOR WALL PIPE PENETRATION DETAIL

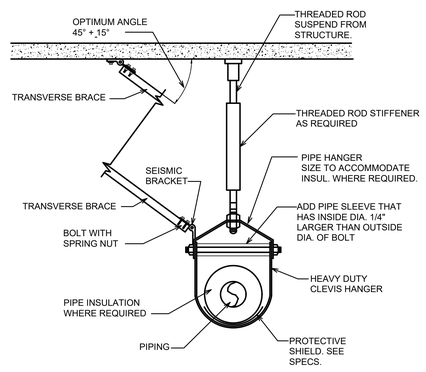
NOT TO SCALE

NOTES:
1. DETAIL APPLIES TO ALL PIPING ABOVE AND BELOW THE CEILING.
2. AT GYPSUM BOARD WALLS, PROVIDE MINIMUM 16 GA. GALVANIZED STEEL SLEEVE WITH LOCKING TYPE LONGITUDINAL SEAM
3. OMIT ALUMINUM JACKET IF PIPING IS UNINSULATED.
4. ONLY ONE PIPE PER SLEEVE ALLOWED



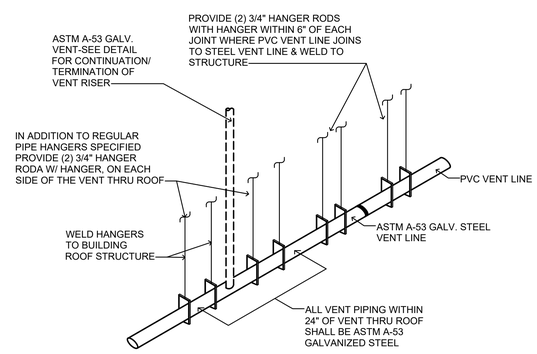
TYP. PIPE HANGER DETAIL AT STORM SHELTER

NO SCALE



TYP. PIPE HANGER DETAIL IN SAFE AREA

NO SCALE



STORM SHELTER VENT THRU ROOF DETAIL

NOT TO SCALE

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

SHEET TITLE :	PLBG. SCHEDULES DETAILS AND NOTES
MCKEE JOB # :	21.184
PSCA # :	
DRAWN BY :	C. WARD
CHECKED BY :	T. ZGOUVAS
DATE:	06.01.2022
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	

ZEA
ZGOUVAS, EIRING & ASSOCIATES
CONSULTING ENGINEERS
800 S McDONOUGH STREET
MONTGOMERY, AL. 36104
334.263.4406
ZEA PROJECT NUMBER 22-143

SHEET NO. : P1

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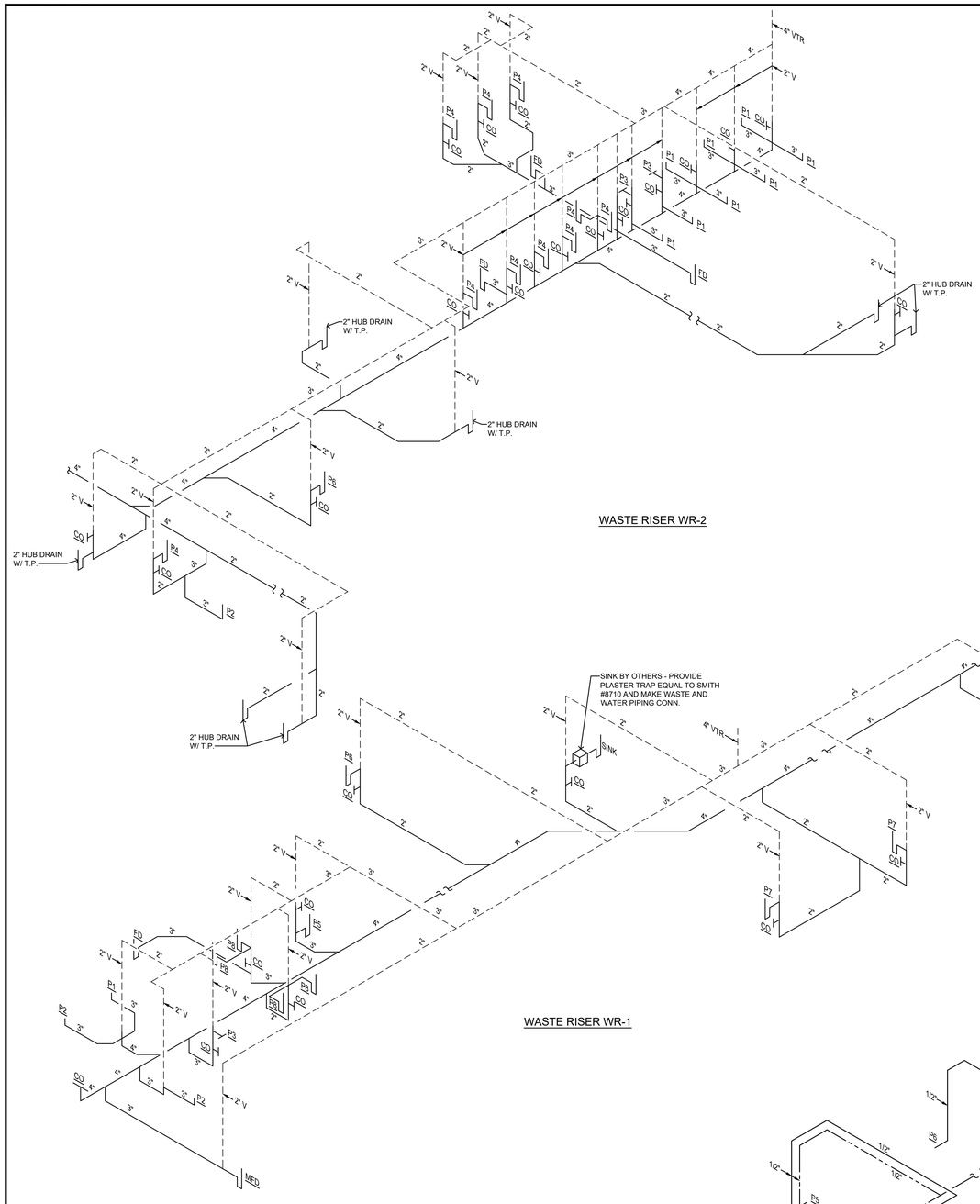

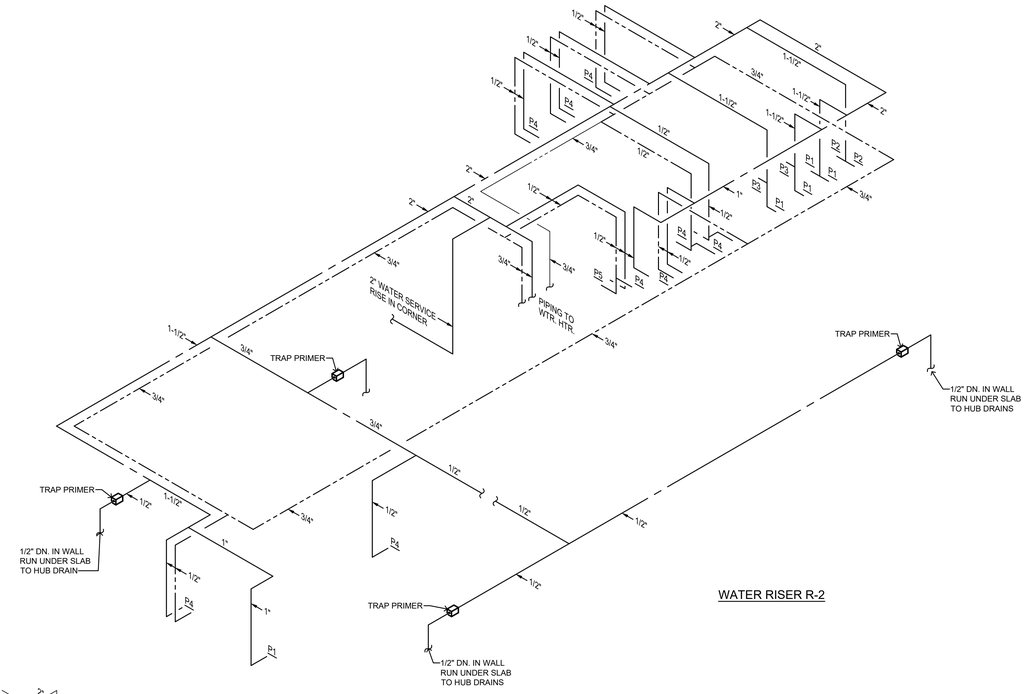

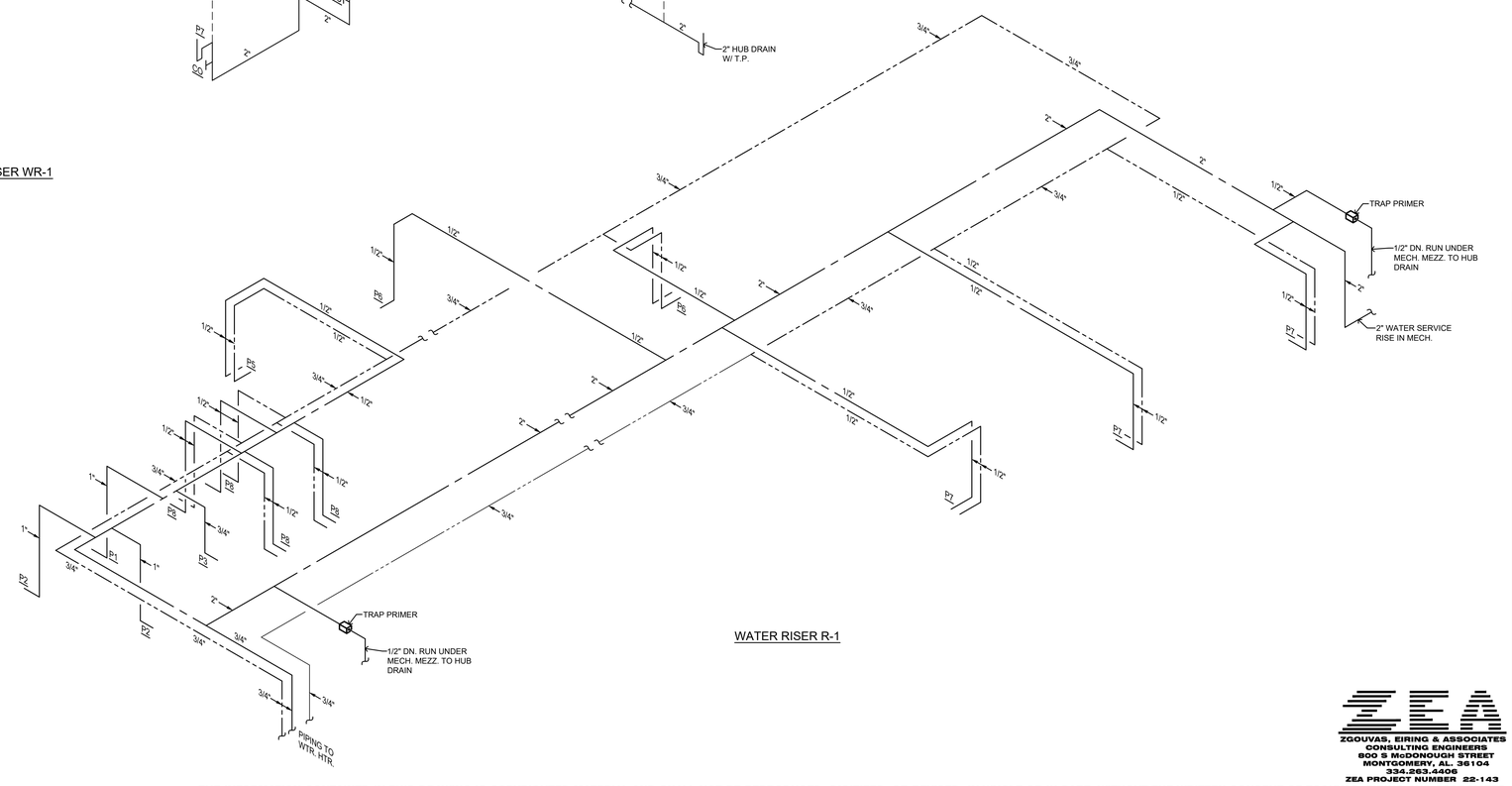

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

STATE OF ALABAMA
JOSEPH B. ZGOUVAS
No. 23369
PROFESSIONAL
06.06.22
ENGINEER
ZGOUVAS, EIRING & ASSOCIATES

SHEET TITLE :	PLBG. RISERS
MCKEE JOB # :	21.184
PSCA # :	
DRAWN BY :	C. WARD
CHECKED BY :	T. ZGOUVAS
DATE:	06.01.2022
REVISED DATE:	
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REVISED DATE:	

ZEA
ZGOUVAS, EIRING & ASSOCIATES
CONSULTING ENGINEERS
800 S McDONOUGH STREET
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ZEA PROJECT NUMBER 22-143

SHEET NO. : P2

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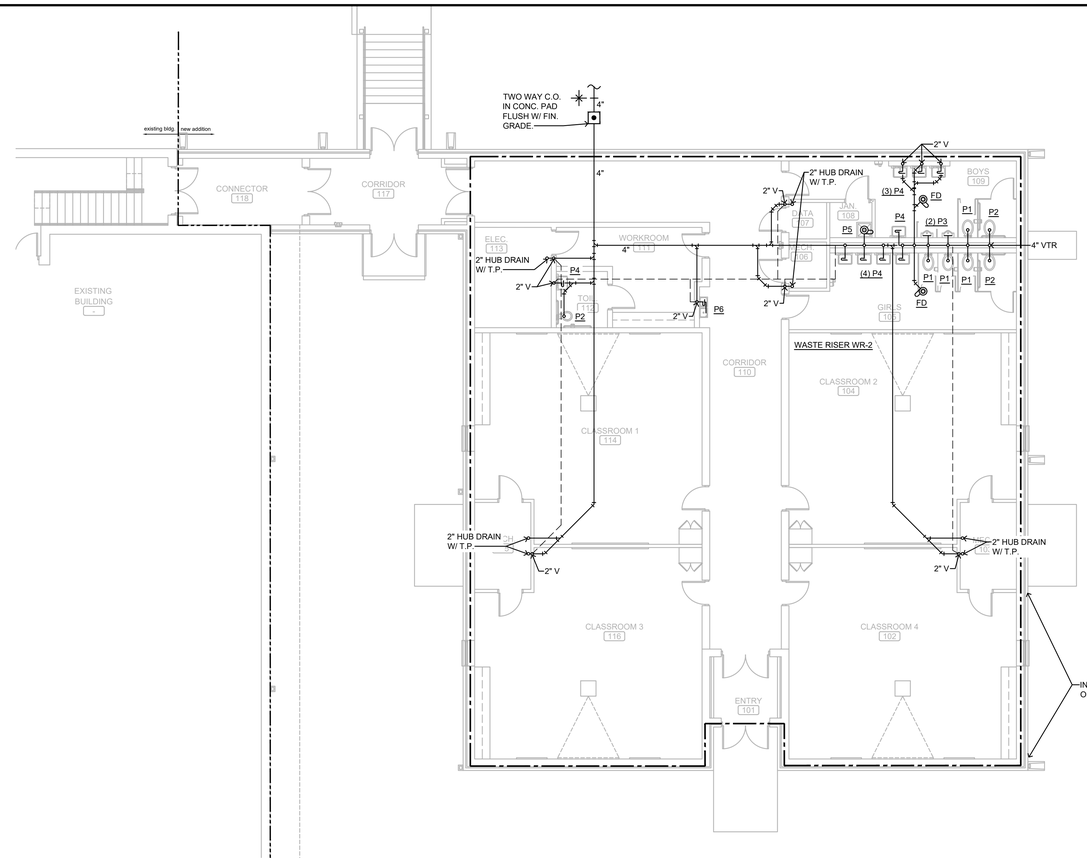
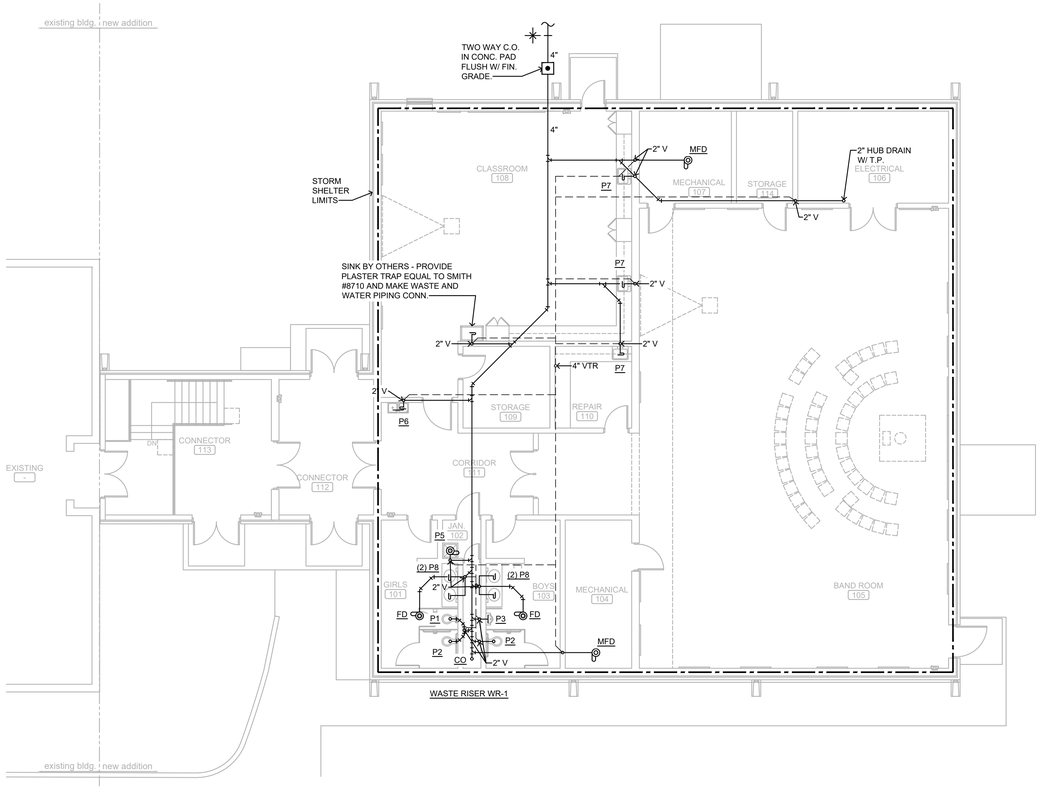




SHOWING WASTE PIPING

PLBG. FLOOR PLAN - EDEN

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

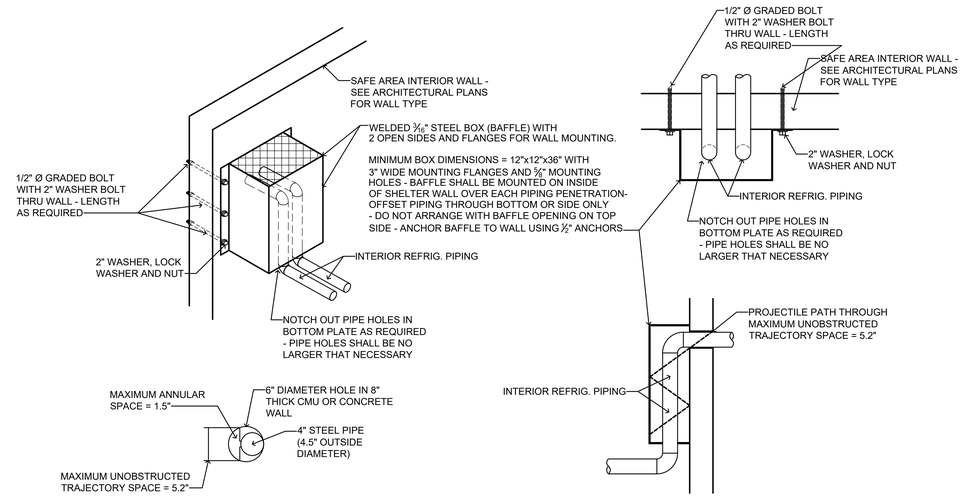
0' 2' 4' 8' 16' 32'

SHOWING WASTE PIPING

PLBG. FLOOR PLAN - COOSA VALLEY

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

0' 2' 4' 8' 16' 32'



SAFE AREA PIPING - WALL OR ROOF PENETRATION DETAIL

NOT TO SCALE

NOTES:
1. ALL ATTACHMENTS, ANCHORS, BOLTS, ETC., USED IN ATTACHING ITEMS TO THE SAFE ROOM WALL SHALL BE COORDINATED WITH, SUBMITTED TO, AND APPROVED BY THE STRUCTURAL ENGINEER BEFORE INSTALLATION
2. PENETRATIONS OF THE SAFE ROOM AREA WHICH ARE 2" Ø OR LESS DO NOT REQUIRE PROTECTION AS INDICATED ABOVE

ZGOUVAS, EIRING & ASSOCIATES
CONSULTING ENGINEERS
800 S McDONOUGH STREET
MONTGOMERY, AL. 36104
334.263.4406
ZEA PROJECT NUMBER 22-143

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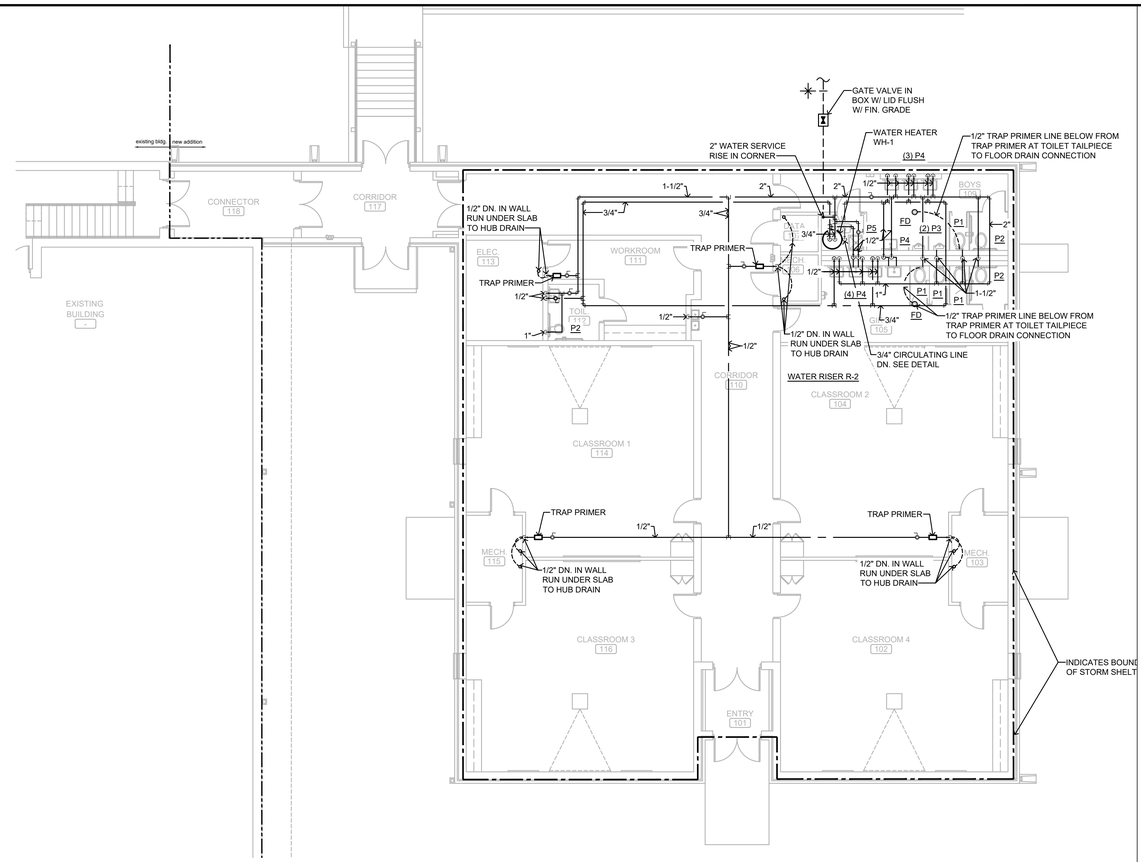
EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

ALABAMA LICENSED No. 23369 PROFESSIONAL ENGINEER 06.06.22 J. R. EIRING

SHEET TITLE :	PLBG. FLOOR PLANS SHOWING WASTE WATER PIPING
MCKEE JOB # :	21.184
PSCA # :	
DRAWN BY :	C. WARD
CHECKED BY :	T. ZGOUVAS
DATE:	06.01.2022
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	

SHEET NO. : P3

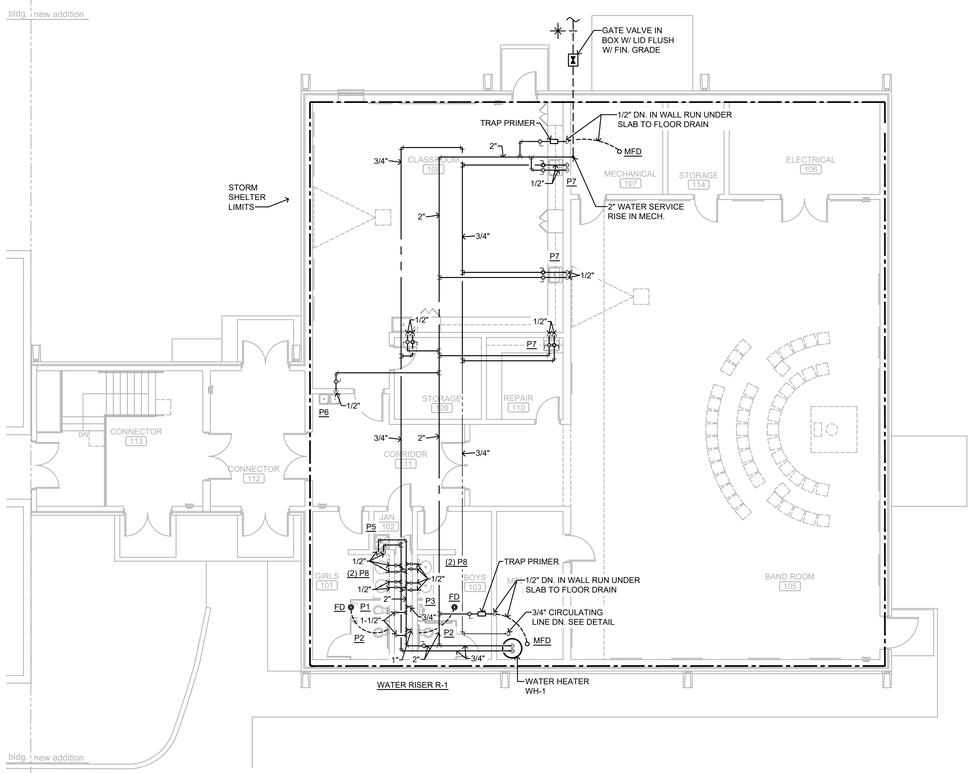


SHOWING WATER PIPING

PLBG. FLOOR PLAN - COOSA VALLEY

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

0' 2' 4' 8' 16' 32'



SHOWING WATER PIPING

PLBG. FLOOR PLAN - EDEN

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

0' 2' 4' 8' 16' 32'

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

STATE OF ALABAMA LICENSED No. 23369 PROFESSIONAL ENGINEER 06.06.22 J. R. EIRING

SHEET TITLE :	PLBG. FLOOR PLANS SHOWING WATER PIPING
MCKEE JOB # :	21.184
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DRAWN BY :	C. WARD
CHECKED BY :	T. ZGOUVAS
DATE:	06.01.2022
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ZGOUVAS, EIRING & ASSOCIATES
CONSULTING ENGINEERS
800 S McDONOUGH STREET
MONTGOMERY, AL. 36104
334.263.4406
ZEA PROJECT NUMBER 22-143

SHEET NO. : P4

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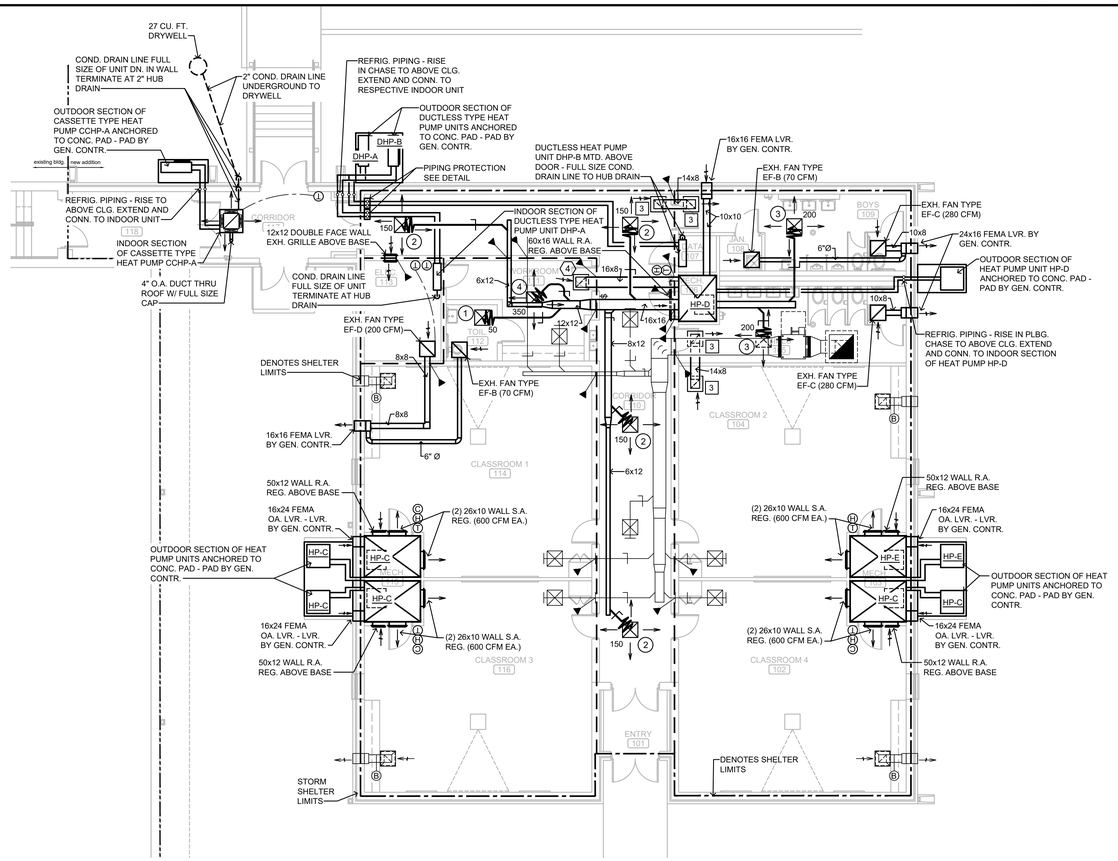
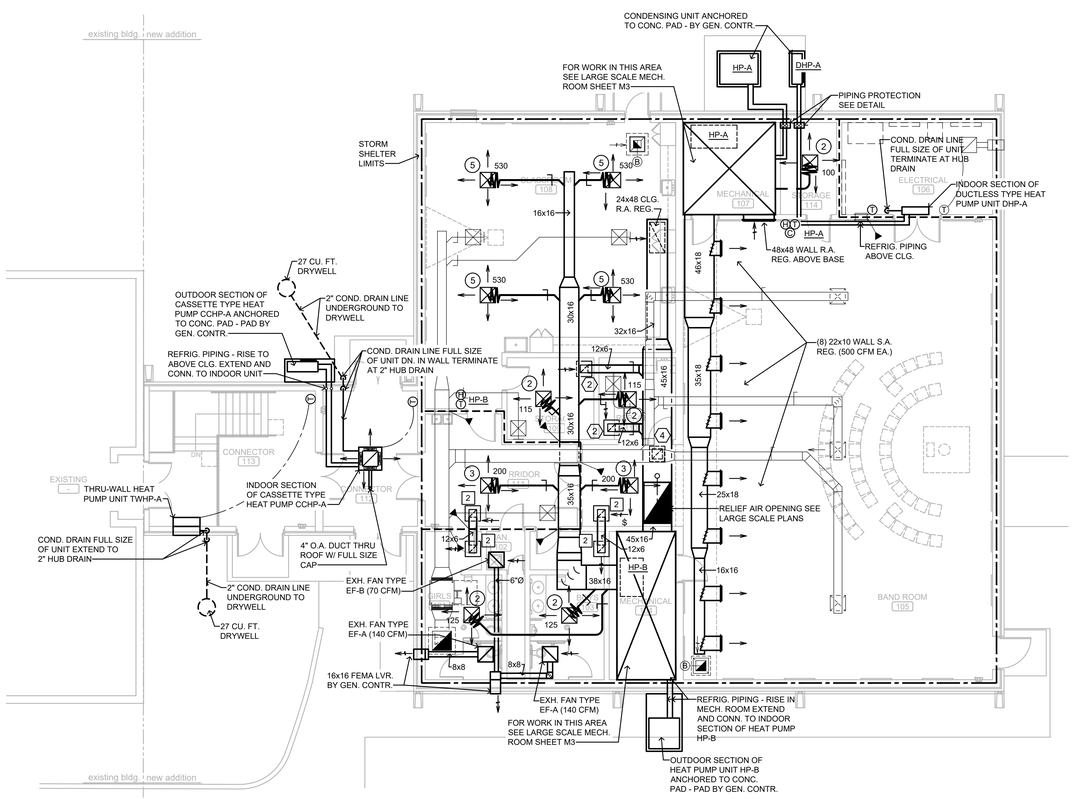


HVAC FLOOR PLAN - COOSA VALLEY

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

0' 2' 4' 8' 16' 32'



HVAC FLOOR PLAN - EDEN

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

0' 2' 4' 8' 16' 32'

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

STATE OF ALABAMA LICENSED No. 23369 PROFESSIONAL ENGINEER 06.06.22 T. P. EIRING

SHEET TITLE :	HVAC FLOOR PLANS
MCKEE JOB # :	21.184
PSCA # :	
DRAWN BY :	C. WARD
CHECKED BY :	T. ZGOUVAS
DATE:	06.01.2022
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	

ZGOUVAS, EIRING & ASSOCIATES
CONSULTING ENGINEERS
800 S McDONOUGH STREET
MONTGOMERY, AL. 36104
334.263.4406
ZEA PROJECT NUMBER 22-143

SHEET NO. : M1

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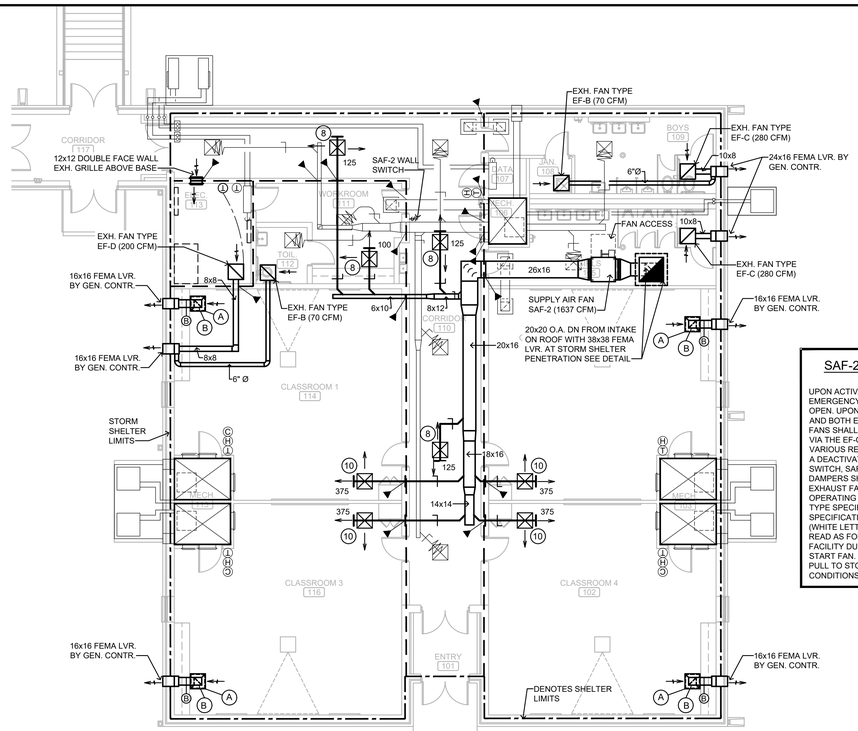


NOTES: CLASSROOM RELIEF

(A) 24x24 CLG. RELIEF AIR GRILLE

(B) 16x12 DUCT W/ BAROMETRIC DAMPER CONN. TO 16x16 FEMA LOUVER AT EXTERIOR WALL

SAF-2 SEQUENCE OF OPERATION:

UPON ACTIVATION OF THE MANUAL WALL MOUNTED EMERGENCY SWITCH, SAF-1 MOTORIZED DAMPER SHALL OPEN. UPON OPENING OF THE MOTORIZED DAMPER, SAF-2 AND BOTH EF-C TOILET EXHAUST, EF-B JAN. & EF-D EXH. FANS SHALL START. RELIEF AIR FOR THE FACILITY WILL BE VIA THE EF-C, EF-B & EF-D EXHAUST FANS AND THE VARIOUS RELIEF AIR GRILLES IN EACH CLASSROOM. UPON A DEACTIVATION OF THE WALL MOUNTED EMERGENCY SWITCH, SAF-2 SHALL SHUTDOWN, THEIR MOTORIZED DAMPERS SHALL CLOSE, AND BOTH EF-C, EF-B & EF-D EXHAUST FANS SHALL RETURN TO THEIR NORMAL OPERATING REQUIREMENTS. PROVIDE SIGNAGE OF THE TYPE SPECIFIED IN THE ARCHITECTURAL PORTION OF THE SPECIFICATIONS ADJACENT TO THE EMERGENCY SWITCH (WHITE LETTERS WITH RED BACKGROUND. SIGNAGE SHALL READ AS FOLLOWS: "UPON FAILURE OF POWER TO THE FACILITY DURING A WEATHER EVENT, PUSH BUTTON TO START FAN. UPON PASSAGE OF THE WEATHER EVENT, PULL TO STOP FAN. DO NOT OPERATE FAN UNDER NORMAL CONDITIONS".

SHELTER VENTILATION PLAN - COOSA VALLEY

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

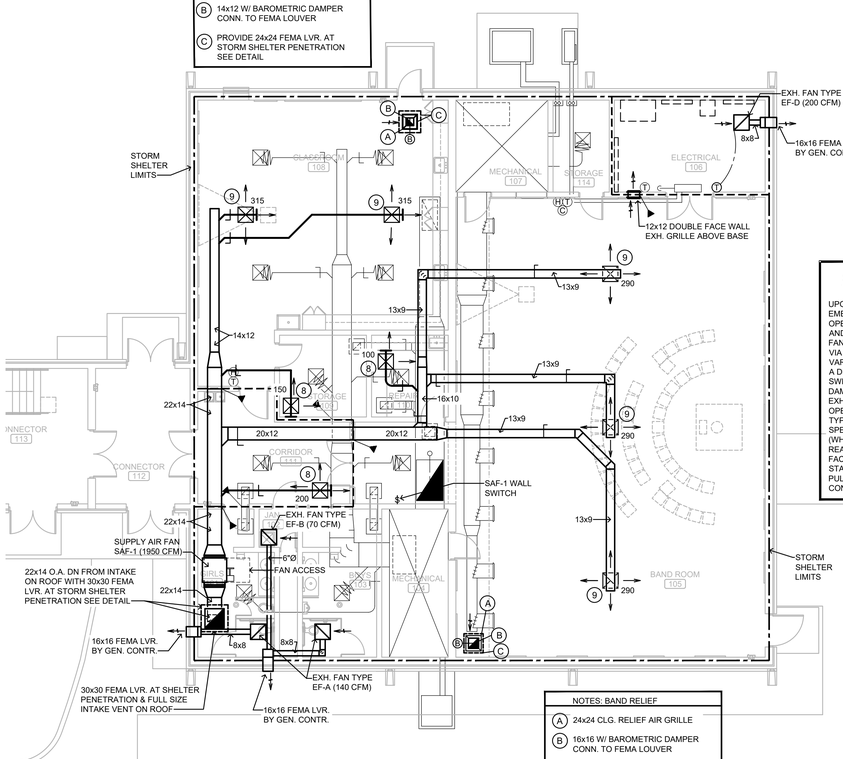
0' 2' 4' 8' 16' 32'

NOTES: CLASSROOM RELIEF

(A) 24x24 CLG. RELIEF AIR GRILLE

(B) 14x12 W/ BAROMETRIC DAMPER CONN. TO FEMA LOUVER

(C) PROVIDE 24x24 FEMA LVR. AT STORM SHELTER PENETRATION SEE DETAIL



SAF-1 SEQUENCE OF OPERATION:

UPON ACTIVATION OF THE MANUAL WALL MOUNTED EMERGENCY SWITCH, SAF-1 MOTORIZED DAMPER SHALL OPEN. UPON OPENING OF THE MOTORIZED DAMPER, SAF-1 AND BOTH EF-A TOILET EXHAUST, EF-B JAN. & EF-D EXH. FANS SHALL START. RELIEF AIR FOR THE FACILITY WILL BE VIA THE EF-A, EF-B & EF-D EXHAUST FANS AND THE VARIOUS RELIEF AIR GRILLES IN EACH CLASSROOM. UPON A DEACTIVATION OF THE WALL MOUNTED EMERGENCY SWITCH, SAF-1 SHALL SHUTDOWN, THEIR MOTORIZED DAMPERS SHALL CLOSE, AND BOTH EF-A, EF-B & EF-D EXHAUST FANS SHALL RETURN TO THEIR NORMAL OPERATING REQUIREMENTS. PROVIDE SIGNAGE OF THE TYPE SPECIFICATIONS ADJACENT TO THE EMERGENCY SWITCH (WHITE LETTERS WITH RED BACKGROUND. SIGNAGE SHALL READ AS FOLLOWS: "UPON FAILURE OF POWER TO THE FACILITY DURING A WEATHER EVENT, PUSH BUTTON TO START FAN. UPON PASSAGE OF THE WEATHER EVENT, PULL TO STOP FAN. DO NOT OPERATE FAN UNDER NORMAL CONDITIONS".

NOTES: BAND RELIEF

(A) 24x24 CLG. RELIEF AIR GRILLE

(B) 16x16 W/ BAROMETRIC DAMPER CONN. TO FEMA LOUVER

(C) PROVIDE 30x30 FEMA LVR. AT STORM SHELTER PENETRATION SEE DETAIL

SHELTER VENTILATION PLAN - EDEN

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

0' 2' 4' 8' 16' 32'

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

SHEET TITLE :	SHELTER VENTILATION PLANS
MCKEE JOB # :	21.184
PSCA # :	
DRAWN BY :	C. WARD
CHECKED BY :	T. ZGOUVAS
DATE:	06.01.2022
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	

ZGOUVAS, EIRING & ASSOCIATES
CONSULTING ENGINEERS
800 S McDONOUGH STREET
MONTGOMERY, AL. 36104
334.263.4406
ZEA PROJECT NUMBER 22-143

SHEET NO. : M2

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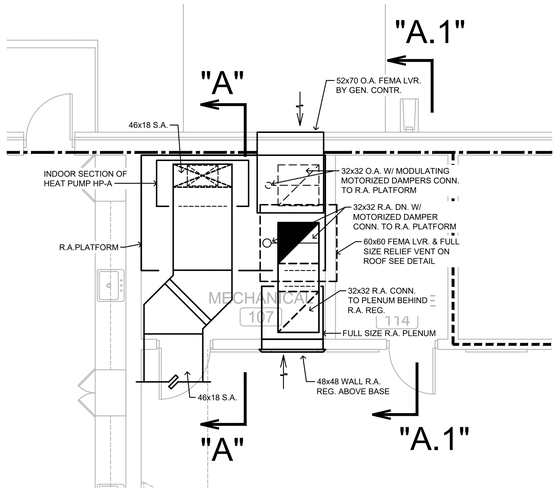
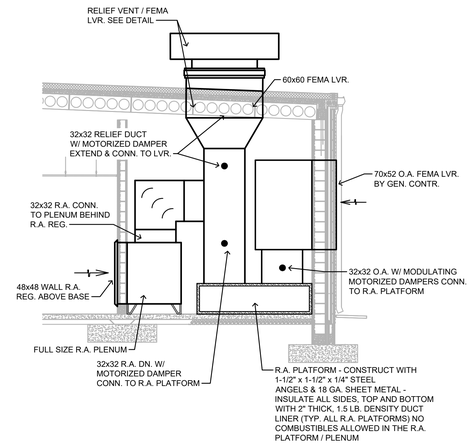


LARGE SCALE MECH. ROOM 107 - EDEN

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

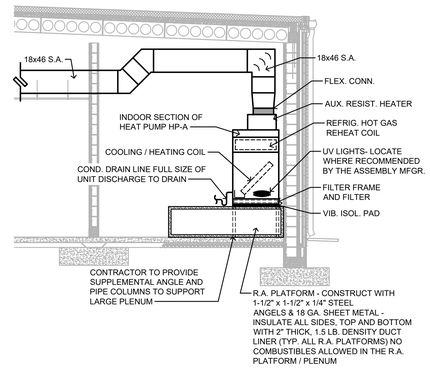
0' 1' 2' 4' 8' 16'



SECTION "A" - EDEN

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

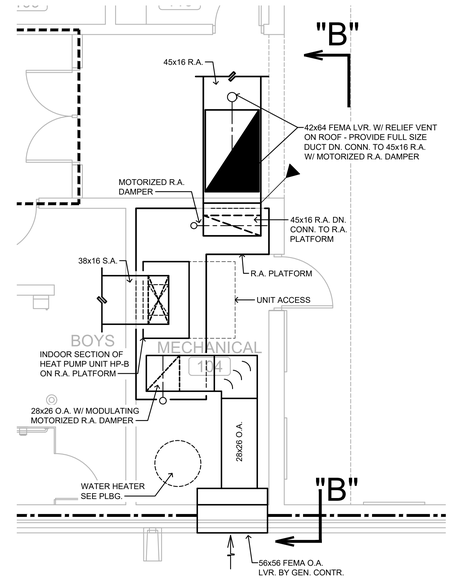
0' 1' 2' 4' 8' 16'



SECTION "A.1" - EDEN

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

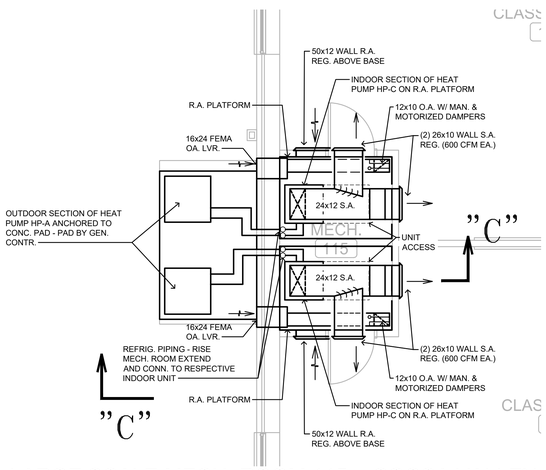
0' 1' 2' 4' 8' 16'



LARGE SCALE MECH. ROOM 104 - EDEN

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

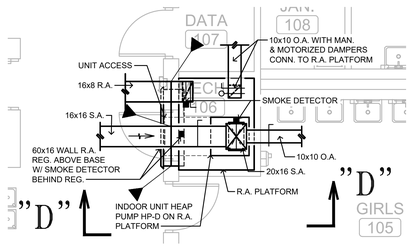
0' 1' 2' 4' 8' 16'



LARGE SCALE MECH. ROOM 115 - COOSA VALLEY

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

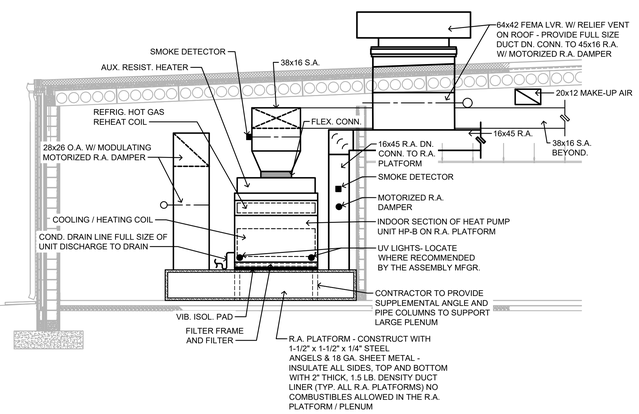
0' 1' 2' 4' 8' 16'



LARGE SCALE MECH. ROOM 107 - COOSA VALLEY

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

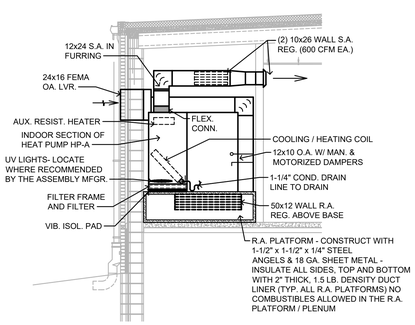
0' 1' 2' 4' 8' 16'



SECTION "B" - EDEN

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

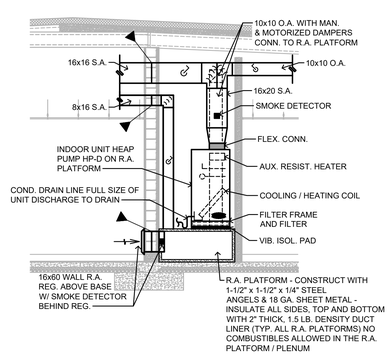
0' 1' 2' 4' 8' 16'



SECTION "C" - COOSA VALLEY

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

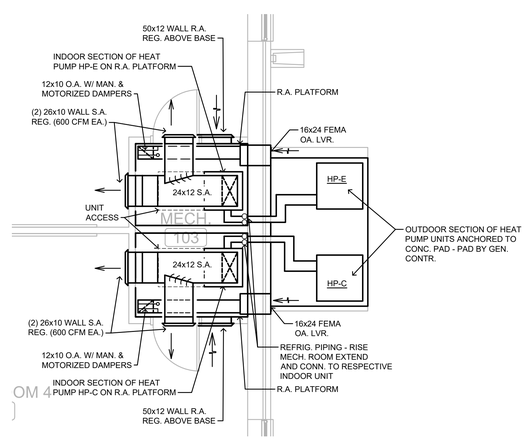
0' 1' 2' 4' 8' 16'



SECTION "D" - COOSA VALLEY

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

0' 1' 2' 4' 8' 16'



LARGE SCALE MECH. ROOM 103 - COOSA VALLEY

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

NOTE: SEE SECTION "C" FOR UNIT CONNECTIONS

0' 1' 2' 4' 8' 16'

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

SHEET TITLE :	LARGE SCALE MECH. RMS. AND SECTIONS
MCKEE JOB # :	21.184
PSCA # :	
DRAWN BY :	C. WARD
CHECKED BY :	T. ZGOUVAS
DATE:	06.01.2022
REVISED DATE:	
REVISED DATE:	
REVISED DATE:	

ZGOUVAS, EIRING & ASSOCIATES
CONSULTING ENGINEERS
800 S McDONOUGH STREET
MONTGOMERY, AL. 36104
334.263.4406
ZEA PROJECT NUMBER 22-143

SHEET NO. : M3

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SPLIT SYSTEM HEAT PUMP UNITS SCHEDULE

UNIT TYPE	MINIMUM TOTAL AIR CFM	OUTSIDE AIR CFM			APPROX. EXT. STATIC PRESS.- INCHES OF WATER COL.	FAN MOTOR				MINIMUM COOLING CAPACITY AT A.H.R.I. CONDITIONS - TOTAL BTU/HR	LOW AMBIENT HEAD PRESSURE CONTROL °F - (COOLING ONLY)	MINIMUM HEATING CAP. (COMPRESSOR ONLY) AT 22°F AMBIENT & 70°F INDOOR TEMP. - BTU/HR	COMPRESSOR MOTOR				OUTDOOR UNIT FAN(S)				AUXILIARY RESISTANCE HEATER					MINIMUM HSPF/COP AT A.H.R.I. CONDITIONS	MIN. EFFICIENCY AT A.H.R.I. CONDITIONS	REMARKS
		MINIMUM SETPOINT	MAXIMUM CO2 SETPOINT	MAXIMUM SETPOINT (ECONOMIZER)		APPROX. H.P.	VOLTS	PHASE	HZ.				APPROX. F.L.A.	VOLTS	PH.	HZ.	APPROX. F.L.A.	VOLTS	PH.	HZ.	K.W.	CONTROL STEPS	VOLTS	PH.	HZ.			
HP-A	4000	160	870	4000	0.75	2.0	480	3	60	120,000	45	79,000	18.5	480	3	60	4.0	480	1	60	32.0	TWO	480	3	60	3.3 COP	11.0 EER	EDEN
HP-B	3000	680	680	3000	0.90	2.0	480	3	60	90,000	45	54,000	15.0	480	3	60	2.5	480	1	60	25.0	TWO	480	3	60	3.3 COP	11.0 EER	EDEN
HP-C	1200	100	375	N/A	0.50	1/2	208	3	60	36,000	45	23,000	11.0	208	3	60	1.5	208	1	60	10.0	TWO	208	3	60	8.2 HSPF	14.0 SEER	COOSA VALLEY
HP-D	1400	350	350	N/A	0.90	3/4	208	3	60	42,000	45	27,000	15.0	208	3	60	2.1	208	1	60	12.0	TWO	208	3	60	8.2 HSPF	14.0 SEER	COOSA VALLEY
HP-E	1200	375	375	N/A	0.90	1/2	208	3	60	36,000	45	23,000	11.0	208	3	60	1.5	208	1	60	10.0	TWO	208	3	60	8.2 HSPF	14.0 SEER	COOSA VALLEY

NOTES:

1. ALL INDOOR UNITS SHALL BE FACTORY WIRED FOR SINGLE POINT POWER CONNECTIONS (FAN AND HEATER).
2. 480V & 208V VOLT, 3 PHASE POWER IS BEING PROVIDED BY ELECTRICAL TO THE INDOOR HEAT PUMP UNIT SECTIONS. UNIT MANUFACTURER SHALL PROVIDE FACTORY INSTALLED RELAYS, TRANSFORMERS, ETC., AS REQUIRED TO OPERATE EQUIPMENT AT POWER REQUIREMENTS SPECIFIED ABOVE.
3. SEER RATINGS BASED ON AHRI 210/240
4. EER RATINGS BASED ON AHRI 340/360
5. HSPF RATING BASED ON AHRI 210/240
6. COP RATING BASED ON AHRI 340/360 AT 47°F DB/43°F WB
7. HP-A, HP-B AND HP-D SYSTEMS SHALL BE PROVIDED WITH A REFRIGERANT HOT GAS REHEAT COIL COMPLETE WITH REFRIGERANT PIPING, PIPE INSULATION, VALVES, CONTROLS, ETC. REQUIRED FOR HUMIDITY CONTROL - PROVIDE MANUAL REFRIGERANT ISOLATION VALVES FOR HOT GAS AND LIQUID LINES - FURNISH FOR APPROVAL DETAILED REFRIGERANT PIPING CONN. DIAGRAM AND CONTROL WIRING DIAGRAM - PRIOR TO SUBMITTING THE DIAGRAM OBTAIN EQUIPMENT MANUFACTURER'S APPROVAL. SEE SPECS FOR ADDITIONAL REQUIREMENTS
8. HP-A AND HP-B OUTDOOR UNITS SHALL HAVE MINIMUM OF 2-COMPRESSORS OR 2-STAGE COMPRESSORS AS REQUIRED BY ASHRAE 90.1
9. HP-A AND HP-B INDOOR UNITS SHALL BE TWO SPEED.

FANS SCHEDULE

FAN TYPE	FAN CFM	DESCRIPTION	MINIMUM FAN SIZE INCHES	APPROX. FAN WALL/ ROOF OPENING -INCHES	MAXIMUM FAN SPEED RPM	APPROX. EXT. STATIC PRESS. IN. WTR. COL.	FAN MOTOR				CONTROL INTERLOCK	REMARKS
							MIN. H.P./ WATTS	POWER				
								VOLTS	PH.	HERTZ		
EF-A	140	CEILING MOUNTED, CENTRIFUGAL, DIRECT DRIVE	10.0	N/A	1050	0.25	84 W	120	1	60	LIGHTING CIRCUIT / INVERTER - SEE CONTROLS & SEQUENCE ON PLANS	EDEN
EF-B	70	CEILING MOUNTED, CENTRIFUGAL, DIRECT DRIVE	8.0	N/A	1050	0.30	77 W	120	1	60	LIGHTING CIRCUIT/ INVERTER - SEE CONTROLS & SEQUENCE ON PLANS	EDEN / COOSA VALLEY
EF-C	280	CEILING MOUNTED, CENTRIFUGAL, DIRECT DRIVE	10.0	N/A	1050	0.25	84 W	120	1	60	LIGHTING CIRCUIT/ INVERTER - SEE CONTROLS & SEQUENCE ON PLANS	COOSA VALLEY
EF-D	200	CEILING MOUNTED, CENTRIFUGAL, DIRECT DRIVE	8.0	N/A	1050	.40	80 W	120	1	60	TSTAT / INVERTER - SEE CONTROLS & SEQUENCE ON PLANS	EDEN / COOSA VALLEY
SAF-1	1950	IN-LINE DIRECT DRIVE, ECM, CENTRIFUGAL	15.0	N/A	1449	1.05	3/4	120	1	60	INVERTER - SEE CONTROLS & SEQUENCE ON PLANS	EDEN
SAF-2	1640	IN-LINE DIRECT DRIVE, ECM, CENTRIFUGAL	15.0	N/A	1282	0.89	1/2	120	1	60	INVERTER - SEE CONTROLS & SEQUENCE ON PLANS	COOSA VALLEY

CEILING DIFFUSER SCHEDULE

SYMBOL	CFM RANGE	NECK SIZE INCHES	FACE SIZE INCHES	BRANCH DUCT SIZE	MAXIMUM NC VALUE	BASIS OF DESIGN
1	10 - 95	6" ROUND	24x24	6"Ø	20	TITUS TMS
2	100 - 180	8" ROUND	24x24	8"Ø	20	TITUS TMS
3	185 - 270	10" ROUND	24x24	10"Ø	20	TITUS TMS
4	275 - 400	12" ROUND	24x24	12"Ø	20	TITUS TMS
5	405 - 530	14" ROUND	24x24	14"Ø	20	TITUS TMS
6	535 - 625	15" ROUND	24x24	15"Ø	20	TITUS TMS
7	10 - 95	6x6	6x6	6x6	20	TITUS TDC
8	95 - 200	9x9	9x9	10x7	20	TITUS TDC
9	205 - 350	12x12	12x12	13x9	20	TITUS TDC
10	355 - 500	15x15	15x15	15x10	20	TITUS TDC

NOTES

1.) RUNOUTS/BRANCH DUCTS SHALL BE AS SCHEDULED ABOVE UNLESS NOTED OTHERWISE ON THE PLANS
2.) CONTRACTOR SHALL INSULATE THE EXTERIOR (BACK SIDE OF DIFFUSER PANEL) WITH 1" THICKNESS EXTERNAL DUCT INSULATION WITH CHARACTERISTICS SPECIFIED FOR EXTERNAL DUCT INSULATION.

EXHAUST/RETURN AIR REGISTER SCHEDULE

SYMBOL		CFM RANGE	SIZE - IN. x IN.	DESCRIPTION	MAXIMUM NC RATING	BRANCH DUCT SIZE
EXH.	R.A.					
1	1	0 - 140	9x9	CEILING EXH. OR RETURN REG.	20	9x6
2	2	141 - 240	12x12	CEILING EXH. OR RETURN REG.	20	12x7
3	3	241 - 340	14x14	CEILING EXH. OR RETURN REG.	20	14x7
4	4	341 - 460	16x16	CEILING EXH. OR RETURN REG.	20	16x9
5	5	461 - 600	18x18	CEILING EXH. OR RETURN REG.	20	18x10
6	6	601 - 760	20x20	CEILING EXH. OR RETURN REG.	20	20x12
7	7	761 - 940	24x24	CEILING EXH. OR RETURN REG.	20	24x12
8	8	941 - 1200	30x24	CEILING EXH. OR RETURN REG.	20	24x14
9	9	1201 - 1400	36x24	CEILING EXH. OR RETURN REG.	20	28x14

NOTES

1.) RUNOUTS/BRANCH DUCTS SHALL BE AS SCHEDULED ABOVE UNLESS NOTED OTHERWISE ON THE PLANS.
2.) 8 8 & 9 9 SHALL BE IN INTEGRAL 48x24 METAL CEILING PANEL AS SPECIFIED. ALL OTHERS SHALL BE IN INTEGRAL 24x24 METAL CEILING PANEL AS SPECIFIED.

PACKAGED THRU THE WALL HEAT PUMP UNIT SCHEDULE

UNIT TYPE	TWHP-A
MINIMUM TOTAL COOLING CAP. AT A.R.I. CONDITIONS - BTU/HR	13,800
MINIMUM HEATING CAPACITY (COMPRESSOR ONLY) BTU/HR	13,000
MINIMUM AUX. ELECTRIC RESISTANCE HEAT - KW	4.0
INDOOR FAN CFM AT HIGH SPEED	315
OUTSIDE AIR CFM	100
UNIT POWER - MCA / MOP	27.7 / 30.0 - 208V., 1PH., 60HZ.
MINIMUM E.E.R. AT A.R.I. 210/240	10.0
MINIMUM COP AT A.R.I. 210/240	3.1
REMARKS	W/ ARCHITECTURAL GRILLE

NOTES:

1. HEATING CAPACITY (COMPRESSOR) BASED ON 47°F DB AMBIENT TEMPERATURE

WALL MOUNTED DUCTLESS HEAT PUMP UNIT SCHEDULE

UNIT TYPE	DHP-A	DHP-B
MINIMUM TOTAL COOLING CAP. AT A.R.I. CONDITIONS - BTU/HR	24,000	9,000
MINIMUM HEATING CAP. (COMPRESSOR ONLY) AT 70°F INDOOR & 17°F AMBIENT - BTU/HR	18,000	6,700
INDOOR FAN CFM AT HIGH SPEED	750	230
INDOOR UNIT MCA - POWER	1.5A - 208V, 1 PH. , 60 HZ.	1.5A - 208V, 1 PH. , 60 HZ.
OUTDOOR UNIT MCA (COMPRESSOR AND COND. FAN) - POWER	18.0A - 208V, 1 PH., 60 HZ.	9.0A - 208V, 1 PH., 60 HZ.
OUTDOOR UNIT MOP (COMPRESSOR AND COND. FAN) - POWER	30.0A - 208V., - 1PH., 60HZ.	15.0A - 208V., - 1PH., 60HZ.
MINIMUM HSPF AT AHRI 210/240 CONDS.	10.8	10.0
MINIMUM S.E.E.R. AT AHRI 210/240 CONDS	17.0	18.0
BASIS OF DESIGN	MITSUBISHI PKA / PUZ	MITSUBISHI MSZ / MUZ

CEILING CASSETTE TYPE HEAT PUMP UNIT SCHEDULE

UNIT TYPE	CCHP-A
MINIMUM TOTAL COOLING CAP. AT A.R.I. CONDITIONS - BTU/HR	15,000
MINIMUM HEATING CAP. (COMPRESSOR ONLY) AT 70°F INDOOR & 17°F AMBIENT - BTU/HR	14,000
INDOOR FAN CFM AT HIGH SPEED	350
OUTSIDE AIR CFM	20
INDOOR UNIT MCA - POWER	1.0 - 208V, 1 PH. , 60 HZ.
OUTDOOR UNIT MCA (COMPRESSOR AND COND. FAN) - POWER	13.0A - 208V, 1 PH., 60 HZ.
OUTDOOR UNIT MOP	15.0A - 208V., - 1PH., 60HZ.
MINIMUM HSPF AT AHRI 210/240 CONDS.	9.6
MINIMUM S.E.E.R. AT AHRI 210/240 CONDS	16.0

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

REGISTERED PROFESSIONAL ENGINEER No. 23369 06.06.22 J. R. EIRING

SHEET TITLE : HVAC SCHEDULES

MCKEE JOB # : 21.184

PSCA # :

DRAWN BY : C. WARD
CHECKED BY : T. ZGOUVAS
DATE: 06.01.2022

REVISED DATE:

REVISED DATE:

REVISED DATE:

ZGOUVAS, EIRING & ASSOCIATES
CONSULTING ENGINEERS
800 S McDONOUGH STREET
MONTGOMERY, AL. 36104
334.263.4406
ZEA PROJECT NUMBER 22-143

SHEET NO. : M4

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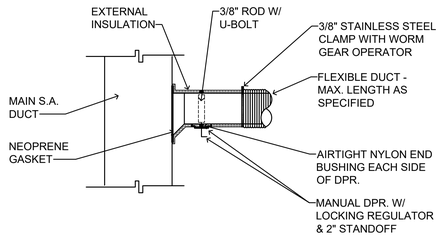
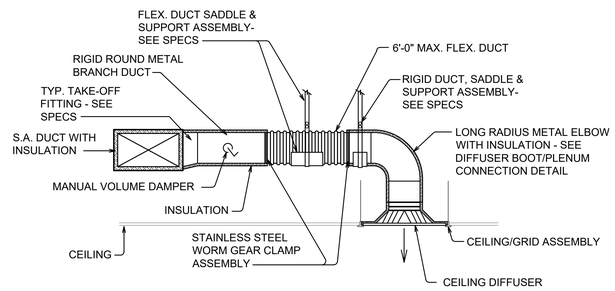


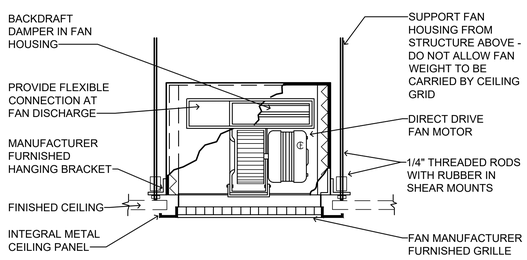
ROUND BRANCH DUCT TAKE-OFF DETAIL

NOT TO SCALE
RECTANGULAR RUNOUTS SAME EXCEPT WITH RECTANGULAR DUCT



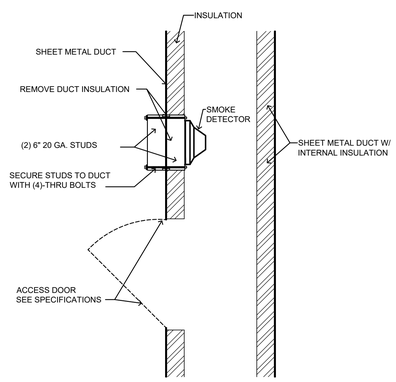
TYPICAL DIFFUSER RUN-OUT CONN.

NOT TO SCALE



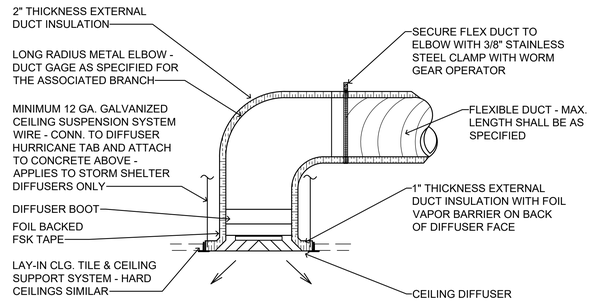
CEILING MOUNTED EXHAUST FAN CONN. DETAIL

NO SCALE



SMOKE DETECTOR MOUNTING DETAIL

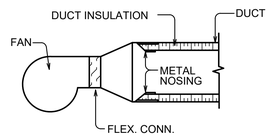
NOT TO SCALE



DIFFUSER BOOT/PLENUM CONNECTION DETAIL

NOT TO SCALE

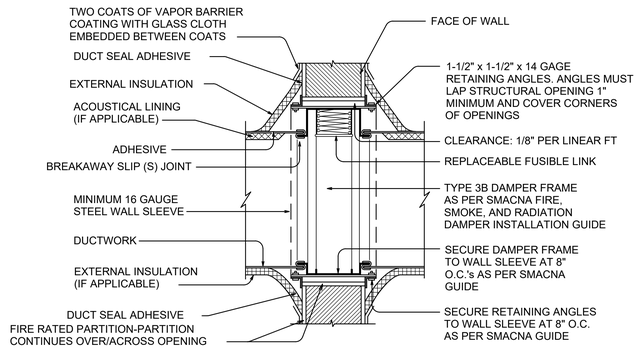
1. DIFFUSERS PANELS SHALL BE INSULATED PRIOR TO INSTALLING INTO THE CEILING GRID
2. DO NOT COVER STAINLESS STEEL BAND AND WORM GEAR OPERATOR UNTIL ENGINEER HAS INSPECTED THE INSTALLATION.



TYPICAL DUCT LINER INTERRUPTION DETAIL

NOT TO SCALE

NOTE !! THIS DETAIL APPLIES TO FIRE DAMPER INSTALLATION, WHERE DUCTS CONNECT TO FAN SECTION, ANYWHERE BARE DUCT LINER PROTRUDES INTO THE AIRSTREAM, ANY POINT WHERE LINED DUCT IS PRECEDED BY UNLINED DUCT, BARE DUCT INSULATION EDGES THAT ARE EXPOSED IN THE RETURN AIR PLENUM, ETC. - SEE SPECS FOR ADDITIONAL REQUIREMENTS



WALL MOUNTED FIRE DAMPER DETAIL

NOT TO SCALE

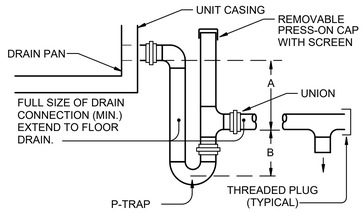
NOTES:

1.) PROVIDE FIRE DAMPERS IN ALL DUCTS PENETRATING FIRE RATED WALLS, CEILINGS, FLOORS AND ANY TYPE OF RATED ASSEMBLY - REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF FIRE RATINGS.
2.) VERTICAL ACTION INSTALLATION SHOWN. HORIZONTAL ACTION DAMPER INSTALLATION SIMILAR
3.) PROVIDE ACCESS PANEL/DOOR IN DUCT AND INACCESSIBLE (HARD) CEILINGS FOR EACH FIRE DAMPER
4.) DO NOT EXTERNALLY INSULATE THE FIRE DAMPER ANGLES UNTIL THE ENGINEER HAS INSPECTED THE FIRE DAMPER INSTALLATION

SYMBOLS

DENOTES VERTICAL ACTION FIRE DAMPER

DENOTES HORIZONTAL ACTION FIRE DAMPER



UNIT TYPE	A	B
DRAW-THRU	2" PLUS "X"	"X" PLUS 1"
BLOW-THRU	1" MINIMUM	2X PLUS 1"

WHERE "X" = AHU STATIC PRESSURE

TYPICAL AIR HANDLING UNIT CONDENSATE DRAIN DETAIL

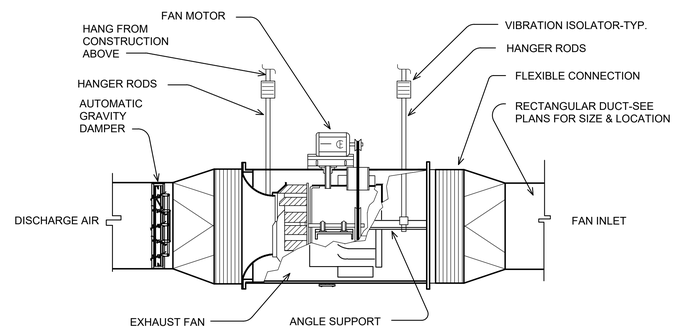
NOT TO SCALE

NOTES:

1. CONTRACTOR SHALL PROVIDE DRAIN AS REQUIRED BY THE AIR HANDLING UNIT MANUFACTURER. IN ABSENCE OF THOSE REQUIREMENTS, CONTRACTOR SHALL PROVED DRAIN AS DETAILED ABOVE

2. CONTRACTOR SHALL RAISE AIR HANDLING UNIT AS REQUIRED TO ALLOW FOR INSTALLATION OF THE DRAIN AS DETAILED ABOVE

3. PROVIDE AN ELECTRIC SWITCH IN THE CONDENSATE DRAIN LINE, THAT CONFORMS TO UL 508, TO SHUT DOWN THE UNIT AND ALARM TO THE BUILDING ENERGY MANAGEMENT SYSTEM OPERATOR CONSOLE (IF APPLICABLE) SHOULD THE LINE BECOME OBSTRUCTED



CABINET TYPE IN-LINE CENTRIFUGAL FAN DETAIL

NOT TO SCALE

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

STATE OF ALABAMA LICENSED PROFESSIONAL ENGINEER No. 23369 06.06.22 T. ZGOUVAS ZGOUVAS, EIRING & ASSOCIATES

SHEET TITLE : HVAC DETAILS

MCKEE JOB # : 21.184

PSCA # :

DRAWN BY : C. WARD

CHECKED BY : T. ZGOUVAS

DATE: 06.01.2022

REVISED DATE:

REVISED DATE:

REVISED DATE:

ZGOUVAS, EIRING & ASSOCIATES
CONSULTING ENGINEERS
800 S McDONOUGH STREET
MONTGOMERY, AL. 36104
334.263.4406
ZEA PROJECT NUMBER 22-143

SHEET NO. : M5

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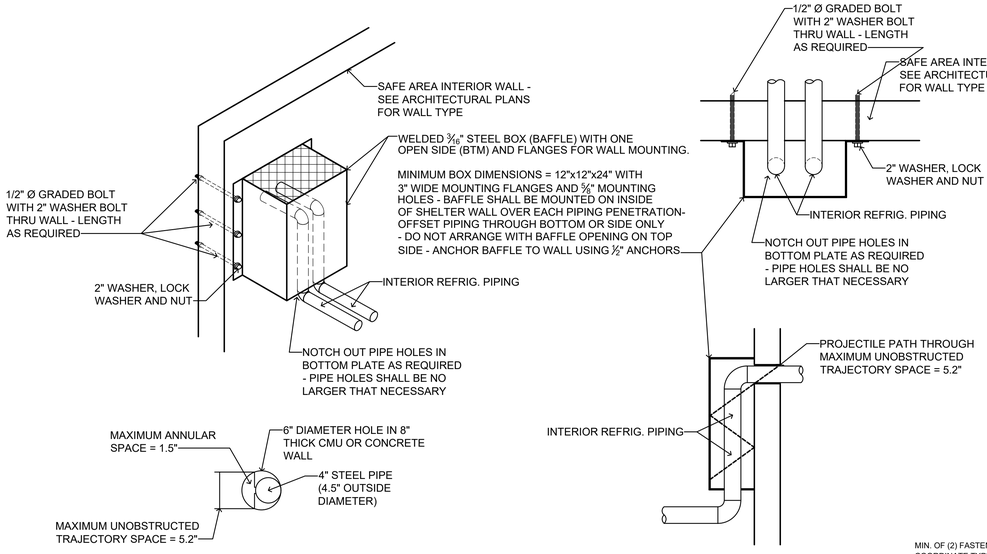
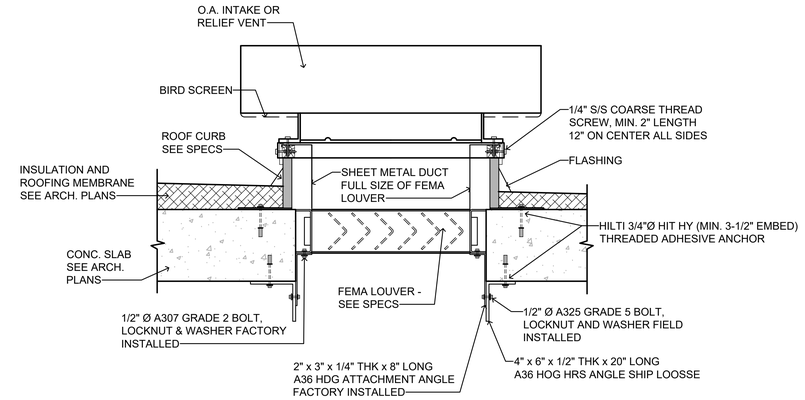


SAFE AREA REFRIG. PIPING WALL PENETRATION DETAIL

NOT TO SCALE

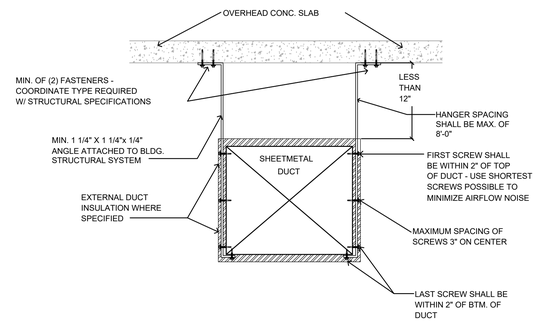
NOTES:
1. ALL ATTACHMENTS, ANCHORS, BOLTS, ETC., USED IN ATTACHING ITEMS TO THE SAFE ROOM WALL SHALL BE COORDINATED WITH, SUBMITTED TO, AND APPROVED BY THE STRUCTURAL ENGINEER BEFORE INSTALLATION
2. PENETRATIONS OF THE SAFE ROOM AREA WHICH ARE 2" Ø OR LESS DO NOT REQUIRE PROTECTION AS INDICATED ABOVE



ROOF MOUNTED STORM SHELTER INTAKE / RELIEF AIR VENTILATOR

NOT TO SCALE

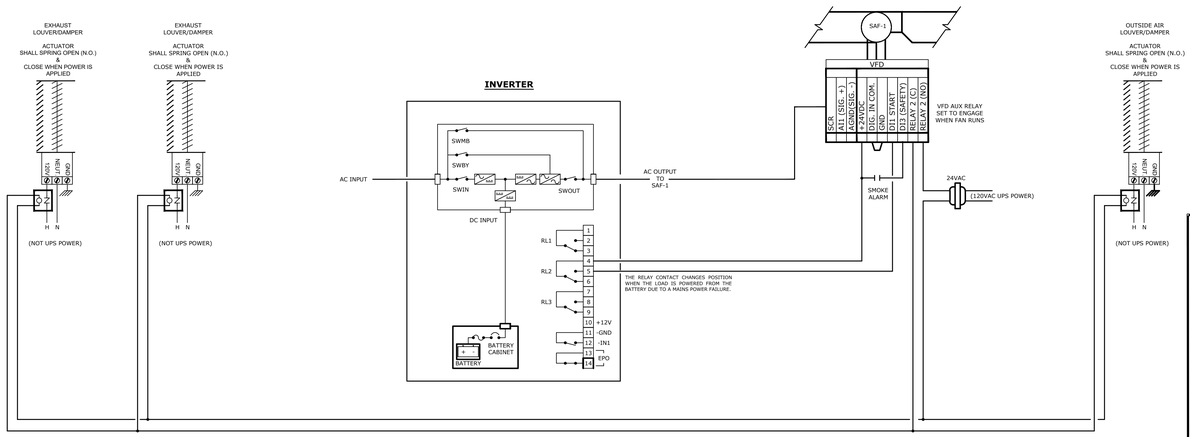
NOTE:
ALL ATTACHMENTS, ANCHORS, BOLTS, ETC. USED IN ATTACHING ITEMS TO THE SAFE ROOM LID SHALL BE COORDINATED WITH, SUBMITTED TO, AND APPROVED BY THE STRUCTURAL ENGINEER BEFORE INSTALLATION



DUCT SUPPORTS FOR RECTANGULAR DUCTS STORM SHELTER AREA

NOT TO SCALE

NOTES
1. SEAL ALL DUCT SHEETMETAL SCREWS WITH DUCT JOINT SEALANT
2. ALL ATTACHMENTS, ANCHORS, BOLTS, ETC., USED IN ATTACHING ITEMS TO THE SAFE ROOM WALL SHALL BE COORDINATED WITH, SUBMITTED TO, AND APPROVED BY THE STRUCTURAL ENGINEER BEFORE INSTALLATION



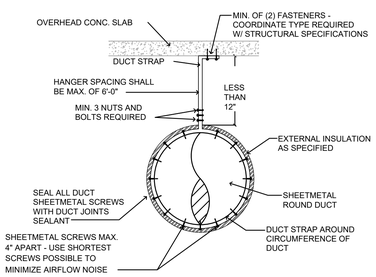
STORM SHELTER SAF CONTROL SCHEMATIC

NOT TO SCALE

SCHEMATIC IS DIAGRAMMATIC AND SHOWN FOR INTENT. CONTROLS SUB-CONTRACTOR TO COORDINATE ACTUAL WIRING REQUIREMENTS WITH ELECTRICAL CONTRACTOR AND PROVIDE AS REQUIRED- SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION

SAF-1 & SAF-2 SEQUENCE OF OPERATION:

UPON ACTIVATION OF THE MANUAL WALL MOUNTED EMERGENCY SWITCH, SAF-1 & SAF-2 MOTORIZED DAMPERS SHALL OPEN. UPON OPENING OF THE MOTORIZED DAMPERS, SAF-1, SAF-2 AND EF-A, EF-B, EF-C & EF-D EXHAUST EXH. FAN SHALL START. RELIEF AIR FOR THE FACILITY WILL BE VIA THE EF-A, EF-B, EF-C & EF-D EXHAUST FANS AND THE VARIOUS RELIEF AIR GRILLES IN EACH CLASSROOM. UPON A DEACTIVATION OF THE WALL MOUNTED EMERGENCY SWITCH, SAF-1 & SAF-2 SHALL SHUTDOWN, THEIR MOTORIZED DAMPERS SHALL CLOSE, AND EF-A, EF-B, EF-C & EF-D EXHAUST FANS SHALL RETURN TO THEIR NORMAL OPERATING REQUIREMENTS. PROVIDE SIGNAGE OF THE TYPE SPECIFIED IN THE ARCHITECTURAL PORTION OF THE SPECIFICATIONS ADJACENT TO THE EMERGENCY SWITCH (WHITE LETTERS WITH RED BACKGROUND. SIGNAGE SHALL READ AS FOLLOWS: "UPON FAILURE OF POWER TO THE FACILITY DURING A WEATHER EVENT, PUSH BUTTON TO START FAN. UPON PASSAGE OF THE WEATHER EVENT, PULL TO STOP FAN. DO NOT OPERATE FAN UNDER NORMAL CONDITIONS".



DUCT SUPPORTS FOR ROUND DUCTS OVER STORM SHELTER AREA

NOT TO SCALE

NOTES
1. MAXIMUM ALLOWED FLEXIBLE DUCT SHALL BE 3'-0"
2. ALL ATTACHMENTS, ANCHORS, BOLTS, ETC., USED IN ATTACHING ITEMS TO THE SAFE ROOM WALL SHALL BE COORDINATED WITH, SUBMITTED TO, AND APPROVED BY THE STRUCTURAL ENGINEER BEFORE INSTALLATION

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

STATE OF ALABAMA LICENSED PROFESSIONAL ENGINEER No. 23369 06.06.22 JAMES B. EIRING

SHEET TITLE :	HVAC DETAILS
MCKEE JOB # :	21.184
PSCA # :	
DRAWN BY :	C. WARD
CHECKED BY :	T. ZGOUVAS
DATE:	06.01.2022
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CONSULTING ENGINEERS
800 S McDONOUGH STREET
MONTGOMERY, AL. 36104
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ZEA PROJECT NUMBER 22-143

SHEET NO. : M6

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EDEN OUTDOOR AIR AND EXHAUST CALCULATIONS

HP-A	Area	Peo/1000SF	# People	CFM/SF	Area CFM	CFM/Person	People CFM	Voz	Ez	# Fixtures	CFM/Fixt	CFM/SF	Min Exhaust	Supply Air	Zp EQ 4-5
BAND ROOM 105	2420	35	47	0.06	146	10	470	770	0.8				0	3900	0.197436
STORAGE 114	90	0	0	0.12	11	0	0	13.75	0.8				0	100	0.1375
Total			47		157		470								
NOTE: NUMBER OF PEOPLE BASED ON SEATING SHOWN							Cumulative CFM	783.75							

Max "Zp"	0.197436
"Ev"	0.9
"Vou" Total OSA EQ 4-6	783.75
Total Building Occupancy	85
Zone Occupancy	47
"D" from EQ 4-7	1.808511
"Vot" Equation 4-8	870.8333
TOTAL OSA	870.8333

EDEN OUTDOOR AIR AND EXHAUST CALCULATIONS

	Area	Peo/1000SF	# People	CFM/SF	Area CFM	CFM/Person	People CFM	Voz	Ez	# Fixtures	CFM/Fixt	CFM/SF	Min Exhaust	Supply Air	Zp EQ 4-5
CONNECTOR 112	220	0	0	0.06	14	0	0	17.5	0.8				0	0	0
CONNECTOR 113	380	0	0	0.06	23	0	0	28.75	0.8				0	0	0
Total					37		0								

EDEN OUTDOOR AIR AND EXHAUST CALCULATIONS

HP-B	Area	Peo/1000SF	# People	CFM/SF	Area CFM	CFM/Person	People CFM	Voz	Ez	# Fixtures	CFM/Fixt	CFM/SF	Min Exhaust	Supply Air	Zp EQ 4-5
CLASSROOM 108	1053	35	37	0.12	127	10	370	621.25	0.8				0	2120	0.293042
STORAGE 109	120	0	0	0.06	8	10	0	10	0.8				0	115	0.086957
REPAIR 110	106	5	1	0.06	7	5	5	15	0.8					115	0.130435
BOYS 103										2	70		140	125	0
GIRLS 101										2	70		140	125	0
JAN										1	70		70	0	0
CORRIDOR 111	390	0	0	0.06	24	10	0	30	0.8				0	400	0.075
Total			38		166		375								
							Cumulative CFM	676.25							

Max "Zp"	0.293042
"Ev"	0.8
"Vou" Total OSA EQ 4-6	541
Total Building Occupancy	76
Zone Occupancy	76
"D" from EQ 4-7	1
"Vot" Equation 4-8	676.25
TOTAL OSA	676.25

COOSA VALLEY OUTDOOR AIR AND EXHAUST CALCULATIONS

TYPICAL CLASSROOM HP-C	Area	Peo/1000SF	# People	CFM/SF	Area CFM	CFM/Person	People CFM	Voz	Ez	# Fixtures	CFM/Fixt	CFM/SF	Min Exhaust	Supply Air	Zp EQ 4-5
CLASSROOM 102	786	35	28	0.12	95	10	280	375	1				0	1200	0.3125
Total			28		95		280								
							Cumulative CFM	375							

COOSA VALLEY OUTDOOR AIR AND EXHAUST CALCULATIONS

	Area	Peo/1000SF	# People	CFM/SF	Area CFM	CFM/Person	People CFM	Voz	Ez	# Fixtures	CFM/Fixt	CFM/SF	Min Exhaust	Supply Air	Zp EQ 4-5
CORRIDOR 117	180	0	0	0.06	11	0	0	13.75	0.8				0	0	0
CONNECTOR 118	140	0	0	0.06	9	0	0	11.25	0.8				0	0	0
Total					20		0								
							Cumulative CFM	25							

COOSA VALLEY OUTDOOR AIR AND EXHAUST CALCULATIONS

HP-D	Area	Peo/1000SF	# People	CFM/SF	Area CFM	CFM/Person	People CFM	Voz	Ez	# Fixtures	CFM/Fixt	CFM/SF	Min Exhaust	Supply Air	Zp EQ 4-5
WORKROOM 111	190	25	5	0.06	12	5	25	46.25	0.8				0	350	0.132143
CORRIDOR 110	835	0	0	0.06	51	0	0	63.75	0.8				0	600	0.10625
BOYS 109										4	70		280	200	
GIRLS 105										4	70		280	200	
TOILET 112										1	70		70	50	
JAN 108										1	70		70		
Total			5		12		25								
							Cumulative CFM	110							

Max "Zp"	0.132143
"Ev"	1
"Vou" Total OSA EQ 4-6	110
Total Building Occupancy	0
Zone Occupancy	5
"D" from EQ 4-7	0
"Vot" Equation 4-8	110
TOTAL OSA	110

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
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631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

ALABAMA BOARD OF ENGINEERS
No. 23369
PROFESSIONAL
06.06.22
ENGINEER
T. ZGOUVAS EIRING

SHEET TITLE : HVAC O.A. CALCULATIONS

MCKEE JOB # : 21.184

PSCA # :

DRAWN BY : C. WARD

CHECKED BY : T. ZGOUVAS

DATE: 06.01.2022

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ZEA
ZGOUVAS, EIRING & ASSOCIATES
CONSULTING ENGINEERS
800 S McDONOUGH STREET
MONTGOMERY, AL. 36104
334.263.4406
ZEA PROJECT NUMBER 22-143

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ELECTRICAL LEGEND

CEILING OUTLETS

- RECESSED 2' X 4' LED FIXTURE MARK "A" CIRCUIT No. 2 TYPICAL
- RECESSED 2' X 4' LED FIXTURE MARK "A" CIRCUIT No. 2 TYPICAL "EMERGENCY POWER"
- RECESSED 1' X 4' LED FIXTURE MARK "A" CIRCUIT No. 2 TYPICAL
- RECESSED 1' X 4' LED FIXTURE MARK "A" CIRCUIT No. 2 TYPICAL "EMERGENCY POWER"
- RECESSED 2' X 2' LED FIXTURE MARK "A" CIRCUIT No. 2 TYPICAL
- RECESSED 2' X 2' LED FIXTURE MARK "A" CIRCUIT No. 2 TYPICAL "EMERGENCY POWER"
- SURFACE OR PENDANT MOUNTED LED STRIP FIXTURE MARK "FS" CIRCUIT No. 2 TYPICAL
- SURFACE OR PENDANT MOUNTED LED STRIP FIXTURE MARK "FS" CIRCUIT No. 2 TYPICAL "EMERGENCY POWER"
- RECESSED OR SURFACE MOUNT DOWNLIGHT
- RECESSED OR SURFACE MOUNT DOWNLIGHT "EMERGENCY POWER"
- SURFACE OR PENDANT MOUNTED ROUND FIXTURE
- JUNCTION BOX
- EXIT LIGHT
- EXHAUST FAN
- DUPLEX RECEPTACLE – 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT IN CEILING. UNLESS NOTED OTHERWISE UPPER RECEPTACLE NON CONTROLLED/LOWER RECEPTACLE CONTROLLED BY ROOM AUTOMATION SYSTEM. CONTROLLED RECEPTACLE SHALL BE MARKED WITH THE SYMBOL SHOWN IN NEC FIGURE 406.3 (E) AND LOCATED ON THE CONTROLLED RECEPTACLE OUTLET WHERE VISIBLE AFTER INSTALLATION.
- DUPLEX RECEPTACLE – 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. CEILING MOUNTED.

WALL OUTLETS

- WALL MOUNTED OCCUPANCY SENSOR WITH WIRE GUARD HUBBELL NO. LO-IR-WV (GYM)

1. ALL 120V RECEPTACLES ON THIS PROJECT SHALL BE TAMPER PROOF TYPE PER THE NATIONAL ELECTRIC CODE.

- WALL MOUNTED COMBO EXIT LIGHT/EMERGENCY
- WALL MOUNTED LIGHTING FIXTURE
- WALL MOUNTED LIGHTING FIXTURE "EMERGENCY POWER"
- BATTERY OPERATED EMERGENCY WALL PACK
- DUPLEX RECEPTACLE – 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
- DUPLEX RECEPTACLE – 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
- DUPLEX RECEPTACLE – 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE; PROVIDE WEATHERPROOF BOX FOR RECEPTACLE
- DUPLEX RECEPTACLE – 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 6" ABOVE COUNTER
- DUPLEX RECEPTACLE – 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 6" ABOVE COUNTER
- QUADRAPLEX RECEPTACLE – 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
- QUADRAPLEX RECEPTACLE – 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
- QUADRAPLEX RECEPTACLE – 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 6" ABOVE COUNTER UNLESS NOTED OTHERWISE
- DUPLEX RECEPTACLE – 20 AMP, 125 VOLT, GFI, 3 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 26" AFF TO C/L FOR DRINKING FOUNTAIN
- SINGLE RECEPTACLE – 30 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA L6-30R. MOUNT AS DIRECTED FOR RACK UPS SYSTEM
- SINGLE RECEPTACLE – 30 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA L6-30R. MOUNT AS DIRECTED FOR RACK UPS SYSTEM
- JUNCTION BOX SIZE NOTED OR REQUIRED, WITH BLANK SCREW COVER AND FLEXIBLE CONDUIT CONNECTION
- PHOTOCELL; TORK MODEL 5231 (120V), TWIST RECEPTACLE: TORK 2421.
- 250V RECEPTACLE; 4 WIRE; MT 14" A.F.F. TO C/L; NEMA 10-30R; HUBBELL SERIES 9350
- DUPLEX RECEPTACLE – 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT AS DIRECTED FOR INTERATIVE DISPLAY (SB)

BRANCH CIRCUITING

- RUN CONCEALED UNDER FLOOR OR IN GRADE
- RUN CONCEALED IN CEILING OR WALLS
- HOMERUN TO PANEL. ANY CIRCUIT WITHOUT FURTHER IDENTIFICATION INDICATES 2 #12, 1 #12 GROUND – 3/4" C; 3 #12, 1 #12 GROUND – 3/4" C; 4 #12, 1 #12 GROUND – 3/4" C; ETC. AS PER NEC. LETTERS AND NUMERALS INDICATE PANEL AND CIRCUIT NUMBER. (LA-1)
- HOMERUN TO PANEL. ANY CIRCUIT WITHOUT FURTHER IDENTIFICATION INDICATES 2 #10, 1 #10 GROUND – 3/4" C; 3 #10, 1 #10 GROUND – 3/4" C; 4 #10, 1 #10 GROUND – 1" C; ETC. AS PER NEC. LETTERS AND NUMERALS INDICATE PANEL AND CIRCUIT NUMBER. (LA-1)
- HOMERUN TO PANEL. ANY CIRCUIT WITHOUT FURTHER IDENTIFICATION INDICATES 2 #8, 1 #10 GROUND – 1" C; 3 #8, 1 #10 GROUND – 3/4" C; 4 #8, 1 #10 GROUND – 1 1/4" C; ETC. AS PER NEC. LETTERS AND NUMERALS INDICATE PANEL AND CIRCUIT NUMBER. (LA-1)
- WHERE A NUMBER IS SHOWN NEXT TO OR ON THE CIRCUIT OR HOMERUN, THE NUMBER INDICATES CONDUCTOR SIZE OTHER THAN #12 – NUMBER #6 CONDUCTORS INDICATED. PROVIDE GROUND SIZED PER NEC TABLE 250-95 FOR MAX AMPACITY OF CONDUCTOR SIZE AS SHOWN. SIZE CONDUIT PER NEC ANNEX C.
- LIQUID-TIGHT FLEXIBLE CONDUIT CONNECTION
- SURFACE MOUNTED CONDUIT; RUN PARALLEL OR PERPENDICULAR TO BUILDING LINES

TELEPHONE & TELEVISION SYSTEMS

- WALL COMMUNICATIONS OUTLET – SEE DETAILS ON SHEET E6.1
- WALL COMMUNICATIONS OUTLET – SEE DETAILS ON SHEET E6.1
- WALL COMMUNICATIONS OUTLET – SEE DETAILS ON SHEET E6.1
- WIRELESS ACCESS POINT – SEE DETAILS ON SHEET E6.1
- CCTV SECURITY CAMERA – SEE DETAILS ON SHEET E6.1
- COMMUNICATIONS FLOOR RACK

PANELS AND POWER

- PANELBOARD
- PANELBOARD FLUSH MOUNTED
- CON CONTROL PANEL
- NON-FUSIBLE DISCONNECT SWITCH; XX/YY/ZZ WHERE X INDICATES AMPERAGE, Y INDICATES # OF POLES, AND Z INDICATES NEMA RATING
- FUSIBLE DISCONNECT SWITCH; XX/YY/ZZ WHERE X INDICATES AMPERAGE, Y INDICATES # OF POLES, AND Z INDICATES NEMA RATING; FURNISH AND INSTALL FUSES PER MANUFACTURER'S RECOMMENDATIONS
- MOTOR FURNISHED BY OTHERS AND CONNECTED BY ELECTRICAL CONTRACTOR; '5' INDICATES HORSE POWER RATING
- CIRCUIT BREAKER
- NONFUSIBLE SWITCH
- FUSIBLE SWITCH
- DRAWOUT CONNECTION
- TRANSFORMER
- ENCLOSED CIRCUIT BREAKER
- ELECTRIC METER
- GROUNDING ELECTRODE CONNECTION
- GROUND BUSS

FIRE ALARM SYSTEM

- FACP FIRE ALARM SYSTEM CONTROL PANEL
- ANN FIRE ALARM SYSTEM REMOTE ANNUNCIATOR – FLUSH MOUNTING
- FIRE ALARM SYSTEM MANUAL PULL STATION
- FIRE ALARM SYSTEM VOICE EVAC SPEAKER/STROBE,
- WEATHERPROOF FIRE ALARM SYSTEM SIGNAL HORN;
- FIRE ALARM SYSTEM STROBE;
- FIRE ALARM SYSTEM TAMPER SWITCH
- FIRE ALARM SYSTEM FLOW SWITCH
- FIRE ALARM SYSTEM AUTOMATIC HEAT DETECTOR; 135 DEGREE/RATE OF RISE TYPE; CEILING MOUNTED
- FIRE ALARM SYSTEM AUTOMATIC SMOKE DETECTOR; CEILING MOUNTED
- FIRE ALARM SYSTEM AUTOMATIC SMOKE DETECTOR WITH CO DETECTOR BASE; CEILING MOUNTED
- FIRE ALARM SYSTEM AUTOMATIC AIR DUCT SMOKE DETECTOR MOUNTED IN MECHANICAL DUCT
- RT FIRE ALARM SYSTEM REMOTE TEST STATION
- ZC FIRE ALARM SYSTEM ZONE MODULE, CONTROL TYPE
- ZM FIRE ALARM SYSTEM ZONE MODULE, MONITOR TYPE
- FIRE ALARM SYSTEM SUPERVISED CIRCUITING IN CONDUIT, RACEWAY INSTALLED CONCEALED
- FIRE ALARM SYSTEM MAGNETIC DOOR HOLDERS

WALL SWITCHES (UNLESS OTHERWISE NOTED, MOUNT 48" A.F.F.)

- S A.C. TYPE, SINGLE POLE, 20 AMP, 120/277 VOLT
- S_3 A.C. TYPE, 3-WAY, 20 AMP, 120/277 VOLT
- S_M MOTOR RATED TOGGLE SWITCH DISCONNECT, WITH THERMAL OVERLOADS A.C. TYPE, 20 AMP, 120/277 VOLT
- 30/1 S_M MOTOR RATED TOGGLE SWITCH DISCONNECT, WITH THERMAL OVERLOADS A.C. TYPE, 30 AMP, 120/277 VOLT
- S_T PRESET INTERVAL TIMER SWITCH, HUBBELL TD-300 SERIES OR EQUALS
- PUSH BUTTON, TOGGLE SWITCH, ROTARY SWITCH, ETC., FURNISHED WITH EQUIPMENT BY OTHERS, AND INSTALLED AND WIRED BY THE ELECTRICAL CONTRACTOR.

MISCELLANEOUS

A	AMPERE
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISH FLOOR
AIC	AMPERE INTERRUPTING CAPACITY
ATS	AUTOMATIC TRANSFER SWITCH
C	CONDUIT
CL	CENTER LINE
CWP	COLD WATER PIPE
EM	EMERGENCY
EMT	ELECTRIC METALLIC TUBING
GFI	GROUND FAULT INTERRUPTER
GRC	GALVANIZED RIGID METAL CONDUIT
GRD	GROUND
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MLO	MAIN LUGS ONLY
MT	MOUNT
N	NEUTRAL
NIC	NOT IN CONTRACT
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOC.
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NL	NIGHT LIGHT
NTS	NOT TO SCALE
P	POLE
PF	POWER FACTOR
PH	PHASE
PNL	PANEL
PVC	PVC (POLYVINYL CHLORIDE) CONDUIT
SLD	SINGLE LINE DIAGRAM
TBB	TELEPHONE BACKBOARD
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSORS
UL	UNDERWRITER'S LABORATORY
U.N.O.	UNLESS NOTED OTHERWISE
V	VOLTAGE
W	WIRE
WP	WEATHERPROOF
#	NUMBER
3R	NEMA 3R WEATHERPROOF ENCLOSURE
4X	NEMA 4X WEATHERPROOF/CORROSION ENCLOSURE

MISCELLANEOUS EQUIPMENT

- C CONTACTOR
- EXTERIOR POLE LIGHT
- WH WATER HEATER
- MON SCREEN MONITOR

LIGHTING CONTROLS

- OS CEILING MOUNTED OCCUPANCY SENSOR
- PP POWER PACK FOR OCCUPANCY SENSOR
- L1 ROOM CONTROLLER – 1 ZONE DIMMING
- L2 ROOM CONTROLLER – 2 ZONE DIMMING
- LE ROOM CONTROLLER – EMERGENCY LIGHTING UL924 DEVICE
- RC ROOM CONTROLLER – ON/OFF NO DIMMING
- D1 WALL DIMMER – ON/OFF & 0-10V 1-ZONE DIMMING
- D2 WALL DIMMER – ON/OFF & 0-10V 2-ZONE DIMMING
- S_L LOW VOLTAGE SWITCH, 2-BUTTON
- S_{LX} LOW VOLTAGE SWITCH CONNECTED TO LIGHITNG CONTROL PANEL, 2-BUTTON
- S_{O1} OCCUPANCY SENSOR WALL SWITCH, ULTRASONIC TECHNOLOGY, 1-BUTTON SIMILAR TO HUBBELL LIGHT HAWK 2

*COORDINATE WITH LIGHTING CONTROL DETAILS FOR MORE REQUIREMENTS

GENERAL ELECTRICAL NOTES:

1. THERE ARE DIFFERENT SERVICE VOLTAGES TO EACH FACILITY.
2. INSTALLATION SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE, STATE AND LOCAL CODES, AND MANUFACTURER'S RECOMMENDATIONS.
3. MAINTAIN ALL CLEARANCES FOR ELECTRICAL EQUIPMENT PER THE NEC.
4. COORDINATE ROUGH-IN OF ALL ELECTRICAL DEVICES WITH ARCHITECTURAL FLOOR PLANS, ELEVATIONS AND MILLWORK SHOP DRAWINGS PRIOR TO ROUGH-IN. AVOID ALL BACKSPLASHES AT COUNTERS.
5. ALL DIMENSIONS INDICATED IN THESE DOCUMENTS ARE FOR REFERENCE AND COORDINATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS IN THE FIELD, AND COORDINATING WORK WITH OTHER TRADES TO AVOID CONFLICTS.
6. VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL BEFORE ROUGH-IN OF LIGHT SWITCHES TO ENSURE PROPER SWITCH LOCATION.
7. THE LOCATION OF OUTLETS, FIXTURES, AND EQUIPMENT SHOWN ON THE DRAWINGS ARE APPROXIMATE, OFFSET AS NEEDED OR AS REQUESTED BY THE OWNER. THE OWNER SHALL HAVE THE RIGHT TO RELOCATE ANY OUTLETS OR FIXTURES BEFORE THEY ARE INSTALLED WITHOUT ANY ADDITIONAL COST.
8. COORDINATE EXACT LOCATION OF ALL ELECTRICAL FLOOR DEVICES WITH ARCHITECT PRIOR TO INSTALLATION.
9. ALL CONDUIT SIZE SHALL BE A MINIMUM 3/4" UNLESS NOTED OTHERWISE IN THE DRAWINGS OR SPECIFICATIONS.
10. ALL ELECTRICAL RACEWAYS AND CABLING SHALL BE INSTALLED CONCEALED WITHIN THE CONFINES OF THE BUILDING FOUNDATIONS EXCEPT THOSE SPECIFICALLY SERVING LOADS OR EQUIPMENT EXTERIOR OF THE BUILDING. ALL SUCH RACEWAYS SHALL BE A MINIMUM 18" INSIDE FOUNDATIONS AND POWER AND COMMUNICATIONS RACEWAYS SHALL BE SEPARATED BY A MINIMUM 18".
11. ALL CONDUITS INSTALLED UNDERFLOOR SHALL BE ROUTED UNDER STRUCTURAL CONCRETE FLOOR SLABS. CONTRACTOR SHALL NOT INSTALL CONDUITS IN CONCRETE FLOORING WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE STRUCTURAL ENGINEER. CONDUITS PENETRATING THRU CONCRETE FLOORS SHALL ADHERE TO THE ELECTRICAL SPECIFICATIONS AND RECOMMENDATIONS OF THE STRUCTURAL ENGINEER.
12. ALL RACEWAYS INSTALLED ON EXTERIOR OF THE BUILDING, INCLUDING CONDUIT UNDER CANOPIES, SHALL BE GRC. EMT WILL NOT BE ACCEPTED.
13. ALL RACEWAYS SHALL BE SUPPORTED PER NEC AND AT LEAST EVERY 10' AND WITHIN 3' OF EVERY JUNCTION BOX. RACEWAYS SUPPORTED ON BOTTOM OF SECONDARY CEILING SHALL BE SUPPORTED FROM THE STRUCTURE NOT FROM THE GYPBOARD CEILING.
14. ALL EMPTY WALL MOUNTED JUNCTION BOXES SHALL BE PROVIDED WITH A WALL BLANK AND ALL EMPTY RACEWAYS SHALL BE PROVIDED WITH A PULL WIRES.
15. PROVIDE ALL CONDUIT STUBS WITH A PROTECTIVE COLLAR.
16. INSURE THAT ALL PENETRATIONS OF FIRE WALLS AND DECKS ARE PROPERLY SEALED PER INTERNATIONAL BUILDING CODE 712 AND WITH AN UL APPROVED DEVICE OR FIRE CAULK. REFER TO ARCHITECTURAL PLANS FOR THE LOCATIONS OF RATED FIRE WALLS AND UL ASSEMBLY LOCATIONS AND TYPES AND BID ACCORDINGLY.
17. PROVIDE A CONDUIT EXPANSION JOINTS WITH BONDING JUMPER IN ALL CONDUITS CROSSING AN EXPANSION JOINT. REFER TO ARCHITECTURAL DRAWINGS FOR EXPANSION JOINT LOCATIONS.
18. ALL UNDERGROUND CONDUITS RUNS ENTERING THE BUILDING SHALL BE SEALED TO PREVENT THE ENTRANCE OF MOISTURE.
19. ALL FLEXIBLE CONDUITS ON THE EXTERIOR, IN WET LOCATIONS OR ANY MECHANICAL ROOM SHALL BE LIQUID TIGHT WITH SUITABLE FITTINGS.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEALING AROUND DEVICES, PENETRATIONS, OUTLETS, AND CONDUITS THAT PENETRATE THE WALLS ABOVE THE CEILING TO MAINTAIN SOUNDPROOFING. CONTRACTOR SHALL VERIFY THAT THE OPENINGS SIZES ARE LESS THAN 1/2" ON ALL SIDES OF THE PENETRATIONS. ALL OPENINGS IN EXCESS OF 1/2" SHALL BE CAULKED/SEALED WITH SHEET ROCK MUD. THE DRYWALL CONTRACTOR SHALL BE RESPONSIBLE FOR SEALING PENETRATIONS IN PLACE WHEN THE SHEETROCK ARE INSTALLED. PENETRATIONS MADE AFTER THE DRYWALL CONTRACTOR HAS FINISHED IN AN AREA SHALL BE SEALED BY THE CONTRACTOR MAKING THE PENETRATION.
21. PLANNED INTERRUPTIONS OF UTILITY SERVICE TO ANY EXISTING FACILITY OR AREAS WITHIN ANY FACILITY AFFECTED BY THIS CONTRACT, SHALL BE CAREFULLY PLANNED AND COORDINATED IN ADVANCE OF THE REQUESTED INTERRUPTION. THE CONTRACTOR SHALL NOT INTERRUPT SERVICES UNTIL SPECIFIED APPROVAL HAS BEEN GRANTED. THE REQUEST SHALL INDICATE SERVICES AND AREAS TO BE AFFECTED, DATE AND TIME OF INTERRUPTION AND DURATION OF OUTAGE. REQUEST FOR INTERRUPTION OF SERVICE WILL NOT BE APPROVED UNTIL ALL EQUIPMENT AND MATERIAL REQUIRED FOR THE COMPLETION OF THAT PARTICULAR PHASE OF WORK ARE ON THE JOB SITE. CONTRACTOR IS RESPONSIBLE FOR ALL OVERTIME, HOLIDAY, AND WEEKEND PAY TO THEIR EMPLOYEES TO DO THIS WORK DURING SCHEDULED NON-NORMAL WORK HOURS.
22. BUILDING OWNER MUST RECEIVE RECORD DRAWINGS AND MANUALS THAT PROVIDE INSTRUCTIONS ABOUT THE OPERATION AND MAINTENANCE OF THE BUILDING'S ELECTRICAL DISTRIBUTION SYSTEM.
23. CONTRACTOR IS RESPONSIBLE FOR PROPER SENSITIVITY AND TIME DELAY SETTINGS FOR OCCUPANCY SENSORS. PROVIDE PROPER NUMBER OF POWER PACKS AND LOCATE POWER PACKS AND OCCUPANCY SENSORS ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
24. ALL JUNCTION BOX COVERS ABOVE THE CEILING SHALL BE CLEARLY MARKED WITH WHICH CIRCUITS OR ELECTRICAL SYSTEM THEY CONTAIN.
25. HVAC EQUIPMENT POWER WIRING SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR. CONTROL EQUIPMENT AND CONTROL WIRING SHALL BE FURNISHED UNDER DIVISION 15 UNLESS OTHERWISE NOTED. PROVIDE 3/4" CONDUITS WITH PULL WIRE BETWEEN INSIDE AND OUTSIDE UNITS, THERMOSTAT OUTLETS AND UNITS AND/OR MECHANICAL CONTROL PANEL AS APPLICABLE. THERMOSTAT OUTLETS SHALL BE 4" SQUARE OUTLETS, FLUSH MOUNTED WITH SINGLE GANG OR DOUBLE GANG PLASTER RINGS AS DIRECTED BY THE HVAC CONTRACTOR. COORDINATE EXACT LOCATION OF ALL EQUIPMENT, DEVICES, OUTLETS, ETC, WITH THE MECHANICAL DRAWINGS AND DIVISION 15 SPECIFICATIONS. COORDINATE WITH THE HVAC CONTRACTOR FOR EXACT LOCATIONS OF ALL EQUIPMENT.

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

ALABAMA REGISTERED PROFESSIONAL ENGINEER — KENNETH RAY GUNN JR. — 06-09-2022

SHEET TITLE: ELECTRICAL LEGEND & NOTES

MCKEE JOB #: 21.184

PSCA #:

DRAWN BY: J. TILLERY

DATE: 06.09.2022

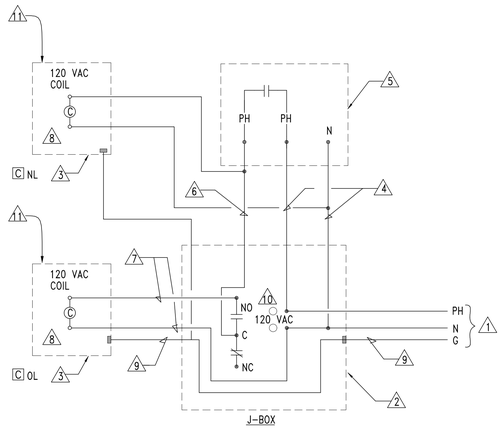
REVISED DATE:

REVISED DATE:

REVISED DATE:

Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14, Millbrook, AL 36054, Tel: 334.285.1273
1200 Providence Park, Suite 200, Birmingham, AL 35242
GA#22-134

SHEET NO.: E0.1



2 E2.4 DETAIL - TYPICAL OPERATION OF TIME SWITCH/PHOTO-CELL/CONTACTOR
NO SCALE

KEYED NOTES

1. POWER SUPPLY - 120V, 1PH, 60HZ
2. TIME SWITCH ENCLOSURE - NEMA 1 UNLESS NOTED OTHERWISE
3. CONTACTOR ENCLOSURE - NEMA 1 UNLESS NOTED OTHERWISE
4. POWER TAP TO PHOTO-CELL IN GRC
5. TURN-LOCK PHOTO-CELL, SEE DETAIL
6. SWITCH LEG RETURN IN GRC
7. POWER TO CONTACTOR COIL
8. LIGHTING CONTACTOR C NL & C OL AS FOLLOWS:
   - NEMA ICS 2-211B INDUSTRIAL DUTY TYPE
   - ELECTRICALLY OPERATED-ELECTRICALLY HELD
   - RATING AND NUMBER OF POLES INDICATED
   - CONTACTS SHALL BE SILVER ALLOY, DOUBLE-BREAK, SUITABLE FOR TUNGSTEN, BALLAST LIGHTING, RESISTANCE AND MOTOR LOADS
   - FUSING FOR CONTROL CIRCUIT
9. GROUND CONDUCTOR - BOND TO EACH ENCLOSURE AND INSTALL IN EACH CONDUIT SYSTEM
10. DIGITAL TIME SWITCH AS FOLLOWS:
    - ONE CHANNEL WITH 24 HOUR, SEVEN DAY PROGRAMMING AND SKIP-A-DAY FEATURE
    - INPUT: 120 VAC, 60HZ
    - OUTPUT: DPST DRY CONTACTS (UNPOWERED)
    - HEAVY DUTY CONTACTS RATED 20 AMPERE RESISTIVE AT 120 VAC
    - TEMPERATURE RANGE: -20 TO +60 DEGREES CELSIUS
    - RELATIVE HUMIDITY: 0 TO 90% RH
    - CLOCK ACCURACY: ±2 MINUTES PER YEAR
    - LED INDICATION OF TIME AND LOAD STATUS
    - FULL WEEK'S RESERVE POWER (BATTERY BACK-UP)
11. PROVIDE NUMBER OF POLES REQUIRED.

COMcheck Software Version 4.1.5.1

Interior Lighting Compliance Certificate

Project Information

Energy Code: 90.1 (2013) Standard
Project Title: EDEN ELEMENTARY SCHOOL
Project Type: New Construction

Construction Site:
Owner/Agent: MCKEE & ASSOCIATES
Designer/Contractor: JASON TILLERY, GUNN & ASSOCIATES, MILLBROOK, AL

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-ELEMENTARY SCHOOL (Common Space Types:Classroom/Lecture/Training)	6812	1.24	8199
		Total Allowed Watts =	8199

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
1-ELEMENTARY SCHOOL (Common Space Types:Classroom/Lecture/Training)				
LG48: Other	3	14	38	532
LG60 & LS2: Other	3	13	45	585
LG72: Other	3	33	76	2508
LG22: Other	3	3	28	84
			Total Proposed Watts =	3709

Interior Lighting PASSES: Design 55% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 90.1 (2013) Standard requirements in COMcheck Version 4.1.5.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Jason Tillery - Elect. Designer — Signature — 5/31/22
Name - Title — Signature — Date

Project Title: EDEN ELEMENTARY SCHOOL — Report date: 05/31/22
Data Filename: N:\2022\22-134 EDEN ES & COOSA VALLEY ES - STORM SHELTERS\Correspondence\EDEN ES ENERGY STUDY.cck — Page 1 of 6

COMcheck Software Version 4.1.5.1

Exterior Lighting Compliance Certificate

Project Information

Energy Code: 90.1 (2013) Standard
Project Title: EDEN ELEMENTARY SCHOOL
Project Type: New Construction
Exterior Lighting Zone: 1 (Developed rural area)

Construction Site:
Owner/Agent: MCKEE & ASSOCIATES
Designer/Contractor: JASON TILLERY, GUNN & ASSOCIATES, HILLBROOK, AL

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Walkway < 10 feet wide	900 ft of	0.7	Yes	630
			Total Tradable Watts (a) =	630
			Total Allowed Watts =	630
			Total Allowed Supplemental Watts (b) =	500

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 500 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Walkway < 10 feet wide (900 ft of walkway length): Tradable Wattage				
LED 2: Other	1	9	45	405
			Total Tradable Proposed Watts =	405

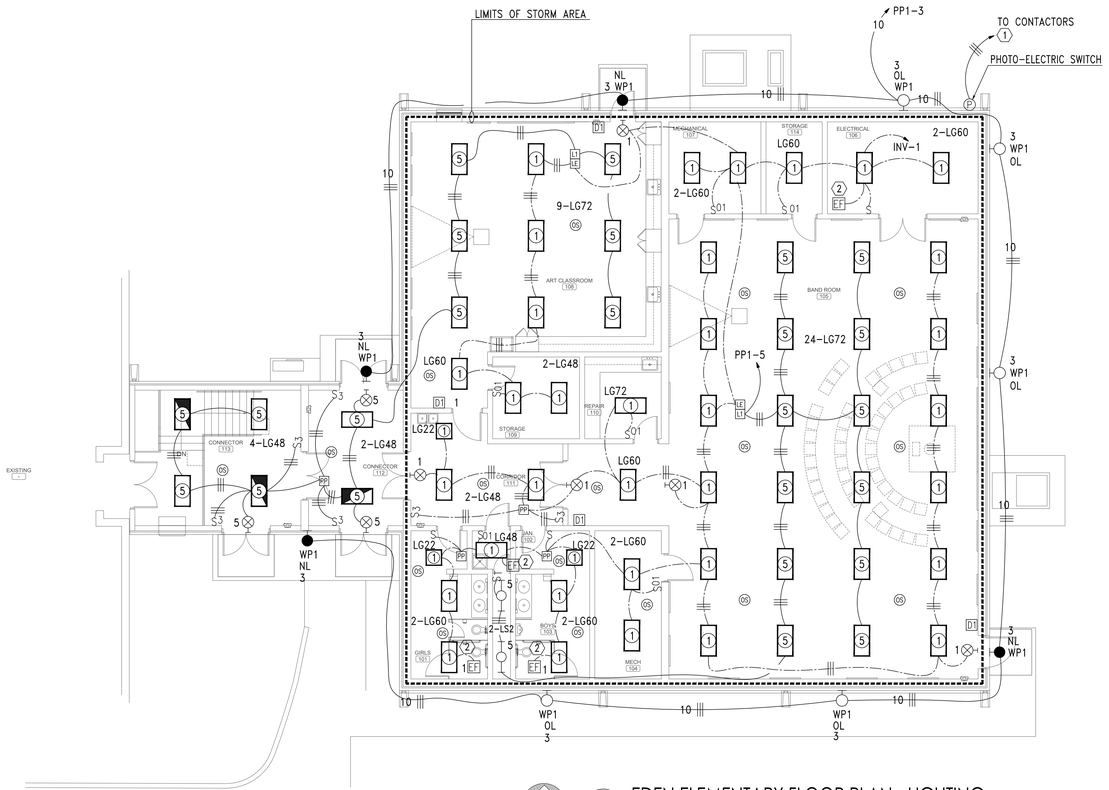
Exterior Lighting PASSES: Design 64% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 90.1 (2013) Standard requirements in COMcheck Version 4.1.5.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Jason Tillery - Elect. Designer — Signature — 5/31/22
Name - Title — Signature — Date

Project Title: EDEN ELEMENTARY SCHOOL — Report date: 05/31/22
Data Filename: N:\2022\22-134 EDEN ES & COOSA VALLEY ES - STORM SHELTERS\Correspondence\EDEN ES ENERGY STUDY.cck — Page 2 of 6



N

1 E2.1 EDEN ELEMENTARY FLOOR PLAN - LIGHTING
SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. PROVIDE DEDICATED NEUTRALS FOR EACH MULTIWIRE HOMERUN PER NEC.
2. COORDINATE WITH LIGHTING CONTROL DETAILS FOR ADDITIONAL REQUIREMENTS.
3. COORDINATE WITH POWER PLANS FOR RECEPTACLE ROOM CONTROLLERS REQUIRED TO CONTROL RECEPTACLE CIRCUITRY.
4. LIGHTING CONTROLS TO COMBINE EMERGENCY INVERTER CIRCUIT WITH NORMAL POWER SO THAT EACH ROOM WORKS AS ONE SYSTEM. UPON POWER FAILURE THE UL 924 DEVICE TO BRING INVERTER CIRCUITS BACK TO 100%.
5. SEE LIGHTING CONTROL DETAILS ON SHEET E2.6 FOR ADDITIONAL REQUIREMENTS.

SHEET NOTES:

1. ROUTE EXTERIOR LIGHTING CIRCUITS THRU CONTACTORS AS SHOWN IN DETAIL 2. "NL' DESIGNATES LIGHTS ARE PHOTOCELL ON/PHOTOCELL OFF. "OL" DESIGNATES PHOTOCELL ON/TIMECLOCK OFF.
2. PROVIDE INTERCONNECTING RELAY TRANSFORMER TO CONTROL 120V EXHAUST FAN ON/OFF BY THE 277 VOLT LIGHTING CIRCUIT IN THIS ROOM. TRANSFORMER SHALL BE 277V INPUT, 120V OUTPUT, 1,000 VA.

ROOM CONTROLLER NOTES:

1. CONTRACTOR SHALL LOCATE ALL ROOM CONTROLLERS ABOVE DOORS IN EACH ROOM 6" ABOVE CEILING GRID. PROVIDE ACCESS PANELS WHERE LOCATED ABOVE HARD CEILINGS OR MOUNT IN UTILITY TYPE ROOMS WHENEVER POSSIBLE. ROOM CONTROLLERS SHOWN ON THIS PLAN IS DIAGRAMMATIC FOR CIRCUITRY. DO NOT USE THESE FOR ACTUAL LOCATIONS. PROVIDE A WHITE PHENOLIC LABLEL WITH 1" BLACK TEXT THAT READS "RC" GLUED ON CEILING GRID UNDER POWER PACK FOR EACH LOCATION FOR FUTURE MAINTENANCE.

PHOTOCONTROL OF LIGHTING:

1. PHOTOCONTROL OF LIGHT FIXTURES WILL NOT BE REQUIRED FOR THE AREAS ON THIS PAGE. THE PRIMARY SIDELIGHTED AREA WILL NOT HAVE WATTAGES EXCEEDING 150W.

STORM SHELTER:
CONTRACTOR SHALL INSTALL ALL CONDUITS ENTERING OR EXITING THE STORM SHELTER UNDERGROUND SUCH THAT THEY DO NOT PENETRATE THE STORM SHELTER WALLS OR CEILING. IF A PENETRATION IS REQUIRED, THEN THERE SHALL BE NO PENETRATION GREATER THAN OR EQUAL TO 2" OR ABOVE. ALL PENETRATIONS SHALL CONFORM TO ICC 500.

1/8" = 1'-0
8' 0 8 16 FT
GRAPHIC SCALE

Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14
Millbrook, AL 36054
Tel: 334.285.1273
1200 Providence Park, Suite 200
Birmingham, AL 35242
GA#22-134

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

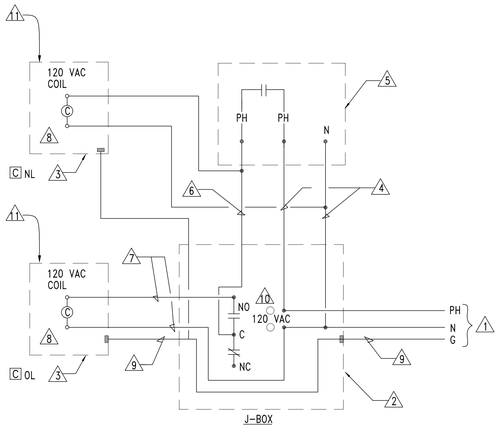
ALABAMA REGISTERED PROFESSIONAL ARCHITECT
NO. 2608
06-09-2022
KENNETH RAY McKEE JR.

SHEET TITLE : EDEN ELEMENTARY FLOOR PLAN - LIGHTING

MCKEE JOB # : 21.184
PSCA # :
DRAWN BY : J. TILLERY
DATE: 06.09.2022
REVISED DATE:
REVISED DATE:
REVISED DATE:

SHEET NO. : E2.1

Thursday, June 9, 2022 6:20:06 PM



2 DETAIL - TYPICAL OPERATION OF TIME SWITCH/PHOTO-CELL/CONTACTOR
E2.4
NO SCALE

KEYED NOTES

1. POWER SUPPLY – 120V, 1PH, 60HZ
2. TIME SWITCH ENCLOSURE – NEMA 1 UNLESS NOTED OTHERWISE
3. CONTACTOR ENCLOSURE – NEMA 1 UNLESS NOTED OTHERWISE
4. POWER TAP TO PHOTO-CELL IN GRC
5. TURN-LOCK PHOTO-CELL, SEE DETAIL
6. SWITCH LEG RETURN IN GRC
7. POWER TO CONTACTOR COIL
8. LIGHTING CONTACTOR C NL & C OL AS FOLLOWS:
   - NEMA ICS 2-211B INDUSTRIAL DUTY TYPE
   - ELECTRICALLY OPERATED-ELECTRICALLY HELD
   - RATING AND NUMBER OF POLES INDICATED
   - CONTACTS SHALL BE SILVER ALLOY, DOUBLE-BREAK, SUITABLE FOR TUNGSTEN, BALLAST LIGHTING, RESISTANCE AND MOTOR LOADS
   - FUSING FOR CONTROL CIRCUIT
9. GROUND CONDUCTOR – BOND TO EACH ENCLOSURE AND INSTALL IN EACH CONDUIT SYSTEM
10. DIGITAL TIME SWITCH AS FOLLOWS:
    - ONE CHANNEL WITH 24 HOUR, SEVEN DAY PROGRAMMING AND SKIP-A-DAY FEATURE
    - INPUT: 120 VAC, 60HZ
    - OUTPUT: DPST DRY CONTACTS (UNPOWERED)
    - HEAVY DUTY CONTACTS RATED 20 AMPERE RESISTIVE AT 120 VAC
    - TEMPERATURE RANGE: -20 TO +60 DEGREES CELSIUS
    - RELATIVE HUMIDITY: 0 TO 90% RH
    - CLOCK ACCURACY: ±2 MINUTES PER YEAR
    - LED INDICATION OF TIME AND LOAD STATUS
    - FULL WEEK'S RESERVE POWER (BATTERY BACK-UP)
11. PROVIDE NUMBER OF POLES REQUIRED.

COMcheck Software Version 4.1.5.1

Interior Lighting Compliance Certificate

Project Information

Energy Code: 90.1 (2013) Standard
Project Title: COOSA VALLEY ELEMENTARY SCHOOL
Project Type: New Construction

Construction Site:
Owner/Agent: MCKEE & ASSOCIATES
Designer/Contractor: JASON TILLERY, GUNN & ASSOCIATES, MILLBROOK, AL

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-ELEMENTARY SCHOOL (Common Space Types:Classroom/Lecture/Training)	6739	1.24	8356
		Total Allowed Watts =	8356

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
1-ELEMENTARY SCHOOL (Common Space Types:Classroom/Lecture/Training)				
LG48: Other:	1	20	38	760
LG60: Other:	1	7	45	315
LG72: Other:	1	32	76	2432
LG22: Other:	1	4	28	112
		Total Proposed Watts =		3619

Interior Lighting PASSES: Design 57% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 90.1 (2013) Standard requirements in COMcheck Version 4.1.5.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Jason Tillery - Elect. Designer — Name + Title; Signature; 5/31/22 Date

Project Title: COOSA VALLEY ELEMENTARY SCHOOL — Report date: 05/31/22
Data filename: N:\2022\22-134 EDEN ES & COOSA VALLEY ES - STORM SHELTERS\Correspondence\COOSA VALLEY ES ENERGY STUDY.cck — Page 1 of 6

COMcheck Software Version 4.1.5.1

Exterior Lighting Compliance Certificate

Project Information

Energy Code: 90.1 (2013) Standard
Project Title: COOSA VALLEY ELEMENTARY SCHOOL
Project Type: New Construction
Exterior Lighting Zone: 1 (Developed rural area)

Construction Site:
Owner/Agent: MCKEE & ASSOCIATES
Designer/Contractor: JASON TILLERY, GUNN & ASSOCIATES, MILLBROOK, AL

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Walkway < 10 feet wide	900 ft of...	0.7	Yes	630
			Total Tradable Watts (a) =	630
			Total Allowed Watts =	630
			Total Allowed Supplemental Watts (b) =	500

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 500 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Walkway < 10 feet wide (900 ft of walkway length), Tradable Wattage				
LED 2: Other:	1	8	45	360
LED 3: Other:	1	1	35	35
		Total Tradable Proposed Watts =		395

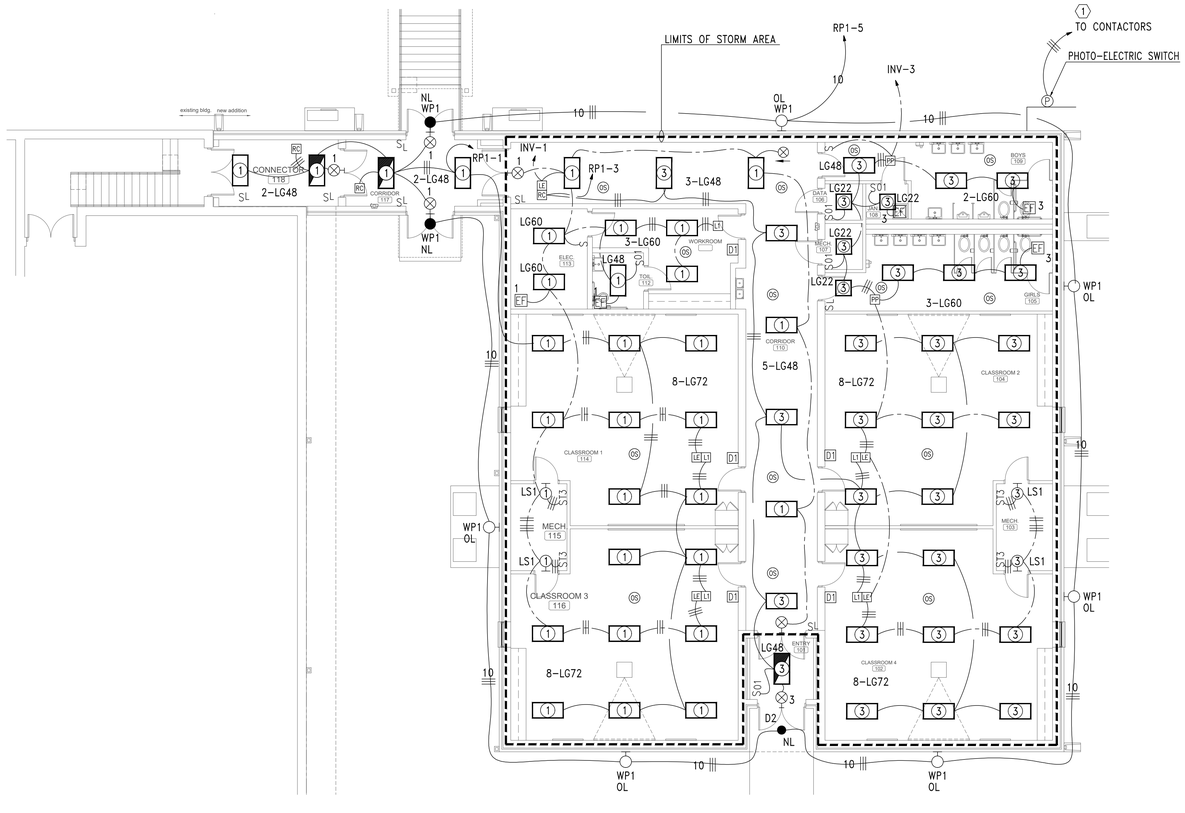
Exterior Lighting PASSES: Design 65% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 90.1 (2013) Standard requirements in COMcheck Version 4.1.5.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Jason Tillery - Elect. Designer — Name + Title; Signature; 5/31/22 Date

Project Title: COOSA VALLEY ELEMENTARY SCHOOL — Report date: 05/31/22
Data filename: N:\2022\22-134 EDEN ES & COOSA VALLEY ES - STORM SHELTERS\Correspondence\COOSA VALLEY ES ENERGY STUDY.cck — Page 2 of 6



N

1 COOSA VALLEY FLOOR PLAN - LIGHTING
E2.2
SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. PROVIDE DEDICATED NEUTRALS FOR EACH MULTIWIRE HOMERUN PER NEC.
2. COORDINATE WITH LIGHTING CONTROL DETAILS FOR ADDITIONAL REQUIREMENTS.
3. COORDINATE WITH POWER PLANS FOR RECEPTACLE ROOM CONTROLLERS REQUIRED TO CONTROL RECEPTACLE CIRCUITRY.
4. LIGHTING CONTROLS TO COMBINE EMERGENCY INVERTER CIRCUIT WITH NORMAL POWER SO THAT EACH ROOM WORKS AS ONE SYSTEM. UPON POWER FAILURE THE UL 924 DEVICE TO BRING INVERTER CIRCUITS BACK TO 100%.
5. SEE LIGHTING CONTROL DETAILS ON SHEET E2.6 FOR ADDITIONAL REQUIREMENTS.

SHEET NOTES:

1. ROUTE EXTERIOR LIGHTING CIRCUITS THRU CONTACTORS AS SHOWN IN DETAIL 2. "NL' DESIGNATES LIGHTS ARE PHOTOCELL ON/PHOTOCELL OFF. "OL" DESIGNATES PHOTOCELL ON/TIMECLOCK OFF.

ROOM CONTROLLER NOTES:

1. CONTRACTOR SHALL LOCATE ALL ROOM CONTROLLERS ABOVE DOORS IN EACH ROOM 6" ABOVE CEILING GRID. PROVIDE ACCESS PANELS WHERE LOCATED ABOVE HARD CEILINGS OR MOUNT IN UTILITY TYPE ROOMS WHENEVER POSSIBLE. ROOM CONTROLLERS SHOWN ON THIS PLAN IS DIAGRAMMATIC FOR CIRCUITRY. DO NOT USE THESE FOR ACTUAL LOCATIONS. PROVIDE A WHITE PHENOLIC LABLEL WITH 1" BLACK TEXT THAT READS "RC" GLUED ON CEILING GRID UNDER POWER PACK FOR EACH LOCATION FOR FUTURE MAINTENANCE.

PHOTOCONTROL OF LIGHTING:

1. PHOTOCONTROL OF LIGHT FIXTURES WILL NOT BE REQUIRED FOR THE AREAS ON THIS PAGE. THE PRIMARY SIDELIGHTED AREA WILL NOT HAVE WATTAGES EXCEEDING 150W.

STORM SHELTER:
CONTRACTOR SHALL INSTALL ALL CONDUITS ENTERING OR EXITING THE STORM SHELTER UNDERGROUND SUCH THAT THEY DO NOT PENETRATE THE STORM SHELTER WALLS OR CEILING. IF A PENETRATION IS REQUIRED, THEN THERE SHALL BE NO PENETRATION GREATER THAN OR EQUAL TO 2" OR ABOVE. ALL PENETRATIONS SHALL CONFORM TO ICC 500.

1/8" = 1'-0
8' 0 8 16 FT
GRAPHIC SCALE

Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14
Millbrook, AL 36054
Tel: 334.285.1273
1200 Providence Park, Suite 200
Birmingham, AL 35242
GA#22-134

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

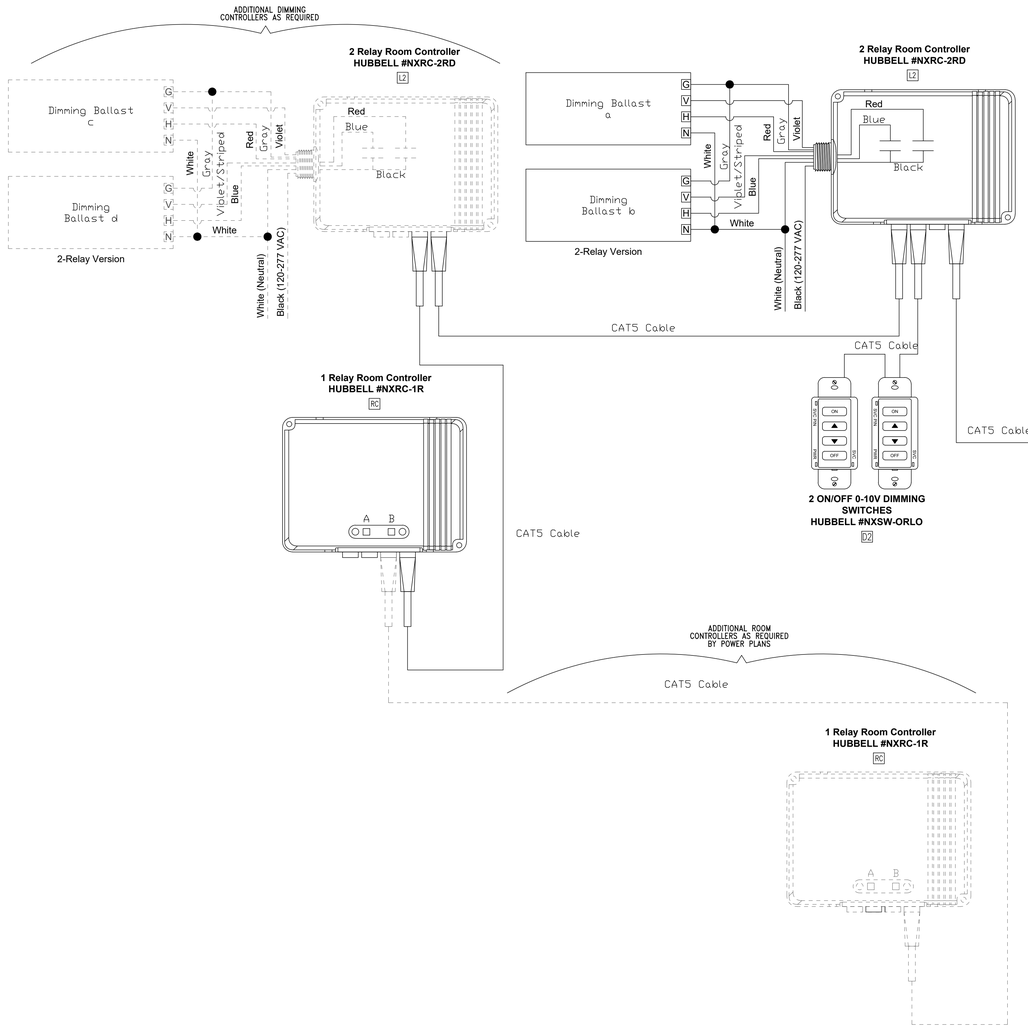
ALABAMA REGISTERED ARCHITECT NO. 2695 PROFESSIONAL SEAL KENNETH RAY GUNN 06-09-2022

SHEET TITLE : COOSA VALLEY FLOOR PLAN - LIGHTING

MCKEE JOB # : 21.184
PSCA # :
DRAWN BY : J. TILLERY
DATE: 06.09.2022
REVISED DATE:
REVISED DATE:
REVISED DATE:

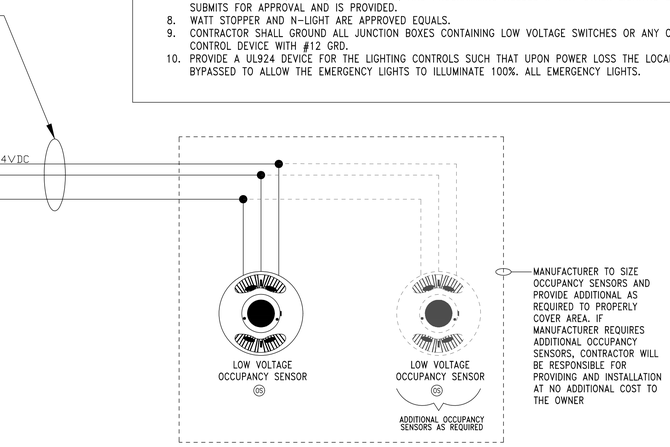
SHEET NO. : E2.2

- Thursday, June 9, 2022 10:06:23 AM



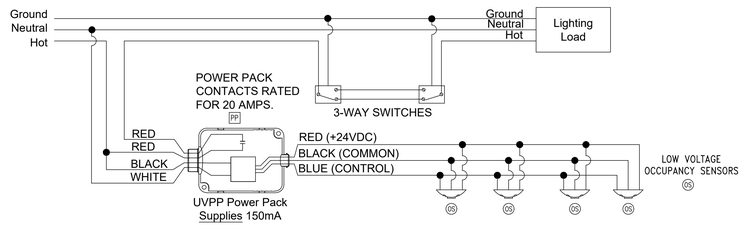
1 E2.3 TYPICAL MULTIPLE OCCUPANCY SENSOR, PHOTOCELL, MULTIPLE 0-10V DIMMING ZONES, AND MULTIPLE ROOM RECEPTACLE CONTROLLER DETAIL

NO SCALE



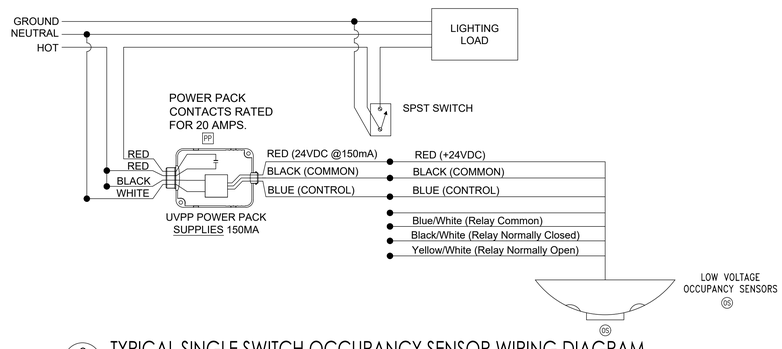
OCCUPANCY SENSOR AND CONTROL NOTES:

1. OCCUPANCY SENSORS SHALL BE VACANCY TYPE WITH DUAL TECHNOLOGY DETECTION AND 20-MINUTE CUTOFF TIME.
2. OCCUPANCY SENSOR MANUFACTURER PROVIDER WILL BE RESPONSIBLE FOR SIZING THE OCCUPANCY SENSORS IN EACH SPACE. PROVIDE THIS SIZING TO THE ENGINEER DURING SUBMITTAL PHASE FOR APPROVAL. PROVIDE ADDITIONAL OCCUPANCY SENSORS AS REQUIRED TO FULLY COVER ALL SPACES. IF ADDITIONAL OCCUPANCY SENSORS OR ANY OTHER EQUIPMENT IS REQUIRED IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE AND INSTALL. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THIS WITH LIGHTING MANUFACTURER PRIOR TO BIDS AND COVER THE COST OF ALL MATERIAL AND LABOR FOR ANY ADDITIONAL OCCUPANCY SENSORS.
3. ALL OCCUPANCY SENSORS LOCATIONS ARE APPROXIMATE, REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR EXACT MOUNTING AND SPACING REQUIREMENTS PRIOR TO INSTALLATION.
4. ULTRASONIC CEILING MOUNTED OCCUPANCY SENSORS SHALL BE LOCATED A MINIMUM OF SIX (6) FEET FROM HVAC SUPPLY/RETURN VENTS.
5. CONTRACTOR IS RESPONSIBLE FOR PROPER SENSITIVITY AND TIME DELAY SETTINGS FOR OCCUPANCY SENSORS, FOLLOWING THE MANUFACTURER'S RECOMMENDED PLACEMENT, AND FIELD VERIFICATION OF CIRCUITS WITH RESPECT TO POWER PACK PLACEMENT.
6. OCCUPANCY SENSORS MOUNTED OVER DOORWAYS SHALL BE PLACED ONE (1) FOOT INSIDE THRESHOLD.
7. LIGHTING CONTROL SYSTEM IS SPECIFIED AROUND THE HUBBELL AUTOMATION SYSTEM. CONTRACTOR SHALL PROVIDE ALL MATERIALS, DEVICES, WIRING, CONNECTIONS, AND PROGRAMMING NEEDED IF ANY OTHER LIGHITNG CONTROL SYSTEM SUBMITS FOR APPROVAL AND IS PROVIDED.
8. WATT STOPPER AND N-LIGHT ARE APPROVED EQUALS.
9. CONTRACTOR SHALL GROUND ALL JUNCTION BOXES CONTAINING LOW VOLTAGE SWITCHES OR ANY OTHER TYPE LIGHTING CONTROL DEVICE WITH #12 GRD.
10. PROVIDE A UL924 DEVICE FOR THE LIGHTING CONTROLS SUCH THAT UPON POWER LOSS THE LOCAL CONTROLS IS BYPASSED TO ALLOW THE EMERGENCY LIGHTS TO ILLUMINATE 100%. ALL EMERGENCY LIGHTS.



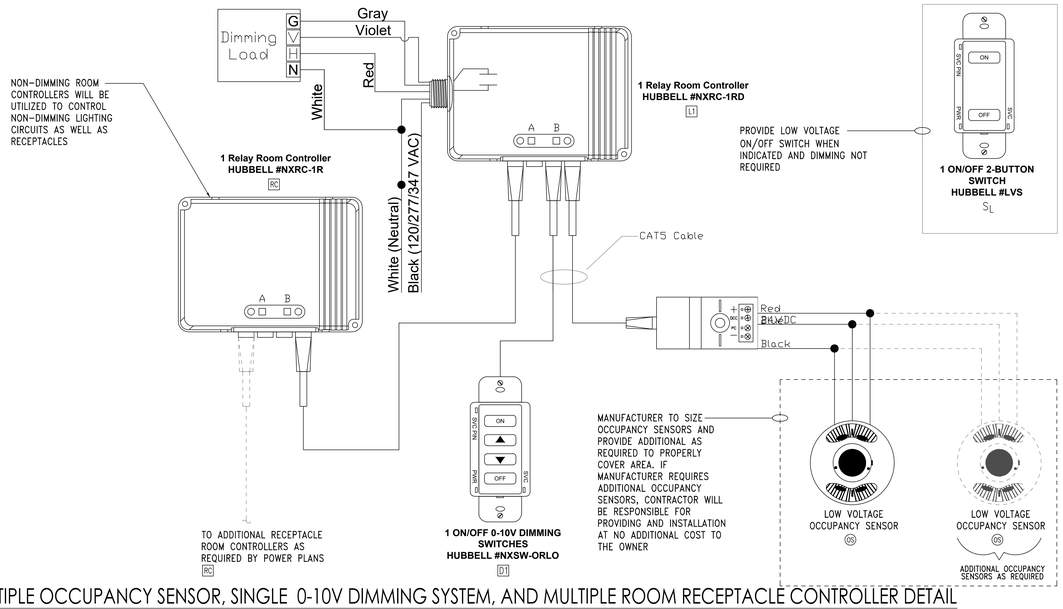
4 E2.3 TYPICAL 3-WAY SWITCHING OCCUPANCY SENSOR WIRING DIAGRAM

NO SCALE



3 E2.3 TYPICAL SINGLE SWITCH OCCUPANCY SENSOR WIRING DIAGRAM

NO SCALE



2 E2.3 TYPICAL MULTIPLE OCCUPANCY SENSOR, SINGLE 0-10V DIMMING SYSTEM, AND MULTIPLE ROOM RECEPTACLE CONTROLLER DETAIL

NO SCALE

Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14
Millbrook, AL 36054
Tel: 334-285-1273
1200 Providence Park, Suite 200
Birmingham, AL 35242
GA#22-134

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

ALABAMA REGISTERED PROFESSIONAL ARCHITECT
Kenneth R. Blum
06-09-2022
KENNETH RAY BLUM

SHEET TITLE : LIGHTING CONTROLS, DETAILS & NOTES

MCKEE JOB # : 21.184

PSCA # :

DRAWN BY : J. TILLERY

DATE: 06.09.2022

REVISED DATE:

REVISED DATE:

REVISED DATE:

SHEET NO. : E2.3

INV # 0-0-6-2222 9, Burr, Taylor, Willis

GENERAL NOTES:

1. COORDINATE WITH MECHANICAL/PLUMBING DRAWINGS FOR EXACT LOCATIONS OF EQUIPMENT.
2. MOUNT EXTERIOR DISCONNECTS ON EXTERIOR WALLS AT LEAST 18" FROM WINDOWS. LOCATIONS OF DISCONNECTS AND EQUIPMENT ARE SHOWN FOR DRAWING CLARITY PURPOSES ONLY.
3. COORDINATE WITH MECHANICAL/PLUMBING CONTRACTORS TO INSURE OVERCURRENT PROTECTION DEVICES FOR THEIR EQUIPMENT IS SIZED PER MANUFACTURER'S RECOMMENDATIONS. ENGINEER SIZED OVERCURRENT PROTECTION ACCORDING TO MECHANICAL/PLUMBING DRAWINGS AND SPECIFICATIONS, ACTUAL EQUIPMENT SUPPLIED MAY DIFFER. ELECTRICAL CONTRACTOR SHALL WORK WITH OTHER TRADE DISCIPLINES TO INSURE ANY CHANGES WILL BE INSTALLED CORRECTLY AT THE COST OF THE PERSON MAKING THE CHANGES.
4. ALL FLEXIBLE CONNECT TO HVAC UNITS SHALL BE RUN PARALLEL TO HARD SURFACE AND STRAPPED AT LEAST EVERY 2'.
5. CONTRACTOR SHALL PROVIDE CONDUIT FOR MECHANICAL CONTROLS. COORDINATE EXACT LOCATIONS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
6. ALL DISCONNECTS TO HAVE NAMEPLATE AS SHOWN IN DETAIL (3) THIS SHEET, NO EXCEPTIONS.
7. PROVIDE DEDICATED NEUTRALS FOR EACH MULTIWIRE HOMERUN PER NEC.
8. SEE DETAIL (4) THIS SHEET FOR MECHANICAL UNIT CONNECTION DETAIL.
9. SEE GENERAL EQUIPMENT SCHEDULE SHEET E3.3
10. COORDINATE EXACT LOCATION OF ALL ELECTRICAL WITH MILLWORK PROVIDERS PRIOR TO ROUGH-IN.

SHEET NOTES:

(1) PROVISIONS FOR ELECTRIC HAND DRYER. MOUNT JUNCTION BOX BEHIND PAPER TOWEL DISPENSER AND WALL BLANK OFF. CIRCUIT BREAKERS FEEDING CIRCUITRY SHALL BE SWITCHED OFF AND WIRE DISCONNECTED.

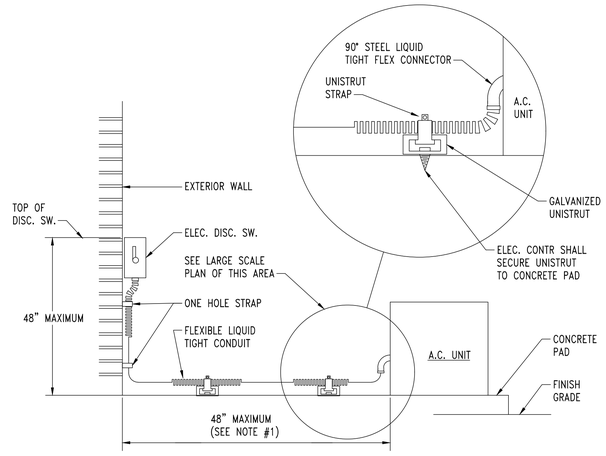
(2) INTERIOR UNIT RECEIVES POWER FROM THE EXTERIOR UNIT. PROVIDE INTERCONNECTING CIRCUITRY AS NEEDED IN CONDUIT TO CONNECT THE INTERIOR UNIT.

(3) PROVIDE INTERCONNECTING TRANSFORMER TO POWER 120V SUPPLY FAN BY THE 277 VOLT INVERTER CIRCUIT. TRANSFORMER SHALL BE 277V INPUT, 120V OUTPUT, 2,000 VA.

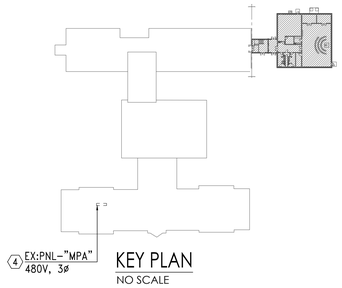
(4) VERIFY ROUTE OF FEEDER TO NEW EXISTING PANEL PRIOR TO BIDS.

NOTE:

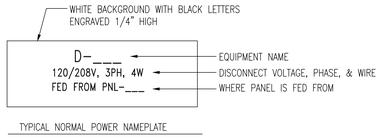
1. FOR DISTANCE GREATER THAN 48" CONDUIT TO BE ROUTED BELOW GRADE WITH 6" OF MECH. UNIT, STUB-UP W/ RIGID ELBOW THRU CONCRETE PAD. PROVIDE FLEXIBLE CONNECTION FROM ELBOW TO MECH. UNIT, W/ CONNECTION MADE AT UNIT AS SHOWN ABOVE.



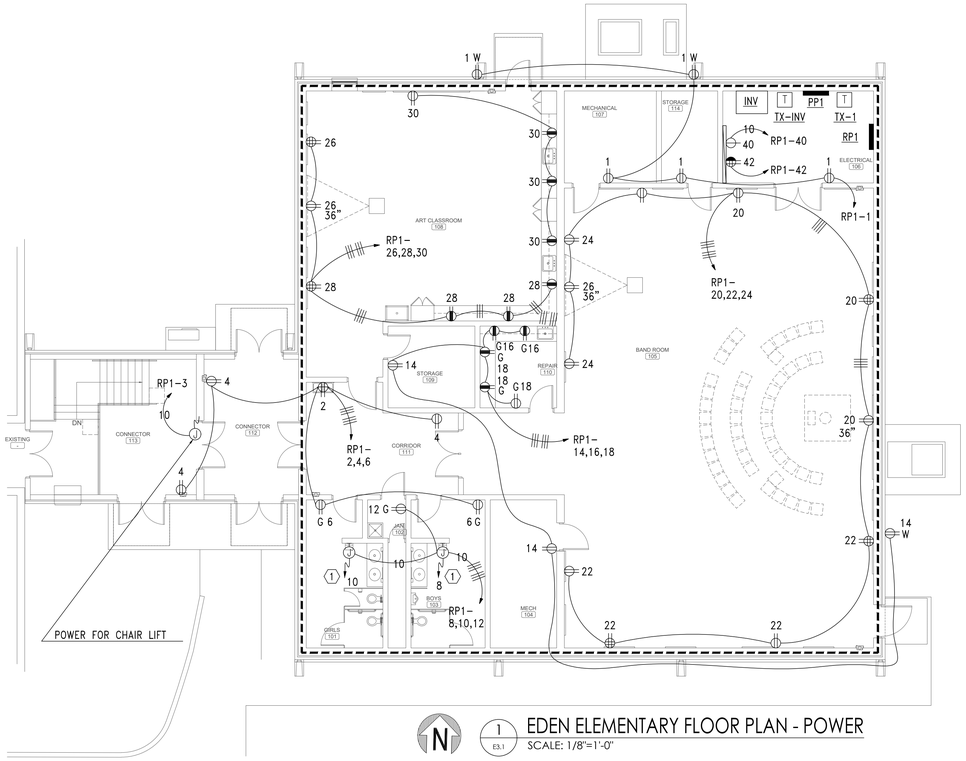
4 / E3.1 MECHANICAL UNIT CONNECTION DETIAL
NO SCALE



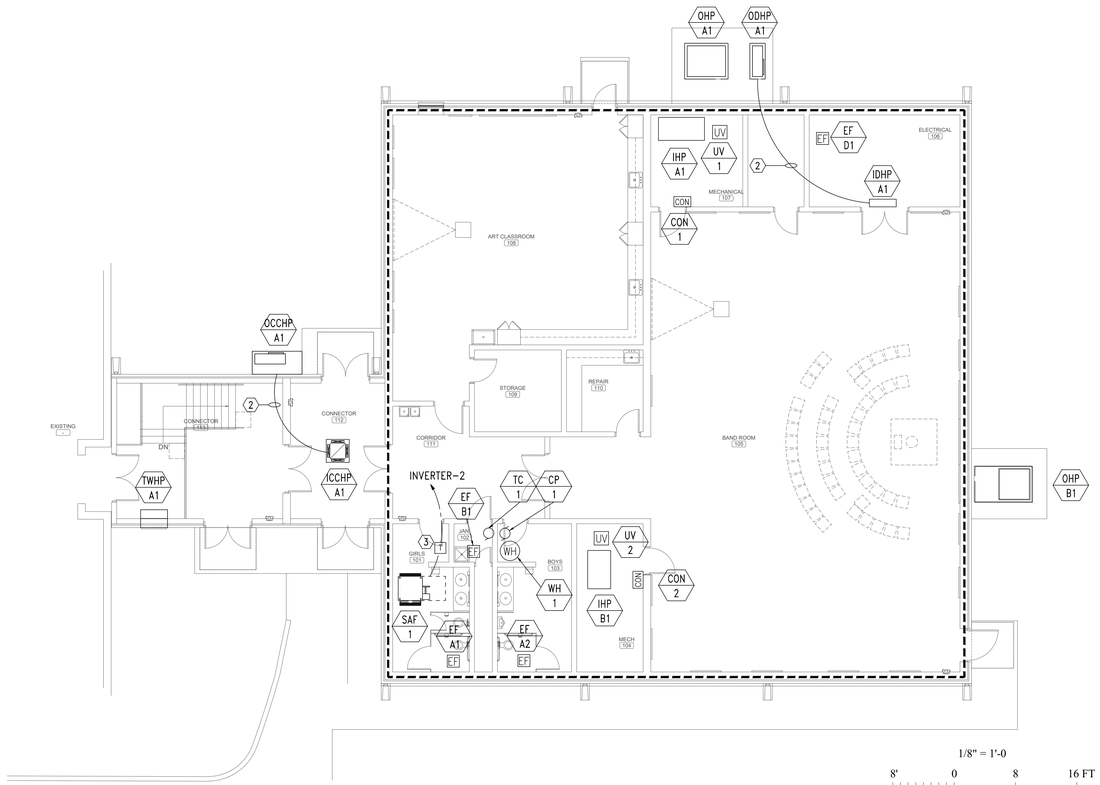
KEY PLAN
NO SCALE



3 / E3.1 DETAIL - TYPICAL DISCONNECT NAMEPLATE
NO SCALE



1 / E3.1 EDEN ELEMENTARY FLOOR PLAN - POWER
SCALE: 1/8"=1'-0"



2 / E3.1 EDEN ELEMENTARY FLOOR PLAN - MECHANICAL POWER
SCALE: 1/8"=1'-0"

1/8" = 1'-0
8' 0 8 16 FT
GRAPHIC SCALE

Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14
Millbrook, AL 36054
Tel: 334.285.1273
1200 Providence Park, Suite 200
Birmingham, AL 35242
GA#22-134

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

ALABAMA LICENSED PROFESSIONAL ARCHITECT NO. 2608 Kenneth Ray McKee 06-09-2022

SHEET TITLE : EDEN FLOOR PLAN - POWER & MECHANICAL POWER

MCKEE JOB # : 21.184

PSCA # :

DRAWN BY : J. TILLERY

DATE: 06.09.2022

REVISED DATE:

REVISED DATE:

REVISED DATE:

SHEET NO. : E3.1

- Thursday, June 9, 2022 10:40:46 AM

GENERAL NOTES:

1. COORDINATE WITH MECHANICAL/PLUMBING DRAWINGS FOR EXACT LOCATIONS OF EQUIPMENT.
2. MOUNT EXTERIOR DISCONNECTS ON EXTERIOR WALLS AT LEAST 18" FROM WINDOWS. LOCATIONS OF DISCONNECTS AND EQUIPMENT ARE SHOWN FOR DRAWING CLARITY PURPOSES ONLY.
3. COORDINATE WITH MECHANICAL/PLUMBING CONTRACTORS TO INSURE OVERCURRENT PROTECTION DEVICES FOR THEIR EQUIPMENT IS SIZED PER MANUFACTURER'S RECOMMENDATIONS. ENGINEER SIZED OVERCURRENT PROTECTION ACCORDING TO MECHANICAL/PLUMBING DRAWINGS AND SPECIFICATIONS. ACTUAL EQUIPMENT SUPPLIED MAY DIFFER. ELECTRICAL CONTRACTOR SHALL WORK WITH OTHER TRADE DISCIPLINES TO INSURE ANY CHANGES WILL BE INSTALLED CORRECTLY AT THE COST OF THE PERSON MAKING THE CHANGES.
4. ALL FLEXIBLE CONNECT TO HVAC UNITS SHALL BE RUN PARALLEL TO HARD SURFACE AND STRAPPED AT LEAST EVERY 2'.
5. CONTRACTOR SHALL PROVIDE CONDUIT FOR MECHANICAL CONTROLS. COORDINATE EXACT LOCATIONS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
6. ALL DISCONNECTS TO HAVE NAMEPLATE AS SHOWN IN DETAIL (3) THIS SHEET, NO EXCEPTIONS.
7. PROVIDE DEDICATED NEUTRALS FOR EACH MULTIWIRE HOMERUN PER NEC.
8. SEE DETAIL (4) THIS SHEET FOR MECHANICAL UNIT CONNECTION DETAIL.
9. SEE GENERAL EQUIPMENT SCHEDULE SHEET E/XX.X.X
10. COORDINATE EXACT LOCATION OF ALL ELECTRICAL WITH MILLWORK PROVIDERS PRIOR TO ROUGH-IN.

SHEET NOTES:

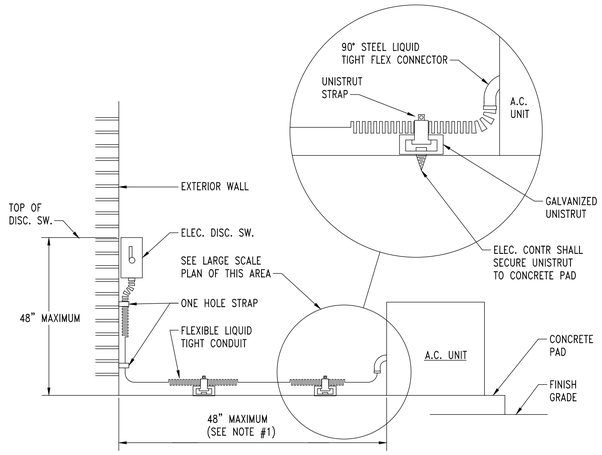
(1) PROVISIONS FOR ELECTRIC HAND DRYER. MOUNT JUNCTION BOX BEHIND PAPER TOWEL DISPENSER AND WALL BLANK OFF. CIRCUIT BREAKERS FEEDING CIRCUITRY SHALL BE SWITCHED OFF AND WIRE DISCONNECTED.

(2) INTERIOR UNIT RECEIVES POWER FROM THE EXTERIOR UNIT. PROVIDE INTERCONNECTING CIRCUITRY AS NEEDED IN CONDUIT TO CONNECT THE INTERIOR UNIT.

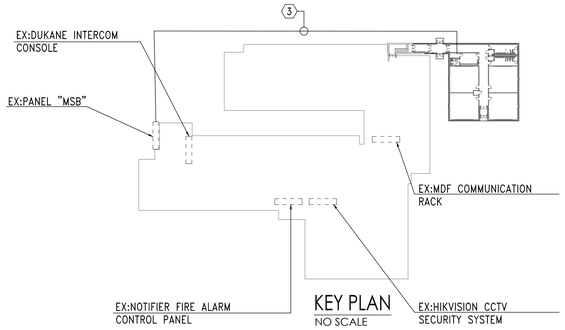
(3) CONTRACTOR WILL HAVE TO CUT/PATCH/REPAIR SURFACES AS NEEDED TO BORE THE TWO UNDERGROUND CONDUITS REQUIRED FROM THE EXISTING SWITCHBOARD TO THE NEW PANEL IN THE NEW ADDITION. VISIT SITE PRIOR TO BIDS TO VERIFY ROUTING OF PP1 FEEDER AND BID ACCORDINGLY.

NOTE:

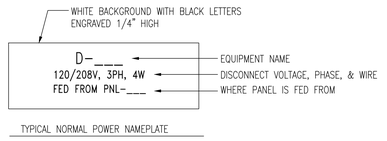
1. FOR DISTANCE GREATER THAN 48" CONDUIT TO BE ROUTED BELOW GRADE WITH 6" OF MECH. UNIT, STUB-UP W/ RIGID ELBOW THRU CONCRETE PAD. PROVIDE FLEXIBLE CONNECTION FROM ELBOW TO MECH. UNIT, W/ CONNECTION MADE AT UNIT AS SHOWN ABOVE.



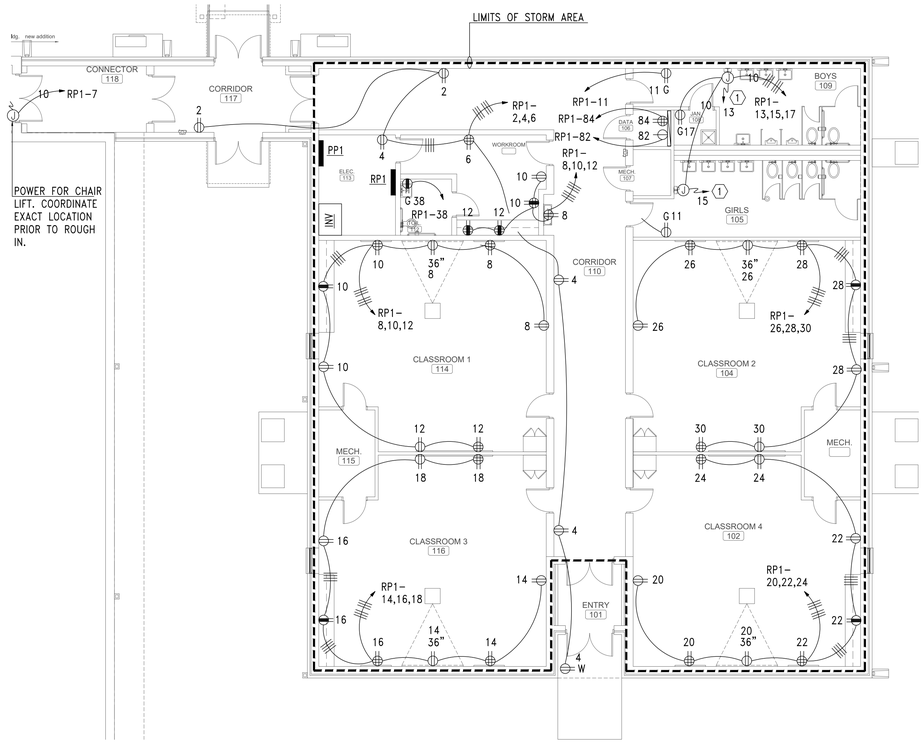
4 E3.1 MECHANICAL UNIT CONNECTION DETIAL
NO SCALE



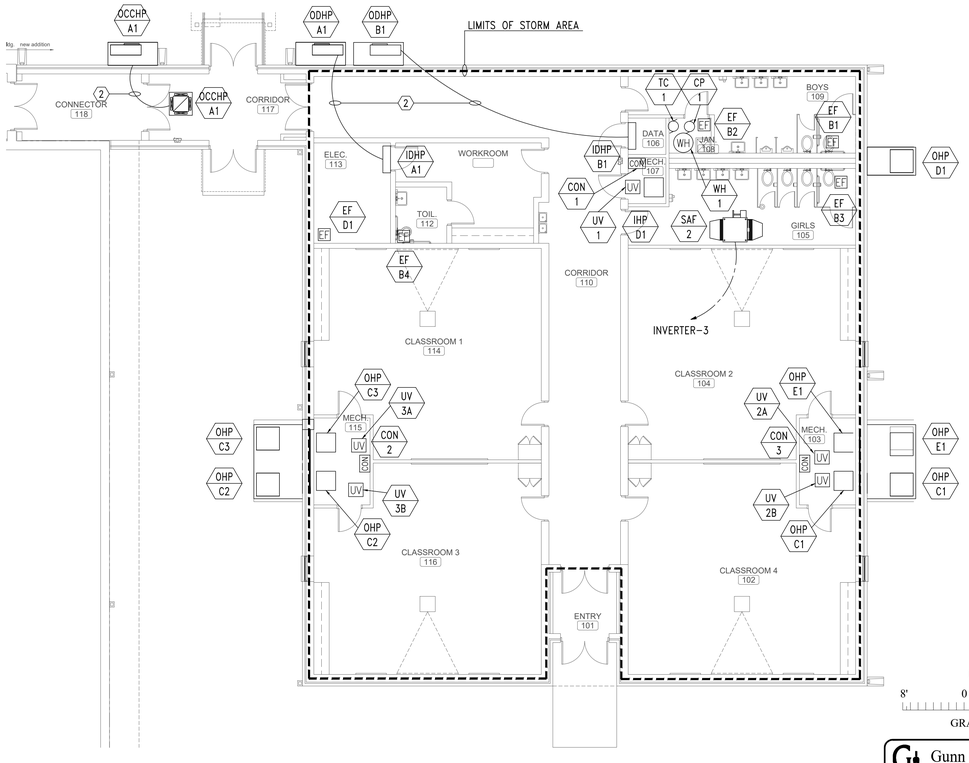
KEY PLAN
NO SCALE



3 E3.1 DETAIL - TYPICAL DISCONNECT NAMEPLATE
NO SCALE



1 E3.2 COOSA VALLEY FLOOR PLAN - POWER
SCALE: 1/8"=1'-0"



2 E3.2 COOSA VALLEY FLOOR PLAN - MECHANICAL POWER
SCALE: 1/8"=1'-0"

1/8" = 1'-0
8' 0 8 16 FT
GRAPHIC SCALE

Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14
Millbrook, AL 36054
Tel: 334.285.1273
1200 Providence Park, Suite 200
Birmingham, AL 35242
GA#22-134

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

ALABAMA REGISTERED ARCHITECT Kenneth R. Blount REG. 2639 PROFESSIONAL 06-09-2022 KENNETH RAY BLOUNT

SHEET TITLE : COOSA VALLEY FLOOR PLAN - POWER & MECHANICAL POWER

MCKEE JOB # : 21.184

PSCA # :

DRAWN BY : J. TILLERY

DATE: 06.09.2022

REVISED DATE:

REVISED DATE:

REVISED DATE:

SHEET NO. : E3.2

INV-000-9-22A7 9, auro, Jaysinlll -

GENERAL EQUIPMENT SCHEDULE (EDEN ES)

EQUIPMENT MARK:	EQUIPMENT DESCRIPTION:	VOLTAGE/PHASE:	ELECTRICAL CHARACTERISTICS:			DISCONNECT:	FUSE:	HOMERUN:	FEEDER:
			HP	KW	AMPS				
CON-1	MECH CONTROL	120V/1PH	----	0.200	----	TS	----	RP1 - 23	2#12 & 1#12GRD - 3/4"C
CON-2	MECH CONTROL	120V/1PH	----	0.200	----	TS	----	RP1 - 23	2#12 & 1#12GRD - 3/4"C
CP-1	CIRCULATION PUMP	120V/1PH	----	0.200	----	TS	----	RP1 - 17	2#12 & 1#12GRD - 3/4"C
EF-A1	EXHAUST FAN	120V/1PH	----	0.084	----	TS	F	INVERTER	2#12 & 1#12GRD - 3/4"C
EF-A2	EXHAUST FAN	120V/1PH	----	0.084	----	TS	F	INVERTER	2#12 & 1#12GRD - 3/4"C
EF-B1	EXHAUST FAN	120V/1PH	----	0.077	----	TS	F	INVERTER	2#12 & 1#12GRD - 3/4"C
EF-D1	EXHAUST FAN	120V/1PH	----	0.080	----	TS	F	INVERTER	2#12 & 1#12GRD - 3/4"C
SAF-1	SUPPLY FAN	120V/1PH	3/4	----	----	TS	----	INVERTER	2#10 & 1#10GRD - 3/4"C
OCCHP-A1	DUCTLESS UNIT	208V/1PH	----	----	13	30/2/3R	F	RP1 - 9,11	2#10 & 1#10GRD - 3/4"C
ODHP-A1	DUCTLESS UNIT	208V/1PH	----	----	18	30/2/3R	F	RP1 - 25,27	2#10 & 1#10GRD - 3/4"C
IHP-A1	INDOOR HEAT PUMP	480V/3PH	2	32	----	60/3/1	F	PP1 - 8,10,12	3#4 & 1#10GRD - 1 1/4"C
IHP-B1	INDOOR HEAT PUMP	480V/3PH	2	25	----	60/3/1	F	PP1 - 14,16,18	3#6 & 1#10GRD - 1 1/4"C
OHP-A1	OUTDOOR HEAT PUMP	480V/3PH	----	----	23	60/3/3R	F	PP1 - 7,9,11	3#6 & 1#10GRD - 1 1/4"C
OHP-B1	OUTDOOR HEAT PUMP	480V/3PH	----	----	18	60/3/3R	F	PP1 - 13,15,17	3#8 & 1#10GRD - 1"C
TC-1	TIME CLOCK	120V/1PH	----	0.265	----	TS	----	RP1 - 17	2#12 & 1#12GRD - 3/4"C
UV-1	MECH UNIT UV LIGHT	120V/1PH	----	0.200	----	TS	----	RP1 - 32	2#12 & 1#12GRD - 3/4"C
UV-2	MECH UNIT UV LIGHT	120V/1PH	----	0.200	----	TS	----	RP1 - 34	2#12 & 1#12GRD - 3/4"C
EWH-1	ELEC. WATER HTR	208V/1PH	----	4.5	----	30/2/1	F	RP1 - 13,15	2#10 & 1#10GRD - 3/4"C

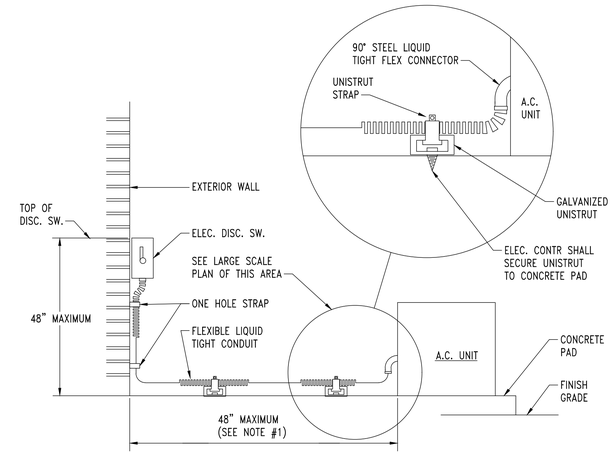
NOTES:
1. COORDINATE WITH MANUFACTURER'S CUTSHEETS OR NAMEPLATE DATA AND ADJUST OVERCURRENT PROTECTION AS NEEDED TO PROTECT EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS AND TO COMPLY WITH NEC AND ALL LOCAL CODES. COORDINATION SHALL BE DONE PRIOR TO BIDS AND ACCOUNTED FOR IN THE CONTRACTOR'S BID PRICE.
2. ALL DISCONNECTS SHALL BE HEAVY DUTY TYPE.
3. ALL FUSES SHALL BE SIZED PER NAMEPLATE DATA.
4. "NF" - NON-FUSED
5. "F" - FUSED
6. "TS" MANUAL MOTOR STARTER WITH THERMAL OVERLOAD ("W" - WEATHERPROOF) ("30-AMP" - 30-AMP RATED)
7. PROVIDE INTERCONNECTING RELAY SUCH THAT FAN IS CONTROLLED BY LIGHTING.
8. "WP" - WEATHERPROOF ENCLOSURE.
9. CONTRACTOR SHALL COORDINATE EXACT REQUIREMENTS AND LOCATIONS FOR ALL CIRCULATING PUMPS AND TIME CLOCKS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

GENERAL EQUIPMENT SCHEDULE (COOSA VALLEY)

EQUIPMENT MARK:	EQUIPMENT DESCRIPTION:	VOLTAGE/PHASE:	ELECTRICAL CHARACTERISTICS:			DISCONNECT:	FUSE:	HOMERUN:	FEEDER:
			HP	KW	AMPS				
CON-1	MECH CONTROL	120V/1PH	----	0.200	----	TS	----	RP1 - 2	2#12 & 1#12GRD - 3/4"C
CON-2	MECH CONTROL	120V/1PH	----	0.200	----	TS	----	RP1 - 2	2#12 & 1#12GRD - 3/4"C
CON-3	MECH CONTROL	120V/1PH	----	0.200	----	TS	----	RP1 - 2	2#12 & 1#12GRD - 3/4"C
CP-1	CIRCULATION PUMP	120V/1PH	----	0.200	----	TS	----	PP1 - 5	2#12 & 1#12GRD - 3/4"C
EF-B1	EXHAUST FAN	120V/1PH	----	0.077	----	TS	F	INVERTER	2#12 & 1#12GRD - 3/4"C
EF-B2	EXHAUST FAN	120V/1PH	----	0.077	----	TS	F	INVERTER	2#12 & 1#12GRD - 3/4"C
EF-B3	EXHAUST FAN	120V/1PH	----	0.077	----	TS	F	INVERTER	2#12 & 1#12GRD - 3/4"C
EF-B4	EXHAUST FAN	120V/1PH	----	0.077	----	TS	F	INVERTER	2#12 & 1#12GRD - 3/4"C
EF-D1	EXHAUST FAN	120V/1PH	----	0.080	----	TS	F	INVERTER	2#12 & 1#12GRD - 3/4"C
SAF-2	SUPPLY FAN	120V/1PH	1/2	----	----	TS	----	INVERTER	2#10 & 1#10GRD - 3/4"C
OCCHP-A1	DUCTLESS UNIT	208V/1PH	----	----	13	30/2/3R	F	RP1 - 19,21	2#10 & 1#10GRD - 3/4"C
ODHP-A1	DUCTLESS UNIT	208V/1PH	----	----	18	30/2/3R	F	PP1 - 43,45	2#10 & 1#10GRD - 3/4"C
ODHP-B1	DUCTLESS UNIT	208V/1PH	----	----	13	30/2/3R	F	RP1 - 27,29	2#10 & 1#10GRD - 3/4"C
IHP-C1	INDOOR HEAT PUMP	208V/3PH	1/2	10	----	60/3/1	F	PP1 - 13,15,17	3#8 & 1#10GRD - 1"C
IHP-C2	INDOOR HEAT PUMP	208V/3PH	1/2	10	----	60/3/1	F	PP1 - 19,21,23	3#8 & 1#10GRD - 1"C
IHP-C3	INDOOR HEAT PUMP	208V/3PH	1/2	10	----	60/3/1	F	PP1 - 25,27,29	3#8 & 1#10GRD - 1"C
IHP-D1	INDOOR HEAT PUMP	208V/3PH	3/4	12	----	60/3/1	F	PP1 - 31,33,35	3#6 & 1#10GRD - 1 1/4"C
IHP-E1	INDOOR HEAT PUMP	208V/3PH	3/4	12	----	60/3/1	F	PP1 - 7,9,11	3#6 & 1#10GRD - 1 1/4"C
OHP-C1	OUTDOOR HEAT PUMP	208V/3PH	----	----	12.5	30/3/3R	F	PP1 - 14,16,18	3#10 & 1#10GRD - 3/4"C
OHP-C2	OUTDOOR HEAT PUMP	208V/3PH	----	----	12.5	30/3/3R	F	PP1 - 20,22,24	3#10 & 1#10GRD - 3/4"C
OHP-C3	OUTDOOR HEAT PUMP	208V/3PH	----	----	12.5	30/3/3R	F	PP1 - 26,28,30	3#10 & 1#10GRD - 3/4"C
OHP-D1	OUTDOOR HEAT PUMP	208V/3PH	----	----	17	60/3/3R	F	PP1 - 26,28,30	3#8 & 1#10GRD - 1"C
OHP-E1	OUTDOOR HEAT PUMP	208V/3PH	----	----	17	60/3/3R	F	PP1 - 8,10,12	3#8 & 1#10GRD - 1"C
TC-1	TIME CLOCK	120V/1PH	----	0.265	----	TS	----	PP1 - 5	2#12 & 1#12GRD - 3/4"C
UV-1	MECH UNIT UV LIGHT	120V/1PH	----	0.200	----	TS	----	RP1 - 32	2#12 & 1#12GRD - 3/4"C
UV-2A	MECH UNIT UV LIGHT	120V/1PH	----	0.200	----	TS	----	RP1 - 32	2#12 & 1#12GRD - 3/4"C
UV-2B	MECH UNIT UV LIGHT	120V/1PH	----	0.200	----	TS	----	RP1 - 32	2#12 & 1#12GRD - 3/4"C
UV-3A	MECH UNIT UV LIGHT	120V/1PH	----	0.200	----	TS	----	RP1 - 32	2#12 & 1#12GRD - 3/4"C
UV-3B	MECH UNIT UV LIGHT	120V/1PH	----	0.200	----	TS	----	RP1 - 32	2#12 & 1#12GRD - 3/4"C
EWH-1	ELEC. WATER HTR	208V/1PH	----	4.5	----	30/2/1	F	PP1 - 1,3	2#10 & 1#10GRD - 3/4"C

NOTES:
1. COORDINATE WITH MANUFACTURER'S CUTSHEETS OR NAMEPLATE DATA AND ADJUST OVERCURRENT PROTECTION AS NEEDED TO PROTECT EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS AND TO COMPLY WITH NEC AND ALL LOCAL CODES. COORDINATION SHALL BE DONE PRIOR TO BIDS AND ACCOUNTED FOR IN THE CONTRACTOR'S BID PRICE.
2. ALL DISCONNECTS SHALL BE HEAVY DUTY TYPE.
3. ALL FUSES SHALL BE SIZED PER NAMEPLATE DATA.
4. "NF" - NON-FUSED
5. "F" - FUSED
6. "TS" MANUAL MOTOR STARTER WITH THERMAL OVERLOAD ("W" - WEATHERPROOF) ("30-AMP" - 30-AMP RATED)
7. PROVIDE INTERCONNECTING RELAY SUCH THAT FAN IS CONTROLLED BY LIGHTING.
8. "WP" - WEATHERPROOF ENCLOSURE.
9. CONTRACTOR SHALL COORDINATE EXACT REQUIREMENTS AND LOCATIONS FOR ALL CIRCULATING PUMPS AND TIME CLOCKS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

NOTE:
1. FOR DISTANCE GREATER THAN 48" CONDUIT TO BE ROUTED BELOW GRADE WITH 6" OF MECH. UNIT, STUB-UP W/ RIGID ELBOW THRU CONCRETE PAD. PROVIDE FLEXIBLE CONNECTION FROM ELBOW TO MECH. UNIT, W/ CONNECTION MADE AT UNIT AS SHOWN ABOVE.



1 / E3.3 MECHANICAL UNIT CONNECTION DETIAL
NO SCALE

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

ALABAMA REGISTERED PROFESSIONAL ENGINEER NO. 26985 KENNETH RAY GUNN JR. 06-09-2022

SHEET TITLE : GENERAL EQUIPMENT SCHEDULE

MCKEE JOB # : 21.184

PSCA # :

DRAWN BY : J. TILLERY

DATE: 06.09.2022

REVISED DATE:

REVISED DATE:

REVISED DATE:

Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14
Millbrook, AL 36054
Tel: 334.285.1273
1200 Providence Park, Suite 200
Birmingham, AL 35242
GA#22-134

SHEET NO. : E3.3

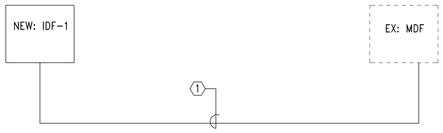
Wed 06-08-2022 9:49 am Jeremy Jones

RISER DIAGRAM KEYED NOTES:

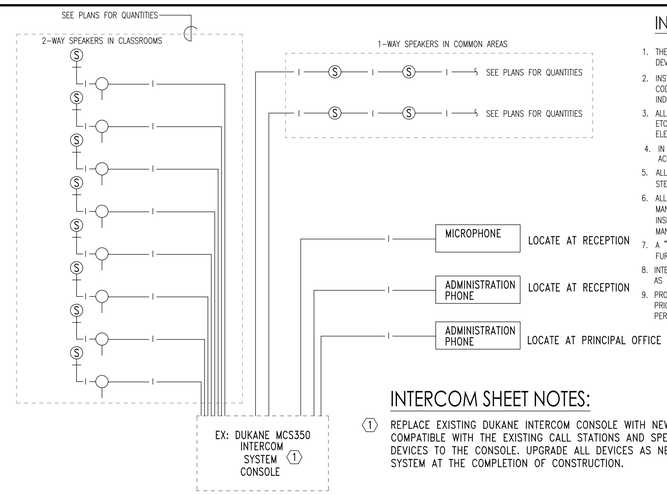
1. CONTRACTOR SHALL PROVIDE A 6 STRAND OS2 SINGLE MODE FIBER OPTIC CABLE INTERCONNECTING THE EXISTING MDF TO THE NEW IDF. PROVIDE FIBER OPTIC PATCH EQUIPMENT IN EXISTING WALL RACK IN EXISTING BUILDING TO INTERCONNECT THE TWO RACKS BY FIBER. PROVIDE LC TYPE CONNECTIONS. VISIT SITE PRIOR TO BIDS AND ADJUST ROUTING AND CABLING LENGTHS ACCORDINGLY. PROVIDE J-HOOKS ABOVE CEILINGS TO SUPPORT FIBER IN CONCEALED AREAS.

COMMUNICATION NOTES:

1. PROVIDE 5/8" STRUT ASSEMBLY AT TOP AND BOTTOM OF TBB TO SUPPORT ALL CONDUITS TERMINATING AT BACKBOARD.
2. TBB SHALL BE 3/4" PLYWOOD EXTERIOR RATED AND CUT TO COVER ALL WALLS OR AS INDICATED. PAINT WITH TWO COATS OF FIRE RETARDENT PAINT. MOUNT 2' AFF.
3. PROVIDE A PLASTIC BUSHING OR PROTECTIVE COLLAR AT EACH CONDUIT TERMINATION, INCLUDING TERMINATIONS ABOVE THE CEILING, AT CABLE TRAY, OR AT TBB.
4. ALL CONDUIT TERMINATIONS SHOULD BE DONE EVENLY AT THE TOP AND BOTTOM OF TBB. TERMINATIONS SHALL BE MADE WITHIN THE FIRST FEW INCHES OF THE TBB.
5. SEAL ALL CONDUITS FROM THE EXTERIOR WITH A SEALING COMPOUND, ONCE ALL CABLING HAS BEEN INSTALLED.
6. PROVIDE GROUND BUS FOR EACH TBB. SEE GROUND BUS INSTALLATION DETAIL.
7. PROVIDE ALL CONDUITS WITH MINIMUM #800 MULE TAPE (PULL TAPE).
8. STENCIL ALL JUNCTION BOX COVERS ABOVE THE CEILING WITH 2" LETTERS THAT READ "COMM".
9. ELECTRICAL CONTRACTOR WILL BE RESPONSIABLE FOR ALL RACEWAYS, CABLE TRAY, CABLING, PATCH PANELS, TERMINATIONS, BACKBOARDS, ETC. SEE RISER DIAGRAM, DETAILS, AND SPECIFICATIONS FOR FURTHER EQUIPMENT REQUIREMENTS.
10. BOND RACK FRAMES, STRUT, CONDUITS, AND LADDER RACK TO THE GROUND BUS WITH MINIMUM SIZE WIRE OF #1/0.

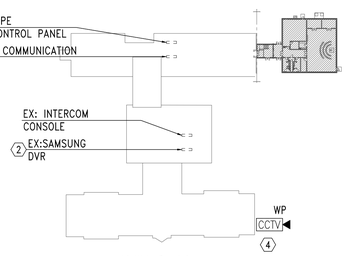


2 E4.1 COMMUNICATIONS RISER DIGRAM
NO SCALE



INTERCOM SYSTEM NOTES:

1. THE INTERCOM SYSTEM SHALL BE INSTALLED COMPLETE, WITH ALL EQUIPMENT, DEVICES, COMPONENTS, CABLE AND WIRING SYSTEMS, ETC., READY FOR OPERATION.
2. INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC), INSULATED CABLE ENGINEERS ASSOCIATION (ICEA) AND THE ELECTRONIC INDUSTRIES ASSOCIATION (EIA).
3. ALL SYSTEM COMPONENTS, ENCLOSURES, FRAMES, CONDUCTOR AND CABLE SHIELDS, ETC., SHALL BE GROUNDED. SYSTEM SHALL BE BONDED TO THE FACILITY GROUND ELECTRODE SYSTEM AS NOTED.
4. IN GENERAL THE INTERCOM WIRING SYSTEM SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS FOR THE SYSTEM SPECIFIED.
5. ALL WIRING TO BE IN CONDUIT SIZED IN ACCORDANCE WITH NEC WITH A MINIMUM SIZE OF 3/4". STENCIL IN 2" HIGH LETTERS ON EVERY JUNCTION BOX COVER ABOVE CEILING THE LETTERS "INT".
6. ALL EQUIPMENT AND DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS, APPLICABLE STANDARDS AND ACCESSIBLE FOR VISUAL INSPECTION AND MAINTENANCE. WIRING DIAGRAMS SHALL BE SECURED FROM THE SYSTEM MANUFACTURER AND INSTALLED ACCORDINGLY TO MEET THE SPECIFIED OPERATION.
7. A "CERTIFICATE OF COMPLETION" FROM THE MANUFACTURER'S REPRESENTATIVE SHALL BE FURNISHED PRIOR TO FINAL ACCEPTANCE.
8. INTERCOM SYSTEM PROVIDER IS RESPONSIBLE FOR PROVIDING SIGNAL LINE BOOSTERS AND AMPLIFIERS AS REQUIRED FOR SYSTEM TO FUNCTION PROPERLY.
9. PROVIDE PROPERLY SIZED JUNCTION BOXES TO HOUSE DEVICES. COORDINATE WITH SHOP DRAWING PRIOR TO ROUGH-IN. INCLUDE IN BID ALL MATERIAL NECESSARY TO MOUNT AND CONNECT DEVICES PER MANUFACTURER'S RECOMMENDATIONS.



KEY PLAN
NO SCALE

INTERCOM SHEET NOTES:

1. REPLACE EXISTING DUKANE INTERCOM CONSOLE WITH NEW INTERCOM CONSOLE THAT IS COMPATIBLE WITH THE EXISTING CALL STATIONS AND SPEAKERS. RECONNECT EXISTING DEVICES TO THE CONSOLE. UPGRADE ALL DEVICES AS NEEDED TO HAVE FUNCTIONAL SYSTEM AT THE COMPLETION OF CONSTRUCTION.

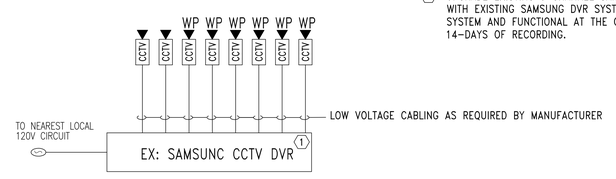
3 E4.1 INTERCOM/CLASS BELL RISER DIAGRAM
NO SCALE

CCTV SYSTEM NOTES:

1. THE CLOSED CIRCUIT TELEVISION SYSTEM SHALL BE INSTALLED COMPLETE, WITH ALL EQUIPMENT, DEVICES, COMPONENTS, CABLE AND WIRING SYSTEMS, ETC., READY FOR OPERATION.
2. INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC) AND UL.
3. ALL SYSTEM COMPONENTS, ENCLOSURES, FRAMES, ETC., SHALL BE GROUNDED. SYSTEM SHALL BE BONDED TO THE FACILITY GROUND ELECTRODE SYSTEM AS NOTED.
4. ALL WIRING TO BE IN CONDUIT SIZED IN ACCORDANCE WITH NEC WITH A MINIMUM SIZE OF 3/4". STENCIL IN 2" HIGH LETTERS ON EVERY JUNCTION BOX COVER ABOVE CEILING THE LETTERS "CCTV".
5. ALL CAMERAS SHALL COME IN A SMOKEY GLASS MINI DOME. PROVIDE EXTERIOR CAMERAS WITH SIMILIAR TYPE DOMES THAT ARE UL APPROVED FOR THE EXTERIOR LOCATION.
6. IN GENERAL THE SECURITY WIRING SYSTEM SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS FOR THE SYSTEM SPECIFIED.
7. ALL EQUIPMENT AND DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS, APPLICABLE STANDARDS AND ACCESSIBLE FOR VISUAL INSPECTION AND MAINTENANCE. WIRING DIAGRAMS SHALL BE SECURED FROM THE SYSTEM MANUFACTURER AND INSTALLED ACCORDINGLY TO MEET THE SPECIFIED OPERATION.
8. A "CERTIFICATE OF COMPLETION" FROM THE MANUFACTURER'S REPRESENTATIVE SHALL BE FURNISHED PRIOR TO FINAL ACCEPTANCE.
9. CLOSED CIRCUIT TELEVISION PROVIDER IS RESPONSIBLE FOR PROVIDING SIGNAL LINE BOOSTERS AS REQUIRED FOR SYSTEM TO FUNCTION PROPERLY.
10. CAMERA QUANITITES SHALL BE VERIFIED ON AUXILIARY DRAWINGS. DO NOT USE THIS RISER FOR FINAL COUNTS.
11. CONTRACTOR SHALL PROVIDE ALL ADDITIONAL 120 VOLT CIRCUITS NEEDED TO MAKE THE CCTV SYSTEM A COMPLETE FUNCTIONAL SYSTEM.

CCTV RISER DIAGRAM KEYED NOTES:

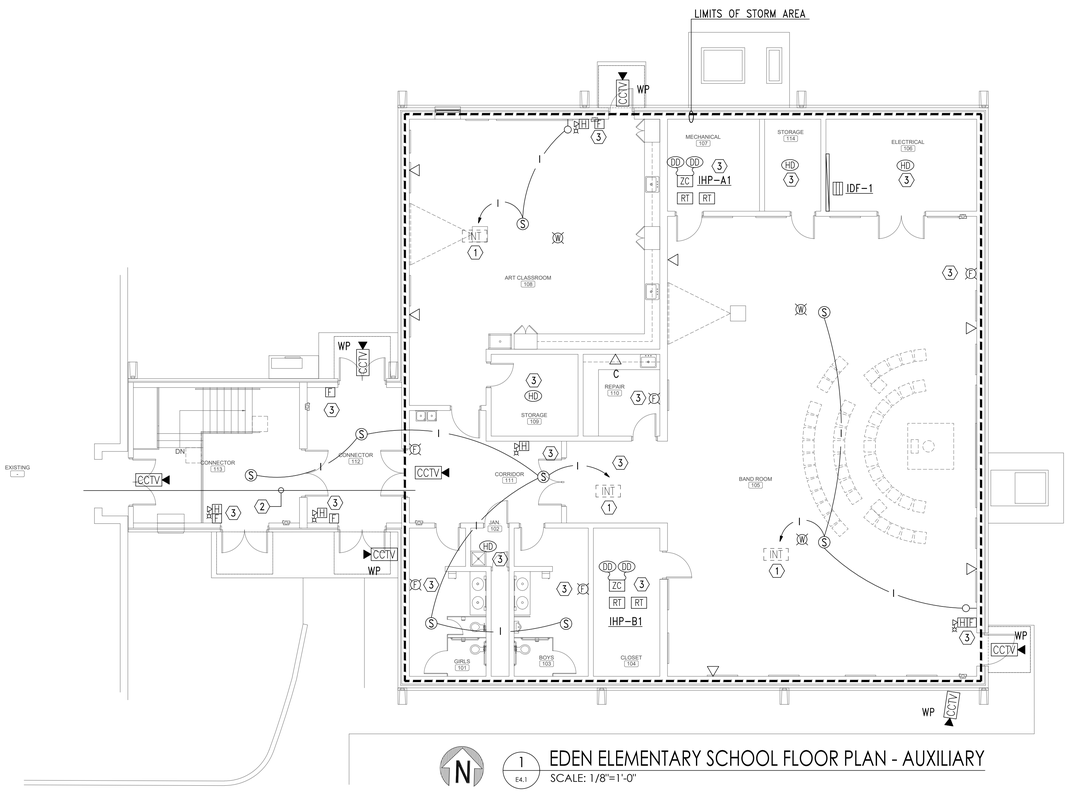
1. UPGRADE EXISTING 9 CHANNEL SAMSUNG DVR TO A NEW 32 CHANNEL DVR. NEW DVR MUST BE COMPATIBLE WITH EXISTING SAMSUNG DVR SYSTEM AND EXISTING CAMERAS. CONNECT NEW AND EXISTNG CAMERAS INTO SYSTEM AND FUNCTIONAL AT THE COMPLETION OF CONSTRUCTION. NEW SYSTEM SHALL BE CAPABLE OF 14-DAYS OF RECORDING.



CCTV INTERIOR DOME CAMERA A MINIMUM OF 2MP

WP CCTV EXTERIOR CAMERA A MINIMUM OF 5MP

4 E4.1 CCTV SYSTEM RISER DIAGRAM
NO SCALE



1 E4.1 EDEN ELEMENTARY SCHOOL FLOOR PLAN - AUXILIARY
SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. COORDINATE WITH CORRESPONDING RISER DIAGRAMS.
2. COORDINATE AND MOUNT COMMUNICATIONS OUTLETS WITHIN 6" OF CORRESPONDING POWER RECEPTACLE.

SHEET NOTE:

1. CONTRACTOR SHALL CONNECT NEW INTERCOM DEVICES TO THE REPLACED INTERCOM CONSOLE.
2. PROVIDE THREE (3) 1 1/2" CONDUITS INTERCONNECTING THE NEW STORM SHELTER TO THE EXISTING SCHOOL ABOVE CEILINGS. CONDUITS SHALL COMPLY WITH ICC500 WHEN PENETRATING THE STORM SHELTER.
3. CONTRACTOR SHALL CONNECT NEW FIRE ALARM DEVICES TO EXISTING NOTIFIER TYPE FIRE ALARM CONTROL PANEL. CONTRACTOR SHALL EXPAND EXISTING SYSTEM AS REQUIRED TO ACCOMMODATE NEW DEVICES. CONTRACTOR SHALL TEST AND CERTIFY EXISTING SYSTEM UPON COMPLETION OF NEW WORK.
4. CONTRACTOR SHALL PROVIDE NEW EXTERIOR CAMERA ON THE EXISTING SCHOOL.

STORM SHELTER:
CONTRACTOR SHALL INSTALL ALL CONDUITS ENTERING OR EXITING THE STORM SHELTER UNDERGROUND SUCH THAT THEY DO NOT PENETRATE THE STORM SHELTER WALLS OR CEILING. IF A PENETRATION IS REQUIRED, THEN THERE SHALL BE NO PENETRATION GREATER THAN OR EQUAL TO 2" OR ABOVE. ALL PENETRATIONS SHALL CONFORM TO ICC 500.

1/8" = 1'-0
8' 0 8 16 FT
GRAPHIC SCALE

Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14
Millbrook, AL 36054
Tel: 334.285.1273
1200 Providence Park, Suite 200
Birmingham, AL 35242
GA#22-134

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

ALABAMA REGISTERED PROFESSIONAL ARCHITECT
Kenneth R. Blum
06-09-2022

SHEET TITLE : EDEN FLOOR PLAN - AUXILIARY

MCKEE JOB # : 21.184

PSCA # :

DRAWN BY : J. TILLERY

DATE: 06.09.2022

REVISED DATE:

REVISED DATE:

REVISED DATE:

SHEET NO. : E4.1

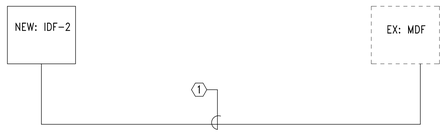
INV 1.0.5C-R-2022 V6, plunp, Ugnsuiii -

RISER DIAGRAM KEYED NOTES:

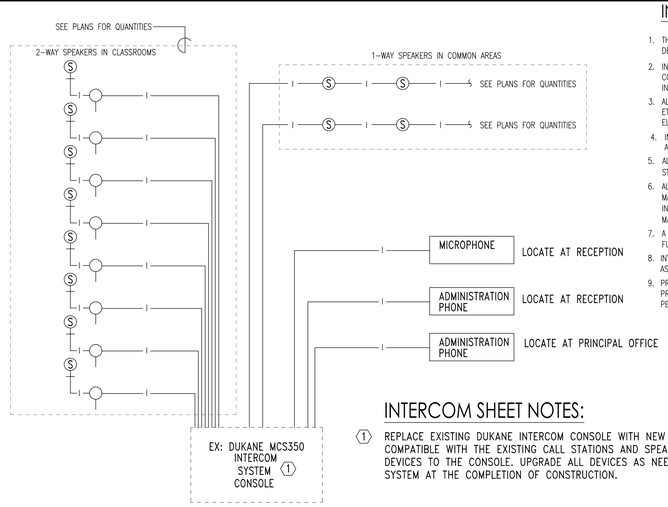
1. CONTRACTOR SHALL PROVIDE A 6 STRAND OS2 SINGLE MODE FIBER OPTIC CABLE INTERCONNECTING THE EXISTING MDF TO THE NEW IDF. PROVIDE FIBER OPTIC PATCH EQUIPMENT IN EXISTING WALL RACK IN EXISTING BUILDING TO INTERCONNECT THE TWO RACKS BY FIBER. PROVIDE LC TYPE CONNECTIONS. VISIT SITE PRIOR TO BIDS AND ADJUST ROUTING AND CABLING LENGTHS ACCORDINGLY. PROVIDE J-HOOKS ABOVE CEILINGS TO SUPPORT FIBER IN CONCEALED AREAS.

COMMUNICATION NOTES:

1. PROVIDE 5/8" STRUT ASSEMBLY AT TOP AND BOTTOM OF TBB TO SUPPORT ALL CONDUITS TERMINATING AT BACKBOARD.
2. TBB SHALL BE 3/4" PLYWOOD EXTERIOR RATED AND CUT TO COVER ALL WALLS OR AS INDICATED. PAINT WITH TWO COATS OF FIRE RETARDENT PAINT. MOUNT 2' AFF.
3. PROVIDE A PLASTIC BUSHING OR PROTECTIVE COLLAR AT EACH CONDUIT TERMINATION, INCLUDING TERMINATIONS ABOVE THE CEILING, AT CABLE TRAY, OR AT TBB.
4. ALL CONDUIT TERMINATIONS SHOULD BE DONE EVENLY AT THE TOP AND BOTTOM OF TBB. TERMINATIONS SHALL BE MADE WITHIN THE FIRST FEW INCHES OF THE TBB.
5. SEAL ALL CONDUITS FROM THE EXTERIOR WITH A SEALING COMPOUND, ONCE ALL CABLING HAS BEEN INSTALLED.
6. PROVIDE GROUND BUS FOR EACH TBB. SEE GROUND BUS INSTALLATION DETAIL.
7. PROVIDE ALL CONDUITS WITH MINIMUM #800 MULE TAPE (PULL TAPE).
8. STENCIL ALL JUNCTION BOX COVERS ABOVE THE CEILING WITH 2" LETTERS THAT READ "COMM".
9. ELECTRICAL CONTRACTOR WILL BE RESPONSIABLE FOR ALL RACEWAYS, CABLE TRAY, CABLING, PATCH PANELS, TERMINATIONS, BACKBOARDS, ETC. SEE RISER DIAGRAM, DETAILS, AND SPECIFICATIONS FOR FURTHER EQUIPMENT REQUIREMENTS.
10. BOND RACK FRAMES, STRUT, CONDUITS, AND LADDER RACK TO THE GROUND BUS WITH MINIMUM SIZE WIRE OF #1/0.



2 E4.2 COMMUNICATIONS RISER DIGRAM
NO SCALE



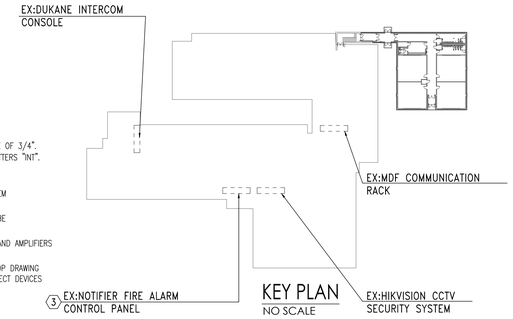
INTERCOM SHEET NOTES:

1. REPLACE EXISTING DUKANE INTERCOM CONSOLE WITH NEW INTERCOM CONSOLE THAT IS COMPATIBLE WITH THE EXISTING CALL STATIONS AND SPEAKERS. RECONNECT EXISTING DEVICES TO THE CONSOLE. UPGRADE ALL DEVICES AS NEEDED TO HAVE FUNCTIONAL SYSTEM AT THE COMPLETION OF CONSTRUCTION.

3 E4.2 INTERCOM/CLASS BELL RISER DIAGRAM
NO SCALE

INTERCOM SYSTEM NOTES:

1. THE INTERCOM SYSTEM SHALL BE INSTALLED COMPLETE, WITH ALL EQUIPMENT, DEVICES, COMPONENTS, CABLE AND WIRING SYSTEMS, ETC., READY FOR OPERATION.
2. INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC), INSULATED CABLE ENGINEERS ASSOCIATION (ICEA) AND THE ELECTRONIC INDUSTRIES ASSOCIATION (EIA).
3. ALL SYSTEM COMPONENTS, ENCLOSURES, FRAMES, CONDUCTOR AND CABLE SHIELDS, ETC., SHALL BE GROUNDED. SYSTEM SHALL BE BONDED TO THE FACILITY GROUND ELECTRODE SYSTEM AS NOTED.
4. IN GENERAL THE INTERCOM WIRING SYSTEM SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS FOR THE SYSTEM SPECIFIED.
5. ALL WIRING TO BE IN CONDUIT SIZED IN ACCORDANCE WITH NEC WITH A MINIMUM SIZE OF 3/4". STENCIL IN 2" HIGH LETTERS ON EVERY JUNCTION BOX COVER ABOVE CEILING THE LETTERS "INT".
6. ALL EQUIPMENT AND DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS, APPLICABLE STANDARDS AND ACCESSIBLE FOR VISUAL INSPECTION AND MAINTENANCE. WIRING DIAGRAMS SHALL BE SECURED FROM THE SYSTEM MANUFACTURER AND INSTALLED ACCORDINGLY TO MEET THE SPECIFIED OPERATION.
7. A "CERTIFICATE OF COMPLETION" FROM THE MANUFACTURER'S REPRESENTATIVE SHALL BE FURNISHED PRIOR TO FINAL ACCEPTANCE.
8. INTERCOM SYSTEM PROVIDER IS RESPONSIBLE FOR PROVIDING SIGNAL LINE BOOSTERS AND AMPLIFIERS AS REQUIRED FOR SYSTEM TO FUNCTION PROPERLY.
9. PROVIDE PROPERLY SIZED JUNCTION BOXES TO HOUSE DEVICES. COORDINATE WITH SHOP DRAWING PRIOR TO ROUGH-IN. INCLUDE IN BID ALL MATERIAL NECESSARY TO MOUNT AND CONNECT DEVICES PER MANUFACTURER'S RECOMMENDATIONS.



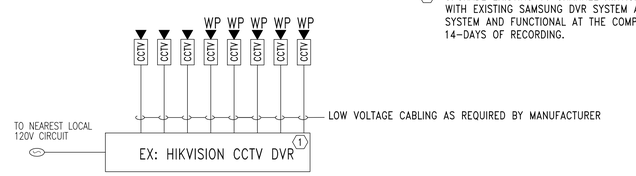
KEY PLAN
NO SCALE

CCTV SYSTEM NOTES:

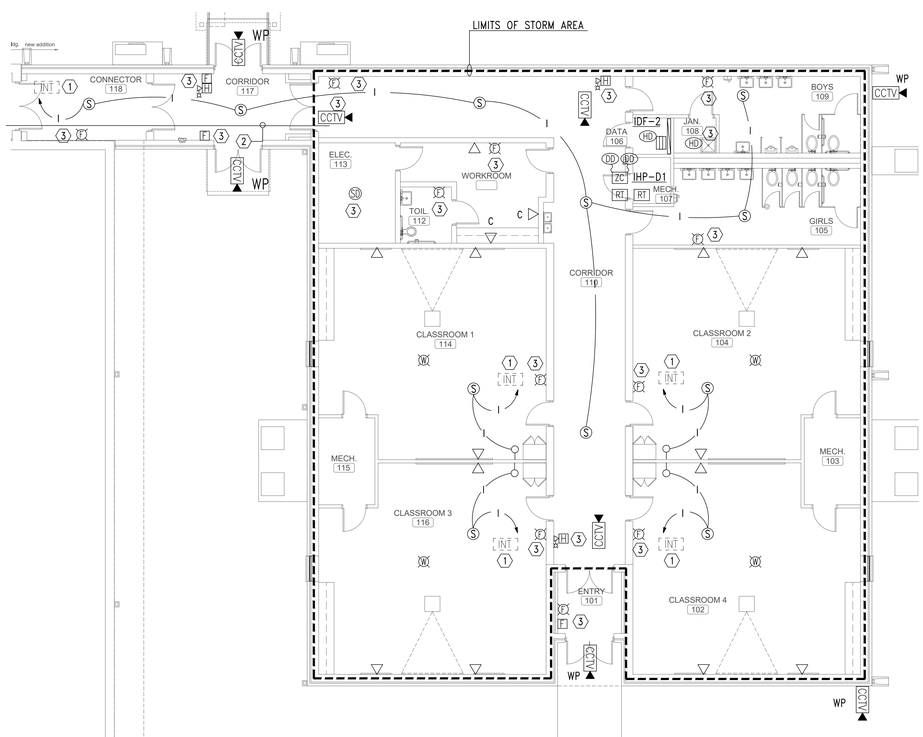
1. THE CLOSED CIRCUIT TELEVISION SYSTEM SHALL BE INSTALLED COMPLETE, WITH ALL EQUIPMENT, DEVICES, COMPONENTS, CABLE AND WIRING SYSTEMS, ETC., READY FOR OPERATION.
2. INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC) AND UL.
3. ALL SYSTEM COMPONENTS, ENCLOSURES, FRAMES, ETC., SHALL BE GROUNDED. SYSTEM SHALL BE BONDED TO THE FACILITY GROUND ELECTRODE SYSTEM AS NOTED.
4. ALL WIRING TO BE IN CONDUIT SIZED IN ACCORDANCE WITH NEC WITH A MINIMUM SIZE OF 3/4". STENCIL IN 2" HIGH LETTERS ON EVERY JUNCTION BOX COVER ABOVE CEILING THE LETTERS "CCTV".
5. ALL CAMERAS SHALL COME IN A SMOKEY GLASS MINI DOME. PROVIDE EXTERIOR CAMERAS WITH SIMILIAR TYPE DOMES THAT ARE UL APPROVED FOR THE EXTERIOR LOCATION.
6. IN GENERAL THE SECURITY WIRING SYSTEM SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS FOR THE SYSTEM SPECIFIED.
7. ALL EQUIPMENT AND DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS, APPLICABLE STANDARDS AND ACCESSIBLE FOR VISUAL INSPECTION AND MAINTENANCE. WIRING DIAGRAMS SHALL BE SECURED FROM THE SYSTEM MANUFACTURER AND INSTALLED ACCORDINGLY TO MEET THE SPECIFIED OPERATION.
8. A "CERTIFICATE OF COMPLETION" FROM THE MANUFACTURER'S REPRESENTATIVE SHALL BE FURNISHED PRIOR TO FINAL ACCEPTANCE.
9. CLOSED CIRCUIT TELEVISION PROVIDER IS RESPONSIBLE FOR PROVIDING SIGNAL LINE BOOSTERS AS REQUIRED FOR SYSTEM TO FUNCTION PROPERLY.
10. CAMERA QUANITITES SHALL BE VERIFIED ON AUXILIARY DRAWINGS. DO NOT USE THIS RISER FOR FINAL COUNTS.
11. CONTRACTOR SHALL PROVIDE ALL ADDITIONAL 120 VOLT CIRCUITS NEEDED TO MAKE THE CCTV SYSTEM A COMPLETE FUNCTIONAL SYSTEM.

CCTV RISER DIAGRAM KEYED NOTES:

1. UPGRADE EXISTING 16 CHANNEL HIKVISION DVR TO A NEW 32 CHANNEL DVR. NEW DVR MUST BE COMPATIBLE WITH EXISTING SAMSUNG DVR SYSTEM AND EXISTING CAMERAS. CONNECT NEW AND EXISTNG CAMERAS INTO SYSTEM AND FUNCTIONAL AT THE COMPLETION OF CONSTRUCTION. NEW SYSTEM SHALL BE CAPABLE OF 14-DAYS OF RECORDING.



4 E4.2 CCTV SYSTEM RISER DIAGRAM
NO SCALE



1 E4.2 COOSA VALLEY FLOOR PLAN - AUXILIARY
SCALE: 1/8"=1'-0"

STORM SHELTER:
CONTRACTOR SHALL INSTALL ALL CONDUITS ENTERING OR EXITING THE STORM SHELTER UNDERGROUND SUCH THAT THEY DO NOT PENETRATE THE STORM SHELTER WALLS OR CEILING. IF A PENETRATION IS REQUIRED, THEN THERE SHALL BE NO PENETRATION GREATER THAN OR EQUAL TO 2" OR ABOVE. ALL PENETRATIONS SHALL CONFORM TO ICC 500.

GENERAL NOTES:

1. COORDINATE WITH CORRESPONDING RISER DIAGRAMS.
2. COORDINATE AND MOUNT COMMUNICATIONS OUTLETS WITHIN 6" OF CORRESPONDING POWER RECEPTACLE.

SHEET NOTE:

1. CONTRACTOR SHALL CONNECT NEW INTERCOM DEVICES TO THE REPLACED INTERCOM CONSOLE.
2. PROVIDE THREE (3) 1 1/2" CONDUITS INTERCONNECTING THE NEW STORM SHELTER TO THE EXISTING SCHOOL ABOVE CEILINGS. CONDUITS SHALL COMPLY WITH ICC500 WHEN PENETRATING THE STORM SHELTER.
3. CONTRACTOR SHALL CONNECT NEW FIRE ALARM DEVICES TO EXISTING NOTIFIER TYPE FIRE ALARM CONTROL PANEL. CONTRACTOR SHALL EXPAND EXISTING SYSTEM AS REQUIRED TO ACCOMMODATE NEW DEVICES. CONTRACTOR SHALL TEST AND CERTIFY EXISTING SYSTEM UPON COMPLETION OF NEW WORK.

1/8" = 1'-0
8' 0 8 16 FT
GRAPHIC SCALE

Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14
Millbrook, AL 36054
Tel: 334.285.1273
1200 Providence Park, Suite 200
Birmingham, AL 35242
GA#22-134

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

ALABAMA LICENSED PROFESSIONAL ENGINEER
Kenneth Ray Williams
No. 26886
06-09-2022

SHEET TITLE : COOSA VALLEY FLOOR PLAN - AUXILIARY

MCKEE JOB # : 21.184

PSCA # :

DRAWN BY : J. TILLERY

DATE: 06.09.2022

REVISED DATE:

REVISED DATE:

REVISED DATE:

SHEET NO. : E4.2

AN ON-SITE PLOT, JULY 6, 2022 - 1:00PM, JTILLERY

LIGHTING FIXTURE SCHEDULE

TYPE:	MANUFACTURER NUMBER AND EQUALS:	VOLTAGE:	MOUNTING:	LAMP TYPE:	LAMP QUANTITY:	DESCRIPTION:
D2	PRESCOLITE NO. LTR-6RD-H-ML-30L-DM1-LTR-6RD-T-ML40K8MDSWT OR PRIOR APPROVED EQUAL BY WILLIAMS, LITHONIA OR COOPER	MVOLT	RECESSED	LED	3000 LUMEN	6 INCH 3000 LUMEN LED DOWNLIGHT 4000K TEMPETURE LAMPS AND FEATURE REMOTE PHOSPHOR TECHNOLOGY ENABLING A HIGH SYSTEM EFFICACY AND MINIMUM 80 CRI. WET LOCATION
LG22	LITHONIA NO. EPANL 2X2 400LM 80CRI 40K ZT MVOLT OR EQUALS BY HUBBELL, COOPER, & WILLIAMS	MVOLT	RECESSED	LED	5000 LUMEN	2'X2' 4000-LUMEN FLAT PANEL FIXTURE. 0-10V DIMMING CAPABLE.
LG48	LITHONIA NO. EPANL 2X4 4800LM 80CRI 40K ZT MVOLT OR EQUALS BY HUBBELL, COOPER, & WILLIAMS	MVOLT	RECESSED	LED	5000 LUMEN	2'X4' 5000-LUMEN FLAT PANEL FIXTURE. 0-10V DIMMING CAPABLE.
LG60	LITHONIA NO. EPANL 2X4 6000LM 80CRI 40K ZT MVOLT OR EQUALS BY HUBBELL, COOPER, & WILLIAMS	MVOLT	RECESSED	LED	6000 LUMEN	2'X4' 6000-LUMEN FLAT PANEL FIXTURE. 0-10V DIMMING CAPABLE.
LG72	LITHONIA NO. EPANL 2X4 6800LM 80CRI 40K ZT MVOLT OR EQUALS BY HUBBELL, COOPER, & WILLIAMS	MVOLT	RECESSED	LED	7200 LUMEN	2'X4' 7500-LUMEN FLAT PANEL FIXTURE. 0-10V DIMMING CAPABLE.
LS1	HUBBELL NO. LCL-2-40K-ML-E-MVOLT-CSHC OR PRIOR APPROVED EQUALS BY LITHONIA, LSI, OR COOPER	MVOLT	SURFACE OR CHAIN HUNG	LED	2805 LUMEN	SURFACE MOUNTED 2'-0" LED STRIP. CHAIN HANG WHEN SURFACE MOUNT IS NOT POSSIBLE.
LS2	HUBBELL NO. LCL-4-40K-ML-E-MVOLT-CSHC OR PRIOR APPROVED EQUALS BY LITHONIA, LSI, OR COOPER	MVOLT	SURFACE OR CHAIN HUNG	LED	5300 LUMEN	SURFACE MOUNTED 4'-0" LED STRIP. CHAIN HANG WHEN SURFACE MOUNT IS NOT POSSIBLE.
WP1	HUBBELL NO. QSP-30L-4000K-053-TYPE 3-U-COLOR BY ARCH - SCP-20F OR PRIOR APPROVED EQUALS BY LITHONIA, WILLIAMS, OR COOPER	MVOLT	WALL	LED	5700 LUMEN	DARK BRONZE EXTERIOR LED LIGHT. UL LISTED FOR WET LOCATIONS.
EXIT SIGN	LITHONIA NO. LQM - W - 120/277 - ELNSD - WIREGUARDS IN SHOPS OR PRIOR APPROVED EQUAL BY EMERGI-LITE, MCPHILBEN, OR PRESCOLITE	MVOLT	UNIVERSAL	LED	LED	THERMOPLASTIC 1,000-LUMEN COMBO LED EXIT SIGN EGRESS LIGHT. PROVIDE WITH NUMBER OF FACES AND DIRECTIONAL ARROWS AS SHOWN ON DRAWINGS. COORDINATE COLOR OF SIGNAGE WITH LOCAL REQUIREMENTS. PROVIDE WITH EMERGENCY BATTERY.

NOTES:

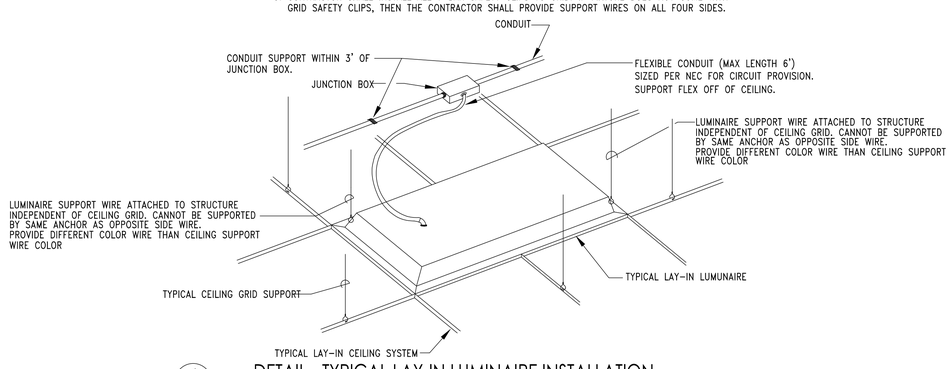
1. ARCHITECT RESERVES THE RIGHT TO SELECT ALL COLORS OR MAKE CUSTOM COLOR DURING SHOP DRAWING REVIEW. BID ACCORDINGLY.
2. COORDINATE MOUNTING OF ALL LUMINAIRES WITH ARCHITECTURAL ELEVATIONS PRIOR TO INSTALLATION
3. PROVIDE EMERGENCY BATTERY BALLAST FOR ALL EMERGENCY TYPE FIXTURES CAPABLE OF 90-MINUTES. ALL EMERGENCY LIGHTS IN SAFE AREA SHALL BE CONNECTED TO THE BATTERY INVERTER FOR 180-MINUTES OF RUN TIME.
6. FOR WARRANTY AND LONG TERM SUPPORT FOR OWNER, ALL LIGHTING FIXTURES SHALL BE PURCHASED THROUGH MANUFACTURER REPRESENTATIVES LOCATED IN THE STATE OF ALABAMA. SUBMITTALS RECEIVED THAT DO NOT COMPLY WITH THIS REQUIREMENT WILL BE REJECTED WITHOUT REVIEW. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIABLE FOR ANY DELAYS CAUSED BY NON COMPLIANCE WITH THIS REQUIREMENT.
7. ALL INTERIOR LIGHTS SHALL HAVE 4000K TEMPERTURE LAMPS, UNLESS NOTED OTHERWISE.
8. ALL EXTERIOR LIGHTS SHALL HAVE 4000K TEMPERTURE LAMPS.

LUMINAIRE NOTES:

1. ALL LUMINAIRES AND INSTALLATION SHALL BE IN ACCORDANCE WITH NEC, NFPA AND LOCAL CODES. ALL LUMINAIRES SHALL BE UL LISTED AND INSTALLED IN ACCORDANCE WITH THE UL LISTING.
2. LUMINAIRES SHALL BE FURNISHED COMPLETE WITH THE PROPER LAMP BASE OR PIN RECEPTORS, WIRING COMPONENTS, LAMPS, SUPPORTING FRAMES AND DEVICES, ETC., FOR A COMPLETE INSTALLATION.
3. ALL LUMINAIRE DEVICES, COMPONENTS, FITTINGS, SUPPORTS, ETC., SHALL BE COORDINATED TO PROVIDE A COMPLETE UL LISTED INSTALLATION
4. ALL LUMINAIRES BALLAST, DRIVERS, LAMPS, ETC SHALL BE COMPATIABLE WITH THE LIGHTING CONTROL SYSTEM OR DIMMING CONTROL SYSTEM PROVIDED.
5. SECURE EACH LAY-IN LUMINAIRE AT TWO LOCATIONS TO THE CEILING GRID. PROVIDE BOLTS, SCREWS, RIVETS OR APPROVED CLIPS FOR USE WITH THE TYPE CEILING AND LUMINAIRE INSTALLED.
6. ALL LUMINAIRES IN MECHANICAL AND ELECTRICAL ROOMS SHALL BE INSTALLED TO CLEAR ELECTRICAL EQUIPMENT, DUCT, PIPING, ETC., SUSPEND BELOW OBSTRUCTION WHEN CONFLICTS OCCUR.
7. ALL LED LUMINARIES SHALL BE PROVIDED WITH 4000K COLOR TEMPERATURE LAMPS, UNLESS NOTED OTHERWISE.
8. ARCHITECT RESERVES THE RIGHT TO SELECT ALL COLORS FOR LUMINAIRES, POLES, MOUNTING ACCESSORIES, ETC. DURING SHOP DRAWING REVIEW.
9. COORDINATE LUMINAIRE MOUNTING WITH ARCHITECTURAL ELEVATIONS PRIOR TO INSTALLATION.
10. ALL EXIT SIGNS AND LUMINAIRES DESIGNATED AS EMERGENCY SHALL BE PROVIDED WITH A MINIMUM 1100 LUMEN EMERGENCY BATTERY BALLAST CAPABLE OF 90 MINUTES OF ILLUMINATION. X DESIGNATION MEANS DIFFERENT TYPE BATTERY SEE SCHEDULE.
11. CONTRACTOR SHALL PROVIDE ALL SLOPE ADAPTERS, FLANGE KITS, TRIMS, AND ALL OTHER MOUNTING ACCESSORIES AS NEEDED TO MOUNT EACH LUMINAIRE IN CEILINGS AS SHOWN. COORDINATE WITH ARCHITECTURAL REFLECTED CEILING PLANS.
12. PROVIDE ALL EXIT SIGNS WITH DIRECTIONAL ARROWS AS SHOWN ON DRAWINGS.

NOTES:

1. ALL RECESSED LUMINAIRES SHALL BE WIRED FROM A JUNCTION BOX AS SHOWN, INCLUDING LUMINAIRES IN A CONTINUOUS ROW. NO WIRING THRU FIXTURES. NO MORE THAN TWO LUMINAIRES SHALL BE CIRCUITED TO ONE JUNCTION BOX.
2. LUMINAIRE SUPPORT WIRES TO BE A MINUMUM OF #14 GAGE PRE-STRAINED GALVINIZED WIRE ATTACHED AT OPPOSITE CORNERS. LUMINAIRE SHALL BE SUPPORTED TO THE STRUCTURE INDEPENDENT OF THE CEILING GRID.
3. CONDUCTORS IN FLEXIBLE CONDUIT FROM JUNCTION BOX TO LUMINAIRE SHALL CONTAIN AN INSULATED GREEN GROUND WIRE, WITH NEUTRAL AND PHASE CONDUCTORS REQUIRED FOR THE CIRCUITING AND SWITCHING REQUIREMENTS INDICATED.
4. JUNCTION BOXES SHALL BE ACCESSIBLE AND LOCATED WITHIN 1'-6" ABOVE LAY-IN CEILING INSTALLATION. PROVIDE PENDANT ALL-THREAD RODS AND/OR STRUT ASSEMBLIES TO MEET THIS REQUIREMENT WHERE DROP CEILING IS MORE THAN 1'-6" FROM STRUCTURE.
5. CONTRACTOR SHALL INSTALL ALL T-BAR SAFETY CLIPS TO GRID. IF FIXTURE DOES NOT COME WITH GRID SAFETY CLIPS, THEN THE CONTRACTOR SHALL PROVIDE SUPPORT WIRES ON ALL FOUR SIDES.

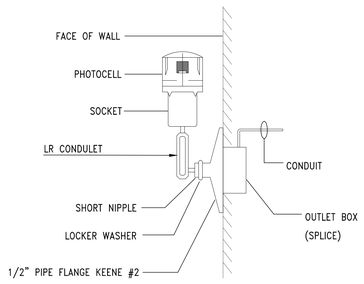


1 E5.1 DETAIL - TYPICAL LAY-IN LUMINAIRE INSTALLATION

NO SCALE

NOTES

1. PAINT CONDUIT NIPPLE, SOCKET AND PIPE FLANGE WITH TWO COATS OF ENAMEL.
2. COMPLETE ASSEMBLY TO BE UL LISTED FOR WET LOCATIONS.
3. PHOTOCELL TO BE MOUNTED FACING NORTH FREE FROM ALL SHADOWS WHICH MIGHT CAUSE PHOTOCELL TO TURN LIGHTS ON EARLY. CONTRACTOR SHALL COORDINATE PROPER MOUNTING LOCATION PRIOR TO INSTALLATION.



2 E5.1 DETAIL - INSTALLATION OF PHOTO-CELL

NO SCALE

Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14
Millbrook, AL 36054
Tel: 334.285.1273
1200 Providence Park, Suite 200
Birmingham, AL 35242
GA#22-134

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

ALABAMA REGISTERED PROFESSIONAL ENGINEER KENNETH RAY GUNN JR. NO. 26995 06-09-2022

SHEET TITLE : LIGHTING SCHEDULE, DETAILS & NOTES

MCKEE JOB # : 21.184

PSCA # :

DRAWN BY : J. TILLERY

DATE: 06.09.2022

REVISED DATE:

REVISED DATE:

REVISED DATE:

SHEET NO. : E5.1

- Thursday, June 9, 2022 2:35:21 AM

PANEL - PP1 (EDEN ELEMENTARY)

TYPE: 250 AMP MAIN LUG | AIC: 42,000 AMPERES | MOUNTED: SURFACE | VOLTAGE: 277/480 VOLTS, 3 PHASE, 4 WIRE

CIRCUIT DIRECTORY	(VA) PER PHASE PHASE A	PHASE B	PHASE C	AMP	POLE	CIRCUIT NUMBER		AMP	POLE	(VA) PER PHASE PHASE A	PHASE B	PHASE C	CIRCUIT DIRECTORY
SPARE				20	1	1	2	70		14,628			TX-1
EXTERIOR LIGHTS		550		20	1	3	4				20,688		
LIGHTS			2,483	20	1	5	6		3			8,880	
OHP-A1	6,233			50		7	8	60		11,634			IHP-A1
		6,233				9	10				11,634		
			6,233		3	11	12		3			11,634	
OHP-B1	4,848			40		13	14	50		9,252			IHP-B1
		4,848				15	16				9,252		
			4,848		3	17	18		3			9,252	
SPARE				50		19	20	20		3,000			INVERTER
						21	22				3,000		
					3	23	24		3			3,000	
SPARE				40		25	26						BUSSED SPACE
						27	28						BUSSED SPACE
					3	29	30						BUSSED SPACE
BUSSED SPACE						31	32						BUSSED SPACE
BUSSED SPACE						33	34						BUSSED SPACE
BUSSED SPACE						35	36						BUSSED SPACE
BUSSED SPACE						37	38						BUSSED SPACE
BUSSED SPACE						39	40						BUSSED SPACE
BUSSED SPACE						41	42						BUSSED SPACE
SUB TOTAL (VA)	11,081	11,631	13,564							38,514	44,574	32,766	SUB TOTAL (VA)

TOTAL LOAD PHASE A: 49,595 (VA)
TOTAL LOAD PHASE B: 56,205 (VA)
TOTAL LOAD PHASE C: 46,330 (VA)
TOTAL LOAD: 152,130 (VA) = 183 AMPS

NOTES:
1. PANELBOARD TO BE BOLT-ON TYPE WITH DOOR-IN-DOOR CONSTRUCTION.
2. PROVIDE ARC FAULT LABEL PER DETAIL.

PANEL - RP1 (EDEN ELEMENTARY)

TYPE: 200 AMP MAIN CIRCUIT BREAKER | AIC: 22,000 AMPERES | MOUNTED: SURFACE | VOLTAGE: 120/208 VOLTS, 3 PHASE, 4 WIRE

CIRCUIT DIRECTORY	(VA) PER PHASE PHASE A	PHASE B	PHASE C	AMP	POLE	CIRCUIT NUMBER		AMP	POLE	(VA) PER PHASE PHASE A	PHASE B	PHASE C	CIRCUIT DIRECTORY
RECEPTACLES	1,200			20	1	1	2	20	1	1,200			RECEPTACLES
CHAIR LIFT		2,880		30	1	3	4	20	1		1,200		RECEPTACLES
SPARE				30		5	6	20	1			900	RECEPTACLES
					2	7	8	20	1	1,400			RECEPTACLES
OCCHP-A1		2,880		30		9	10	20	1		1,400		RECEPTACLES
			2,880		2	11	12	20	1			600	RECEPTACLES
WH-1	2,250			30		13	14	20	1	1,200			RECEPTACLES
		2,250			2	15	16	20	1		1,200		RECEPTACLES
CP-1 & TC-1			600	20	1	17	18	20	1			900	RECEPTACLES
TWHP-A1	2,880			30		19	20	20	1	1,200			RECEPTACLES
		2,880			2	21	22	20	1		1,200		RECEPTACLES
CON-1 & CON-2			600	20	1	23	24	20	1			900	RECEPTACLES
ODHP-A1	1,498			30		25	26	20	1	1,200			RECEPTACLES
		1,498			2	27	28	20	1		1,200		RECEPTACLES
SPARE						29	30	20	1			900	RECEPTACLES
SPARE						31	32	20	1	600			UV-1
SPARE						33	34	20	1		600		UV-2
SPARE						35	36	20	1			600	UV-3
SPARE						37	38	20	1				SPARE
SPARE						39	40	30	1		1,500		TBB-UPS
SPARE						41	42	20	1				TBB
BUSSED SPACE						43	44	20	1				SPARE
BUSSED SPACE						45	46	20	1				SPARE
BUSSED SPACE						47	48	20	1				SPARE
BUSSED SPACE						49	50	20	1				SPARE
BUSSED SPACE						51	52	20	1				SPARE
BUSSED SPACE						53	54	20	1				SPARE
BUSSED SPACE						55	56	20	1				SPARE
BUSSED SPACE						57	58	20	1				SPARE
BUSSED SPACE						59	60	20	1				SPARE
BUSSED SPACE						61	62	20	1				SPARE
BUSSED SPACE						63	64	20	1				SPARE
BUSSED SPACE						65	66	20	1				SPARE
BUSSED SPACE						67	68	20	1				SPARE
BUSSED SPACE						69	70	20	1				SPARE
BUSSED SPACE						71	72	20	1				SPARE
BUSSED SPACE						73	74	20	1				SPARE
BUSSED SPACE						75	76	20	1				SPARE
BUSSED SPACE						77	78	20	1				SPARE
BUSSED SPACE						79	80	20	1				SPARE
BUSSED SPACE						81	82	20	1				SPARE
BUSSED SPACE						83	84	20	1				SPARE
SUB TOTAL (VA)	7,828	12,388	4,080							6,800	8,300	4,800	SUB TOTAL (VA)

TOTAL LOAD PHASE A: 14,628 (VA)
TOTAL LOAD PHASE B: 20,688 (VA)
TOTAL LOAD PHASE C: 8,880 (VA)
TOTAL LOAD: 44,196 (VA) = 123 AMPS

NOTES:
1. PANELBOARD TO BE BOLT-ON TYPE WITH DOOR-IN-DOOR CONSTRUCTION.
2. PROVIDE ARC FAULT LABEL PER DETAIL.

PANEL - PP1 (COOSA VALLEY)

TYPE: 600 AMP MAIN LUGS ONLY | AIC: 22,000 AMPERES | MOUNTED: SURFACE | VOLTAGE: 120/208 VOLTS, 3 PHASE, 4 WIRE

CIRCUIT DIRECTORY	(VA) PER PHASE PHASE A	PHASE B	PHASE C	AMP	POLE	CIRCUIT NUMBER		AMP	POLE	(VA) PER PHASE PHASE A	PHASE B	PHASE C	CIRCUIT DIRECTORY
WH-1	2,250			30		1	2	20	1	1,200			CON-1-2-3
		2,250			2	3	4	20	1				SPARE
CP-1			600	20	1	5	6	20	1				SPARE
IHP-E1	4,440			50		7	8	40		2,052			OHP-E1
		4,440				9	10				2,052		
			4,440		3	11	12		3			2,052	
IHP-C1	3,600			40		13	14	30		1,500			OHP-C1
		3,600				15	16				1,500		
			3,600		3	17	18		3			1,500	
IHP-C2	3,600			40		19	20	30		1,500			OHP-C2
		3,600				21	22				1,500		
			3,600		3	23	24		3			1,500	
IHP-C3	3,600			40		25	26	30		1,500			OHP-C3
		3,600				27	28				1,500		
			3,600		3	29	30		3			1,500	
IHP-D1	4,440			50		31	32	40		2,052			OHP-D1
		4,440				33	34				2,052		
			4,440		3	35	36		3			2,052	
SPARE				60		37	38	40		3,000			INVERTER
						39	40				3,000		
					3	41	42		3			3,000	
ODHP-A1	1,498			30		43	44						BUSSED SPACE
		1,498			2	45	46						BUSSED SPACE
SPARE				20	1	47	48						BUSSED SPACE
SPARE				30		49	50						BUSSED SPACE
						51	52						BUSSED SPACE
					3	53	54						BUSSED SPACE
BUSSED SPACE						55	56						BUSSED SPACE
BUSSED SPACE						57	58						BUSSED SPACE
BUSSED SPACE						59	60						BUSSED SPACE
BUSSED SPACE						61	62						BUSSED SPACE
BUSSED SPACE						63	64						BUSSED SPACE
BUSSED SPACE						65	66						BUSSED SPACE
BUSSED SPACE						67	68						BUSSED SPACE
BUSSED SPACE						69	70						BUSSED SPACE
BUSSED SPACE						71	72						BUSSED SPACE
BUSSED SPACE						73	74						BUSSED SPACE
BUSSED SPACE						75	76						BUSSED SPACE
BUSSED SPACE						77	78						BUSSED SPACE
PANEL RP1	12,274			225		79	80						BUSSED SPACE
		14,456				81	82						BUSSED SPACE
			11,197		3	83	84						BUSSED SPACE
SUB TOTAL (VA)	35,702	37,884	31,477							12,804	11,604	11,604	

TOTAL LOAD PHASE A: 48,506 (VA)
TOTAL LOAD PHASE B: 49,488 (VA)
TOTAL LOAD PHASE C: 43,081 (VA)
TOTAL LOAD: 141,075 (VA) = 392 AMPS

NOTES:
1. PANELBOARD TO BE BOLT-ON TYPE WITH DOOR-IN-DOOR CONSTRUCTION.
2. PROVIDE ARC FAULT LABEL PER DETAIL.

PANEL - RP1 (COOSA VALLEY)

TYPE: 225 AMP MAIN LUGS ONLY | AIC: 22,000 AMPERES | MOUNTED: SURFACE | VOLTAGE: 120/208 VOLTS, 3 PHASE, 4 WIRE

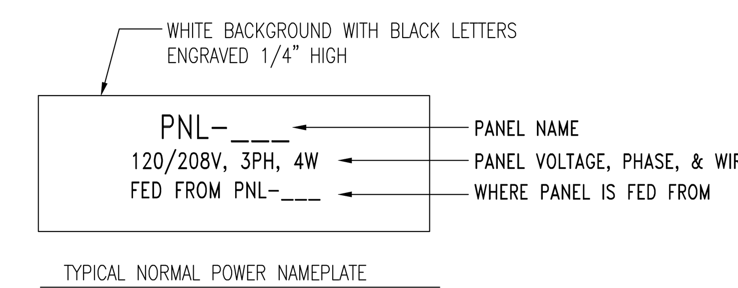
CIRCUIT DIRECTORY	(VA) PER PHASE PHASE A	PHASE B	PHASE C	AMP	POLE	CIRCUIT NUMBER		AMP	POLE	(VA) PER PHASE PHASE A	PHASE B	PHASE C	CIRCUIT DIRECTORY
LIGHTING	1,212			20	1	1	2	20	1	1,200			RECEPTACLES
LIGHTING		1,412		20	1	3	4	20	1		1,200		RECEPTACLES
EXTERIOR LIGHTS			515	20	1	5	6	20	1			1,200	RECEPTACLES
CHAIR LIGT	2,880			30	1	7	8	20	1	900			RECEPTACLES
SPARE				20	1	9	10	20	1		1,200		RECEPTACLES
RECEPTACLE			1,200	20	1	11	12	20	1			1,200	RECEPTACLES
HAND DRYER	1,400			20	1	13	14	20	1	900			RECEPTACLES
HAND DRYER		1,400		20	1	15	16	20	1		1,200		RECEPTACLES
RECEPTACLE			600	20	1	17	18	20	1			1,200	RECEPTACLES
OCCHP-A1	1,082			20		19	20	20	1	900			RECEPTACLES
		1,082			2	21	22	20	1		1,200		RECEPTACLES
SPARE				30		23	24	20	1			1,200	RECEPTACLES
					2	25	26	20	1	900			RECEPTACLES
ODHP-B1		1,082		20		27	28	20	1		1,200		RECEPTACLES
			1,082		2	29	30	20	1			1,200	RECEPTACLES
BUSSED SPACE						31	32	20	1	300			UV-1
BUSSED SPACE						33	34	20	1		600		UV-2A 2B
BUSSED SPACE						35	36	20	1			600	UV-3A 3B
BUSSED SPACE						37	38	20	1	600			RECETPACLE
BUSSED SPACE						39	40	20	1				SPARE
BUSSED SPACE						41	42	20	1				SPARE
BUSSED SPACE						43	44	20	1				SPARE
BUSSED SPACE						45	46	20	1				SPARE
BUSSED SPACE						47	48	20	1				SPARE
BUSSED SPACE						49	50	20	1				SPARE
BUSSED SPACE						51	52	20	1				SPARE
BUSSED SPACE						53	54	20	1				SPARE
BUSSED SPACE						55	56	20	1				SPARE
BUSSED SPACE						57	58	20	1				SPARE
BUSSED SPACE						59	60	20	1				SPARE
BUSSED SPACE						61	62	20	1				SPARE
BUSSED SPACE						63	64	20	1				SPARE
BUSSED SPACE						65	66	20	1				SPARE
BUSSED SPACE						67	68	20	1				SPARE
BUSSED SPACE						69	70	20	1				SPARE
BUSSED SPACE						71	72	20	1				SPARE
BUSSED SPACE						73	74	20	1				SPARE
BUSSED SPACE						75	76	20	1				SPARE
BUSSED SPACE						77	78	20	1				SPARE
BUSSED SPACE						79	80	20	1				SPARE
BUSSED SPACE						81	82	30	1		2,880		TBB UPS
BUSSED SPACE						83	84	20	1			1,200	TBB
SUB TOTAL (VA)	6,574	4,976	3,397							5,700	9,480	7,800	

TOTAL LOAD PHASE A: 12,274 (VA)
TOTAL LOAD PHASE B: 14,456 (VA)
TOTAL LOAD PHASE C: 11,197 (VA)
TOTAL LOAD: 37,927 (VA) = 105 AMPS

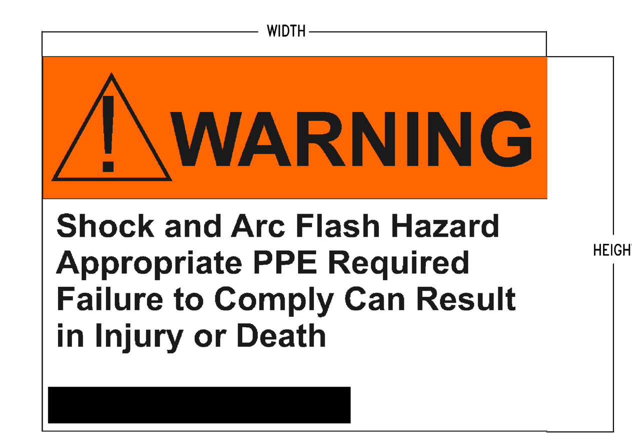
NOTES:
1. PANELBOARD TO BE BOLT-ON TYPE WITH DOOR-IN-DOOR CONSTRUCTION.
2. PROVIDE ARC FAULT LABEL PER DETAIL.
3. PROVIDE LOCK HANDLE CIRCUIT BREAKER.

PANELBOARD NOTES:

1. PANELBOARDS SHALL BE INSTALLED AND ALL CLEARANCES MAINTAINED IN ACCORDANCE WITH THE NEC.
2. ALL PANELBOARDS SHALL BE UL LISTED AND INSTALLED IN ACCORDANCE WITH THAT LISTING.
3. PANELBOARDS SHALL BE FURNISHED COMPLETE WITH THE PROPERLY SIZED ENCLOSURE, INTERNAL HARDWARE, COMPONENTS, SUPPORTING STRUCTURES, ETC., FOR A COMPLETE INSTALLATION.
4. FURNISH EACH PANELBOARD WITH A GROUND BAR BONDED TO THE PANEL ENCLOSURE.
5. THE TERMINATION POINT OF THE FEEDER SERVING EACH ASSEMBLY SHALL BE AT THE NEAREST POINT OF FEEDER ENTRY INTO THE PANEL, SO AS TO MINIMIZE CONDUCTOR FILL IN THE ENCLOSURE. COORDINATE TOP/BOTTOM FEED PANELBOARD PROVISIONS WITH EACH FEEDER INSTALLATION.
6. PROVIDE THE PROPER SIZE AND QUANTITY OF CONDUCTOR TERMINATION POINTS OR LUGS (MULTIPLE LUGS WHEN PARALLEL FEEDERS ARE USED) ON BUSES AND CIRCUIT BREAKERS FOR THE RESPECTIVE SIZE AND NUMBER OF CONDUCTORS INDICATED.
7. ALL FLUSH-MOUNTED PANELBOARDS SHALL BE PROVIDED WITH AT LEAST SIX (6) 3/4" SPARE CONDUITS STUBBED TO ABOVE THE NEAREST ACCESSIBLE CEILING.
8. PANELBOARDS SHALL BE FULLY RATED. SERIES RATED PANELBOARDS WILL NOT BE ACCEPTED.
9. ALL PANELBOARDS SHALL BE CLEARLY MARKED TO COMPLY WITH NEC ARTICLE 110.16 WITH REGARD TO POTENTIAL HAZARDS OF ARC FLASH.
10. ALL PANELBOARDS SHALL BE "DOOR-IN-DOOR" OR "HINGED-FRONT-TRIM" CONSTRUCTION.
11. COMPLY WITH NEC ARTICLE 408.4. PROVIDE A TYPED CIRCUIT DIRECTORY THAT INDICATES WHAT EACH CIRCUIT IS SERVING. FOR LIGHTING AND RECEPTACLE CIRCUITS, INCLUDE THE ROOM NUMBER IN THE CIRCUIT DESCRIPTION ON THE DIRECTORY.
12. EACH PANELBOARD SHALL HAVE A NAMEPLATE AS SHOWN IN DETAIL 1 ON THIS SHEET. ENGINEER WILL NOT PROVIDE FINAL ACCEPTANCE UNTIL THESE NAMEPLATES ARE PROVIDED.



1 / E5.2 — DETAIL - TYPICAL PANELBOARD NAMEPLATE
NO SCALE



NOTES:
1. PROVIDE SELF-ADHESIVE VINYL LABEL TO AFFIX TO ELECTRICAL EQUIPMENT TO WARN OF ARC FLASH HAZARDS.
2. THE LABEL FORMAT AND TEXT SHALL BE IN ACCORDANCE WITH THE FIGURE.
3. THE LABEL SHALL BE LOCATED ON THE EQUIPMENT TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF THE EQUIPMENT.
4. THE SIZE OF THE LABEL SHALL BE:

EQUIPMENT TYPE	HEIGHT	WIDTH
INDOOR	4"	6"
OUTDOOR	4"	6"

2 / E5.2 — ARC FLASH WARNING LABELS
NO SCALE

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY , ALABAMA 36104 (334) 834-9933

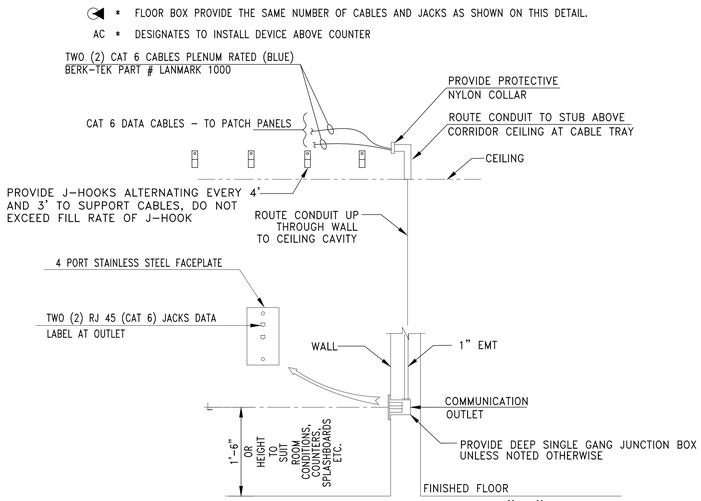
SHEET TITLE : PANELBOARD SCHEDULE, DETAILS & NOTES

MCKEE JOB # : 21.184
PSCA # :
DRAWN BY : J. TILLERY
DATE: 06.09.2022
REVISED DATE:
REVISED DATE:
REVISED DATE:

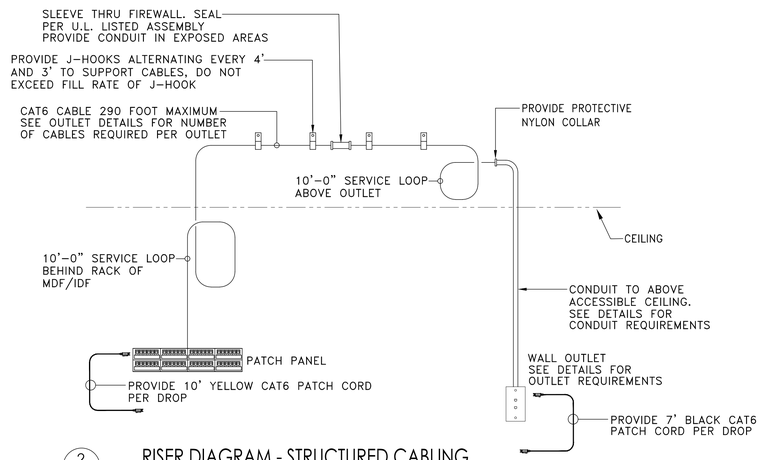
Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14, Millbrook, AL 36054, Tel: 334.285.1273
1200 Providence Park, Suite 200, Birmingham, AL 35242
GA#22-134

SHEET NO. : E5.2

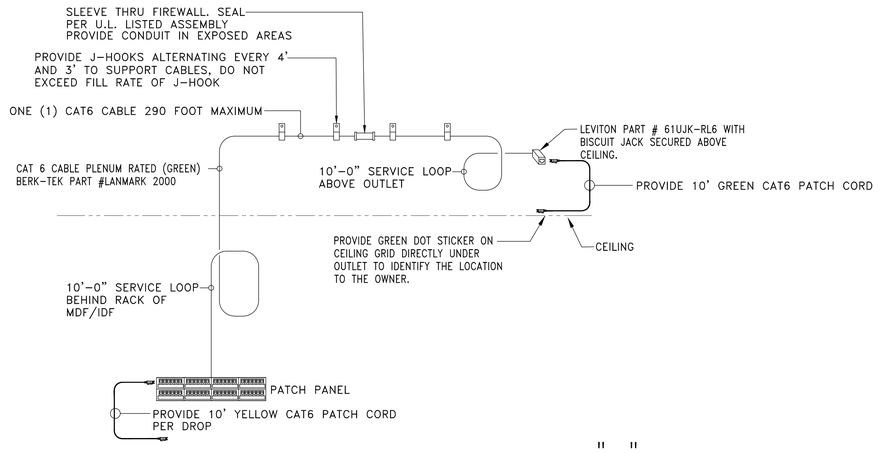
DATA CABLING & KEYSTONE COLOR CODE REQUIREMENT	
DATA CABLING	BLUE
WIRELESS ACCESS CABLING	GREEN
SECURITY CAMERA CABLING	ORANGE



1 E6.1 DETAIL - TYPICAL COMMUNICATIONS OUTLET "▽"
NO SCALE

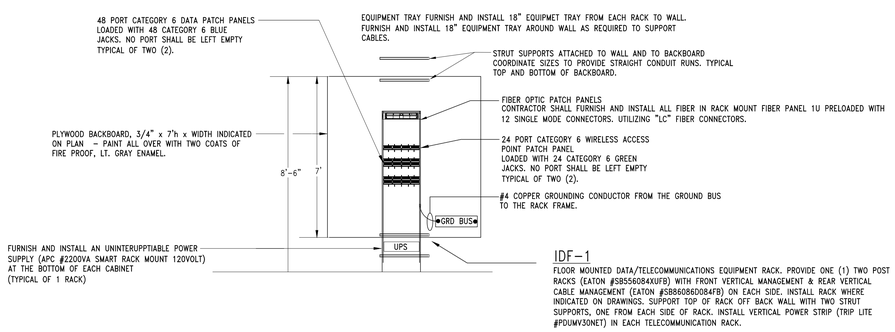


2 E6.1 RISER DIAGRAM - STRUCTURED CABLING
NO SCALE



3 E6.1 DETAIL - TYPICAL WIRELESS ACCESS POINT OUTLET "W"
NO SCALE

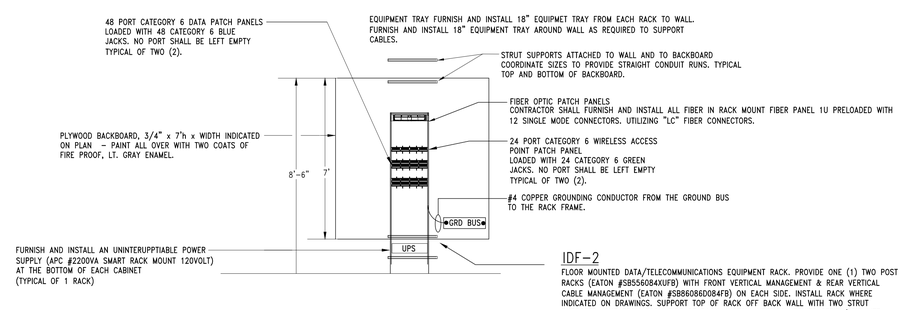
*ALL DATA CABLES SHALL BE TERMINATED ON DATA PATCH PANELS
*ALL WIRELESS ACCESS CABLES SHALL BE TERMINATED ON WIRELESS ACCESS PATCH PANELS
*ALL FIBER OPTIC CONNECTIONS SHALL BE "LC" TYPE



IDF-1
FLOOR MOUNTED DATA/TELECOMMUNICATIONS EQUIPMENT RACK. PROVIDE ONE (1) TWO POST RACKS (EATON #SB556084XUFB) WITH FRONT VERTICAL MANAGEMENT & REAR VERTICAL CABLE MANAGEMENT (EATON #SB860860084FB) ON EACH SIDE. INSTALL RACK WHERE INDICATED ON DRAWINGS. SUPPORT TOP OF RACK OFF BACK WALL WITH TWO STRUT SUPPORTS, ONE FROM EACH SIDE OF RACK. INSTALL VERTICAL POWER STRIP (TRIP LITE #PDUMV30NET) IN EACH TELECOMMUNICATION RACK.

4 E6.1 IDF-1 COMMUNICATIONS RACK ELEVATION
NO SCALE

*ALL DATA CABLES SHALL BE TERMINATED ON DATA PATCH PANELS
*ALL WIRELESS ACCESS CABLES SHALL BE TERMINATED ON WIRELESS ACCESS PATCH PANELS
*ALL FIBER OPTIC CONNECTIONS SHALL BE "LC" TYPE



IDF-2
FLOOR MOUNTED DATA/TELECOMMUNICATIONS EQUIPMENT RACK. PROVIDE ONE (1) TWO POST RACKS (EATON #SB556084XUFB) WITH FRONT VERTICAL MANAGEMENT & REAR VERTICAL CABLE MANAGEMENT (EATON #SB860860084FB) ON EACH SIDE. INSTALL RACK WHERE INDICATED ON DRAWINGS. SUPPORT TOP OF RACK OFF BACK WALL WITH TWO STRUT SUPPORTS, ONE FROM EACH SIDE OF RACK. INSTALL VERTICAL POWER STRIP (TRIP LITE #PDUMV30NET) IN EACH TELECOMMUNICATION RACK.

5 E6.1 IDF-2 COMMUNICATIONS RACK ELEVATION
NO SCALE

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EDEN ELEMENTARY ADDITION
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ALABAMA REGISTERED ARCHITECT KENNETH RAY GUNN
No. 26980
PROFESSIONAL ENGINEER
06-09-2022

SHEET TITLE : COMMUNICATIONS RISER, DETAILS, & NOTES

MCKEE JOB # : 21.184

PSCA # :

DRAWN BY : J. TILLERY

DATE: 06.09.2022

REVISED DATE:

REVISED DATE:

REVISED DATE:

SHEET NO. : E6.1

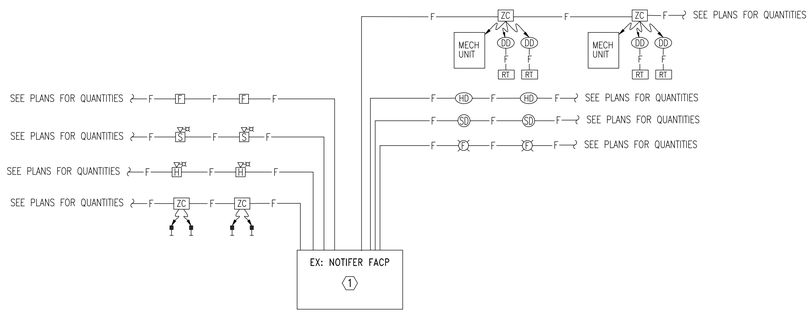
MM 27-SEP-2022 Wednesday, June 8, 2022 - 11:

FIRE ALARM SYSTEM NOTES:

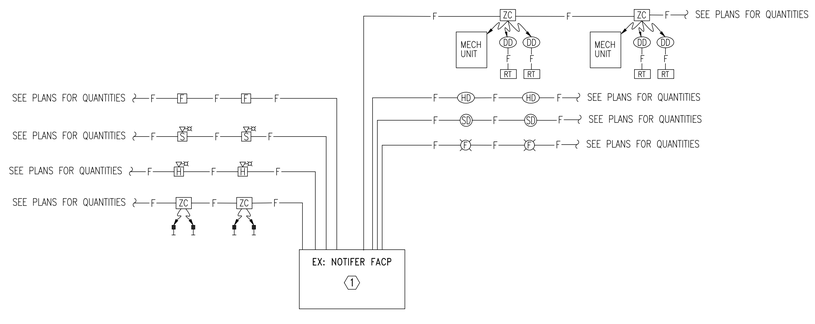
1. THE FIRE ALARM SYSTEM SHALL BE A COMPLETE SUPERVISED DETECTION AND ALARM SYSTEM. PROVIDE PRIMARY POWER CIRCUITS AND ALARM NOTIFICATION AND INITIATING CIRCUITS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
2. INSTALLATION SHALL COMPLY WITH THE ADA, NEC, NFPA, AND UL.
3. ALL SYSTEM COMPONENTS, ENCLOSURES, FRAMES, SURGE ARRESTORS, ETC., SHALL BE GROUNDED.
4. THE FIRE ALARM WIRING SYSTEM SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS FOR CLASS "B" SYSTEM AND AS FOLLOWS:
   PRIMARY POWER – 120V AC
   NOTIFICATION APPLIANCE CIRCUITS (NAC) – 24V DC
   SIGNALING LINE CIRCUIT (SLC) – 24V DC
5. ALL EQUIPMENT AND DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS, APPLICABLE STANDARDS AND ACCESSIBLE FOR VISUAL INSPECTION AND MAINTENANCE. WIRING DIAGRAMS SHALL BE SECURED FROM THE SYSTEM MANUFACTURER AND INSTALLED ACCORDINGLY TO MEET THE SPECIFIED TYPES.
6. A "CERTIFICATE OF COMPLETION" IN ACCORDANCE WITH NFPA 72 SHALL BE FURNISHED PRIOR TO FINAL ACCEPTANCE.
7. CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND PROVIDING ALL FIRE ALARM DEVICE QUANTITIES FROM AUXILIARY DRAWINGS. DO NOT USE THIS RISER FOR DEVICE COUNTS.
8. PROVIDE ADDITIONAL NOTIFICATION APPLIANCE CIRCUIT PANELS, AMPLIFIERS, POWER SUPPLIES, ETC. FOR FUTURE CAPACITY TO HAVE SYSTEM WORK CORRECTLY AS ONE SYSTEM.
9. PROVIDE ADDITIONAL 100% SPARE CAPACITY IN FIRE ALARM CONTROL PANEL FOR FUTURE USE.
10. PROVIDE EMERGENCY BATTERIES CAPABLE OF RUNNING THE COMPLETE FIRE ALARM SYSTEM IN ALARM MODE, PER NFPA GUIDELINES AT A MINUMUM. BATTERIES SHALL BE SIZED TO HANDLE THE FUTURE CAPACITY.
11. THE FIRE ALARM SYSTEM SHALL BE MONITORED BY AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH NFPA 72. PROVIDE DIALER FOR MONITORING OF THE FIRE ALARM SYSTEM.
12. ALL WIRING TO BE IN CONDUIT SIZED IN ACCORDANCE WITH NEC WITH A MINIMUM SIZE OF 3/4". PROVIDE ALL FIRE ALARM CONDUIT WITH 3" WIDE RED STRIPE EVERY 10' FOR LENGTH OF RUN.
13. PROVIDE ALL FIRE ALARM JUNCTION BOXES WITH RED COVER, STENCIL THE LETTERS "FA" IN 2" HIGH LETTERS ON EACH BOX COVER.
14. FIRE ALARM SYSTEM PROVIDER IS RESPONSIBLE FOR PROVIDING SIGNAL LINE BOOSTERS AS REQUIRED FOR SYSTEM TO FUNCTION PROPERLY.
15. IN ADDITION TO THE DEVICES INDICATED ON THE PLANS THE CONTRACTOR SHALL PROVIDE A SMOKE DETECTOR LOCATED WITHIN 5 FEET OF EACH FIRE ALARM NOTIFICATION APPLIANCE PANEL.
16. CONTRACTOR SHALL PROVIDE ALL ADDITIONAL 120 VOLT CIRCUITS NEEDED TO MAKE THE FIRE ALARM SYSTEM A COMPLETE FUNCTIONAL SYSTEM.
17. PROVIDE VOICE EVACUATION PER IBC SECTION 907 AND ALL SECTIONS OF THE INTERNATIONAL FIRE CODE.
18. "CLG" DENOTES A CEILING MOUNTED DEVICE.
19. SEE STANDARD MOUNTING HEIGHT INSTRUCTIONS ON DETAILS (4) THIS SHEET.

FIRE ALARM SHEET NOTES:

(1) CONTRACTOR SHALL CONNECT NEW FIRE ALARM DEVICES TO EXISTING NOTIFIER TYPE FIRE ALARM CONTROL PANEL. CONTRACTOR SHALL EXPAND EXISTING SYSTEM AS REQUIRED TO ACCOMMODATE NEW DEVICES. CONTRACTOR SHALL TEST AND CERTIFY EXISTING SYSTEM UPON COMPLETION OF NEW WORK.



1 E6.2 EDEN FIRE ALARM RISER DIAGRAM
NOT TO SCALE



2 E6.2 COOSA VALLEY FIRE ALARM RISER DIAGRAM
NOT TO SCALE

FIRE ALARM MOUNTING HEIGHTS/INSTRUSTIONS NOTES:

(1) MOUNT FIRE ALARM ENCLOSURE WITH THE TOP OF THE CABINET 72" ABOVE THE FINISHED FLOOR OR CENTER THE CABINET AT 63", WHICHEVER IS LOWER.

(2) MOUNT ANNUNCIATOR WITH THE TOP OF THE PANEL 72" ABOVE THE FINISHED FLOOR OR CENTER OF THE PANEL AT 63", WHICHEVER IS LOWER. FLUSH MOUNT ANNUNCIATOR UNLESS OTHERWISE NOTED.

(3) REMOTE POWER SUPPLIES AND AUXILIARY FIRE ALARM PANELS. LOCATE THE PANEL OR CABINET WITH THE TOP OF THE PANEL 72" ABOVE THE FINISHED FLOOR OR CENTER THE PANEL AT 63", WHICHEVER IS LOWER. DO NOT LOCATE THESE PANELS ABOVE CEILINGS OR WHERE INACCESSIBLE BY A PERSON STANDING ON THE FINISHED FLOOR OF THE SPACE.

(4) MOUNT STATIONS SO THAT THEIR OPERATING HANDLES ARE BETWEEN 42" AND 48" ABOVE THE FINISHED FLOOR. DO NOT USE BRICK OR BLOCK COURSES AS YOUR ONLY GUIDE. CUT BRICK OR BLOCK TO ACHIEVE PROPER HANDLE HEIGHT.

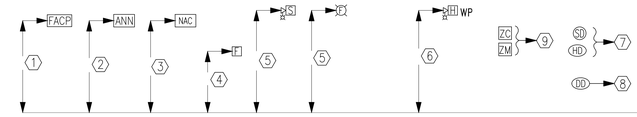
(5) ALL WALL MOUNTED AUDIO/VISUAL DEVICES SHALL BE MOUNTED SO THE ENTIRE LENS IS BETWEEN 80" AND 96" ABOVE THE FINISHED FLOOR. WHERE LOW CEILING HEIGHTS DO NOT PERMIT MOUNTING AT A MINIMUM OF 80" AFF, VISIBLE APPLIANCES SHALL BE MOUNTED WITHIN 6" OF THE CEILING. DO NOT USE BRICK OR BLOCK COURSES AS YOUR ONLY GUIDE. CUT BRICK OR BLOCK TO ACHIEVE PROPER LENS HEIGHT.

(6) WEATHER PROOF APPLIANCES INSTALLED OUTDOORS SHALL BE UL LISTED FOR OUTDOOR USE. MOUNT SO THE ENTIRE LENS IS BETWEEN 80" AND 96" ABOVE FINISHED FLOOR. FOR WEATHERPROOF APPLIANCES MOUNTED AT FIRE DEPARTMENT CONNECTION (FDC), COORDINATE WITH LOCAL AUTHORITY HAVING JURISDICTION PRIOR TO ROUGH-IN FOR MOUNTING HEIGHT.

(7) SMOKE AND HEAT DETECTOR HEADS SHALL NOT BE INSTALLED UNTIL AFTER CONSTRUCTION CLEAN-UP IS COMPLETED. IF DETECTOR HEADS ARE INSTALLED PRIOR TO CONSTRUCTION CLEAN-UP, PROTECTIVE COVERS MUST BE IN PLACE TO PROTECT DETECTOR HEADS FROM PARTICULATE DAMAGE. DETECTORS LOCATED ON THE WALL SHALL HAVE THE TOP OF THE DETECTOR AT LEAST 4" AND NOT MORE THAN 12" BELOW THE CEILING. INSTALL SMOKE DETECTORS NO CLOSER THAN 3 FEET FROM AIR HANDLING SUPPLY AIR DIFFUSERS OR RETURN AIR OPENINGS. LOCATE DETECTORS NO CLOSER THAN 12" FROM ANY PART OF A LIGHTING FIXTURE.

(8) DUCT SMOKE DETECTOR HEADS SHALL NOT BE INSTALLED UNTIL AFTER CONSTRUCTION CLEAN-UP IS COMPLETED. DETECTOR HEADS INSTALLED PRIOR TO CONSTRUCTION CLEAN-UP SHALL BE REPLACED. DUCT DETECTORS ARE TO BE PROVIDED BY THE FIRE ALARM CONTRACTOR AND INSTALLED BY THE MECHANICAL CONTRACTOR.

(9) ADDRESSABLE MODULES SHALL BE INSTALLED LESS THAN 3-FEET FROM THE DEVICE BEING CONTROLLED OR MONITORED. ORIENT THE DEVICE MOUNTING FOR BEST MAINTENANCE ACCESS. LABEL ALL ADDRESSABLE MODULES AS TO THEIR FUNCTION.



3 E6.2 STANDARD MOUNTING HEIGHTS/INSTRUCTIONS
NOT TO SCALE

EMERGENCY RADIO SYSTEM NOTES:

PROVIDE A TWO-WAY EMERGENCY RADIO COMMUNICATION ENHANCEMENT SYSTEM UTILIZING A BI-DIRECTIONAL AMPLIFIER SOLUTION AS REQUIRED BY THE AHJ. THE BDA SOLUTION MUST MEET ALL OF THE REQUIREMENTS OF NFPA, IFC AND IBC WHICH INCLUDE REQUIREMENTS FOR THE INSTALLATION, PERFORMANCE AND STRENGTH OF EMERGENCY RADIO COMMUNICATION ENHANCEMENT SYSTEMS (ERCES) FOR COMMERCIAL FACILITIES. MOST SPECIFICALLY THE INTERNATIONAL FIRE CODE (IFC-SECTION 510), NFPA 1221 (2016 EDITION) AND IBC 201 (SECTION 916).

THE INSTALLATION COMPANY OF THE BDA SOLUTION SHALL MAINTAIN A FCC LICENSE OR BE 'FACTORY TRAINED' BY THE BDA SOLUTION MANUFACTURER. PROOF OF LICENSE SHALL BE PROVIDED ALONG WITH BDA SOLUTION (SPECIFICATION SHEETS, ETC.) AND BUILDING SPECIFIC BDA SOLUTION DESIGN, IN YOUR FIRE ALARM SUBMITTAL PACKAGE TO THE FIRE ALARM ENGINEER OF RECORD FOR REVIEW AND APPROVAL.

THE BDA SOLUTION MUST BE SUPERVISED BY THE BUIDLING FIRE ALARM SYSTEM AND REPORT SIGNALS VIA THE FIRE ALARM SYSTEM TO THE FIRE ALARM CENTRAL STATION MONITORING COMPANY IF A TROUBLE WITH THE BDA SOLUTION EXISTS. CERTIFICATION OF COMPLETION AND TESTING (INCLUDING TEST RESULTS) OF BDA SOLUTION SHALL BE PROVIDED IN CONJUNCTION WITH FIRE ALARM COMPLETION CERTIFICATION.

PROVIDE ONLY IN NEW ADDITION

Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14
Millbrook, AL 36054
Tel: 334.285.1273
1200 Providence Park, Suite 200
Birmingham, AL 35242
GA#22-134

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

ALABAMA REGISTERED PROFESSIONAL ENGINEER
KENNETH RAY GUNN JR.
NO. 26955
06-09-2022

SHEET TITLE : FIRE ALARM & INTERCOM RISER, DETAILS & NOTES

MCKEE JOB # : 21.184

PSCA # :

DRAWN BY : J. TILLERY

DATE: 06.09.2022

REVISED DATE:

REVISED DATE:

REVISED DATE:

SHEET NO. : E6.2

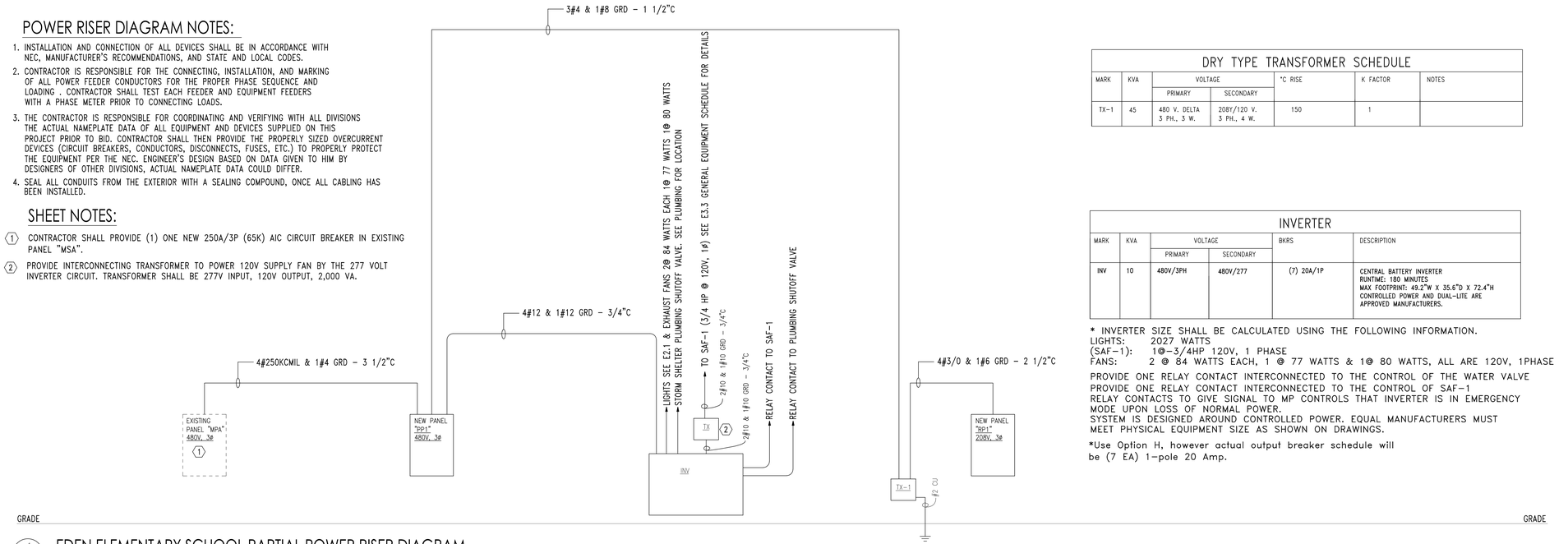
- Thursday, June 9, 2022 2:39:06 AM

POWER RISER DIAGRAM NOTES:

1. INSTALLATION AND CONNECTION OF ALL DEVICES SHALL BE IN ACCORDANCE WITH NEC, MANUFACTURER'S RECOMMENDATIONS, AND STATE AND LOCAL CODES.
2. CONTRACTOR IS RESPONSIBLE FOR THE CONNECTING, INSTALLATION, AND MARKING OF ALL POWER FEEDER CONDUCTORS FOR THE PROPER PHASE SEQUENCE AND LOADING . CONTRACTOR SHALL TEST EACH FEEDER AND EQUIPMENT FEEDERS WITH A PHASE METER PRIOR TO CONNECTING LOADS.
3. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND VERIFYING WITH ALL DIVISIONS THE ACTUAL NAMEPLATE DATA OF ALL EQUIPMENT AND DEVICES SUPPLIED ON THIS PROJECT PRIOR TO BID. CONTRACTOR SHALL THEN PROVIDE THE PROPERLY SIZED OVERCURRENT DEVICES (CIRCUIT BREAKERS, CONDUCTORS, DISCONNECTS, FUSES, ETC.) TO PROPERLY PROTECT THE EQUIPMENT PER THE NEC. ENGINEER'S DESIGN BASED ON DATA GIVEN TO HIM BY DESIGNERS OF OTHER DIVISIONS, ACTUAL NAMEPLATE DATA COULD DIFFER.
4. SEAL ALL CONDUITS FROM THE EXTERIOR WITH A SEALING COMPOUND, ONCE ALL CABLING HAS BEEN INSTALLED.

SHEET NOTES:

1. CONTRACTOR SHALL PROVIDE (1) ONE NEW 250A/3P (65K) AIC CIRCUIT BREAKER IN EXISTING PANEL "MSA".
2. PROVIDE INTERCONNECTING TRANSFORMER TO POWER 120V SUPPLY FAN BY THE 277 VOLT INVERTER CIRCUIT. TRANSFORMER SHALL BE 277V INPUT, 120V OUTPUT, 2,000 VA.



1 / E7.1 EDEN ELEMENTARY SCHOOL PARTIAL POWER RISER DIAGRAM

NO SCALE

DRY TYPE TRANSFORMER SCHEDULE						
MARK	KVA	VOLTAGE		°C RISE	K FACTOR	NOTES
		PRIMARY	SECONDARY			
TX-1	45	480 V. DELTA 3 PH., 3 W.	208Y/120 V. 3 PH., 4 W.	150	1	

INVERTER					
MARK	KVA	VOLTAGE		BKRS	DESCRIPTION
		PRIMARY	SECONDARY		
INV	10	480V/3PH	480V/277	(7) 20A/1P	CENTRAL BATTERY INVERTER RUNTIME: 180 MINUTES MAX FOOTPRINT: 49.2"W X 35.6"D X 72.4"H CONTROLLED POWER AND DUAL-LITE ARE APPROVED MANUFACTURERS.

* INVERTER SIZE SHALL BE CALCULATED USING THE FOLLOWING INFORMATION.
LIGHTS: 2027 WATTS
(SAF-1): 1@-3/4HP 120V, 1 PHASE
FANS: 2 @ 84 WATTS EACH, 1 @ 77 WATTS & 1@ 80 WATTS, ALL ARE 120V, 1PHASE

PROVIDE ONE RELAY CONTACT INTERCONNECTED TO THE CONTROL OF THE WATER VALVE
PROVIDE ONE RELAY CONTACT INTERCONNECTED TO THE CONTROL OF SAF-1
RELAY CONTACTS TO GIVE SIGNAL TO MP CONTROLS THAT INVERTER IS IN EMERGENCY MODE UPON LOSS OF NORMAL POWER.
SYSTEM IS DESIGNED AROUND CONTROLLED POWER. EQUAL MANUFACTURERS MUST MEET PHYSICAL EQUIPMENT SIZE AS SHOWN ON DRAWINGS.

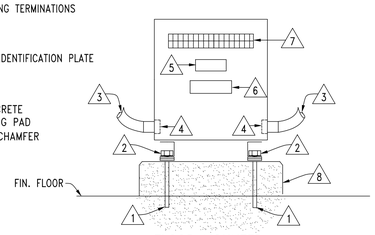
*Use Option H, however actual output breaker schedule will be (7 EA) 1-pole 20 Amp.

DETAIL KEYED NOTES

1. FLOOR ANCHOR SYSTEM
2. VIBRATION ISOLATORS - TYP. FOR FOUR
3. FLEXIBLE CONNECTION
4. GROUND BUSSING TERMINATIONS
5. NAMEPLATE
6. TRANSFORMER IDENTIFICATION PLATE
7. VENTED COVER
8. 4" HIGH CONCRETE HOUSE-KEEPING PAD WITH 45° 1" CHAMFER

INSTALLATION NOTES:

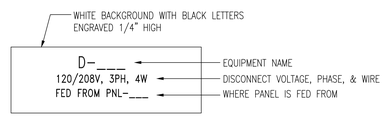
1. SIZE ALL SUPPORTS, ANCHOR SYSTEMS, BOLTS, ETC., AS REQUIRED FOR A SECURE INSTALLATION IN ACCORDANCE WITH THE SPECIFICATIONS.



FLOOR MOUNTED

2 / E7.1 DETAIL-TYPICAL INDOOR INSTALLATION OF DRY TYPE TRANSFORMERS

NO SCALE



TYPICAL NORMAL POWER NAMEPLATE

3 / E7.1 DETAIL - TYPICAL DISCONNECT NAMEPLATE

NO SCALE

EDEN ELEMENTARY ADDITION
AND
COOSA VALLEY ELEMENTARY SCHOOL ADDITION
FOR
PELL CITY SCHOOLS
PELL CITY, ALABAMA

McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET MONTGOMERY, ALABAMA 36104 (334) 834-9933

ALABAMA REGISTERED PROFESSIONAL ENGINEER KENNETH RAY GUNN JR. NO. 26995 06-09-2022

SHEET TITLE : EDEN ELEMENTARY SCHOOL PARTIAL POWER RISER DIAGRAM, DETAILS & NOTES

MCKEE JOB # : 21.184

PSCA # :

DRAWN BY : J. TILLERY

DATE: 06.09.2022

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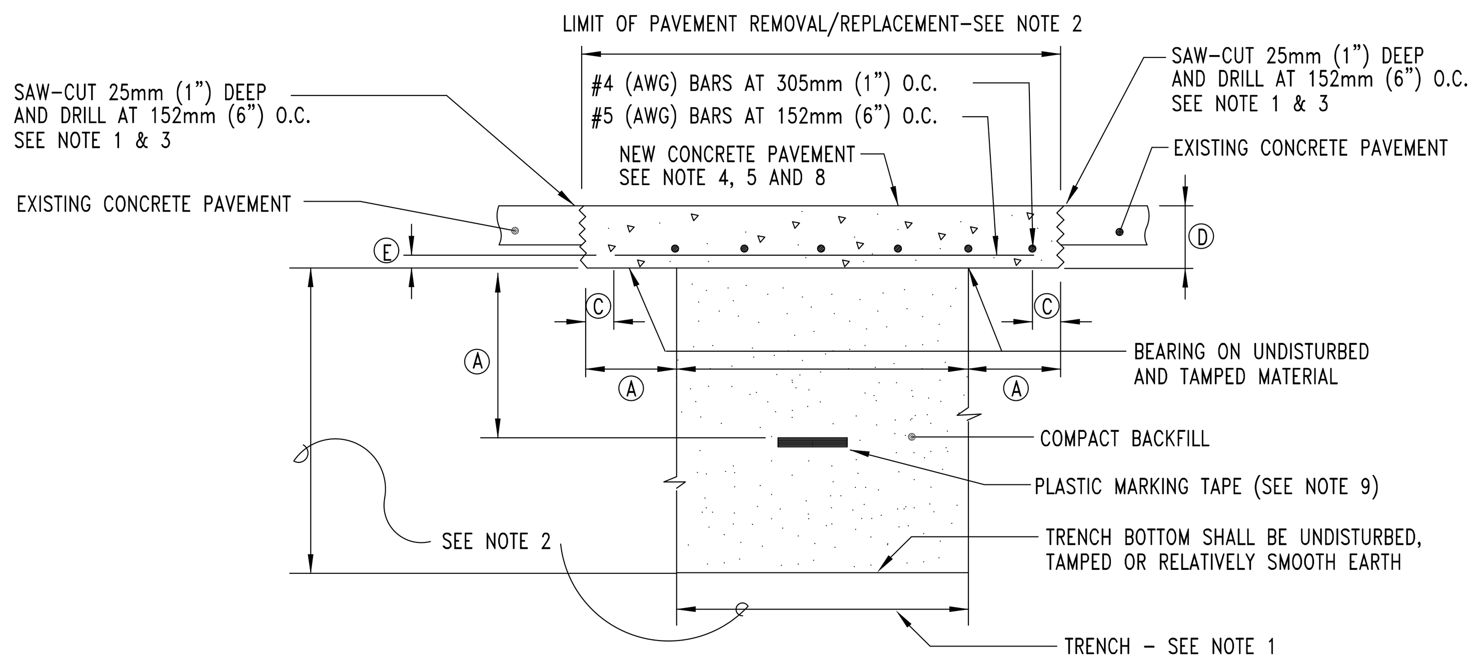
SHEET NO. : E7.1

- Thursday, June 9, 2022 9:38 AM

DIMENSION BLOCK		
REF	SI	ENGLISH
A	305mm	1'-0"
B	152mm	0'-6"
C	51mm	0'-2"
D	203mm	0'-8"
E	76mm	0'-3"

NOTES:

1. TRENCH/CUT EXISTING SURFACES. BACKFILL/PATCH/REPAIR ALL SURFACES AS SHOWN.
2. TRENCH DEPTH AND WIDTH SHALL BE AS REQUIRED FOR THE INSTALLATION OF THE RACEWAY LINE SPECIFIED. SEE APPLICABLE RACEWAY LINE SECTION.
3. PAVEMENT REMOVAL SHALL BE COMPLETE FROM THE SITE AND EXTEND BEYOND THE TRENCH WIDTH AS INDICATED.
4. CONCRETE SHALL BE CLASS A.
5. MATCH THICKNESS OF EXISTING CONCRETE PAVEMENT 8" (20.32cm) MIN.
6. LEAVE DRILLED FACE OF EXISTING PAVEMENT IRREGULAR TO INSURE KEY TO NEW CONCRETE PAVEMENT.
7. ALL EXISTING JOINTS TO BE RE-ESTABLISHED.
8. REINFORCING BARS SHALL MEET ASTM A615, A616 OR A617, GRADE 40. REINFORCING BARS SHALL BE INSTALLED THE CONTINUOUS LENGTH OF CONCRETE PAVEMENT.
9. PLASTIC MARKER TAPE SHALL BE RED AND CONTAIN FOIL BACKING OR EQUIVALENT TO ENABLE DETECTION BY A METAL DETECTOR. SEE SPECIFICATIONS.



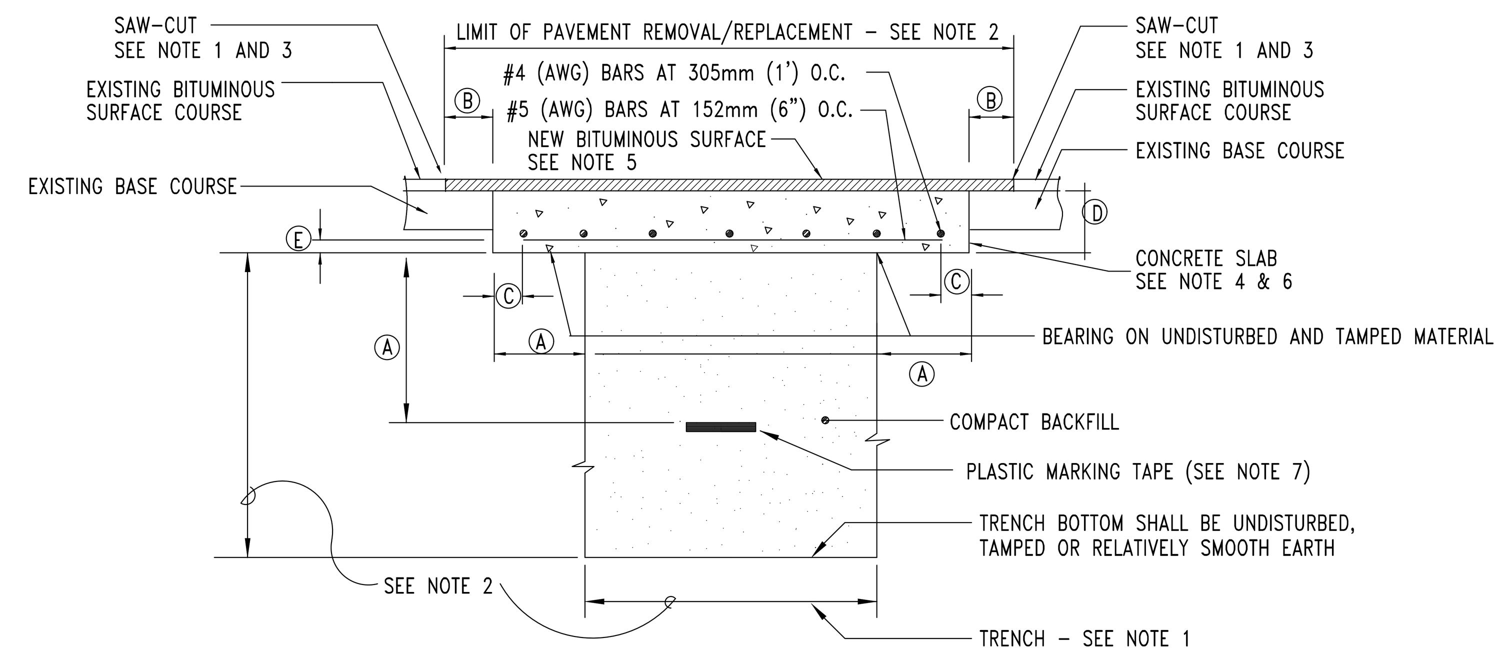
2 E7.2 SECTION - TYPICAL TRENCH/BACKFILL/REPAIR RIGID PAVEMENT

NO SCALE

DIMENSION BLOCK		
REF	SI	ENGLISH
A	305mm	1'-0"
B	152mm	0'-6"
C	51mm	0'-2"
D	203mm	0'-8"
E	76mm	0'-3"

NOTES:

1. TRENCH/CUT EXISTING SURFACES. BACKFILL/PATCH/REPAIR ALL SURFACES AS SHOWN.
2. TRENCH DEPTH AND WIDTH SHALL BE AS REQUIRED FOR THE INSTALLATION OF THE RACEWAY LINE SPECIFIED. SEE APPLICABLE RACEWAY LINE SECTION.
3. PAVEMENT REMOVAL SHALL BE COMPLETE FROM THE SITE AND EXTEND BEYOND THE TRENCH WIDTH AS INDICATED.
4. CONCRETE SHALL BE CLASS A.
5. MATCH THICKNESS OF EXISTING BITUMINOUS SURFACE, OR 38mm (1.5") MINIMUM, WHICHEVER IS GREATER.
6. REINFORCING BARS SHALL MEET ASTM A615, A616 OR A617, GRADE 40. REINFORCING BARS SHALL BE INSTALLED THE CONTINUOUS LENGTH OF CONCRETE SLAB.
7. PLASTIC MARKER TAPE SHALL BE RED AND CONTAIN FOIL BACKING OR EQUIVALENT TO ENABLE DETECTION BY A METAL DETECTOR. SEE SPECIFICATIONS.



3 E7.2 SECTION - TYPICAL TRENCH/BACKFILL/REPAIR FLEXIBLE PAVEMENT

NO SCALE

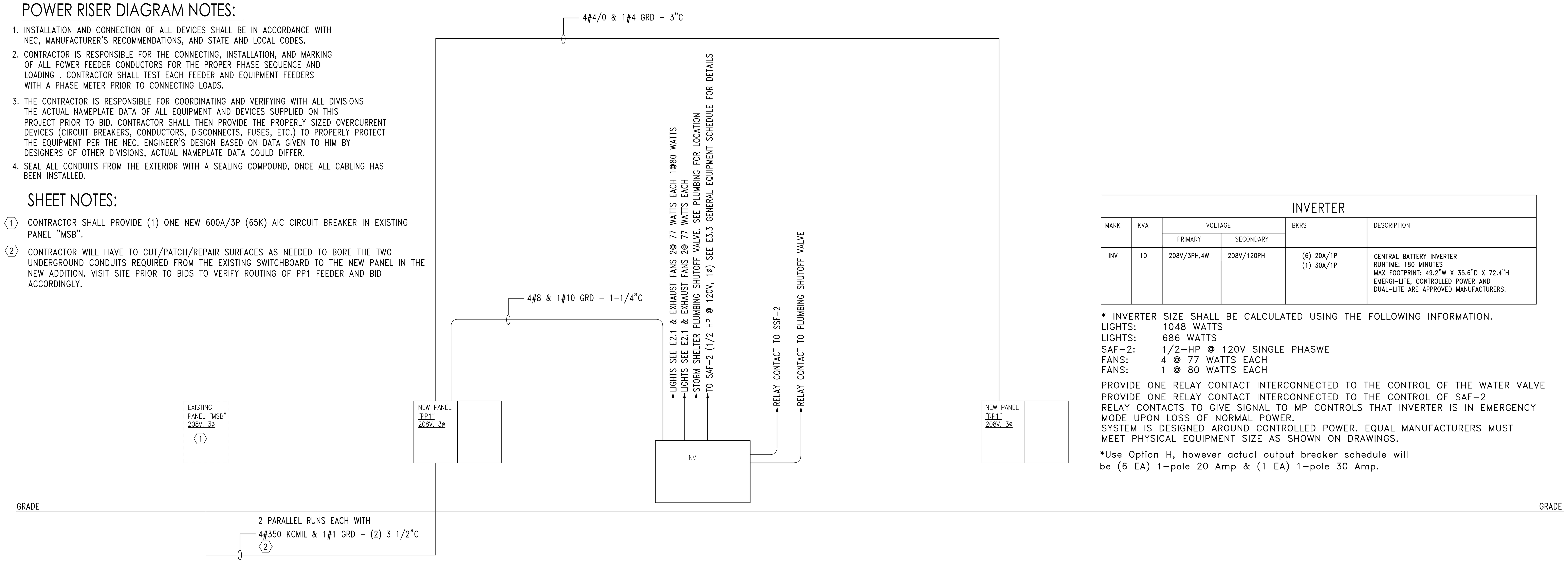
POWER RISER DIAGRAM NOTES:

1. INSTALLATION AND CONNECTION OF ALL DEVICES SHALL BE IN ACCORDANCE WITH NEC, MANUFACTURER'S RECOMMENDATIONS, AND STATE AND LOCAL CODES.
2. CONTRACTOR IS RESPONSIBLE FOR THE CONNECTING, INSTALLATION, AND MARKING OF ALL POWER FEEDER CONDUCTORS FOR THE PROPER PHASE SEQUENCE AND LOADING . CONTRACTOR SHALL TEST EACH FEEDER AND EQUIPMENT FEEDERS WITH A PHASE METER PRIOR TO CONNECTING LOADS.
3. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND VERIFYING WITH ALL DIVISIONS THE ACTUAL NAMEPLATE DATA OF ALL EQUIPMENT AND DEVICES SUPPLIED ON THIS PROJECT PRIOR TO BID. CONTRACTOR SHALL THEN PROVIDE THE PROPERLY SIZED OVERCURRENT DEVICES (CIRCUIT BREAKERS, CONDUCTORS, DISCONNECTS, FUSES, ETC.) TO PROPERLY PROTECT THE EQUIPMENT PER THE NEC. ENGINEER'S DESIGN BASED ON DATA GIVEN TO HIM BY DESIGNERS OF OTHER DIVISIONS, ACTUAL NAMEPLATE DATA COULD DIFFER.
4. SEAL ALL CONDUITS FROM THE EXTERIOR WITH A SEALING COMPOUND, ONCE ALL CABLING HAS BEEN INSTALLED.

SHEET NOTES:

⟨1⟩ CONTRACTOR SHALL PROVIDE (1) ONE NEW 600A/3P (65K) AIC CIRCUIT BREAKER IN EXISTING PANEL "MSB".

⟨2⟩ CONTRACTOR WILL HAVE TO CUT/PATCH/REPAIR SURFACES AS NEEDED TO BORE THE TWO UNDERGROUND CONDUITS REQUIRED FROM THE EXISTING SWITCHBOARD TO THE NEW PANEL IN THE NEW ADDITION. VISIT SITE PRIOR TO BIDS TO VERIFY ROUTING OF PP1 FEEDER AND BID ACCORDINGLY.



INVERTER					
MARK	KVA	VOLTAGE		BKRS	DESCRIPTION
		PRIMARY	SECONDARY		
INV	10	208V/3PH,4W	208V/120PH	(6) 20A/1P (1) 30A/1P	CENTRAL BATTERY INVERTER RUNTIME: 180 MINUTES MAX FOOTPRINT: 49.2"W X 35.6"D X 72.4"H EMERGI-LITE, CONTROLLED POWER AND DUAL-LITE ARE APPROVED MANUFACTURERS.

* INVERTER SIZE SHALL BE CALCULATED USING THE FOLLOWING INFORMATION.
LIGHTS: 1048 WATTS
LIGHTS: 686 WATTS
SAF-2: 1/2-HP @ 120V SINGLE PHASWE
FANS: 4 @ 77 WATTS EACH
FANS: 1 @ 80 WATTS EACH

PROVIDE ONE RELAY CONTACT INTERCONNECTED TO THE CONTROL OF THE WATER VALVE
PROVIDE ONE RELAY CONTACT INTERCONNECTED TO THE CONTROL OF SAF-2
RELAY CONTACTS TO GIVE SIGNAL TO MP CONTROLS THAT INVERTER IS IN EMERGENCY MODE UPON LOSS OF NORMAL POWER.
SYSTEM IS DESIGNED AROUND CONTROLLED POWER. EQUAL MANUFACTURERS MUST MEET PHYSICAL EQUIPMENT SIZE AS SHOWN ON DRAWINGS.

*Use Option H, however actual output breaker schedule will be (6 EA) 1-pole 20 Amp & (1 EA) 1-pole 30 Amp.

1 E7.2 COOSA VALLEY ELEMENTARY SCHOOL PARTIAL POWER RISER DIAGRAM

NO SCALE

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EDEN ELEMENTARY ADDITION
AND
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FOR
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ALABAMA REGISTERED PROFESSIONAL ENGINEER KENNETH RAY GUNN JR. 06-09-2022

SHEET TITLE : COOSA VALLEY ELEMENTARY SCHOOL PARTIAL POWER RISER DIAGRAM, DETAILS & NOTES

MCKEE JOB # : 21.184

PSCA # :

DRAWN BY : J. TILLERY

DATE: 06.09.2022

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