CAFETERIA ADDITION
at
CROSSVILLE HS
5405 COUNTY RD 28, CROSSVILLE, AL 35962
for
DEKALB COUNTY SCHOOLS
306 MAIN ST. W, RAINSVILLE, AL 35986

OWNER
Dekalb County Board of Education
306 Main St. W
Rainsville, Alabama 35986
Phone: (256) 638.6921

ARCHITECTURAL
McKee & Associates Architects, Inc.
DBA *Lathan McKee Architects*
3500 Eastern Boulevard
Montgomery, Alabama 36116-1786
Phone: (334) 834.9933

CIVIL
Greenhill Engineering Consultants, Inc.
2412 Beck Industries Blvd W
Ft. Payne, Alabama 35968
Phone: (256) 844.6722

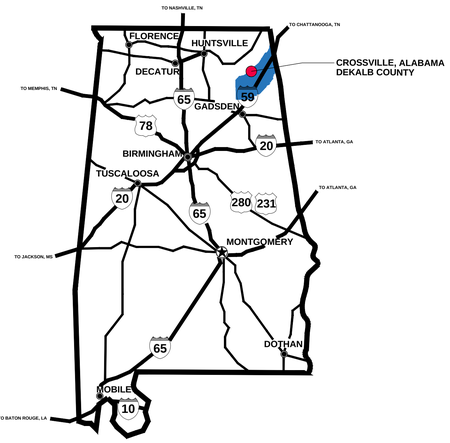
STRUCTURAL
Blackburn, Davis and O'Barr
8805 County Road 40
Lowndesboro, Alabama 36752
Phone: (334) 265.0206

PLUMBING and MECHANICAL
Zgouvas, Eiring and Associates
800 South McDonough Street
Montgomery, Alabama 36104
Phone: (334) 263.4406

ELECTRICAL
Gunn and Associates
3102 Highway 14
Millbrook, AL 36054
Phone: (334) 285.1273

FOOD SERVICE
Stipe Consultants
1657 Stone Road
Blaine, Tennessee 37709
Phone: (866) 428.6165

DCM PROJECT NO. 2026382



AREA MAP
STATE OF ALABAMA

VICINITY MAP
CITY OR COUNTY, STATE

INDEX TO DRAWINGS

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T1.0	COVER SHEET AND INDEX TO DRAWINGS	FS-100	FOOD SERVICE EQUIPMENT LAYOUT	M1.1	HVAC FLOOR PLAN
LS1.1	LIFE SAFETY PLAN	FS-200	FOOD SERVICE EQUIPMENT WASTE	M1.2	LARGE SCALE KITCHEN PLAN - SUPPLY & RETURN AIR
		FS-300	FOOD SERVICE EQUIPMENT PLUMBING	M1.3	HVAC FLOOR PLAN - EXHAUST & MAKE-UP AIR
CIVIL		FS-400	FOOD SERVICE EQUIPMENT ELECTRICAL	M1.4	HVAC SECTIONS
C-00	GENERAL NOTES	FS-500	FOOD SERVICE EQUIPMENT DETAILS	M2.1	HVAC SCHEDULES
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C-02	SITE PLAN	FS-700	FOOD SERVICE ITEM 41.1 UDS SHOPS	M3.1	HVAC CONTROLS
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C-04	UTILITY PLAN				
C-05	UTILITY PLAN POTABLE WATER	FIRE PROTECTION			
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C-07	CIVIL DETAILS 1			E1.1	SITE PLAN - DEMOLITION
C-07	CIVIL DETAILS 2	PLUMBING		E1.2	SITE PLAN - ELECTRICAL - NEW WORK
		P1.1	SCHEDULES AND DETAILS	E2.1	FIRST FLOOR PLAN - LIGHTING
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		P2.1	FLOOR PLAN - WASTE PIPING	E3.1	FIRST FLOOR PLAN - POWER
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				E7.3	GENERATOR DETAILS
				E8.1	AUXILIARY DETAILS
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A2.1	FLOOR PLAN				
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A3.3	WALL SECTIONS				
A3.4	PARTITION TYPES				
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LATHAN McKEE ARCHITECTS

Cafeteria Addition at Crossville High School
Dekalb County Board Of Education

SHEET TITLE: COVER SHEET AND INDEX

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

PROJ. MGR.: FGH
DRAWN: FGH
DATE: 06/30/26
REVISIONS

JOB NO. MKA-26-032-00
SHEET NO: T1.0

0 1" 2"

- Z:\2026\MKA-26-032-00 Crossville Cafeteria Dekalb County\Cad Drawings\Architectural\--T1.X Cover Sheet and Index (Lathan-McKee 30x42).dwg
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CODE REVIEW

CODE: **2021 INTERNATIONAL BUILDING CODE**

OCCUPANCY TYPE (SECTION 302) : **GROUP 'A-2' ASSEMBLY OCCUPANCY (FOOD/DRINK)**

SPRINKLERED (SECTION 903): **REQUIRED**

NUMBER OF STORIES (TABLE 504.4): **3 ALLOWED, 1 PROVIDED**

CONSTRUCTION TYPE (SECTION 602): **TYPE II B**

TYPE II B, REQUIRES THE FOLLOWING
FIRE RESISTANCE (TABLE 601):

STRUCTURAL FRAME:	**0 HOUR**
EXTERIOR BEARING WALLS:	**0 HOUR**
INTERIOR BEARING WALLS:	**0 HOUR**
EXTERIOR NONBEARING WALLS:	**0 HOUR**
INTERIOR NONBEARING WALLS:	**0 HOUR**
FLOOR CONSTRUCTION:	**0 HOUR**
ROOF CONSTRUCTION:	**0 HOUR**

OTHER REQUIREMENTS:

FIRE WALL RATING (TABLE 706.4): **SEE PLAN** (2 HR 706.4a)

OCCUPANCY SEPARATION (TABLE 508.4): **NOT REQUIRED** ACCESSORY OCCUPANCY IS LESS THAN 10% OF ALLOWED SQ FT.

INCIDENTAL USE AREAS (TABLE 509.1): **LAUNDRY ROOM - 1 HOUR OR PROTECTED BY SPRINKLER SYSTEM.**

FIRE-RESISTANT CORRIDORS (TABLE 1020.2): CORRIDORS SERVING MORE THAN 30 OCCUPANTS IN **SPRINKLERED** TYPE **'A'** OCCUPANCY SHALL NOT BE REQUIRED TO BE RATED.

STAIRS & SHAFT ENCLOSURES (707 & TABLE 707.3.10 NOT LESS THAN 508.4 IF APPLICABLE): **SEE PLAN**

SINGLE OCCUPANCY FIRE BARRIERS (IF APPLICABLE)
(TABLE 707.3.10): **2HR**

EXIT ACCESS TRAVEL DISTANCE
IS **250 FEET** FOR **SPRINKLERED (**TABLE 1017.2)

BUILDING AREA CALCULATIONS

TOTAL BUILDING AREA

OCCUPANCY TYPE (SECTION 302) - GROUP **'A-2'**
CONSTRUCTION TYPE (SECTION 602): **II B**
ALLOWABLE AREA FACTOR: (**S1**) **38,000** SQ FT (TABLE 506.2)
ALLOWABLE AREA W / FRONTAGE INCREASE: **45,125** SQ FT
ACTUAL SF - **11,846** SQ FT TOTAL

ALLOWABLE HEIGHT (TABLE 504.3) ALLOWABLE # OF STORIES (TABLE 504.4)
ALLOWABLE HEIGHT: **75** FT
ALLOWABLE NO. OF STORIES: **3**
ACTUAL BUILDING HEIGHT: ± **25** FT
ACTUAL NO. OF STORIES: **1**

BUILDING AREA MODIFICATION (506.3)
ALLOWABLE AREA (506.2.1)
EQUATION 5-1: **Aa = At + (NS x If)**
Aa = ALLOWABLE AREA
At = TABULAR ALLOWANCE FACTOR = **38,000** SQ FT (S1)
NS = TABULAR ALLOWABLE AREA NON SPRINKLERED = **9,500** SQ FT
If = AREA INCREASE FACTOR DUE TO FRONTAGE TABLE 506.3.3

PERCENTAGE OF OPEN BUILDING PERIMETER = **100%**
(**480** FT (open perimeter) / **480** FT (total perimeter)) * 100 = **100%**
Width = 30 feet or more
If = **0.75**

Aa = **38,000** + (**9,500** * **0.75**) = **45,125** SQ FT

OCCUPANT LOAD CALCULATIONS

OCCUPANT LOAD - EXITING

OCCUPANCY TYPE (TABLE 1004.5)
ASSEMBLY CONCENTRATED (CHAIRS ONLY - NOT FIXED)
3,944 SF FT / 7 NET = **564**
KITCHEN **3,975** SQ FT / 200 GROSS = **20**
OFFICE **124** SQ FT / 150 GROSS = **1**

TOTAL OCCUPANT LOAD - EXITING **585**

OCCUPANT LOAD - PLUMBING

OCCUPANCY TYPE (TABLE 1004.5)
ASSEMBLY UNCONCENTRATED (TABLES AND CHAIRS)
3,944 SF FT / 15 NET = **263**
KITCHEN **3,975** SQ FT / 200 GROSS = **20**
OFFICE **124** SQ FT / 150 GROSS = **1**

TOTAL OCCUPANT LOAD - PLUMBING **284**
(142 MALE 142 FEMALE)

PLUMBING CALCULATIONS

PLUMBING REQUIREMENTS
(TABLE 2902.1 ASSEMBLY - AUDITORIUMS W/O PERM. SEATING ...)

OCCUPANT LOAD TOTAL = **284** PERSONS

TOILETS
MEN'S (1 PER 50 OCC.) (**142** OCC.):
REQUIRED: **3**
PROVIDED: **4** (2 WC, 2 URINALS)
WOMEN'S (1 PER 50 OCC.) (**142** OCC.):
REQUIRED: **3**
PROVIDED: **4**

LAVATORIES
MEN'S (1 PER 200 OCC.) (**142** OCC.):
REQUIRED: **1**
PROVIDED: **1**
WOMEN'S (1 PER 200 OCC.) (**142** OCC.):
REQUIRED: **1**
PROVIDED: 1

DRINKING FOUNTAINS
(1 PER 500 OCC.) (**284** OCC.):
REQUIRED: **1**
PROVIDED: **2** (WITH BOTTLE FILLER)

SERVICE SINK
REQUIRED: **1**
PROVIDED: **1**

LIFE SAFETY LEGEND

SYMBOL	DESCRIPTION
EXIT	PRIMARY BUILDING EXIT
TD 250'	TRAVEL DISTANCE NEAREST TO EXIT
	HANDICAP ACCESSIBLE
FE	FIRE EXTINGUISHER LOCATION (SEE DETAIL AX.X)
FSD	FIRE SEPARATION DISTANCE (TABLE 705.8)
EWR-88" / EWP-236"	EXIT WIDTH REQUIRED / EXIT WIDTH PROVIDED
585 / 1573	ACTUAL OCCUPANT LOAD SERVED / TOTAL EGRESS CAPACITY
3/4 HOUR	RATED DOOR ASSEMBLY (SECTION 716) (TABLE 716.1.2)
(UP, S) NO LIMIT	UNPROTECTED, SPRINKLERED (% OF OPENINGS ALLOWED) (TABLE 705.8)

EXIT CALCULATIONS

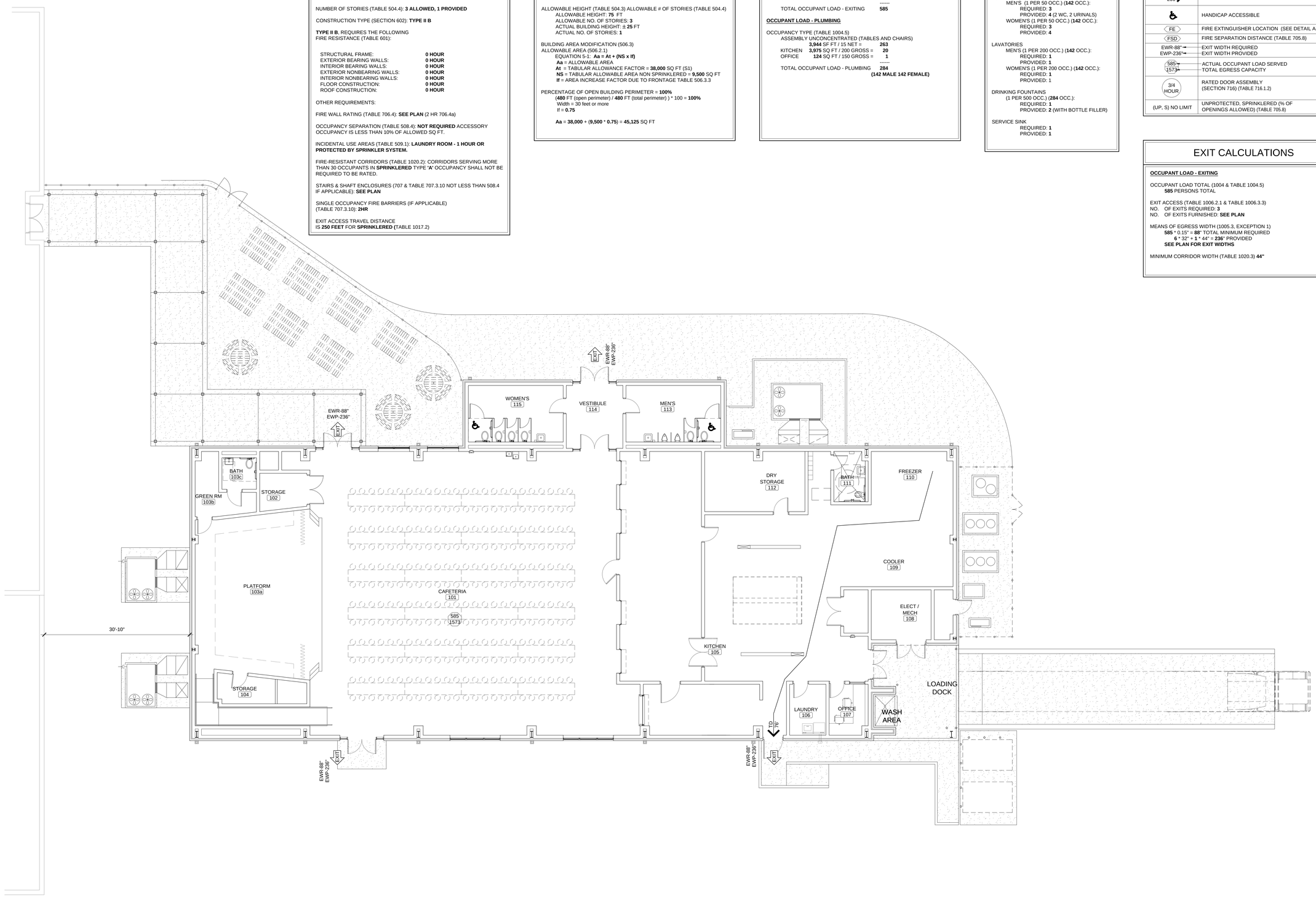
OCCUPANT LOAD - EXITING

OCCUPANT LOAD TOTAL (1004 & TABLE 1004.5)
585 PERSONS TOTAL

EXIT ACCESS (TABLE 1006.2.1 & TABLE 1006.3.3)
NO. OF EXITS REQUIRED: **3**
NO. OF EXITS FURNISHED: **SEE PLAN**

MEANS OF EGRESS WIDTH (1005.3, EXCEPTION 1)
585 * 0.15" = **88**" TOTAL MINIMUM REQUIRED
6 * 32" + **1** * 44" = **236**" PROVIDED
SEE PLAN FOR EXIT WIDTHS

MINIMUM CORRIDOR WIDTH (TABLE 1020.3) **44"**



TRUE NORTH

LIFE SAFETY PLAN - FIRST FLOOR

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

LATHAN ▪ McKEE ARCHITECTS

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE: LIFE SAFETY PLAN

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

PROJ. MGR.: FGH
DRAWN: FGH
DATE: 06/30/26
REVISIONS

JOB NO.
MKA-26-032-00
SHEET NO:
LS1.1

0 1" 2"

- Z:\2026\MKA-26-032-00 Crossville Cafeteria Dekalb County\Cad Drawings\Architectural\~LS1.X.X Life Safety Plans.dwg
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GENERAL NOTES

1. THE CONTRACTOR IS TO BE AWARE THAT THERE ARE OTHER EXISTING UTILITIES WITHIN PROJECT LIMITS, ON THIS PROJECT. HE IS TO COORDINATE HIS INSTALLATION WITH THE OTHER UTILITIES. ALL EXISTING UTILITIES ARE NOT SHOWN ON PLANS. ANY DAMAGE TO PUBLIC OR PRIVATE PROPERTY INCLUDING UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.
2. THE CONTRACTOR IS RESPONSIBLE FOR CLEARING ANY OBSTRUCTIONS THAT HE MAY ENCOUNTER IN ORDER TO COMPLETE THIS WORK. THIS INCLUDES TREES, SHRUBS, FENCES, ROCKS AND ANY UTILITIES OR STRUCTURES. ALL EXCAVATION IS UNCLASSIFIED.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING AND/OR REPLACING ANY DAMAGED PUBLIC OR PRIVATE PROPERTY OR FACILITIES TO THE SAME OR BETTER CONDITION AND MATERIAL AS EXISTED PRIOR TO THE CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE THE REPLACEMENT/REPAIR WITH THE ENGINEER AND/OR THE OWNER AND THE FINAL INSTALLATION SHALL MEET THEIR APPROVAL. CONTRACTOR UNDERSTANDS THAT IF THE YARDS ARE SODDED, HE WILL SOD THEM BACK UPON COMPLETION TO MATCH THE EXISTING GRASS OR IF THE CONCRETE IS STAMPCRETE HE WILL MATCH THE REPLACEMENT MATERIAL WITH THE EXISTING.
4. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO HIS BID AND CONSTRUCTION.
5. THE CONTRACTOR SHALL VERIFY WITH THE OWNER, CONNECTIONS TO EXISTING PIPELINES, WHERE INDICATED ON DRAWINGS. CONTRACTOR SHALL GIVE 48 HOURS NOTICE BEFORE THIS ONSITE MEETING, AS CALLED OUT IN THE SPECIFICATIONS.
6. ALL PIPING ON THIS PROJECT IS NOTED ON THE DRAWINGS.
7. ALL TRENCHES SHALL BE COVERED DAILY. ALL EXCAVATION IS UNCLASSIFIED.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING PROPER TRAFFIC CONTROL DEVICES, AND/OR FLAGMAN, ETC. ACCORDING TO THE LATEST EDITION OF THE M.U.T.C.D., PART 6, TEMPORARY TRAFFIC CONTROL.
9. CONTRACTOR SHALL NOTE THAT THE WORK DAY SHALL NOT BEGIN PRIOR TO SUNRISE AND ALL WORK SHALL END PRIOR TO SUNSET.
10. GENERAL CONTRACTOR IS RESPONSIBLE FOR THE STORM WATER PERMITTING.

LANDSCAPE NOTES

PAVEMENT REPAIR SHALL BE REQUIRED AT ANY/ALL AREAS THAT ARE DAMAGED DURING CONSTRUCTION AND SHALL BE RETURNED TO ITS PREVIOUS CONDITION AS DETERMINED BY THE OWNER AND/OR ALDOT.

ALL EXTERIOR GAS LINE WORK WILL BE ACCOMPLISHED BY DCGAS.
EXTERIOR GAS LINE WORK IS NOT IN CONTRACT.

SHEET DESCRIPTION	
C-00	GENERAL NOTES & INDEX
C-01	DEMO PLAN
C-02	SITE PLAN
C-03	GRADING PLAN
C-04	OVERALL UTILITY PLAN
C-05	SEWER PLAN
C-06	POTABLE WATER PLAN
C-07	STORMWATER PLAN
C-08	NATURAL GAS PLAN
C-09	CIVIL DETAILS 1
C-10	CIVIL DETAILS 2

LATHAN McKEE ARCHITECTS

GEC GREENHILL ENGINEERING

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE:
GENERAL NOTES

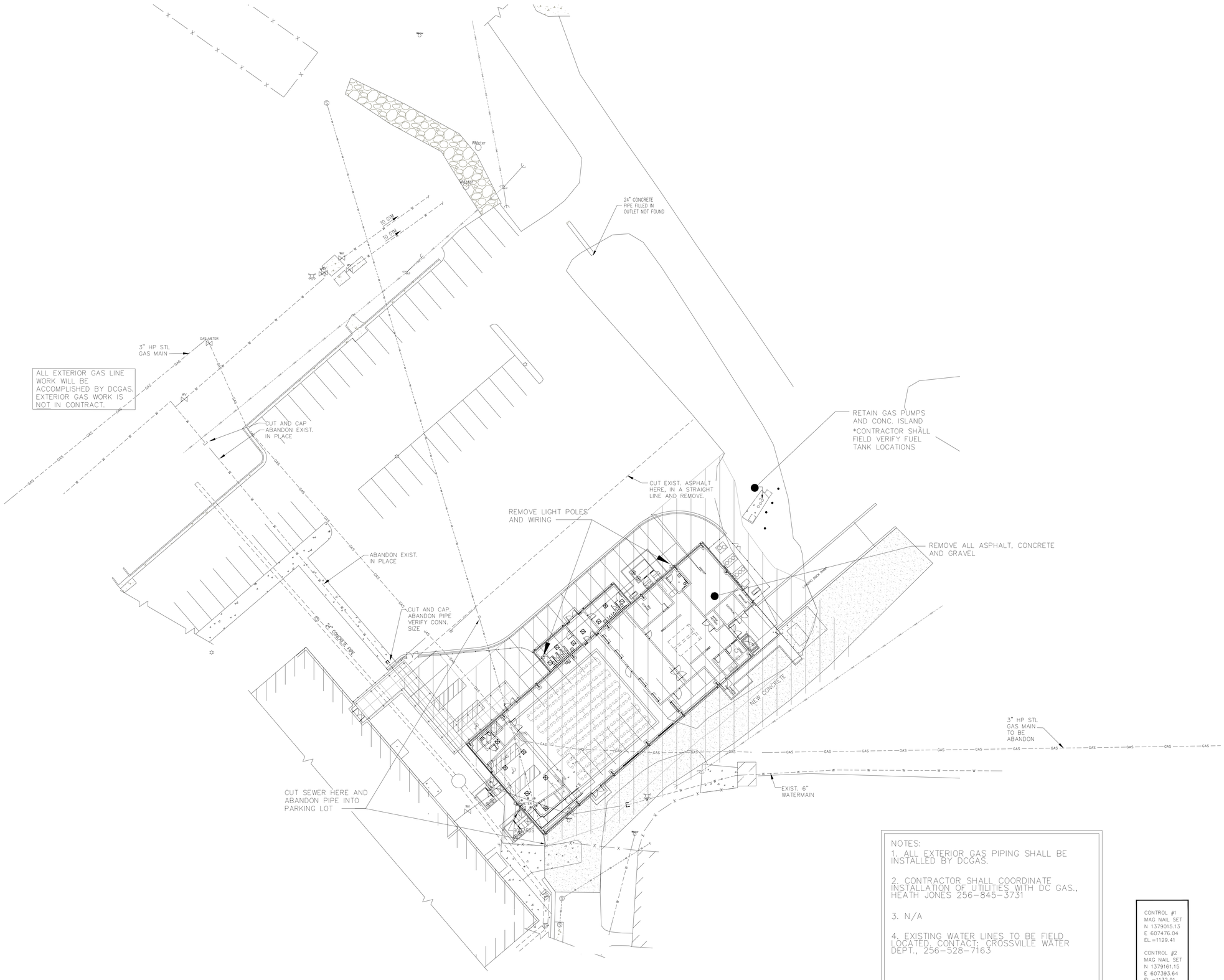
ALABAMA REGISTERED PROFESSIONAL ENGINEER 19521 CURTIS H. O'DANIEL
CURTIS H. O'DANIEL, JR
NO. 22519

PROJ. MGR.: CURT ODANIEL
DRAWN: RBM
DATE: 07/02/26
REVISIONS

JOB NO.
MKA-26-032-00
SHEET NO:
C-00

0 1" 2"

\\192.168.1.250\prof\GEC PROJECTS\Dekalb County\AL-26-11-118 Crossville HS Cafeteria\CAD\LUNCHROOM.dwg 7/2/2026 1:31:43 PM



NOTES:

1. ALL EXTERIOR GAS PIPING SHALL BE INSTALLED BY DCGAS.

2. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES WITH DC GAS., HEATH JONES 256-845-3731

3. N/A

4. EXISTING WATER LINES TO BE FIELD LOCATED. CONTACT: CROSSVILLE WATER DEPT., 256-528-7163

CONTROL #1
MAG NAIL SET
N 1379015.13
E 607476.04
EL.=1129.41

CONTROL #2
MAG NAIL SET
N 1379161.15
E 607393.64
EL.=1132.91

LATHAN McKEE ARCHITECTS

GEC GREENHILL ENGINEERING

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE:
DEMOLITION PLAN

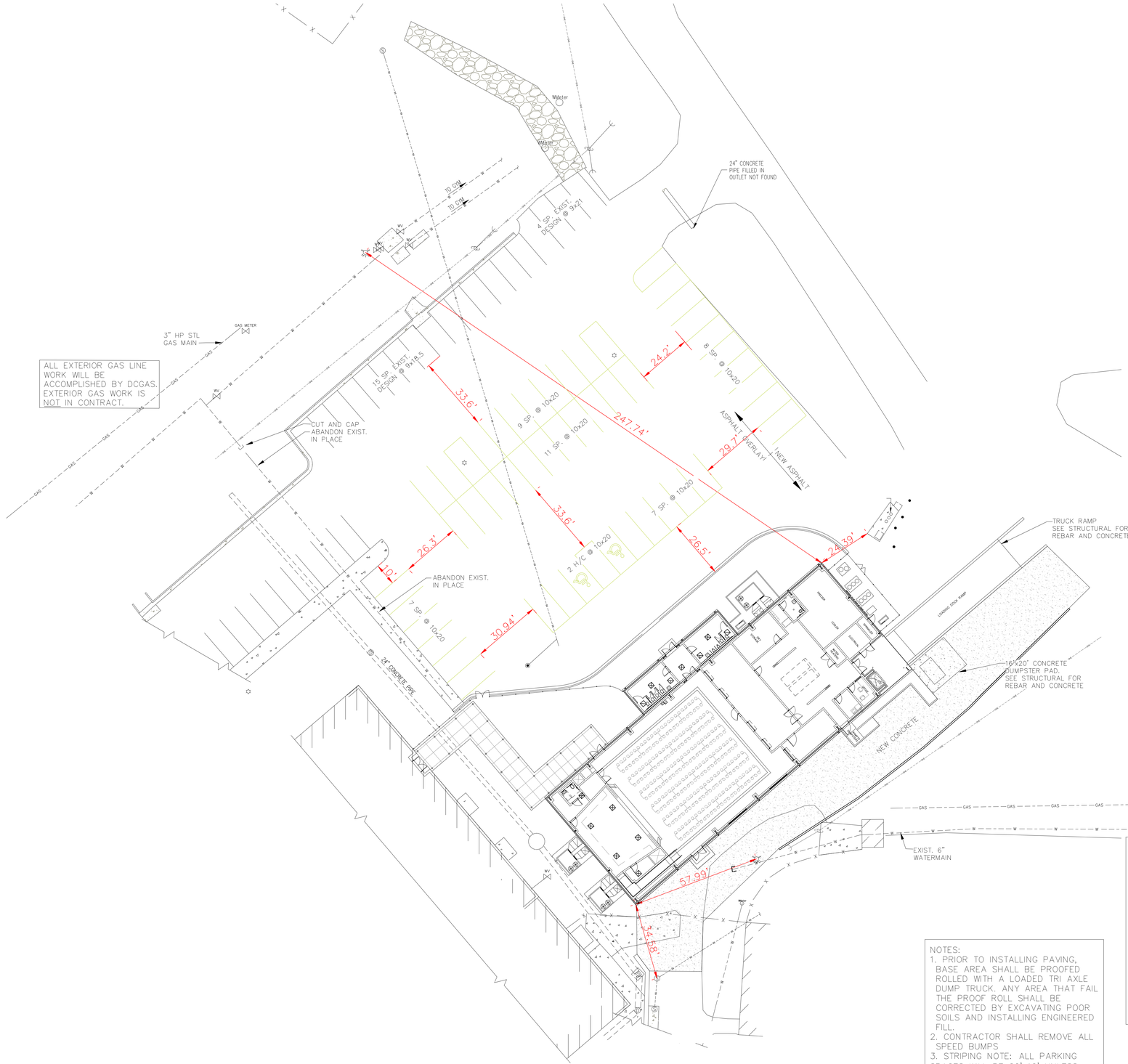
ALABAMA LICENSED PROFESSIONAL ENGINEER 20602 CURTIS H. O'DANIEL

CURTIS H. O'DANIEL, JR
NO. 22519

PROJ. MGR.:	CURT ODANIEL
DRAWN:	RBM
SCALE:	1"=20'
DATE:	07/02/26
REVISIONS	

JOB NO.
MKA-26-032-00

SHEET NO:
C-01



NOTES:
1. PRIOR TO INSTALLING PAVING, BASE AREA SHALL BE PROOFED ROLLED WITH A LOADED TRI AXLE DUMP TRUCK. ANY AREA THAT FAIL THE PROOF ROLL SHALL BE CORRECTED BY EXCAVATING POOR SOILS AND INSTALLING ENGINEERED FILL.
2. CONTRACTOR SHALL REMOVE ALL SPEED BUMPS
3. STRIPING NOTE: ALL PARKING SPACES WILL BE 20'x10' UNLESS OTHERWISE NOTED

NOTES:
1. ALL EXTERIOR GAS PIPING SHALL BE INSTALLED BY DCGAS.

2. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES WITH DC GAS., HEATH JONES 256-845-3731

3. N/A

4. EXISTING WATER LINES TO BE FIELD LOCATED. CONTACT: CROSSVILLE WATER DEPT., 256-528-7163

NOTE:
CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE FFE OF EXIST. BUILDING AND CONSTRUCT NEW CORRIDOR AND BUILDING TO MATCH.

CONTROL #1
MAG NAIL SET
N 1379015.13
E 607476.04
EL.=1129.41

CONTROL #2
MAG NAIL SET
N 1379161.15
E 607393.64
EL.=1132.91

LATHAN McKEE ARCHITECTS

GEC GREENHILL ENGINEERING

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE:
SITE PLAN

ALABAMA REGISTERED PROFESSIONAL ENGINEER CURTIS H. O'DANIEL, JR. 22519 07/02/2026

CURTIS H. O'DANIEL, JR
NO. 22519

PROJ. MGR.:	CURT ODANIEL
DRAWN:	RBM
SCALE:	1"=20'
DATE:	07/02/26
REVISIONS	

JOB NO.
MKA-26-032-00

SHEET NO:
C-02

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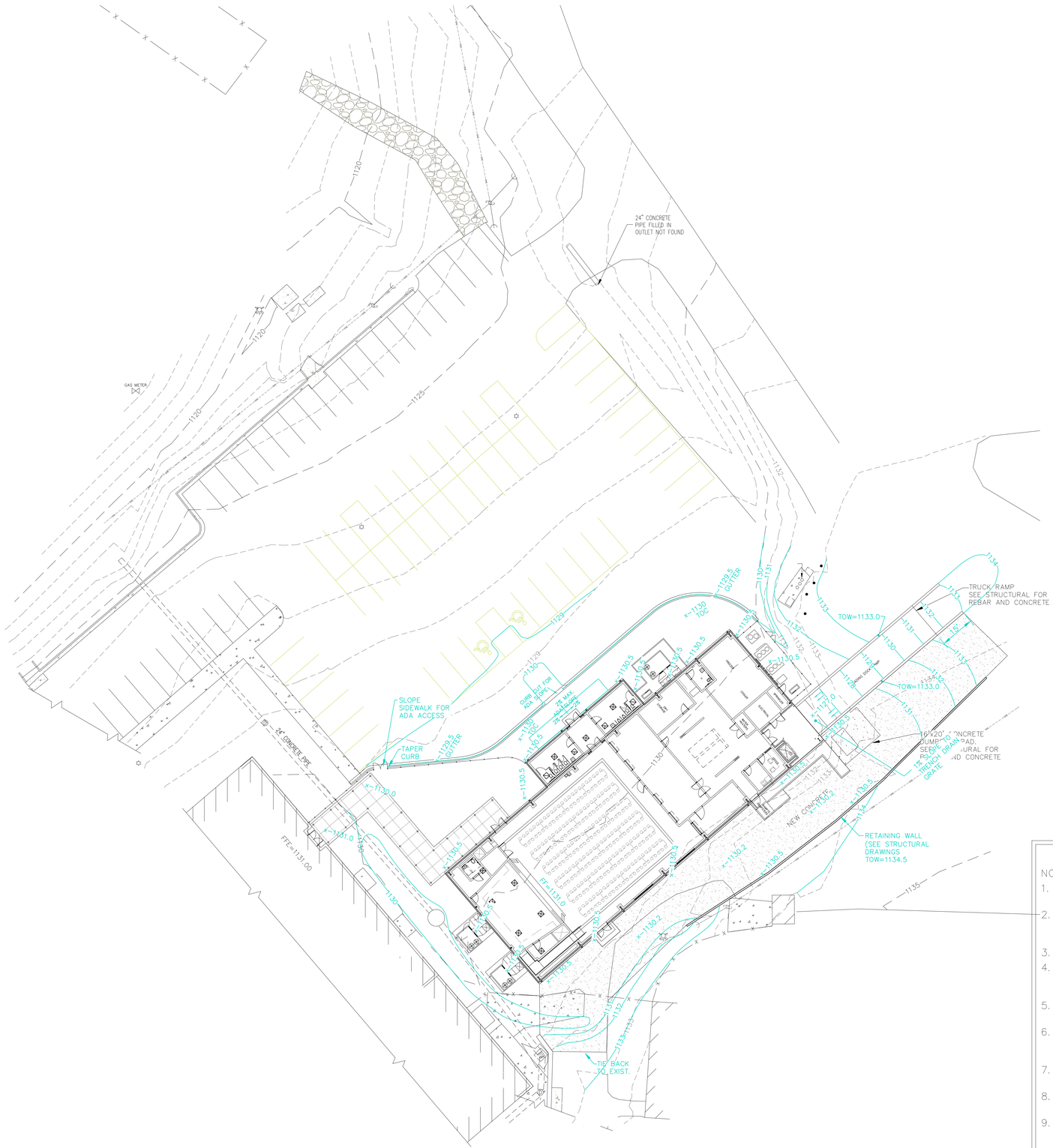


NOTES:

1. ALL EXTERIOR GAS PIPING SHALL BE INSTALLED BY DCGAS.
2. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES WITH DC GAS., HEATH JONES 256-845-3731
3. EXTEND DOWNSPOUTS TO DRAINAGE PIPE.
4. EXISTING WATER LINES TO BE FIELD LOCATED. CONTACT: CROSSVILLE WATER DEPT., 256-528-7163
5. SEE STRUCTURAL FOR RETAINING WALL REQUIREMENTS.
6. SEE ARCHITECTURAL SHEETS FOR HANDRAIL REQUIREMENTS ON TOP OF RETAINING WALL AND TRUCK RAMP.
7. RAMP SIDEWALKS UP TO EXTERIOR DOORS AND MAINTAIN ADA COMPLIANCE.
8. EXTERIOR CONCRETE SHALL BE SLOPED TO INLET DRAINS ON BACK SIDE OF BUILDING.
9. SEE STRUCTURAL FOR DUMPSTER PAD BUILDING REQUIREMENTS

CONTROL #1
MAG NAIL SET
N 1379015.13
E 607476.04
EL.=1129.41

CONTROL #2
MAG NAIL SET
N 1379161.15
E 607393.64
EL.=1132.91

LATHAN McKEE ARCHITECTS

GEC GREENHILL ENGINEERING

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE:

GRADING PLAN

CURTIS H. O'DANIEL, JR
NO. 22519

PROJ. MGR.:	CURT ODANIEL
DRAWN:	RBM
SCALE:	1"=20'
DATE:	07/02/26
REVISIONS	

JOB NO.
MKA-26-032-00

SHEET NO:
C-03

0 1" 2"

LEGEND

- PR. GAS LINE
- EX. GAS LINE
- PR. WATER LINE
- EX. WATER LINE
- EX. SEWER LINE
- PR. SEWER LINE
- PR. STORM WATER
- CONCRETE

PROPOSED 4" HP STL GAS MAIN

WMeter

24" CONCRETE PIPE FILLED IN OUTLET NOT FOUND

10 GPM

10 GPM

3" HP STL GAS MAIN

GAS METER

ALL EXTERIOR GAS LINE WORK WILL BE ACCOMPLISHED BY DCGAS. EXTERIOR GAS WORK IS NOT IN CONTRACT.

CUT AND CAP ABANDON EXIST. IN PLACE

PROPOSED LOW PRESS. GAS MAIN

PROPOSED 4" HP STL GAS MAIN

TRUCK RAMP SEE STRUCTURAL FOR REBAR AND CONCRETE

ABANDON EXIST. IN PLACE

24" CONCRETE PIPE

MH

16'X20' CONCRETE DUMPSTER PAD. SEE STRUCTURAL FOR REBAR AND CONCRETE

NEW CONCRETE

3" HP STL GAS MAIN TO BE ABANDON

EXIST. 6" WATERMAIN

NOTES:

1. ALL EXTERIOR GAS PIPING SHALL BE INSTALLED BY DCGAS.

2. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES WITH DC GAS., HEATH JONES 256-845-3731

3. EXTEND DOWNSPOUTS TO TO CLOSEST DRAIN PIPE OR INLET.

4. EXISTING WATER LINES TO BE FIELD LOCATED. CONTACT: CROSSVILLE WATER DEPT., 256-528-7163

LATHAN McKEE ARCHITECTS

GEC GREENHILL ENGINEERING

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE:

UTILITY PLAN

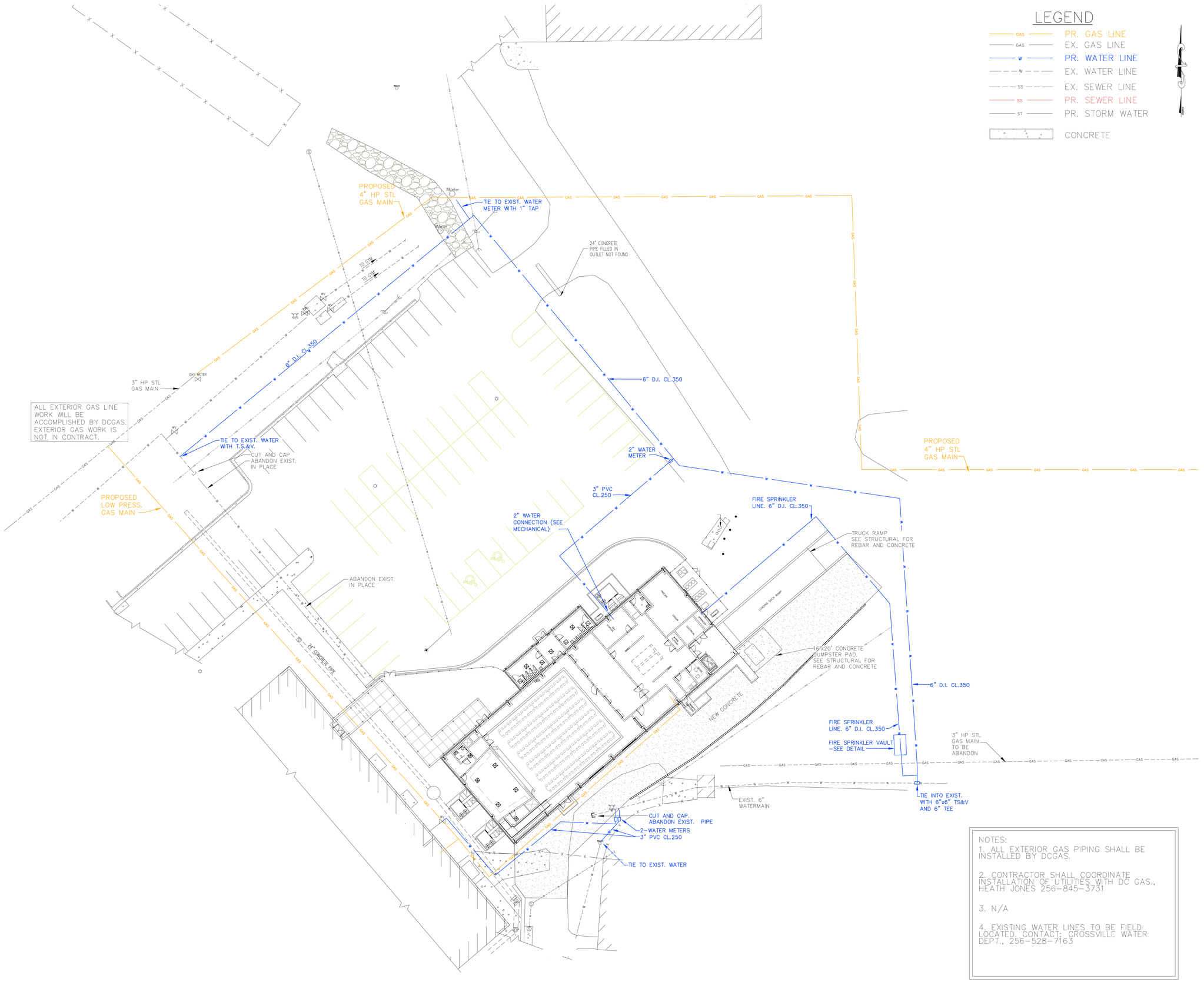
ALABAMA REGISTERED PROFESSIONAL ENGINEER CURTIS H. O'DANIEL JR 22519

CURTIS H. O'DANIEL, JR
NO. 22519

PROJ. MGR.:	CURT ODANIEL
DRAWN:	RBM
SCALE:	1"=20'
DATE:	07/02/26
REVISIONS	

JOB NO.
MKA-26-032-00

SHEET NO:
C-04



NOTES:

1. ALL EXTERIOR GAS PIPING SHALL BE INSTALLED BY DCGAS.

2. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES WITH DC GAS., HEATH JONES 256-845-3731

3. N/A

4. EXISTING WATER LINES TO BE FIELD LOCATED. CONTACT: CROSSVILLE WATER DEPT., 256-528-7163

LATHAN McKEE ARCHITECTS

GEC GREENHILL ENGINEERING

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE:
UTILITY PLAN
POTABLE WATER

ALABAMA REGISTERED PROFESSIONAL ENGINEER
CURTIS H. O'DANIEL JR
10/2/2026

CURTIS H. O'DANIEL, JR
NO. 22519

PROJ. MGR.:	CURT ODANIEL
DRAWN:	RBM
SCALE:	1"=20'
DATE:	07/02/26
REVISIONS	

JOB NO.
MKA-26-032-00

SHEET NO:
C-05

LEGEND

- PR. GAS LINE
- EX. GAS LINE
- PR. WATER LINE
- EX. WATER LINE
- EX. SEWER LINE
- PR. SEWER LINE
- PR. STORM WATER
- CONCRETE

ALL EXTERIOR GAS LINE WORK WILL BE ACCOMPLISHED BY DCGAS. EXTERIOR GAS WORK IS NOT IN CONTRACT.

3" HP STL GAS MAIN

GAS METER

CUT AND CAP ABANDON EXIST. IN PLACE

ABANDON EXIST. IN PLACE

24" CONCRETE PIPE

24" CONCRETE PIPE FILLED IN OUTLET NOT FOUND

WMeter

WMeter

10' D/M

10' D/M

SEWER MH
RIM: 1129.2
INV.OUT: 1123.0
INV.IN: 1127.98

SEWER MH
RIM: 1129.05
INV.OUT: 1120.48
INV.IN: 1120.58
INV.IN: 1121.0

8" D.I. @ 4.57% SLOPE

GREASE TRAP

C.O.

SEWER MH
RIM: 1130.0
INV.OUT: 1125.0
INV.IN: 1126.9

8" TWO WAY C.O.
INV.OUT: 1126.16

8" TWO WAY C.O.
INV.OUT: 1126.8

43.8'

47.7'

8" D.I. @ 1.5% SLOPE

35.07'

SEWER MH
RIM: 1130.75
INV.OUT: 1121.72
INV.IN: 1121.82

8" D.I. @ 1.8% SLOPE

82.03'

SEWER MH
RIM: 1130.75
INV.OUT: 1122.95
INV.IN: 1123.05

8" D.I. @ 6.2% SLOPE

MH RIM: 1132.82
INV.: IN=1125.58
INV.: OUT=1124.82

EXIST. SEWER TO REMAIN IN SERVICE

TRUCK RAMP SEE STRUCTURAL FOR REBAR AND CONCRETE

LOADING DOCK RAMP

16'X20' CONCRETE DUMPSTER PAD. SEE STRUCTURAL FOR REBAR AND CONCRETE

NEW CONCRETE

3" HP STL GAS MAIN TO BE ABANDON

EXIST. 6" WATERMAIN

NOTES:

1. ALL EXTERIOR GAS PIPING SHALL BE INSTALLED BY DCGAS.

2. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES WITH DC GAS., HEATH JONES 256-845-3731

3. N/A.

4. EXISTING WATER LINES TO BE FIELD LOCATED. CONTACT: CROSSVILLE WATER DEPT., 256-528-7163

LATHAN McKEE ARCHITECTS

GEC GREENHILL ENGINEERING

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE:
UTILITY PLAN
PROPOSED SEWER

ALABAMA REGISTERED PROFESSIONAL ENGINEER CURTIS H. O'DANIEL, JR. 07/02/2026

CURTIS H. O'DANIEL, JR
NO. 22519

PROJ. MGR.:	CURT ODANIEL
DRAWN:	RBM
SCALE:	1"=20'
DATE:	07/02/26
REVISIONS	

JOB NO.
MKA-26-032-00

SHEET NO:
C-06

LEGEND

- GAS — PR. GAS LINE
- GAS — EX. GAS LINE
- W — PR. WATER LINE
- W — EX. WATER LINE
- SS — EX. SEWER LINE
- SS — PR. SEWER LINE
- ST — PR. STORM WATER
- CONCRETE

6'x6' OF TYPE 2 RIP-RAP WITH FILTER BLANKET BELOW INV.OUT:1121.33

WMeter

WMeter

24" CONCRETE PIPE FILLED IN OUTLET NOT FOUND

18" D.I. STORM DRAIN

10 GAL

10 GAL

3" HP STL GAS MAIN

GAS METER

ALL EXTERIOR GAS LINE WORK WILL BE ACCOMPLISHED BY DCGAS. EXTERIOR GAS WORK IS NOT IN CONTRACT.

CUT AND CAP ABANDON EXIST. IN PLACE

STORM INLET GRATE: 1129.5 INV.OUT:1123.78 INV.IN:1123.88

STORM INLET RIM:1130.0 INV.OUT:1124.3 INV.IN:1124.4 INV.IN:1126.8

TRUCK RAMP SEE STRUCTURAL FOR REBAR AND CONCRETE

12" D.I. STORM PIPE @ 1% SLOPE

ABANDON EXIST. IN PLACE

24" CONCRETE PIPE

12" CAPPED INV.: 1128.0

STORM INLET GRATE:1130.0 INV.OUT:1124.51 INV.IN:1124.61 TRENCH DRAIN INV.IN:1125.37

D.I. PIPE

TRENCH DRAIN INV.OUT:1125.5

CONC. TRENCH DRAIN WITH HEAVY DUTY COMMERCIAL GRATE

15" RCP @ .04%

16'X20' CONCRETE DUMPSTER PAD. SEE STRUCTURAL FOR REBAR AND CONCRETE

STORM INLET RIM:1130.0 INV.OUT:1125.0 INV.IN:1126.28

NEW CONCRETE

12" D.I. STORM PIPE @ 1% SLOPE

STORM INLET RIM:1130.0 INV.OUT:1126.9 INV.IN:1127.0

3" HP STL GAS MAIN TO BE ABANDON

STORM INLET GRATE:1129.24

12" D.I. STORM PIPE @ 1% SLOPE

EXIST. 6" WATERMAIN

STORM INLET RIM:1130.0 INV.OUT:1127.50

STORM INLET BOX TOP EL=1130.0 INV.:OUT=1128.0

12" D.I. STORM PIPE @ 1% SLOPE

CORE INTO EXIST. 30" RCP PIPE INV.IN:1127.5

NOTES:

1. ALL EXTERIOR GAS PIPING SHALL BE INSTALLED BY DCGAS.

2. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES WITH DC GAS., HEATH JONES 256-845-3731

3. EXTEND DOWNSPOUTS TO TO CLOSEST DRAIN PIPE OR INLET.

4. SEE STORM WATER DETAILS SHT. 7

4. EXISTING WATER LINES TO BE FIELD LOCATED. CONTACT: CROSSVILLE WATER DEPT., 256-528-7163

LATHAN McKEE ARCHITECTS

GEC GREENHILL ENGINEERING

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

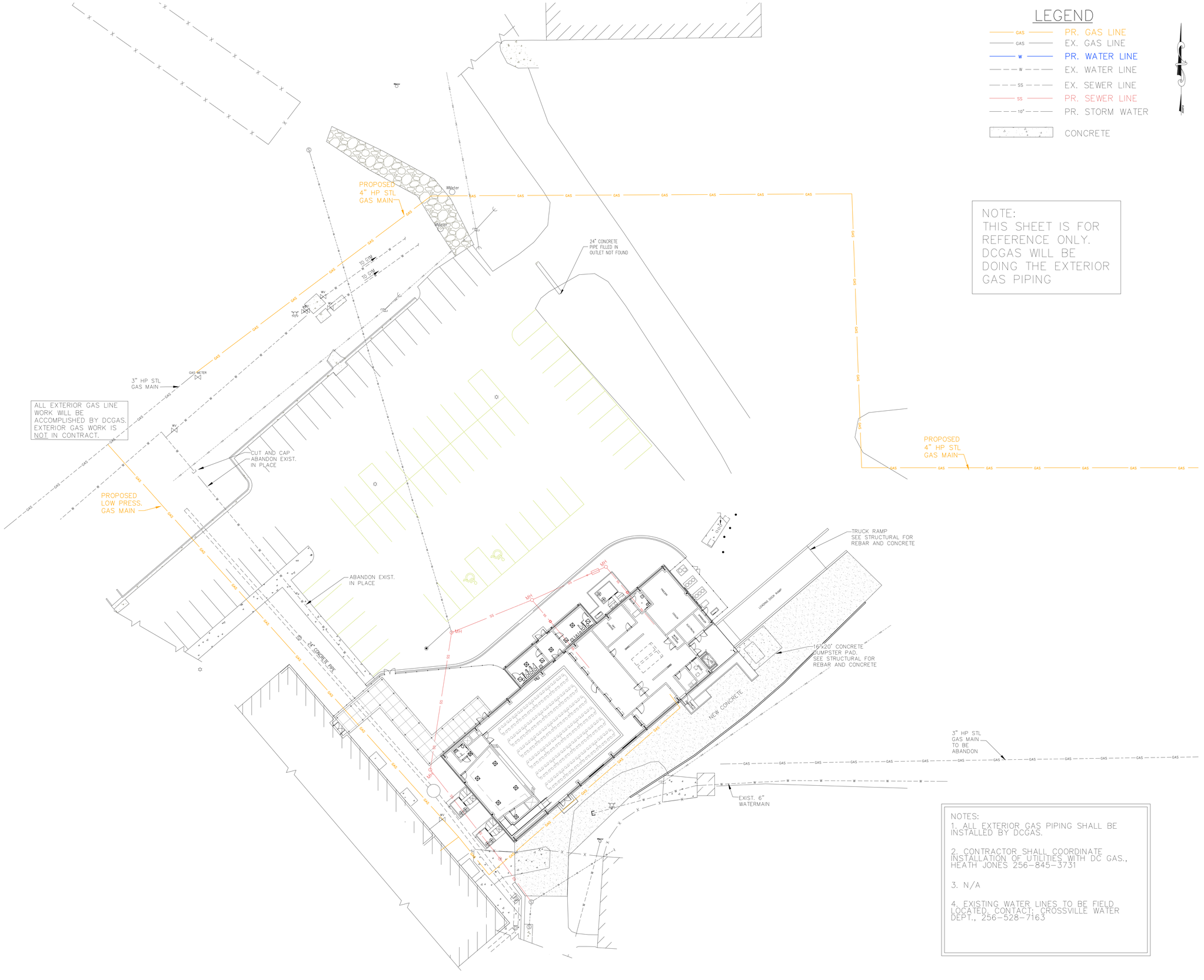
SHEET TITLE:
UTILITY PLAN
STORMWATER

CURTIS H. O'DANIEL, JR
NO. 22519

PROJ. MGR.:	CURT ODANIEL
DRAWN:	RBM
SCALE:	1"=20'
DATE:	07/02/26
REVISIONS	

JOB NO.
MKA-26-032-00

SHEET NO:
C-07



LATHAN ▪ McKEE ARCHITECTS

GEC GREENHILL ENGINEERING

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE:
UTILITY PLAN
GAS -
FOR REFERENCE ONLY

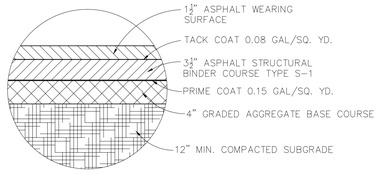
ALABAMA LICENSED PROFESSIONAL ENGINEER 22519 CURTIS H. O'DANIEL, JR

CURTIS H. O'DANIEL, JR
NO. 22519

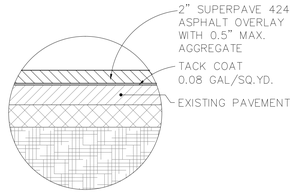
PROJ. MGR.:	CURT ODANIEL
DRAWN:	RBM
SCALE:	1"=20'
DATE:	07/02/26
REVISIONS	

JOB NO.
MKA-26-032-00

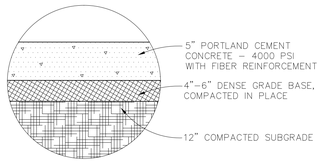
SHEET NO:
C-08



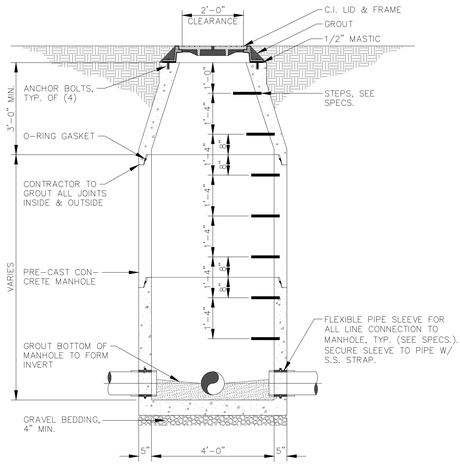
NEW 5" ASPHALT PAVEMENT DETAIL
NTS



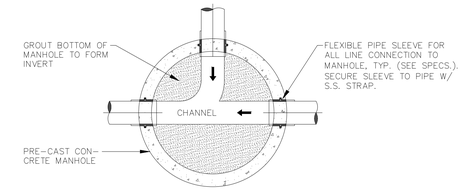
2" ASPHALT PAVEMENT OVERLAY DETAIL
NTS



CONCRETE PAVEMENT DETAIL
NTS



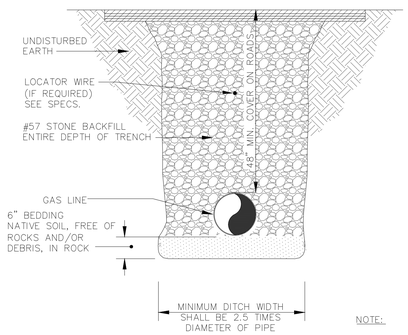
SECTION



PLAN

STANDARD MANHOLE DETAIL
NTS

TWO WAY CLEANOUT



PAVED ROAD CROSSING
NOT TO SCALE

CONTRACTOR IS RESPONSIBLE FOR DITCH SAFETY DURING EXCAVATION. SLOPE DITCH WALLS ACCORDINGLY.

NOTES:

1. ALL STATE RIGHT OF WAY'S SHALL HAVE A MINIMUM COVER OF 36"
2. ALL COUNTY RIGHT OF WAYS SHALL HAVE A MINIMUM COVER OF 36".
3. SERVICE LINES ON PRIVATE PROPERTY SHALL HAVE A MINIMUM COVER OF 24"

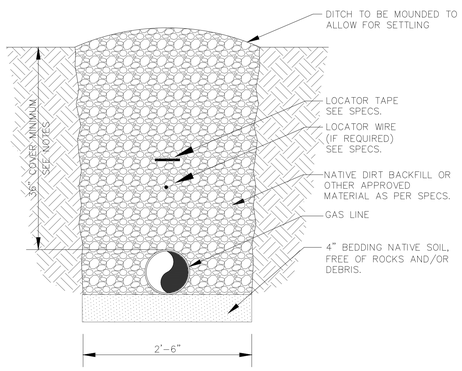
NOTE:

OPEN CUTTING OF PAVEMENT SHALL BE DONE IN THE MANNER AND SEQUENCE AS FOLLOWS:

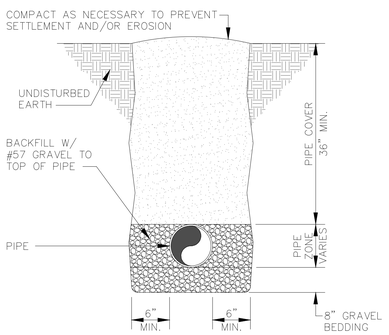
A. OPEN TRENCH TO MINIMUM WIDTH REQUIRED, LAY PIPING.

B. BACKFILL TRENCH TO SURFACE LEVEL PENDING REPLACING PAVEMENT AND ADDING LIMESTONE AS SHOWN.

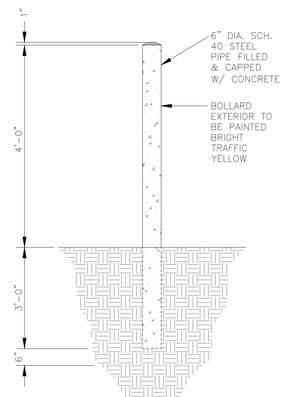
C. PLACE COMPACTED ASPHALT PAVEMENT TO MATCH EXISTING PAVING FOR TRENCH WIDTH PLUS 12" ON EACH SIDE. SAW PAVING STRAIGHT & EVENLY BEFORE PLACEMENT OF ASPHALT PATCH.



TRENCH DETAIL
NOT TO SCALE



SEWER TRENCH DETAIL
NOT TO SCALE



BOLLARD DETAIL
NOT TO SCALE

LATHAN McKEE ARCHITECTS

GEC GREENHILL ENGINEERING

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE:
CIVIL DETAILS 1

ALABAMA REGISTERED PROFESSIONAL ENGINEER 19802 CURTIS H. O'DANIEL, JR

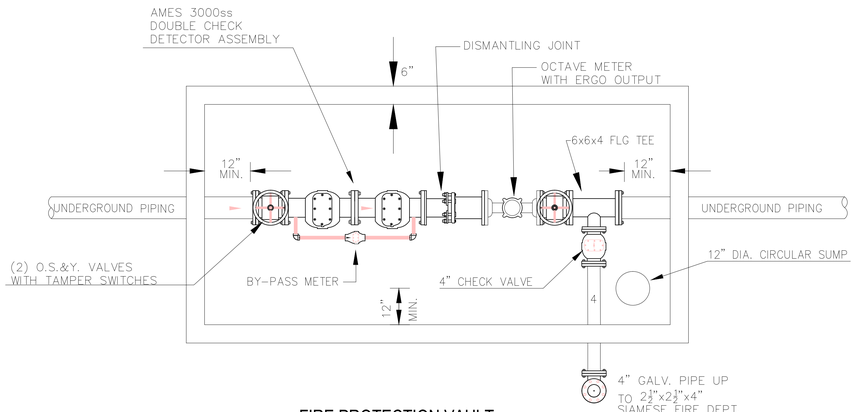
CURTIS H. O'DANIEL, JR
NO. 22519

PROJ. MGR.:	CURT ODANIEL
DRAWN:	RBM
DATE:	07/02/26
REVISIONS	

JOB NO.
MKA-26-032-00

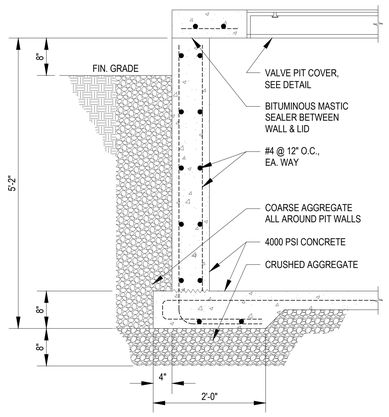
SHEET NO:
C-09

0 1" 2"



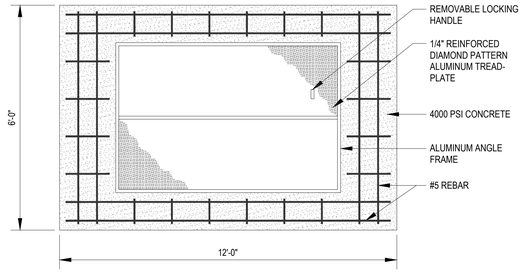
FIRE PROTECTION VAULT

NOT TO SCALE



VALVE PIT WALL SECTION (TYP)

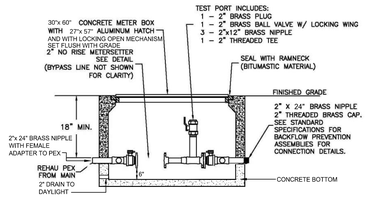
NTS



VALVE PIT COVER DETAIL (TYP)

NTS

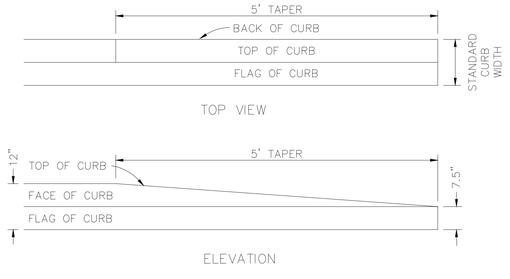
NOTES:
1. BOTH CONCRETE PITS SHALL BE EQUIPPED WITH ALUMINUM HATCHES.
2. LIDS SHALL BE LOCKABLE, ¼" DIAMOND TREAD ALUMINUM PLATE.
3. OVER EXCAVATE PITS A MINIMUM 4" AND LEVEL WITH #57 STONE.
4. CONCRETE VAULTS SHALL INCLUDE 2" DRAIN TO DAYLIGHT.
5. SEE ATTACHED VAULT LID DETAILS.
6. ALL BURIED PIPING FITTINGS SHALL BE INSTALLED WITH MEGALUGS OR APPROVED EQUAL RESTRAINING SYSTEM.



NOTES:
1. CONCRETE VAULT IS TO BE 4500 PSI @ 28 DAYS.
2. CONCRETE VAULT IS TO BE REINFORCED WITH #3 BARS.
3. ENTIRE VAULT AREA IS TO HAVE A MINIMUM BEDDING OF 12" DEEP ¾" DIA. CRUSHED STONE OR APPROVED EQUAL.

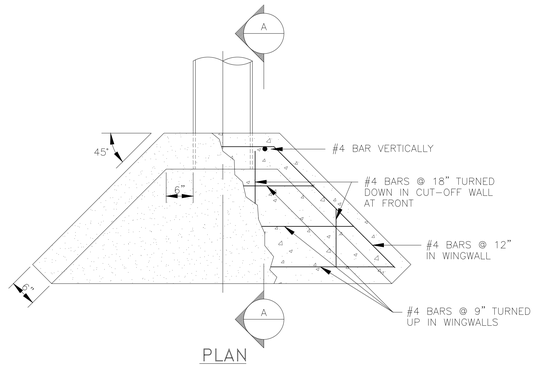
2" METER DETAIL

NOT TO SCALE



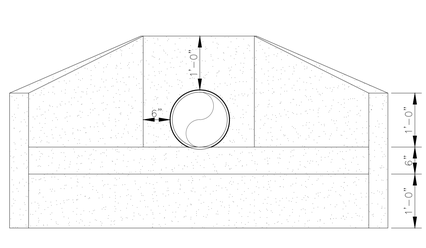
CURB TAPER DETAIL

NOT TO SCALE

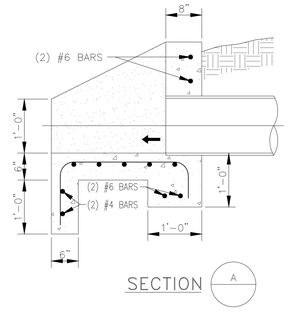


PLAN

NOTES:
1. CENTER REINFORCEMENT 3" FROM FACE OF CONCRETE.
2. SLOPE OF APRON SHALL COINCIDE WITH THAT OF PIPE.



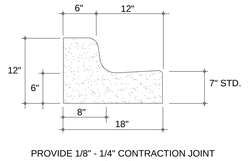
ELEVATION



SECTION A

WINGWALL HEADWALL DETAIL

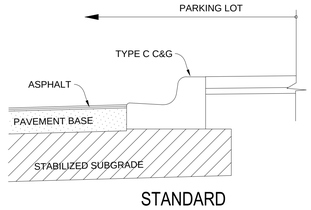
NOT TO SCALE



PROVIDE 1/8" - 1/4" CONTRACTION JOINT
AT 10' CENTERS (MAX.)

TYPE C CURB AND GUTTER DETAIL

NOT TO SCALE



STANDARD CONSTRUCTION DETAIL

NOT TO SCALE

LATHAN ▪ McKEE ARCHITECTS

GEC GREENHILL ENGINEERING

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE:
CIVIL DETAILS 2

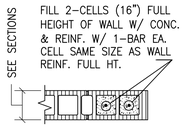
CURTIS H. O'DANIEL, JR
NO. 22519

PROJ. MGR.:	CURT ODANIEL
DRAWN:	RBM
DATE:	07/02/26
REVISIONS	

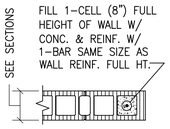
JOB NO.
MKA-26-032-00

SHEET NO:
C–10

0 1" 2"

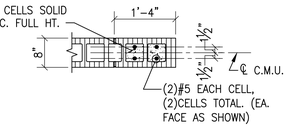


JAMB AT 16" HIGH CMU LINTELS BEARING 16"



JAMB AT 8" HIGH CMU LINTELS BEARING 8"

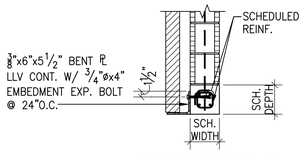
NOTE:
ALL JAMB REINF. SHALL BE CONT. THRU LINTEL. MAINTAIN 3" VERT. BAR SPACING WHERE BEAM HORIZ. REINF. PASSES BETWEEN VERT. BARS. MAINTAIN 1" CLEARANCE BETWEEN BEAM HORIZ. BARS.



JAMB AT CONCRETE LINTELS & 24" HIGH CMU U-BLOCK LINTELS

TYPICAL JAMB REINFORCING DETAILS

(UNLESS NOTED OTHERWISE ON DRAWINGS)



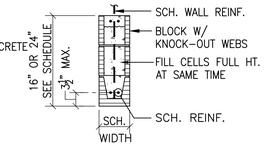
BRICK SUPPORT AT CONCRETE BEAM LINTEL

LINTEL SCHEDULE

MARK OR LOCATION	MAX. SPAN	TYPE	SIZE	REINFORCEMENT	REMARKS
BRICK	4'-0"	STEEL ANGLE	L4x4x¼	-----	BEAR 8" EACH END
BRICK	6'-8"	STEEL ANGLE	L6x4x⅜	-----	LONG LEG VERTICAL BEAR 8" EACH END
BRICK	8'-8"	STEEL ANGLE	L7x4x⅜	-----	LONG LEG VERTICAL BEAR 12" EACH END
8"CMU	3'-4"	U-BLOCK	8"x8"	#5 TOP & BOTTOM	8" HIGH U-BLOCK
8"CMU	6'-8"	U-BLOCK	8"x16"	(2)#5 TOP & BOTTOM	16" HIGH U-BLOCK
8"CMU	8'-8"	U-BLOCK	8"x24"	(2)#5 TOP & BOTTOM	24" HIGH U-BLOCK
L-1	10'-0"	CONC. BEAM	7⅝"x8"	(2)#5 TOP & BOTTOM #3 @ 6"O.C.	BEAR 16" EACH END SEE NOTE 3

NOTES:

1 - UNLESS NOTED OTHERWISE, BEAR 8" HIGH U-BLOCKS 8" EA. END AND 16" AND 24" HIGH U-BLOCKS 16" EACH END. BEAR CONCRETE BEAMS 16" EACH END
2 - FILL CELLS WITH CONCRETE FULL HEIGHT AT U-BLOCK. BEARING FOR ENTIRE LENGTH OF BEARING & REINF. EA. CELL W/ BAR SAME SIZE AS WALL REINFORCING. VERTICAL REINF. SHALL BE CONTINUOUS THRU LINTEL AT BEARING.
3 - BEAR CONC. BEAMS 16" EA. END. USE REINF. BAR EA. FACE (8"O.C.= 4 BARS TOTAL EA. JAMB). SEE TYP. JAMB CONDITION @ CONC. BEAM LINTELS THIS SHEET.



16" & 24" HIGH U-BLOCK

FOOTING SCHEDULE

MARK	SIZE	DEPTH	REINFORCEMENT
A	3'-3" x 3'-3"	12"	3-#4 EA. WAY TOP 5-#4 EA. WAY BOT.
B	3'-9" x 3'-9"	12"	3-#4 EA. WAY TOP 5-#4 EA. WAY BOT.
C	4'-3" x 4'-3"	12"	4-#4 EA. WAY TOP 6-#4 EA. WAY BOT.
D	5'-0" x 5'-0"	12"	5-#4 EA. WAY TOP 7-#4 EA. WAY BOT.

GENERAL NOTES

FOUNDATION:
1. THE BEARING STRATA OF ALL FOOTINGS AND GRADE BEAMS SHALL BE INSPECTED AND APPROVED BY THE SOILS TESTING LABORATORY PRIOR TO PLACING THE REINFORCING STEEL AND CONCRETE.
2. ALL FOOTINGS SHALL BEAR ON COMPACTED ENGINEERED FILL SOILS OR HIGH CONSISTENCY RESIDUAL SOILS CAPABLE OF SUSTAINING THE LOADS. REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL COMPACTION REQUIREMENTS INCLUDING MANUAL COMPACTION OF ALL FOOTING BEARING SURFACES AND GEOTECHNICAL OBSERVATION PRIOR TO REBAR PLACEMENT.
3. FOOTINGS WERE DESIGNED FOR AN ALLOWABLE SOIL BEARING OF P = 2500 PSF. ALLOWABLE SOIL BEARING SHALL BE VERIFIED BY TESTING AGENCY PRIOR TO FOOTINGS BEING POURED.
4. ELEVATIONS SHOWN ON PLAN ARE TOP OF FOOTINGS AND ARE MINIMUM DEPTH. DIFFERENT OR UNUSUAL CONDITIONS SHALL BE REPORTED TO THE ARCHITECT AND/OR ENGINEER.
5. ALL FOOTING REINFORCEMENT SHALL BE HELD SECURELY FROM THE GROUND. CONCRETE BLOCK AND BROKEN TILE SHALL NOT BE USED. CONCRETE OR CLAY BRICK MAY BE USED.
6. DOWEL ALL FOOTINGS AND WALLS WHERE THEY ABUT WITH SAME STEEL AS VERTICAL.
7. PROVIDE PREFORMED EXPANSION JOINT WHERE SHOWN.
8. IN FOOTINGS PROVIDE CORNER BARS AT ALL EXTERIOR BUILDING CORNERS.
9. DO NOT BACK FILL BEHIND FOUNDATION WALLS UNTIL TOP AND BOTTOM SLABS HAVE BEEN POURED AND ATTAINED THEIR DESIGN STRENGTHS.
10. BACK FILL BOTH SIDES OF FOUNDATION WALLS AT SAME TIME TO PREVENT OVERTURNING.
11. BACK FILL BEHIND ALL RETAINING WALLS SHALL BE AN APPROVED GRANULAR MATERIAL.

CONCRETE:
1. ALL CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH AT 28 DAYS OF F'c = 3000 PSI AND A MAXIMUM WATER-CEMENT RATIO OF 0.53. ALL CONCRETE FOR EXTERIOR APPLICATIONS SHALL CONTAIN ENTRAINED AIR. SEE SPECS FOR ADDITIONAL INFORMATION.
2. REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60.
3. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 OR ASTM A1064.
4. UNLESS NOTED OTHERWISE PROTECTIVE COVERING OF REINFORCEMENT SHALL BE AS FOLLOWS (SEE DETAILS) : FOOTINGS AND GRADE BEAMS 3" CLEAR BOTTOM AND SIDES, 1 1/2" CLEAR TOP. CONCRETE SLABS 3/4" CLEAR. WALLS 1 1/2" CLEAR SIDES. BEAMS 1 1/2" CLEAR TO STIRRUPS. FORMED CONCRETE COLUMNS 1 1/2" CLEAR TO TIES.
5. LAP ALL CONCRETE WALL VERTICAL REINFORCING AND CONCRETE BEAM HORIZONTAL REINFORCING WITH CLASS B LAP SPLICES. SPLICE TIE RODS WITH MECHANICAL SPLICES CAPABLE OF DEVELOPING 125% OF THE BAR YIELD STRENGTH. LAP ALL OTHER CONTINUOUS BARS WITH CLASS A SPLICES UNLESS NOTED OTHERWISE.
6. PLACING PLANS AND DETAILS SHALL BE IN ACCORDANCE WITH THE LATEST "A.C.I. DETAILING MANUAL".
7. STEEL FABRICATOR SHALL SUBMIT SHOP DRAWINGS FOR THE ARCHITECT AND/OR ENGINEER'S REVIEW.
8. DO NOT RUN CONDUITS, RACEWAYS, OR PIPES IN CONCRETE SLABS, BEAMS, OR COLUMNS WITHOUT SPECIFIC APPROVAL FROM BLACKBURN DANIELS O'BARR.

MASONRY:
1. PROVIDE MASONRY HORIZONTAL JOINT REINFORCEMENT 16" O.C. VERTICAL IN ALL CONCRETE BLOCK WALLS. REINFORCEMENT SHALL BE FOR TOTAL WIDTH OF CAVITY WALLS.
2. WHERE CONCRETE OR STEEL BEAMS BEAR ON CONCRETE BLOCK WALLS, BLOCK CELLS SHALL BE FILLED WITH CONCRETE 1'-4" WIDE TO FOUNDATION AND REINFORCED WITH A #5 EACH CELL UNLESS NOTED OR DETAILED OTHERWISE.
3. CONCRETE OR GROUT FOR BLOCK FILL SHALL HAVE 3/8 INCH MAXIMUM SIZE COARSE AGGREGATE AND SUFFICIENT WATER SO THE CONCRETE WILL FLOW INTO THE BLOCK CELLS WITHOUT LEAVING VOIDS. HEIGHT OF LIFT WHEN FILLING CELLS SHALL NOT EXCEED 4'-0".
4. CONCRETE OR GROUT FILL FOR C.M.U. SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF F'c = 3000 PSI. ON 16" AND DEEPER U-BLOCKS, FILL CELLS FULL HEIGHT OF LINTEL AT SAME TIME.
5. ANCHOR ALL MASONRY WALLS TO STEEL COLUMNS WITH STRAP ANCHORS AT 16" O.C. VERTICALLY UNLESS SHOWN OTHERWISE.
6. UNLESS INDICATED OTHERWISE PROVIDE KEYED RUBBER MASONRY CONTROL JOINTS AT A MAXIMUM SPACING OF 25'-4". JOINT SHALL BE DISCONTINUOUS AT BOND BEAM. COORDINATE EXACT LOCATIONS WITH ARCHITECT.
7. PROVIDE REINFORCING BAR SUPPORTS TO CENTER VERTICAL REINFORCING IN MASONRY WALLS.
8. PROVIDE 48 DIAMETER LAP SPLICE IN VERTICAL MASONRY REINFORCING.
9. PROVIDE CORNER BARS IN U-BLOCK BOND BEAMS AT CORNERS, TYPICAL.
10. ALL CMU SHALL BE PLACED IN A RUNNING BOND PATTERN UNLESS NOTED OTHERWISE ON ARCHITECTURAL DRAWINGS.
11. VERTICAL REINFORCING SHALL BE CONTINUOUS THROUGH BOND BEAMS AND LINTELS (CUT OUT OR NOTCH BOTTOM OF U-BLOCKS AS REQUIRED -- DO NOT SUBSTITUTE BLOCK WITH KNOCK-OUT WEBS WHERE STANDARD U-BLOCK IS INDICATED). FOR BOND BEAMS AT TOP OF WALL, EXTEND VERTICAL REINFORCING TO 1" CLEAR TOP OF BOND BEAM.
12. UNLESS NOTED OTHERWISE, EXPANSION BOLTS FOR GROUT-FILLED CMU SHALL BE HILTI KWIK BOLT 3 OR APPROVED EQUAL AND SLEEVE ANCHORS FOR HOLLOW CMU SHALL BE HILTI HLC OR APPROVED EQUAL.

STRUCTURAL STEEL:
1. ALL STRUCTURAL STEEL W AND WT SHAPES SHALL CONFORM TO ASTM A992 (GRADE 50). OTHER SHAPES (EXCEPT TUBE SECTIONS) SHALL CONFORM TO ASTM, A36, LATEST EDITION.
2. STRUCTURAL STEEL TUBE SECTIONS SHALL CONFORM TO ASTM A500, GRADE B, Fy = 46.0 KSI.
3. HEADED STUDS SHALL BE TYPE B SHEAR CONNECTORS (Fu = 65 KSI).
4. STEEL FABRICATOR SHALL SUBMIT SHOP DRAWINGS FOR THE ARCHITECT AND/OR ENGINEER'S REVIEW.
5. THE CONTRACTOR SHALL VERIFY ALL SHOP DRAWINGS DIMENSIONS WITH STRUCTURAL AND ARCHITECTURAL PLANS AND DETAILS.
6. BOLTED CONNECTIONS SHALL BE MADE WITH HIGH STRENGTH BOLTS CONFORMING TO ASTM A325. USE 3/4 INCH DIAMETER MINIMUM.
7. CONNECTIONS NOT SHOWN ON DRAWINGS SHALL BE DESIGNED BY THE FABRICATOR. WHERE POSSIBLE USE DOUBLE ANGLE CONNECTIONS. USE MAXIMUM NUMBER OF BOLTS FOR DEPTH OF BEAM WITH SINGLE ROW OF BOLTS.
8. OPEN WEB STEEL JOIST SHALL CONFORM TO THE SPECIFICATIONS OF THE AISC AND SJI AND TO THE LATEST OSHA STEEL ERECTION STANDARD.
9. UNLESS SHOWN OTHERWISE PROVIDE BRIDGING, BEARING SEATS, AND STABILIZER PLATES IN ACCORDANCE WITH ABOVE SPECIFICATIONS AND STANDARD.
10. ALL BRIDGING SHALL BE SECURELY ANCHORED AT END OF EACH RUN. WELD TO STEEL BEAM OR ANCHOR TO MASONRY WALL WITH 3/8 " ANCHOR BOLTS.
11. WHERE JOISTS CAN NOT BEAR 2 1/2 INCHES ON STEEL BEAMS, STAGGER LOCATION OF JOISTS TO PROVIDE 2 1/2 INCHES MINIMUM BEARING.
12. ROOF JOISTS AND BRIDGING SHALL BE DESIGNED FOR A NET UPLIFT OF 20 PSF (ASD).

PRE-ENGINEERED METAL BUILDING:
1. THE COMPLETE DESIGN OF METAL BUILDING INCLUDING ALL COMPONENTS SHOWN OR NOT SHOWN ON THE DRAWINGS SHALL BE ACCOMPLISHED BY THE BUILDING MANUFACTURER.
2. THE DESIGN SHALL BE MADE BY A REGISTERED ENGINEER, REGISTERED IN THE STATE OF ALABAMA AND HE SHALL AFFIX HIS REGISTRATION NUMBER TO ALL SHOP DRAWINGS AND CALCULATIONS.
3. THE BUILDING AND ALL OF ITS COMPONENTS SHALL BE DESIGNED FOR THE FOLLOWING DEAD AND LIVE LOADS;
   a.) ACTUAL WEIGHT OF STEEL STRUCTURE.
   b.) 10 PSF DEAD (COLLATERAL) LOAD IN ADDITION TO ACTUAL WEIGHT OF STRUCTURE AND ROOFING MATERIALS.
   c.) 20 PSF ROOF LIVE LOAD.
   d.) ANY ADDITIONAL LOADS AND REACTIONS THAT ARE SHOWN ON THE DRAWINGS.
   e.) WIND LOADING AS REQUIRED BY INTERNATIONAL BUILDING CODE.
4. NO LIVE LOAD REDUCTION SHALL BE TAKEN FOR THE DESIGN OF THE RIGID FRAMES.
5. WHERE MEMBER SIZES AND GAGES ARE SHOWN THEY SHALL BE CONSIDERED A MINIMUM SIZE. THE MANUFACTURER SHALL NOT USE SMALLER SIZE OR LIGHTER GAGES, OR OMIT FRAMING WHERE INDICATED. HE SHALL USE ONLY LARGER SIZE AND HEAVIER GAGES IF HIS DESIGN INDICATES THESE ARE REQUIRED TO MEET THE LOADING CRITERIA
6. THE DEFLECTION OF GIRTS SHALL BE LIMITED TO 1/240 OF THE SPAN AND DEFLECTION OF PURLINS SHALL BE LIMITED TO 1/240 OF THE SPAN. DEFLECTION OF RIGID FRAMES SHALL BE LIMITED TO 1/240 OF THE SPAN. DEFLECTIONS SHALL BE BASED ON TOTAL LOAD (DEAD PLUS LIVE LOADS). TOTAL RIGID FRAME DRIFT SHALL BE LIMITED TO H/360, WHERE H IS EQUAL TO THE EAVE HEIGHT.
7. COLUMN BASES SHALL BE DESIGNED AS PINNED CONNECTIONS. MOMENTS AT COLUMN BASE PLATES ARE NOT ACCEPTABLE.
8. PROVIDE ROD X-BRACING (WITH COLUMN STIFFENERS OR BRACES AS REQUIRED) TO TRANSFER SHEAR INTO HSS GIRTS AT TOP OF CMU SHEAR WALLS.

CODES:
ALL PARTS SHALL BE FURNISHED AND ERECTED ACCORDING TO THE APPLICABLE CODES AND SPECIFICATIONS OF THE FOLLOWING:
AMERICAN CONCRETE INSTITUTE (ACI)
AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)
AMERICAN WELDING SOCIETY (AWS)
OSHA STEEL ERECTION STANDARD (OSHA)
INTERNATIONAL BUILDING CODE (IBC 2021) (ICC)

DESIGN LIVE LOADS:
ROOF.....20 PSF.
WIND.....INTERNATIONAL BUILDING CODE (PER ASCE 7-16)
WIND EXPOSURE.....C
RISK CATEGORY (PER IBC 2021/ASCE 7-16).....III
ULTIMATE DESIGN WIND SPEED (Vult).....112 MPH
NOMINAL DESIGN WIND SPEED (Vasd)..... 87 MPH
INTERNAL PRESSURE COEFFICIENTS (GYM).....+/-0.18
SEISMIC....INTERNATIONAL BUILDING CODE (PER ASCE 7-16)
SEISMIC IMPORTANCE FACTOR.....Ie=1.25
MAPPED SPECTRAL ACCELERATION (SHORT-TERM).Ss=0.301g
MAPPED SPECTRAL ACCELERATION (1-SECOND)...S1=0.106g
SITE CLASS.....D
SHORT-PERIOD SPECTRAL RESPONSE ACCEL.....Sds=0.313g
1-SECOND SPECTRAL RESPONSE ACCEL.....Sd1=0.168g
SEISMIC DESIGN CATEGORY.....C
SEISMIC FORCE-RESISTING SYSTEM(S):
STEEL RIGID MOMENT FRAMES
STEEL ROD X-BRACING
CMU SHEAR WALLS
DESIGN BASE SHEAR (ULTIMATE).....62k
SEISMIC RESPONSE COEFFICIENT.....Cs=0.130
RESPONSE MODIFICATION FACTOR.....R=3
ANALYSIS PROCEDURE.....ASCE 7 (SECT 12.8)
SNOW.....INTERNATIONAL BUILDING CODE
GROUND SNOW LOAD.....Pg=0 PSF

COMPONENTS AND CLADDING ULTIMATE WIND PRESSURES:
NOTE: MULTIPLY ALL VALUES SHOWN BELOW BY 0.6 TO GET ALLOWABLE DESIGN PRESSURES.
SEE FIGURE 30.4-1 OF ASCE 7-16 FOR INDICATED ZONES

PITCHED ROOF:TRIBUTARY AREA A = 10 SF
ZONE 1: -54.3 PSF/17.8 PSF
ZONE 2e: -54.3 PSF/17.8 PSF
ZONE 2n: -79.2 PSF/17.8 PSF
ZONE 2r: -79.2 PSF/17.8 PSF
ZONE 3e: -79.2 PSF/17.8 PSF
ZONE 3r: -94.1 PSF/17.8 PSF
PITCHED ROOF:TRIBUTARY AREA A = 100 SF
ZONE 1: -16.9 PSF/12.0 PSF
ZONE 2e: -16.9 PSF/12.0 PSF
ZONE 2n: -43.6 PSF/12.0 PSF
ZONE 2r: -43.6 PSF/12.0 PSF
ZONE 3e: -43.6 PSF/12.0 PSF
ZONE 3r: -49.3 PSF/12.0 PSF
WALL:TRIBUTARY AREA A = 10 SF
ZONE 4: -31.9 PSF/29.4 PSF
ZONE 5: -39.4 PSF/29.4 PSF
WALL:TRIBUTARY AREA A = 50 SF
ZONE 4: -28.8 PSF/26.3 PSF
ZONE 5: -33.2 PSF/26.3 PSF
WALL:TRIBUTARY AREA A = 100 SF
ZONE 4: -27.5 PSF/25.0 PSF
ZONE 5: -30.5 PSF/25.0 PSF
CORNER ZONE = 6.2 FT

SPECIAL INSPECTIONS:
ALL SPECIAL INSPECTIONS REQUIRED BY CHAPTER 17 OF IBC SHALL BE PERFORMED BY A DESIGNATED TESTING AGENCY OR AGENCIES RESPONSIBLE FOR SPECIAL INSPECTIONS.

LATHAN ▪ McKEE ARCHITECTS

Cafeteria Addition at Crossville High School for Dekalb County Board Of Education

SHEET TITLE: GENERAL NOTES AND SCHEDULES

ALABAMA REGISTERED NO. 22214 PROFESSIONAL ENGINEER RICHARD MARK ALLISON
6-30-26

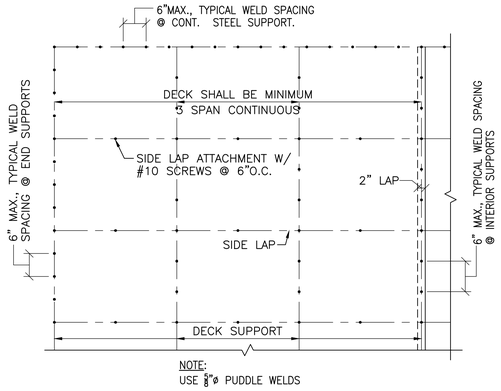
PROJ. MGR.:	RMO
DRAWN:	RAS
DATE:	06/30/26
REVISIONS	

JOB NO. MKA-26-032-00

SHEET NO: S0.1

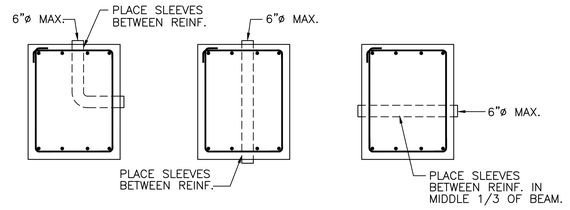
0 1" 2"

- Monday, June 29, 2026 8:21:39 AM



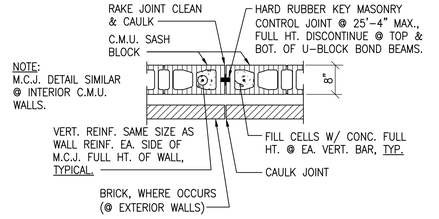
TYPICAL ROOF DECK ATTACHMENT REQUIREMENTS AT LOW JOIST ROOF

NO SCALE

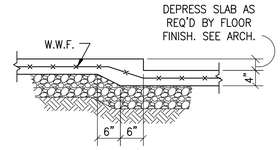


TYPICAL PLUMBING SLEEVE IN GRADE BEAM DETAILS

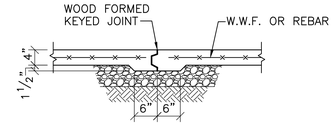
NOTES:
1. ALL SLEEVES PLACED IN GRADE BEAMS SHALL BE MADE W/ SCHEDULE 40 STEEL PIPE. PROVIDE 3"ø STEEL PIPE SLEEVES @ 2"ø PLUMBING PIPES & 6"ø SLEEVES @ 4"ø PLUMBING PIPES.
2. PLACE PLUMBING PIPE OUTSIDE OF GRADE BEAMS & BELOW GRADE BEAMS WHERE POSSIBLE. ONLY SLEEVE GRADE BEAM WHEN THIS IS NOT POSSIBLE.
3. ALL SLEEVES PENETRATING VERTICALLY THRU TOP OR BOTTOM OF BEAM SHALL REQUIRE APPROVAL FROM BLACKBURN DANIELS O'BARR INC. ALL OTHER PENETRATIONS SHALL BE SUBJECT TO APPROVAL AS DEEMED NECESSARY BY BLACKBURN DANIELS O'BARR.



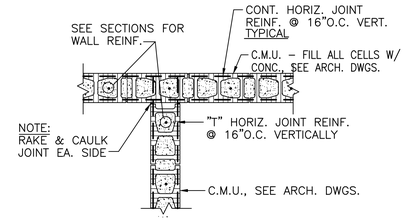
TYPICAL MASONRY CONTROL JOINT (M.C.J.)



TYPICAL SLAB DEPRESSION DETAIL

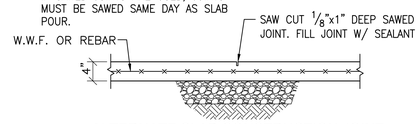


TYPICAL SLAB CONSTRUCTION JOINT DETAIL-(C.J.)

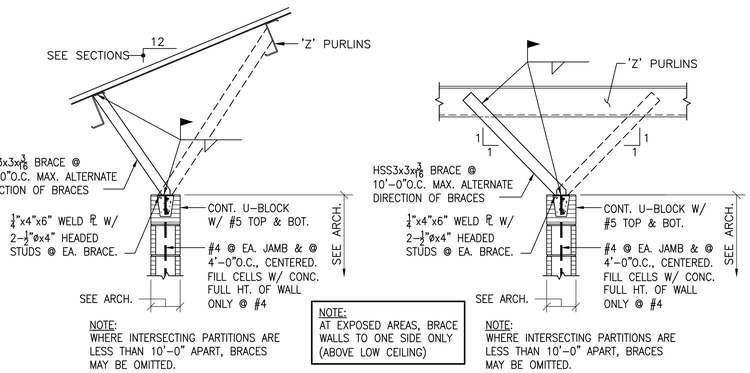


TYPICAL DETAIL AT WALL INTERSECTION

NOTE:
IF SAWED JOINTS ARE USED, JOINTS MUST BE SAWED SAME DAY AS SLAB POUR.

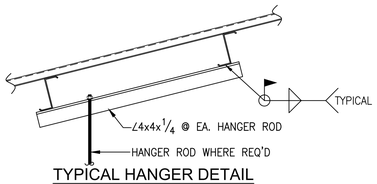


ALTERNATE SLAB CONSTRUCTION JOINT DETAIL (SAWED JOINT)

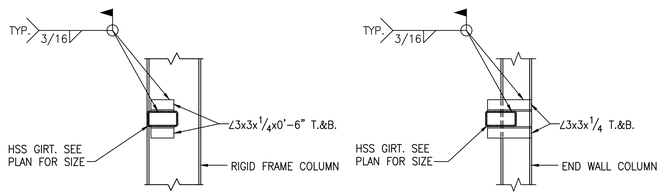


WALL PARALLEL TO PURLINS — WALL PERPENDICULAR TO PURLINS

TYPICAL PARTITION WALL BRACING DETAILS

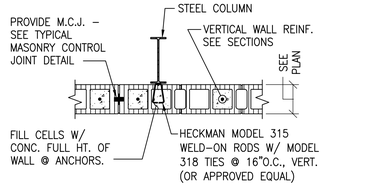


TYPICAL HANGER DETAIL

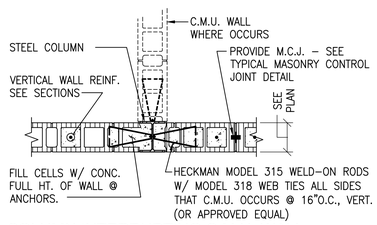


TYPICAL GIRT TO COLUMN CONNECTION DETAIL

(GIRT FRAMING PERPENDICULAR TO COLUMN FLANGE SIMILAR)

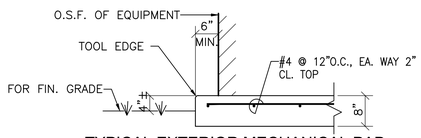


C.M.U. WALL BYPASSING COLUMN

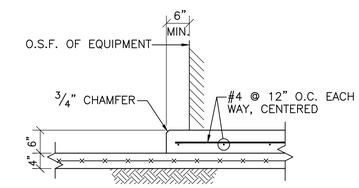


COLUMN INTERRUPTING C.M.U. WALL

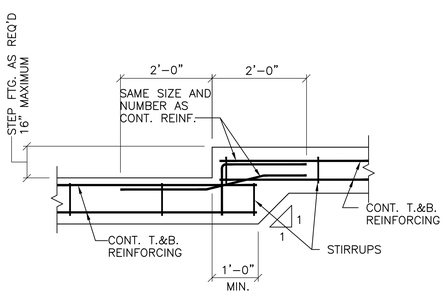
TYPICAL COLUMN-C.M.U. WALL ANCHORAGE DETAILS



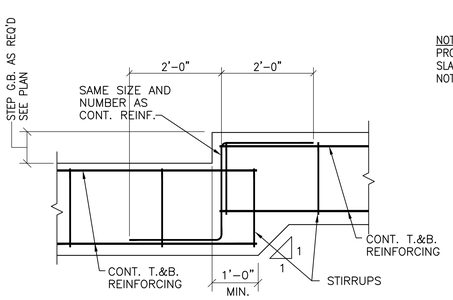
TYPICAL EXTERIOR MECHANICAL PAD



TYPICAL MECHANICAL HOUSEKEEPING PAD

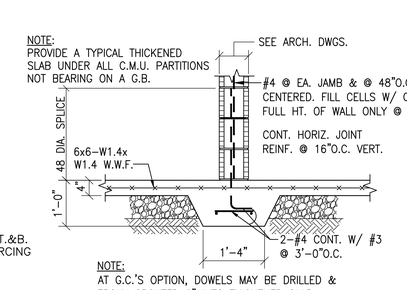


TYPICAL FOOTING STEP DETAIL



TYPICAL GRADE BEAM STEP DETAIL

NOTE:
PROVIDE A TYPICAL THICKENED SLAB UNDER ALL C.M.U. PARTITIONS NOT BEARING ON A G.B.



NOTE:
AT G.C.'S OPTION, DOWELS MAY BE DRILLED & EPOXY GROUTED 6" INTO THICKENED SLAB

TYPICAL THICKENED SLAB DETAIL

LATHAN ▪ McKEE ARCHITECTS

Cafeteria Addition at Crossville High School for Dekalb County Board Of Education

SHEET TITLE: TYPICAL DETAILS

ALABAMA REGISTERED NO. 22214 PROFESSIONAL ENGINEER RICHARD MARK OLDHAM
6-30-26

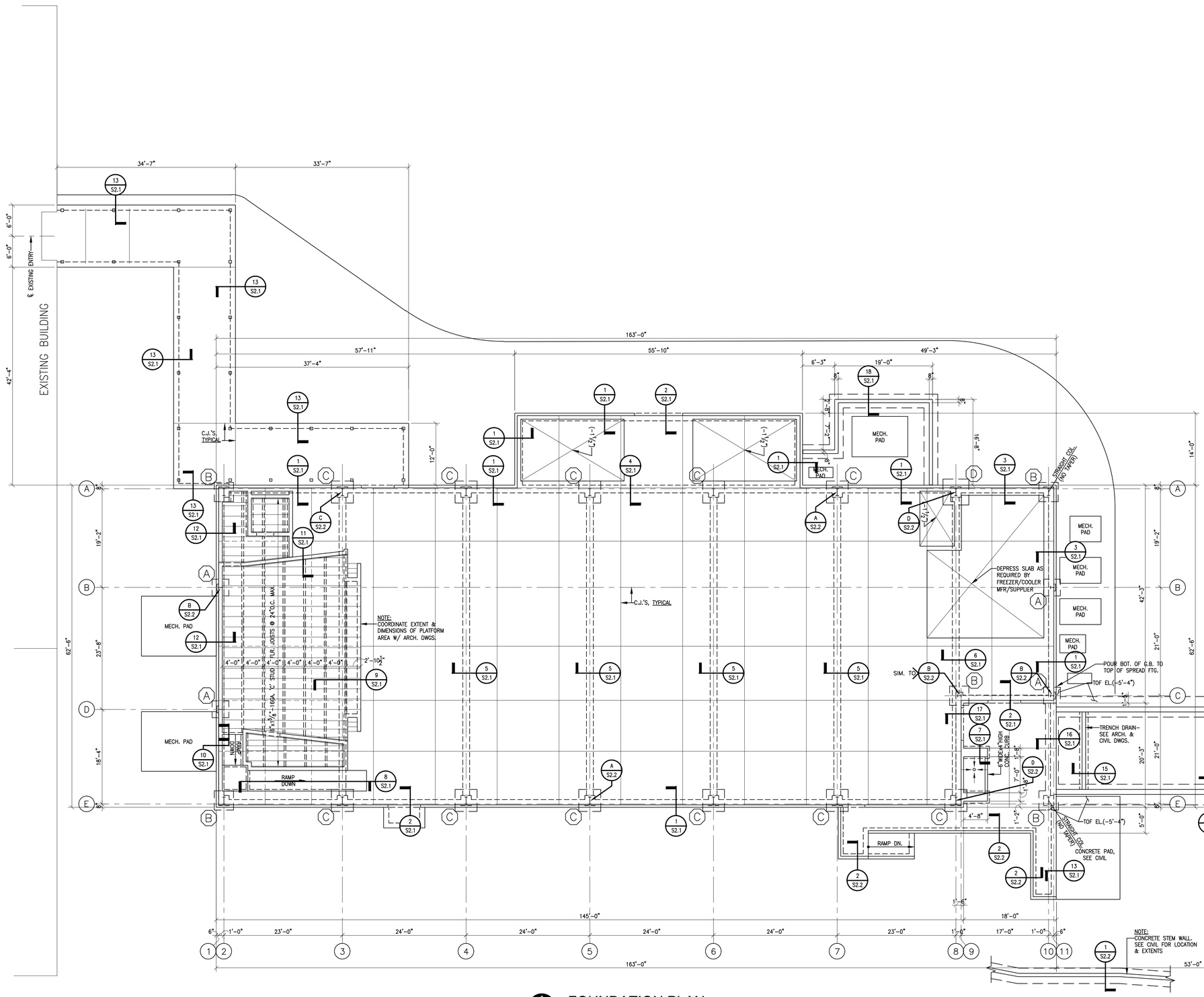
PROJ. MGR.:	RMO
DRAWN:	RAS
DATE:	06/30/26
REVISIONS	

JOB NO. MKA-26-032-00

SHEET NO: S0.2

0 1" 2"

- Monday, June 29, 2026 8:21:40 AM



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

PLATFORM CONSTRUCTION
3" THICK CONCRETE SLAB W/ 6x6–W1.4xW1.4 W.W.F. OVER $\frac{9}{16}$"–28 GAGE, GALVANIZED CORRUGATED, STEEL FORM DECK W/ THE FOLLOWING MINIMUM SECTION PROPERTIES PER FOOT OF WIDTH:
S=0.035 IN.^{3} I=0.012 IN.^{4}

FLOOR CONSTRUCTION
4" THICK CONCRETE SLAB W/ 6x6–W1.4xW1.4 W.W.F. OVER VAPOR BARRIER OVER 6" POROUS FILL.
FINISH FLR. ELEV. = 0'–0" (ASSUMED)

NOTE: UNLESS NOTED OTHERWISE, TOP OF COLUMN FOOTING EL. = (–2'–8") BELOW FINISH FLOOR

NOTE: PROVIDE M.C.J.'S @ 25'–4" MAXIMUM SPACING. SEE MASONRY GENERAL NOTE "6" ON SHT. S0.1 & TYPICAL MASONRY CONTROL JOINT DETAIL ON SHEET S0.1. COORDINATE EXACT LOCATIONS W/ ARCH.

NOTE: PROVIDE A TYPICAL THICKENED SLAB UNDER ALL C.M.U. PARTITIONS NOT BEARING ON A FOOTING. SEE SHEET S0.1 FOR TYPICAL DETAIL.

LATHAN ▪McKEE ARCHITECTS

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE: FOUNDATION PLAN

ALABAMA REGISTERED NO. 22214 PROFESSIONAL ENGINEER RICHARD MARK OLIVER
6-30-26

PROJ. MGR.:	RMO
DRAWN:	RAS
DATE:	06/30/26
REVISIONS	

JOB NO. MKA-26-032-00
SHEET NO: S1.1

0 1" 2"

- S:\Lathan Mckee\Crossville HS Cafeteria Addn\S-Crossville HS Cafeteria addn - PLANS.dwg
- Monday, June 29, 2026 8:21:41 AM

LATHAN ▪McKEE ARCHITECTS

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

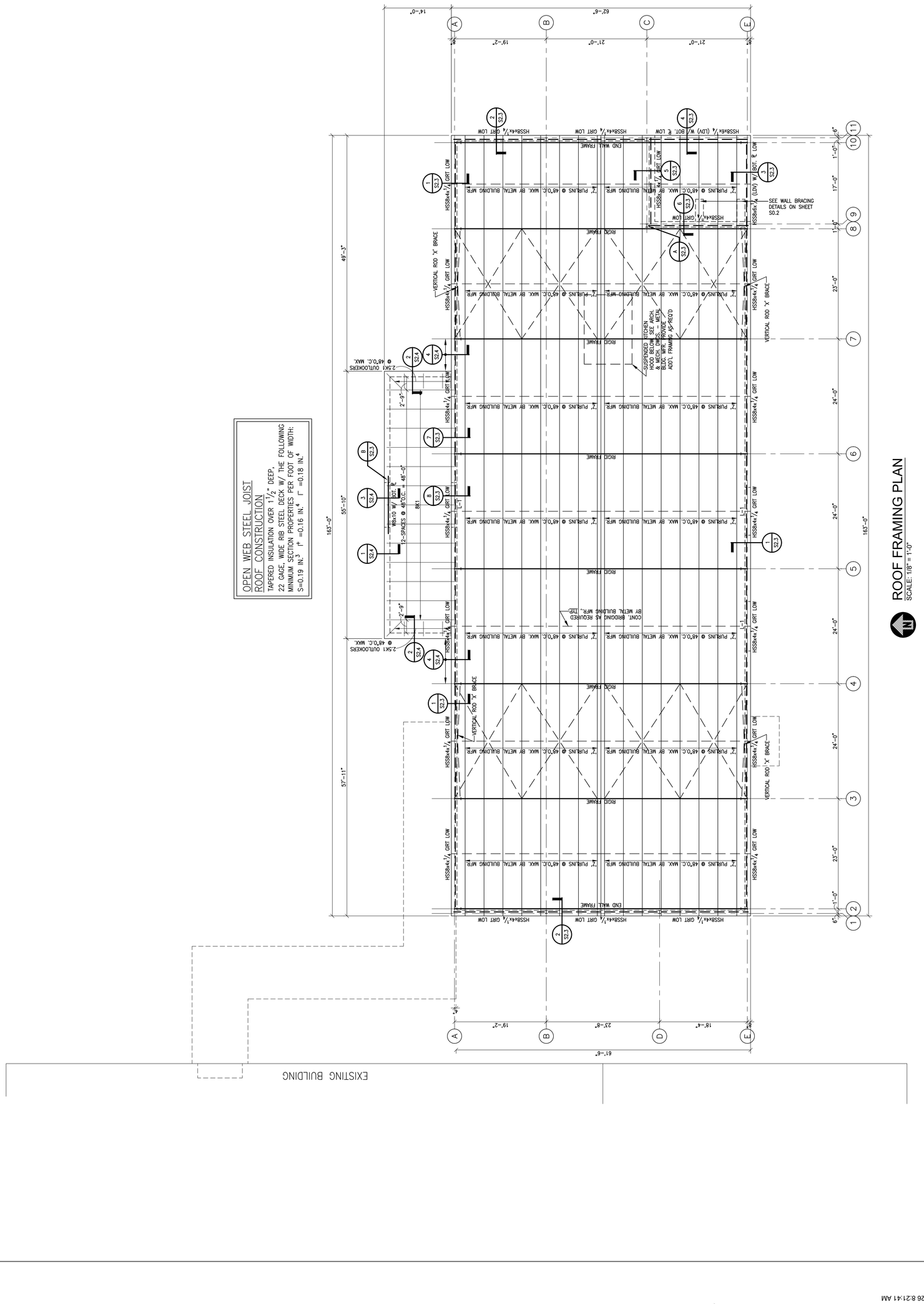
SHEET TITLE:
ROOF FRAMING PLAN

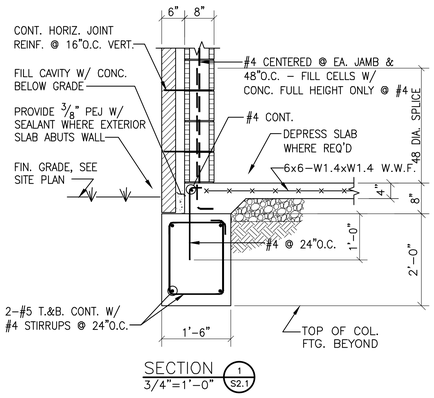
ALABAMA REGISTERED No. 22214 PROFESSIONAL ENGINEER MARIO K. MARINO 6-30-26

PROJ. MGR.:	RMO
DRAWN:	RAS
DATE:	06/30/26
REVISIONS	

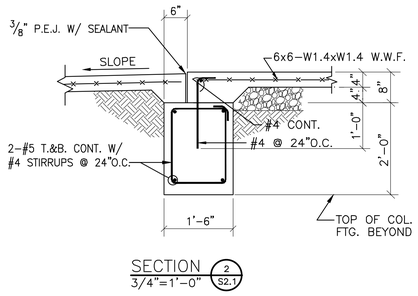
JOB NO. MKA-26-032-00
SHEET NO: S1.2

0 1" 2"





SECTION 1 S2.1
3/4"=1'-0"



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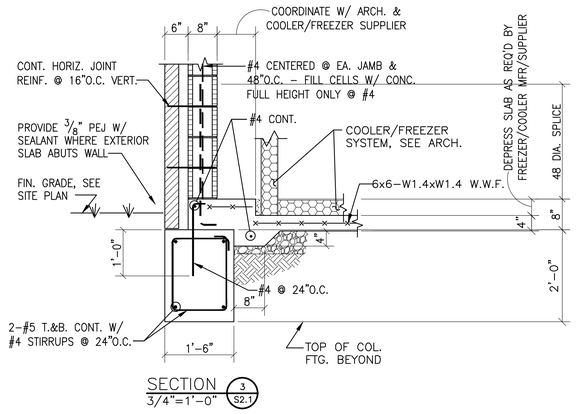

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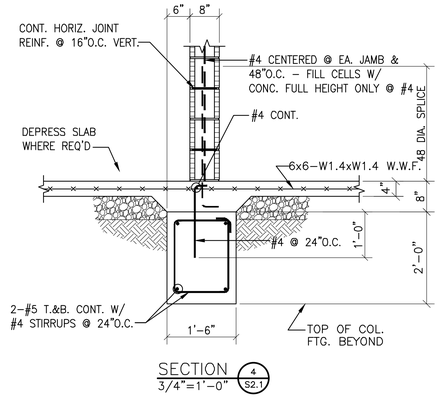

SECTION 4 S2.1
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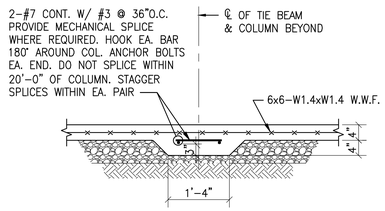

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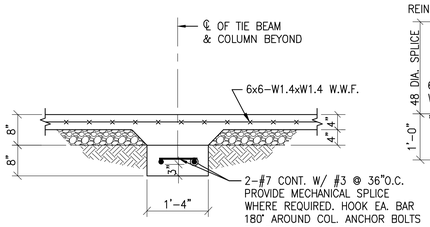

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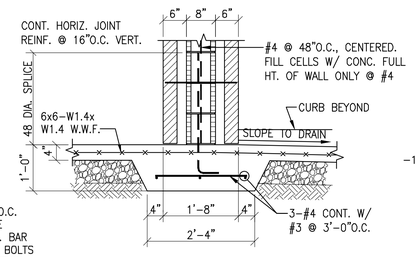

SECTION 7 S2.1
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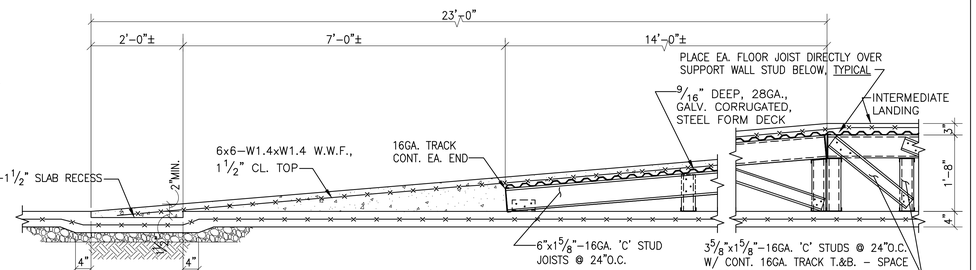

SECTION 8 S2.1
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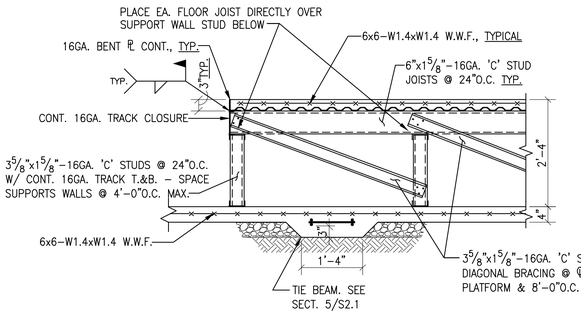

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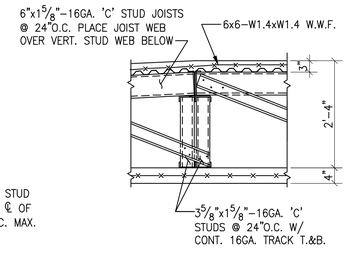

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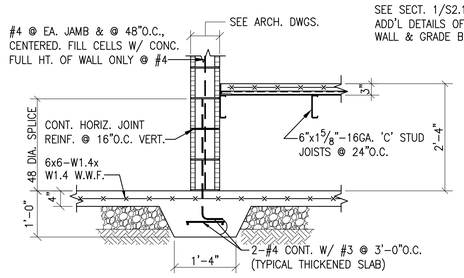

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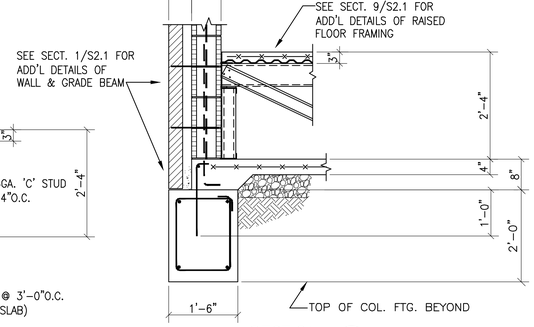

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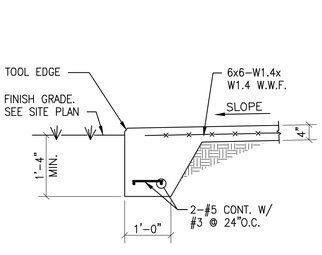
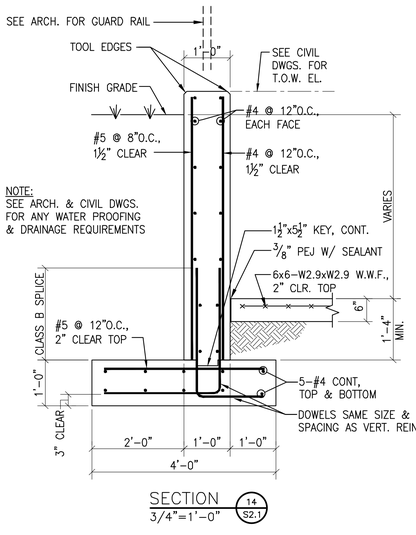


SECTION 13 S2.1
3/4"=1'-0"



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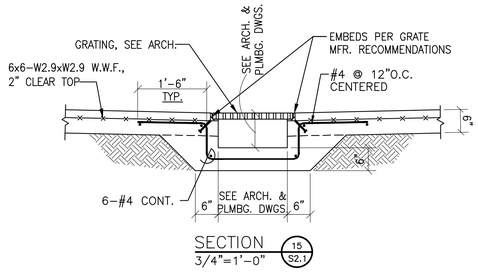
3/4"=1'-0"



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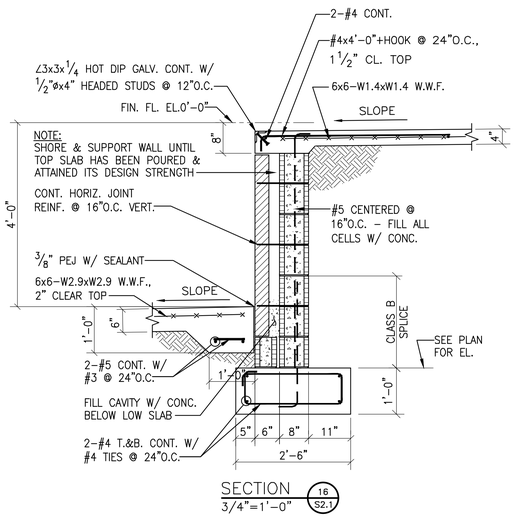

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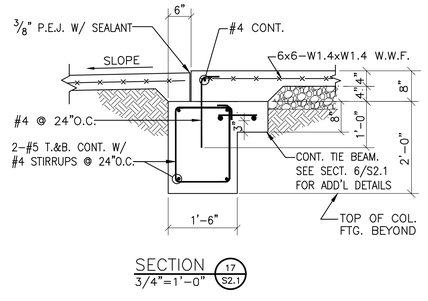

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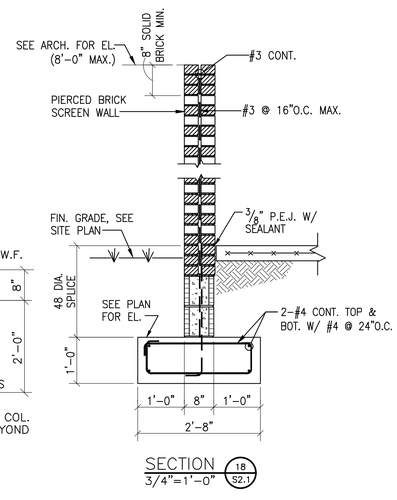
3/4"=1'-0"



SECTION 18 S2.1
3/4"=1'-0"

LATHAN ▪ McKEE ARCHITECTS

Cafeteria Addition at Crossville High School for Dekalb County Board Of Education

SHEET TITLE: SECTIONS AND DETAILS

ALABAMA REGISTERED NO. 22214 PROFESSIONAL ENGINEER RICHARD MARK LATHAN
6-30-26

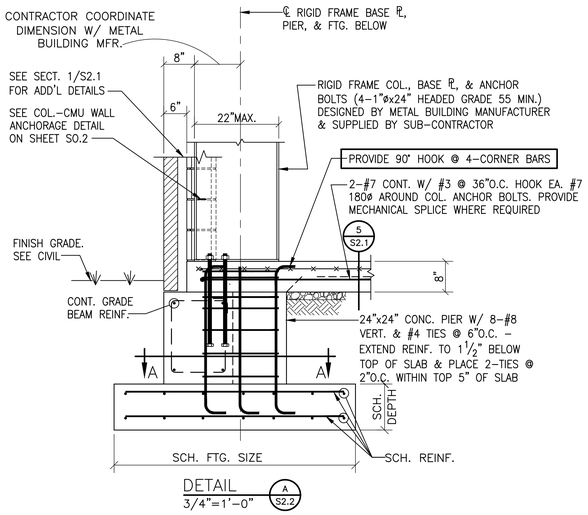
PROJ. MGR.:	RMO
DRAWN:	RAS
DATE:	06/30/26
REVISIONS	

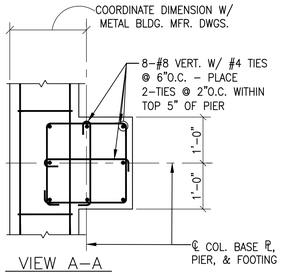
JOB NO. MKA-26-032-00

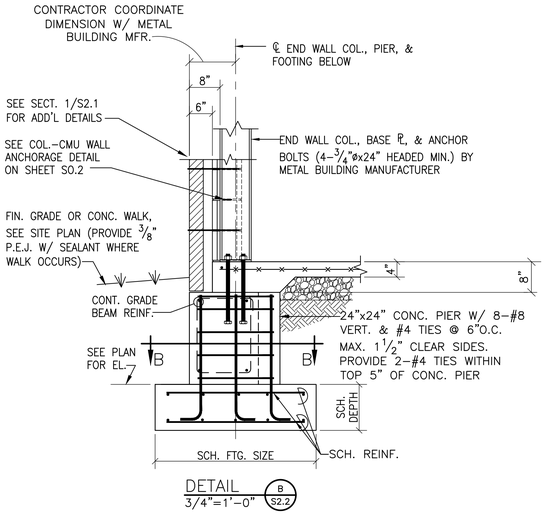
SHEET NO: S2.1

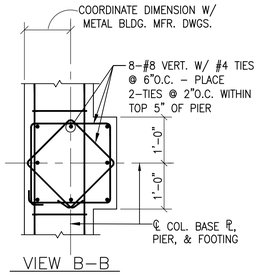
0 1" 2"

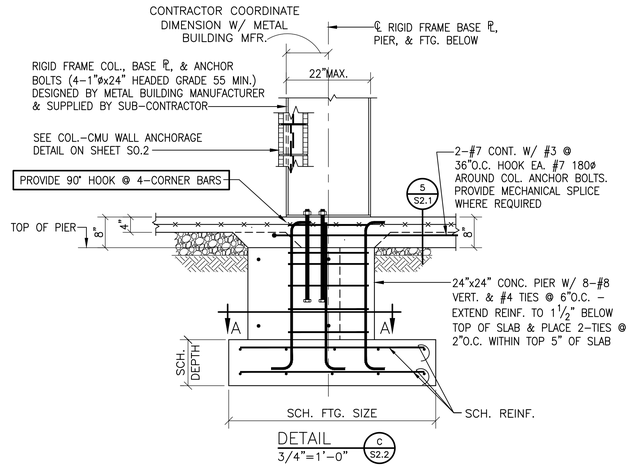
- Monday, June 29, 2026 8:21:42 AM

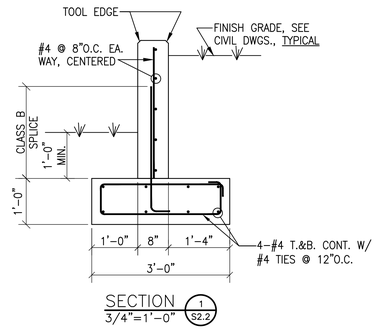


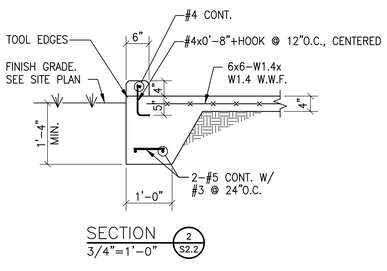


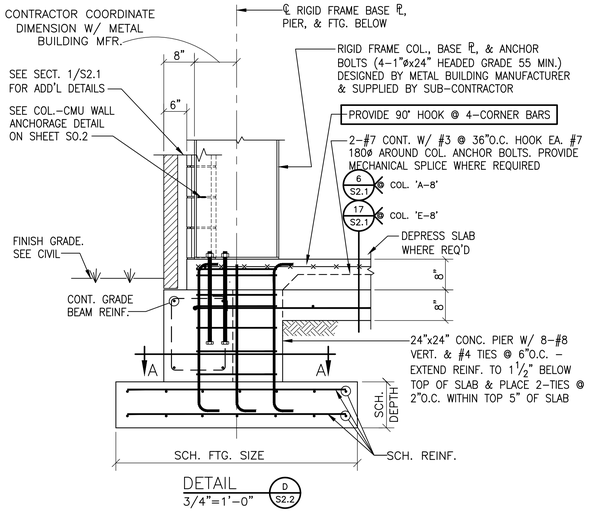


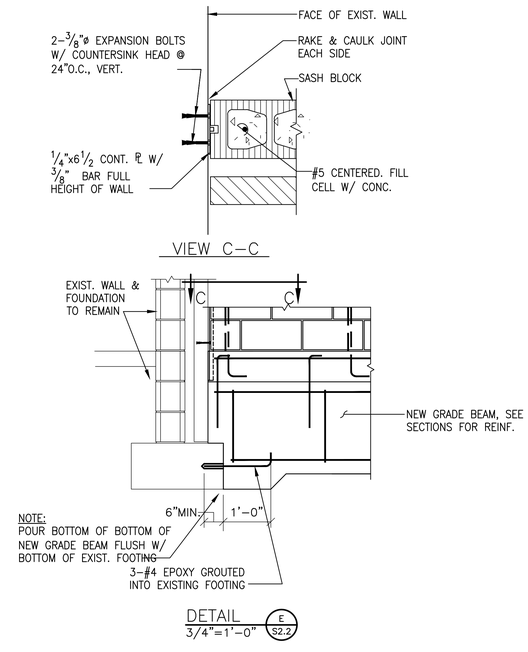












LATHAN ▪ McKEE ARCHITECTS

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE:
SECTIONS AND DETAILS

ALABAMA REGISTERED NO. 22214 PROFESSIONAL ENGINEER RICHARD MARK SINECKY
6-30-26

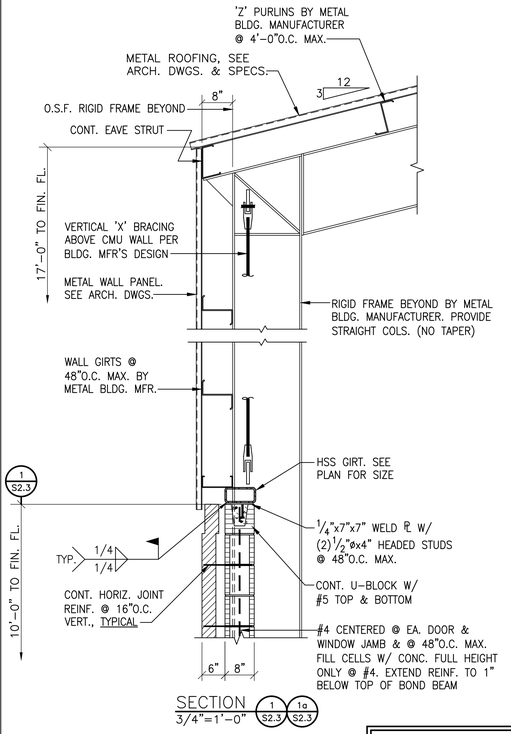
PROJ. MGR.:	RMO
DRAWN:	RAS
DATE:	06/30/26
REVISIONS	

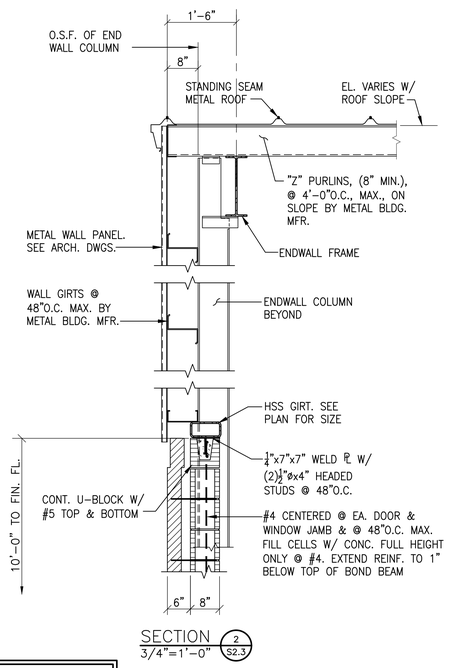
JOB NO.
MKA-26-032-00

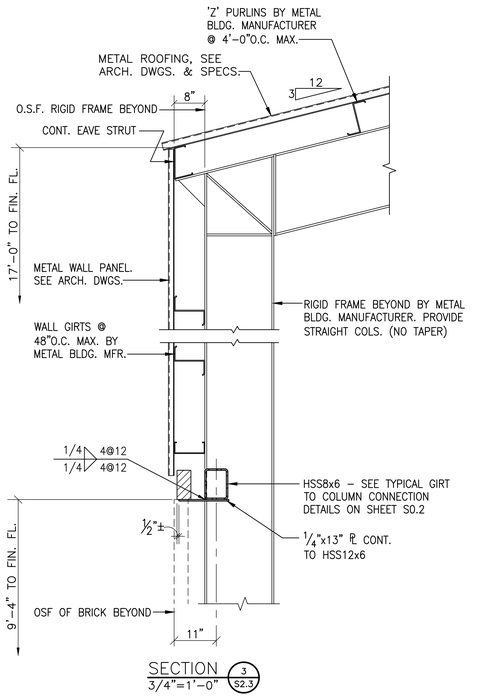
SHEET NO:
S2.2

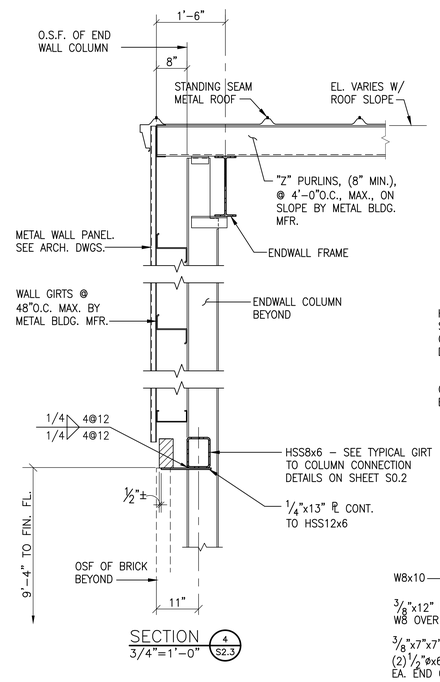
0 1" 2"

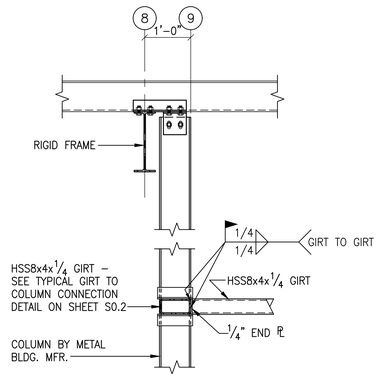
- Monday, June 29, 2026 8:21:42 AM

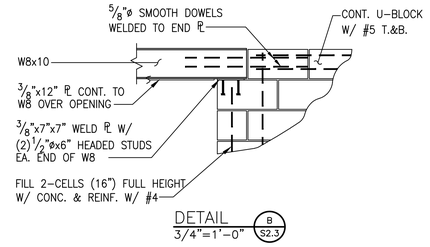




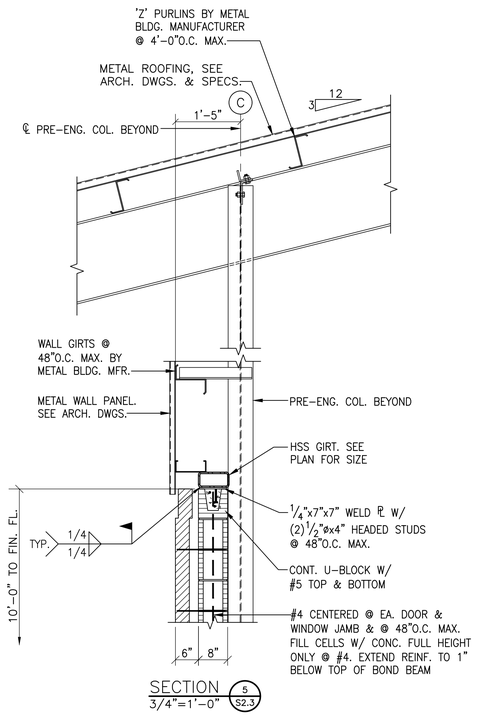


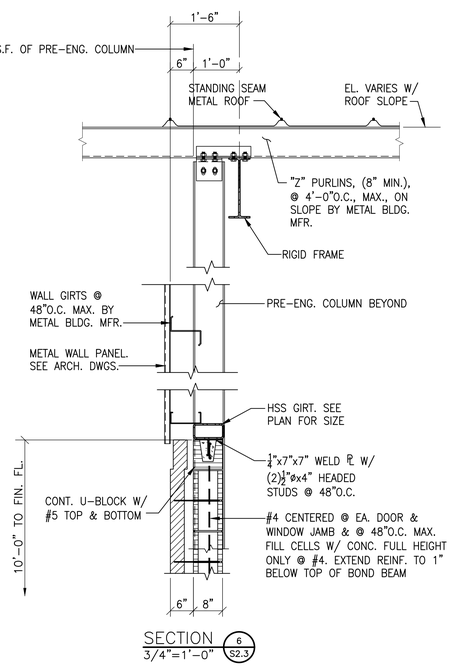


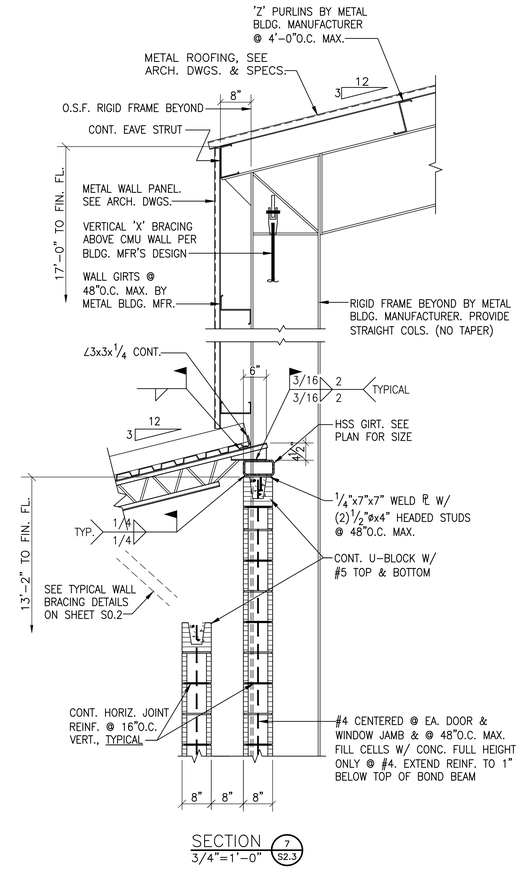


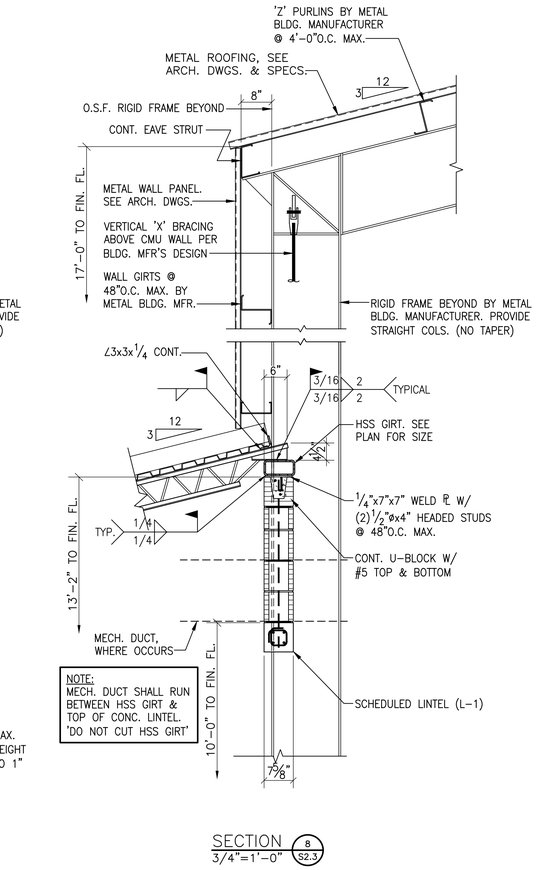


NOTE:
WHERE REQUIRED, ELECTRICAL CONDUIT MAY PENETRATE HSS GIRT BY DRILLING SINGLE HOLE (1"ø MAX.) THRU TOP & BOT. FACE OF GIRT NEAR CENTER OF WALL. DO NOT CUT SIDES OF GIRT.









LATHAN ▪ McKEE ARCHITECTS

Cafeteria Addition at Crossville High School for Dekalb County Board Of Education

SHEET TITLE: SECTIONS AND DETAILS

ALABAMA REGISTERED NO. 22214 PROFESSIONAL ENGINEER RICHARD MARK OLIVER
6-30-26

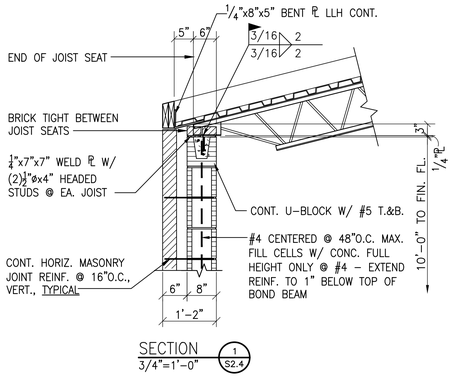
PROJ. MGR.:	RMO
DRAWN:	RAS
DATE:	06/30/26
REVISIONS	

JOB NO. MKA-26-032-00

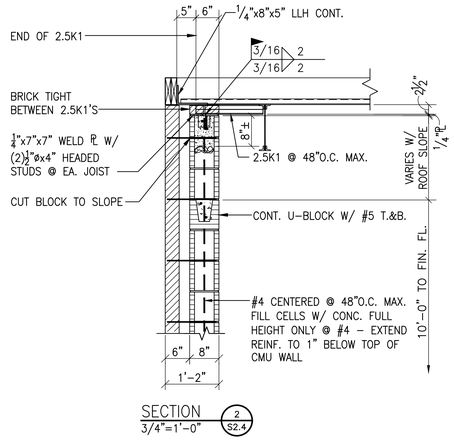
SHEET NO: S2.3

0 1" 2"

- Monday, June 29, 2026 8:21:43 AM



SECTION 1 S2.4
3/4"=1'-0"



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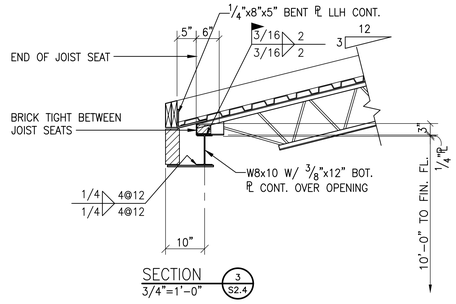

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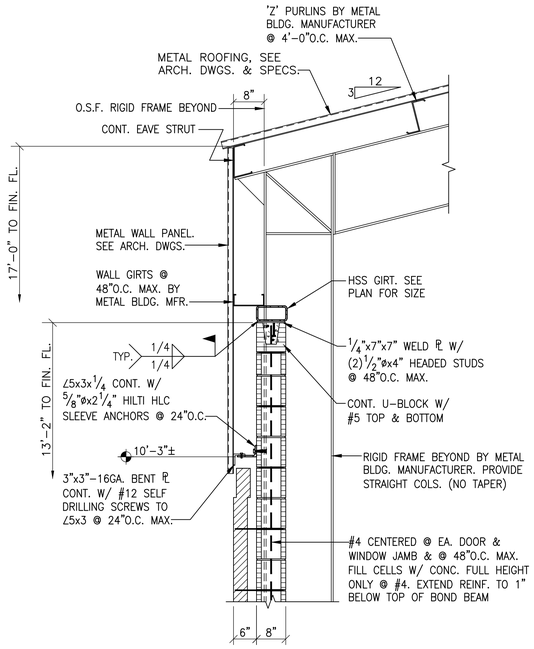


SECTION 4 S2.4
3/4"=1'-0"

LATHAN ▪ McKEE ARCHITECTS

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE:
SECTIONS AND DETAILS

ALABAMA REGISTERED PROFESSIONAL ENGINEER RICHARD MARK OLSEN NO. 22214
6-30-26

PROJ. MGR.:	RMO
DRAWN:	RAS
DATE:	06/30/26
REVISIONS	

JOB NO.
MKA-26-032-00
SHEET NO:
S2.4

0 1" 2"

- Monday, June 29, 2026 8:21:43 AM

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

FLOOR PLAN LEGEND	
SYMBOL	DESCRIPTION
CEP	CONCRETE EQUIPMENT PAD
CU	CONDENSING UNIT (SEE MECHANICAL)
SW72	BRICK SCREEN WALL AND HEIGHT IN INCHES. SEE DETAILS ON THIS SHEET.
PU	PACKAGE UNIT (SEE MECHANICAL)
GEN	GENERATOR - BACKUP FOR FREEZER AND COOLER. NATURAL GAS

MECH YARD
SCREEN WALL SECTION
3 SCALE: 3/4" = 1'-0"

MECH YARD
SCREEN WALL ELEVATION
2 SCALE: 3/4" = 1'-0"

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

LATHAN ▪ McKEE ARCHITECTS

Cafeteria Addition at Crossville High School Dekalb County Board Of Education

SHEET TITLE: ARCHITECTURAL SITE PLAN

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

PROJ. MGR.: FGH
DRAWN: --
DATE: 06/30/26
REVISIONS

JOB NO. MKA-26-032-00
SHEET NO: A1.0

0 1" 2"

- Z:\2026\MKA-26-032-00 Crossville Cafeteria Dekalb County\Cad Drawings\Architectural\A1.X Series (Overall Architectural Plans).dwg
- Monday, July 6, 2026 3:58:14 PM

ROOM FINISH SCHEDULE

TYPICAL ACRONYMS
--- - NO WORK REQUIRED
GBP - GYPSUM BOARD - PAINT
MGBP - MOISTURE RESISTANT GYPSUM BOARD - PAINT
IGBP - IMPACT RESISTANT GYPSUM BOARD - PAINT
CMUP - CONCRETE MASONRY UNIT - PAINT
IMWP - INTERIOR METAL WALL PANELS

PLP - PLASTIC LAMINATE WALL PANELS
AWC - ACCOUSTICAL WALL COVERING
CT - CERAMIC TILE
PT - PORCELAIN TILE
PSC - POLISHED SEALED CONCRETE
TR - TERRAZZO
SC - SEALED CONCRETE

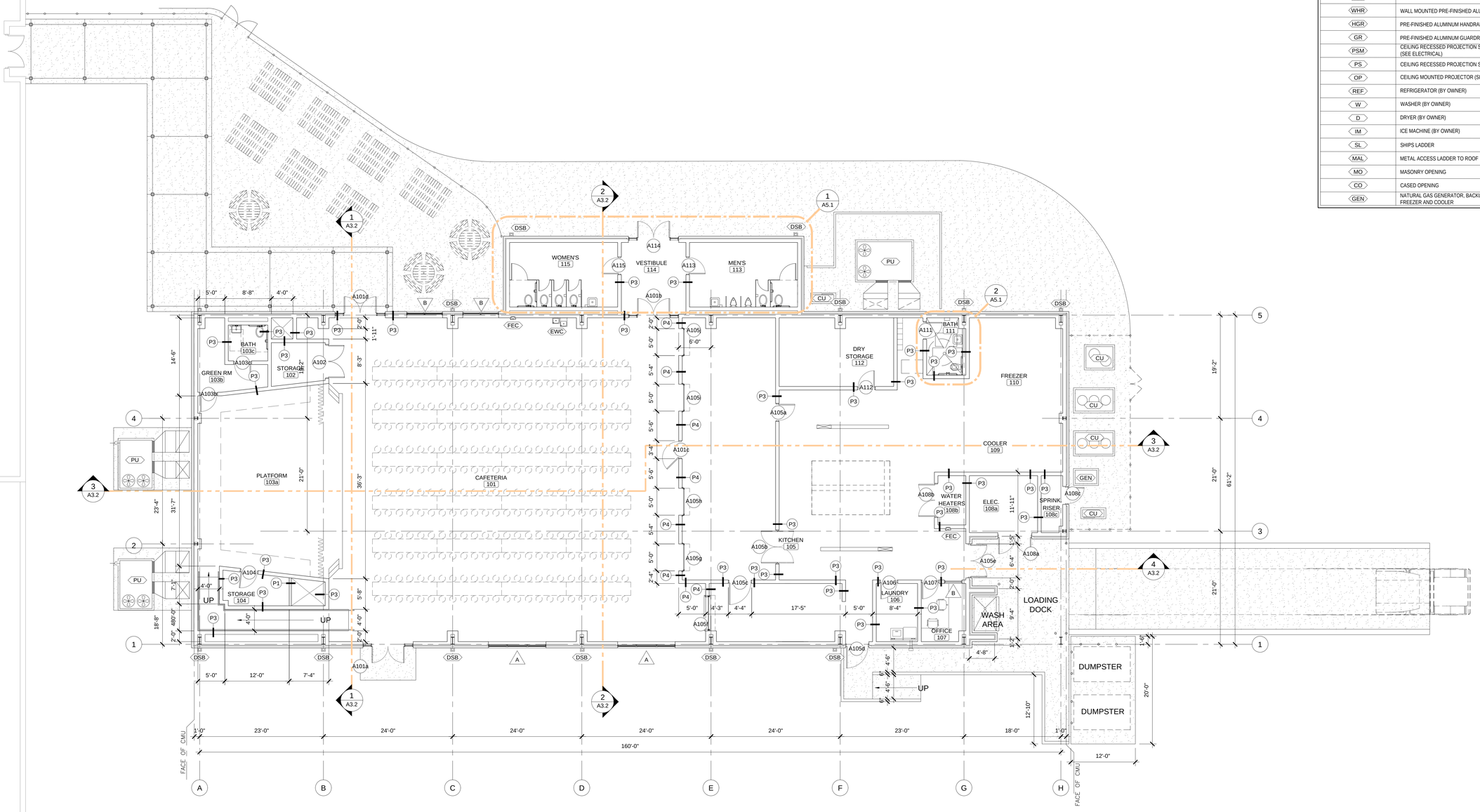
RFT - RUBBER FLOOR TILES
RSF - ROLL RUBBER SPORTS FLOORING
VCT - VINYL COMPOSITION TILE
WGF - WOOD GYMNASIUM FLOORING
CPT - CARPET
PF - POLYMER FLOORING
QT - QUARRY TILE

RB - RUBBER BASE
WB - WOOD BASE
VCB - VENTILATED COVE BASE
PPF - PAINTED PLYWOOD FLOORING
LVT - LUXURY VINYL TILE
EPX - EPOXY
RF - RESINOUS FLOORING

ROOM #	ROOM NAME	FLOOR	BASE	WALLS				CEILING		WAINS.	HEIGHT	REMARKS
				NORTH	SOUTH	EAST	WEST	TYPE	HEIGHT			
A101	CAFETERIA	LVT	RB	CMUP	CMUP	CMUP	CMUP	SEE RCP PLAN		---	---	---
A102	STORAGE	LVT	RB	CMUP	CMUP	CMUP	CMUP	SEE RCP PLAN		---	---	---
A103a	PLATFORM	LVT	RB	---	CMUP	CMUP	CMUP	SEE RCP PLAN		---	---	---
A103b	GREEN ROOM	LVT	RB	CMUP	CMUP	CMUP	CMUP	SEE RCP PLAN		---	---	---
A103c	BATH	RF	RB	CMUP	CMUP	PT / CMUP	CMUP	SEE RCP PLAN		PT	6'-0"	PT ON WET WALL ONLY
A104	STORAGE	LVT	RB	CMUP	CMUP	CMUP	CMUP	SEE RCP PLAN		---	---	---
A105	KITCHEN	RF	RB	CMUP	CMUP	CMUP	CMUP	SEE RCP PLAN		---	---	---
A106	LAUNDRY	RF	RB	CMUP	CMUP	CMUP	CMUP	SEE RCP PLAN		---	---	---
A107	OFFICE	LVT	RB	CMUP	CMUP	CMUP	CMUP	SEE RCP PLAN		---	---	---
A108a	ELECTRICAL ROOM	SC	RB	CMUP	CMUP	CMUP	CMUP	SEE RCP PLAN		---	---	---
A108b	WATER HEATERS	SC	RB	CMUP	CMUP	CMUP	CMUP	SEE RCP PLAN		---	---	---
A108c	SPRINKLER ROOM	SC	RB	CMUP	CMUP	CMUP	CMUP	SEE RCP PLAN		---	---	---
A109	COOLER	SC	---	CMUP	---	---	CMUP	SEE RCP PLAN		---	---	---
A110	FREEZER	SC	---	CMUP	---	CMUP	---	SEE RCP PLAN		---	---	---
A111	BATH	RF	RB	PT / CMUP	CMUP	CMUP	CMUP	SEE RCP PLAN		PT	6'-0"	PT ON WET WALL ONLY
A112	DRY STORAGE	RF	RB	CMUP	CMUP	CMUP	CMUP	SEE RCP PLAN		---	---	---
A113	MEN'S	RF	RB	CMUP	CMUP	PT / CMUP	CMUP	SEE RCP PLAN		PT	6'-0"	PT ON WET WALL ONLY
A114	VESTIBULE	LVT	RB	CMUP	CMUP	CMUP	CMUP	SEE RCP PLAN		---	---	---
A115	WOMEN'S	RF	RB	CMUP	CMUP	PT / CMUP	CMUP	SEE RCP PLAN		PT	6'-0"	PT ON WET WALL ONLY

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 A9.1)
FEC	FIRE EXTINGUISHER CABINET (SEE DETAIL A9.1)
DSB	PREFINISHED METAL DOWNSPOUT TO BOOT
PU	PACKAGE AIR CONDITIONING UNIT (SEE MECHANICAL)
CU	CONDENSING UNIT (SEE MECHANICAL)
AHU	AIR HANDLING UNIT (SEE MECHANICAL)
CEP	CONCRETE EQUIPMENT PAD (SEE DETAIL A9.1)
RA	RETURN AIR (SEE MECHANICAL)
WHR	WALL MOUNTED PRE-FINISHED ALUMINUM HANDRAIL
HGR	PRE-FINISHED ALUMINUM HANDRAIL / GUARDRAIL
GR	PRE-FINISHED ALUMINUM GUARDRAIL
PSM	CEILING RECESSED PROJECTION SCREEN - MOTORIZED (SEE ELECTRICAL)
PS	CEILING RECESSED PROJECTION SCREEN
OP	CEILING MOUNTED PROJECTOR (SEE ELECTRICAL)
REF	REFRIGERATOR (BY OWNER)
W	WASHER (BY OWNER)
D	DRYER (BY OWNER)
IM	ICE MACHINE (BY OWNER)
SL	SHIPS LADDER
MAL	METAL ACCESS LADDER TO ROOF
MO	MASONRY OPENING
CO	CASED OPENING
GEN	NATURAL GAS GENERATOR, BACKUP POWER FOR THE FREEZER AND COOLER



TRUE NORTH

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

LATHAN McKEE ARCHITECTS

Cafeteria Addition
Crossville High School
Dekalb County Board Of Education

SHEET TITLE: FIRST FLOOR PLAN

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

PROJ. MGR.: FGH
DRAWN: FGH
DATE: 06/30/26
REVISIONS

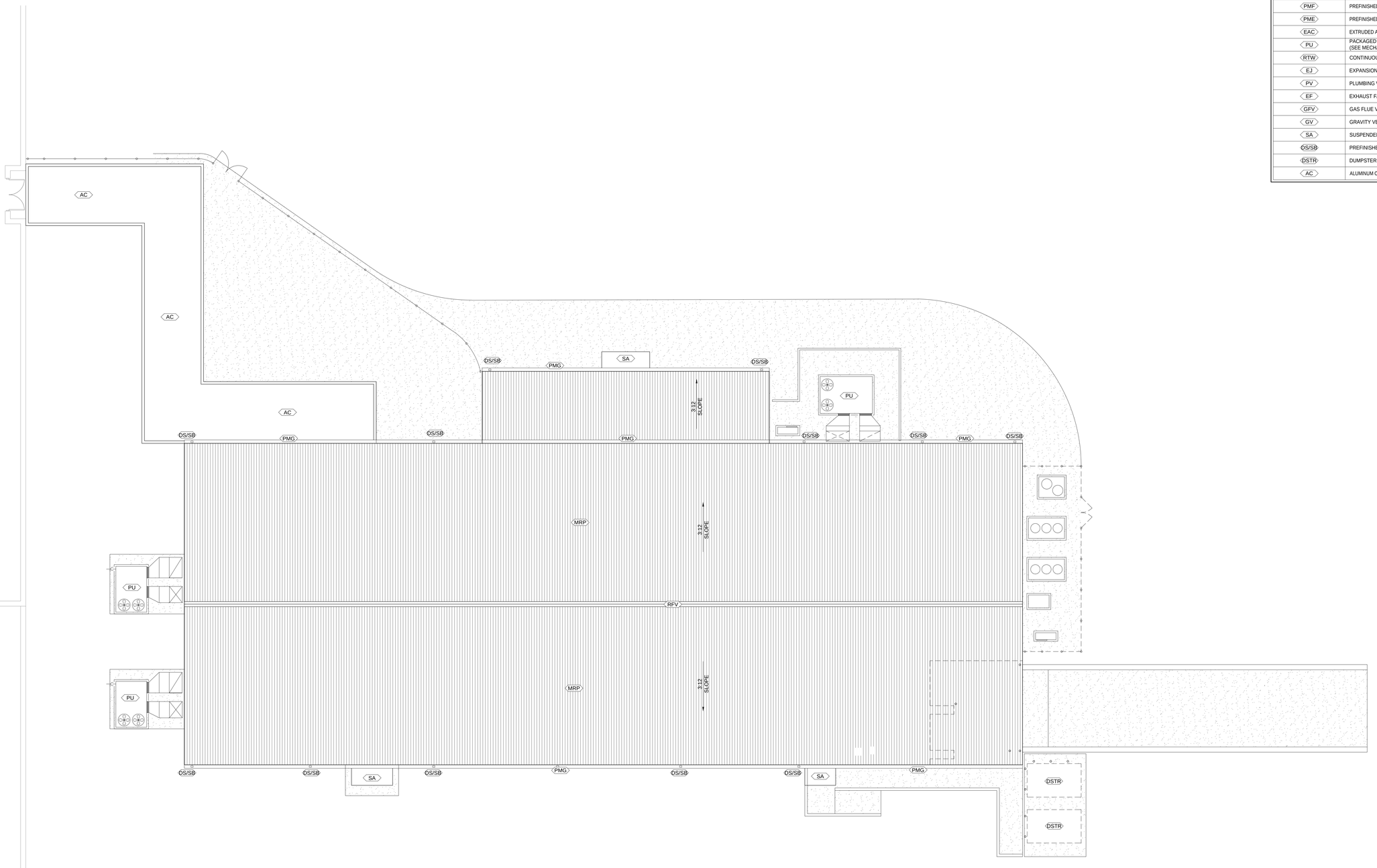
JOB NO. MKA-26-032-00
SHEET NO: A2.1

0 1" 2"

- Z:\2026\MKA-26-032-00 Crossville Cafeteria Dekalb County\Cad Drawings\Architectural\A2.X Series (FP,Roof,Canopy,Schedules,Details).dwg
- Monday, July 6, 2026 3:58:57 PM

ROOF PLAN LEGEND

SYMBOL	DESCRIPTION
BUR	BUILT-UP ROOFING SYSTEM
MRP	METAL ROOF PANELS
X / A3.X	DETAIL SYMBOL
RFV	RIDGE FLASHING - VENTED
PMG	PREFINISHED METAL GUTTER
PMF	PREFINISHED METAL FASCIA
PME	PREFINISHED METAL EAVE TRIM
EAC	EXTRUDED ALUMINUM COPING
PU	PACKAGED AIR CONDITIONING UNIT (SEE MECHANICAL)
RTW	CONTINUOUS ROOF TO WALL FLASHING
EJ	EXPANSION JOINT
PV	PLUMBING VENT
EF	EXHAUST FAN
GFV	GAS FLUE VENT
GV	GRAVITY VENT
SA	SUSPENDED ALUMINUM AWNING
OS/SB	PREFINISHED METAL DOWNSPOUT & SPLASH BLOCK
DSTR	DUMPSTER
AC	ALUMINUM CANOPY



TRUE NORTH

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

LATHAN McKEE ARCHITECTS

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE: ROOF PLAN

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

PROJ. MGR.: FGH
DRAWN: FGH
DATE: 05/30/26
REVISIONS

JOB NO.
MKA-26-032-00
SHEET NO:
A2.2

0 1" 2"

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- Monday, July 6, 2026 3:59:27 PM

DOOR SCHEDULE

DOOR #	WIDTH	HEIGHT	THICKNESS	MATERIALS	DOOR TYPE	DOOR FINISH	FRAME TYPE	FRAME FINISH	LABEL	DETAILS HEAD	DETAILS JAMB	SIGNAGE	REMARKS
A101a	3'-0"	7'-0"	1 3/4"	ALUMINUM STOREFRONT	A	FACTORY	ASF1	FACTORY	---	3/A2.3	4/A2.3	CAFETERIA	---
A101b	3'-0"	7'-0"	1 3/4"	ALUMINUM STOREFRONT	A	FACTORY	ASF1	FACTORY	---	9/A2.3	10/A2.3	CAFETERIA	---
A101c	3'-0"	7'-0"	1 3/4"	HOLLOW METAL	C	FACTORY	HM1	PAINT	---	7/A2.3	8/A2.3	CAFETERIA	---
A101d	3'-0"	7'-0"	1 3/4"	ALUMINUM STOREFRONT	A	FACTORY	ASF1	FACTORY	---	3/A2.3	4/A2.3	CAFETERIA	---
A102	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	B	FACTORY	HM1	PAINT	---	5/A2.3	6/A2.3	STORAGE	---
A103b	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	B	FACTORY	HM1	PAINT	---	5/A2.3	6/A2.3	GREEN ROOM	---
A103c	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	B	FACTORY	HM1	PAINT	---	5/A2.3	6/A2.3	BATH	---
A104	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	B	FACTORY	HM1	PAINT	---	5/A2.3	6/A2.3	STORAGE	---
A105a	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	B	FACTORY	HM1	PAINT	---	5/A2.3	6/A2.3	KITCHEN	---
A105b	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	B	FACTORY	HM1	PAINT	---	5/A2.3	6/A2.3	KITCHEN	---
A105c	4'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	C	FACTORY	HM1	PAINT	---	5/A2.3	6/A2.3	KITCHEN	---
A105d	4'-0"	7'-0"	1 3/4"	HOLLOW METAL	C	PAINT	HM1	PAINT	---	7/A2.3	8/A2.3	KITCHEN	---
A105e	3'-0"	7'-0"	1 3/4"	HOLLOW METAL	B	PAINT	HM1	PAINT	---	7/A2.3	8/A2.3	KITCHEN	---
A105f	6'-7"	5'-2"	---	COILING SHUTTER	E	FACTORY	---	FACTORY	---	---	---	KITCHEN	---
A105g	5'-0"	8'-0"	---	COILING GRILLE	D	FACTORY	---	FACTORY	---	---	---	KITCHEN	---
A105h	5'-0"	8'-0"	---	COILING GRILLE	D	FACTORY	---	FACTORY	---	---	---	KITCHEN	---
A105i	5'-0"	8'-0"	---	COILING GRILLE	D	FACTORY	---	FACTORY	---	---	---	KITCHEN	---
A105j	5'-0"	8'-0"	---	COILING GRILLE	D	FACTORY	---	FACTORY	---	---	---	KITCHEN	---
A106	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	B	FACTORY	HM1	PAINT	---	5/A2.3	6/A2.3	LAUNDRY	---
A107	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	B	FACTORY	HM1	PAINT	---	5/A2.3	6/A2.3	OFFICE	---
A108a	3'-0"	7'-0"	1 3/4"	HOLLOW METAL	B	PAINT	HM1	PAINT	---	7/A2.3	8/A2.3	ELECTRICAL ROOM	---
A108b	3'-0"	7'-0"	1 3/4"	HOLLOW METAL	B	PAINT	HM1	PAINT	---	5/A2.3	6/A2.3	WATER HEATERS	---
A108c	3'-0"	7'-0"	1 3/4"	HOLLOW METAL	B	PAINT	HM1	PAINT	---	7/A2.3	8/A2.3	SPRINKLER ROOM	---
A111	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	B	FACTORY	HM1	PAINT	---	5/A2.3	6/A2.3	BATH	---
A112	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	B	FACTORY	HM1	PAINT	---	5/A2.3	6/A2.3	DRY STORAGE	---
A113	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	B	FACTORY	HM1	PAINT	---	5/A2.3	6/A2.3	MEN'S	---
A114	3'-0"	7'-0"	1 3/4"	ALUMINUM STOREFRONT	A	FACTORY	ASF1	FACTORY	---	3/A2.3	4/A2.3	VESTIBULE	---
A115	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	B	FACTORY	HM1	PAINT	---	5/A2.3	6/A2.3	WOMEN'S	---

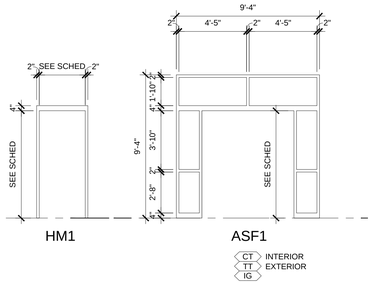
SIGN MOUNTING HEIGHT

703.4.1 HEIGHT ABOVE FINISH FLOOR OR 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 3/8 INCHES (4.8 mm) MINIMUM AND SHALL BE LOCATED EITHER DIRECTLY BELOW OR ADJACENT TO THE CORRESPONDING RAISED CHARACTERS OR SYMBOLS.

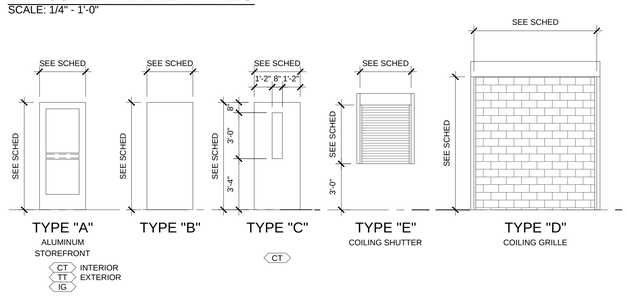
703.4.2 LOCATION
WHERE A TACTILE SIGN IS PROVIDED AT A DOOR, THE SIGN SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO 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.



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



TYPICAL DOOR TYPES
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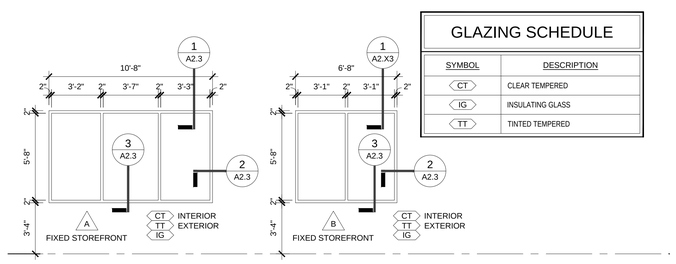


TYPICAL WINDOW TYPES
SCALE: 1/4" - 1'-0"

GLAZING SCHEDULE	
SYMBOL	DESCRIPTION
CT	CLEAR TEMPERED
IG	INSULATING GLASS
TT	TINTED TEMPERED

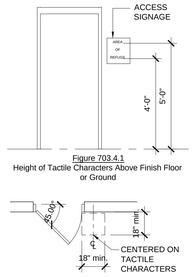
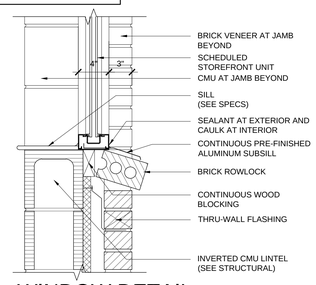
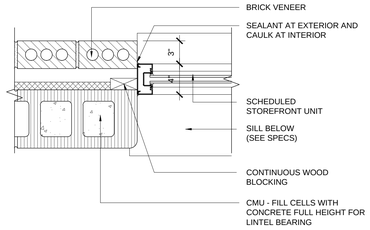


Figure 703.4.1
Height of Tactile Characters Above Finish Floor or Ground

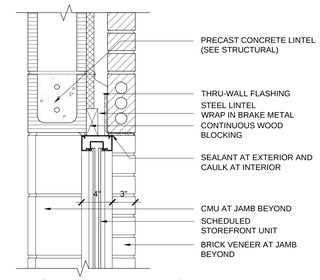
Figure 703.4.2
Location of Tactile Signs at Doors



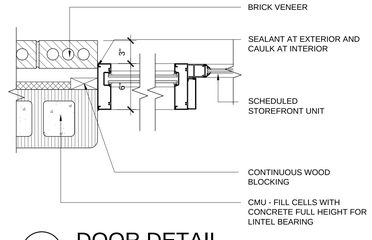
3 WINDOW DETAIL
SCALE: 1 1/2"=1'-0"
SILL



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

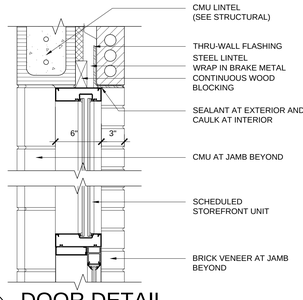


1 WINDOW DETAIL
SCALE: 1 1/2"=1'-0"
HEAD

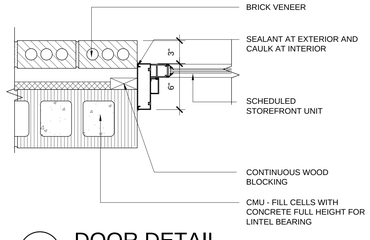


5 DOOR DETAIL
SCALE: 1 1/2"=1'-0"
HEAD

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



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



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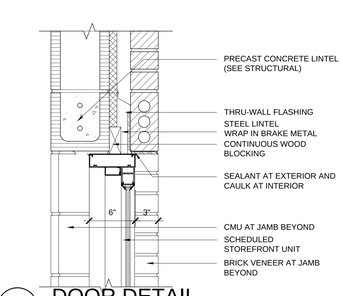
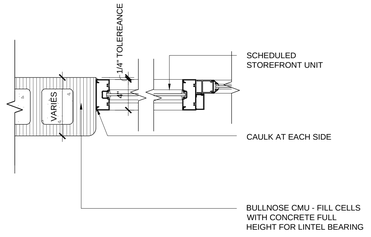
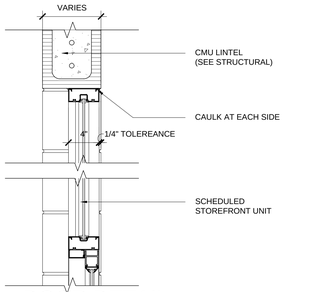


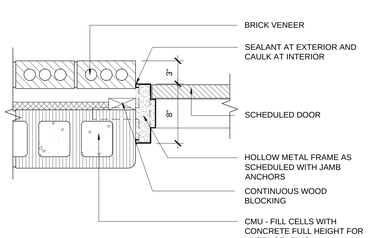
1 DOOR DETAIL
SCALE: 1 1/2"=1'-0"
HEAD



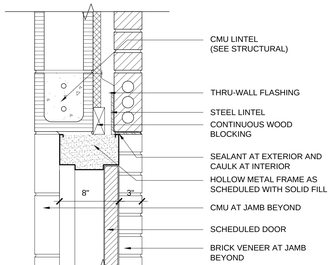
10 DOOR DETAIL
SCALE: 1 1/2"=1'-0"
JAMB



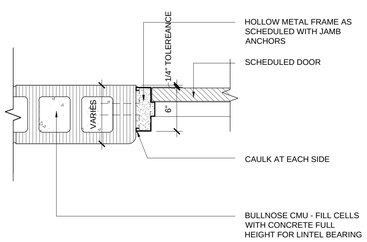
9 DOOR DETAIL
SCALE: 1 1/2"=1'-0"
HEAD



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



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



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

LATHAN McKEE ARCHITECTS

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE: DOOR SCHEDULE / DETAILS / TYPES

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

PROJ. MGR.: FGH
DRAWN: TB
DATE: 06/30/26
REVISIONS

JOB NO.
MKA-26-032-00
SHEET NO:
A2.3

0 1" 2"

- Z:\2026\MKA-26-032-00 Crossville Cafeteria Dekalb County\Cad Drawings\Architectural\A2.X Series (FP,Roof,Canopy,Schedules,Details).dwg
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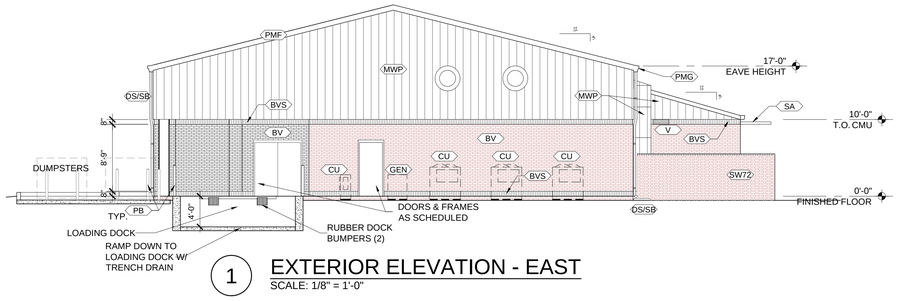

1 EXTERIOR ELEVATION - EAST

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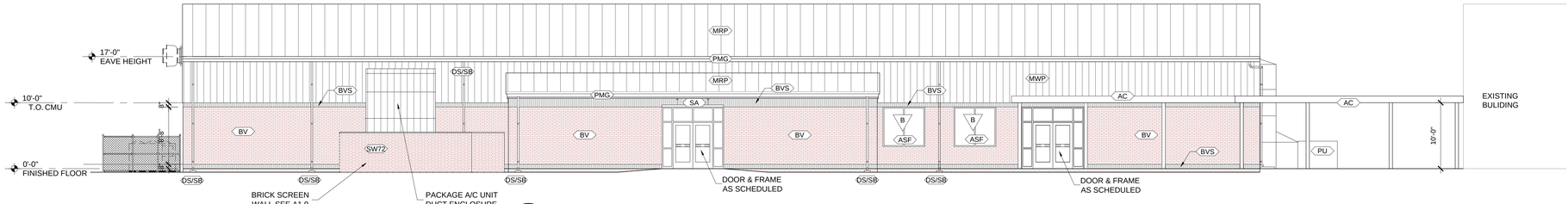

2 EXTERIOR ELEVATION - NORTH

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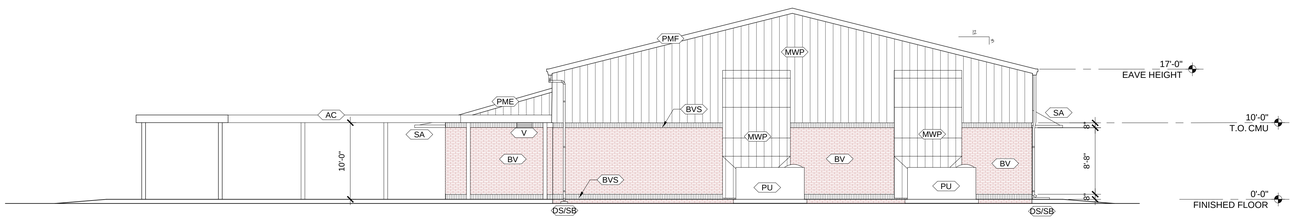
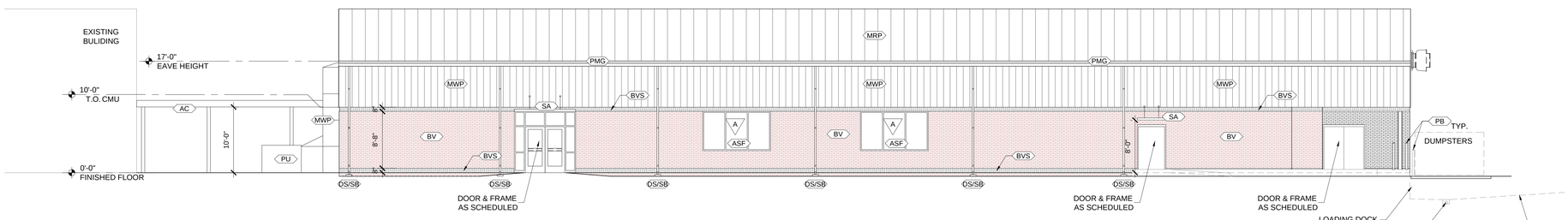


3 EXTERIOR ELEVATION - WEST

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



4 EXTERIOR ELEVATION - SOUTH

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

EXTERIOR ELEVATION LEGEND

SYMBOL	DESCRIPTION
- AX.X	BUILDING SECTION SYMBOL
L1	SCHEDULED LOUVER TYPES
DS	PREFINISHED METAL DOWNSPOUT
OS/SB	PREFINISHED METAL DOWNSPOUT TO SPLASHBLOCK
MCJ	MASONRY CONTROL JOINT LOCATIONS
WHR	WALL MOUNTED METAL HANDRAIL - PAINT
HGR	METAL HANDRAIL / GUARDRAIL - PAINT
GR	METAL GUARDRAIL - PAINT
MWP	METAL WALL PANELS
MRP	METAL ROOF PANELS
BV	BRICK VENEER
BVS	BRICK VENEER - SOLDIER COURSE
PB	PIPE BOLLARD (SEE DETAIL A9.1)
V	BRICK VENT (SEE MECHANICAL)
PMG	PREFINISHED METAL GUTTER
PMF	PREFINISHED METAL FASCIA
PME	PREFINISHED METAL EAVE TRIM
EAC	EXTRUDED ALUMINUM COPING
SA	SUSPENDED ALUMINUM AWNING
AC	ALUMINUM CANOPY
ASF	ALUMINUM STOREFRONT
CU	CONDENSING UNIT (SEE MECHANICAL)
SW72	BRICK SCREEN WALL AND HEIGHT IN INCHES. SEE DETAILS ON SHEET A1.0.
PU	PACKAGE UNIT (SEE MECHANICAL)
GEN	GENERATOR - BACKUP FOR FREEZER AND COOLER, NATURAL GAS
PB	PIPE BOLLARD

LATHAN McKEE ARCHITECTS

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE: EXTERIOR ELEVATIONS

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

PROJ. MGR.: FGH
DRAWN: TB
DATE: 06/30/26
REVISIONS

JOB NO. MKA-26-032-00
SHEET NO: A3.1

0 1" 2"

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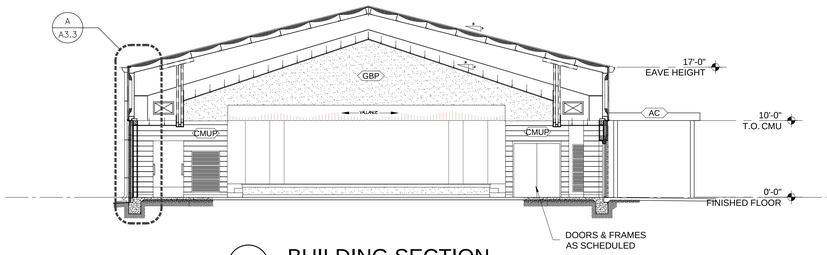
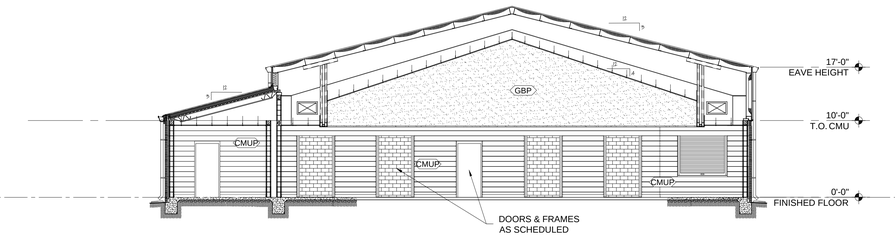


1 BUILDING SECTION
SCALE: 1/8" = 1'-0"



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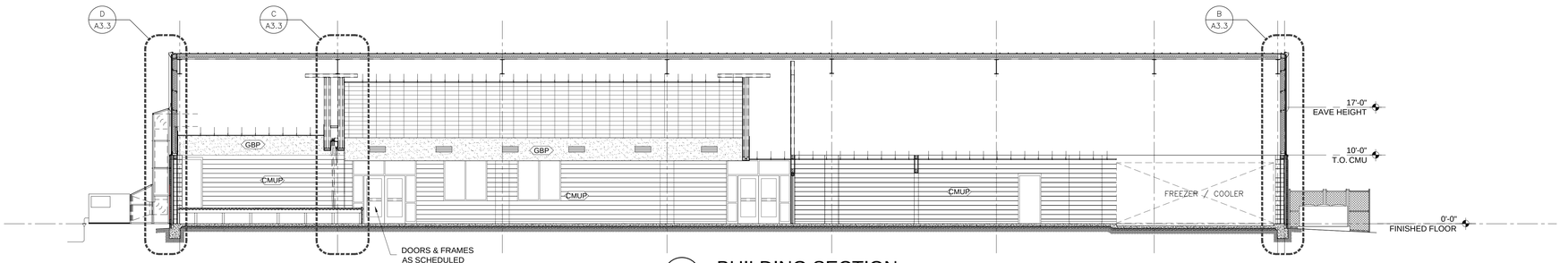

3 BUILDING SECTION
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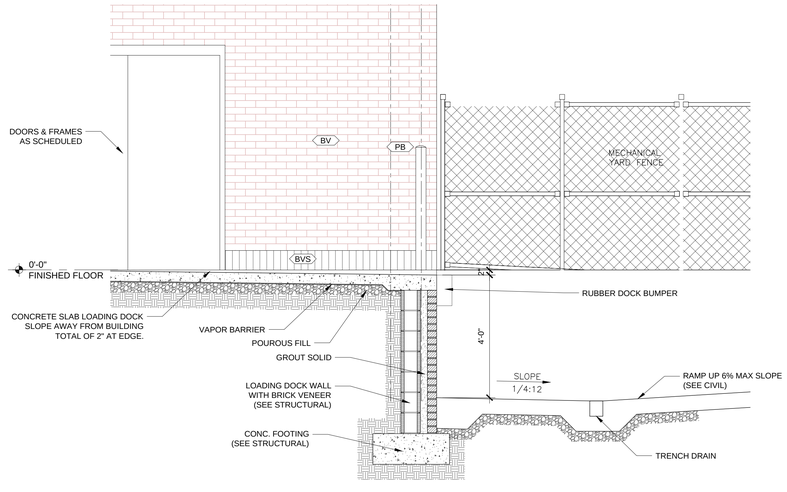

4 SECTION
SCALE: 1/2" = 1'-0"

BUILDING SECTION LEGEND

SYMBOL	DESCRIPTION
CMUP	CONCRETE MASONRY UNIT - PAINT
CMU	CONCRETE MASONRY UNIT - NO PAINT
MWP	METAL WALL PANELS
GBP	GYPSUM BOARD - PAINT
GB	GYPSUM BOARD - NO PAINT
MGBP	MOISTURE RESISTANT GYPSUM BOARD - PAINT
MGB	MOISTURE RESISTANT GYPSUM BOARD - NO PAINT
GR1	METAL GUARD RAIL - PAINT
HR1	METAL HAND RAIL - PAINT
MO	MASONRY OPENING
ESP	EXPOSED STRUCTURE - PAINT
AC	ALUMINUM CANOPY
ASF	ALUMINUM STOREFRONT
CU	CONDENSING UNIT (SEE MECHANICAL)
SW72	BRICK SCREEN WALL AND HEIGHT IN INCHES. SEE DETAILS ON SHEET A1.0.
PU	PACKAGE UNIT (SEE MECHANICAL)
GEN	GENERATOR - BACKUP FOR FREEZER AND COOLER NATURAL GAS
PB	PIPE BOLLARD
BV	BRICK VENEER
BVS	BRICK VENEER - SOLDIER COURSE

LATHAN
McKEE
ARCHITECTS

Cafeteria Addition
Crossville High School
Dekalb County Board Of Education

SHEET TITLE: BUILDING SECTIONS

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

PROJ. MGR.: FGH
DRAWN: FGH
DATE: 06/30/26
REVISIONS

JOB NO.
MKA-26-032-00
SHEET NO:
A3.2

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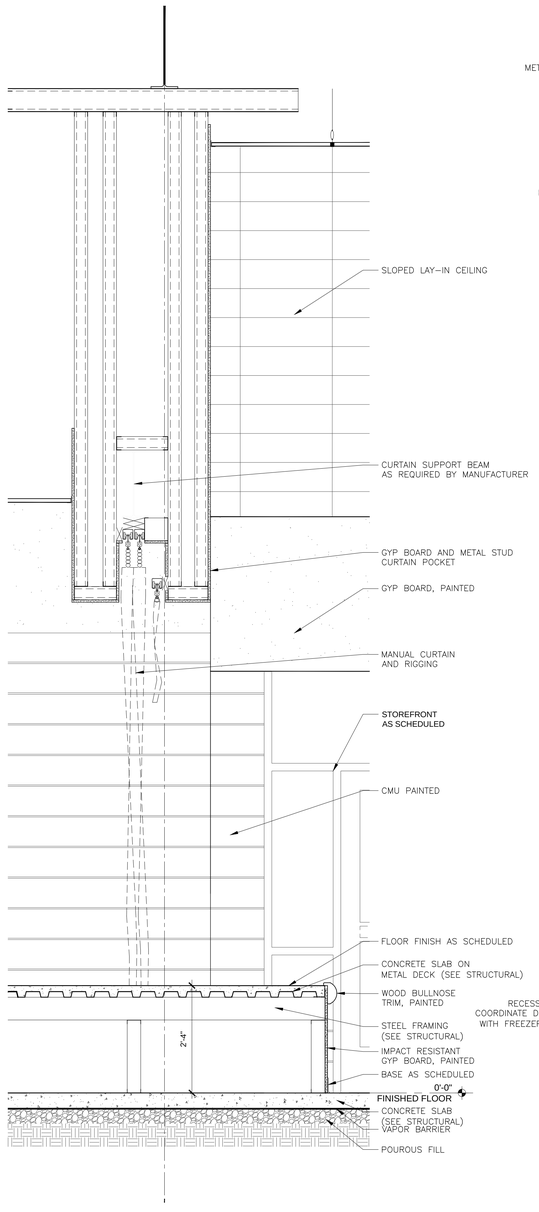
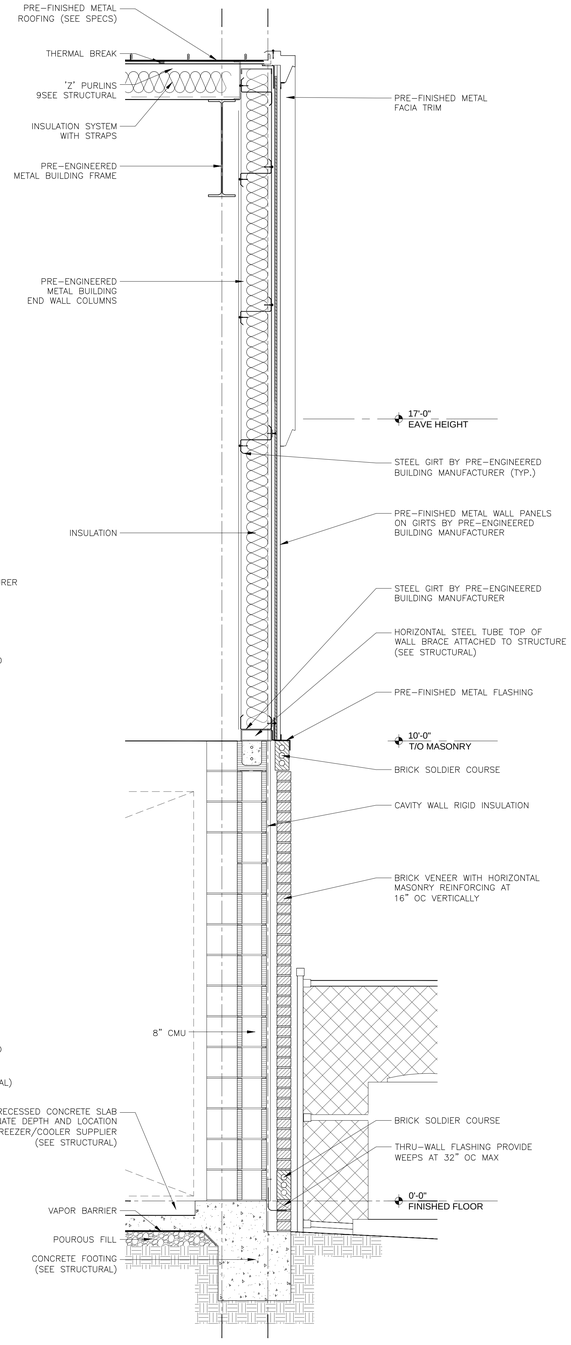
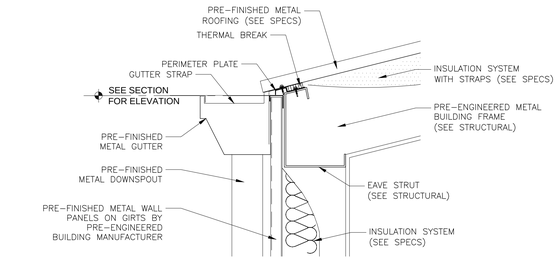


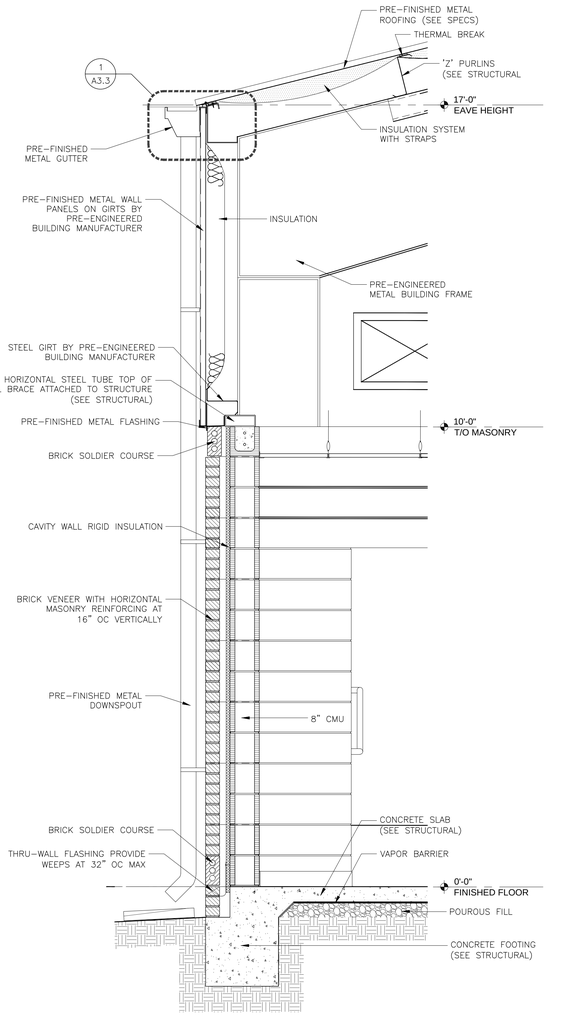
C WALL SECTION
SCALE: 3/4"=1'-0"



B WALL SECTION
SCALE: 3/4"=1'-0"



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



A WALL SECTION
SCALE: 3/4"=1'-0"

LATHAN McKEE ARCHITECTS

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE: WALL SECTIONS

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

PROJ. MGR.: FGH
DRAWN: -
DATE: 06/30/26
REVISIONS

JOB NO.
MKA-26-032-00
SHEET NO:
A3.3

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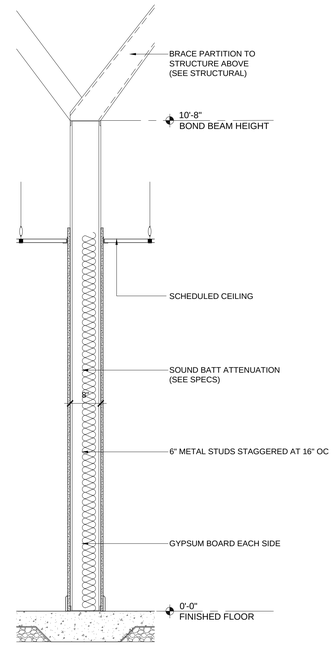
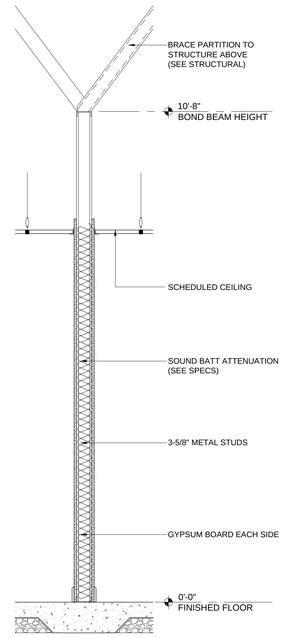


P2 PARTITION TYPES
SCALE: 3/4"=1'-0"



P1 PARTITION TYPES
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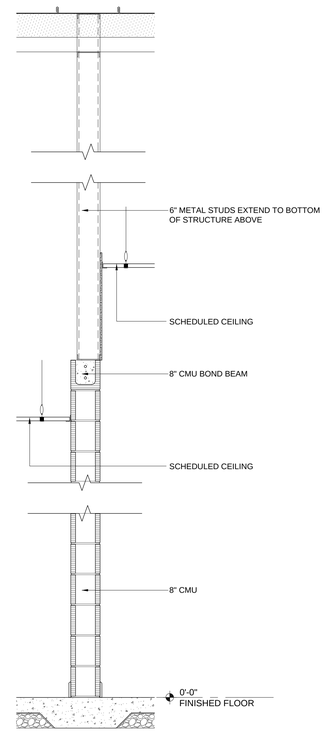
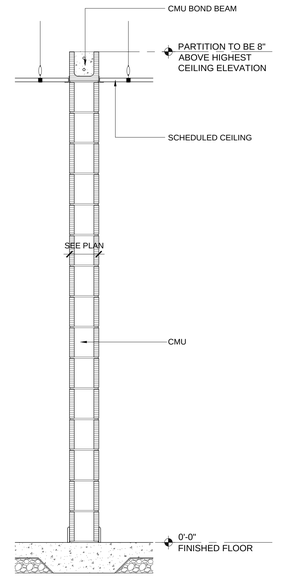


P4 PARTITION TYPES
SCALE: 3/4"=1'-0"



P3 PARTITION TYPES
SCALE: 3/4"=1'-0"

LATHAN McKEE ARCHITECTS

Cafeteria Addition
at
Crossville High School
Dekalb County Board Of Education

SHEET TITLE: PARTITION TYPES

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

PROJ. MGR.: FGH
DRAWN: TB
DATE: 06/30/26
REVISIONS

JOB NO.
MKA-26-032-00
SHEET NO:
A3.4

0 1" 2"

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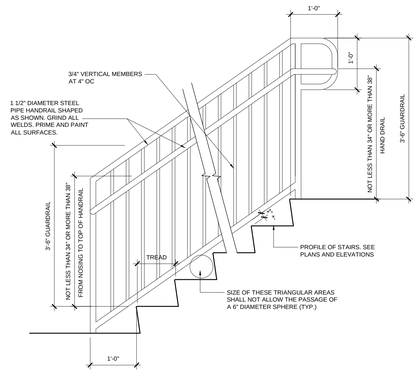
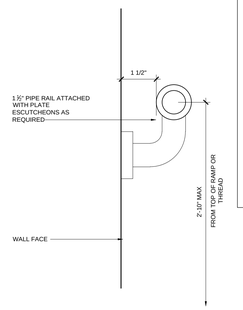


METAL GUARDRAIL / HANDRAIL AT STAIR (GR/HR)

SCALE: 3/4" - 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 W/ THE AMERICAN WITH DISABILITIES ACT AND THE INTERNATIONAL BUILDING CODE.

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

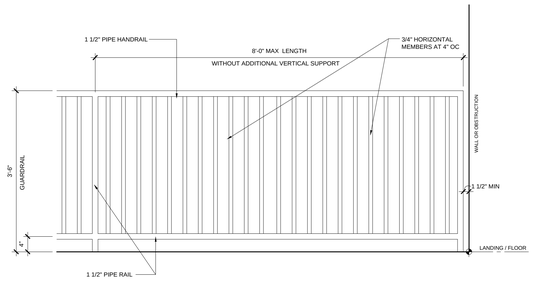
3) PRIME AND PAINT ALL EXPOSED STEEL OF METAL STAIRS AND RAILS.

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.

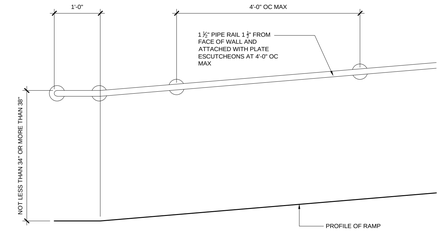
WALL MOUNTED HANDRAIL SECTION AT WALL

SCALE: NTS



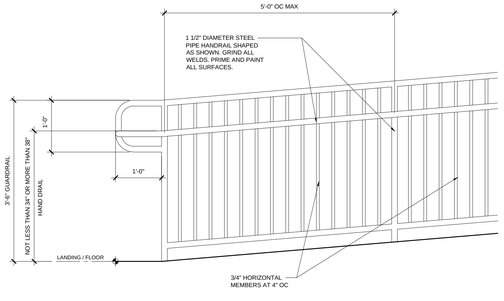
METAL GUARDRAIL (GR)

SCALE: 3/4" - 1'-0"



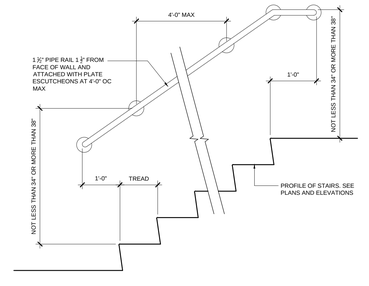
WALL MOUNTED HANDRAIL AT RAMP (WHR)

SCALE: 1" - 1'-0"



METAL GUARDRAIL / HANDRAIL AT RAMP (GR/HR)

SCALE: 3/4" - 1'-0"



WALL MOUNTED HANDRAIL AT STAIR (WMH)

SCALE: 1" - 1'-0"

LATHAN McKEE ARCHITECTS

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE: ENLARGED STAIR PLANS

PROJ. MGR.: FGH
DRAWN: TB
DATE: 06/30/26
REVISIONS

JOB NO.
MKA-26-032-00
SHEET NO:
A4.1

0 1" 2"

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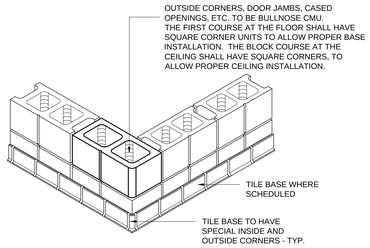
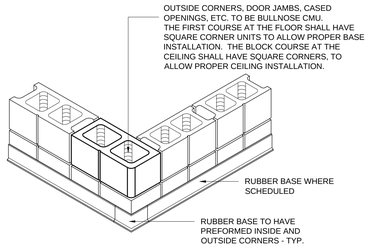
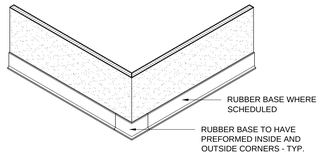


HARD TILE DETAIL
SCALE: 3/4" - 1'-0"



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



RUBBER BASE DETAIL
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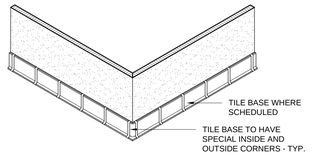
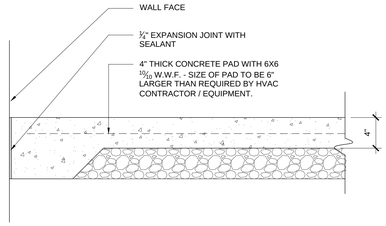
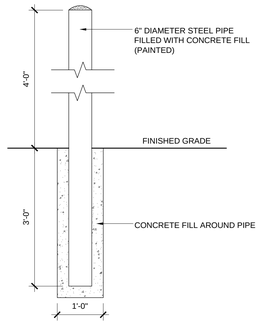


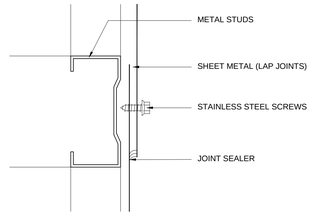
HARD TILE DETAIL
SCALE: 3/4" - 1'-0"



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

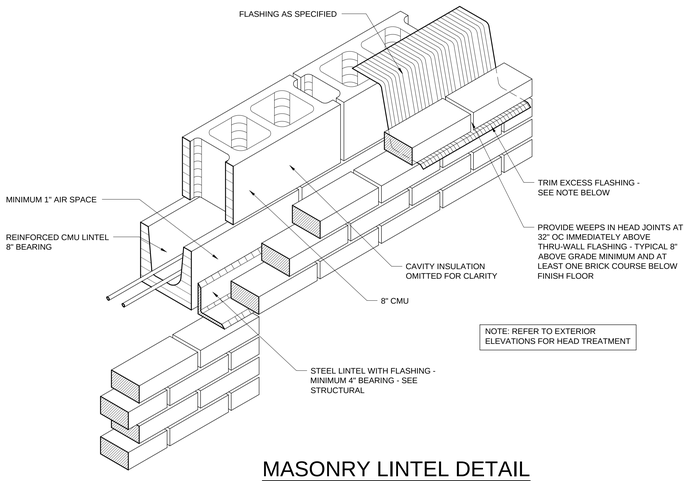


PIPE BOLLARD (PB)
SCALE: 1 1/2" - 1'-0"

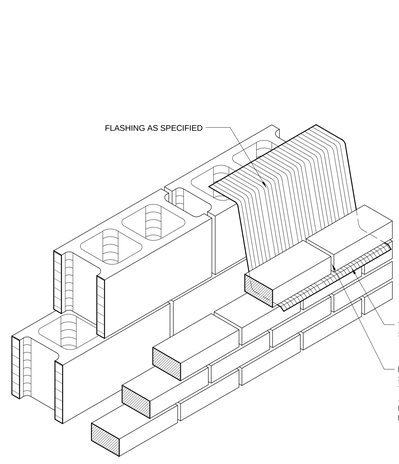


1 HORIZONTAL JOINT DETAIL
SCALE: 6" = 1'-0"

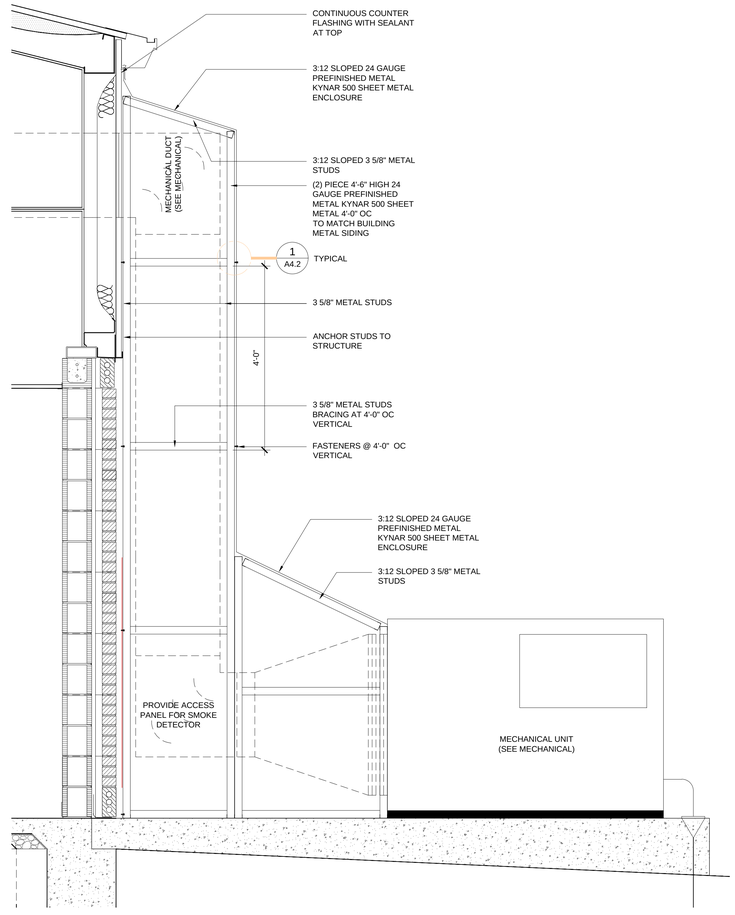
NOTE: VERTICAL JOINTS ARE SIMILAR.



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



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



A HVAC SHROUD SECTION DETAIL
SCALE: 3/4" = 1'-0"

LATHAN McKEE ARCHITECTS

Cafeteria Addition
at
Crossville High School
Dekalb County Board Of Education

SHEET TITLE: MISC. DETAILS

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

PROJ. MGR.: FGH
DRAWN:
DATE: 06/30/26
REVISIONS

JOB NO.
MKA-26-032-00
SHEET NO:
A4.2

0 1" 2"

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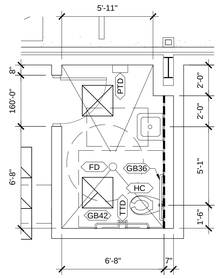
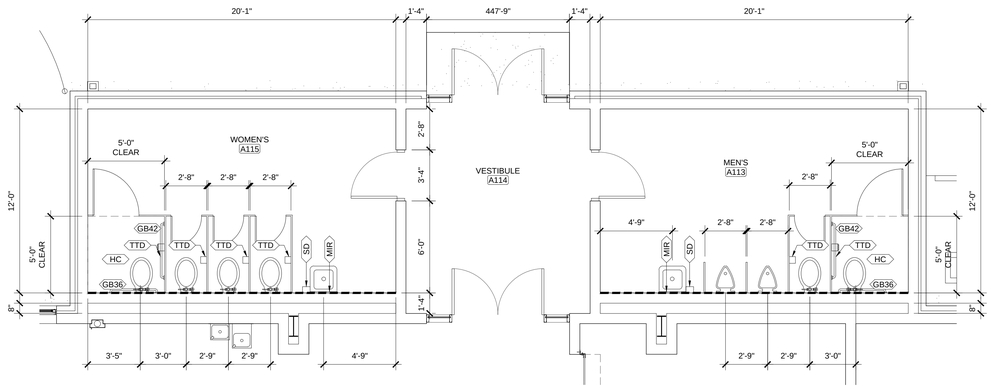


2 ENLARGED TOILET PLAN
SCALE: 1/4" = 1'-0"



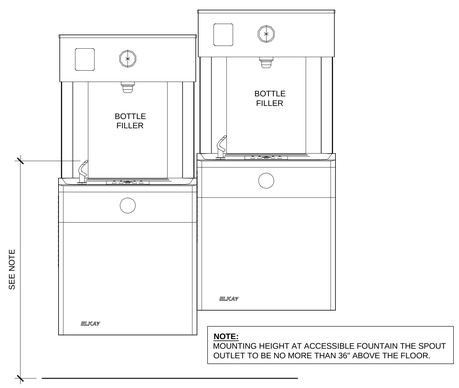
1 ENLARGED TOILET PLAN
SCALE: 1/4" = 1'-0"

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)
GB36	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)
GB42	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)
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

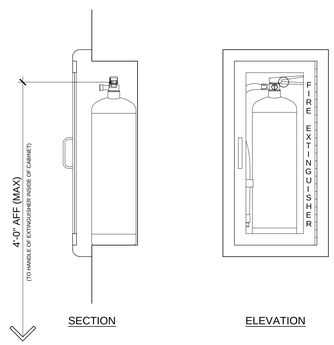
FLOOR PLAN LEGEND

SYMBOL	DESCRIPTION
CORRIDOR (---)	SCHEDULED ROOM NAME AND NUMBER
P-	WALL PARTITION TYPES
- - - - - - -	LOCATION OF TILE WAINSCOT (SEE FINISH SCHEDULE FOR FINISHES)
FD	FLOOR DRAIN (SEE PLUMBING)

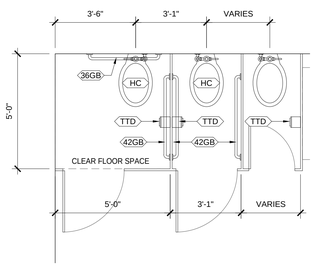


NOTE:
MOUNTING HEIGHT AT ACCESSIBLE FOUNTAIN THE SPOUT OUTLET TO BE NO MORE THAN 36" ABOVE THE FLOOR.

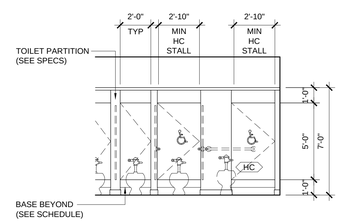
ELECTRIC WATER COOLER (EWC)
SCALE: 1 1/2" - 1'-0"



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



TYPICAL TOILET PARTITIONS
SCALE: 3/8" - 1'-0"



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

LATHAN McKEE ARCHITECTS

Cafeteria Addition
Crossville High School
Dekalb County Board Of Education

SHEET TITLE: ENLARGED TOILET PLANS & PARTITION ELEVATIONS

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

PROJ. MGR.: FGH
DRAWN: TB
DATE: 06/30/26
REVISIONS

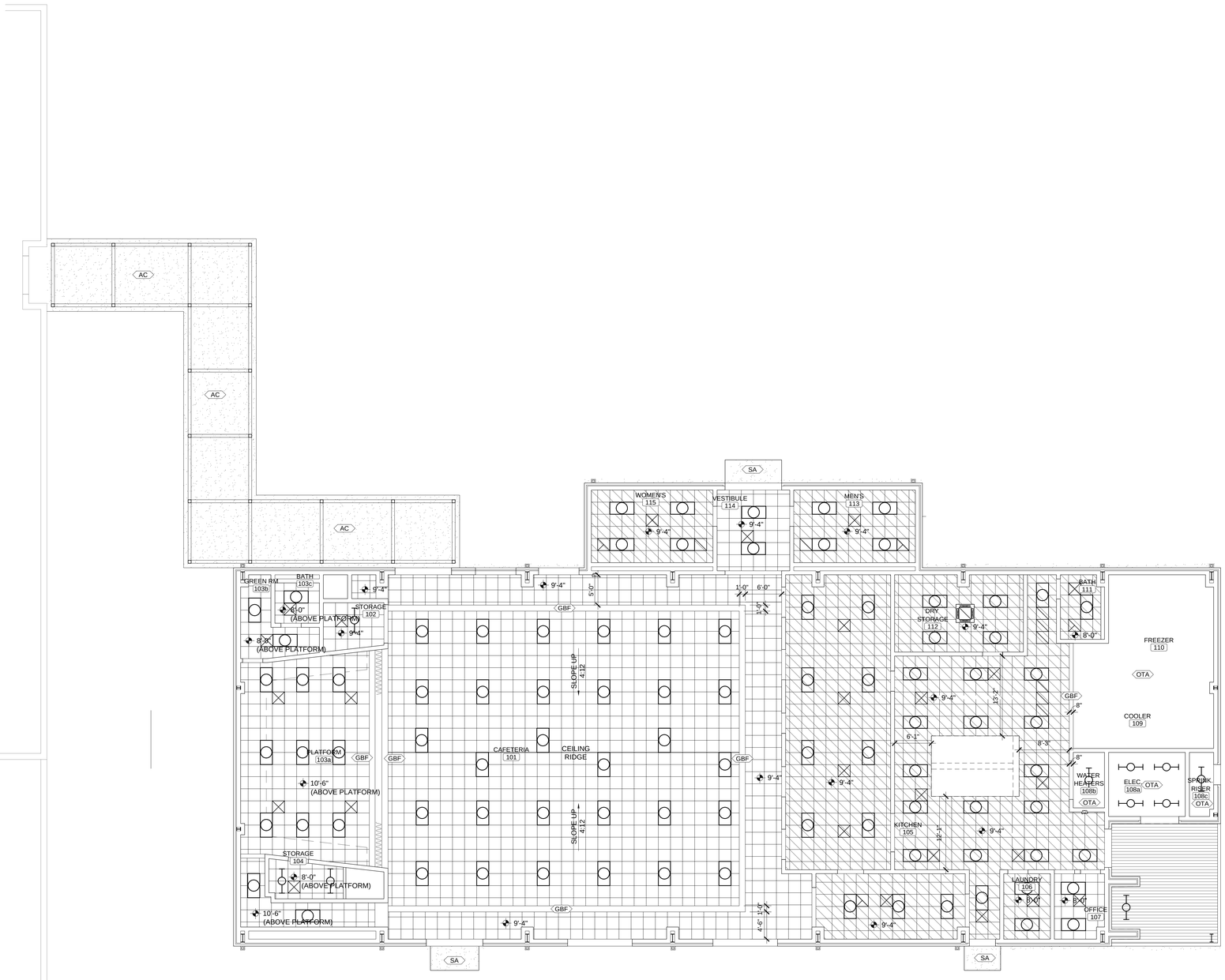
JOB NO.
MKA-26-032-00
SHEET NO:
A5.1

0 1" 2"

- Z:\2026\MKA-26-032-00 Crossville Cafeteria Dekalb County\Cad Drawings\Architectural\A5.X Series (Toilet Plans & Elevations, ADA Details).dwg
- Monday, July 6, 2026 4:07:35 PM

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 CEILING WITH ALUMINUM GRIDS
	METAL SOFFIT PANELS
	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)
AC	ALUMINUM CANOPY
SA	SUSPENDED ALUMINUM AWNING
GBF	GYPSUM BOARD FURRING
OTA	OPEN TO ABOVE



REFLECTED CEILING PLAN - FIRST FLOOR

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

TRUE NORTH

LATHAN McKEE ARCHITECTS

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE: REFLECTED CEILING PLAN - FIRST FLOOR

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

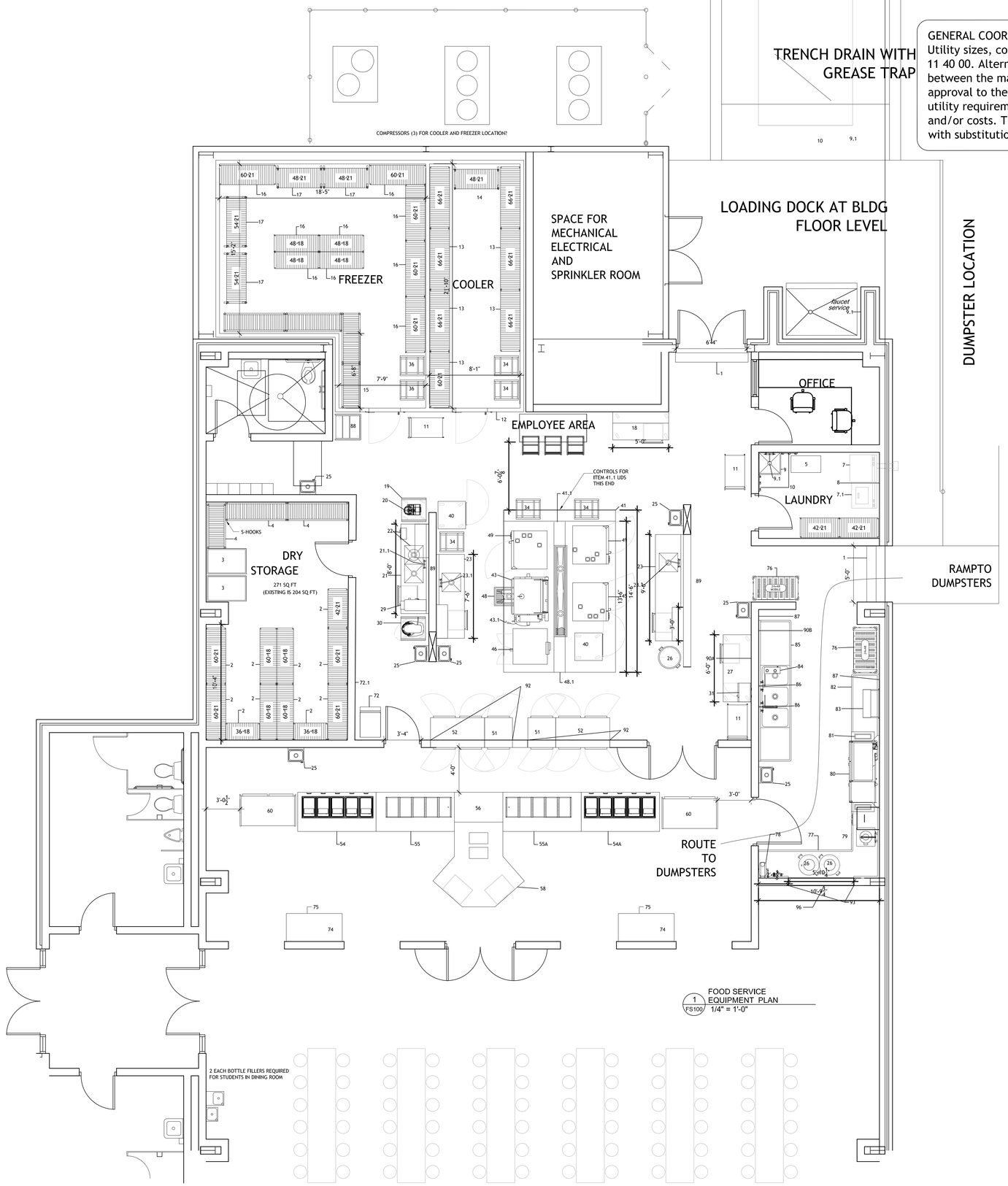
PROJ. MGR.: FGH
DRAWN: TB
DATE: 06/30/26
REVISIONS

JOB NO.
MKA-26-032-00
SHEET NO:
A7.1

0 1" 2"

- Z:\2026\MKA-26-032-00 Crossville Cafeteria Dekalb County\Cad Drawings\Architectural\A7.X Series (Ceiling Plans and Details).dwg
- Tuesday, July 7, 2026 9:25:03 AM

RAMP DOWN 4' FOR LOADING DOCK



GENERAL COORDINATION NOTE:
Utility sizes, connections and locations are based on the Food Service Drawings and Specified Equipment in Section 11 40 00. Alternates are listed, BUT it is the responsibility of the Food Service Contractor to compare utilities between the manufacturer, prime specification and alternates listed. If alternate equipment is submitted for approval to the Architect by the awarded bidder and is different that the prime specification and has different utility requirements; it is the General Contractor and Food Service Contractor's responsibility for these changes and/or costs. There will not be ANY change orders approved after the bid for substitutions and/or cost associated with substitutions. This is a non-negotiable statement.

FOOD SERVICE EQUIPMENT SCHEDULE

ITEM	QTY	DESCRIPTION	REMARKS
1	2	AIR CURTAIN	FSC (FOOD SERVICE CONTRACTOR)
2	1-LOT	SHELVING, DRY FOOD STORAGE-4 TIER	FSC
3	2	CAN RACKS	FSC
4	1-LOT	3-TIER HEAVY DUTY SHELVING	FSC
5	1	FLOOR SCRUBBER	FSC
6	1-LOT	SHELVING, CHEMICAL STORAGE-4 TIER	FSC
7	1	WASHER	FSC
7.1	1	DRYER	FSC
8	2	OVER SHELVES	FSC
9	1	MOP SINK	NIC (NOT IN CONTRACT) BY OTHER TRADES
9.1	2	SERVICE FAUCETS	NIC BY OTHER TRADES
10	2	MOP/BROOM HOLDER	FSC
11	6	CARTS (3 SHOWN ON PLANS)	FSC
12	1-LOT	WALK IN COOLER/FREEZER	FSC
13	1-LOT	COOLER SHELVING, STATIONARY-4 TIER	FSC
14	1-LOT	COOLER SHELVING, MOBILE-3 TIER	FSC
15	1-LOT	FREEZER HEAVY DUTY SHELVING-3 TIER	FSC
16	1-LOT	FREEZER SHELVING, STATIONARY-4 TIER	FSC
17	1-LOT	FREEZER SHELVING, MOBILE- 3 TIER	FSC
18	1	RECEIVING TABLE	FSC
19	1	EQUIPMENT STAND, MOBILE	FSC
20	1	FOOD PROCESSOR	FSC
21	1	SINK, TWO COMPARTMENT	FSC
21.1	1	FAUCET, PRE-RINSE WITH ADD A FAUCET	FSC
22	1	DISPOSER	FSC
23	2	SINK, ONE COMPARTMENT	FSC
23.1	2	FAUCET, PRE-RINSE WITH ADD A FAUCET	FSC
24	-	SPARE NUMBER	-
25	7	HAND SINK	FSC
26	7	WASTE RECEPITCALS (3 SHOWN ON PLANS)	FSC
27	1	WORKTABLE MOBILE	FSC
28	-	SPARE NUMBER	-
29	1	HOT WATER DISPENSER	FSC
30	1	20 QT MIXER	FSC
31	1	MICROWAVE	FSC
32	-	SPARE NUMBER	-
33	-	SPARE NUMBER	-
34	7	UNIVERSAL AND BUN PAN RACKS	FSC
35-39	-	SPARE NUMBERS	-
40	2	HEATED HOLDING PROOFER	FSC
41	1-LOT	EXHAUST HOOD	NIC (BY OTHER TRADES)
41.1	1-LOT	UTILITY DISTRIBUTION SYSTEM	FSC
42	-	SPARE NUMBER	-
43	1	40 GALLON BRAISING PAN	FSC
43.1	1	DOUBLE PANTRY FAUCET WITH SPRAY HOSE	FSC
44	-	SPARE NUMBER	-
45	-	SPARE NUMBER	-
46	1	DOUBLE STACK CONVECTION OVEN	FSC
47	-	SPARE NUMBER	-
48	1	FLOOR TROUGH	FSC
48.1	1	FLOOR TROUGH	FSC
49	3	DOUBLE STACK COMBINATION OVENS	FSC
50	-	SPARE NUMBER	-
51	2	ONE SECTION PASS THRU HEATED CABINET	FSC
52	2	TWO SECTION PASS THRU REFRIGERATOR	FSC
53	-	SPARE NUMBER	-
54	1	HOT FOOD COUNTER	FSC
54A	1	HOT FOOD COUNTER	FSC
55	1	COLD FOOD COUNTER	FSC
55A	1	COLD FOOD COUNTER	FSC
56	1	UTILITY COUNTER FOR ELECTRICAL PANEL	FSC
59	-	SPARE NUMBER	-
58	1	CASHIER COUNTER	FSC
59	-	SPARE NUMBER	-
60	2	REFRIGERATED MERCHANSIERS	FSC
61-71	-	SPARE NUMBER	-
72	1	ICE MACHINE	FSC
72.1	1	ICE MACHINE FILTER	FSC
73	-	SPARE NUMBER	-
74	2	ICE MACHINE W/DISPENSER AND WATER	FSC
75	2	BEVERAGE COUNTERS	FSC
76	4	POT & PAN RACKS (2 SHOWN ON PLANS)	FSC
77	1	SOILED DISHTABLE	FSC
77.1	1	PRE-RINSE FAUCET	FSC
78	1	HOSE REEL	FSC
79	1	DISPOSAL	FSC
80	1	CONVEYOR DISHWASHER	FSC
81	1	PANT LEG DUCT	FSC
82	1	CLEAN DISHTABLE	FSC
83	1	AMBIENT AIR DRYER	FSC
84	1	SINK HEATER	FSC
85	1	THREE COMPARTMENT SINK	FSC
86	2	PRE-RINSE W/FAUCET AND FAUCET	FSC
87	3-LOTS	STAINLESS STEEL WALL PANELS	FSC
88	1	SAFETY LADDER	FSC
89	2	STAINLESS STEEL WALL CAP	FSC
90	2-LOTS	SMART WALL SHELVING (A-B)	FSC
91	-	SPARE NUMBER	FSC
92	2-LOTS	SS PASS THRU TRIM-SEE DETAILS & SPECS	FSC
93	1	PICTURE FRAME STAINLESS STEEL-SEE DETAILS & SPECS	FSC
94	2	CAN OPENERS (NOT SHOWN ON PLANS)	FSC
95	4	TRAY AND SILVERWARE CARTS (NOT SHOWN ON PLANS)	FSC
96	1-LOTS	SS WALL PANELS DINING ROOM SIDE	FSC

LATHAN ▪ McKEE ARCHITECTS

Cafeteria Addition at Crossville High School for Dekalb County Board Of Education

SHEET TITLE: FOOD SERVICE EQUIPMENT LAYOUT

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

PROJ. MGR.: FGH
DRAWN:
DATE: 6/30/2026
REVISIONS

JOB NO. MKA-26-032-00
SHEET NO: FS-100

0 1" 2"

RAMP DOWN 4' FOR LOADING DOCK

TRENCH DRAIN WITH GREASE TRAP

COMPRESSORS (3) FOR COOLER AND FREEZER LOCATION!

CONDENSATE DRAIN LINES- DO NOT COMBINE-MUST BE SEPERATE

FREEZER

COOLER

SPACE FOR MECHANICAL ELECTRICAL AND SPRINKLER ROOM

LOADING DOCK AT BLDG FLOOR LEVEL

DUMPSTER LOCATION

faucet service

OFFICE

EMPLOYEE AREA

SEE MECHANICAL FOR RESTROOM UTILITIES

SEE MECHANICAL FOR THIS AREA DETAILS

CONTROLS FOR ITEM 41.1 UDS THIS END

DRY STORAGE

271 SQ FT

(EXISTING IS 204 SQ FT)

S-HOOKS

6'-4"

10'-4"

3'-4"

4'-0"

3'-0"

3'-0 1/2"

5'-0"

2 EACH BOTTLE FILLERS REQUIRED FOR STUDENTS IN DINING ROOM

1 FS200 FOOD SERVICE EQUIPMENT WASTE 1/4" = 1'-0"

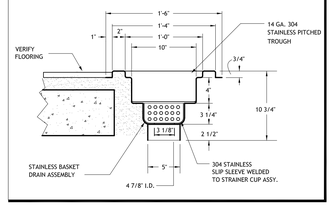
WASTE SYMBOLS

- . . . . . FS-1 = FLOOR SINK, 8" X 8" SQUARE, WITH FULL TOP GRATE
- . . . . . FS-2 = FLOOR SINK, 8" X 8" SQUARE, WITH HALF GRATE
- . . . . . FS-3 = FLOOR SINK, 8" X 8" SQUARE, 10" DEEP, WITH HALF GRATE
- . . . . . FS-4 = FLOOR SINK, 8" X 8" SQUARE, 10" DEEP, NO GRATE
- . . . . . FD-1 = FLOOR DRAIN, WITH TYPE "A" STRAINER 5" TOP'
- . . . . . FT-1 = FLOOR TROUGH DRAIN W/4" TRAPPED CONNECTION INTO BOTTOM OUTLET. PROVIDE FLOOR RECESS TO ACCOMMODATE FLOOR TROUGH SIZE
- . . . . . DW-1 = DIRECT WASTE, 1 1/2"
- . . . . . IDW-1 = IN DIRECT WASTE, 1 1/2"
- FIELD CONNECTIONS

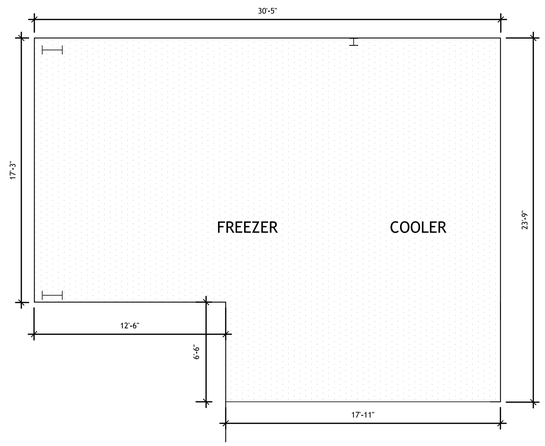
FLOOR WASTE AND SPECIAL CONDITIONS NOTES

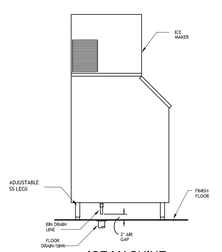
1. ALL DRAINS DEDICATED FOR EQUIPMENT, INCLUDING FLOOR TROUGHS, MUST BE FLUSH WITH PLANE OF SURROUNDING FLOOR.
2. GENERAL PURPOSE FLOOR DRAINS, INCLUDING FLOOR SINKS, IN AREAS OF HIGH TRAFFIC MUST BE FLUSH WITH PLANE OF SURROUNDING FLOOR.
3. GENERAL PURPOSE FLOOR DRAINS, INCLUDING FLOOR SINKS, LOCATIONS MUST BE VERIFIED BY MECHANICAL CONTRACTOR/ ENGINEER FOR ALL CODE REQUIREMENTS.

NOTE: ALL FLOOR TROUGHS, FLOOR DRAINS AND FLOOR SINKS TO BE FLUSH WITH SURROUNDING QUARRY TILE. DO NOT PITCH FLOOR TO DRAINS UNLESS OTHERWISE NOTED.

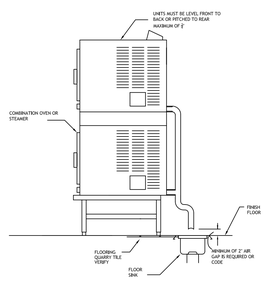


RECESS FOR WALKINS
FSC TO VERIFY





ICE MACHINE WASTE DETAIL



STEAMER OR COMBINATION OVEN DRAIN DETAIL

LATHAN ▪ McKEE ARCHITECTS

Cafeteria Addition at Crossville High School for Dekalb County Board Of Education

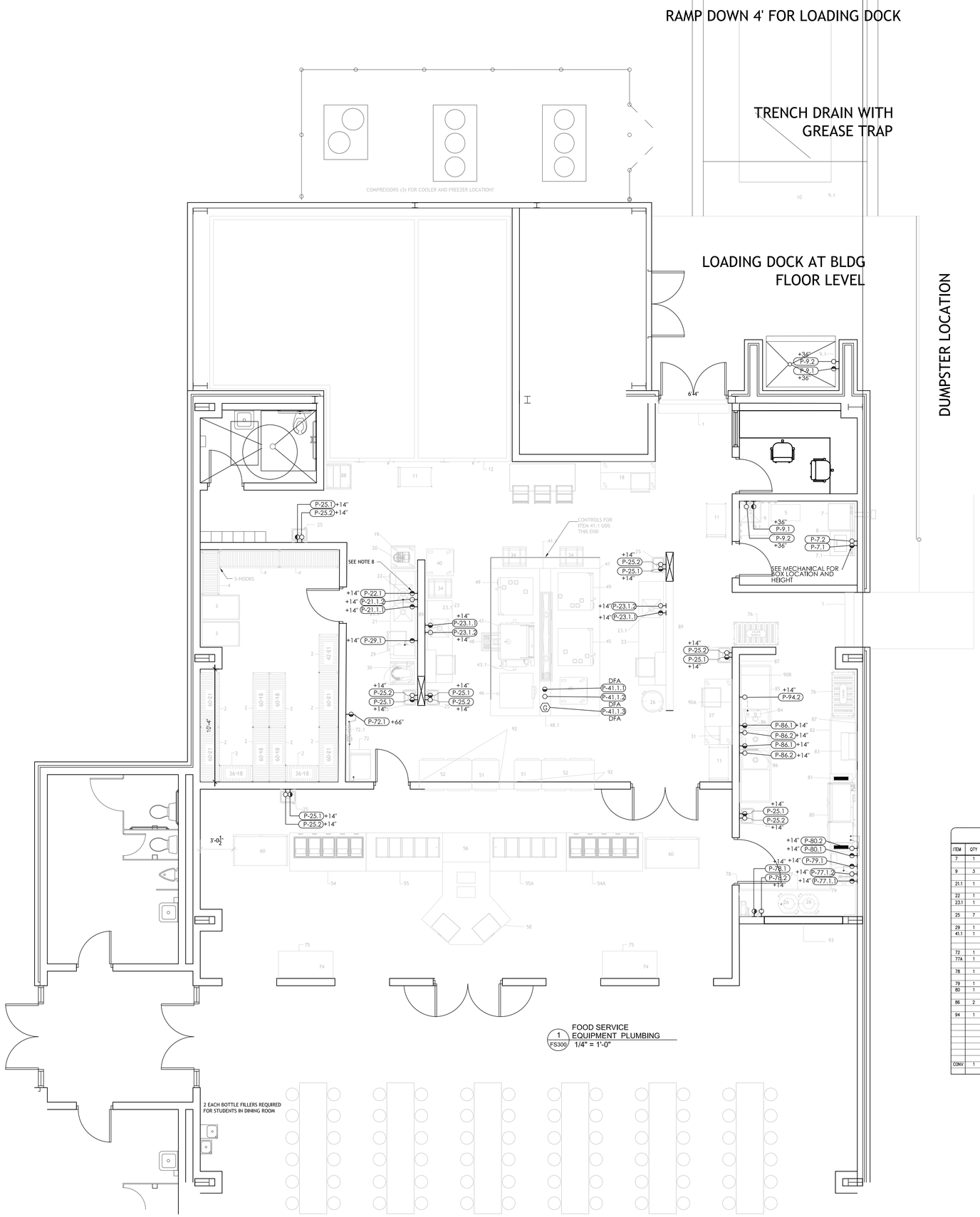
SHEET TITLE: FOOD SERVICE EQUIPMENT WASTE

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

PROJ. MGR.: FGH
DRAWN:
DATE: 6/30/2026
REVISIONS

JOB NO. MKA-26-032-00
SHEET NO: FS-200

0 1" 2"



1 FS300 FOOD SERVICE EQUIPMENT PLUMBING
1/4" = 1'-0"

PLUMBING SYMBOLS

○	HW–HOT WATER
◒	CW–COLD WATER
G	GAS – (NATURAL)
⊢	ROUGH–IN FROM WALL
●——	FIELD CONNECTIONS
B.T.U.	BRITISH THERMAL UNIT
B.T.C.	BRANCH TO CONNECTION
D.F.A.	DOWN FROM ABOVE
A.F.F.	ABOVE FINISHED FLOOR

PLUMBING NOTES

1. PLUMBING CONTRACTOR SHALL ROUGH–IN AND MAKE FINAL CONNECTIONS TO ALL FOOD SERVICE EQUIPMENT ACCORDING TO MANUFACTURER'S SHOP DRAWINGS.
2. PLUMBING CONTRACTOR SHALL FURNISH ALL INDIRECT WASTE PIPING, SHUT–OFF VALVES (WATER AND GAS), PRESSURE REDUCING VALVES, WATER HAMMER ARRESTORS, ETC., AS REQUIRED TO MAKE EACH PIECE OF EQUIPMENT FULLY OPERATIONAL.
3. REFER TO FOOD SERVICE EQUIPMENT SUPPLIER'S DRAWINGS FOR ALL EQUIPMENT IDENTIFICATION.
4. DO NOT RUN PLUMBING, ROOF DRAINS OR H.V.A.C. DUCT WORK ABOVE WALK–IN COOLER/FREEZER AREA.
5. EXPOSED PIPING AT HOSE REEL TO BE CHROME PLATED. EXPOSED PIPING AND VACUUM BREAKER TO BE SUPPLIED BY F.S.E.C. AND DELIVERED TO PLUMBING CONTRACTOR FOR INSTALLATION.
6. PLUMBING CONTRACTOR TO INSTALL BACKFLOW PREVENTERS (SUPPLIED BY F.S.E.C.) IN WATER LINES TO 49–COMBI OVENS AND AT ALL LOCATIONS IF REQUIRED BY LOCAL AND STATE CODES.
7. F.S.E.C. TO PROVIDE AND PLUMBING CONTRACTOR TO INSTALL APPROVED VACUUM BREAKERS, WATER SUPPLY GATE TYPE VALVES, LINE PRESSURE REGULATORS, AND HYDRAULIC SHOCK ARRESTORS FOR ITEM 80 DISHMACHINE.
8. DISPOSER DRAIN LINES ARE TO BE SUPPLIED WITH ADEQUATE CLEAN OUT FITTINGS.
9. SEE LOCATION OF WATER FILTER FOR WATER & ICE DISPENSERS UNDER COUNTER BTC. TO ITEM 74 PER CODE
10. PLUMBING CONTRACTOR SHALL FLUSH ALL LINES FREE OF FOREIGN MATTER BEFORE CONNECTING FIXTURES.
11. GENERAL CONTRACTOR TO CUT OR PROVIDE ANY HOLES THROUGH CEILINGS, ROOFS AND WALLS FOR DUCTS, CONDUITS, REFRIGERATION LINE ACCESS, ETC. IN ACCORDANCE WITH LOCAL FIRE AND BUILDING CODES AND IN ACCORDANCE WITH DUCT SIZES SPECIFIED.
12. SEE PAGE FS–700 & FS–701 FOR ITEM 41.1 SHOP DRAWINGS AND DETAILS ABOUT THE GAS LOOPED SYSTEM FOR UDS

NOTE:

ALL VACUUM BREAKERS AND CHECK VALVES SHALL BE INSTALLED SUCH THAT THEY CAN BE VISUALLY INSPECTED BY LOCAL HEALTH DEPARTMENT REPRESENTATIVE.

PLUMBING SCHEDULE

ITEM	QTY	DESCRIPTION	TAG NO.	WATER C.W.	WATER H.W.	NATURAL GAS CONN.	NATURAL GAS B.T.U.	REMARKS
						7"–10" W.C.		
7	1	WASHER	P–7.1	1/2"				B.T.C. ON WASHING MACHINE
			P–7.2		1/2"			B.T.C. ON WASHING MACHINE
9	3	SERVICE SINK FAUCETS	P–9.1	3/4"				B.T.C. ON SINK FAUCET BY OTHER TRADES
			P–9.2		3/4"			B.T.C. ON SINK FAUCET BY OTHER TRADES
21.1	1	PRE–RINSE WITH FAUCET	P–21.1.1	1/2"				B.T.C. ON SINK FAUCET
			P–21.1.2		1/2"			B.T.C. ON SINK FAUCET
22	1	3 HP DISPOSER	P–22.1	1/2"				B.T.C. ON DISPOSER, INLET THRU SYPHON BREAKER
23.1	1	PRE–RINSE WITH FAUCET	P–23.1.1	1/2"				B.T.C. ON SINK FAUCET
			P–23.1.2		1/2"			B.T.C. ON SINK FAUCET
25	7	HAND SINK	P–25.1	1/2"				B.T.C. ON SINK FAUCET
			P–25.2		1/2"			B.T.C. ON SINK FAUCET
29	1	HOT WATER DISPENSER	P–29	1/4"				B.T.C. ON TO WATER FILTER THEN DISPENSER
41.1	1	UTILITY DISTRIBUTION SYSTEM (UDS)	P–41.1	3/4"				DOWN FROM ABOVE (DFA)
			P–41.2		3/4"			DOWN FROM ABOVE (DFA)
			P–41.3			2"IPS SINGLE	1700000	DOWN FROM ABOVE (DFA)–SEE PAGE FS700 ITEM 41.1. SHOP DRAWINGS–TWO CONNECTIONS REQUIRED
72	1	ICE MACHINE	P–72.1	1/2"				B.T.C. ON ICE MACHINE VIA WATER FILTER
77A	1	PRE–RINSE UNIT	P–77A.1	1/2"				B.T.C. ON HOSE REEL
			P–77A.2		1/2"			B.T.C. ON HOSE REEL
78	1	HOSE REEL/ PRE–RINSE UNIT	P–78.1	1/2"				B.T.C. ON HOSE REEL
			P–78.2		1/2"			B.T.C. ON HOSE REEL
79	1	DISPOSER	P–79.1	1/2"				B.T.C. ON INLET THRU SYPHON BREAKER
80	1	DISHMACHINE	P–80.1	1/2"				B.T.C. ON DISHMACHINE THROUGH WATER TEMPERING KIT
			P–80.2		1/2"			B.T.C. ON DISHMACHINE
86	2	3–COMP SINK PRE–RINSE W/FAUCET & FAUCET	P–86.1	1/2"				B.T.C. ON SINK FAUCET AND PRE–RINSE
			P–86.2		1/2"			B.T.C. ON SINK FAUCET AND PRE–RINSE
94	1	SINK HEATER	P–94.2		1/2"			B.T.C. ON SINK HEATER
CONV	1	GARDEN HOSE CONNECTION	CONV	3/4"				GARDEN HOSE CONNECTION FOR TRASH CAN & DOCK WASHING

B.T.C. = BRANCH TO CONNECTION
CONV. = CONVENIENCE CONNECTION

LATHAN ▪ McKEE ARCHITECTS

Cafeteria Addition at Crossville High School for Dekalb County Board Of Education

SHEET TITLE: FOOD SERVICE EQUIPMENT PLUMBING

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

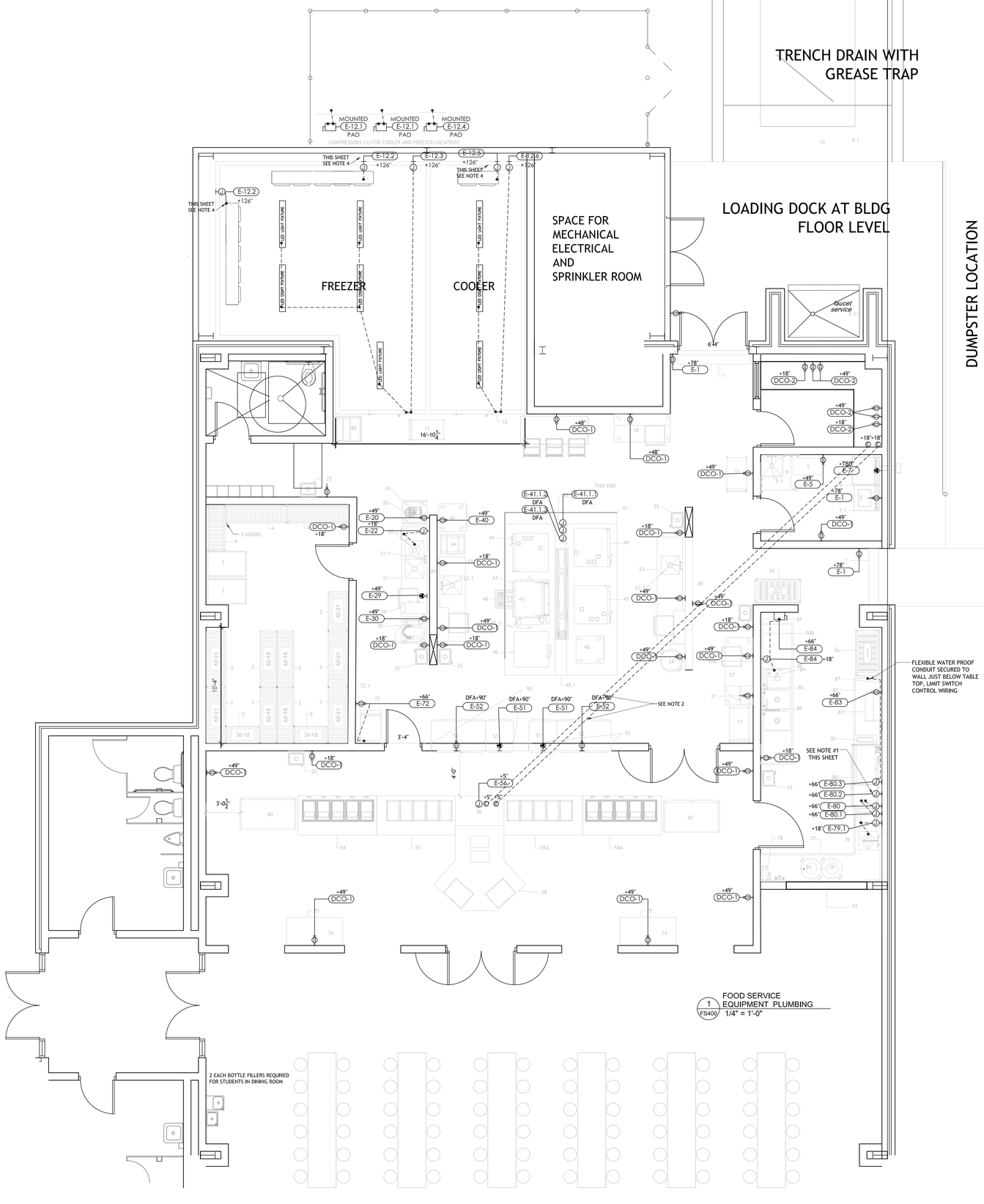
PROJ. MGR.: FGH
DRAWN:
DATE: 6/30/2026
REVISIONS

JOB NO. MKA-26-032-00
SHEET NO: FS-300

0 1" 2"

RAMP DOWN 4' FOR LOADING DOCK

TRENCH DRAIN WITH GREASE TRAP



1 FS400 FOOD SERVICE EQUIPMENT PLUMBING
1/4" = 1'-0"

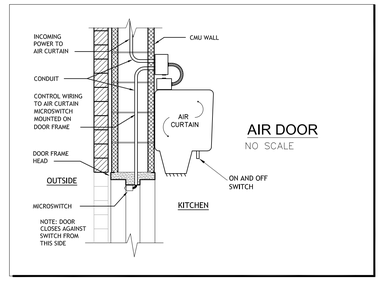
ELECTRICAL NOTES

1. EXHAUST FAN FOR DISH MACHINE TO BE WIRED TO DISH MACHINE CONTROL PANEL.
2. PROVIDE CONDUIT UNDER SLAB BETWEEN KITCHEN OFFICE AND CASHIER UNIT(S) FOR COMPUTER INTERFACE. PROVIDE CONDUIT UNDER SLAB BETWEEN CASHIER UNIT(S) FOR SAME, 3/4" CONDUIT MINIMUM.
3. WALK-IN COOLER AND FREEZER- RUN ELECTRICAL CONDUIT FOR LIGHT FIXTURES ON INSIDE OF WALK-IN BOXES. USE CONDUIT SEAL-OFFS TO PREVENT HEAT TRANSFER WHERE CONDUIT PENETRATES BOX, TYP.
4. ENERGIZE 208 /1 HEAT TAPE FROM FREEZER EVAPORATORS FOR FREEZER DRAIN LINES.
5. ELECTRICAL CONTRACTOR TO PROVIDE WATERPROOF BOXES FOR FLOOR MOUNTED RECEPTACLES IN SERVERY. BOXES TO BE NO HIGHER THAN 5" AFF TO CLEAR SERVING EQUIPMENT.

ELECTRICAL SYMBOLS

- DUPLEX RECEPTACLE, GROUND TYPE,
- SINGLE RECEPTACLE, GROUND TYPE,
- SIMPLEX RECEPTACLE, GROUND TYPE,
- DISCONNECT SWITCH
- RECESSED DISCONNECT SWITCH
- ROUGH-IN FROM WALL
- SPECIAL PURPOSE OUTLET, AS INDICATED, GROUND TYPE,
- CONDUIT STUB-OUT IN FLOOR FOR DIRECT CONNECTION
- COMPUTER/DATA LINE
- DUPLEX RECEPTACLE MTD. ON DROP CORD FROM CEILING
- SINGLE RECEPTACLE MTD. ON DROP CORD FROM CEILING
- FIELD WIRING TO CONNECTION POINT ON EQUIPMENT
- FIELD WIRING TO CONNECTION POINT ON EQUIPMENT

V	VOLTAGE
H.P.	HORSEPOWER
K.W.	KILOWATT
D.F.A.	DOWN FROM ABOVE
B.T.C.	BRANCH TO CONNECTION
A.F.F.	ABOVE FINISHED FLOOR
D.C.O.	DUPLEX CONVENIENCE OUTLET



AIR DOOR
NO SCALE

ELECTRICAL SCHEDULE

ITEM NO.	QTY	DESCRIPTION	TAG NO.	VOLTS	PHASE	H.P.	K.W.	AMPS	CONNECTION TYPE	REMARKS
1	1	AIR CURTAIN	E-1	120	1	1.00		6.5	NEMA 5-15P	NEMA 5-15R B.T.C. TO ON/OFF SWITCH AND MICRO SWITCH
5	1	FLOOR SCRUBBER	E-5	120	1	1.00		–	NEMA 5-15P	NEMA 5-15R
7	1	WASHER	E-7	120	1				NEMA 5-15P	NEMA 5-15R
7.1	1	DRYER	E-7.1	208	1				NEMA 14-30P	NEMA 14-30R
12	1 LOT	WALK-IN COOLER/FREEZER								
	2	A. FREEZER CONDENSING UNITS	E-12.1	208-230	3	6.00		32.7	DISCONNECT BOX (MP)	B.T.C. ON WALK-IN FREEZER COND. UNIT (RLA 17; MCA 27.5 (MOPD 40)
	2	B. FREEZER EVAP. COILS	E-12.2	208-230	1			32.2	DISCONNECT BOX (MP)	B.T.C. ON WALK-IN EVAP. COILS LOCATED INSIDE WALK-IN (2.5 AMP FANS & 24:1 HEATER: SEAL PENETRATION)
	1	B. FREEZER ACCESSORIES	E-12.3	120	1			20.0	J-BOX	B.T.C. ON WALK-IN FREEZER DOOR & WINDOW HTR., LIGHTS, CONTROLS, AND HEAT TAPE
	1	C. COOLER CONDENSING UNIT	E-12.4	208-230	3	1.5		9.3	DISCONNECT BOX (MP)	B.T.C. ON WALK-IN COOLER CONDENSING UNIT (RLA 8.7; MCA 15; MOPD 20)
	1	D. COOLER EVAP. COIL	E-12.5	120	1			1.6	J-BOX	B.T.C. ON EVAP. COIL LOCATED INSIDE WALK-IN COOLER (SEAL PENETRATION)
	1	E. COOLER ACCESSORIES	E-12.6	120	1			20.0	J-BOX	B.T.C. ON WALK-IN COOLER DOOR & WINDOW HTR., LIGHTS, AND CONTROLS.
22	1	2 HP DISPOSER WITH CONTROL PANEL	E-22	208	3	2		6.6	J-BOX	B.T.C. TO CONTROL PANEL SUPPLIED WITH DISCONNECT BOX
29	1	HOT WATER DISPENSER	E-29	208	1		5.0	24.0	NEMA 6-30P	NEMA 6-30R
30	1	20 QT MIXER	E-30	120	1			8	NEMA 5-15P	NEMA 5-15R
40	1	HOLDING CABINET	E-40	120	1			16.7	NEMA 5-20P	NEMA 5-20R
41.1	1	UTILITY DISTRIBUTION SYSTEM (U.D.S.)	E-41.1.1	120	1				DOWN FROM ABOVE	SEE SHOP DRAWINGS FS-700
	1	UTILITY DISTRIBUTION SYSTEM (U.D.S.)	E-41.1.2	120	1				DOWN FROM ABOVE	SERVICE BREAKER - SEE SHOP DRAWINGS FS-700
	1	UTILITY DISTRIBUTION SYSTEM (U.D.S.)	E-41.1.3	120/208	3			50	DOWN FROM ABOVE	SERVICE BREAKER TO BE 120/208/3 50 AMP-SEE SHOP DRAWINGS FS-700
51	2	1-SECTION PASS-THRU HEATED CABINET	E-51	120/208	1			7.8	NEMA L14-20P	NEMA L14-20R
52	2	1-SECTION PASS-THRU REFRG CABINET	E-52	120	1			11	NEMA 5-15P	NEMA 5-15R
56	1	MAIN SERVING LINE	E-56	120/208	3			68.4	J-BOX	B.T.C. TO CONTROL PANEL WITH BREAKERS
	2	COMPUTER-POS	C							
60	2	GRAB AND GO MERCHANDISERS	E-60	208	1			9.55	NEMA 6-30P	NEMA 6-30R
72	1	ICE MACHINE	E-72	120	1			8.5	NEMA 5-15P	NEMA 5-15R CORD & PLUG PROVIDED BY FSC AND INSTALLED BY ELECTRICIAN IN FIELD
79	1	DISPOSER	E-79	208	3	5		13.8	J-BOX	B.T.C. TO CONTROL PANEL WITH DISCONNECT
80	1	DISH MACHINE	E-80	208	3			60.6	J-BOX	CONNECT TO DISH MACHINE DISCONNECT ON MACHINE (TANK HEAT, MOTOR, CONTROLS) 80 AMP CIRCUIT REQUIRED
			E-80.1	208	3			83.9	J-BOX	CONNECT TO DISH MACHINE VIA DISCONNECT ON MACHINE (30KW BOOSTER HEATER) 90 AMP CIRCUIT REQUIRED
			E-80.2	120	1			2.5	J-BOX	DETERGENT PUMP
			E-80.3						J-BOX	EMPTY J-BOX FOR EXHAUST FAN CONTROL WIRING
83	1	AMBIENT AIR DRYER	E-83	115	1			4.3	NEMA 5-15P	NEMA 5-15R
84	1	SINK HEATER	E-84	208	3			25	DISCONNECT BOX	CONNECT TO DISH MACHINE VIA REMOTE J-BOX (TANK HEAT, MOTOR, CONTROLS) 80 AMP CIRCUIT REQUIRED
DCO-1		CONVENIENCE OUTLET	DCO-1	120	1			20.0	DUPLEX RCPT.	GENERAL USE OUTLET
DCO-2		CONVENIENCE OUTLET - (OFFICE)	DCO-2	120	1			20.0	DUPLEX RCPT.	ISOLATED GROUND CIRCUIT OUTLET
DCO-3		CONVENIENCE OUTLET - (DROP CORD-RETRAC)	DCO-3	120	1			20.0	DUPLEX RCPT.	GENERAL USE OUTLET; RETRACTABLE

B.T.C. = BRANCH TO CONNECTION

LATHAN ▪ McKEE ARCHITECTS

Cafeteria Addition at Crossville High School for Dekalb County Board Of Education

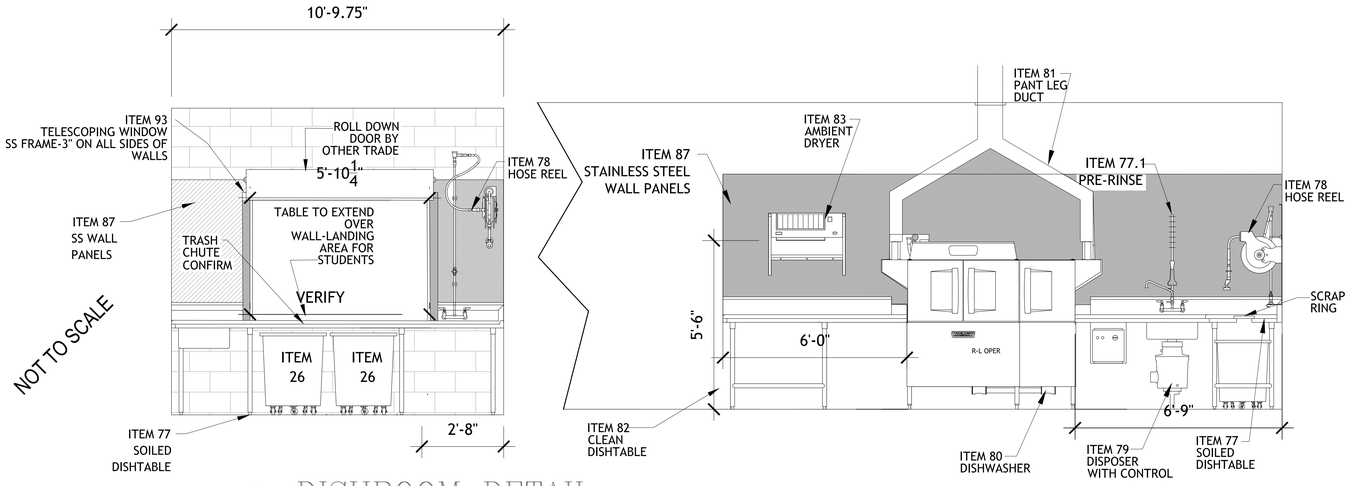
SHEET TITLE: FOOD SERVICE EQUIPMENT ELECTRICAL

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

PROJ. MGR.: FGH
DRAWN:
DATE: 6/30/2026
REVISIONS

JOB NO. MKA-26-032-00
SHEET NO: FS-400

0 1" 2"

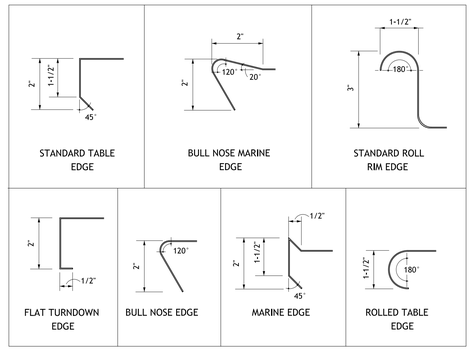


1 FS-500 DISHROOM DETAIL

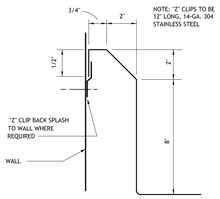
ITEM 26,77,78,87 AND 93 NOT TO SCALE

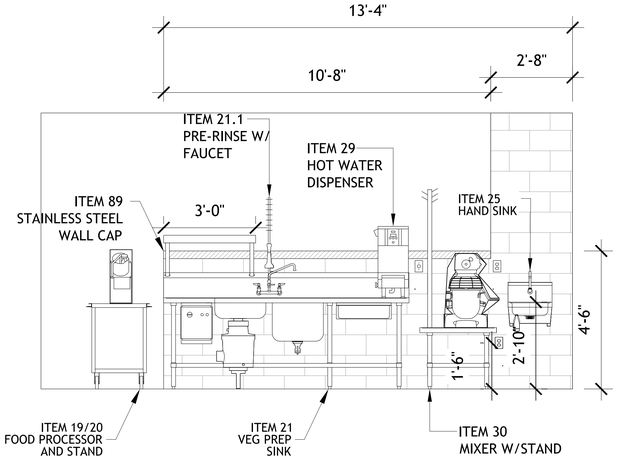
2 FS-500 DISHROOM DETAIL

ITEM 77,77.1,78,79,80,81,82,83 & 87 NOT TO SCALE



DEFINITION OF
CUSTOM FAB. EDGES

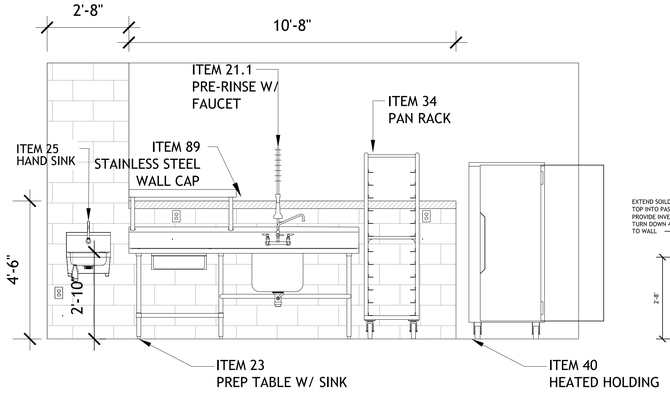




3 FS-500 VEGETABLE PREP SINK

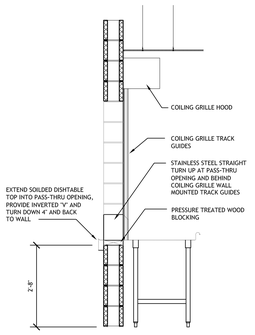
ITEM: 19,20,21,21.1,22,25,29,30 AND 89

NOT TO SCALE

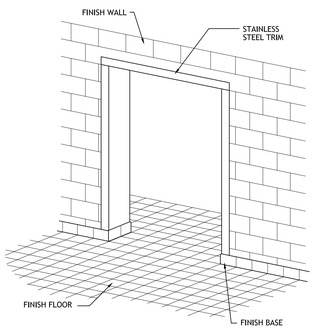


4 FS-500 PREP SINK

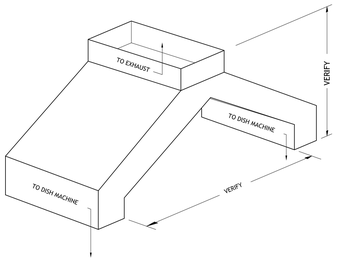
ITEM 23,23.1,25,34,40 AND 89 NOT TO SCALE



PASS-THRU SIDE VIEW
TYPICAL

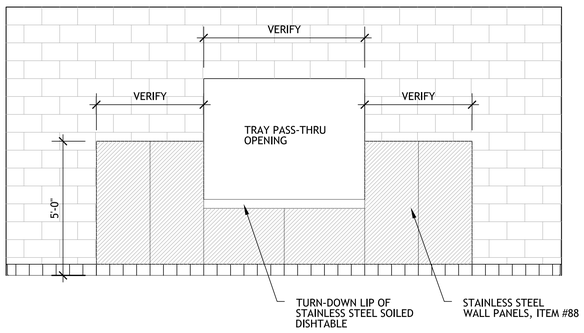


PASS-THRU OPENING
TYPICAL

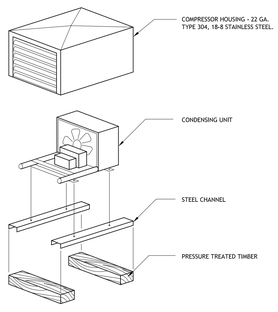


PANT LEG DUCT
TYPICAL

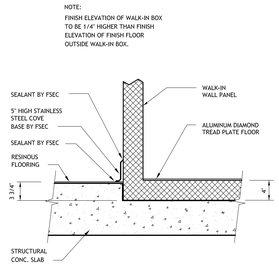
NOT TO SCALE



TYPICAL STAINLESS PANELS
IN DINING ROOM FOR DISH
RETURN

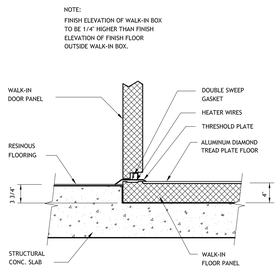


CONDENSATE UNIT
HOUSING DETAIL

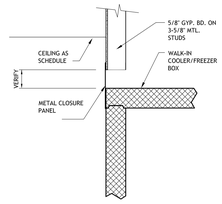


SECTION THRU
WALK-IN

NOT TO SCALE



SECTION THRU
WALK-IN @ DOOR



SECTION THRU
WALK-IN @ DOOR

LATHAN ▪McKEE ARCHITECTS

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

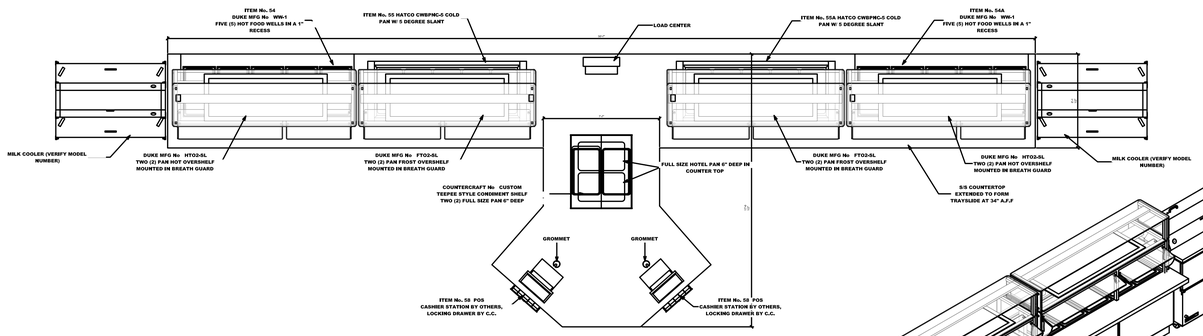
SHEET TITLE:
FOOD SERVICE
EQUIPMENT DETAILS

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

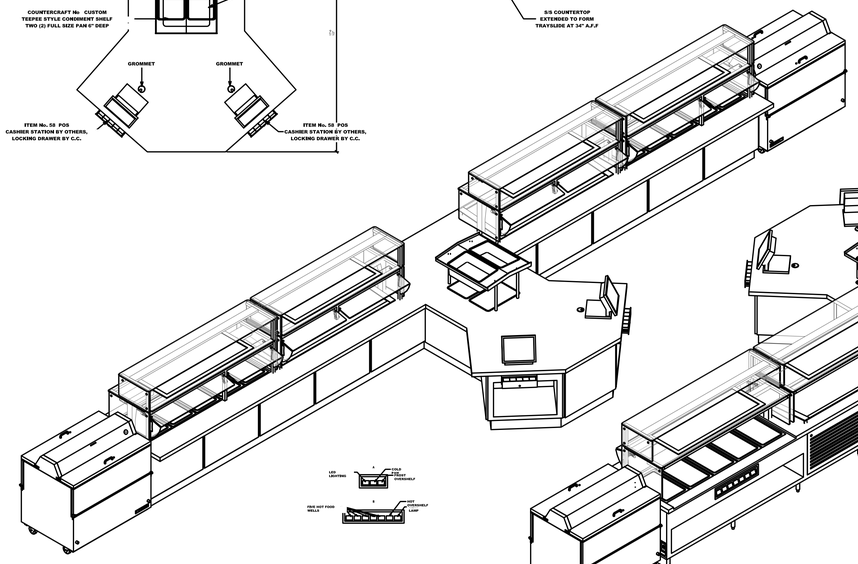
PROJ. MGR.: FGH
DRAWN:
DATE: 6/30/2026
REVISIONS

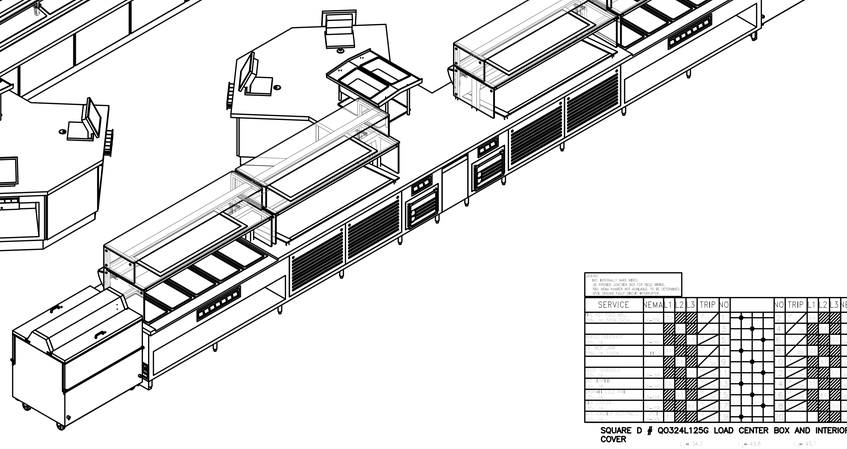
JOB NO.
MKA-26-032-00
SHEET NO:
FS-500

0 1" 2"



NOT TO SCALE





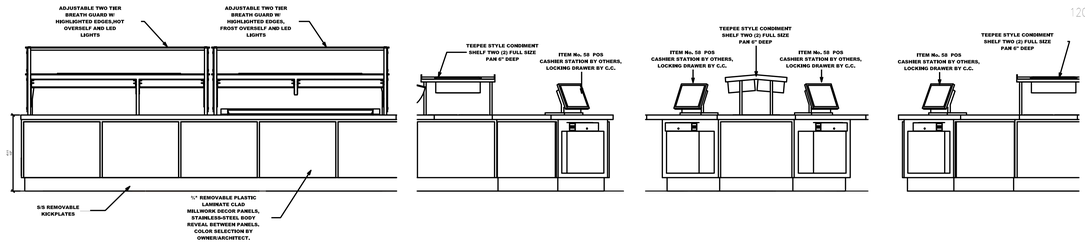
NOT TO SCALE

SERVICE	NEMA	1	2	3	TRIP	LG		LG	TRIP	1	2	3	NEMA	SERVICE

SQUARE D # QO324L125G LOAD CENTER BOX AND INTERIOR W/ A # QOC24UF FLUSH COVER

25% SAFETY MARK UP = 68.4 AMPS

120/208 3Ø LOAD CENTER



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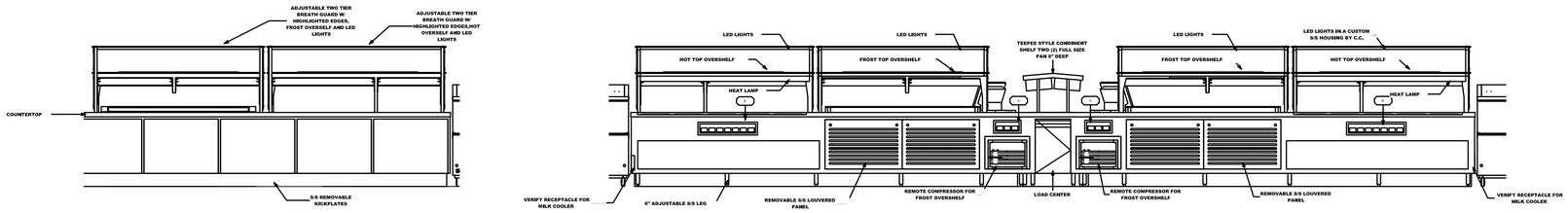

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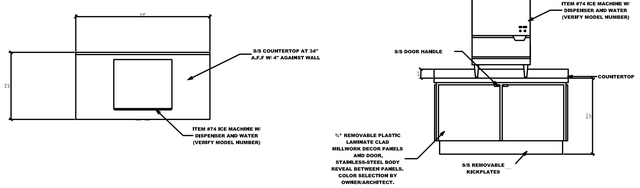
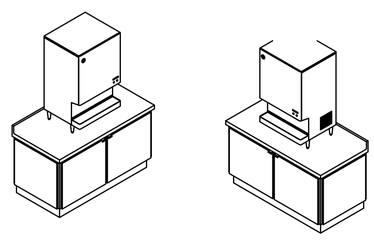




LATHAN ▪ McKEE ARCHITECTS

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

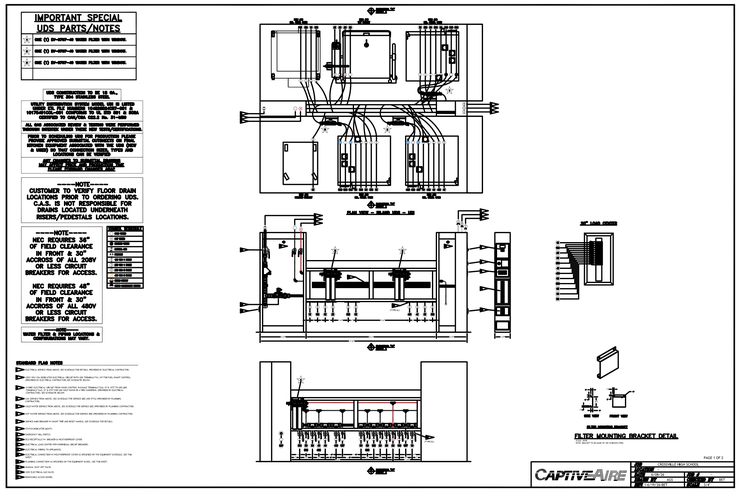
SHEET TITLE:
FOOD SERVICE
SERVING LINE DETAILS

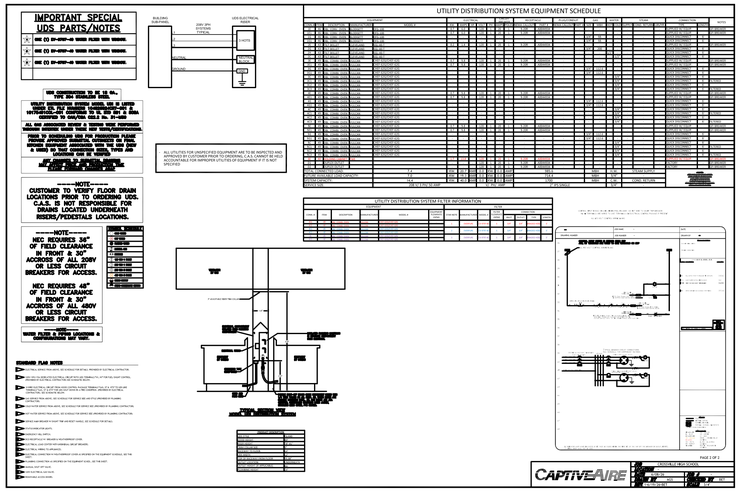
STATE OF ALABAMA
WALTER T. McKEE, JR.
No. 1082
MONTGOMERY, ALA.
REGISTERED ARCHITECT

PROJ. MGR.: FGH
DRAWN:
DATE: 6/30/2026
REVISIONS

JOB NO.
MKA-26-032-00
SHEET NO:
FS-600

0 1" 2"





LATHAN ▪ McKEE ARCHITECTS

Cafeteria Addition at Crossville High School for Dekalb County Board Of Education

SHEET TITLE:
FOOD SERVICE
ITEM 41.1 UTILITY DISTRIBUTION SYSTEM

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

PROJ. MGR.: FGH
DRAWN:
DATE: 6/30/2026
REVISIONS

JOB NO.
MKA-26-032-00
SHEET NO:
FS-700

0 1" 2"

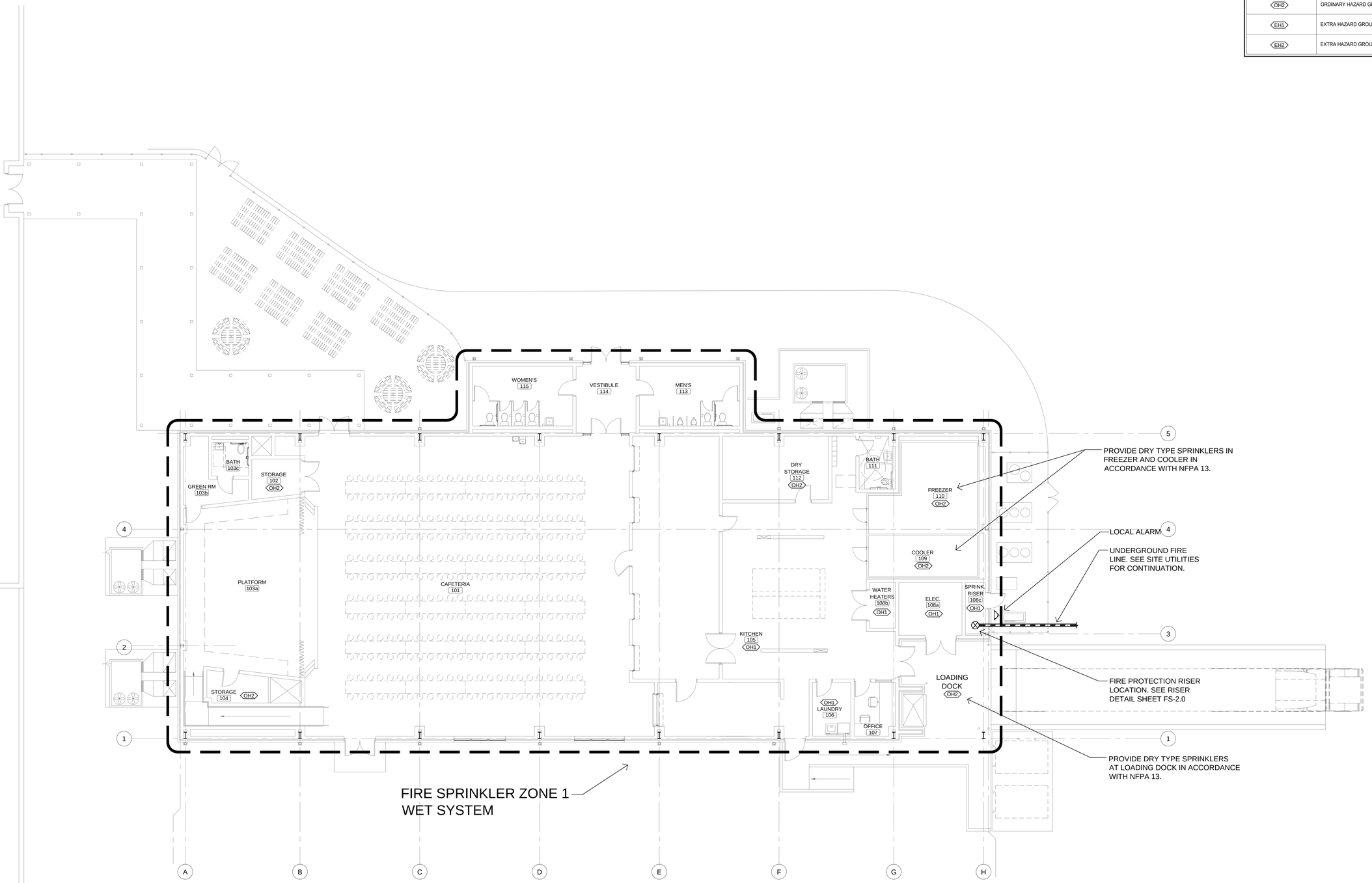
RCP NOTES

FIRE SPRINKLER SUB-CONTRACTOR TO REFER TO ARCHITECTURAL DRAWINGS FOR ALL CEILING LAY-OUT AND ARRANGEMENTS. ALL AREAS WITH CLOUD CEILINGS SHALL BE PROVIDED WITH FIRE SPRINKLERS ABOVE AND BELOW CLOUD CEILING AREAS IN ACCORDANCE WITH NFPA 13.

HAZARD CLASSIFICATION LEGEND

ALL AREAS /SPACES ARE LIGHT HAZARD IN ACCORDANCE WITH NFPA 13 UNLESS NOTED OTHERWISE.

SYMBOL	DESCRIPTION
OH1	ORDINARY HAZARD GROUP 1
OH2	ORDINARY HAZARD GROUP 2
EH1	EXTRA HAZARD GROUP 1
EH2	EXTRA HAZARD GROUP 2



FIRE SPRINKLER FLOOR PLAN

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

TRUE NORTH

LATHAN ▪ McKEE ARCHITECTS

Cafeteria Addition
Crossville High School
Dekalb County Board Of Education

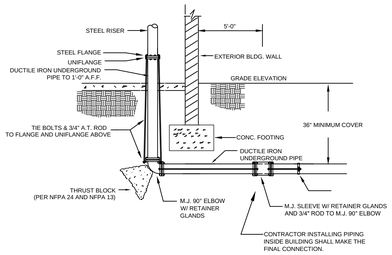
SHEET TITLE: FIRE SPTINKLER FIRST FLOOR PLAN

ALABAMA No. 25455 PROFESSIONAL ENGINEER RICHARD W. STERN 6-30-26

PROJ. MGR.: FGH
DRAWN: RS/SG
DATE: 06/30/26
REVISIONS

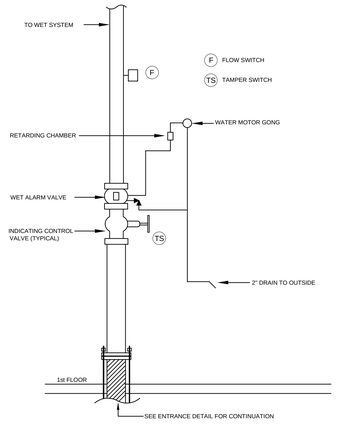
JOB NO. MKA-26-032-00
SHEET NO: FS1.1

0 1" 2"



FIRE PROTECTION ENTRANCE DETAIL

NO SCALE



FIRE SPRINKLER ZONE 1RISER DETAIL

NO SCALE

NOTE TO CONTRACTOR :

1. A LOW VOLTAGE ELECTRIC BELL TIED INTO THE ALARM SYSTEM MAY BE USED IN LIEU OF THE ALARM VALVE AND WATER MOTOR & GONG. IT IS THE RESPONSIBILITY OF THE SPRINKLER CONTRACTOR TO COORDINATE THIS CHANGE WITH ELECTRICAL / FIRE ALARM CONTRACTOR.

2. FIRE SPRINKLER SYSTEM BACKFLOW DEVICE AND FIRE DEPARTMENT CONNECTION TO BE LOCATED AT THE POINT OF CONNECTION TO THE PUBLIC WATER MAIN. SEE CIVIL DIVISION DOCUMENTS FOR EXACT LOCATION AND ARRANGEMENT. F.D.C. THREADS TO MATCH LOCAL FIRE DEPARTMENT.

3. PROVIDE MEANS FOR FORWARD FLOW TESTING (2½" HOSE VALVE - 1 PER 250 GPM DEMAND) AT SPRINKLER RISER WHERE OTHER MEANS ARE NOT PROVIDED.

GENERAL NOTES:

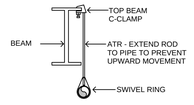
1. ALL FIRE PROTECTION STUB-INS SHALL BE 5'-0" OUTSIDE BUILDING TO 1'-0" A.F.F.
2. ALL UNDERGROUND PIPING SHALL BE INSTALLED, TESTED, AND FLUSHED PER N.F.P.A. 24 BEFORE CONNECTING TO OVERHEAD PIPING.
3. ALL MATERIALS AND INSTALLATION OF THIS AUTOMATIC SPRINKLER SYSTEM SHALL CONFORM TO N.F.P.A. 13, N.F.P.A. 101, AND/OR MANUFACTURER'S LISTING.
4. ALL OVERHEAD PIPING SHALL BE TESTED PER N.F.P.A. 13.
5. SPRINKLER SYSTEM SHALL BE PROTECTED AGAINST FREEZING.
6. LOW POINTS OF SYSTEM SHALL HAVE PROVISIONS FOR PROPER DRAINAGE.
7. ALL FERROUS - WELDED OR SEAMLESS STEEL PIPE SHALL MEET ANSI / ASTM A-53. WELDING BY CERTIFIED WELDER.
8. 24 HOUR SUPERVISION SHALL BE PROVIDED.
9. A SPARE HEAD CABINET SHALL BE PROVIDED WITH A MINIMUM OF 6 OF EACH TYPE OF SPRINKLER USED.
10. HYDRAULIC CALCULATIONS SHALL BE PERFORMED BY SPRINKLER CONTRACTOR. HYDRAULIC CALCULATIONS SHALL BE PER N.F.P.A. 13 AND BASED ON CURRENT FLOW TEST PERFORMED BY SPRINKLER CONTRACTOR.
11. CONTRACTOR SHALL VISIT SITE PRIOR TO BID TO CONDUCT & VERIFY WATER FLOW INFORMATION. CONTACT THE LOCAL WATER AUTHORITY AND/OR FIRE DEPARTMENT BEFORE PERFORMING THE TEST.
12. PLANS TO BE SUBMITTED TO STATE/LOCAL AUTHORITY, OWNER'S INSURANCE UNDERWRITER, AND ARCHITECT FOR APPROVAL.
13. SPRINKLER PIPING SHALL NOT BE ROUTED OVER ELECTRICAL PANELS OR TRANSFORMERS.
14. PROVIDE HANGERS ON ARMOVERS OVER 2'-0" LONG.
15. PROVIDE SPRINKLER HEAD GUARDS ON ALL SPRINKLERS SUBJECT TO MECHANICAL INJURY (NOTED BY H/G ON PLAN).
16. ALL SPRINKLERS SHALL BE LISTED AS QUICK RESPONSE.
17. SEISMIC BRACING: REFER TO STRUCTURAL CONTRACT DOCUMENTS FOR INFORMATION REGARDING OVERALL SEISMIC DESIGN CATEGORY FOR THE BUILDING. WHERE SEISMIC DESIGN CATEGORY IS "D", "E", OR "F", EMPLOY THE SERVICES OF AN ALABAMA REGISTERED STRUCTURAL ENGINEER TO DESIGN SEISMIC RESTRAINTS AND PROVIDE SEISMIC BRACING FOR THE SPRINKLER SYSTEM PIPING ACCORDINGLY. WHERE SEISMIC DESIGN CATEGORY IS "C", PROVIDE SEISMIC BRACING IN ACCORDANCE WITH NFPA 13 REQUIREMENTS SEISMIC BRACING IS NOT REQUIRED WHERE OVERALL SEISMIC DESIGN CATEGORY IS "A", OR "B".

SPRINKLER SYSTEM SCHEDULE

ROOM OR AREA	SYSTEM TYPE	OCCUPANCY CLASSIFICATION	DENSITY GPM/SQ.FT.	CALCULATED AREA SQ.FT.	GPM HOSE ALLOWANCE
OFFICES, DINING, CORRIDORS VESTIBULES, TOILETS, ETC.	WET PIPE	LIGHT	.10	1500	100
MECHANICAL, ELECTRICAL, JANITOR, UNASSIGNED, UNFINISHED, ETC.	WET PIPE	ORDINARY 1	.15	1500	250
STORAGE ROOMS, ETC.	WET PIPE	ORDINARY 2	.20	1500	250

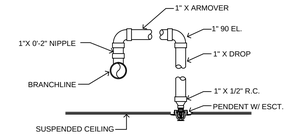
NOTES

1. ALL AREAS, INCLUDING TOILETS AND CLOSETS, SHALL BE PROTECTED PER NFPA-13 AND ALL AUTHORITIES HAVING JURISDICTION UNLESS NOTED.
2. EXACT LOCATION OF SPRINKLERS AND PIPING SHALL BE COORDINATED WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, AND OTHER TRADES BY SPRINKLER CONTRACTOR.
3. PIPE SIZES SHALL BE PER SPRINKLER CONTRACTOR HYDRAULIC CALCULATIONS.
4. ALL PIPING SHALL BE CONCEALED ABOVE CEILINGS, IN WALLS, AND IN PIPE CHASES. EXPOSED PIPING PERMITTED ONLY IN MECHANICAL ROOMS, OR EQUIVALENT SPACES WITHOUT DROP CEILINGS. EXPOSED PIPING IN PUBLIC SPACES SHALL BE PAINTED. COLOR TO BE SPECIFIED BY OWNER.
5. ALL FIRE SPRINKLER PIPING SHALL BE ROUTED DURING DESIGN ONLY AFTER COORDINATION WITH ARCHITECT, GENERAL CONTRACTOR, AND ALL OTHER SUB-CONTRACTORS.
6. ALL DRY SYSTEM PIPING AND FITTINGS TO BE HOT-DIPPED GALVANIZED.



HANGER DETAIL

NO SCALE



TYP. RETURN BEND ASSEMBLY

NO SCALE

NOTE : ALL SPRINKLERS IN LAY-IN CEILINGS TO BE CENTERED BOTH WAYS

LATHAN ▪ McKEE ARCHITECTS

Cafeteria Addition @ Crossville High School
Dekalb County Board Of Education

SHEET TITLE: FIRE SPTINKLER NOTES & DETAILS

ALABAMA No. 25455 PROFESSIONAL ENGINEER RICHARD W. STERN 6-30-26

PROJ. MGR.:	FGH
DRAWN:	RS/SG
DATE:	06/30/26
REVISIONS	

JOB NO. MKA-26-032-00

SHEET NO: FS2.1

0 1" 2"

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	WASHING MACHINE BOX	2"	1/2"	1/2"	W/ INTEGRAL SHOCK ARRESTER
P8	CAN WASH	AD	1/2"	1/2"	-
T.P.	TRAP PRIMER	---	1/2"	---	CONNECT TO FLOOR DRAIN AS SPECIFIED

** PROVIDE A WATER TEMPERATURE LIMITING DEVICE (ASSE 1070 MIXING VALVE) WITH 1/2" TEMPERED WATER LINE TO FAUCET - SEE SPECS FOR REQUIREMENTS

GENERAL PLUMBING NOTES

1. PROPRESS OR SIMILAR TYPE JOINTS AND FITTINGS ARE NOT ALLOWED.
2. THE PLUMBING CONTRACTOR MUST NOT INSTALL THE PIPING INSULATION. ALL PIPING INSULATION WORK MUST BE PROVIDED BY AN INDEPENDENT THIRD PARTY LICENSED AND EXPERIENCED INSULATION SUBCONTRACTOR WHOSE PRIMARY BUSINESS IS THE SALE AND INSTALLATION OF INSULATION MATERIALS IN ACCORDANCE WITH INSULATION MANUFACTURERS' REQUIREMENTS AND THE SPECIFICATIONS.
3. ROUGH-IN WATER CLOSET AND URINAL FLUSH VALVE SO THAT THE FLUSH TUBE IS VERTICALLY STRAIGHT.
4. ADA FIXTURES AND INSTALLATION MUST COMPLY WITH CURRENT ADA STANDARDS FOR ACCESSIBLE DESIGN.
5. FLUSH VALVE HANDLE FOR ALL ADA MANUAL FLUSH WATER CLOSETS MUST BE LOCATED ON THE WIDE SIDE OF THE TOILET STALL AS REQUIRED BY CURRENT ADA STANDARDS FOR ACCESSIBLE DESIGN.
6. 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.
7. PROVIDE A CAST IRON DEEP SEAL P-TRAP FOR EACH FLOOR DRAIN AND HUB DRAIN WITH TRAP PRIMER AS SPECIFIED.
8. ROUTE ALL OVERHEAD WATER PIPING AND WATER PIPING WITHIN NON-MASONRY WALLS WITHIN THE BUILDING INSULATION ENVELOPE. OVERHEAD PIPING MUST BE LOCATED BETWEEN THE ARCHITECTURAL AIR BARRIER LOCATED AT THE BOTTOM OF THE OVERHEAD STRUCTURE AND THE FINISHED CEILING. DO NOT ROUTE OVERHEAD WATER PIPING IN THE ATTIC WHEN IT CAN BE ROUTED BETWEEN THE ARCHITECTURAL AIR BARRIER AND THE FINISHED CEILING.
9. ALL WATER PIPING INSTALLED AT BUILDING PERIMETER STUD WALLS MUST BE LOCATED ON THE INTERIOR (WARM) SIDE OF THE BUILDING EXTERIOR WALL INSULATION.
10. ALL WATER PIPING SHOWN TO BE IN EXTERIOR PERIMETER MASONRY WALLS MUST BE LOCATED WITHIN THE RESPECTIVE UNFILLED MASONRY BLOCK CELLS. DO NOT INSTALL WATER PIPING WHERE THE STRUCTURAL OR ARCHITECTURAL PLANS INDICATE THE MASONRY TO BE FILLED WITH CONCRETE.
11. PROVIDE VALVE(S) WITH HOSE END VALVES AS REQUIRED TO ALLOW FOR DRAINAGE OF ALL RISERS AND OTHER SYSTEM LOW POINTS.
12. 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.
13. ALL PIPING AND FITTINGS ROUTED IN/THROUGH RETURN AIR PLENUMS & RETURN AIR PLATFORMS, OR WITHIN FIRE RATED PARTITIONS AND ENCLOSURES MUST BE CAST IRON, PVDF (FOR WASTE PIPING) OR COPPER FOR WATER PIPING. SEE SPECS.
14. PLUMBING VENTS MUST TERMINATE A MINIMUM OF 10'-0" HORIZONTALLY FROM ALL ROOF MOUNTED HVAC OUTSIDE AIR INTAKES.
15. PROVIDE A READILY ACCESSIBLE CLEANOUT AT OR NEAR THE BASE OF EACH WASTE AND VENT STACK PER INTERNATIONAL PLUMBING CODE AND THE SPECIFICATIONS. CLEANOUTS MUST BE HIGH ENOUGH TO CLEAR THE TILE BASE WITHOUT CUTTING OF THE BASE AND MUST BE LOCATED WITHIN THE SPECIFIED PIPING ENCLOSURE FOR ALL WALL MOUNTED LAVATORIES AND WALL MOUNTED HAND SINKS WHEN POSSIBLE.
16. LOCATE CLEANOUTS 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.
17. EXTREME CARE MUST BE TAKEN WHEN ROUGHING IN CLEANOUTS AT EACH WALL MOUNTED LAVATORY AND HAND SINK. CLEANOUTS MUST BE LOCATED WITHIN THE SPECIFIED LAV. SHIELD PIPING COVER WHENEVER POSSIBLE.
18. ALL CLEANOUTS MUST BE ROUGHED IN HIGH ENOUGH TO CLEAR THE ARCHITECTURAL BASE MOLDING WITHOUT CUTTING THE BASE MOLDING.
19. 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.
20. PROVIDE A BALL VALVE ON ONE SIDE OF EVERY DIELECTRIC UNION AS REQUIRED TO FACILITATE ITS REMOVAL.
21. TOPS OF ALL OUTSIDE CLEANOUTS MUST BE FLAT AND BROUGHT TO GRADE AND FINISHED FLUSH IN 12x12x12 CONCRETE PAD. SEE DETAIL.
22. ALL WALL HYDRANTS MUST BE LOCATED 32" TO THE BOTTOM OF THE WALL HYDRANT ENCLOSURE (NOT THE EXTERIOR PERIMETER FLANGE). COORDINATE FINAL HEIGHT OF INDOOR WALL HYDRANTS WITH ARCHITECTURAL CABINET PLANS PRIOR TO ROUGHING IN. DO NOT LOCATE WITHIN A CABINET UNLESS DIRECTED BY THE ARCHITECT.
23. WATER HAMMER ARRESTORS MUST 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.
24. ALL HUB DRAINS THAT RISE THROUGH RETURN AIR PLATFORMS MUST BE INSULATED CAST IRON OR PVDF AND TERMINATED 8" ABOVE THE RETURN AIR PLATFORM AND SEALED AIR TIGHT. DO NOT USE PVC PIPING IN THE RETURN AIR PLATFORM. COORDINATE PIPING LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
25. ALL PIPING WITH VALVES AND OTHER ITEMS THAT MAY REQUIRE MAINTENANCE, SERVICE OR REPLACEMENT, MUST BE LOCATED NO MORE THAN 12" 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.
26. IPC 704.1 REQUIRES ALL DRAINAGE PIPING UPSTREAM OF A GREASE INTERCEPTOR TO BE SLOPED AT 1/4" PER FOOT (2% SLOPE).
27. DEMOLISH ALL EXISTING WALLS AS REQUIRED TO INSTALL NEW ITEMS AS SHOWN AND/OR SPECIFIED. RECONSTRUCTION AND REPAIR OF DEMOLISHED WALLS MUST BE AS DIRECTED BY THE ARCHITECT. COORDINATE DEMOLITION AND REPAIRING/REBUILDING OF EXISTING WALLS WITH GENERAL CONTRACTOR PRIOR TO BID TO ALLOW FOR INSTALLATION OF CARRIERS, FIXTURES, PIPING, ETC. AS REQUIRED AND AS APPLICABLE.

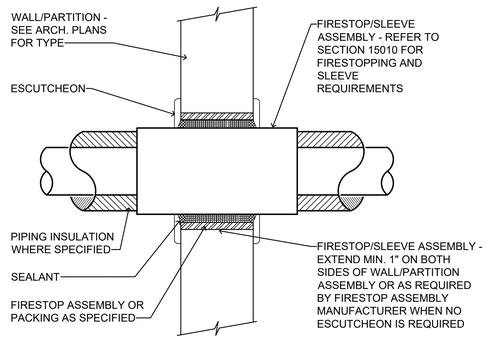
LEGEND

	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
I.W.H.	INTERIOR WALL HYDRANT
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..

FOOD SERVICE PLUMBING SCHEDULE

NO.	FIXTURE	WASTE	C.W.	H.W.	REMARKS
K-7	WASHER	3"	1/2"	1/2"	FSC (FOOD SERVICE CONTRACTOR)
K-9.1	SERVICE SINK FAUCETS	3"	3/4"	3/4"	FSC (FOOD SERVICE CONTRACTOR)
K-20 / 20.1	TWO COMPARTMENT SINK	FS	3/4"	3/4"	FSC (FOOD SERVICE CONTRACTOR)
K-22	DISPOSER	2"	1/2"	---	FSC (FOOD SERVICE CONTRACTOR)
K-23 / 23.1	ONE COMPARTMENT SINK	F.S.	1/2"	1/2"	FSC (FOOD SERVICE CONTRACTOR)
K-25	HAND SINK **	1 1/2"	1/2"	1/2"	FSC (FOOD SERVICE CONTRACTOR)
K-29	HOT WATER DISPENSER	F.S.	1/2"	---	FSC (FOOD SERVICE CONTRACTOR)
K-41.1	UTILITY DISTRABUTION SYSTEM (UDS)	TD	3/4"	3/4"	(1,700,000 BTU/HR) FSC (FOOD SERVICE CONTRACTOR)
K-72	ICE MACHINE	F.S.	1/2"	---	FSC (FOOD SERVICE CONTRACTOR)
K-74	ICE MACHINE W/ DISPENSER & WATER	F.S.	1/2"	---	FSC (FOOD SERVICE CONTRACTOR)
K-77 / 77.1	SOILED DISHTABLE	F.S.	1/2"	1/2"	FSC (FOOD SERVICE CONTRACTOR)
K-78	HOSE REEL	---	1/2"	1/2"	FSC (FOOD SERVICE CONTRACTOR)
K-79	DISPOSER	---	1/2"	---	FSC (FOOD SERVICE CONTRACTOR)
K-80	DISH MACHINE	F.S.	1/2"	1/2"	FSC (FOOD SERVICE CONTRACTOR)
K-84	SINK HEATER	---	---	1/2"	FSC (FOOD SERVICE CONTRACTOR)
K-85/86	THREE COMPARTMENT SINK	---	---	1/2"	FSC (FOOD SERVICE CONTRACTOR)

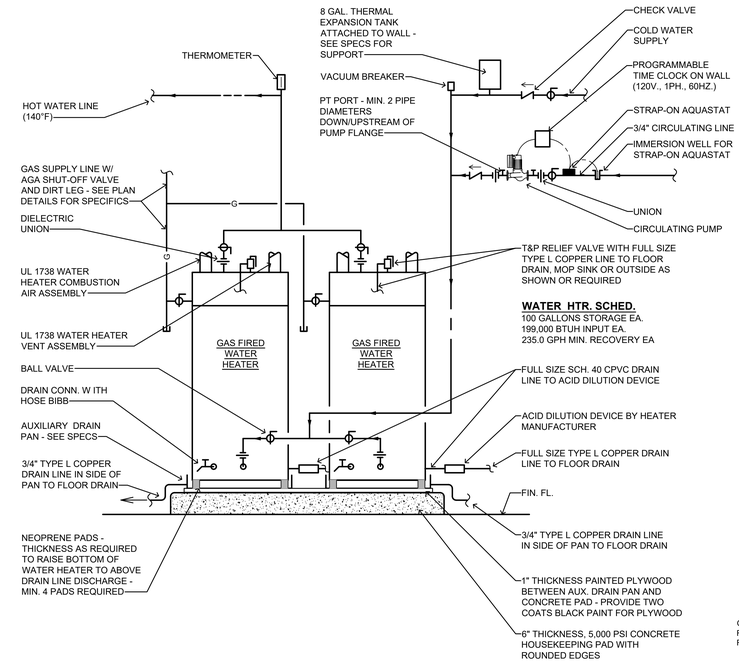
** PROVIDE A WATER TEMPERATURE LIMITING DEVICE (ASSE 1070 MIXING VALVE) WITH 1/2" TEMPERED WATER LINE TO FAUCET - SEE SPECS FOR REQUIREMENTS



INTERIOR WALL PIPING PENETRATION DETAIL

NOT TO SCALE

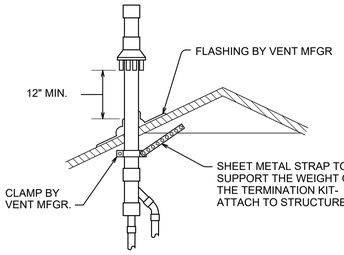
NOTES:
1. SEE SPEC SECTION 15010 FOR FIRESTOP AND SLEEVE REQUIREMENTS
2. DETAIL APPLIES TO ALL PIPING.
3. ONLY ONE PIPE PER ASSEMBLY ALLOWED.
4. WHERE PIPING IS EXPOSED IN FINISHED AREAS, PROVIDE ESCUTCHEONS OVER PENETRATIONS AND DELETE REQUIREMENT FOR EXTENDING OF THE SLEEVE/FIRESTOP ASSEMBLY 1" ON EACH SIDE OF THE PARTITION. TERMINATE FLUSH WITH WALL. DO NOT USE SPLIT TYPE ESCUTCHEONS NOR SPLIT TYPE SLEEVES.



WATER HEATER PIPING CONN. DETAIL

NO SCALE

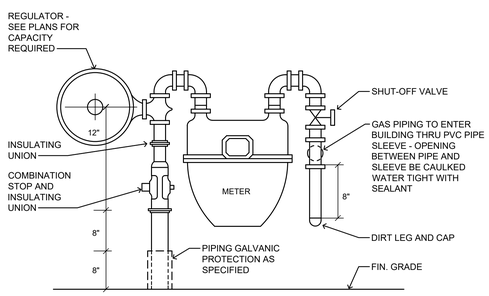
NOTES:
1. PROVIDE ACID DILUTION DEVICE FOR EACH WATER HEATER COMBUSTION CHAMBER CONDENSATE IF NOT PROVIDED INTERNALLY BY THE WATER HEATER MANUFACTURER.
2. AUXILIARY PAN SHALL NOT BE IN CONTACT WITH CONCRETE.
3. THE ENTIRE VENT / COMBUSTION AIR ASSEMBLY SHALL BE U.L. 1738 LISTED - SEE SPECS.
4. EACH WATER HEATER SHALL BE PROVIDED WITH ITS OWN COMBUSTION AIR / VENT ASSEMBLY. DO NOT COMBINE.
5. DO NOT COMBINE RELIEF VALVE DISCHARGE LINE WITH AUXILIARY PAN LINE - PIPE SEPARATELY.
6. SEE PLAN DETAILS FOR VENT / COMBUSTION AIR ASSEMBLY DETAILS



CONDENSING TYPE WATER HEATER VENT DETAIL

NO SCALE

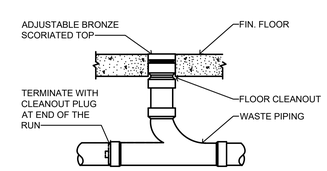
NOTES:
1. THE ENTIRE ASSEMBLY SHALL BE U.L. 1738 LISTED - SEE SPECS.
2. DETAIL SHOWS INTENT FOR THE INSTALLED ASSEMBLY. CONTRACTOR SHALL OBTAIN THE WATER HEATER AND THE VENT ASSEMBLY MANUFACTURERS' REQUIRED INSTALLATION DIAGRAMS. CONTRACTOR SHALL SUBMIT FOR REVIEW, A SHOP DRAWING APPROVED BY THE WATER HEATER AND THE VENT MANUFACTURER BEFORE INSTALLING THE VENT ASSEMBLY.
3. PROVIDE ONE ASSEMBLY FOR EACH GAS FIRED PIECE OF EQUIPMENT. DO NOT COMBINE MULTIPLE VENTS INTO A SINGLE VENT.
4. DETAIL IS FOR A SLOPED ROOF. FLAT ROOF REQUIREMENTS ARE SIMILAR.
5. INSULATE THE PRODUCTS OF COMBUSTION (EXHAUST) PORTION OF VENT - SEE SPECS FOR REQUIREMENTS. COMBUSTION AIR (INTAKE) PORTION OF VENT ASSEMBLY DOES NOT REQUIRE INSULATION



TYPICAL GAS METER PIPING DETAIL

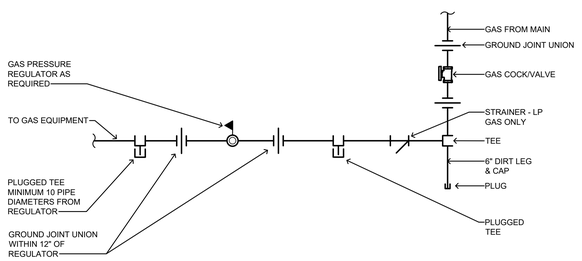
NO SCALE

NOTES:
1. GAS METER, REGULATOR AND UPSTREAM PIPING BY LOCAL GAS COMPANY. COORDINATE AND PAY ALL COSTS WITH SERVICE AND INSTALLATION.
2. PROVIDE GROUNDING OF THE NATURAL GAS SYSTEM AS SPECIFIED IN SECTION 15400, PART NATURAL GAS DISTRIBUTION SYSTEM
3. REMOVE ALL RUST FROM PIPING THEN, PRIME AND PAINT AS SPECIFIED.
4. SEE PLANS FOR CAPACITY REQUIRED AND RELATED PIPE SIZES



TYP. INTERIOR FLOOR CLEANOUT DETAIL

NO SCALE



TYPICAL 2 PSI NAT. GAS / LP GAS PIPING CONNECTION DETAIL

NOT TO SCALE

1. PROVIDE ASSEMBLY FOR EACH PIECE OF GAS FIRED EQUIPMENT/APPLIANCE.
2. GAS PIPING TO BE RAISED AS REQUIRED TO PROVIDE FOR EASY REMOVAL AND CLEANING OF DIRT LEG. COORDINATE WITH MECHANICAL AND GENERAL CONTRACTOR PRIOR TO THE SETTING OF ROOF CURBS AND SETTING UNITS IN PLACE ON CONCRETE PADS.
3. LINE GAS PRESSURE REGULATORS MUST BE LISTED AS COMPLYING WITH ANSI Z21.80/CSA 6.22.

LATHAN ▪ McKEE ARCHITECTS

Cafeteria Addition at Crossville High School for Dekalb County Board Of Education

SHEET TITLE: PLBG. SCHEDULES AND DETAILS

PROJ. MGR.:	T. ZGOUVAS
DRAWN:	C. WARD
DATE:	07.02.2026
REVISIONS	

JOB NO. MKA-26-032-00

SHEET NO: P1.1

0 1" 2"

ZGOUVAS, EIRING & ASSOCIATES
CONSULTING ENGINEERS
800 S McDONOUGH STREET
MONTGOMERY, AL. 36104
334.263.4406
ZEA PROJECT NUMBER 26-79

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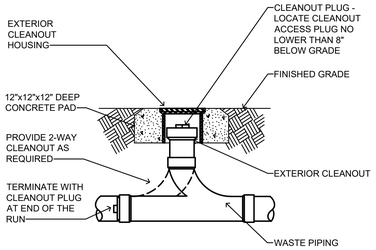
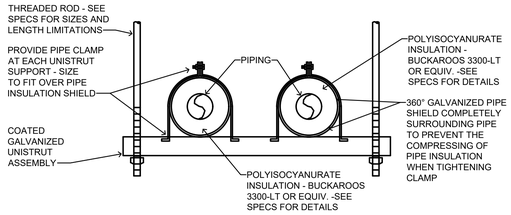


TYP. EXTERIOR CLEANOUT DETAIL

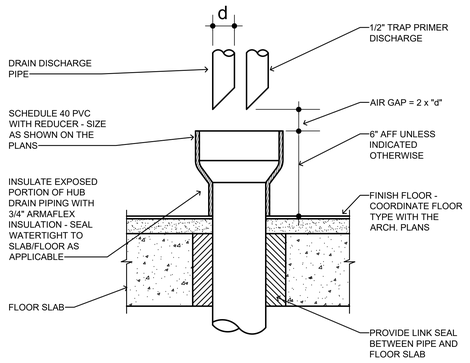
NO SCALE



TYPICAL MULTIPLE PIPES HANGER DETAIL

NO SCALE

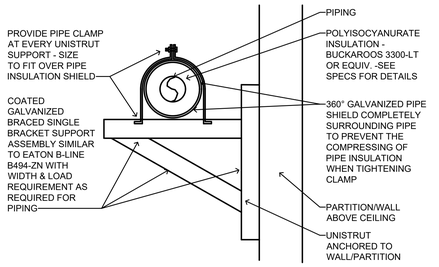
NOTES:
1. HANGER SPACING TO BE AS SPECIFIED
2. MANUFACTURER'S SADDLE LABEL WITH LOGO STICKER MUST BE APPLIED TO EACH SADDLE AND MUST BE VISIBLE FOR VERIFICATION OF PROPER INSTALLATION
3. REFER TO THE SPECIFICATIONS FOR COATING REQUIREMENTS

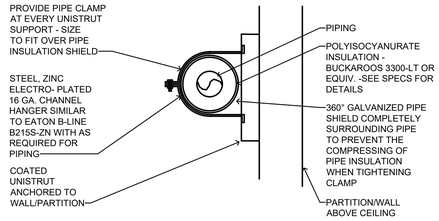


HUB DRAIN DETAIL

NO SCALE

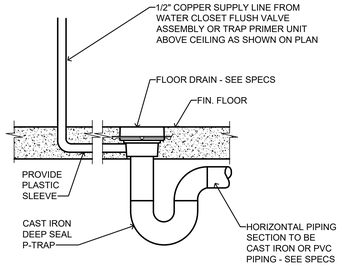
DETAIL IS FOR FLOOR PENETRATION. WHERE HUB DRAINS ARE ROUTED THROUGH A RETURN AIR PLATFORM, HUB DRAIN MUST BE CAST IRON AND COMPLETELY INSULATED AND SEALED AIRTIGHT TO THE SLAB





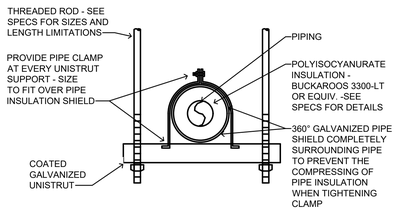
TYPICAL HORIZONTAL/VERTICAL UNISTRUT PIPING SUPPORT DETAIL AT ABOVE CEILING PARTITION

NOTES:
1. MULTIPLE PIPES SIMILAR.
2. SUPPORT SPACING MUST BE AS SPECIFIED FOR UNISTRUT ASSEMBLIES.
3. MANUFACTURER'S SADDLE LABEL WITH LOGO STICKER MUST BE APPLIED TO EACH SADDLE AND MUST BE VISIBLE FOR VERIFICATION OF PROPER INSTALLATION.
4. TYPICAL UNISTRUT AND HANGER DETAILS INDICATED ARE PREFERRED. THIS DETAIL IS REQUIRED FOR PIPING SUPPORTS WHEN HANGER RODS EXCEED 36" TO STRUCTURE ABOVE CEILING.
5. COORDINATE UNISTRUT ATTACHMENTS/ANCHORS TO WALL WITH ARCHITECT'S SPECIFICATIONS FOR TYPE OF WALL INSTALLED AND PROVIDE ANCHORS/ATTACHMENTS AS REQUIRED.
6. REFER TO THE SPECIFICATIONS FOR COATINGS REQUIRED.



FLOOR DRAIN/TRAP PRIMER DETAIL

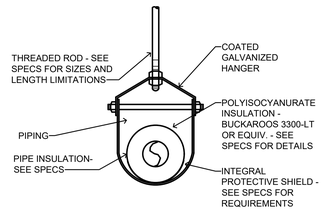
NO SCALE
HUB DRAIN CONNECTIONS SIMILAR



TYPICAL UNISTRUT HANGER DETAIL

NO SCALE

NOTES:
1. HANGER SPACING TO BE AS SPECIFIED.
2. MANUFACTURER'S SADDLE LABEL WITH LOGO STICKER MUST BE APPLIED TO EACH SADDLE AND MUST BE VISIBLE FOR VERIFICATION OF PROPER INSTALLATION.
3. REFER TO THE SPECIFICATIONS FOR COATING REQUIREMENTS



TYPICAL PIPE HANGER DETAIL

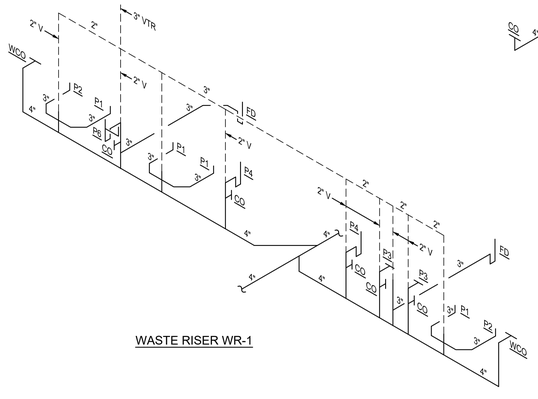
NO SCALE

NOTES:
1. HANGER SPACING TO BE AS SPECIFIED.
2. MANUFACTURER'S SADDLE LABEL WITH LOGO STICKER MUST BE APPLIED TO EACH SADDLE AND MUST BE VISIBLE FOR VERIFICATION OF PROPER INSTALLATION.
3. REFER TO THE SPECIFICATIONS FOR COATING REQUIREMENTS.

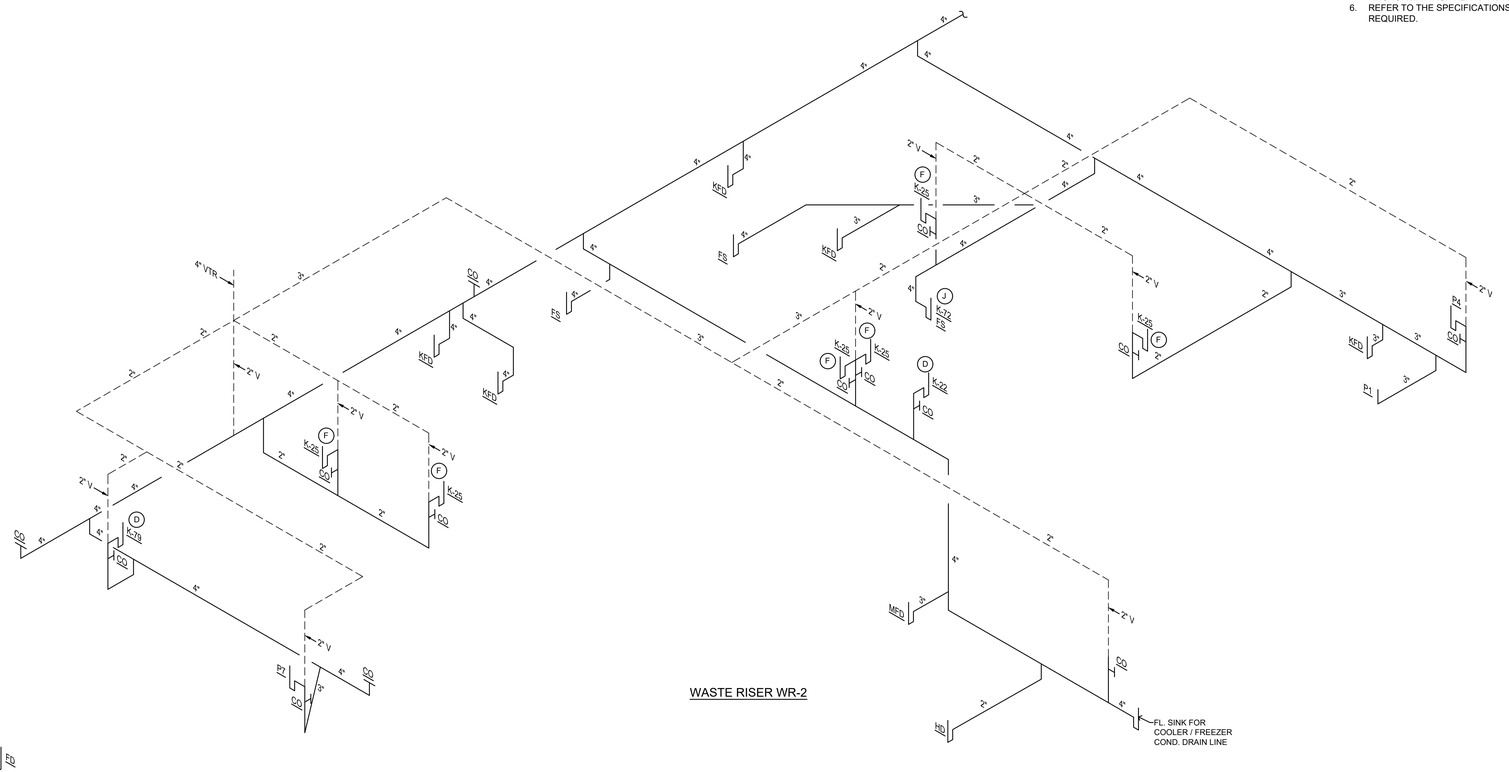
DETAIL OF TMV BELOW LAVATORY

NO SCALE

DETAIL DOES NOT APPLY TO TANKLESS WATER HEATERS WHERE SPECIFIED - TANKLESS WATER HEATERS ARE SPECIFIED WITH INTEGRAL ASSE 1070 MIXING VALVE



WASTE RISER WR-1



WASTE RISER WR-2

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LATHAN ▪ McKEE ARCHITECTS

Cafeteria Addition at Crossville High School for Dekalb County Board Of Education

SHEET TITLE: P.L.B.G. DETAILS

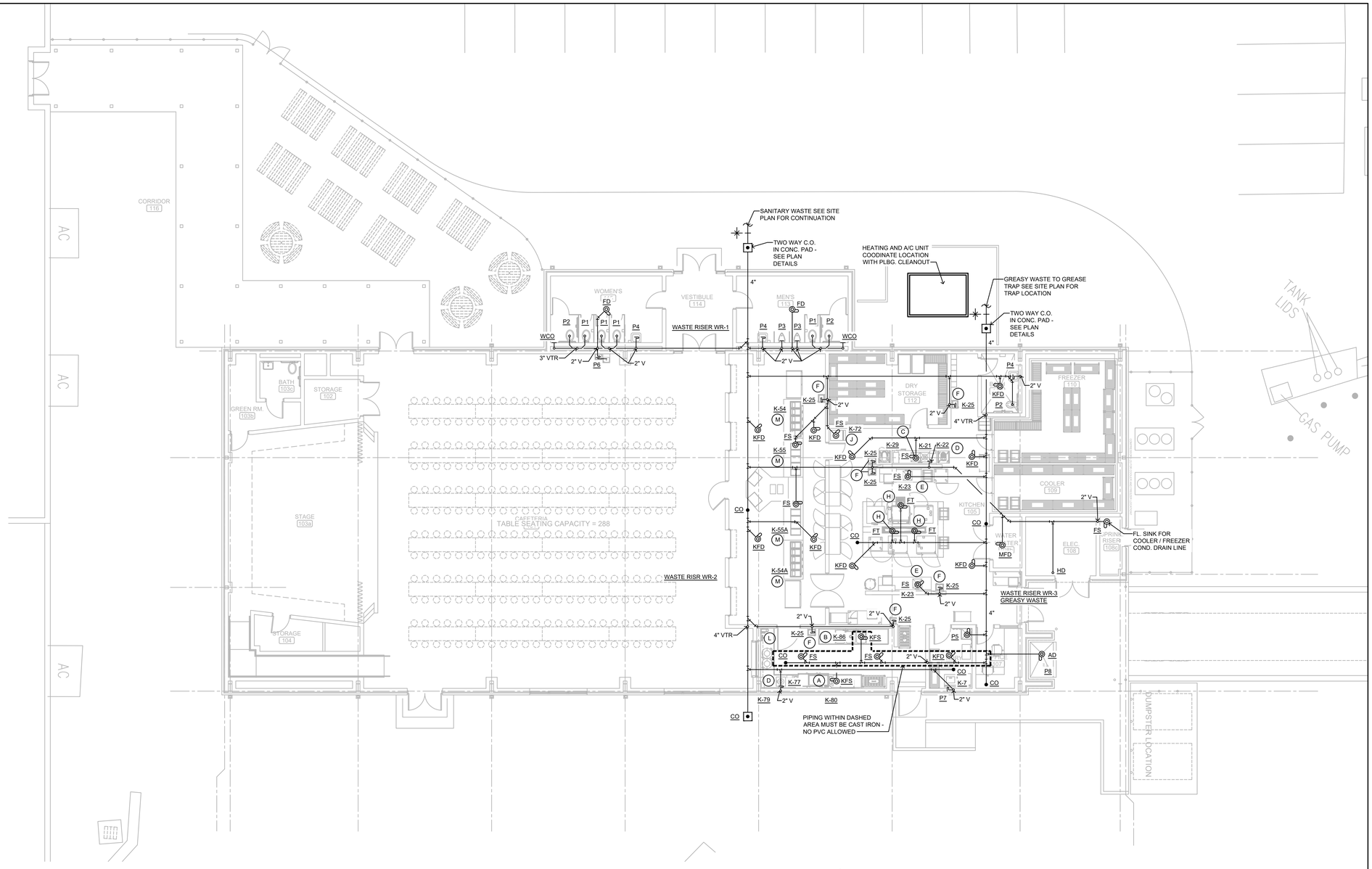
JOSEPH R. EIRING — No. 23369 — PROFESSIONAL ENGINEER — 07.02.26

PROJ. MGR.:	T. ZGOUVAS
DRAWN:	C. WARD
DATE:	07.02.2026
REVISIONS	

JOB NO. MKA-26-032-00

SHEET NO: P1.2

0 1" 2"



SHOWING WASTE PIPING

PLBG. FLOOR PLAN

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

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

ZGOUVAS, EIRING & ASSOCIATES
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LATHAN ▪ McKEE ARCHITECTS

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE:
PLBG. FLOOR PLAN - SHOWING WASTE PIPING

ALABAMA LICENSED No. 23369 PROFESSIONAL 07.02.26 ENGINEER T. ZGOUVAS EIRING

PROJ. MGR.:	T. ZGOUVAS
DRAWN:	C. WARD
DATE:	07.02.2026
REVISIONS	

JOB NO.
MKA-26-032-00

SHEET NO:
P2.1

0 1" 2"

SHOWING PRESSURE PIPING

GENRATOR GAS PIPING PLAN

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

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

NOTE:
SEE SITE PLAN FOR GENERATOR LOCATION

2ND LOCKABLE GAS VALVE IF REQUIRED BY LOCAL AHJ

GAS METER
INLET PRESS: VERIFY REQUIRED OUTLET PRESS: 3.5 - 14" W.C.
FLOW: 972 CFH
LONGEST RUN: 25 FT.

1-1/2"

LOCKABLE GAS SHUTOFF VALVE WITHIN 6'-0" OF CONNECTION TO THE GENERATOR

GAS PIPING SUPPORTS SEE SPECS

NATURAL GAS FIRED GENERATOR SEE SITE PLAN FOR LOCATION

1-1/2" WELDED GAS PIPING - CONN. TO EMERGENCY GENERATOR AS RECOMMENDED BY THE GENERATOR MFGR. - PROVIDE REGULATOR AS REQUIRED MINIMUM 3.5 TO 14.0" W.C. AT REQUIRED 972 CFH FLOW - COORDINATE REGULATOR AND GAS PRESSURE REQUIREMENT WITH GENERATOR MFGR. PRIOR TO ORDERING/INSTALLING REGULATOR AND PROVIDE AS REQUIRED

EMERGENCY GENERATOR FUEL PIPING NOTES

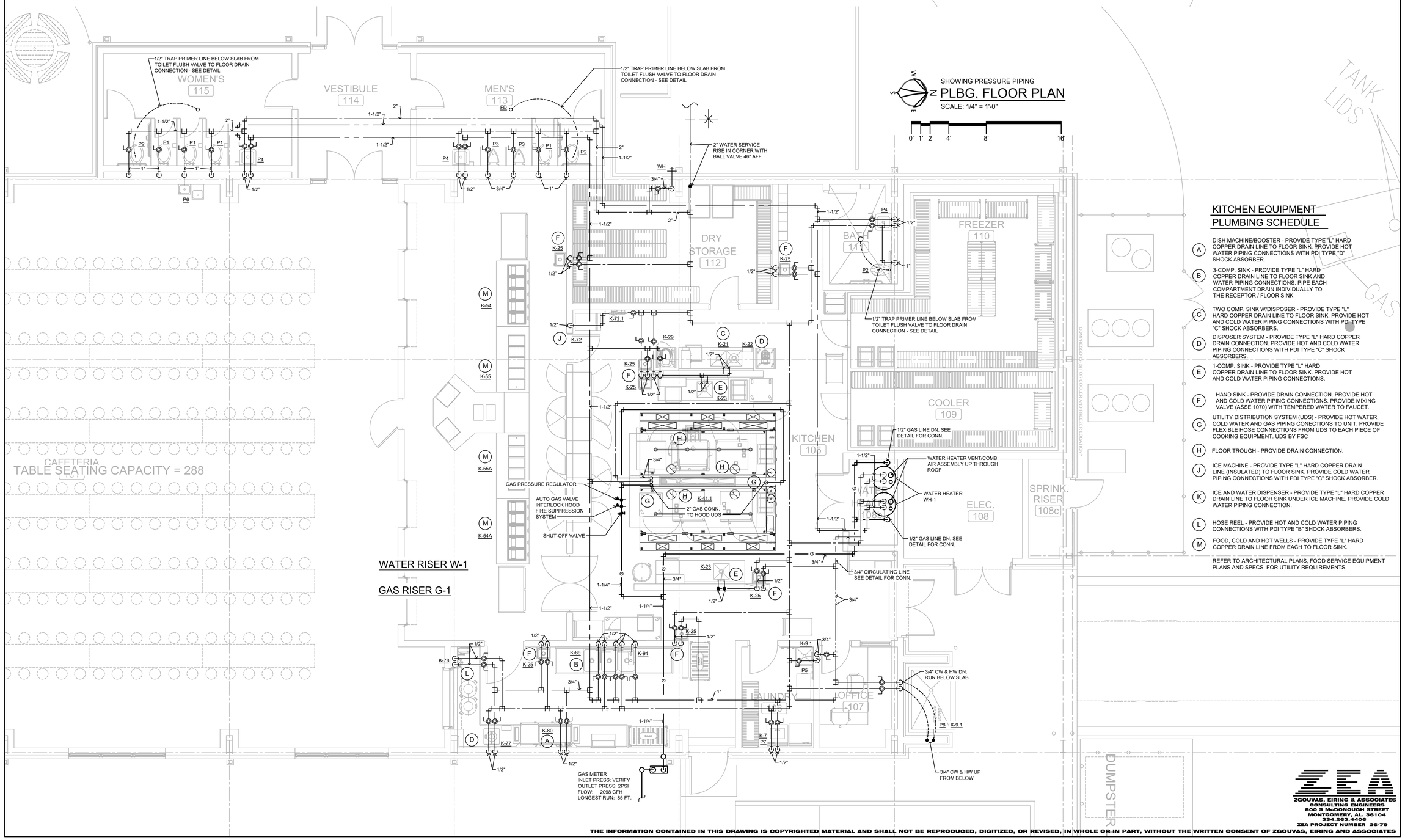
1. PROVIDE DEDICATED GAS SUPPLY LINE FROM GAS METER TO EMERGENCY GENERATOR WITH GAS PRESSURE REGULATOR AND SHUTOFF VALVES.
2. PROVIDE A PADLOCK SHUT-OFF VALVE AT THE METER AND AT THE GENERATOR WITH BOTH LOCKS KEYED TO THE SAME KEY. COORDINATE REQUIREMENT WITH THE AUTHORITY HAVING JURISDICTION AND PROVIDE AS REQUIRED. AT A MINIMUM PROVIDE ONE AT GENERATOR.
3. TURN KEYS OVER TO THE OWNER ON SITE. KEYS TO HAVE ENGRAVED RED LABEL WITH WHITE LETTERING READING, "*EMERGENCY GENERATOR GAS SHUTOFF VALVES.*"
4. LABEL GAS PIPING SERVING THE GENERATOR EVERY 6'-0" WITH FACTORY FABRICATED CUSTOM LABELS READING "*LIFE SAFETY EMERGENCY GENERATOR GAS PIPING. DO NOT SHUT-OFF WITHOUT APPROVAL FROM THE PROPER AUTHORITIES.*".
5. REFER TO SECTION 15010 FOR ENGRAVED MATERIALS TYPE REQUIRED AND PIPING IDENTIFICATION REQUIRED.

SHOWING PRESSURE PIPING

PLBG. FLOOR PLAN

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

0' 1' 2 4' 8' 16'



KITCHEN EQUIPMENT PLUMBING SCHEDULE

- (A) DISH MACHINE/BOOSTER - PROVIDE TYPE "L" HARD COPPER DRAIN LINE TO FLOOR SINK. PROVIDE HOT WATER PIPING CONNECTIONS WITH PDI TYPE "D" SHOCK ABSORBER.
- (B) 3-COMP. SINK - PROVIDE TYPE "L" HARD COPPER DRAIN LINE TO FLOOR SINK AND WATER PIPING CONNECTIONS. PIPE EACH COMPARTMENT DRAIN INDIVIDUALLY TO THE RECEPTOR / FLOOR SINK
- (C) TWO COMP. SINK W/DISPOSER - PROVIDE TYPE "L" HARD COPPER DRAIN LINE TO FLOOR SINK. PROVIDE HOT AND COLD WATER PIPING CONNECTIONS WITH PDI TYPE "C" SHOCK ABSORBERS.
- (D) DISPOSER SYSTEM - PROVIDE TYPE "L" HARD COPPER DRAIN CONNECTION. PROVIDE HOT AND COLD WATER PIPING CONNECTIONS WITH PDI TYPE "C" SHOCK ABSORBERS.
- (E) 1-COMP. SINK - PROVIDE TYPE "L" HARD COPPER DRAIN LINE TO FLOOR SINK. PROVIDE HOT AND COLD WATER PIPING CONNECTIONS.
- (F) HAND SINK - PROVIDE DRAIN CONNECTION. PROVIDE HOT AND COLD WATER PIPING CONNECTIONS. PROVIDE MIXING VALVE (ASSE 1070) WITH TEMPERED WATER TO FAUCET.
- (G) UTILITY DISTRIBUTION SYSTEM (UDS) - PROVIDE HOT WATER, COLD WATER AND GAS PIPING CONECTIONS TO UNIT. PROVIDE FLEXIBLE HOSE CONNECTIONS FROM UDS TO EACH PIECE OF COOKING EQUIPMENT. UDS BY FSC
- (H) FLOOR TROUGH - PROVIDE DRAIN CONNECTION.
- (J) ICE MACHINE - PROVIDE TYPE "L" HARD COPPER DRAIN LINE (INSULATED) TO FLOOR SINK. PROVIDE COLD WATER PIPING CONNECTIONS WITH PDI TYPE "C" SHOCK ABSORBER.
- (K) ICE AND WATER DISPENSER - PROVIDE TYPE "L" HARD COPPER DRAIN LINE TO FLOOR SINK UNDER ICE MACHINE. PROVIDE COLD WATER PIPING CONNECTION.
- (L) HOSE REEL - PROVIDE HOT AND COLD WATER PIPING CONNECTIONS WITH PDI TYPE "B" SHOCK ABSORBERS.
- (M) FOOD, COLD AND HOT WELLS - PROVIDE TYPE "L" HARD COPPER DRAIN LINE FROM EACH TO FLOOR SINK.

REFER TO ARCHITECTURAL PLANS, FOOD SERVICE EQUIPMENT PLANS AND SPECS. FOR UTILITY REQUIREMENTS.

ZGOUVAS, EIRING & ASSOCIATES
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ZEA PROJECT NUMBER 26-79

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LATHAN ▪ McKEE ARCHITECTS

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE:
PLBG PLAN - SHOWING WATER PIPING

ALABAMA REGISTERED No. 23369 PROFESSIONAL ENGINEER 07.02.26

PROJ. MGR.:	T. ZGOUVAS
DRAWN:	C. WARD
DATE:	07.02.2026
REVISIONS	

JOB NO.
MKA-26-032-00

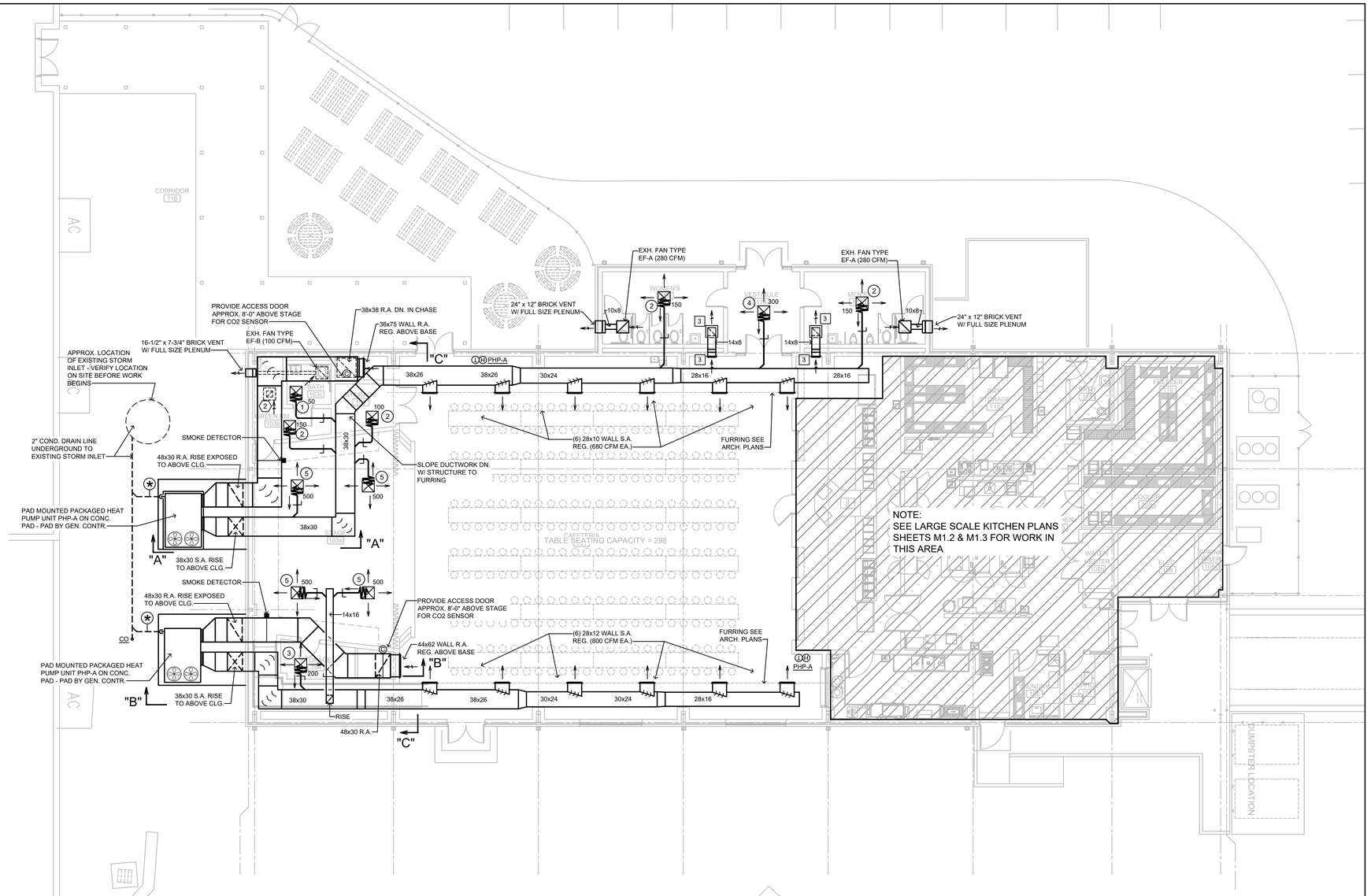
SHEET NO:
P2.2

0 1" 2"

LEGEND

- BAROMETRIC DAMPER
- MANUAL VOLUME DAMPER (MVD)
- MOTORIZED DAMPER (MD)
- SMOKE DETECTOR
- DUCT MOUNTED C02 SENSOR
- WALL S.A. REGISTER WITH EXTRACTOR
- DENOTES LOCATION OF VERTICAL ACTION FIRE DAMPER
- DENOTES LOCATION OF HORIZONTAL ACTION FIRE DAMPER
- CEILING DIFFUSER
- RETURN AIR GRILLE/REGISTER
  EXHAUST AIR GRILLE/REGISTER
- (4) CEILING DIFFUSER DESIGNATOR
- (4) RETURN AIR GRILLE/REGISTER
- [4] EXHAUST AIR GRILLE/REGISTER
- 12x12 DUCT W/ RECTANGULAR SIZE
- RECTANGULAR SUPPLY DUCT TURNING UP
- RECTANGULAR SUPPLY AIR DUCT TURNING DOWN
- RECTANGULAR RETURN AIR OR EXHAUST DUCT TURNING UP
- RECTANGULAR RETURN AIR OR EXHAUST DUCT TURNING DOWN

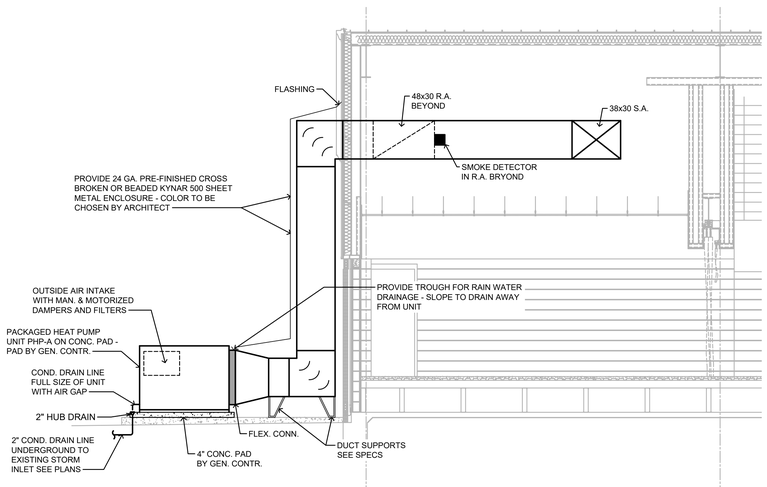
AD	AUXILIARY DRAIN
(T)	THERMOSTAT
(S)	REMOTE TEMPERATURE SENSOR
(H)	HUMIDISTAT
(C)	CO2 SENSOR
A.F.F.	ABOVE FINISH FLOOR
C.D.	CEILING DIFFUSER
CLG.	CEILING OR COOLING
CONN.	CONNECT OR CONNECTION
F.D.	FIRE DAMPER
G.C.	GENERAL CONTRACTOR
O.A.	OUTSIDE AIR
R.A.	RETURN AIR
S.A.	SUPPLY AIR



HVAC FLOOR PLAN

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

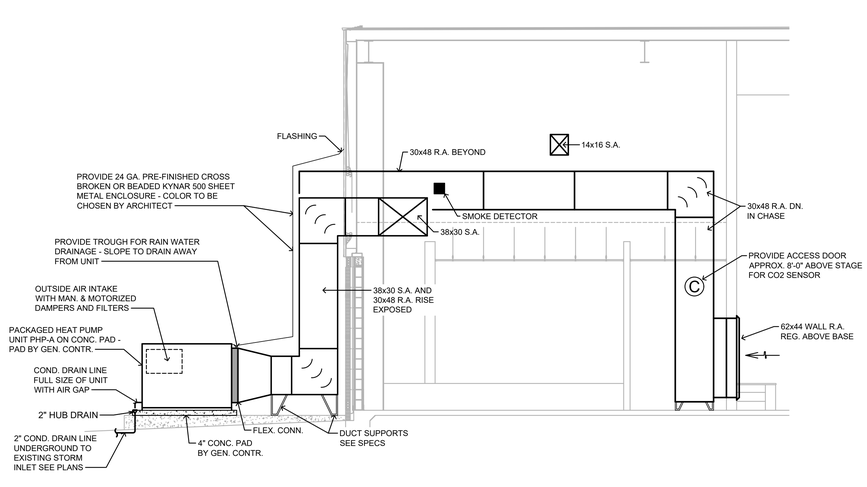
0' 2' 4' 8' 16' 32'



SECTION "A"

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

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



SECTION "B"

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

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

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LATHAN ▪ McKEE ARCHITECTS

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334.263.4406
ZEA PROJECT NUMBER 26-79

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE: HVAC FLOOR PLAN

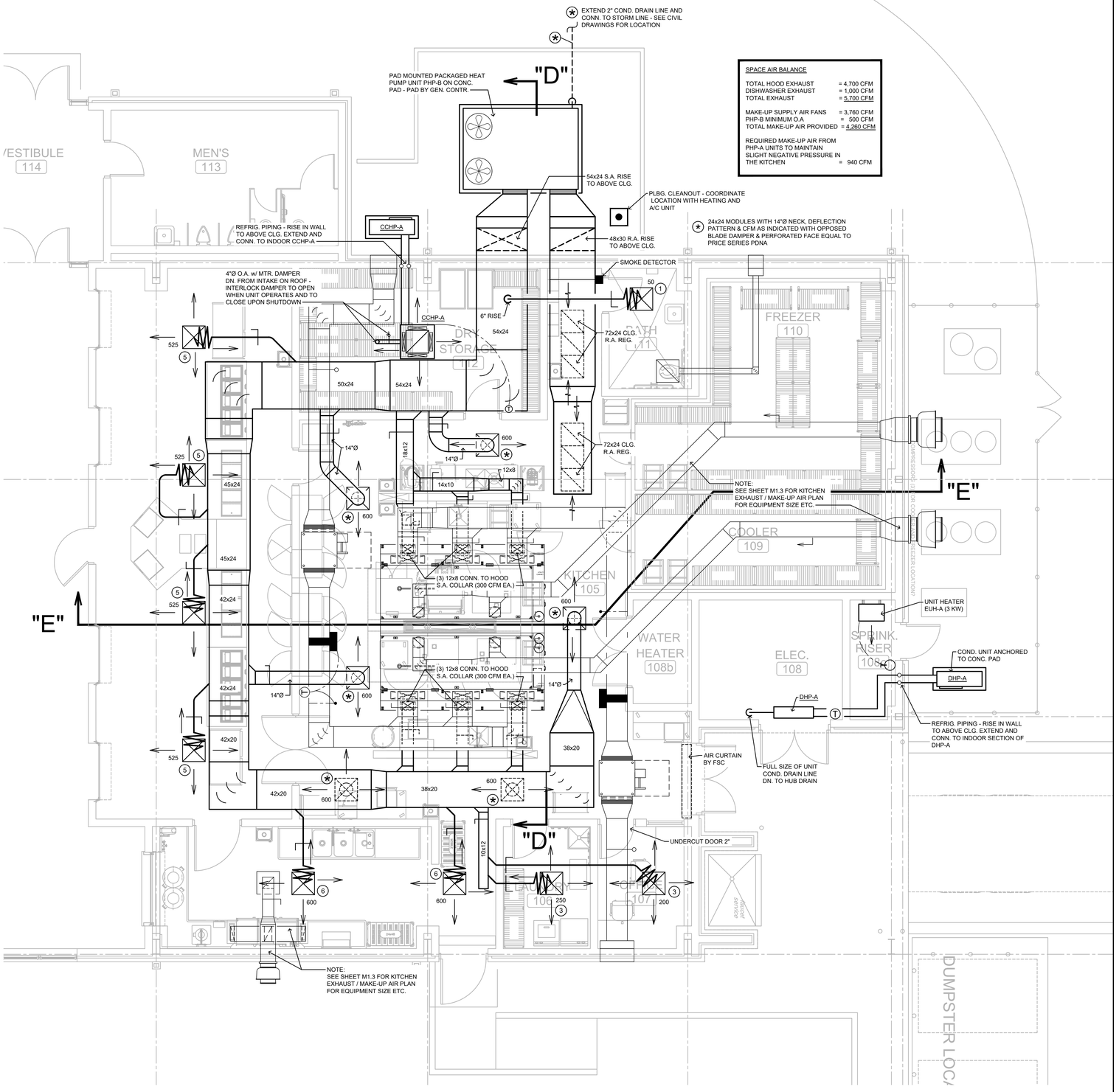
ALABAMA No. 23369 PROFESSIONAL 07.02.26 ENGINEER

PROJ. MGR.:	T. ZGOUVAS
DRAWN:	C. WARD
DATE:	07.02.2026
REVISIONS	

JOB NO. MKA-26-032-00

SHEET NO: M1.1

0 1" 2"



SHOWING SUPPLY AIR AND RETURN AIR LAYOUT

HVAC LARGE SCALE KITCHEN FLOOR PLAN

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

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

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LATHAN ▪ McKEE ARCHITECTS

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

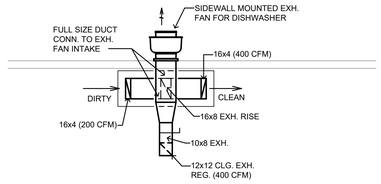
SHEET TITLE:
LARGE SCALE KITCHEN PLAN - SHOWING SUPPLY & RETURN AIR LAYOUTS

PROJ. MGR.:	T. ZGOUVAS
DRAWN:	C. WARD
DATE:	07.02.2026
REVISIONS	

JOB NO.
MKA-26-032-00

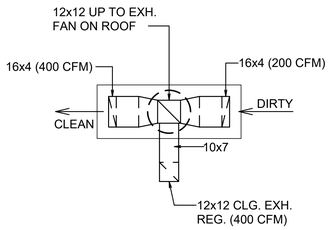
SHEET NO:
M1.2

0 1" 2"



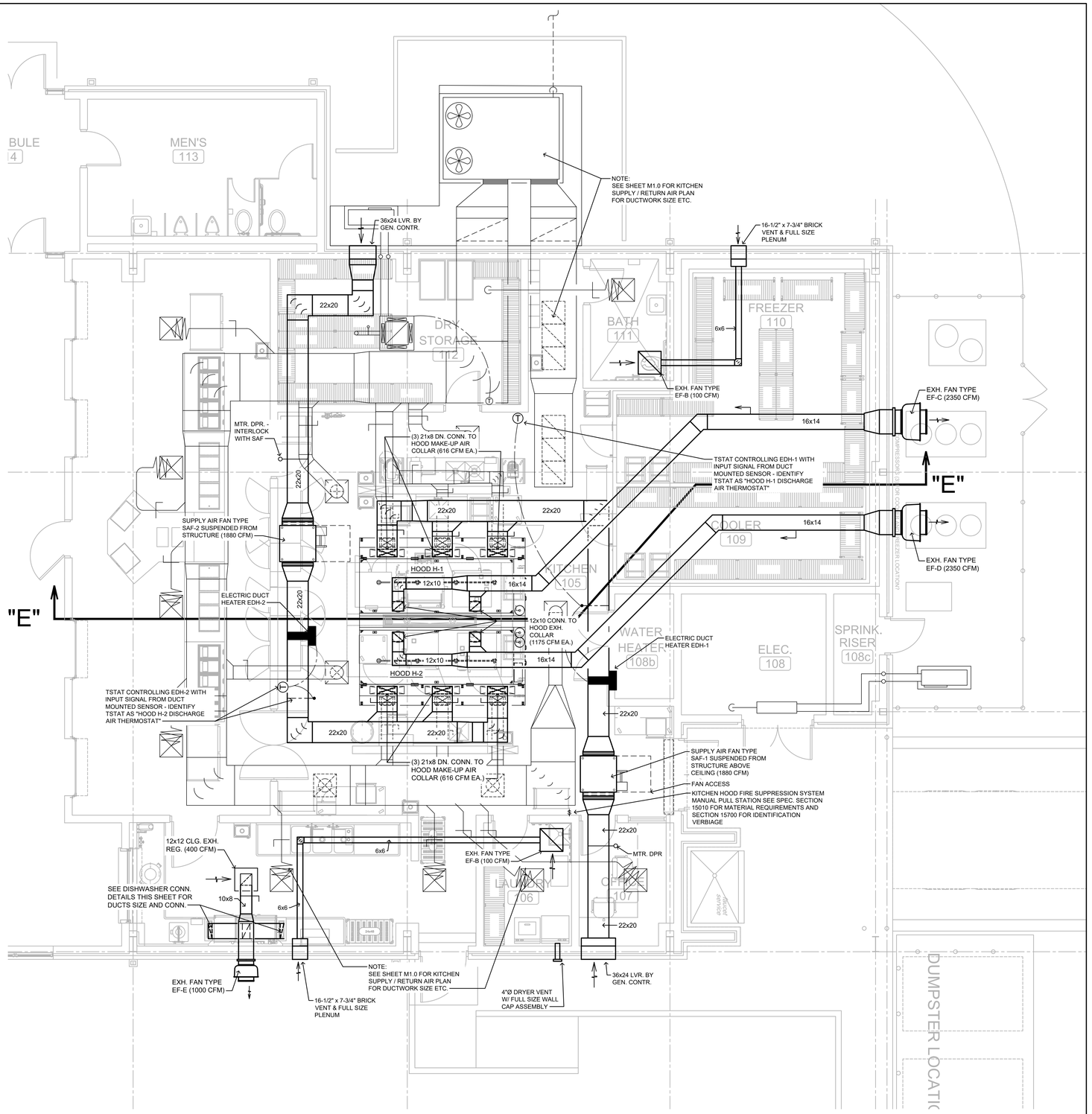
TYPICAL DISHWASHER CONN. DETAIL

NOT TO SCALE



TYPICAL DISHWASHER CONN. DETAIL

NOT TO SCALE



SECTIONAL VIEW #1

NOT TO SCALE

SECTIONAL VIEW #2

NOT TO SCALE

SHOWING EXHAUST / MAKE-UP AIR LAYOUT

HVAC LARGE SCALE KITCHEN FLOOR PLAN

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

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

LATHAN ▪McKEE ARCHITECTS

Cafeteria Addition at Crossville High School for Dekalb County Board Of Education

SHEET TITLE: HVAC FLOOR PLAN - SHOWING EXHAUST & MAKE-UP AIR LAYOUTS

PROJ. MGR.:	T. ZGOUVAS
DRAWN:	C. WARD
DATE:	07.02.2026
REVISIONS	

JOB NO. MKA-26-032-00

SHEET NO: M1.3

0 1" 2"

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ZEA PROJECT NUMBER 26-79

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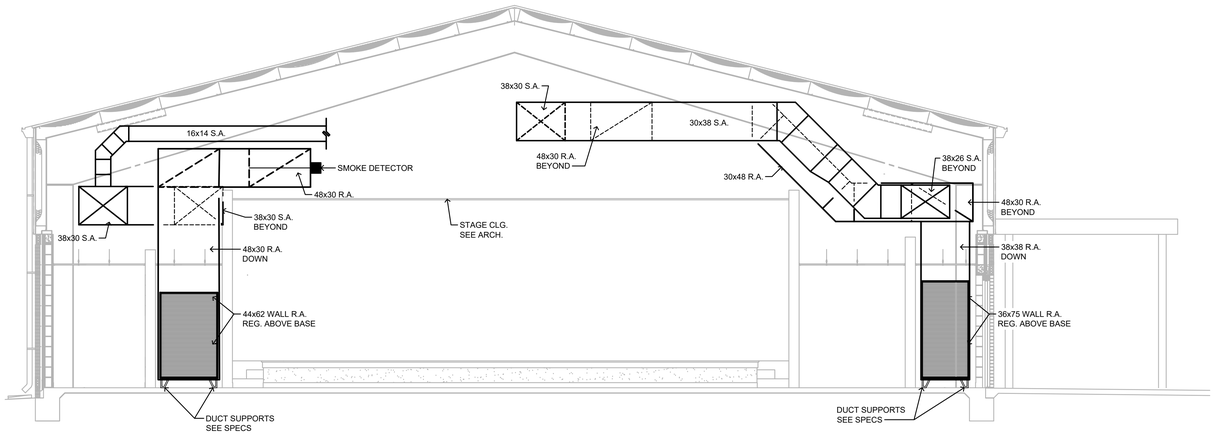
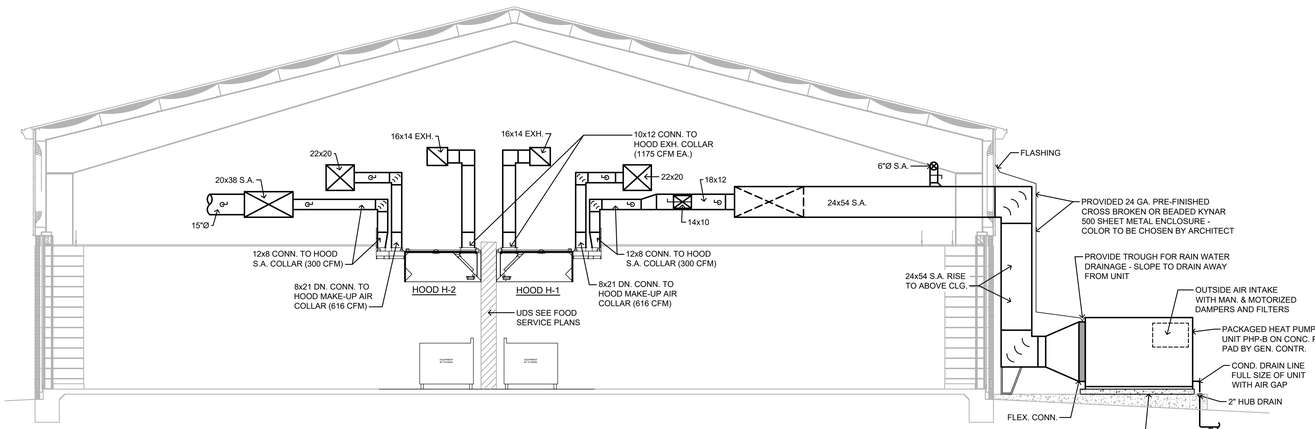


SECTION "C"

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

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



SECTION "D"

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

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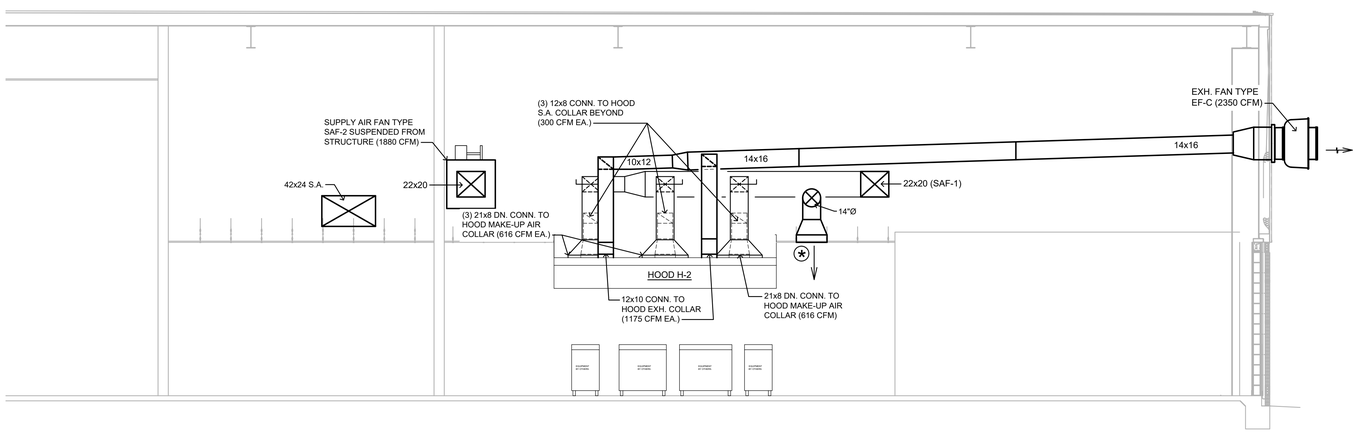

SECTION "E"

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

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

LATHAN ▪ McKEE ARCHITECTS

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE: HVAC SECTIONS

PROJ. MGR.:	T. ZGOUVAS
DRAWN:	C. WARD
DATE:	07.02.2026
REVISIONS	

JOB NO. MKA-26-032-00

SHEET NO: M1.4

0 1" 2"

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CONSULTING ENGINEERS
800 S McDONOUGH STREET
MONTGOMERY, AL. 36104
334.283.4408
ZEA PROJECT NUMBER 26-79

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HIGH EFFICIENCY PACKAGED PAD MOUNTED HEAT PUMP UNITS SCHEDULE

UNIT TYPE	PHP-A	PHP-B
MINIMUM AIR CFM	6000	8000
MINIMUM OUTSIDE AIR SETPOINT/MAX. CO2 SETPOINT/MAX. O.A. (ECONOMIZER) CFM	410 / 2200 / 6000	500 / N/A / 8000
APPROXIMATE EXTERNAL STATIC PRESSURE - IN. WATER COLUMN	0.83	0.87
APPROXIMATE INDOOR ECM FAN MOTOR HP-POWER	6.0 HP - 208V., 3PH., 60HZ.	6.0 HP - 240V., 3PH., 60HZ.
MINIMUM TOTAL COOLING CAPACITY AT AHRI CONDITIONS-BTU/HR	180,000	240,000
MINIMUM HEATING CAPACITY (COMPRESSOR ONLY) AT 70°F INDOOR TEMPERATURE AND 47°F OUTDOOR TEMPERATURE-BTU/HR	160,000	219,000
MINIMUM AUXILIARY ELECTRIC RESISTANCE HEAT - KW	54.0	72.0
NUMBER OF CONTROL STEPS	TWO	TWO
POWER	208V., 3PH., 60HZ.	208V., 3PH., 60HZ.
APPROXIMATE COMPRESSOR MOTOR(S) F.L.A. - POWER	50.0 - 208V, 3PH., 60HZ.	71.0 - 208V, 3PH., 60HZ.
APPROXIMATE OUTDOOR SECTION FAN MOTOR(S) F.L.A. - POWER	5.0 - 208V., 1PH., 60HZ.	5.0 - 208V., 1PH., 60HZ.
MINIMUM ENERGY EFFICIENCY RATING AT AHRI CONDITIONS	11.7	10.9
MINIMUM COP	3.6	3.5
APPROXIMATE MCA	224.0	258.0
APPROXIMATE MOCP	225.0	300.0

NOTES:

1. EACH UNIT MUST BE FACTORY WIRED FOR SINGLE POINT POWER CONNECTION.
2. 208 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. EER RATINGS BASED ON AHRI 340/360
4. COP RATING BASED ON AHRI 340/360 AT 47°F DB/43°F WB
5. EACH UNIT MUST BE PROVIDED WITH A REFRIGERANT HOT GAS REHEAT COIL, RELATED MODULATING HOT GAS REHEAT COIL VALVE AND LOCATED IN THE REHEAT POSITION. COIL SHALL BE PROVIDED COMPLETE WITH REFRIGERANT PIPING, PIPE INSULATION, VALVES, CONTROLS, ETC., ALL AS 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 - SEE SPECS FOR DETAILED REQUIREMENTS.
6. EACH UNIT MUST HAVE MINIMUM OF TWO COMPRESSORS, VARIABLE SPEED INVERTER COMPRESSOR OR 2-STAGES OF COOLING - SEE SPECS FOR DETAILED REQUIREMENTS.
7. EACH UNIT MUST BE PROVIDED WITH TWO SPEED CONTROL (PHP-B) OR VFD (SINGLE ZONE VAV) CONTROL OF THE SUPPLY FAN (PHP-A) SUCH THAT THE FAN AIRFLOW WILL VARY AS A FUNCTION OF LOAD - SEE SPECS FOR DETAILED REQUIREMENTS.
8. EACH UNIT MUST BE HIGH EFFICIENCY TYPE
9. EACH UNIT MUST BE PROVIDED WITH REFRIGERANT LEAK DETECTION SYSTEM - SEE SPECS FOR DETAILED REQUIREMENTS.

HOODS SCHEDULE

HOOD NUMBER OR SYMBOL	HOOD DIMENSIONS	NUMBER OF LED LIGHT FIXTURES	NUMBER OF LED FIXTURE IN A/C PLENUM	FILTERS		MAX. PRESS. DROP AT HOOD COLLARS- IN. OF WTR. COL.			REMARKS
				NO. OF FILTERS	SIZE	MAKE-UP	EXHAUST	A/C PLENUM	
H-1	13'-6"L x 5'-0"W	4	7	10	16x16	0.20	.70	0.15	
H-2	13'-6"L x 5'-0"W	4	7	10	16x16	0.20	.70	0.15	

NOTE: HOOD DIMENSIONS DOES NOT INCLUDE MAKE-UP AIR, AC PLENUM OR CABINET

CEILING CASSETTE TYPE HEAT PUMP UNIT SCHEDULE

UNIT TYPE	CCHP-A
MINIMUM TOTAL COOLING CAP. AT A.R.I. CONDITIONS - BTU/HR	24,000
MINIMUM HEATING CAP. (COMPRESSOR ONLY) AT 70°F INDOOR & 47°F AMBIENT - BTU/HR	26,000
INDOOR FAN CFM AT HIGH SPEED (WET COIL)	770
OUTSIDE AIR CFM	0
INDOOR UNIT MCA - POWER	1.5 A - 208 V., 1 PH. , 60 HZ.
OUTDOOR UNIT MCA (COMPRESSOR AND COND. FAN) - POWER	19.0 A - 208 V., 1 PH., 60 HZ.
OUTDOOR UNIT MOCP	26.0 A - 208 V., 1 PH., 60 HZ.
MINIMUM HSPF AT AHRI 210/240 CONDS.	11.2
MINIMUM S.E.E.R. AT AHRI 210/240 CONDS	24.2

WALL MOUNTED DUCTLESS HEAT PUMP UNIT SCHEDULE

UNIT TYPE	DHP-A
MINIMUM TOTAL COOLING CAP. AT A.R.I. CONDITIONS - BTU/HR	12,000
MINIMUM HEATING CAP. (COMPRESSOR ONLY) AT 70°F INDOOR & 47°F AMBIENT - BTU/HR	14,000
INDOOR FAN CFM AT HIGH SPEED (WET COIL)	380
INDOOR UNIT MCA - POWER	1.5 A - 208 V., 1 PH., 60 HZ.
OUTDOOR UNIT MCA (COMPRESSOR AND COND. FAN) - POWER	11.0 A - 208 V., 1 PH., 60 HZ.
OUTDOOR UNIT MOP (COMPRESSOR AND COND. FAN) - POWER	28.0 A - 208 V., 1 PH., 60 HZ.
MINIMUM HSPF AT AHRI 210/240 CONDS.	10.2
MINIMUM S.E.E.R. AT AHRI 210/240 CONDS	20.8
BASIS OF DESIGN	MITSUBISHI PKA / PUZ

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	280	CEILING MOUNTED, CENTRIFUGAL, DIRECT DRIVEN, ECM	10.0	N/A	1050	.30	235w	120	1	60	LIGHTING CIRCUIT	
EF-B	100	CEILING MOUNTED, CENTRIFUGAL, DIRECT DRIVEN, ECM	8.0	N/A	1050	.30	84w	120	1	60	LIGHTING CIRCUIT	
EF-C	2350	WALL MOUNTED, DIRECT DRIVEN, CENTRIFUGAL, ECM	21.0	25x25	1134	1.47	2.0 hp	208	3	60	KITCHEN HOOD SWITCH	
EF-D	2350	WALL MOUNTED, DIRECT DRIVEN, CENTRIFUGAL, ECM	21.0	25x25	1183	1.62	2.0 hp	208	3	60	KITCHEN HOOD SWITCH	
EF-E	1000	WALL MOUNTED, DIRECT DRIVEN, CENTRIFUGAL, ECM	14.0	19x19	1200	0.65	1/2 hp	120	1	60	DISHWASHER HOOD SWITCH	
SAF-1	1880	INLINE, DIRECT DRIVE, ECM, CENTRIFUGAL	15.0	N/A	1324	.78	3/4 hp	208	3	60	HOOD SWITCH / EF-C	
SAF-2	1880	INLINE, DIRECT DRIVE, ECM, CENTRIFUGAL	15.0	N/A	1346	.84	3/4 hp	208	3	60	HOOD SWITCH / EF-D	

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.
3.) CONTRACTOR SHALL INSULATE THE BACK SIDE OF CEILING MOUNTED EXHAUST & RETURN AIR GRILLES/REGISTERS WITH 1" THICKNESS EXTERNAL DUCT INSULATION WITH CHARACTERISTICS SPECIFIED FOR EXTERNAL DUCT INSULATION.

ELECTRIC DUCT HEATERS SCHEDULE

HEATER NUMBER	AIR QUANTITY-CFM	MINIMUM CAPACITY-KW	POWER			HEATER CONTROL	REMARKS
			VOLTS	PHASE	HERTZ		
EDH-1	1880	36.0	208	3	60	SCR	
EDH-2	1880	36.0	208	3	60	SCR	

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

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.

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	10.1
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 & 70°F INDOOR TEMPERATURE

PHP-A - REFRIGERANT, OUTDOOR AIR AND EXHAUST CALCULATIONS

	Area	Clg Ht	Volume	Peo/1000 SF	# People	CFM/SF	Area CFM	CFM/Person	People CFM	Voz	Ez	# Fixtures	CFM/Fixt	CFM/SF	Min Exhaust	Supply Air	Zp EQ 4-5	Refrig	Lbs Refrig	Allowable #/1000 cu ft	Actual #/1000 cu ft	Max Allowed in space
CAFETERIA	4000	10	40000	100	400	0.18	720	7.5	3000	3720	1					10000	0.372					
STAGE	800	10	8000	70	56	0.06	48	10	560	608	1					2000	0.304					
STORAGE	365	10	3650	0	0	0.06	27.5	0	0	27.5	0.8					500	0.055					
TOILETS	420	10	4200									6	70		420	300	0					
ENTRY	160	10	1600	10	2	0.06	12.5	5	12.5	25	0.8					300	0.083333					
Total			57450		458		808		3572.5						420	13100		454b	12	3.1	0.208877	178.095
									Cumulative CFM	4380.5												

PHP-B - REFRIGERANT, OUTDOOR AIR AND EXHAUST CALCULATIONS

	Area	Clg Ht	Volume	Peo/1000 SF	# People	CFM/SF	Area CFM	CFM/Person	People CFM	Voz	Ez	# Fixtures	CFM/Fixt	CFM/SF	Min Exhaust	Supply Air	Zp EQ 4-5	Refrig	Lbs Refrig	Allowable #/1000 cu ft	Actual #/1000 cu ft	Max Allowed in space
KITCHEN	1800	10	18000	20	36	0.12	270	7.5	337.5	607.5	0.8			0.7	1260	4500	0.135					
SERVING	840	10	8400	20	17	0.12	126.25	7.5	159.375	285.625	0.8					3000	0.095208					
OFFICE	81	10	810	5	1	0.06	6.25	5	6.25	12.5	0.8					200	0.0625					
LAUNDRY	85	10	850	25	3	0.06	7.5	5	18.75	26.25	0.8					250	0.105					
TOILET	70	10	700									1	70		70	50	0					
Total			28760		57		410		521.875						1330	8000		454b	12	3.1	0.417246	89.156
									Cumulative CFM	931.875												

Max "Zp"	0.135
"Ev"	1
"Vou" Total OSA EQ 4-6	638.8925
Total Building Occupancy	25
Zone Occupancy	57
"D" from EQ 4-7	0.438596
"Vot" Equation 4-8	638.8925
TOTAL OSA	638.8925

TWHP-A - REFRIGERANT, OUTDOOR AIR AND EXHAUST CALCULATIONS

	Area	Clg Ht	Volume	Peo/1000 SF	# People	CFM/SF	Area CFM	CFM/Person	People CFM	Voz	Ez	# Fixtures	CFM/Fixt	CFM/SF	Min Exhaust	Supply Air	Zp EQ 4-5	Refrig	Lbs Refrig	Allowable #/1000 cu ft	Actual #/1000 cu ft	Max Allowed in space
CORRIDOR	1050	10	10500	0	0	0.06	78.75	0	0	78.75	0.8					400	0.196875					
Total			10500		0		78.75		0						0	400		454b	12	3.1	1.142857	32.55
									Cumulative CFM	78.75												

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ZEA PROJECT NUMBER 26-79

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LATHAN ▪ McKEE ARCHITECTS

Cafeteria Addition at Crossville High School for Dekalb County Board Of Education

SHEET TITLE: HVAC SCHEDULES

ALABAMA PROFESSIONAL ENGINEER No. 23369 07.02.26 ZGOUVAS EIRING

PROJ. MGR.: T. ZGOUVAS
DRAWN: C. WARD
DATE: 07.02.2026
REVISIONS

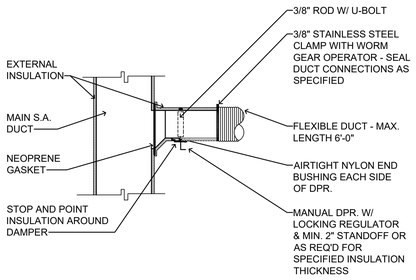
JOB NO. MKA-26-032-00
SHEET NO: M2.1

0 1" 2"

ELECTRIC UNIT HEATER SCHEDULE

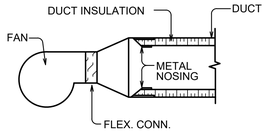
HEATER TYPE	DESCRIPTION	AIR QUANTITY-CFM	MINIMUM CAPACITY-KW	FAN HP	FAN MAX. RPM	POWER			NUMBER OF CONTROL STEPS	REMARKS
						VOLTS	PHASE	HERTZ		
EUH-A	WALL MTD., PROPELLER, HORIZONTAL DISCHARGE	400	3.0	1/125	1550	208	3	60	ONE	

NOTE:
UNIT TO BE PROVIDED WITH FACTORY INSTALLED SINGLE POINT POWER CONNECTION (FAN AND HEATER)



ROUND BRANCH DUCT TAKE-OFF DETAIL

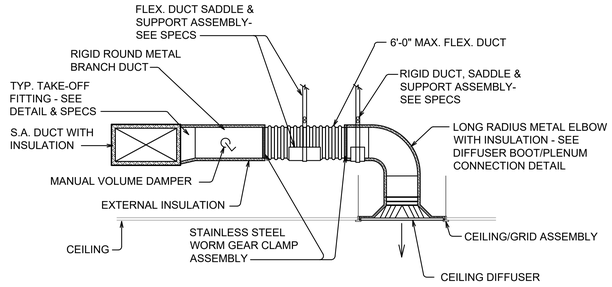
NOT TO SCALE
RECTANGULAR RUNOUTS SIMILAR EXCEPT WITH RECTANGULAR DUCT



TYPICAL DUCT LINER INTERRUPTION DETAIL

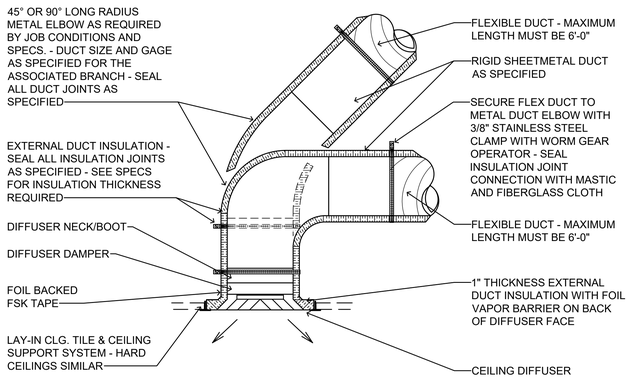
NOT TO SCALE

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



TYPICAL DIFFUSER RUN-OUT CONN.

NOT TO SCALE
SEAL ALL DUCT AND INSULATION JOINTS AS SPECIFIED



DIFFUSER BOOT/PLENUM CONNECTION DETAIL

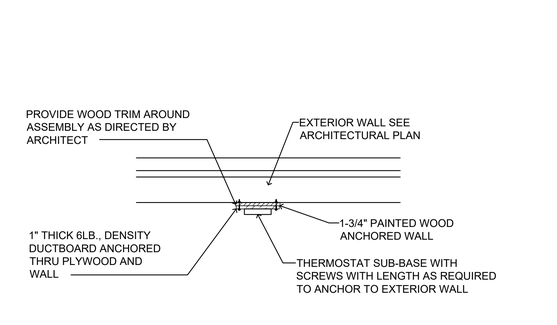
NOT TO SCALE

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 THE ENGINEER HAS INSPECTED THE INSTALLATION.

CEILING MOUNTED EXHAUST FAN CONN. DETAIL

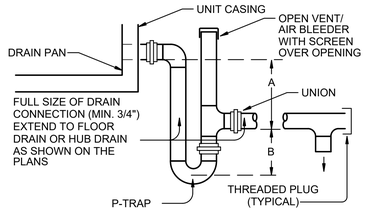
NO SCALE

PROVIDE BONDING JUMPER ACROSS FLEXIBLE CONNECTION AS SPECIFED SECTION 15700, PARAGRAPH FLEXIBLE CONNECTIONS AND BONDING JUMPERS



THERMOSTAT MOUNTING DETAIL ON EXTERIOR WALL

NOT TO SCALE



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

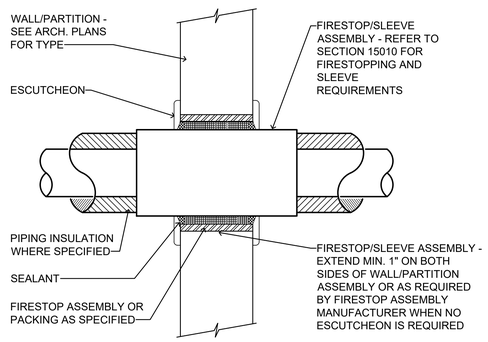
WHERE "X" = UNIT STATIC PRESSURE

TYPICAL EVAPORATOR COIL CONDENSATE DRAIN DETAIL

NOT TO SCALE

NOTES:

1. CONTRACTOR SHALL PROVIDE DRAIN ARRANGEMENT AS REQUIRED BY THE UNIT MANUFACTURER. IN ABSENCE OF THOSE REQUIREMENTS, CONTRACTOR SHALL PROVIDE DRAIN AS DETAILED ABOVE.
2. CONTRACTOR SHALL RAISE THE RESPECTIVE UNIT AS REQUIRED TO ALLOW FOR INSTALLATION OF THE DRAIN AS DETAILED ABOVE.
3. PROVIDE AN ELECTRIC SWITCH IN THE AUXILIARY CONDENSATE DRAIN LINE ON THE UNIT, THAT CONFORMS TO UL 508 AND UL 2043 (AS APPLICABLE), TO SHUT DOWN THE UNIT AND ALARM TO THE BUILDING ENERGY MANAGEMENT SYSTEM (BAS) OPERATOR CONSOLE (IF APPLICABLE) SHOULD THE LINE BECOME OBSTRUCTED.
4. PROVIDE UNIONS AT EACH CONDENSATE DRAIN LINE TRAP ASSEMBLY FOR ALL MINI-SPLIT SYSTEMS.
5. DUCTLESS MINI-SPLIT EQUIPMENT THAT PRODUCES CONDENSATE SHALL BE PROVIDED WITH AN INLINE CHECK VALVE LOCATED IN THE DRAIN LINE OR A TRAP AS REQUIRED BY IMC 307.2.4.1.
6. PER IMC 307.2.5, CONDENSATE DRAIN LINES SHALL BE CONFIGURED TO PERMIT THE CLEARING OF BLOCKAGES AND PERFORMANCE OF MAINTENANCE WITHOUT REQUIRING THE DRAIN LINE TO BE CUT.

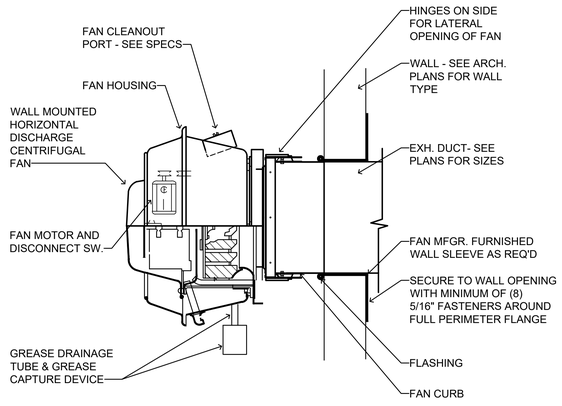


INTERIOR WALL PIPING PENETRATION DETAIL

NOT TO SCALE

NOTES:

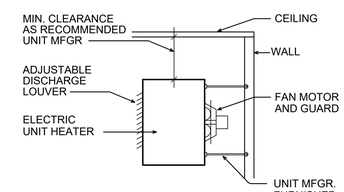
1. SEE SPEC SECTION 15010 FOR FIRESTOP AND SLEEVE REQUIREMENTS
2. DETAIL APPLIES TO ALL PIPING.
3. ONLY ONE PIPE PER ASSEMBLY ALLOWED.
4. WHERE PIPING IS EXPOSED IN FINISHED AREAS, PROVIDE ESCUTCHEONS OVER PENETRATIONS AND DELETE REQUIREMENT FOR EXTENDING OF THE SLEEVE/FIRESTOP ASSEMBLY 1" ON EACH SIDE OF THE PARTITION. TERMINATE FLUSH WITH WALL. DO NOT USE SPLIT TYPE ESCUTCHEONS NOR SPLIT TYPE SLEEVES.



WALL MOUNTED CENTRIFUGAL EXHAUST GREASE FAN CONNECTION DETAIL

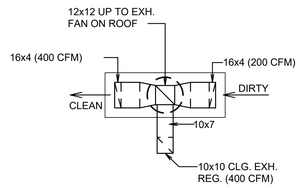
NOT TO SCALE

NOTE!
INSTALLATION AND CURB SHALL MEET THE REQUIREMENTS OF NFPA 96 AND ALL APPLICABLE CODES



WALL MOUNTED ELECTRIC UNIT HEATER DETAIL

NOT TO SCALE



TYPICAL DISHWASHER CONN. DETAIL

NOT TO SCALE

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ZEA PROJECT NUMBER 26-79

Cafeteria Addition at Crossville High School for Dekalb County Board Of Education

SHEET TITLE: HVAC DETAILS

JOSEPH A. EIRING No. 23369 PROFESSIONAL ENGINEER 07.02.26 ALABAMA U.S.A.

PROJ. MGR.:	T. ZGOUVAS
DRAWN:	C. WARD
DATE:	07.02.2026
REVISIONS	

JOB NO. MKA-26-032-00

SHEET NO: M2.2

0 1" 2"

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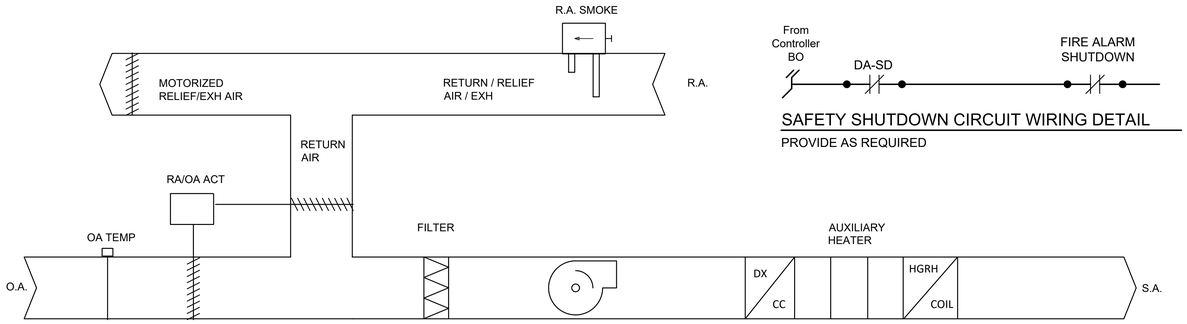
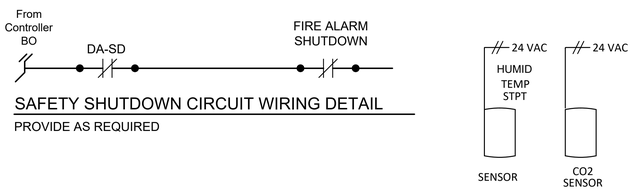




SAFETY SHUTDOWN CIRCUIT WIRING DETAIL

PROVIDE AS REQUIRED

PACKAGED PAD MOUNTED SINGLE ZONE VAV HEAT PUMP UNIT WITH HOT GAS REHEAT AND DEMAND CONTROL VENTILATION CONTROLS SCHEMATIC

NOT TO SCALE
UNIT WITHOUT DEMAND CONTROL VENTILATION IS SIMILAR

Constant Volume Packaged Rooftop Unit Sequence of Operation

Building Interface:

The supply air fan shall be started only upon satisfaction of all safeties, upon a call from individual thermostats/sensors.

Smoke Detector Shutdown:

The unit shall shut down in response to a signal from the smoke detector in the return air ducts indicating the presence of smoke. The smoke detectors shall be interlocked to the unit through the dry contacts of the smoke detector. A manual reset of the smoke detector shall be required to restart the unit. Coordinate the quantity of smoke detectors required with the plans. Smoke detectors are furnished and wired by Division 16. Installation into the duct by the Mechanical Contractor. Coordinate all prior to bid and provide as specified.

Occupied Mode:

During occupied periods, the supply fan shall run, the normally closed (NC) outside air damper and normally open (NO) return air damper(s) shall open to their respective setpoints to provide for their minimum scheduled outside air setpoint. The heat pump DX cooling or heating cycle shall stage to maintain the occupied space temperature setpoint.

Unoccupied Mode:

When the space temperature is below the unoccupied heating setpoint of 60.0 deg. F (adj.) the supply fan shall start, the NC outside air damper shall remain closed, the NO return air damper (as applicable) shall remain open and the DX heating cycle shall be enabled. When the space temperature rises above the unoccupied heating setpoint of 60.0 deg. F (adj.) plus the unoccupied differential of 4.0 deg. F (adj.), the heating cycle shall be disabled, the supply fan shall stop, the NC outside air damper shall remain closed and the NO return air damper (as applicable) shall remain in its NO position.

When the space temperature is above the unoccupied cooling setpoint of 85.0 deg. F (adj.), the supply fan shall start, the NC outside air damper shall remain closed, the NO return air damper (as applicable) shall remain open and the DX cooling cycle shall be enabled. When the space temperature falls below the unoccupied cooling setpoint of 85.0 deg. F (adj.) minus the unoccupied differential of 4.0 deg. F (adj.) the cooling cycle shall be disabled, the supply fan shall stop, the NC outside air damper shall remain closed and the NO return air damper (as applicable) shall remain open.

Occupied Bypass:

The thermostat shall monitor the status of the “on” and “cancel” buttons of the space temperature sensor. When an occupied bypass request is received from a space sensor, the unit shall transition from its current occupancy mode to occupied mode and the unit shall maintain the space temperature to the occupied setpoints (adj.).

Cooling Mode:

The unit controller shall use space temperature and space temperature setpoint to determine when to initiate requests for cooling. When the space temperature rises above the setpoint, the unit controller shall stage the DX cooling as required to maintain the space temperature setpoint. The first compressor (as applicable) shall energize after its minimum 3-minute off time has expired. If additional cooling capacity is required the second stage (as applicable) of cooling shall be enabled. Once the space temperature falls below the setpoint the compressors shall be deactivated and system returns to its occupied/unoccupied cooling schedule.

Heating Mode:

The unit thermostat shall use the space temperature and space temperature setpoint to determine when to initiate requests for heat. When the space temperature drops below the setpoint, the unit thermostat shall enable the heating stage when ambient temperature is below 50°F (adj.), to maintain the space temperature setpoint. The gas valve shall then modulate as required to maintain setpoint.

Dehumidification/Humidity Control:

Factory installed hot gas reheat coil shall allow for the application of dehumidification.

The outside air damper shall drive to between its minimum and maximum scheduled outside air setpoint based on the CO2 readings (as applicable) during dehumidification.

On a call for dehumidification, the compressor shall be locked out of the heating mode, the compressor cooling mode shall be enabled and the hot gas reheat valve shall modulate the hot gas reheat coil valve as required to maintain space temperature. When the humidity control setpoint is satisfied, the hot gas reheat coil valve shall close and the compressor shall be disabled. If there is a call for cooling from the space temperature thermostat, while in reheat, the reheat valve shall be de-energized and the compressor continues to run.

CO2 Control/Demand Ventilation (PHP-A only):

The duct mounted or space CO2 sensor shall modulate the motorized outside air and return air damper(s) in sequence to maintain a minimum concentration of 800 PPM (adj.). Upon satisfaction of the CO2 sensor setpoint, the outside air damper shall return to its minimum scheduled outside air setpoint and the the return air damper shall modulate up or down based on the outside air damper requirement

Powered Exhaust/Relief Air:

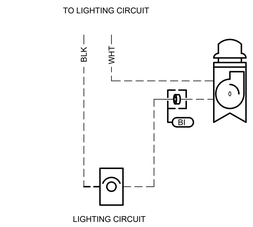
The power exhaust/relief shall be enabled when the economizer damper position is equal to or greater than the exhaust fan setpoint (adj.). The power exhaust/relief shall be enabled while unit is in economizer mode and shall be de-energized when unit returns to standard return air operation. During normal unit operation the power exhaust/relief shall be enabled when the demand control ventilation is activated by the CO2 sensor and de-energized when the demand control ventilation system has satisfied the space CO2 set point

Condensate Drain Blockage:

Provide an electronic switch in the condensate drain line and in the auxiliary drain pan. Provide switch with interface as required to shut down the unit should an obstruction occur in the condensate drain line or the auxiliary drain pan. Upon detection of an obstruction in the condensate drain line or the auxiliary drain pan, the unit shall shutdown.

UV-C Lights:

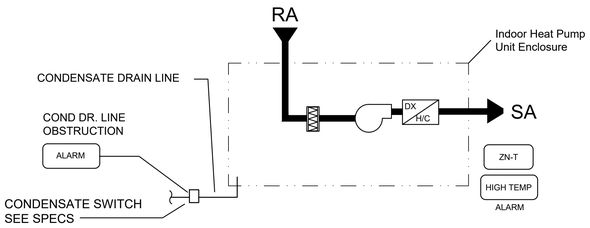
Units with UV-C lights shall cycle/operate and be located as required by the UV-C lighting Manufacturer.



EXHAUST FAN CONTROL SCHEMATIC

OCCUPIED/UNOCCUPIED MODE:

TOILET/JAN. CLOSET EXHAUST FAN SHALL OPERATE ANYTIME THE LIGHTING SWITCH IS TURNED ON. FAN SHALL OPERATE FOR A MAXIMUM OF 10 MINUTES (ADJ.) AFTER LIGHT SWITCH HAS TURNED OFF OR, IN ABSENCE OF THE SWITCH BEING TURNED OFF, FOR A MAXIMUM OF 10 MINUTES (ADJ.)



CONSOLE TYPE DUCTLESS HEAT PUMP (DHP) CONTROLS SCHEMATIC

NOTE: CASSETTE UNITS SIMILAR

DHP HEAT PUMP UNITS SEQUENCE OF OPERATION

OCCUPIED MODE:

DHP units shall operate in continuous occupied mode. Cassette units shall operate similarly except the indicated motorized damper must open when unit operates and close when unit does not operate..

UNOCCUPIED MODE:

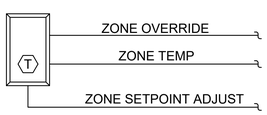
Cassette units shall operate per its owner specified schedule for night setback. Outside air damper must remain closed during unoccupied operation mode.

COOLING/HEATING MODE:

The unit controller shall use space temperature and space temperature setpoint to determine when to initiate requests for cooling or heating. When the space temperature rises above the setpoint, the unit controller shall stage the DX cooling or heating as required to maintain the space temperature setpoint.

CONDENSATE DRAIN BLOCKAGE:

Provide an electronic switch in each condensate drain line and auxiliary drain pan with interface as required to shut down the unit should an obstruction occur in the condensate drain line or moisture is indicated in the auxiliary drain pan. Upon detection of an obstruction in the condensate drain line or moisture is proven in the auxiliary drain pan, the unit shall shutdown and an alarm shall be annunciated at the BAS.



ELECTRIC UNIT HEATERS CONTROLS SCHEMATIC

ELECTRIC UNIT HEATERS SEQUENCE OF OPERATION

System Interface:

The space thermostat shall send a signal to the respective heater to energize when temperature setpoint is above/below the Owner's required setpoints and requested occupied/unoccupied setpoints.

Occupied Mode:

Upon a call for heating during occupied periods the heater fan shall run and the electric heat shall stage to maintain the active space temperature setpoint.

Unoccupied Mode:

When the space temperature is below the unoccupied heating setpoint of 60.0 deg. f (adj.), the supply fan shall start and the electric heat shall energize. When the space temperature rises above the unoccupied heating setpoint of 60.0 deg. f (adj.) plus the unoccupied differential of 2.0 deg. f (adj.) the supply fan shall stop and the electric heat shall de-energize subject to the heater safeties.

Miscellaneous:

All unit heaters shall be wired through an outdoor temperature sensor on the north facing wall and wired to each unit heater to lock out the heater anytime the outdoor temperature is above 45°F (adj).

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ZEA PROJECT NUMBER 26-79

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LATHAN ▪ McKEE ARCHITECTS

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE: HVAC CONTROLS

PROJ. MGR.:	T. ZGOUVAS
DRAWN:	C. WARD
DATE:	07.02.2026
REVISIONS	

JOB NO. MKA-26-032-00

SHEET NO: M3.1

CEILING OUTLETS

- A (2) — RECESSED 2'x4' LAY-IN FIXTURE, MARK 'A' CIRCUIT NUMBER 2, TYPICAL.
- A (2) — RECESSED 2'x4' LAY-IN FIXTURE, MARK 'A' CIRCUIT NUMBER 2, TYPICAL, 'EMERGENCY POWER'.
- A (2) — RECESSED 1'x4' LAY-IN FIXTURE, MARK 'A' CIRCUIT NUMBER 2, TYPICAL.
- A (2) — RECESSED 1'x4' LAY-IN FIXTURE, MARK 'A' CIRCUIT NUMBER 2, TYPICAL, 'EMERGENCY POWER'.
- A (2) — RECESSED 2'x2' LAY-IN FIXTURE, MARK 'A' CIRCUIT NUMBER 2, TYPICAL.
- A (2) — RECESSED 2'x2' LAY-IN FIXTURE, MARK 'A' CIRCUIT NUMBER 2, TYPICAL, 'EMERGENCY POWER'.
- A (2) — SURFACE OR PENDANT MOUNTED LINEAR STRIP FIXTURE, MARK 'A' CIRCUIT NUMBER 2, TYPICAL.
- A (2) 2 — SURFACE OR PENDANT MOUNTED LINEAR STRIP FIXTURE, MARK 'A' CIRCUIT NUMBER 2, TYPICAL, 'EMERGENCY POWER'.
- A (2) — RECESSED OR SURFACE MOUNTED DOWNLIGHT, MARK 'A' CIRCUIT NUMBER 2, TYPICAL.
- A 2 — RECESSED OR SURFACE MOUNTED DOWNLIGHT, MARK 'A' CIRCUIT NUMBER 2, TYPICAL, 'EMERGENCY POWER'.
- A (2) — RECESSED OR SURFACE MOUNTED ROUND FIXTURE, MARK 'A' CIRCUIT NUMBER 2, TYPICAL.
- A 2 — RECESSED OR SURFACE MOUNTED ROUND FIXTURE, MARK 'A' CIRCUIT NUMBER 2, TYPICAL. 'EMERGENCY POWER'.
- CEILING MOUNTED SINGLE FACE EXIT SIGN, ARROWS AS SHOWN ON DRAWINGS.
- CEILING MOUNTED DOUBLE FACE EXIT SIGN, ARROWS AS SHOWN ON DRAWINGS.
- CEILING MOUNTED JUNCTION BOX.
- DUPLEX RECEPTACLE – 20AMP., 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. CEILING MOUNTED.
- G DUPLEX RECEPTACLE – 20AMP., 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. CEILING MOUNTED.
- V DUPLEX RECEPTACLE – 20AMP., 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. CEILING MOUNTED. MOUNT IN 4"x4"x2" BOX. PROVIDE STEEL BARRIER BETWEEN CATV/RECEPTACLE AND CONNECTOR WITH BUSHING FOR CATV CABLE.
- AD CEILING MOUNTED JUNCTION BOX FOR AUTOMATIC DOORS.
- CEILING MOUNTED JUNCTION BOX.
- JUNCTION BOX WITH FLEXIBLE CONNECTION TO EQUIPMENT.
- JUNCTION BOX WITH FLEXIBLE CONNECTION TO FIXTURE.

WALL OUTLETS

- A (2) — WALL MOUNTED FIXTURE, MARK 'A' CIRCUIT NUMBER 2, TYPICAL.
- A (2) 2 — WALL MOUNTED FIXTURE, MARK 'A' CIRCUIT NUMBER 2, TYPICAL, 'EMERGENCY POWER'.
- WALL MOUNTED SINGLE FACE EXIT SIGN, ARROWS AS SHOWN ON DRAWINGS.
- (2) A — WALL MOUNTED FIXTURE, MARK 'A' CIRCUIT NUMBER 2, TYPICAL.
- 2 A — WALL MOUNTED FIXTURE, MARK 'A' CIRCUIT NUMBER 2, TYPICAL, 'EMERGENCY POWER'.
- BATTERY OPERATED EMERGENCY FIXTURE.
- DUPLEX RECEPTACLE – 20AMP., 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS OTHERWISE NOTED.
- G DUPLEX RECEPTACLE – 20AMP., 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS OTHERWISE NOTED.
- W DUPLEX RECEPTACLE – 20AMP., 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS OTHERWISE NOTED, PROVIDE WEATHERPROOF "EXTRA-DUTY" BOX FOR RECEPTACLE.
- SB DUPLEX RECEPTACLE – 20AMP., 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT AS DIRECTED FOR SMARTBOARD.
- DUPLEX RECEPTACLE – 20AMP., 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 6" ABOVE COUNTER.
- G DUPLEX RECEPTACLE – 20AMP., 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 6" ABOVE COUNTER.
- QUADRAPLEX RECEPTACLE – 20AMP., 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS OTHERWISE NOTED.
- G QUADRAPLEX RECEPTACLE – 20AMP., 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS OTHERWISE NOTED.
- QUADRAPLEX RECEPTACLE – 20AMP., 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 6" ABOVE COUNTER.
- G QUADRAPLEX RECEPTACLE – 20AMP., 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 6" ABOVE COUNTER.
- QUADRAPLEX RECEPTACLE – 20AMP., 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 26" A.F.F. TO CENTER LINE FOR DRINKING FOUNTAIN.
- TP DUPLEX RECEPTACLE – 20AMP., 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS OTHERWISE NOTED, TAMPER-PROOF.
- CM DUPLEX RECEPTACLE – 20AMP., 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. CONNECTION FOR COFFEE MAKER, COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS.
- MW DUPLEX RECEPTACLE – 20AMP., 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. CONNECTION FOR MICROWAVE, COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS.
- R DUPLEX RECEPTACLE – 20AMP., 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. CONNECTION FOR REFRIGERATOR, COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS.
- UCR DUPLEX RECEPTACLE – 20AMP., 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. CONNECTION FOR UNDER COUNTER REFRIGERATOR, COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS.
- V DUPLEX RECEPTACLE – 20AMP., 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT IN 4"x4"x2" BOX. PROVIDE STEEL BARRIER BETWEEN CATV/RECEPTACLE AND CONNECTOR WITH BUSHING FOR CATV CABLE.
- SINGLE RECEPTACLE – SEE DRAWINGS FOR NEMA CONFIGURATION.
- WALL MOUNTED JUNCTION BOX SIZE NOTED OR REQUIRED WITH BLANK SCREW COVER.
- WALL MOUNTED JUNCTION BOX SIZE NOTED OR REQUIRED WITH BLANK SCREW COVER AND FLEXIBLE CONDUIT CONNECTION.
- P WALL MOUNTED JUNCTION BOX SIZE NOTED OR REQUIRED WITH BLANK SCREW COVER AND FLEXIBLE CONDUIT POWER CONNECTION FOR PREWIRED MODULAR FURNITURE. 3#10 & 3#10(NEUTRAL) & 1#10 (GROUND) 1"C.
- PLUGMOLD ASSEMBLY WITH RECEPTACLES SPACED EVERY 24" ON CENTER. ALTERNATE CIRCUITS FOR EVERY OTHER RECEPTACLE. VERIFY LENGTH ON FLOOR PLANS. PROVIDE 1-1/4"C. FOR COMMUNICATION CABLING UP ABOVE ACCESSIBLE CEILING. SIMILAR TO WIREMOLD #4000 DESIGNER SERIES.
  * ALL RECEPTACLES MOUNTED IN STUDENT AREAS SHALL BE TAMPER PROOF RECEPTACLES.

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

- $ — A.C. TYPE, SINGLE POLE, 20AMP, 120/277 VOLT.
- 3$ — A.C. TYPE, 3-WAY, 20AMP, 120/277V VOLT.
- 4$ — A.C. TYPE, 4-WAY, 20AMP, 120/277V VOLT.
- °$ — A.C. TYPE, 4-WAY, 20AMP, 120/277V VOLT, CONTROLS ZONE 'a'.
- IM$ — ICE MACHINE DISCONNECT SWITCH, INSTALL RECESSED JUNCTION BOX WITH FUSE BLOCK AND FUSES (SIZE PER MANUFACTURER), AT 14"H. (COORDINATE LOCATION WITH EQUIPMENT TO BE USED). INSTALL MANUAL MOTOR SWITCH AT 48"H. ENGRAVE JUNCTION BOX COVER TO READ 'ICE MACHINE FUSES'.
- $$ — TWO SWITCHES IN TWO GANG BOX UNDER ONE WALLPLATE (NOTE: IF SWITCHES ARE CONNECTED TO DIFFERENT PANELBOARDS PROVIDE STEEL BARRIER BETWEEN SWITCHES.).
- MC $ — MOMENTARY CONTACT, 15A., 3-POSITION.
- TS $ — MOTOR RATED TOGGLE SWITCH DISCONNECT, WITH THERMAL OVERLOADS, A.C. TYPE, 20AMP, 120/277 VOLT.
- M $ — MOTOR RATED TOGGLE SWITCH DISCONNECT, WITHOUT THERMAL OVERLOADS, A.C. TYPE, 20AMP, 120/277 VOLT.
- M $ 30/1 — MOTOR RATED TOGGLE SWITCH DISCONNECT, WITH THERMAL OVERLOADS, A.C. TYPE, 30AMP, 120/277 VOLT.
- RL $ — RAISE/LOWER SWITCH FOR PROJECTION SCREEN.

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.
- L3 — ROOM CONTROLLER – 3 ZONE DIMMING.
- 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.
- D3 — WALL DIMMER – ON/OFF & 0-10V 2-ZONE DIMMING.
- $ L — LOW VOLTAGE SWITCH, 2-BUTTON.
- $L2 — LOW VOLTAGE SWITCH CONNECTED TO LIGHTING CONTROL PANEL, 2-BUTTON.
- $L4 — LOW VOLTAGE SWITCH CONNECTED TO LIGHTING CONTROL PANEL, 4-BUTTON.
- $ 01 — OCCUPANCY SENSOR WALL SWITCH, DUAL TECHNOLOGY, ON/OFF.
- $ 02 — OCCUPANCY SENSOR WALL SWITCH, DUAL TECHNOLOGY, ON/OFF, RAISE LOWER.
- PUSH BUTTON, TOGGLE SWITCH, ROTARY SWITCH, ETC., FURNISHED WITH EQUIPMENT BY OTHER, INSTALLED AND WIRED BY THE ELECTRICAL CONTRACTOR.
- (P) — PHOTOCELL, TORK MODEL 5231 (120V), TWIST RECEPTACLE: TORK 2421.
  *COORDINATE WITH LIGHTING CONTROL DETAILS FOR MORE REQUIREMENTS.

BRANCH CIRCUITING

- RUN CONCEALED UNDER FLOOR OR IN GROUND SLAB.
- RUN CONCEALED IN CEILING OR WALLS.
- EXISTING – REMOVE IF EXPOSED, ABANDON IF CONCEALED, REMOVE ALL CONDUCTORS.
- SURFACE MOUNTED CONDUIT, RUN PARALLEL OR PERPENDICULAR TO BUILDING LINES.
- E — EMERGENCY.
- LIQUID-TIGHT FLEXIBLE CONDUIT CONNECTION.
- LA — 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 INDICATE PANELBOARD DESIGNATION.
- 10 / LA — HOMERUN TO PANEL. ANY CIRCUIT WITHOUT FURTHER IDENTIFICATION INDICATES 2#10 & 1#10 GROUND – 3/4"C. ~~10~~ ~~3#10 & 1#10 GROUND – 3/4"C.~~, ~~10~~ ~~4#10 & 1#10 GROUND – 3/4"C~~, ETC AS PER NEC. LETTERS INDICATED PANELBOARD DESIGNATION.
- 8 / LA — HOMERUN TO PANEL. ANY CIRCUIT WITHOUT FURTHER IDENTIFICATION INDICATES 2#10 & 1#10 GROUND – 3/4"C. ~~8~~ ~~3#10 & 1#10 GROUND – 3/4"C.~~, ~~8~~ ~~4#10 & 1#10 GROUND – 3/4"C~~, ETC AS PER NEC. LETTERS INDICATED PANELBOARD DESIGNATION.
- 6 — 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 FOR MAX AMPACITY OF CONDUCTOR SIZE AS SHOWN. SIZE CONDUIT PER NEC ANNEX C.
- RISER: UP, RUNNING TO SOURCE.
- RISER: DOWN, RUNNING TO SOURCE.

FIRE ALARM

- FACP — FIRE ALARM SYSTEM CONTROL PANEL.
- ANN — FIRE ALARM SYSTEM REMOTE ANNUNCIATOR.
- FPC — FIRE ALARM SYSTEM REMOTE ANNUNCIATOR.
- NAC — FIRE ALARM SYSTEM NOTIFICATION APPLIANCE CIRCUIT.
- FJ — JUNCTION BOX WITH HINGED COVER AND TERMINAL STRIP. 24"x24"x8" MINIMUM SIZE. SIZE LARGER AS REQUIRED.
- F — MINIMUM 3/4" CONDUIT UON. PROVIDE NUMBER AND TYPE OF CONDUCTORS AS REQUIRED BY MANUFACTURER. PROVIDE LARGER CONDUIT IF REQUIRED BY NEC.
- F — FIRE ALARM SYSTEM MANUAL PULL STATION.
- FS — FIRE ALARM SYSTEM VOICE EVAC SPEAKER.
- FS — FIRE ALARM SYSTEM VOICE EVAC SPEAKER/STROBE.
- F — COMBINATION CHIME AND LIGHT.
- F — ALARM SIGNAL LIGHT.
- FH — FIRE ALARM SYSTEM SIGNAL HORN.
- FH — FIRE ALARM SYSTEM SIGNAL HORN/STROBE.
- WP FH — FIRE ALARM SYSTEM SIGNAL HORN/STROBE. WEATHERPROOF.
- SS — FIRE ALARM SYSTEM SUPERVISORY SWITCH.
- TS — FIRE ALARM SYSTEM TAMPER SWITCH.
- FS — FIRE ALARM SYSTEM FLOW SWITCH.
- H — FIRE ALARM SYSTEM AUTOMATIC HEAT DETECTOR, 135 DEGREE/RATE OF RISER TYPE, CEILING MOUNTED.
- T H — FIRE ALARM SYSTEM AUTOMATIC HEAT DETECTOR, 190 DEGREE/RATE OF RISER TYPE, CEILING MOUNTED.
- SD — FIRE ALARM SYSTEM AUTOMATIC SMOKE DETECTOR, CEILING MOUNTED.
- CD — FIRE ALARM SYSTEM AUTOMATIC CARBON MONOXIDE DETECTOR, CEILING MOUNTED.
- E SD — FIRE ALARM SYSTEM AUTOMATIC SMOKE DETECTOR, CEILING MOUNTED, ELEVATOR RECALL.
- F — FIRE ALARM SYSTEM FLAME DETECTOR.
- DD — FIRE ALARM SYSTEM AUTOMATIC AIR DUCT SMOKE DETECTOR MOUNTED IN MECHANICAL DUCT.
- RP DD — FIRE ALARM SYSTEM AUTOMATIC AIR DUCT SMOKE DETECTOR MOUNTED IN MECHANICAL DUCT. PROVIDE AUXILIARY CONTACTS TO INITIATE SMOKE DAMPER CLOSURE, ADDRESSABLE. REMOTE ALARM PILOT LIGHT WITH KEY TEXT SWITCH.
- RT — FIRE ALARM SYSTEM REMOVE TEST STATION.
- ZC — FIRE ALARM SYSTEM ZONE MODULE, CONTROL TYPE.
- ZM — FIRE ALARM SYSTEM ZONE MODULE, MONITOR TYPE.
- ZS — FIRE ALARM SYSTEM ZONE MODULE, SIGNAL TYPE.
- FIRE ALARM SYSTEM MAGNETIC DOOR HOLDERS.
- F — FIRE ALARM SYSTEM SUPERVISED CIRCUITING IN CONDUIT, RACEWAY INSTALLED CONCEALED
- FIRE ALARM SYSTEM FIREMANS PHONE, MOUNTED 48" A.F.F. TO CENTERLINE.

DRAWING CONVENTIONS

- NEW WORK
- EXISTING TO REMAIN
- EXISTING TO REMOVE
- EX — EXISTING TO REMAIN
- XRR — EXISTING TO BE RELOCATED
- XRL — EXISTING RELOCATED
- XR — EXISTING TO BE REMOVED
- XRP — EXISTING TO BE REPLACED

COMMUNICATIONS

- (X) — WALL OUTLET – 4-1/2" SQ x 3-1/2" DEEP BOX, MOUNT 18" A.F.F., 'X' INDICATES NUMBER OF CAT 6 RJ-45 JACKS AND CAT 6 CABLES. SEE DETAILS SHEET E8 SERIES.
- C(X) — WALL OUTLET – 4-1/2" SQ x 3-1/2" DEEP BOX, MOUNT ABOVE COUNTER, 'X' INDICATES NUMBER OF CAT 6 RJ-45 JACKS AND CAT 6 CABLES. SEE DETAILS SHEET E8 SERIES.
- V(X) — WALL OUTLET – 4-1/2" SQ x 3-1/2" DEEP BOX FOR TV, COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS. 'X' INDICATES NUMBER OF CAT 6 RJ-45 JACKS AND CAT 6 CABLES. SEE DETAILS SHEET E8 SERIES.
- TBB — TELEPHONE BACKBOARD – SEE DETAIL SHEET E8 SERIES.
- WRELESS ACCESS POINT – SEE DETAIL SHEET E8 SERIES.
- CCTV — CCTV CAMERA – SEE DETAIL SHEET E8 SERIES.
- VS — VAPE SENSOR – SEE DETAIL SHEET E8 SERIES.
- COMMUNICATIONS RACK AND CABINET. SEE DETAIL SHEET E8 SERIES.

MISCELLANEOUS EQUIPMENT

- C — CONTACTOR
- R — RELAY
- T — TRANSFORMER
- SITE LIGHTING POLE
- EXTERIOR POST TOP LIGHT
- WH — WATER HEATER
- UH — UNIT HEATER
- EF — EXHAUST FAN
- GA — GENERATOR ANNUNCIATOR PANEL
- VAV — VARIABLE AIR VOLUME BOX
- ELE — ELEVATOR CONTROLLER
- VFD — VARIABLE FREQUENCY DRIVE
- GEN — GENERATOR ANNUNCIATOR PANEL
- ATS — AUTOMATIC TRANSFER SWITCH
- MTS — MANUAL TRANSFER SWITCH
- TS — TIME SWITCH

MISCELLANEOUS

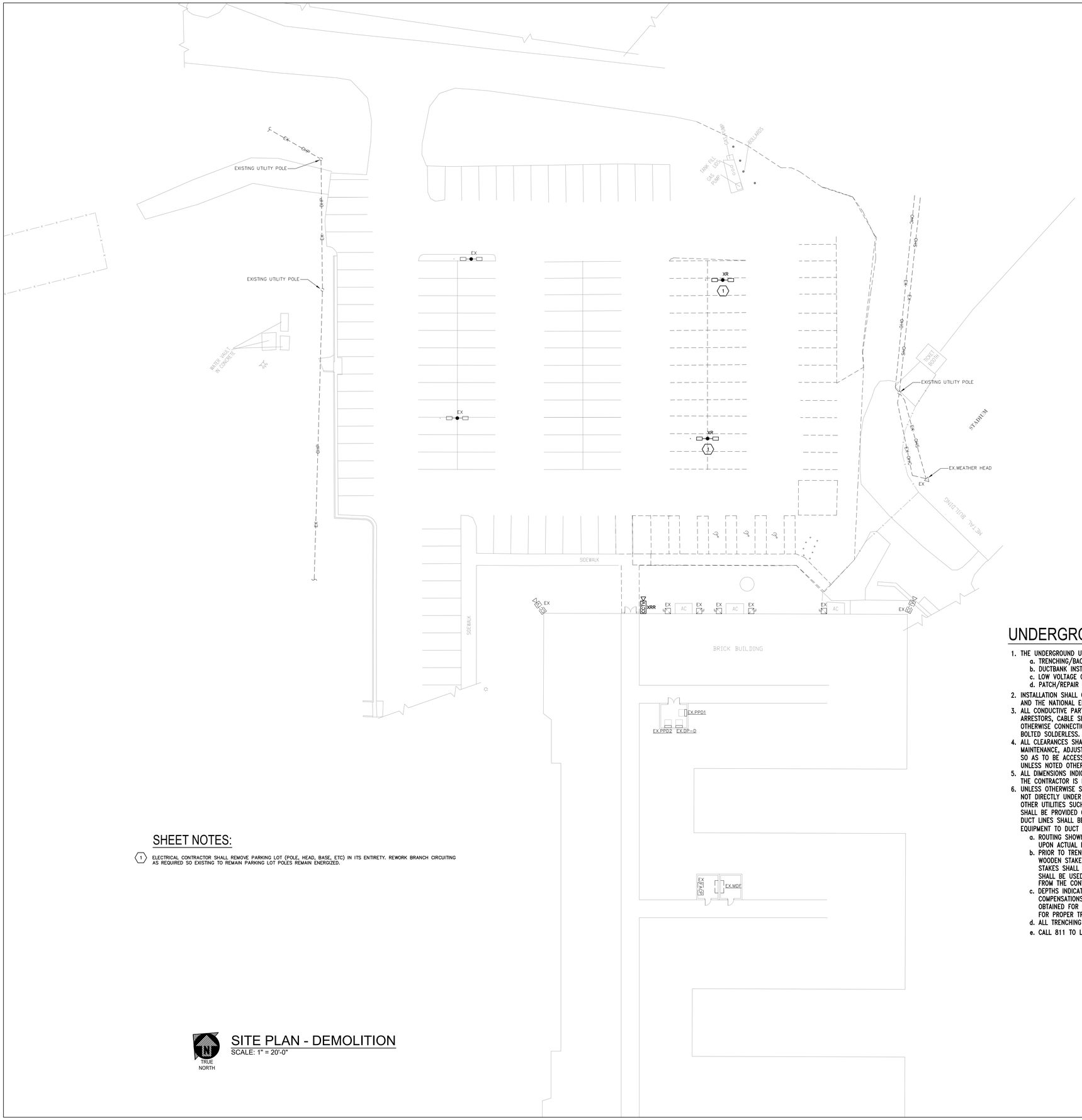
A	AMPERE
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AIC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINUM
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED
CKT	CIRCUITS
CL	CENTER LINE
CU	COPPER
CWP	COLD WATER PIPE
DIA	DIAMETER
EC	ELECTRICAL CONTRACTOR
EM	EMERGENCY
EMT	ELECTRIC METALLIC TUBING
EP	EXPLOSION PROOF
FMC	FLEXIBLE METAL CONDUIT
FLA	FULL LOAD AMPERES
G	GROUND
GFI	GROUND FAULT INTERRUPTER
GRC	GALVANIZED RIGID METAL CONDUIT
GRD	GROUND
H	MOUNTING HEIGHT ABOVE FINISHED FLOOR TO CENTERLINE
HP	HORSE POWER
KVA	KILOVOLT-AMPERES
KW	KILOWATT
KCMIL	THOUSAND CIRCULAR MILS
MCA	MINIMUM CIRCUIT AMPACITY
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
UNO	UNLESS NOTED OTHERWISE
V	VOLTAGE
W	WIRE
WP	WEATHERPROOF
#	NUMBER
3R	NEMA 3R WEATHERPROOF ENCLOSURE
4X	NEMA 4X WEATHERPROOF/CORROSION ENCLOSURE

PANELS AND POWER

- PANELBOARD SURFACE MOUNTED.
- 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.
- CIRCUIT BREAKER, XX/YY WHERE X INDICATES AMPERAGE, Y INDICATES # OF POLES.
- MAGNETIC MOTOR STARTER, SIZE 1.
- COMBINATION NON-FUSIBLE DISCONNECT SWITCH AND STARTER, XX/YY/ZZ WHERE X INDICATES AMPERAGE, Y INDICATES # OF POLES, AND Z INDICATES NEMA RATING.
- COMBINATION FUSIBLE DISCONNECT SWITCH AND STARTER, XX/YY/ZZ WHERE X INDICATES AMPERAGE, Y INDICATES # OF POLES, AND Z INDICATES NEMA RATING. FURNISH AND INSTALL FUSES PER MANUFACTURER'S RECOMMENDATIONS.
- 2 — MOTOR: SHOWN 2HP (TYPICAL)
- CIRCUIT BREAKER
- PAD MOUNTED TRANSFORMER
- GROUND
- METER

GENERAL ELECTRICAL NOTES:

1. THESE DRAWINGS ARE A PART OF A COMPLETE SET OF ARCHITECTURAL/ENGINEERING CONTRACT DOCUMENTS. ELECTRICAL CONTRACTOR SHOULD REFER TO THE ARCHITECTURAL PLANS FOR WALL DEFINITIONS, ELEVATIONS, CASEWORK, REFLECTED CEILING PLAN, ETC..
2. INSTALLATION SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE, STATE AND LOCAL CODES AND MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS.
3. MAINTAIN ALL CLEARANCES FOR ELECTRICAL EQUIPMENT PER THE NEC.
4. ALL SYMBOLS SHOWN ON THIS LEGEND MAY NOT BE USED.
5. ALL BRANCH CIRCUIT CONDUIT SHALL BE GALVANIZED EMT, JOINED AND TERMINATED WITH SET SCREW STEEL FITTING, 3/4" CONDUIT MINIMUM.
6. 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.
7. VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL BEFORE ROUGH-IN OF LIGHT SWITCHES TO ENSURE PROPER SWITCH LOCATION.
8. 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.
9. COORDINATE EXACT LOCATION OF ALL ELECTRICAL FLOOR DEVICES WITH ARCHITECT PRIOR TO INSTALLATION.
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. POWER AND COMMUNICATIONS RACEWAYS SHALL BE SEPARATED BY A MINIMUM 18".
11. ALL CIRCUITS SHOWN CONCEALED SHALL BE RUN IN FURRED CEILING SPACES AND SHALL BE CONCEALED IN CONCRETE SLAB ONLY WHEN NO FURRED CEILING SPACE IS PROVIDED.
12. 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.
13. ALL RACEWAYS INSTALLED ON EXTERIOR OF THE BUILDING, INCLUDING CONDUIT UNDER CANOPIES, SHALL BE GRC, EMT WILL NOT BE ACCEPTED.
14. 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.
15. ALL EMPTY WALL MOUNTED JUNCTION BOXES SHALL BE PROVIDED WITH A WALL BLANK AND ALL EMPTY RACEWAYS SHALL BE PROVIDED WITH PULL WIRES.
16. ALL CONDUITS CROSSING EXPANSION JOINTS SHALL HAVE EXPANSION TYPE FITTINGS.
17. ALL OUTLET BOXES MOUNTED BACK-TO-BACK IN WALLS SHALL HAVE FIREPROOF SOUND INSULATING MATERIAL INSTALLED BETWEEN THE BOXES TO PREVENT SOUND TRANSMISSION FROM ONE ROOM TO THE OTHER.
18. ALL FLUSH MOUNTED PANELS SHALL HAVE 3-1" EMPTY CONDUITS STUBBED OUT ABOVE CEILING FOR FUTURE CIRCUITS.
19. PROVIDE ALL CONDUIT STUBS WITH A PROTECTIVE COLLAR.
20. ENSURE 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.
21. ALL UNDERGROUND CONDUIT RUNS ENTERING THE BUILDING SHALL BE SEALED TO PREVENT THE ENTRANCE OF MOISTURE.
22. ALL FLEXIBLE CONDUITS ON THE EXTERIOR, IN WET LOCATIONS OR ANY MECHANICAL ROOM SHALL BE LIQUID TIGHT WITH SUITABLE FITTINGS.
23. 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 OPENING 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 IS INSTALLED. PENETRATIONS MADE AFTER THE DRYWALL CONTRACTOR HAS COMPLETED IN AN AREA SHALL BE SEALED BY THE CONTRACTOR MAKING THE PENETRATION.
24. PLANNED INTERRUPTIONS OF UTILITY SERVICE TO ANY EXISTING FACILITY OR AREAS WITHIN ANY FACILITY AFFECTED BY THIS CONTRACTOR 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.
25. ALL EMERGENCY LIGHTS AND EXIT SIGNS SHALL HAVE AN EMERGENCY BATTERY DRIVER CONNECTED AHEAD OF LOCAL SWITCHING, UNLESS EMERGENCY LIGHTING IS ON EMERGENCY CIRCUIT FROM A GENERATOR.
26. 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.
27. ALL JUNCTION BOX COVERS ABOVE THE CEILING SHALL BE CLEARLY MARKED WITH WHICH CIRCUITS OR ELECTRICAL SYSTEM THEY CONTAIN.
28. 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.
29. ALL BRANCH CIRCUITS SHALL INCLUDE A GREEN COVERED GROUND WIRE SIZED PER NEC OR AS SHOWN. CONNECT TO EACH DEVICE AND OUTLET BOX ON THE CIRCUIT AND TO THE PANELBOARD GROUND BUS. MULTIPLE WIRE BRANCH CIRCUITS WITH COMMON NEUTRAL REQUIRE ONLY ONE GROUND WIRE. NUMBER OF WIRES SHOWN ON DRAWINGS DOES NOT INCLUDED GROUND WIRE.
30. INFORMATION SHOWN ON THESE PLANS IS TAKEN FROM EXISTING DRAWINGS AND SITE SURVEY. PRIOR TO BID, THE ELECTRICAL CONTRACTOR SHALL VISIT SITE TO SURVEY EXISTING CONDITIONS AFFECTING WORK, INCLUDE NECESSARY MATERIALS AND LABOR TO ACCOMPLISH THE ELECTRICAL WORK, INCLUDING RELOCATION OF EXISTING EQUIPMENT TO ALLOW FOR NEW CONSTRUCTION. ANY CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER AND RESOLVED PRIOR TO BID. WORK SHALL BE COORDINATED WITH ALL OTHER TRADES.
31. MULTI-POLE BREAKERS SHALL BE USED TO SERVE MULTIWIRE BRANCH CIRCUITS. MULTIPLE SINGLE POLE BREAKERS MY BE USED IN CONJUNCTION WITH U.L. LIST



SHEET NOTES:

1. ELECTRICAL CONTRACTOR SHALL REMOVE PARKING LOT (POLE, HEAD, BASE, ETC) IN ITS ENTIRETY. REWORK BRANCH CIRCUITING AS REQUIRED SO EXISTING TO REMAIN PARKING LOT POLES REMAIN ENERGIZED.

TRUE NORTH

SITE PLAN - DEMOLITION

SCALE: 1" = 20'-0"

SITE LEGEND

- ----OHP---- OVERHEAD PRIMARY ELECTRICAL BY UTILITY
- ----OHS---- OVERHEAD SECONDARY
- ----UP---- UNDERGROUND PRIMARY
- ----US---- UNDERGROUND SECONDARY
- ----UC---- UNDERGROUND COMMUNICATIONS
- T — PAD MOUNTED TRANSFORMER
- PB — NEW IN GRADE PULLBOX. PROVIDE 30"x48"Lx30"D IN-GRADE JUNCTION BOX FOR COMMUNICATIONS SYSTEM. BOX SHALL BE COMPOSITE MATERIAL OF HIGH STRENGTH WITH COVER AND STAINLESS STEEL INSERTS. COVER SHALL HAVE LOGO INDICATING CONTENTS WITHIN COMMUNICATIONS BOX SHALL BE DESIGNED FOR TIER 15 RATING. MOUNT COVER FLUSH WITH GRADE. MOUNT ON A 12 INCH GRAVEL BED WITH 9 INCHES OF CONCRETE AROUND PERIMETER AND A 3 INCH SOIL TOP. SUBMIT BOX AND COVERS FOR APPROVAL. APPROVED MANUFACTURERS: CDR SYSTEMS CORP., HUBBELL, OLD CASTLE, HIGHLINE, QUAZITE.
- W — 8"X8"X4" WEATHERPROOF JUNCTION BOX. INSTALL TOP OF BOX FLUSH WITH GRADE.
- POLE MOUNTED LIGHTING FOR PARKING AREA.

UNDERGROUND UTILITY NOTES:

1. THE UNDERGROUND UTILITY PORTION OF THIS PROJECT CONSISTS OF BUT IS NOT LIMITED TO:
   a. TRENCHING/BACKFILLING FOR DUCT LINES AND CONDUIT SYSTEMS
   b. DUCTBANK INSTALLATIONS
   c. LOW VOLTAGE CONDUCTOR INSTALLATION
   d. PATCH/REPAIR ALL DAMAGED SURFACES AS A RESULT OF DUCTLINE INSTALLATIONS
2. INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL SAFETY CODE (NESC) AND THE NATIONAL ELECTRICAL CODE (NEC).
3. ALL CONDUCTIVE PARTS OF EQUIPMENT, ENCLOSURES, SUPPORTS, FRAMES, CASES, CONDUIT SYSTEMS AND SURGE ARRESTORS, CABLE SHEATHS, CABLE SHIELDS, COMMON NEUTRALS, ETC., SHALL BE GROUNDED. UNLESS NOTED OTHERWISE CONNECTIONS BELOW GRADE SHALL BE FUSION-WELDED AND ABOVE GRADE FUSION-WELDED OR BOLTED SOLDERLESS. ALL GROUND CONDUCTORS SHALL BE COPPER.
4. ALL CLEARANCES SHALL BE MAINTAINED PER NESC AND NEC. ALL PARTS, DEVICES, EQUIPMENT, ETC. WHICH REQUIRE MAINTENANCE, ADJUSTMENT, OPERATION OR EXAMINATION DURING NORMAL NETWORK OPERATION SHALL BE ARRANGED SO AS TO BE ACCESSIBLE BY THE PROVISION OF ADEQUATE WORKING SPACES, WORKING FACILITIES AND CLEARANCES. UNLESS NOTED OTHERWISE ALL CLEARANCES ARE MEASURED FROM SURFACE TO SURFACE.
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.
6. UNLESS OTHERWISE SHOWN OR DIRECTED DUCT LINES SHALL NOT BE LOCATED DIRECTLY UNDER STRUCTURES AND NOT DIRECTLY UNDER OR OVER OTHER SUBSURFACE STRUCTURES. WHERE DUCT LINES ARE REQUIRED TO CROSS OTHER UTILITIES SUCH AS SEWERS, WATER LINES, OTHER POWER LINES, COMMUNICATION LINES, ETC., ADEQUATE SUPPORT SHALL BE PROVIDED ON EACH SIDE OF THE CROSSING TO PREVENT TRANSFERRING ANY DIRECT LOAD ONTO THE OTHER LINE. DUCT LINES SHALL BE SO INSTALLED AS TO PREVENT HEAT TRANSFER BETWEEN ANY HEAT PRODUCING LINES AND/OR EQUIPMENT TO DUCT LINES.
   a. ROUTING SHOWN ON DRAWINGS IS TYPICAL AND THE CONTRACTOR SHALL PROPOSE FINAL ROUTING BASED UPON ACTUAL FIELD DIMENSIONS, CONDITIONS AND EXISTING UNDERGROUND UTILITIES AND STRUCTURES.
   b. PRIOR TO TRENCHING, THE CONTRACTOR SHALL STAKE OUT THE ENTIRE NETWORK ARRANGEMENT. ONE GRADE A WOODEN STAKE WITH RED FLAG SHALL BE DRIVEN EVERY 50'-0" AND AT EACH CHANGE OF DIRECTION. FOUR STAKES SHALL BE DRIVEN TO OUTLINE EQUIPMENT AND/OR MANHOLE LOCATIONS. ON PAVEMENTS RED PAINT SHALL BE USED TO OUTLINE THE AREAS TO BE CUT. SECURE EXISTING UNDERGROUND UTILITY INFORMATION FROM THE CONTRACTING OFFICER PRIOR TO PERFORMING ANY TRENCHING.
   c. DEPTHS INDICATED FOR INSTALLATION ARE MINIMUM. ACTUAL DEPTHS MAY VARY DUE TO TERMINATIONS, COMPENSATIONS FOR RADIUS OF VERTICAL TRANSITIONS, EXISTING UTILITY CROSSINGS, ETC. APPROVAL SHALL BE OBTAINED FOR ANY DEPTH LESS THAN INDICATED. TRENCHES SHALL BE OVER-EXCAVATED AS NECESSARY TO ALLOW FOR PROPER TRENCH PREPARATION, DUCT BANK CONSTRUCTION, FORMING AND/OR BACKFILLING REQUIREMENTS.
   d. ALL TRENCHING AND BACKFILL COMPACTION SHALL COMPLY WITH GEOTECHNICAL REPORT AND DIVISION 200.
   e. CALL 811 TO LOCATE UTILITIES BEFORE YOU DIG. COORDINATE WITH OWNER FOR THEIR KNOWLEDGE OF THE SITE ALSO.

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LATHAN ▪ McKEE ARCHITECTS

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE: SITE PLAN - DEMOLITION

ALABAMA REGISTERED NO. 26888 PROFESSIONAL ENGINEER KENNETH RAY GUNN
7-2-26

PROJ. MGR.:	FGH
DRAWN:	FJP/KRG
DATE:	07/02/26
REVISIONS	

JOB NO. MKA-26-032-00
SHEET NO: E1.1

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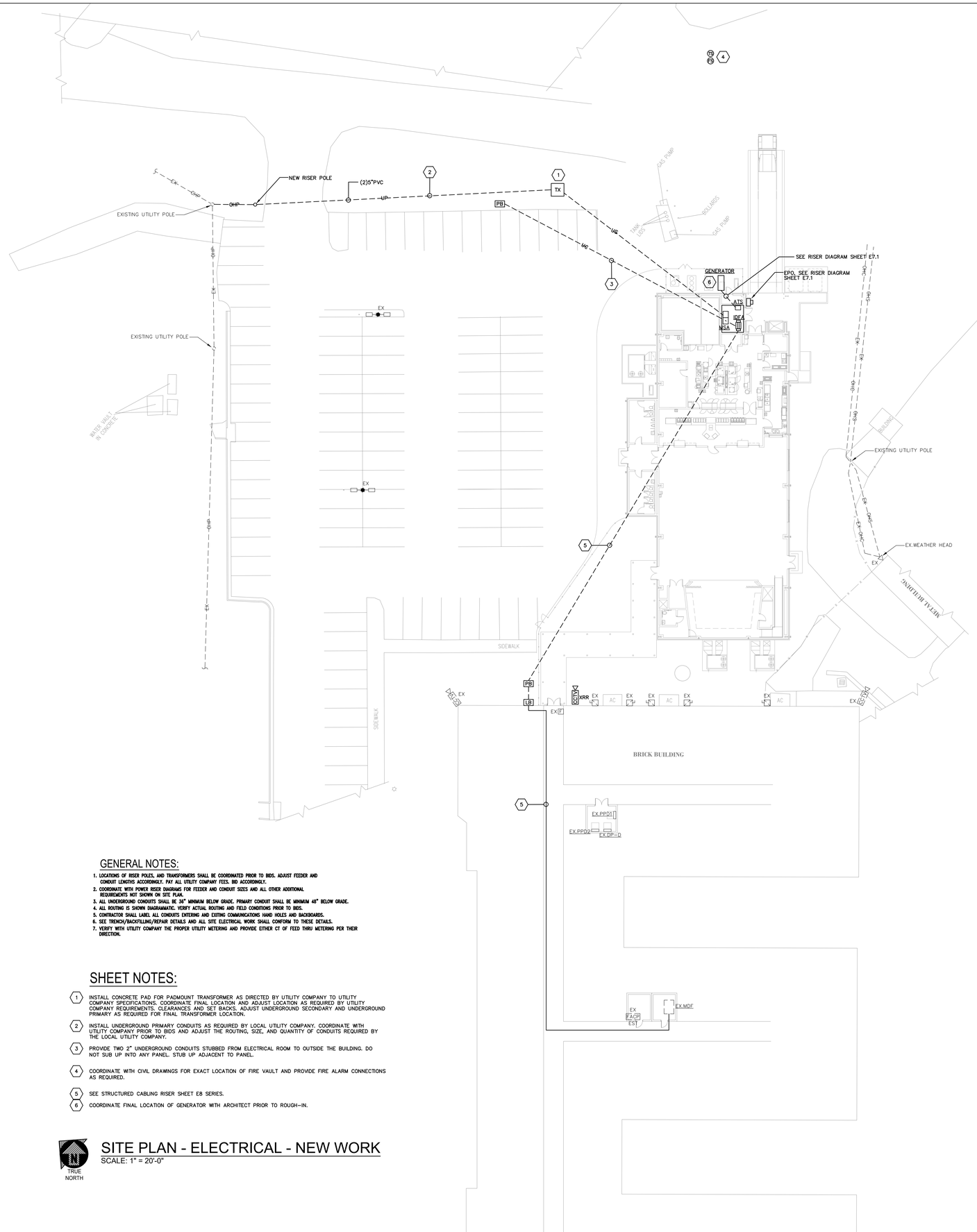
Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE: SITE PLAN - ELECTRICAL - NEW WORK



GENERAL NOTES:

1. LOCATIONS OF RISER POLES, AND TRANSFORMERS SHALL BE COORDINATED PRIOR TO BIDS. ADJUST FEEDER AND CONDUIT LENGTHS ACCORDINGLY. PAY ALL UTILITY COMPANY FEES. BID ACCORDINGLY.
2. COORDINATE WITH POWER RISER DIAGRAMS FOR FEEDER AND CONDUIT SIZES AND ALL OTHER ADDITIONAL REQUIREMENTS NOT SHOWN ON SITE PLAN.
3. ALL UNDERGROUND CONDUITS SHALL BE 36" MINIMUM BELOW GRADE. PRIMARY CONDUIT SHALL BE MINIMUM 48" BELOW GRADE.
4. ALL ROUTING IS SHOWN DIAGRAMMATIC. VERIFY ACTUAL ROUTING AND FIELD CONDITIONS PRIOR TO BIDS.
5. CONTRACTOR SHALL LABEL ALL CONDUITS ENTERING AND EXITING COMMUNICATIONS HAND HOLES AND BACKBOARDS.
6. SEE TRENCH/BACKFILLING/REPAIR DETAILS AND ALL SITE ELECTRICAL WORK SHALL CONFORM TO THESE DETAILS.
7. VERIFY WITH UTILITY COMPANY THE PROPER UTILITY METERING AND PROVIDE EITHER CT OF FEED THRU METERING PER THEIR DIRECTION.

SHEET NOTES:

1. INSTALL CONCRETE PAD FOR PADMOUNT TRANSFORMER AS DIRECTED BY UTILITY COMPANY TO UTILITY COMPANY SPECIFICATIONS. COORDINATE FINAL LOCATION AND ADJUST LOCATION AS REQUIRED BY UTILITY COMPANY REQUIREMENTS. CLEARANCES AND SET BACKS. ADJUST UNDERGROUND SECONDARY AND UNDERGROUND PRIMARY AS REQUIRED FOR FINAL TRANSFORMER LOCATION.
2. INSTALL UNDERGROUND PRIMARY CONDUITS AS REQUIRED BY LOCAL UTILITY COMPANY. COORDINATE WITH UTILITY COMPANY PRIOR TO BIDS AND ADJUST THE ROUTING, SIZE, AND QUANTITY OF CONDUITS REQUIRED BY THE LOCAL UTILITY COMPANY.
3. PROVIDE TWO 2" UNDERGROUND CONDUITS STUBBED FROM ELECTRICAL ROOM TO OUTSIDE THE BUILDING. DO NOT SUB UP INTO ANY PANEL. STUB UP ADJACENT TO PANEL.
4. COORDINATE WITH CIVIL DRAWINGS FOR EXACT LOCATION OF FIRE VAULT AND PROVIDE FIRE ALARM CONNECTIONS AS REQUIRED.
5. SEE STRUCTURED CABLING RISER SHEET E8 SERIES.
6. COORDINATE FINAL LOCATION OF GENERATOR WITH ARCHITECT PRIOR TO ROUGH-IN.

TRUE NORTH

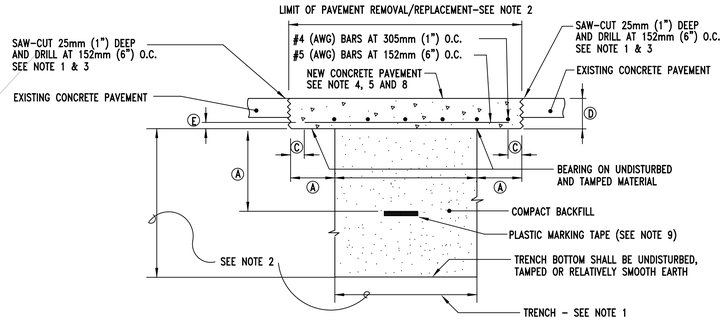
SITE PLAN - ELECTRICAL - NEW WORK

SCALE: 1" = 20'-0"

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.



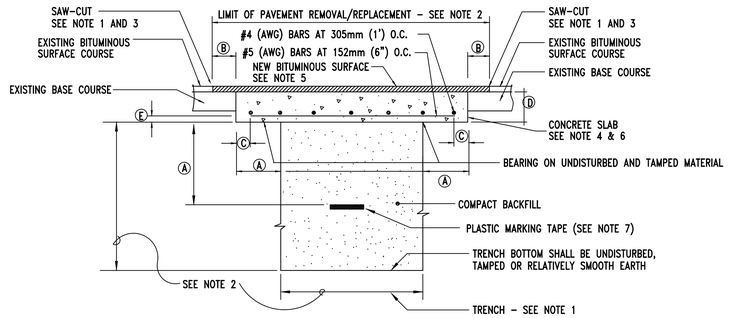
1 / E1.2 SECTION - TYPICAL TRENCH/BACKFILL/REPAIR RIGID PAVEMENT

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.



2 / E1.2 SECTION - TYPICAL TRENCH/BACKFILL/REPAIR FLEXIBLE PAVEMENT

NO SCALE

NOTES:

1. TRENCH/CUT EXISTING SURFACES. BACKFILL/PATCH/REPAIR AND INSTALL NEW SOD.
2. TRENCH DEPTH AND WIDTH SHALL BE AS REQUIRED FOR THE INSTALLATION OF THE RACEWAY LINE SPECIFIED. SEE APPLICABLE RACEWAY LINE SECTION.
3. PLASTIC MARKER TAPE SHALL BE RED AND CONTAIN FOIL BACKING OR EQUIVALENT TO ENABLE DETECTION BY A METAL DETECTOR. SEE SPECIFICATIONS.

DIMENSION BLOCK		
REF	SI	ENGLISH
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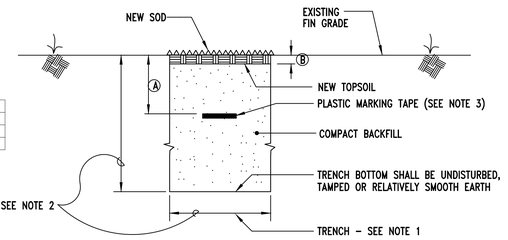
B	51mm	0'-2"



3 / E1.2 SECTION - TYPICAL TRENCH/BACKFILL/REPAIR SODDED AREAS

NO SCALE

ALABAMA REGISTERED (formerly 24) NO. 26988 PROFESSIONAL ENGINEER KENNETH RAY GUNN JR. 7-2-26

PROJ. MGR.: FGH
DRAWN: FJP/KRG
DATE: 07/02/26
REVISIONS

JOB NO. MKA-26-032-00
SHEET NO: E1.2

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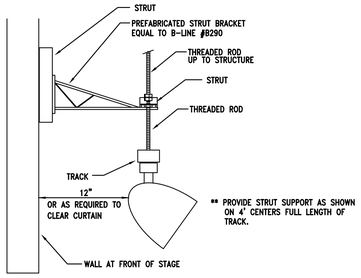
ROOM CONTROLLER NOTES:

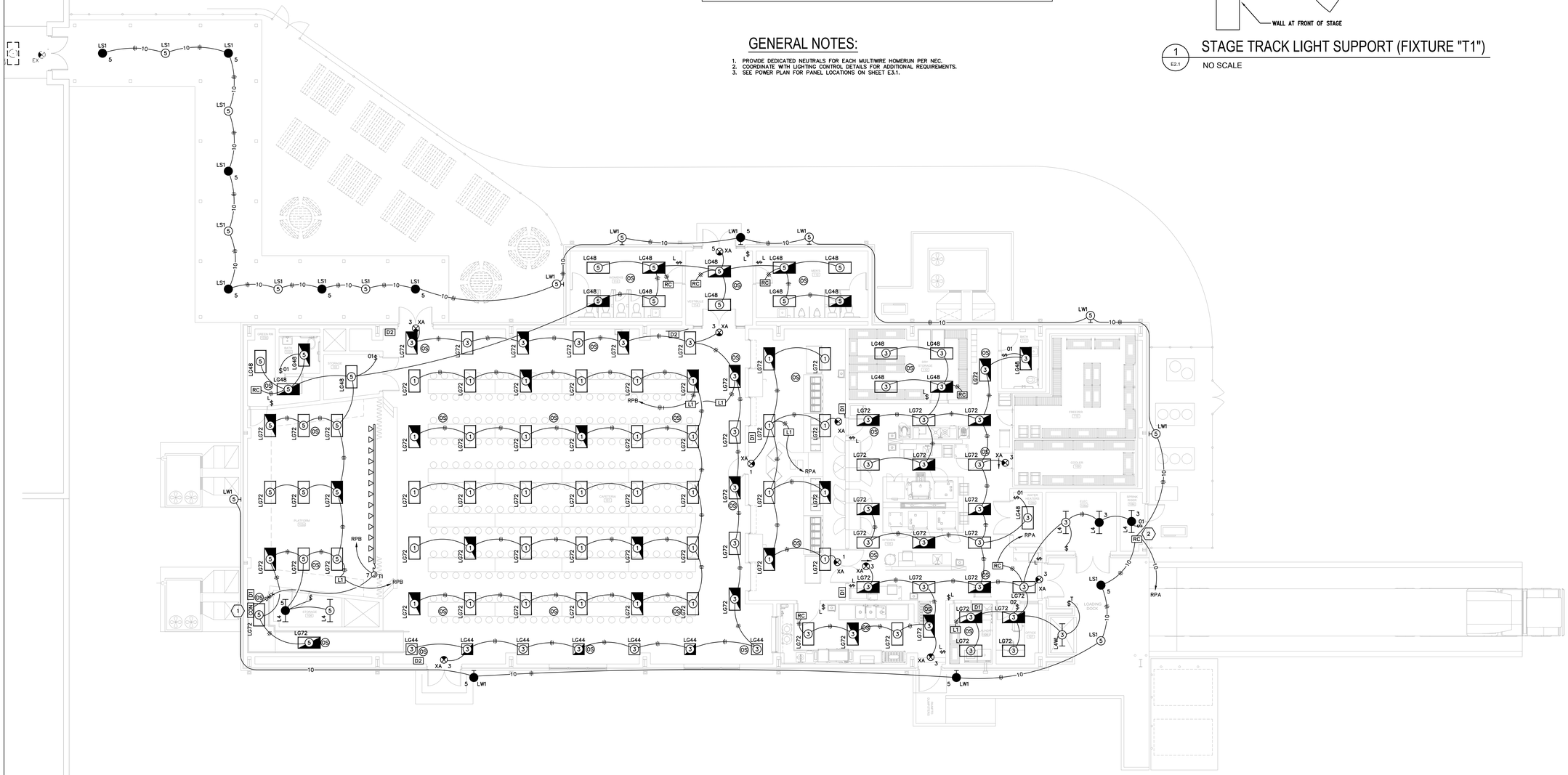
1. CONTRACTOR SHALL LOCATE ALL ROOM CONTROLLERS ABOVE DOORS IN EACH ROOM 6" ABOVE CEILING GRID. PROVIDE ACCESS PANELS WHERE LOCATED ABOVE HARD CEILINGS OR MOUNT IN UTILITY TYPE ROOMS WHENEVER POSSIBLE. ROOM CONTROLLERS SHOWN ON THIS PLAN IS DIAGRAMMATIC FOR CIRCUITRY. DO NOT USE THESE FOR ACTUAL LOCATIONS. 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.

GENERAL NOTES:

1. PROVIDE DEDICATED NEUTRALS FOR EACH MULTIWIRE HOMERUN PER NEC.
2. COORDINATE WITH LIGHTING CONTROL DETAILS FOR ADDITIONAL REQUIREMENTS.
3. SEE POWER PLAN FOR PANEL LOCATIONS ON SHEET E3.1.



1 / E2.1 STAGE TRACK LIGHT SUPPORT (FIXTURE "T1")
NO SCALE



FIRST FLOOR PLAN - LIGHTING
SCALE: 1/8" = 1'-0"

TRUE NORTH

SHEET NOTES:

1. WALL MOUNTED DMX CONTROLLER FOR RGB TRACK LIGHTING PROVIDE BRANCH CIRCUITING AS RECOMMENDED BY MANUFACTURER.
2. PROVIDE ROOM CONTROLLER WITH INTERNAL ASTRONOMICAL TIME CLOCK AND PHOTOCELL TO MEET ASHRAE 90.1 2013.

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE: FIRST FLOOR PLAN - LIGHTING

ALABAMA REGISTERED No. 26368 PROFESSIONAL ENGINEER KENNETH RAY GUNN, JR. 7-2-26

PROJ. MGR.:	FGH
DRAWN:	FJP/KRG
DATE:	07/02/26
REVISIONS	

JOB NO. MKA-26-032-00

SHEET NO: E2.1

0 1" 2"

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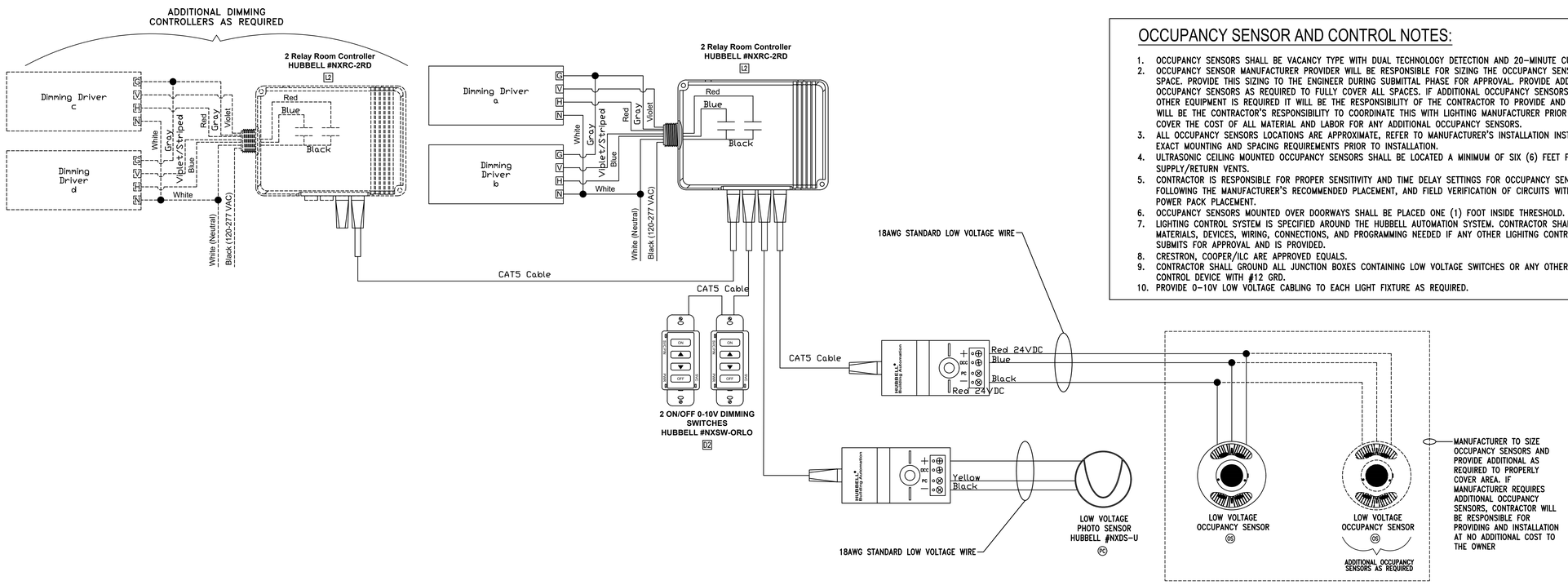
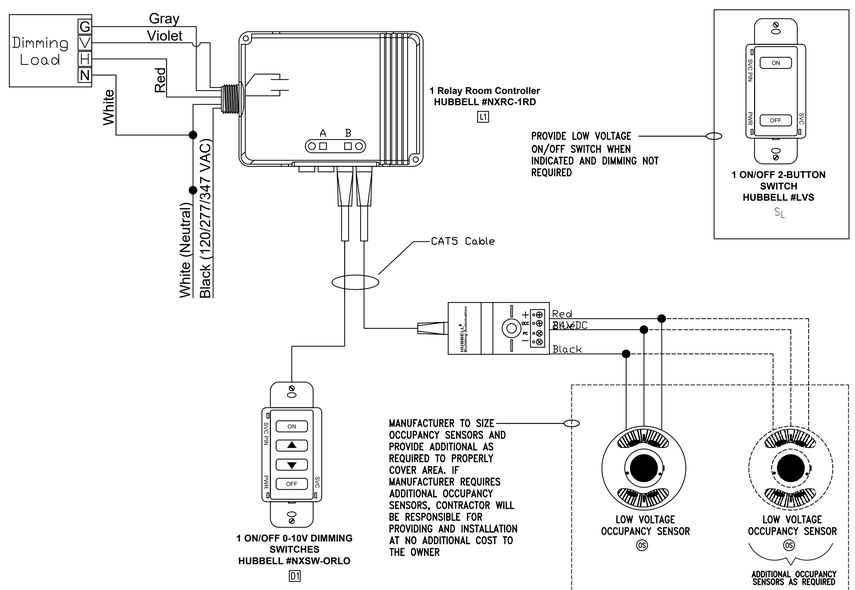
ARCHITECTS



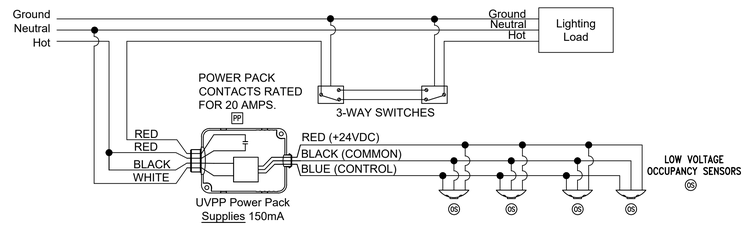
OCCUPANCY SENSOR AND CONTROL NOTES:

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. CRESTRON, COOPER/ILC 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 0-10V LOW VOLTAGE CABLING TO EACH LIGHT FIXTURE AS REQUIRED.

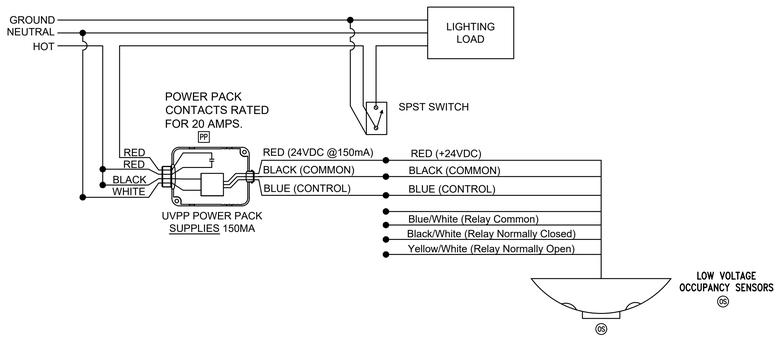
1 E2.2 TYPICAL MULTIPLE OCCUPANCY SENSOR, PHOTOCELL, MULTIPLE 0-10V DIMMING ZONES
NO SCALE



2 E2.2 TYPICAL MULTIPLE OCCUPANCY SENSOR, SINGLE 0-10V DIMMING SYSTEM
NO SCALE



3 E2.2 TYPICAL 3-WAY SWITCHING OCCUPANCY SENSOR WIRING DIAGRAM
NO SCALE



4 E2.2 TYPICAL SINGLE SWITCH OCCUPANCY SENSOR WIRING DIAGRAM
NO SCALE

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE: LIGHTING CONTROLS

ALABAMA REGISTERED
Kenneth Ray Gunn
NO. 26988
PROFESSIONAL
7-2-26
ENGINEER
KENNETH RAY GUNN, JR.

PROJ. MGR.: FGH
DRAWN: FJP/KRG
DATE: 07/02/26
REVISIONS

JOB NO.
MKA-26-032-00
SHEET NO:
E2.2

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Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14
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Tel: 334.285.1273
1200 Providence Park, Suite 200
Birmingham, AL 35242
GA#26-090

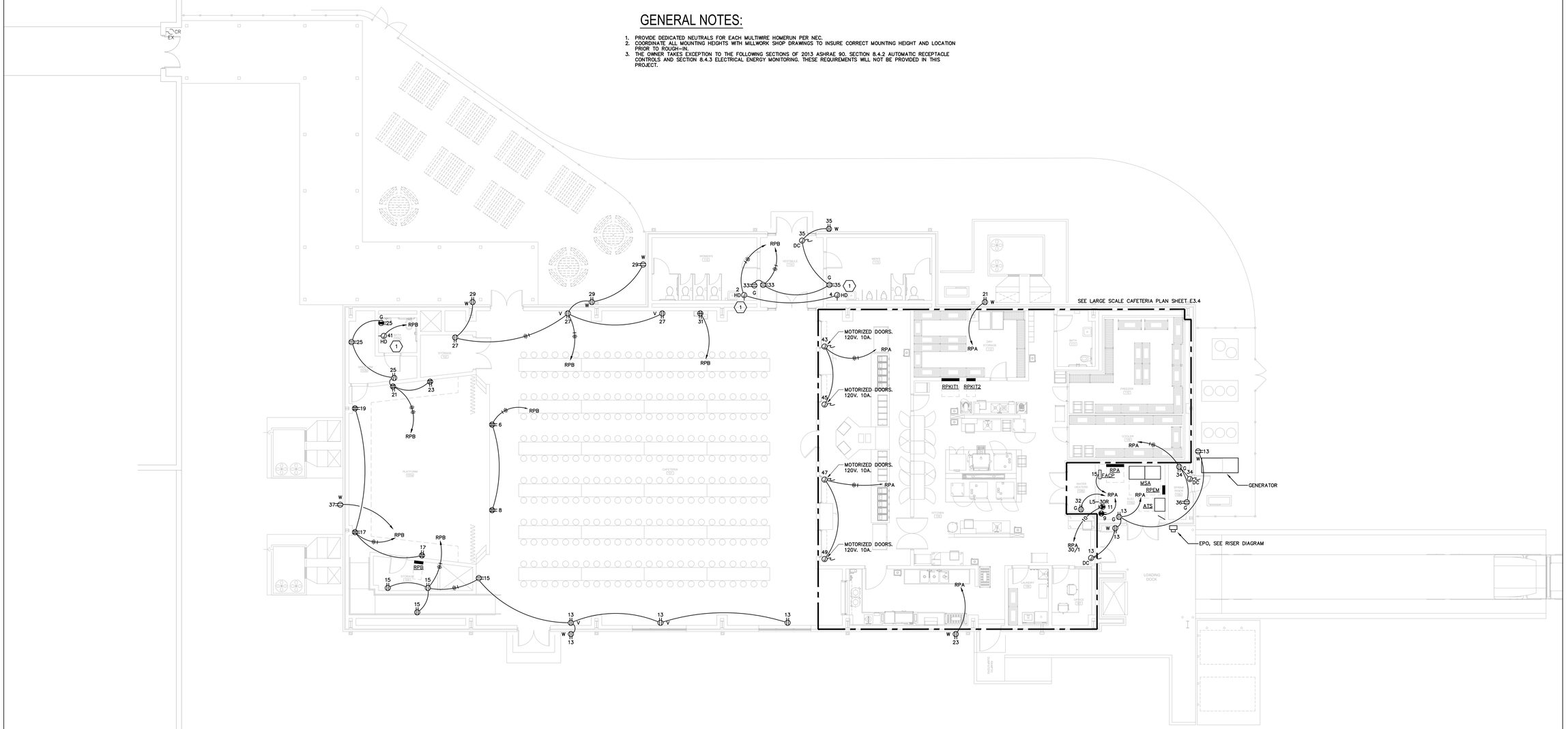
LATHAN ▪ McKEE ARCHITECTS

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE: FIRST FLOOR PLAN - POWER

GENERAL NOTES:

1. PROVIDE DEDICATED NEUTRALS FOR EACH MULTIWIRE HOMERUN PER NEC.
2. COORDINATE ALL MOUNTING HEIGHTS WITH MILLWORK SHOP DRAWINGS TO INSURE CORRECT MOUNTING HEIGHT AND LOCATION PRIOR TO ROUGH-IN.
3. THE OWNER TAKES EXCEPTION TO THE FOLLOWING SECTIONS OF 2013 ASHRAE 90. SECTION 8.4.2 AUTOMATIC RECEPTACLE CONTROLS AND SECTION 8.4.3 ELECTRICAL ENERGY MONITORING. THESE REQUIREMENTS WILL NOT BE PROVIDED IN THIS PROJECT.



FIRST FLOOR PLAN - POWER

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

TRUE NORTH

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.

ALABAMA REGISTERED No. 26368 PROFESSIONAL 7-2-26 ENGINEER KENNETH RAY GUNN, JR.

PROJ. MGR.:	FGH
DRAWN:	FJP/KRG
DATE:	07/02/26
REVISIONS	

JOB NO. MKA-26-032-00

SHEET NO: E3.1

0 1" 2"

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Millbrook, AL 36054
Tel: 334.285.1273
1200 Providence Park, Suite 200
Birmingham, AL 35242
GA#26-090

LATHAN ▪ McKEE ARCHITECTS

GENERAL NOTES:

1. SEE GENERAL EQUIPMENT SCHEDULE FOR ELECTRICAL REQUIREMENTS OF TAGGED EQUIPMENT ON SHEET E3.3.

TRUE NORTH

FIRST FLOOR PLAN - EQUIPMENT POWER

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

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE: FIRST FLOOR PLAN - EQUIPMENT POWER

ALABAMA REGISTERED No. 26898 PROFESSIONAL ENGINEER KENNETH RAY GUNN
7-6-26

PROJ. MGR.:	FGH
DRAWN:	FJP/KRG
DATE:	07/06/26
REVISIONS	
1	7-6-26

JOB NO. MKA-26-032-00

SHEET NO: E3.2

0 1" 2"

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GA#26-090

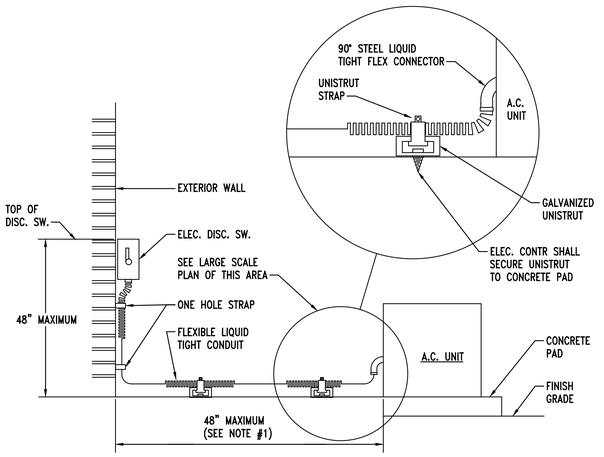
LATHAN
McKEE
ARCHITECTS

GENERAL EQUIPMENT SCHEDULE 1

EQUIPMENT MARK:	EQUIPMENT DESCRIPTION:	VOLTAGE/PHASE:	ELECTRICAL CHARACTERISTICS:			DISCONNECT:	FUSE:	HOMERUN:	FEEDER:
			HP	KW	AMPS				
EDH-1	ELECTRIC DUCT HEATER	208V., 3PH.	----	36.0	----	200/3/1	F	MSA# 19,21,23	3#1 & 1#6(G) 2"C.
EDH-2	ELECTRIC DUCT HEATER	208V., 3PH.	----	36.0	----	200/3/1	F	MSA# 25,27,29	3#1 & 1#6(G) 2"C.
EF-A1	EXHAUST FAN	120V., 1PH	----	0.235	----	TS	NOTE 7	RPB# 39	2#12 & 1#12(G) 3/4"C.
EF-A2	EXHAUST FAN	120V., 1PH	----	0.235	----	TS	NOTE 7	RPB# 39	2#12 & 1#12(G) 3/4"C.
EF-B1	EXHAUST FAN	120V., 1PH	----	0.084	----	TS	NOTE 7	RPA# 25	2#12 & 1#12(G) 3/4"C.
EF-B2	EXHAUST FAN	120V., 1PH	----	0.084	----	TS	NOTE 7	RPA# 25	2#12 & 1#12(G) 3/4"C.
EF-C	EXHAUST FAN	208V., 3PH.	2.0	----	----	30/3/3R	F	RPA# 27,29,31	3#12 & 1#12(G) 3/4"C.
EF-D	EXHAUST FAN	208V., 3PH.	2.0	----	----	30/3/3R	F	RPA# 33,35,37	3#12 & 1#12(G) 3/4"C.
EF-E	EXHAUST FAN	208V., 1PH.	1/2	----	----	30/2/3R	F	RPA# 39,41	2#12 & 1#12(G) 3/4"C.
EUH-A	ELECTRIC UNIT HEATER	208V., 3PH.	----	3.0	----	30/3/1	F	RPA# 57,59,61	3#12 & 1#12(G) 3/4"C.
ICCHP-A	INDOOR CEILING CASSETTE HEAT PUMP	208V., 1PH.	----	----	1.5	30/2/1	F	RPA# 2,4	2#12 & 1#12(G) 3/4"C.
IDHP-A	INDOOR DUCTLESS HEAT PUMP	208V., 1PH.	----	----	1.5	30/2/1	F	RPA# 6,8	2#12 & 1#12(G) 3/4"C.
OCCHP-A	OUTDOOR CEILING CASSETTE HEAT PUMP	208V., 1PH.	----	----	19.0	30/2/3R	F	RPA# 10,12	2#10 & 1#10(G) 3/4"C.
ODHP-A	OUTDOOR DUCTLESS HEAT PUMP	208V., 1PH.	----	----	11.0	30/2/3R	F	RPA# 14,16	2#10 & 1#10(G) 3/4"C.
PHP-A1	PACKAGED HEAT PUMP	208V., 3PH.	----	----	224.0	400/3/3R	F	MSA# 1,3,5	3#250KCMIL & 1#4(G) 2-1/2"C.
PHP-A2	PACKAGED HEAT PUMP	208V., 3PH.	----	----	224.0	400/3/3R	F	MSA# 7,9,11	3#250KCMIL & 1#4(G) 2-1/2"C.
PHP-B	PACKAGED HEAT PUMP	208V., 3PH.	----	----	258.0	400/3/3R	F	MSA# 13,15,17	3#350KCMIL & 1#4(G) 3"C.
SAF-1	MAKE-UP EXHAUST FAN	208V., 3PH.	3/4	----	----	30/3/1	F	RPA# 18,20,22	3#12 & 1#12(G) 3/4"C.
SAF-2	MAKE-UP EXHAUST FAN	208V., 3PH.	3/4	----	----	30/3/1	F	RPA# 24,26,28	3#12 & 1#12(G) 3/4"C.
TC-1	TIME CLOCK	120V., 1PH	----	----	1.0	TS		RPA# 30	2#12 & 1#12(G) 3/4"C.
RC-1	CIRCULATING PUMP	120V., 1PH	----	----	5.0	TS		RPA# 30	2#12 & 1#12(G) 3/4"C.
H-1	HOOD	120V., 1PH	----	----	5.0	TS		RPKIT1# 75	2#12 & 1#12(G) 3/4"C.
H-2	HOOD	120V., 1PH	----	----	5.0	TS		RPKIT1# 77	2#12 & 1#12(G) 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.

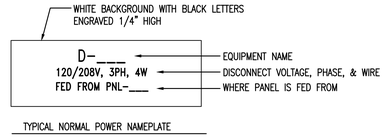
NOTE:
1. FOR DISTANCE GREATER THAN 48" CONDUIT TO BE ROUTED BELOW GRADE WITH 6" OF MECH. UNIT, STUB-UP W/ RIGID ELBOW THRU CONCRETE PAD. PROVIDE FLEXIBLE CONNECTION FROM ELBOW TO MECH. UNIT, W/ CONNECTION MADE AT UNIT AS SHOWN ABOVE.



2 E3.3 MECHANICAL UNIT CONNECTION DETIAL
NO SCALE

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 (2) THIS SHEET, NO EXCEPTIONS.
7. PROVIDE DEDICATED NEUTRALS FOR EACH MULTIWIRE HOMERUN PER NEC.
8. COORDINATE WITH GENERAL EQUIPMENT SCHEDULES FOR CIRCUITRY OF ALL EQUIPMENT TAGGED EQUIPMENT POWER SHEETS.
9. SEE DETAIL 1 THIS SHEET FOR MECHANICAL UNIT CONNECTION DETAIL.



TYPICAL NORMAL POWER NAMEPLATE

1 E3.3 DETAIL - TYPICAL DISCONNECT NAMEPLATE
NO SCALE

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE: EQUIPMENT SCHEDULES AND NOTES

ALABAMA REGISTERED Kenneth Ray Gunn NO. 26888 PROFESSIONAL ENGINEER 7-6-26

PROJ. MGR.: FGH	
DRAWN: FJP/KRG	
DATE: 07/06/26	
REVISIONS	
1	7-6-26

JOB NO. MKA-26-032-00
SHEET NO: E3.3

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Cafeteria Addition
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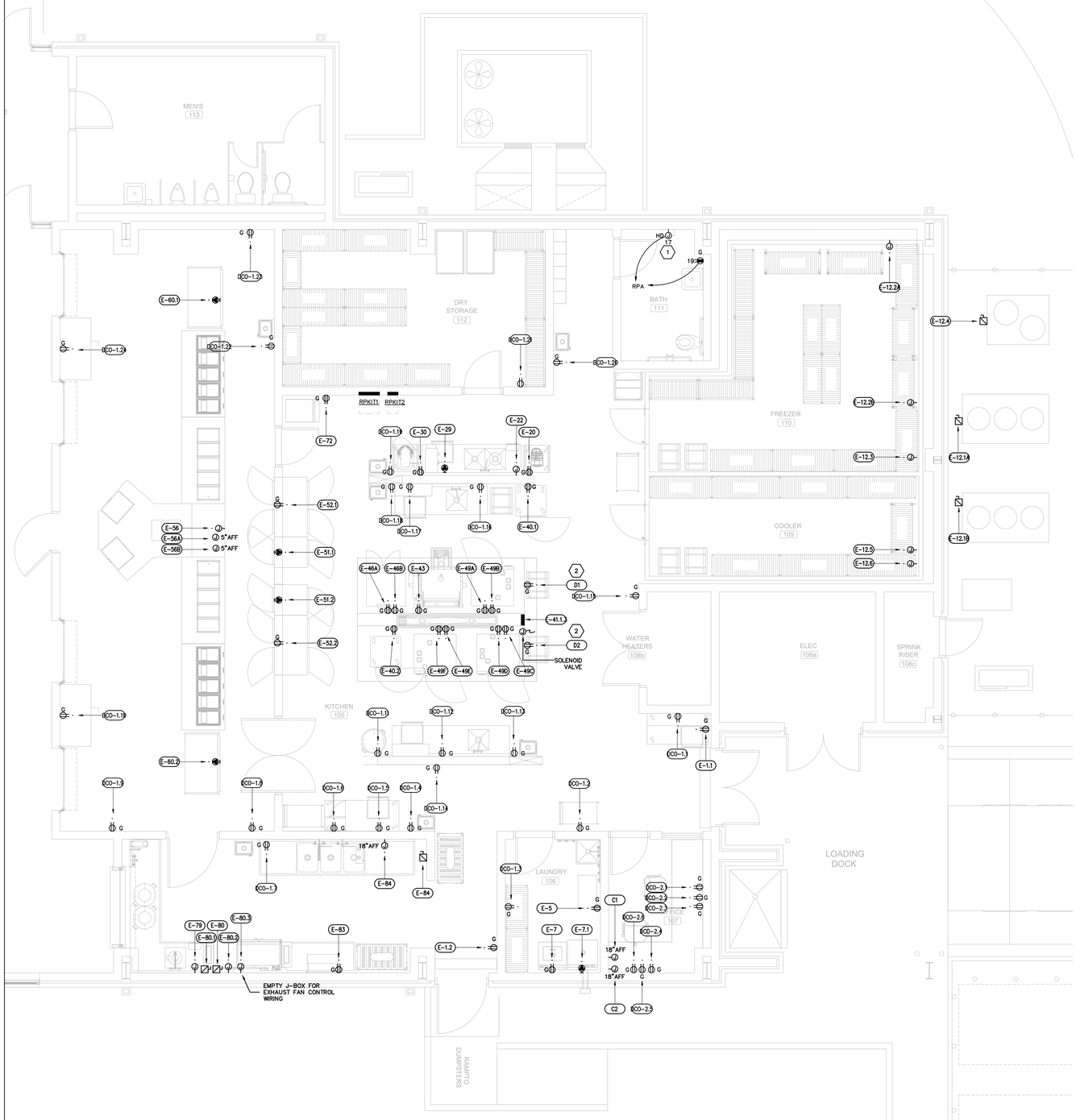

LARGE FLOOR PLAN - CAFETERIA - EQUIPMENT POWER

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

KITCHEN EQUIPMENT SCHEDULE

EQUIPMENT MARK:	EQUIPMENT DESCRIPTION:	VOLTAGE/PHASE:	ELECTRICAL CHARACTERISTICS: HP	KW	AMPS	DISCONNECT:	FUSE:	HOMERUN:	FEEDER:	MOUNTING HEIGHT:
E-1.1	AIR CURTAIN	120V., 1PH.	----	----	6.5	5-20R		RPKIT1# 1	2#12 & 1#12(G) 3/4"C.	78"AFF
E-1.2	AIR CURTAIN	120V., 1PH.	----	----	6.5	5-20R		RPKIT1# 3	2#12 & 1#12(G) 3/4"C.	78"AFF
E-5	FLOOR SCRUBBER	120V., 1PH.	1.0	----	----	5-20R		RPKIT1# 5	2#12 & 1#12(G) 3/4"C.	49"AFF
E-7	WASHER	120V., 1PH.	----	----	10.0	5-20R		RPKIT1# 7	2#12 & 1#12(G) 3/4"C.	
E-7.1	DRYER	208V., 1PH.	----	----	20.0	14-30R		RPKIT1# 9,11	3#10 & 1#10(G) 1"C.	
E-12.1A	FREEZER CONDENSING UNIT	208V., 3PH.	----	----	32.7	60/3/3R	F	RPEM# 1,3,5	3#8 & 1#10(G) 1"C.	PAD MOUNTED
E-12.1B	FREEZER CONDENSING UNIT	208V., 3PH.	----	----	32.7	60/3/3R	F	RPEM# 7,9,11	3#8 & 1#10(G) 1"C.	PAD MOUNTED
E-12.2A	FREEZER EVAP COIL	208V., 1PH.	----	----	32.2	60/2/1	F	RPEM# 13,15	2#8 & 1#10(G) 1"C.	126"AFF
E-12.2B	FREEZER EVAP COIL	208V., 1PH.	----	----	32.2	60/2/1	F	RPEM# 17,19	2#8 & 1#10(G) 1"C.	126"AFF
E-12.3	FREEZER ACCESSORIES	120V., 1PH.	----	----	20.0	TS		RPEM# 21	2#12 & 1#12(G) 3/4"C.	126"AFF
E-12.4	COOLER CONDENSING UNIT	208V., 3PH.	----	----	9.3	30/3/3R	F	RPEM# 23,25,27	3#12 & 1#12(G) 3/4"C.	PAD MOUNTED
E-12.5	COOLER EVAP COIL	120V., 1PH.	----	----	1.6	TS		RPEM# 29	2#12 & 1#12(G) 3/4"C.	126"AFF
E-12.6	COOLER ACCESSORIES	120V., 1PH.	----	----	20.0	TS		RPEM# 31	2#12 & 1#12(G) 3/4"C.	126"AFF
E-20	FOOD PROCESSOR	120V., 1PH.			6.9	TS		RPKIT2# 1	2#12 & 1#12(G) 3/4"C.	49"AFF
E-22	2HP DISPOSER WITH CONTROL PANEL	208V., 3PH.	----	----	6.6	30/3/1	F	RPKIT2# 3,5,7	3#12 & 1#12(G) 3/4"C.	18"AFF
E-29	HOT WATER DISPENSER	208V., 1PH.	----	----	24.0	6-30R		RPKIT2# 9,11	2#10 & 1#10(G) 3/4"C.	49"AFF
E-30	20 QT MIXER	120V., 1PH.	----	----	8.0	5-20R		RPKIT2# 13	2#12 & 1#12(G) 3/4"C.	49"AFF
E-40.1	HOLDING CABINET	120V., 1PH.	----	----	16.7	5-20R		RPKIT2# 15	2#12 & 1#12(G) 3/4"C.	49"AFF
E-41.1.1	UTILITY DISTIBUTION SYSTEM	120V., 1PH.								
E-41.1.2	UTILITY DISTIBUTION SYSTEM	120V., 1PH.								
E-41.1.3	UTILITY DISTIBUTION SYSTEM	120/208V., 3PH.			50A MB			MSA# 31,33,35	4#8 & 1#10(G) 1"C.	
E-40.2	HOLDING CABINET	120V., 1PH.	----	----	13.8	5-20R		FED BY ITEM E-41.1.3	2#12 & 1#12(G) 3/4"C.	
E-43	TILT SKILLET	120V., 1PH.	----	----	1.4	5-20R		FED BY ITEM E-41.1.3	2#12 & 1#12(G) 3/4"C.	
E-46A	DBL. COMBI. OVEN	120V., 1PH.	----	----	6.0	5-20R		FED BY ITEM E-41.1.3	2#12 & 1#12(G) 3/4"C.	
E-46B	DBL. COMBI. OVEN	120V., 1PH.	----	----	6.0	5-20R		FED BY ITEM E-41.1.3	2#12 & 1#12(G) 3/4"C.	
E-49A	DBL. COMBI. OVEN	120V., 1PH.	----	----	5.8	5-20R		FED BY ITEM E-41.1.3	2#12 & 1#12(G) 3/4"C.	
E-49B	DBL. COMBI. OVEN	120V., 1PH.	----	----	5.8	5-20R		FED BY ITEM E-41.1.3	2#12 & 1#12(G) 3/4"C.	
E-49C	DBL. COMBI. OVEN	120V., 1PH.	----	----	5.8	5-20R		FED BY ITEM E-41.1.3	2#12 & 1#12(G) 3/4"C.	
E-49D	DBL. COMBI. OVEN	120V., 1PH.	----	----	5.8	5-20R		FED BY ITEM E-41.1.3	2#12 & 1#12(G) 3/4"C.	
E-49E	DBL. COMBI. OVEN	120V., 1PH.	----	----	5.8	5-20R		FED BY ITEM E-41.1.3	2#12 & 1#12(G) 3/4"C.	
E-49F	DBL. COMBI. OVEN	120V., 1PH.	----	----	5.8	5-20R		FED BY ITEM E-41.1.3	2#12 & 1#12(G) 3/4"C.	
D1	DUPLEX OULET	120V., 1PH.	----	----	20.0	5-20R		FED BY ITEM E-41.1.3	2#12 & 1#12(G) 3/4"C.	
D2	DUPLEX OUTLET	120V., 1PH.	----	----	20.0	5-20R		FED BY ITEM E-41.1.3	2#12 & 1#12(G) 3/4"C.	
E-51.1	1-SECTION PASS-THRU HEATED CABINET	120/208V., 1PH.	----	----	7.8	14-20R	F	RPKIT1# 25,27	2#12 & 1#12(G) 3/4"C.	90"DFA
E-51.2	1-SECTION PASS-THRU HEATED CABINET	120/208V., 1PH.	----	----	7.8	14-20R	F	RPKIT1# 29,31	2#12 & 1#12(G) 3/4"C.	90"DFA
E-52.1	1-SECTION PASS-THRU REFRIG CABINET	120V., 1PH.	----	----	11.0	5-20R		RPEM# 2	2#12 & 1#12(G) 3/4"C.	90"DFA
E-52.2	1-SECTION PASS-THRU REFRIG CABINET	120V., 1PH.	----	----	11.0	5-20R		RPEM# 4	2#12 & 1#12(G) 3/4"C.	90"DFA
E-56	MAIN SERVING LINE	120/208V., 3PH.	----	----	68.4	100/3/1	F	RPKIT1# 19,21,23	3#4 & 1#8(G) 1-1/4"C.	5"AFF
E-56A	COMPUTER POS	120V., 1PH.	----	----	5.0	5-20R		RPKIT1# 56	2#12 & 1#12(G) 3/4"C.	WITH 1"C. TO ITEM C1
E-56B	COMPUTER POS	120V., 1PH.	----	----	5.0	5-20R		RPKIT# 58	2#12 & 1#12(G) 3/4"C.	WITH 1"C. TO ITEM C2
E-60.1	GRAB AND GO MERCHANDISERS	208V., 1PH.	----	----	9.55	6-30R		RPKIT2# 23,25	2#10 & 1#10(G) 3/4"C.	18"AFF
E-60.2	GRAB AND GO MERCHANDISERS	208V., 1PH.	----	----	9.55	6-30R		RPKIT2# 27,29	2#10 & 1#10(G) 3/4"C.	18"AFF
E-72	ICE MACHINE	120V., 1PH.	----	----	8.5	5-20R		RPEM# 2	2#12 & 1#12(G) 3/4"C.	66"AFF
E-79	DISPOSER	208V., 3PH.	----	----	13.8	60/3/1	F	RPKIT1# 18,20,22	3#8 & 1#10(G) 1"C.	18"AFF
E-80	DISH MACHINE	208V., 3PH.	----	----	60.6	100/3/1	F	PRKIT2# 10,12,14	3#4 & 1#8(G) 1-1/2"C.	66"AFF
E-80.1	DISH MACHINE	208V., 3PH.	----	----	83.9	100/3/1	F	RPKIT1# 13,15,17	3#3 & 1#8(G) 1-1/2"C.	66"AFF
E-80.2	DISH MACHINE	120V., 1PH.	----	----	2.5	TS		RPKIT1# 24	2#12 & 1#12(G) 3/4"C.	66"AFF
E-80.3	DISH MACHINE		----	----		EMPTY J-BOX				66"AFF
E-83	AMBIENT AIR DRYER	120V., 1PH.	----	----	4.3	5-20R		RPKIT1# 26	2#12 & 1#12(G) 3/4"C.	66"AFF
E-84	SINK HEATER	208V., 3PH.	----	----	25.0	100/3/1	F	RPKIT1# 28,30,32	3#4 & 1#8(G) 1-1/2"C.	66"AFF
DCO-1.1	RECEPTACLE	120V., 1PH.	----	----	20.0	5-20R		RPKIT1# 34	2#12 & 1#12(G) 3/4"C.	48"AFF
DCO-1.2	RECEPTACLE	120V., 1PH.	----	----	20.0	5-20R		RPKIT1# 36	2#12 & 1#12(G) 3/4"C.	49"AFF
DCO-1.3	RECEPTACLE	120V., 1PH.	----	----	20.0	5-20R		RPKIT1# 38	2#12 & 1#12(G) 3/4"C.	49"AFF
DCO-1.4	RECEPTACLE	120V., 1PH.	----	----	20.0	5-20R		RPKIT1# 40	2#12 & 1#12(G) 3/4"C.	18"AFF
DCO-1.5	RECEPTACLE	120V., 1PH.	----	----	20.0	5-20R		RPKIT1# 42	2#12 & 1#12(G) 3/4"C.	49"AFF
DCO-1.6	RECEPTACLE	120V., 1PH.	----	----	20.0	5-20R		RPKIT1# 43	2#12 & 1#12(G) 3/4"C.	49"AFF
DCO-1.7	RECEPTACLE	120V., 1PH.	----	----	20.0	5-20R		RPKIT1# 45	2#12 & 1#12(G) 3/4"C.	18"AFF
DCO-1.8	RECEPTACLE	120V., 1PH.	----	----	20.0	5-20R		RPKIT1# 47	2#12 & 1#12(G) 3/4"C.	49"AFF
DCO-1.9	RECEPTACLE	120V., 1PH.	----	----	20.0	5-20R		RPKIT1# 49	2#12 & 1#12(G) 3/4"C.	49"AFF
DCO-1.10	RECEPTACLE	120V., 1PH.	----	----	20.0	5-20R		RPKIT1# 51	2#12 & 1#12(G) 3/4"C.	49"AFF
DCO-1.11	RECEPTACLE	120V., 1PH.	----	----	20.0	5-20R		RPKIT1# 53	2#12 & 1#12(G) 3/4"C.	49"AFF
DCO-1.12	RECEPTACLE	120V., 1PH.	----	----	20.0	5-20R		RPKIT1# 55	2#12 & 1#12(G) 3/4"C.	49"AFF
DCO-1.13	RECEPTACLE	120V., 1PH.	----	----	20.0	5-20R		RPKIT1# 57	2#12 & 1#12(G) 3/4"C.	18"AFF
DCO-1.14	RECEPTACLE	120V., 1PH.	----	----	20.0	5-20R		RPKIT1# 59	2#12 & 1#12(G) 3/4"C.	49"AFF
DCO-1.15	RECEPTACLE	120V., 1PH.	----	----	20.0	5-20R		RPKIT2# 31	2#12 & 1#12(G) 3/4"C.	48"AFF
DCO-1.16	RECEPTACLE	120V., 1PH.	----	----	20.0	5-20R		RPKIT2# 33	2#12 & 1#12(G) 3/4"C.	18"AFF
DCO-1.17	RECEPTACLE	120V., 1PH.	----	----	20.0	5-20R		RPKIT2# 35	2#12 & 1#12(G) 3/4"C.	49"AFF
DCO-1.18	RECEPTACLE	120V., 1PH.	----	----	20.0	5-20R		RPKIT2# 37	2#12 & 1#12(G) 3/4"C.	18"AFF
DCO-1.19	RECEPTACLE	120V., 1PH.	----	----	20.0	5-20R		RPKIT2# 39	2#12 & 1#12(G) 3/4"C.	18"AFF
DCO-1.20	RECEPTACLE	120V., 1PH.	----	----	20.0	5-20R		RPKIT2# 41	2#12 & 1#12(G) 3/4"C.	18"AFF
DCO-1.21	RECEPTACLE	120V., 1PH.	----	----	20.0	5-20R		RPKIT2# 2	2#12 & 1#12(G) 3/4"C.	18"AFF
DCO-1.22	RECEPTACLE	120V., 1PH.	----	----	20.0	5-20R		RPKIT2# 4	2#12 & 1#12(G) 3/4"C.	18"AFF
DCO-1.23	RECEPTACLE	120V., 1PH.	----	----	20.0	5-20R		RPKIT2# 6	2#12 & 1#12(G) 3/4"C.	49"AFF
DCO-1.24	RECEPTACLE	120V., 1PH.	----	----	20.0	5-20R		RPKIT2# 8	2#12 & 1#12(G) 3/4"C.	49"AFF
DCO-2.1	RECEPTACLE	120V., 1PH.	----	----	20.0	5-20R		RPKIT2# 16	2#12 & 1#12(G) 3/4"C.	18"AFF
DCO-2.2	RECEPTACLE	120V., 1PH.	----	----	20.0	5-20R		RPKIT2# 18	2#12 & 1#12(G) 3/4"C.	49"AFF
DCO-2.3	RECEPTACLE	120V., 1PH.	----	----	20.0	5-20R		RPKIT2# 20	2#12 & 1#12(G) 3/4"C.	49"AFF
DCO-2.4	RECEPTACLE	120V., 1PH.	----	----	20.0	5-20R		RPKIT2# 24	2#12 & 1#12(G) 3/4"C.	49"AFF
DCO-2.5	RECEPTACLE	120V., 1PH.	----	----	20.0	5-20R		RPKIT2# 26	2#12 & 1#12(G) 3/4"C.	49"AFF
DCO-2.6	RECEPTACLE	120V., 1PH.	----	----	20.0	5-20R		RPKIT2# 28	2#12 & 1#12(G) 3/4"C.	18"AFF
GAS SOLENOID	GAS SOLENOID	120V., 1PH.			5.0	TS		RPKIT2# 22	2#12 & 1#12(G) 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. COORDINATE ALL DEVICES AND CONNECTIONS WITH FOOD SERVICE DRAWINGS.
8. "WP" - WEATHERPROOF ENCLOSURE.
9. REFER TO FOOD SERVICE DRAWINGS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
10. ALL BRANCH BREAKERS IN KITCHEN VENDOR SUPPLIED PANELS SHALL BE GFI TYPE.
11. SEE KITCHEN VENDOR DETAIL FOR CEILING HUNG RECEPTACLE.
12. SEE GENERAL ELECTRICAL NOTE 36 SHEET E0.1.

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. COORDINATE EXACT LOCATION WITH VENDOR DRAWINGS PRIOR TO ROUGH-IN.

GENERAL NOTES:

1. SEE EQUIPMENT TAG SCHEDULE THIS SHEET.
2. ALL 120V., THROUGH 208V., RECEPTACLES SUPPLIED BY SINGLE PHASE BRANCH CIRCUITS RATED 150 VOLTS OR LESS TO GROUND, 50 AMPS OR LESS, AND ALL RECEPTACLES SUPPLIED BY THREE PHASE BRANCH CIRCUITS RATED 150 VOLTS OR LESS TO GROUND, 100 AMPS OR LESS INSTALLED IN KITCHENS OR PERMANENT PROVISIONS FOR EITHER FOOD PREP OR COOKING SHALL HAVE GROUND FAULT CIRCUIT INTERRUPTER PROTECTION FOR PERSONNEL THAT MEETS NEC 210.8(B)(2). THIS SHALL BE DONE WITH GFCI RECEPTACLE, GFCI BREAKER IS PANELBOARD FEEDING RECEPTACLE OR BY REMOTE MOUNTED GFCI DEVICE. IT WILL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO DETERMINE THE AVAILABILITY OF PANELBOARD MOUNTED GFCI BREAKERS WITH POWER EQUIPMENT MANUFACTURER. IF PANELBOARD MOUNTED GFCI BREAKERS ARE NOT AVAILABLE REMOTE MOUNTED UNITS MAY BE PROVIDED. COORDINATE LOCATION WITH ARCHITECT/ENGINEER PRIOR TO ROUGH-IN.
3. COORDINATE ALL MOUNTING HEIGHTS WITH VENDOR FOOD SERVICE DRAWINGS TO ENSURE CORRECT MOUNTING HEIGHT AND LOCATION PRIOR TO ROUGH-IN.

SHEET TITLE: LARGE FLOOR PLAN - CAFETERIA - EQUIPMENT POWER AND SCHEDULE

ALABAMA REGISTERED
KENNETH RAY GUNN JR.
NO. 26938
PROFESSIONAL
7-2-26
ENGINEER

PROJ. MGR.: FGH
DRAWN: FJP/KRG
DATE: 07/02/26
REVISIONS

JOB NO.
MKA-26-032-00
SHEET NO:
E3.4

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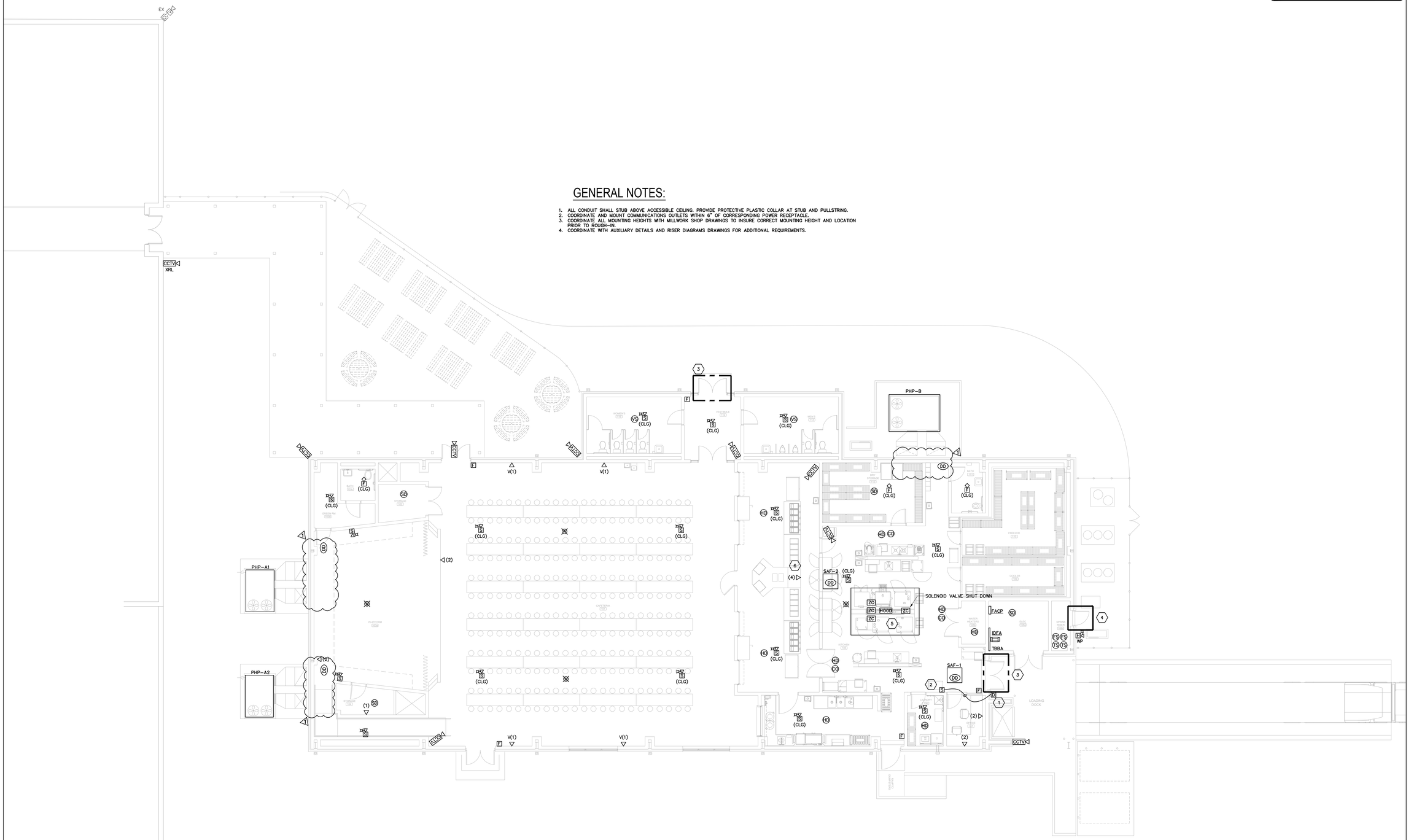
LATHAN ▪ McKEE ARCHITECTS

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE: FIRST FLOOR PLAN - AUXILIARY

GENERAL NOTES:

1. ALL CONDUIT SHALL STUB ABOVE ACCESSIBLE CEILING. PROVIDE PROTECTIVE PLASTIC COLLAR AT STUB AND PULLSTRING.
2. COORDINATE AND MOUNT COMMUNICATIONS OUTLETS WITHIN 6" OF CORRESPONDING POWER RECEPTACLE.
3. COORDINATE ALL MOUNTING HEIGHTS WITH MILLWORK SHOP DRAWINGS TO INSURE CORRECT MOUNTING HEIGHT AND LOCATION PRIOR TO ROUGH-IN.
4. COORDINATE WITH AUXILIARY DETAILS AND RISER DIAGRAMS DRAWINGS FOR ADDITIONAL REQUIREMENTS.



TRUE NORTH

FIRST FLOOR PLAN - AUXILIARY

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

SHEET NOTES:

1. EDWARDS DOOR BELL PUSH BUTTON. PROVIDE IN SINGLE GANG JUNCTION BOX. EDWARDS 620 BUTTON WITH STAINLESS STEEL COVER PLATE.
2. EDWARDS DOOR CHIME, WHITE BODY. EDWARDS NO. C212-W. PROVIDE TRANSFORMER AND LOW VOLTAGE BRANCH CIRCUITING AS RECOMMENDED BY MANUFACTURER. CONNECT TO ADJACENT 120V., RECEPTACLE NON-SWITCH HOT.
3. SEE DOOR CONTROL DETAILS SHEET E8.2 FOR TYPE A DOOR FOR ADDITIONAL INFORMATION AND REQUIREMENTS. PROVIDE CAT6 CONNECTION WITH 20' SLACK ABOVE DOOR.
4. SEE DOOR CONTROL DETAILS SHEET E8.2 FOR TYPE B DOOR FOR ADDITIONAL INFORMATION AND REQUIREMENTS. PROVIDE CAT6 CONNECTION WITH 20' SLACK ABOVE DOOR.
5. HOOD, FANS, STARTERS AND CONTROL PANEL ARE SUPPLIED BY THE FOOD SERVICE ELECTRICAL SUPPLIER. ALL ELECTRICAL COMPONENTS (INCLUDING THE SHUNT TRIP CIRCUIT BREAKERS FEEDING THE KITCHEN EQUIPMENT) SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL VERIFY THE LOCATION OF ALL COMPONENTS WITH THE FOOD SERVICE EQUIPMENT SUPPLIER AND INSTALLER AND MAKE NECESSARY POWER AND CONTROL AND FIRE ALARM CONNECTIONS. THE EXHAUST FAN SHALL BE INTERLOCKED WITH THE HOOD FIRE SUPPRESS SYSTEM SUCH THAT THE FAN RUNS WHEN THE SUPPRESSION SYSTEM IS ACTIVATED. THE SUPPLY AIR FAN SHALL BE SHUT DOWN WHEN THE SUPPRESSION SYSTEM IS ACTIVATED. SHUNT TRIP CIRCUIT BREAKERS SERVING (THE CIRCUITS UNDER THE HOOD WHEN THE HOOD FIRE SUPPRESSION SYSTEM IS ACTIVATED SHALL BE DE-ENERGIZED). INTERLOCK THE HOOD FIRE SUPPRESSION SYSTEM WITH THE FIRE ALARM SYSTEM PER NFPA REQUIREMENTS. PROVIDE ALL FIRE ALARM CONNECTIONS AS REQUIRED.
6. COORDINATE MOUNTING HEIGHT WITH KITCHEN VENDOR FOR ROUGH-IN REQUIREMENTS FOR POINT OF SALE. CONDUIT SHALL BE ROUTED IN GRADE.

ALABAMA REGISTERED PROFESSIONAL ENGINEER
LICENSED NO. 26988
KENNETH RAY GUNN, JR.
7-6-26

PROJ. MGR.: FGH	
DRAWN: FJP/KRG	
DATE: 07/06/26	
REVISIONS	
1	7-6-26

JOB NO. MKA-26-032-00

SHEET NO: E4.1

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LATHAN
McKEE
ARCHITECTS

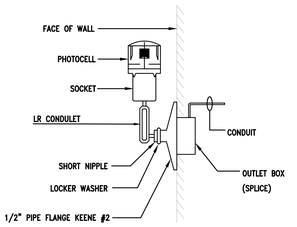
LIGHTING FIXTURE SCHEDULE

TYPE:	MANUFACTURER NUMBER AND EQUALS:	VOLTAGE:	MOUNTING:	LAMP TYPE:	LAMP QUANTITY:	DESCRIPTION:
L4	COOPER NO. 4SSNLED-50SL-LW-UNV-L840-CD-1 OR EQUAL BY HUBBELL OR PHILIPS	MVOLT	SURFACE	L.E.D.	1 5300 LUMEN 48 WATTS	SURFACE MOUNTED L.E.D. STRIP LUMINAIRE, 4'-0"L., WHITE BODY WITH FROSTED LENS.
L4WL	COOPER NO. 4VT3-LD5-5-G-UNV-L840-CD1-U OR EQUAL BY HUBBELL OR PHILIPS	MVOLT	SURFACE	L.E.D.	1 5000 LUMEN 34 WATTS	SURFACE MOUNTED L.E.D. LUMINAIRE, 4'-0"L., FIBERGLASS BODY, GASKETED LENS, U.L. LISTED FOR WET LOCATION, WHITE FINISH, ARCYLIC LENS.
LG44	COOPER NO. 22FP4240C OR EQUAL BY HUBBELL OR PHILIPS	MVOLT	RECESSED	L.E.D.	1 4500 LUMEN 39 WATTS	RECESSED MOUNTED L.E.D. FLAT PANEL, 2'x2' LAY-IN, WHITE FINISH.
LG48	COOPER NO. 24FP4740C OR EQUAL BY HUBBELL OR PHILIPS	MVOLT	RECESSED	L.E.D.	1 4700 LUMEN 41 WATTS	RECESSED MOUNTED L.E.D. FLAT PANEL, 2'x4' LAY-IN, WHITE FINISH.
LG72	COOPER NO. 24FP7240C OR EQUAL BY HUBBELL OR PHILIPS	MVOLT	RECESSED	L.E.D.	1 7200 LUMEN 61 WATTS	RECESSED MOUNTED L.E.D. FLAT PANEL, 2'x4' LAY-IN, WHITE FINISH.
LS1	COOPER NO. TT-D1-740-U-WQ-XX OR EQUAL BY HUBBELL OR PHILIPS	MVOLT	SURFACE	L.E.D.	1 4000 LUMEN 29 WATTS	SURFACE MOUNTED L.E.D. LUMINAIRE, UL LISTED FOR WET LOCATION, COLOR AS SELECTED BY ARCHITECT.
LW1	COOPER NO. IST-SA1D-840-U-T4FT-XX OR EQUAL BY HUBBELL OR PHILIPS	MVOLT	WALL	L.E.D.	1 5600 LUMEN 45 WATTS	WALL MOUNTED L.E.D. LUMINAIRE WITH CUT OFF, FINISH AS SELECTED BY ARCHITECT,
T1	CIELUX NO. CXP3F-CLR-XX-TOX-PSP-US-RGB OR PRIOR APPROVED EQUAL	120	TRACK	L.E.D.	1 1200 WATTS	SINGLE CIRCUIT TRACK WITH (13) L.E.D. RGB 90 WATT HEADS. PROVIDE LENGTH AS SHOWN ON DRAWINGS, ARCHITECT TO SELECT COLOR OF HEADS AND TRACK, PROVIDE DMX WALL CONTROLLER AND WIRING AS REQUIRED FOR CONTROLS.
XA	EXITRONIX NO. VEX-U-BP-WB-WH-G2 OR EQUAL BY HUBBELL OR PHILIPS	MVOLT	CEILING	L.E.D.	1 3 WATT	CEILING MOUNTED SINGLE FACE EXIT SIGN, PLASTIC BODY WITH RED LETTERS, PROVIDE WITH SELF-CONTAINED EMERGENCY BATTERY AND DIAGNOSTICS, ARROWS AS SHOWN ON DRAWINGS.

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.
4. 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.
5. ALL INTERIOR LIGHTS SHALL HAVE 4000K TEMPERTURE LAMPS, UNLESS NOTED OTHERWISE.
6. PROVIDE ALL 0-10V DIMMING BRANCH CIRCUITING REQUIRED.

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.



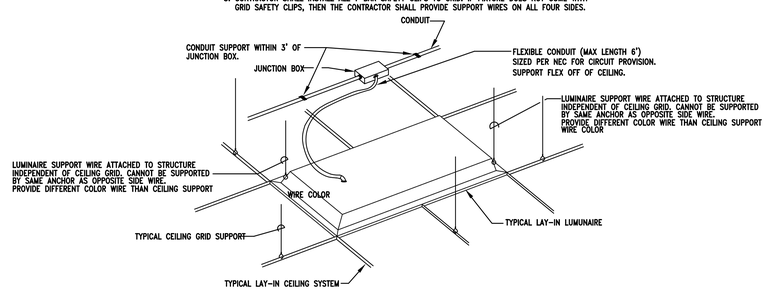
1 / E5.1 DETAIL - INSTALLATION OF PHOTO-CELL
NO SCALE

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.
6. 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.
7. ALL LUMINAIRES IN MECHANICAL AND ELECTRICAL ROOMS SHALL BE INSTALLED TO CLEAR ELECTRICAL EQUIPMENT, DUCT, PIPING, ETC., SUSPEND BELOW OBSTRUCTION WHEN CONFLICTS OCCUR.
8. ALL FLUORESCENT LUMINARIES SHALL BE PROVIDED WITH 3500K COLOR TEMPERATURE LAMPS, UNLESS NOTED OTHERWISE.
9. PROVIDE ALL DUAL SWITCHED LUMINAIRES WITH DUAL BALLAST.
10. LUMINAIRES WITH TWO SUB-SCRIPTS AN "a" AND "b" SHALL HAVE OUTSIDE TWO LAMPS CONTROLLED BY SWITCH OR RELAY POLE "a" AND INSIDE LAMP OR LAMPS CONTROLLED BY SWITCH OR RELAY POLE "b". SIMILARLY FOR OTHER SETS OF SUB-SCRIPTS SUCH AS "c, d, e, f, ETC."
11. ARCHITECT RESERVES THE RIGHT TO SELECT ALL COLORS FOR LUMINAIRES, POLES, MOUNTING ACCESSORIES, ETC. DURING SHOP DRAWING REVIEW.
12. COORDINATE LUMINAIRE MOUNTING WITH ARCHITECTURAL ELEVATIONS PRIOR TO INSTALLATION.
13. PROVIDE ALL EXIT SIGNS WITH DIRECTIONAL ARROWS AS SHOWN ON DRAWINGS.
14. 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.
15. 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.

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.



2 / E5.1 DETAIL - TYPICAL LAY-IN LUMINAIRE INSTALLATION
NO SCALE

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE: LUMINAIRE SCHEDULE AND NOTES

ALABAMA REGISTERED
NO. 26985
PROFESSIONAL
7-2-26
ENGINEER
KENNETH RAY GUNN JR.

PROJ. MGR.: FGH
DRAWN: FJP/KRG
DATE: 07/02/26
REVISIONS

JOB NO.
MKA-26-032-00
SHEET NO:
E5.1

0 1" 2"

- N:\2026\26-090 CROSSVILLE HS CAFETERIA DEKALB CO\Drawings\RECEIVED\Arch 4-28-26\LM_arch30x42bdl_template.dwg
- Monday, June 16, 2025 11:18:29 AM

SWITCHBOARD - MSA

TYPE: 1600 AMP MCB (SHUNT TRIP) | AIC: 65,000 AMPERES | MOUNTED: FREE STANDING | VOLTAGE: 120/208 VOLTS, 3 PHASE, 4 WIRE

CIRCUIT DIRECTORY	(VA) PER PHASE A	(VA) PER PHASE B	(VA) PER PHASE C	AMP	POLE	CIRCUIT NUMBER		AMP	POLE	(VA) PER PHASE A	(VA) PER PHASE B	(VA) PER PHASE C	CIRCUIT DIRECTORY
PHP-A1	21,504			250		1	2	225		8,352			RPA
		21,504				3	4				13,989		
			21,504		3	5	6		3			13,827	
PHP-A2	21,504			250		7	8	100		7,250			RPB
		21,504				9	10				4,423		
			21,504		3	11	12		3			5,540	
PHP-B1	24,768			300		13	14	400		33,687			RPKIT1
SHUNT TRIP BREAKER		24,768				15	16				37,770		
			24,768		3	17	18		3			36,821	
EDH-1	12,000			125		19	20	225		20,990			RPKIT2
		12,000				21	22				21,981		
			12,000		3	23	24		3			20,771	
EDH-2	12,000			125		25	26	100					SPARE
		12,000				27	28						
			12,000		3	29	30		3				
(UDS) ITEM E-41.1.3	4,944			50		31	32	100					BUSSED SPACE
SHUNT TRIP BREAKER		2,256				33	34						
			2,592		3	35	36		3				
RPEM	17,959			250		37	38	200					BUSSED SPACE
VIA ATS		14,606				39	40						
			12,091		3	41	42		3				
SUB TOTAL (VA)	114,679	108,638	106,459							70,279	78,163	76,959	SUB TOTAL (VA)

TOTAL LOAD PHASE A: 184,958 (VA)
TOTAL LOAD PHASE B: 186,801 (VA)
TOTAL LOAD PHASE C: 183,418 (VA)
TOTAL LOAD: 555,177 (VA) = 1542 AMPS

NOTES:
1. PANELBOARD SHALL BE UL LISTED FOR SERVICE ENTRANCE.
2. PROVIDE WITH INTEGRAL TVSS WITH 120,000 AMPS PER MODE PROTECTION.
3. PROVIDE PANEL WITH NAME PLATE INDICATING AIC RATING. SEE DETAILS.
4. PROVIDE ARC FAULT LABEL PER DETAIL DETAILS.

PANEL - RPA

TYPE: 225 AMP MAIN LUGS | AIC: 65,000 AMPERES | MOUNTED: SURFACE | VOLTAGE: 120/208 VOLTS, 3 PHASE, 4 WIRE

CIRCUIT DIRECTORY	(VA) PER PHASE A	(VA) PER PHASE B	(VA) PER PHASE C	AMP	POLE	CIRCUIT NUMBER		AMP	POLE	(VA) PER PHASE A	(VA) PER PHASE B	(VA) PER PHASE C	CIRCUIT DIRECTORY
LIGHTING	497			20	1	1	2	20		156			ICCHP-A
LIGHTING		1,959		20	1	3	4		2		156		
EXTERIOR LIGHTING			692	20	1	5	6	20				156	IDHP-A
SPARE				20	1	7	8		2	156			
IT		1,000		20	1	9	10	30			1,580		OCCHP-A
IT			2,000	30	1	11	12		2			1,580	
RECEPT	800			20	1	13	14	30		915			ODHP-A
FACP		500		20	1	15	16		2		915		
HD			800	20	1	17	18	20				444	SAF-1
RECEPT	200			20	1	19	20			444			SHUNT TRIP BREAKER
RECEPT		200		20	1	21	22		3		444		
RECEPT			400	20	1	23	24	20				444	SAF-2
EF-B1, EF-B2	168			20	1	25	26			444			SHUNT TRIP BREAKER
EF-C		936		20		27	28		3		444		
			936			29	30	20	1			720	TC-1, RP-1
	936				3	31	32	20	1	200			RECEPT
EF-D		936		20		33	34	20	1		400		RECEPT
			936			35	36	20	1			200	RECEPT
	936				3	37	38	20	1				SPARE
EF-E		1,019		20		39	40	20	1				SPARE
			1,019		2	41	42	20	1				SPARE
MOTORIZED DOOR	500			20	1	43	44	50	1				BUSSED SPACE
MOTORIZED DOOR		500		20	1	45	46	50	1				BUSSED SPACE
MOTORIZED DOOR			500	20	1	47	48	50	1				BUSSED SPACE
MOTORIZED DOOR	500			20	1	49	50	50	1				BUSSED SPACE
BLOCK HEATER		1,500		30		51	52	50	1				BUSSED SPACE
			1,500		2	53	54	50	1				BUSSED SPACE
BATTERY CHARGER	1,500			60		55	56	50	1				BUSSED SPACE
EUH-A		1,000		20		57	58	50	1				BUSSED SPACE
			1,000			59	60	50	1				BUSSED SPACE
	1,000				3	61	62	50	1				BUSSED SPACE
SPARE				20	1	63	64	50	1				BUSSED SPACE
SPARE				20	1	65	66	50	1				BUSSED SPACE
SPARE				20	1	67	68	50	1				BUSSED SPACE
SPARE				20	1	69	70	50	1				BUSSED SPACE
SPARE				20	1	71	72	50	1				BUSSED SPACE
SPARE				20	1	73	74	50	1				BUSSED SPACE
SPARE				20	1	75	76	50	1				BUSSED SPACE
SPARE				20	1	77	78	50	1				BUSSED SPACE
SPARE				20	1	79	80	50	1				BUSSED SPACE
SPARE				20	1	81	82	50	1				BUSSED SPACE
SPARE				20	1	83	84	50	1				BUSSED SPACE
SUB TOTAL (VA)	7,037	9,550	9,783							2,315	3,939	3,544	SUB TOTAL (VA)

TOTAL LOAD PHASE A: 9,352 (VA)
TOTAL LOAD PHASE B: 13,489 (VA)
TOTAL LOAD PHASE C: 13,327 (VA)
TOTAL LOAD: 36,168 (VA) = 100 AMPS

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

PANEL - RPEM

TYPE: 250 AMP MAIN BREAKER | AIC: 42,000 AMPERES | MOUNTED: FLUSH | VOLTAGE: 120/208 VOLTS, 3 PHASE, 4 WIRE

CIRCUIT DIRECTORY	(VA) PER PHASE A	(VA) PER PHASE B	(VA) PER PHASE C	AMP	POLE	CIRCUIT NUMBER		AMP	POLE	(VA) PER PHASE A	(VA) PER PHASE B	(VA) PER PHASE C	CIRCUIT DIRECTORY
ITEM E-12.1A	3,300			50		1	2	20	1	816			ITEM E-72 GFI BREKAER
		3,300				3	4	20	1				SPARE GFI BREAKER
			3,300		3	5	6	20	1				SPARE GFI BREAKER
ITEM E-12.1B	3,300			50		7	8	20	1				SPARE GFI BREAKER
		3,300				9	10	50	1				BUSSED SPACE
			3,300		3	11	12		1				BUSSED SPACE
ITEM E-12.2A	3,348			40		13	14	50	1				BUSSED SPACE
		3,348			2	15	16	50	1				BUSSED SPACE
ITEM E-12.2B			3,348	40		17	18	50	1				BUSSED SPACE
	3,348				2	19	20	50	1				BUSSED SPACE
ITEM E-12.3		1,920		20	1	21	22	50	1				BUSSED SPACE
ITEM E-12.4			1,116	20		23	24	5	1				BUSSED SPACE
	1,116					25	26	50	1				BUSSED SPACE
		1,116			3	27	28	50	1				BUSSED SPACE
ITEM E-12.5			216	20	1	29	30	50	1				BUSSED SPACE
ITEM E-12.6	1,920			20	1	31	32	50	1				BUSSED SPACE
ITEM E-51.1 GFI BREKER		811		20		33	34	50	1				BUSSED SPACE
			811		2	35	36	50	1				BUSSED SPACE
ITEM E-51.2 GFI BREAKER	811			20		37	38	50	1				BUSSED SPACE
		811			2	39	40	50	1				BUSSED SPACE
SPARE GFI BREAKER				20	1	41	42	50	1				BUSSED SPACE
SUB TOTAL (VA)	17,143	14,606	12,091							816	0	0	SUB TOTAL (VA)

TOTAL LOAD PHASE A: 17,959 (VA)
TOTAL LOAD PHASE B: 14,606 (VA)
TOTAL LOAD PHASE C: 12,091 (VA)
TOTAL LOAD: 44,656 (VA) = 124 AMPS

NOTES:
1. PANELBOARD TO BE BOLT-ON TYPE WITH DOOR-IN-DOOR CONSTRUCTION.
2. PROVIDE ARC FAULT LABEL PER DETAIL.
3. SERIES RATING WILL BE ALLOWED ON PANEL. PROVIDE PROPER A/C CIRCUITING RATING FOR BREAKERS AND PROVIDE PLAQUER.

PANEL - RPB

TYPE: 100 AMP MAIN LUGS | AIC: 42,000 AMPERES | MOUNTED: SURFACE | VOLTAGE: 120/208 VOLTS, 3 PHASE, 4 WIRE

CIRCUIT DIRECTORY	(VA) PER PHASE A	(VA) PER PHASE B	(VA) PER PHASE C	AMP	POLE	CIRCUIT NUMBER		AMP	POLE	(VA) PER PHASE A	(VA) PER PHASE B	(VA) PER PHASE C	CIRCUIT DIRECTORY
LIGHTING	1,900			20	1	1	2	20	1	800			HD
LIGHTING		953		20	1	3	4	20	1		800		HD
LIGHTING			1,740	20	1	5	6	20	1			600	RECEPT
LIGHTING	1,200			20	1	7	8	20	1	600			RECEPT
SPARE				20	1	9	10	20	1				SPARE
SPARE				20	1	11	12	20	1				SPARE
RECEPT	800			20	1	13	14	20	1				SPARE
RECEPT		800		20	1	15	16	20	1				SPARE
RECEPT			800	20	1	17	18	20	1				SPARE
RECEPT	400			20	1	19	20	20	1				SPARE
RECEPT		400		20	1	21	22	20	1				SPARE
RECEPT			400	20	1	23	24	20	1				SPARE
RECEPT	600			20	1	25	26	20	1				SPARE
RECEPT		600		20	1	27	28	50	1				BUSSED SPACE
RECEPT			600	20	1	29	30	50	1				BUSSED SPACE
EWC	750			20	1	31	32	50	1				BUSSED SPACE
RECEPT		400		20	1	33	34	50	1				BUSSED SPACE
RECEPT			600	20	1	35	36	50	1				BUSSED SPACE
RECEPT	200			20	1	37	38	50	1				BUSSED SPACE
EF-A1,EF-A2		470		20	1	39	40	50	1				BUSSED SPACE
HD			800	20	1	41	42	50	1				BUSSED SPACE
SUB TOTAL (VA)	5,850	3,623	4,940							1,400	800	600	SUB TOTAL (VA)

TOTAL LOAD PHASE A: 7,250 (VA)
TOTAL LOAD PHASE B: 4,423 (VA)
TOTAL LOAD PHASE C: 5,540 (VA)
TOTAL LOAD: 17,213 (VA) = 48 AMPS

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

PANEL - RPKIT1

TYPE: 400 AMP MAIN LUGS | AIC: 42,000 AMPERES | MOUNTED: FLUSH | VOLTAGE: 120/208 VOLTS, 3 PHASE, 4 WIRE

CIRCUIT DIRECTORY	(VA) PER PHASE A	(VA) PER PHASE B	(VA) PER PHASE C	AMP	POLE	CIRCUIT NUMBER		AMP	POLE	(VA) PER PHASE A	(VA) PER PHASE B	(VA) PER PHASE C	CIRCUIT DIRECTORY
ITEM E-1.1 GFI BREAKER	780			20	1	1	2	20	1				SPARE GFI BREAKER
ITEM E-1.2 GFI BREAKER		750		20	1	3	4	20	1				SPARE GFI BREAKER
ITEM E-5 GFI BREAKER			1,920	20	1	5	6		2				
ITEM E-7 GFI BREAKER	1,000			20	1	7	8	20					SPARE GFI BREAKER
ITEM E-7.1 GFI BREAKER		2,000		30	1	9	10		2				
			2,000		2	11	12	20	1				SPARE GFI BREAKER
ITEM E-80.1 GFI BREAKER	8,725			90		13	14	20	1				SPARE GFI BREAKER
		8,725				15	16	20	1				SPARE GFI BREAKER
			8,725		3	17	18	40				1,656	ITEM E-79 GFI BREAKER
ITEM E-56 GFI BREAKER	8,208			80		19	20			1,656			
		8,208				21	22		3		1,656		
			8,209		3	23	24	20	1			300	ITEM E-80.2 GFI BREAKER
ITEM E5.1.	811			20		25	26	20	1	516			ITEM E-83 GFI BREAKER
		811			2	27	28	80			3,000		ITEM E-84
ITEM E51.2			811	20		29	30					3,000	
	811				2	31	32		3	3,000			
SPARE GFI BREAKER				20	1	33	34	20	1		1,920		DCO-1.1 GFI BREAKER
SPARE				20		35	36	20	1			1,920	DCO-1.2 GFI BREAKER
						37	38	20	1	1,920			DCO-1.3 GFI BREAKER
					3	39	40	20	1		1,920		DCO-1.4 GFI BREAKER
SPARE GFI BREAKER				20	1	41	42	20	1			1,920	DCO-1.5 GFI BREAKER
DCO-1.6 GFI BREAKER	1,920			20	1	43	44	20	1				SPARE GFI BREAKER
DCO-1.7 GFI BREAKER		1,920		20	1	45	46	20	1				SPARE GFI BREAKER
DCO-1.8 GFI BREAKER			1,920	20	1	47	48	20	1				SPARE GFI BREAKER
DCO-1.9 GFI BREAKER	1,920			20	1	49	50	20	1				SPARE GFI BREAKER
DCO-1.10 GFI BREAKER		1,920		20	1	51	52	20	1				SPARE GFI BREAKER
DCO-1.11 GFI BREAKER			1,920	20	1	53	54	20	1				SPARE GFI BREAKER
DCO-1.12 GFI BREAKER	1,920			20	1	55	56	20	1	500			POS GFI BREAKER
DCO-1.13 GFI BREAKER		1,920		20	1	57	58	20	1		500		POS GFI BREAKER
DCO-1.14 GFI BREAKER			1,920	20	1	59	60	20	1				SPARE GFI BREAKER
SPARE GFI BREAKER				20	1	61	62	20	1				SPARE GFI BREAKER
SPARE GFI BREAKER		1,920		20	1	63	64	20	1				SPARE GFI BREAKER
SPARE GFI BREAKER				20	1	65	66	20	1				SPARE GFI BREAKER
SPARE GFI BREAKER				20	1	67	68	20	1				SPARE GFI BREAKER
SPARE GFI BREAKER				20	1	69	70	20	1				SPARE GFI BREAKER
SPARE GFI BREAKER				20	1	71	72	20	1				SPARE GFI BREAKER
SPARE GFI BREAKER				20	1	73	74	20	1				SPARE GFI BREAKER
ITEM H-1 GFI BREAKER		600		20	1	75	76	50	1				BUSSED SPACE
ITEM H-2 GFI BREAKER			600	20	1	77	78	50	1				BUSSED SPACE
SPARE GFI BREAKER				20	1	79	80	50	1				BUSSED SPACE
SPARE GFI BREAKER				20	1	81	82	50	1				BUSSED SPACE
SPARE GFI BREAKER				20	1	83	84	50	1				BUSSED SPACE
SUB TOTAL (VA)	26,095	28,774	28,025							7,592	8,996	8,796	SUB TOTAL (VA)

TOTAL LOAD PHASE A: 33,687 (VA)
TOTAL LOAD PHASE B: 37,770 (VA)
TOTAL LOAD PHASE C: 36,821 (VA)
TOTAL LOAD: 108,278 (VA) = 301 AMPS

NOTES:
1. PANELBOARD TO BE BOLT-ON TYPE WITH DOOR-IN-DOOR CONSTRUCTION.
2. PROVIDE ARC FAULT LABEL PER DETAIL.
3. SERIES RATING WILL BE ALLOWED ON PANEL. PROVIDE PROPER A/C CIRCUITING RATING FOR BREAKERS AND PROVIDE PLAQUER.

PANEL - RPKIT2

TYPE: 225 AMP MAIN LUGS | AIC: 42,000 AMPERES | MOUNTED: FLUSH | VOLTAGE: 120/208 VOLTS, 3 PHASE, 4 WIRE

CIRCUIT DIRECTORY	(VA) PER PHASE A	(VA) PER PHASE B	(VA) PER PHASE C	AMP	POLE	CIRCUIT NUMBER		AMP	POLE	(VA) PER PHASE A	(VA) PER PHASE B	(VA) PER PHASE C	CIRCUIT DIRECTORY
ITEM E-20 GFI BREAKER	828			20	1	1	2	20	1	1,920			DCO-1.21 GFI BREAKER
ITEM E-22 GFI BREAKER		792		20		3	4	20	1		1,920		DCO-1.22 GFI BREAKER
			792			5	6	20	1			1,920	DCO-1.23 GFI BREAKER
	792				3	7	8	20	1	1,920			DCO-1.24 GFI BREAKER
ITEM E-29 GFI BREAKER		2,496		30		9	10	80			5,817		ITEM E-80 GFI BREAKER
			2,496		2	11	12					5,817	
ITEM E-30 GFI BREAKER	960			20	1	13	14		3	5,817			
ITEM E-40 GFI BREAKER		1,603		20	1	15	16	20	1		1,960		DCO-2.1 SPARE GFI BKR
SPARE GFI BREAKER				20		17	18	20	1			1,960	DCO-2.2 SPARE GFI BKR
						19	20	20	1	1,960			DCO-2.3 SPARE GFI BKR
					3	21	22	20	1		600		GAS SPLENOID SHUNT TRIP
ITEM E-60.1 GFI BREAKER			993	30		23	24	20	1			1,960	DCO-2.4 SPARE GFI BKR
	993				2	25	26	20	1	1,960			DCO-2.5 SPARE GFI BKR
ITEM E-60.2 GFI BREAKER		993		30		27	28	20	1		1,960		DCO-2.6 SPARE GFI BKR
			993		2	29	30	20	1				SPARE GFI BREAKER
DCO-1.15 GFI BREAKER	1,920			20	1	31	32	20	1				SPARE GFI BREAKER
DCO-1.16 GFI BREAKER		1,920		20	1	33	34	20	1				SPARE GFI BREAKER
DCO-1.17 GFI BREAKER			1,920	20	1	35	36	50	1				SPARE GFI BREAKER
DCO-1.18 GFI BREAKER	1,920			20	1	37	38	50	1				SPARE GFI BREAKER
DCO-1.19 GFI BREAKER		1,920		20	1	39	40	50	1				SPARE GFI BREAKER
DCO-1.20 GFI BREAKER			1,920	20	1	41	42	50	1				SPARE GFI BREAKER
SUB TOTAL (VA)	7,413	9,724	9,114							13,577	12,257	11,657	SUB TOTAL (VA)

TOTAL LOAD PHASE A: 20,990 (VA)
TOTAL LOAD PHASE B: 21,981 (VA)
TOTAL LOAD PHASE C: 20,771 (VA)
TOTAL LOAD: 63,742 (VA) = 177 AMPS

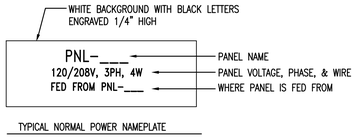
NOTES:
1. PANELBOARD TO BE BOLT-ON TYPE WITH DOOR-IN-DOOR CONSTRUCTION.
2. PROVIDE ARC FAULT LABEL PER DETAIL.
3. SERIES RATING WILL BE ALLOWED ON PANEL. PROVIDE PROPER A/C CIRCUITING RATING FOR BREAKERS AND PROVIE SPARE GFI BREAKER

Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14, Millbrook, AL 36054
1200 Providence Park, Suite 200, Birmingham, AL 35242
Tel: 334.285.1273
GA#26-090

LATHAN ▪ McKEE ARCHITECTS

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.
13. MANUFACTURER THAT WILL BE PROVIDING PANELBOARDS ON THIS PROJECT SHALL BE RESPONSIBLE FOR PERFORMING A SHORT CIRCUIT ANALYSIS AND TIME-CURRENT COORDINATION (TCC) STUDY, WHICH DEMONSTRATES THAT THE UPSTREAM OVERCURRENT PROTECTIVE DEVICE NEAREST TO THE FAULT LOCATION WILL OPERATE BEFORE OVERCURRENT PROTECTIVE DEVICES WHICH ARE FURTHER UPSTREAM (I.E. SELECTIVE COORDINATION). INCLUDE COORDINATION STUDY IN THE SHOP DRAWING PACKAGE FOR THE PANELBOARDS FOR REVIEW BY THE ENGINEER OF RECORD. AIC RATINGS MAY BE LOWERED BASED ON STUDY.
14. ALL CIRCUIT BREAKERS 1200 AMPS AND UP SHALL COMPLY WITH NEC ARTICLE 240.87 ARC ENERGY REDUCTION.



TYPICAL NORMAL POWER NAMEPLATE

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

Cafeteria Addition at Crossville High School for Dekalb County Board Of Education

SHEET TITLE: PANELBOARD SCHEDULE AND NOTES

ALABAMA REGISTERED (Expires) NO. 26888 PROFESSIONAL 7-6-26 ENGINEER KENNETH RAY CUNN, JR.

PROJ. MGR.: FGH	
DRAWN: FJP/KRG	
DATE: 07/06/26	
REVISIONS	
1	7-6-26

JOB NO. MKA-26-032-00
SHEET NO: E5.2

0 1" 2"

- N:\2026\26-090 CROSSVILLE HS CAFETERIA DEKALB CO\Drawings\RECEIVED\Arch 4-28-26\ILM_arch30x42bdr_template.dwg
- Monday, June 16, 2025 11:18:29 AM

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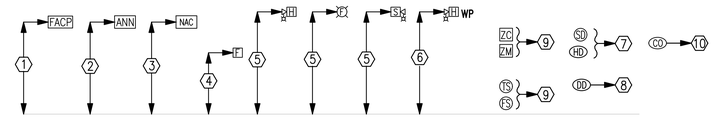
LATHAN ▪ McKEE
ARCHITECTS

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. THE CONTRACTOR OR THEIR FIRE ALARM SYSTEM VENDOR SHALL PROVIDE AUDIBILITY CALCULATIONS INDICATING COMPLIANCE WITH ALL APPLICABLE PROVISIONS OF NFPA 72 AND THE IBC. THE CONTRACT DRAWINGS INDICATE A MINIMUM DESIGN REQUIRED TO COMPLY WITH APPLICABLE CODES. HOWEVER, SINCE DEVICES VARY FROM MANUFACTURER TO MANUFACTURER THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ANY/ALL ADDITIONAL DEVICES AS REQUIRED TO PROVIDE AUDIBILITY AND VISIBILITY LEVELS THAT COMPLY WITH APPLICABLE SECTIONS OF NFPA 72 AND IBC.
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 IP 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 AND "WP' DENOTES WEATHERPROOF DEVICE..
19. SEE STANDARD MOUNTING HEIGHT INSTRUCTIONS ON DETAILS (2) THIS SHEET.
20. CONTRACTOR OR THEIR FIRE ALARM SYSTEM VENDOR SHALL PROVIDE SMOKE DETECTOR REPORTS AT THE FINAL TESTING OF THE FIRE ALARM SYSTEM TO SHOW THAT ALL SMOKE DETECTORS ARE LESS THAN 10% DIRTY. ANY SMOKE DETECTOR GREATER THAN 10% DIRTY SHALL BE CLEANED OR REPLACED UNTIL VALUE IS LESS THAN 10%.
21. CONTRACTOR SHALL COORDINATE WITH FIRE PROTECTION DRAWINGS AND PROVIDE MONITORING FOR ALL TAMPER, FLOW, AND SUPERVISORY SWITCHES AS REQUIRED PER NFPA. ALSO, COORDINATE AND PROVIDE HEAT DETECTORS WITHIN 1' OF EVERY SPRINKLER HEAD IN THE ELEVATOR SHAFT.

FIRE ALARM MOUNTING HEIGHTS/INSTRUCTIONS NOTES:

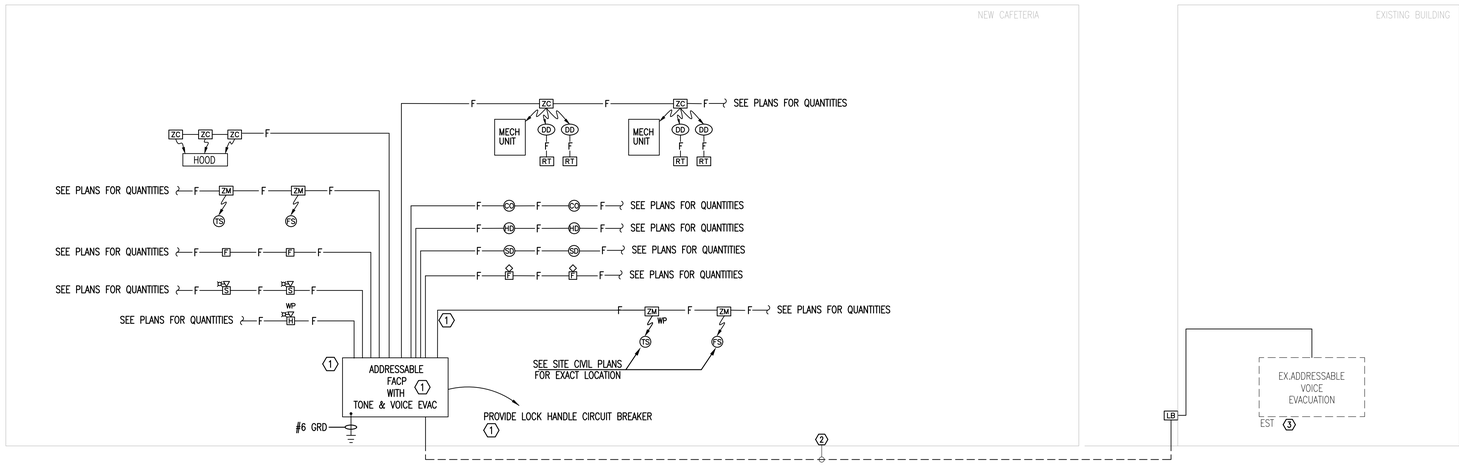
1. MOUNT FIRE ALARM ENCLOSURE WITH THE TOP OF THE CABINET 72" ABOVE THE FINISHED FLOOR OR CENTER THE CABINET AT 63", WHICHEVER IS LOWER.
2. MOUNT ANNUNCIATOR WITH THE TOP OF THE PANEL 72" ABOVE THE FINISHED FLOOR OR CENTER OF THE PANEL AT 63", WHICHEVER IS LOWER. FLUSH MOUNT ANNUNCIATOR UNLESS OTHERWISE 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.
10. MOUNT WITHIN 5'-0" OF FURNACE DISCHARGE REGISTER.



2 / E6.1 STANDARD MOUNTING HEIGHTS/INSTRUCTIONS
NO SCALE

SHEET NOTES:

1. PROVIDE SURGE SUPPRESSION ON ALL INCOMING AND OUTGOING CABLES WHERE THEY ENTER OR EXIT THE FACILITY. SURGE SUPPRESSION WILL BE REQUIRED FOR EACH CABLE.
2. PROVIDE 2"CONDUIT & FIBER OPTIC CONNECTION BETWEEN CENTRAL FIRE ALARM CONTROL PANEL IN MAIN BUILDING AND SECONDARY FIRE ALARM CONTROL PANEL IN OUTER BUILDING. PROVIDE ALL CONNECTORS, JUNCTION FIBER CABLES, TERMINATIONS, NETWORK CARDS, ETC. REQUIRED FOR FULL DUPLEX FIBER COMMUNICATIONS. SEE ELECTRICAL SITE PLAN FOR CONDUIT REQUIREMENTS.
3. EXISTING EDWARDS/EST FIRE ALARM CONTROL PANEL SHALL BE REPLACED 1 FOR 1 WITH NEW FIBER OPTIC NETWORKABLE FIRE ALARM PANEL. RECONNECT ALL EXISTING DEVICES BACK INTO NEW PANEL. REPLACE ALL THE EXISTING ANNUNCAITORS 1 FOR 1 IN THE EXISTING BUILDING. COORDINATE QUANTITY PRIOR TO BIDS. ALTERNATE MANUFACTURER'S SHALL SUBMIT FOR APPROVAL 10-DAYS PRIOR TO BIDS AND PROVE THAT THEIR EQUIPMENT IS COMPATIABLE WITH THE EXISTING EDWARDS EQUIPMENT AND THAT THEY HAVE PERFORMED A SUCCESFUL INSTALLATION EXACTLY LIKE THIS IN THE PAST. IF EXISTING PANEL IS NETWORKABLE WITH FIBER OPTIC CABLE TO THE NEW FACP, THEN PANEL DOES NOT HAVE TO BE REPLACED.



1 / E6.1 FIRE ALARM - RISER DIAGRAM
NO SCALE

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE: FIRE ALARM DIAGRAM

ALABAMA REGISTERED
PROFESSIONAL ENGINEER
KENNETH RAY GUNN JR.
No. 26988
7-2-26

PROJ. MGR.: FGH
DRAWN: FJP/KRG
DATE: 07/02/26
REVISIONS

JOB NO. MKA-26-032-00
SHEET NO: E6.1

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LATHAN
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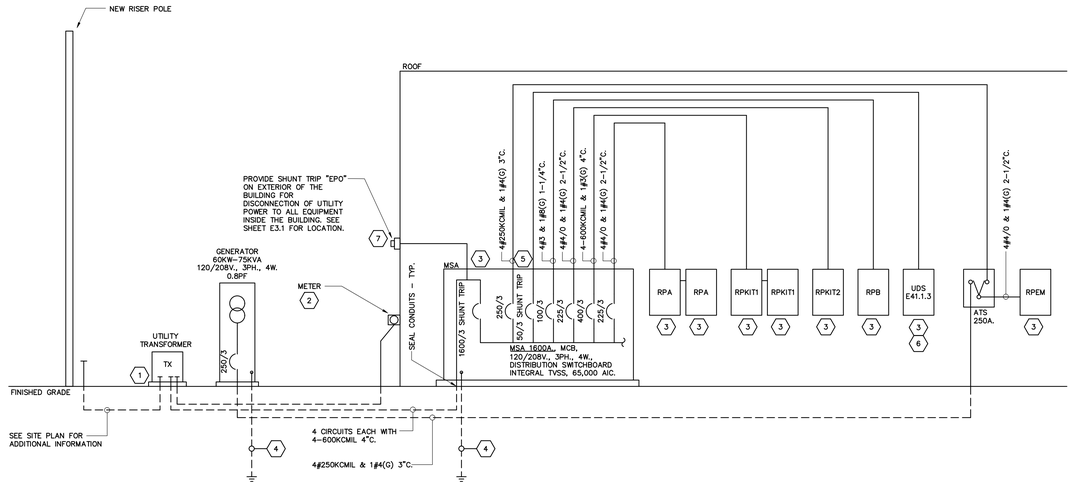
ARCHITECTS

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET NOTES:

1. TRANSFORMER PROVIDE BY UTILITY COMPANY. ELECTRICAL CONTRACTOR TO PROVIDE TRANSFORMER PAD PER UTILITY COMPANY SPECIFICATIONS.
2. METER PROVIDE BY UTILITY COMPANY. ELECTRICAL CONTRACTOR TO PROVIDE METER CONDUIT PER UTILITY COMPANY SPECIFICATIONS.
3. SEE PANELBOARD SCHEDULE FOR CIRCUIT BREAKER PROVISIONS.
4. SEE SHEET E7.2 FOR GROUNDING DETAILS.
5. SEE SERVICE ENTRANCE NAMEPLATE DETAIL THIS SHEET.
6. KITCHEN EQUIPMENT UDS PROVIDED AND INSTALLED BY OTHERS.
7. SHUNT TRIP BUTTON IS MOMENTARY CONTACT MUSHROOM TYPE WITH 2 INCH DIAMETER BUTTON AND SHALL BE WEATHERPROF AND LOCKABLE ENCLOSURE TO PREVENT ACCIDENTAL ACTIVATION. LOCATE WHERE SHOWN ON PLANS (SEE SHEET E3.1.) PROVIDE MELAMINE ENGRAVED SIGNAGE (WHITE BACKGROUND/RED LETTERING) ABOVE BUTTON WITH 3/4" LETTERING THAT READS "EMERGENCY POWER DISCONNECT FOR BUILDING. DEPRESSING THIS BUTTON WILL DISCONNECT UTILITY POWER FROM BUILDING."



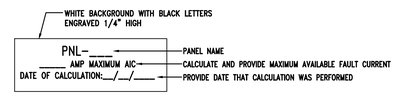
1 E7.1 **RISER DIAGRAM POWER DISTRIBUTION**
NO SCALE

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.
5. PROVIDE 4" CONCRETE HOUSEKEEPING PAD WITH 1" CHAMFER FOR ALL FLOOR MOUNTED TRANSFORMERS AND SWITCHBOARDS.
6. COORDINATE WITH GROUNDING DETAILS ON SHEET E7.02 FOR ALL THE DIFFERENT TYPE GROUNDING REQUIREMENTS.
7. ALL UNDERGROUND SECONDARY FEEDERS SHALL BE A MINIMUM OF 36" BELOW GRADE TO THE TOP OF THE DUCT BANK.
8. ALL UNDERGROUND PRIMARY FEEDERS SHALL BE A MINIMUM OF 48" BELOW GRADE TO THE TOP OF THE CONDUIT.
9. CONTRACTOR SHALL PROVIDE A FULL SIZE COPY OF THE AS-BUILT POWER RISER DIAGRAM FRAMED BEHIND PLEXIGLASS SCREWED TO THE WALL NEAR MAIN SERVICE PANEL.

NOTES:

1. CONTRACTOR SHALL CALCULATE AND PROVIDE NAMEPLATE ON THE SERVICE ENTRANCE EQUIPMENT THAT INDICATES THE MAXIMUM AVAILABLE FAULT CURRENT AND THE DATE THE CALCUALTION WAS PERFORMED. SEE NAMEPLATE REQUIREMENTS BELOW.



TYPICAL SERVICE ENTRANCE FAULT CURRENT NAMEPLATE

2 E7.1 **DETAIL - SERVICE ENTRANCE FAULT CURRENT NAMEPLATE**
NO SCALE

SHEET TITLE: RISER DIAGRAM AND NOTES

ALABAMA REGISTERED PROFESSIONAL ENGINEER
No. 26988
7-2-26
KENNETH RAY GUNN, JR.

PROJ. MGR.:	FGH
DRAWN:	FJP/KRG
DATE:	07/02/26
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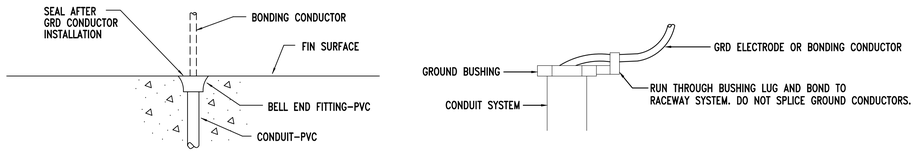
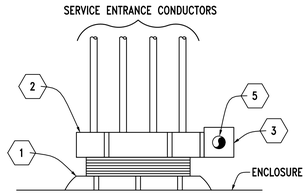
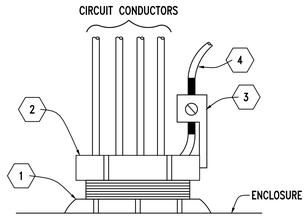
NOTES
1. ALL GROUND ELECTRODE CONDUCTORS, SYSTEM BONDING CONDUCTORS, ETC., RUN SEPARATELY SHALL BE PROTECTED BY A CONDUIT SYSTEM.
2. ALL SYSTEM GROUNDING OR BONDING CONDUCTORS SHALL GENERALLY BE ENCLOSED BY A GRC CONDUIT. PROVIDE GROUND BUSHINGS ON EACH END AND BOND CONDUCTORS TO RACEWAY SYSTEM.
3. SYSTEM BONDING CONDUCTORS THAT PENETRATE CONCRETE SLABS SHALL BE ENCLOSED BY A PVC CONDUIT. PROVIDE BELL END FITTING ON EACH END AND SEAL. THOSE TERMINATING AT A STUB-UP SHALL BE FLUSH WITH FLOOR.



1 / E7.2 DETAIL - TYPICAL GROUND CONDUCTOR IN CONDUIT SYSTEM
NO SCALE



FOR SERVICE ENTRANCE CONDUITS

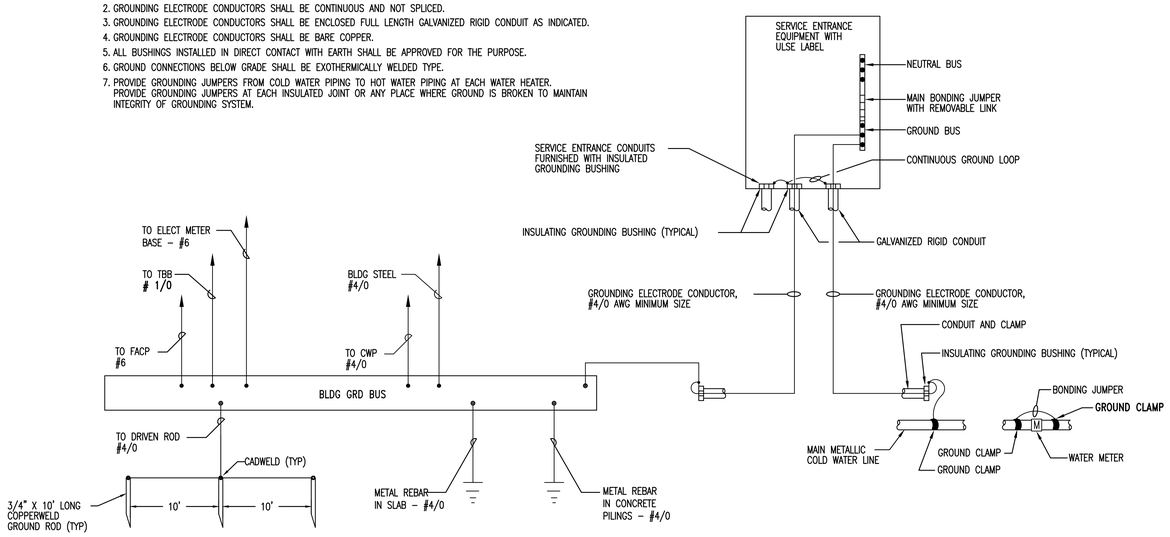


FOR FEEDER AND/OR BRANCH CIRCUITS

DETAIL NOTES
1. LOCK-NUT ASSEMBLIES
2. METAL GROUNDING BUSHING
3. COPPER GROUND LUG
4. COPPER GROUND CONDUCTOR. REMOVE INSULATION AT BUSHING, RUN THROUGH BUSHING LUG AND BOND TO RACEWAY SYSTEM. DO NOT SPLICE OR TAP.
5. CONTINOUS COPPER GROUND CONDUCTOR FROM GROUND BUS THROUGH EACH BUSHING. DO NOT SPLICE OR TAP.

2 / E7.2 DETAIL - TYPICAL GROUND BUSHING INSTALLATION
NO SCALE

NOTES
1. GROUNDING ELECTRODE SYSTEM SHALL BE IN ACCORDANCE WITH NEC ARTICLE 250
2. GROUNDING ELECTRODE CONDUCTORS SHALL BE CONTINUOUS AND NOT SPLICED.
3. GROUNDING ELECTRODE CONDUCTORS SHALL BE ENCLOSED FULL LENGTH GALVANIZED RIGID CONDUIT AS INDICATED.
4. GROUNDING ELECTRODE CONDUCTORS SHALL BE BARE COPPER.
5. ALL BUSHINGS INSTALLED IN DIRECT CONTACT WITH EARTH SHALL BE APPROVED FOR THE PURPOSE.
6. GROUND CONNECTIONS BELOW GRADE SHALL BE EXOTHERMICALLY WELDED TYPE.
7. PROVIDE GROUNDING JUMPERS FROM COLD WATER PIPING TO HOT WATER PIPING AT EACH WATER HEATER. PROVIDE GROUNDING JUMPERS AT EACH INSULATED JOINT OR ANY PLACE WHERE GROUND IS BROKEN TO MAINTAIN INTEGRITY OF GROUNDING SYSTEM.

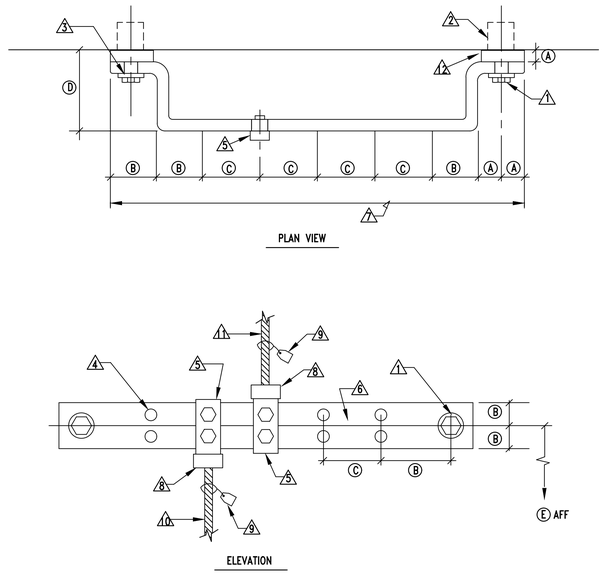


3 / E7.2 DETAIL - SERVICE ENTRANCE GROUNDING INSTALLATION
NO SCALE

GROUNDING AND BONDING INSTALLATION NOTES
1. ALL GROUNDING AND BONDING SHALL BE IN ACCORDANCE WITH THE NEC, NESC, IEEE, ANSI AND UL STANDARDS.
2. ALL DIMENSIONING INDICATED IN THESE DOCUMENTS ARE FOR REFERENCE AND COORDINATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS IN THE FIELD.
3. THE PURPOSE OF THE GROUNDING AND BONDING SYSTEM IS TO ESTABLISH ALL EQUIPMENT ENCLOSURES, NON-CURRENT CARRYING METALLIC PORTIONS OF THE ELECTRICAL DISTRIBUTION SYSTEM, METAL PIPING, METAL BUILDING FRAME, ETC., AT A ZERO POTENTIAL RELATIVE TO THE EARTH GROUND AND PROVIDE FOR A SAFE, LOW IMPEDANCE RETURN PATH FOR GROUND-FAULT CURRENT. THIS SHALL BE ACCOMPLISHED IN THE FOLLOWING MANNER:
   a. PROVIDE A SOLIDLY GROUNDED SECONDARY SYSTEM.
   b. INTER-CONNECT ALL GROUND BUSES AND POINTS IN THE SYSTEM WITH A COPPER GRD CONDUCTOR (BUS) SYSTEM.
   c. ALL METALLIC RACEWAYS SHALL BE UL APPROVED AND MADE-UP TIGHT AT ALL COUPLINGS AND TERMINATIONS.
   d. ALL GROUND CONDUCTORS IN CIRCUITS SHALL BE CONTAINED WITHIN THE SAME RACEWAY AS CURRENT CARRYING CONDUCTORS.
   e. ALL SPLICES AND TERMINATIONS SHALL BE MADE TIGHT AND AS SUCH TO PROVIDE LOW IMPEDANCE AND SHALL HAVE THE SAME SHORT-TIME CURRENT-CARRYING CAPABILITY AS THE CONDUCTOR IT IS CONNECTED TO.
   f. ALL GRD ELECTRODES OR BONDING CONDUCTORS INSTALLED ALONE WITHIN A RACEWAY SHALL UTILIZE GRC WITH GROUNDING BUSHINGS AT EACH END. THIS GROUND CONDUCTOR SHALL LOOP THROUGH THE BUSHING LUG PRIOR TO TERMINATION.

DIMENSION BLOCK		
REF	ENGLISH	SI
A	1"	25.4mm
B	2"	50.8mm
C	2 1/2"	63.5mm
D	3"	76.2mm
E	1'-6"	.4572m

GROUND BUS NOTES
1. GROUND BUS INSTALLATION SHALL BE IN ACCORDANCE WITH THIS DETAIL AND AS INDICATED ON THE DRAWINGS.



4 / E7.2 DETAIL - TYPICAL GROUND BUS INSTALLATION
NO SCALE

KEYED NOTES
1. 1/2" (12.7mm) X 1 1/2" (38.1mm) SILICON-BRONZE MACHINE BOLT & SILICON-BRONZE WASHER
2. 1/2" (12.7mm) EXPANSION ANCHOR
3. 9/16"ø (14.2875mm) HOLE IN BAR
4. DRILLED DOUBLE CONNECTOR HOLES
5. FLAT, TWO-HOLE CU CABLE CONNECTOR #6 TO #2 (DOUBLE LUGS) #1 TO #4/0 (SINGLE LUGS ONLY)
6. 4" (101.6mm) WIDE, 1/4" (6.35mm) DEEP COPPER BUS BAR.
7. LENGTH AS REQUIRED BY NUMBER OF CONDUCTOR CONNECTIONS OR AS SPECIFICALLY INDICATED. PROVIDE INTERMEDIATE WALL SUPPORTS AS REQUIRED.
8. TYP CU GRD CONDUCTOR CONNECTION
9. DESCRIPTION TAG. STATE SIZE OF CONDUCTOR AND TO WHAT IT IS CONNECTED TO.
10. TYP GRD CONNECTION FROM BELOW. SEE APPLICABLE DETAILS FOR SLAB PENETRATIONS.
11. TYP GRD CONNECTION FROM ABOVE. SEE APPLICABLE DETAILS FOR GRC INSTALLATIONS.
12. INSULATED NON-CONDUCTIVE SPACER

Cafeteria Addition at Crossville High School for Dekalb County Board Of Education

SHEET TITLE: GROUNDING DETAILS

ALABAMA REGISTERED Personal Seal No. 26988 PROFESSIONAL ENGINEER 7-2-26 KENNETH RAY GUNN, JR.

PROJ. MGR.: FGH
DRAWN: FJP/KRG
DATE: 07/02/26
REVISIONS

JOB NO. MKA-26-032-00
SHEET NO: E7.2

0 1" 2"

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Gunn & Associates, P.C.
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Birmingham, AL 35242
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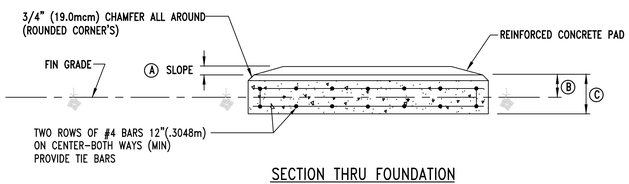
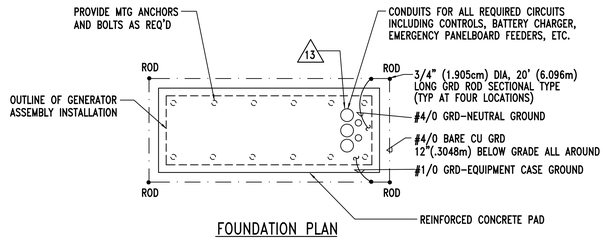
LATHAN ▪ McKEE ARCHITECTS

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

DIMENSION BLOCK		
REF	ENGLISH	SI
A	1/4"	6.35mm
B	0'-4"	101.6mm
C	0'-10"	254.0mm
D	1'-0"	304.8mm



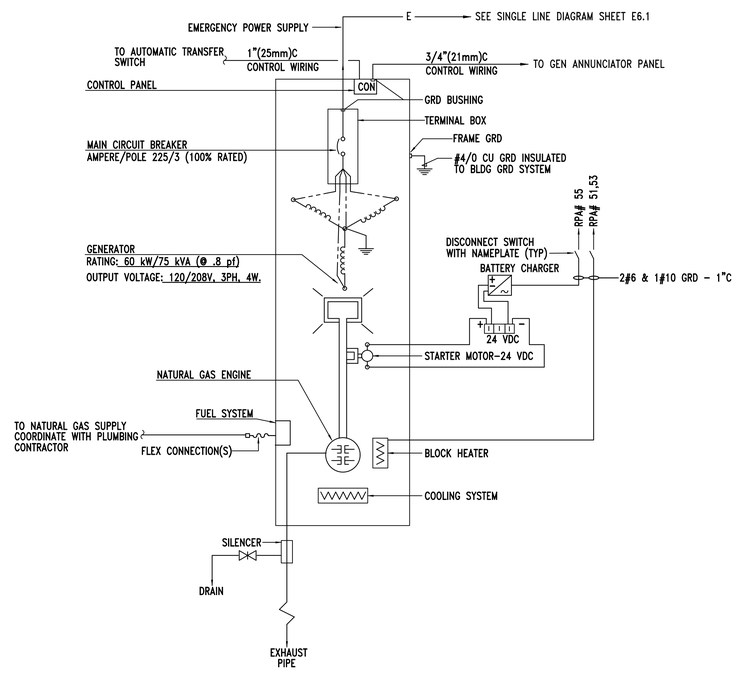
SECTION THRU FOUNDATION



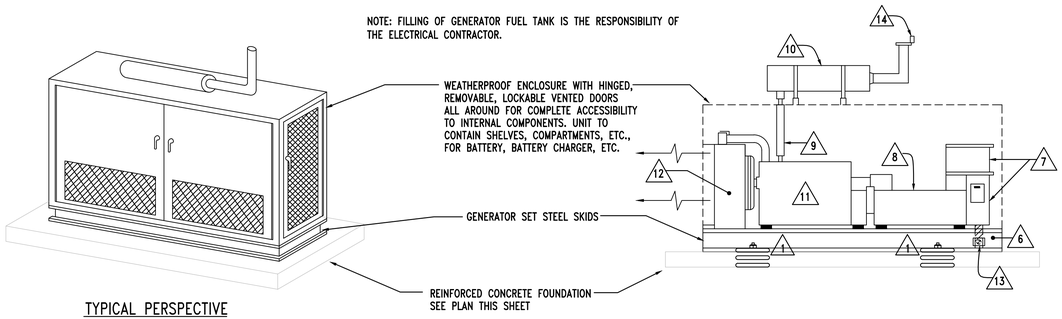
FOUNDATION PLAN

KEYED NOTES

1. SPRING ISOLATORS (SEE DETAIL 4 THIS SHEET)
2. NOT USED.
3. VARIOUS CONNECTIONS PER MANUFACTURER'S REQUIREMENTS AND APPLICABLE CODES, INCLUDING NORMAL AND EMERGENCY VENTS, FUEL FILL OPENING WITH CAP, FUEL LEVEL GAUGE, FUEL SUPPLY AND RETURN AND DRAIN LINES, LOW LEVEL SWITCH, ETC.
4. STEEL RAILS
5. HOLES FOR MOUNTING GENERATOR SKIDS
6. ELECTRICAL STUB-UP AREA. INSTALL EP SEAL-OFF FITTING IN EACH CONDUIT ENTERING THIS SPACE.
7. ELECTRICAL EQUIPMENT (CIRCUIT BREAKER, CONTROL PANEL, ETC.)
8. GENERATOR
9. FLEXIBLE EXHAUST SYSTEM
10. EXHAUST CRITICAL SILENCER
11. NATURAL GAS ENGINE SYSTEM
12. FAN AND RADIATOR ASSEMBLY
13. CONDUIT STUB-UPS, SEAL-OFF FITTINGS AND CONVERSIONS TO WEATHERPROOF FLEXIBLE CONNECTIONS TO ELECTRICAL APPARATUS. SEE DETAIL 3 THIS SHEET.
14. RAIN CAP



1 E7.3 DETAIL - GENERATOR SCHEMATIC - ENGINE GENERATOR
NO SCALE



TYPICAL PERSPECTIVE

SIDE VIEW – GENERATOR SET INSTALLED ON SUB-BASE FUEL TANK

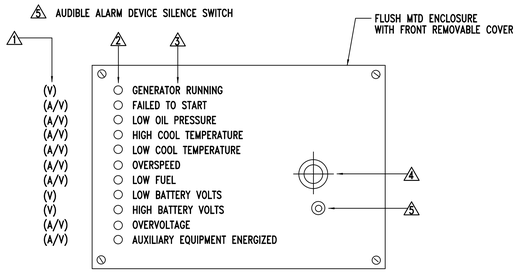
STANDBY GENERATOR SYSTEM NOTES

1. STANDBY GENERATOR SYSTEM SHALL CONSIST OF BUT NOT BE LIMITED TO THE FOLLOWING:
   a. GENERATOR SETS
   b. NATURAL GAS FUEL SYSTEM FOR GENERATOR
   c. POWER SYSTEM
   d. AUTOMATIC TRANSFER SYSTEM
   e. CONTROLS
   f. STARTING SYSTEM
   g. COOLING SYSTEM
   h. EXHAUST SYSTEM
   i. LUBRICATION SYSTEM
2. INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC), NEMA, NESC AND NATIONAL FIRE PROTECTION AGENCY (NFPA).
3. ALL CONDUCTIVE PARTS OF EQUIPMENT, ENCLOSURES, FRAMES, ETC., SHALL BE GROUNDED.
4. ALL CLEARANCES SHALL BE MAINTAINED PER NESC AND NEC. ALL PARTS, DEVICES, EQUIPMENT, ETC. WHICH REQUIRE MAINTENANCE, ADJUSTMENT, OPERATION OR EXAMINATION DURING NORMAL NETWORK OPERATION SHALL BE ARRANGED SO AS TO BE ACCESSIBLE BY THE PROVISION OF ADEQUATE WORKING SPACES, WORKING FACILITIES AND CLEARANCES. UNLESS NOTED OTHERWISE ALL CLEARANCES ARE MEASURED FROM SURFACE TO SURFACE.
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.
6. WIRING SYSTEMS SHALL BE IN ACCORDANCE WITH NEC AND THE FOLLOWING:
   a. SEE SINGLE LINE DIAGRAM FOR POWER SYSTEM REQUIREMENTS.
   b. CONTROL WIRING SHALL BE INSTALLED IN CONDUITS INDICATED. WIRING TO BE IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS FOR THE EQUIPMENT SPECIFIED. COORDINATE WITH SHOP DRAWINGS.
   c. PROVIDE FLEXIBLE CONDUIT CONNECTIONS TO THE GENERATOR SET.
7. DIESEL FUEL SYSTEM SEE PLUMBING DRAWINGS FOR DETAILS.
8. PROVIDE SEAL-OFF FITTINGS FOR ALL CONDUITS TO/FROM ENGINE/GENERATOR AND TO/FROM LAB BUILDING. SEE DETAIL 2/E6.1 FOR REQUIREMENTS.

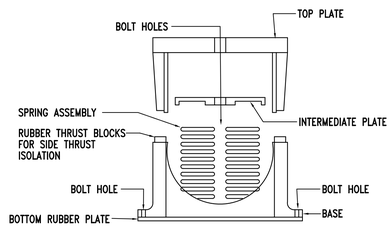
2 E7.3 GENERATOR DETAILS AND ELEVATIONS
NO SCALE

NOTES

1. COLUMN SHOWN INDICATES TYPE OF MALFUNCTION SIGNAL AT THE REMOTE PANEL (V – VISUAL, A/V – AUDIBLE AND VISUAL).
2. LED LAMP INDICATORS
3. LAMP LEGEND
4. AUDIBLE ALARM DEVICE
5. AUDIBLE ALARM DEVICE SILENCE SWITCH

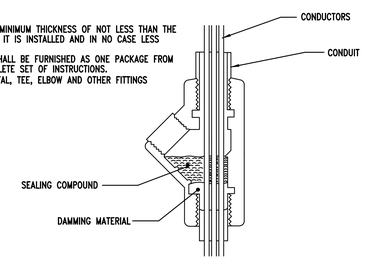


3 E7.3 DETAIL - REMOTE GENERATOR ANNUNCIATOR PANEL " GA
NO SCALE



4 E7.3 DETAIL - TYPICAL VIBRATION ISOLATOR
NO SCALE

NOTES:
1. SEALING COMPOUND MUST HAVE A MINIMUM THICKNESS OF NOT LESS THAN THE TRADE SIZE OF CONDUIT IN WHICH IT IS INSTALLED AND IN NO CASE LESS THAN 5/8"(15.875mm).
2. SEALING FITTING AND COMPOUND SHALL BE FURNISHED AS ONE PACKAGE FROM ONE MANUFACTURER WITH A COMPLETE SET OF INSTRUCTIONS.
3. VERTICAL FITTING SHOWN. HORIZONTAL, TEE, ELBOW AND OTHER FITTINGS ARE SIMILAR IN DESIGN.



5 E7.3 DETAIL – SEALING FITTING INSTALLATION
NO SCALE

SHEET TITLE: GENERATOR DETAILS

ALABAMA REGISTERED PROFESSIONAL ENGINEER
Kenneth Ray Gunn, Jr.
No. 26988
7-2-26

PROJ. MGR.: FGH
DRAWN: FJP/KRG
DATE: 07/02/26
REVISIONS

JOB NO. MKA-26-032-00
SHEET NO: E7.3

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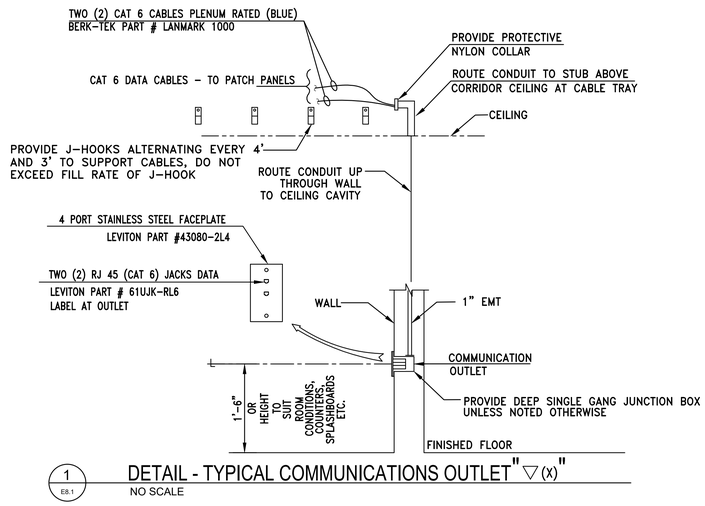
LATHAN ▪ McKEE
ARCHITECTS

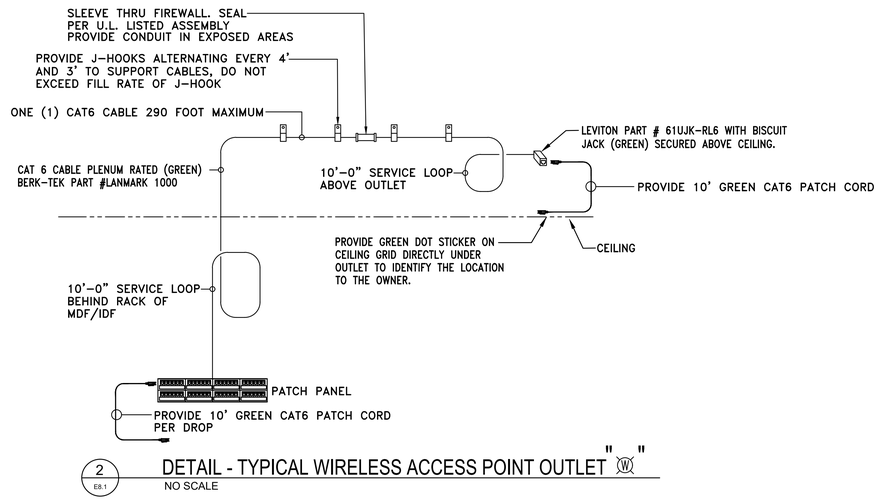
▶ * FLOOR BOX PROVIDE THE SAME NUMBER OF CABLES AND JACKS AS SHOWN ON THIS DETAIL.

(X) * THE (X) NUMBER IN PARENTHESES INDICATES THE NUMBER OF DATA CAT 6 JACKS AND CABLES TO EACH COMMUNICATIONS OUTLET.

AC * DESIGNATES TO INSTALL DEVICE ABOVE COUNTER

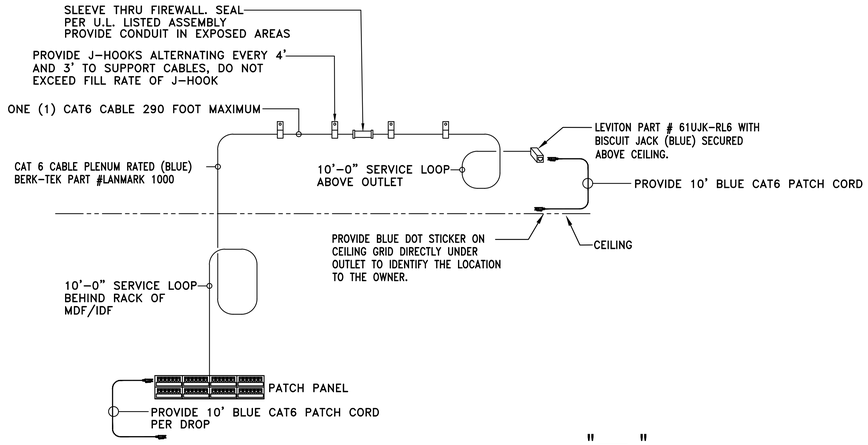


1 E8.1 DETAIL - TYPICAL COMMUNICATIONS OUTLET "▽(X)"
NO SCALE



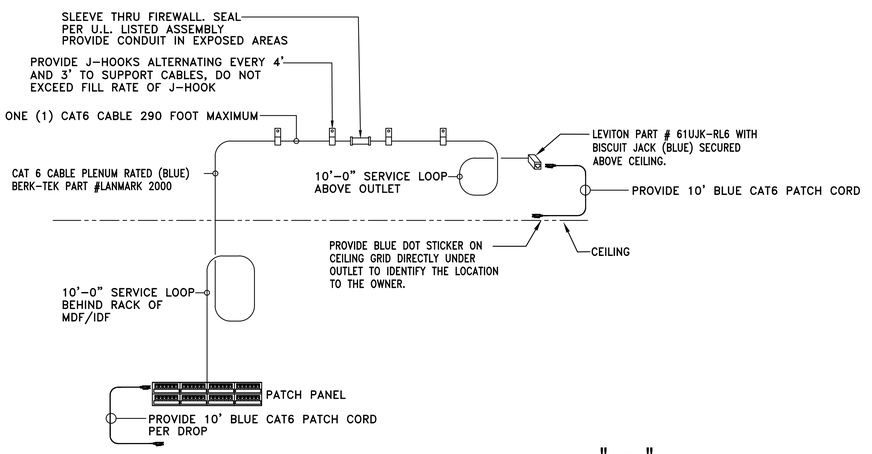
2 E8.1 DETAIL - TYPICAL WIRELESS ACCESS POINT OUTLET "Ⓦ"
NO SCALE

* NOTE: EXTERIOR CAMERAS PROVIDE SINGLE GANG JUNCTION BOX WITH 3/4" CONDUIT STUBBED TO ABOVE INTERIOR CEILING. COORDINATE EXTERIOR CAMERA KEYSTONE LOCATION WITH OWNER PRIOR TO INSTALLATION

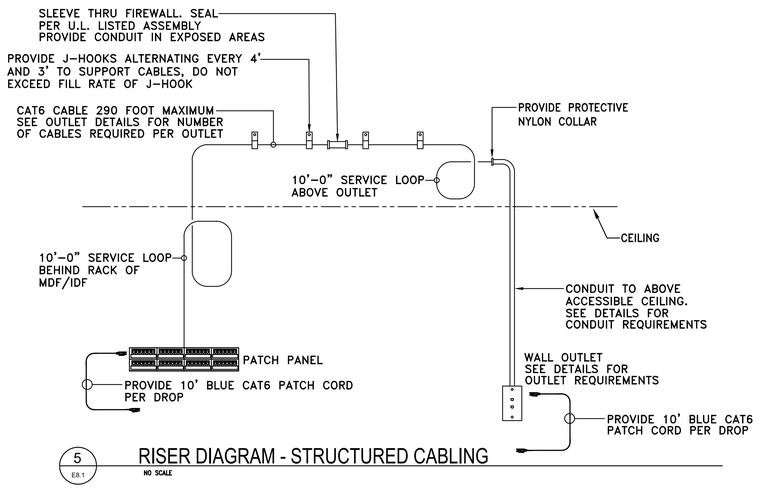


3 E8.1 DETAIL - TYPICAL WIRELESS ACCESS POINT OUTLET "CCTV"
NO SCALE

* NOTE PROVIDE SINGLE GANG JUNCTION BOX WITH CONDUIT STUBBED TO ABOVE 3/4" CONDUIT STUBBED TO ABOVE INTERIOR CEILING. COORDINATE EXTERIOR CAMERA KEYSTONE LOCATION WITH OWNER PRIOR TO INSTALLATION



4 E8.1 DETAIL - TYPICAL WALL AND CEILING VAPE SENSOR "VS"
NO SCALE



5 E8.1 RISER DIAGRAM - STRUCTURED CABLING
NO SCALE

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

Cafeteria Addition
at
Crossville High School
for
Dekalb County Board Of Education

SHEET TITLE: AUXILIARY DETAILS

ALABAMA REGISTERED Kenneth Ray Gunn Jr. NO. 26868 PROFESSIONAL 7-2-26 ENGINEER

PROJ. MGR.: FGH
DRAWN: FJP/KRG
DATE: 07/02/26
REVISIONS

JOB NO. MKA-26-032-00
SHEET NO: E8.1

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SHEET TITLE: AUXILIARY DETAILS

COMMUNICATION NOTES:

1. 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.
2. PROVIDE A PLASTIC BUSHING OR PROTECTIVE COLLAR AT EACH CONDUIT TERMINATION, INCLUDING TERMINATIONS ABOVE THE CEILING, AT CABLE TRAY, OR AT TBB.
3. 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.
4. SEAL ALL CONDUITS FROM THE EXTERIOR WITH A SEALING COMPOUND, ONCE ALL CABLING HAS BEEN INSTALLED.
5. PROVIDE GROUND BUS FOR EACH TBB. SEE GROUND BUS INSTALLATION DETAIL.
6. STENCIL ALL JUNCTION BOX COVERS ABOVE THE CEILING WITH 2" LETTERS THAT READ "COMM".
7. ELECTRICAL CONTRACTOR WILL BE RESPONSIABLE FOR ALL RACEWAYS, J-HOOKS, CABLING, PATCH PANELS, TERMINATIONS, BACKBOARDS, ETC. SEE RISER DIAGRAM, DETAILS, AND SPECIFICATIONS FOR FURTHER EQUIPMENT REQUIREMENTS.
8. BOND RACK FRAMES, STRUT, CONDUITS, AND LADDER RACK TO THE GROUND BUS WITH MINIMUM SIZE WIRE OF #1/0.

COMMUNICATIONS BACKBONE CABLING LEGEND

(A)	6 STRAND SINGLE-MODE OS2 FIBER OPTICS WITH LC CONNECTORS MOUNTED IN (1) 2"C.

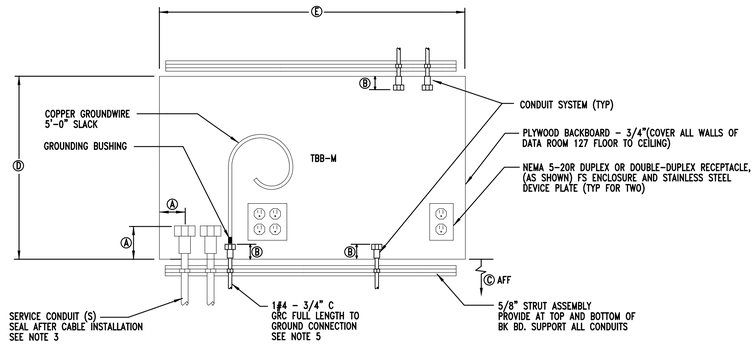
*ROUTE FIBER ABOVE CEILING IN J-HOOKS FROM EX.MDF TO IDFA. PROVIDE EMT CONDUIT IN ANY EXPOSED AREAS.

3 E8.2 COMMUNICATION BACKBONE RISER
NO SCALE

NOTES:

1. ALL EMPTY CONDUITS SHALL BE FURNISHED WITH PULLWIRE.
2. ALL CONDUIT ENDS TO CONTAIN A PLASTIC BUSHING (CONNECTOR AND BUSHING ASSEMBLY WHEN REQUIRED).
3. ALL CONDUITS FROM EXTERIOR OR BELOW GRADE SHALL BE SEALED AFTER CABLE INSTALLATION. COMPOUNDS FOR SEALING DUCTS AND CONDUIT SHALL HAVE A PUTTY-LIKE CONSISTENCY WORKABLE WITH THE HANDS AT TEMPERATURES AS LOW AS 35°F, SHALL NOT SLUMP AT A TEMPERATURE OF 300°F, AND SHALL NOT HARDEN MATERIALLY WHEN EXPOSED TO THE AIR.
4. PLYWOOD SHALL BE 3/4" EXTERIOR RATED AND CUT TO SIZE AS INDICATED. PAINT WITH TWO COATS OF FIRE RETARDENT PAINT.
5. THE GROUND CONNECTION SHALL BE MADE TO THE BUILDING GROUNDING SYSTEM TO ESTABLISH EQUAL POTENTIAL WITH THE GROUND ELECTRODE SYSTEM.

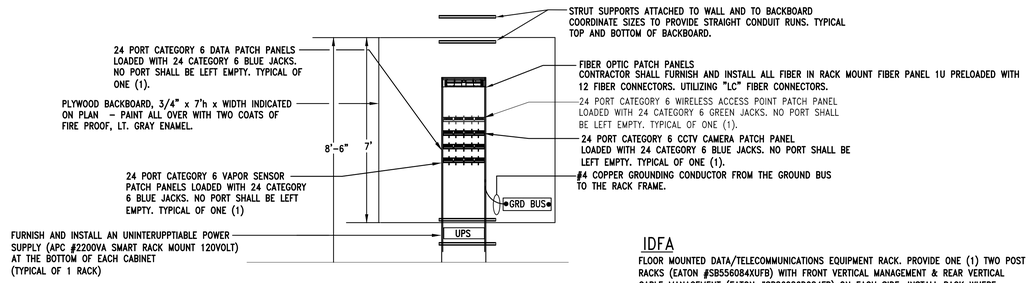
DIMENSION BLOCK	
REF	ENGLISH
A	0'-3"
B	0'-1"
C	2'-0"
D	4'-0"
E	8'-0"



1 E8.2 DETAIL - COMMUNICATIONS SYSTEM BACKBOARD PROVISIONS
NO SCALE

*ALL DATA CABLES AND INTERCOM SHALL BE TERMINATED ON DATA PATCH PANELS
*ALL WIRELESS ACCESS CABLES SHALL BE TERMINATED ON WIRELESS ACCESS PATCH PANELS
*ALL SECURITY CAMERA CABLES SHALL BE TERMINATED ON SECURITY CAMERA PATCH PANELS
*PROVIDE NUMBER OF PATCH PANEL PARTS AS REQUIRED FOR ALL STRUCTURED CABLE DROPS WITH 25% SPARE CAPACITY.
*ALL FIBER OPTIC CONNECTIONS SHALL BE "LC" TYPE

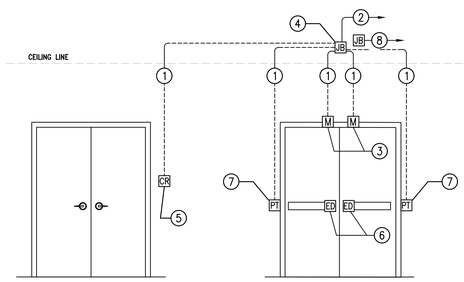
EQUIPMENT TRAY FURNISH AND INSTALL 18" EQUIPMET TRAY FROM EACH RACK TO WALL. FURNISH AND INSTALL 18" EQUIPMENT TRAY AROUND WALL AS REQUIRED TO SUPPORT CABLES.



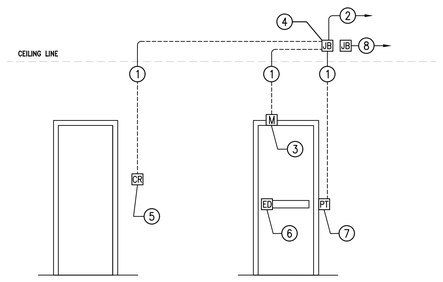
IDFA

FLOOR MOUNTED DATA/TELECOMMUNICATIONS EQUIPMENT RACK. PROVIDE ONE (1) TWO POST RACKS (EATON #SB556084XUFB) WITH FRONT VERTICAL MANAGEMENT & REAR VERTICAL CABLE MANAGEMENT (EATON #SB860860D084FB) 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.

2 E8.2 IDFA COMMUNICATIONS RACK ELEVATION
NO SCALE



A E8.2 TYPICAL DOOR TYPE "A"
NO SCALE



B E8.2 TYPICAL DOOR TYPE "B"
NO SCALE

ALABAMA REGISTERED Kenneth Ray Gunn Jr. 26988 PROFESSIONAL ENGINEER 7-2-26

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