A NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

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ARCHITECT LATHAN ASSOCIATES ARCHITECTS, P.C. dba LATHAN McKEE ARCHITECTS, 300 CHASE PARK SOUTH, SUITE 200, HOOVER, ALABAMA 35244, EMAIL: LATHANRFI@LATHANMCKEE.COM

CIVIL ENGINEER TTLUSA, 10 INVERNESS CENTER PARKWAY, SUITE 350, HOOVER, ALABAMA 35242

MECHANICAL / PLUMBING ENGINEER DEWBERRY, 2 RIVERCHASE OFFICE PLAZA, SUITE 205, HOOVER, ALABAMA 35244

STRUCTURAL ENGINEER SDG, INC, 300 CHASE PARK SOUTH, SUITE 125, HOOVER, ALABAMA 35244

ELECTRICAL ENGINEER STEWART ENGINEERING, 300 EAST 7TH STREET, ANNISTON, ALABAMA 36202

DRAWING INDEX (SET - 81 TOTAL SHEETS)

GENERAL (5 SHEETS)

- T1 - TITLE AND INDEX
- LS1.1 - LIFE SAFETY PLAN
- G1.1 - TYPICAL GENERAL NOTES
- G1.2 - TYPICAL GENERAL NOTES
- G1.3 - TYPICAL GENERAL NOTES

CIVIL DRAWINGS (18 SHEETS)

- C0.1 - CIVIL NOTES
- C1.0 - SITE DEMOLITION PLAN - BASE BID
- C1.1 - SITE DEMOLITION PLAN NORTH PARKING LOT ALTERNATE
- C1.2 - SITE DEMOLITION PLAN SOUTH PARKING LOT AND PLAYGROUNDS ALTERNATE
- C2.0 - SITE LAYOUT PLAN - BASE BID
- C2.1 - SITE LAYOUT PLAN NORTH PARKING LOT ALTERNATE
- C2.2 - SITE LAYOUT PLAN SOUTH PARKING LOT AND PLAYGROUNDS ALTERNATE
- C3.0 - GRADING PLAN - BASE BID
- C3.1 - GRADING PLAN NORTH PARKING LOT ALTERNATE
- C3.2 - GRADING PLAN SOUTH PARKING LOT AND PLAYGROUND ALTERNATE
- C4.0 - DRAINAGE PLAN BASE BID
- C5.0 - EROSION CONTROL PLAN BASE BID
- C5.1 - EROSION CONTROL PLAN NORTH PARKING LOT ALTERNATE
- C5.2 - EROSION CONTROL PLAN SOUTH PARKING LOT AND PLAYGROUND ALTERNATE
- C6.0 - SITE UTILITY PLAN BASE BID
- C7.0 - CIVIL DETAILS
- C7.1 - CIVIL DETAILS
- C7.2 - CIVIL DETAILS

ARCHITECTURAL DRAWINGS (27 SHEETS)

- A1.0 - EXISTING SITE PLAN
- A1.1 - ARCHITECTURAL SITE PLAN
- A2.1 - MAIN LEVEL FLOOR DIMENSION PLAN
- A2.2 - MAIN LEVEL FLOOR SYMBOL PLAN
- A2.3 - UPPER LEVEL PLAN
- A2.4 - ROOF PLAN
- A2.5 - TYPICAL ROOF DETAILS
- A2.6 - ROOF DETAILS
- A2.7 - DOOR AND WINDOW SCHEDULES AND DETAILS
- A2.8 - PLAN DETAILS
- A3.1.1 - EXTERIOR ELEVATIONS
- A3.1.2 - EXTERIOR ELEVATIONS
- A3.2.1 - BUILDING SECTIONS
- A3.3.1 - WALL SECTIONS
- A3.3.2 - WALL SECTIONS
- A3.3.3 - WALL SECTIONS
- A3.3.4 - WALL SECTIONS
- A5.1 - ENLARGED TOILET PLANS, ELEVATIONS AND DETAILS
- A5.2 - TOILET ELEVATIONS
- A6.1 - INTERIOR ELEVATIONS
- A6.2 - MILLWORK SECTION DETAILS
- A7.1 - REFLECTED CEILING PLAN
- A8.1 - FLOOR FINISH PLAN, FINISH SCHEDULE, AND LEGENDS
- A8.2 - TRANSITION DETAILS
- A9.1 - SIGNAGE PLAN
- A10.1 - ARCHITECTURAL SITE PLAN - ALTERNATES

STRUCTURAL DRAWINGS (11 SHEETS)

- S1.0 - GENERAL NOTES
- S1.1 - GENERAL NOTES CONTINUED
- S1.2 - TYPICAL DETAILS
- S1.3 - TYPICAL DETAILS
- S1.4 - TYPICAL DETAILS
- S1.5 - TYPICAL DETAILS
- S2.1 - FOUNDATION PLAN
- S2.2 - ROOF FRAMING PLAN
- S3.1 - SECTIONS AND DETAILS
- S3.2 - SECTIONS AND DETAILS
- S3.3 - SECTIONS AND DETAILS

FIRE PROTECTION DRAWINGS (2 SHEETS)

- FP0.1 - FIRE PROTECTION SCHEDULES, DETAILS, AND NOTES
- FP1.1 - FIRE PROTECTION FLOOR PLAN

PLUMBING DRAWINGS (5 SHEETS)

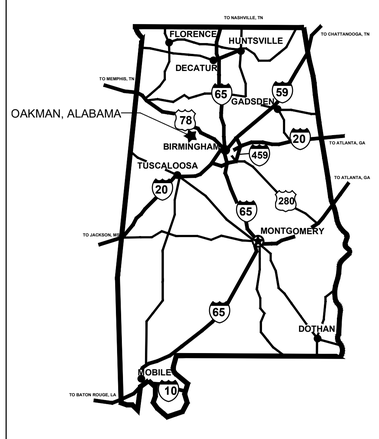
- P0.1 - PLUMBING SCHEDULES, DETAILS, AND NOTES
- P1.1 - NON-PRESSURE PIPING FLOOR PLAN
- P1.2 - NON PRESSURE PIPING - ENLARGED FLOOR PLANS
- P2.0 - PRESSURE PIPING - FLOOR PLAN
- P2.1 - PRESSURE PIPING - ENLARGED FLOOR PLANS

MECHANICAL DRAWINGS (9 SHEETS)

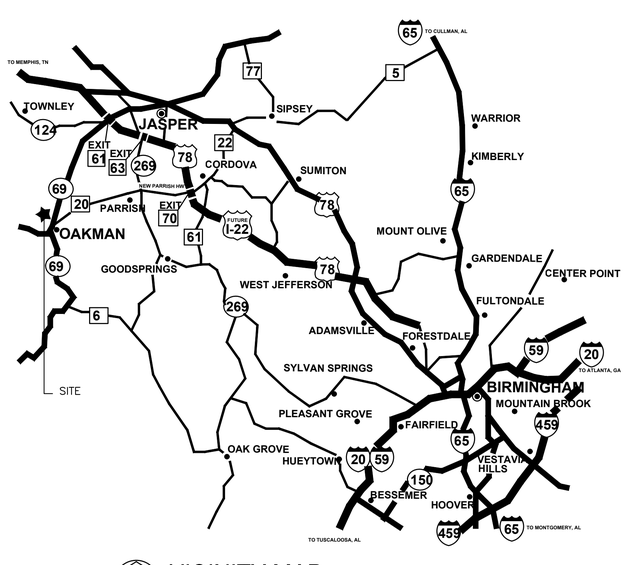
- M0.1 - MECHANICAL LEGENDS AND NOTES
- M0.2 - MECHANICAL SCHEDULES
- M0.3 - MECHANICAL DETAILS
- M0.4 - MECHANICAL CONTROLS
- M0.5 - MECHANICAL CALCULATIONS
- M0.6 - MECHANICAL CALCULATIONS
- M1.0 - MECHANICAL FLOOR PLAN
- M1.1 - MECHANICAL UPPER LEVEL PLAN
- M2.0 - MECHANICAL PIPING FLOOR PLAN

ELECTRICAL DRAWINGS (5 SHEETS)

- E1.1 - SCHEDULES, SYMBOLS, AND NOTES
- E2.1 - MASTER PLAN AND SINGLE LINE DIAGRAM
- E3.1 - FLOOR PLAN - LIGHTING
- E4.1 - FLOOR PLAN - POWER
- E5.1 - FLOOR PLAN - AUXILIARIES



AREA MAP
STATE OF ALABAMA



VICINITY MAP
OAKMAN, ALABAMA

LATHAN McKEE ARCHITECTS

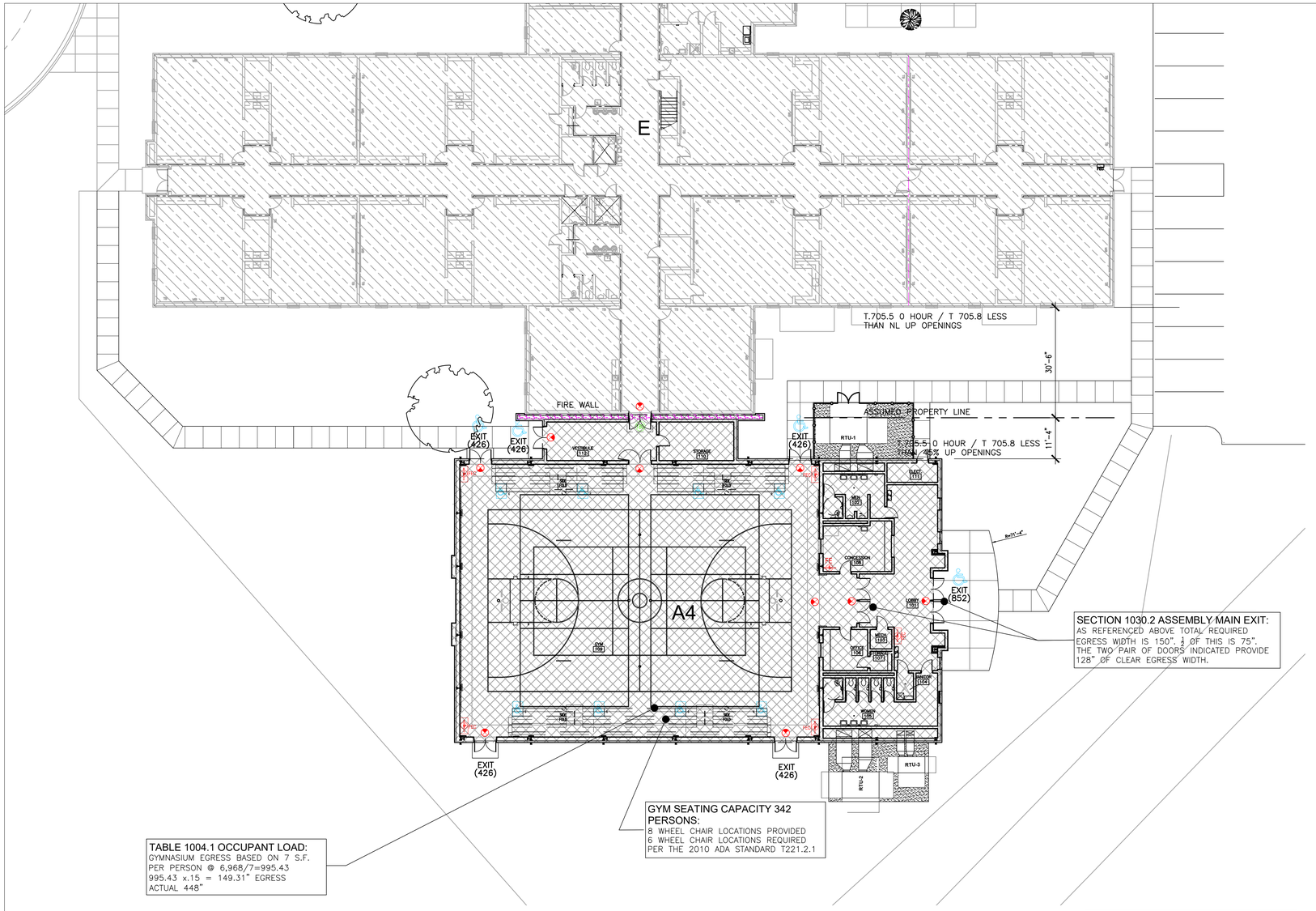
NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
TITLE AND INDEX

STATE OF ALABAMA
No. 7007
RYAN D. VERNON
REGISTERED ARCHITECT

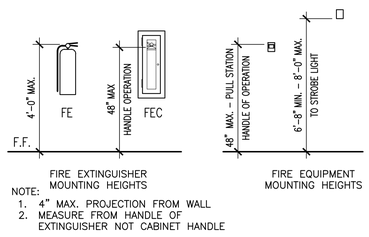
PROJ. MGR.: H. RASCO
DRAWN: ELM
DATE: AUGUST 31, 2026
REVISIONS

JOB NO. 25-70R
SHEET NO:
T1
1 OF 5



1 LIFE SAFETY PLAN

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



FIRE EXTINGUISHER MOUNTING HEIGHTS

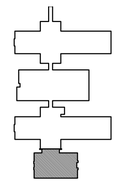
FIRE EQUIPMENT MOUNTING HEIGHTS

NOTE:
1. 4" MAX. PROJECTION FROM WALL
2. MEASURE FROM HANDLE OF EXTINGUISHER NOT CABINET HANDLE

2 FIRE EXTINGUISHER MOUNTING

SCALE: 3/8" = 1'-0"

NOTE:
THIS PROJECT WAS ORIGINALLY REVIEWED AND BID IN APRIL OF 2026. DCM# 2026268. THE ORIGINAL DESIGN CAME IN OVER BUDGET. THIS DEIGN IS A REDUCTION IN SCOPE AND SIZE.



KEY PLAN

SCALE: N.T.S.

2021 IBC BUILDING DATA
FULLY SPRINKLERED

EXISTING OCCUPANCY CLASSIFICATION:	GROUP E	
NEW ADDITION OCCUPANCY CLASSIFICATION:	GROUP A4	
EXISTING TYPE OF CONSTRUCTION:	TYPE IIIB UNSPRINKLERED	
NEW ADDITION TYPE OF CONSTRUCTION:	TYPE IIB SPRINKLERED	
EXISTING BUILDING AREA:	12,483 S.F. ATTIC LEVEL 68,693 S.F. LOWER LEVEL	
NEW ADDITION AREA:	11,220 S.F.	
TABLE 504.4 ALLOWABLE NUMBER OF STORIES:	ALLOWABLE STORIES: 3	ACTUAL STORIES: 1
TABLE 506.2 ALLOWABLE AREA:	AREA FACTOR: S1	38,000 S.F.

TABLE 601 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS:	CONSTRUCTION TYPE:	IIB
	STRUCTURAL FRAME:	0
	BEARING WALLS:	
	EXTERIOR:	0
	INTERIOR:	0
	NONBEARING WALLS:	
	EXTERIOR:	SEE 705.5
	INTERIOR:	0
	FLOOR CONSTRUCTION:	0
	ROOF CONSTRUCTION:	0
TABLE 705.5 FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS:	OCCUPANCY:	GROUP E
	SEPARATION DISTANCE:	< 5' 1 ≥ 5'< 10' 1 ≥ 10'< 30' 0 ≥ 30' 0
TABLE 1020.2 CORRIDOR FIRE-RESISTANCE RATING PARTITIONS AND OPENING PROTECTIVES	GROUP A4 FULLY SPRINKLERED	0

WALL TYPE LEGEND

1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1- 1 HR WALL
2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2- 2 HR WALL
3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3- 3 HR WALL

LIFE SAFETY NOTES

FIRE EXTINGUISHER AND CABINET
(PROVIDE FIRE RATED CABINETS IN RATED WALLS.)

FE — FIRE EXTINGUISHER
FEC — K-TYPE FIRE EXTINGUISHER
ILLUMINATED FACE
DIRECTION
EXIT SIGN

ACCESSIBLE
EXIT (426) — EXIT CAPACITY

EXTEND AND KEY ALL RATED WALLS TO SHAFT WALL SYSTEM, AND/OR BOTTOM OF ROOF ASSEMBLY

STENCIL LABEL ALL RATED WALLS & DRAFT STOPS ABOVE CEILING EACH SIDE @ 20'-0" O.C. MAX.

ALL RATED DOORS AND FRAMES TO BE LABELED WITH EMBOSSED LABELS INDICATING RATING IN MINUTES

PROVIDE FOAM FILL INSULATION AS SPECIFIED IN ALL WALLS BETWEEN TOILETS AND CLASSROOMS.

HE - HORIZONTAL EXIT	XHE - EXISTING HORIZONTAL EXIT
FB - FIRE BARRIER	XFB - EXISTING FIRE BARRIER
FP - FIRE PARTITION	XFP - EXISTING FIRE PARTITION
FW - FIRE WALL	XFW - EXISTING FIRE WALL

DOOR/WINDOW RATING LEGEND

20 — 20 MINUTE DOOR AND FRAME
45 — 45 MINUTE DOOR AND FRAME
60 — 60 MINUTE DOOR AND FRAME
180 — 180 MINUTE DOOR AND FRAME

IFC SECTION 510 RADIO TRANSPONDER:
AN ALLOWANCE HAS BEEN PROVIDE FOR TESTING AND PROVISION OF THE EMERGENCY TRANSPONDER SYSTEM AS REQUIRED. SEE ALLOWANCES SECTION IN THE SPECIFICATIONS.

OCCUPANCY USE LEGEND

A4 — GROUP A4
E — GROUP E

CHAPTER 29 - PLUMBING SYSTEMS

OCCUPANCY		WATERCLOSETS				LAVATORIES				DRINKING FOUNTAINS		SERVICE SINKS
USE	LOAD	RATIO	MALE	RATIO	FEMALE	RATIO	MALE	RATIO	FEMALE	RATIO	ALL	ALL
A4	342	1/75 FIRST 1,500 1/120 REMAINDER EXCEEDING 1,500	2.28	1/40 FIRST 1,520 1/60 REMAINDER EXCEEDING 1,520.	4.28	1/200	.86	1/150	1.14	1/1000	.34	1
B	2.56	1/25 FIRST 50 1/50 REMAINDER EXCEEDING 50.	.05	1/25 FIRST 50 1/50 REMAINDER EXCEEDING 50.	.05	1/40 FIRST 80 1/80 EXCEED 80.	.03	1/40 FIRST 80 1/80 EXCEED 80.	.03	1/100	.03	
S1,S2	1.33	1/100	.01	1/100	.01	1/100	.01	1/100	.01	1/1000	0	
REQUIRED TOTALS			2.34		4.34		.90		1.18		.37	1
PROVIDED TOTALS			3		5		3		3		4	1

LATHAN ▪ McKEE ARCHITECTS

NEW GYMNASIUM FOR
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142 SCHOOL STREET, OAKMAN, ALABAMA 35579
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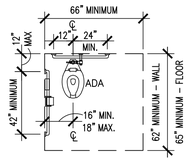
SHEET TITLE:
LIFE SAFETY PLAN

STATE OF ALABAMA
No. 7007
RYAN D. VERNON
REGISTERED ARCHITECT

PROJ. MGR.: H. RASCO
DRAWN: ELM
DATE: AUGUST 31, 2026
REVISIONS

JOB NO. 25-70R
SHEET NO:
LS1.1
2 OF 5

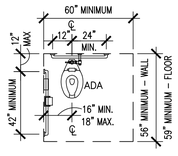
0 1" 2"



WATER CLOSET WITH SOLID PARTITIONS TO THE FLOOR (EX: CMU)

WALL MOUNTED:
66" WIDE BY 62" DEEP

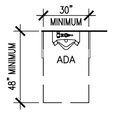
FLOOR MOUNTED:
66" WIDE BY 65" DEEP



WATER CLOSET AT STALL PARTITIONS (12" HIGH TOE KICK)

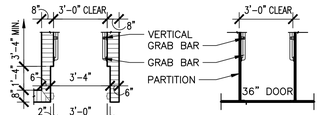
WALL MOUNTED:
60" WIDE BY 56" DEEP

FLOOR MOUNTED:
60" WIDE BY 59" DEEP



WALL MOUNTED URINAL

30" WIDE BY 48" DEEP
CLEAR FLOOR SPACE

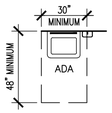


AMBULATORY STALL (CMU)

NOTE:
WHEN THE COMBINED TOTAL OF WATER CLOSETS AND URINALS IN ANY GROUP TOILET IS GREATER THAN 6, AT LEAST 1 AMBULATORY STALL SHALL BE PROVIDED IN ADDITION TO THE WHEELCHAIR ACCESSIBLE STALL.

AMBULATORY STALL (PARTITION)

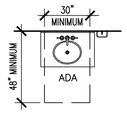
NOTE:
WHEN THE COMBINED TOTAL OF WATER CLOSETS AND URINALS IN ANY GROUP TOILET IS GREATER THAN 6, AT LEAST 1 AMBULATORY STALL SHALL BE PROVIDED IN ADDITION TO THE WHEELCHAIR ACCESSIBLE STALL.



WALL MOUNTED SINK

30" WIDE BY 48" DEEP

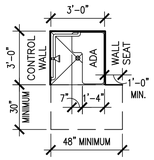
DO NOT PLACE SEMI-RECESSED OR WALL MOUNTED TRASH RECEPTACLES WITHIN CLEAR FLOOR SPACE



COUNTERTOP SINK

30" WIDE BY 48" DEEP

DO NOT PLACE SEMI-RECESSED OR WALL MOUNTED TRASH RECEPTACLES WITHIN CLEAR FLOOR SPACE

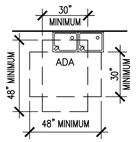


ADA SHOWER STALL

INSIDE STALL:
36" BY 36" FROM THE FACE OF WALL FINISH – VERIFY TILE THICKNESS PRIOR TO INSTALLATION

FLOOR SPACE:
30" WIDE BY 48" DEEP

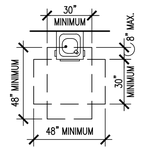
12" TRANSFER TO SEAT SIDE



WALL MOUNTED WATER COOLER

30" WIDE BY 48" DEEP

FRONT OR SIDE APPROACH



FREESTANDING WATER COOLER

30" WIDE BY 48" DEEP

FRONT OR SIDE APPROACH

GENERAL ACCESSIBILITY NOTES

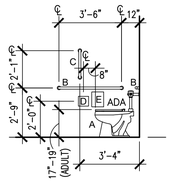
1. IT IS THE INTENT FOR THE COMPLETED PROJECT TO CONFORM TO CHAPTER 11 OF THE APPLICABLE INTERNATIONAL BUILDING CODE, 2009 ANSI A117.1 AND THE AMERICANS WITH DISABILITIES ACT – ACCESSIBILITY GUIDELINES ADAAG – 2010 EDITION. IF THE OWNER OR ANY OF ITS REPRESENTATIVES DIRECTS THE CONTRACTOR TO INSTALL PRODUCTS IN LOCATIONS OF MANNERS THAT CONFLICT WITH THE REQUIREMENTS OF THIS SHEET, OTHER DOCUMENTS, OR CITED ACCESSIBILITY CODES OR PUBLICATIONS, THE CONTRACTOR SHALL NOTIFY THE OWNER AND ARCHITECT IN WRITING BEFORE COMPLYING WITH SUCH DIRECTIONS.
2. THE DIAGRAMS ILLUSTRATE THE SPECIFIC REQUIREMENTS OF THE ACCESSIBILITY REGULATIONS AND ARE INTENDED ONLY AS AN AID FOR BUILDING DESIGN AND CONSTRUCTION.
3. THIS SHEET IS A STANDARD DRAWING THAT CONTAINS INFORMATION THAT MAY NOT BE APPLICABLE TO THE PROJECT.
4. THE PURPOSE OF THIS SHEET IS TO SHOW DIAGRAMMATICAL INSTALLATION DIMENSIONS THAT MAY NOT BE SHOWN ELSEWHERE IN THE DRAWINGS. WHERE DIMENSIONS ELSEWHERE IN THIS DRAWING CONFLICT WITH DIMENSIONS ON THIS SHEET, THE CONTRACTOR SHALL CONTACT THE ARCHITECT.
5. ALL DIMENSIONS THAT ARE MEASURED FROM A WALL SURFACE OR A FLOOR SURFACE ARE MEASURED FROM FINISHED SURFACES UNLESS OTHERWISE NOTED.
6. ALL AUDIBLE AND VISUAL ALARMS AND OTHER NOTIFICATION DEVICES FOR THE FIRE ALARM SYSTEM SHALL BE DESIGNED AND INSTALLED PER NFPA 72.

PLUMBING ACCESSIBILITY NOTES

1. ALL ACCESSIBLE TOILET COMPARTMENT AND AMBULATORY TOILET COMPARTMENT DOORS SHALL BE EQUIPPED WITH A DOOR THAT HAS AN AUTOMATIC CLOSING DEVICE. THESE DOORS SHALL HAVE A CLEAR, UNOBSTRUCTED OPENING WIDTH OF 32" WHEN LOCATED AT THE END OR 34" WHEN LOCATED AT THE SIDE WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION.
2. WHERE THE COMBINED TOTAL OF WATER CLOSET COMPARTMENTS AND URINALS PROVIDED IN A TOILET ROOM IS SIX OR MORE, AT LEAST ONE AMBULATORY ACCESSIBLE WATER CLOSET COMPARTMENT SHALL BE PROVIDED IN ADDITION TO THE WHEELCHAIR ACCESSIBLE COMPARTMENT.
3. CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.
4. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN A 5 POUND FORCE.
5. FLUSH VALVE CONTROLS SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREAS. CONTROLS FOR FLUSH VALVES FOR BOTH TOILETS AND URINALS SHALL BE MOUNTED NO MORE THAN 44" ABOVE THE FLOOR.
6. WATER CONTROLS WITH SELF-CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.
7. THE STRUCTURAL STRENGTH OF FASTENERS AND MOUNTING DEVICES FOR GRAB BARS, TUBS, SHOWER SEATS, AND DRESSING ROOM BENCHES SHALL BE DESIGNED TO RESIST A SINGLE CONCENTRATED LOAD OF 250 POUNDS IN ANY DIRECTION AT ANY POINT.
8. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.
9. GRAB BARS AND ANY ADJACENT WALL OR SURFACE SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS. EDGES SHALL HAVE A MINIMUM RADIUS OF ⅛".

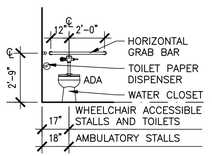
MINIMUM CLEAR FIXTURE AREAS

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

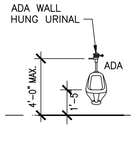


WATER CLOSET (SIDE ELEVATION)

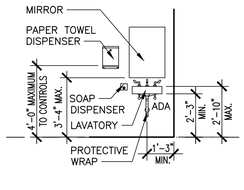
A: ADA WATER CLOSET
B: HORIZONTAL GRAB BAR
C: VERTICAL GRAB BAR
D: TOILET PAPER HOLDER
E: SANITARY NAPKIN DISPOSAL



WATER CLOSET (FRONT ELEVATION)

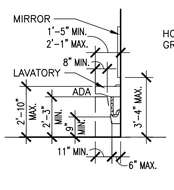


WALL HUNG URINAL



WALL HUNG LAVATORY (FRONT ELEVATION)

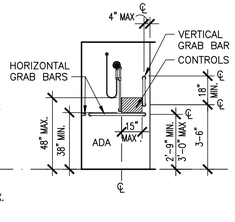
NOTE:
HOT WATER AND DRAINPIPES THAT ARE ACCESSIBLE UNDER LAVATORIES SHALL BE INSULATED OR COVERED. NO SHARP OR ABRASIVE SURFACES SHALL BE PERMISSIBLE.



WALL HUNG LAVATORY (SIDE ELEVATION)

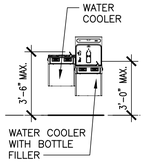
REACH TO FAUCET:
44" MIN. – 48" MAX

MIRROR:
40" MAX TO THE REFLECTIVE SURFACE OF THE MIRROR

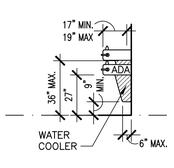


ADA SHOWER STALL

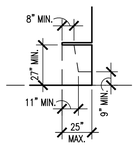
NOTE:
CONTROLS ARE REQUIRED TO BE LOCATED ON CONTROL WALL. THE HORIZONTAL PLACEMENT MUST BE WITHIN 15" OF THE CENTERLINE OF THE SEAT LOCATED ON THE OPPOSING WALL.



WALL MOUNTED WATER COOLER AND BOTTLE FILLER



WALL MOUNTED WATER COOLER



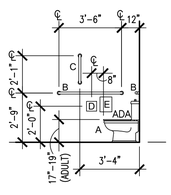
KNEE CLEARANCE

ADA COMPLIANT DOOR AND FRAME

NOTE:
1. EXIT DOOR OPENING 90 DEGREES MIN.
2. DOOR CLOSER 70 DEGREE MIN.
3. A 60" LEVEL AREA MUST BE PROVIDE ON BOTH SIDES OF THE DOOR.
4. HARDWARE SHALL BE CENTERED BETWEEN 30"–44"
5. THRESHOLD/TRANSITION 1/4" MAX HIGH.

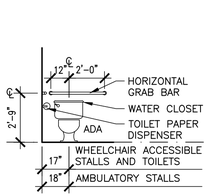
ADA ACCESSIBLE PLUMBING HEIGHTS FOR SERVING CHILDREN

	AGES 3–4	AGES 5–8	AGES 9–12
WATER CLOSET CENTERLINE	12"	12" TO 15"	15" TO 18"
TOILET SEAT HEIGHT	11" TO 12"	12" TO 15"	15" TO 17"
GRAB BAR HEIGHT	18" TO 20"	20" TO 25"	25" TO 27"
DISPENSER HEIGHT	14"	14" TO 17"	17" TO 19"

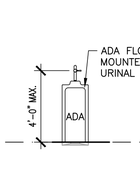


WATER CLOSET (SIDE ELEVATION)

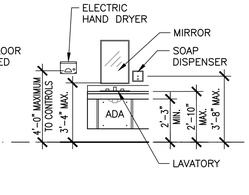
A: ADA WATER CLOSET
B: HORIZONTAL GRAB BAR
C: VERTICAL GRAB BAR
D: TOILET PAPER HOLDER
E: SANITARY NAPKIN DISPOSAL



WATER CLOSET (FRONT ELEVATION)

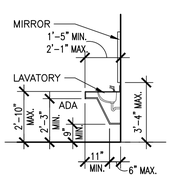


FLOOR MOUNTED URINAL



COUNTERTOP LAVATORY (FRONT ELEVATION)

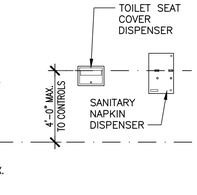
NOTE:
HOT WATER AND DRAINPIPES THAT ARE ACCESSIBLE UNDER LAVATORIES SHALL BE INSULATED OR COVERED. NO SHARP OR ABRASIVE SURFACES SHALL BE PERMISSIBLE.



COUNTERTOP LAVATORY (SIDE ELEVATION)

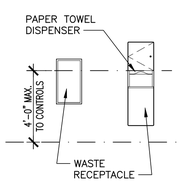
REACH TO FAUCET:
44" MIN. – 48" MAX

MIRROR:
40" MAX TO THE REFLECTIVE SURFACE OF THE MIRROR

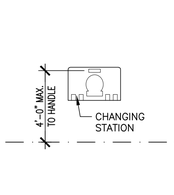


DISPENSERS

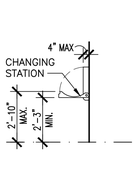
48" MAX TO HANDLE OF OPERATION



WASTE RECEPTACLES



CHANGING STATION (FRONT ELEVATION)



CHANGING STATION (SIDE ELEVATION)

GENERAL NOTES

SEE ARCHITECTURAL FINISH PLANS AND SPECIFICATIONS FOR AREAS REQUIRING THICKSET OR THINSET CERAMIC TILE INSTALLATION. COORDINATE WITH SUBCONTRACTOR AND DROP CONCRETE FLOOR SLAB IN SUCH AREAS AS REQUIRED AND RECOMMENDED BY THE TILE MANUFACTURER AND THE "TILE COUNCIL OF AMERICA." PROVIDE SLOPE FOR POSITIVE DRAINAGE IN AREAS WITH FLOOR DRAINAGE SYSTEM.

EXTEND & KEY RATED WALLS TO BOTTOM OF ROOF DECK - SEE LIFE SAFETY DRAWINGS FOR RATED WALL LOCATIONS.

COORDINATE W/ ELECTRICAL & MECHANICAL AND PROVIDE CONCRETE EQUIPMENT PAD AS REQUIRED

SEE ELEVATIONS AND ROOF PLAN FOR DOWNSPOUT LOCATIONS

SEE CIVIL DRAWINGS FOR CONTINUATION OF SIDEWALKS

ALL PLAN DIMENSIONS ARE TO FACE OF CMU AND TO OUTSIDE OF BRICK , STONE AND TO FACE OF GYP. BD. UNLESS NOTED OTHERWISE

WINDOWS ARE DIMENSIONED TO THE CENTER LINE

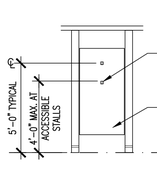
SLOPE ALL SIDEWALKS AWAY FROM THE BUILDING

ALL DOWNSPOUTS INTERSECTING CONCRETE PADS AND/OR WALKS SHALL BE PROVIDED WITH BOOTS AND 4" DIAMETER LEADER PIPING EXTENDED AND TIED INTO STORM DRAINAGE SYSTEM

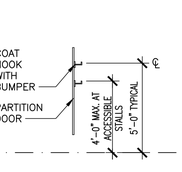
SLOPE FINISH FLOOR TO FLOOR DRAINS. SEE PLUMBING FOR LOCATIONS OF FLOOR DRAINS.

SYMBOLS LEGEND

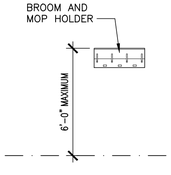
A200	ROOM NUMBER	1C / A	DOOR TYPE / DOOR RATING / HARDWARE SYMBOL
FEC	RECESSED FIRE EXTINGUISHER CABINET WITH EXTINGUISHER	1C / A	DOOR TYPE / DOOR RATING / HARDWARE SYMBOL / DOOR ALTERNATE
FE	SURFACE MOUNT FIRE EXTINGUISHER	A / A1.1	ELEV. MARK / SHEET NUMBER
+	INTERIOR FLOOR ELEVATION	1 / A1.1	WALL SECT. MARK / SHEET NUMBER
F.D.	FLOOR DRAIN	1 / A1.1	BLDG. SECT. MARK / SHEET NUMBER
EWC	ELECTRIC WATER COOLER	5	ELEV. MARK
TB	TACK BOARD	A5.1	SHEET NUMBER / INT. ELEVATION
MB	MARKER BOARD	A	EXTERIOR WINDOW
OPS	OVERHEAD PROJECTOR SCREEN	1	STOREFRONT
PSM	FULLY RECESSED PROJ SCREEN-MOTORIZED	A	INTERIOR WINDOW
CJ	CONTROL JOINT	1	ARCHITECTURAL LOUVER
EJ	EXPANSION JOINT		NEW DOOR AND SWING
	AREA OF CONCRETE		EXISTING DOOR
TBC	TACKBOARD CABINET	GR	GUARDRAILING
SB	SMART BOARD	F	PARTITION TYPE
WA	WIND ANGLE	DB	DANCE BARRES
MR	MIRROR		
10 / A5.1	ELEV. MARK / SHEET NUMBER PHOTO		



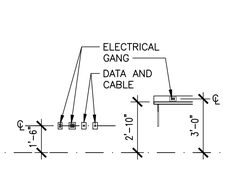
TOILET STALL COAT HOOK (FRONT ELEVATION)



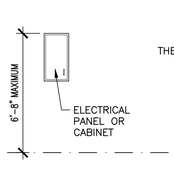
TOILET STALL COAT HOOK (SIDE ELEVATION)



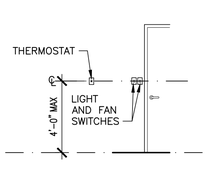
MOP AND BROOM HOLDERS



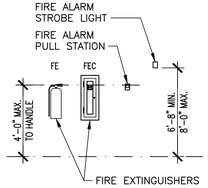
WALL OUTLETS



ELECTRICAL PANELS AND CABINETS



THERMOSTATS AND SWITCHES



FIRE EQUIPMENT

FIRE EXTINGUISHERS, CABINETS, AND PULL STATIONS:
48" MAX TO HANDLE OF OPERATION

STROBE LIGHTS:
6'-8" TO 8'-0" MAX TO BOTTOM OF LIGHT

FIXTURE MOUNTING HEIGHTS

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

LATHAN McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

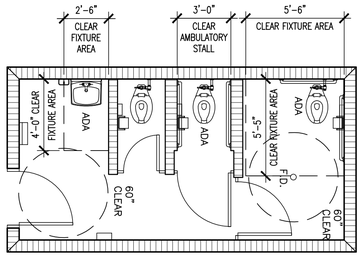
SHEET TITLE:
TYPICAL GENERAL NOTES

STATE OF ALABAMA
No. 7007
RYAN D. VERNON
REGISTERED ARCHITECT

PROJ. MGR.: H. RASCO
DRAWN: HR/ELM
DATE: AUGUST 31, 2026
REVISIONS

JOB NO. 25-70R
SHEET NO:
G1.1
3 OF 5

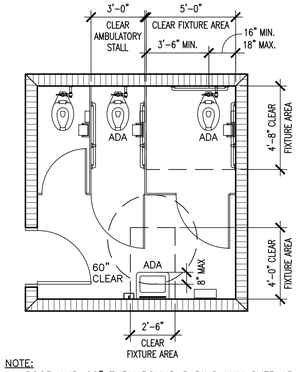
0 1" 2"



NOTE:
1. DOOR AND 60" TURNAROUND RADIUS MAY OVERLAP.
2. DOOR AND CLEAR FIXTURE AREAS MAY NOT OVERLAP.
3. FIXTURE AREA FOR DIFFERENT FIXTURES MAY OVERLAP.
4. AT SOLID PARTITIONS TO THE FLOOR, THE CLEAR FLOOR SPACE FOR WALL MOUNTED TOILETS SHALL BE 62" X 66". THE CLEAR SPACE FOR FLOOR MOUNTED TOILETS SHALL BE 65" X 66" OR SHALL HAVE THE REQUIRED 9" TOE CLEARANCE.
5. IF A GROUP TOILET HAS MORE THAN 6 FIXTURES (TOTAL OF WATER CLOSETS AND URINALS COMBINED), AN AMBULATORY STALL SHALL BE REQUIRED.

GROUP TOILET

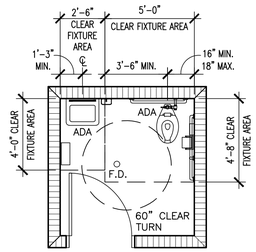
SCALE: 1/4" = 1'-0"



NOTE:
1. DOOR AND 60" TURNAROUND RADIUS MAY OVERLAP.
2. DOOR AND CLEAR FIXTURE AREAS MAY NOT OVERLAP.
3. FIXTURE AREA FOR DIFFERENT FIXTURES MAY OVERLAP.
4. AT STALL PARTITIONS, THE CLEAR FLOOR SPACE FOR WALL MOUNTED TOILETS SHALL BE 56" X 60". THE CLEAR FLOOR SPACE FOR FLOOR MOUNTED TOILETS SHALL BE 59" X 60".
5. IF A GROUP TOILET HAS MORE THAN 6 FIXTURES (TOTAL OF WATER CLOSETS AND URINALS COMBINED), AN AMBULATORY STALL SHALL BE REQUIRED.

GROUP TOILET

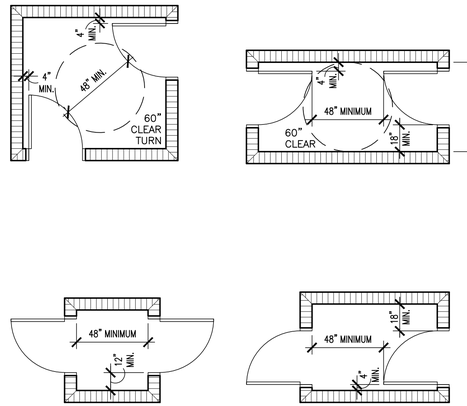
SCALE: 1/4" = 1'-0"



NOTE:
1. DOOR AND 60" TURNAROUND RADIUS MAY OVERLAP.
2. DOOR AND CLEAR FIXTURE AREAS MAY NOT OVERLAP.
3. FIXTURE AREA FOR DIFFERENT FIXTURES MAY OVERLAP.
4. WHERE MULTIPLE SINGLE-USER TOILETS ARE CLUSTERED IN A SINGLE LOCATION, 50% SHALL BE ACCESSIBLE.

SINGLE USER TOILET

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



DOORS IN SERIES

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

GENERAL ACCESSIBILITY NOTES

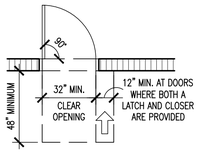
1. IT IS THE INTENT FOR THE COMPLETED PROJECT TO CONFORM TO CHAPTER 11 OF THE APPLICABLE INTERNATIONAL BUILDING CODE, 2009 ANSI A117.1 AND THE AMERICANS WITH DISABILITIES ACT – ACCESSIBILITY GUIDELINES ADAAG – 2010 EDITION. IF THE OWNER OR ANY OF ITS REPRESENTATIVES DIRECTS THE CONTRACTOR TO INSTALL PRODUCTS IN LOCATIONS OF MANNERS THAT CONFLICT WITH THE REQUIREMENTS OF THIS SHEET, OTHER DOCUMENTS, OR CITED ACCESSIBILITY CODES OR PUBLICATIONS, THE CONTRACTOR SHALL NOTIFY THE OWNER AND ARCHITECT IN WRITING BEFORE COMPLYING WITH SUCH DIRECTIONS.
2. THE DIAGRAMS ILLUSTRATE THE SPECIFIC REQUIREMENTS OF THE ACCESSIBILITY REGULATIONS AND ARE INTENDED ONLY AS AN AID FOR BUILDING DESIGN AND CONSTRUCTION.
3. THIS SHEET IS A STANDARD DRAWING THAT CONTAINS INFORMATION THAT MAY NOT BE APPLICABLE TO THE PROJECT.
4. THE PURPOSE OF THIS SHEET IS TO SHOW DIAGRAMMATICAL INSTALLATION DIMENSIONS THAT MAY NOT BE SHOWN ELSEWHERE IN THE DRAWINGS. WHERE DIMENSIONS ELSEWHERE IN THIS DRAWING CONFLICT WITH DIMENSIONS ON THIS SHEET, THE CONTRACTOR SHALL CONTACT THE ARCHITECT.
5. ALL DIMENSIONS THAT ARE MEASURED FROM A WALL SURFACE OR A FLOOR SURFACE ARE MEASURED FROM FINISHED SURFACES UNLESS OTHERWISE NOTED.
6. ALL AUDIBLE AND VISUAL ALARMS AND OTHER NOTIFICATION DEVICES FOR THE FIRE ALARM SYSTEM SHALL BE DESIGNED AND INSTALLED PER NFPA 72.

PLUMBING ACCESSIBILITY NOTES

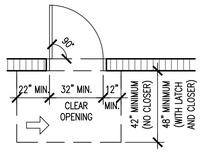
1. ALL ACCESSIBLE TOILET COMPARTMENT AND AMBULATORY TOILET COMPARTMENT DOORS SHALL BE EQUIPPED WITH A DOOR THAT HAS AN AUTOMATIC CLOSING DEVICE. THESE DOORS SHALL HAVE A CLEAR, UNOBSTRUCTED OPENING WIDTH OF 32" WHEN LOCATED AT THE END OR 34" WHEN LOCATED AT THE SIDE WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION.
2. WHERE THE COMBINED TOTAL OF WATER CLOSET COMPARTMENTS AND URINALS PROVIDED IN A TOILET ROOM IS SIX OR MORE, AT LEAST ONE AMBULATORY ACCESSIBLE WATER CLOSET COMPARTMENT SHALL BE PROVIDED IN ADDITION TO THE WHEELCHAIR ACCESSIBLE COMPARTMENT.
3. CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.
4. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN A 5 POUND FORCE.
5. FLUSH VALVE CONTROLS SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREAS. CONTROLS FOR FLUSH VALVES FOR BOTH TOILETS AND URINALS SHALL BE MOUNTED NO MORE THAN 44" ABOVE THE FLOOR.
6. WATER CONTROLS WITH SELF-CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.
7. THE STRUCTURAL STRENGTH OF FASTENERS AND MOUNTING DEVICES FOR GRAB BARS, TUBS, SHOWER SEATS, AND DRESSING ROOM BENCHES SHALL BE DESIGNED TO RESIST A SINGLE CONCENTRATED LOAD OF 250 POUNDS IN ANY DIRECTION AT ANY POINT.
8. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.
9. GRAB BARS AND ANY ADJACENT WALL OR SURFACE SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS. EDGES SHALL HAVE A MINIMUM RADIUS OF ⅛".

DOOR ACCESSIBILITY NOTES

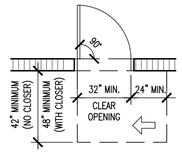
1. ALL EXIT DOORS SHALL OPEN A MINIMUM OF 90 DEGREES. WHEN THE DOOR IS OPEN AT 90 DEGREES, THERE SHALL BE A MINIMUM OF 4" BETWEEN THE FACE OF THE DOOR AND THE WALL.
2. DOORWAYS INCLUDING HINGED DOORS, SLIDING DOORS, AND FOLDING DOORS SHALL HAVE A CLEAR OPENING WIDTH OF 32" MINIMUM MEASURED BETWEEN THE FACE OF THE DOOR AND THE OPPOSITE STOP.
3. EACH SIDE OF A DOOR SHALL HAVE A FLOOR OR LANDING THAT IS 60" MINIMUM. THE FLOOR OR LANDING SHALL NOT BE MORE THAN ½" LOWER THAN THE THRESHOLD OF THE DOORWAY. CHANGES IN LEVEL BETWEEN ¼" AND ½" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN ONE VERTICAL UNIT TO 2 HORIZONTAL UNITS. CHANGES IN LEVEL THAT ARE GREATER THAN ½" SHALL BE ACCOMPLISHED BY MEANS OF A RAMP.
4. DOOR HARDWARE SHALL BE CENTERED BETWEEN 30" TO 44" ABOVE THE FLOOR.
5. IF A DOOR HAS A CLOSER, THEN THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEGREES, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3" FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.
6. THE BOTTOM 10" OF ALL DOORS, EXCEPT AUTOMATIC AND SLIDING DOORS, SHALL HAVE A SMOOTH, UNINTERRUPTED SURFACE. WHEN NARROW FRAME DOORS ARE USED, A 10" HIGH SMOOTH PANEL SHALL BE INSTALLED ON THE PUSH SIDE OF THE DOOR.
7. FOR DOORS AND SIDELIGHTS ADJACENT TO DOORS THAT CONTAIN ONE OR MORE GLAZING PANELS THAT PERMIT VIEWING THROUGH THE PANELS, EITHER THE DOOR OR AN ADJACENT SIDELIGHT SHALL HAVE THE BOTTOM OF AT LEAST ONE PANEL AT A MAXIMUM OF 43" ABOVE THE FLOOR, OR THE LOWEST PART OF ALL PANELS SHALL BE HIGHER THAN 66" ABOVE THE FLOOR.
8. MAXIMUM EFFORT TO OPERATE DOORS SHALL BE 5 POUNDS PER FOOT FOR EXTERIOR AND INTERIOR DOORS. MAXIMUM EFFORT TO OPERATE A FIRE DOOR SHALL BE 15 POUNDS PER FOOT. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE MAXIMUM OPENING FORCE REQUIREMENT.



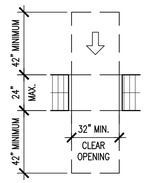
STANDARD FRONT APPROACH – PUSH SIDE



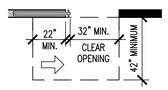
HINGE APPROACH – PUSH SIDE



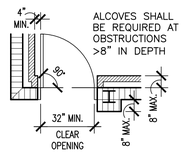
LATCH APPROACH – PUSH SIDE



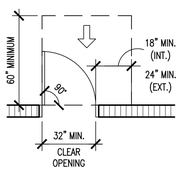
CASED OPENINGS



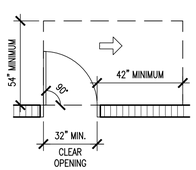
HINGE APPROACH – SLIDING DOORS



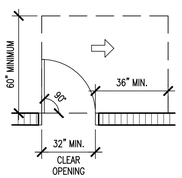
NO ALCOVE REQUIRED



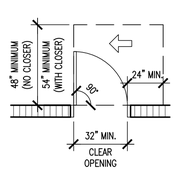
STANDARD FRONT APPROACH – PULL SIDE



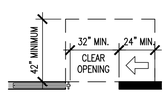
HINGE APPROACH – PULL SIDE



HINGE APPROACH – PULL SIDE



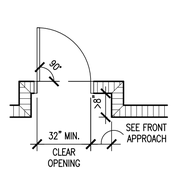
LATCH APPROACH – PULL SIDE



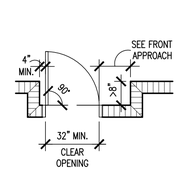
LATCH APPROACH – SLIDING DOORS

DOOR APPROACH CLEARANCES

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



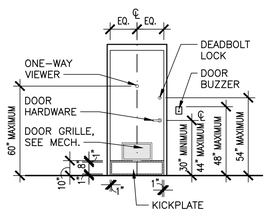
ALCOVE ON PUSH SIDE

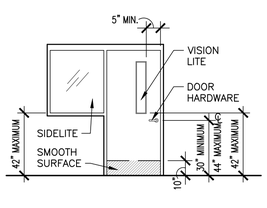


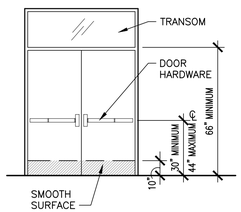
ALCOVE ON PULL SIDE

DOOR AT ALCOVES

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



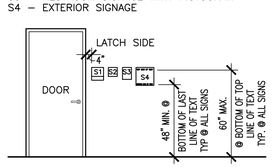




DOOR HEIGHTS

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

SIGNAGE LEGEND:
S1 – OFFICES, CLASSROOMS, INSTRUCTIONAL AREAS SIGNAGE
S2 – OTHER INTERIOR DOOR SIGNAGE
S3 – RESTROOM SIGNAGE WITH PICTOGRAM
S4 – EXTERIOR SIGNAGE

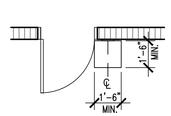


SIGNAGE (ELEVATION)

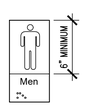
SIGNAGE LEGEND

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

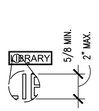
NOTE:
1. TYPICAL SIGNAGE LOCATION AND HEIGHTS SHOWN. SEE SPECIFICATIONS FOR SIGN SIZE AND REQUIREMENTS.
2. ALIGN TOP OF ALL SIGNS AS SHOWN, TYPICAL UNLESS OTHERWISE REQUIRED BY THE AMERICANS WITH DISABILITIES ACT.
3. SEE TORNADO SHELTER PLANS FOR SHELTER SIGNAGE IF APPLICABLE.



SIGNAGE (PLAN VIEW)



PICTOGRAM SIZE



CHARACTER SIZE

SIGNAGE DETAILS

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

SIGNAGE ACCESSIBILITY NOTES

1. SIGNS SHALL BE PROVIDED FOR ALL PERMANENT ROOMS AND SPACES. SIGNS SHALL BE MOUNTED ON THE WALL (NOT DOOR) ADJACENT TO THE LATCH SIDE OF THE DOOR.
2. SIGNS SHALL INCLUDE THE SAME INFORMATION BOTH IN BRAILLE AND WITH RAISED LETTERING THAT FORMS A HIGH CONTRAST WITH THE BACKGROUND OF THE SIGN.
3. SIGNS SHALL NOT BE MADE OF REFLECTIVE MATERIALS SUCH AS BRASS, SILVER, GOLD, GLASS, OR MIRRORED SURFACES UNLESS THERE IS AN ADDITIONAL PROPERLY LOCATED COMPLIANT SIGN.
4. WHERE TACTILE SIGNS ARE PROVIDED AT DOUBLE DOORS WITH ONE INACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF.
5. WHERE TACTILE SIGNS ARE PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAVES, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT-HAND DOOR.
6. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE OF A SINGLE DOOR, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL.

LATHAN McKEE ARCHITECTS

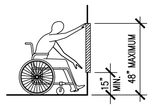
NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
TYPICAL GENERAL NOTES

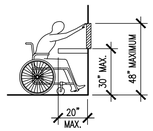
STATE OF ALABAMA
No. 7007
RYAN D. VERNON
REGISTERED ARCHITECT

PROJ. MGR.: H. RASCO
DRAWN: HR/ELM
DATE: AUGUST 31, 2026
REVISIONS

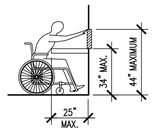
JOB NO. 25-70R
SHEET NO:
G1.2
4 OF 5



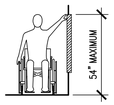
UNOBSTRUCTED FORWARD REACH



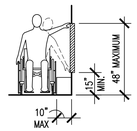
OBSTRUCTED FORWARD REACH



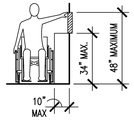
OBSTRUCTED FORWARD REACH



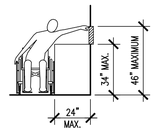
FULLY UNOBSTRUCTED SIDE REACH



UNOBSTRUCTED SIDE REACH



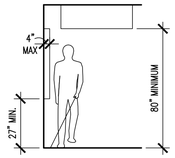
OBSTRUCTED SIDE REACH



OBSTRUCTED SIDE REACH

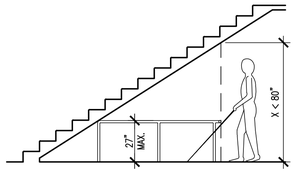
REACH CLEARANCES

SCALE: 1/4" = 1'–0"



LIMITS OF PROTRUDING OBJECTS

NOTE:
STRUCTURAL ELEMENTS, FIXTURES, FURNISHINGS, ETC. SHALL NOT PROTRUDE HORIZONTALLY FROM EITHER SIDE MORE THAN 4" OVER ANY WALKING SURFACE BETWEEN 27–80" EXCEPT AT STAIR HANDRAILS AND DOOR CLOSERS.

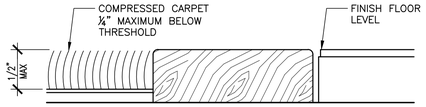


VERTICAL CLEARANCE

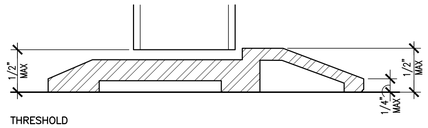
NOTE:
GUARDRAILS OR OTHER BARRIERS SHALL BE PROVIDED WHERE THE VERTICAL CLEARANCE IS LESS THAN 80" HIGH

PROTRUDING OBJECTS

SCALE: 1/4" = 1'–0"



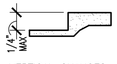
TRANSITION BETWEEN FLOORING TYPES



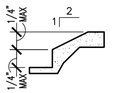
THRESHOLD

LEVEL CHANGES

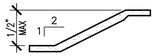
SCALE: 1:1



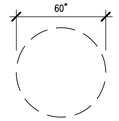
VERTICAL CHANGES



VERTICAL/BEVELED CHANGES

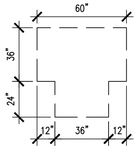


BEVELED CHANGES



60" DIAMETER CLEAR TURNING RADIUS

60" DIAMETER CLEAR TURNING RADIUS REQUIRED IN ALL ADA RESTROOMS

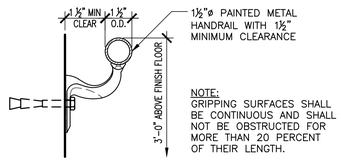


CLEAR T–TURN SPACE

IN LIEU OF 60" TURN AROUND

TURNING CLEARANCES

SCALE: 1/4" = 1'–0"



WALL MOUNTED HANDRAIL

WALL MOUNTED RAILS

SCALE: 3" = 1'–0"

GENERAL ACCESSIBILITY NOTES

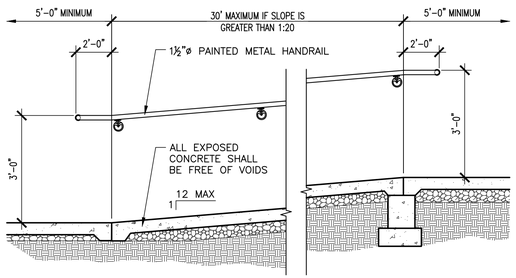
1. IT IS THE INTENT FOR THE COMPLETED PROJECT TO CONFORM TO CHAPTER 11 OF THE APPLICABLE INTERNATIONAL BUILDING CODE, 2009 ANSI A117.1 AND THE AMERICANS WITH DISABILITIES ACT – ACCESSIBILITY GUIDELINES ADAAG – 2010 EDITION. IF THE OWNER OR ANY OF ITS REPRESENTATIVES DIRECTS THE CONTRACTOR TO INSTALL PRODUCTS IN LOCATIONS OF MANNERS THAT CONFLICT WITH THE REQUIREMENTS OF THIS SHEET, OTHER DOCUMENTS, OR CITED ACCESSIBILITY CODES OR PUBLICATIONS, THE CONTRACTOR SHALL NOTIFY THE OWNER AND ARCHITECT IN WRITING BEFORE COMPLYING WITH SUCH DIRECTIONS.
2. THE DIAGRAMS ILLUSTRATE THE SPECIFIC REQUIREMENTS OF THE ACCESSIBILITY REGULATIONS AND ARE INTENDED ONLY AS AN AID FOR BUILDING DESIGN AND CONSTRUCTION.
3. THIS SHEET IS A STANDARD DRAWING THAT CONTAINS INFORMATION THAT MAY NOT BE APPLICABLE TO THE PROJECT.
4. THE PURPOSE OF THIS SHEET IS TO SHOW DIAGRAMMATICAL INSTALLATION DIMENSIONS THAT MAY NOT BE SHOWN ELSEWHERE IN THE DRAWINGS. WHERE DIMENSIONS ELSEWHERE IN THIS DRAWING CONFLICT WITH DIMENSIONS ON THIS SHEET, THE CONTRACTOR SHALL CONTACT THE ARCHITECT.
5. ALL DIMENSIONS THAT ARE MEASURED FROM A WALL SURFACE OR A FLOOR SURFACE ARE MEASURED FROM FINISHED SURFACES UNLESS OTHERWISE NOTED.
6. ALL AUDIBLE AND VISUAL ALARMS AND OTHER NOTIFICATION DEVICES FOR THE FIRE ALARM SYSTEM SHALL BE DESIGNED AND INSTALLED PER NFPA 72.

STAIR AND RAMP ACCESSIBILITY NOTES

1. THE MAXIMUM SLOPE FOR RAMPS SHALL BE 1:12, FOR A MAXIMUM LENGTH OF 30 FEET. PROVIDE A LANDING EQUAL TO THE WIDTH OF THE RAMP. HANDRAILS ARE REQUIRED.
2. LOW SLOPE RAMPS SHALL BE 1:20 FOR ANY DISTANCE, WITH NO REQUIREMENT FOR HANDRAILS.
3. RAMPS SHALL NOT EXCEED A CROSS SLOPE OF 1:48 (¼" PER 12").
4. CHANGES IN LEVEL BETWEEN ¼" AND ½" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN ONE VERTICAL UNIT TO 2 HORIZONTAL UNITS. CHANGES IN LEVEL GREATER THAN ½" SHALL BE ACCOMPLISHED BY MEANS OF A RAMP.
5. THE CLEAR WIDTH OF A RAMP SHALL BE 36" MINIMUM BETWEEN THE HANDRAILS. WHERE RAMPS MAKE 180 DEGREE TURNS, THE CLEAR WIDTH OF THE RAMP SHALL BE 42" MINIMUM AND THE CLEAR WIDTH OF THE LANDING SHALL BE 48" MINIMUM.
6. ALL EXPOSED CONCRETE SHALL BE FREE OF VOIDS.
7. ALL STEPS ON A FLIGHT OF STAIRS SHALL HAVE UNIFORM RISER HEIGHTS AND UNIFORM TREAD DEPTHS. RISERS SHALL BE EQUALLY SPACED AT 6" OR GREATER, NOT TO EXCEED 7". TREADS SHALL BE 11" MINIMUM.
8. OPEN RISERS SHALL NOT BE PERMITTED.
9. NOSINGS SHALL HAVE A RADIUS OF ½" MAXIMUM.
10. NOSINGS THAT PROJECT BEYOND RISERS SHALL CURVE OR BEVEL THE UNDERSIDE OF THE LEADING EDGE. RISERS SHALL SLOPE UNDER THE TREAD AT AN ANGLE OF 30 DEGREES MAXIMUM FROM VERTICAL. THE NOSING SHALL EXTEND 1 ½" MAXIMUM OVER THE TREAD BELOW.
11. HANDRAILS SHALL EXTEND A MINIMUM OF 12" FROM THE LEADING EDGE OF THE HANDRAIL TO THE STAIR NOSING OR RAMP EDGE. HANDRAILS SHALL BE CONTINUOUS AT SWITCHBACK OR DOGLEG STAIRS AND RAMPS.
12. THE TOP OF HANDRAILS SHALL BE 36" ABOVE THE WALKING SURFACE. GUARDRAILS SHALL EXTEND A MINIMUM OF 42" FROM THE WALKING SURFACE.
13. WHERE AN ADDITIONAL HANDRAIL IS PROVIDED FOR CHILDREN, THE TOP THE HANDRAIL SHALL BE 28" MAXIMUM FROM THE WALKING SURFACE, WITH A MINIMUM OF 9" CLEARANCE BETWEEN THE UPPER AND LOWER RAILS TO PREVENT ENTRAPMENT.
14. HANDRAIL GRIPPING SURFACES SHALL BE CONTINUOUS ALONG THEIR LENGTH AND SHALL NOT BE OBSTRUCTED ALONG THEIR TOPS OR SIDES. THE BOTTOMS OF HANDRAIL GRIPPING SURFACES SHALL NOT BE OBSTRUCTED FOR MORE THAN 20 PERCENT OF THEIR LENGTH.
15. THE CLEARANCE BETWEEN HANDRAIL GRIPPING SURFACES AND ADJACENT SURFACES SHALL BE 1 1/2" MINIMUM.
16. AT GUARDRAILS, THE SPACING BETWEEN PICKETS, ALONG WITH THE SPACING BETWEEN THE BOTTOM RAIL AND WALKING SURFACE, SHALL PREVENT A 4" SPHERE TO PASS. EXCEPTION: AT ELEVATED WALKING SURFACES INTENDED FOR ACCESS TO AND USE OF ELECTRICAL/MECHANICAL/PLUMBING SYSTEMS OR EQUIPMENT, GUARDS SHALL NOT HAVE OPENINGS THAT ALLOW A 21" SPHERE TO PASS.

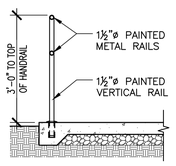
CHILDREN'S REACH RANGES

	AGES 3–4	AGES 5–8	AGES 9–12
HIGH (MAXIMUM)	36"	40"	44"
LOW (MINIMUM)	20"	18"	16"

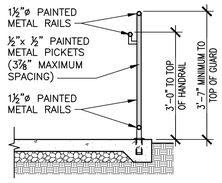


TYPICAL RAMP

SCALE: 1/2" = 1'–0"



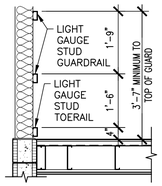
POST–MOUNTED HANDRAIL



POST–MOUNTED GUARDRAIL

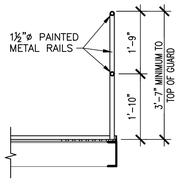
POST MOUNTED RAILS

SCALE: 1/2" = 1'–0"



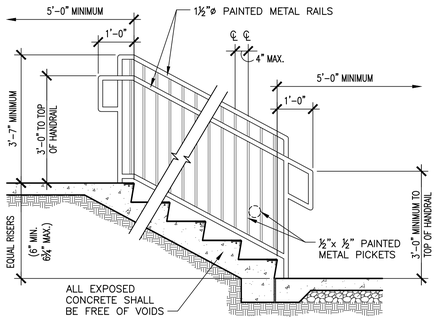
GUARDRAIL (AT ATTICS)

NOTE:
GUARDS MUST BE SPACED TO PREVENT THE PASSAGE OF A 21" SPHERE.



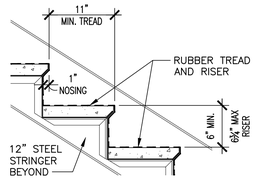
GUARDRAIL (AT EQUIPMENT PLATFORMS)

NOTE:
RAILS MUST BE SPACED TO PREVENT THE PASSAGE OF A 21" SPHERE.

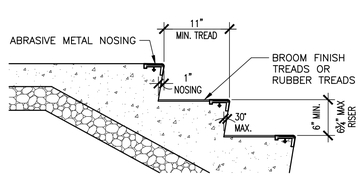


TYPICAL STAIR

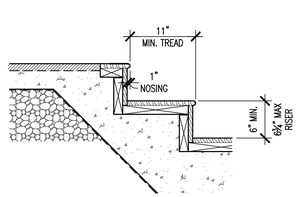
SCALE: 1/2" = 1'–0"



STAIR PAN



CAST–IN–PLACE



WOOD TRIM

TREADS

SCALE: 1" = 1'–0"

NOTE:
ALL EXPOSED CONCRETE SHALL BE FREE OF VOIDS

LATHAN McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
TYPICAL GENERAL NOTES

STATE OF ALABAMA
No. 7007
RYAN D. VERNON
REGISTERED ARCHITECT

PROJ. MGR.: H. RASCO
DRAWN: HR/ELM
DATE: AUGUST 31, 2026
REVISIONS

JOB NO. 25-70R
SHEET NO:
G1.3
5 OF 5

0 1" 2"

GENERAL PROJECT NOTES:

1. TTL, INC. SHALL NOT HAVE AUTHORITY OVER THE SITE OR BUILDING CONTRACTOR'S WORK OR RESPONSIBILITIES. TTL IS NOT RESPONSIBLE FOR SITE SAFETY PROCEDURES OR METHODS OF CONSTRUCTION.
2. THE LOCATIONS OF THE EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AS PROVIDED BY UTILITY OWNERS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES "POTHOLING" THEM BEFORE COMMENCING WORK. THE CONTRACTOR SHALL CONTACT THE ALABAMA ONE-CALL, LOCAL WATER AUTHORITIES, AND UTILITY PROVIDERS, ETC. FOR UTILITY LOCATES. IN THE EVENT OF ANY DAMAGE TO IN-PLACE UTILITIES, THEY SHALL BE REPAIRED AND REPLACED TO THE SATISFACTION OF THE ENGINEER AND THE UTILITY OWNER AT THE CONTRACTOR'S EXPENSE.
3. BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY THE OWNER AND PERFORMED BY ARRINGTON ENGINEERING. TOPOGRAPHIC INFORMATION WAS PERFORMED VIA GROUND RUN FORMAT DATED NOVEMBER 12, 2025.
4. THE CONTRACTOR SHALL FIELD VERIFY SITE BOUNDARY AND EXISTING TOPOGRAPHY PRIOR TO CONSTRUCTION. NOTIFY TTL OF ANY DISCREPANCIES.
5. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND PAY ALL PERMIT FEES PRIOR TO CONSTRUCTION.
6. ANY EXISTING PROPERTY CORNERS (I.E.- IRON PIPES,CAPPED PIPES, CAPPED MONUMENTS, ETC), DISPLACED OR DAMAGED DURING CONSTRUCTION SHALL BE RESET. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND SHALL BE A FINAL PUNCH LIST/CLOSEOUT ITEM.
7. THE CONTRACTOR MUST MAINTAIN ACCESSIBLE DRIVES AND PUBLIC ROADWAYS. ANY ADDITIONAL STONE, GRADING, INSTALLATION, ETC. TO MAKE SIDEWALKS, DRIVES, AND ROADWAYS ACCESSIBLE DURING CONSTRUCTION SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE GIVEN.
8. THE CONTRACTOR SHALL KEEP THE PROJECT RIGHTS-OF-WAY CLEAN FROM TRASH AND DEBRIS. PLACEMENT/DISCARDING OF TRASH AND REFUSE IN UTILITY TRENCHES AND/OR OTHER EXCAVATIONS ASSOCIATED WITH THE PROJECT SHALL BE PROHIBITED. THE CONTRACTOR SHALL PROVIDE TRASH RECEPTACLES FOR WORKER USE. THE ROADWAYS AND SIDEWALKS SHALL BE SWEPT AND WASHED DOWN TO LIMIT THE TRACKING OF DIRT FROM THE PROJECT ONTO PUBLIC RIGHTS-OF-WAY DAILY. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE GIVEN.
9. CONFLICTS MAY ARISE BETWEEN EXISTING AND PROPOSED UNDERGROUND FACILITIES. CROSSINGS OF REQUIRED AND EXISTING GRAVITY UTILITIES SHALL BE EXCAVATED AND ELEVATIONS VERIFIED AT THE BEGINNING OF THE PROJECT BEFORE ANY UTILITIES ARE INSTALLED TO MAKE SURE THERE ARE NO CONFLICTS. WHEN THESE CONFLICTS ARE IDENTIFIED, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE OWNER'S REPRESENTATIVE. ADJUSTMENTS AS SPECIFIED BY THE OWNER'S REPRESENTATIVE SHALL BE MADE IN THE PROPOSED AND/OR EXISTING FACILITIES. IF CONFLICTS OCCUR WHILE INSTALLING GRAVITY UTILITIES AND THE CONTRACTOR DID NOT IDENTIFY ELEVATIONS AT CROSSINGS IN ADVANCE, THEN THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE CORRECTIVE ACTION, INCLUDING BUT NOT LIMITED TO, REMOVING AND INSTALLING THE MAIN AND/OR STRUCTURES. WITH THE NUMEROUS EXISTING UTILITIES ON-SITE, IT IS IMPERATIVE THAT THESE BE VERIFIED BEFORE INSTALLATION OF PROPOSED WORK.
10. AT THE END OF THE PROJECT THE CONTRACTOR SHALL POWER WASH ALL CONCRETE SURFACES (I.E., CURB AND GUTTERS, SIDEWALK, DRIVES. STORM SEWER BOXES, BRICK PAVERS, EXISTING BUILDING BRICK, ETC.), SPECIFICALLY EXISTING CONCRETE ABUTTING REQUIRED CONCRETE SURFACES WITHIN THE PROJECT RIGHT-OF-WAY TO ELIMINATE STAINING FROM EARTHEN MATERIAL. CONSTRUCTION EQUIPMENT, OILS, PAINTS, ETC. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE GIVEN.
11. EXISTING LANDSCAPED AREAS PARALLEL TO THE PROJECT IMPACTED/DAMAGED DURING CONSTRUCTION SHALL BE RETURNED TO THEIR ORIGINAL CONDITION. THERE SHALL BE NO ADDITIONAL COMPENSATION FOR THIS WORK.
12. ALL ACCESSIBLE RAMPS AND SIDEWALKS SHALL BE ADA COMPLIANT.
13. ALL TEMPORARY STONE FOR ROADWAY, SIDEWALK, DRIVES, ETC. SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. NO TEMPORARY STONE SHALL BE WASTED ON THE SITE SPECIFICALLY IN THE FINAL SUBGRADE LAYER AND TOPSOIL. EXCESSIVE STONE WILL INHIBIT THE GROWTH OF THE LANDSCAPE. ALL STONE SHALL BE REMOVED FROM AREAS TO RECEIVE TOPSOIL, NO EXCEPTIONS.
14. THE CONTRACTOR SHALL INSTALL TEMPORARY ASPHALT PATCHING WITHIN 24 HOURS AFTER THE COMPLETED INSTALLATION OF UTILITY CROSSINGS ON ROADWAYS OPEN TO TRAFFIC. IF THE ROADWAY IS CLOSED TO LOCAL TRAFFIC THEN ALL ASPHALT CUT LOCATIONS SHALL BE PATCHED BEFORE THE ROADWAY IS REOPENED. THE CONTRACTOR SHALL NOT BE ALLOWED TO INSTALL ALL UTILITIES AND THEN TEMPORARY ASPHALT PATCH ALL AT ONE TIME. TEMPORARY ASPHALT PATCHING MUST OCCUR PERIODICALLY PHASED AS REFERENCED ABOVE.
15. WHEN TEMPORARY ASPHALT PATCHING OCCURS THE MIX SHALL BE HOT MIXED AS SPECIFIED IN THE PLANS. ASPHALT COLD MIXES SHALL NOT BE ACCEPTED. POORLY PATCHED CROSSINGS DISPLAYING NONUNIFORM, UNSMOOTH FINISHES SHALL NOT BE ACCEPTED AND SHALL BE REMOVED AT ONCE. THE REPATCH OF THE AREA SHALL BE PAID FOR AT THE CONTRACTOR'S EXPENSE.
16. THE CONTRACTOR SHALL NOTE EXISTING STORM DRAIN AND STORM DRAIN STRUCTURES TO BE RETAINED AS PART OF THIS PROJECT. THIS EXISTING INFRASTRUCTURE SHALL BE USED TO DRAIN THE PROJECT DURING PHASES OF CONSTRUCTION. PROPER EROSION CONTROL METHODS SHALL BE USED TO PROTECT THIS INFRASTRUCTURE AT ALL TIMES.
17. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH WALKER COUNTY SCHOOL BOARD, OAKMAN MIDDLE SCHOOL, PRIVATE UTILITY COMPANIES, AND ANY OTHER OWNER OR GOVERNING AGENCY WITH EXISTING INFRASTRUCTURE OR JURISDICTION IN THIS AREA.

DEMOLITION NOTES:

1. THE PROJECT DEMOLITION, CLEARING AND GRUBBING GENERAL AREAS HAVE BEEN REFLECTED ON THE DEMOLITION PLAN. THE AREA IS GENERAL IN NATURE AND IS INTENDED TO GIVE THE CONTRACTOR AN APPROXIMATE AREA OF DEMOLITION. REGARDLESS OF THE AREA SHOWN, THE CONTRACTOR SHALL DEMOLISH, CLEAN AND GRUB ALL AREAS AND EXISTING INFRASTRUCTURE (ABOVE AND BELOW GROUND) NECESSARY TO COMPLETE ALL FINAL IMPROVEMENTS AS SHOWN ON THE CIVIL, ARCHITECTURAL, LANDSCAPE/IRRIGATION, ETC. CONSTRUCTION PLANS.
2. ALL AREAS DISTURBED BY THE CONTRACTOR; INCLUDING BUT NOT LIMITED TO ACTUAL IMPROVED AREAS, LAYDOWN AREAS, AREAS DISTURBED BY MOVING EQUIPMENT SHALL BE IMPROVED PER THE REQUIREMENTS OF THE PLANS, NO EXCEPTIONS.
3. ANY PERMANENT AND/OR CONSTRUCTION FENCING (EXISTING OR REQUIRED PER THE PLANS) REQUIRED TO BE REMOVED/RESET FOR INSTALLATION OF SITE, UTILITY, BUILDING, ETC. IMPROVEMENTS SHALL BE DONE SO AT NO ADDITIONAL COST TO THE PROJECT AND IS CONSIDERED INCIDENTAL. THE PLANS HAVE BEEN NOTED WITH GENERAL AREAS THIS IS TO OCCUR IN. THE REMOVAL AND/OR REPLACEMENT LIMITS WILL BE DETERMINED IN THE FIELD.
4. CONTRACTOR SHALL COORDINATE WITH THE OWNER PRIOR TO ANY DEMOLITION REGARDING ITEMS TO BE SALVAGED, RECYCLED, AND/OR REUSED. CONTRACTOR SHALL REMOVE ITEMS TO BE SALVAGED WITH EXTREME CAUTION TO PREVENT DAMAGE AND RETURN THOSE ITEMS TO THE OWNER.
5. CONTRACTOR SHALL COORDINATE WITH THE OWNER AND UTILITY PROVIDER PRIOR TO DISCONNECTING OR REMOVAL OF ANY UTILITY SERVICE TO EXISTING FACILITIES. 48 HOUR MINIMUM NOTICE REQUIRED. ALL UTILITIES TO BE REMOVED SHALL BE CAPPED OR PLUGGED OR TERMINATED ACCORDING TO THE UTILITY COMPANY'S REQUIREMENTS.

GRADING NOTES:

1. ALL DISTURBED AREAS SHALL HAVE A MINIMUM OF 4" TOPSOIL APPLIED, BE GRASSED AND MULCHED, AND/OR SODDED AS SOON AS FINAL GRADING IS COMPLETE. REFER TO EROSION CONTROL NOTES FOR TEMPORARY GRASSING AND MULCHING DURING GRADING OPERATIONS.
2. ALL ENGINEERED FILL MATERIALS SHALL BE REVIEWED AND APPROVED BY THE OWNER'S REPRESENTATIVE WELL IN ADVANCE OF FILL OPERATIONS. THE CONTRACTOR SHALL IDENTIFY ALL BORROW SOURCES FOR SAMPLES TO BE TAKEN AND EVALUATED. ALL EMBANKMENT FILL AND BORROW EXCAVATION MATERIALS SHALL BE COMPACTED IN LOOSE 8" LIFTS AS PER THE OWNER'S REPRESENTATIVES REQUIREMENTS. SEE THE GEOTECHNICAL REPORT AND/OR PROJECT SPECIFICATIONS FOR THIS INFORMATION.
3. THE CONTRACTOR SHALL CLEAR AND GRUB AS NECESSARY WHERE GRADING OPERATIONS ARE TO BE PERFORMED.
4. BEFORE FINAL GRADING THE CONTRACTOR SHALL MAKE SURE UTILITIES INCLUDING STORM DRAIN, SANITARY, WATER DISTRIBUTION AND FIRE PROTECTION, ELECTRICAL, VIDEO, IRRIGATION, ETC. IMPROVEMENTS HAVE BEEN INSTALLED.
5. THE CONTRACTOR SHALL NOTE CHANGE IN GRADES AND REQUIRED RAMPS WHEN LAYING OUT SCORING AND HANDICAP RAMPS. ALL ADA ACCESSIBLE RAMP GRADES AND SIDEWALK CROSS SLOPE SHALL MEET ADA REQUIREMENTS.
6. GRADING OPERATIONS SHALL INCLUDE TOPSOIL STRIPPING AND REMOVAL THROUGHOUT THE PROJECT SITE, UNCLASSIFIED EXCAVATION, AND BORROW EXCAVATION, ROCK REMOVAL, ETC. TO BRING THE SITE TO FINISHED SUBGRADE (ONLY LEAVING PAVEMENTS AND TOPSOIL TO REACH FINAL FINISHED GRADE) AS SHOWN ON THE CONSTRUCTION PLANS. NO EXTRA PAYMENT WILL BE MADE FOR EXCESS MATERIAL BROUGHT ON-SITE, MATERIAL REQUIRED TO BE MOVED MULTIPLE TIMES BECAUSE OF CONSTRUCTION PHASING, OR EXCESS MATERIAL TO BE REMOVED FROM THE SITE UPON GRADING COMPLETION.
7. THERE SHALL BE NO DEBRIS (ROOTS, ROCKS, ETC.) IN THE TOPSOIL LARGER THAN ½" IN DIAMETER. THERE ALSO SHALL BE NO WASTED TEMPORARY GRAVEL, CONCRETE, OR ANY OTHER BUILDING MATERIALS FOUND IN THE TOPSOIL. ANY FOUND DEBRIS SHALL BE REMOVED IMMEDIATELY.
8. ALL EMBANKMENT FILL AND BORROW EXCAVATION MATERIALS SHALL BE PLACED IN MAXIMUM LOOSE 8" LIFTS TO 98% OF THE STANDARD PROCTOR MAXIMUM (ASTM D 698) DRY DENSITY, AS DIRECTED BY THE GEOTECHNICAL REPRESENTATIVE. SEE THE GEOTECHNICAL REPORT AND/OR PROJECT SPECIFICATIONS FOR ALL COMPACTION REQUIREMENTS.
9. SUBGRADE SHALL BE PROOF-ROLLED WITH A HEAVILY LOADED DUMP TRUCK AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING FILL. ANY AREAS SHOWING SIGNS OF PUMPING, RUTTING, OR ANY ORGANIC, SOFT, WET, OR LOOSE MATERIAL FOUND IN PLACE SHALL BE UNDERCUT AND REPLACED, OR MOISTURE CONDITIONED AND COMPACTED PER THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING THE SUBGRADE AFTER IT HAS BEEN INITIALLY PREPPED DUE TO INCLEMENT WEATHER AND CONSTRUCTION TRAFFIC AT NO ADDITIONAL COST.
11. COORDINATING THE SEQUENCING OF ALL GRADING OPERATIONS WITH THE EROSION CONTROL PLAN.
12. PROPOSED GRADES INDICATED ON THE PLANS ARE TO FINISH GRADE. THE CONTRACTOR SHALL MAKE ADJUSTMENTS FOR SUBGRADE OF TOPSOIL, PAVING, BUILDING PAD, ETC.
13. FILL SLOPES SHALL BE BENCHED INTO THE EXISTING SLOPES AND SHALL BE COORDINATED WITH THE GEOTECHNICAL ENGINEER FOR BENCH DETAILS (HEIGHT AND DEPTH OF BENCH INTO THE SLOPE).
14. GRADING ADJACENT TO THE BUILDING SHALL BE COORDINATED WITH THE ARCHITECTURAL AND STRUCTURAL PLANS FOR FOUNDATION WALLS, STEM WALLS, DRAINS, AND OTHER CONDITIONS.
15. DEWATERING SHALL BE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. PREVENT SURFACE WATER AND GROUNDWATER FROM ENTERING EXCAVATIONS, FROM PONDING ON PREPARED SUBGRADES, AND FROM FLOODING PROJECT SITE AND SURROUNDING AREA. PROTECT SUBGRADES FROM SOFTENING, UNDERMINING, WASHOUT, AND DAMAGE BY RAIN OR WATER ACCUMULATION. REROUTE SURFACE WATER RUNOFF AWAY FROM EXCAVATED AREAS, DO NOT ALLOW WATER TO ACCUMULATE IN EXCAVATIONS. DO NOT USE EXCAVATED TRENCHES AS TEMPORARY DRAINAGE DITCHES. INSTALL A DEWATERING SYSTEM TO KEEP SUBGRADES DRY AND CONVEY GROUNDWATER AWAY FROM EXCAVATIONS. MAINTAIN UNTIL DEWATERING IS NO LONGER REQUIRED. IF GROUNDWATER DEWATERING IS REQUIRED, CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED PRIOR TO DISCHARGE OF EFFLUENT FROM DEWATERING.
16. THE CONTRACTOR SHALL REVIEW THE GEOTECHNICAL REPORT AND ALL PROJECT SPECIFICATIONS IN THEIR ENTIRETY FOR THIS PROJECT.

STORM DRAIN NOTES:

1. STORM DRAIN STRUCTURE RINGS AND COVERS AND STEPS SHALL BE INSTALLED ON THE STRUCTURE WALL FREE OF PIPING AND/OR INLET THROAT.
2. STORM DRAIN STRUCTURES MEASURING FOUR (4) FEET OR GREATER IN DEPTH FROM THE FINISHED TOP OF THE STORM STRUCTURE TO THE INVERT OUT ELEVATION SHALL HAVE STEPS INSTALLED.
3. ALL REQUIRED STORM SEWER STRUCTURE RING AND COVER TOPS SHALL MATCH TOP OF CURB, ROADWAY AND/OR VEGETATED FINISHED GRADE ELEVATIONS UNLESS NOTED OTHERWISE ON THE CONSTRUCTION PLANS. ANY ADJUSTMENTS TO LEVEL RING AND COVER TOP ELEVATIONS WITH FINAL ASPHALT, SODDING, ETC. SHALL BE CONSIDERED A SUBSIDIARY OBLIGATION OF THE STORM DRAIN STRUCTURE INSTALLATION. CONTRACTOR SHALL COORDINATE WITH THE LOCAL MUNICIPALITY REGARDING CUSTOM WORDING ON ALL COVERS.
4. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN STORMWATER FLOW IN EXISTING AND PROPOSED STORM SEWERS WITHIN THE PROJECT LIMITS AND, IF AFFECTED BY CONSTRUCTION ACTIVITIES, OUTSIDE THE PROJECT LIMITS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ANY AND ALL MATERIAL AND LABOR REQUIRED FOR TEMPORARY STORM SEWERS AND/OR PUMPS THAT MAY BE REQUIRED FOR BYPASSING. THE OWNER OR ITS REPRESENTATIVES SHALL NOT ACCEPT ANY RESPONSIBILITY FOR THE ADEQUACY OR ACCURACY, OR ACCEPT ANY RESPONSIBILITY FROM CLAIMS OR DAMAGES RESULTING FROM THE FAILURE OF THE CONTRACTOR'S TEMPORARY STORM SEWER BYPASS FACILITIES.
5. ALL STORM DRAIN STRUCTURES ARE REQUIRED TO HAVE REBAR REINFORCEMENT IN THE WALLS, BOTTOM, AND TOP.
6. WHEN TYING TO EXISTING UTILITY PIPING WITH STORM DRAIN, THE CONTRACTOR SHALL USE EXTREME CARE ONLY EXCAVATING AND REMOVING THE NECESSARY AMOUNT OF PIPING TO INSTALL THE REQUIRED STRUCTURE. DAMAGE TO THE EXISTING UTILITY PIPING DUE TO OVEREXCAVATION OR POOR EXCAVATION WORK SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE/REPLACE AT HIS COST.
7. CONTRACTOR SHALL MAKE SURE THAT THERE IS FLEXIBILITY IN EACH STORM STRUCTURE CONICAL SECTION AND RING AND COVER TO ENSURE FINAL RING ELEVATION MATCHES FINAL PAVEMENT ELEVATION. FAILURE TO DO SO WILL REQUIRE REMOVAL OF AS MUCH STRUCTURE AS NECESSARY TO ALLOW TOP RING AND COVER TO BE FLUSH PAVEMENT.
8. THE CONTRACTOR MAY USE PRECAST CONCRETE STORM STRUCTURES FOR THE STANDARD/SPECIAL STRUCTURES REQUIRED ON THE CONSTRUCTION PLANS.
9. THE CONTRACTOR SHALL NOTE EXISTING STORM DRAIN AND STORM DRAIN STRUCTURES TO BE RETAINED AS PART OF THIS PROJECT. THIS EXISTING INFRASTRUCTURE SHALL BE USED TO DRAIN THE PROJECT DURING PHASES OF CONSTRUCTION. PROPER EROSION CONTROL METHODS SHALL BE USED TO PROTECT THIS INFRASTRUCTURE.
10. THE CONTRACTOR SHALL BACKFILL THE SPACE (WHEN BETWEEN 6 INCHES AND 2 FEET) BETWEEN STORM DRAIN AND SANITARY SEWER MAINS WHEN CROSSING WITH NO. 57 STONE MECHANICALLY CONSOLIDATED IN-PLACE TO PREVENT ANY SETTLEMENT AT THE CROSSING. THIS STONE SHALL EXTEND THE WIDTH OF THE UTILITY TRENCH TO APPROXIMATELY FOUR (4) FEET TO EITHER SIDE OF THE CROSSING.
11. THE CONTRACTOR SHALL GROUT OR PLUG AS NECESSARY ALL LIFTING HOLES IN STORM DRAIN PIPING SECTIONS BEFORE BACKFILL. THIS SHALL BE REQUIRED REGARDLESS IF PREFABRICATED LIFTING PLUGS ARE USED OR NOT. THE COMBINATION OF THE TWO (2) IS RECOMMENDED TO ENSURE THAT THE LIFTING HOLES DO NOT REMAIN OPEN ALLOWING EARTHEN MATERIAL TO ENTER THE DRAIN POSSIBLY CAUSING A SINK HOLE AT THE SURFACE.
12. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON ALL STORM PIPE MATERIALS PRIOR TO INSTALLATION AND/OR FABRICATION.
13. ALL PROPOSED STORM INLETS SHALL BE LOCATED AT THE LOW POINTS. GRADING SHALL BE TO DIRECT RUNOFF TO THESE INLETS. NOTIFY TTL OF ANY DISCREPANCIES.
14. STORM DRAINAGE SYSTEMS SHALL BE CONSTRUCTED FROM DOWNSTREAM TO UPSTREAM. VERIFY ALL PIPE SLOPES, INVERTS, AND POINTS OF CONNECTION PRIOR TO CONSTRUCTION.
15. CONTRACTOR SHALL PROVIDE CAST IRON DOWNSPOUT BOOTS, CLEANOUTS, AND COLLECTOR LINES FROM ALL EXTERIOR DOWNSPOUTS TO CONNECT TO PRIMARY STORM DRAINAGE SYSTEM. COORDINATE WITH EXTERIOR ELEVATIONS AND ROOF PLANS FOR DOWNSPOUT LOCATIONS. COORDINATE DOWNSPOUT BOOT MODEL WITH THE ARCHITECT.
16. CONTRACTOR SHALL COORDINATE ROOF DRAIN COLLECTOR LINES, DOWNSPOUTS AND BOOTS WITH FOOTING ELEVATIONS ON THE STRUCTURAL PLANS PRIOR TO POURING FOOTINGS.

SANITARY SEWER NOTES:

1. THE CONTRACTOR SHALL REFERENCE THE PLUMBING PLANS FOR ANY SEWER PLUMBING BENEATH THE PROPOSED BUILDING FOOTPRINT.
2. THE CONTRACTOR SHALL VERIFY CONNECTIONS FOR FLOW LINE ELEVATIONS OF EXISTING SANITARY SEWER PIPING AND MANHOLE INVERTS BEFORE INSTALLING ANY REQUIRED SANITARY SEWER STRUCTURES AND PIPING.
3. GRAVITY SEWER SYSTEMS SHALL BE CONSTRUCTED FROM DOWNSTREAM TO UPSTREAM. VERIFY ALL PIPE SLOPES, INVERTS, AND POINTS OF CONNECTION PRIOR TO CONSTRUCTION.
4. SANITARY STRUCTURE RINGS AND COVERS AND STEPS SHALL BE INSTALLED ON THE STRUCTURE WALL FREE OF PIPING.
5. SANITARY STRUCTURES MEASURING FOUR (4) FEET OR GREATER IN DEPTH FROM THE FINISHED TOP OF THE SANITARY STRUCTURE TO THE INVERT OUT ELEVATION SHALL HAVE STEPS INSTALLED.
6. ALL REQUIRED SANITARY STRUCTURE TOPS WITHIN A PAVED AREA SHALL MATCH ASPHALT FINISHED GRADES. TOPS NOT INSTALLED FLUSH SHALL BE RESET AT NO ADDITIONAL COST.
7. ANY EXISTING SANITARY STRUCTURES RETAINED AS PART OF THIS PROJECT SHALL BE THOROUGHLY CLEANED, WALLS WIPED WITH GROUT TO MAKE WATER TIGHT, INVERTS FORMED IF NECESSARY, EXISTING PIPING/DRAINS REGROUTING, ETC.
8. WHEN TYING TO EXISTING UTILITY PIPING WITH SANITARY SEWER STRUCTURES, THE CONTRACTOR SHALL USE EXTREME CARE ONLY EXCAVATING AND REMOVING THE NECESSARY AMOUNT OF PIPING TO INSTALL THE REQUIRED STRUCTURE. DAMAGE TO THE EXISTING UTILITY PIPING DUE TO OVEREXCAVATION OR POOR EXCAVATION WORK SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE/REPLACE AT HIS COST.
9. THE CONTRACTOR SHALL MAKE SURE THAT THERE IS FLEXIBILITY IN EACH SANITARY SEWER CONICAL SECTION AND RING AND COVER TO ENSURE FINAL RING ELEVATION IS FLUSH WITH FINAL PAVEMENT. FAILURE TO DO SO WILL REQUIRE REMOVAL OF AS MUCH STRUCTURE AS NECESSARY TO ALLOW TOP RING AND COVER TO MATCH PAVEMENT.
10. THE CONTRACTOR SHALL KEEP ALL LIVE SANITARY MAINS AND LATERALS FLOWING CONTINUOUSLY BY WHATEVER MEANS NECESSARY INCLUDING BYPASS PUMPING, TIE-INS AT NIGHT, OR ON WEEKENDS, ETC.
11. ALL MANHOLE AND MAIN INSTALLATIONS SHALL BE TESTED PER THE LOCAL SEWER AUTHORITY'S REQUIREMENTS. TESTING IS CONSIDERED INCIDENTAL TO THE PROJECT.

GENERAL UTILITY NOTES:

1. THE CONTRACTOR SHALL BE PREPARED TO CAMERA ANY DISCOVERED UTILITY MAIN FOUND DURING CONSTRUCTION NOT SHOWN ON THE PLANS TO VERIFY IF THE MAIN SHOULD BE TIED TO THE PROPOSED SYSTEMS OR BE ABANDONED AND/OR REMOVED.
2. ALL STORM DRAIN AND SANITARY SEWER SYSTEM STRUCTURES AND PIPING SHALL REMAIN ACTIVE UNTIL PROPOSED PROJECT UTILITIES ARE INSTALLED AND CAN COME INTO SERVICE. THIS APPLIES TO AREA INLETS IN YARDS AND/OR ROOF DRAINS. ANY WATER OR SEWER DAMAGE TO PRIVATE PROPERTY DUE TO FAILURE OF THE CONTRACTOR TO COORDINATE REMOVAL OF EXISTING UTILITIES AND TIE-INS TO REQUIRED UTILITIES SHALL BE PAID FOR BY THE CONTRACTOR INCLUDING ALL CLEANUP AND ADDITIONAL WORK REQUIRED TO CORRECT THE DAMAGE.
3. THE CONTRACTOR SHALL REMOVE/RESET/RAISE ALL PRIVATE UTILITY COMPANY BOXES, MANHOLE RING AND COVER, ETC. IF THESE ITEMS ARE BEING RETAINED. ANY ITEMS DAMAGED DURING THIS WORK SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
4. THE SITE CONTRACTOR IS RESPONSIBLE FOR COMPLETING ALL UTILITY SERVICES FROM THE POINT THE RESPECTIVE UTILITY COMPANY COMPLETES THEIR WORK TO THE POINT OF CONNECTION AT THE BUILDING.
5. REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL PLANS FOR ALL UTILITY POINTS OF CONNECTION AT THE BUILDING.
6. BACKFLOW PREVENTION AND METERING SHALL BE PROVIDED ON THE FIRE, DOMESTIC, AND IRRIGATION SERVICES IN ACCORDANCE WITH THE LOCAL UTILITY COMPANY AND FIRE DEPARTMENT REQUIREMENTS. CONTRACTOR SHALL PROVIDE A GRAVITY DRAIN LINE FROM ALL BELOW GRADE UTILITY VAULTS TO THE NEAREST STORM DRAIN OR DAYLIGHT AT GRADE.
7. CONTRACTOR IS RESPONSIBLE FOR PROVIDING TAMPER SWITCHES AND ASSOCIATED CONDUIT, WIRING, ETC. ON FIRE SERVICE POST INDICATOR VALVES AND VALVES IN FIRE BACKFLOW PREVENTOR ASSEMBLIES. COORDINATE WITH FIRE PREVENTION AND ELECTRICAL PLANS.
8. WATER MAINS AND SERVICES SHALL BE A MINIMUM OF 10 FEET HORIZONTAL AND 2 FEET VERTICAL FROM ALL SANITARY SEWER MAINS AND LATERALS.
9. WATER MAINS AND SERVICES SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL UTILITY COMPANY REQUIREMENTS. ALL MAINS AND SERVICES SHALL BE INSTALLED WITH A MINIMUM COVER OF 36" UNLESS OTHERWISE NOTED ON THE PLANS.
10. GAS SERVICE SHALL BE PER LOCAL GAS COMPANY REQUIREMENTS. COORDINATE WITH THE MECHANICAL ENGINEER AND GAS COMPANY.
11. WHERE UTILITIES ARE TO BE INSTALLED IN AREAS OF EXISTING PAVING, HARDSCAPE, ETC., CONTRACTOR SHALL SAW CUT AND REMOVE EXISTING PAVING OR HARDSCAPE, BACKFILL FULL DEPTH WITH NO. 57 STONE, AND REPLACE IN LIKE KIND AND RE-STRIPE AS NECESSARY.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ELEVATIONS OF ALL AT-GRADE STRUCTURES AND UTILITY VAULTS TO REMAIN TO MATCH PROPOSED FINISHED GRADES.

EXISTING UTILITY NOTES

APWA UNIFORM COLOR CODE
FOR MARKING UNDERGROUND UTILITY LINES

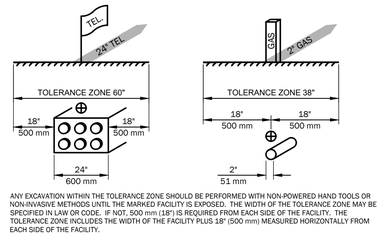
- WHITE - Proposed excavation
- PINK - Temporary survey markings
- RED - Electric Power Lines, Cables, Conduit and Lighting Cables
- YELLOW - Gas, Oil, Steam, Petroleum or Gaseous Materials
- BLUE - Potable Water
- PURPLE - Reclaimed Water, Irrigation and Slurry Lines
- GREEN - Sewers and Drain Lines

TO HAVE UNDERGROUND UTILITY LINES LOCATED DIAL:

- 811 (INSIDE ALABAMA)
- (800) 292-8525 (INSIDE AND OUTSIDE OF ALABAMA)

WWW.ALB11.COM

ALABAMA 811 Know what's below. Call before you dig.



ANY EXCAVATION WITHIN THE TOLERANCE ZONE SHOULD BE PERFORMED WITH NON-POWERED HAND TOOLS OR NON-INVASIVE METHODS UNTIL THE MARKED FACILITY IS EXPOSED. THE WIDTH OF THE TOLERANCE ZONE MAY BE SPECIFIED IN LAW OR CODE. IF NOT, 500 mm (18") IS REQUIRED FROM EACH SIDE OF THE FACILITY. THE TOLERANCE ZONE INCLUDES THE WIDTH OF THE FACILITY PLUS 18" (500 mm) MEASURED HORIZONTALLY FROM EACH SIDE OF THE FACILITY.

PAVING, SIGNING AND STRIPING NOTES:

1. THE CONTRACTOR SHALL SAW-CUT ALL EXISTING PAVEMENTS TO BE REMOVED WITH A STRAIGHT, CLEAN REMOVAL JOINT TO ENSURE PROPOSED PAVEMENTS JOIN TO EXISTING CLEANLY.
2. ALL COMBINATION CURB AND GUTTER SHALL BE ONE AND A HALF (1.5) FEET IN WIDTH UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION PLANS. EXISTING CURB AND GUTTER MAY VARY IN WIDTH AND PROPOSED CURB AND GUTTER SHALL BE TAPERED TO JOIN TO IT OVER A MINIMUM DISTANCE OF FIVE (5) FEET TO ENSURE A SMOOTH TRANSITION.
3. ALL TEMPORARY AND/OR PERMANENT STRIPING, MARKINGS, ETC. SHALL BE OF COLOR AND TYPE SHOWN AND SHALL CONFORM TO THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND ALABAMA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.
4. ALL PERMANENT SIGNS AND POSTS SHALL BE PER THE MUTCD.
5. ALL TEMPORARY CONSTRUCTION SIGNS SHALL MEET THE REQUIREMENTS SET FORTH IN THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. ALL TEMPORARY CONSTRUCTION SIGN POSTS SHALL BE #3 "U" CHANNEL POSTS, ALDOT 710B.
6. ALL TRAFFIC STRIPES SHALL BE 4" WIDE UNLESS OTHERWISE NOTED.
7. ALL DIMENSIONS ARE TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
8. THE CONTRACTOR SHALL NOTE THE DIFFERENT PAVEMENT TYPICAL SECTIONS FOR THE PROJECT.
9. CONCRETE CONTROL JOINTS SHALL BE MEASURED FOR DEPTH. THEY MUST BE INSTALLED PROPERLY FOR CONTROL CRACKING OF THE CONCRETE PAVEMENT. IMPROPERLY INSTALLED CONCRETE SHALL BE REMOVED/REPLACED AT THE CONTRACTOR'S EXPENSE.
10. ALL TEMPORARY STRIPING DURING CONSTRUCTION SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. TEMPORARY STRIPING SHALL BE REQUIRED TO CLEARLY DELINEATE ANY TRAFFIC BOTH PEDESTRIAN AND MOTOR VEHICLE KNOW HOW TO NAVIGATE THE WORK AREA. DURING PAVEMENT CURING TEMPORARY STRIPING SHALL BE APPLIED FOR TRAFFIC CONTROL.
11. THE FINAL PAVEMENT FINISH IS VERY IMPORTANT FOR THE PROJECT AND THE OWNER. THE CONTRACTOR SHALL MAKE ALL PAVEMENT ARE FINISHED OUT SMOOTHLY AND CLEANLY. IRREGULARITIES, "BIRD BATHS", RANDOM CRACKING, ETC. SHALL BE REMOVED/REPLACED AT THE CONTRACTOR'S EXPENSE.

EROSION CONTROL NOTES:

1. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL LAWS, CODES, AND REGULATIONS.
2. REGARDLESS IF AN NPDES PERMIT IS REQUIRED OR NOT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR USING BEST MANAGEMENT PRACTICES (BMP'S) FOR ERO

BASEBALL FIELD

gravel

concrete blk. bldg. ffe 390.12

concrete

dugout

field light

field light

fence

4" pvc lateral

up/w/xfmr

asphalt pavement

ssmh rim 387.64' fl. in 378.61' fl. out 377.04'

SAWCUT AND REMOVE EXISTING ASPHALT AS NEEDED TO INSTALL NEW FIRE LINE (SEE SHEET C6.0)

8" pvc

g.i. (3x3) top 379.76' fl. 374.91'

15" rcp

EXISTING STORM PIPE (RETAIN)

ssmh rim 381.94' fl. in 376.75' fl. out 376.42'

EXISTING GRATE INLET (REMOVE/REPLACE)

g.i. (3x3) top 381.05' fl. 375.50'

gravel

EXISTING STORM PIPE (REMOVE PORTION - SEE SHEET C4.0)

EXISTING SIDEWALK (REMOVE)

g.i. (3x3) top 380.20' fl.374.10'

ffe@ dbl door 382.61

EXISTING STORM PIPE (REMOVE PORTION - SEE SHEET C4.0)

stmh top 81.98' fl. 375.73'

EXISTING MANHOLE (REMOVE)

EXISTING SHED (REMOVE)

shed

EXISTING STORM PIPE (REMOVE)

18" curb & gutter

lp

roof drain typ. collected u.n.o.

EXISTING HVAC UNITS (RETAIN)

EXISTING ROOF DRAINS (REMOVE)(SEE SHEET C4.0)

ffe@ dbl door 382.67

EXISTING GRATE INLET (REMOVE)

g.i. (3x3) top 381.19' fl.376.29'

EXISTING BUILDING (RETAIN)

OAKMAN MIDDLE SCHOOL

asphalt pavement

ssmh rim 381.23' fl. in from co 371.93' fl. in 8" 373.73' fl. out 371.88'

dumpster pad

ffe@ door 382.64

18" curb & gutter

g.i. top 380.59' fl. 373.47'

roof drain typ. collected u.n.o.

ele. transformer

ffe@ dbl door 382.62

roofline

fh

lp

18" curb & gutter

asphalt pavement

g.i. top 381.92' fl.374.62'

DEMOLITION LEGEND

- APPROXIMATE LIMITS OF ASPHALT & CONCRETE PAVEMENT REMOVAL
- EXISTING BUILDING DEMOLITION
- EXISTING FENCE DEMOLITION
- EXISTING UTILITY DEMOLITION/SLURRY FILL
- APPROXIMATE CLEARING LIMITS

NOTES:

1. SEE SHEET C0.1 FOR ALL APPLICABLE NOTES.

0 20 40 60

1" = 20'

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LATHAN McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
SITE DEMOLITION PLAN
BASE BID

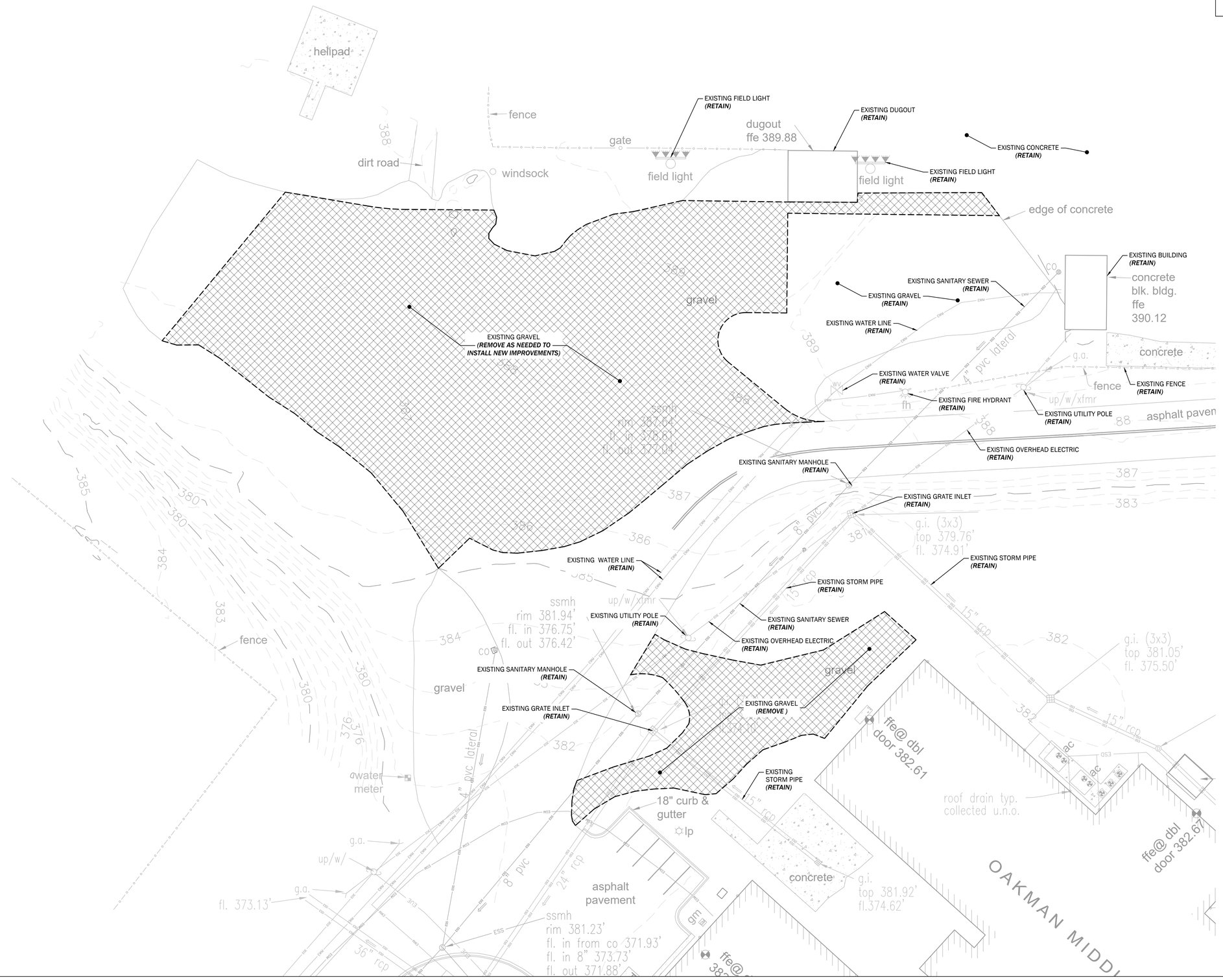
ALABAMA LICENSED No. 24443 PROFESSIONAL ENGINEER ALLEN 8/31/2026

PROJ. MGR.: CAH	
DRAWN: EKH	
DATE: AUGUST 31, 2026	
REVISIONS	

JOB NO. 25-70R

SHEET NO:
C1.0

0 1" 2"



NOTES:

1. SEE SHEET C0.1 FOR ALL APPLICABLE NOTES.

0 20 40 60

1" = 20'

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DEMOLITION LEGEND

- APPROXIMATE LIMITS OF ASPHALT & CONCRETE PAVEMENT REMOVAL
- EXISTING BUILDING DEMOLITION
- EXISTING FENCE DEMOLITION
- EXISTING UTILITY DEMOLITION/SLURRY FILL
- APPROXIMATE CLEARING LIMITS

LATHAN ▪ McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
SITE DEMOLITION PLAN
NORTH PARKING LOT
ALTERNATE

ALABAMA LICENSED
No. 24443
PROFESSIONAL
ENGINEER
CHRISTOPHER ALLEN HOWELL
8/31/2026

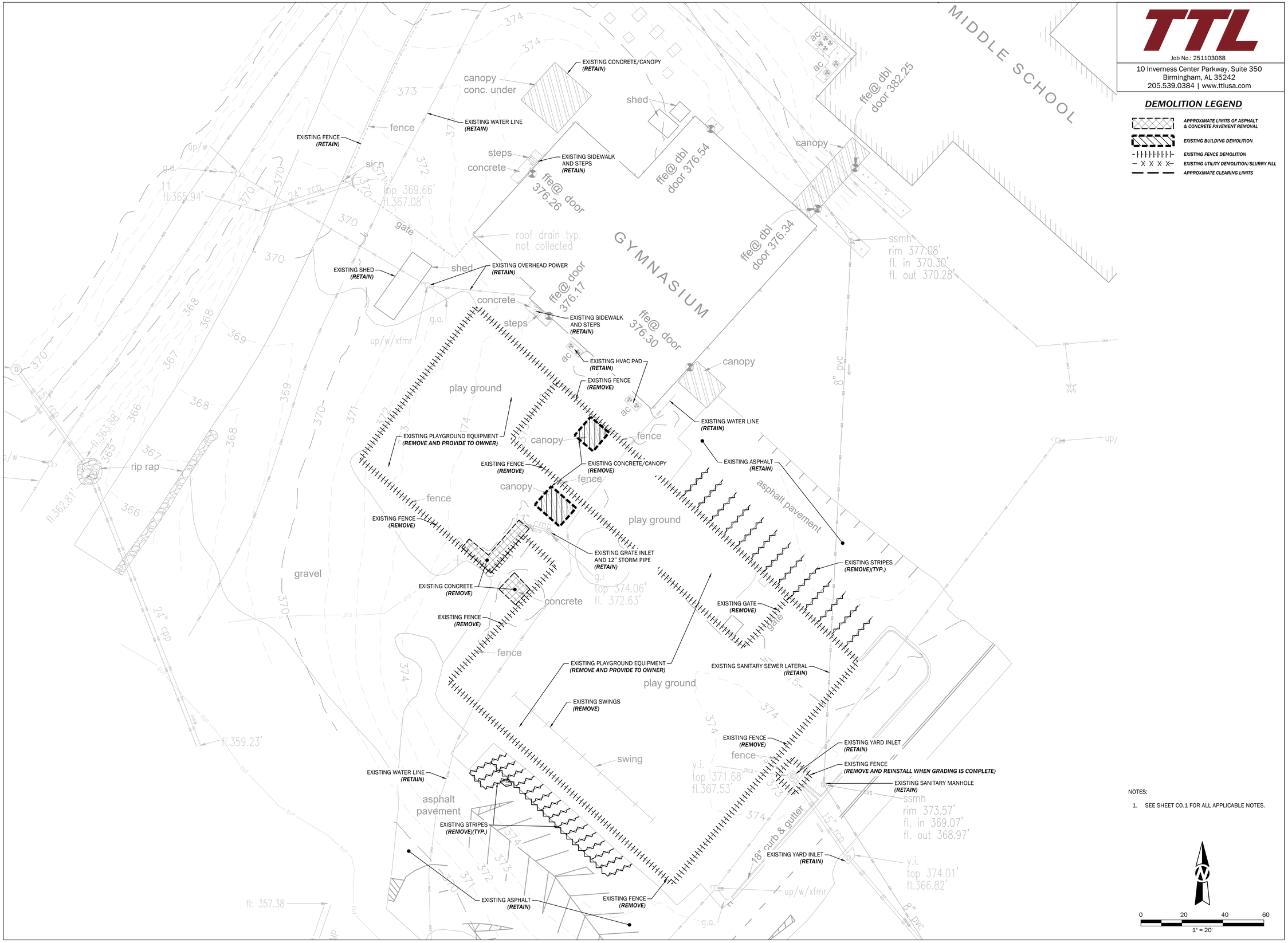
PROJ. MGR.:	CAH
DRAWN:	EKH
DATE:	AUGUST 31, 2026
REVISIONS	

JOB NO. 25-70R

SHEET NO:
C1.1

3 OF 18

0 1" 2"



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LATHAN ▪ McKEE ARCHITECTS

DEMOLITION LEGEND

- APPROXIMATE LIMITS OF ASPHALT & CONCRETE PAVEMENT REMOVAL
- EXISTING BUILDING DEMOLITION
- EXISTING FENCE DEMOLITION
- EXISTING UTILITY DEMOLITION/SLURRY FILL
- APPROXIMATE CLEARING LIMITS

NOTES:

1. SEE SHEET C0.1 FOR ALL APPLICABLE NOTES.

0 20 40 60
1" = 20'

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
SITE DEMOLITION PLAN SOUTH PARKING LOT AND PLAYGROUNDS ALTERNATE

ALABAMA LICENSED No. 24443 PROFESSIONAL ENGINEER CHRISTOPHER ALLEN HOLT 8/31/2026

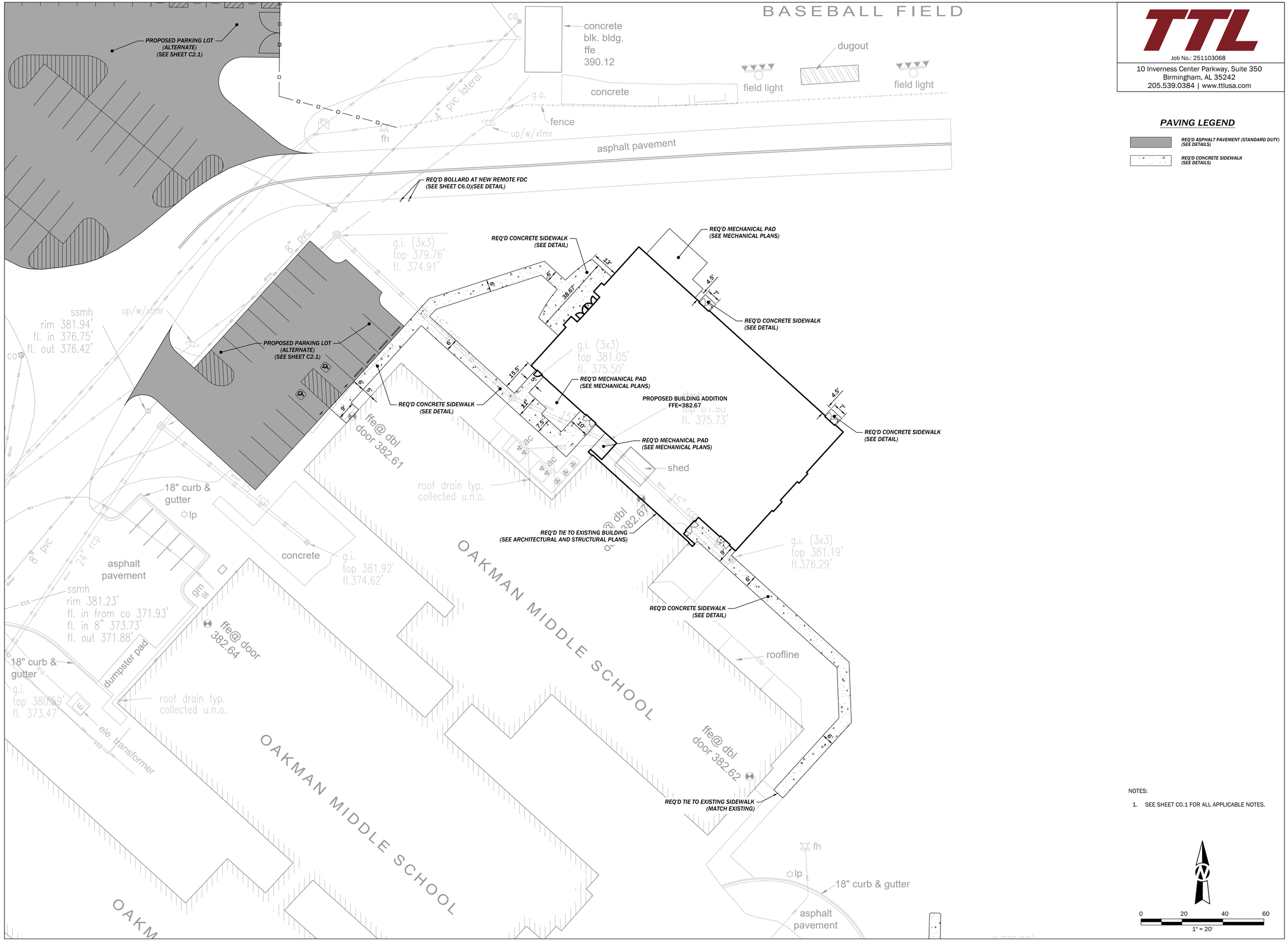
PROJ. MGR.: CAH	
DRAWN: EKH	
DATE: AUGUST 31, 2026	
REVISIONS	

JOB NO. 25-70R

SHEET NO:
C1.2

4 OF 18

0 1" 2"



PAVING LEGEND

- REQ'D ASPHALT PAVEMENT (STANDARD DUTY) (SEE DETAILS)
- REQ'D CONCRETE SIDEWALK (SEE DETAILS)

NOTES:

1. SEE SHEET C0.1 FOR ALL APPLICABLE NOTES.

0 20 40 60
1" = 20'

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NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
SITE LAYOUT PLAN
BASE BID

ALABAMA LICENSED No. 24443 PROFESSIONAL ENGINEER CHRISTOPHER ALLEN HOOD 8/31/2026

PROJ. MGR.: CAH
DRAWN: EKH
DATE: AUGUST 31, 2026
REVISIONS

JOB NO. 25-70R
SHEET NO:
C2.0
5 OF 18

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LATHAN McKEE ARCHITECTS

SOFTBALL FIELD



PAVING LEGEND

- REQ'D ASPHALT PAVEMENT (STANDARD DUTY) (SEE DETAILS)
- REQ'D CONCRETE SIDEWALK (SEE DETAILS)

NOTES:

1. SEE SHEET C0.1 FOR ALL APPLICABLE NOTES.

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
SITE LAYOUT PLAN
NORTH PARKING LOT
ALTERNATE

ALABAMA LICENSED No. 24443 PROFESSIONAL ENGINEER CHRISTOPHER ALLEN HOWELL 8/31/2026

PROJ. MGR.: CAH
DRAWN: EKH
DATE: AUGUST 31, 2026
REVISIONS

JOB NO. 25-70R
SHEET NO:
C2.1
6 OF 18

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ARCHITECTS

PAVING LEGEND

- REQ'D ASPHALT PAVEMENT (STANDARD DUTY) (SEE DETAILS)
- REQ'D CONCRETE SIDEWALK (SEE DETAILS)

PROPOSED PLAYGROUND (SEE PLAYGROUND PLANS BY OTHERS)

PROPOSED PLAYGROUND (SEE PLAYGROUND PLANS BY OTHERS)

REQ'D TIE TO EXISTING ASPHALT (MATCH EXISTING GRADE)

REQ'D 4" WHITE STRIPES AT 2' O.C. AND 45° WITH 4" WHITE BORDER

REQ'D 4" WHITE STRIPE (TYP.)

REQ'D STANDARD DUTY ASPHALT PAVEMENT (SEE DETAILS)

REQ'D 4" WHITE STRIPES AT 2' O.C. AND 45° WITH 4" WHITE BORDER

NOTES:

1. SEE SHEET C0.1 FOR ALL APPLICABLE NOTES.

0 20 40 60
1" = 20'

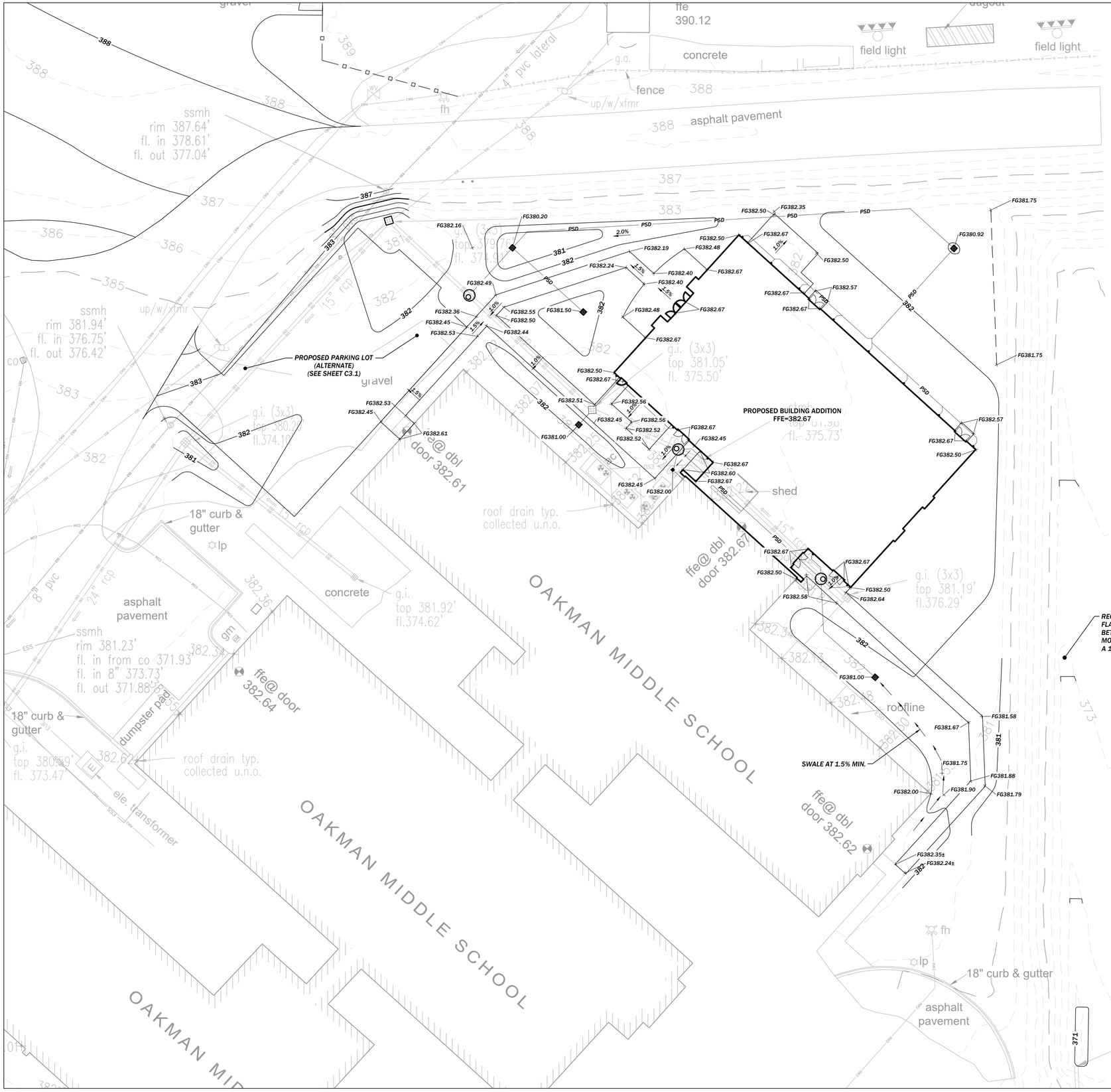
NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
SITE LAYOUT PLAN
SOUTH PARKING LOT
& PLAYGROUNDS
ALTERNATE

ALABAMA LICENSED
No. 24443
PROFESSIONAL
ENGINEER
CHRISTOPHER ALLEN HOLLIS
8/31/2026

PROJ. MGR.: CAH
DRAWN: EKH
DATE: AUGUST 31, 2026
REVISIONS

JOB NO. 25-70R
SHEET NO:
C2.2
7 OF 18



NOTES:

1. SEE SHEET C0.1 FOR ALL APPLICABLE NOTES.
2. SEE SHEET C4.0 FOR DRAINAGE INFORMATION.

0 20 40 60
1" = 20'

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GRADING LEGEND

- 150 — REQ'D CONTOUR 5' INTERVAL
- 149 — REQ'D CONTOUR 1' INTERVAL
- FG150.00 — REQ'D FINISH GRADE

LATHAN McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
GRADING PLAN
BASE BID

ALABAMA LICENSED No. 24443 PROFESSIONAL ENGINEER CHRISTOPHER ALLEN HOWELL 8/31/2026

PROJ. MGR.: CAH
DRAWN: EKH
DATE: AUGUST 31, 2026
REVISIONS

JOB NO. 25-70R
SHEET NO:
C3.0
8 OF 18

0 1" 2"

SOFTBALL FIELD

helipad
fence
gate
dugout
ffe 389.88
dirt road
windsock
field light
field light
ADA PARKING AREA NOT TO EXCEED 2% IN ANY DIRECTION
SIDEWALK SHALL MATCH GRADE OF EXISTING CONCRETE
SIDEWALK SHALL MATCH GRADE OF EXISTING CONCRETE
edge of concrete
FG387.70±
FG389.10
FG389.03
FG389.47±
FG389.28±
FG389.28±
FG389.48±
FG389.40±
15%
FG388.82
FG389.15±
gravel
FG388.56
FG388.83±
concrete blk. bldg. ffe 390.12
co
FG386.68±
FG386.30
4" pvc lateral
g.a.
concrete
fence
up/w/xfmr
asphalt pave
ssmh
rim 387.64'
fl. in 378.61'
fl. out 377.04'
M.E.
fh
wv
RAISE INLET TOP TOP = 381.25
FG385.56±
FG385.00±
FG385.16±
FG385.30
ssmh
rim 381.94'
fl. in 376.75'
fl. out 376.42'
up/w/xfmr
M.E.
FG382.91
FG381.80
FG381.59
FG382.06
FG382.91
FG382.45
FG382.15
FG382.26
gravel
FG382.45
FG382.15
FG382.45
FG382.43
FG382.45
ADA PARKING AREA NOT TO EXCEED 2% IN ANY DIRECTION
g.i. (3x3) top 381.05' fl. 375.50'
fence
gravel
awater meter
4" pvc lateral
18" curb & gutter
lp
roof drain typ. collected u.n.o.
ffe@ dbl door 382.61
ffe@ dbl door 382.67
g.a.
up/w/
g.a.
fl. 373.13'
8" pvc
24" rcp
asphalt pavement
concrete
g.i. top 381.92' fl.374.62'
ssmh
rim 381.23'
fl. in from co 371.93'
fl. in 8" 373.73'
fl. out 371.88'
36" rcp
OAKMAN MIDDL

NOTES:

1. SEE SHEET C0.1 FOR ALL APPLICABLE NOTES.

0 20 40 60
1" = 20'

GRADING LEGEND

- 150 — REQ'D CONTOUR 5' INTERVAL
- 149 — REQ'D CONTOUR 1' INTERVAL
- ×FG150.00 — REQ'D FINISH GRADE

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LATHAN McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

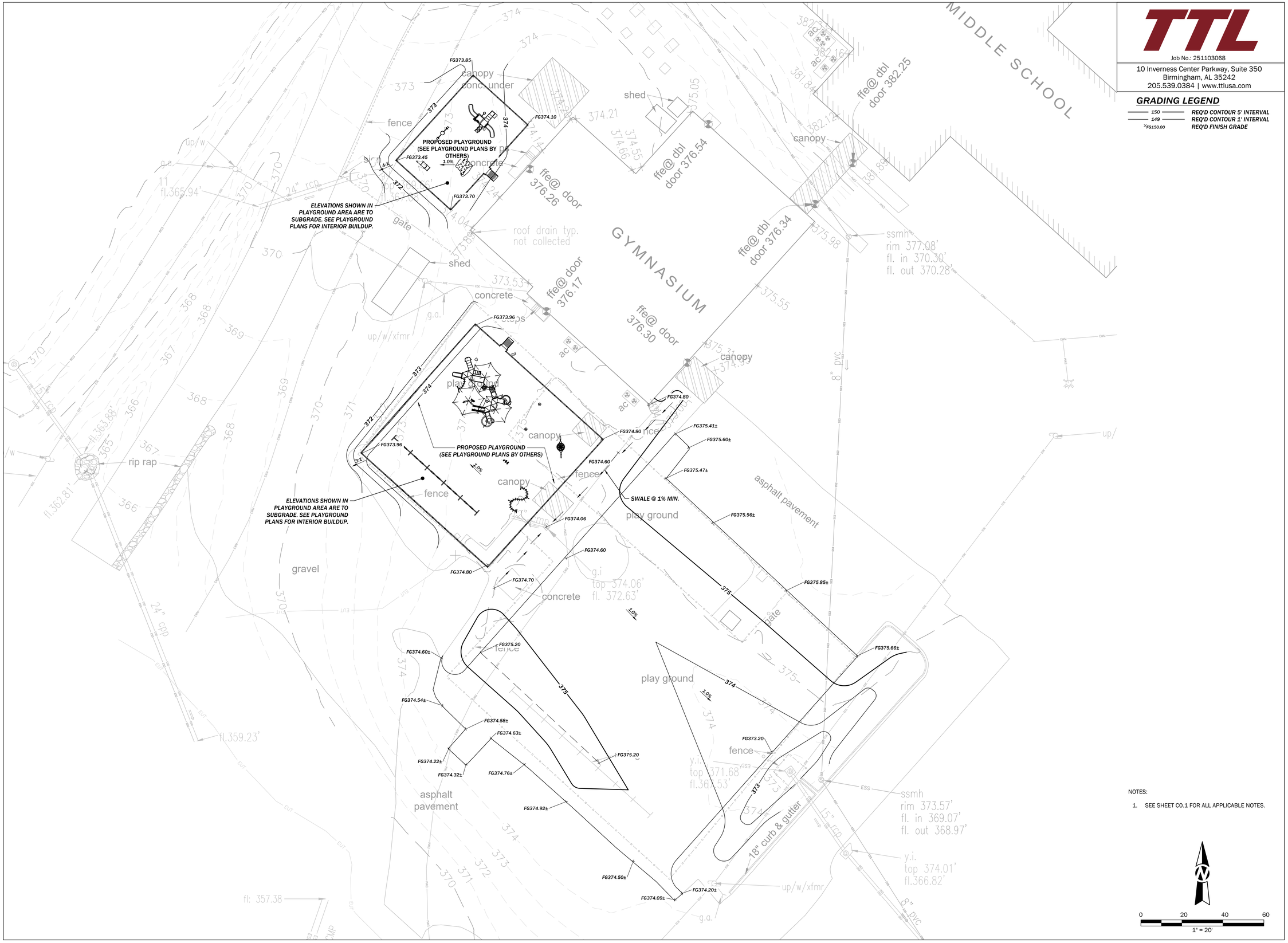
SHEET TITLE:
GRADING PLAN
NORTH PARKING LOT
ALTERNATE

ALABAMA LICENSED
No. 24443
PROFESSIONAL ENGINEER
CHRISTOPHER ALLEN HOWELL
8/31/2026

PROJ. MGR.:	CAH
DRAWN:	EKH
DATE:	AUGUST 31, 2026
REVISIONS	

JOB NO. 25-70R
SHEET NO:
C3.1
9 OF 18

0 1" 2"



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LATHAN McKEE ARCHITECTS

GRADING LEGEND

- 150 — *REQ'D CONTOUR 5' INTERVAL*
- 149 — *REQ'D CONTOUR 1' INTERVAL*
- ×FG150.00 — *REQ'D FINISH GRADE*

NOTES:

1. SEE SHEET C0.1 FOR ALL APPLICABLE NOTES.

0 20 40 60
1" = 20'

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
GRADING PLAN
SOUTH PARKING LOT
AND PLAYGROUND
ALTERNATE

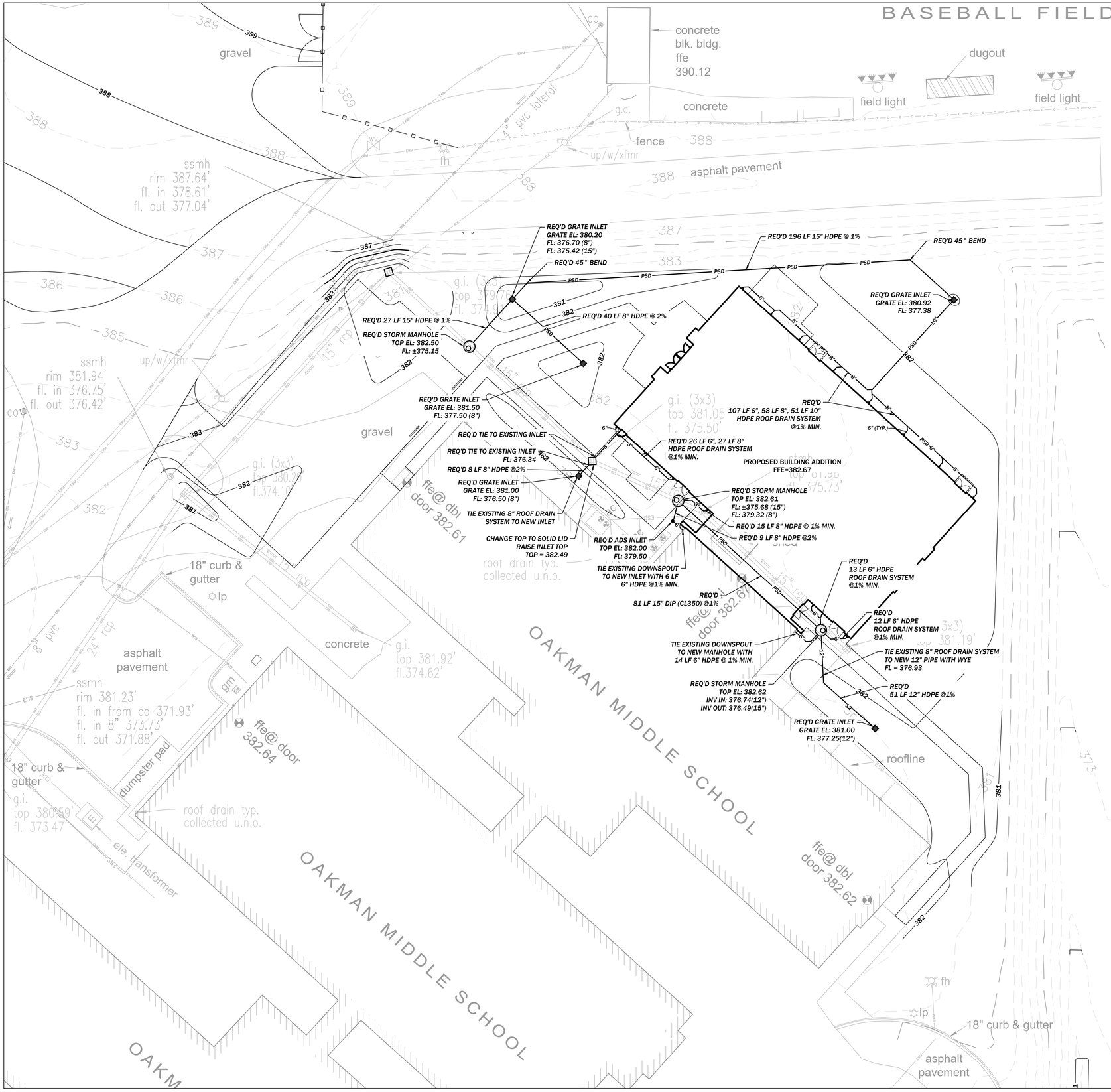
ALABAMA LICENSED
No. 24443
PROFESSIONAL
ENGINEER
CHRISTOPHER ALLEN HOWELL
8/31/2026

PROJ. MGR.: CAH
DRAWN: EKH
DATE: AUGUST 31, 2026
REVISIONS

JOB NO. 25-70R

SHEET NO:
C3.2
10 OF 18

0 1" 2"



NOTES:

1. SEE SHEET C0.1 FOR ALL APPLICABLE NOTES.
2. ALL ADS INLETS SHALL BE ADS-NYLOPLAST DRAIN BASINS WITH 15" STANDARD GRATE OR APPROVED EQUAL.

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LATHAN ▪ McKEE ARCHITECTS

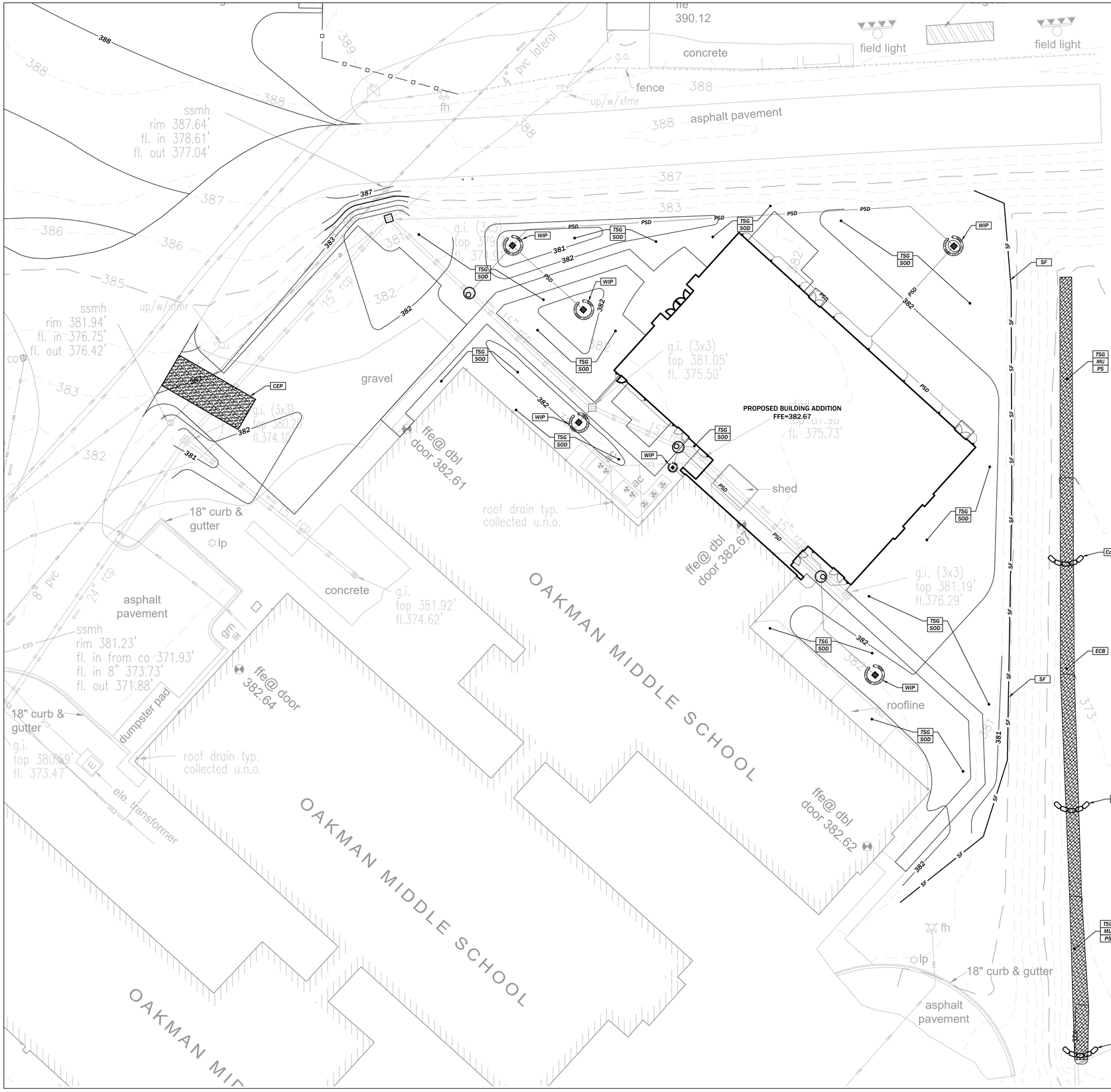
NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
DRAINAGE PLAN
BASE BID

ALABAMA LICENSED No. 24443 PROFESSIONAL ENGINEER CHRISTOPHER ALLEN HOWELL 8/31/2026

PROJ. MGR.: CAH	
DRAWN: EKH	
DATE: AUGUST 31, 2026	
REVISIONS	

JOB NO. 25-70R
SHEET NO:
C4.0
11 OF 18
0 1" 2"



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LATHAN McKEE ARCHITECTS

EROSION CONTROL LEGEND

- SF — SILT FENCE
- SB — SEDIMENT CONTROL LOG
- WATTLE CHECK DAM
- WATTLE INLET PROTECTION
- EROSION CONTROL BLANKET (NORTH AMERICAN GREEN S75 OR APPROVED EQUAL)
- STONE CONSTRUCTION ENTRANCE/EXIT

- SB SEDIMENT BARRIER
- TSG TOPSOILING
- SOD SODDING
- ECB EROSION CONTROL BLANKET
- SU SURFACE ROUGHENING
- MU MULCHING
- PS PERMANENT SEEDING
- CEP CONSTRUCTION EXIT PAD

NOTES:

1. SEE SHEET C0.1 FOR ALL APPLICABLE NOTES.

0 20 40 60
1" = 20'

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
EROSION CONTROL PLAN
BASE BID

ALABAMA LICENSED No. 24443 PROFESSIONAL ENGINEER CHRISTOPHER ALLEN HOWELL 8/31/2026

PROJ. MGR.: CAH
DRAWN: EKH
DATE: AUGUST 31, 2026
REVISIONS

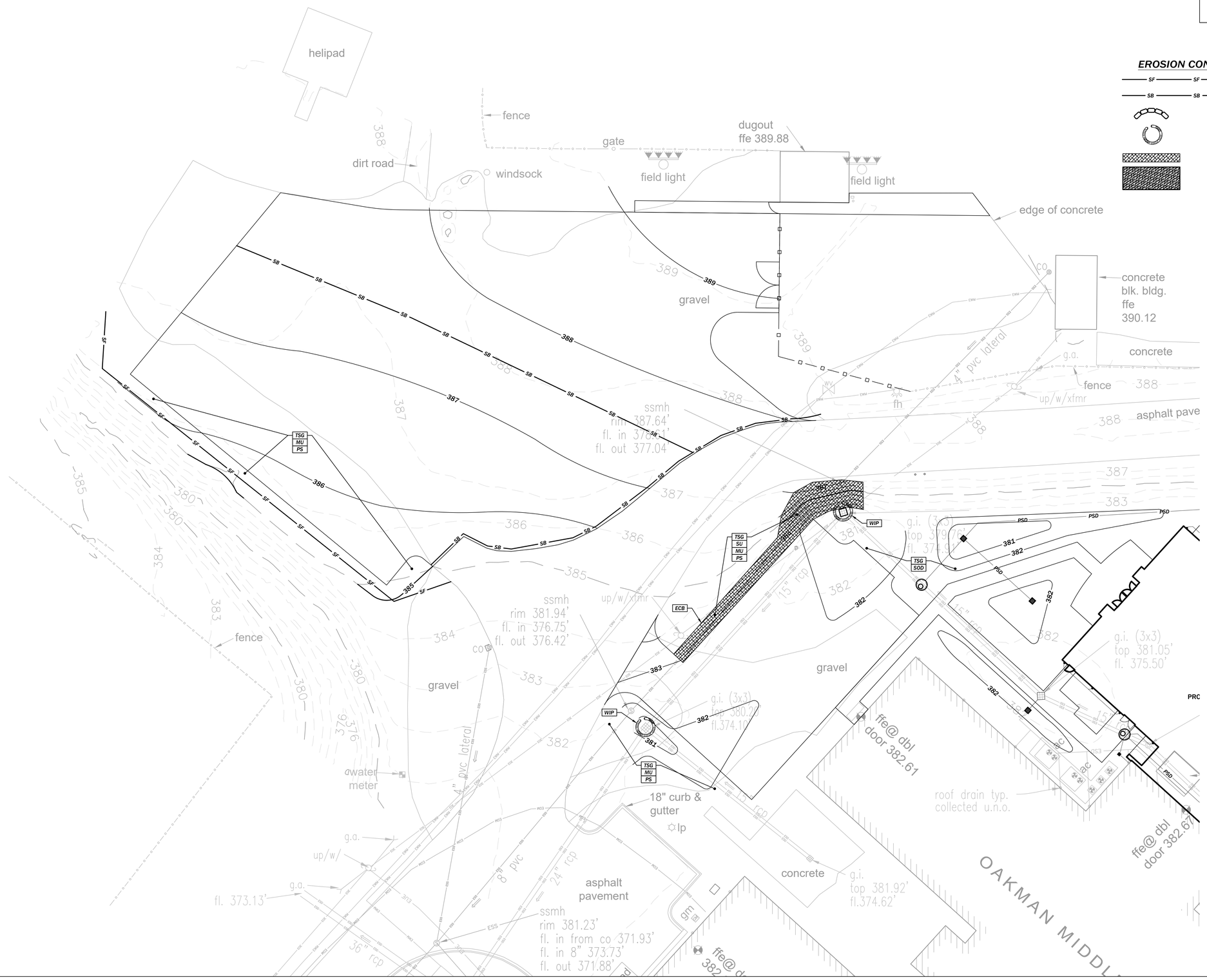
JOB NO. 25-70R
SHEET NO:
C5.0
12 OF 18

0 1" 2"

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LATHAN McKEE ARCHITECTS

SOFTBALL FIELD



EROSION CONTROL LEGEND

- SF SF — SILT FENCE
- SB SB — SEDIMENT CONTROL LOG
- WATTLE CHECK DAM
- WATTLE INLET PROTECTION
- EROSION CONTROL BLANKET (NORTH AMERICAN GREEN S75 OR APPROVED EQUAL)
- STONE CONSTRUCTION ENTRANCE/EXIT

- SB SEDIMENT BARRIER
- TSG TOPSOILING
- SOD SODDING
- ECB EROSION CONTROL BLANKET
- SU SURFACE ROUGHENING
- MU MULCHING
- PS PERMANENT SEEDING
- CEP CONSTRUCTION EXIT PAD

NOTES:

1. SEE SHEET CO.1 FOR ALL APPLICABLE NOTES.

0 20 40 60
1" = 20'

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

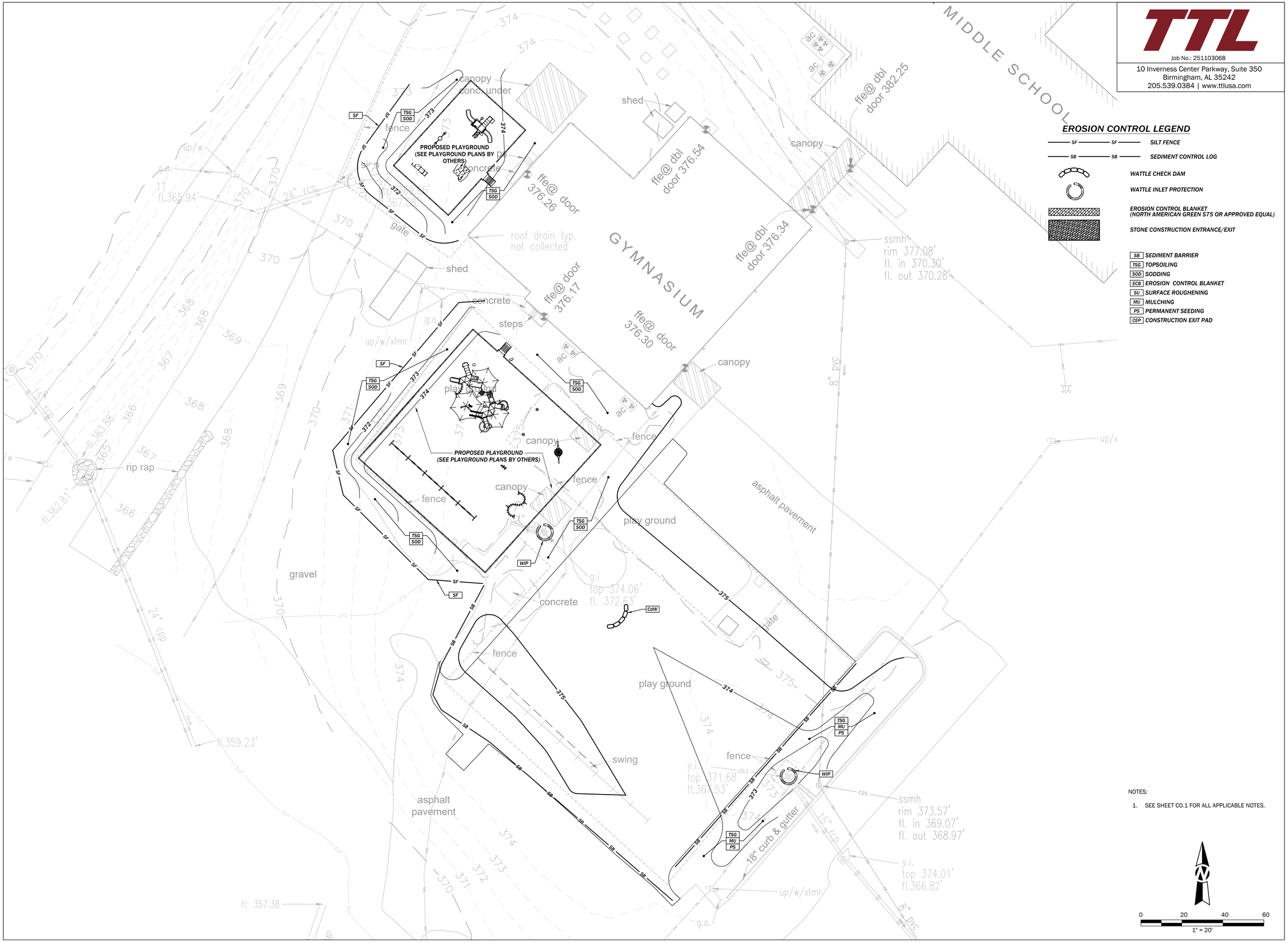
SHEET TITLE:
EROSION CONTROL PLAN
NORTH PARKING LOT ALTERNATE

ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 24443
CHRISTOPHER ALLEN HOWELL
8/31/2026

PROJ. MGR.: CAH
DRAWN: EKH
DATE: AUGUST 31, 2026
REVISIONS

JOB NO. 25-70R
SHEET NO:
C5.1
13 OF 18

0 1" 2"



EROSION CONTROL LEGEND

- SF — SF — SILT FENCE
- SB — SB — SEDIMENT CONTROL LOG
- WATTLE CHECK DAM
- WATTLE INLET PROTECTION
- EROSION CONTROL BLANKET (NORTH AMERICAN GREEN S75 OR APPROVED EQUAL)
- STONE CONSTRUCTION ENTRANCE/EXIT

- SB SEDIMENT BARRIER
- TSG TOPSOILING
- SOD SODDING
- ECB EROSION CONTROL BLANKET
- SU SURFACE ROUGHENING
- MU MULCHING
- PS PERMANENT SEEDING
- CEP CONSTRUCTION EXIT PAD

NOTES:

1. SEE SHEET C0.1 FOR ALL APPLICABLE NOTES.

0 20 40 60
1" = 20'

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LATHAN McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

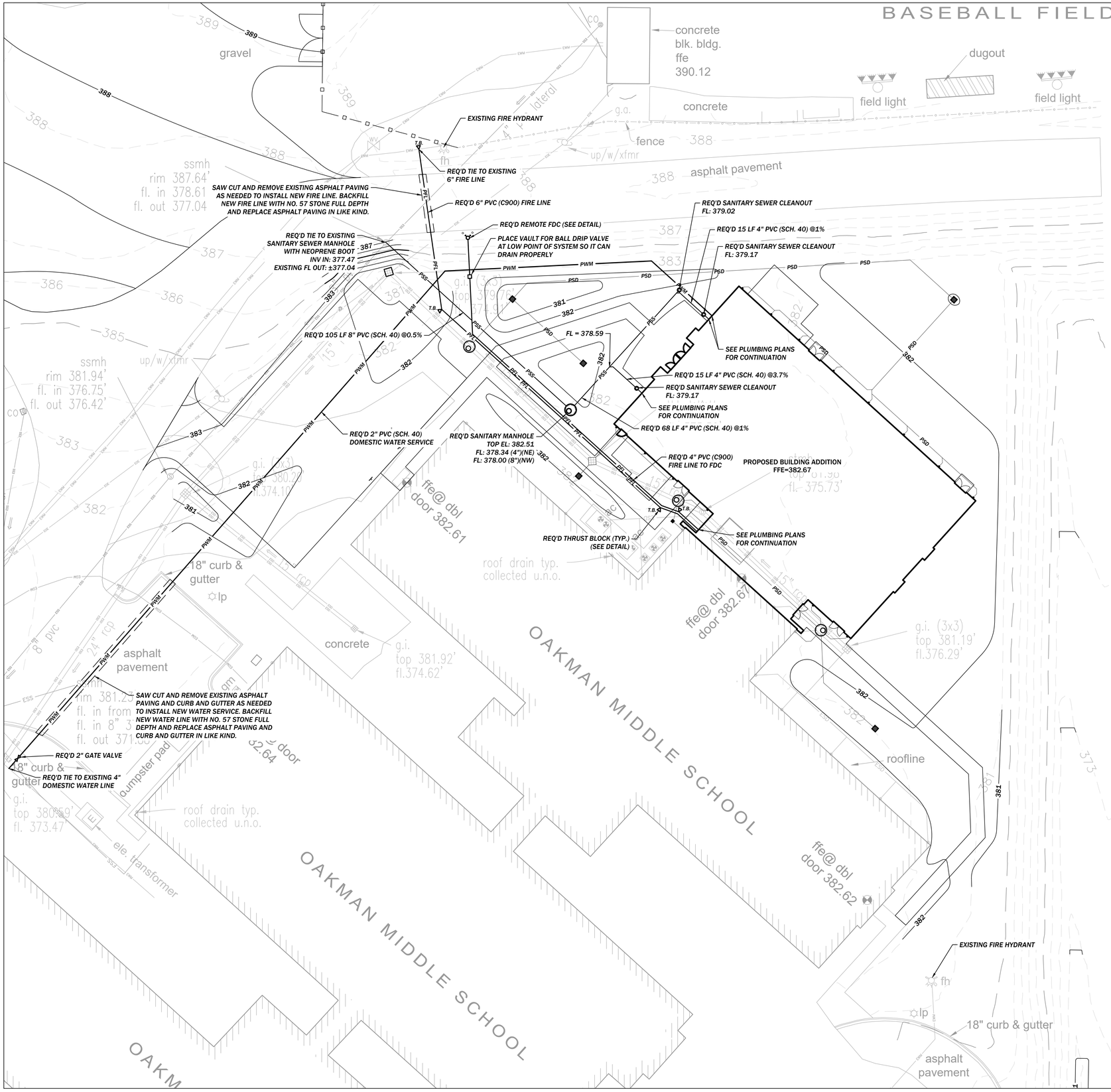
SHEET TITLE:
EROSION CONTROL PLAN
SOUTH PARKING LOT AND PLAYGROUND ALTERNATE

ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 24443
CHRISTOPHER ALLEN HOWELL
8/31/2026

PROJ. MGR.: CAH
DRAWN: EKH
DATE: AUGUST 31, 2026
REVISIONS

JOB NO. 25-70R
SHEET NO:
C5.2
14 OF 18

0 1" 2"



SANITARY LEGEND

PSS	REQ'D SANITARY SEWER MAIN
PFM	REQ'D SANITARY SEWER FORCE MAIN
	REQ'D SANITARY SEWER MANHOLE
	REQ'D SANITARY SEWER CLEANOUT

UTILITY LEGEND

PGM	REQ'D GAS MAIN
	REQ'D GAS METER
	REQ'D GAS VALVE
IRR	REQ'D IRRIGATION
POC	REQ'D OVERHEAD CABLE TELEVISION
PUC	REQ'D UNDERGROUND CABLE TELEVISION
POT	REQ'D OVERHEAD TELEPHONE
PUT	REQ'D UNDERGROUND TELEPHONE
PTS	REQ'D TRAFFIC SIGNAL LINE
PUF	REQ'D UNDERGROUND FIBER OPTIC
TDOT	REQ'D DEPARTMENT OF TRANSPORTATION
POE	REQ'D OVERHEAD ELECTRICAL
PUE	REQ'D UNDERGROUND ELECTRICAL
	REQ'D POWER POLE
	REQ'D GUY ANCHOR
	REQ'D LIGHT POLE
	REQ'D PEDESTRIAN LIGHT
	REQ'D STREET LIGHT
	REQ'D PEDESTRIAN STREET LIGHT

WATER LEGEND

PWM	REQ'D WATER MAIN
PFL	REQ'D FIRE LINE
T.B.	REQ'D THRUST BLOCK

NOTES:

1. SEE SHEET C0.1 FOR ALL APPLICABLE NOTES.

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1" = 20'

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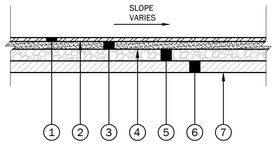
SHEET TITLE:
SITE UTILITY PLAN
BASE BID

ALABAMA LICENSED No. 24443 PROFESSIONAL ENGINEER CHRISTOPHER ALLEN HALL 8/31/2026

PROJ. MGR.: CAH
DRAWN: EKH
DATE: AUGUST 31, 2026
REVISIONS

JOB NO. 25-70R
SHEET NO:
C6.0
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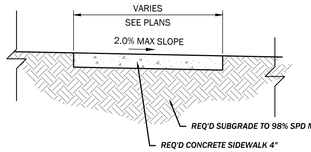
0 1" 2"



1. REQ'D: SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, ½" MAXIMUM AGGREGATE SIZE MIX (ALDOT 424A)(1.5" COMPACTED THICKNESS)
2. REQ'D: TACK COAT (TRACKLESS TACK) (ALDOT 405A)(0.10 GAL/SY)
3. REQ'D: SUPERPAVE BITUMINOUS CONCRETE BINDER UPPER LAYER, 3/4" MAXIMUM AGGREGATE SIZE MIX (ALDOT 424B)(2" COMPACTED THICKNESS)
4. REQ'D: PRIME COAT "A" (ALDOT SECTION 401D)
5. REQ'D: CRUSHED AGGREGATE STONE BASE COURSE (ALDOT 825B)(6" COMPACTED THICKNESS) (COMPACTED TO 100% ASTM D 698)
6. REQ'D: SUBGRADE, COMPACTED TO 98% ASTM D 698)
7. REQ'D: UNCLASSIFIED/BORROW EXCAVATION (COMPACTED TO 98% ASTM D 698)

TYPICAL ASPHALT PAVEMENT (STANDARD DUTY)

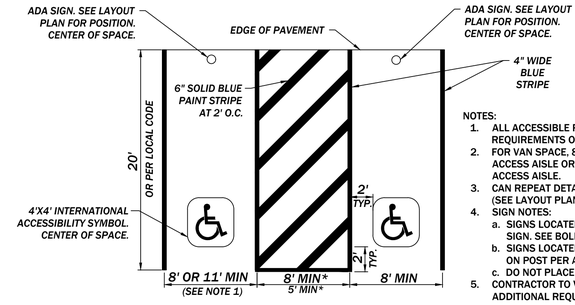
NOT TO SCALE



NOTES:
1. EXPANSION JT. REQ'D. @ 40' MAX. INTERVALS BUT NOT LESS THAN 30' WITH EXPANSION JOINT MATERIAL.
2. CONTRACTION JOINTS SHALL BE HAND-TOOLED ONLY IN LOCATIONS AS INDICATED BY THE SCORING PATTERN SHOWN IN THE CONSTRUCTION PLANS. JOINTS SHALL BE INSTALLED AT A DEPTH OF 1/4 THICKNESS OF THE SLAB MIN. NO SAW-CUT OF JOINTS IS ALLOWED.
3. SIDEWALKS SHALL HAVE AN EXPANSION JOINT INSTALLED IN ALL LOCATIONS WHERE NEW IMPROVEMENTS MEET EXISTING INFRASTRUCTURE.
4. SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.
5. THE CONTRACTOR SHALL PROVIDE 3 MOCKUP PANELS (AT MINIMUM 3' X 3' IN SIZE) THAT HE FLOATS LIGHT BROOM, MEDIUM BROOM, AND HEAVY BROOM. THE OWNER WILL CHOOSE THE FINISH THEY DESIRE FOR THE PROJECT AND THE CONTRACTOR WILL PROCEED AS DIRECTED.
6. EXPANSION JOINT MATERIAL SHALL BE PUSHED DOWN 1/8" FROM TOP OF SIDEWALK.
7. EXPANSION JOINT MATERIAL SHALL BE CONTINUOUS THROUGH THE OVERALL DEPTH OF THE SIDEWALK.

CONCRETE SIDEWALK

NOT TO SCALE



NOTES:
1. ALL ACCESSIBLE PARKING AND ROUTES TO CONFORM TO THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT.
2. FOR VAN SPACE, 8' MINIMUM SPACE WITH 8' MINIMUM ACCESS AISLE OR 11' MINIMUM SPACE WITH 5' MINIMUM ACCESS AISLE.
3. CAN REPEAT DETAIL IF ADDITIONAL SPACES ARE REQUIRED. (SEE LAYOUT PLAN).
4. SIGN NOTES:
   a. SIGNS LOCATED IN PAVEMENT SHALL BE BOLLARD TYPE SIGN. SEE BOLLARD MOUNTED ACCESSIBLE SIGN DETAIL.
   b. SIGNS LOCATED BEYOND PAVEMENT SHOULD BE MOUNTED ON POST PER ACCESSIBLE SIGN DETAIL.
   c. DO NOT PLACE SIGNS WITHIN THE ACCESSIBLE ROUTE
5. CONTRACTOR TO VERIFY WITH LOCAL CODES FOR ANY ADDITIONAL REQUIREMENTS.

** 8' VAN ACCESSIBLE SPACE SHOWN. SEE NOTE 2.*

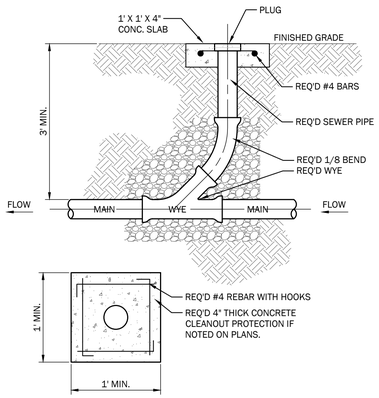
ACCESSIBLE PARKING

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NEW GYMNASIUM FOR
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142 SCHOOL STREET, OAKMAN, ALABAMA 35579
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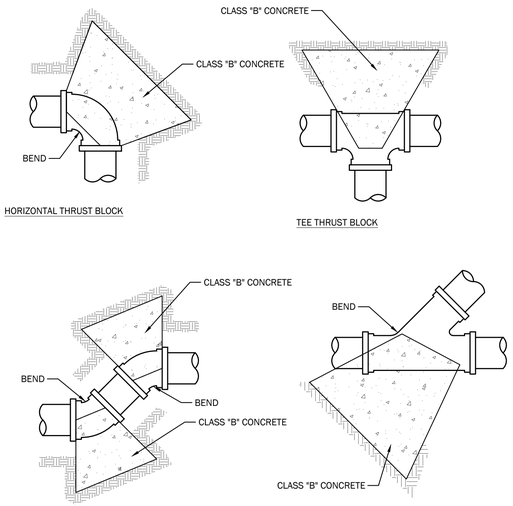


CLEANOUT PROTECTION DETAIL

NOTES:
1. CLEANOUT CONCRETE PROTECTION SHALL BE USED AS NOTED ON THE PLANS.
2. CLEANOUTS LOCATED IN PAVED AREAS (SIDEWALK, ROADWAYS, ETC.) SHALL HAVE TRAFFIC RATED TOPS.

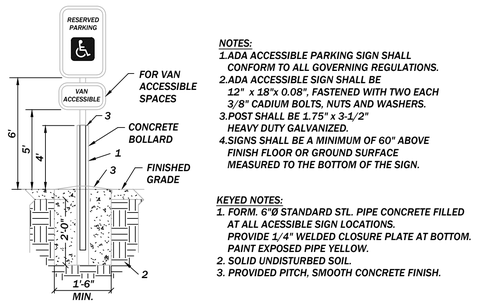
CLEANOUT DETAIL

NOT TO SCALE



THRUST BLOCK DETAILS

NOT TO SCALE

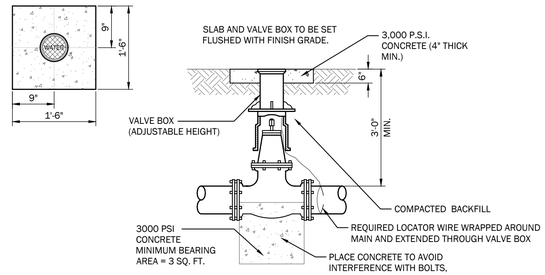


NOTES:
1. *ADA ACCESSIBLE PARKING SIGN SHALL CONFORM TO ALL GOVERNING REGULATIONS.*
2. *ADA ACCESSIBLE SIGN SHALL BE 12" x 18"x 0.08", FASTENED WITH TWO EACH 3/8" CADIUM BOLTS, NUTS AND WASHERS.*
3. *POST SHALL BE 1.75" x 3-1/2" HEAVY DUTY GALVANIZED.*
4. *SIGNS SHALL BE A MINIMUM OF 60" ABOVE FINISH FLOOR OR GROUND SURFACE MEASURED TO THE BOTTOM OF THE SIGN.*

KEYED NOTES:
1. *FORM. 6"Ø STANDARD STL. PIPE CONCRETE FILLED AT ALL ACESSIBLE SIGN LOCATIONS. PROVIDE 1/4" WELDED CLOSURE PLATE AT BOTTOM. PAINT EXPOSED PIPE YELLOW.*
2. *SOLID UNDISTURBED SOIL.*
3. *PROVIDED PITCH, SMOOTH CONCRETE FINISH.*

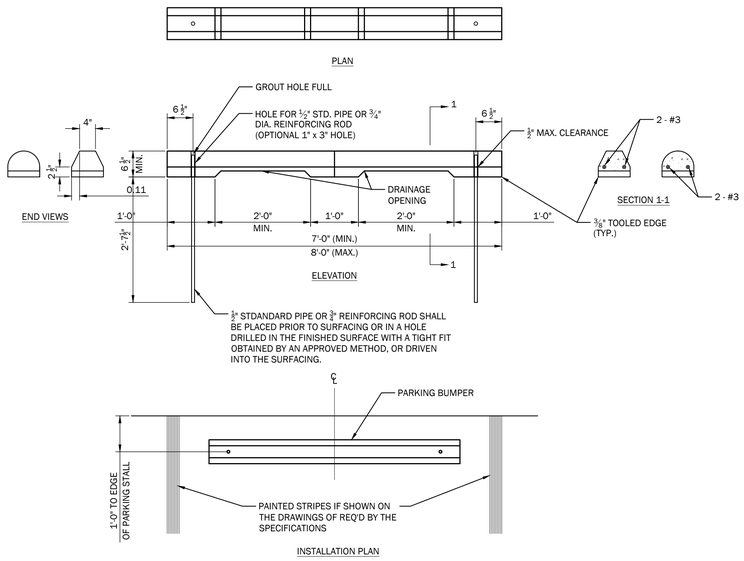
BOLLARD MOUNTED ADA ACCESSIBLE SIGN

NOT TO SCALE



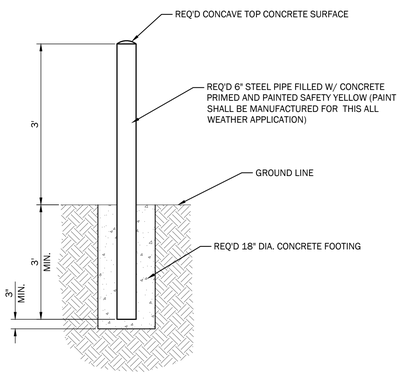
GATE VALVE AND BOX DETAIL

NOT TO SCALE



PRECAST CONCRETE PARKING BUMPER

NOT TO SCALE



STATIONARY BOLLARD

NOT TO SCALE

SHEET TITLE:
CIVIL DETAILS

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 24443 CHRISTOPHER ALLEN BELL 8/31/2026

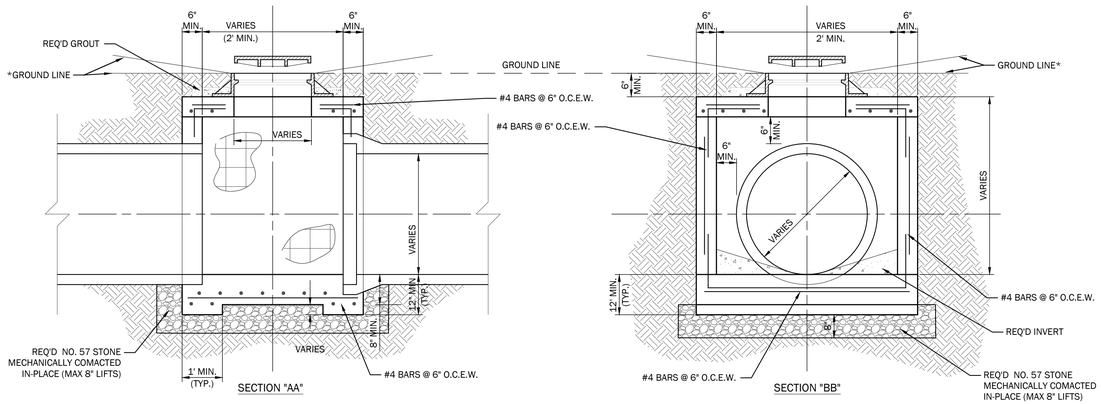
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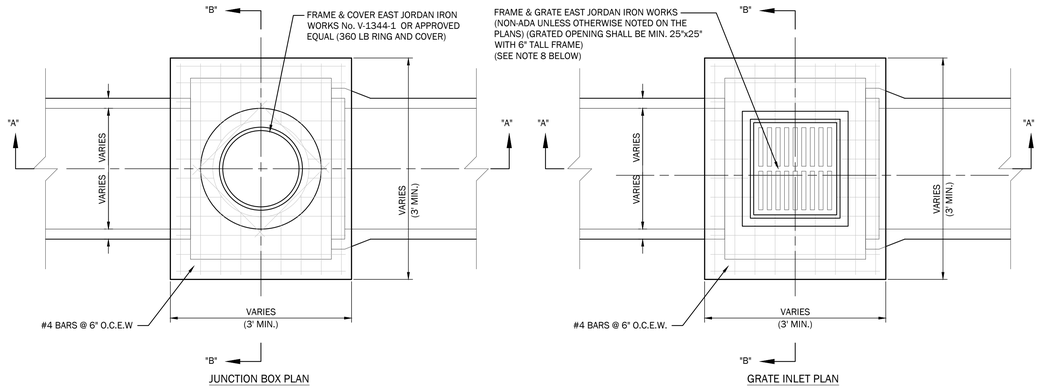
JOB NO. 25-70R

SHEET NO:
C7.0

16 OF 18

0 1" 2"



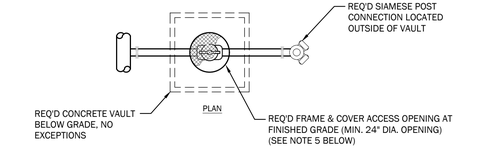


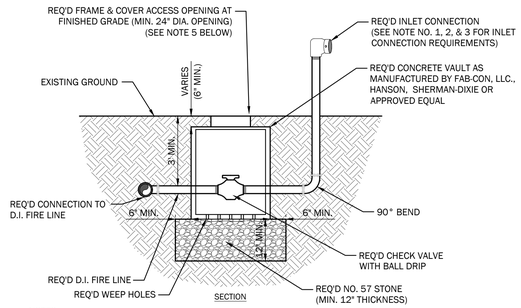
NOTES FOR ALL CONCRETE STORM DRAIN STRUCTURES:

1. USE MIN. 3000 P.S.I. CONCRETE AND DEFORMED REINFORCING STEEL TO CONSTRUCT THIS ITEM.
2. SHAPE BOTTOM TO FLOW LINE OF PIPES.
3. STEPS ARE REQUIRED FOR ALL STRUCTURES OVER 4 FEET IN DEPTH MEASURED FROM TOP OF BOX TO INVERT OUT. STEP SPACING SHALL BE AS DIRECTED BY THE ENGINEER.
4. ALL CONCRETE BOXES SHALL INCLUDE FORMED INVERTS AND RING AND COVERS OF THE TYPE SPECIFIED.
*5. GROUND LINE SHALL BE SLOPED TOWARD GRATE INLET TOP. GROUND LINE SHALL BE SLOPED AWAY FROM JUNCTION BOX TOP.
6. THE CONTRACTOR SHALL REFER TO SPECIAL DRAWING NO. JB-620-B OF THE ALDOT SPECIAL AND STANDARD DRAWINGS, LATEST EDITION, FOR DIMENSIONS AND OTHER INFORMATION NECESSARY TO CONSTRUCT THIS ITEM.
7. WHEN INSTALLING A SOLID TOP FOR JUNCTION BOX OR HOLED TOP FOR GRATE INLET ON AN EXISTING STRUCTURE, THE CONTRACTOR SHALL DOWEL INTO THE TOP OF THE EXISTING STRUCTURE WALLS WITH 12" LONG #5 BARS AT 6" O.C. ALONG THE PERIMETER OF THE STRUCTURE TO ATTACH THE NEW TOP. THE CONTRACTOR SHALL APPLY AN APPROVED EPOXY FOR THE DOWEL INSTALLATIONS. THE TOP REINFORCEMENTS SHALL THEN BE TIED TO THESE DOWELS. PREPARATION OF THE EXISTING CONCRETE SHALL FOLLOW THE CONCRETE SPECIFICATIONS.
8. FRAME SHALL BE EJIW MODEL V5626-2 & GRATE SHALL BE EJIW MODEL V5726, OR APPROVED EQUAL.
9. IF THE CONTRACTOR CHOOSES TO USE A STANDARD PRECAST MANHOLE FOR THE DRAINAGE STRUCTURE, THEN HE SHALL REFERENCE THE STANDARD PRECAST MANHOLE DETAIL FOR ALL REQUIREMENTS.

JUNCTION BOX & GRATE INLET

NOT TO SCALE



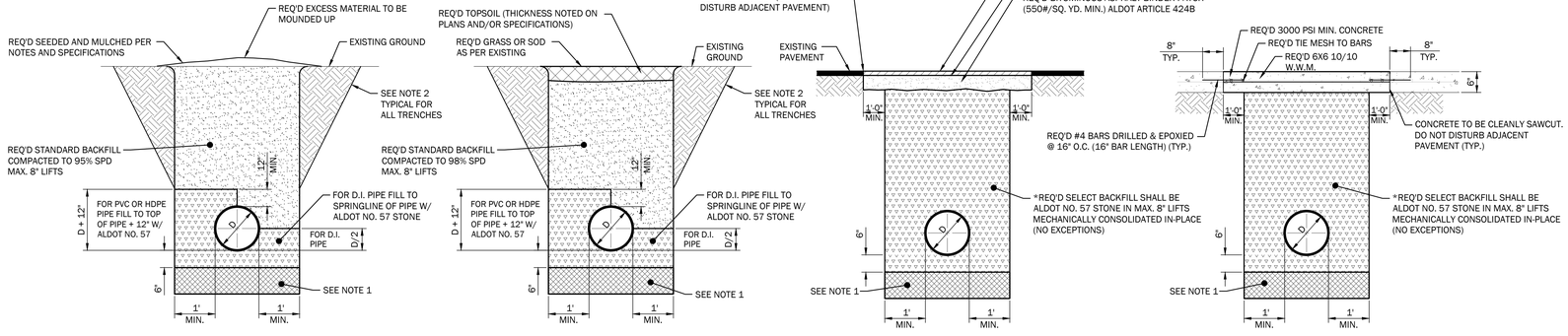


NOTES:

1. FIRE DEPARTMENT INLET CONNECTION THREADS SHALL BE TYPE NST.
2. FIRE DEPARTMENT INLET CONNECTION SHALL BE COVERED WITH BRASS PLUGS WHICH ARE CONNECTED TO THE INLET WITH CHAINS.
3. CONTRACTOR SHALL COORDINATE ALL FIRE DEPARTMENT CONNECTION SPECIFICS WITH THE LOCAL FIRE DEPARTMENT.
4. FIRE DEPARTMENT CONNECTION VAULT SHALL BE A REINFORCED CONCRETE VAULT AS MANUFACTURED BY FAB-CON, LLC OR APPROVED EQUAL.
5. THE FIRE DEPARTMENT CONNECTION VAULT SHALL HAVE A FRAME AND COVER ACCESS OPENING AS MANUFACTURED BY EAST JORDAN IRON WORKS. FRAME MODEL NO. 1045 AND COVER MODEL NO. 1040, SOLID TOP MARKED "WATER", OR APPROVED EQUAL.
6. THE SIAMESE POST SHALL BE INSTALLED IN THE VEGETATED AREA AND NOT OUT OF THE CONCRETE FIRE DEPARTMENT VAULT. THE VAULT SIZE SHALL BE AS SMALL AS NECESSARY TO INCREASE THE LANDSCAPED AREAS.
7. THE CHECK VALVE WITH BALL DRIP SHALL BE LOCATED IN THE CONCRETE VAULT ONLY. THE CONCRETE VAULT SHALL BE LOCATED AT THE LOW POINT OF THE SYSTEM.
8. SEE THRUST BLOCKING DETAILS AND NOTES FOR THRUST BLOCK REQUIREMENTS.

REMOTE FIRE DEPARTMENT CONNECTION DETAIL

NOT TO SCALE



TRENCH DETAILS - GRAVITY PIPE (SANITARY AND STORM)

NOT TO SCALE

TRENCH DETAIL NOTES

1. TRENCH FOUNDATION REQUIRED IF DIRECTED BY THE ENGINEER, DEPTH VARIES.
2. THERE IS NO ADDITIONAL PAY FOR TRENCH LAY BACK, BENCHING, SHORING, TRENCH BOXES, ETC. THIS IS CONSIDERED A SUBSIDIARY OBLIGATION TO THE UTILITY INSTALLATION.
*3. THE CONTRACTOR SHALL MECHANICALLY CONSOLIDATE ALL STONE BACKFILL IN MAXIMUM 8" LIFTS AS NOTED. FAILURE TO DO SO SHALL RESULT IN THE STONE BEING REMOVED/REINSTALLED AT THE CONTRACTOR'S EXPENSE OR ONLY PARTIAL PAYMENT BEING MADE FOR THE BID ITEM. STONE SHALL BE PLACED IN APPROPRIATE THICKNESS AND COMPACTED IN THE FOLLOWING SEQUENCE:
   (1) BEDDING (6" MIN.)
   (2) SPRINGLINE OF PIPE
   (3) ONE FOOT ABOVE TOP OF PIPE
   (4) 8" LIFTS FOR REMAINING TRENCH DEPTH
4. UNIMPROVED AREAS SHALL BE CONSIDERED AREAS WHERE NO PREVIOUS DEVELOPMENT HAS OCCURRED AND THE AREA IS NOT MAINTAINED REGULARLY SUCH AS A WOODED/FORESTED AREA OR OPEN FIELD.
5. IMPROVED AREAS OR LAWNS SHALL BE CONSIDERED AREAS WHERE REGULAR MAINTENANCE OCCURS SUCH AS IN PUBLIC RIGHT-OF-WAYS AND ON PRIVATE PROPERTIES. SETTLEMENT OF ANY KIND IN THESE AREAS IS UNACCEPTABLE AND MAXIMUM EFFORT SHALL BE GIVEN TO ENSURE THE IMPROVED/LANDSCAPE AREAS ARE RETURNED TO THEIR PREVIOUS STATE, UNLESS FURTHER IMPROVED BY THE PROJECT.
6. PAVEMENT AREAS (ASPHALT OR CONCRETE) SHALL BE CONSIDERED ANY ROADWAY, DRIVE, SIDEWALK, PAVERS, PARKING LOT, ETC. WHERE THE EXISTING OR FINAL FINISH GRADE IS AN ASPHALT OR CONCRETE SURFACE.
7. THE OWNER'S REPRESENTATIVE'S DETERMINATION OF WHAT IS AN UNIMPROVED AREA, IMPROVED AREA, OR PAVEMENT AREA IS FINAL. IF THE CONTRACTOR IS UNSURE OF WHERE UNIMPROVED , IMPROVED, OR PAVED AREAS ARE LOCATED ON A PROSPECTIVE PROJECT, THEN THEY SHALL REQUEST CLARIFICATION DURING THE BIDDING OF THE PROJECT. THERE SHALL BE NO CLAIMS CONSIDERED AFTER THE PROJECT HAS BEEN BID.
8. IN AREAS OF EXISTING PAVEMENT, THE TRENCH SHALL BE BACKFILLED COMPLETELY WITH STONE AS SHOWN ON THE EXISTING PAVEMENT TRENCH DETAILS. THESE AREAS INCLUDE CROSSING OF EXISTING ROADWAYS, PARKING LOTS, SIDEWALKS, ETC., AND ARE AREAS WHERE EXCAVATED WIDTHS DO NOT ALLOW FOR COMPACTION AND TESTING OF STANDARD BACKFILL. THESE CONFINED AREAS TYPICALLY CANNOT BE BENCHED BACK AND REQUIRE TALLER TRENCH BOXES TO MAINTAIN OSHA REQUIREMENTS.

   IN THE EVENT THAT THE EXISTING PAVEMENT AREA IS BEING COMPLETELY REMOVED TO A LIMIT THAT PROVIDES SUFFICIENT SPACE TO ALLOW PROPER VIBRATORY EQUIPMENT AND, IF NECESSARY, BENCHING OF SIDE SLOPES AS REQUIRED IN THE PROJECT EARTHWORK SPECIFICATIONS (BENCHING IS REQUIRED ON SLOPES GREATER THAN 4:1 SLOPE), THEN THE CONTRACTOR MAY FOLLOW THE TRENCH DETAIL FOR PAVED AREAS (NEW CONSTRUCTION). THIS DETAIL ALLOWS FOR THE USE OF EARTHEN BACKFILL AND WOULD ALSO REQUIRE THE CONTRACTOR TO ALLOW SUFFICIENT WIDTH THAT THE OWNER'S GEOTECHNICAL REPRESENTATIVE COULD TAKE PERIODIC COMPACTION TESTS. IF THE CONTRACTOR IS UNSURE OF WHERE STONE OR EARTHEN BACKFILL IS TO BE INSTALLED ON A PROSPECTIVE PROJECT, THEN THEY SHALL REQUEST CLARIFICATION DURING THE BIDDING OF THE PROJECT. THERE SHALL BE NO CLAIMS CONSIDERED AFTER THE PROJECT HAS BEEN BID.

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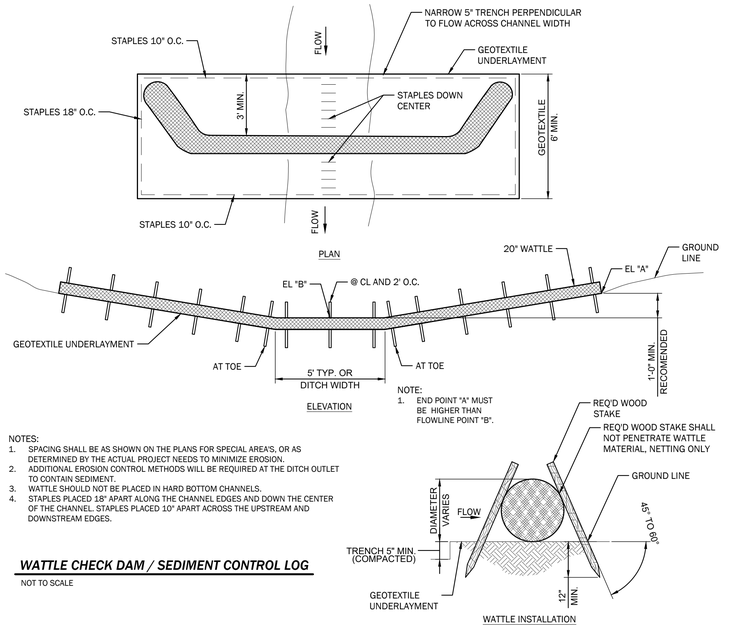
SHEET TITLE:
CIVIL DETAILS

ALABAMA LICENSED
No. 24443
PROFESSIONAL ENGINEER
CHRISTOPHER ALLEN HESS
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PROJ. MGR.: CAH
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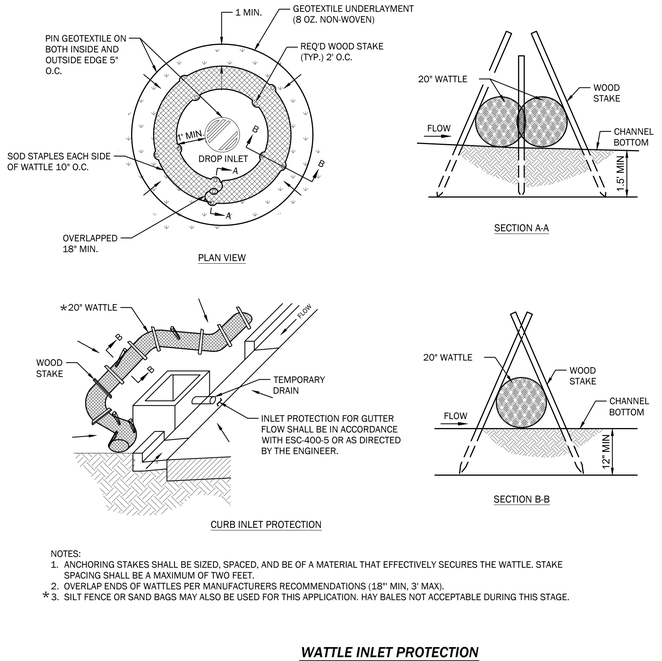
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NOTES:
1. SPACING SHALL BE AS SHOWN ON THE PLANS FOR SPECIAL AREA'S, OR AS DETERMINED BY THE ACTUAL PROJECT NEEDS TO MINIMIZE EROSION.
2. ADDITIONAL EROSION CONTROL METHODS WILL BE REQUIRED AT THE DITCH OUTLET TO CONTAIN SEDIMENT.
3. WATTLE SHOULD NOT BE PLACED IN HARD BOTTOM CHANNELS.
4. STAPLES PLACED 18" APART ALONG THE CHANNEL EDGES AND DOWN THE CENTER OF THE CHANNEL. STAPLES PLACED 10" APART ACROSS THE UPSTREAM AND DOWNSTREAM EDGES.

WATTLE CHECK DAM / SEDIMENT CONTROL LOG

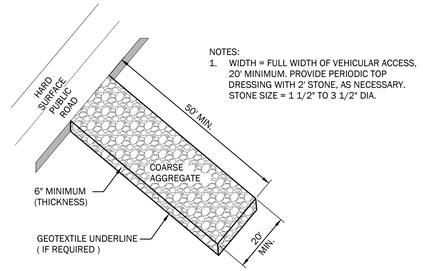
NOT TO SCALE



NOTES:
1. ANCHORING STAKES SHALL BE SIZED, SPACED, AND BE OF A MATERIAL THAT EFFECTIVELY SECURES THE WATTLE. STAKE SPACING SHALL BE A MAXIMUM OF TWO FEET.
2. OVERLAP ENDS OF WATTLES PER MANUFACTURERS RECOMMENDATIONS (18" MIN, 3' MAX).
*3. SILT FENCE OR SAND BAGS MAY ALSO BE USED FOR THIS APPLICATION. HAY BALES NOT ACCEPTABLE DURING THIS STAGE.

WATTLE INLET PROTECTION

NOT TO SCALE

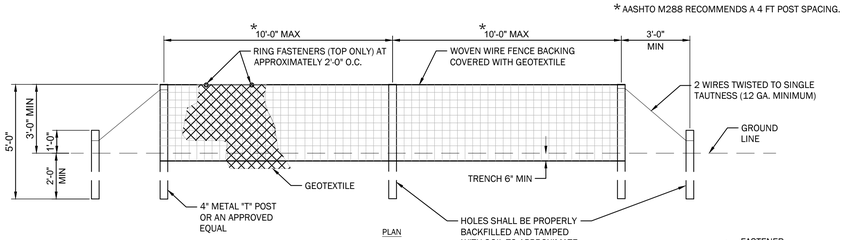


NOTES:
1. WIDTH = FULL WIDTH OF VEHICULAR ACCESS, 20' MINIMUM. PROVIDE PERIODIC TOP DRESSING WITH 2' STONE, AS NECESSARY. STONE SIZE = 1 1/2" TO 3 1/2" DIA.

CONSTRUCTION ENTRANCE/EXIT PAD

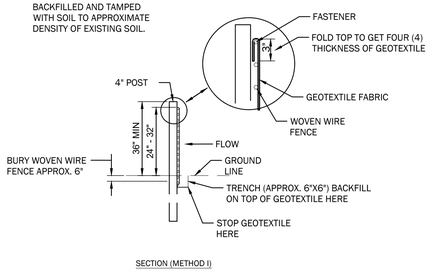
NOT TO SCALE

* AASHTO M288 RECOMMENDS A 4 FT POST SPACING.



NOTES:

1. SILT FENCES ARE TEMPORARY EROSION CONTROL ITEMS, THAT SHALL BE ERECTED OPPOSITE ERODIBLE AREAS SUCH AS NEWLY GRADED FILL SLOPES AND ADJACENT TO STREAMS AND CHANNELS.
2. SILT FENCE SHOULD BE PLACED WELL INSIDE RIGHT OF WAY AND ALONG EDGE OF CLEARING LIMITS, THIS WILL ALLOW ROOM FOR A BACK UP FENCE IF FIRST BECOMES FULL. SILT FENCES SHALL BE IN PLACE PRIOR TO ANY CONSTRUCTION OPERATION.
3. WHEREVER POSSIBLE SILT FENCES SHALL BE CONSTRUCTED ACROSS A FLAT AREA IN THE SHAPE OF A HORSESHOE. THIS AIDS IN PONDING OF RUNOFF AND FACILITATES SEDIMENTATION.
4. AFTER THE CONSTRUCTION AREA IS STABILIZED AND EROSION ACTIVITY CURTAILED, SILT FENCES SHALL BE REMOVED.
5. RING FASTENERS USED TO SECURE GEOTEXTILES TO WOVEN WIRE SHALL BE 13 GA. (AMERICAN).
6. IF WOOD POSTS ARE USED, STAPLES FOR SECURING WOVEN WIRE TO POSTS SHALL BE (9) GAUGE, GALVANIZED, 1-1/2" LONG, 5 PER POST AT APPROX. 1'-0" O.C.
7. WOVEN WIRE TO BE 14 GAUGE (MIN.), 6"X6".
8. MACHINE TRENCHED GEOTEXTILE SHAL BE TRENCHED VERTICAL AT LEAST 8" DEEP.
9. FOR J-HOOK APPLICATION AND INTERCEPTED FLOW PERPENDICULAR TO THE SLOPE CAUSING CONCENTRATED IMPOUNDMENT, A MAXIMUM POST SPACING SHOULD BE REDUCED TO 5 FT.



SILT FENCE - TYPE "A"

NOT TO SCALE

TTL
Job No.: 251103068
10 Inverness Center Parkway, Suite 350
Birmingham, AL 35242
205.539.0384 | www.ttlusa.com

LATHAN McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

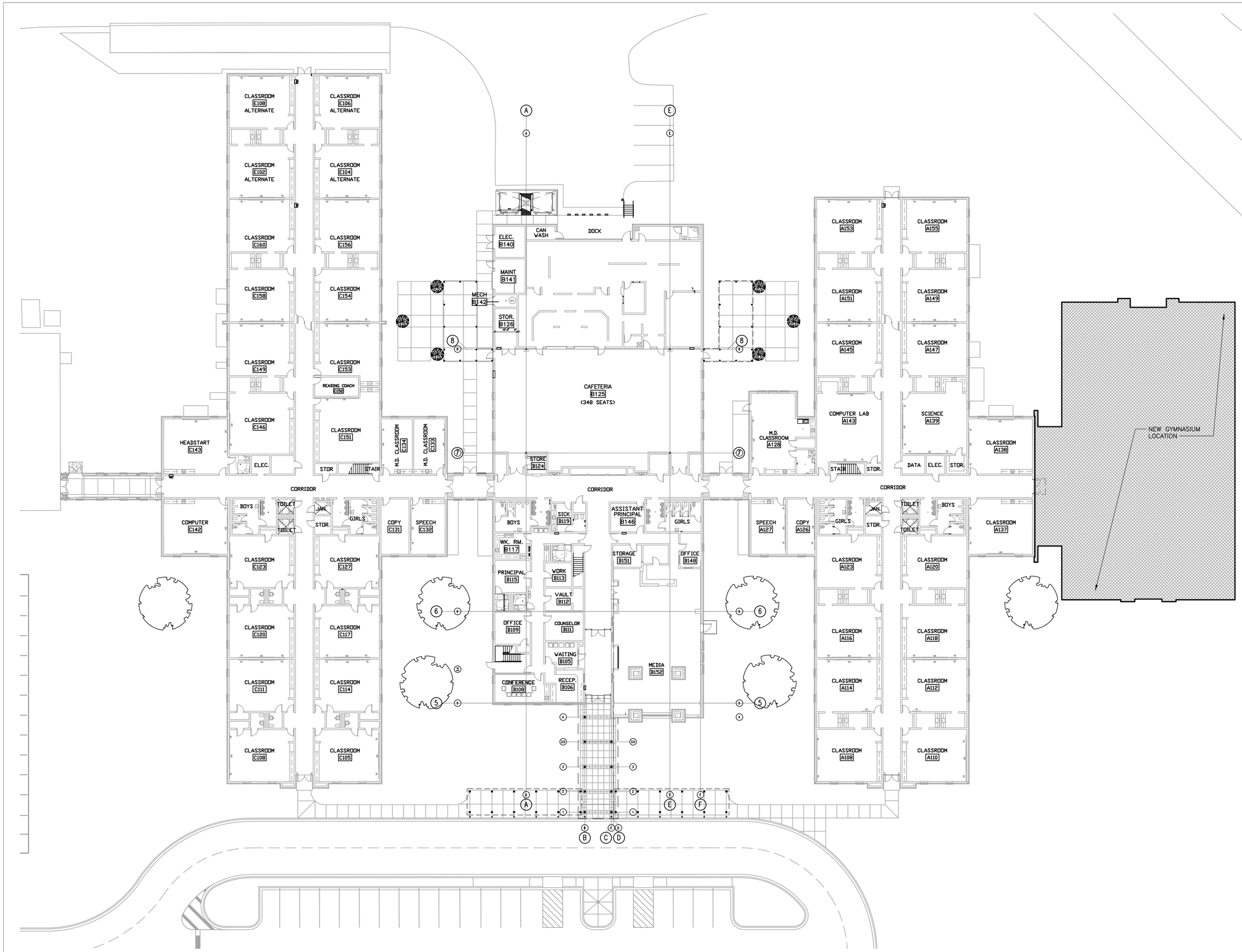
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CIVIL DETAILS

ALABAMA LICENSED PROFESSIONAL ENGINEER CHRISTOPHER ALLEN KEITH No. 24443 8/31/2026

PROJ. MGR.: CAH
DRAWN: EKH
DATE: AUGUST 31, 2026
REVISIONS

JOB NO. 25-70R
SHEET NO:
C7.2
18 OF 18

0 1" 2"



1 EXISTING SITE PLAN

SCALE: 1" = 20'-0"

LATHAN McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

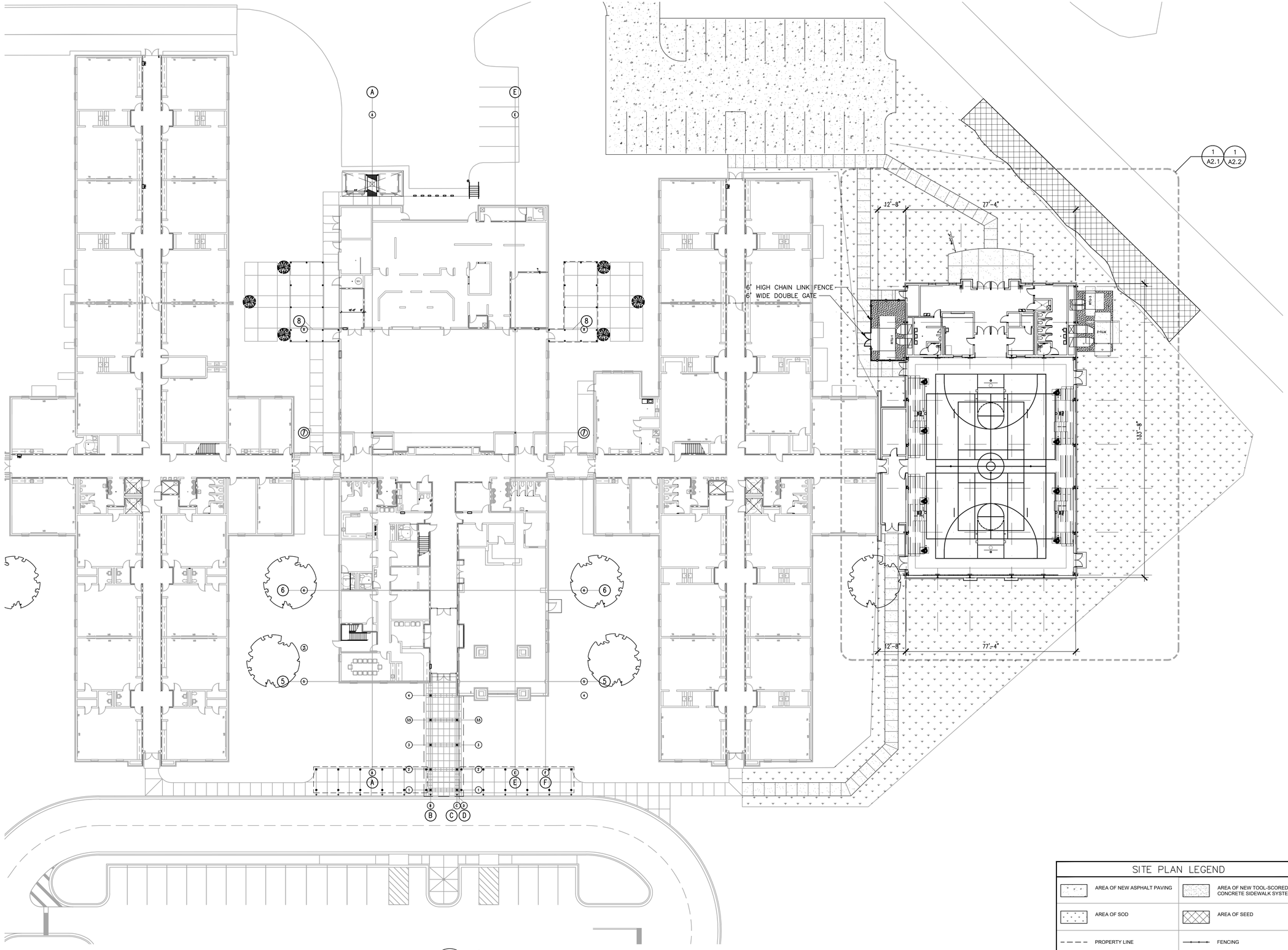
SHEET TITLE:
EXISTING SITE PLAN

STATE OF ALABAMA
No. 7007
RYAN D. VERNON
REGISTERED ARCHITECT

PROJ. MGR.: H. RASCO
DRAWN: ELM
DATE: AUGUST 31, 2026
REVISIONS

JOB NO. 25-70R
SHEET NO:
A1.0
1 OF 27

0 1" 2"



1 ARCHITECTURAL SITE PLAN

SCALE: 1" = 20'-0"

SITE PLAN LEGEND	
AREA OF NEW ASPHALT PAVING	AREA OF NEW TOOL-SCORED CONCRETE SIDEWALK SYSTEM
AREA OF SOD	AREA OF SEED
PROPERTY LINE	FENCING

LATHAN McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
ARCHITECTURAL SITE PLAN

STATE OF ALABAMA
No. 7007
RYAN D. VERNON
REGISTERED ARCHITECT

PROJ. MGR.: H. RASCO
DRAWN: ELM

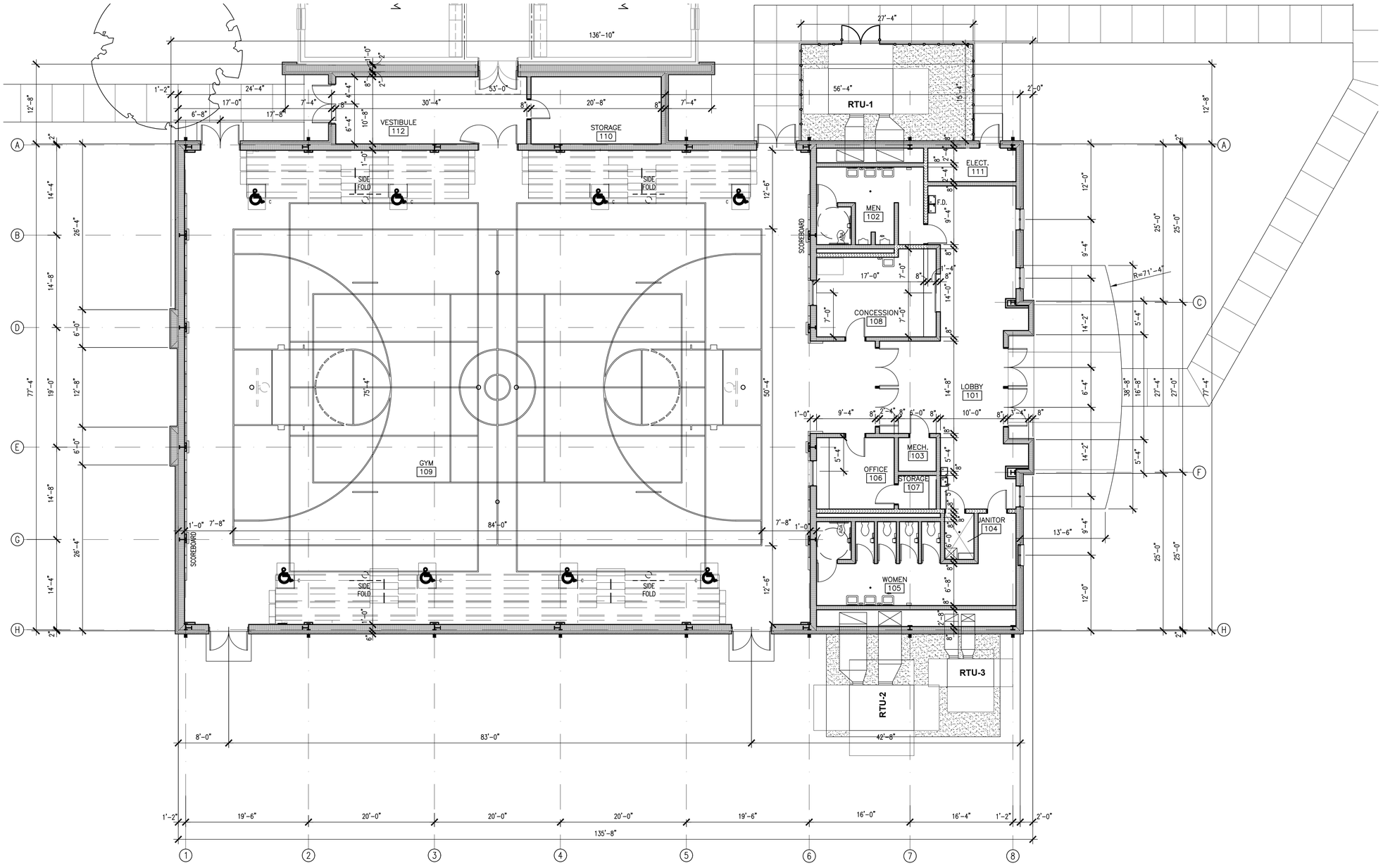
DATE: AUGUST 31, 2026

REVISIONS

JOB NO. 25-70R

SHEET NO:
A1.1
2 OF 27

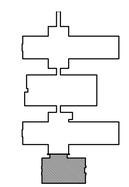
0 1" 2"



1 MAIN LEVEL FLOOR DIMENSION PLAN

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

WALL TYPE LEGEND	
EXTERIOR WALL	NEW 4" BRICK VENEER W/ AIR SPACE AND RIGID INSULATION ON REINFORCED CMU WITH DAMPPROOFING, PROVIDE BRICK WALL TIES @ 16" O.C.
CMU WALL	8" OR 12" CONCRETE MASONRY WALL SEE PLAN FOR WALL WIDTH CHANGES SEE LIFE SAFETY PLAN FOR FIRE RATING
SOUND ATTENUATION PARTITION	8" OR 12" CONCRETE MASONRY WALL WITH SOUND ATTENUATION



KEY PLAN

SCALE: N.T.S.

LATHAN ▪ McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

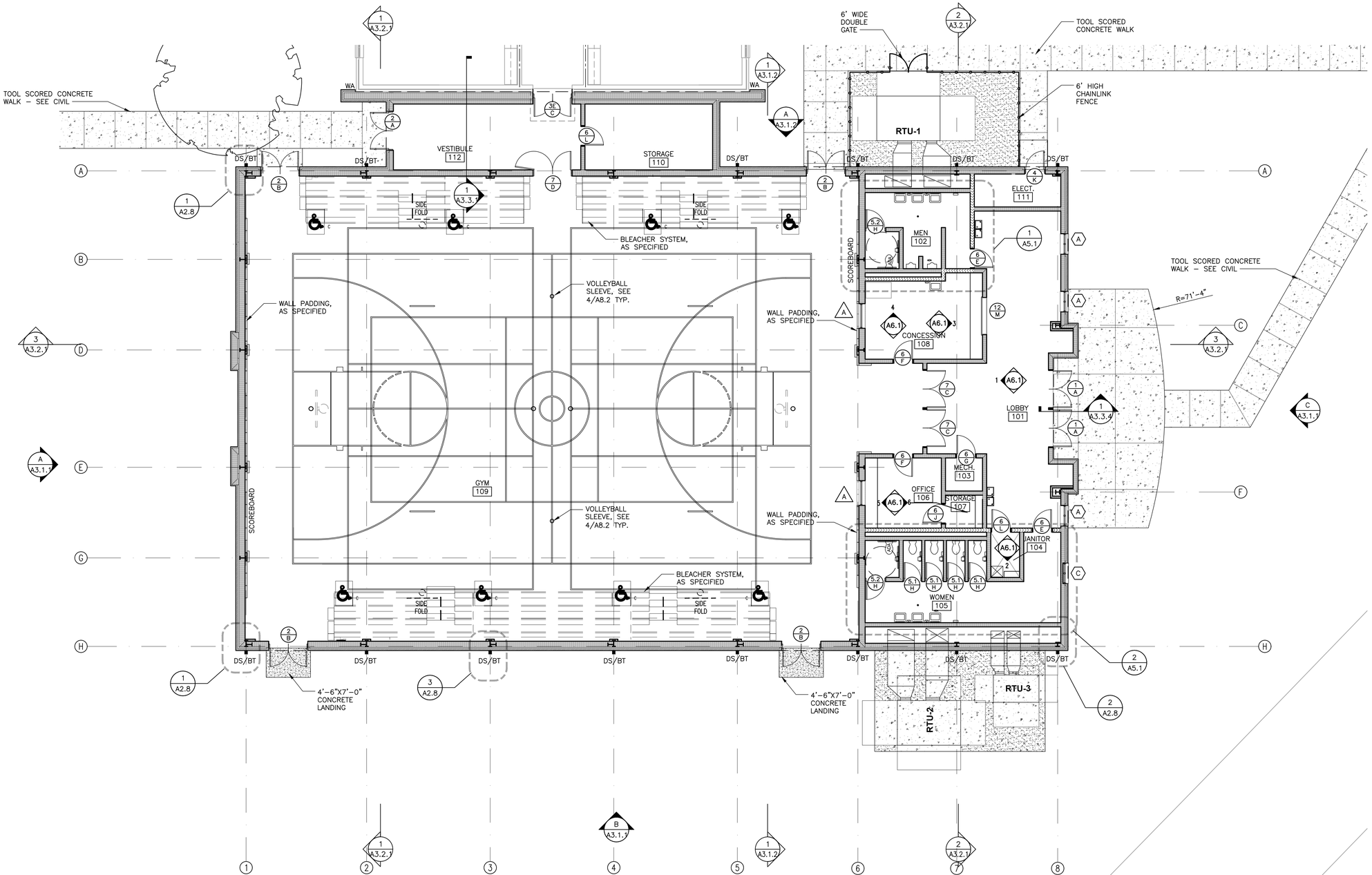
SHEET TITLE:
MAIN LEVEL FLOOR DIMENSION PLAN

STATE OF ALABAMA
No. 7007
RYAN D. VERNON
REGISTERED ARCHITECT

PROJ. MGR.: H. RASCO
DRAWN: ELM
DATE: AUGUST 31, 2026
REVISIONS

JOB NO. 25-70R
SHEET NO:
A2.1
3 OF 27

0 1" 2"

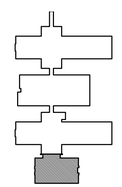


1 MAIN LEVEL FLOOR SYMBOL PLAN

1/8" = 1'-0"

WALL TYPE LEGEND

EXTERIOR WALL	NEW 4" BRICK VENEER W/ AIR SPACE AND RIGID INSULATION ON REINFORCED CMU WITH DAMPPROOFING, PROVIDE BRICK WALL TIES @ 16" O.C.
CMU WALL	8" OR 12" CONCRETE MASONRY WALL SEE PLAN FOR WALL WIDTH CHANGES SEE LIFE SAFETY PLAN FOR FIRE RATING
SOUND ATTENUATION PARTITION	8" OR 12" CONCRETE MASONRY WALL WITH SOUND ATTENUATION



KEY PLAN

SCALE: N.T.S.

LATHAN ▪ McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

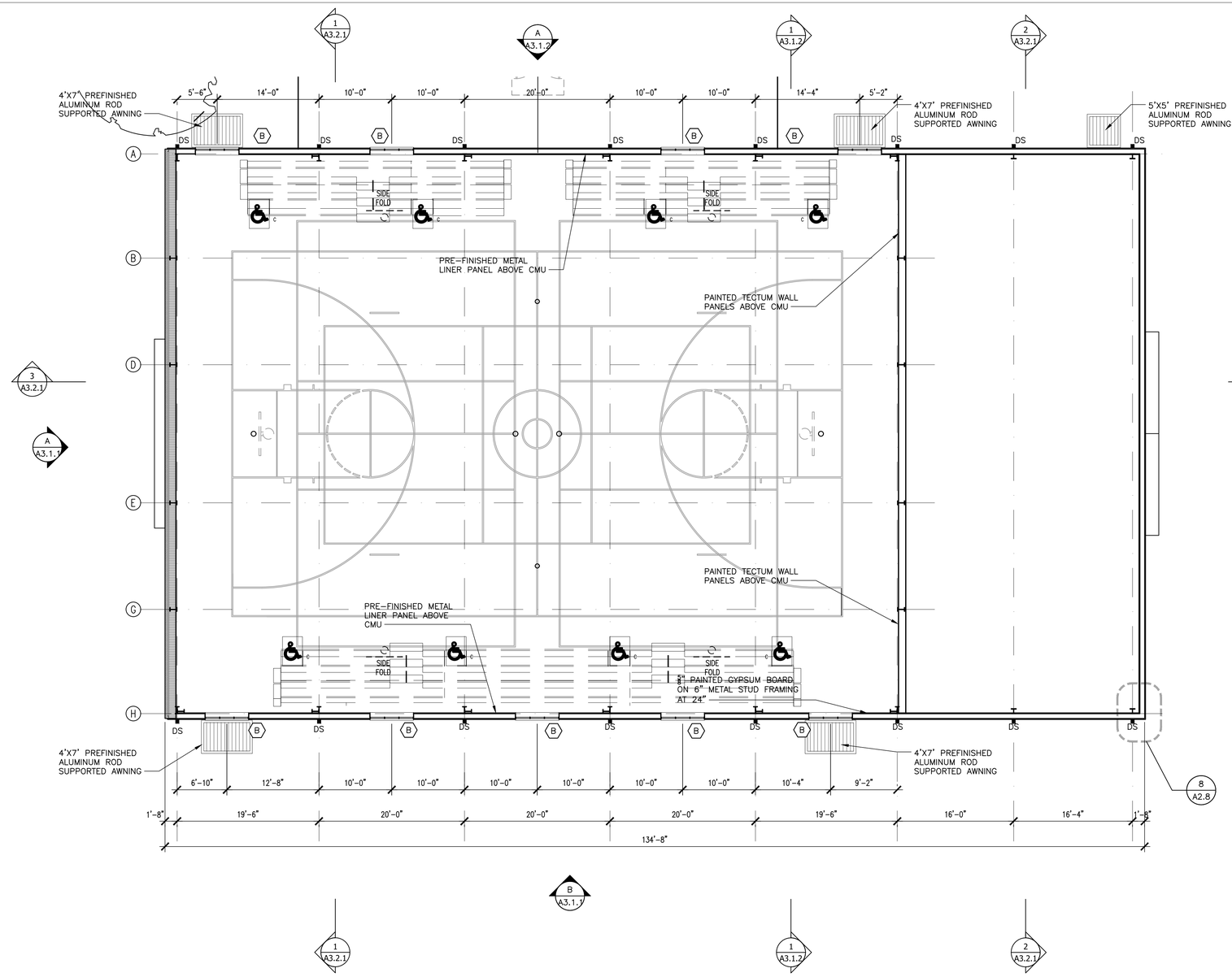
SHEET TITLE:
MAIN LEVEL FLOOR SYMBOL PLAN

STATE OF ALABAMA
No. 7007
RYAN D. VERNON
REGISTERED ARCHITECT

PROJ. MGR.: H. RASCO
DRAWN: ELM
DATE: AUGUST 31, 2026
REVISIONS

JOB NO. 25-70R
SHEET NO:
A2.2
4 OF 27

0 1" 2"



1 UPPER LEVEL PLAN

1/8" = 1'-0"

LATHAN McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
UPPER LEVEL PLAN

STATE OF ALABAMA
No. 7007
RYAN D. VERNON
REGISTERED ARCHITECT

PROJ. MGR.: H. RASCO
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DATE: AUGUST 31, 2026
REVISIONS

JOB NO. 25-70R
SHEET NO:
A2.3
5 OF 27

0 1" 2"

A SHINGLE ROOF SCOPE OF WORK

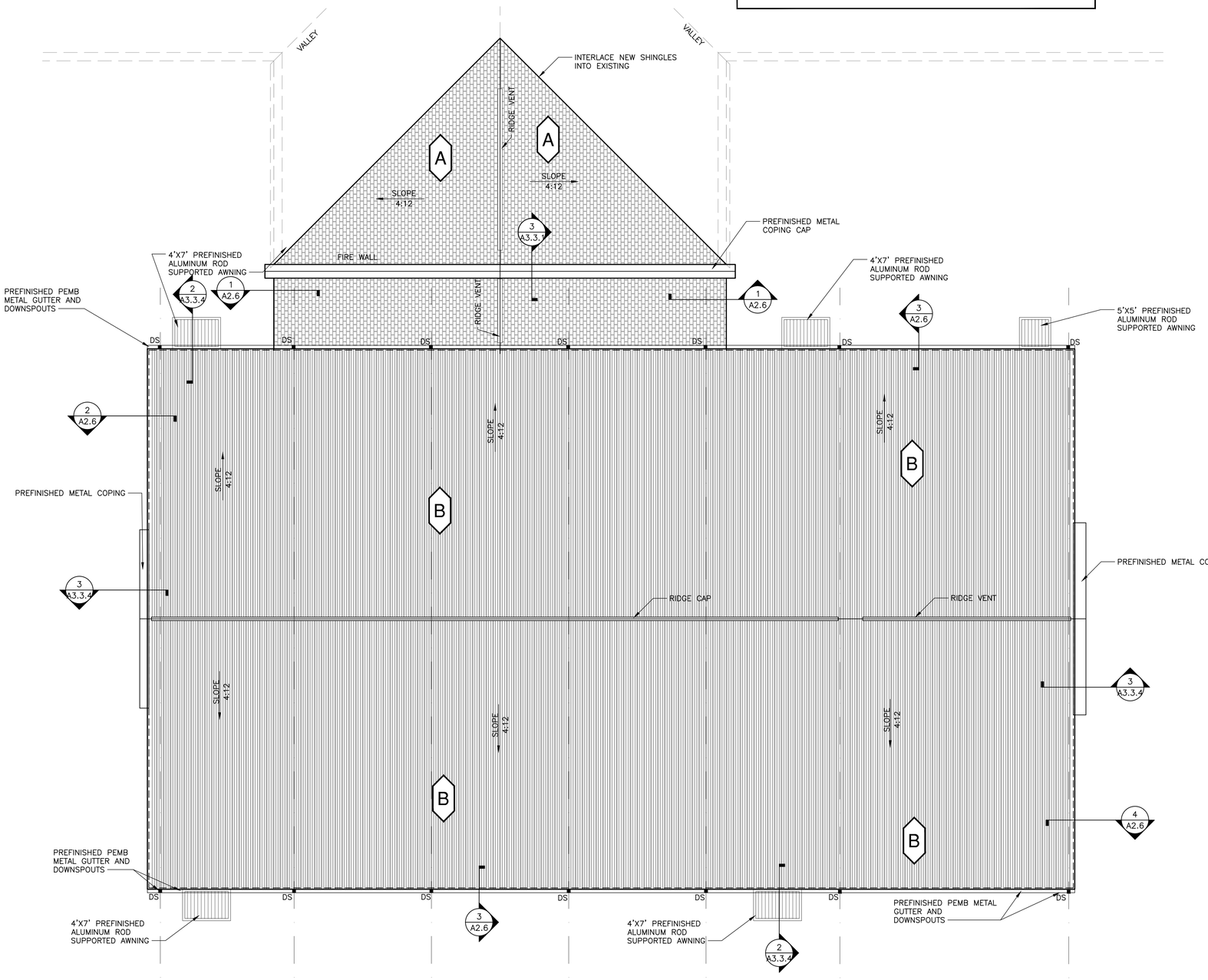
1. INSPECT DECKING AND PREPARE AS REQUIRED TO RECEIVE ROOFING.
2. PROVIDE ICE AND WATER SHIELD IN ALL VALLEYS, PERIMETERS, AND ALONG PARAPET WALLS REGARDLESS OF SLOPE AS INDICATED IN SPECIFICATIONS.
3. PROVIDE UNDERLAYMENT AND SHINGLE ROOFING SYSTEM AS SPECIFIED. INSTALLED IN ACCORDANCE WITH SPECIFICATIONS AND MANUFACTURER'S RECOMMENDATIONS.
4. PROVIDE "SHINGLE-OVER" RIDGE VENT SYSTEM AS SPECIFIED.
5. INSURE PERFORATED SOFFIT VENTS ALONG PERIMETER EDGE OF SOFFIT ALLOW FOR VENTING CIRCULATION.
6. FIELD SURVEY GUTTERS TO VERIFY POSITIVE SLOPE TO DOWNSPOUTS; CORRECT AS REQUIRED TO ACHIEVE POSITIVE SLOPE TO DOWNSPOUTS, VERIFY ALL ANCHORS / STRAPS AND RESEAL ALL GUTTER AND DOWNSPOUT JOINTS

B PEMB STANDING SEAM ROOF SCOPE OF WORK

1. PROVIDE ICE AND WATER SHIELD ALONG PARAPET WALLS REGARDLESS OF SLOPE AS INDICATED IN SPECIFICATIONS.
2. PROVIDE INSULATION SYSTEM AND INSTALL PER MANUFACTURER'S RECOMMENDATION.
3. PROVIDE STANDING SEAM ROOFING SYSTEM AS SPECIFIED. INSTALLED IN ACCORDANCE WITH SPECIFICATIONS AND MANUFACTURER'S RECOMMENDATIONS.
4. PROVIDE PREFINISHED METAL FLASHING SYSTEM AT CONNECTOR TO THE EXISTING BUILDING AS REQUIRED.
5. PROVIDE PREFINISHED METAL GUTTERS, RAKE TRIM, DOWNSPOUTS, ETC.

GENERAL ROOF NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO BIDDING.
2. DO NOT SCALE DRAWINGS.
3. CONTRACTOR SHALL FIELD VERIFY QUANTITY, TYPE, AND LOCATION OF ALL ROOF PENETRATIONS PRIOR TO BIDDING.
4. VERIFY ALL BUILDING UTILITIES, PLUMBING & ELECTRICAL SERVING ROOF TOP EQUIPMENT PRIOR TO START OF WORK. SHOULD EXISTING UTILITIES POSE A SAFETY THREAT OR INTERFERE WITH THE PERFORMANCE OF THE WORK, THE CONTRACTOR SHALL TEMPORARILY REMOVE AND REPLACE, IN SCHEDULED COORDINATION WITH THE BUILDING OWNER, TO PROVIDE WORK IN PROXIMITY AND ENDEAVOR TO MINIMZE BUILDING UTILITY DOWN-TIME. ROOF-TOP EQUIPMENT SHALL REMAIN FUNCTIONAL PER ORIGINAL CONDITION UPON COMPLETION OF THE WORK.
5. NEW WORK SHALL ALIGN/ BLEND WITH AND TIE TO EXISTING REMAINING WORK AS IF PROVIDED ORIGINALLY.
6. ALL MATERIALS SHALL BE NEW EXCEPT WHERE NOTED OTHERWISE.
7. DO NOT CONCENTRATE MATERIAL LOADS ON THE EXISTING ROOF.
8. ASSUME THE ADJACENT BUILDING WILL BE OCCUPIED AND MUST BE MAINTAINED OPERATIONAL; MAINTAIN TRAFFIC FLOW AND AVOID DISRUPTIONS TO THE OCCUPANTS DURING THE WORK.
9. DO NOT IMPAIR SCHOOL OPERATIONS WITH ROOFING OPERATION/COORDINATE ANY PLANNED OUTAGES, DO NOT BLOCK EXITS, ETC.
10. ENSURE MINIMUM INTERFERENCE WITH THE DAILY OPERATIONS OF THE FACILITY; MAINTAIN CLEAR EXITS, SIDEWALKS, & DRIVES. REMOVE OR CONTAIN DEBRIS DAILY. COORDINATE TO AVOID DISRUPTION OF THE OCCUPANT'S SPECIAL EVENTS. COORDINATE DELIVERY SCHEDULE TO AVOID TRAFFIC CONFLICT WITH THE OCCUPANTS.
11. PERFORM THE WORK SYSTEMATICALLY AS REQUIRED TO PROTECT EXISTING BUILDING INTERIOR AND CONTENTS FROM WEATHER DAMAGES AND THEFT INTRUSION.
12. MAINTAIN THE EXISTING BUILDING DRIED- IN DAILY AS REQUIRED TO FULLY KEEP RAIN FROM ENTERING, REGARDLESS OF FAVORABLE WEATHER FORECASTS.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WEATHER TIGHTNESS. GC SHALL INSPECT AND ACCEPT ALL SUBSTRATE AND PENETRATION CONDITIONS PRIOR TO COMMENCING WITH REROOFING WORK.
14. DOWNSPOUTS ARE INDICATED ON THE ROOF PLAN IN GENERAL LOCATION, VERIFY QUANTITY AND EXACT LOCATION WITH THOSE INDICATED ON FLOOR PLANS AND ELEVATIONS.
15. PROTECT EXISTING LANDSCAPING AND GROUNDS TO REMAIN.
16. REMOVE AND LEGALLY DISPOSE OF ALL CONSTRUCTION DEBRIS FROM ROOF AND GROUNDS DAILY.
17. PROVIDE CLEAN-UP AND CORRECT ANY DAMAGES TO EXISTING BUILDING AND GROUNDS; MAGNET SWEEP THE GROUNDS THOROUGHLY UPON DEMOLITION AND AGAIN UPON COMPLETION OF WORK.
18. DO NOT STORE MATERIALS ON ROOF.
19. PROVIDE CRICKET ON UP-SLOPE SIDE OF ALL CURBS OVER 30".
20. ALL ROOF PENETRATIONS SHALL BE MADE WEATHERTIGHT WITH SYSTEM COMPATIBLE FLASHING.
21. ALL CURBS ARE MIN. 8" ABOVE ROOFING SYSTEM.



1 ROOF PLAN

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

ROOF LEGEND

DETAIL NUMBER / ROOF DETAIL MARKER / SHEET NUMBER	B — PEMB STANDING SEAM METAL ROOF SYSTEM
DIRECTION OF DOWNWARD SLOPE / ROOF SLOPE MARKER / 4:12 / RISE: RUN	A — NEW ASPHALT SHINGLE ROOF SYSTEM

DS	DOWNSPOUT	N.I.C.	NOT IN CONTRACT
G	GUTTER	PV	PLUMBING VENT
GEJ	GUTTER EXPANSION JOINT	SB	SPLASH BLOCK
BT	BOOT	RD	ROOF DRAIN
EJ	EXPANSION JOINT	OD	OVERFLOW DRAIN
		ON	OVERFLOW NOZZLE

LATHAN McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

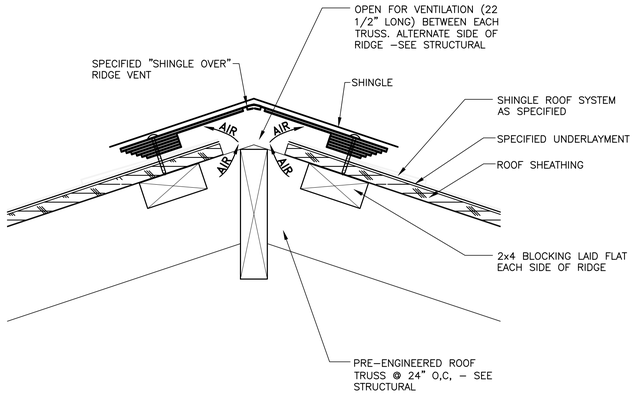
SHEET TITLE:
ROOF PLAN

STATE OF ALABAMA
No. 7007
RYAN D. VERNON
REGISTERED ARCHITECT

PROJ. MGR.: H. RASCO
DRAWN: ELM
DATE: AUGUST 31, 2026
REVISIONS

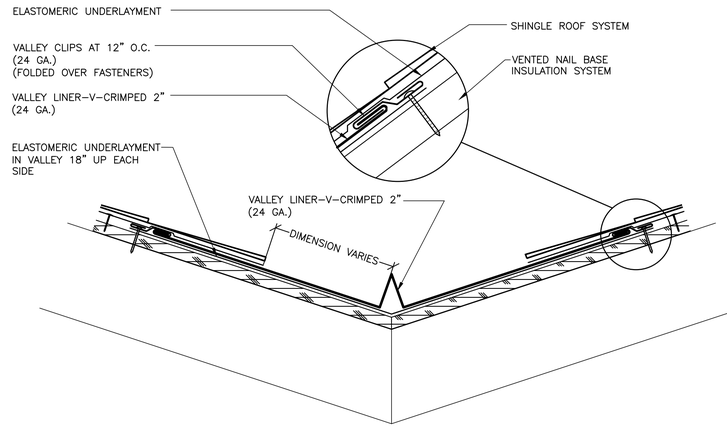
JOB NO. 25-70R
SHEET NO:
A2.4
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0 1" 2"



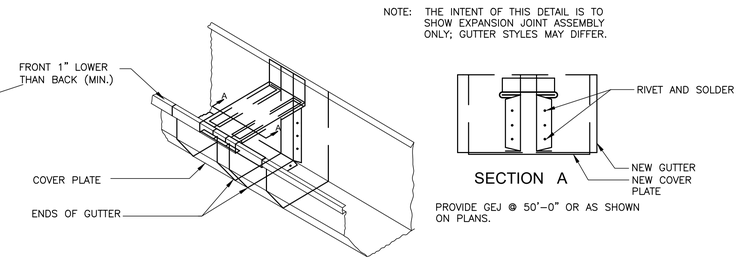
1 RIDGE VENT DETAIL

SCALE: 3" = 1'–0"



2 VALLEY FLASHING DETAIL

SCALE: 3" = 1'–0"



3 GUTTER EXPANSION JOINT DETAIL

SCALE: 3" = 1'–0"

4 PIPE PENETRATION DETAIL

SCALE: 3" = 1'–0"

5 VALLEY FLASHING DETAIL

SCALE: 3" = 1'–0"

LATHAN McKEE ARCHITECTS

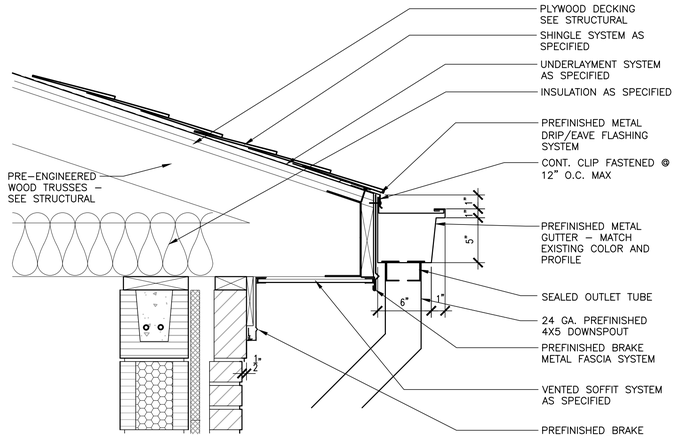
NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
TYPICAL ROOF DETAILS

STATE OF ALABAMA
No. 7007
RYAN D. VERNON
REGISTERED ARCHITECT

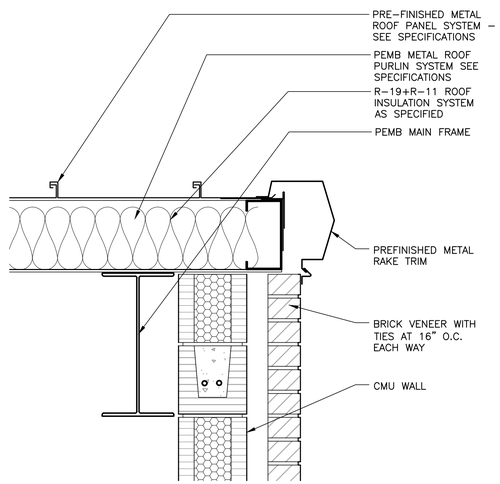
PROJ. MGR.: H. RASCO
DRAWN: ELM
DATE: AUGUST 31, 2026
REVISIONS

JOB NO. 25-70R
SHEET NO:
A2.5
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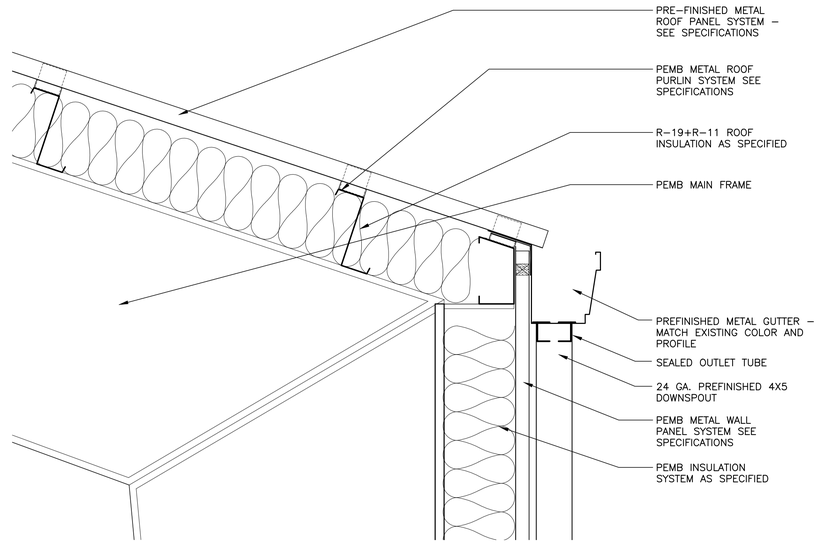
1 ROOF DETAIL

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



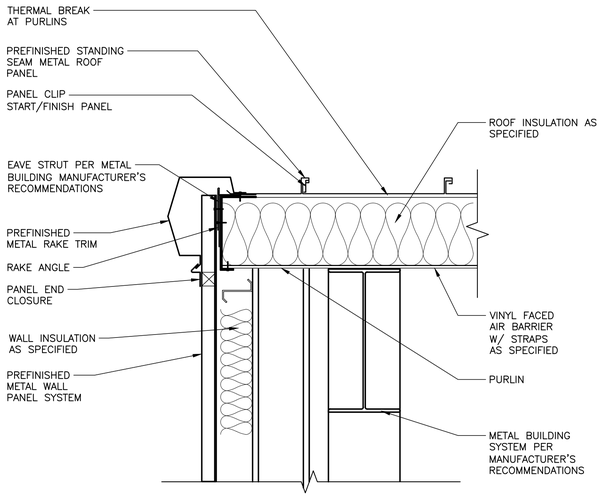
2 ROOF DETAIL

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



3 ROOF DETAIL

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



4 ROOF DETAIL

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

LATHAN McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

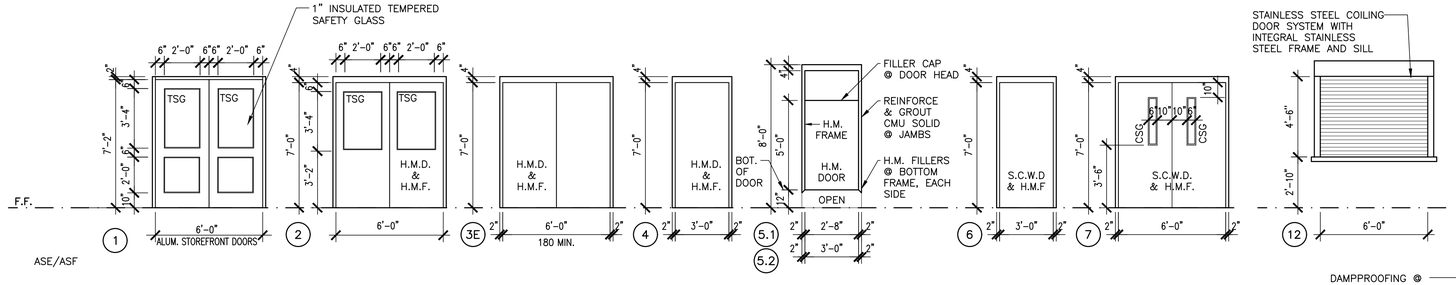
SHEET TITLE:
ROOF DETAILS

STATE OF ALABAMA
No. 7007
RYAN D. VERNON
REGISTERED ARCHITECT

PROJ. MGR.: H. RASCO
DRAWN: ELM
DATE: AUGUST 31, 2026
REVISIONS

JOB NO. 25-70R
SHEET NO:
A2.6
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0 1" 2"

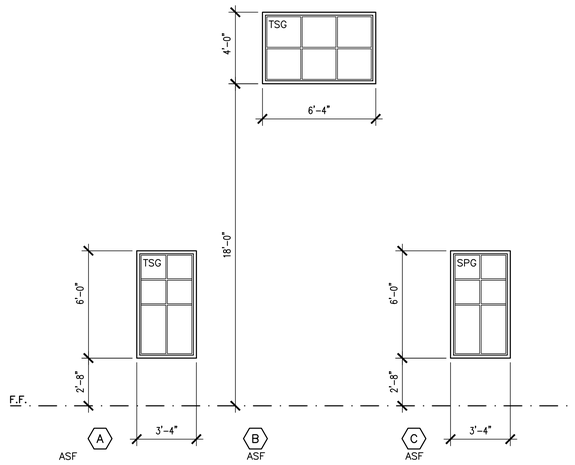


1 DOOR SCHEDULE

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

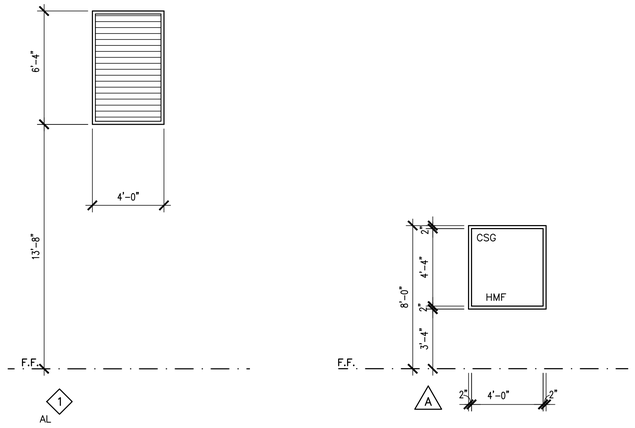
DOOR AND WINDOW LEGEND	
AL	PREFINISHED ALUMINUM LOUVER SYSTEM AS SPECIFIED
TSG	1" TINTED INSULATED LOW-E TEMPERED SAFETY GLASS AS SPEC.
SCWD	SOLID CORE WOOD DOOR
HMD	HOLLOW METAL DOOR
HMF	HOLLOW METAL FRAME
ASE	PREFINISHED ALUMINUM STOREFRONT ENTRANCE SYSTEM AS SPECIFIED.
ASF	PREFINISHED ALUMINUM STOREFRONT FRAME SYSTEM AS SPECIFIED.
SPG	1" INSULATED SPANDREL SAFETY GLASS

DOOR FIRE RATING LEGEND		
DOOR TYPE	(2)	NO RATING
DOOR TYPE + A	(2A)	20 MINUTE RATING
DOOR TYPE + B	(2B)	45 MINUTE RATING
DOOR TYPE + C	(2C)	60 MINUTE RATING
DOOR TYPE + D	(2D)	90 MINUTE RATING
DOOR TYPE + E	(2E)	180 MINUTE RATING



2 WINDOW SCHEDULE

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

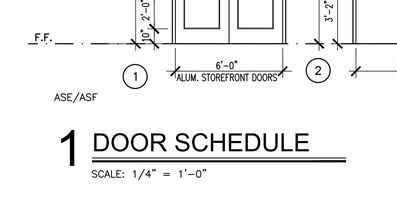


3 LOUVER SCHEDULE

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

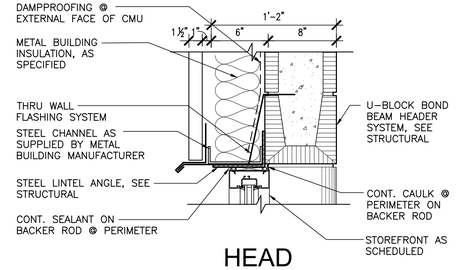
7 H.M. WINDOW SCHEDULE

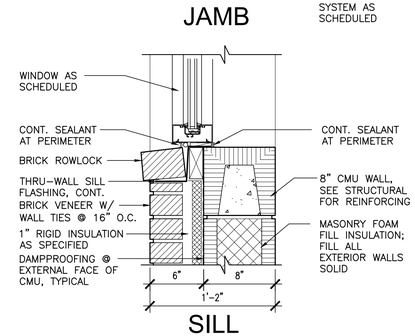
SCALE: 1/4" = 1'-0"



4 DOOR DETAILS

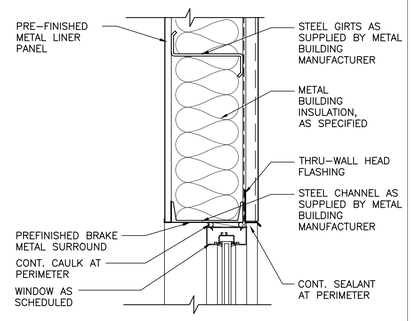
SCALE: 1" = 1'-0"





5 WINDOW DETAILS

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



6 WINDOW DETAILS

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

LATHAN McKEE ARCHITECTS

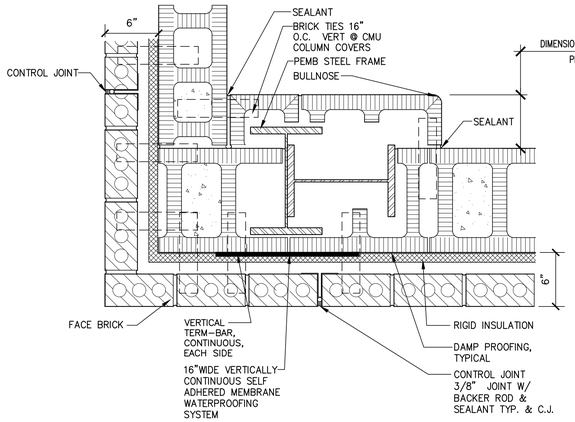
NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
DOOR AND WINDOW SCHEDULES AND DETAIL

STATE OF ALABAMA
No. 7007
RYAN D. VERNON
REGISTERED ARCHITECT

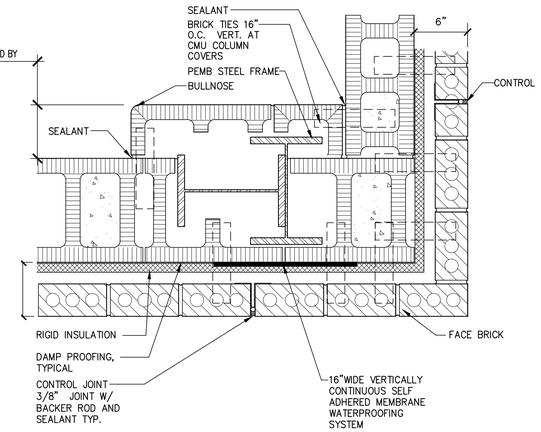
PROJ. MGR.: H. RASCO
DRAWN: ELM
DATE: AUGUST 31, 2026
REVISIONS

JOB NO. 25-70R
SHEET NO:
A2.7
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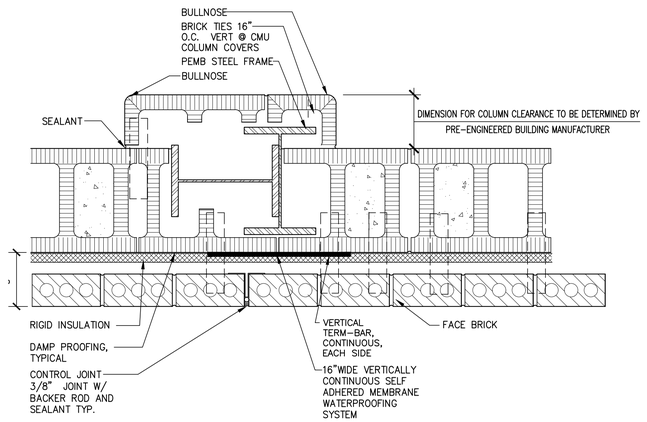
1 PLAN DETAIL

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



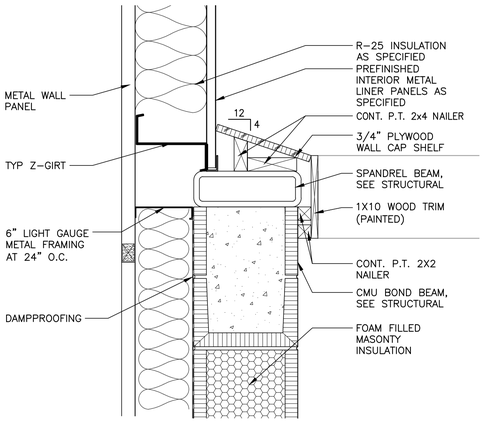
2 PLAN DETAIL

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



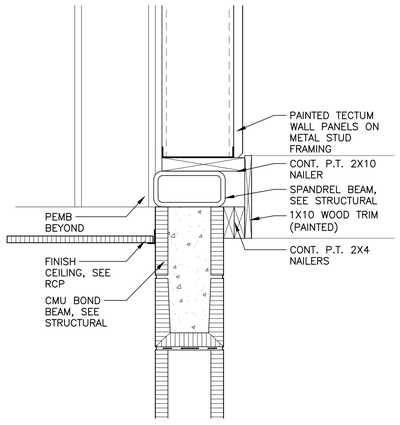
3 PLAN DETAIL

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



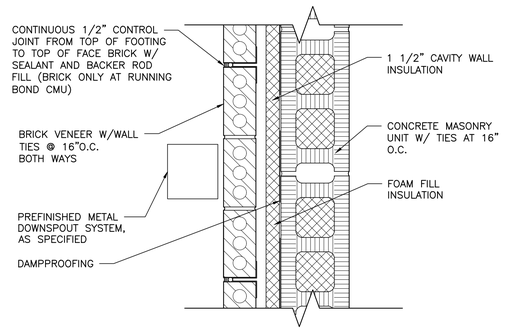
4 DETAIL

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



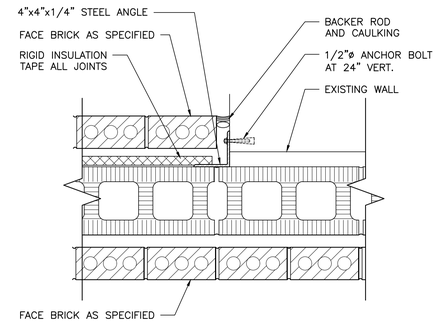
5 DETAIL

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



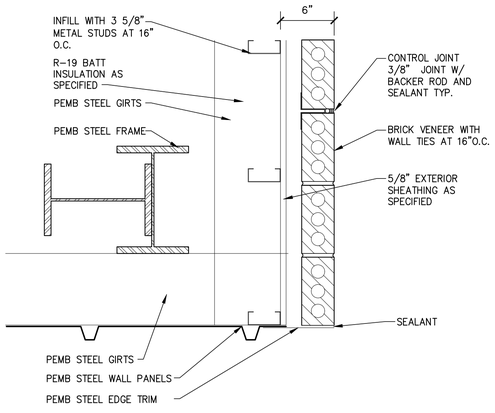
6 CONTROL JOINT DETAIL

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



7 WIND ANGLE DETAIL

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



8 PLAN DETAIL ABOVE BRICK WAINSCOT

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

LATHAN McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

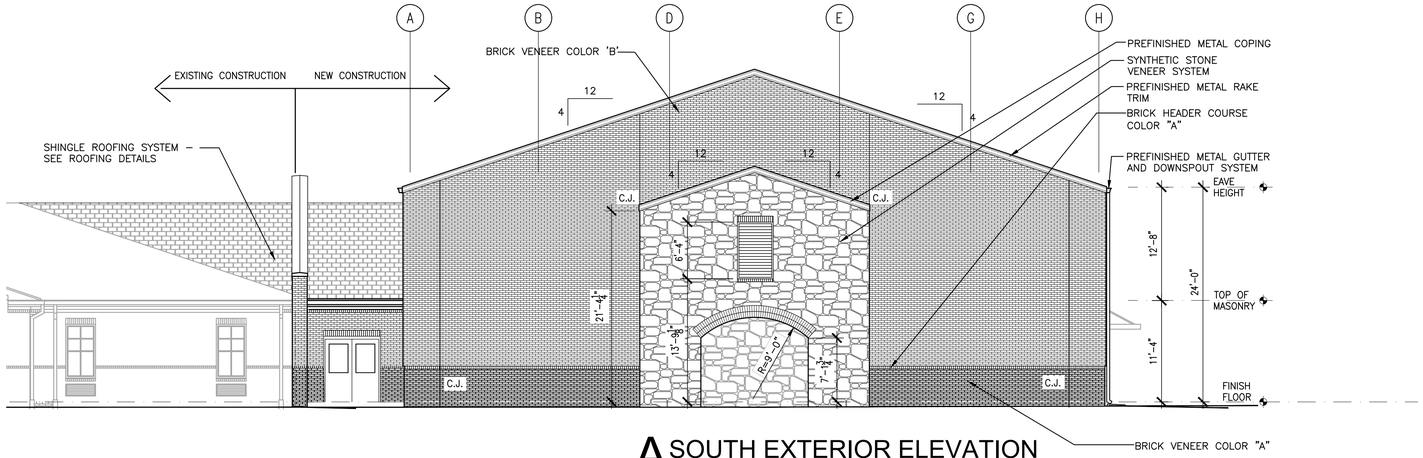
SHEET TITLE:
PLAN DETAILS

STATE OF ALABAMA
No. 7007
RYAN D. VERNON
REGISTERED ARCHITECT

PROJ. MGR.: H. RASCO
DRAWN: ELM
DATE: AUGUST 31, 2026
REVISIONS

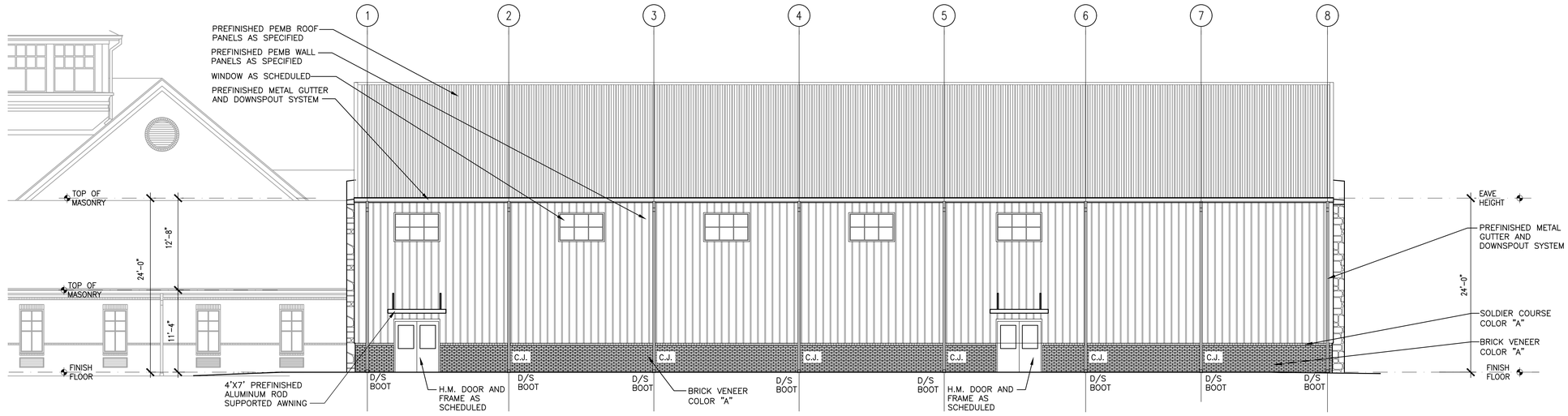
JOB NO. 25-70R
SHEET NO:
A2.8
10 OF 27

0 1" 2"



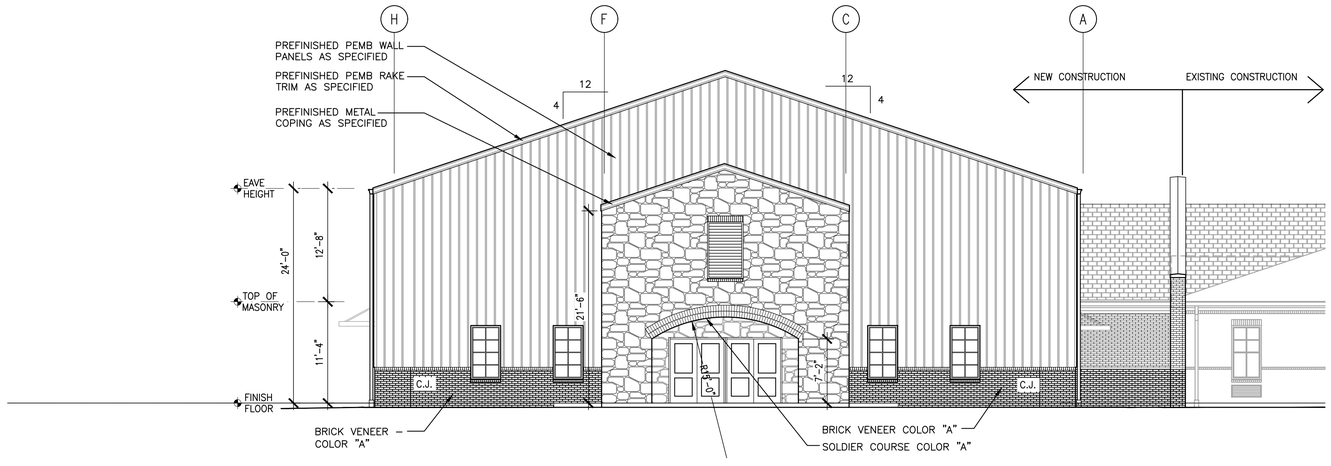
A SOUTH EXTERIOR ELEVATION

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



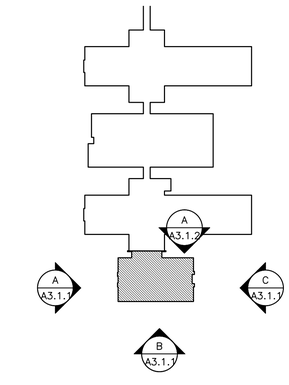
B EAST EXTERIOR ELEVATION

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



C NORTH EXTERIOR ELEVATION

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



KEY PLAN

SCALE: N.T.S.

LATHAN ▪ McKEE ARCHITECTS

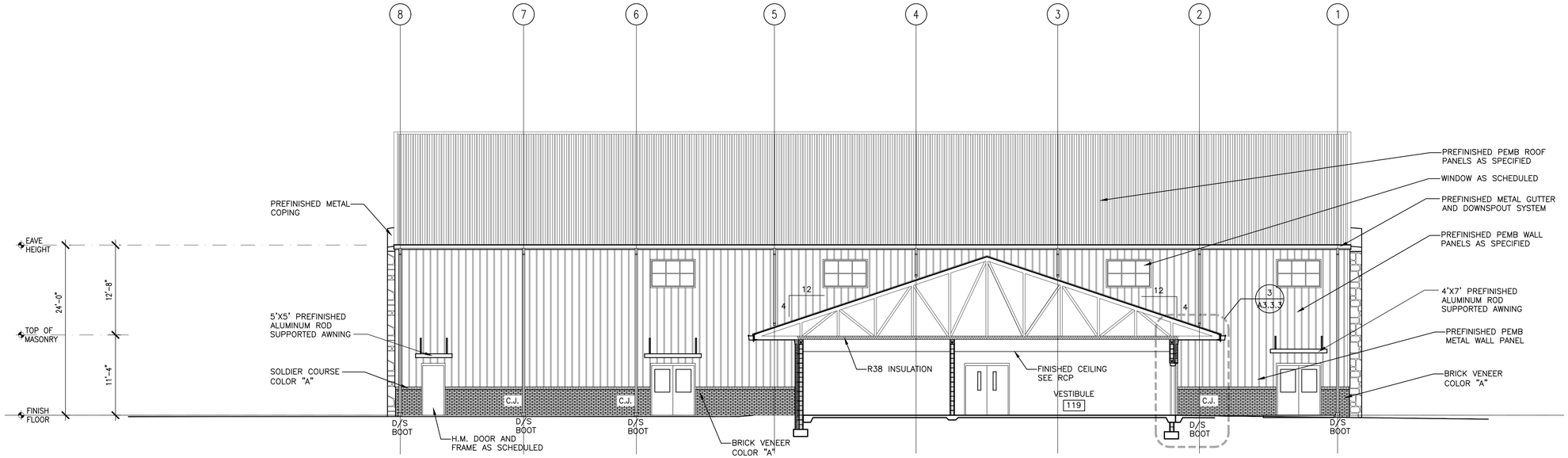
NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
EXTERIOR ELEVATIONS

STATE OF ALABAMA
No. 7007
RYAN D. VERNON
REGISTERED ARCHITECT

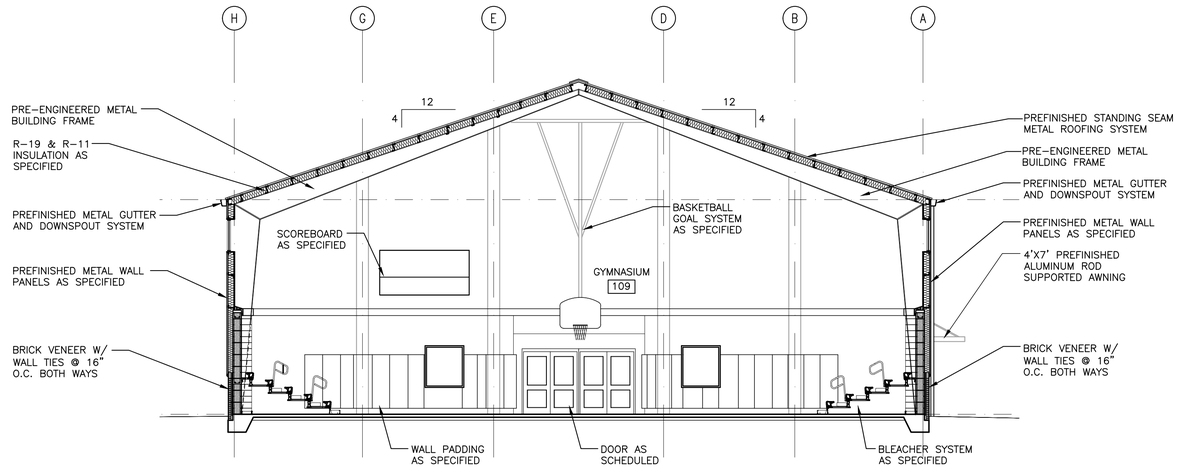
PROJ. MGR.: H. RASCO
DRAWN: ELM
DATE: AUGUST 31, 2026
REVISIONS

JOB NO. 25-70R
SHEET NO:
A3.1.1
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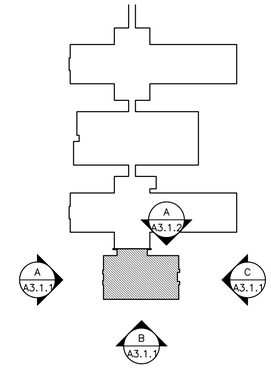
A WEST EXTERIOR ELEVATION

1/8" = 1'-0"



1 BUILDING SECTION

1/8" = 1'-0"



KEY PLAN

SCALE: N.T.S.

LATHAN McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

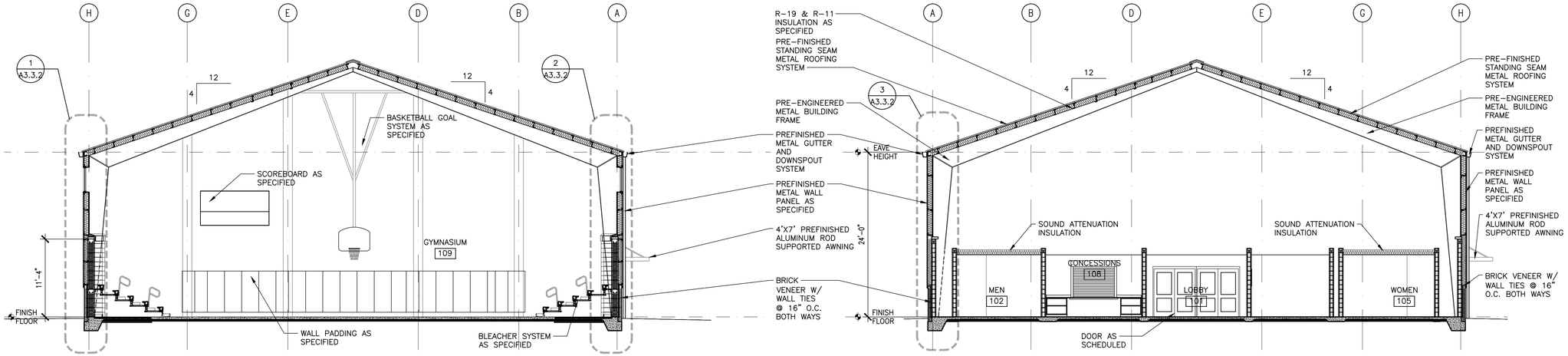
SHEET TITLE:
EXTERIOR ELEVATIONS

STATE OF ALABAMA
No. 7007
RYAN D. VERNON
REGISTERED ARCHITECT

PROJ. MGR.: H. RASCO
DRAWN: ELM
DATE: AUGUST 31, 2026
REVISIONS

JOB NO. 25-70R
SHEET NO:
A3.1.2
12 OF 27

0 1" 2"

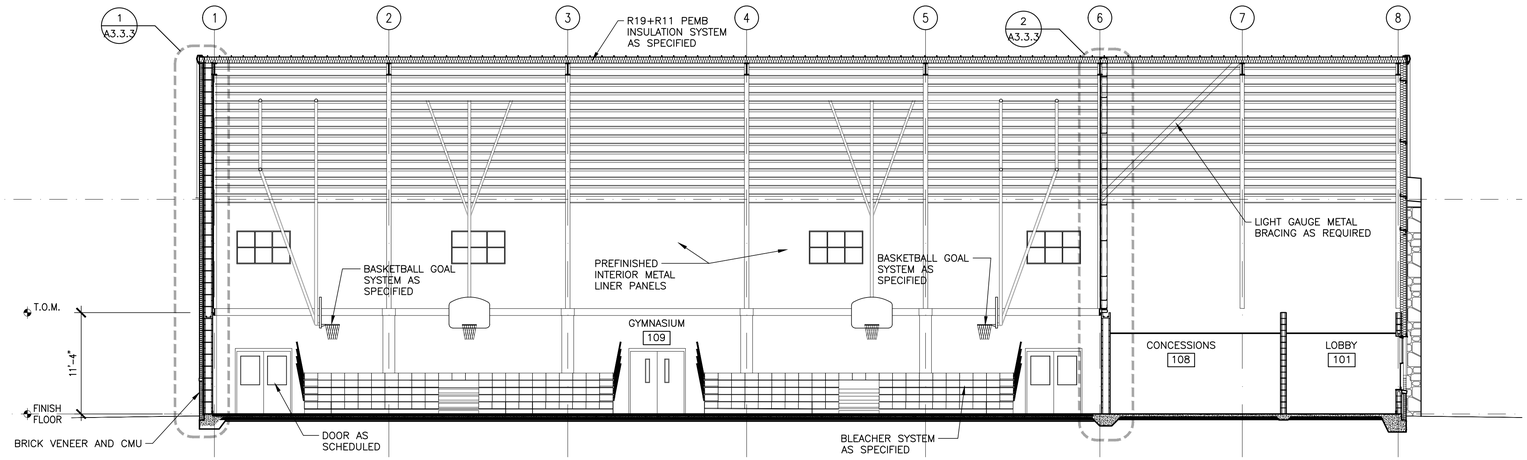


1 BUILDING SECTION

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

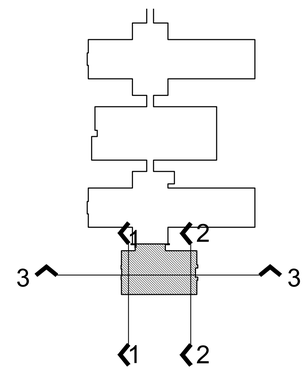
2 BUILDING SECTION

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



3 BUILDING SECTION

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



KEY PLAN

SCALE: N.T.S.

LATHAN McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

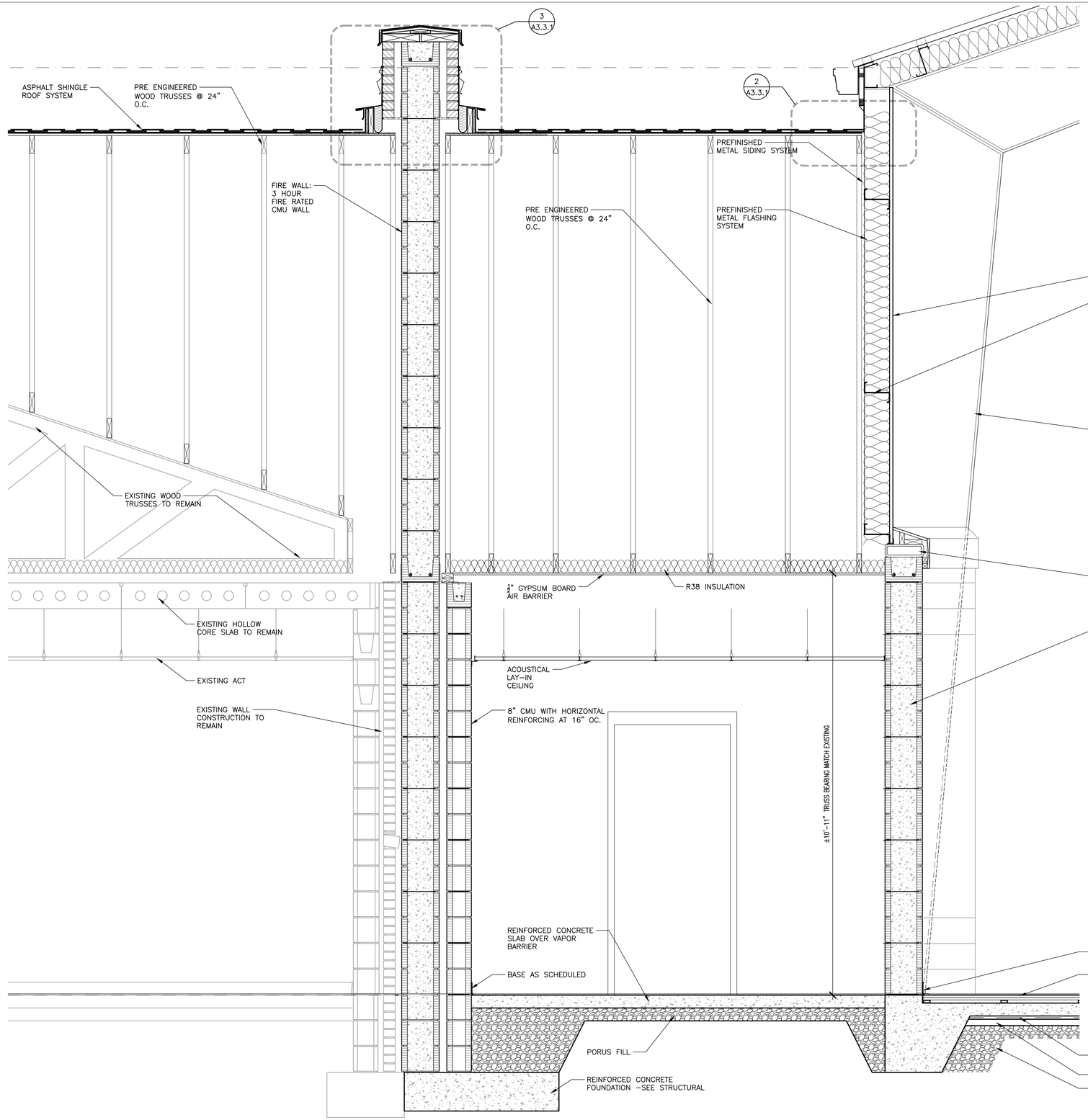
SHEET TITLE:
BUILDING SECTIONS

STATE OF ALABAMA
No. 7007
RYAN D. VERNON
REGISTERED ARCHITECT

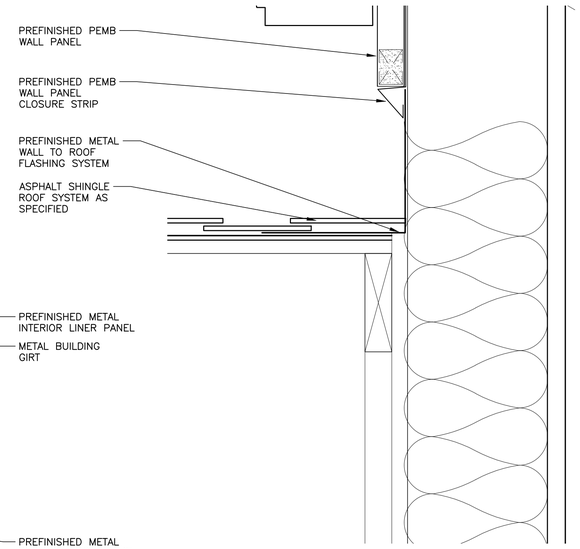
PROJ. MGR.: H. RASCO
DRAWN: ELM
DATE: AUGUST 31, 2026
REVISIONS

JOB NO. 25-70R
SHEET NO:
A3.2.1
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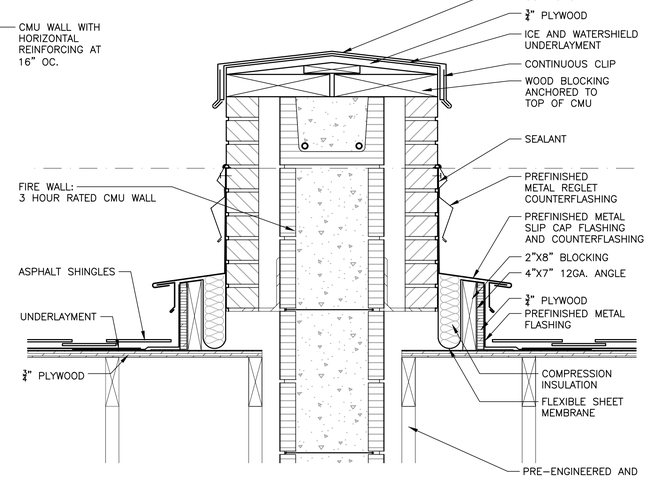
0 1" 2"



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



2 DETAIL
SCALE: 3" = 1'-0"



3 DETAIL
SCALE: 3" = 1'-0"

LATHAN McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

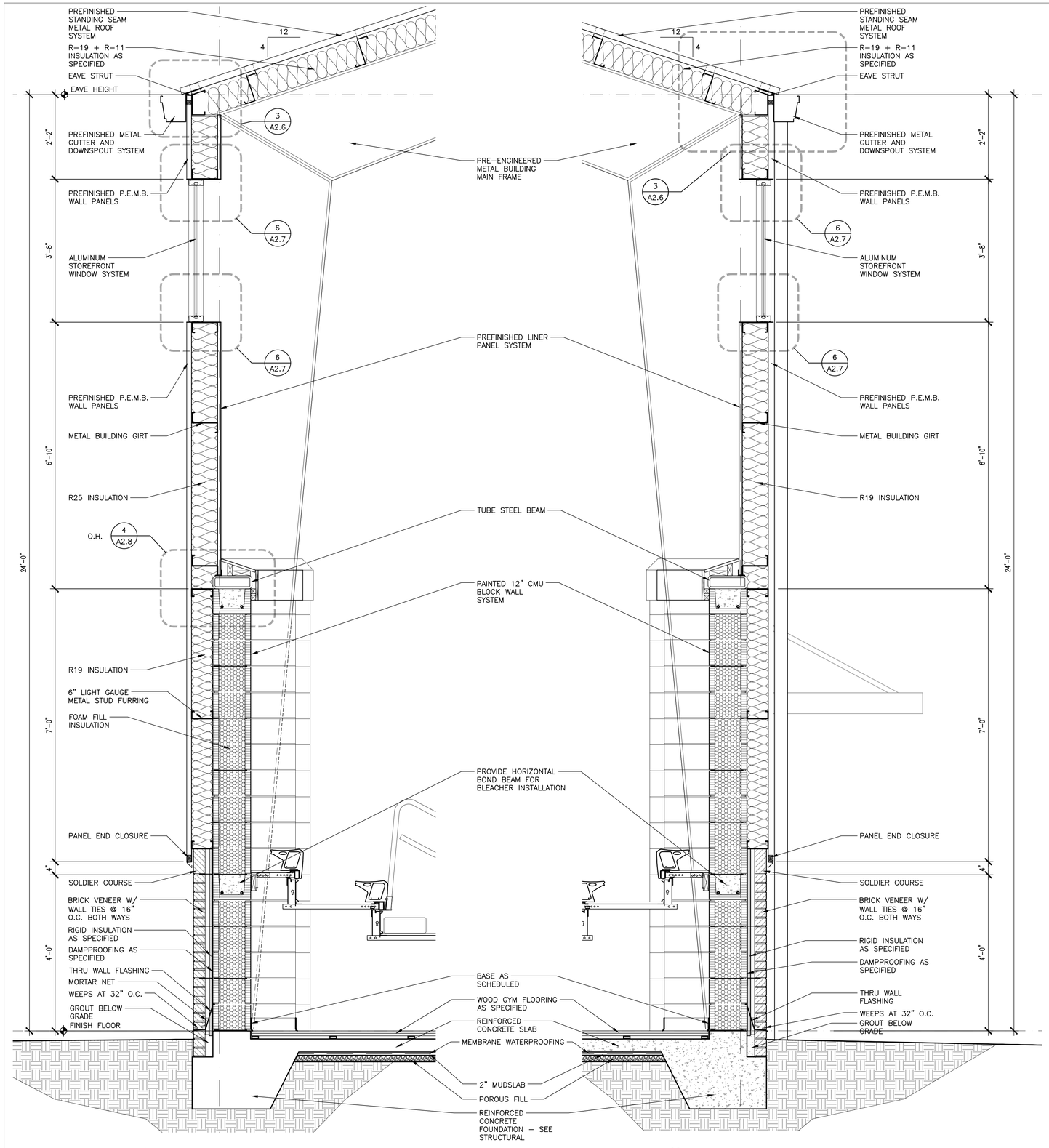
SHEET TITLE:
WALL SECTIONS

STATE OF ALABAMA
No. 7007
RYAN D. VERNON
REGISTERED ARCHITECT

PROJ. MGR.: H. RASCO
DRAWN: ELM
DATE: AUGUST 31, 2026
REVISIONS

JOB NO. 25-70R
SHEET NO:
A3.3.1
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0 1" 2"

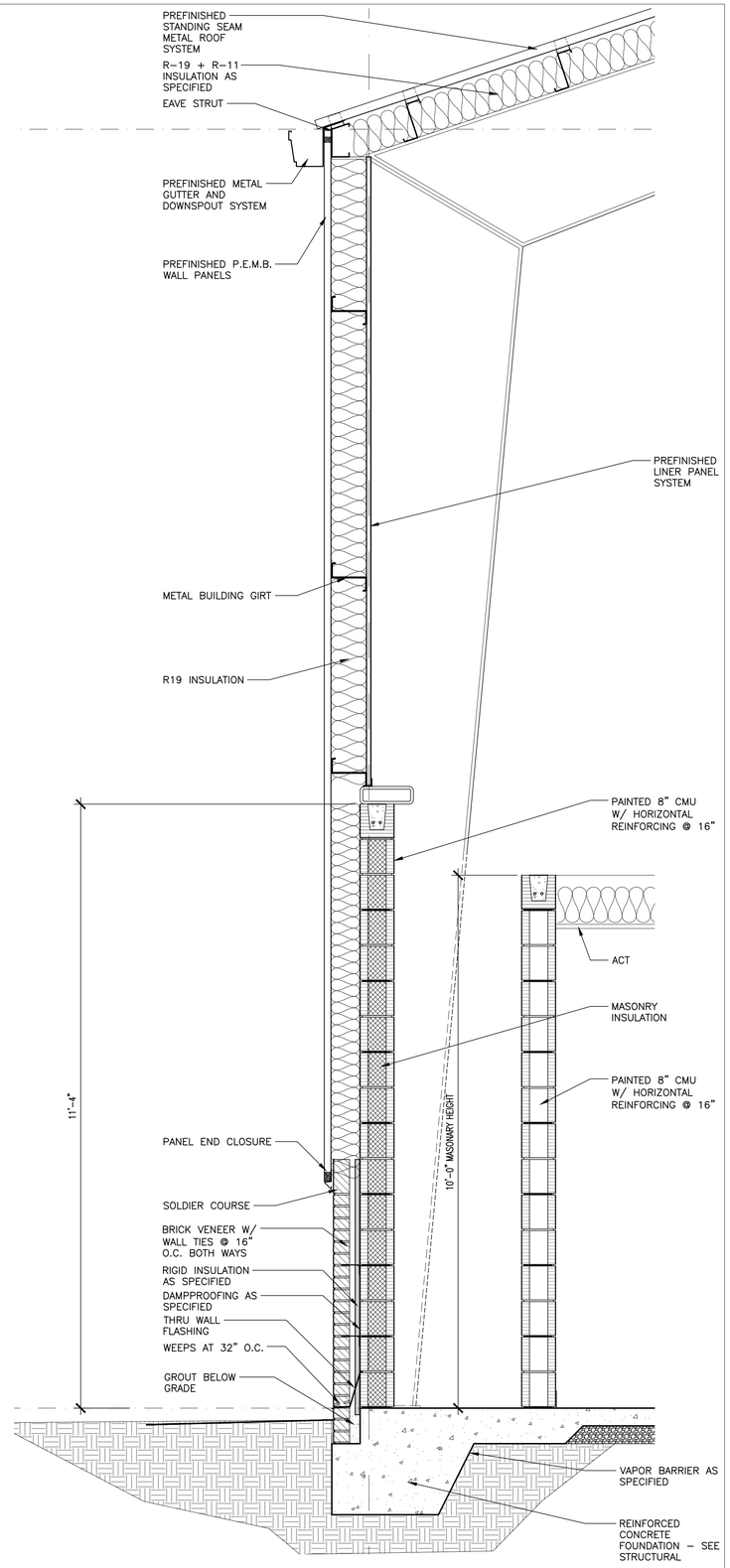


1 WALL SECTION

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

2 WALL SECTION

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



3 WALL SECTION

SCALE: 1" = 1'-0"

LATHAN McKEE ARCHITECTS

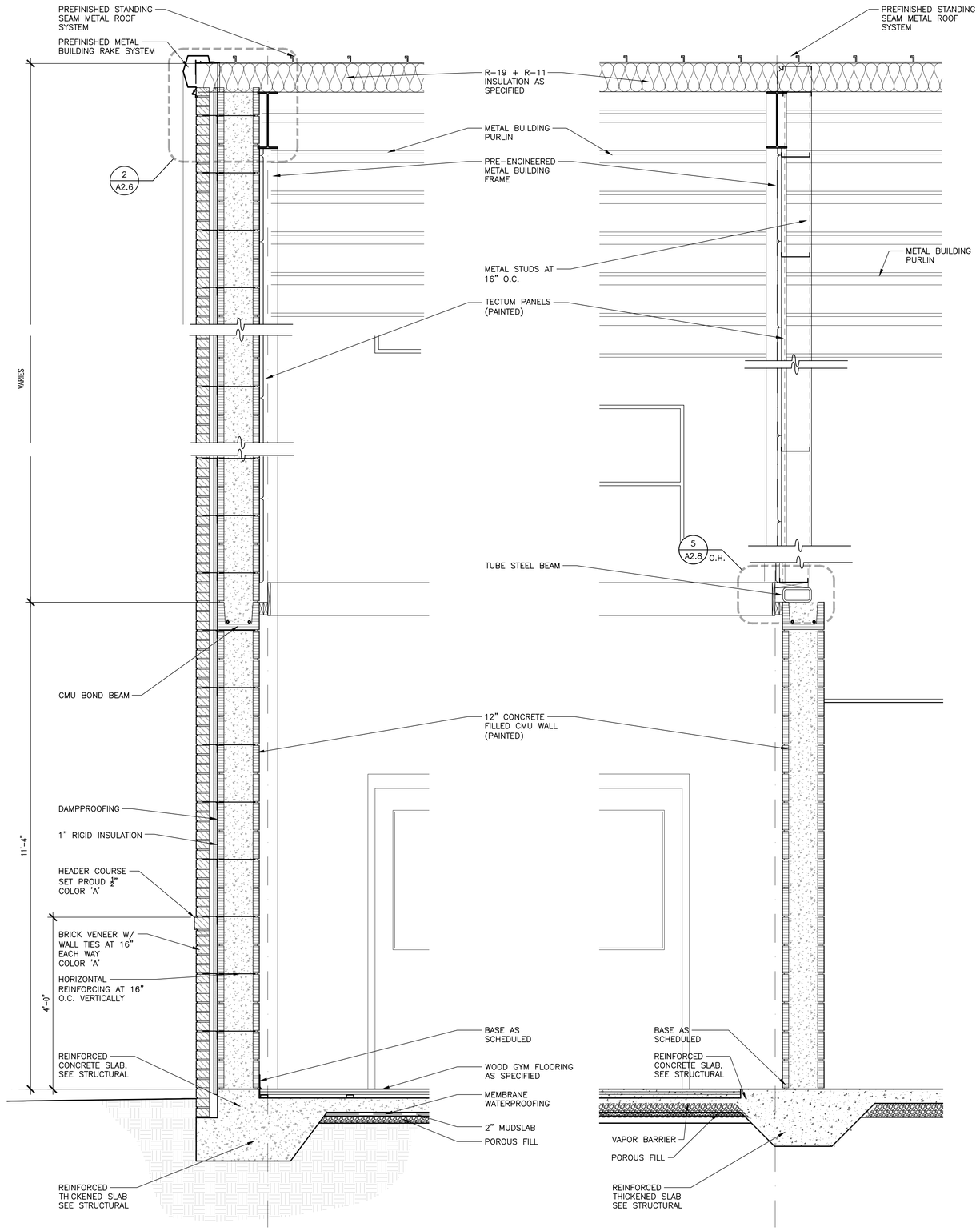
NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
WALL SECTIONS

STATE OF ALABAMA
No. 7007
RYAN D. VERNON
REGISTERED ARCHITECT

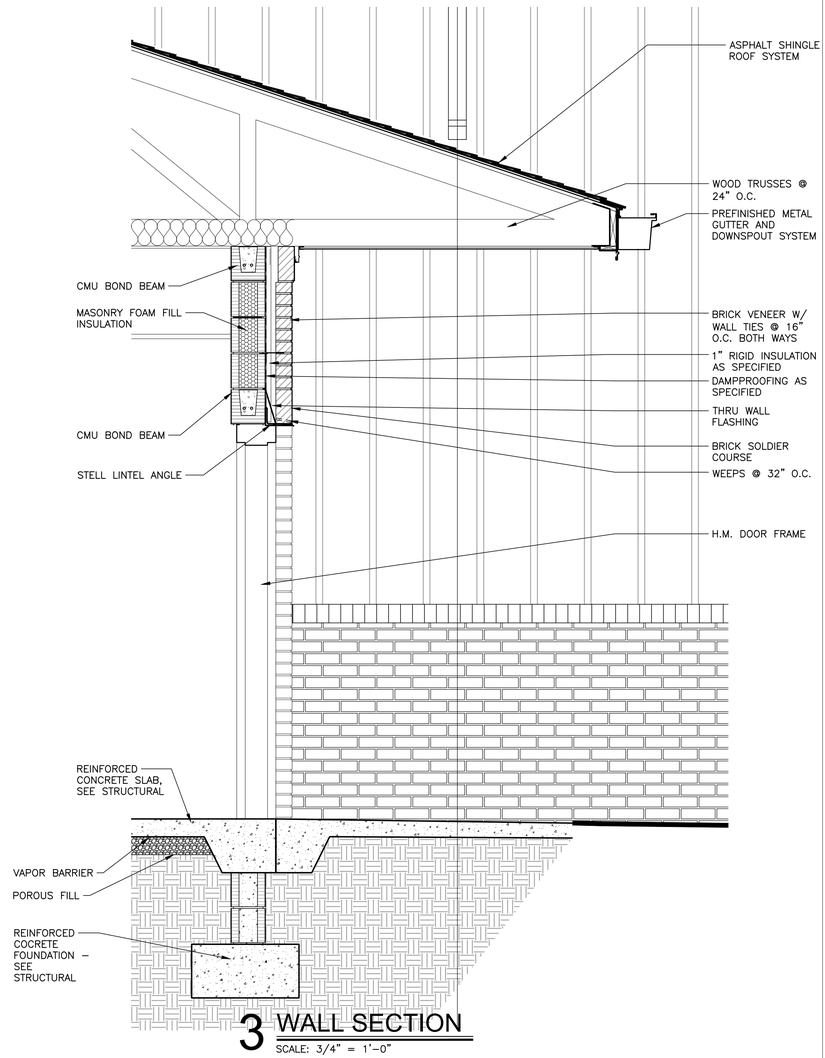
PROJ. MGR.: H. RASCO
DRAWN: ELM
DATE: AUGUST 31, 2026
REVISIONS

JOB NO. 25-70R
SHEET NO:
A3.3.2
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1 WALL SECTION
SCALE: 3/4" = 1'-0"

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



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

LATHAN ▪ McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
WALL SECTIONS

STATE OF ALABAMA
No. 7007
RYAN D. VERNON
REGISTERED ARCHITECT

PROJ. MGR.: H. RASCO
DRAWN: ELM

DATE: AUGUST 31, 2026

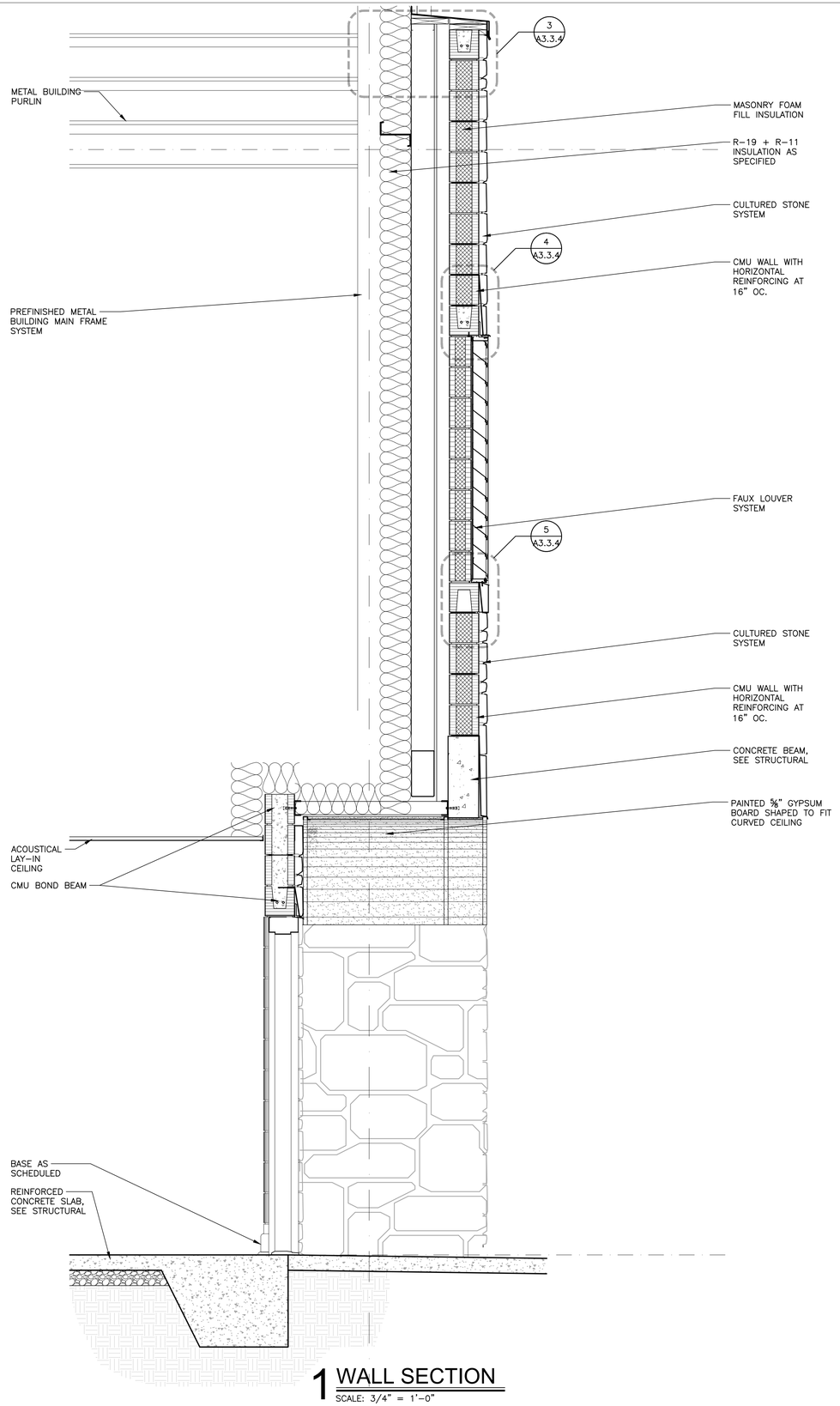
REVISIONS

JOB NO. 25-70R

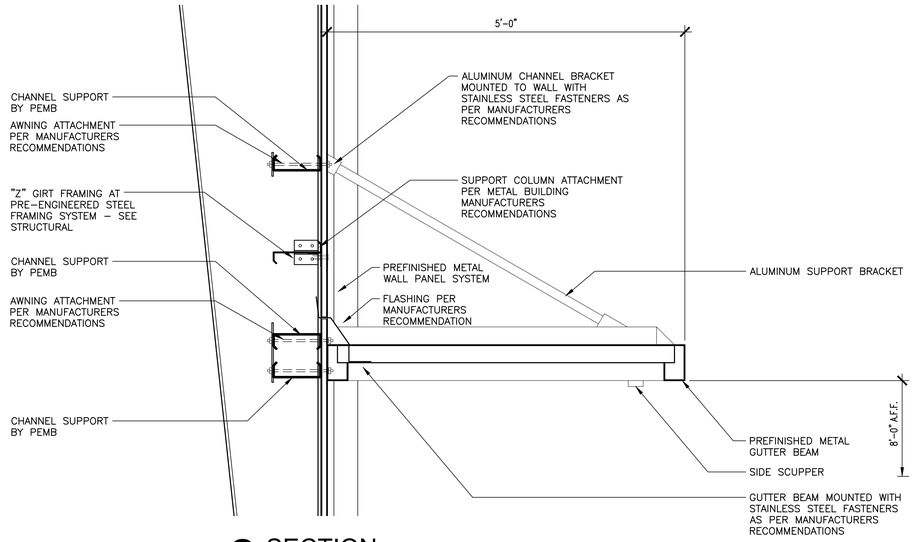
SHEET NO:
A3.3.3

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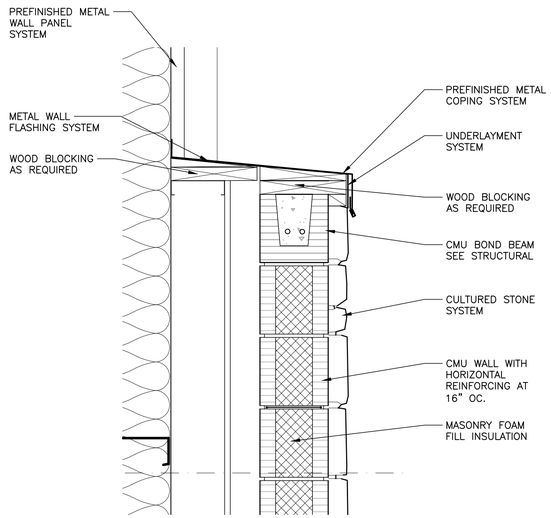
0 1" 2"



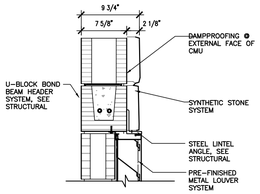
1 WALL SECTION
SCALE: 3/4" = 1'-0"



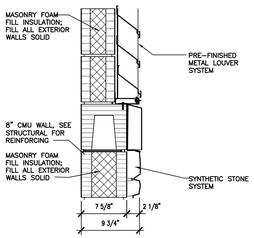
2 SECTION
SCALE: 1" = 1'-0"



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



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



5 DETAIL
SCALE: 1" = 1'-0"

LATHAN McKEE ARCHITECTS

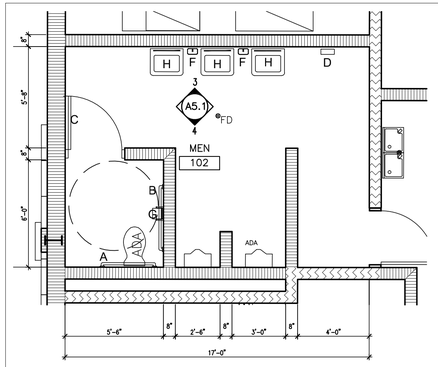
NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
WALL SECTIONS

STATE OF ALABAMA
No. 7007
RYAN D. VERNON
REGISTERED ARCHITECT

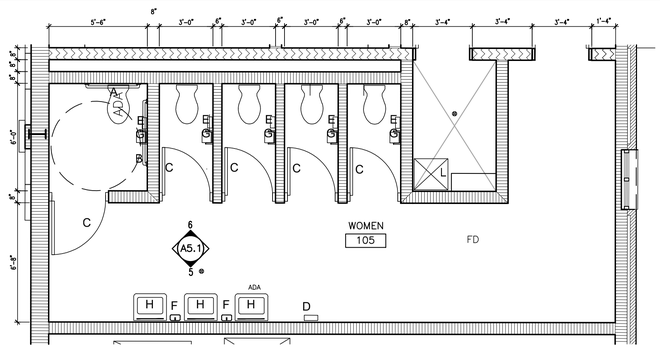
PROJ. MGR.: H. RASCO
DRAWN: ELM
DATE: AUGUST 31, 2026
REVISIONS

JOB NO. 25-70R
SHEET NO:
A3.3.4
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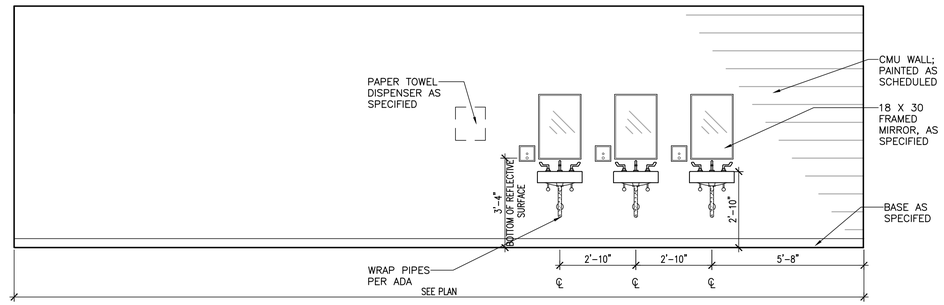
1 PARTIAL ENLARGED FLOOR PLAN

1/4" = 1'-0"



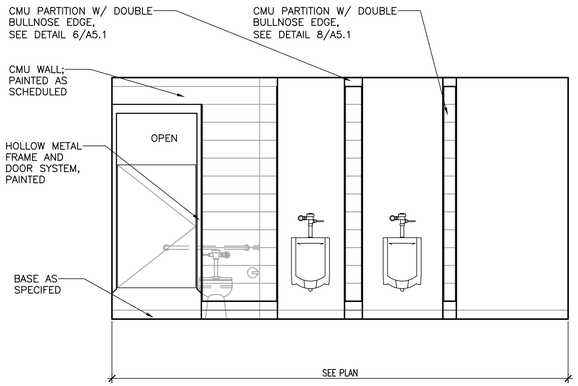
2 PARTIAL ENLARGED FLOOR PLAN

1/4" = 1'-0"



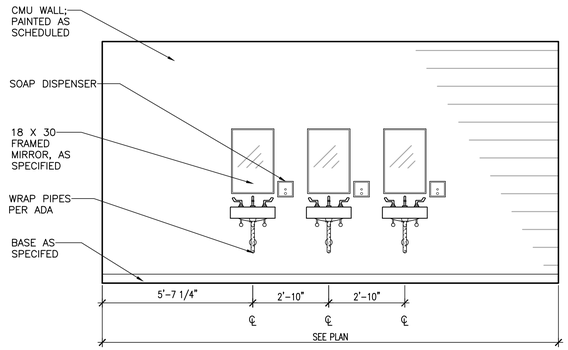
3 INTERIOR ELEVATION @GIRLS 105

3/8" = 1'-0"



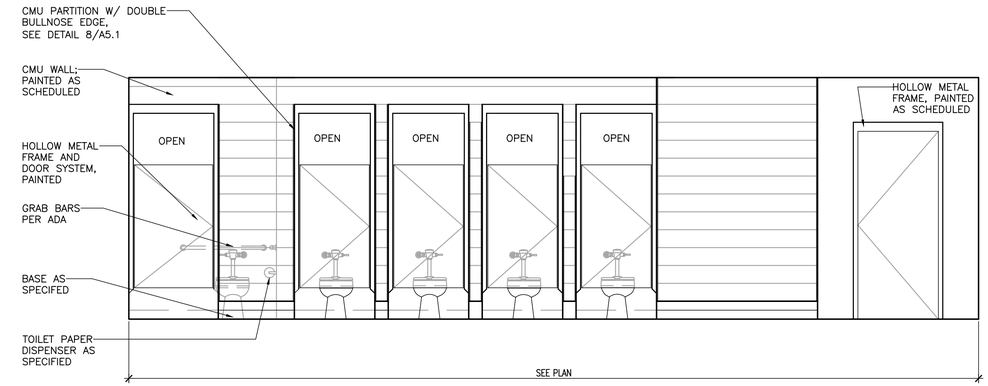
4 INTERIOR ELEVATION @BOYS 102

3/8" = 1'-0"



5 INTERIOR ELEVATION @BOYS 102

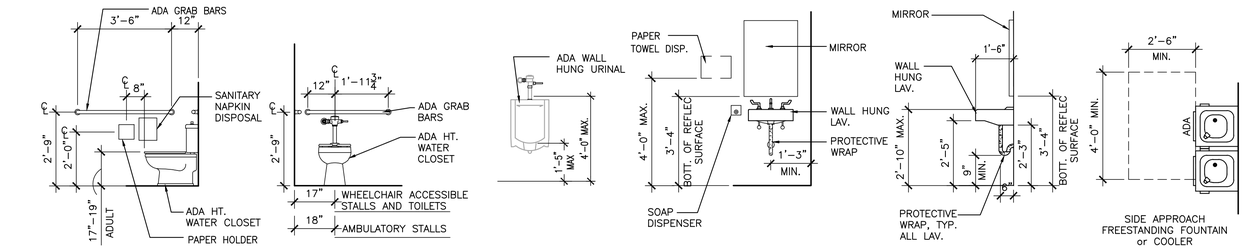
3/8" = 1'-0"

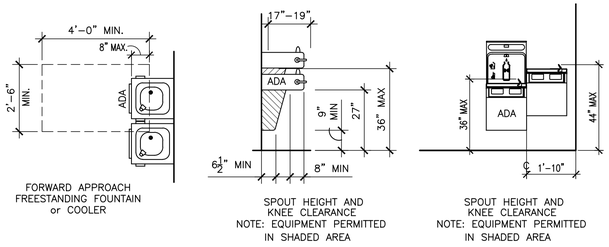


6 INTERIOR ELEVATION @GIRLS 105

3/8" = 1'-0"

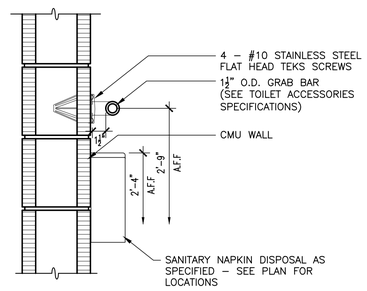
TOILET ACCESSORY LEGEND	
A	36" S.S. GRAB BAR
B	42" S.S. GRAB BAR
C	COAT HOOK (MOUNTED ON INTERIOR STALL DOOR)
D	PAPER TOWEL DISPENSER - (N.I.C.) BY OWNER
E	FEMININE NAPKIN DISPOSAL
F	SOAP DISPENSER - (N.I.C.) BY OWNER
G	TOILET TISSUE DISPENSER - (N.I.C.) BY OWNER
H	FRAMED MIRROR 18" X 30"
J	ELECTRIC HAND DRYER
K	MOP HOLDER





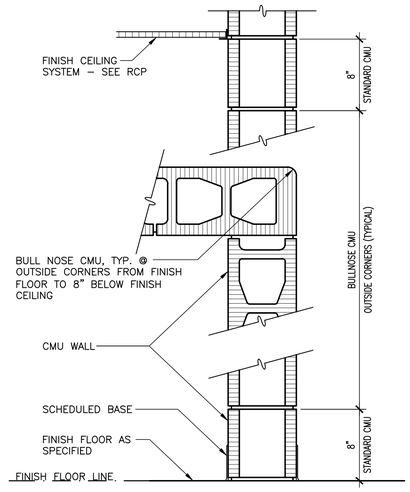
ADA DETAILS

SCALE: 3/8" = 1'-0"



7 DETAIL @GRAB BAR ON CMU WALLS

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



8 DETAIL @CMU BULLNOSE DETAIL

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

LATHAN McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

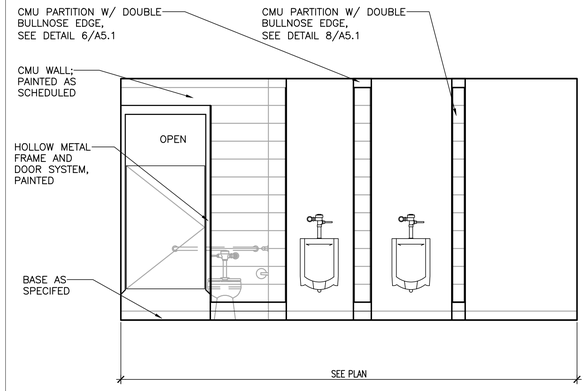
SHEET TITLE:
ENLARGED TOILET PLANS, ELEVATIONS AND DETAILS

STATE OF ALABAMA
No. 7007
RYAN D. VERNON
REGISTERED ARCHITECT

PROJ. MGR.: H. RASCO
DRAWN: B.LOGAN
DATE: AUGUST 31, 2026
REVISIONS

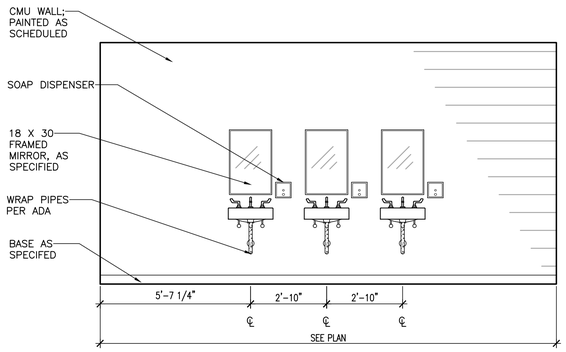
JOB NO. 25-70R
SHEET NO:
A5.1
18 OF 27

0 1" 2"



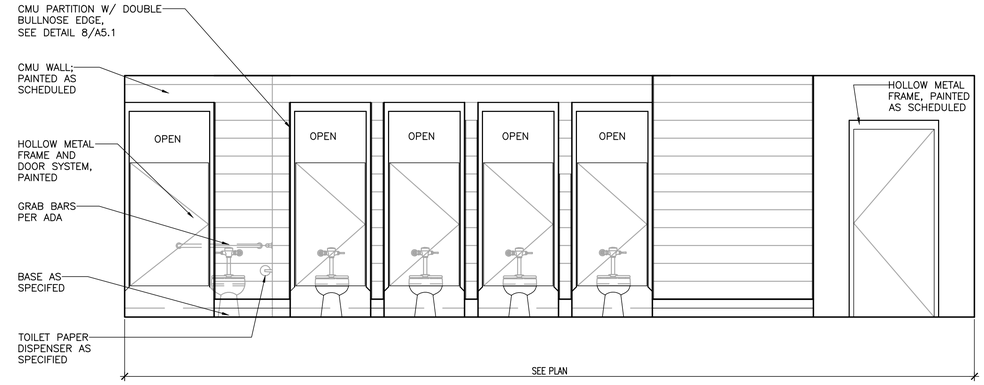
1 INTERIOR ELEVATION @BOYS 102

3/8" = 1'-0"



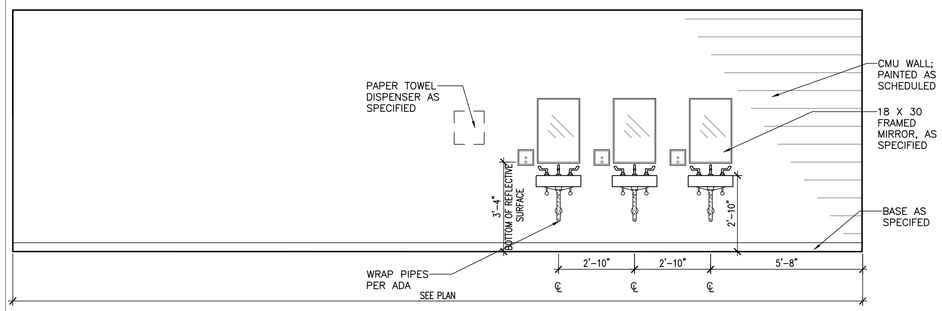
2 INTERIOR ELEVATION @BOYS 102

3/8" = 1'-0"



3 INTERIOR ELEVATION @GIRLS 105

3/8" = 1'-0"



4 INTERIOR ELEVATION @GIRLS 105

3/8" = 1'-0"

LATHAN McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

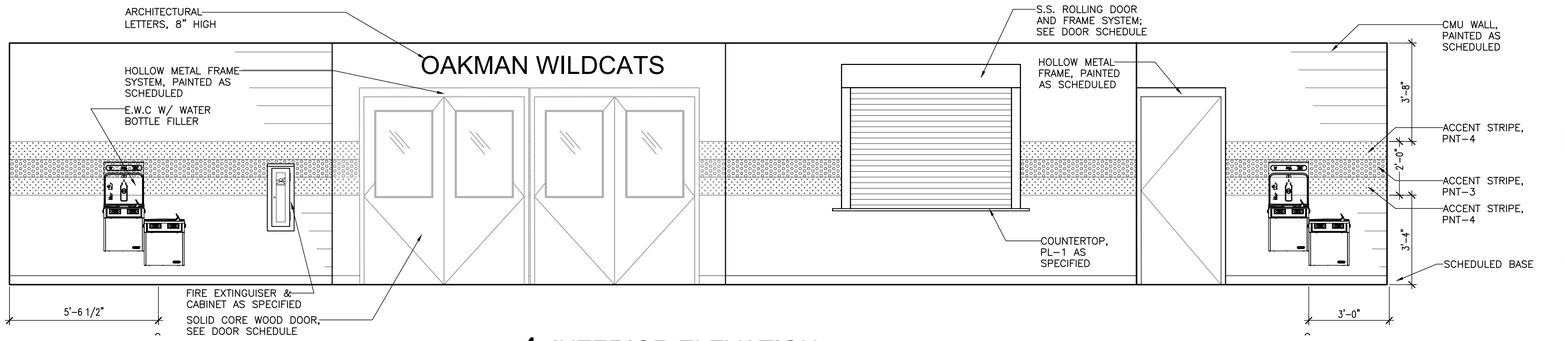
SHEET TITLE:
TOILET ELEVATIONS

STATE OF ALABAMA
No. 7007
RYAN D. VERNON
REGISTERED ARCHITECT

PROJ. MGR.: H. RASCO
DRAWN: B.LOGAN
DATE: AUGUST 31, 2026
REVISIONS

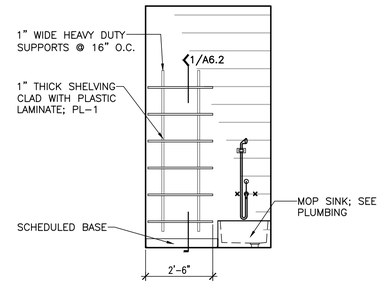
JOB NO. 25-70R
SHEET NO:
A5.2
20 OF 27

0 1" 2"



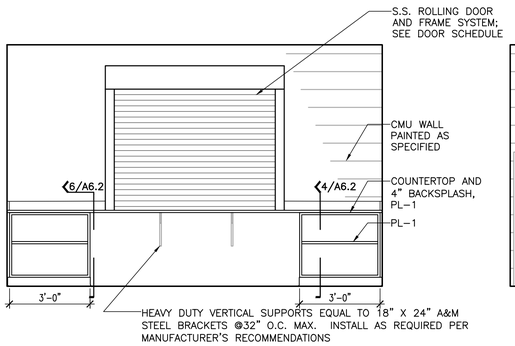
1 INTERIOR ELEVATION @LOBBY 101

3/8" = 1'-0"



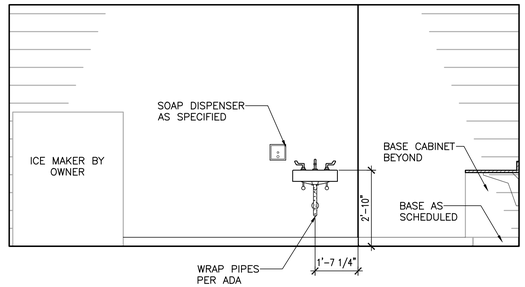
2 INTERIOR ELEVATION @JANITOR 104

3/8" = 1'-0"



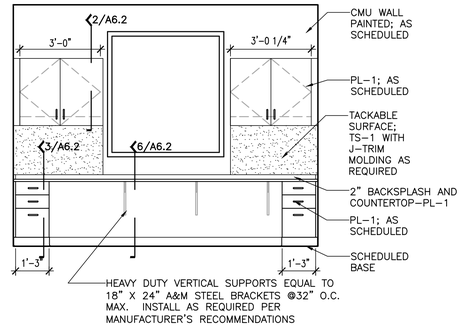
3 INTERIOR ELEVATION @CONCESSIONS 108

3/8" = 1'-0"



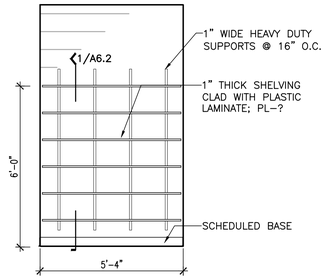
4 INTERIOR ELEVATION @CONCESSIONS 108

3/8" = 1'-0"



5 INTERIOR ELEVATION @OFFICE 106

3/8" = 1'-0"



6 INTERIOR ELEVATION @STORAGE 107

3/8" = 1'-0"

LATHAN McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

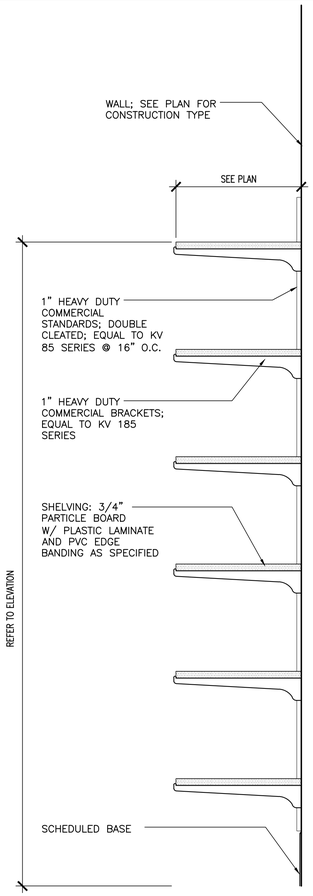
SHEET TITLE:
INTERIOR ELEVATIONS

STATE OF ALABAMA
No. 7007
RYAN D. VERNON
REGISTERED ARCHITECT

PROJ. MGR.: H. RASCO
DRAWN: B.LOGAN
DATE: AUGUST 31, 2026
REVISIONS

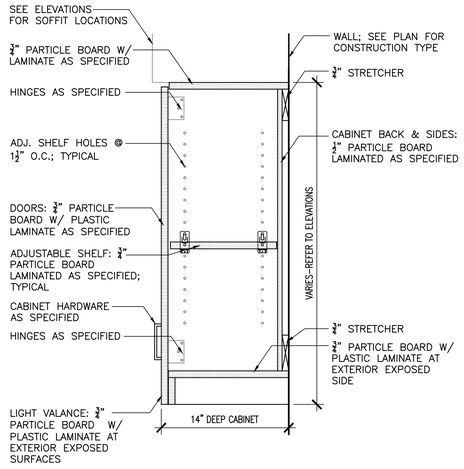
JOB NO. 25-70R
SHEET NO:
A6.1
21 OF 27

0 1" 2"



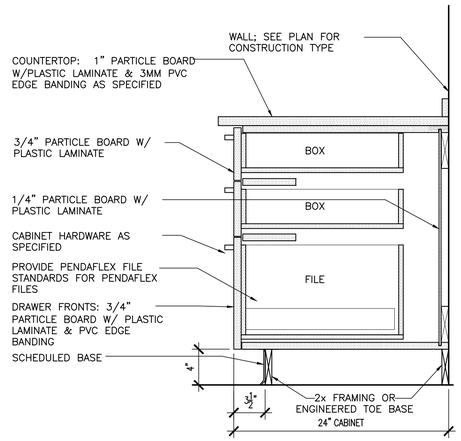
1 SECTION @ADJUSTABLE SHELVING

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



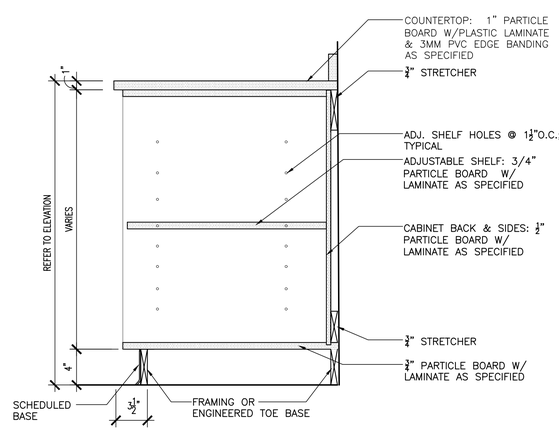
2 SECTION @TYP. UPPER CABINET

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



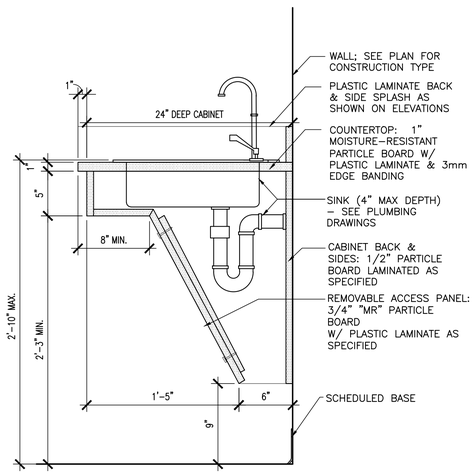
3 SECTION @BOX/BOX/FILE BASE CABINET

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



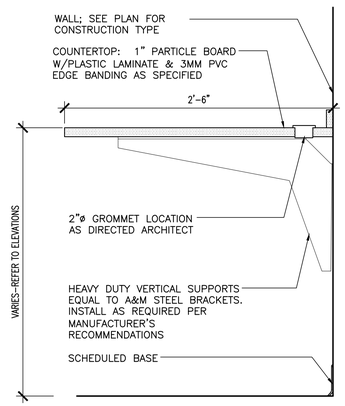
4 SECTION @TYP. UPPER CABINET

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



5 SECTION @TYP. UPPER CABINET

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



6 SECTION @COUNTERTOP

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

LATHAN McKEE ARCHITECTS

NEW GYMNASIUM FOR

OAKMAN MIDDLE SCHOOL

142 SCHOOL STREET, OAKMAN, ALABAMA 35579

WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:

MILLWORK SECTION DETAILS

STATE OF ALABAMA
No. 7007
RYAN D. VERNON
REGISTERED ARCHITECT

PROJ. MGR.: H. RASCO

DRAWN: B.LOGAN

DATE: AUGUST 31, 2026

REVISIONS

JOB NO. 25-70R

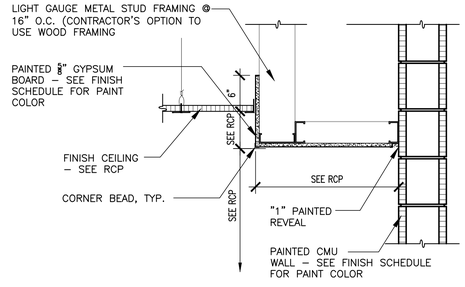
SHEET NO:

A6.2

22 OF 27

0 1" 2"





1 REFLECTED CEILING PLAN
1/8" = 1'-0"

2 CEILING DETAIL @GYPSUM BOARD SOFFIT TO ACOUSTIC CEILING TILE
1" = 1'-0"

CEILING LEGEND	
FIXTURE TYPES - SEE ELECTRICAL	
CEILING TYPE	CEILING HEIGHTS
NC - NO CEILING	80 = 8'-0" AFF
EGB - EXTERIOR GRADE GYPSUM BOARD, PAINTED	88 = 8'-8" AFF
L1 - 2 x 2 LAY-IN ACOUSTIC CEILING TILE; SEE SPEC	90 = 9'-0" AFF
PFMC - PREFINISHED METAL CANOPY	
ESA - EXPOSED STRUCTURE ABOVE; PAINT	
REFER TO FINISH SYMBOLS ON PLAN FOR MATERIALS AND CEILING HEIGHTS CEILING TYPE — L1-90 — CEILING HEIGHT	

CEILING NOTES
AFF = ABOVE FINISH FLOOR
ALL CEILING HEIGHTS ARE FROM ADJACENT FINISHED FLOOR
CEILING HEIGHTS INDICATED ARE MINIMUM HEIGHTS. COORDINATE W/ PLUMBING, MECHANICAL, AND ELECTRICAL TO INSTALL CEILINGS AS HIGH AS POSSIBLE.
ALL CEILING GRIDS ARE TO BE CENTERED IN ROOM UNLESS SHOWN OR NOTED OTHERWISE
USE 2x4 LAY-IN CEILING TILES CUT TO FIT AT ALL LOCATIONS LESS THAN 12" AT PERIMETER OF ROOM. WHERE 2x4 TILES OCCUR THEY SHALL MATCH SPECIFIED TILE AS INDICATED FOR EACH ROOM.
COORDINATE W/ PLUMBING, MECHANICAL AND PLUMBING DRAWINGS AND PROVIDE FRAMING AS REQUIRED TO ACCOMMODATE MECHANICAL AND PLUMBING SYSTEMS
1" REVEAL SHALL BE REQUIRED AT ALL AREAS WHERE GYPSUM INTERSECTS CMU.

LIGHTING/ELECTRICAL NOTES
COORDINATE LIGHTING LAYOUTS WITH ELECTRICAL DRAWINGS. CONTACT ARCHITECT WITH ANY DISCREPANCIES

KEY PLAN
SCALE: N.T.S.

LATHAN McKEE ARCHITECTS

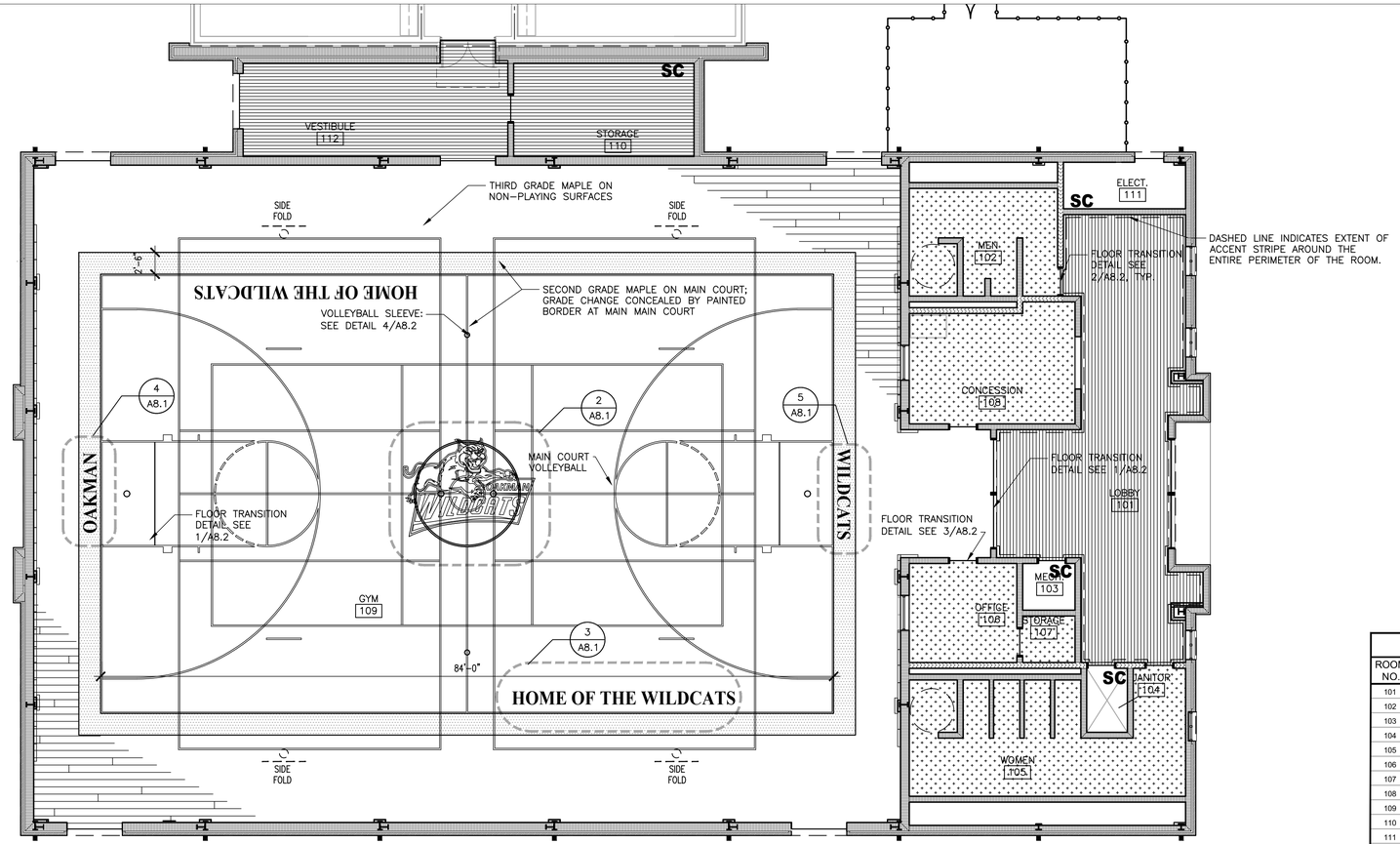
NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
REFLECTED CEILING PLAN

STATE OF ALABAMA
No. 7007
RYAN D. VERNON
REGISTERED ARCHITECT

PROJ. MGR.: H. RASCO
DRAWN: ELM
DATE: AUGUST 31, 2026
REVISIONS

JOB NO. 25-70R
SHEET NO:
A7.1
23 OF 27



1 MAIN LEVEL FLOOR FINISH PLAN

1/8" = 1'-0"

BASE(RUBBER/CERAMIC/PORCELAIN/WOOD)

ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION
RB-1	ROPPE	COLOR: BLACK/BROWN 193 6" HIGH BASE	SEE SCHEDULE
ERB-1	TORGINOL	MATCH ERF-1 4" INTEGRAL COVE BASE	SEE SCHEDULE
VCB-1	ROBBINS	VENTED COVE BASE COLOR: BLACK	SEE SCHEDULE

LUXURY VINYL TILE

ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION
LVT-1	INTERFACE	COLOR: A00702 PEWTER COLLECTION: STUDIO SET LVT	CORRIDOR FIELD
LVT-2	INTERFACE	COLOR: TO BE DETERMINED COLLECTION: STUDIO SET LVT	ACCENT
LVT-3	INTERFACE	COLOR: TO BE DETERMINED COLLECTION: STUDIO SET LVT	ACCENT

EPOXY/QUARTZ FLAKES

ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION
ERF-1	TORGINOL	COLOR:B-307 1/4" FLAKES	SEE FINISH SCHEDULE

PLASTIC LAMINATE

ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION
PL-1	WILSONART	COLOR: D976K-18 STUDIO TEAK EDGEBAND: MATCH LAMINATE	COUNTERTOPS/CABINETS AND SINK BASE CABINETS

PAINT/STAIN

ITEM	MANUFACTURER	ITEM NUMBER/NAME	TYPE/LOCATION
PNT-1	SHERWIN WILLIAMS	COLOR: SW 7051 ANALYTICAL GRAY	GENERAL WALLS EPOXY AT WET AREAS
PNT-2	SHERWIN WILLIAMS	COLOR:SW 7046 ANONYMOUS	GENERAL TRIM WOOD BASE
PNT-3	SHERWIN WILLIAMS	COLOR: SW 7007 CEILING BRIGHT WHITE	EXPOSED CEILING ACCENT STRIPE
PNT-4	SHERWIN WILLIAMS	COLOR: SW 6524 COMMODORE	ACCENT STRIPE

WOOD FLOOR

ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION
WD-1	ROBBINS	COLOR: CLEAR COAT GRADE 1	GYMNASIUM
WD-2	ROBBINS	COLOR: CLEAR COAT GRADE 3	GYMNASIUM

FINISH ABBREVIATION LEGEND

APF	ACOUSTIC PANEL FABRIC.	PL	PLASTIC LAMINATE	TP	TACKABLE ACOUSTIC PANEL
CC	COATED CONCRETE	PM	PANEL, MOULDING	TS	TACKABLE SURFACE
CM	CROWN MOLDING	PNT	PAINT	VCB	VENTED COVE BASE
CPT	CARPET	PT	PORCELAIN TILE	VCT	VINYL COMP. TILE
CR	CHAIR RAIL	PTB	PORCELAIN TILE BASE	WB	WOOD BASE
CWT	CERAMIC WALL TILE	QT	QUARRY TILE	WC	WALLCOVERING
ERB	EPOXY RESIN BASE	QTB	QUARRY TILE BASE	WF	WOOD FLOORING
ERF	EPOXY RESIN FLOOR	RB	RUBBER BASE	WP	WOOD PANELING
ESD	STATIC CONTROL TILE	RF	RUBBER FLOOR	WV	WOOD VENEER
GYP	GYPSUM BOARD	SC	SEALED CONCRETE		
IC	IMPRINTED CONCRETE	STC	STAINED CONCRETE		
LVT	LUXURY VINYL TILE	SS	SOLID SURFACE		
		ST	STAIN		

FINISH NOTES

ALL WALLS TO BE PAINTED PNT -1 UNLESS NOTED OTHERWISE.

ALL WALLS LOCATED IN WET AREAS SHALL HAVE EPOXY BASED PAINT

ALL ROOM NUMBERS SHOULD BE USED FOR CONSTRUCTION PURPOSES ONLY.

FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	MILLWORK		WALLS				DOOR FRAME	NOTES
				FACE	TOP	NORTH	SOUTH	EAST	WEST		
101	LOBBY	LVT-1/2/3	RB-1	-	-	PNT-1/3/4	PNT-1/3/4	PNT-1/3/4	PNT-1/3/4	PNT-2	ACCENT STRIPE ON ALL WALLS, SEE 1/A6.1
102	MEN	ERF-1	ERB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN WET AREAS
103	MECHANICAL	SC	RB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
104	JANITOR	SC	RB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN WET AREAS
105	WOMEN	ERF-1	ERB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN WET AREAS
106	OFFICE	ERF-1	ERB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
107	STORAGE	ERF-1	ERB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN WET AREAS
108	CONCESSION	ERF-1	ERB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN WET AREAS
109	GYM	WD-1/2	VCB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
110	STORAGE	LVT-1	RB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
111	VESTIBULE	LVT-1	RB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	
112	ELECTRICAL	SC	NO BASE			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT IN WET AREAS

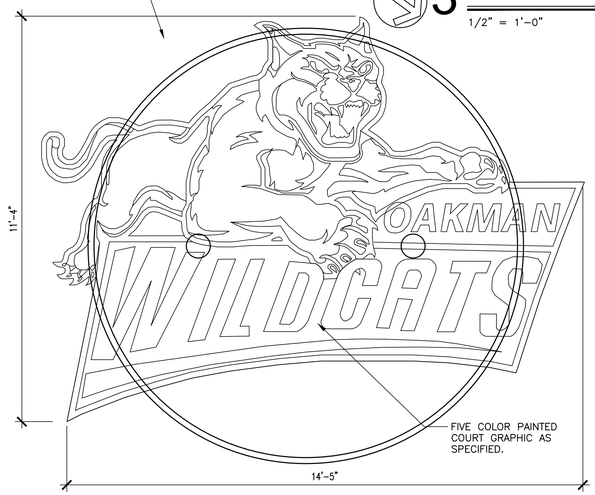
HOME OF THE WILDCATS

25'-5½"

1'-6"

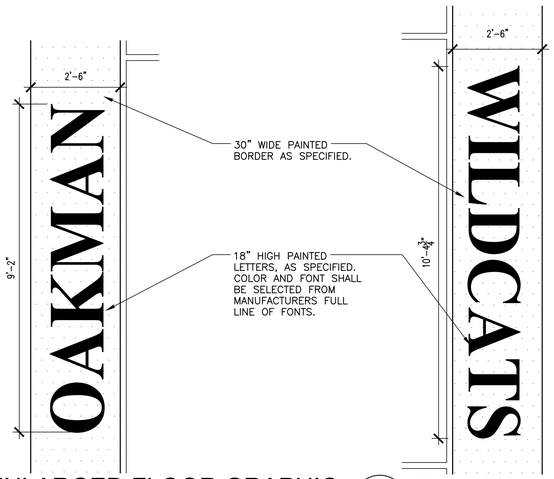
18" HIGH PAINTED LETTERS, AS SPECIFIED. COLOR AND FONT SHALL BE SELECTED FROM MANUFACTURERS FULL LINE OF FONTS.

COURT LINES HAVE BEEN REMOVED FOR CLARITY



3 ENLARGED FLOOR GRAPHIC

1/2" = 1'-0"



2 ENLARGED FLOOR GRAPHIC

1/2" = 1'-0"

4 ENLARGED FLOOR GRAPHIC

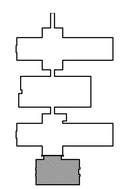
1/2" = 1'-0"

5 ENLARGED FLOOR GRAPHIC

1/2" = 1'-0"

FINISH PATTERN LEGEND

- LVT-1 LUXURY VINYL TILE
- LVT-2 LUXURY VINYL TILE
- LVT-3 LUXURY VINYL TILE
- ERF-1 EPOXY RESIN FLOOR
- PT-1 PORCELAIN FLOOR TILE
- SC SC-1 SEALED CONCRETE
- WD-1 WOOD GYMNASIUM FLOOR



KEY PLAN

SCALE: N.T.S.

LATHAN McKEE ARCHITECTS

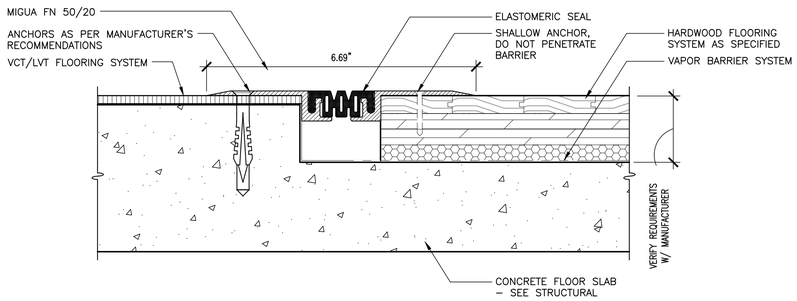
NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
FLOOR FINISH PLAN
FINISH SCHEDULE AND LEGENDS

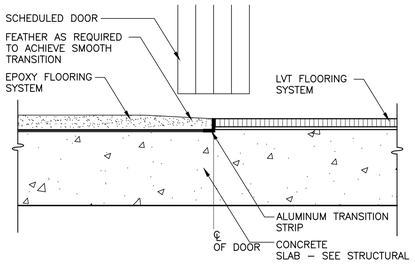
STATE OF ALABAMA
No. 7007
RYAN D. VERNON
REGISTERED ARCHITECT

PROJ. MGR.: H. RASCO
DRAWN: B.LOGAN
DATE: AUGUST 31, 2026
REVISIONS
1 04.20.26 ADD #3

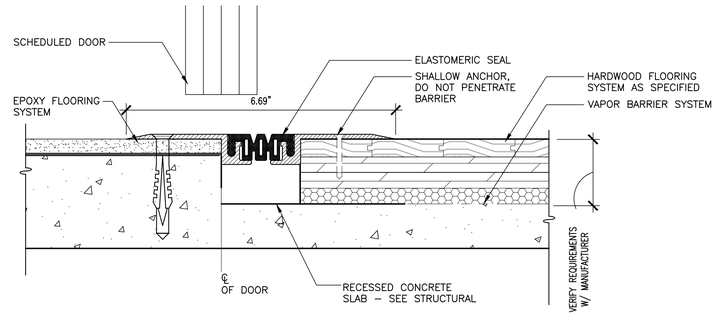
JOB NO. 25-70R
SHEET NO:
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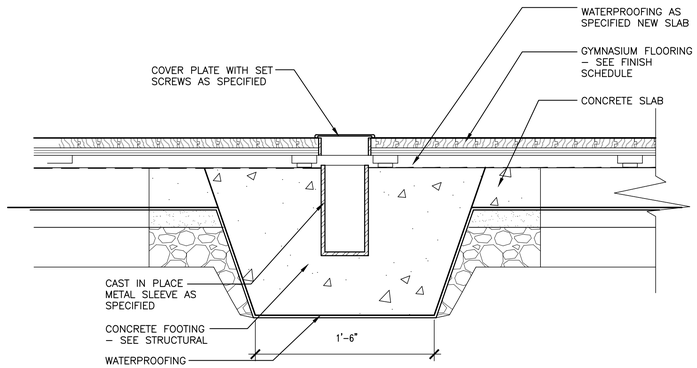
1 DETAIL @ VCT/LVT SYSTEM TO WOOD FLOOR
NOT TO SCALE



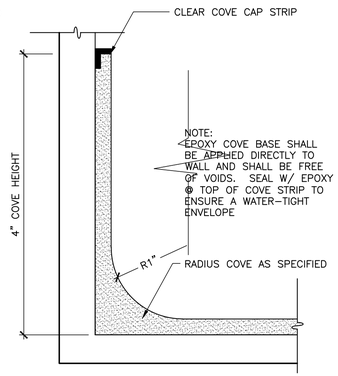
2 DETAIL @ VCT/LVT SYSTEM TO EPOXY FLOOR SYSTEM
NOT TO SCALE



3 DETAIL @ EPOXY FLOOR SYSTEM TO WOOD FLOOR
NOT TO SCALE



4 DETAIL @ VOLLEYBALL POLE SLEEVE
NOT TO SCALE



5 DETAIL @ VCT/LVT SYSTEM TO EPOXY FLOOR SYSTEM
NOT TO SCALE

KEY PLAN
SCALE: N.T.S.

LATHAN McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

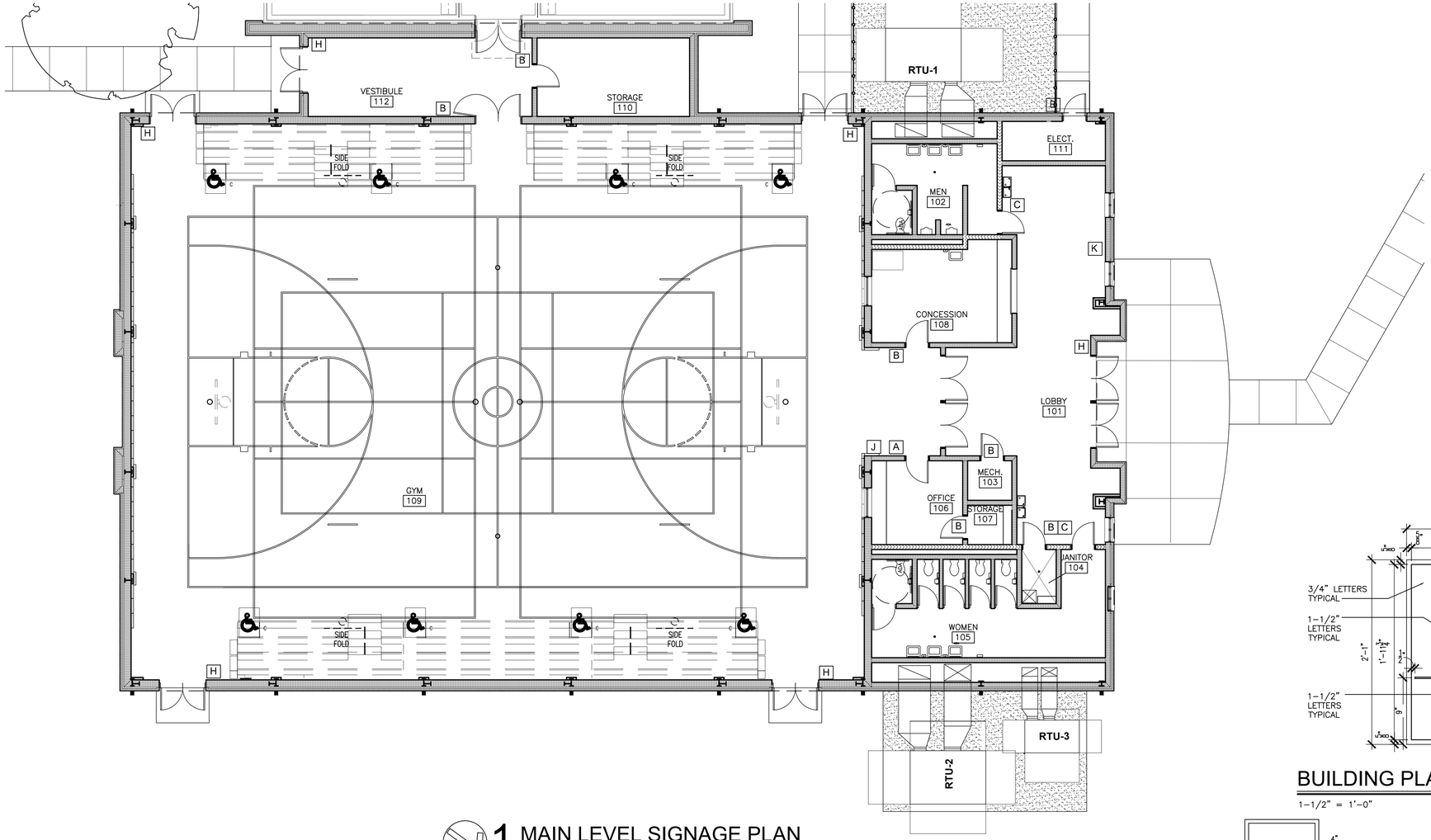
SHEET TITLE:
TRANSITION DETAILS

STATE OF ALABAMA
No. 7007
RYAN D. VERNON
REGISTERED ARCHITECT

PROJ. MGR.: H. RASCO
DRAWN: B.LOGAN
DATE: AUGUST 31, 2026
REVISIONS

JOB NO. 25-70R
SHEET NO:
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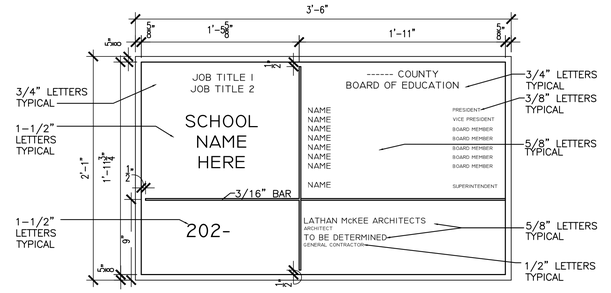
0 1" 2"



1 MAIN LEVEL SIGNAGE PLAN

1/8" = 1'-0"

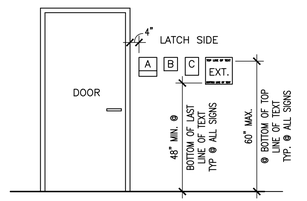
INTERIOR SIGNAGE LEGEND	
A	SIGN WITH MESSAGE STRIP (OFFICES/CLASSROOM/INSTRUCTIONAL AREA)
B	ROOM NUMBER AND NAME (STORAGE, ELECTRICAL, ETC)
C	RESTROOM SIGNAGE WITH PICTOGRAM/BRAILLE
D	ELEVATOR SIGNAGE WITH PICTOGRAM/BRAILLE
E	STAIR SIGNAGE WITH PICTOGRAM/BRAILLE
F	AREA OF REFUGE SIGN
G	FRAMED CLEAR VIEW SIGNAGE (8.5X11)
H	TACTILE EXIT SIGN TO EXTERIOR (EXIT)
J	OCCUPANT LOAD SIGN (ASSEMBLY SPACES)
K	BUILDING DEDICATION PLAQUE



BUILDING PLAQUE (SIGN - TYPE K)

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

FINAL VERBIAGE SHALL BE VERIFIED PRIOR TO FABRICATION

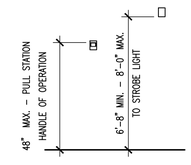


SIGNAGE LEGEND:
A – OFFICES, CLASSROOMS, INSTRUCTIONAL AREAS SIGNAGE
B – OTHER INTERIOR DOOR SIGNAGE
C – RESTROOM SIGNAGE W/ PICTOGRAM
D – EXTERIOR SIGNAGE

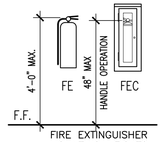
NOTE:
1. TYPICAL SIGNAGE LOCATION AND HEIGHTS SHOWN. SEE SPECIFICATIONS FOR SIGN SIZE AND REQUIREMENTS.
2. ALIGN TOP OF ALL SIGNS AS SHOWN, TYPICAL UNLESS OTHERWISE REQUIRED BY THE AMERICANS WITH DISABILITIES ACT.
3. SEE TORNADO SHELTER PLANS FOR SHELTER SIGNAGE IF APPLICABLE.

TYPICAL MOUNTING HEIGHTS

3/8" = 1'-0"

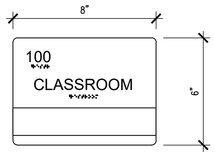


FIRE EQUIPMENT MOUNTING HEIGHTS



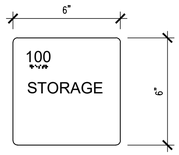
FIRE EXTINGUISHER MOUNTING HEIGHTS

NOTE:
1. 4" MAX. PROJECTION FROM WALL
2. MEASURE FROM HANDLE OF EXTINGUISHER NOT CABINET HANDLE



INTERIOR SIGNAGE (SIGN TYPE - A)

SCALE: 3" = 1'-0"



INTERIOR SIGNAGE (SIGN TYPE - B)

SCALE: 3" = 1'-0"



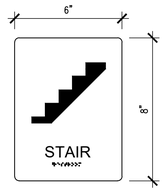
INTERIOR SIGNAGE (SIGN TYPE - C)

SCALE: 3" = 1'-0"



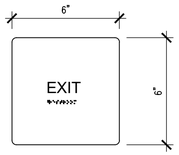
INTERIOR SIGNAGE (SIGN TYPE - D)

SCALE: 3" = 1'-0"



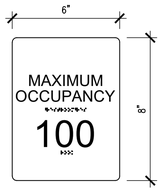
INTERIOR SIGNAGE (SIGN TYPE - E)

SCALE: 3" = 1'-0"



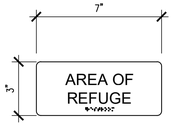
INTERIOR SIGNAGE (SIGN TYPE - H)

SCALE: 3" = 1'-0"



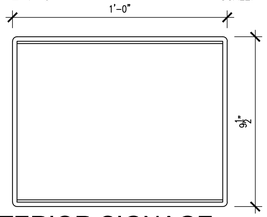
INTERIOR SIGNAGE (SIGN - TYPE J)

SCALE: 3" = 1'-0"



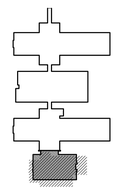
INTERIOR SIGNAGE (SIGN TYPE - F)

SCALE: 3" = 1'-0"



INTERIOR SIGNAGE (SIGN TYPE - G)

SCALE: 3" = 1'-0"



KEY PLAN

SCALE: N.T.S.

LATHAN McKEE ARCHITECTS

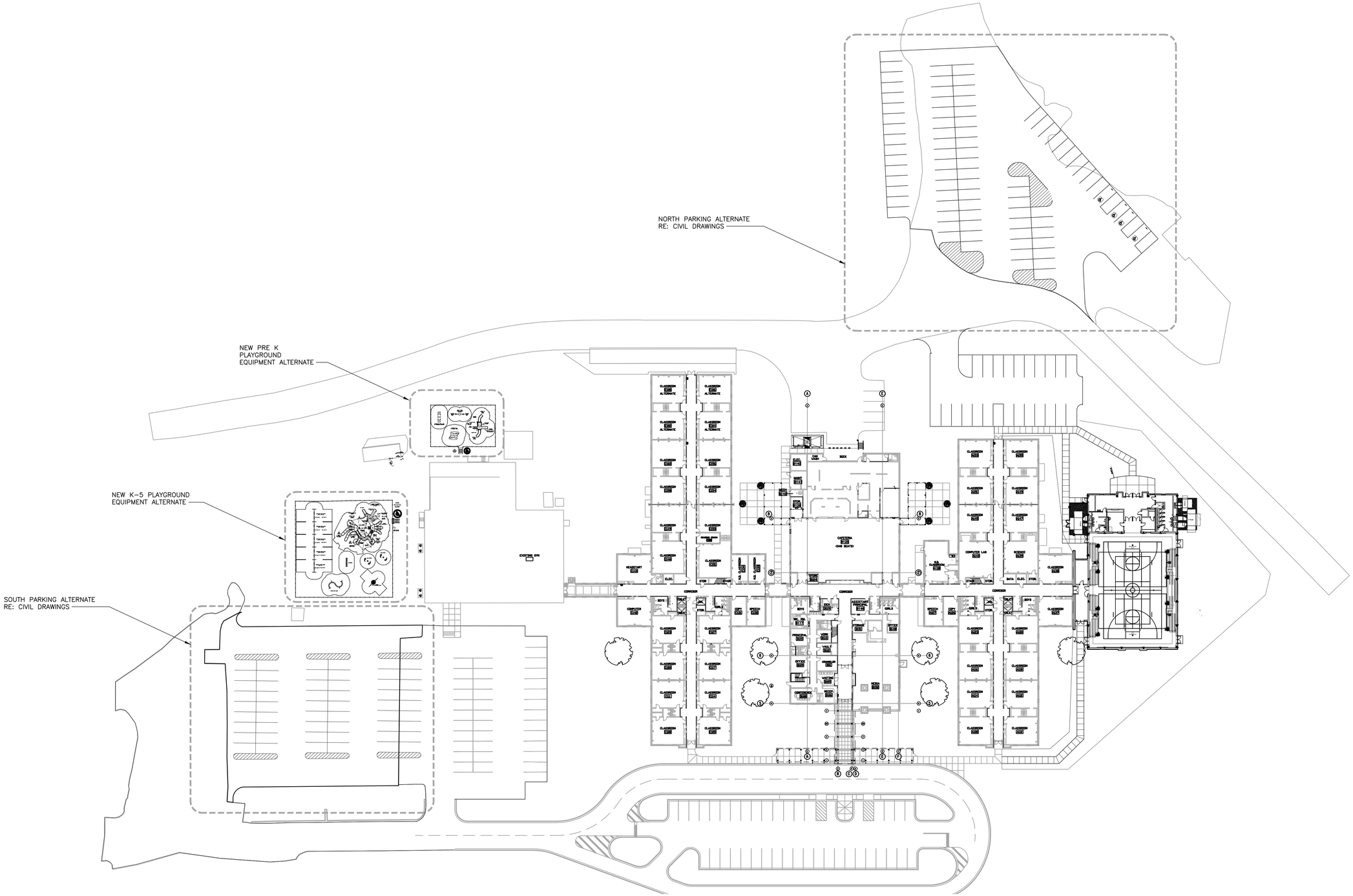
NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
SIGNAGE PLAN

STATE OF ALABAMA
No. 7007
RYAN D. VERNON
REGISTERED ARCHITECT

PROJ. MGR.: H. RASCO
DRAWN: B.LOGAN
DATE: AUGUST 31, 2026
REVISIONS

JOB NO. 25-70R
SHEET NO:
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1 ARCHITECTURAL SITE PLAN

SCALE: 1" = 40'-0"

LATHAN McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
ARCHITECTURAL SITE PLAN
- ALTERNATES

STATE OF ALABAMA
No. 7007
RYAN D. VERNON
REGISTERED ARCHITECT

PROJ. MGR.: H. RASCO
DRAWN: ELM

DATE: AUGUST 31, 2026

REVISIONS

JOB NO. 25-70R

SHEET NO:
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0 1" 2"

GENERAL NOTES

SDG
STRUCTURAL DESIGN GROUP
300 Chase Park South, Suite 125
Hoover, AL 35244
tel 205-824-5200
fax 205-824-5280
Job Number 26-003A

1.0 DESIGN CRITERIA

1.1 CODES AND SPECIFICATIONS:

A. GENERAL BUILDING CODE:
INTERNATIONAL BUILDING CODE, 2021 EDITION.

B. CONCRETE:
BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-19)

C. STRUCTURAL STEEL:
SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, AMERICAN INSTITUTE OF STEEL CONSTRUCTION (ANSI/AISC 360-16)

D. MASONRY
SPECIFICATIONS FOR MASONRY STRUCTURES (TMS 602-16).
BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 402-16).

NATIONAL CONCRETE MASONRY ASSOCIATION'S STANDARD PRACTICES AND "SPECIFICATION FOR THE DESIGN AND CONSTRUCTION OF LOAD BEARING CONCRETE MASONRY", LATEST EDITION

E. TIMBER:
NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, AMERICAN FOREST AND PAPER ASSOCIATION (AWC NDS 2018 & AWC SDPWS 2021)

F. COLD-FORMED STEEL FRAMING: AISI NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, AMERICAN IRON AND STEEL INSTITUTE (AISI S100-16(2020) w/S2-20)

OTHER APPLICABLE AISI STANDARDS, AMERICAN IRON AND STEEL INSTITUTE, LATEST EDITION

1.2 DESIGN GRAVITY LOADS (PSF):

A. DEAD LOADS:
ANY CHANGES IN CONSTRUCTION MATERIALS FROM THOSE SHOWN ON THE ARCHITECTURAL OR STRUCTURAL DRAWINGS SHALL BE REPORTED BY THE GENERAL CONTRACTOR TO THE STRUCTURAL ENGINEER FOR VERIFICATION OF LOAD-CARRYING CAPACITY OF THE STRUCTURE.

B. FLOOR LIVE LOADS:
NON-REDUCIBLE PARTITION LIVE LOAD OF 20 PSF HAS BEEN INCLUDED PER IBC SECTION 1607.5.

LIVE LOAD REDUCTIONS AS DETERMINED BY IBC SECTION 1607.12 HAVE BEEN TAKEN WHERE PERMITTED.

FLOOR (REDUCIBLE)----------100
STAIRS & EXITWAYS----------100
STORAGE----------125
MECHANICAL ROOM----------150

C. ROOF LIVE LOADS:
WHERE PERMITTED ROOF LIVE LOADS ARE REDUCED FROM THE BASE VALUE SHOWN BELOW IN ACCORDANCE WITH IBC SECTION 1607.14

ROOF----------20

D. ROOF SNOW LOADS:
GROUND SNOW LOAD (Pg)----------10.0
IMPORTANCE FACTOR (I)----------1.0
EXPOSURE FACTOR (Ce)----------1.0
THERMAL FACTOR (Ct)----------1.0

1.3 DESIGN LATERAL LOADS:

A. WIND LOADS:
RISK / OCCUPANCY CATEGORY: III
BASIC WIND SPEED (3-SECOND GUST)----------114MPH
WIND EXPOSURE CATEGORY----------C
INTERNAL PRESSURE COEFFICIENTS---------- +/- 0.18
SEE TYPICAL DETAILS FOR COMPONENT AND CLADDING LOADS

B. SEISMIC LOADS:
RISK / OCCUPANCY CATEGORY: III
SEISMIC IMPORTANCE FACTOR----------1.25
MAPPED SPECTRAL RESPONSE ACCELERATIONS:
SS----------0.304
S1----------0.111
SITE CLASS----------C
SPECTRAL RESPONSE COEFFICIENTS:
SDS----------0.263
SD1----------0.111
SEISMIC DESIGN CATEGORY----------B

THE FOLLOWING INFORMATION SHALL BE PROVIDED BY THE METAL BUILDING MANUFACTURER:

BASIC SEISMIC FORCE RESISTING SYSTEM
DESIGN BASE SHEAR
SEISMIC RESPONSE COEFFICIENT, Cs
RESPONSE MODIFICATION FACTOR, R
ANALYSIS PROCEDURE

2.0 GENERAL CONDITIONS

2.1 THE STRUCTURAL DRAWINGS AND SPECIFICATIONS ARE A PORTION OF THE CONSTRUCTION DOCUMENTS. THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL REFERENCE AND COORDINATE WITH OTHER DISCIPLINE'S DRAWINGS. ANY DISCREPANCIES OR OMISSIONS SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT AND STRUCTURAL DESIGN GROUP.

2.2 ALL REPORTS, PLANS, SPECIFICATIONS, COMPUTER FILES, FIELD DATA, NOTES, AND OTHER DOCUMENTS AND INSTRUMENTS PREPARED BY STRUCTURAL DESIGN GROUP AS INSTRUMENTS OF SERVICE SHALL REMAIN THE PROPERTY OF STRUCTURAL DESIGN GROUP. STRUCTURAL DESIGN GROUP SHALL RETAIN ALL COMMON LAW, STATUTORY, AND OTHER RESERVED RIGHTS, INCLUDING THE COPYRIGHT THERETO.

2.3 WHERE SHOP DRAWINGS, CALCULATIONS, OR SUBMITTALS ARE CALLED FOR IN THE PROJECT DOCUMENTS (DRAWINGS AND SPECIFICATIONS) AND ARE NOT PROVIDED BY THE CONTRACTOR, THE CONTRACTOR ASSUMES TOTAL RESPONSIBILITY FOR THE DESIGN AND ASSOCIATED WORK.

2.4 ENGINEER'S SHOP DRAWING REVIEW IS LIMITED TO REVIEW FOR GENERAL CONFORMANCE WITH THE DESIGN INTENT REFLECTED IN THE STRUCTURAL PORTION OF THE CONTRACT DOCUMENTS. THIS REVIEW DOES NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH THE DRAWINGS, SPECIFICATIONS OR OTHER PROJECT CONTRACT DOCUMENTS. NO RESPONSIBILITY IS ASSUMED OR IMPLIED FOR THE CORRECTNESS OF DIMENSIONS OR DETAILS. THIS REVIEW DOES NOT AUTHORIZE CHANGES TO THE CONTRACT SUM UNLESS STATED IN A SEPARATE WRITTEN FORM OR CHANGE ORDER. CONTRACTOR SHALL CONFIRM AND CORRELATE ALL QUANTITIES AND DIMENSIONS, SELECT FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATE HIS WORK WITH THAT OF OTHER TRADES, AND PERFORM HIS WORK IN A SAFE AND SATISFACTORY MANNER. CONTRACTOR SHALL ALSO REFER TO THE REQUIREMENTS OF THE GENERAL AND SUPPLEMENTARY GENERAL CONDITIONS.

2.5 ALL DETAILS SHOWN ARE TYPICAL. SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS, UNLESS NOTED.

2.6 VERIFY ALL DIMENSIONS AND DETAILS SHOWN ON THESE DRAWINGS. ANY DISCREPANCIES OR OMISSIONS FOUND SHALL BE REPORTED TO THE ENGINEER AND OTHER DESIGN PROFESSIONALS AS APPROPRIATE FOR RESOLUTION PRIOR TO PROCEEDING WITH ANY RELATED WORK.

2.7 THESE DRAWINGS DO NOT INCLUDE PROVISIONS TO SATISFY JOB SITE SAFETY REQUIREMENTS. CONTRACTOR IS SOLELY RESPONSIBLE FOR ENSURING SAFETY DURING CONSTRUCTION, AND FOR CONFORMANCE TO ALL APPLICABLE OSHA STANDARDS. JOBSITE VISITS BY ENGINEER SHALL NOT CONSTITUTE APPROVAL, AWARENESS OR LIABILITY FOR ANY HAZARDOUS CONDITIONS.

2.8 STRUCTURAL DESIGN GROUP IS NOT RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS, SAFETY PROCEDURES, CONSTRUCTION SUPERVISION OR SITE SAFETY, AND DOES NOT HAVE THE AUTHORITY TO STOP WORK FOR THESE ITEMS.

2.9 STRUCTURAL OBSERVATION IS VISUAL OBSERVATION OF THE IN PLACE STRUCTURE FOR GENERAL CONFORMANCE TO THE APPROVED CONSTRUCTION DOCUMENTS AT THE TIME OF THE OBSERVATION AND SHALL NOT BE CONSTRUED AS INSPECTION OR APPROVAL OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING TESTING AND SPECIAL INSPECTIONS PER THE REQUIREMENTS IN THE PROJECT MANUAL.

2.10 THE CONTRACTOR IS SOLELY RESPONSIBLE FOR BRACING AND SHORING ALL EXCAVATIONS, DEWATERING OF EXCAVATION FROM EITHER SURFACE WATER, GROUND WATER OR SEEPAGE, TEMPORARY AND EXISTING STRUCTURES, AND PARTIALLY COMPLETED PORTIONS OF THE WORK TO ASSURE THE SAFETY OF ANY PERSON COMING IN CONTACT WITH THE WORK.

2.11 OBSERVATION BY THE ENGINEER OF RECORD'S OFFICE DOES NOT REPLACE INSPECTIONS AND TESTING BY THE TESTING AGENCY OR SPECIAL INSPECTOR.

2.12 ALL SUBMITTALS: IF THERE ARE QUESTIONS, CLARIFICATIONS, MODIFICATIONS, OR ITEMS WHERE INFORMATION, A RESPONSE, OR APPROVAL IS REQUESTED, SUCH ITEMS SHALL BE WRITTEN ON THE TRANSMITTAL OR COVER SHEET. INDICATING SUCH ITEMS ON THE SHOP DRAWINGS, WITHIN ANY CALCULATIONS, OR PRODUCT DATA IS NOT SUFFICIENT. WHERE SUCH ITEMS ARE NOT SPECIFICALLY LISTED ON THE TRANSMITTAL OR COVER SHEET IN ACCORDANCE WITH THESE GENERAL NOTES AND THE SPECIFICATIONS, SUCH ITEMS ARE NOT TO BE CONSIDERED APPROVED OR CONSIDERED. IF A QUESTION, CLARIFICATION, MODIFICATION, OR REQUEST FOR INFORMATION IS MADE AND NOT SPECIFICALLY RESPONDED TO BY STRUCTURAL DESIGN GROUP, NO APPROVAL OR CONSENT SHALL BE ASSUMED. THE CONTRACTOR SHALL ASSUME TOTAL LIABILITY AND RESPONSIBILITY IN ALL CASES WHERE SPECIFIC WRITTEN RESPONSE FROM STRUCTURAL DESIGN GROUP IS NOT OBTAINED, REGARDLESS OF ANY OTHER ACTIONS TAKEN BY STRUCTURAL DESIGN GROUP.

3.0 FOUNDATIONS

3.1 GEOTECHNICAL REPORT: FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL REPORT BY TERRACON, TITLED "OAKMAN MIDDLE SCHOOL GYMNASIUM PROJECT NO.E1265001 " ALONG WITH ANY SUPPLEMENTAL CORRESPONDENCE. THE GENERAL CONTRACTOR SHALL OBTAIN A COPY OF THE GEOTECHNICAL REPORT FROM THE OWNER AND FOLLOW ALL REQUIREMENTS AND RECOMMENDATIONS. GEOTECHNICAL RECOMMENDATIONS SHALL TAKE PRECEDENCE OVER THE ITEMS THAT FOLLOW IN THIS SECTION OF THE STRUCTURAL GENERAL NOTES.

3.2 ASSUMED MAXIMUM ALLOWABLE BEARING PRESSURE PER GEOTECHNICAL REPORT:

A. BUILDING FOOTINGS: 5,000PSF IMPROVED WITH RAMMED AGGREGATE PIERS PER GEOTECHNICAL REPORT

3.3 RAMMED AGGREGATE PIERS:

A. RAMMED AGGREGATE PIERS SHALL BE DESIGNED AND INSTALLED BY A LICENSED INSTALLER.
B. INSTALLATION SHALL NOT OCCUR UNTIL FULL-SCALE MODULUS LOAD TEST IS PERFORMED IN GENERAL AREA OF SITE TO CONFIRM DESIGN ASSUMPTIONS.
C. UTILITIES SHALL NOT BE INSTALLED WITHIN 5 FEET OF RAMMED AGGREGATE PIERS. SPECIAL DETAILS FOR UTILITIES WITHIN 5 FEET OF RAMMED AGGREGATE PIERS WILL APPLY. MANUFACTURER SHALL PROVIDE REQUIREMENT FOR EXCAVATIONS NEAR RAMMED AGGREGATE PIERS FOR CASES PRIOR TO INSTALLATION, PRIOR TO CONCRETE PLACEMENT AND AFTER CONCRETE PLACEMENT.
D. WHERE TEMPORARY SHORING OR STEEL CASING IS REQUIRED FOR INSTALLATION OF RAMMED AGGREGATE PIERS, SUCH DESIGN SHALL BE BY THE RAMMED AGGREGATE PIER MANUFACTURER.

3.4 ALL FOUNDATION BEARING SURFACES SHALL BE REVIEWED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE TO ENSURE THEIR COMPLIANCE WITH PRESSURES NOTED. ALL FOOTING ELEVATIONS ARE ESTIMATED AND MAY BE ADJUSTED IN THE FIELD BY THE GEOTECHNICAL ENGINEER.

3.5 COMPACTED FILL WITHIN THE BUILDING AREA (AND EXTENDING 10'-0" OUTSIDE THE EXTERIOR BUILDING LINE) SHALL MEET THE REQUIREMENTS NOTED IN THE GEOTECHNICAL REPORT.

3.6 BACKFILL FOR FOUNDATION AND RETAINING WALLS SHALL BE A FREE DRAINING GRANULAR MATERIAL, SUCH AS SIZE #57 STONE. BACKFILL SHALL BE COMPACTED SUFFICIENTLY TO PREVENT SUBSIDENCE OF SURFACE ADJACENT TO WALL. THE GRANULAR MATERIAL SHALL BE PLACED IN A 45 DEGREE WEDGE EXTENDING FROM THE BASE OF THE FOOTING TO WITHIN 18" OF FINISH GRADE ON EXTERIOR AND TO UNDERSIDE OF SLAB ON INTERIOR. AT EXTERIOR, CAP GRANULAR BACKFILL WITH 18" OF SOIL.

3.7 GRANULAR BACKFILL SUPPORTING A FOOTING SHALL BE COMPACTED UNDER THE DIRECT SUPERVISION OF THE GEOTECHNICAL ENGINEER OR HIS APPROVED REPRESENTATIVE. PROVIDE A 12" THICK CAP OF PROPERLY COMPACTED CRUSHER RUN STONE BETWEEN THE FOOTING AND THE PROPERLY COMPACTED GRANULAR BACKFILL. EXTEND CRUSHER RUN CAP TWO FEET BEYOND THE PERIMETER OF THE FOOTING OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER.

3.8 FOUNDATION AND RETAINING WALLS SHALL NOT BE BACKFILLED UNTIL CONCRETE HAS ATTAINED THE REQUIRED 28 DAY COMPRESSIVE STRENGTH.

3.9 DO NOT PLACE BACKFILL AGAINST FOUNDATION WALLS UNTIL UPPER BRACING FLOORS ARE IN PLACE FOR AT LEAST SEVEN DAYS AND HAVE ATTAINED 75% OF DESIGN STRENGTH.

3.10 WHERE CONCRETE WALLS SUPPORT EARTH ON BOTH SIDES, BACKFILL EACH SIDE SIMULTANEOUSLY.

3.11 WHERE SPREAD FOOTINGS ARE AT THE SAME ELEVATION AS CONTINUOUS WALL FOOTINGS, REINFORCING STEEL IN CONTINUOUS WALL FOOTINGS SHALL EXTEND THRU SPREAD FOOTINGS. WHERE SPREAD FOOTINGS ARE BELOW CONTINUOUS WALL FOOTINGS, CONTINUOUS WALL FOOTINGS ARE TO STEP DOWN ONTO SPREAD FOOTINGS.

3.12 SUBGRADE AND GRANULAR FILL SUPPORTING SLABS ON GRADE SHALL BE AS RECOMMENDED BY THE GEOTECHNICAL REPORT AND COMPACTED UNDER THE DIRECT SUPERVISION OF THE GEOTECHNICAL ENGINEER OR HIS APPROVED REPRESENTATIVE. SEE SPECIFICATIONS FOR VAPOR RETARDER BENEATH SLABS ON GRADE

3.13 NO EXCAVATION SHALL BE CLOSER THAN AT A SLOPE OF 2:1 (TWO HORIZONTAL TO ONE VERTICAL) TO A FOOTING.

3.14 PROVIDE A MINIMUM OF 4" OF #57 STONE GRANULAR FILL SUPPORTING SLABS ON GRADE. THE BUILDING FLOOR SLAB SUBGRADE SHALL BE INSTALLED UNDER THE DIRECT SUPERVISION OF THE GEOTECHNICAL ENGINEER OR HIS APPROVED REPRESENTATIVE. THE SUBGRADE SHALL BE INSTALLED TO A MINIMUM MODULUS OF SUBGRADE REACTION OF 100PSI. THE GEOTECHNICAL ENGINEER AND CONTRACTOR SHALL PERFORM EARTHWORK AS REQUIRED TO MEET THIS SPECIFICATION.

3.15 VAPOR RETARDER BENEATH SLABS ON GRADE, UNLESS NOTED, SHALL MEET ASTM E 1745, CLASS A, 15 MIL MINIMUM THICKNESS WITH MANUFACTURER'S RECOMMENDED ADHESIVE OR PRESSURE-SENSITIVE TAPE AND PIPE BOOTS, SUCH AS W.R. MEADOWS INC. PRODUCT PERMINATOR 15.

3.16 SOIL INSPECTION AND TESTING SHALL BE PERIODIC.

A. VERIFY BEARING CAPACITY OF SOILS BENEATH FOOTINGS IS IN ACCORDANCE WITH THE APPROVED PROJECT SOILS REPORT.

B. VERIFY ASSUMED BEARING CAPACITIES (AS NOTED ON THE DRAWINGS, RECOMMENDED BY THE GEOTECHNICAL ENGINEER) AND DETERMINE THE SETTLEMENTS OF SOILS BENEATH FOOTINGS AND BUILDING PAD.

C. VERIFY SITE PREPARATION PRIOR TO BEGINNING FILL PLACEMENT. VERIFY FILL MATERIAL TYPE, PLACEMENT METHOD, LIFT THICKNESS, AND COMPACTION OF FILL MATERIAL. VERIFY IN-PLACE DENSITY OF COMPACTED FILL.

4.0 CONCRETE

4.1 CONCRETING OPERATIONS SHALL COMPLY WITH ACI STANDARDS.

4.2 CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS (PSI), TYPE OF CONCRETE, MAXIMUM WATER/CEMENTITIOUS RATIO, AIR CONTENT, SLUMP, AND CONCRETE USE:

STRENGTH	TYPE	MAX W/C	AIR	SLUMP	USE
3000	NORMAL WT.	0.57	----	3" TO 5"	FOOTINGS
3500	NORMAL WT.	0.50	----	3" TO 5"	SLABS ON GRADE
4000	NORMAL WT.	0.45	4-6%	3" TO 5"	UNLESS NOTED

4.3 REINFORCING BARS: ASTM A615 GRADE 60.

4.4 REINFORCING STEEL SHOWN IN SECTIONS AND DETAILS ARE A SCHEMATIC INDICATION THAT REINFORCING EXISTS. SEE SCHEDULES, SECTION NOTES AND GENERAL NOTES FOR ACTUAL REINFORCING REQUIRED.

4.5 REINFORCING BAR PLACING ACCESSORIES IN ACCORDANCE WITH ACI MANUAL OF STANDARD PRACTICE. WHERE CONCRETE IS EXPOSED IN FINISHED BUILDING, PROVIDE ACCESSORIES WITH RUSTPROOF LEGS. WHERE CONCRETE IS SAND-BLASTED OR BUSH-HAMMERED, PROVIDE ACCESSORIES OF STAINLESS STEEL.

4.6 DETAIL REINFORCEMENT IN ACCORDANCE WITH ACI 315. REINFORCEMENT SHALL NOT BE WELDED UNLESS NOTED OR APPROVED BY THE ENGINEER.

4.7 ALL SPLICES SHALL BE CLASS "B" TENSION LAP SPLICE, UNLESS NOTED.

4.8 ALL REINFORCING MARKED "CONT." INDICATES REINFORCING SHALL BE "CONTINUOUS" SHALL BE SPLICED WITH CLASS "B" TENSION LAP SPLICE, UNLESS NOTED.

4.9 PROVIDE CORNER BARS AT ALL CORNERS OF CONTINUOUS REINFORCING IN FOOTINGS, SLABS, OR WALLS. CORNER BARS SHALL BE LONG ENOUGH TO PROVIDE A CLASS "B" LAP SPLICE OF REINFORCING BARS.

4.10 CONCRETE COVERAGE OF REINFORCEMENT, UNLESS NOTED:

FOOTINGS----------2" TOP & 3" BOTTOM & SIDES
COLUMNS & PEDESTALS----------1-1/2" CLEAR OF TIES
SLAB FACES NOT EXPOSED TO WEATHER OR EARTH----------3/4"
SLAB FACES EXPOSED TO WEATHER
A. #5 AND LESS----------1-1/2"
B. #6 AND GREATER----------2"

NOTE: SLAB ON GRADE WWR OR REINFORCEMENT EACH WAY SHALL BE 2" CLEAR FROM TOP OF SLAB. SEE EARTH SUPPORTED SLABS SECTION BELOW.

4.11 COLUMN, PEDESTAL AND WALL VERTICAL REINFORCING: DOWEL TO FOUNDATION WITH HOOKED BARS OF SAME SIZE AND SPACING AS VERTICAL REINFORCING.

4.12 WELDED WIRE REINFORCEMENT (WWR): ASTM A1064. MINIMUM LAP AND EMBEDMENT TO BE THE GREATER OF ONE CROSS WIRE SPACING PLUS 2 INCHES OR 8 INCHES.

4.13 EARTH SUPPORTED SLABS:

4" THICK, REINFORCED WITH 6x6 w2.9/w2.9 WWR FLAT SHEETS SUPPORTED 2" CLEAR OF TOP OF SLAB, UNLESS NOTED. WWR TO BE CHAIRED AT 36 INCHES EACH WAY MINIMUM. SEE FOUNDATION NOTES FOR SUBGRADE REQUIREMENTS.

PROVIDE CONTROL AND CONSTRUCTION JOINTS AT MAXIMUM OF 3-4 TIMES SLAB THICKNESS IN FEET OR AS REQUIRED TO PREVENT UNCONTROLLED CRACKING PER ACI RECOMMENDATIONS. AS AN EXAMPLE, FOR A 4" THICK SLAB, PROVIDE JOINTS SPACED 12 - 16 FEET MAXIMUM. PANELS TO BE RECTANGULAR WITH LONG SIDE NOT TO EXCEED 1-1/2x SHORT SIDE. CUTTING SHOULD BE STARTED AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT AGGREGATE FROM BEING DISLODGE. CONTRACTOR SUBMIT PLAN SHOWING LOCATION OF CONSTRUCTION AND CONTROL JOINTS.

FLOOR DESIGN AND CONSTRUCTION BASIS IS ACI 302 AND 360, AND IT IS UNREALISTIC TO EXPECT CRACK-FREE OR CURL-FREE FLOORS. IT IS NORMAL TO EXPECT SOME AMOUNT OF CRACKING AND CURLING IN THE SLAB ON GRADE, AND SUCH OCCURRENCE DOES NOT NECESSARILY REFLECT ADVERSELY ON EITHER THE ADEQUACY OF THE FLOOR DESIGN OR THE QUALITY OF ITS CONSTRUCTION.

EARTH SUPPORTED SLABS SHALL BE MOIST CURED FOR A MINIMUM OF SEVEN DAYS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. CURING COMPOUNDS, UNLESS NOTED, SHALL BE A MINIMUM OF CLEAR, WATERBORNE, MEMBRANE-FORMING CURING COMPOUND MEETING ASTM C 309, TYPE 1, CLASS B, SELF-DISSIPATING, CERTIFIED BY CURING COMPOUND MANUFACTURER TO NOT INTERFERE WITH BONDING OF FLOOR COVERING.

WHERE CONTROL JOINTS TERMINATE INTO NON-PARALLEL CONTROL JOINTS PROVIDE 2#4 X 6'-0" BARS MID DEPTH OF SLAB PERPENDICULAR TO TERMINAL CONTROL JOINT.

PROVIDE 2#4 X 6'-0" BARS MID DEPTH OF SLAB AT REENTRANT CORNERS.

4.14 CAST IN PLACE ALL SLEEVES AND INSERTS.

4.15 SLAB CRACKS THAT DEVELOP ON EXPOSED LEVELS SHOULD BE INJECTED WITH EPOXY TO LIMIT DETERIORATION OF THE REBAR.

4.16 IT SHALL BE THE RESPONSIBILITY OF THE OWNER TO ENSURE THAT PREVENTIVE MAINTENANCE IS PERFORMED THROUGHOUT THE SERVICE LIFE OF THE STRUCTURE. THE MAINTENANCE WILL INCLUDE SUCH THINGS AS CRACK SEALING, JOINT SEALING, EXPANSION JOINT REPAIRS, SEALER REPAIRS, SCALING REPAIRS, DRAINAGE INSPECTIONS, AND OTHER REPAIRS.

4.17 NO CONDUIT OR PIPE SHALL BE CAST IN THE SLAB ON GRADE WITHOUT THE WRITTEN APPROVAL OF STRUCTURAL DESIGN GROUP.

5.0 STRUCTURAL STEEL

5.1 FABRICATE AND ERECT ALL STRUCTURAL STEEL IN ACCORDANCE WITH AISC "SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".

5.2 THE STEEL FRAME IS "NON-SELF-SUPPORTING". ADEQUATE TEMPORARY SUPPORT MUST BE PROVIDED BY THE CONTRACTOR UNTIL REQUIRED CONNECTIONS OR ELEMENTS ARE IN PLACE.

5.3 STRUCTURAL STEEL: ASTM A992 FOR WIDE FLANGE BEAMS AND COLUMNS; ASTM A36 FOR CHANNELS, STIFFENER PLATES, BASE PLATES, COLUMN CAP PLATES, BEAM CONNECTION PLATES AND STEEL ANGLES.

5.4 HOLLOW STRUCTURAL SECTIONS (HSS): ASTM A500, GRADE C.

5.5 WELDED CONNECTIONS: E70XX ELECTRODES, MINIMUM SIZE FILLET WELD 3/16". WELDING QUALIFICATION, PROCEDURES AND PERSONNEL SHALL BE CERTIFIED ACCORDING TO AWS D1.1, THE STRUCTURAL WELDING CODE - STEEL.

5.6 THREADED AND PLAIN STEEL RODS: ASTM A36

5.7 ANCHOR RODS: ASTM F1554 GRADE 36 ANCHOR AND HEAVY HEX NUT OR ASTM F1554 GRADE 55 ANCHOR AND HEAVY HEX NUT WITH SUPPLEMENTARY REQUIREMENT S1, UNLESS OTHERWISE INDICATED.

5.8 HEADED STUDS: TYPE B SHEAR STUD CONNECTORS MADE FROM ASTM A108, GRADE 1015 OR 1020, COLD-FINISHED CARBON, AND COMPLYING WITH AWS D1.1.

5.9 ALL STRUCTURAL STEEL, INCLUDING EXPOSED BOLTS, NUTS, WASHERS OR ANCHOR RODS, EXPOSED TO WEATHER IN THE FINAL CONFIGURATION OF THE STRUCTURE SHALL BE HOT-DIP GALVANIZED, UNLESS NOTED, PER ASTM A 123/A 123M. VENT HOLES SHALL BE FILLED AND GROUND SMOOTH AFTER GALVANIZING. DAMAGE TO GALVANIZING SHALL BE PAINTED WITH GALVANIZING REPAIR PAINT, SSPC-PAINT 20. SEE 05120 SPECIFICATION FOR PAINT REQUIREMENTS FOR STEEL THAT IS GALVANIZED AND PAINTED.

5.10 ALL STEEL EXPOSED TO WEATHER, INCLUDING STEEL LINTELS FOR MASONRY OPENINGS, EXCEPT WHERE FABRICATED OF APPROVED CORROSION-RESISTANT STEEL OR OF STEEL HAVING A CORROSION RESISTANT OR OTHER APPROVED COATING, SHALL BE PROTECTED AGAINST CORROSION WITH AN APPROVED COAT OF PAINT, ENAMEL, OR OTHER APPROVED PROTECTION.

5.11 ALL HANDRAILS, GUARDRAILS, AND EMBEDS NOT SPECIFICALLY DETAILED ON THE DRAWINGS SHALL BE DESIGNED IN ACCORDANCE WITH THE APPLICABLE BUILDING CODE NOTED ABOVE, BY THE CONTRACTOR, UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED. CALCULATIONS SHALL BEAR THE SEAL OF THE PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED AND SHALL BE SUBMITTED FOR THE FILES OF THE ARCHITECT AND SHALL BE INCLUDED WITH THE SHOP DRAWINGS.

5.12 PROVIDE ¾" THICK CLOSURE PLATES ON THE ENDS OF TUBE STEEL BEAMS. SHOP WELD TO BEAM WITH ¼" PARTIAL PENETRATION WELDS ALL AROUND.

6.0 MASONRY

6.1 MASONRY CONSTRUCTION SHALL CONFORM TO TMS 602-16 SPECIFICATION.

6.2 ALL MASONRY MATERIALS AND CONSTRUCTION SHALL COMPLY WITH THE RECOMMENDATIONS OF BRICK INSTITUTE OF AMERICA (BIA) AND NATIONAL CONCRETE MASONRY ASSOCIATION (NCMA) AND MINIMUM REQUIREMENTS ESTABLISHED BY THE LOCAL BUILDING CODE.

6.3 MINIMUM COMPRESSIVE STRENGTH OF CONCRETE MASONRY UNIT (f'm) SHALL BE 2000 PSI AT 28 DAYS.

6.4 NET COMPRESSIVE STRENGTH FOR EACH CMU UNIT SHALL MEET OR EXCEED 2000 PSI AT 28 DAYS. FOR TYPE N MORTAR, NET COMPRESSIVE STRENGTH FOR BLOCK SHALL BE GREATER THAN 2650 PSI.

6.5 ALL MASONRY SHALL BE NORMAL WEIGHT IN ACCORDANCE WITH ASTM C90.

6.6 GROUT COMPRESSIVE STRENGTH SHALL BE 2500 PSI AT 28 DAYS. GROUT SHALL ADDITIONALLY COMPLY WITH TABLE 7 OF ACI 530.1/ASCE 6/TMS 602 FOR DIMENSIONS OF GROUT SPACES AND POUR HEIGHTS. COURSE GROUT SHALL BE USED WHERE POSSIBLE.

6.7 MORTAR SHALL BE TYPE S OR M. TYPE N MORTAR ALLOWED ONLY IF CMU NET COMPRESSIVE STRENGTH GREATER THAN 2650 PSI.

6.8 ALL MASONRY SHALL BE STACKED BOND, UNLESS NOTED.

6.9 ALL BLOCK CELLS AND CAVITIES BELOW GRADE SHALL BE FILLED WITH CONCRETE OR GROUT.

6.10 MASONRY REINFORCING LAP SPLICE LENGTHS PER SCHEDULE. SEE MASONRY LAP SPLICE LENGTHS TYPICAL DETAIL.

6.11 THE CONTRACTOR SHALL PROVIDE DETAILED SHOP DRAWINGS OF THE CMU REINFORCEMENT.

A. SHOP DRAWINGS SHALL INCLUDE AN ELEVATION VIEW OF EACH REINFORCED WALL WITH ALL VERTICAL AND HORIZONTAL REINFORCING AS WELL AS WALL OPENINGS/PENETRATIONS SHOWN. REINFORCING SHOP DRAWINGS NOT CONTAINING THESE ELEVATION DRAWINGS WILL BE RETURNED AS AN INCOMPLETE SUBMITTAL.

6.12 MODIFY CMU BLOCKS AS REQUIRED TO INSTALL REINFORCING AS NOTED/SHOWN.

6.13 MASONRY CONTROL JOINTS SHALL BE AS INDICATED ON THE ARCHITECTURAL DRAWINGS. FOR ADDITIONAL INFORMATION ON CONTROL JOINTS SEE TYPICAL DETAILS.

6.14 WHEN REINFORCING IS SPECIFIED, PROVIDE AT EACH SIDE OF CONTROL JOINTS, OPENINGS AND WALL ENDS.

6.15 EXTEND REBAR AT WALL OPENINGS A MINIMUM OF 2'-0" PAST THE OPENING AT ALL CORNERS, UNLESS NOTED. AT WINDOWS PROVIDE A MINIMUM OF 2#4 BARS AT THE SILL OF THE WINDOWS.

6.16 AT CMU PARTITIONS OVER 8'-0" TALL, SUPPORTED BY SLAB ON GRADE, PROVIDE THICKENED SLAB PER TYPICAL DETAILS.

6.17 PROVIDE WALL TOP SUPPORT AT 8'-0" OC FOR ALL INTERIOR NON-LOAD BEARING CMU WALLS WHERE CONTINUOUS WALL SPAN BETWEEN PERPENDICULAR BRACING WALLS EXCEEDS 20'-0".

6.18 GROUT SHALL COMPLY WITH TABLE 7 OF ACI 530.1/ASCE 6/TMS 602 FOR DIMENSIONS OF GROUT SPACES AND POUR HEIGHTS.

6.19 PROVIDE HORIZONTAL JOINT REINFORCING IN REINFORCED MASONRY WALLS AS DIRECTED BY THE ARCHITECT. AT WALL CORNERS AND INTERSECTIONS, PROVIDE PREFABRICATED T AND L SHAPES, FIELD BENDING IS NOT PERMITTED. MINIMUM OF LADDER TYPE ZINC COATED CONFORMING TO ASTM A82 HOHMANN & BARNARD 220 LADDER-MESH OR EQUIVALENT AT EVERY OTHER BLOCK COURSE ABOVE FOOTING. REINFORCEMENT SHOULD CONSIST OF TWO OR MORE LONGITUDINAL WIRES, NO. 9 GAUGE OR LARGER. WELDED WITH NO. 9 GAUGE OR LARGER CROSS WIRES. LAP SPLICE HORIZONTAL JOINT REINFORCING A MINIMUM OF 12".

6.20 PROVIDE DOVETAIL ANCHORS AT 16" O/C, UNLESS NOTED OTHERWISE, WHERE MASONRY WALLS ABUT CONCRETE SURFACES.

6.21 PROVIDE GROUT FILLED U-BLOCK AT TOP OF ALL CMU WALLS REINFORCED WITH 2 # 4 BARS CONTINUOUS, UNLESS NOTED.

6.22 WHERE MASONRY WALLS SUPPORT EARTH ON BOTH SIDES, BACKFILL EACH SIDE SIMULTANEOUSLY.

6.23 CONDUITS OR CONDENSATE DRAIN LINES UP TO 2" IN OUTSIDE DIAMETER MAY EXTEND CONT THRU MASONRY BOND BEAMS. COORDINATE WITH MECHANICAL OR ELECTRICAL DRAWINGS FOR SIZE AND LOCATION. DO NOT INTERRUPT CONTINUOUS REINFORCING STEEL IN PLACEMENT OF DRAIN OR CONDUIT LINES.

6.24 THE MASONRY WALLS ARE "NON-SELF-SUPPORTING". ADEQUATE TEMPORARY SUPPORT MUST BE PROVIDED BY THE CONTRACTOR UNTIL REQUIRED CONNECTIONS OR ELEMENTS ARE IN PLACE. BRACING SHALL BE PER THE FOLLOWING, AND CONTRACTOR SHALL PROVIDE ADDED REINFORCING AND GROUT IF REQUIRED BY THE BRACING.

A. THE "2012 STANDARD PRACTICE FOR BRACING MASONRY WALLS UNDER CONSTRUCTION".
B. THE "MASONRY WALL BRACING HANDBOOK" AS PUBLISHED BY THE MASONRY CONTRACTORS ASSOCIATION OF AMERICA (MCAA) SHOULD BE USED IN CONJUNCTION WITH THE "STANDARD PRACTICE".

6.25 CONTROL JOINTS IN CMU WALLS SHALL BE DISCONTINUOUS AT MASONRY BOND BEAMS. BOND BEAM REINFORCING SHALL EXTEND CONTINUOUS WITH 48 BAR DIAMETER LAPS AND CORNER BARS. SEE TYPICAL DETAILS FOR ADDITIONAL INFORMATION.

7.0 PREFABRICATED METAL BUILDING

7.1 METAL BUILDING MANUFACTURER SHALL BE A MEMBER

GENERAL NOTES CONTINUED

7.6 HORIZONTAL FORCE TRANSFER FROM METAL BUILDING COLUMN BASE TO CONCRETE SHALL BE BY THE METAL BUILDING SUPPLIER.

7.7 METAL BUILDING SUPPLIER TO VERIFY COLUMN LAYOUT. ANY CHANGES MUST BE SUBMITTED FOR REVIEW OF FOUNDATION DESIGN BEFORE CONSTRUCTION STARTS.

7.8 GRAVITY DESIGN LOADS:
LIVE LOAD: 20 PSF (REDUCIBLE AT RIGID FRAME RAFTERS AND COLUMNS ONLY)
DEAD LOAD: WEIGHT OF STRUCTURE
COLLATERAL LOAD: 10 PSF AND INCLUDE ADDITIONAL DEAD LOADS SUCH AS SPRINKLERS, MECHANICAL AND ELECTRICAL SYSTEMS, ETC.

7.9 DEFLECTION LIMITS FOR MEMBERS:
PURLINS AND RAFTERS: DL L/360 LL L/360 TL L/240
GIRTS: HORIZONTAL DEFLECTION OF L/600 (BRICK SUPPORTING), ELSE L/240
OVERALL BUILDING DRIFT: H/300, WHERE "H" IS THE BUILDING EAVE HEIGHT.

7.10 ROOF PURLINS MUST BE CAPABLE OF RESISTING NET WIND PRESSURES (IN OR OUT) ASSUMING INTERIOR FLANGE UNBRACED EXCEPT WHERE FLANGE BRACING IS PROVIDED.

7.11 THE METAL BUILDING MANUFACTURER WILL BE RESPONSIBLE FOR COMPLETE DESIGN OF THE BUILDING STRUCTURAL FRAME (INCLUDING LATERAL LOADS) DOWN TO THE FOUNDATION. THE DESIGN SHALL BE PERFORMED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED.

7.12 BEFORE FABRICATION AND INSTALLATION OF FOUNDATIONS, METAL BUILDING SUPPLIER SHALL SUBMIT DESIGN LOADS AND COLUMN REACTIONS TO THE ARCHITECT/ENGINEER FOR REVIEW. THE CURRENT FOUNDATION DESIGN HAS BEEN BASED ON ASSUMED VALUES. THE FOOTING SIZES ARE NOT FINAL UNTIL METAL BUILDING REACTIONS HAVE BEEN PROVIDED AND REVIEWED. DO NOT FABRICATE REINFORCING STEEL OR INSTALL FOOTINGS PRIOR TO REVIEW OF METAL BUILDING SHOP DRAWINGS BY THIS OFFICE.

7.13 METAL BUILDING DESIGN CALCULATIONS' COVER SHEET AND ALL METAL BUILDING SHOP DRAWINGS AND ERECTION DRAWINGS SHALL BE SEALED AND SIGNED BY THE MANUFACTURER'S PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED.

7.14 ALL CONNECTIONS OF STRUCTURAL STEEL MEMBERS TO THE METAL BUILDING SHALL BE DESIGNED BY THE METAL BUILDING SUPPLIER TO RESIST THE FORCES INDICATED ON THE DRAWINGS. CALCULATIONS FOR THESE CONNECTIONS STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR REVIEW.

7.15 BLOCK MASONRY WALLS ON COLUMN LINES SHALL **NOT** BE CONSIDERED AS SHEAR WALLS FOR BUILDING STABILITY. FOR COLUMN DESIGN, ASSUME COLUMN UNBRACED LENGTH AS INDEPENDENT OF MASONRY WALLS.

7.16 ALL COLUMNS SHALL BE ANALYZED AND DESIGNED AS HAVING PINNED BASES.

7.17 EXCEPT AS OTHERWISE APPROVED BY ARCHITECT, STRUCTURAL CLEARANCES SHALL BE MAINTAINED AS CURRENTLY INDICATED IN THE CONTRACT DOCUMENTS.

7.18 STANDING SEAM STEEL DECK SHALL NOT BE CONSIDERED AS PROVIDING DIAPHRAGM RESISTANCE FOR LATERAL WIND LOADS.

7.19 METAL BUILDING ENGINEER SHALL VISIT THE JOB SITE AT LEAST ONCE EVERY TWO WEEKS DURING ERECTION TO OBSERVE INSTALLATION OF METAL BUILDING FRAMING AND ISSUE REPORTS TO ARCHITECT/ENGINEER.

7.20 ALL DEVIATIONS FROM THE CONTRACT DOCUMENTS ARE SUBJECT TO APPROVAL BY THE ARCHITECT AND STRUCTURAL ENGINEER OF RECORD. ALL DEVIATIONS SHALL BE EXPRESSLY LISTED AND DEFINED IN THE SHOP DRAWING SUBMITTAL. ARCHITECT AND STRUCTURAL ENGINEER ARE NOT RESPONSIBLE FOR DISCOVERY OF DEVIATIONS NOT LISTED, AND APPROVAL OF UNLISTED DEVIATIONS SHALL NOT BE IMPLIED.

8.0 COLD-FORMED STEEL FRAMING

8.1 STRUCTURAL PROPERTIES OF FRAMING MEMBERS SHALL BE COMPUTED IN ACCORDANCE WITH AISI "NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING" AND ALL OTHER APPLICABLE AISI STANDARDS, LATEST EDITIONS.

8.2 GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF ALL COLD-FORMED STEEL FRAMING. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR FRAMING LAYOUT, SIZES, SPACING, AND SECTIONS. THE GAGE OF THE STUDS, IF SHOWN, SHALL NOT BE REVISED UNLESS IT IS REQUIRED TO BE INCREASED AS DIRECTED BY THE COLD-FORMED STEEL DESIGN ENGINEER. COLD-FORMED STEEL FRAMING SHOP DRAWINGS AND DESIGN CALCULATIONS SHALL BE SUBMITTED FOR FILES OF THE STRUCTURAL ENGINEER. CALCULATIONS SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED. THE CONTRACTOR SHALL INCLUDE THE COST OF SHOP DRAWINGS AND CALCULATIONS, INCLUDING ENGINEERING FEES, IN THE BASE BID OF THE CONTRACT.

8.3 DEFLECTION LIMITS FOR MEMBERS:

A.	SOFFITS:	DL L/240	LL L/240	TL L/180
B.	WALL SUPPORTING BRICK:	HORIZONTAL DEFLECTION OF L/600		
C.	WALL SUPPORTING STUCCO:	HORIZONTAL DEFLECTION OF L/360		
D.	WALL SUPPORTING EIFS:	HORIZONTAL DEFLECTION OF L/240		
E.	WALL PARTITIONS:	HORIZONTAL DEFLECTION OF L/180		

8.4 COLD-FORMED STEEL FRAMING MEMBERS SHALL NOT BE SUPPORTED BY THE STEEL ROOF DECK.

8.5 COLD-FORMED STEEL FRAMING MEMBERS ABUTTING STRUCTURE SHALL HAVE VERTICAL SLIP TRACKS TO ACCOMMODATE UP TO 1-1/2" VERTICAL MOVEMENT UP OR DOWN.

8.6 VERTICAL STUDS INTERRUPTED BY WALL OPENINGS SHALL BE LOCATED EQUALLY ON EACH SIDE OF THE OPENING. PROVIDE EVEN NUMBER OF FULL HEIGHT STUDS ON EACH SIDE OF OPENING. WELD STUD FLANGES TOGETHER WITH 1/8" FILLET WELD 1" LONG SPACED AT 6" OC.

8.7 TRACK SHALL BE SCREWED TO STUD WITH #8 TEK SCREWS EACH FLANGE, OR AS REQUIRED BY DESIGN.

8.8 WELDED CONNECTIONS: E60XX ELECTRODES, MINIMUM SIZE FILLET WELD 1/8": WELDING QUALIFICATION, PROCEDURES AND PERSONNEL SHALL BE CERTIFIED ACCORDING TO AWS D1.3, THE STRUCTURAL WELDING CODE - SHEET STEEL.

8.9 PROVIDE SHOP DRAWINGS SHOWING PLANS, ELEVATIONS AND CONNECTION DETAILS AT ALL NON-LOAD BEARING STEEL FRAMING.

8.10 ALL CONNECTIONS OF THE COLD-FORMED STEEL FRAMING MEMBERS TO THE STRUCTURE SHALL BE FULLY DETAILED ON THE COLD-FORMED STEEL FRAMING SHOP DRAWINGS. ANY SPECIAL LOADING IMPOSED ON THE STRUCTURE SHALL BE CLEARLY INDICATED ON THE SHOP DRAWINGS.

9.0 WOOD CONSTRUCTION

9.1 ALL SAWN LUMBER IN CONTACT WITH SOIL, MASONRY OR CONCRETE, OR EXPOSED TO WEATHER TO HAVE A PRESERVATIVE PRESSURE TREATMENT IN ACCORDANCE WITH AMERICAN WOOD PROTECTION ASSOCIATION (AWPA) STANDARD U1 (CURRENT EDITION).

9.2 CUT ENDS ON ALL TREATED LUMBER SHALL BE FIELD TREATED WITH AN APPROVED PRESERVATIVE IN ACCORDANCE WITH THE TREATMENT MANUFACTURER'S INSTRUCTIONS AND AWPA STANDARD M4 (CURRENT EDITION).

9.3 ALL LUMBER SHALL BE KILN DRIED TO A MAXIMUM MOISTURE CONTENT OF 16 PERCENT, INCLUDING PRESERVATIVE TREATED LUMBER.

9.4 ALL SCREWS, BOLTS, AND NAILS FOR USE WITH PRESERVATIVE TREATED WOOD SHALL BE HOT-DIPPED ZINC-COATED GALVANIZED STEEL OR STAINLESS STEEL. FASTENERS TO BE HOT-DIPPED GALVANIZED SHALL MEET THE REQUIREMENTS OF ASTM A153, CLASS D FOR 3/8" DIAMETER OR SMALLER AND CLASS C FOR FASTENERS WITH DIAMETERS OVER 3/8".

9.5 FASTENERS OTHER THAN NAILS AND TIMBER RIVETS SHALL BE PERMITTED TO BE OF MECHANICALLY DEPOSITED ZINC-COATED STEEL WITH COATING WEIGHTS IN ACCORDANCE WITH ASTM B695, CLASS 55, AT A MINIMUM.

9.6 METAL CONNECTORS SHOWN IN THE CONTRACT DOCUMENTS ARE SIMPSON STRONG-TIE CONNECTORS. SUBSTITUTION WITH EQUAL CONNECTORS BY OTHER MANUFACTURERS IS ACCEPTABLE.

9.7 ALL HARDWARE (JOIST HANGERS, ETC.) FOR USE WITH PRESERVATIVE TREATED WOOD SHALL BE GALVANIZED OR SHALL BE STAINLESS STEEL. HARDWARE TO BE HOT-DIPPED PRIOR TO FABRICATION SHALL MEET ASTM A653, G-185 COATING. HARDWARE TO BE HOT-DIPPED AFTER FABRICATION SHALL MEET ASTM A123.

9.8 FASTENER AND HARDWARE SELECTION: HOT-DIPPED GALVANIZED MATERIAL SHALL NOT BE USED IN CONTACT WITH STAINLESS STEEL MATERIAL.

9.9 ALL NAIL SIZES INDICATED IN THE CONTRACT DOCUMENTS ARE BASED ON COMMON WIRE NAILS. SUBSTITUTION OF DIFFERENT STYLE NAILS IS ACCEPTABLE BASED ON ACTUAL DIAMETER ONLY.

9.10 AT A MINIMUM, ALL WOOD FRAMING CONNECTIONS TO COMPLY WITH "TABLE 2304.10.2 - FASTENING SCHEDULE" OF THE INTERNATIONAL BUILDING CODE.

9.11 DESIGN, FABRICATE AND ERECT WOOD TRUSSES IN ACCORDANCE WITH THE "DESIGN SPECIFICATION FOR METAL PLATE CONNECTED WOOD TRUSSES" OF THE TRUSS PLATE INSTITUTE. TRUSS ERECTION PLANS AND CALCULATIONS DESIGNED BY THE CONTRACTOR SHALL BE SUBMITTED FOR REVIEW BY THE ARCHITECT AND STRUCTURAL ENGINEER. DRAWINGS & CALCULATIONS SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED.

9.12 TRUSS MANUFACTURER SHALL DESIGN FOR THE FOLLOWING SUPERIMPOSED LOADS:
A. ROOF TOP CHORD DEAD LOAD----------10 PSF
B. ROOF BOTTOM CHORD DEAD LOAD----------10 PSF
C. ROOF TOP CHORD LIVE LOAD----------20 PSF
D. ROOF BOTTOM CHORD LIVE LOAD----------250 LBS
(CONCENTRATED LOAD AT ANY LOCATION ALONG BOTTOM CHORD)

9.13 DESIGN WOOD TRUSSES TO RESIST THE WIND UPLIFT LOADING FROM THE COMPONENTS AND CLADDING WIND LOAD TABLE PROVIDED IN THE TYPICAL DETAILS.

9.14 IN ADDITION TO THE ABOVE LOADS, WOOD TRUSSES SHALL BE DESIGNED FOR CONCENTRATED LOADS HUNG FROM OR SUPPORTED BY TRUSSES. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR LOADING INFORMATION AND LOCATION. LOADING AS REQUIRED BY OTHER SUBCONTRACTORS, SUCH AS FIRE PROTECTION, SHALL BE COORDINATED BY THE GENERAL CONTRACTOR. MAXIMUM LOAD IS 200 LBS PER CONNECTION ACCORDING TO NOTE BELOW. SUBCONTRACTOR SHALL PROVIDE HANGER SPACINGS TO NOT EXCEED 200 LBS LOAD PER TRUSS.

9.15 TRUSS DESIGNER DESIGN ROOF AND/OR FLOOR TRUSSES FOR A MAXIMUM TOTAL HANGING DEAD LOAD OF 200 LBS PER TRUSS (ADD LOAD). LOAD MAY BE APPLIED AT ANY POINT ALONG THE TOP OR BOTTOM CHORD. GENERAL CONTRACTOR COORDINATE HANGER SPACINGS AS REQUIRED.

9.16 ALL TRUSS TO TRUSS CONNECTIONS SHALL BE DESIGNED BY THE TRUSS MANUFACTURER FOR THE LOADS INDICATED.

9.17 PROVIDE 2x4 AT 10'-0" MAXIMUM ON CENTER CONTINUOUS BOTTOM CHORD BRACING OR AS REQUIRED BY TRUSS MANUFACTURER.

9.18 ALL TEMPORARY AND PERMANENT BRACING MEMBERS AND CONNECTIONS REQUIRED FOR WOOD TRUSSES SHALL BE DESIGNED AND DETAILED ON THE WOOD TRUSS MANUFACTURER'S ERECTION PLANS. BRACING MEMBERS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR ACCORDING TO THE TRUSS MANUFACTURER'S ERECTION PLANS AND "GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING, RESTRAINING, AND BRACING OF METAL PLATE CONNECTED WOOD TRUSSES" BY BCSI, LATEST EDITION.

9.19 TEMPORARY BRACING SHALL NOT IMPOSE ANY FORCE ON THE SUPPORTING STRUCTURE. PERMANENT BRACING FORCES SHALL BE TRANSFERRED TO THE ROOF DIAPHRAGM BY THE BRACING DESIGN PROVIDED BY THE TRUSS MANUFACTURER.

9.20 ROOF SHEATHING: 3/4" PLYWOOD, APA RATED SHEATHING EXPOSURE, WITH PLY CLIPS AT ALL UNSUPPORTED EDGES. PANEL IDENTIFICATION INDEX 48/24. LONG DIMENSION OF PANEL PERPENDICULAR TO SUPPORTS

9.21 ROOF SHEATHING NAILING, UNLESS NOTED: 8d NAILS AT 6 INCHES AT ALL FOUR PANEL EDGES AND AT 12 INCHES AT INTERMEDIATE SUPPORTS.

9.22 SPRINKLER PIPE LOADS - NFPA:

A. THE FLOOR AND ROOF LOADS ABOVE INCLUDE AN ALLOWANCE FOR WATER FILLED SPRINKLER PIPE LOADS OF 5 PSF FOR CORRIDOR AREAS AND 2 PSF FOR LIVING UNITS AND ALL OTHER AREAS.
B. SPRINKLER PIPE SUPPORTS SHALL BE SPACED OR DISTRIBUTED SO THAT NO MORE THAN A 50 POUND POINT LOAD IS APPLIED TO TRUSS TOP OR BOTTOM CHORD MEMBERS.
C. IN ADDITION TO THE DEAD LOAD OF THE WATER FILLED PIPE, FLOOR TRUSSES SHALL ALSO BE DESIGNED TO SUPPORT A MINIMUM, SHORT TERM (Cd=2.0), CONCENTRATED LIVE LOAD OF 250 POUNDS APPLIED AT ANY POINT OF ATTACHMENT. THE 250 POUND SHORT TERM LOAD NEED NOT BE CHECKED CONCURRENTLY WITH ANY OTHER LIVE LOADS. IF MULTIPLE SPRINKLER LINES ARE ATTACHED TO THE SAME TRUSS, THE 250 POUND LIVE LOAD ONLY HAS TO BE APPLIED TO ANY ONE LOCATION AT A TIME. EACH POSSIBLE POINT OF ATTACHMENT ON AN INDIVIDUAL TRUSS SHOULD BE EVALUATED TO DETERMINE WHICH LOCATION HAS THE MOST CRITICAL EFFECT.
D. FOR CONDITIONS WHERE THE SPRINKLER SYSTEM LOADS EXCEED THE 50 POUND MAXIMUM, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE, NOTIFY, AND OBTAIN ANY NECESSARY DESIGN MODIFICATIONS FROM THE TRUSS MANUFACTURER.

10.0 POST-INSTALLED ANCHORS AND REINFORCING

10.1 POST-INSTALLED ANCHORS AND/OR REINFORCING SHALL ONLY BE USED WHERE SPECIFIED ON THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER-OF-RECORD PRIOR TO INSTALLING POST-INSTALLED ANCHORS AND/OR REINFORCING IN PLACE OF MISSING OR MISPLACED CAST-IN-PLACE ANCHORS AND/OR REINFORCING.

10.2 THE BELOW PRODUCTS ARE THE DESIGN BASIS FOR THIS PROJECT. PRODUCT DIAMETER AND EMBEDMENT SHALL BE SHOWN IN THE DETAILS.

10.3 FOR ANCHORING INTO CONCRETE:

A. MECHANICAL ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI 355.2 AND ICC-ES AC193 FOR CRACKED CONCRETE AND SEISMIC APPLICATIONS. PRE-APPROVED PRODUCTS INCLUDE:

1. SIMPSON STRONG-TIE "TITEN-HD" (ICC-ES ESR-2713)
2. SIMPSON STRONG-TIE "STRONG-BOLT 2" (ICC-ES ESR-3037)
3. SIMPSON STRONG-TIE "TORQ-CUT" (ICC-ES ESR-2705)
4. SIMPSON STRONG-TIE "TITEN-HD ROD HANGER" (ICC-ES ESR-2713)
5. HILTI KWIK HUS-EZ AND KWIK HUS EZ-I SCREW ANCHORS (ICC ESR-3027)
6. HILTI KWIK BOLT-TZ EXPANSION ANCHORS (ICC ESR-1917)
7. HILTI KWIK BOLT 3 EXPANSION ANCHORS (UNCRACKED CONCRETE ONLY) (ICC ESR-2302)
8. HILTI HDA UNDERCUT ANCHORS (ICC ESR 1546)
9. HILTI HSL-3 EXPANSION ANCHORS (ICC ESR 1545)
10. DEWALT SCREW-BOLT+ (ICC-ES ESR-3889)
11. DEWALT POWER-STUD+ SD2 (ICC-ES ESR-2502)
12. DEWALT POWER-STUD SD1 (ICC-ES ESR-2818)
13. DEWALT HANGERMATE+ (ICC-ES ESR-3889)
14. DEWALT ATOMIC+ UNDERCUT (ICC-ES ESR-3067)
15. DEWALT POWER-BOLT+ (ICC-ES ESR-3260)

B. MECHANICAL ANCHORS FOR USE IN THE UNDER SIDE OF NORMAL WEIGHT HOLLOW CORE AND POST TENSION SLAB WHERE EMBEDMENT DEPTH MUST NOT EXCEED ¾". PRE-APPROVED PRODUCTS INCLUDE:

1. DEWALT MINI-UNDERCUT+ (ICC-ES ESR-3912)
2. HILTI HDP-P TZ DROP-IN ANCHOR (ICC ESR-4236)

C. ADHESIVE FOR REBAR AND ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI 355.4 AND ICC-ES AC308 FOR CRACKED CONCRETE AND SEISMIC APPLICATIONS. DESIGN ADHESIVE BOND STRENGTH HAS BEEN BASED ON ACI 355.4 TEMPERATURE CATEGORY B WITH INSTALLATIONS INTO DRY HOLES DRILLED USING A CARBIDE DRILL BIT INTO CRACKED CONCRETE THAT HAS CURED FOR AT LEAST 21 DAYS. ADHESIVE ANCHORS REQUIRING CERTIFIED INSTALLATIONS, SUCH AS HORIZONTAL TO UPWARD INCLINED ORIENTATION UNDER SUSTAINED TENSION LOADING, SHALL BE INSTALLED BY A CERTIFIED ADHESIVE ANCHOR INSTALLER PER **ACI 318-19 26.7.2 & 26.7.2(e)**. INSTALLATIONS REQUIRING CERTIFIED INSTALLERS SHALL BE INSPECTED PER **ACI 318-19 26.7.2 & 26.7.2(e)**. PRE-APPROVED PRODUCTS INCLUDE:

1. SIMPSON STRONG-TIE "SET-3G" (ICC-ES ESR-4057)
2. SIMPSON STRONG-TIE "AT-XP" (IAPMO-UES ER-263)
3. SIMPSON STRONG-TIE "SET-XP" (ICC-ES ESR-2508)
4. HILTI HIT-HY 200 V3 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT AND VACUUM WITH CONTINUOUSLY DEFORMED REBAR (ICC ESR-4868)
5. HILTI HIT-RE 500 V3 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT AND VACUUM WITH CONTINUOUSLY DEFORMED REBAR (ICC ESR-3814)
6. HILTI KWIK-X DUAL ACTION ANCHOR SAFEST SYSTEM WITH KHC CAPSULE ADHESIVE AND KWIK-HUS EZ (ICC ESR-5065)
7. DEWALT PURE110+ FOR WARM WEATHER/SLOW CURE (ICC-ES ESR-3298); FOR ANCHORS AND REBAR: WHEN DEWALT DUSTX+ EXTRACTION SYSTEM IS USED, TRADITIONAL HOLE CLEANING METHODS USING STEEL BRUSHES AND COMPRESSED DRY AIR MAY BE COMPLETELY OMITTED PER ICC-ES ESR-3298
8. DEWALT AC200+ FOR COLD WEATHER/RAPID CURE (ICC-ES ESR-4027); FOR ANCHORS AND REBAR: WHEN DEWALT DUSTX+ EXTRACTION SYSTEM IS USED, TRADITIONAL HOLE CLEANING METHODS USING STEEL BRUSHES AND COMPRESSED DRY AIR MAY BE COMPLETELY OMITTED PER ICC-ES ESR-4027

D. POWER-ACTUATED FASTENERS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC70. PRE-APPROVED PRODUCTS INCLUDE:

1. SIMPSON STRONG-TIE "GAS ACTUATED PINS" (ICC-ES ESR-2811)
2. SIMPSON STRONG-TIE "POWDER ACTUATED PINS" (ICC-ES ESR-2138)
3. HILTI "UNIVERSAL KNURLED SHANK FASTENERS" X-U (ICC ESR-2269)
4. DEWALT "POWER DRIVEN FASTENERS", POWDER ACTUATED (ICC-ES-ESR 2024)
5. DEWALT TRAK-IT C5, GAS ACTUATED (ICC-ES-ESR 3275)

10.4 FOR ANCHORING INTO MASONRY:

A. SOLID-GROUTED CONCRETE MASONRY

1. MECHANICAL ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC01 OR ICC-ES AC106. PRE-APPROVED PRODUCTS INCLUDE:

a. SIMPSON STRONG-TIE "TITEN-HD" & "STAINLESS STEEL TITEN HD" (ICC-ES ESR-1056)
b. SIMPSON STRONG-TIE "STRONG-BOLT 2" (IAPMO-UES ER-240)
c. SIMPSON STRONG-TIE "WEDGE-ALL" (ICC-ES ESR-1396)
d. SIMPSON STRONG-TIE "TITEN TURBO" (IAMPO-UES ER-716)
e. HILTI KH-EZ, KH-EZ CRC, KH-EZ SS316, KH-EZ C, AND KH-EZ P SCREW ANCHORS (ICC ESR-3056)
f. HILTI KWIK BOLT-1 EXPANSION ANCHOR (ICC ER-677)
g. HILTI KWIK BOLT-TZ2 EXPANSION ANCHOR (ICC ESR-4561)
h. DEWALT "SCREW-BOLT+" (ICC-ES ESR 4042)
i. DEWALT "POWER-STUD+ SD1" (ICC-ES ESR 2966)

2. ADHESIVE FOR REBAR AND ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC58. PRE-APPROVED PRODUCTS INCLUDE:

a. SIMPSON STRONG-TIE "AT-XP" (IAPMO-UES ER-281)
b. SIMPSON STRONG-TIE "SET-XP" (IAPMO-UES ER-265)
c. HILTI HIT-HY 270 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT AND VACUUM (ICC ESR-4143); STEEL ANCHOR ELEMENT SHALL BE HILTI-HAS CONTINUOUSLY THREADED ROD OR CONTINUOUSLY DEFORMED STEEL REBAR
d. HILTI HIT-HY 200 V3 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT AND VACUUM (ICC ESR-4878)
e. DEWALT AC100+ GOLD (ICC-ES ESR-3200)

3. POWER-ACTUATED FASTENERS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC70. PRE-APPROVED PRODUCTS INCLUDE:

a. SIMPSON STRONG-TIE "GAS ACTUATED PINS" (ICC-ES ESR-2811)
b. SIMPSON STRONG-TIE "POWDER ACTUATED PINS" (ICC-ES ESR-2138)
c. HILTI "UNIVERSAL KNURLED SHANK FASTENERS" X-U (ICC ESR-2269)
d. DEWALT TRAK-IT C5, GAS ACTUATED (ICC-ES-ESR 3275)

B. UNREINFORCED BRICK MASONRY (URM): ADHESIVE FOR REBAR AND ANCHORS WITH SCREEN TUBES SHALL HAVE BEEN TESTED FOR USE IN ACCORDANCE WITH ICC-ES AC60. THE APPROPRIATE SCREEN TUBE SHALL BE USED AS RECOMMENDED BY THE ADHESIVE MANUFACTURER. PRE-APPROVED PRODUCTS INCLUDE:

1. SIMPSON STRONG-TIE "ET-HP" (ICC-ES ESR-3638)
2. HILTI HIT-HY 270 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT AND VACUUM (ICC ESR-4143); STEEL ANCHOR ELEMENT SHALL BE HILTI-HAS CONTINUOUSLY THREADED ROD OR CONTINUOUSLY DEFORMED STEEL REBAR. THE APPROPRIATE SIZE SCREEN TUBE SHALL BE USED PER ADHESIVE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS.
3. DEWALT "AC100+ GOLD" (ICC-ES ESR-4105)

10.5 FOR FASTENING INTO STEEL: POWER-ACTUATED FASTENERS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC70. PRE-APPROVED PRODUCTS INCLUDE:

A. SIMPSON STRONG-TIE "GAS ACTUATED PINS" (ICC-ES ESR-2811)
B. SIMPSON STRONG-TIE "POWDER ACTUATED PINS" (ICC-ES ESR-2138)
C. HILTI FASTENERS IN LIEU OF #12 TEK SCREWS:

1. HILTI S-MD 12-24x1-5/8 HWH5 SCREWS FOR STUDS, JOISTS AND BEAMS 16 GA ≤ TF ≤ 1/4"
2. HILTI X-HSN 24 PINS FOR JOISTS AND BEAM 1/8" ≤ TF ≤ 3/8"
3. HILTI X-ENP 19 L15 PINS FOR BEAMS TF ≥ 1/4".

D. DEWALT "POWER DRIVEN FASTENERS", POWDER ACTUATED (ICC-ES-ESR 2024)
E. DEWALT "TRAK-IT C5", GAS ACTUATED (ICC-ES-ESR 3275)

10.6 REFER TO THE PROJECT BUILDING CODE AND/OR EVALUATION REPORT FOR SPECIAL INSPECTIONS AND PROOF LOAD REQUIREMENTS.

10.7 SUBSTITUTION REQUESTS FOR PRODUCTS OTHER THAN THOSE LISTED MAY BE SUBMITTED BY THE CONTRACTOR TO THE EOR FOR REVIEW NO LESS THAN TWO WEEKS PRIOR TO BID. SUBSTITUTIONS WILL ONLY BE CONSIDERED FOR PRODUCTS HAVING A RESEARCH REPORT RECOGNIZING THE PRODUCT FOR THE APPROPRIATE APPLICATION UNDER THE PROJECT BUILDING CODE. SUBSTITUTION REQUESTS SHALL INCLUDE CALCULATIONS PREPARED & SEALED BY A REGISTERED PROFESSIONAL ENGINEER THAT DEMONSTRATE THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE EQUIVALENT. ADHESIVE ANCHOR EVALUATION WILL ALSO CONSIDER CREEP, IN-SERVICE TEMPERATURE, AND INSTALLATION TEMPERATURE.

10.8 INSTALL ANCHORS PER THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII), OR AS INCLUDED IN THE ANCHOR PACKAGING.

10.9 THERE IS TO BE NO GAP BETWEEN CONNECTED PARTS UNLESS SHIMS ARE PROVIDED. ANCHORS TO SECURE CONNECTED PARTS TOGETHER TO SNUG.

10.10 OVERHEAD ADHESIVE ANCHORS MUST BE INSTALLED USING THE MANUFACTURER'S INSTRUCTIONS AND INSTALLER MUST BE ACI CERTIFIED.

10.11 THE CONTRACTOR SHALL ARRANGE FOR AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL OF THEIR ANCHORING PRODUCTS SPECIFIED. THE STRUCTURAL ENGINEER OF RECORD MUST RECEIVE DOCUMENTED CONFIRMATION THAT ALL OF THE CONTRACTOR'S PERSONNEL WHO INSTALL ANCHORS ARE TRAINED PRIOR TO THE COMMENCEMENT OF INSTALLING ANCHORS.

10.12 THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S SPECIAL INSPECTION AGENCY FOR CONTINUOUS SPECIAL INSPECTION OF ADHESIVE ANCHORS AND PERIODIC INSPECTION OF MECHANICAL ANCHORS, SEE SPECIAL INSPECTION SCHEDULE FOR ADDITIONAL INFORMATION.

10.13 ANCHOR CAPACITY IS DEPENDENT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.

11.0 PREFABRICATED CANOPY

11.1 PROTECTIVE COVER WALKWAYS AND PREFABRICATED CANOPIES SHALL BE CONSIDERED A DEFERRED SUBMITTAL TO THE BUILDING INSPECTION AGENCY.

11.2 PROTECTIVE COVER WALKWAYS AND PREFABRICATED CANOPIES SHALL BE FULLY ENGINEERED BY THE CANOPY MANUFACTURER AND CONTRACTOR UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED.

11.3 CALCULATIONS SHALL ACCOMPANY THE SHOP DRAWINGS AND SHALL INCLUDE DESIGN OF ALL WALKWAY/CANOPY SYSTEM COMPONENTS INCLUDING, BUT NOT LIMITED TO, FOOTINGS, MEMBERS, CONNECTIONS AND ATTACHMENT TO STRUCTURE.

11.4 PROTECTIVE COVER WALKWAY AND PREFABRICATED CANOPY SHOP DRAWINGS SHALL BE SUBMITTED TO INCLUDE A FULL DESCRIPTION OF ALL CANOPY MEMBERS, INCLUDING COLUMNS, BEAMS, FOOTINGS, FASCIA, ETC. SHOP DRAWINGS SHALL BEAR THE SEAL OF THE PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED.

11.5 IF PROTECTIVE COVER WALKWAYS AND PREFABRICATED CANOPIES SHALL BE ATTACHED TO THE BUILDING, MINIMUM 16" DEEP BOND BEAM IS TO BE PROVIDED WITHIN THE LOAD-BEARING MASONRY WALL FOR WALKWAY AND CANOPY ANCHORAGE AS REQUIRED. MINIMUM 16" DEEP BOND BEAM IS TO BE CONSTRUCTED ON (2) 8" DEEP FORM BLOCKS WITH 2#5 CONTINUOUS IN EACH COURSE. CONNECTIONS TO BUILDING BY CANOPY MANUFACTURER, CONTRACTOR COORDINATE. DO NOT ANCHOR WALKWAY AND CANOPY TO VENEER. ANCHOR WALKWAY AND CANOPY INTO LOAD-BEARING MASONRY WALL WITH THREADED RODS IN PIPE SLEEVES. FOR ADDITIONAL INFORMATION, SEE ARCHITECTURAL DRAWINGS.

12.0 INSPECTIONS

12.1 OWNER SHALL RETAIN THE SERVICES OF INDEPENDENT AGENCIES TO PERFORM THE CONSTRUCTION MATERIAL TESTING AND CODE REQUIRED SPECIAL INSPECTIONS, AS CONSTRUCTION PROGRESSES, FORWARD COPIES OF INSPECTION REPORTS TO STRUCTURAL ENGINEER FOR REVIEW. SDG CANNOT ISSUE A CERTIFICATE OF SATISFACTORY COMPLETION WITHOUT REVIEWING THESE REPORTS AND FINAL CERTIFICATES ISSUED BY EACH OF THE INDEPENDENT AGENCIES.

12.2 STRUCTURAL OBSERVATION BY SDG IS VISUAL OBSERVATION OF THE IN PLACE STRUCTURE FOR GENERAL CONFORMANCE TO THE APPROVED STRUCTURAL PORTIONS OF THE CONSTRUCTION DOCUMENTS AT THE TIME OF THE OBSERVATION AND SHALL NOT BE CONSTRUED AS INSPECTION OR APPROVAL OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING TESTING AND SPECIAL INSPECTIONS PER THE REQUIREMENTS IN THE PROJECT MANUAL AND CONSTRUCTION DOCUMENTS.

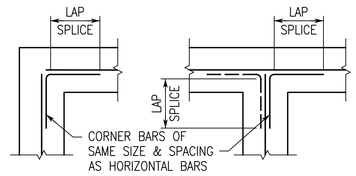
12.3 OBSERVATION BY THE ENGINEER OF RECORD'S OFFICE DOES NOT REPLACE INSPECTIONS AND TESTING BY THE TESTING AGENCY OR SPECIAL INSPECTOR.

13.0 SHOP DRAWINGS (SUBMITTALS)

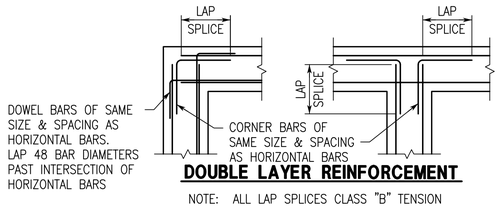
13.1 THE GENERAL CONTRACTOR SHALL SUBMIT FOR REVIEW AN ELECTRONIC SET OF DESIGN CALCULATIONS FOR ITEMS LISTED BELOW; CALCULATIONS SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED:

A. STRUCTURAL STEEL BE

SDG
STRUCTURAL DESIGN GROUP
300 Chase Park South, Suite 125
Hoover, AL 35244
tel 205-824-5200
fax 205-824-5280
Job Number 26-003A



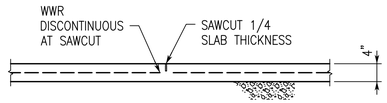
SINGLE LAYER REINFORCEMENT



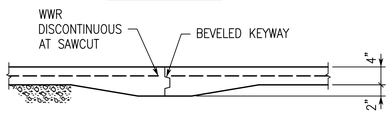
DOUBLE LAYER REINFORCEMENT

NOTE: ALL LAP SPLICES CLASS "B" TENSION

FOUNDATION AND WALL CORNER REINFORCING DETAIL
TYPICAL



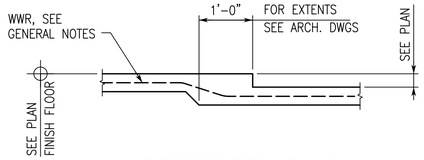
SAWED JOINT



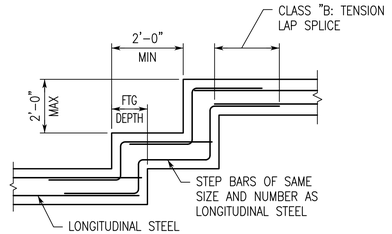
KEYED JOINT

4" SLAB CONTROL JOINT DETAILS
TYPICAL
JOINT TYPE IS OPTIONAL
IF NO JOINTS SPECIFIED, PROVIDE AT 16' ON CENTER EACH WAY

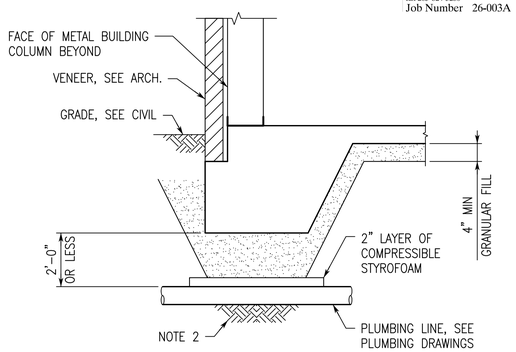
NOTE:
CONTRACTOR COORDINATE W/ARCHITECT FOR ALL DEPRESSED SLAB AREAS BEFORE SLAB ON GRADE IS PLACED.



DEPRESSED SLAB ON GRADE DETAIL
TYPICAL

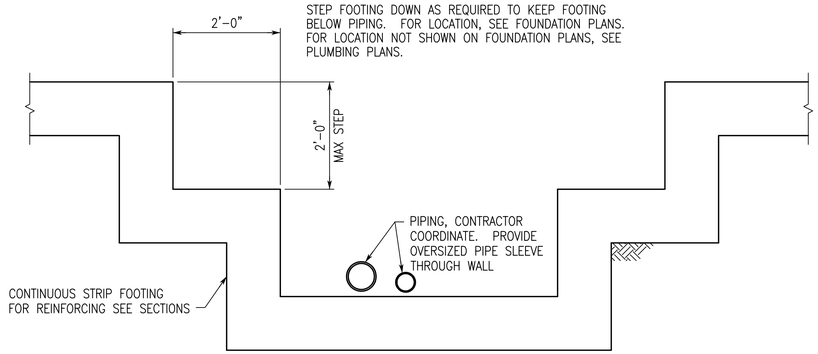


FOOTING STEP DETAIL
TYPICAL

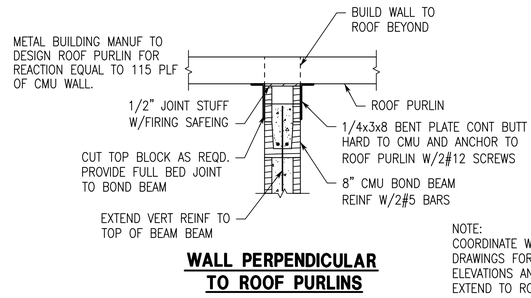


NOTES:
1. DO NOT RUN PLUMBING LINE BELOW AND PARALLEL TO FOOTING. OFFSET PARALLEL PLUMBING LINE MINIMUM 1'-0" BEYOND EDGE OF FOOTING.
2. SOIL UNDER UTILITY TRENCHES SHALL BE COMPACTED AS REQUIRED TO PROVIDE ALLOWABLE BEARING PRESSURE NOTED IN GENERAL NOTES.
3. IF A PLUMBING LINE IS REQUIRED TO EXTEND VERTICALLY THROUGH THE FOOTING, CONTRACTOR TO PROVIDE A PVC SLEEVE (1" LARGER IN DIAMETER THAN PLUMBING LINE) TO ALLOW FOR FOOTING MOVEMENT.

PLUMBING LINE BELOW FOOTING (IF LESS THAN 2'-0")
TYPICAL

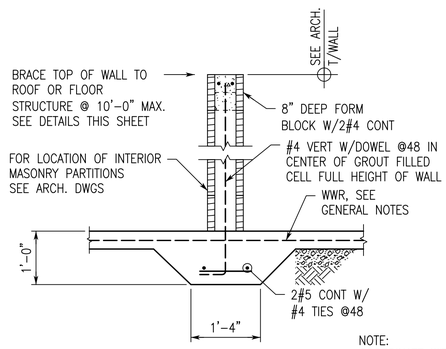


FOOTING/FOUNDATION WALL AT PIPING
TYPICAL



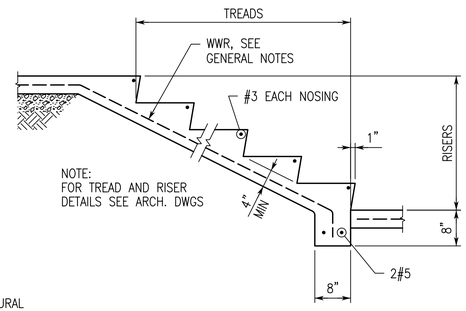
NOTE:
COORDINATE WITH ARCHITECTURAL DRAWINGS FOR TOP OF WALL ELEVATIONS AND WALLS THAT EXTEND TO ROOF STRUCTURE.

WALL PERPENDICULAR TO ROOF PURLINS

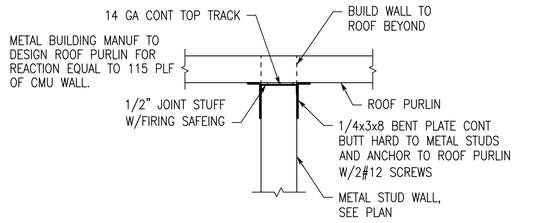


THICKENED SLAB ON GRADE DETAIL
TYPICAL

NOTE:
COORDINATE WITH ARCHITECTURAL DRAWINGS FOR TOP OF WALL ELEVATIONS AND WALLS THAT EXTEND TO ROOF STRUCTURE.

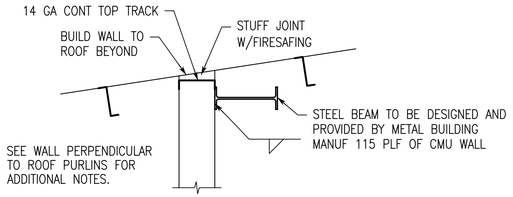


STAIR ON GRADE DETAIL
TYPICAL



WALL PERPENDICULAR TO ROOF PURLINS

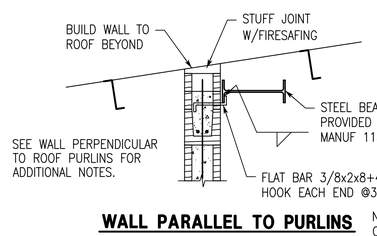
NOTE:
COORDINATE WITH ARCHITECTURAL DRAWINGS FOR TOP OF WALL ELEVATIONS AND WALLS THAT EXTEND TO ROOF STRUCTURE.



WALL PARALLEL TO PURLINS

METAL STUD WALL SUPPORT AT ROOF
TYPICAL

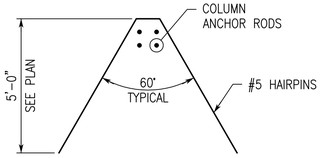
NOTE:
COORDINATE WITH ARCHITECTURAL DRAWINGS FOR TOP OF WALL ELEVATIONS AND WALLS THAT EXTEND TO ROOF STRUCTURE.



WALL PARALLEL TO PURLINS

MASONRY WALL SUPPORT AT ROOF
TYPICAL

NOTE:
COORDINATE WITH ARCHITECTURAL DRAWINGS FOR TOP OF WALL ELEVATIONS AND WALLS THAT EXTEND TO ROOF STRUCTURE.



NOTE: HAIRPIN TO BE ONE CONTINUOUS PIECE

COLUMN HAIRPIN DETAIL
TYPICAL

LATHAN McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
TYPICAL DETAILS

ALABAMA REGISTERED No. 22596 PROFESSIONAL ENGINEER CRAIG WINN
8-31-2026

PROJ. MGR.:	HCW
DRAWN:	ABS
DATE:	AUGUST 31, 2026
REVISIONS	

JOB NO. 25-70R

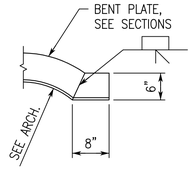
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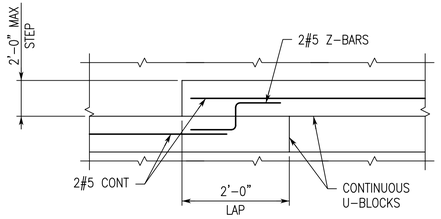
SDG
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LATHAN McKEE ARCHITECTS

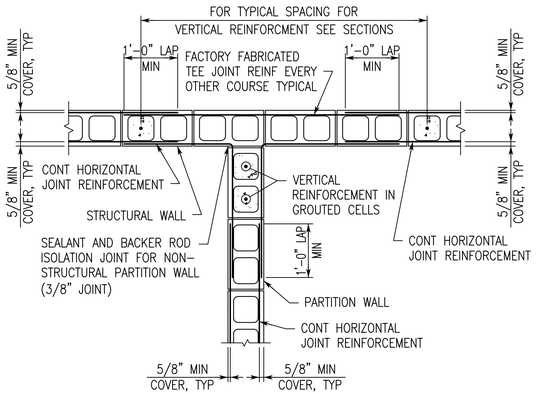
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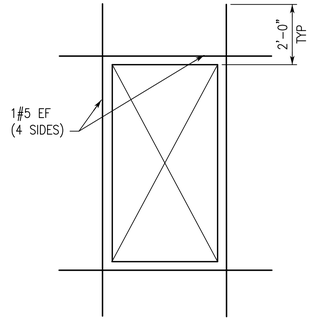
CURVED LINTEL DETAIL
TYPICAL



MASONRY BOND BEAM STEP DETAIL
TYPICAL



PARTITION WALLS ABUTTING STRUCTURAL WALLS
TYPICAL



NOTE:
COORDINATE SIZE &
LOCATION OF OPENINGS
WITH OTHER DISCIPLINES.

WALL OPENING REINFORCMENT DETAIL
TYPICAL

MASONRY LINTEL SCHEDULE

MAXIMUM OPENING WIDTH	STEEL FOR EACH 4" OF WALL THICKNESS
2'-0"	L3 1/2x3 1/2x3/8
4'-0"	L3 1/2x3 1/2x3/8
6'-0"	L3 1/2x3 1/2x3/8
8'-0"	L5x3 1/2x3/8 (LONG LEG VERTICAL)
10'-0"	L6x3 1/2x3/8 (LONG LEG VERTICAL)
12'-0"	L6x4x7/16 (LONG LEG VERTICAL)

1. PROVIDE 8" MINIMUM BEARING FOR ALL LINTELS.
2. ALL EXPOSED LINTEL ANGLES TO BE HOT DIP GALVANIZED.

MASONRY REINFORCING LAP SPLICE LENGTHS

BAR SIZE (#)	CENTERED (IN.)	EDGE (IN.)
3	18.0	18.0
4	24.0	29.0
5	30.0	45.0
6	43.0	54.0
7	60.0	63.0
8	72.0	72.0
9	82.0	82.0

NOTES:
1. LAP SPLICE LENGTHS APPLY TO BOTH HORIZONTAL AND VERTICAL REINFORCING.
2. REINFORCEMENT LARGER THAN NO. 9 BAR SHALL BE SPLICED USING MECHANICAL CONNECTIONS IN ACCORDANCE WITH ACI 530 & ACI 530.1.

NON-LOAD BEARING STACK BOND MASONRY LINTEL SCHEDULE

MAXIMUM OPENING WIDTH	LINTEL DIMENSIONS AND REINFORCING		
	DEPTH	8" WALL	
		REINFORCING	MAX HEIGHT OF WALL ABOVE LINTEL
2'-0"	8	1#4 BOT	20'-0"
4'-0"	8	1#4 BOT	10'-0"
6'-0"	8	1#5 BOT & 1#4 TOP	4'-0"
8'-0"	16	1#6 BOT & 1#5 TOP	15'-4"
10'-0"	16	1#7 BOT & 1#5 TOP	10'-0"
12'-0"	16	1#8 BOT & 1#5 TOP	7'-4"

1. DO NOT USE THIS SCHEDULE IF WALL IS LOAD BEARING SUPPORTING ANYTHING OTHER THAN WALL WEIGHT ONLY. IF WALL IS LOAD BEARING USE THE LOAD BEARING STACK BOND MASONRY LINTEL SCHEDULE.
2. PROVIDE 2'-0" MINIMUM BEARING FOR ALL LINTELS. FILL CELLS SOLID AT EACH SIDE OF OPENING AND REINFORCE WITH 1#5 BAR CONTINUOUS.
3. WHERE MAXIMUM HEIGHT OF WALL ABOVE LINTEL IS EXCEEDED, PROVIDE ADDITIONAL LINTELS EQUALLY SPACED ABOVE TO LIMIT WALL HEIGHTS ABOVE LINTEL TO THAT SHOWN IN THE TABLE ABOVE.
4. SHORE LINTEL UNTIL MORTAR AND GROUT HAVE SET AND CURED.
5. PROVIDE 8" DEEP BOND BEAM REINFORCED WITH 2#4 CONT AT BOTTOM OF ALL OPENINGS. EXTEND 2'-0" PAST OPENING ON EACH SIDE OF OPENING.

SITE CANTILEVER RETAINING WALLS

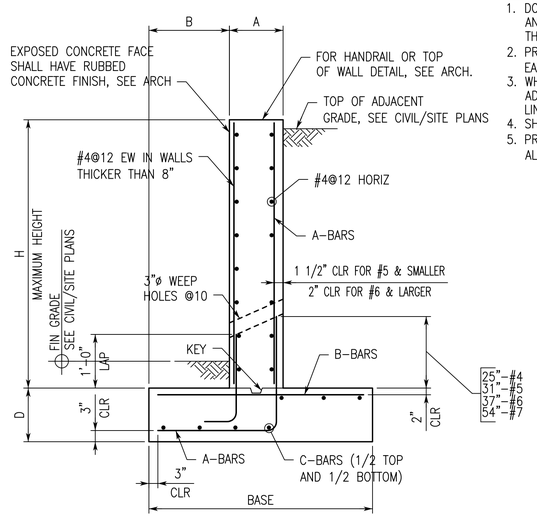
CONCRETE DIMENSIONS					REINFORCEMENT		
H	A	B	BASE	D	A-BARS	B-BARS	C-BARS
3'-0"	8"	6"	2'-7"	1'-0"	#4@12	#4@18	4#5
4'-0"	8"	6"	3'-3"	1'-0"	#4@12	#4@18	4#5
5'-0"	8"	7"	4'-3"	1'-0"	#4@12	#4@18	4#5
6'-0"	8"	10"	5'-3"	1'-0"	#4@12	#4@15	5#5
7'-0"	8"	1'-4"	6'-9"	1'-0"	#4@9	#4@15	6#5

NOTE:
DIMENSION "A" GIVEN (WALL THICKNESS) IS MINIMUM. FOR REQD THICKNESS, SEE PLAN.

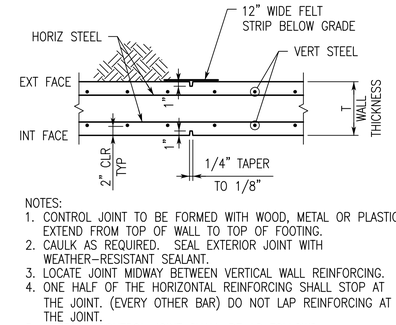
LOAD BEARING STACK BOND MASONRY LINTEL SCHEDULE

MAXIMUM OPENING WIDTH	LINTEL DIMENSIONS AND REINFORCING		
	DEPTH	8" WALL	12" WALL
4'-0"	24	2#5 BOT & 2#5 TOP	2#5 BOT & 2#5 TOP
6'-0"	32	2#5 BOT & 2#5 TOP	2#6 BOT & 2#6 TOP
8'-0"	32	2#6 BOT & 2#6 TOP	2#6 BOT & 2#6 TOP
12'-0"	40	2#5 BOT & 2#5 TOP	2#5 BOT & 2#5 TOP

1. PROVIDE 24" MINIMUM BEARING FOR ALL LINTELS. FILL CELLS SOLID AT EACH SIDE OF OPENING AND REINFORCE WITH 1#5 BAR CONTINUOUS. (JAMB BARS OF SAME SIZE AS VERTICAL WALL REINFORCING BARS.)
2. SHORE LINTEL UNTIL MORTAR AND GROUT HAVE SET AND CURED.
3. PROVIDE 8" DEEP BOND BEAM REINFORCED WITH 2#5 CONT AT BOTTOM OF ALL OPENINGS. EXTEND 24" PAST OPENING ON EACH SIDE OF OPENING.



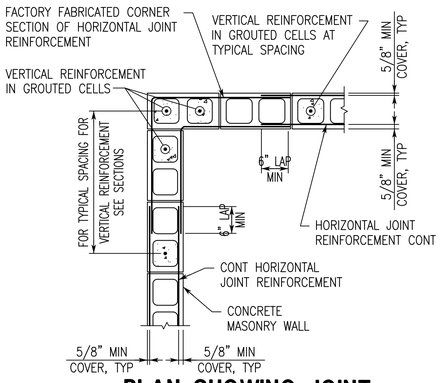
SITE RETAINING WALL SECTION
FOR BACKFILL MATERIAL, SEE GENERAL NOTES.



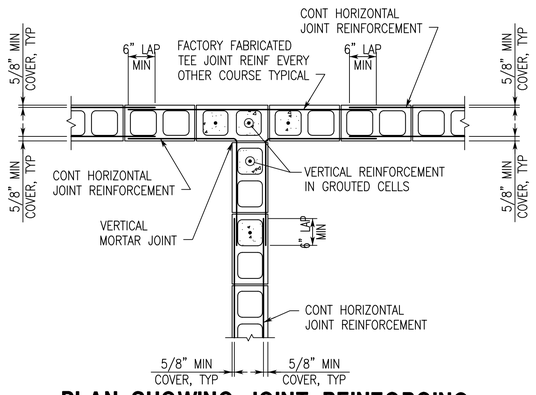
NOTES:
1. CONTROL JOINT TO BE FORMED WITH WOOD, METAL OR PLASTIC. EXTEND FROM TOP OF WALL TO TOP OF FOOTING.
2. CAULK AS REQUIRED. SEAL EXTERIOR JOINT WITH WEATHER-RESISTANT SEALANT.
3. LOCATE JOINT MIDWAY BETWEEN VERTICAL WALL REINFORCING.
4. ONE HALF OF THE HORIZONTAL REINFORCING SHALL STOP AT THE JOINT. (EVERY OTHER BAR) DO NOT LAP REINFORCING AT THE JOINT.
5. VERTICAL CONTROL JOINT SHALL BE AS FOLLOWS:

WALL HEIGHT	SPACING
2'-0" TO 8'-0"	3 TIMES WALL HEIGHT
8'-0" TO 12'-0"	2 TIMES WALL HEIGHT
12'-0" AND HIGHER	1 TIMES WALL HEIGHT
	(MAXIMUM SPACING TO BE 20'-0")

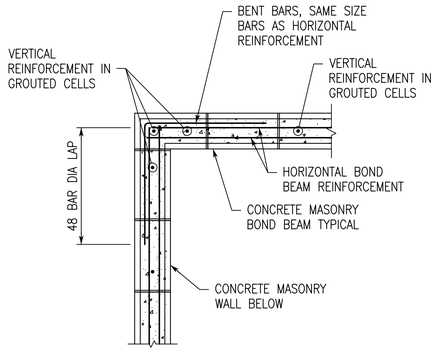
WALL CONTRACTION JOINT DETAIL
3/4"=1'-0"



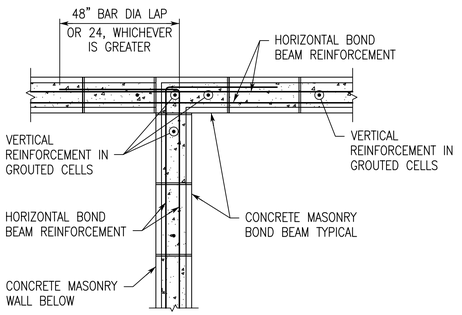
PLAN SHOWING JOINT REINFORCEMENT AT WALL CORNER
TYPICAL



PLAN SHOWING JOINT REINFORCING AT STRUCTURAL WALL INTERSECTION
TYPICAL



PLAN SHOWING BOND BEAM REINFORCEMENT AT WALL CORNER
TYPICAL



PLAN SHOWING BOND BEAM AT STRUCTURAL WALL INTERSECTION
TYPICAL

SHEET TITLE:
TYPICAL DETAILS

ALABAMA REGISTERED No. 22596 PROFESSIONAL ENGINEER H. CRAIG WINN
H. Craig Winn, P.E.
8-31-2026

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JOB NO. 25-70R

SHEET NO:
S1.3
4 OF 11

0 1" 2"

TENSION LAP SPLICE LENGTHS

BAR SIZE	f_C= 3000 PSI				f_C= 4000 PSI			
	TOP BARS		OTHER BARS		TOP BARS		OTHER BARS	
	A	B	A	B	A	B	A	B
#3	22"	28"	17"	22"	19"	24"	15"	19"
#4	29"	37"	22"	29"	25"	32"	19"	25"
#5	36"	47"	28"	36"	31"	40"	24"	31"
#6	43"	56"	33"	43"	37"	48"	29"	37"
#7	63"	81"	48"	63"	54"	70"	42"	54"
#8	72"	93"	55"	72"	62"	80"	48"	62"
#9	81"	105"	62"	81"	70"	91"	54"	70"
#10	91"	118"	70"	91"	79"	102"	61"	79"
#11	101"	131"	78"	101"	87"	113"	67"	87"

TOP BARS ARE HORIZONTAL REINFORCEMENT WITH MORE THAN 12" OF CONCRETE CAST BELOW THE REINFORCEMENT.

ANCHOR ROD EMBEDMENT LENGTHS

BOLT DIA	MIN EMBEDMENT
3/4"	9"
1"	12"
1 1/4"	15"
1 1/2"	18"

NOTE:
ANCHOR ROD SIZE AND MATERIAL TO BE PROVIDED BY METAL BUILDING MANUFACTURER. THE ABOVE TABLE IS MINIMUM EMBEDMENT TO FULLY DEVELOP ASTM F1554 GRADE 36 HEADED ANCHOR RODS. FINAL ANCHOR ROD EMBEDMENT DEPTH SHALL BE DETERMINED BY STRUCTURAL ENGINEER AFTER SUBMITTAL OF COLUMN BASE AND ANCHOR ROD INFORMATION FROM METAL BUILDING MANUFACTURER PRIOR TO MATERIAL ORDER AND FABRICATION.

PIPING WEIGHTS

PIPE DIAMETER	PIPE WT PER/FOOT (PLF)	FLUID WT PER/FOOT (PLF)	INSULATION & HANGERS (PLF)	TOTAL WT PER/FOOT (PLF)
4"	10.80	6.10	2.00	18.90
6"	19.00	13.80	3.00	35.80
8"	28.60	23.90	4.00	56.50
10"	40.50	37.50	4.00	82.00
12"	49.60	54.00	5.00	108.60
14"	54.60	65.70	5.00	125.30
16"	62.60	87.10	5.00	154.70

NOTES:
1. FROM ANVIL INTERNATIONAL PIPE FITTERS HANDBOOK.
2. ALL PIPES ASSUMED TO BE SCHEDULE 40.
3. FLUID WEIGHT INCLUDES ALLOWANCE FOR GLYCOL CONCENTRATION.
4. PIPING SUPPORT AND THRUST BRACING REQUIREMENTS SHALL BE COORDINATED BY THE GENERAL CONTRACTOR WITH THE STEEL/JOIST FABRICATOR. SEE MECHANICAL/PLUMBING DRAWINGS FOR PIPING SUPPORT AND THRUST BRACING REQUIREMENTS.
5. FOR PIPE SIZES NOT LISTED, CONTACT STRUCTURAL ENGINEER.

COMPONENTS AND CLADDING WIND LOADS FOR WALLS (PSF)

114 MPH VELOCITY (3-SEC. GUST)	EFFECTIVE WIND AREA (FT^2)	ZONES 4 & 5	ZONE 4 (Int.)	ZONE 5 (Edge)
	10	33.2	-36.1	-44.5
	20	31.7	-34.5	-41.5
	50	29.8	-32.5	-37.6
	100	28.3	-31.0	-34.6
	200	26.8	-29.5	-31.6
	500	24.8	-27.6	-27.6

NOTES:
1. WIDTH OF EDGE STRIP 'a' = 9'-5".
2. VALUES SHOWN ABOVE HAVE BEEN ADJUSTED FOR BUILDING HEIGHT AND EXPOSURE ACCORDING TO ASCE 7-16 STANDARD TABLE 30.3-1. VALUES SHOWN ARE ULTIMATE.
3. PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE BUILDING SURFACES.
4. EFFECTIVE WIND AREA IS THE SPAN LENGTH MULTIPLIED BY AN EFFECTIVE WIDTH THAT NEED NOT BE LESS THAN ONE-THIRD THE SPAN LENGTH. FOR CLADDING FASTENERS, THE EFFECTIVE WIND AREA SHALL NOT BE GREATER THAN THE AREA THAT IS TRIBUTARY TO AN INDIVIDUAL FASTENER.
5. WIND PRESSURES IN THESE TABLES SHALL BE MULTIPLIED BY 0.6 TO OBTAIN NOMINAL WIND PRESSURES.

METAL BUILDING COLUMN REACTIONS (KIPS)

COLUMN DESIGNATION	DEAD		COLLATERAL		ROOF LIVE		WIND EW		WIND NS	
	H	V	H	V	H	V	H	V	H	V
A1,H1,A8,H8	-3.0	4.3	-4.3	5.9	-8.8	12	9.5/-2.9	-10.0	7.6/-5.0	-15.4
A2,H2	-5.5	14.2	-7.5	16.3	-15	32.7	24.7/-12.0	-29.3	6.4/-6.4	-14.1
B1,D1,E1,G1,C8,F8	-	2.5	-		-	-	-3.4	-	3.8	-

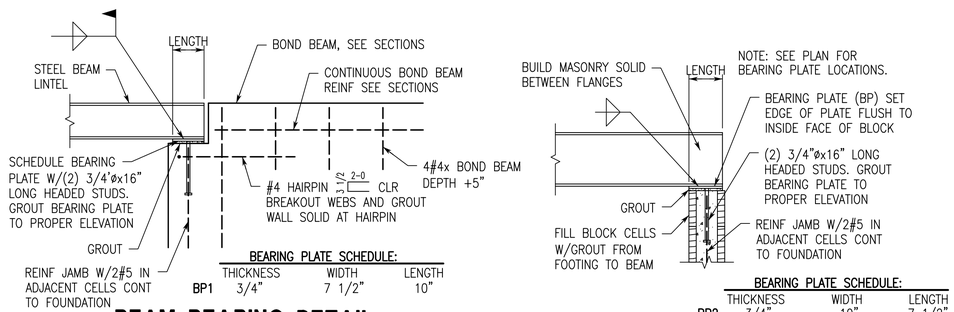
**A3,H3,A4,H4,A5,H5,A6,H6,A7,H7

NOTES:
1. BEFORE INSTALLATION OF FOUNDATIONS, METAL BUILDINGS SUPPLIER SHALL SUBMIT DESIGN LOADS AND COLUMN REACTIONS TO THE ARCHITECT/ENGINEER FOR REVIEW. THE CURRENT FOUNDATION DESIGN HAS BEEN BASED ON PRELIMINARY METAL BUILDING REACTIONS GENERATED BY STRUCTURAL DESIGN GROUP AND SHOWN IN THE TYPICAL DETAILS. THIS MAY REQUIRE ADJUSTMENTS TO THE FOUNDATION SIZES AFTER REVIEW OF THE FINAL METAL BUILDING COLUMN REACTIONS.
2. POSITIVE AND NEGATIVE AXIAL FORCES (V) INDICATE FORCES ACTING TO AND AWAY FROM THE STRUCTURE, RESPECTIVELY. POSITIVE AND NEGATIVE SHEAR (H) INDICATE FORCES ACTING TOWARD AND AWAY FROM THE CENTER OF THE BUILDING, RESPECTIVELY.
3. LATERAL FORCES SHOWN ARE ULTIMATE LEVEL FORCES.

COMPONENTS AND CLADDING WIND LOADS FOR ROOF (PSF)

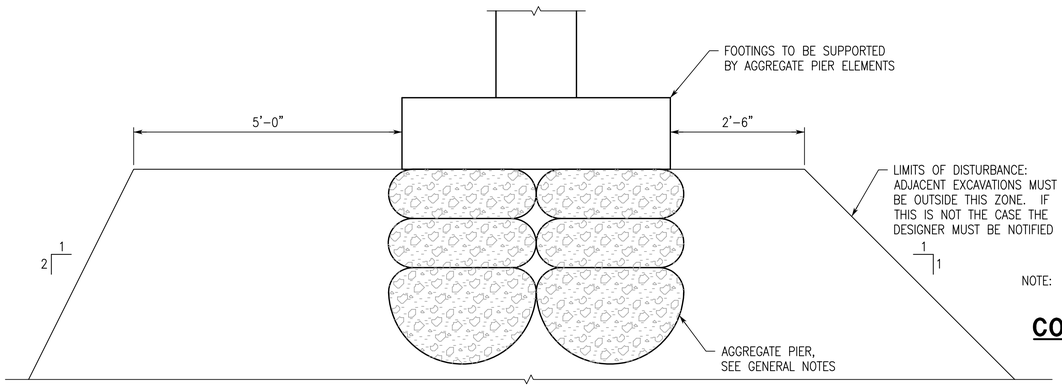
		ROOF				OVERHANG			
114 MPH VELOCITY (3-SEC. GUST)	EFFECTIVE WIND AREA (FT^2)	Positive Max. Net Pressure 'p' (PSF)	Zones 1 & 2e (Int.)	Zones 2n, 2r, & 3e (Edge)	Zone 3r (Corner)	Zones 1 & 2e (Int.) - Max. Net Pressure 'p' (PSF)	Zones 2n & 2r (Edge) - Max. Net Pressure 'p' (PSF)	Zones 3e (Corner) - Max. Net Pressure 'p' (PSF)	Zones 3r (Corner) - Max. Net Pressure 'p' (PSF)
	10	20.2	-61.4	-89.6	-106.5	-70.4	-98.6	-115.5	-132.4
	20	18.2	-61.4	-77.4	-91.2	-70.4	-89.5	-99.7	-112.0
	50	16.0	-37.3	-61.4	-71.0	-54.4	-77.5	-78.9	-85.1
	100	16.0	-19.2	-49.3	-55.8	-42.2	-68.4	-63.1	-64.8
	200	16.0	-19.2	-37.1	-55.8	-42.2	-59.3	-47.3	-64.8
	500	16.0	-19.2	-33.2	-55.8	-42.2	-56.3	-42.2	-64.8

NOTES:
1. WIDTH OF EDGE STRIP 'a' = 9'-5".
2. VALUES SHOWN ABOVE HAVE BEEN ADJUSTED FOR BUILDING HEIGHT AND EXPOSURE ACCORDING TO ASCE 7-16 STANDARD TABLE 30.3-1. VALUES SHOWN ARE ULTIMATE.
3. PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE BUILDING SURFACES.
4. EFFECTIVE WIND AREA IS THE SPAN LENGTH MULTIPLIED BY AN EFFECTIVE WIDTH THAT NEED NOT BE LESS THAN ONE-THIRD THE SPAN LENGTH. FOR CLADDING FASTENERS, THE EFFECTIVE WIND AREA SHALL NOT BE GREATER THAN THE AREA THAT IS TRIBUTARY TO AN INDIVIDUAL FASTENER.
5. CONSIDER 5 PSF MINIMUM DEAD LOAD FOR UPLIFT CALCULATIONS FOR ROOF TRUSSES AND 2 PSF MINIMUM DEAD LOAD FOR UPLIFT CALCULATIONS FOR ROOF DECK.
6. WIND PRESSURES IN THESE TABLES SHALL BE MULTIPLIED BY 0.6 TO OBTAIN NOMINAL WIND PRESSURES.



BEAM BEARING DETAIL IN LINE WITH CMU WALL
TYPICAL

BEAM BEARING DETAIL
TYPICAL

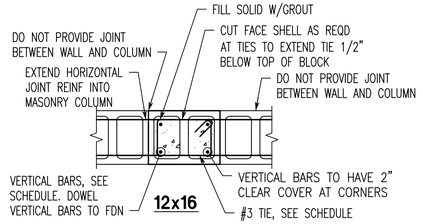


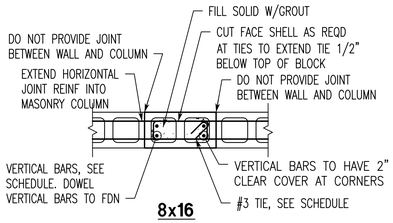
ADJACENT EXCAVATION TO FOUNDATION DETAIL
TYPICAL



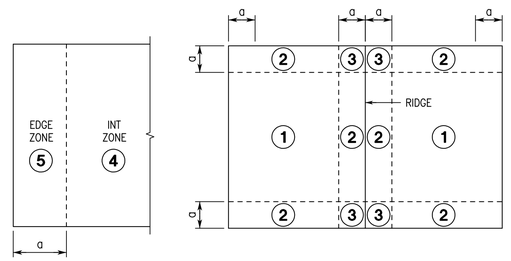
NOTE: ALTERNATE POSITION OF TIE HOOKS IN PLACING SUCCESSIVE SETS OF TIES

COLUMN TIE DETAILS
TYPICAL





MASONRY COLUMN (MC)
TYPICAL



WALLS GABLE ROOFS

WALL AND ROOF WIND PRESSURE ZONE DIAGRAMS
TYPICAL

MASONRY COLUMN SCHEDULE (MC)

COLUMN DESIGNATION		MC1	M21	
COLUMN	SIZE	8x16	12x16	
	VERTICALS	4#5	4#5	
	TIES	#3@8	#3@8	
	NOTES	1,2,3	1,2,3	

NOTES:
1. SEE COLUMN TIE DETAIL THIS SHEET.
2. DOWEL VERTICAL STEEL INTO FOOTING THE THICKNESS OF THE FOOTING MINUS 3" WITH STANDARD HOOK. LAP DOWELS WITH VERTICALS 72 BAR DIA.
3. EXTEND VERTICALS FULL HEIGHT OF WALL UNLESS NOTED.

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Job Number 26-003A

LATHAN McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

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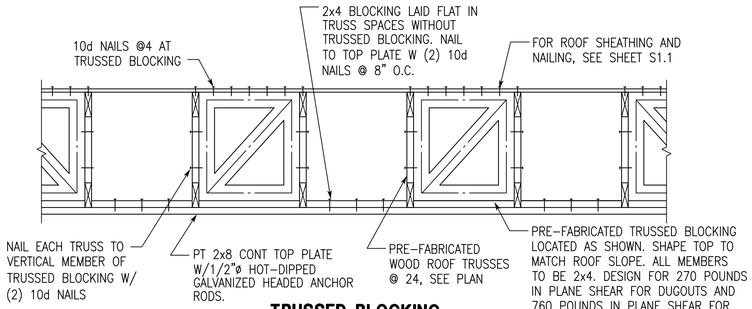
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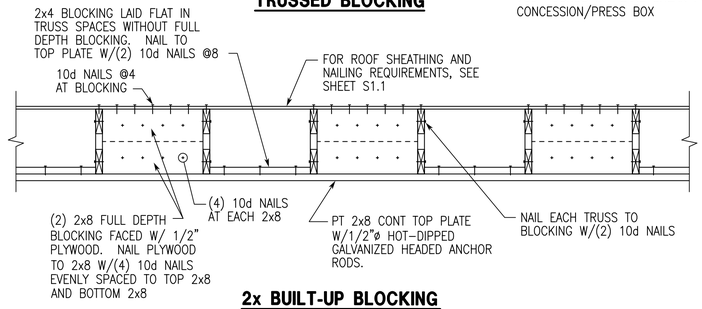
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Job Number 26-003A



TRUSSED BLOCKING

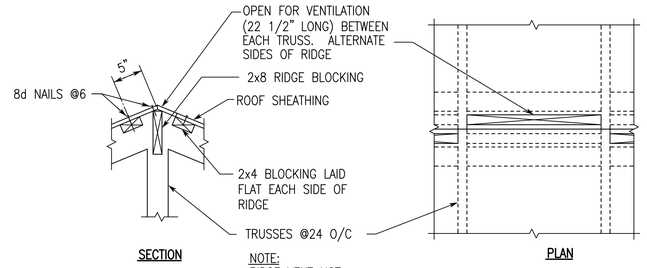


2x BUILT-UP BLOCKING

TRUSS BLOCKING AT EXTERIOR WALL

TYPICAL

NOTE:
CONTRACTORS OPTION TO USE EITHER TRUSSED BLOCKING OR 2x BUILTUP BLOCKING AT AREAS WHERE TRUSS HEEL HEIGHT EXCEEDS THAT WHICH TYPICAL 2x SOLID DEPTH BLOCKING IS PRACTICAL.



NOTE:
RIDGE VENT NOT SHOWN. SEE ARCH.

BLOCKING AT RIDGE VENT

TYPICAL

LATHAN ▪ McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
TYPICAL DETAILS

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H. Craig Winn, P.E.
8-31-2026

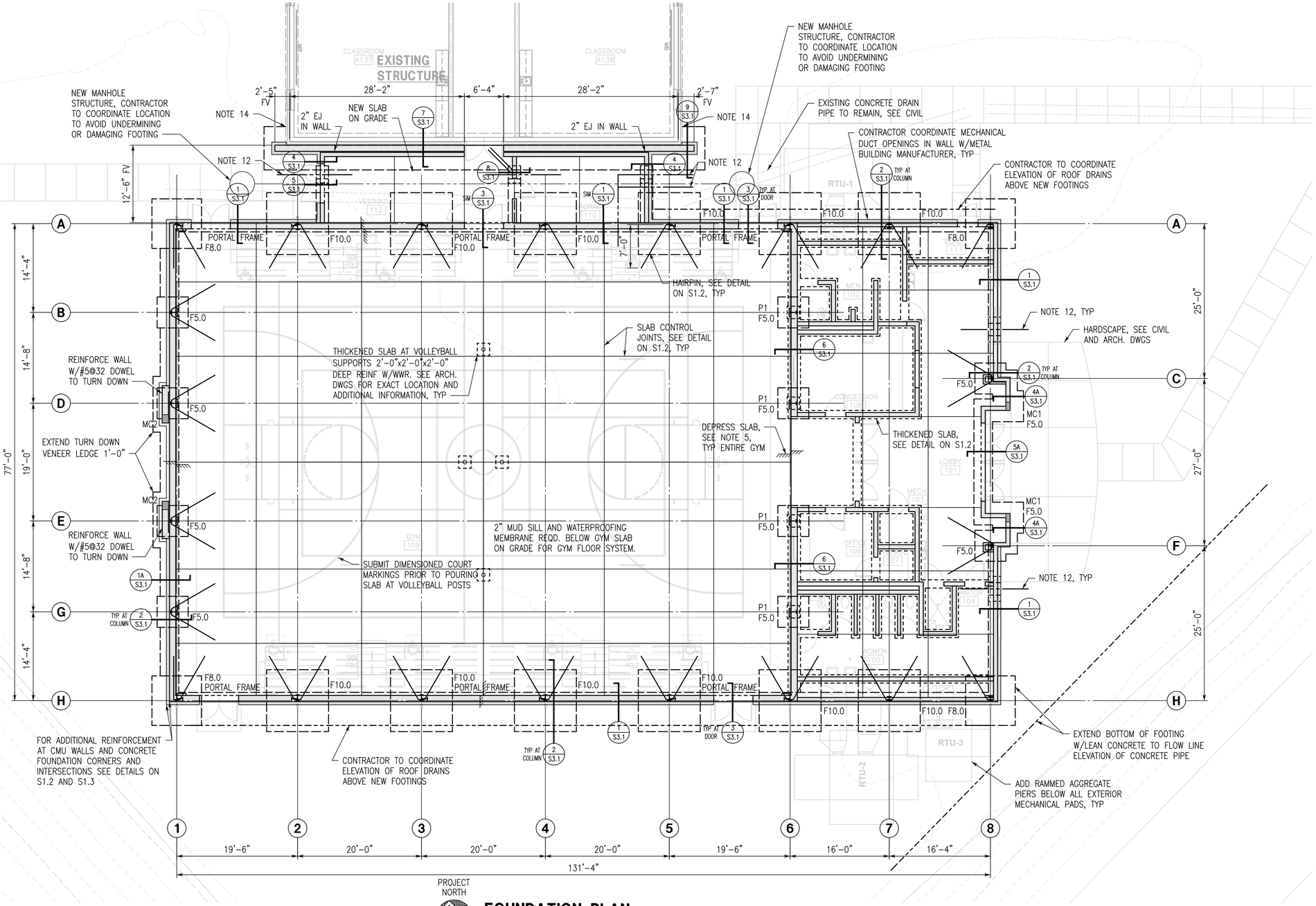
PROJ. MGR.:	HCW
DRAWN:	ABS
DATE:	AUGUST 31, 2026
REVISIONS	

JOB NO. 25-70R

SHEET NO:
S1.5
6 OF 11

0 1" 2"

SDG
STRUCTURAL DESIGN GROUP
300 Chase Park South, Suite 125
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tel 205-824-5200
fax 205-824-5280
Job Number 26-003A



PROJECT NORTH

FOUNDATION PLAN

1/8"=1'-0"

1. FINISH FLOOR (TOP OF SLAB) ELEVATION 0'-0", UNLESS NOTED.
2. TOP OF FOOTING ELEVATION -2'-0" BELOW FINISH FLOOR, UNLESS NOTED.
3. FOR GENERAL NOTES, SEE SHEETS S1.0 AND S1.1.
4. FOR SLAB ON GRADE CONSTRUCTION, SEE GENERAL NOTES AND TYPICAL DETAILS.
5. DEPRESS GYM FLOOR SLAB, SEE ARCHITECTURAL DRAWINGS AND DETAIL ON S1.2 FOR ADDITIONAL INFORMATION. CONTRACTOR COORDINATE FINAL SLAB DEPRESSION DEPTH WITH GYM FLOOR MANUFACTURER.
6. GENERAL CONTRACTOR SHALL CUT SAWN JOINTS NO MORE THAN 8 HOURS AFTER STEEL TROWEL FINISH ON SLAB.
7. GENERAL CONTRACTOR TO COORDINATE ALL DRAWINGS WITH THE METAL BUILDING SUPPLIER BEFORE FOUNDATION INSTALLATION BEGINS. SEE GENERAL NOTES ON S1.1 FOR ADDITIONAL INFORMATION.
8. GENERAL CONTRACTOR SHALL OBTAIN AND LAYOUT COLUMN ANCHOR RODS FROM ANCHOR ROD SETTING PLAN PROVIDED BY THE METAL BUILDING MANUFACTURER.
9. FOR PRE-FABRICATED METAL BUILDING, SEE GENERAL NOTES ON S1.0 AND S1.1.
10. "F#" INDICATES CONCRETE SPREAD FOOTING. SEE SCHEDULE ON THIS SHEET FOR SIZE AND REINFORCING.
11. COORDINATE ALL BUILDING OFFSETS AND SLAB EDGES WITH ARCHITECTURAL DRAWINGS.
12. COORDINATE ALL FOOTING STEPS, INVERT LOCATIONS AND PLUMBING BELOW TURN DOWN FOOTINGS WITH CIVIL AND PLUMBING. SEE DETAILS ON S1.2 FOR ADDITIONAL INFORMATION.
13. "P1" INDICATES 2'-0"x2'-0" PEDESTAL EXTENDING FROM TOP OF FOOTING TO FINISH FLOOR. REINFORCE WITH SADDLES SIMILAR TO SECTION 2/S3.1.
14. GENERAL CONTRACTOR COORDINATE FOOTING ELEVATIONS AND STEP NEW FOOTINGS AS REQUIRED TO MATCH EXISTING FOOTING ELEVATIONS. DOWEL CONTINUOUS REINFORCING 9" INTO EXISTING FOOTING BY DRILLING AND ANCHORING WITH EPOXY ADHESIVE.
15. "MCx" INDICATES MASONRY COLUMN, SEE SCHEDULE AND DETAILS ON S1.4.
16. ALL FOOTINGS AND SLAB ON GRADE ARE TO BE SUPPORTED ON RAMMED AGGREGATE PIERS DESIGNED BY THE CONTRACTOR. ACTUAL LAYOUT OF RAMMED AGGREGATE PIERS ARE TO BE DETERMINED BY THE CONTRACTOR. FOR ADDITIONAL RAMMED AGGREGATE PIER INFORMATION, SEE GENERAL NOTES, SPECIFICATIONS AND DETAIL ON S1.4.

FOOTING SCHEDULE

FOOTING DESIGNATION		F5.0	F6.0	F8.0	F10.0
FOOTING	SIZE (LxW)	5'-0"x5'-0"	6'-0"x6'-0"	8'-0"x8'-0"	10'-0"x10'-0"
	DEPTH (D)	1'-0"	1'-0"	1'-6"	2'-0"
	REINF EW (BOT)	5#5	6#5	8#6	10#7
	NOTES	1	1	1	1

NOTES:
1. PROVIDE SCHEDULED REINFORCING AT TOP AND BOTTOM OF FOOTING.

PROJECT NORTH

KEY PLAN

NOT TO SCALE

LATHAN McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
FOUNDATION PLAN

ALABAMA REGISTERED No. 22596 PROFESSIONAL ENGINEER H. CRAIG WINN, P.E.
8-31-2026

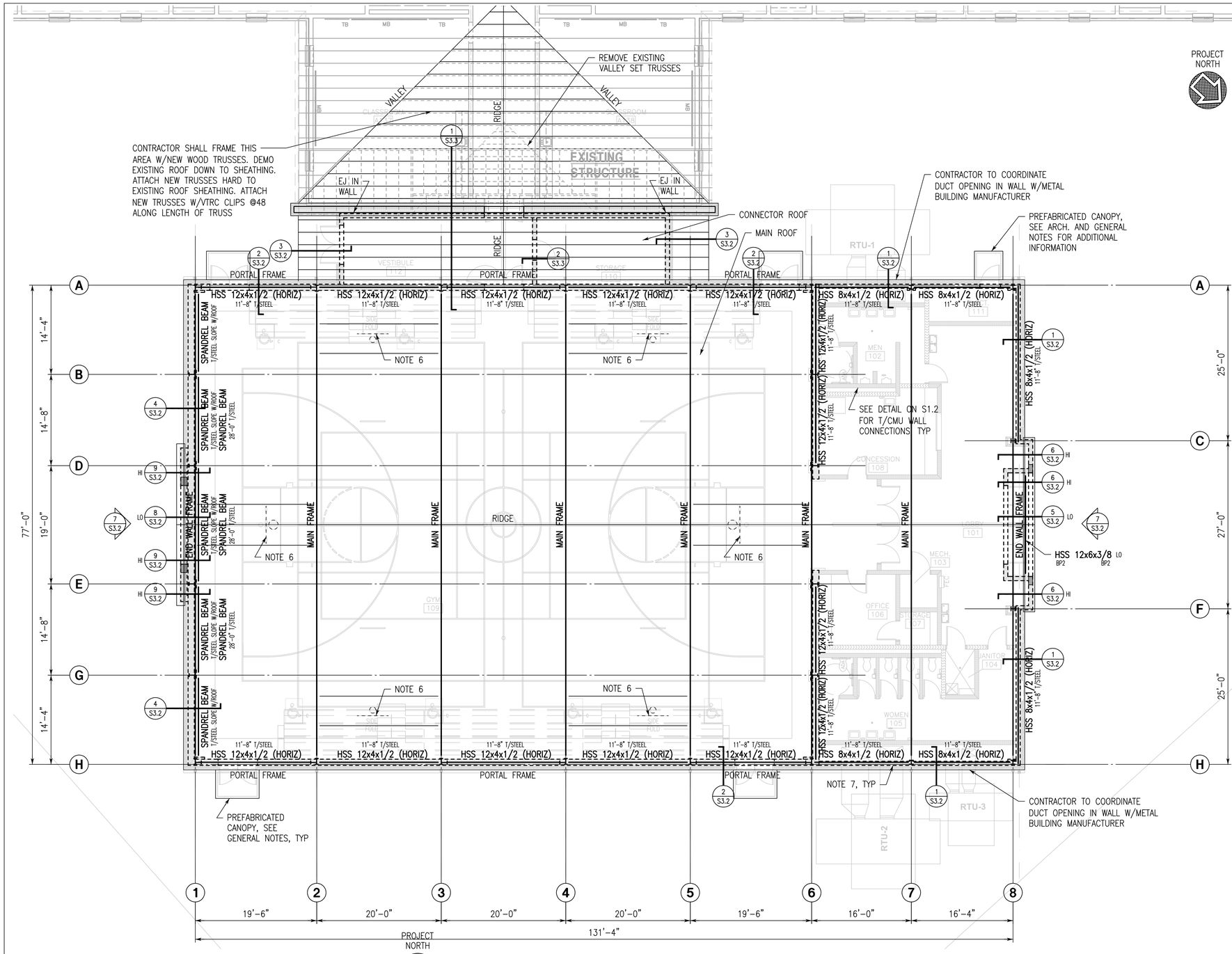
PROJ. MGR.:	HCW
DRAWN:	ABS
DATE:	AUGUST 31, 2026
REVISIONS	

JOB NO. 25-70R

SHEET NO:
S2.1
7 OF 11

0 1" 2"

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fax 205-824-5280
Job Number 26-003A



PROJECT NORTH

CONNECTOR ROOF FRAMING PLAN

1/8"=1'-0"

1. TRUSS BEARING ELEVATION 10'-11" (MATCH EXISTING, CONTRACTOR VERIFY) ABOVE FINISHED FLOOR, UNLESS NOTED.
2. ROOF SYSTEM: 3/4" PLYWOOD DIAPHRAGM ON PREFABRICATED ROOF TRUSSES AT 2'-0" MAXIMUM ON CENTER. SEE GENERAL NOTES.
3. TOP OF CMU IS EITHER LEVEL OR SLOPING UNIFORMLY BETWEEN NOTED ELEVATIONS.
4. TRUSSES BEAR ON ALL WALLS AS SHOWN.
5. FOR WALL LOCATIONS, SEE ARCHITECTURAL DRAWINGS.
6. PROVIDE MASONRY LINTELS AT ALL OPENINGS, SEE SCHEDULES ON S1.3.
7. GENERAL CONTRACTOR SHALL COORDINATE TRUSS LAYOUT WITH MECHANICAL EQUIPMENT AND DUCT LOCATIONS.
8. BLOCKING TRUSS SHALL BE LOCATED AS SHOWN ON PLAN. TRUSS SHALL BE DESIGNED BY THE TRUSS MANUFACTURER TO TRANSFER 400 LBS (SERVICE) OF FORCE DOWN TO TOP OF WALL. SEE DETAIL ON S1.5. ANCHOR TOP CHORD OF BLOCKING TRUSS TO ROOF AS DIRECTED BY TRUSS MANUFACTURER TO TRANSFER 100 LBS/FT (SERVICE) SHEAR FORCE.
9. SOFFIT FRAMING SHALL BE DESIGNED BY CONTRACTOR TO HANG FROM ROOF STRUCTURE.
10. HANGER LOCATIONS FOR PIPING LARGER THAN 3" IN DIAMETER MUST BE COORDINATED BY THE GENERAL CONTRACTOR WITH THE TRUSS MANUFACTURER. FOR PIPING WEIGHS, SEE DETAIL ON S1.4.
11. BLOCKING TRUSSES, BRIDGING, PERMANENT BRACING, ECT. SHALL BE DESIGNED AND INDICATED ON THE TRUSS LAYOUT SHOP DRAWINGS. FOR ADDITIONAL INFORMATION, SEE GENERAL NOTES.
12. CONTRACTOR NOTE: ALL MECHANICAL OPENING SIZES AND LOCATIONS IN LOAD BEARING MASONRY WALL SHOULD BE COORDINATED BY THE CONTRACTOR AND INDICATED ON THE MASONRY WALL REINFORCING SHOP DRAWINGS.

PROJECT NORTH

MAIN ROOF FRAMING PLAN

1/8"=1'-0"

1. ROOF SYSTEM: PREFABRICATED METAL BUILDING FRAMES WITH PURLINS SUPPORTING STANDING SEAM METAL ROOFING.
2. METAL BUILDING MANUFACTURER TO USE FRAME LINES AS INDICATED. WHERE THIS IS NOT FEASIBLE THE METAL BUILDING SHOP DRAWINGS SHOULD CLEARLY DESIGNATE ANY DEVIATIONS. ARCHITECT MUST APPROVE ANY CHANGES MADE TO FRAME LAYOUT PRIOR TO FABRICATION.
3. LOCATIONS OF PORTAL AND BRACED FRAMES FOR LATERAL STABILITY OF THE STRUCTURE TO BE AS DIRECTED BY THE METAL BUILDING MANUFACTURER. EVERY EFFORT SHOULD BE MADE TO COORDINATE FRAMES WITH EXISTING ARCHITECTURE. LOCATIONS AND SIZE OF FRAME ELEMENTS SHOULD BE CLEARLY DEFINED ON SHOP DRAWINGS SUBMITTED FOR APPROVAL.
4. HANGER LOCATIONS FOR PIPING LARGER THAN 3 INCHES IN DIAMETER MUST BE COORDINATED BY GENERAL CONTRACTOR WITH THE METAL BUILDING MANUFACTURER. FOR PIPING WEIGHTS, SEE TABLE ON SHEET S1.4.
5. CONTRACTOR COORDINATE SPRINKLER PIPING LOADS WITH METAL BUILDING MANUFACTURER. FOR PIPING WEIGHTS, SEE TABLE ON SHEET S1.4. PIPING WILL RESULT IN A CONCENTRATED LOAD AT HANGER LOCATIONS. COORDINATE MAXIMUM HANGER SPACING WITH METAL BUILDING MANUFACTURER.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN OF BASKETBALL GOAL SUPPORTS AND THEIR ATTACHMENT TO THE ROOF STRUCTURE. PROVIDE ADDITIONAL FRAMING AS NECESSARY TO FRAME GOALS BETWEEN MAIN AND END WALL FRAMES AS SHOWN. SUBMIT SHOP DRAWINGS SHOWING DETAILING OF GOAL SUPPORTS AND ATTACHMENT TO ROOF STRUCTURE SIGNED BY A REGISTERED PROFESSIONAL ENGINEER. COORDINATE APPLIED LOADS AND ATTACHMENT TO ROOF STRUCTURE WITH METAL BUILDING MANUFACTURER.
7. CONTRACTOR COORDINATE ALL MECHANICAL PENETRATIONS WITH METAL BUILDING MANUFACTURER. WHERE MECHANICAL PENETRATES CMU WALL, PROVIDE LINTEL AS SCHEDULED ON S1.3.

PROJECT NORTH

KEY PLAN

NOT TO SCALE

LATHAN McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
ROOF FRAMING PLAN

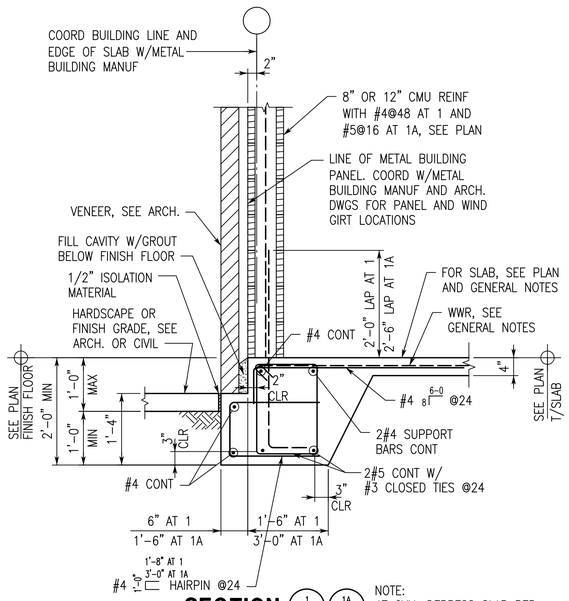
ALABAMA REGISTERED No. 22596 PROFESSIONAL ENGINEER CRAIG WINN
H. Craig Winn P.E.
8-31-2026

PROJ. MGR.:	HCW
DRAWN:	ABS
DATE:	AUGUST 31, 2026
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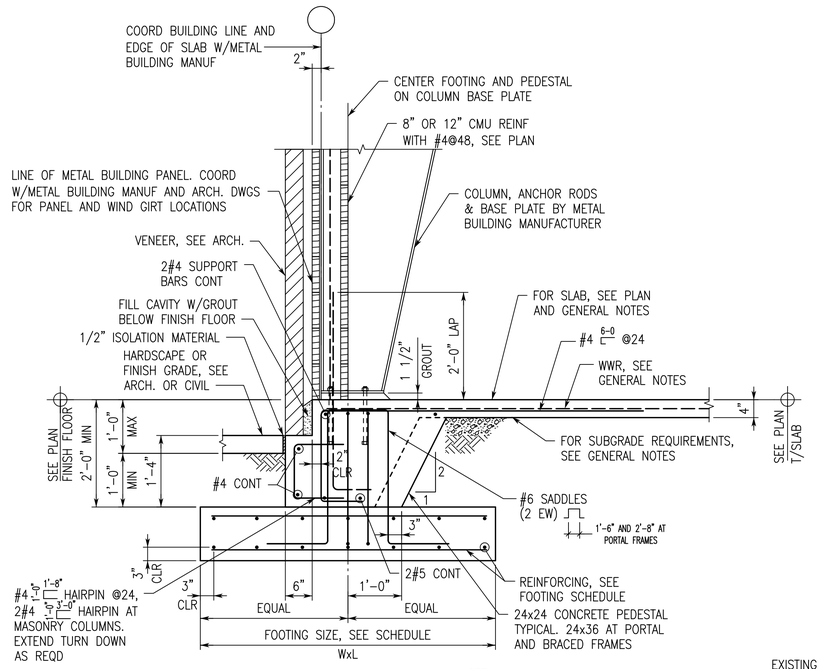
SHEET NO:
S2.2
8 OF 11

0 1" 2"



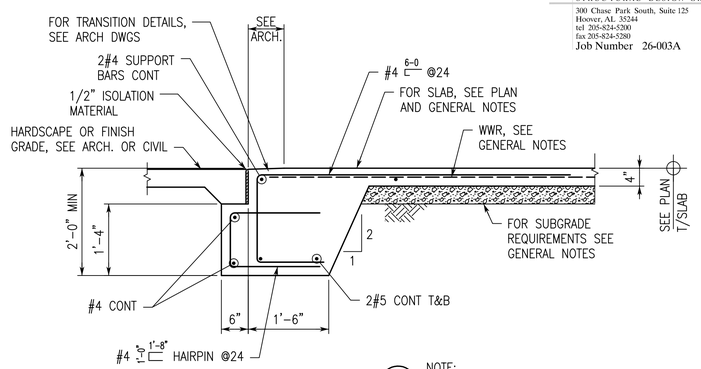
SECTION 1/S3.1 1A/S3.1
3/4"=1'-0"

NOTE:
AT GYM, DEPRESS SLAB PER ARCHITECTURAL DRAWINGS.



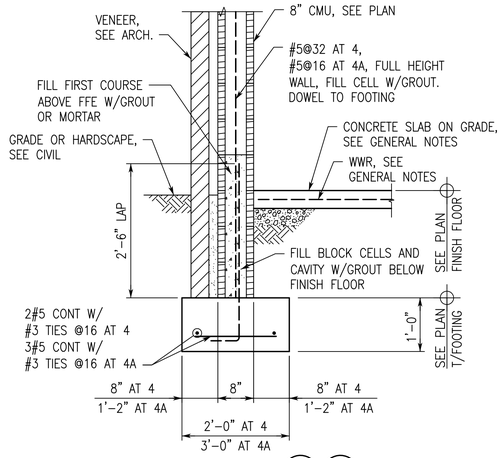
SECTION 2/S3.1
3/4"=1'-0"

NOTE:
AT ALTERNATE CONDITION, DEPRESS SLAB 3" PER ARCHITECTURAL DRAWINGS.
AT SIM CONDITION, SLAB ON GRADE REINF WITH WWR IN LIEU OF GRADE AT FINISH FLOOR ELEVATION.

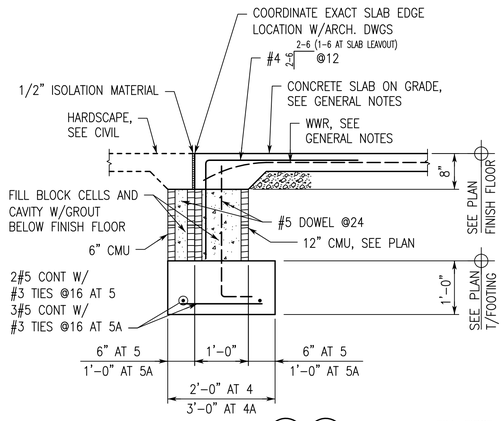


SECTION 3/S3.1
3/4"=1'-0"

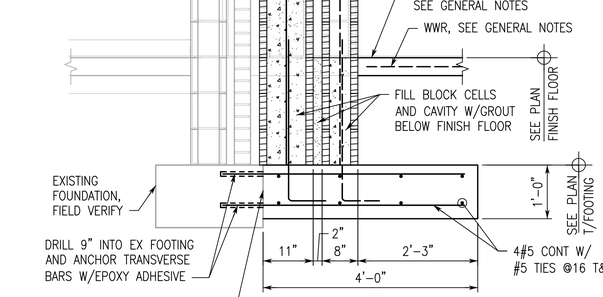
NOTE:
AT ALTERNATE CONDITION, DEPRESS SLAB 3" PER ARCHITECTURAL DRAWINGS.
AT SIM CONDITION, SLAB ON GRADE REINF WITH WWR IN LIEU OF GRADE AT FINISH FLOOR ELEVATION.



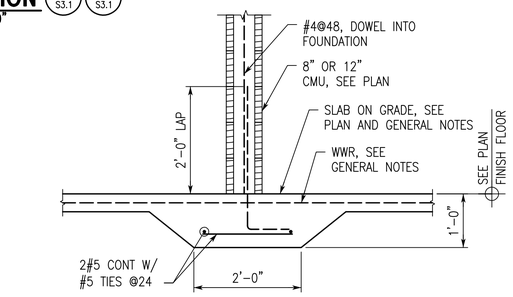
SECTION 4/S3.1 4A/S3.1
3/4"=1'-0"



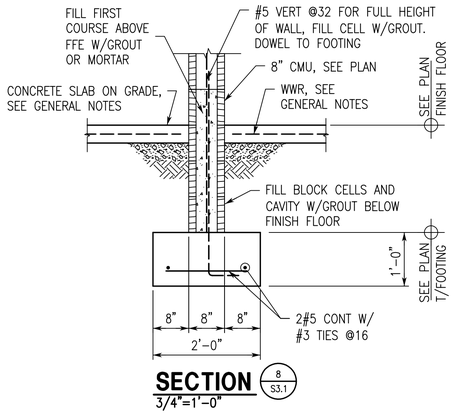
SECTION 5/S3.1 5A/S3.1
3/4"=1'-0"



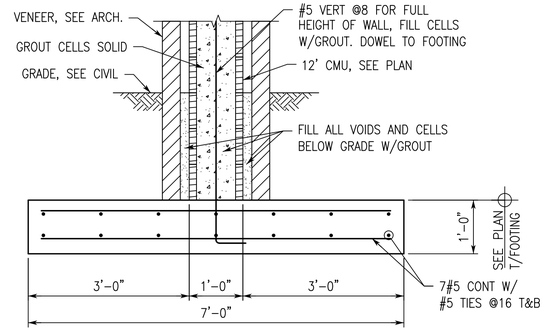
SECTION 7/S3.1
3/4"=1'-0"



SECTION 6/S3.1
3/4"=1'-0"



SECTION 8/S3.1
3/4"=1'-0"



SECTION 9/S3.1
3/4"=1'-0"

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Job Number 26-003A

LATHAN McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
SECTIONS AND DETAILS

ALABAMA REGISTERED No. 22596 PROFESSIONAL ENGINEER CRAIG WINN
H. Craig Winn, P.E.
8-31-2026

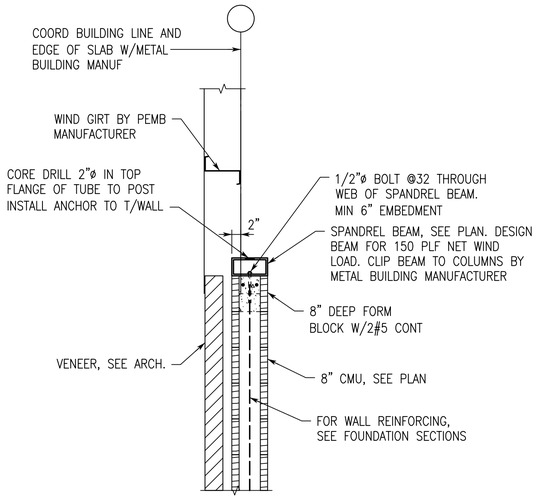
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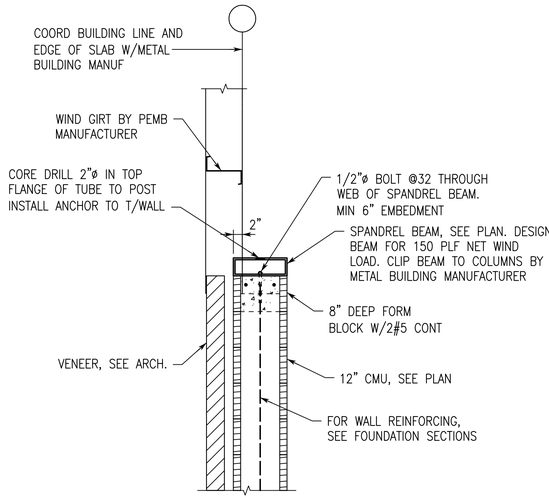
SHEET NO:
S3.1
9 OF 11

0 1" 2"

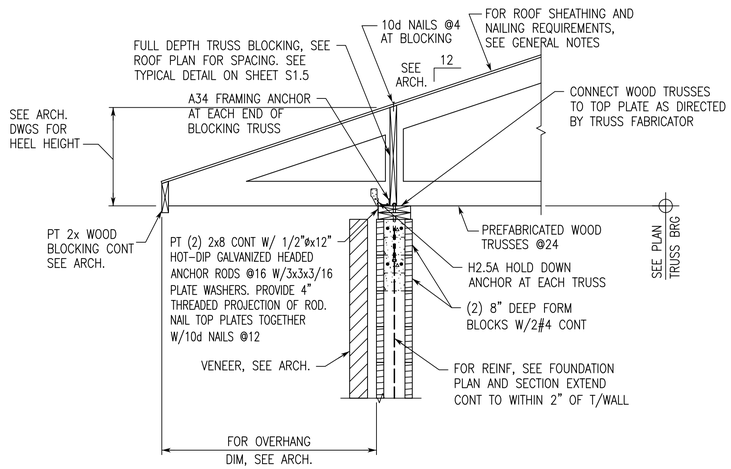
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SECTION 1/S3.2
3/4"=1'-0"



SECTION 2/S3.2
3/4"=1'-0"



SECTION 3/S3.2
3/4"=1'-0"

SECTION 4/S3.2
3/4"=1'-0"

SECTION 5/S3.2
3/4"=1'-0"

SECTION 6/S3.2
3/4"=1'-0"

ELEVATION 7/S3.2
3/4"=1'-0"

SECTION 6/S3.2
3/4"=1'-0"

SECTION 9/S3.2
3/4"=1'-0"

LATHAN McKEE ARCHITECTS

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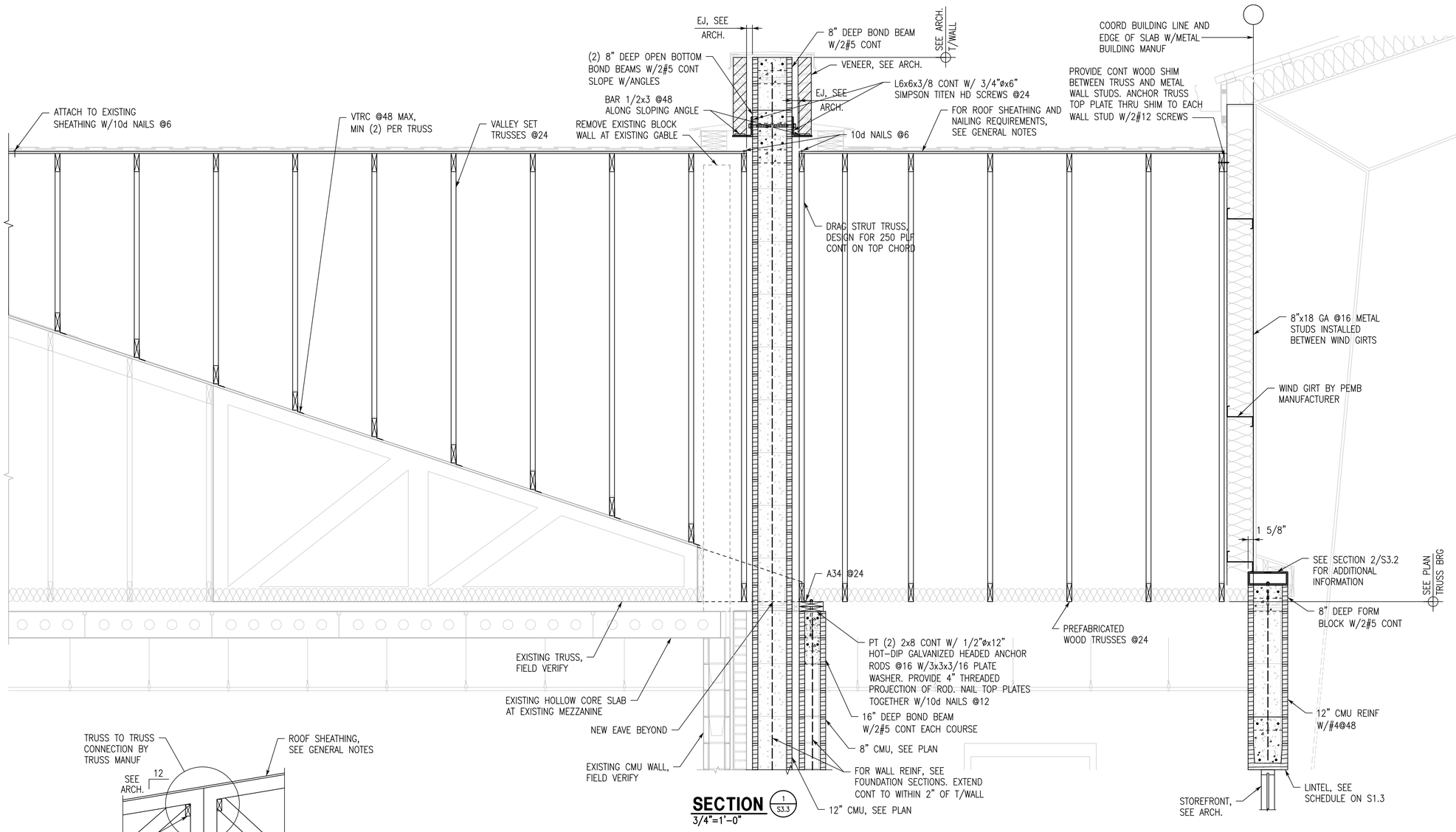
SHEET TITLE:
SECTIONS AND DETAILS

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H. Craig Winn, P.E.
8-31-2026

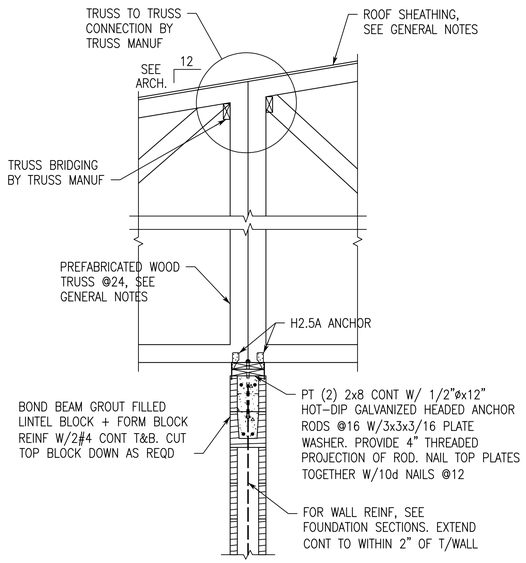
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DATE:	AUGUST 31, 2026
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JOB NO. 25-70R
SHEET NO: S3.2
10 OF 11

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SECTION 1/S3.3
3/4"=1'-0"



SECTION 2/S3.3
3/4"=1'-0"

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REVISIONS	

JOB NO. 25-70R
SHEET NO:
S3.3
11 OF 11
0 1" 2"

FIRE PROTECTION LEGEND

FIRE MAIN (F)	F — F
BALL VALVE	
OS&Y VALVE (WITH TAMPER SWITCH)	TS — COORDINATE WITH ELECTRICAL FIRE ALARM SIGNAL TO BUILDING ALARM PANEL
FLOW SWITCH	FS — COORDINATE WITH ELECTRICAL FIRE ALARM SIGNAL TO BUILDING ALARM PANEL
	PIPE DOWN
	PIPE UP
GPM	GALLONS PER MINUTE
PSI	POUNDS PER SQUARE INCH
$(S)_P$	FULLY RECESSED PENDENT SPRINKLER HEAD (PENDENT HEADS SHALL BE WHITE W/ WHITE ESCUTCHEON UNLESS APPROVED BY ARCHITECT)
$(S)_C$	CONCEALED PENDENT SPRINKLER HEAD (COVER SHALL BE FACTORY PAINTED W/ COLOR APPROVED BY ARCHITECT)
$(S)_U$	UPRIGHT SPRINKLER HEAD
ARCHITECT TO SELECT COLORS ON ALL SPINKLER HEADS	

FIRE PROTECTION GENERAL NOTES

1. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO BID. CONTRACTOR SHALL VERIFY EXACT SIZE, LOCATION, ELEVATION OF EXISTING STRUCTURE, CEILINGS, MECHANICAL, AND ELECTRICAL PRIOR TO INSTALLING ANY NEW PIPE.
2. CONTRACTOR SHALL COORDINATE ALL PIPE ROUTING TO AVOID CONFLICTS WITH ALL STRUCTURAL, ELECTRICAL, AND MECHANICAL FEATURES OF THE BUILDING.
3. ALL HORIZONTAL PIPING IS RUN ABOVE THE CEILING OR IN JOIST SPACE. ALL PIPING SHALL DRAIN DOWN AS REQUIRED BY NFPA 13. PIPING TO BE INSTALLED TO CONCEAL AS MUCH AS POSSIBLE.
4. INSTALL ALL FIRE PROTECTION MATERIALS IN AREAS WITH EXPOSED CEILINGS IN A NEAT FIRST CLASS MANNER. ALL WORKMANSHIP SHALL BE IN ACCORDANCE WITH INDUSTRY BEST PRACTICES. PIPING SHALL BE INSTALLED PARALLEL AND/OR PERPENDICULAR TO BUILDING STRUCTURE UNLESS INDICATED OTHERWISE.
5. CONTRACTOR IS RESPONSIBLE FOR NOTIFYING PROJECT ENGINEERS FOR INSPECTION AND TESTING. PROVIDE A MINIMUM OF A WEEK.
6. CONTRACTOR TO REFER TO ARCHITECTURAL DRAWINGS FOR NEW WORK AREAS, CEILING HEIGHTS, SECTIONS, AND RATED WALLS.
7. CONTRACTOR RESPONSIBLE FOR COORDINATION OF PIPING WEIGHT AND LOCATION PRIOR TO INSTALLATION OF ANY PIPE.
8. PIPING LAYOUT AND SIZING SHOWN ON PLANS IS DIAGRAMMATIC AND SHOWN FOR SPACE REQUIREMENTS. CONTRACTOR IS RESPONSIBLE FOR LAYOUT SHOP DRAWINGS, CALCULATIONS, SUBMITTAL DATA, TESTING, OWNER TRAINING AND CERTIFYING SYSTEM MEETS NFPA 13 AND CONTRACT DOCUMENTS.
9. CONTRACTOR SHALL OBTAIN APPROVAL FROM ARCHITECT PRIOR TO INSTALLING ANY SPRINKLER HEADS DIFFERENT FROM THE SPECIFIED SPRINKLERS HEADS.
10. CONTRACTOR SHALL OBTAIN APPROVAL OF "SPRINKLER HEAD TYPE" FROM ARCHITECT PRIOR TO INSTALLING ANY SPRINKLER HEADS.
11. CONTRACTOR SHALL PAINT ALL EXPOSED PIPING TO MATCH STRUCTURE. COORDINATE EXACT COLOR WITH ARCHITECT.
12. CONTRACTOR SHALL PROVIDE AUXILIARY DRAINS AS REQUIRED FOR TRAPPED PIPING SECTIONS EITHER BY DESIGN OR DUE TO FIELD COORDINATION WITH OTHER TRADES.

FIRE PROTECTION SHOP DRAWINGS AND SUBMITTALS

1. PROVIDE A NFPA 13 COMPLIANT SYSTEM TO PROVIDE COVERAGE TO NEW WORK AREA. CONTRACTOR RESPONSIBLE TO PROVIDE DETAILED SHOP DRAWINGS AND CALCULATIONS COMPLETE.
2. SHOP DRAWINGS SHALL INCLUDE:
   A. A REFLECTED CEILING PLAN INDICATING LOCATION OF SPRINKLER HEADS, LIGHTS, CEILING DEVICES, GRILLES, AUDIO VISUAL, AND ANY DEVICES ATTACHED TO LIFT OUT CEILINGS. ALL SPRINKLER HEADS IN LAY-IN CEILINGS TO BE CENTERED IN TILES. COORDINATE EXACT LOCATION OF SPRINKLER HEADS IN HARD CEILINGS WITH ARCHITECT AND ENGINEER.
   B. PREPARE A WORKING PIPE SHOP DRAWING BASED ON HYDRAULIC CALCULATIONS. THE PIPING DRAWINGS SHALL INDICATE THE ELEVATION OF THE PIPE, THE CONFIGURATION OF THE PIPING AND HANGERS, SIZE OF THE PIPE AND COORDINATION OF PIPING WITH OTHER DISCIPLINES, STRUCTURE AND DUCTWORK.
   C. HYDRAULIC CALCULATIONS ARE TO BE PREPARED USING A FLOW TEST WITHIN 90 DAYS.
   D. THE CONTRACTORS RESPONSIBLE FOR INCORPORATING LOCAL AUTHORITY HAVING JURISDICTION COMMENTS FOR COMPLIANCE.
   E. ALL ADDITIONAL MATERIALS TO BE INDICATED ON SHOP DRAWINGS.
   F. ALL LOW-POINT DRAIN DOWN LOCATION AND PENETRATIONS OF BUILDING STRUCTURE TO BE INDICATED ON SHOP DRAWINGS.
3. CONTRACTOR SHALL BE LICENSED IN THE STATE IN WHICH THE WORK IS PREFORMED. THE CONTRACTOR SHALL BE A NICET LEVEL III OR LEVEL IV OR SPECIAL HAZARD SUPPRESSION SYSTEMS. THE NICET LEVEL III DESIGNER SHALL BE AN EMPLOYEE OF FIRE PROTECTION CONTRACTOR.
4. ALL ELECTRICAL FIRE ALARM REQUIREMENTS TO BE COORDINATED WITH THE ELECTRICAL THE FLOW AND TAMPER SWITCHES TO BE PROVIDED UNDER FIRE PROTECTION CONTRACT. CONDUIT, ALARM WIRING AND PROGRAMMING THE RESPONSIBILITY OF THE FIRE ALARM CONTRACT AND SHALL BE COORDINATED WITH ELECTRICAL. NICET LEVEL III DESIGNER SHALL INSPECT PROJECT.
5. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS WITHIN 45 DAYS PRIOR TO THE START OF THE SPRINKLER SYSTEM INSTALLATION.
6. HYDRAULIC CALCULATIONS AND SPRINKLER SHOP DRAWINGS SHALL BE PREPARED UNDER THE SUPERVISION OF AN ENGINEER LICENSED IN THE STATE AND BEAR HIS OR HER SEAL WITH SIGNATURE AND DATE.
7. MAXIMUM DESIGN VELOCITY SHALL BE 30 FEET PER SECOND.
8. CONTRACTOR SHALL DESIGN SPRINKLER SYSTEM WITH PROVISIONS FOR DRAINING ANY TRAPPED PIPING SECTIONS.
9. CONTRACTOR SHALL PIPE ALL TRAPPED PIPING SECTIONS 5 GALLONS AND GREATER TO THE EXTERIOR. COORDINATE LOCATIONS OF DRAINS WITH OWNER, ENGINEER, AND ARCHITECT.

FIRE PROTECTION HYDRAULIC DEMANDS

1. SPRINKLER PROTECTION
   A. ALL OFFICES, TOILETS, GYMNASIUMS, VESTIBULES, COMMON AREAS, CORRIDORS: LIGHT HAZARD 0.10 GPM OVER HYDRAULICALLY MOST REMOTE 1500 SQ. FT.
   B. MECHANICAL EQUIPMENT ROOMS, TRANSFORMER ROOMS, GENERAL PURPOSE STORAGE LESS THAN 100 SQ. FT.: ORDINARY HAZARD, GROUP 2, 0.20 GPM OVER HYDRAULICALLY MOST REMOTE 2000 SQ. FT.
   C. GENERAL STORAGE, STORAGE HEIGHT LIMIT LESS THAN 12FT, LIMITED COMBUSTIBLES LESS THAN 25 GALLONS: ORDINARY GROUP 1 PER NFPA 13, 0.15 GPM PER 1500 SQ. FT.
2. HYDRAULIC CALCULATION SHALL BE CALCULATED WITH 10% SAFETY FACTOR OF SUPPLY CURVE.
3. FLOW DATA TO BE RESPONSIBILITY OF CONTRACTOR.

FIRE PROTECTION FLOW DATA

HYDRANT NUMBER: UNKNOWN
STATIC PRESSURE: 170 PSI
RESIDUAL PRESSURE: 90 PSI

OUTLET COEFFICIENT: UNKNOWN
OUTLET SIZE: UNKNOWN
HYDRANT FLOW: 729 GPM

AVAILABLE GPM@ 20 PSI: 1366 GPM

DATE OF TEST: - FEBRUARY 5, 2026
LOCATION: - NORTHEAST SIDE OF SCHOOL

CONTRACTOR RESPONSIBLE FOR WATER FLOW TEST

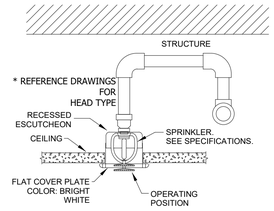
FIRE PROTECTION DESIGN ANALYSIS

REFER TO ARCHITECTURAL PLANS FOR COMPLIANCE NFPA 101
TYPE OF CONSTRUCTION: REFER TO ARCHITECTURAL

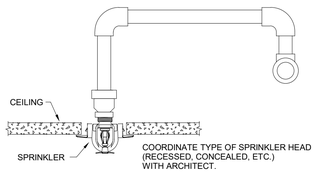
OCCUPANCY: REFERENCE ARCHITECTURAL LIFE SAFETY PLAN

FIRE DESIGN CODES /STANDARDS

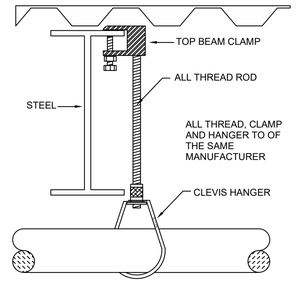
APPLICABLE CODES AND STANDARDS:
INTERNATIONAL BUILDING CODE (IBC)
INTERNATIONAL FIRE CODE (IFC)
INTERNATIONAL PLUMBING CODE (IPC)
NATIONAL ELECTRIC CODE (NEC)
NATIONAL FIRE ALARM CODE NFPA 72
NATIONAL ENERGY CODE
NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 13, 24, 101



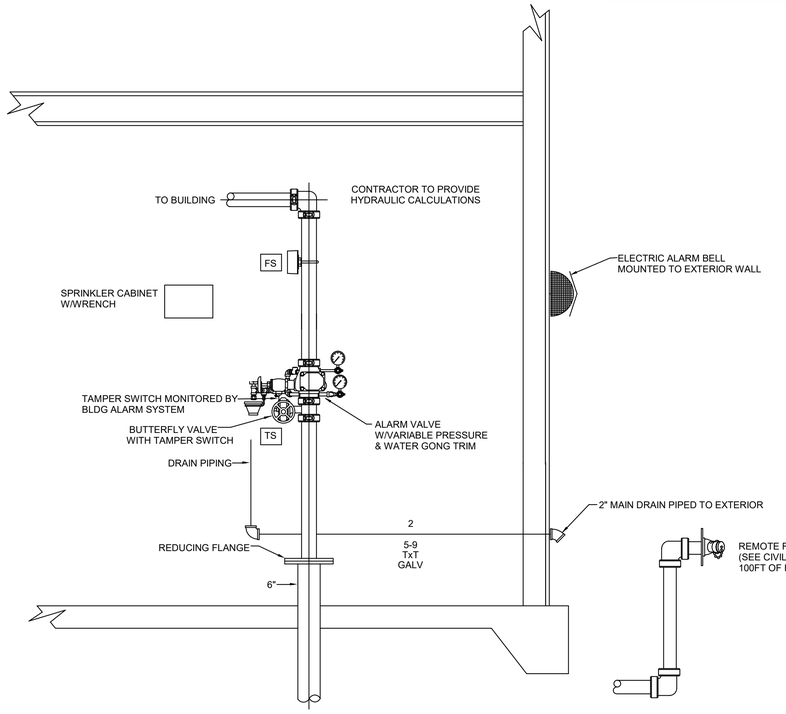
QUICK RESPONSE CONCEALED SPRINKLER
NO SCALE



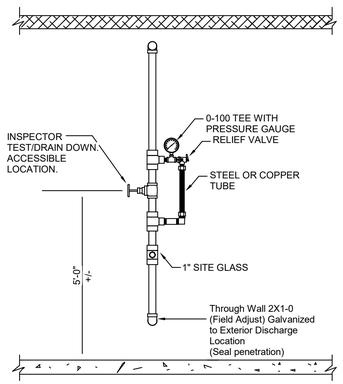
CENTER OF TILE FABRICATION AND INSTALLATION
NO SCALE



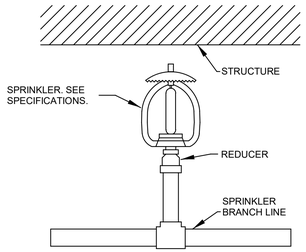
TOP BEAM CLAMP DETAIL
NO SCALE



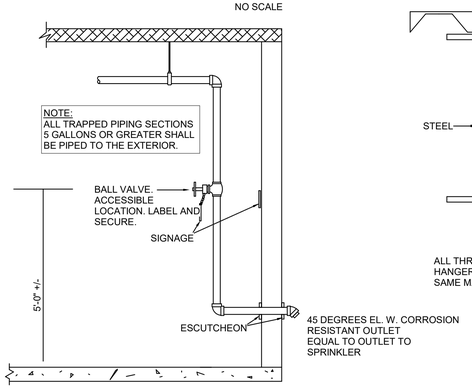
FIRE SERVICE ENTRY - BUILDING
NO SCALE



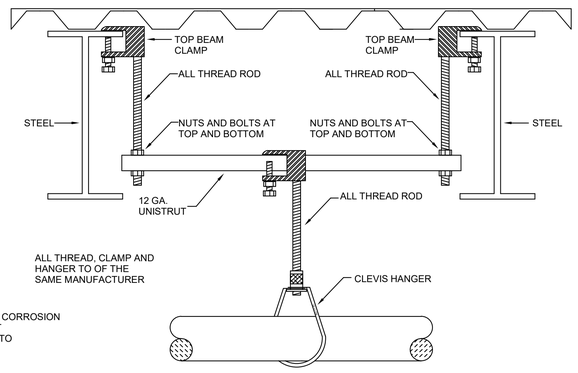
INSPECTOR'S TEST CONNECTION
NO SCALE



QUICK RESPONSE UPRIGHT SPRINKLER
NO SCALE



LOW POINT DRAIN DOWN DETAIL (EXTERIOR)
NO SCALE



TRAPEZE HANGER DETAIL - UNISTRUT
NO SCALE

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www.dewberry.com

Project Number :
50191964

LATHAN McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
FIRE PROTECTION SCHEDULES, DETAILS AND NOTES



PROJ. MGR.:	JWS
DRAWN:	NMP
DATE:	AUGUST 31, 2026
REVISIONS	

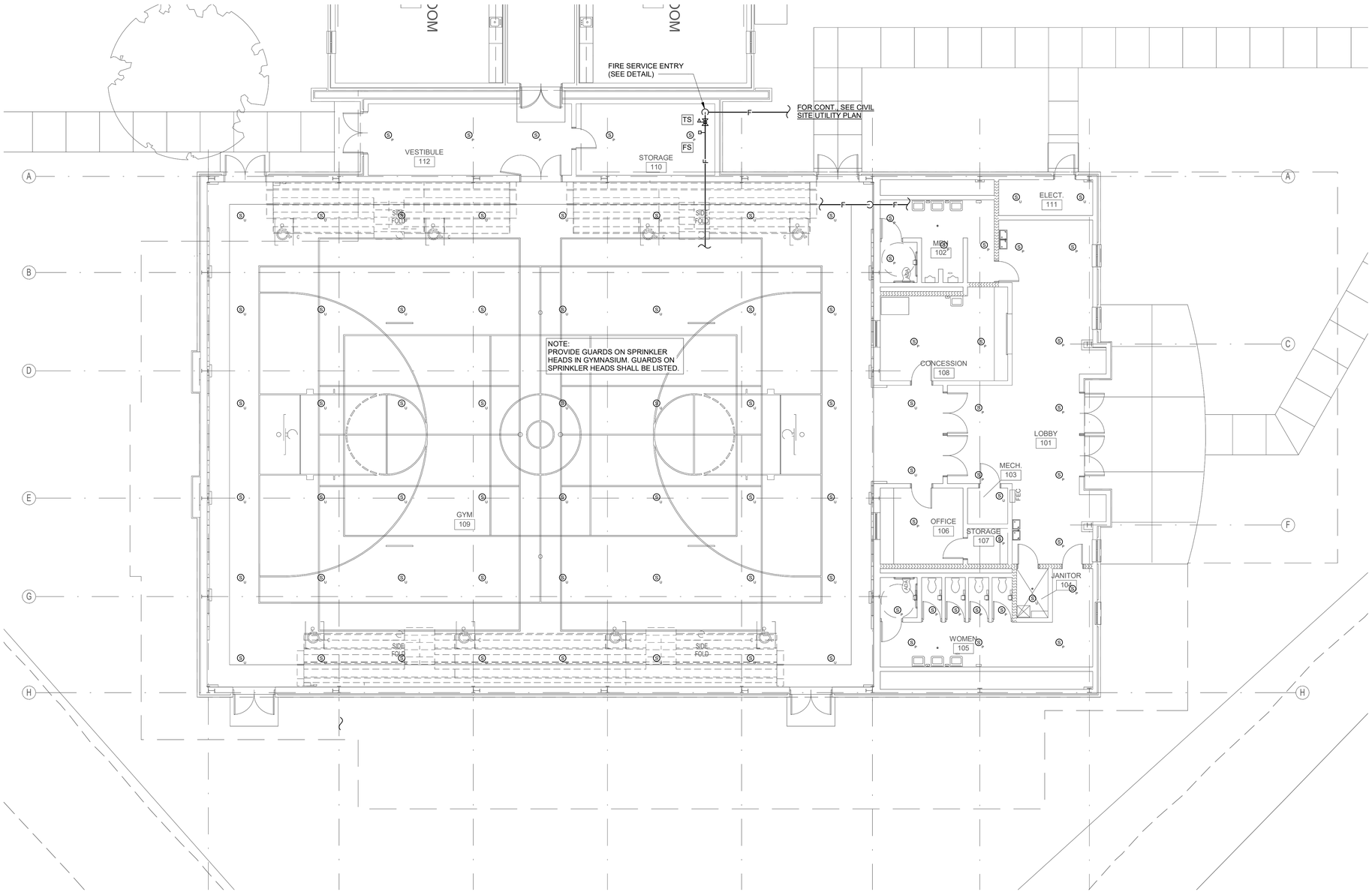
JOB NO. 25-70R

SHEET NO:
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McKEE
ARCHITECTS



1 FIRE PROTECTION - FLOOR PLAN

1/8" = 1'-0"

0' 4' 8' 16' 24'

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
FIRE PROTECTION FLOOR PLAN

ALABAMA
No. 24747
PROFESSIONAL
08-31-2026
ENGINEER
WADE STEWART

PROJ. MGR.:	JWS
DRAWN:	NMP
DATE:	AUGUST 31, 2026
REVISIONS	

JOB NO. 25-70R

SHEET NO:
FP1.1

2 OF 2

0 1" 2"

GENERAL NOTES

1. LOCATIONS OF UTILITIES SHOWN ON PLANS ARE APPROXIMATE. VERIFY WITH LOCAL UTILITY PRIOR TO BIDDING.
2. CONTRACTOR SHALL VERIFY EXACT LOCATION, SIZE, AND ELEVATION OF ALL EXISTING SERVICES PRIOR TO INSTALLING ANY NEW PIPE.
3. ALL OUTSIDE CLEANOUTS SHALL BE BROUGHT UP TO GRADE AND EMBEDDED IN 18"X18"X 6" THICK CONCRETE PAD. (J.R. SMITH 4258 OR EQUAL.)
4. WHEREVER DISSIMILAR METALS ARE CONNECTED ON WATER LINES, A DIELECTRIC UNION SHALL BE USED.
5. ALL HORIZONTAL WATER AND VENT PIPING SHALL BE RUN ABOVE CEILING ON PLAN WHERE SHOWN UNLESS OTHERWISE NOTED.
6. ALL HORIZONTAL SANITARY PIPING IS RUN BELOW FLOOR ON PLAN WHERE SHOWN UNLESS OTHERWISE NOTED.
7. ALL WATER PIPING BELOW SLAB ON GRADE SHALL BE BENT UP AT ENDS SO THAT NO JOINTS OCCUR BELOW FLOOR.
8. ALL WATER PIPING INSTALLED IN EXTERIOR WALLS SHALL BE LOCATED ON THE INTERIOR SIDE OF THE EXTERIOR WALL INSULATION.
9. DOMESTIC WATER PIPING LOCATED ABOVE THE CEILING, SHALL BE INSTALLED BELOW CEILING INSULATION.
10. CONTRACTOR SHALL COORDINATE MECHANICAL FLOOR DRAIN LOCATIONS WITH MECHANICAL EQUIPMENT PRIOR TO INSTALLATION.
11. CONTRACTOR SHALL COORDINATE ALL SINKS WITH CASEWORK PRIOR TO ORDERING SINKS.
12. PROVIDE DISINFECTION OF WATER PIPING SYSTEM WITH CHLORINE SOLUTION AS PER CODE.
13. INSTALLATION OF BACKFLOW PREVENTER SHALL COMPLY WITH CURRENT INTERNATIONAL BUILDING CODE AND CURRENT INTERNATIONAL PLUMBING CODE.
14. ALL OVERHEAD WATER PIPING TO BE RUN BELOW INSULATION AT BOTTOM OF TRUSSES FOR FREEZE PROTECTION.
15. INSULATION ON ALL PIPING SHALL MEET SMOKE/ FLAME RATING OF 25 & 50.
16. WATER HAMMER ARRESTORS ARE REQUIRED TO PROTECT WATER PIPING SYSTEMS WHERE QUICK-CLOSING VALVES ARE UTILIZED. WATER HAMMER ARRESTORS SHALL CONFORM TO ASSE 1010.
17. THESE DRAWINGS NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS. IT IS INTENDED THAT A COMPLETE PLUMBING SYSTEM BE PROVIDED WITH ALL NECESSARY EQUIPMENT, APPURTENANCES AND CONTROLS, COMPLETELY COORDINATED WITH ALL DISCIPLINES. ALL PARAMETERS GIVEN IN THESE DOCUMENTS SHALL BE STRICTLY CONFORMED WITH ANY ITEMS AND LABOR REQUIRED FOR A COMPLETE PLUMBING SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS AND THESE CONTRACT DOCUMENTS SHALL BE FURNISHED WITHOUT INCURRING ANY ADDITIONAL COST TO THE PROJECT, CAREFULLY REVIEW ALL CONTRACT DOCUMENTS AND THE DESIGN OF OTHER TRADES BEFORE PREPARING SHOP DRAWINGS.
18. COORDINATE PLUMBING PIPING WITH STRUCTURAL, PLUMBING, HVAC, AND ELECTRICAL. MAKE OFFSETS AND TRANSITIONS TO COORDINATE WITH OTHER TRADES WITHOUT ANY ADDITIONAL COST TO THE PROJECT.
19. COORDINATE ALL PLUMBING IN SLAB WITH BUILDING FOOTINGS.
20. NO PIPING TO BE RUN ABOVE ELECTRICAL PANELS. MAINTAIN ALL REQUIRED CLEARANCES.
21. CONTRACTOR SHALL VISIT JOB SITE AND VERIFY EXISTING CONDITIONS BEFORE SUBMITTING A PRICE, ORDERING MATERIALS OR PERFORMING ANY WORK. NOTIFY THE ARCHITECT OF ANY DEVIATION FROM PLUMBING PLAN.
22. SUPPORT PIPE AS REQUIRED BY THE CURRENT INTERNATIONAL PLUMBING CODE.
23. FIRESTOP ALL RATED WALL AND FLOOR PENETRATIONS. SEE ARCHITECTURAL DRAWINGS FOR RATED WALL AND FLOOR LOCATIONS.
24. DO NOT BEGIN WORK UNTIL ELEVATION OF FINAL CONNECTION POINT IS VERIFIED AND GRADING OF ENTIRE SYSTEM CAN BE DETERMINED (EVEN IF FINAL CONNECTION IS SPECIFIED UNDER ANOTHER SECTION).
25. VENTS THRU ROOF MUST BE LOCATED A MINIMUM OF 10'-0" AWAY FROM ANY OUTSIDE AIR INTAKE

PLUMBING LEGEND

	DOMESTIC COLD WATER	WH	WALL HYDRANT
	DOMESTIC HOT WATER SUPPLY	DN	DOWN
	DOMESTIC HOT WATER RETURN	WH - #	WATER HEATER
	SOIL, WASTE, OR SANITARY SEWER	GPH	GALLONS PER HOUR
	VENT	GPM	GALLONS PER MINUTE
	PIPE TURNING DOWN	HW	HOT WATER
	PIPE TURNING UP	HWR	HOT WATER RETURN
	TEE DOWN	TYP	TYPICAL
	TEE UP	VS	VENT STACK
	UNION	VSTR	VENT THROUGH ROOF
	BALL VALVE	MFD	MECHANICAL FLOOR DRAIN
CO	CLEANOUT	EX	EXISTING
FD	FLOOR DRAIN	#	RISER NUMBER
P-#	PLUMBING FIXTURE	BFF	BELOW FINISHED FLOOR
	SHOCK ARRESTOR		

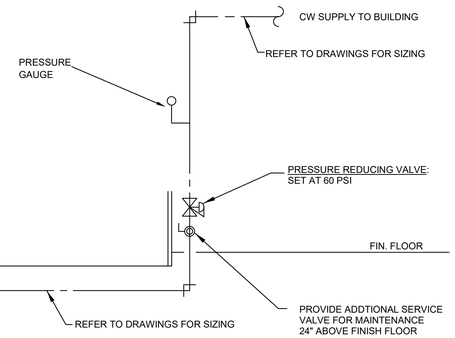
PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	WASTE	CW	HW	REMARKS
FD	FLOOR DRAIN	3"	-	-	J.R. SMITH #2010 WITH 6" ROUND NICKEL BRONZE GRATE. PROVIDE WITH J.R. SMITH TRAP INSERT.
FS	FLOOR SINK	3"	-	-	J.R. SMITH #3100, 8" SQUARE, PORCELAIN ENAMELED CAST IRON INTERIOR WITH 3/4 CAST IRON PROCELAIN ENAMELED GRATE AND DOME BOTTOM STRAINERS. PROVIDE WITH J.R. SMITH TRAP INSERT.
P-1	WATER CLOSET - ADA COMPLIANT	4"	1"	-	FLOOR MOUNTED - KOHLER K-96057-SS-0 COMPLETE SLOAN #111 FLUSH VALVE WITH YJ BRACKET AND CHURCH "DURA GUARD" MODEL # 2155 SSC SEAT.
P-2	WATER CLOSET	4"	1"	-	FLOOR MOUNTED - KOHLER K-96053-SS-0 COMPLETE SLOAN #111 FLUSH VALVE WITH YJ BRACKET AND CHURCH "DURA GUARD" MODEL #2155 SSC SEAT.
P-3	URINAL - ADA COMPLIANT	3"	1"	-	WALL MOUNTED-KOHLER K-5016-ET COMPLETE, K-9183 STAINLESS STEEL STRAINER, J.R. SMITH #623 FIXTURE SUPPORT, AND SLOAN #186 FLUSH VALVE WITH YJ BRACKET. SET LIP 17" AFF.
P-4	URINAL	3"	1"	-	WALL MOUNTED-KOHLER K-5016-ET COMPLETE, K-9183 STAINLESS STEEL STRAINER, J.R. SMITH #623 FIXTURE SUPPORT, AND SLOAN #186 FLUSH VALVE WITH YJ BRACKET.
P-5	LAVATORY - ADA COMPLIANT	1 1/4"	1/2"	1/2"	WALL HUNG - KOHLER K-2032 (20" X 18") COMPLETE, SYMMONS S-20-0 FAUCET, K7715 OUTLET WITH TAILPIECE, J.R. SMITH #700-M31-Z FIXTURE SUPPORT, MCGUIRE #165 SUPPLIES WITH STOPS AND MCGUIRE #8872 P-TRAP. INSULATE P-TRAP, STOPS AND SUPPLIES WITH "PRO-WRAP" BY MCGUIRE. MOUNT WITH RIM MAXIMUM 34" AFF. PROVIDE LAWLER 570 THERMOSTATIC MIXING VALVE MOUNTED BELOW LAVATORY. RUN 100° F WATER TO FAUCET. MUST MEET A.D.A. GUIDELINES.
P-6	WATER COOLER - ADA COMPLIANT	1 1/2"	1/2"	-	ELKAY #VRCTLSCFR8SC BI-LEVEL WATER COOLER WITH BOTTLE FILLER STATION. STAINLESS STEEL CABINET AND WATERWAYS THAT ARE MANUFACTURED OF 100% LEAD FREE MATERIAL. JR SMITH #834 FIXTURE SUPPORT. SAFETY-GUARD BUBBLER. MCGUIRE FULLY INSULATE P-TRAP. MOUNT WITH LOWER SPOUT OUTLET AT 36" AFF. MUST MEET A.D.A. PROVIDE WITH COLOR CHART FOR ARCHITECT COLOR SELECTION. PROVIDE CANE APRON AS REQUIRED. EBC TA150 P-TRAP AND EBC LA10 STOP WITH SUPPLY. FULLY INSULATE P-TRAP WITH EBC IK INSULATOR.
P-7	MOP SINK	3"	1/2"	1/2"	STERN WILLIAMS #SBC-1700 (24" X 24") COMPLETE, T-35 HOSE WITH WALL HOOK, STAINLESS STEEL BACKSPLASH AND CHICAGO FAUCET #897 FAUCET.
P-8	WALL HYDRANT	-	3/4"	-	J.R. SMITH #5509-QT, WITH INTEGRAL BACKFLOW PREVENTER, LATCHING COVER, FREEZE-PROOF AND OF PROPER LENGTH FOR WALL IN WHICH INSTALLED, ALL BRONZE BOX. VALVE SEAT MUST BE ON BUILDING SIDE OF EXTERIOR WALL INSULATION. INSTALL WITH CENTER LINE 24" ABOVE FINISH GRADE. PROVIDE OWNER WITH ONE (1) LOOSE KEY FOR EACH WALL HYDRANT.
P-9	ICE MACHINE	-	1/2"	-	FURNISHED AND INSTALLED UNDER ANOTHER SECTION, ROUGH AND CONNECT COMPLETE, PROVIDE BALL VALVE STOP ON SUPPLY AND PIPE WASTE(S) TO FLOOR DRAIN. PROVIDE WATTS LF9D ON COLD WATER SUPPLY IF REQUIRED BY LOCAL CODES. PIPE RELIEF FULL SIZE TO FS.

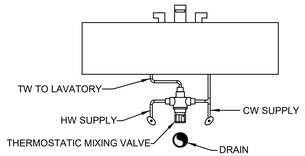
NOTE: TEMPERING VALVES ON LAVATORIES OF ALL PUBLIC LAVATORIES CONFORM TO ASSE 1070/CSA B125.3.2021 IPC 419.5 TEMPERED WATER FOR PUBLIC HAND-WASHING FACILITIES. TEMPERED WATER SHALL BE DELIVERED THROUGH AN APPROVED WATER-TEMPERATURE LIMITING DEVICE THAT CONFORMS TO ASSE 1070/CSA B125.3.

WATER HEATER SCHEDULE

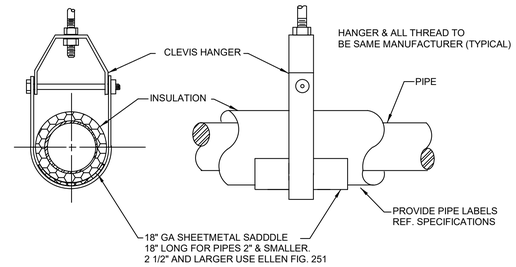
MARK	FIXTURE	ELEC INFO.	REMARKS
CP-1	CIRCULATION PUMP	1/12 HP, 115/1/60	ARMSTRONG COMPASS. PROVIDE WITH TIMER AND AQUASTAT EQUAL TO HONEYWELL L6006A.
ET-1	EXPANSION TANK	-	AMTROL THERM - X-TROL #ST-5 EXPANSION TANK, PRE-CHARGED, WELDED STEEL CONSTRUCTION. ISOLATION BETWEEN WATER AND AIR SHALL BE BY A BUTYL DIAPHRAM.
WH-1	ELECTRIC WATER HEATER	208V, 1 PHASE, 4.5 KW	LOCHINVAR LDJ-20JK. 20 GALLON STORAGE, 19 GALLON RECOVERY AT 100°F RISE. NEW P&T RELIEF VALVE. SET OUTLET TEMPERATURE AT 125°F. INSTALL AS DETAILED ON DRAWINGS. VERIFY VOLTAGE WITH ELECTRICAL SECTION.



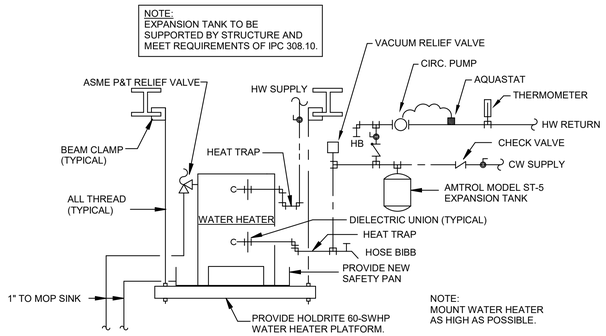
DETAIL OF WATER ENTRY
NO SCALE



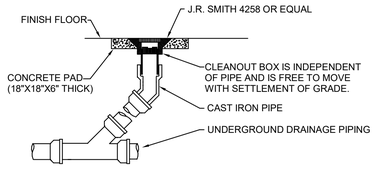
DETAIL OF TMV BELOW LAVATORY
NO SCALE



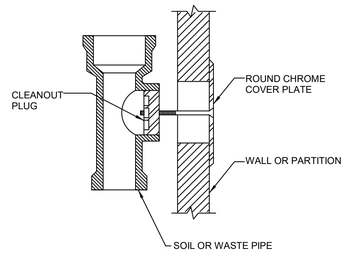
SUSPENDED PIPE SUPPORT
NO SCALE



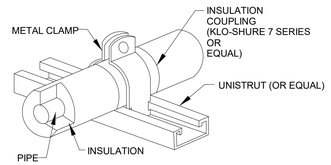
DETAIL OF PIPING AT WATER HEATER
NO SCALE



DETAIL OF CLEANOUT TO GRADE
NO SCALE



WALL CLEANOUT
NO SCALE



NOTES:
1. APPLICATION: FOR STRUT MOUNTED, 4 INCH AND SMALLER, COFFEE PIPE WITH FOAMED PLASTIC (ARMAFLEX) OR FIBERGLASS INSULATION.
2. ALLOWED FOR HORIZONTAL OR VERTICAL INSTALLATION.
3. FOR COLD PIPE APPLICATION, APPLY ADHESIVE TO END OF FOAMED PLASTIC INSULATION PRIOR TO INSERTING INTO COUPLING.

STRUT-MOUNTED PIPING SUPPORT INSULATION COUPLING DETAIL
NO SCALE

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Project Number : 50191964

LATHAN McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
PLUMBING SCHEDULES, DETAILS AND NOTES



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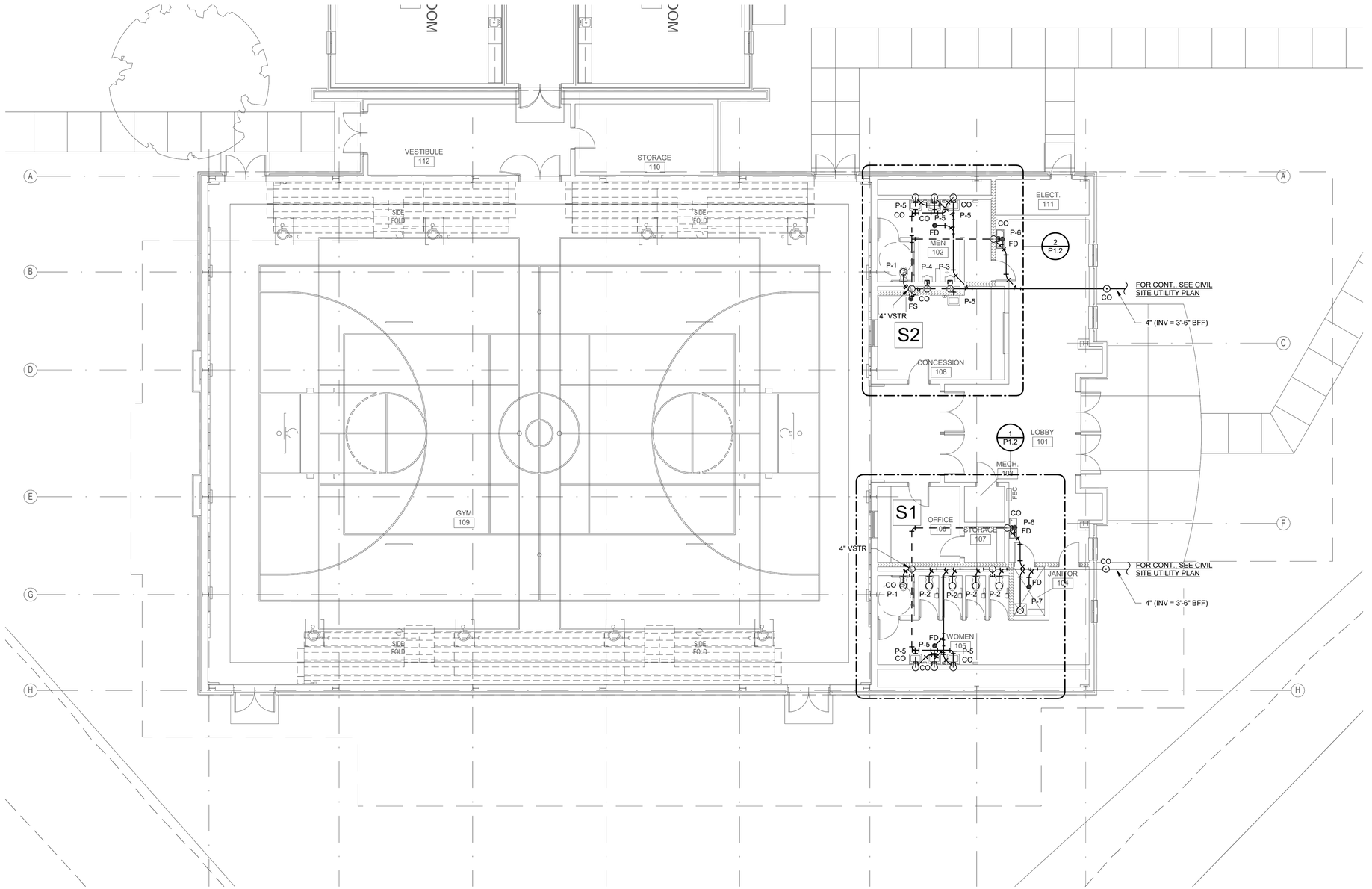
JOB NO. 25-70R

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1 OF 5

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ARCHITECTS



1 NON-PRESSURE PIPING - FLOOR PLAN

1/8" = 1'-0"

0' 4' 8' 16' 24'

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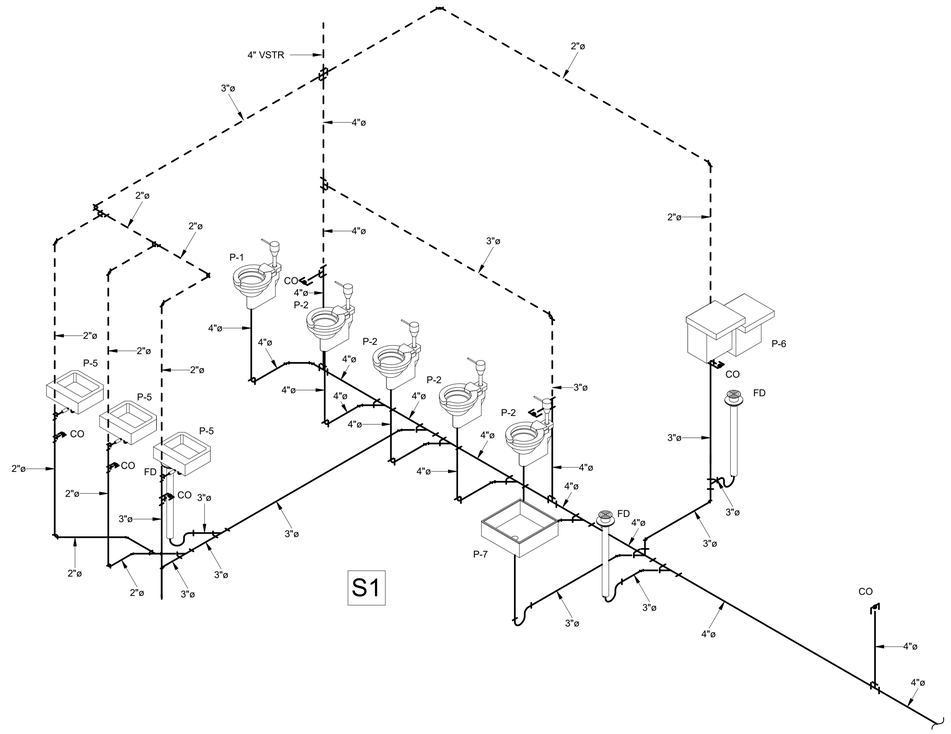
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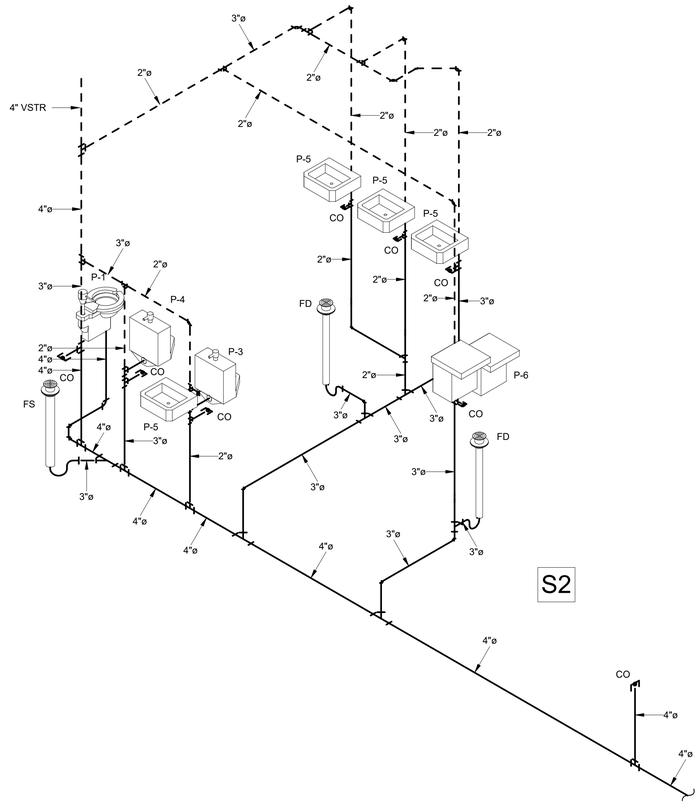
Project Number :
50191964

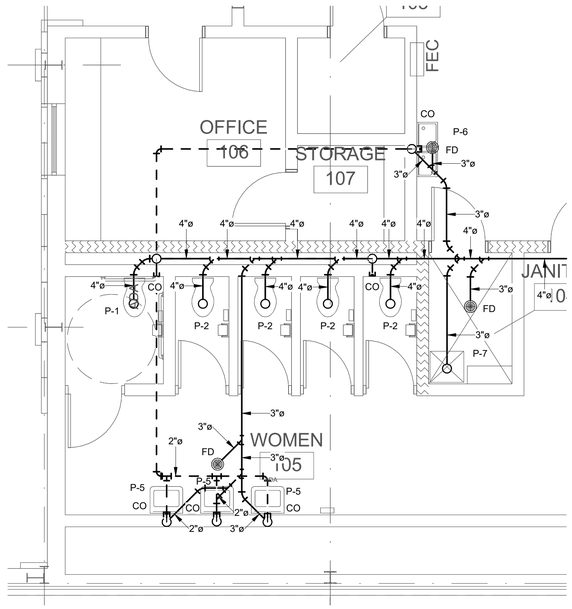
LATHAN
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ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

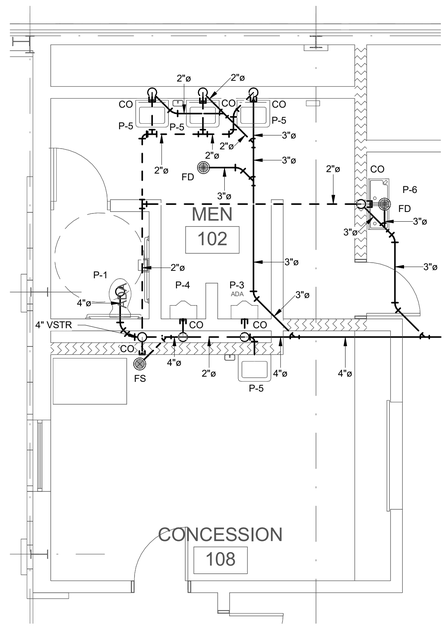
SHEET TITLE:
NON-PRESSURE PIPING - ENLARGED FLOOR PLANS







1 ENLARGED NON-PRESSURE - FLOOR PLAN - S1
1/4" = 1'-0"



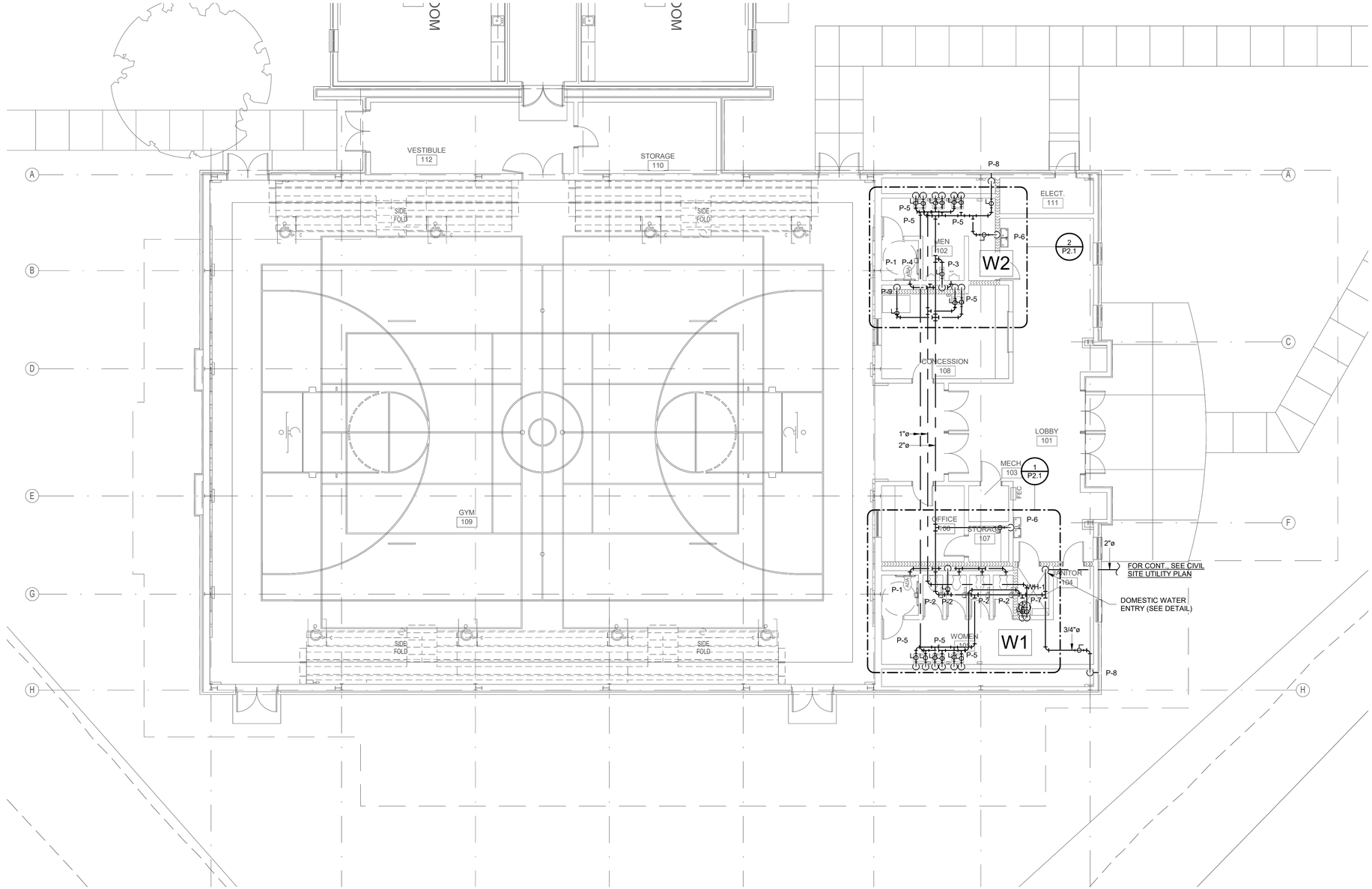
2 ENLARGED NON-PRESSURE - FLOOR PLAN - S2
1/4" = 1'-0"

No. 24747
PROFESSIONAL
08-31-2026
ENGINEER
WADE STEWART

PROJ. MGR.:	JWS
DRAWN:	NMP
DATE:	AUGUST 31, 2026
REVISIONS	

JOB NO. 25-70R

SHEET NO:
P1.2



1 PRESSURE PIPING - FLOOR PLAN

1/8" = 1'-0"

0' 4' 8' 16' 24'

Dewberry
2 Riverchase Office Plaza
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Hoover, AL 35244
(205) 988-2069
www.dewberry.com

Project Number :
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LATHAN McKEE ARCHITECTS

NEW GYMNASIUM FOR
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142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
PRESSURE PIPING - FLOOR PLAN

WADE STEWART
No. 24747
PROFESSIONAL
08-31-2026
ENGINEER

PROJ. MGR.:	JWS
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SHEET NO:
P2.0

4 OF 5

NOTE :

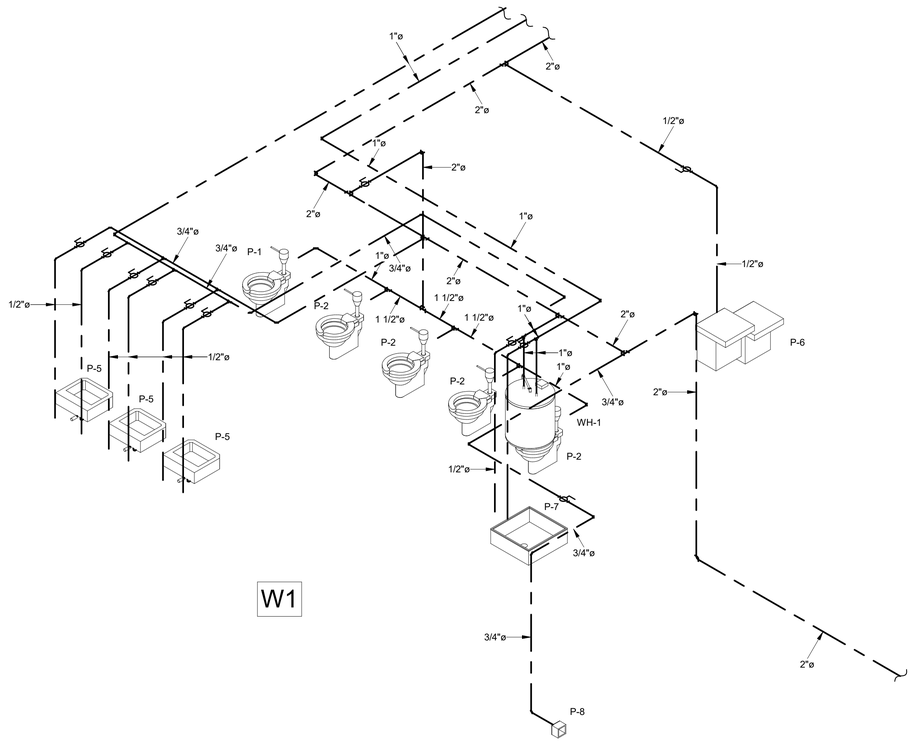
1

SHOCKTROL TO BE ZURN SERIES Z-1700 OR EQUAL. SIZE AS INDICATED ON WATER RISER DIAGRAM. PROVIDE ACCESS TO ALL SHOCKTROLS THRU ACCESS PANELS OR LAY-IN CEILINGS.

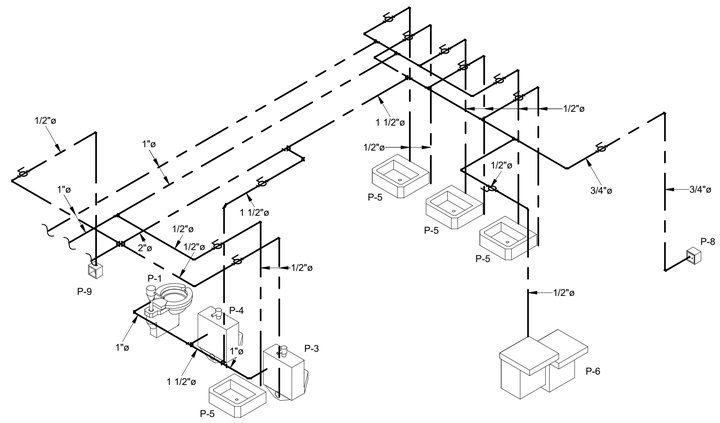
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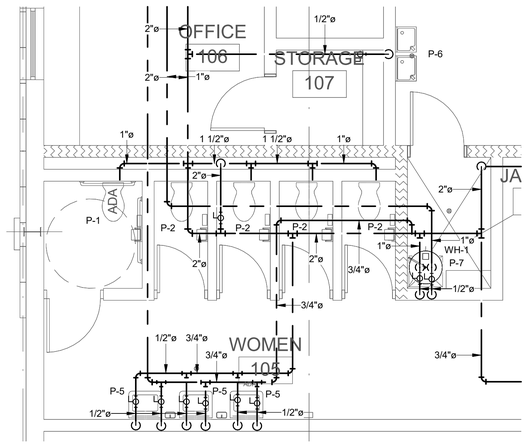
LATHAN McKEE ARCHITECTS



W1



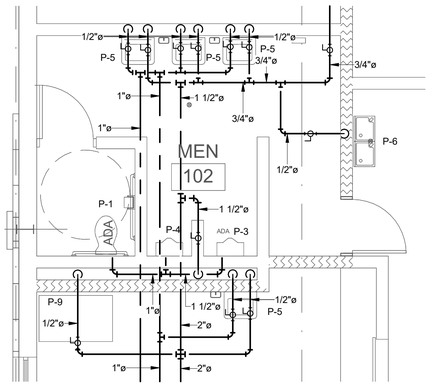
W2



1 ENLARGED PRESSURE - FLOOR PLAN - W1

1/4" = 1'-0"

0' 4' 8' 16' 24'



2 ENLARGED PRESSURE - FLOOR PLAN - W2

1/4" = 1'-0"

0' 4' 8' 16' 24'

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
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SHEET TITLE:
PRESSURE PIPING - ENLARGED FLOOR PLANS

STATE OF ALABAMA
No. 24747
PROFESSIONAL
08-31-2026
ENGINEER
WADE STEWART

PROJ. MGR.:	JWS
DRAWN:	NMP
DATE:	AUGUST 31, 2026
REVISIONS	

JOB NO. 25-70R

SHEET NO:
P2.1

5 OF 5

DUCTWORK LEGEND

(CFM) S	SUPPLY DIFFUSER
(CFM) R	RETURN GRILLE
(CFM) E	EXHAUST GRILLE
(CFM) T	TRANSFER AIR GRILLE
(CFM) SR	SIDEWALL REGISTER
ø	ROUND DUCT SYMBOL
W X H	RECTANGULAR DUCT (WIDTH X HEIGHT)
	EXISTING DUCTWORK, PIPING, OR EQUIPMENT TO REMAIN.
	EXISTING DUCTWORK, PIPING, OR EQUIPMENT TO BE REMOVED.
	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
	FLAT OVAL TURNING UP.
	FLAT OVAL TURNING DOWN.
	ROUND DUCT TURNING DOWN
	ROUND DUCT TURNING UP
	MAXIMUM 5' FLEXIBLE DUCT ALL BRANCH DUCTS
	RECTANGULAR 90° ELBOW WITH TURNING VANES FOR SUPPLY.
	RISE OR DROP IN DUCT
	RECTANGULAR BRANCH OFF OF RECTANGULAR DUCT WITH MANUAL DAMPER
	CONICAL SPIN-IN WITH MANUAL DAMPER
MD	MANUAL DAMPER
FD	FIRE DAMPER (PROVIDE ACCESS DOOR)
AD	AUTOMATIC DAMPER
SFD	COMBINATION SMOKE/FIRE DAMPER (PROVIDE ACCESS DOOR)
Ⓣ	TEMPERATURE SENSOR
Ⓗ	HUMIDITY SENSOR
Ⓒ	CO2 MONITOR
	CONNECT TO EXISTING, FIELD VERIFY EXACT SIZE AND LOCATION.

HVAC ABBREVIATIONS

A	Amps
AAV	Automatic Air Vent
ACF	Air Curtain Fan
AC	Air Conditioning
ACCU	Air Cooled Condensing Unit
AD	Automatic Damper
ADJ	Adjustable
AF	Airflow
AFF	Above Finished Floor
AFM	Air Flow Monitor
AHU	Air Handling Unit
AI	Analog Input
AMB	Ambient
AO	Analog Output
AP	Air Purifier
ARCH	Architectural
AS	Air Separator
ASHRAE	American Society of Heating, Refrigerating, and Air-Conditioning Engineers
ATV, AV	Atmospheric Vent
B	Boiler
BAS	Building Automation System
BBD	Boiler Blowdown
BD	Backdraft Damper
BHP	Brake Horsepower
BI	Binary Input
BMS	Building Management System
BO	Binary Output
BOD	Bottom of Duct
BT	Buffer Tank
BTU	British Thermal Unit
BTUH	British Thermal Unit per Hour
C / CD / CO2	Carbon Dioxide
C	Convertor
CA	Compressed Air
CCC	Closed Circuit Cooler
CCU / CU	Condensing Unit
CD	Condensate Drain
CF	Chemical Feeder
CFM	Cubic Feet per Minute
CH	Chiller
CHC	Chilled Water Coil
CHWP / CHP	Chilled Water Pump
CHWR / CHR	Chilled Water Return Piping
CHWS / CHS	Chilled Water Supply Piping
CO	Carbon Monoxide
CONT	Controls , or , Continue
CP	Condensate Pump
CRU / CRAC	Computer Room Unit
CR	Condensate Return
CRU	Condensate Return Unit (Steam System)
CT	Cooling Tower
CT	Current Transducer
CU	Condensing Unit
CUH	Cabinet Unit Heater
CV	Constant Volume
Cv	Valve Coefficient
CVR	Constant Volume - Reheat
CDWP / CWP	Condenser Water Pump
CWR	Condenser Water Return Piping
CWS	Condenser Water Supply Piping
D	Drain Piping
DB	Dry Bulb
DBL	Double
DBF	Dryer Booster Fan
DEG	Degree
DG	Door Grille
DI	Digital Input
DIA	Diameter
DL	Drum Louver
DMSS	Ductless Mini-split System
DN	Down
DO	Digital Output
DOAS	Dedicated Outdoor Air System (No Wheel)
DP	Differential Pressure Sensor
DRE	Dryer Exhaust
DSD	Duct Smoke Detector
DTR	Dual Temperature Water Return
DTS	Dual Temperature Water Supply
DWG	Drawing
DWH	Dishwasher Hood
DWH	Domestic Water Heater
E	Exhaust Grille
EA	Exhaust Air
EAT	Entering Air Temp
EBH	Electric Baseboard Heater
ECH	Electric Cabinet Heater
ECH	Electric Ceiling Heater
ECM	Electronically Commutated Motor
EDH	Electric Duct Heater
EF	Exhaust Fan
EHC	Electric Heating Coil
ELEC	Electrical
EMCS	Energy Management Control System
EMG	Expanded metal grille
ENT	Entering
ERU	Energy Recovery Unit (with cooling or heating)
ERV	Energy Recovery Ventilator (no cooling or heating)
ESP	External Static Pressure
ET	Expansion Tank
ETC	Etcetera
EUH	Electric Unit Heater
EWH	Electric Wall Heater
EWT	Entering Water Temperature
EX / (X) / E	Existing
F	Degrees Fahrenheit
FCU	Fan Coil Unit
FD	Fire Damper
FOR	Fuel Oil Return
FOS	Fuel Oil Supply
FPI	Fins Per Inch
FPM	Feet Per Minute
FS	Flow Switch
FT	Foot / Feet
FV	Face Velocity
FZ	Freezestat
GA	Gauge
GAL	Gallons
GALV	Galvanized
GC	General Contractor
GCHR	Chilled Water Return Piping with Glycol
GCHS	Chilled Water Supply Piping with Glycol
GDH	Gas Duct Heater
GEO	Geothermal
GHWR	Hot Water Return Piping with Glycol
GHWS	Hot Water Supply Piping with Glycol
GPH	Gallons Per Hour
GPM	Gallons Per Minute
GSHP	Ground Source Heat Pump
GUH	Gas Fired Unit Heater
H	Humidity Sensor , Humidifier, or Height
H2O	Water
HD	Head
HOA	Hand-Off-Auto
HP	Horsepower, Heat Pump
HPC	High Pressure Condensate
HPR	High Pressure Steam Return
HPS	High Pressure Steam Supply
HRR	Heat Recovery Return
HRS	Heat Recovery Supply
HVAC	Heating, Ventilation, and Air-Conditioning
HWC	Hot Water Coil
HWP	Hot Water Pump
HWR	Hot Water Return
HWS	Hot Water Supply
HWT	Heating Water Temperature
HX	Heat Exchanger - plate and frame or shell and tube
ID	Inside Diameter
IN	Inches
IPLV	Integrated Part Load Value
IRH	Infra-Red Radiant Heater
KEF	Kitchen Exhaust Fan
KGH	Kitchen Grease Hood
KRH	Kitchen Range Hood
KW	Kilowatt
L	Louver
LAT	Leaving Air Temperature
LBS	Pounds
LF	Linear Feet
LIN	Linear
LPC	Low Pressure Condensate
LPR	Low Pressure Steam Return
LPS	Low Pressure Steam Supply
LRA	Locked Rotor Amps
LSD	Linear Slot Diffuser
LVG	Leaving
LWT	Leaving Water Temperature
M	Fan / Pump Motor, or Motorized Damper, or Meter
MA	Mixed Air
MAT	Mixed Air Temperature
MAU / MUA	Make-up Air Unit
MAX	Maximum
MBH	1,000 British Thermal Units per Hour
MCA	Minimum Circuit Amps
MD	Manual Damper
MERV	Minimum Efficiency Reporting Value
MFD / FD	Mechanical Floor Drain
MFG	Manufacturer
MIN	Minimum
MOCP	Maximum Overcurrent Protection
MPC	Medium Pressure Condensate
MPS	Medium Pressure Steam
MU	Make-up Water
NC	Normally Closed or Noise Criteria
NG	Natural Gas
NO	Normally Open or Number
NPLV	Non-Standard Part Load Value
NPSH	Net Positive Suction Head
NTS	Not To Scale
OSA / OA	Outside Air
OAT	Outdoor Air Temperature
OD	Outside Diameter
OS	Occupancy Sensor
P	Pressure or Pressure Sensor
PD	Pressure Drop
PH	Phase
PHC	Preheat Coil
PIU	Fan Powered Terminal Unit
PPM	Parts Per Million
PR / PCR	Pumped Condensate Return (Steam System)
PRS	Steam Pressure Reducing Station
PSI	Pounds per Square Inch
PSIA	PSI Atmospheric
PSIG	PSI Gauge
PRV	Pressure Reducing Valve
PTAC	Packaged Terminal Air Conditioner
PTHP	Packaged Terminal Heat Pump
QTY	Quantity
R	Return Grille
R	Radius, Rise, or Remove
RA	Return Air
RAT	Return Air Temperature
RCP	Reflected Ceiling Plan
RD	Refrigerant Discharge
RF	Return Fan, Relief Fan
RF	Refrigerant
RH	Relative Humidity, Reheat
RHC	Reheat Coil
RL	Refrigerant Liquid Line
RLA	Rated Load Amps
RPM	Revolutions Per Minute
RS	Refrigerant Suction Line
RTU	Roof Top Unit
S	Supply Diffuser
S	Air / Dirt Separator
SA	Supply Air
SA / DSA	Duct Mounted Sound Attenuator
SAT	Supply Air Temperature
SCH	Schedule
SD	Smoke Damper
SEC	Seconds
SEF	Smoke Exhaust Fan
SF	Supply Fan, Square Foot
SFD / FSD	Combination Smoke & Fire Damper
SP	Static Pressure
SR	Supply Register
SS	Split System, Stainless Steel
T&P	Temperature and Pressure
T	Thermostat or Temperature Sensor
T	Transfer Grille
T, TEMP	Temperature
T-STAT	Thermostat
TON	Cooling Tons (12,000 BTUH)
TD	Transfer Duct
TOD	Top of Duct
TS	Temperature Sensor
TSP	Total Static Pressure
TYP	Typical
UH	Unit Heater
UNO	Unless Noted Otherwise
UV	Unit Ventilator
V, VOLT	Voltage
V	Volume
VEL	Velocity
VF	Ventilation Fan
VFD	Variable Frequency Drive
VAV	Variable Air Volume
VVR	Variable Volume - Reheat
W	Width or Watts
W/	With
WB	Wet Bulb
WC	Water Column
WG	Water Gauge
WEG	Wall Exhaust Grille
WH	Wall Hydrant
WER	Wall Exhaust Register
WPD	Water Pressure Drop
WRG	Wall Return Grille
WRR	Wall Return Register
WSHP	Water Source Heat Pump
X	Uncorrected Fraction of Outdoor Air (System)
Y	Corrected Fraction of Outdoor Air (System)
Z	Fraction of Outdoor Air (Critical Space)

HVAC CONTROLS LEGEND

T	TEMPERATURE SENSOR
H	HUMIDITY SENSOR
C	CO2 MONITOR
CP	120V HVAC CONTROLS POWER
TS	AVERAGING TEMPERATURE SENSOR
H	DUCT MOUNTED HUMIDITY SENSOR
AO	ANALOG OUTPUT
AI	ANALOG INPUT
DO	DIGITAL OUTPUT
DI	DIGITAL INPUT
DSD	DUCT MOUNTED SMOKE DETECTOR. SMOKE DETECTOR FURNISHED AND WIRED BY ELECTRICAL CONTRACTOR, INSTALLED IN DUCT BY MECHANICAL CONTRACTOR.
HOA	HAND-OFF-AUTO MAGNETIC STARTER
SP	DUCT STATIC PRESSURE SENSOR
DP	DIFFERENTIAL PRESSURE SENSOR
	INTERLOCK WITH FIRE ALARM SYSTEM
M	FAN/PUMP MOTOR
VFD	VARIABLE FREQUENCY DRIVE
CT	CURRENT TRANSDUCER
FS	FLOW SWITCH
	DIRECTION OF FLOW
TS	PIPE MOUNTED TEMPERATURE SENSOR
	2-WAY AUTOMATIC VALVE
	3-WAY AUTOMATIC VALVE
H-O-A	HAND-OFF-AUTO SWITCH
AFM	AIR FLOW MONITOR. (PROVIDE ACCESS DOOR AT EACH AIR FLOW MONITOR.)

PIPING LEGEND

CHS	CHILLED WATER SUPPLY PIPING
CHR	CHILLED WATER RETURN PIPING
HWS	HOT WATER SUPPLY PIPING
HWR	HOT WATER RETURN PIPING
D	DRAIN PIPING
AAV OR	AAV-AUTO. AIR VENT (MARKED OR SHOWN)
	GATE VALVE
	GLOBE VALVE
	BALL VALVE
	TWO-WAY AUTO CONTROL VALVE.
	THREE-WAY AUTO CONTROL VALVE.
	BUTTERFLY VALVE.
	BUTTERFLY VALVE.
	PRESSURE REDUCING VALVE.
	PIPE TURNING UP.
	PIPE TURNING DOWN.
	BRANCH OFF TOP OF MAIN.
	BRANCH OFF BOTTOM OF MAIN.
	BRANCH OFF SIDE OF MAIN.
	CALIBRATED BALANCING VALVE
	ECCENTRIC REDUCER
	STRAINER (Y)
	FLEXIBLE CONNECTION IN PIPING
	UNION
	PETES PLUG
	SLOPE DOWN IN DIRECTION OF ARROW.
	CHECK VALVE
	ASME PRESSURE RELIEF VALVE.

AIR DEVICE LEGEND

MARK	EXAMPLE	DESCRIPTION	SIZE	BASIS OF DESIGN
"S"	200S / CFM	PLAQUE FACE CEILING DIFFUSER WITH ROUND NECK. ALL CEILING DIFFUSERS TO HAVE A 24X24 CEILING PANEL (EXCEPT WHERE SHOWN AS 12X12). ALL CEILING DIFFUSERS TO HAVE ROUND NECKS.	CFM SHOWN ON PLANS. NECK & RUN-OUT SIZED PER THE FOLLOWING: CFM / NECK SIZE / RUN-OUT SIZE 0 - 100 / 6" / 6" 101 - 200 / 8" / 8" 201 - 300 / 10" / 10" 301 - 500 / 12" / 12" 501 - 750 / 15" / 15" 751 - 1000 / 18" / 18"	TITUS OMNI
"LD"	200LD / CFM	LOUVER FACE CEILING DIFFUSER WITH SQUARE NECK. ALL CEILING DIFFUSERS TO HAVE A 24X24 CEILING PANEL (EXCEPT WHERE SHOWN AS 12X12). ALL CEILING DIFFUSERS TO HAVE SQUARE NECKS.	CFM SHOWN ON PLANS. NECK & RUN-OUT SIZED PER THE FOLLOWING: CFM / NECK SIZE / RUN-OUT SIZE 0 - 100 / 6"x6" / 6" 101 - 200 / 9"x9" / 8" 201 - 300 / 12"x12" / 10" 301 - 500 / 15"x15" / 12" 501 - 750 / 18"x18" / 15" 751 - 1000 / 21"x21" / 18"	TITUS TDCA-AA
"R", "E", "T"	200R / CFM; R24 / SQUARE NECK SIZE	CEILING MOUNTED RETURN (R), EXHAUST (E), OR TRANSFER (T) EGGCRATE GRILLE. ALL GRILLES IN A LAY-IN CEILING TO HAVE A 24X24 CEILING PANEL.	CFM SHOWN ON PLANS. NECK SIZED PER THE FOLLOWING: CFM / NECK SIZE 0 - 100 / 6x6 101 - 200 / 8x8 201 - 350 / 10x10 351 - 500 / 12x12 501 - 750 / 14x14 751 - 950 / 16x16 951 - 1200 / 18x18 1201 - 1500 / 20x20 1501 - 2000 / 24x24	TITUS 50F
SR	SR12X6 / 200 / CFM / W x H	SIDEWALL SUPPLY REGISTER.	SIZE (WxH) IN INCHES & CFM SHOWN.	TITUS 272FL
WRG / WTG	WRG12X6 / 200 / CFM / W x H	WALL RETURN GRILLE / WALL TRANSFER GRILLE.	SIZE (WxH) IN INCHES & CFM SHOWN.	TITUS 350FL
DL	DL12X6 / 200 / CFM / W x H	DRUM LOUVER.	SIZE (WxH) IN INCHES & CFM SHOWN.	TITUS DLSV
BRG	BRG12X6 / 200 / CFM / W x H	BAR RETURN GRILLE.	SIZE (WxH) IN INCHES & CFM SHOWN.	TITUS 33R

NOTES:

1. SEE SPECIFICATIONS FOR FINISH AND CONSTRUCTION MATERIAL FOR EACH AIR DEVICE.
2. COORDINATE WITH ARCHITECT'S CEILING PLAN FOR LAY-IN OR SURFACE MOUNTING OF CEILING MOUNTED AIR DEVICES.
3. COORDINATE LOCATIONS OF CEILING MOUNTED AIR DEVICES WITH LIGHT FIXTURES, SPRINKLER HEADS, AND OTHER CEILING MOUNTED DEVICES. DO NOT SCALE MECHANICAL DRAWINGS FOR LOCATIONS.

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142 SCHOOL STREET . OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
MECHANICAL LEGENDS AND NOTES



PROJ. MGR.:	JWS
DRAWN:	CWM
DATE:	AUGUST 31, 2026
REVISIONS	

JOB NO. 25-70R

SHEET NO:
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SHEET TITLE:
MECHANICAL SCHEDULES

AIR PURIFICATION SCHEDULE

FLOW	GPS MODEL	GPS QUANTITY	MINIMUM NEEDLE SPACING	VOLTAGE	MOUNTING LOCATION	MINIMUM ION DENSITY (IONS/CC)
CV	GPS-FC	1 PER UNIT	1 EVERY 3/4"	208	ALL MINI-SPLITS	40 MILLION PER 0.75"

NOTES:

1. BASIS OF DESIGN: GLOBAL PLASMA SOLUTIONS: APPROVED EQUALS BY PHENOMENAL AIRE, ACTIVE AIR, AIRGENICS AND BIOXGEN SUBJECT TO SPECIFICATION COMPLIANCE.
2. MOUNT GPS-FC TO AIR INLET SIDE OF COOLING COIL.
3. IF CONTRACTOR SUBSTITUTES BASIS OF DESIGN WITH ANOTHER MANUFACTURER, CONTRACTOR SHALL COORDINATE ALL ELECTRICAL AND MECHANICAL CHANGES.
4. BI-POLAR IONIZATION SYSTEMS REQUIRING PERISHABLE GLASS TUBES ARE NOT ACCEPTABLE.
5. ALL MANUFACTURER'S MUST PASS UL-867-2007 OZONE CHAMBER TESTING BY EITHER US OR ETL.
6. PROVIDE STAND ALONE ION DETECTOR TO COMMUNICATE WITH THE BAS. SYSTEMS WITHOUT ION DETECTORS SHALL NOT BE ACCEPTABLE.
7. IONIZATION BAR TO HAVE A MINIMUM OF 1 NEEDLEPOINT EVERY 0.75" OF COIL WIDTH. SYSTEMS WITH NEEDLES FURTHER APART SHALL NOT BE ACCEPTABLE.
8. IONIZATION SYSTEMS WITH MULTIPLE ION MODULES MOUNTED TO A BAR SHALL NOT BE AN ACCEPTABLE SUBSTITUTE.
9. IONIZATION SYSTEMS THAT DO NOT USE EPOXY TO PROTECT THE ION CIRCUITRY SHALL NOT BE ACCEPTABLE.
10. IONIZATION OUTPUT SHALL BE A MINIMUM OF 40 MILLION IONS/CC FOR EVERY 0.75" OF COIL WIDTH.
11. BIPOLAR IONIZATION UNIT SHALL DE-ENERGIZE UPON SYSTEM SHUTDOWN.

AIR PURIFICATION SCHEDULE

FLOW	GPS MODEL	GPS QUANTITY	MINIMUM NEEDLE SPACING	VOLTAGE	WATTS	MOUNTING LOCATION	MINIMUM ION DENSITY (IONS/CC)
CV	GPS-IMOD	1 PER COOLING COIL	1 EVERY 3/4"	115	15	ALL PKG UNITS	40 MILLION PER 0.75"

NOTES:

1. BASIS OF DESIGN: GLOBAL PLASMA SOLUTIONS: APPROVED EQUALS BY PHENOMENAL AIRE, ACTIVE AIR, AIRGENICS AND BIOXGEN SUBJECT TO SPECIFICATION COMPLIANCE.
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FAN SCHEDULE

FAN TYPE:
1. CEILING MOUNTED EXHAUST FAN.

FAN ACCESSORIES:
1. BACKDRAFT DAMPER.
2. DISCONNECT SWITCH.
3. ALUMINUM CEILING GRILLE.
4. 5A-120V FAN SPEED CONTROLLER.
5. SPRING VIBRATION ISOLATORS.

MARK	FAN TYPE	AIRFLOW (CFM)	E.S.P. (IN.-W.G.)	WHEEL SIZE (INCHES)	SOUND CRITERIA (SONES/dBA)	RPM	MOTOR (HP / W)	ELECTRICAL			INTERLOCK WITH	WEIGHT (LBS)	ACCESSORIES	BASIS OF DESIGN
								V	PH	HZ				
CEF-1	1	210	0.5	6.3	3/45	1358	0.167/37	115 V	1	60	LIGHT SWITCH	40	1,2,3,4,5	COOK GC
CEF-2	1	350	0.5	6.3	2/40	1228	0.25/195	115 V	1	60	LIGHT SWITCH	30	1,2,3,4,5	COOK GC
CEF-3	1	50	0.5	7.6	2/38	722	0.04/48	115 V	1	60	LIGHT SWITCH	20	1,2,3,4,5	COOK GC

INDOOR HEAT PUMP (MINI-SPLIT SYSTEM) SCHEDULE

TYPE:
1. INDOOR, WALL MOUNT
2. INDOOR, CEILING CASSETE
3. INDOOR, HORIZONTAL CONCEALED, MEDIUM-STATIC

NOTES:
1. AIRFLOW RATED AT HIGH FAN SPEED.
2. POWER FOR INDOOR UNIT IS FED FROM OUTDOOR UNIT.
3. COOLING CAPACITY RATED AT 95°F.
4. HEATING CAPACITY RATED AT 47°F.

ACCESSORIES:
1. 3-POLE DISCONNECT SWITCH.
2. HARD WIRED UNIT CONTROLLER.
3. FULL PORT BALL VALVES & SCHRADER VALVES WITH FLARED CONNECTIONS.
4. FIELD-INSTALLED CONDENSATE PUMP (120/1/60) - 1 GPH @ 33 FT. HD.
5. INTEGRAL CONDENSATE PUMP.
6. SUPPLY AIR DUCT OUTLET.
7. OUTSIDE AIR DUCT INLET.
8. AIR BLANK-OFF.
9. PROVIDE FACTORY REFRIGERANT LEAK CONTROLS AS DESCRIBED ON CONTROLS.

MARK	TYPE	AIRFLOW (CFM)	NOMINAL TONS	COOLING CAPACITY (MBH)	HEATING CAPACITY (MBH)	DIMENSIONS (IN.) (WxLxH)	ELECTRICAL				WEIGHT (LBS.)	ACCESSORIES	BASIS OF DESIGN
							V	PH	HZ	MCA (A)			
IHP-1	2	700	2	24	29	33-1/16x33-1/16x11-3/4	208 V	1	60	1	60	1,2,3,4,5,6,7,8,9	MITSUBISHI
IHP-2	2	600	1.5	18	23	33-1/16x33-1/16x11-3/4	208 V	1	60	1	60	1,2,3,4,5,6,7,8,9	MITSUBISHI
IHP-3	2	600	1.5	18	23	33-1/16x33-1/16x11-3/4	208 V	1	60	1	60	1,2,3,4,5,6,7,8,9	MITSUBISHI
IHP-4	1	600	1.5	18	23	35-23/64x9-11/32x11-25/32	208 V	1	60	1	30	1,2,3,4,5,6,7,8,9	MITSUBISHI
IHP-5	2	230	1	12	13	22x22x9	208 V	1	60	1	40	1,2,3,4,5,6,7,8,9	MITSUBISHI

OUTDOOR HEAT PUMP (MINI-SPLIT SYSTEM) SCHEDULE

TYPE:
1. OUTDOOR HEAT PUMP

NOTES:
1. REFRIGERANT PIPING SHALL BE SIZED AND ROUTED PER MANUFACTURER 'S RECOMMENDATIONS.
2. POWER TO INDOOR UNITS IS PROVIDED THRU OUTDOOR UNITS
3. REFRIGERANT CIRCUIT ACCESS PORTS LOCATED OUTDOORS SHALL BE FITTED WITH LOCKING-TYPE TAMPER-RESISTANT CAPS.
4. UNIT SHALL BE CAPABLE OF MINIMUM LINE LENGTH OF 65FT.

MARK	TYPE	COOLING CAPACITY (MBH)	HEATING CAPACITY (MBH)	ELECTRICAL					EFFICIENCY		BASIS OF DESIGN
				V	PH	HZ	MCA (A)	MOCP (A)	SEER	HSPF	
OHP-1	1	24	29	208	1	60	19	22	25.9	10.3	MITSUBISHI
OHP-2	1	18	23	208	1	60	16	20	24.7	9.8	MITSUBISHI
OHP-3	1	18	23	208	1	60	16	20	24.7	9.8	MITSUBISHI
OHP-4	1	18	23	208	1	60	16	20	24.7	9.8	MITSUBISHI
OHP-5	1	12	13	208	1	60	9	16	22	11.4	MITSUBISHI

PACKAGED HEAT PUMP

TYPE:
1. PACKAGED HEAT PUMP

NOTES:
1. COOLING CAPACITY IS NET CAPACITY @ 95°F AMBIENT.

ACCESSORIES:
1. 2" THICK THROWAWAY FILTER, MERV 8.
2. CONDENSER COIL GUARD.
3. HEAD PRESSURE CONTROL TO 10°F AMBIENT.
4. OSA INTAKE HOOD.
5. STEEL FACTORY FABRICATED INSULATED ROOF CURB.
6. HINGED ACCESS DOORS.
7. STAINLESS STEEL DRAIN PAN.
8. MODULATING HOT GAS REHEAT COIL.
9. PROVIDE FACTORY REFRIGERANT LEAK CONTROLS AS DESCRIBED ON CONTROLS.
10. DUAL ENTHALPY ECONOMIZER W/ BAROMETRIC RELIEF.

MARK	TYPE	SUPPLY FAN			MAX OSA (CFM)	MIN OSA (CFM)	DX COOLING CAPACITY				DX HEATING CAPACITY		ELECTRIC AL HEAT (KW)	ELECTRICAL					HOT GAS REHEAT (MBH)	IEER/EER	WEIGHT (LBS)	ACCESSORIES	BASIS OF DESIGN
		AIRFLOW (CFM)	E.S.P. (IN.-W.G.)	MOTOR (HP)			EAT (DB°F/WB°F)	TOTAL (MBH)	SENS (MBH)	NOM. TONS	TOTAL (MBH)	EAT (DB°F)		V	PH	HZ	MCA (A)	MOCP (A)					
RTU-1	1	9000	1.3	4.2 HP	2365	300	80.3°F/67°F	257.03	198.38	25	249.4	56.2	72	460 V	3	60	147	150	134.1	15.5/10.1	2700	1,2,3,4,5,6,7,8,9,10	TRANE
RTU-2	1	9000	1.3	4.2 HP	2365	300	80.3°F/67°F	257.03	198.38	25	249.4	56.2	72	460 V	3	60	147	150	134.1	15.5/10.1	2700	1,2,3,4,5,6,7,8,9,10	TRANE
RTU-3	1	2000	1	3 HP	300	300	77.5°F/64.8°F	60	45	5	53.06	70 F	18	460 V	3	60	44	45	47.4	15.8/13.5	1000	1,2,3,4,5,6,7,8,9,10	TRANE



PROJ. MGR.: JWS
DRAWN: CWM
DATE: AUGUST 31, 2026
REVISIONS

JOB NO. 25-70R

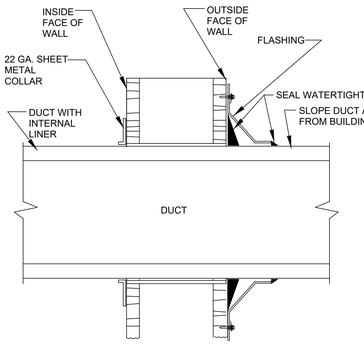
SHEET NO:
M0.2

Dewberry
2 Riverchase Office Plaza
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Hoover, AL 35244
(205) 988-2069
www.dewberry.com
Project Number :
50191964

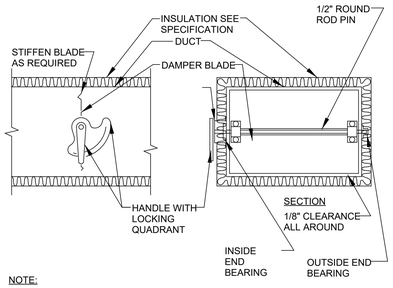
LATHAN
McKEE
ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET . OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
MECHANICAL DETAILS



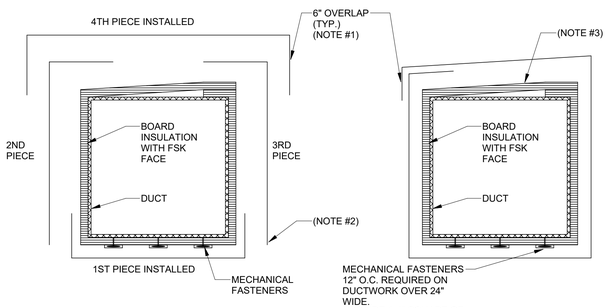
DUCTWORK THRU OUTSIDE WALL DETAIL
NO SCALE



NOTE:

1. DELETE INSULATION STAND-OFF ON DUCTWORK WITHOUT EXTERIOR INSULATION.
2. DETAIL SHOWS SINGLE BLADE DAMPER. DAMPER INSTALLATION SHALL BE SIMILAR FOR MULTI-BLADE DAMPERS & ROUND DAMPERS.
3. MANUAL DAMPERS SHALL BE EQUAL TO RUSKIN MD35 (FOR RECTANGULAR DUCTS) AND SHALL BE EQUAL TO RUSKIN MDRS25 (FOR ROUND DUCTS).

MANUAL DAMPER DETAIL
NO SCALE



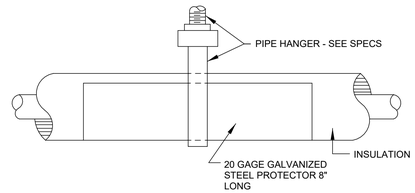
MULTIPLE PIECE INSTALLATION

ONE PIECE INSTALLATION (IF DUCT SIZE PERMITS)

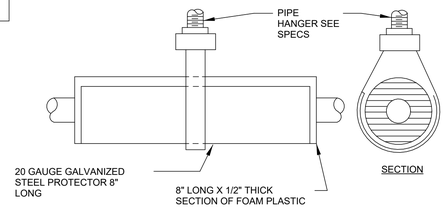
NOTES:

1. ALL OVERLAPS SHALL BE A MINIMUM OF 6".
2. PROVIDE STUCCO EMBOSSED ALUMINUM JACKET. SIDE PIECES SHOULD BE CUT FLUSH WITH THE BOTTOM CORNER AND SHOULD NOT BE FOLDED UNDER THE DUCT.
3. OVERLAP BOARD INSULATION ON TOP OF DUCT TO CREATE A SLOPED TOP TO PREVENT PONDING OF WATER. TAPE ALL INSULATION JOINTS BEFORE APPLYING WEATHER PROOFING MATERIAL.

EXTERIOR DUCT INSULATION AND ALUMINUM JACKET
NO SCALE

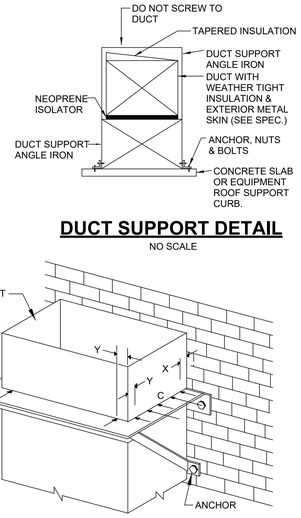


INSULATED LINES

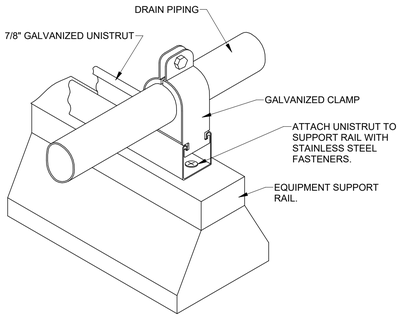


UNINSULATED LINES

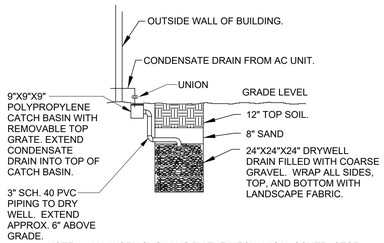
REFRIGERANT PIPING HANGER DETAIL
NO SCALE



DUCT SUPPORT DETAIL
NO SCALE



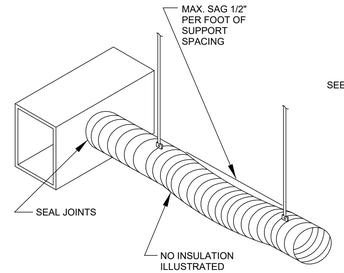
PIPING SUPPORT DETAIL
NO SCALE



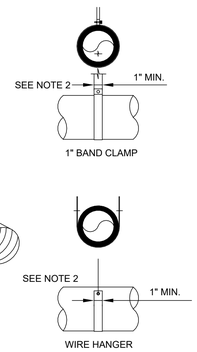
NOTE: ALL WORK SHOWN IS BY THE MECHANICAL CONTRACTOR.

DRY WELL DETAIL
NO SCALE

MINIMUM CONDENSATE PIPE SIZE	
AC TONS	MIN. DRAIN SIZE
0 TO 20	1"
21 TO 40	1-1/4"
41 TO 60	1-1/2"
61 TO 100	2"
101 TO 250	3"
251 & LARGER	4"



* DUCT SHOULD EXTEND STRAIGHT FOR TWO FEET FROM A CONNECTION BEFORE BENDING.



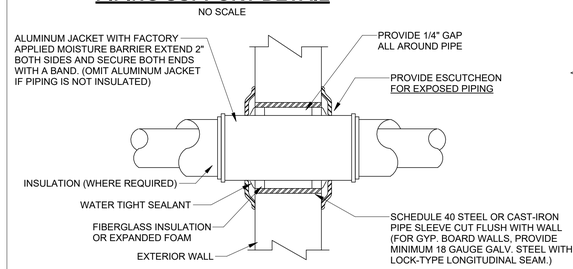
DUCT GAGE
25, 22, 20
18, 16

ALLOWABLE LOAD PER FASTENER
35 lb
50 lb

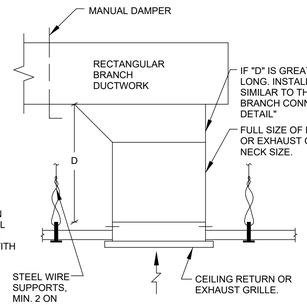
WELD, BOLT OR NO. 8 SCREW (MIN.). DEVIATION PERMITTED BY OTHER ANALYSIS. X = 1", Y = 2", ADD OTHERS TO ACCOMMODATE LOAD. MINIMUM OF 3 ON 24" WIDTH AND UP. ADD ALONG SIDES NEAREST ANCHORS.

NOTES:
1. BRACKETS ARE SIZED FOR 12 FEET OF DUCT, MAXIMUM.
2. LOCATE DUCTS AGAINST WALL OR MAXIMUM OF 2" AWAY FROM WALL.
3. EACH WALL ANCHOR SHALL SATISFY THE FOLLOWING CRITERIA UNLESS OTHER ANALYSIS IS MADE:
   A. TENSILE LOAD = 3/8 X DUCT WEIGHT; SAFETY FACTOR OF 4.
   B. SHEAR LOAD X 1/2 X DUCT WEIGHT; SAFETY FACTOR OF 4.

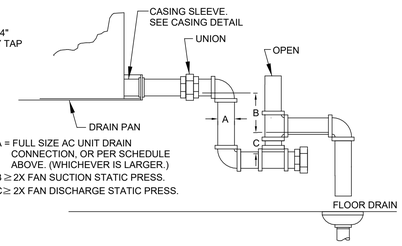
DUCT SUPPORT FROM WALL
NO SCALE



PIPE PENETRATION DETAIL
NO SCALE



CEILING RETURN/EXHAUST BRANCH CONNECTION DETAIL
NO SCALE



A = FULL SIZE AC UNIT DRAIN CONNECTION, OR PER SCHEDULE ABOVE. (WHICHEVER IS LARGER.)
B ≥ 2X FAN SUCTION STATIC PRESS.
C ≥ 2X FAN DISCHARGE STATIC PRESS.

AC UNIT DRAIN TRAP DETAIL
NO SCALE

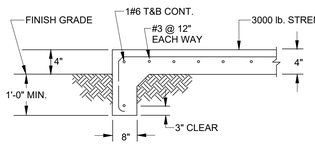


D = W/4, (4" MIN.)
L = W (WIDTH OF DUCT)

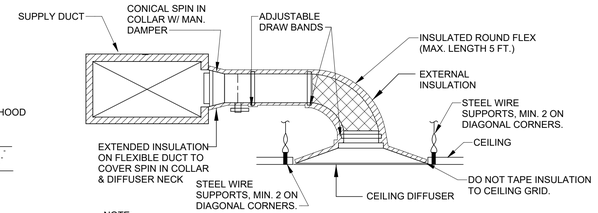
DUCT BRANCH CONNECTION
NO SCALE

NOTES:
1. SUPPORT SYSTEM MUST NOT DAMAGE DUCT OR CAUSE OUT OF ROUND SHAPE.
2. DUCTS ARE FLEXIBLE WITH EXTERNAL INSULATION AND VAPOR BARRIER JACKETING.
3. MIN. CENTER LINE BEND LINE RADIUS IS ONE DIA. (OR INSIDE RADIUS OF D/2).
4. FLEXIBLE DUCT LENGTH SHALL NOT EXCEED 5 LINEAR FEET.

FLEXIBLE DUCT SUPPORT DETAIL
NO SCALE

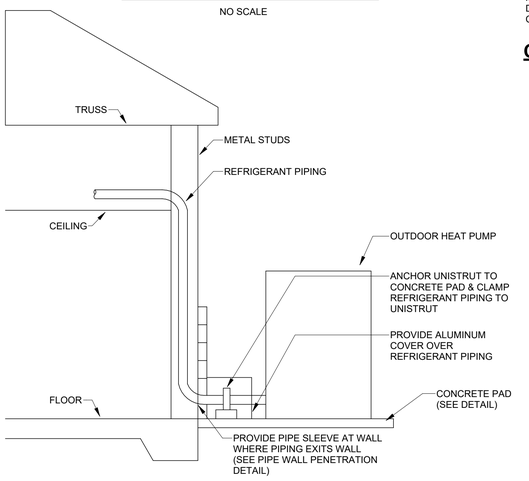


CONCRETE PAD DETAIL
NO SCALE

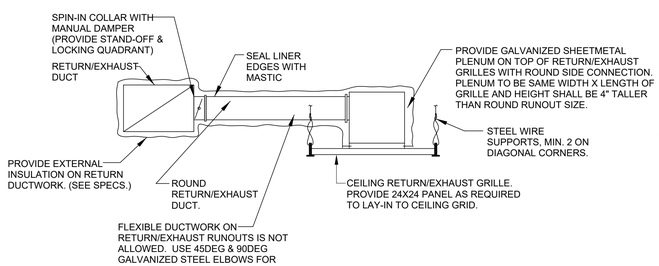


NOTE:
1. WHEREVER THE SUPPLY DUCT HEIGHT IS INSUFFICIENT TO CONNECT THE SPIN-IN, THE SPIN-IN MAY BE CONNECTED TO THE TOP OR BOTTOM OF THE DUCT. IF THE BRANCH DUCT MUST BE CONNECTED TO THE SIDE OF THE MAIN DUCT, USE A RECTANGULAR BRANCH DUCT CONNECTION OF EQUAL AIR VELOCITY AND TRANSITION TO ROUND DUCT. REFER TO SPECIFICATION FOR MAXIMUM TURNS IN FLEX DUCT.
2. PROVIDE EXTERNAL INSULATION ON ALL ROUND BRANCH DUCTWORK. SEE SPECS FOR THICKNESS AND EXTENT.
3. PROVIDE EXTERNAL INSULATION ON BACK SIDE OF CEILING DIFFUSERS. THICKNESS TO MATCH BRANCH DUCT INSULATION THICKNESS.

CEILING DIFFUSER INSTALLATION DETAIL
NO SCALE

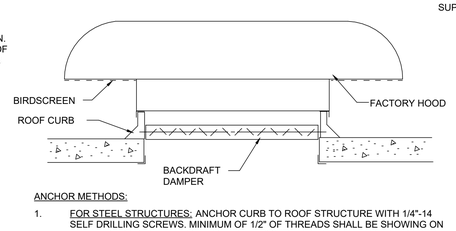


CONDENSING UNIT INSTALLATION DETAIL
NO SCALE



NOTE:
WHEREVER THE RETURN/EXHAUST DUCT HEIGHT IS INSUFFICIENT TO CONNECT THE SPIN-IN, THE SPIN-IN MAY BE CONNECTED TO THE TOP OR BOTTOM OF THE DUCT. IF THE BRANCH DUCT MUST BE CONNECTED TO THE SIDE OF THE MAIN DUCT, USE A RECTANGULAR BRANCH DUCT CONNECTION (SEE DETAIL) OF EQUAL AIR VELOCITY AND TRANSITION TO ROUND DUCT.

CEILING RETURN/EXHAUST BRANCH CONNECTION DETAIL (FOR BRANCH CONNECTIONS 12" & SMALLER)
NO SCALE



ANCHOR METHODS:

1. FOR STEEL STRUCTURES: ANCHOR CURB TO ROOF STRUCTURE WITH 1/4"-14 SELF DRILLING SCREWS. MINIMUM OF 1/2" OF THREADS SHALL BE SHOWING ON THE UNDERSIDE OF THE STRUCTURE. PROVIDE MINIMUM (4) FASTENERS PER SIDE, (TOTAL OF 16), EQUALLY SPACED ON EACH SIDE.
2. FOR CONCRETE STRUCTURES: ANCHOR CURB TO ROOF STRUCTURE WITH 3/8" HILTI EXPANSION ANCHORS, MINIMUM 2-1/2" ENGAGEMENT. PROVIDE MINIMUM (2) ANCHORS PER SIDE, (TOTAL OF 8), EQUALLY SPACED ON EACH SIDE.
3. ANCHOR HOOD TO CURB WITH A MINIMUM OF (4) 1/4"-14 SELF DRILLING SCREWS ON EACH SIDE OF THE HOOD (TOTAL OF 16 FASTENERS). ONE FASTENER SHALL BE INSTALLED 3" FROM EACH END ON THE SIDE OF THE HOOD AND THE OTHER TWO SHALL BE EQUALLY SPACED ALONG THE SIDE.

EXHAUST HOOD DETAIL
NO SCALE

ALABAMA
WADE STEWART
No. 24747
PROFESSIONAL
08-31-2026
ENGINEER

PROJ. MGR.:	JWS
DRAWN:	CWM
DATE:	AUGUST 31, 2026
REVISIONS	

JOB NO. 25-70R

SHEET NO:
M0.3

REFRIGERANT LEAK DETECTION CONTROLS:

1. THE LEAK DETECTION SYSTEM SHALL CONSIST OF ONE OR MORE REFRIGERANT LEAK DETECTION SENSORS INSTALLED IN THE HVAC EQUIPMENT BY THE HVAC EQUIPMENT MANUFACTURER.

   A. UTILIZE A SET POINT, NONADJUSTABLE IN THE FIELD, TO GENERATE AN OUTPUT SIGNAL TO INITIATE MITIGATION ACTIONS.

   B. FIELD RECALIBRATION OF THE REFRIGERANT DETECTION SYSTEM SHALL NOT BE PERMITTED.

   C. BE CAPABLE OF DETECTING THE PRESENCE OF A SPECIFIED REFRIGERANT CORRESPONDING TO THE REFRIGERANT DESIGNATION OF THE REFRIGERANT CONTAINED IN THE REFRIGERATION SYSTEM.

   D. HAVE ACCESS FOR REPLACEMENT OF REFRIGERANT DETECTION SYSTEM COMPONENTS.

   E. HALF SELF-DIAGNOSTICS TO DETERMINE OPERATIONAL STATUS OF THE SENSING ELEMENT.

   F. ENERGIZE AIR CIRCULATION FANS OF THE EQUIPMENT UPON FAILURE OF A SELF DIAGNOSTIC CHECK.

   G. GENERATE AN OUTPUT SIGNAL IN NOT MORE THAN 30 SECONDS WHEN EXPOSED TO A REFRIGERANT CONCENTRATION OF 25% LFL (+0%,-1%).

2. WHEN THE SYSTEM DETECTS A LEAK, THE FOLLOWING MITIGATION ACTIONS WILL BE INITIATED UNTIL REFRIGERANT HAS NOT BEEN DETECTED FOR 5 MINUTES:

   A. SUPPLY FANS SHALL BE ENERGIZED TO RUN AT 100% FAN SPEED.

   B. COMPRESSOR OPERATION SHALL BE DISABLED.

   C. ALL ZONING DAMPERS, SUCH AS VAV TERMINAL UNITS SHALL BE OPENED TO 100%.

   D. ALL ELECTRIC HEAT OR GAS HEAT SHALL BE DISABLED.

3. THE BUILDING FIRE AND SMOKE SYSTEMS SHALL OVERRIDE THIS FUNCTION.

4. IF THE REFRIGERANT SENSOR HAS A FAULT, IS AT THE END OF ITS USEFUL LIFE, OR IS DISCONNECTED, THE AC UNIT WILL INITIATE THE ABOVE MITIGATION ACTIONS. MITIGATION ACTIONS SHALL BE VERIFIED BY DISCONNECTING THE SENSOR.

5. THE REFRIGERANT SENSORS DO NOT NEED ROUTINE MAINTENANCE. USE ONLY MANUFACTURER-APPROVED SENSORS WHEN REPLACEMENT IS REQUIRED.

HVAC EQUIPMENT REFRIGERANT GENERAL NOTES:

1. THIS PROJECT IS DESIGNED WITH HVAC EQUIPMENT WHICH USE A2L REFRIGERANT.

2. THE MECHANICAL DESIGN WILL COMPLY WITH THE 2024 INTERNATIONAL MECHANICAL CODE, ASHRAE 15-2022, AND ASHRAE 34-2022.

3. THE INSTALLATION SHALL ALSO COMPLY WITH THESE STANDARDS.

4. HVAC EQUIPMENT SHALL BE MANUFACTURED TO COMPLY WITH THESE STANDARDS, AS WELL AS UL 484, UL/CSA 60335-2-40, AND UL/CSA 60355-2-89.

5. REFRIGERANT PIPING LOCATED IN AREAS OTHER THAN THE ROOM OR SPACE WHERE THE REFRIGERATING EQUIPMENT IS LOCATED SHALL BE IDENTIFIED IN ACCORDANCE WITH ANSI/ASME A13.1. THE PIPE IDENTIFICATION SHALL BE LOCATED AT INTERVALS NOT EXCEEDING 20FT OR AT ANY CHANGE IN DIRECTION ON THE REFRIGERANT PIPING OR THE REFRIGERANT PIPING INSULATION. THE MINIMUM HEIGHT OF THE LETTERING SHALL BE 0.05 IN. THE IDENTIFICATION SHALL INDICATE THE REFRIGERANT DESIGNATION AND SAFETY GROUP CLASSIFICATION OF REFRIGERANT USED IN THE PIPING SYSTEM. FOR GROUP A2L REFRIGERANTS, THE IDENTIFICATION SHALL ALSO INCLUDE THE FOLLOWING STATEMENT: "WARNING - RISK OF FIRE. FLAMMABLE REFRIGERANT".

6. THE MECHANICAL CONTRACTOR SHALL PRESSURE TEST ALL REFIRGERANT PIPING PER THE MANUFACTURER'S RECOMMENDATIONS AND PROVIDE A CERTIFICATE OF THE PRESSURE TEST FOR ALL REFRIGERANT PIPING SYSTEMS.

7. THE HVAC EQUIPMENT FACTORY MOUNTED REFRIGERANT DETECTOR AND ANY ASSOCIATED MECHANICAL VENTILATION SHALL BE TESTED BY THE MECHANICAL CONTRACTOR. THE MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE HVAC CONTROLS CONTRACTOR AND EQUIPMENT PROVIDER TO PROVIDE NECESSARY PERSONNEL TO CONDUCT THIS TEST. A REPORT OF THIS TEST SHALL BE PROVIDED IN THE PROJECT CLOSE OUT DOCUMENTS.

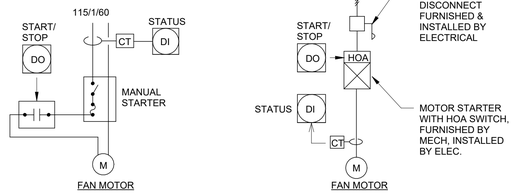
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2. THE MECHANICAL DESIGN WILL COMPLY WITH THE 2024 INTERNATIONAL MECHANICAL CODE, ASHRAE 15-2022, AND ASHRAE 34-2022.

3. THE INSTALLATION SHALL ALSO COMPLY WITH THESE STANDARDS.

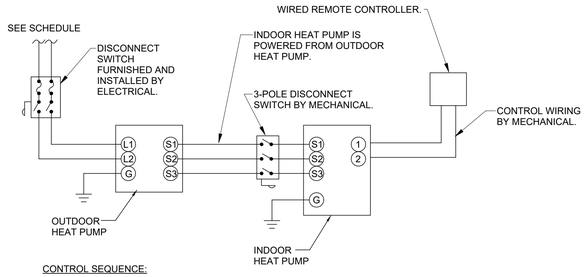
4. HVAC EQUIPMENT SHALL BE MANUFACTURED TO COMPLY WITH THESE STANDARDS, AS WELL AS UL 484, UL/CSA 60335-2-40, AND UL/CSA 60355-2-89.



THE BAS SHALL START/STOP THE EXHAUST FAN BASED ON THE EQUIPMENT IT SHALL BE INTERLOCKED WITH, AS ACCORDING TO THE SCHEDULE.

EXHAUST FAN CONTROLS

NO SCALE

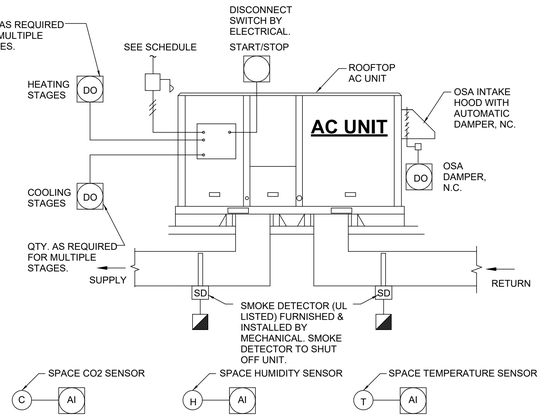


CONTROL SEQUENCE:

THE AC UNIT SHALL BE CONTROLLED BY A WIRED WALL MOUNTED REMOTE CONTROLLER. THE CONTROLLER SHALL CYCLE ON COMPRESSOR(S) TO MAINTAIN COOLING SETPOINT (74°F - ADJUSTABLE) AND HEATING SETPOINT (70°F - ADJUSTABLE). ALL MINI-SPLIT AC UNITS THAT SERVE ELECTRICAL AND IT ROOMS SHALL NOT SET THEIR TEMPERATURE BACK AT NIGHT. FOR ALL MINI-SPLIT AC UNITS THAT SERVE OFFICES, CLASSROOMS, ETC. SHALL SET THEIR TEMPERATURE BACK TO 4°F ABOVE SETPOINT IN SUMMER AND 4°F BELOW SETPOINT IN THE WINTER. COORDINATE WITH OWNER TO ESTABLISH OCCUPIED / UNOCCUPIED SCHEDULES.

DUCTLESS SPLIT SYSTEM CONTROLS

NO SCALE



PACKAGED AC UNIT CONTROLS

NO SCALE

AC UNIT CONTROL SEQUENCE:

OCCUPIED MODE:
THE BAS SHALL START THE SUPPLY FAN, SUBJECT TO INTERNAL AC UNIT SAFETIES AND SMOKE DETECTOR INTERLOCK (WHERE REQUIRED), THE SPACE TEMPERATURE SENSOR SHALL CYCLE ON COMPRESSOR TO MAINTAIN COOLING SETPOINT (75°F - ADJUSTABLE) AND HEATING SETPOINT (70°F ADJUSTABLE). IF THE COMPRESSOR CAN NOT MAINTAIN THE HEATING SETPOINT, THE ELECTRIC HEAT SHALL BE STAGED AS REQUIRED TO MAINTAIN HEATING SETPOINT (70°F - ADJUSTABLE).

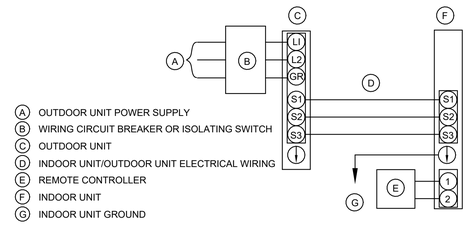
DURING OCCUPIED MODE AS DETERMINED BY THE BAS, THE OUTSIDE AIR DAMPER SHALL OPEN TO A MINIMUM POSITION TO PROVIDE THE MINIMUM SCHEDULED OSA CFM. WHERE A SPACE CO2 SENSOR IS SHOWN. WHEN THE SPACE CO2 LEVELS RISE TO 1000 PPM, THE OUTSIDE AIR AUTO DAMPER SHALL OPEN TO PROVIDE THE MAXIMUM SCHEDULED OSA CFM. AUTO DAMPER POSITIONS TO PROVIDE THE MIN & MAX CFM VALUES SHALL BE DETERMINED BY THE TEST AND BALANCE CONTRACTOR.

DEHUMIDIFICATION SEQUENCE:
UPON A RISE IN SPACE HUMIDITY (ABOVE 60% RH), THE AC UNIT SHALL GO INTO FULL COOLING AND STAGE ON THE HOT GAS REHEAT COIL TO MAINTAIN A SPACE TEMPERATURE OF 74°F. (ADJUSTABLE). UPON THE HUMIDITY FALLING BACK BELOW SETPOINT (55% RH) THE UNIT SHALL RETURN TO NORMAL OPERATION.

UNOCCUPIED MODE:
THE OUTSIDE AIR DAMPER SHALL REMAIN CLOSED DURING UNOCCUPIED HOURS. THE SPACE TEMPERATURE AND HUMIDITY SENSOR SHALL CYCLE ON COMPRESSOR TO MAINTAIN COOLING SETPOINT (80°F - ADJUSTABLE) AND ELECTRIC HEAT AS REQUIRED TO MAINTAIN HEATING SETPOINT (60°F - ADJUSTABLE) AND HOT GAS REHEAT TO MAINTAIN HUMIDITY SETPOINT (60% RELATIVE HUMIDITY - ADJUSTABLE).

ECONOMIZER:
THE UNIT WILL MEASURE THE INDOOR AIR ENTHAPLY AND THE OUTDOOR AIR ENTHALPY AND ECONOMIZER WILL BE ENABLED WHEN THE OUTDOOR AIR ENTHALPY IS BELOW THE INDOOR AIR ENTHALPY. CHANGE OVER SETPOINT (55°F). WHEN ECONOMIZING IS ENABLED AND THE UNIT IS OPERATING IN COOLING MODE, THE OUTSIDE AIR DAMPER AND RETURN AIR DAMPER WILL BE MODULATED IN TANDEM TO MAINTAIN THE SPACE TEMPERATURE SETPOINT. IF THE ECONOMIZER CANNOT MAINTAIN SPACE TEMPERATURE, THE COMPRESSORS SHALL BE ENABLED.

TO PREVENT SPACE OVER-PRESSURIZATION, THE BAROMETRIC RELIEF DAMPER AT THE AC UNIT SHALL OPEN DURING ECONOMIZER MODE.



Ⓐ OUTDOOR UNIT POWER SUPPLY
Ⓑ WIRING CIRCUIT BREAKER OR ISOLATING SWITCH
Ⓒ OUTDOOR UNIT
Ⓓ INDOOR UNIT/OUTDOOR UNIT ELECTRICAL WIRING
Ⓔ REMOTE CONTROLLER
Ⓕ INDOOR UNIT
Ⓖ INDOOR UNIT GROUND

WIRING DETAIL FOR DUCTLESS MINI-SPLIT

NO SCALE

Dewberry
2 Riverchase Office Plaza
Suite 205
Hoover, AL 35244
(205) 988-2069
www.dewberry.com

Project Number :
50191964

LATHAN McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET . OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
MECHANICAL CONTROLS



PROJ. MGR.:	JWS
DRAWN:	CWM
DATE:	AUGUST 31, 2026
REVISIONS	

JOB NO. 25-70R

SHEET NO:
M0.4

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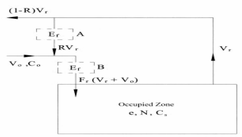
LATHAN
McKEE
ARCHITECTS

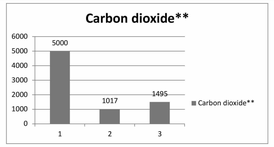
NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET . OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
MECHANICAL CALCULATIONS

Zone Tag	Facility Type	Zone Use	Zone Floor Area (square ft) Az	Zone Max Occupancy Pz	Table 6.1 OA per Occupant Rp	Table 6.1 cfm/ft2 Ra	Pz * Rp Pz * Rp	Az * Ra Az * Ra	Table 6.2 Ventilation Effectiveness Ez	Outdoor Air to Zone (CFM) with Ez correction (Vbz/Ez)
106 OFFICE	Educational Facilities	Office Space	140.0	1.0	5.0	0.06	5	8	0.8	17
										OA required per VRP

Zone Height (feet)	9.0
Desired Outside Air (Vo) IAQP	10
Supply Air (Vs)	200
Return Air (Vr)	200
Recirc. Flow Factor (R)	1.00
Ventilation Effectiveness (Ez)	0.8
Level of Physical Activity	**Sedentary**
Filter Location	B
HVAC Flow Type	Constant
Outdoor Air Flow Type	Constant





***OSHA, NIOSH & WHO most conservative values used
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1 = ASHRAE & NIOSH C02 Limit
2 = C02 Level at Ventilation Rate OA Flow Rate
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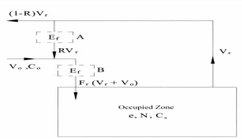
Indoor Contaminants Generated By People & From Outdoors	Maximum Threshold Value (PPM)	Steady State Using the VRP* (Prescribed OA) Plasma Off	Steady State Using the IAQ Method (Reduced OA) Plasma On	Is Steady State Level Acceptable at Reduced OA Levels?	Contaminant Generation Rate (PPM)	Filtration Effectiveness	Cognizant Authority***
Acetaldehyde	100.0	0.01111	0.00051	Yes	0.00032	50%	OSHA
Acetone	250.0	0.00159	0.00011	Yes	0.00433	50%	NIOSH
Ammonia	25.00	0.01233	0.00169	Yes	0.14210	50%	NIOSH
Benzene	1.0000	0.00252	0.00012	Yes	0.00015	50%	OSHA
2- Butanone (MEK)	200.0	0.00017	0.00001	Yes	0.00088	50%	NIOSH
Carbon dioxide**	5000	1017	1495	Yes	292	0%	NIOSH
Chloroform	2.0000	0.00011	0.00001	Yes	0.00003	50%	NIOSH
Dioxane	100.0	0.00000	0.00000	Yes	0.00000	50%	OSHA
Hydrogen Sulfide	10.0	0.00000	0.00000	Yes	0.00000	50%	NIOSH
Methane	NA	1.68094	1.68094	Yes	0.00000	0%	NA
Methanol	200.0	0.00000	0.00000	Yes	0.00000	0%	NIOSH
Methylene Chloride	25.0	0.00075	0.00004	Yes	0.00080	50%	OSHA
Propane	1000.0	0.00998	0.00998	Yes	0.00000	0%	NIOSH
Tetrachloroethane	5.0000	0.00000	0.00000	Yes	0.00000	50%	OSHA
Tetrachloroethylene	100.0000	0.00037	0.00002	Yes	0.00001	50%	OSHA
Toluene	100.0000	0.00533	0.00024	Yes	0.00021	50%	NIOSH
1,1,1 - Trichloroethane	350.0000	0.00076	0.00004	Yes	0.00038	50%	NIOSH
Xylene	100.0000	0.00230	0.00010	Yes	0.00000	50%	OSHA

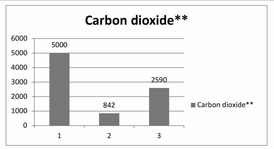
Building materials and furnishings assumed to have no VOCs and off-gassing is complete

Is IAQ acceptable at reduced outside air levels?	Yes

Zone Tag	Facility Type	Zone Use	Zone Floor Area (square ft) Az	Zone Max Occupancy Pz	Table 6.1 OA per Occupant Rp	Table 6.1 cfm/ft2 Ra	Pz * Rp Pz * Rp	Az * Ra Az * Ra	Table 6.2 Ventilation Effectiveness Ez	Outdoor Air to Zone (CFM) with Ez correction (Vbz/Ez)
108 CONCESSIONS	Food & Beverage Service	Cafeteria/Fast Food Dining	249.0	4.0	7.5	0.18	30	45	0.8	94
										OA required per VRP

Zone Height (feet)	9.0
Desired Outside Air (Vo) IAQP	20
Supply Air (Vs)	500
Return Air (Vr)	500
Recirc. Flow Factor (R)	1.00
Ventilation Effectiveness (Ez)	0.8
Level of Physical Activity	**Sedentary**
Filter Location	B
HVAC Flow Type	Constant
Outdoor Air Flow Type	Constant





***OSHA, NIOSH & WHO most conservative values used
http://www.cdc.gov/niosh/npg/npgsyn-a.html
1 = ASHRAE & NIOSH C02 Limit
2 = C02 Level at Ventilation Rate OA Flow Rate
3 = C02 Level at IAQ Procedure OA Flow Rate

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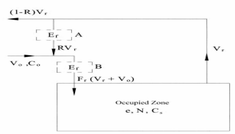
Indoor Contaminants Generated By People & From Outdoors	Maximum Threshold Value (PPM)	Steady State Using the VRP* (Prescribed OA) Plasma Off	Steady State Using the IAQ Method (Reduced OA) Plasma On	Is Steady State Level Acceptable at Reduced OA Levels?	Contaminant Generation Rate (PPM)	Filtration Effectiveness	Cognizant Authority***
Acetaldehyde	100.0	0.01111	0.00042	Yes	0.00032	50%	OSHA
Acetone	250.0	0.00149	0.00013	Yes	0.00433	50%	NIOSH
Ammonia	25.00	0.00932	0.00270	Yes	0.14210	50%	NIOSH
Benzene	1.0000	0.00251	0.00010	Yes	0.00015	50%	OSHA
2- Butanone (MEK)	200.0	0.00015	0.00002	Yes	0.00088	50%	NIOSH
Carbon dioxide**	5000	842	2590	Yes	292	0%	NIOSH
Chloroform	2.0000	0.00011	0.00000	Yes	0.00003	50%	NIOSH
Dioxane	100.0	0.00000	0.00000	Yes	0.00000	50%	OSHA
Hydrogen Sulfide	10.0	0.00000	0.00000	Yes	0.00000	50%	NIOSH
Methane	NA	1.68094	1.68094	Yes	0.00000	0%	NA
Methanol	200.0	0.00000	0.00000	Yes	0.00000	0%	NIOSH
Methylene Chloride	25.0	0.00073	0.00004	Yes	0.00080	50%	OSHA
Propane	1000.0	0.00998	0.00998	Yes	0.00000	0%	NIOSH
Tetrachloroethane	5.0000	0.00000	0.00000	Yes	0.00000	50%	OSHA
Tetrachloroethylene	100.0000	0.00037	0.00001	Yes	0.00001	50%	OSHA
Toluene	100.0000	0.00532	0.00020	Yes	0.00021	50%	NIOSH
1,1,1 - Trichloroethane	350.0000	0.00075	0.00003	Yes	0.00038	50%	NIOSH
Xylene	100.0000	0.00230	0.00009	Yes	0.00000	50%	OSHA

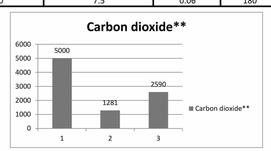
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Is IAQ acceptable at reduced outside air levels?	Yes

Zone Tag	Facility Type	Zone Use	Zone Floor Area (square ft) Az	Zone Max Occupancy Pz	Table 6.1 OA per Occupant Rp	Table 6.1 cfm/ft2 Ra	Pz * Rp Pz * Rp	Az * Ra Az * Ra	Table 6.2 Ventilation Effectiveness Ez	Outdoor Air to Zone (CFM) with Ez correction (Vbz/Ez)
TYP LOBBY	Educational Facilities	Lobbies/Prefunction	754.0	24.0	7.5	0.06	180	45	0.8	282
										OA required per VRP

Zone Height (feet)	9.0
Desired Outside Air (Vo) IAQP	120
Supply Air (Vs)	1,600
Return Air (Vr)	1600
Recirc. Flow Factor (R)	1.00
Ventilation Effectiveness (Ez)	0.8
Level of Physical Activity	**Sedentary**
Filter Location	B
HVAC Flow Type	Constant
Outdoor Air Flow Type	Constant





***OSHA, NIOSH & WHO most conservative values used
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1 = ASHRAE & NIOSH C02 Limit
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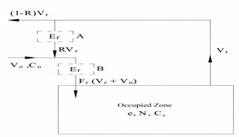
Indoor Contaminants Generated By People & From Outdoors	Maximum Threshold Value (PPM)	Steady State Using the VRP* (Prescribed OA) Plasma Off	Steady State Using the IAQ Method (Reduced OA) Plasma On	Is Steady State Level Acceptable at Reduced OA Levels?	Contaminant Generation Rate (PPM)	Filtration Effectiveness	Cognizant Authority***
Acetaldehyde	100.0	0.01112	0.00073	Yes	0.00032	50%	OSHA
Acetone	250.0	0.00172	0.00022	Yes	0.00433	50%	NIOSH
Ammonia	25.00	0.01687	0.00475	Yes	0.14210	50%	NIOSH
Benzene	1.0000	0.00252	0.00017	Yes	0.00015	50%	OSHA
2- Butanone (MEK)	200.0	0.00020	0.00004	Yes	0.00088	50%	NIOSH
Carbon dioxide**	5000	1281	2590	Yes	292	0%	NIOSH
Chloroform	2.0000	0.00011	0.00001	Yes	0.00003	50%	NIOSH
Dioxane	100.0	0.00000	0.00000	Yes	0.00000	50%	OSHA
Hydrogen Sulfide	10.0	0.00000	0.00000	Yes	0.00000	50%	NIOSH
Methane	NA	1.68094	1.68094	Yes	0.00000	0%	NA
Methanol	200.0	0.00000	0.00000	Yes	0.00000	0%	NIOSH
Methylene Chloride	25.0	0.00078	0.00007	Yes	0.00080	50%	OSHA
Propane	1000.0	0.00998	0.00998	Yes	0.00000	0%	NIOSH
Tetrachloroethane	5.0000	0.00000	0.00000	Yes	0.00000	50%	OSHA
Tetrachloroethylene	100.0000	0.00037	0.00002	Yes	0.00001	50%	OSHA
Toluene	100.0000	0.00533	0.00035	Yes	0.00021	50%	NIOSH
1,1,1 - Trichloroethane	350.0000	0.00077	0.00006	Yes	0.00038	50%	NIOSH
Xylene	100.0000	0.00230	0.00015	Yes	0.00000	50%	OSHA

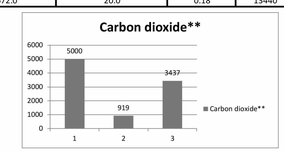
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Is IAQ acceptable at reduced outside air levels?	Yes

Zone Tag	Facility Type	Zone Use	Zone Floor Area (square ft) Az	Zone Max Occupancy Pz	Table 6.1 OA per Occupant Rp	Table 6.1 cfm/ft2 Ra	Pz * Rp Pz * Rp	Az * Ra Az * Ra	Table 6.2 Ventilation Effectiveness Ez	Outdoor Air to Zone (CFM) with Ez correction (Vbz/Ez)
109 GYMNASIUM	Educational Facilities	Gym, Sports Arena (Play Area)	7,890.0	672.0	20.0	0.18	13440	1420	0.8	18575
										OA required per VRP

Zone Height (feet)	23.0
Desired Outside Air (Vo) IAQP	3,360
Supply Air (Vs)	18,000
Return Air (Vr)	18000
Recirc. Flow Factor (R)	1.00
Ventilation Effectiveness (Ez)	0.8
Level of Physical Activity	**Moderate Exercise**
Filter Location	B
HVAC Flow Type	Constant
Outdoor Air Flow Type	Constant





***OSHA, NIOSH & WHO most conservative values used
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1 = ASHRAE & NIOSH C02 Limit
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Acetaldehyde	100.0	0.01115	0.00160	Yes	0.00130	50%	OSHA
Acetone	250.0	0.00206	0.00137	Yes	0.01759	50%	NIOSH
Ammonia	25.00	0.02782	0.03945	Yes	0.57710	50%	NIOSH
Benzene	1.0000	0.00253	0.00038	Yes	0.00059	50%	OSHA
2- Butanone (MEK)	200.0	0.00026	0.00026	Yes	0.00359	50%	NIOSH
Carbon dioxide**	5000	919	3437	Yes	1186	0%	NIOSH
Chloroform	2.0000	0.00011	0.00002	Yes	0.00011	50%	NIOSH
Dioxane	100.0	0.00000	0.00000	Yes	0.00000	50%	OSHA
Hydrogen Sulfide	10.0	0.00000	0.00000	Yes	0.00000	50%	NIOSH
Methane	NA	1.68094	1.68094	Yes	0.00000	0%	NA
Methanol	200.0	0.00000	0.00000	Yes	0.00000	0%	NIOSH
Methylene Chloride	25.0	0.00084	0.00032	Yes	0.00326	50%	OSHA
Propane	1000.0	0.00998	0.00998	Yes	0.00000	0%	NIOSH
Tetrachloroethane	5.0000	0.00000	0.00000	Yes	0.00000	50%	OSHA
Tetrachloroethylene	100.0000	0.00037	0.00005	Yes	0.00004	50%	OSHA
Toluene	100.0000	0.00535	0.00078	Yes	0.00085	50%	NIOSH
1,1,1 - Trichloroethane	350.0000	0.00080	0.00021	Yes	0.00156	50%	NIOSH
Xylene	100.0000	0.00230	0.00031	Yes	0.00000	50%	OSHA

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Is IAQ acceptable at reduced outside air levels?	Yes



PROJ. MGR.:	JWS
DRAWN:	CWM
DATE:	AUGUST 31, 2026
REVISIONS	

JOB NO. 25-70R

SHEET NO:
M0.5

5 OF 9

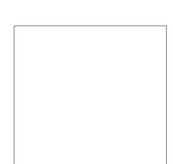
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PROJ. MGR.: JWS
DRAWN: CWM
DATE: AUGUST 31, 2026
REVISIONS

JOB NO. 25-70R
SHEET NO:
M0.6
6 OF 9

OSA CALCULATIONS

Room	Room Type	Rp	Pz	Ra	Az	Vbz	Ez	Voz	IAQP OSA	Provided OSA
		cfm / P	People	cfm/ft²	ft²	cfm		cfm	cfm	cfm
109 - GYM	Gym, sports arena (play area)	20	672	0.18	7,890	14,860	0.80	18,575	3,360	4,730
							Total Required by RTU-1&2:	18,575	3,360	
							Total Provided by RTU-1&2:			4,730

OSA CALCULATIONS

Room	Room Type	Rp	Pz	Ra	Az	Vbz	Ez	Voz	IAQP OSA	Provided OSA
		cfm / P	People	cfm/ft²	ft²	cfm		cfm	cfm	cfm
101 - LOBBY	Lobbies	5	24	0.06	754	165	0.80	207	120	300
102 - MEN TLT	Toilets-public	0	0	0.00	210	0	0.80	0	0	0
103 - MECH	Storage rooms	0	0	0.12	32	4	0.80	5	0	0
105 - WOMEN TLT	Toilets-public	0	0	0.00	391	0	0.80	0	0	0
106 - OFFICE	Office spaces	5	1	0.06	140	13	0.80	17	5	5
108 - CONCESSION	Kitchen (cooking)	7.5	4	0.12	249	60	0.80	75	20	20
							Total Required by RTU-3:	303	145	
							Total Provided by RTU-3:			325

EXHAUST AIR CALCULATIONS

# OF FIXTURES	# OF SHOWERS	EXHAUST RATE CFM/FT²	EXHAUST RATE CFM / FIXTURE	EXHAUST RATE CFM/ SHOWER	REQUIRED EXHAUST CFM	PROVIDED EXHAUST CFM
0	0	N/A	N/A	N/A	0	0
				Total Required Exhaust	0	
				Total Provided Exhaust		0

EXHAUST AIR CALCULATIONS

# OF FIXTURES	# OF SHOWERS	EXHAUST RATE CFM/FT²	EXHAUST RATE CFM / FIXTURE	EXHAUST RATE CFM/ SHOWER	REQUIRED EXHAUST CFM	PROVIDED EXHAUST CFM
0	0	N/A	N/A	N/A	0	0
3	0	N/A	70	N/A	210	210
0	0	N/A	N/A	N/A	0	0
5	0	N/A	70	N/A	350	350
0	0	N/A	N/A	N/A	0	0
0	0	N/A	N/A	N/A	0	0
				Total Required Exhaust	560	
				Total Provided Exhaust		560

EDVC CALCULATIONS (IHP-1) ASHRAE 15-2020 EQ 7-9

Room	Room Square Ft	Room Volume (Ft₃)	lbs of Refrigerant	F lfl	F occ	M def (lbs)	Pass	EDVC
108 CONCESSION	249	2,490	7.0 lbs	0.96	1.00	18.1	Y	17.38
Total Volume	**2,490**	**Total Charge**	**7.0 lbs**					

EDVC CALCULATIONS (RTU-1 & 2) ASHRAE 15-2020 EQ 7-8

Room	Room Square Ft	Room Volume (Ft3)	lbs of Refrigerant	LFL	CF	Pass	EDVC
GYM 109	7,890	78,900	72.0 lbs	0.0185	0.50	Y	729.83
Total Volume	**78,900**	**Total Charge**	**72.0 lbs**	**0.0185**	**0.50**	**Y**	**729.83**

EDVC CALCULATIONS (IHP-2) ASHRAE 15-2020 EQ 7-9

Room	Room Square Ft	Room Volume (Ft3)	lbs of Refrigerant	F lfl	F occ	M def (lbs)	Pass	EDVC
112 VESTIBULE	324	3,240	3.0 lbs	0.96	1.00	20.9	Y	20.06
Total Volume	**3,240**	**Total Charge**	**3.0 lbs**					

EDVC CALCULATIONS (RTU-3) ASHRAE 15-2020 EQ 7-8

Room	Room Square Ft	Room Volume (Ft3)	lbs of Refrigerant	LFL	CF	Pass	EDVC
101 - LOBBY	754	7,540	7.1 lbs	0.0185	0.50	Y	69.75
102 - MEN TLT	210	2,100	2.0 lbs	0.0185	0.50	Y	19.43
103 - MECH	32	320	0.3 lbs	0.0185	0.50	Y	2.96
105 - WOMEN TLT	391	3,910	3.7 lbs	0.0185	0.50	Y	36.17
106 - OFFICE	140	1,400	1.3 lbs	0.0185	0.50	Y	12.95
108 - CONCESSION	249	2,490	2.4 lbs	0.0185	0.50	Y	23.03
Total Volume	**17,760**	**Total Charge**	**16.8 lbs**	**0.0185**	**0.50**	**Y**	**164.28**

EDVC CALCULATIONS (IHP-3) ASHRAE 15-2020 EQ 7-9

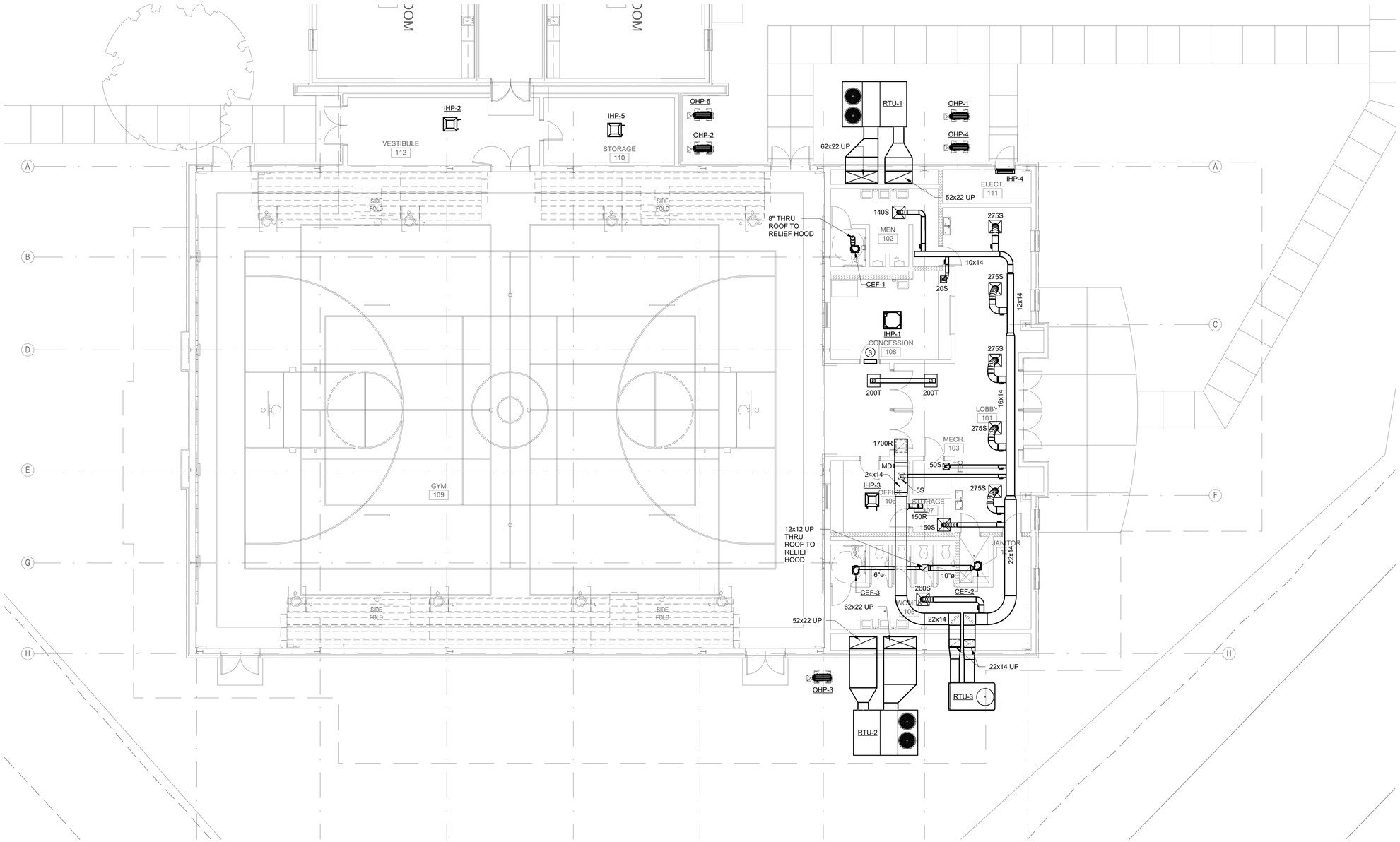
Room	Room Square Ft	Room Volume (Ft3)	lbs of Refrigerant	F lfl	F occ	M def (lbs)	Pass	EDVC
106 OFFICE	140	1,400	4.0 lbs	0.96	1.00	12.8	Y	12.29
Total Volume	**1,400**	**Total Charge**	**4.0 lbs**					

EDVC CALCULATIONS (IHP-4) ASHRAE 15-2020 EQ 7-9

Room	Room Square Ft	Room Volume (Ft3)	lbs of Refrigerant	F lfl	F occ	M def (lbs)	Pass	EDVC
111 ELEC	75	750	3.0 lbs	0.96	1.00	4.3	Y	4.13
Total Volume	**750**	**Total Charge**	**3.0 lbs**					

EDVC CALCULATIONS (IHP-5) ASHRAE 15-2020 EQ 7-9

Room	Room Square Ft	Room Volume (Ft3)	lbs of Refrigerant	F lfl	F occ	M def (lbs)	Pass	EDVC
110 STOR	221	2,210	3.0 lbs	0.96	1.00	4.3	Y	4.13
Total Volume	**2,210**	**Total Charge**	**3.0 lbs**					



1 MECHANICAL - FLOOR PLAN

1/8" = 1'-0"

0' 4' 8' 16' 24'

KEYED NOTES

1. ALL EXPOSED DUCTWORK SHALL HAVE PAINT GRIP FINISH (COLOR BY ARCHITECT).
2. EXPOSED SPIRAL DUCT TO BE DOUBLE WALL WITH 1" INSULATION BETWEEN THE SHELLS.
3. (2)-24x10 DOOR TRANSFER GRILLES BY OTHERS (SEE ARCH PLAN). BOTTOM OPENING OF GRILLE TO BE MAXIMUM 12" A.F.F. TO MEET ASHRAE 15.
4. PROVIDE METAL STAIRS TO STEP OVER DUCTWORK IF UNIT ACCESS IS REQUIRED ON WALL SIDE.

Dewberry
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(205) 988-2069
www.dewberry.com

Project Number :
50191964

LATHAN McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
MECHANICAL FLOOR PLAN

ALABAMA
No. 24747
PROFESSIONAL
08-31-2026
ENGINEER
JAMES WADE STEWART

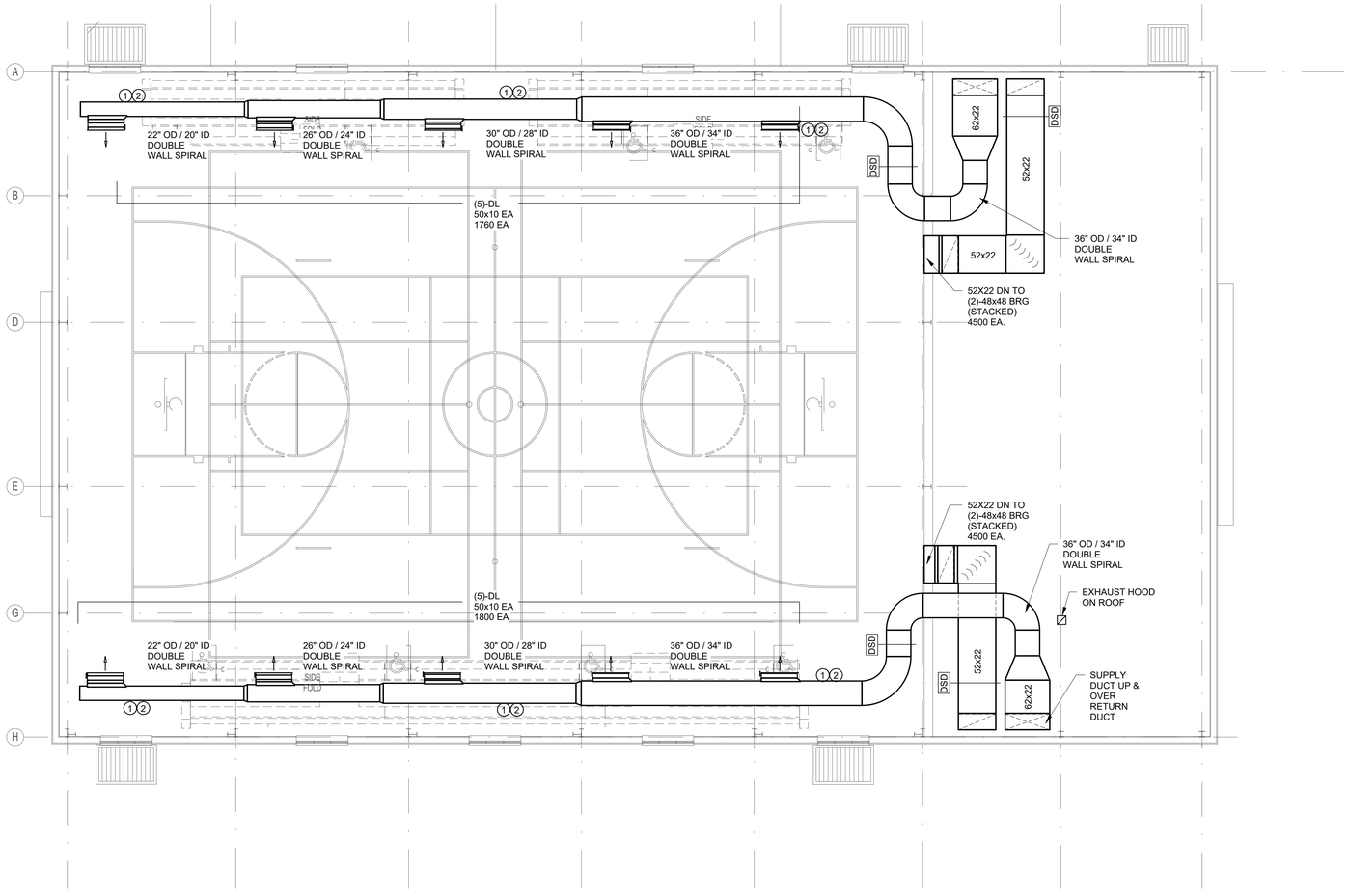
PROJ. MGR.:	JWS
DRAWN:	CWM
DATE:	AUGUST 31, 2026
REVISIONS	

JOB NO. 25-70R

SHEET NO:
M1.0

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Project Number :
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LATHAN
McKEE
ARCHITECTS



1 MECHANICAL - UPPER LEVEL PLAN

1/8" = 1'-0"

0' 4' 8' 16' 24'

KEYED NOTES

1. ALL EXPOSED DUCTWORK SHALL HAVE PAINT GRIP FINISH (COLOR BY ARCHITECT).
2. EXPOSED SPIRAL DUCT TO BE DOUBLE WALL WITH 1" INSULATION BETWEEN THE SHELLS.
3. (2)-24x10 DOOR TRANSFER GRILLES BY OTHERS (SEE ARCH PLAN). BOTTOM OPENING OF GRILLE TO BE MAXIMUM 12" A.F.F. TO MEET ASHRAE 15.
4. PROVIDE METAL STAIRS TO STEP OVER DUCTWORK IF UNIT ACCESS IS REQUIRED ON WALL SIDE.

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET . OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

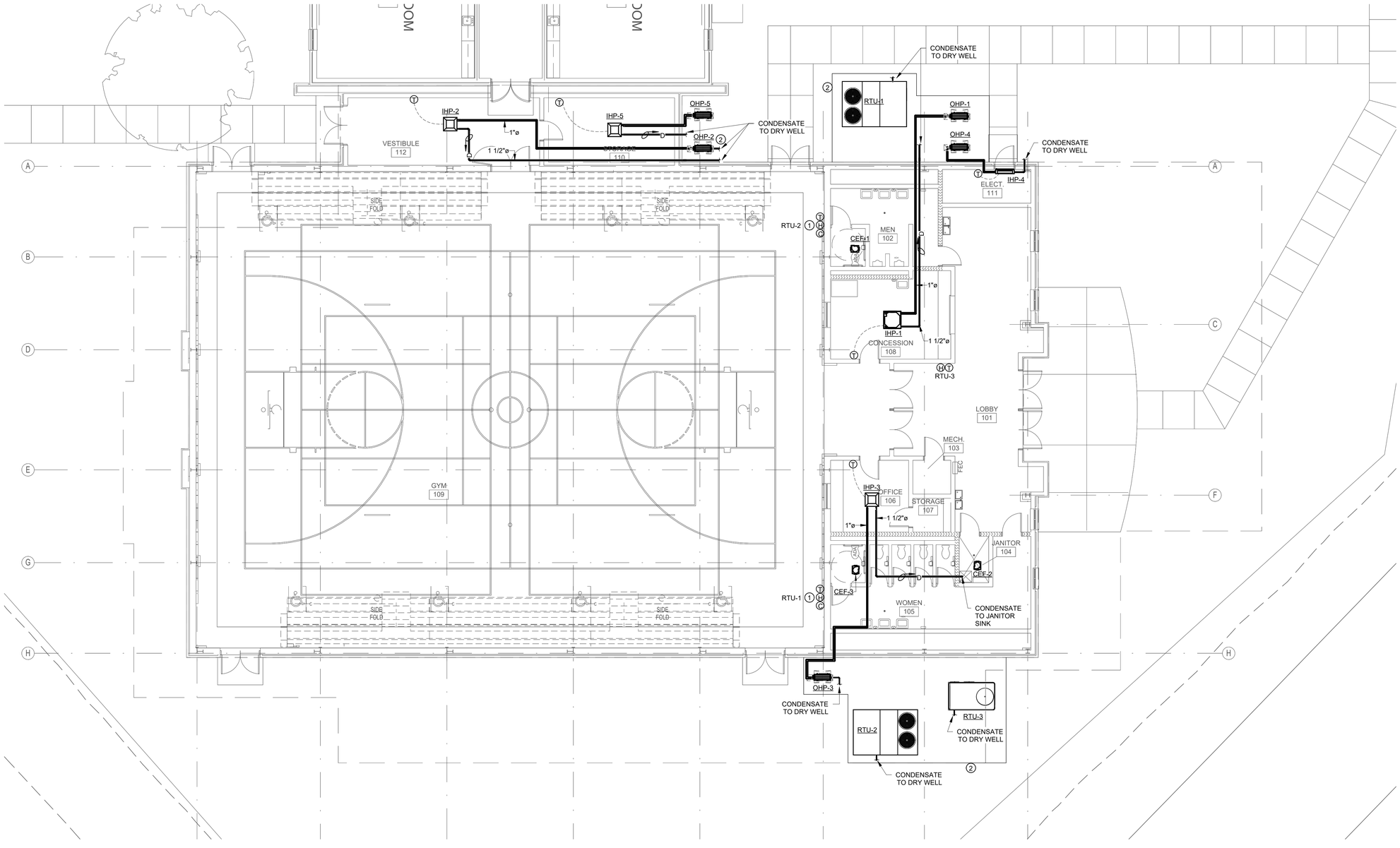
SHEET TITLE:
MECHANICAL UPPER LEVEL PLAN



PROJ. MGR.:	JWS
DRAWN:	CWM
DATE:	AUGUST 31, 2026
REVISIONS	

JOB NO. 25-70R

SHEET NO:
M1.1



1 MECHANICAL PIPING - FLOOR PLAN

1/8" = 1'-0"

0' 4' 8' 16' 24'

KEYED NOTES

1. THERMOSTAT AND CONTROL DEVICES ARE TO HAVE WIRE METAL GUARD.
2. 4" CONCRETE PAD.

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LATHAN McKEE ARCHITECTS

NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
MECHANICAL PIPING FLOOR PLAN

WADE STEWART
No. 24747
PROFESSIONAL
08-31-2026
ENGINEER

PROJ. MGR.:	JWS
DRAWN:	CWM
DATE:	AUGUST 31, 2026

REVISIONS

JOB NO. 25-70R

SHEET NO:
M2.0

LIGHTING FIXTURE SCHEDULE

MARK	MANUFACTURER	CATALOG NO.	LAMPS			MOUNTING HEIGHT	TYPE MOUNTING	RECESS DEPTH	REMARKS
			NO.	WATTS	TYPE				
A	METALUX	24CGT5535C	FURNISHED WITH FIXTURE			CEILING	RECESSED	2-1/8"	
A (EM)	METALUX	24CGT5535C-EL14W	FURNISHED WITH FIXTURE			CEILING	RECESSED	2-1/8"	SEE NOTE 1
B	METALUX	24CGT4535C	FURNISHED WITH FIXTURE			CEILING	RECESSED	2-1/8"	
B (EM)	METALUX	24CGT4535C-EL14W	FURNISHED WITH FIXTURE			CEILING	RECESSED	2-1/8"	SEE NOTE 1
C	PATHWAY LIGHTING	6VLFL2X-3000-35K-DA-6VLEDMD-SCLPF	FURNISHED WITH FIXTURE			CEILING	RECESSED	6"	
C (EM)	PATHWAY LIGHTING	6VLFL2X-3000-35K-DA-6VLEDMD-SCLPF-EM	FURNISHED WITH FIXTURE			CEILING	RECESSED	6"	SEE NOTE 1
D	METALUX	4SNLED-LD4-4600SL-LW-UNV-L840-CD1	FURNISHED WITH FIXTURE			VERIFY	CHAIN		
D (EM)	METALUX	4SNLED-LD4-4600SL-LW-UNV-EL14-L835-CD1	FURNISHED WITH FIXTURE			VERIFY	CHAIN		
F (EM)	PORTFOLIO	LDB8S0D010EM14-ER8850708040-8M2MWE	FURNISHED WITH FIXTURE			CEILING	RECESSED	6-1/2"	SEE NOTE 1
G	MCGRAW-EDISON	ISW-E02-LED-E1-BL4-BZ-TR	FURNISHED WITH FIXTURE			+9'	BRACKET		
G (EM)	MCGRAW-EDISON	ISW-E02-LED-E1-BL4-BZ-TR-BBB	FURNISHED WITH FIXTURE			+9'	BRACKET		SEE NOTE 1
H	MCGRAW-EDISON	TT-D5-740-U-MQ-BZ-F-TR	FURNISHED WITH FIXTURE			BOTTOM OF BEAM	SURFACE		
H (EM)	MCGRAW-EDISON	TT-D5-740-U-MQ-BZ-F-TR-IBP	FURNISHED WITH FIXTURE			BOTTOM OF BEAM	SURFACE		SEE NOTE 1
P	NLS LIGHTING	NV-1-T4-64L-1-40K-UNV-ASA-DB	FURNISHED WITH FIXTURE			+35'	POLE		HAPCO POLE SSS35D5-4-GC/82351 (1 HEAD) DB
X	SURE-LITES	EUX7-R-UNV	FURNISHED WITH FIXTURE			℄ ABOVE DOOR	BRACKET		

NOTES:
1. FEED ALL "EM" FIXTURES WITH SWITCHED AND UNSWITCHED HOT LEGS. UNSWITCHED HOT LEG IS USED FOR VOLTAGE SENSING.
2. VERIFY ALL FIXTURE COLORS WITH ARCHITECT PRIOR TO SUBMITTALS.
3. EQUAL FIXTURES BY LITHONIA, DAYBRITE, AND COLUMBIA WILL BE CONSIDERED APPROVED EQUALS.

GENERAL NOTES

1. SERVICE TO PROJECT IS 277/480 VOLTS, 3 PHASE, 4 WIRE.
2. VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL DRAWINGS BEFORE ROUGHING IN SWITCHES.
3. VERIFY EXACT LOCATION OF ALL MOTORS AND EQUIPMENT BEFORE ROUGHING IN.
4. CONTRACTOR TO VERIFY LOCATION OF ALL OUTLETS PRIOR TO INSTALLATION.
5. THE ELECTRICAL CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF COUNTERTOPS AND BACKSPLASHES ON ARCHITECTURAL DETAILS AND/OR CASEWORK SHOP DRAWINGS AND ADJUST SPECIFIED MOUNTING HEIGHT OF WALL OUTLETS AS REQUIRED TO AVOID CONFLICTS.
6. CONTRACTOR WILL CHECK ALL LIGHTING FIXTURES FOR EXACT TYPE MOUNTING AND SPACE REQUIRED BEFORE ROUGHING IN.
7. FURNISH AND INSTALL PLASTER FRAMES FOR ALL RECESSED FIXTURES AS REQUIRED.
8. SUPPORT OF ALL LIGHTING FIXTURES TO BE THE RESPONSIBILITY OF THIS CONTRACTOR. FIXTURES TO BE SUPPORTED INDEPENDENT OF CEILING FROM STRUCTURAL MEMBERS OF THE BUILDING.
9. ELECTRICAL CONTRACTOR MUST CHECK THE CORRESPONDING MECHANICAL SHEETS AND BE RESPONSIBLE FOR INCLUDING PROPER SERVICE AND CONNECTIONS TO ALL MECHANICAL ITEMS SHOWN THEREON REGARDLESS OF ITS BEING OR NOT BEING SHOWN ON ELECTRICAL SHEETS.
10. ALL CONDUIT SHALL BE CONCEALED UNLESS SPECIFICALLY SHOWN EXPOSED.
11. COORDINATE SERVICES WITH POWER AND COMMUNICATIONS COMPANIES. REMOVE OR RELOCATE ALL POWER AND COMMUNICATIONS CIRCUITS ABOVE OR BELOW GRADE THAT WOULD OBSTRUCT THE CONSTRUCTION OF THE PROJECT OR CONFLICT IN ANY MANNER WITH COMPLETION OF THE PROJECT OR ANY CODE PERTAINING THERETO. IF UTILITY COMPANY REQUIREMENTS ARE AT VARIANCE WITH THESE DRAWINGS AND SPECIFICATIONS, THE CONTRACT PRICE SHALL INCLUDE THE ADDITIONAL COST.
12. IT IS INTENDED THAT SPECIFICATIONS AND PLANS SHALL INCLUDE EVERYTHING REQUIRED AND NECESSARY FOR PROPER AND COMPLETE INSTALLATION OF THE COMPLETE SYSTEMS SHOWN EVEN THOUGH EVERY ITEM MAY NOT BE PARTICULARLY MENTIONED IN DETAIL. THE CONTRACTOR SHALL DELIVER TO OTHER TRADES ANY EQUIPMENT THAT MUST BE INSTALLED DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD MEASUREMENTS AND COORDINATION OF THE PHYSICAL SIZE OF ALL EQUIPMENT WITH THE ARCHITECTURAL REQUIREMENTS OF THE SPACES INTO WHICH THE EQUIPMENT WILL BE INSTALLED.
13. THIS CONTRACTOR SHALL INSTALL EQUIPMENT GROUNDS THROUGHOUT THIS PROJECT, USING GREEN INSULATED GROUND WIRE. USE OF CONDUIT AS THE ONLY GROUND CONDUCTOR WILL NOT BE ALLOWED. (SIZE GROUND WIRES PER N.E.C.)
14. FOR ALL CONDUITS PASSING THROUGH RATED WALLS: PROVIDE FIRESTOPPING FOR RACEWAYS PENETRATING THROUGH RATED WALLS IN ACCORDANCE WITH NEC 300.21. PROVIDE ACCORDINGLY TO MAINTAIN FLOOR AND/OR WALL FIRE ASSEMBLY DESIGN AS INDICTATED ON THE ARCHITECTURAL DRAWINGS AND AS REQUIRED.
15. FUSE SIZES SHALL BE COORDINATED WITH MECHANICAL. PROVIDE FUSE SIZES THAT ARE EQUAL TO THE MOCP OF THE UNIT. WHERE THE MOCP DOES NOT CORRESPOND WITH A SIZE LISTED IN NEC 240.6, PROVIDE THE NEXT SIZE DOWN.

CODE EXCEPTION NOTE

THIS PROJECT HAS BEEN DESIGNED UNDER ASHRAE 90.1 2013, EXCEPT AS FOLLOWS: WE TAKE EXCEPTION TO SECTION 8.4.2 FOR REQUIRING CONTROLLED RECEPTACLES, AND SECTION 8.4.3 FOR REQUIRING ENERGY MONITORING. WE OFFICIALLY REQUEST THAT THIS PROJECT BE APPROVED WITHOUT THOSE ITEMS.

CODES AND STANDARDS

* 2021 INTERNATIONAL BUILDING CODE (IBC)
* 2021 INTERNATIONAL PLUMBING CODE (IPC)
* 2021 INTERNATIONAL MECHANICAL CODE (IMC)
* 2020 NATIONAL ELECTRIC CODE (NFPA 70)
* 2021 INTERNATIONAL FIRE CODE (IFC)
* 2019 NATIONAL FIRE CODE AND SIGNALING CODE (NFPA 72)
* 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
* ASHRAE 90.1 2013 (WITH EXCEPTIONS)

FIRE ALARM SYSTEM NOTES

1. PROVIDE FIRE ALARM COMPLETION DOCUMENTS AT THE STATE FINAL INSPECTION. THIS ITEM WILL BE REQUIRED BY STATE BUILDING INSPECTOR AT THE TIME OF FINAL INSPECTION (OLD CERTIFICATION FORM).
2. ADDITIONS AND ALTERATIONS TO THE FIRE ALARM SYSTEM REQUIRE TESTING, A RECORD OF COMPLETION, AND RECERTIFICATION. ALL FIRE ALARM WORK SHALL BE PERFORMED BY QUALIFIED PERSONNEL AS DEFINED IN NFPA-72 (2019) 10.4, 10.5, AND 10.18.
3. ALL WORK SHALL BE PERFORMED BY A CERTIFIED FIRE ALARM CONTRACTOR.
4. NEW DEVICES SHALL MATCH EXISTING AND BE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM. EXISTING SYSTEM IS BY NOTIFIER. FIELD VERIFY ALL COMPONENTS TO CONNECT TO AND PROVIDE ALL NECESSARY COMPENENTS FOR A COMPLETE ADDITION TO THE SYSTEM.
5. PROVIDE ALL DEVICES, COMPONENTS, AND MODULES NECESSARY FOR DEVICE SYNCHRONIZATION TO THE EXISTING FIRE ALARM DEVICES THROUGHOUT THE BUILDING.
6. FOR ALL DUCT DETECTORS, PROVIDE REMOTE TEST SWITCHES AND RELAYS FOR UNIT SHUTDOWN.

ELECTRICAL SYMBOLS

ALL RECEPTACLES SHALL BE TAMPER RESISTANT

- A_a^1 — CEILING OUTLET – FIXTURE "A", CIRCUIT 1, SWITCH a.
- CEILING OUTLET – LED FIXTURE.
- CEILING OUTLET – LED INDUSTRIAL OR STRIP TYPE.
- WALL OUTLET – LED BRACKET TYPE.
- WALL OUTLET – LED BRACKET TYPE.
- WALL OUTLET – DUPLEX OUTLET, 20A, 125V, GROUNDED, PASS & SEYMOUR PT5362A-GRY WITH PT6STR PLUG TAIL CONNECTOR. ("D" DENOTES DOUBLE DUPLEX)
- WALL OUTLET – DUPLEX OUTLET, 20A, 125V, GROUNDED, PASS & SEYMOUR PT5362A-GRY WITH PT6STR PLUG TAIL CONNECTOR – MOUNT AT 6" ABOVE COUNTER.
- GFCI — WALL OUTLET – DUPLEX OUTLET, 20A, 125V, GROUNDED, PASS & SEYMOUR PT2095-GRY WITH PT6STR PLUG TAIL CONNECTOR.
- WP GFCI — WALL OUTLET – DUPLEX OUTLET, 20A, 125V, GROUNDED, WEATHERPROOF, PASS & SEYMOUR PT2095-GRY WITH PT6STR PLUG TAIL CONNECTOR. INSTALL #WIUC10-CAGV WEATHERPROOF COVER. DEVICE SHALL BE LABELED AS "EXTRA DUTY".
- WALL OUTLET – SINGLE OUTLET, 20A, 125V, 3W, TWISTLOCK BY HUBBELL OR APPROVED EQUAL.
- FLOOR OUTLET – CONDUIT STUB UP.
- CEILING OUTLET – JUNCTION BOX.
- WALL OUTLET – JUNCTION BOX WITH FLEXIBLE CONNECTION TO EQUIPMENT.
- $ — SWITCH OUTLET – AC TYPE, SINGLE POLE, 20A, 120/277V, HUBBELL #1221 – GREY.("N" DENOTES NARROW)
- $_D — SWITCH OUTLET – FLUORESCENT DIMMER – LUTRON NOVA-T SERIES #NTF-103P.
- $_2 — SWITCH OUTLET – AC TYPE, TWO POLE, 20A, 120/277V, HUBBELL #1222 – GREY.
- $_3 — SWITCH OUTLET – AC TYPE, THREE WAY, 20A, 120/277V, HUBBELL #1223 – GREY.
- $_4 — SWITCH OUTLET – AC TYPE, FOUR WAY, 20A, 120/277V, HUBBELL #1224 – GREY.
- $_M — SWITCH MANUAL MOTOR STARTER, SINGLE POLE WITH OVERLOAD PROTECTION.
- $_P — SWITCH OUTLET – AC TYPE, SINGLE POLE, 20A, 120/277V, HUBBELL #12211LC.
- LIGHTING PANEL – SEE SPECIFICATIONS AND SCHEDULE.
- POWER PANELS – SEE SPECIFICATIONS AND SCHEDULE.
- BRANCH CIRCUIT CONCEALED IN WALL OR CEILING.
- BRANCH CIRCUIT CONCEALED IN FLOOR OR GROUND.
- HOMERUN TO PANELBOARD – ANY CIRCUIT WITHOUT FURTHER DESIGNATION 2 # 12 & 1 # 12(G) – 1/2" CONDUIT. 3 # 12 & 1 # 12(G) – 3/4" CONDUIT. 4 # 12 & 1 # 12(G) – 3/4" CONDUIT.
- —E— EMPTY CONDUIT – 3/4".
- BRANCH CIRCUIT EXPOSED.
- CONDUIT RUN DOWN WALLS, CONCEALED
- CONDUIT RUN UP WALLS, CONCEALED
- (5) MOTOR SHOWN 5hp (TYPICAL) OR (20) 40 AMPS (TYPICAL).
- (f) EXHAUST FAN MOTOR – FRACTIONAL HORSEPOWER.
- MAGNETIC MOTOR STARTER.
- NON-FUSED DISCONNECT SWITCH. (RT – RAINTIGHT).
- FUSED DISCONNECT SWITCH.
- A.F.F. ABOVE FINISHED FLOOR.
- VER. VERIFY LOCATION.
- N.E.C. NATIONAL ELECTRICAL CODE.
- GFCI GROUND FAULT CIRCUIT INTERRUPTER
- WP WEATHER PROOF
- IG ISOLATED GROUND
- FIRE ALARM – SMOKE DETECTOR – SEE SPEC.
- $_D$ — FIRE ALARM – DUCT DETECTOR – SEE SPEC.
- $_H$ — FIRE ALARM – HEAT DETECTOR – SEE SPEC.
- F — FIRE ALARM – MANUAL PULL STATION – SEE SPEC.
- F — FIRE ALARM – STROBE LIGHT – SEE SPEC.
- S — FIRE ALARM – SPEAKER STROBE – SEE SPEC.
- FACP FIRE ALARM CONTROL PANEL – EXISTING – SEE SPEC.
- F.A.A. FIRE ALARM ANNUNCIATOR – SEE SPEC.
- SSR-G SOUND SYSTEM RACK – GYMNASIUM – SEE SPEC.
- SS — SOUND SYSTEM – GYM SPEAKER – SEE SPEC.
- COMPUTER OUTLET – CAT 6 CABLE WITH CAT 6 CONNECTORS – SEE SPEC. (3/4" CONDUIT UNLESS OTHERWISE SPECIFIED)
- COMPUTER OUTLET – CAT 6 CABLE WITH CAT 6 CONNECTORS – SEE SPEC. (3/4" CONDUIT UNLESS OTHERWISE SPECIFIED)-MOUNT 6" ABOVE COUNTER-SEE SPEC.
- $_{OR} — LIGHTING CONTROL PANEL OVERRIDE SWITCH – DIGITA 5-1B
- $_{MS} — WALL SWITCH WITH BUILT IN MOTION SENSOR – COOPER #OSW-P-0451-W WITH WALL PLATE
- M — MOTION SENSOR WIRING – LOW VOLTAGE WIRING (#14 THHN AS REQUIRED)
- D — ROOM CONTROL DATA WIRING – CAT 6 CABLING AS REQUIRED
- CCTV SYSTEM – FUTURE CAMERA LOCATION – ABOVE CEILING SHALL BE 1 CAT 6 CABLE CONNTECTED TO IDF (IN 3/4" CONDUIT WHEN NOT ABOVE CEILING).
- FLOOR BOX – COMBINATION EMPTY / DATA / POWER OUTLET. PROVIDE WITH TWO DUPLEX OUTLETS AND EMPTY COMPARTMENTS FOR DATA AND POWER (WIREMOLD EFB10S BOX WITH EFB10SM COMPARTMENTS EFB10-B, EFB10-DP, EFB10-DEC PLATES AS REQUIRED AND EFB10S-DIVIDERS AS REQUIRED AND EFB610BTBZ COVER).

COLOR CODE FOR JUNCTION BOXES

NOTE:
PAINT ALL JUNCTION BOXES AND COVERS WITH COLORS AS SHOWN BELOW. PAINTING COVERS ONLY IS NOT ACCEPTABLE.

FUNCTION:	COLOR:
LIGHTING	BLUE
POWER	GREEN
FIRE ALARM	RED
MISC. AUXILIARIES (SOUND, ETC.)	BROWN

COLOR CODE FOR ELECTRICAL WIRING

1. 277/480 V, 60Hz, 3 PHASE, 4 WIRE SYSTEM
   PHASE A-BROWN
   B-ORANGE
   C-YELLOW
   N-GRAY
2. 120/208 V, 60Hz, 3 PHASE, 4 WIRE SYSTEM
   PHASE A-BLACK
   B-RED
   C-BLUE
   N-WHITE
3. GROUND-GREEN

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Project Number:
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LATHAN McKEE ARCHITECTS

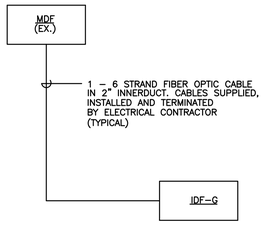
NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
SCHEDULES, SYMBOLS, AND NOTES

ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 51403
9-31-26
ALFRED MICHAEL MAIOLA

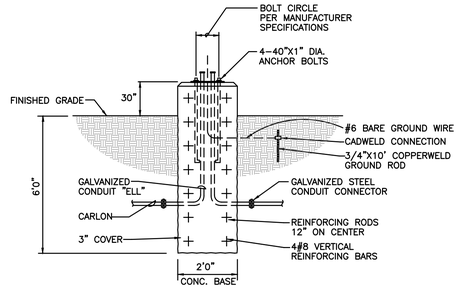
PROJ. MGR.: S. CRAWFORD
DRAWN: SEC
DATE: AUGUST 31, 2026
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JOB NO. 25-70R
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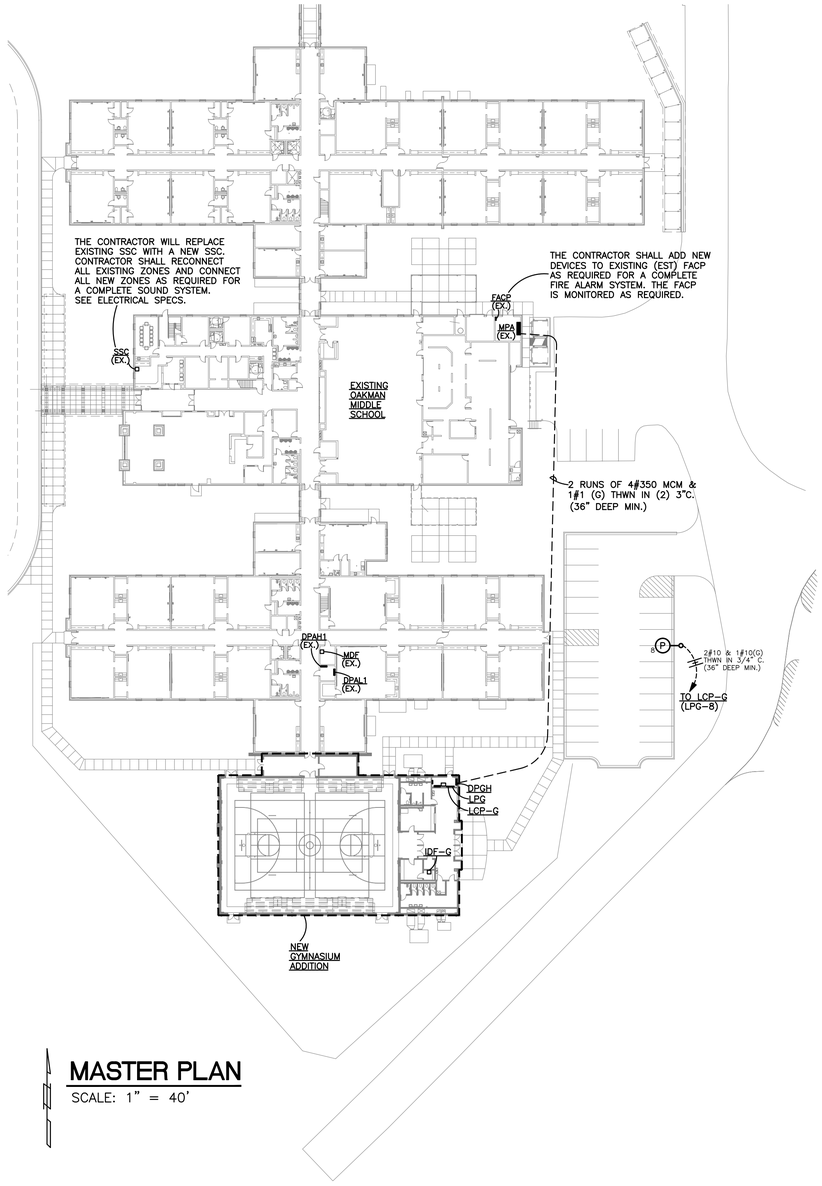
MDF FIBER OPTIC CABLE RISER DIAGRAM

N.T.S.



DETAIL – POLE BASE

N.T.S. ("P" FIXTURE)



MASTER PLAN

SCALE: 1" = 40'

PANELBOARD SCHEDULE

MARK	TYPE	MAINS			BRANCHES					LUG LOCATION	TYPE MOUNTING	AREA PANEL LOCATED	AVAILABLE FAULT CURRENT	REMARKS
		TYPE	AMPS	SERVICE	1 POLE	2 POLE	3 POLE	SPARES	SPACES					
DPGH	I–LINE	M/B	600	277/480V 3ø, 4W			1–45 1–60 1–100 2–150 1–200		5–3PS	BOTTOM	SURFACE	ELEC 119	17,000	SEE NOTES 1, 2, & 3
LPG	NF	LUGS	100	277/480V 3ø, 4W	8–20			6–20/1	16–1PS	BOTTOM	SURFACE	ELEC 119	16,000	SEE NOTES 1, 2, & 3
PPGL	I–LINE	M/B	400	120/208V 3ø, 4W	8–20 1–30	4–20 1–25 1–30	3–20 1–225		5–3PS	BOTTOM	SURFACE	ELEC 119	10,000	SEE NOTES 1, 2, & 3
RPG	NQOD	LUGS	225	120/208V 3ø, 4W	29–20			6–20/1	7–1PS	BOTTOM	SURFACE	ELEC 119	10,000	SEE NOTES 1, 2, & 3

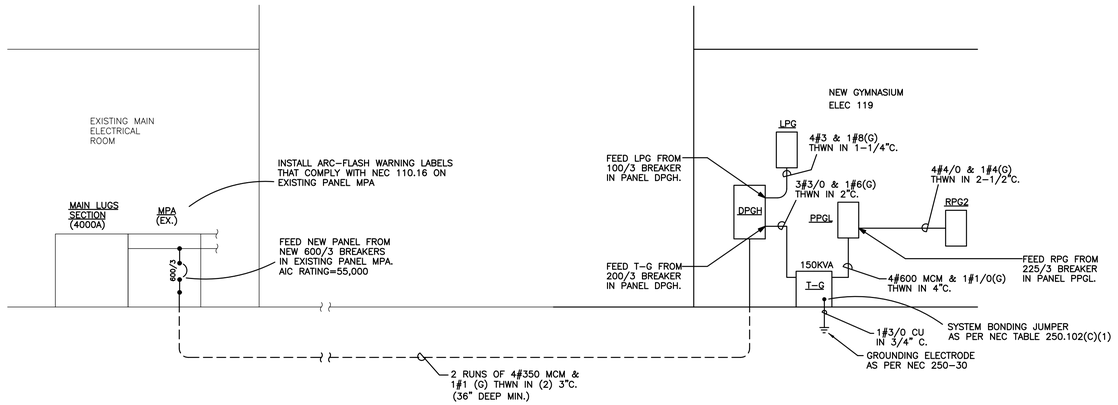
NOTES:
1. ALL PANELBOARDS SHALL BE CAPABLE OF WITHSTANDING AND INTERRUPTING THE AVAILABLE FAULT CURRENTS AS LISTED ABOVE.
2. ALL PANELBOARDS SHALL HAVE MICARTA LABELS SHOWING PANELBOARD DESIGNATION, AND OPERATING VOLTAGE. I–LINE PANELBOARDS SHALL ALSO HAVE MICARTA LABELS AT EACH BREAKER.
3. NO SERIES RATING WILL BE ALLOWED ON ANY PANELBOARDS.

PANELBOARD NOTES:
1. MANUFACTURER OF SWITCHBOARDS AND/OR PANELBOARDS SHALL PERFORM FAULT CURRENT CALCULATIONS, COORDINATION STUDY, AND ARC FLASH HAZARD ANALYSIS, AND LABEL ALL SWITCHBOARDS AND/OR PANELBOARDS, IN ACCORDANCE WITH NFPA 70E–2021 (ARTICLE 130) AND NFPA 70–2020 (ARTICLE 110.16).
2. CONTRACTOR SHALL FIELD MARK ELECTRICAL SERVICE EQUIPMENT WITH A CONSPICUOUS AND PERMANENT LABEL THAT INDICATES THE AVAILABLE FAULT CURRENT PER NEC 110.24.
3. CONTRACTOR SHALL FIELD MARK ELECTRICAL PANELS WITH A CONSPICUOUS AND PERMANENT LABEL THAT INDICATES WHERE PANELS ARE FED FROM PER NEC 408.4(B).

TRANSFORMER SCHEDULE

MARK	SIZE	PRIMARY	SECONDARY	MANUFACTURER	CATALOG NUMBER	REMARKS
T–G	150 KVA	480V 3ø DELTA	120/208V 3ø, 4W, WYE	SQUARE D	150T3H	SEE NOTE 1

NOTES:
1. BOND TRANSFORMER LOWSIDE NEUTRAL TO THE TRANSFORMER CASE, TO THE "INCOMING" AND "OUTGOING" GROUND WIRES, AND TO GROUNDING ELECTRODE (AS PER NEC 250–30) AT EACH TRANSFORMER, USING #3/0 CU.



ELECTRICAL SINGLE LINE DIAGRAM

N.T.S.

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Alfred Maiola, P.E.
Alabama Reg. 51403

Project Number:
2692

LATHAN McKEE ARCHITECTS

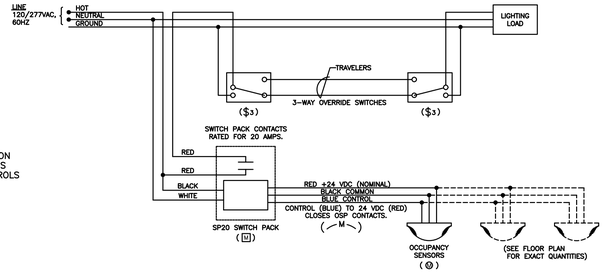
NEW GYMNASIUM FOR
OAKMAN MIDDLE SCHOOL
142 SCHOOL STREET, OAKMAN, ALABAMA 35579
WALKER COUNTY BOARD OF EDUCATION

SHEET TITLE:
MASTER PLAN AND SINGLE LINE DIAGRAM

ALABAMA LICENSED No. 51403 PROFESSIONAL 8-31-26 ENGINEER ALFRED MICHAEL MAIOLA

PROJ. MGR.: S. CRAWFORD
DRAWN: SEC
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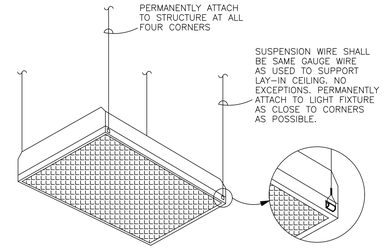
OCCUPANCY SENSOR - 3 WAY

USING POWER PACK SENSORS IN A 3-WAY SWITCHED CIRCUIT

NOT TO SCALE

ENERGY CODE NOTES:

1. LIGHTING INSTALLED WITH MOTION SENSORS SHALL HAVE THE REQUIRED CONNECTION TO THE PUSH BUTTON WALL STATION AND MOTION SENSORS TO ACCOMPLISH PARTIAL-ON AND MANUAL-ON. MOTION SENSORS AND WALL STATION SHALL ALSO HAVE CONNECTIONS FOR BI-LEVEL LIGHTING WHERE REQUIRED. VERIFY ALL CONTROLS WITH LIGHTING CONTROLS MANUFACTURER DURING SITE VISIT FROM FACTORY TRAINED REPRESENTATIVE.



DETAIL - LIGHT FIXTURE SUPPORT

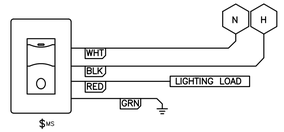
N.T.S.

(5) 6"x6"x6"D RECESSED HOFFMAN BOXES (GSB-1,2,3,4,5) WITH KEYED COVER AND COOPER SWITCH STATIONS AND OVERRIDE SWITCHES MOUNTED INSIDE COOPER SWITCH STATION (2)GDS-2TSB-W (2 ZONES) (SEE DETAIL FOR ZONES)
COOPER OVERRIDE SWITCH FOR LCP-G (1 BUTTON WITH 4HR)
WIRE TO LCP-G AS REQUIRED

CONTRACTOR SHALL PROGRAM LIGHTING RELAY CABINET FOR COMPLETE OPERATION BY OWNER. CONTRACTOR SHALL COORDINATE WITH OWNER ON ALL OVERRIDE CAPABILITIES AS WELL AS THE "NORMAL TIME OF OPERATION" FOR NORMAL DAY TO DAY TIME. CONTRACTOR SHALL INSTALL CLASS 2/PELV LOW VOLTAGE WIRING TO (2) CONTROL STATIONS.

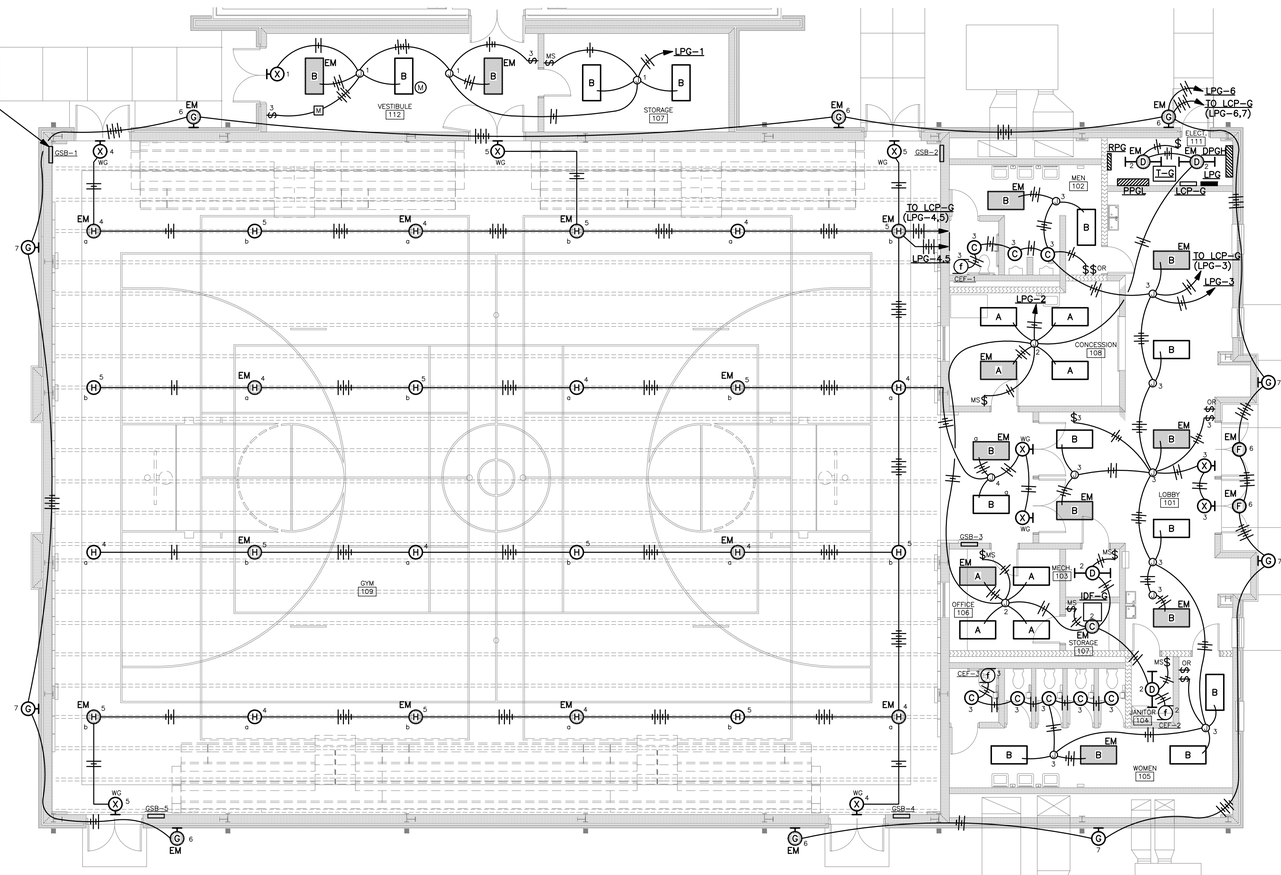
CONTRACTOR SHALL SUPPLY OWNER WITH TRAINING BY FACTORY REPRESENTATIVE FOR COMPLETE SYSTEM OPERATION AND PROGRAMMING FOR ALL LIGHTING CONTROL RELAY PANELS

SITE VISIT NOTE:
CONTRACTOR SHALL INCLUDE IN BID PRICE A TOTAL OF (3) SITE VISITS FROM FACTORY TRAINED REPRESENTATIVE FOR LIGHTING CONTROL SYSTEM INSTALLATION, PROGRAMMING, AND TRAINING.



DETAIL - WALL SWITCH OCCUPANCY SENSOR

NOT TO SCALE



FLOOR PLAN - LIGHTING

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

NOTES:
1. ALL WIRING SHOWN FEEDING EXTERIOR FIXTURES SHALL BE #10 THWN.
2. ALL WIRING ASSOCIATED WITH LIGHTING CONTROL RELAY PANELS SHALL BE #10 THWN UNLESS OTHERWISE NOTED.

RELAY PANEL LCP-G

R	PANEL	CIRCUIT	PROGRAM MODE	
1	LPG	3	NORMAL DAY-TO-DAY	
2	LPG	4 ZONE 1	NORMAL DTD (SWITCH "a")	----- GYM PUSHBUTTON 1
3	LPG	5 ZONE 2	NORMAL DTD (SWITCH "b")	----- GYM PUSHBUTTON 2
4	LPG	6	EXTERIOR DUSK TO DAWN	
5	LPG	7	EXTERIOR DUSK TO MIDN.	
6	LPG	8	EXTERIOR DUSK TO DAWN	
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				

COOPER GREENGATE RELAY CABINET (NETWORKABLE)
CONTROLKEEPER 16 (CKT16) WITH 16 RELAYS

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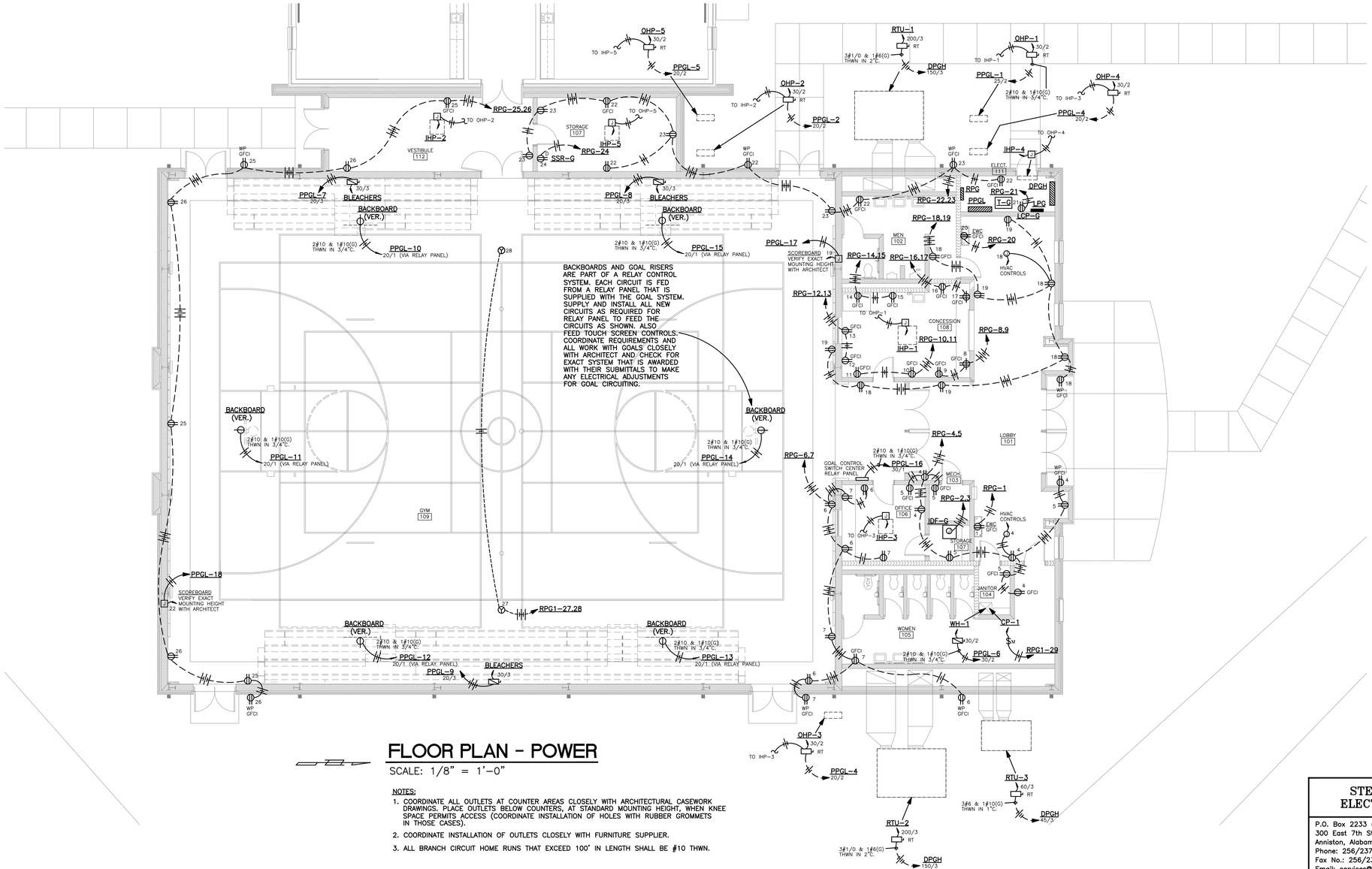
NEW GYMNASIUM FOR
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SHEET TITLE:
FLOOR PLAN - LIGHTING

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 51403 ALFRED MICHAEL MAIOLA III 9-31-26

PROJ. MGR.: S. CRAWFORD
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FLOOR PLAN - POWER

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

NOTES:

1. COORDINATE ALL OUTLETS AT COUNTER AREAS CLOSELY WITH ARCHITECTURAL CASEWORK DRAWINGS. PLACE OUTLETS BELOW COUNTERS, AT STANDARD MOUNTING HEIGHT, WHEN KNEE SPACE PERMITS ACCESS (COORDINATE INSTALLATION OF HOLES WITH RUBBER GROMMETS IN THOSE CASES).
2. COORDINATE INSTALLATION OF OUTLETS CLOSELY WITH FURNITURE SUPPLIER.
3. ALL BRANCH CIRCUIT HOME RUNS THAT EXCEED 100' IN LENGTH SHALL BE #10 THWN.

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NEW GYMNASIUM FOR
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SHEET TITLE:
FLOOR PLAN - POWER

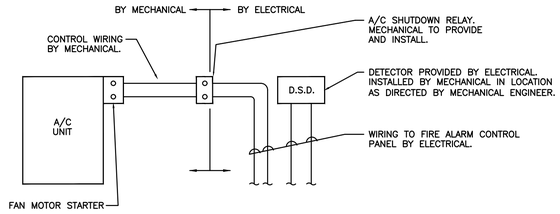
ALABAMA LICENSED No. 51403 PROFESSIONAL ENGINEER ALFRED MICHAEL MAIOLA 9-31-26

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JOB NO. 25-70R

SHEET NO:
E4.1
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0 1" 2"



DETAIL - DUCT SMOKE DETECTOR CONNECTION

N.T.S.

AUXILIARY CIRCUIT LEGEND

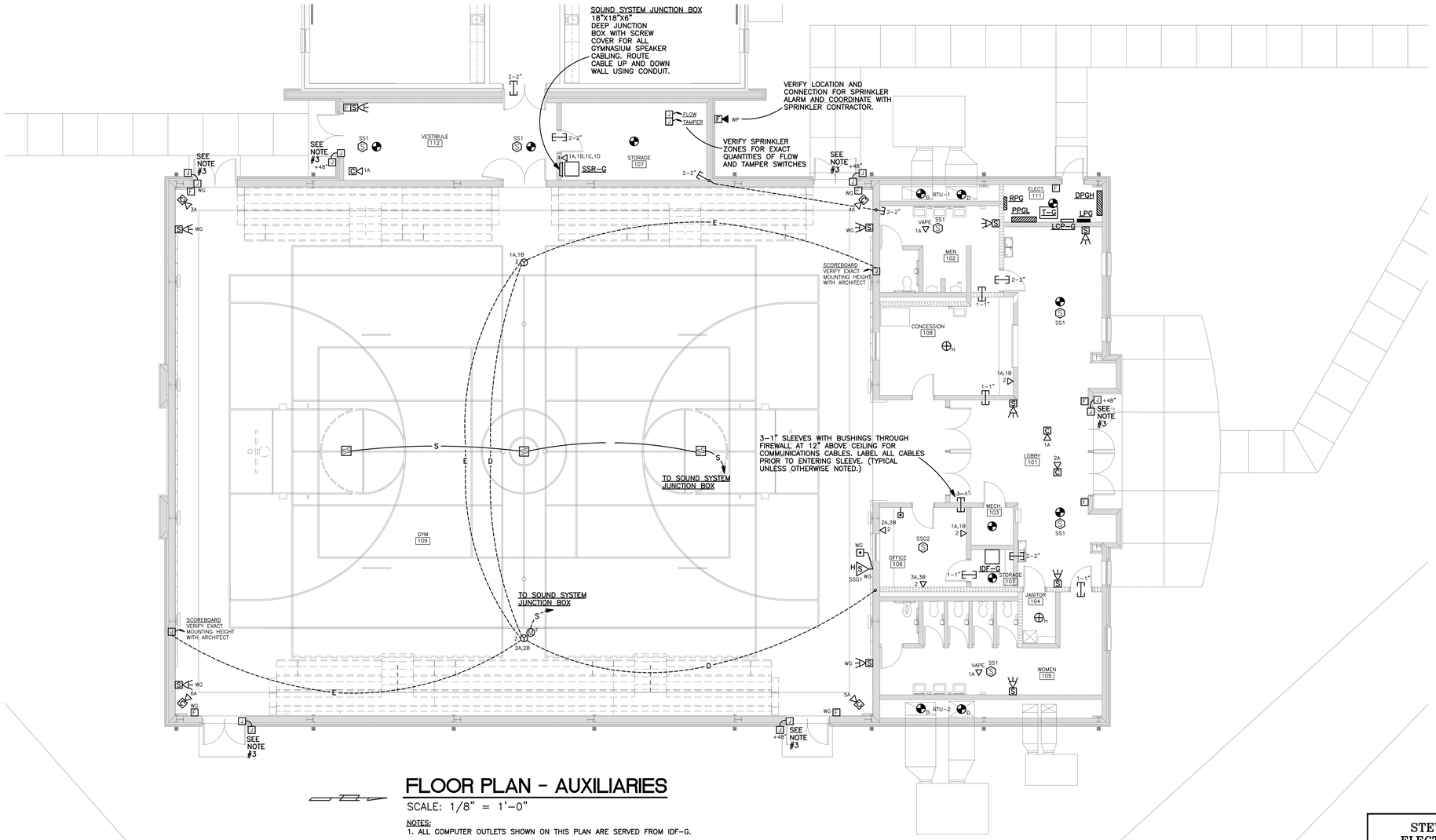
SS1 (S)	SPEAKER – FED FROM COMMON ZONE SS1
2A	DATA OUTLET 2A (1 CAT. 6 CABLE PULLED TO JUNCTION BOX AND TERMINATED, LEAVE 12" SLACK ON EACH CABLE)
SSG6 (S)	SPEAKER – FED FROM INDIVIDUAL ZONE SSG6

OUTLET NUMBER:	ROOM NUMBER:
2A	106
IDF NUMBER:	PATCH PANEL/PORT #:
IDF-G	1 / 1

DETAIL - DATA CABLE LABEL

N.T.S.

NOTES:
1. LABEL ALL CABLES EVERY 50' AND AT EACH END.
2. EXACT LABEL METHOD SHALL BE COORDINATED WITH, AND APPROVED BY, ENGINEER PRIOR TO PURCHASE AND INSTALLATION.
3. IF ONLY ONE (1) OUTLET IN A ROOM, LABEL OUTLET AS 1A.
4. ROOM NUMBERS ON LABELS SHALL CORRESPOND TO FINAL ROOM NUMBERS IN FIELD (NOT NECESSARILY SAME AS ON CONSTRUCTION DRAWINGS).



FLOOR PLAN - AUXILIARIES

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

NOTES:
1. ALL COMPUTER OUTLETS SHOWN ON THIS PLAN ARE SERVED FROM IDF-G.
2. COORDINATE FINAL LOCATIONS OF ALL CEILING SPEAKERS, SMOKE DETECTORS, CAMERAS, ETC. TO AVOID CONFLICT WITH LIGHT FIXTURES AND MECHANICAL DIFFUSERS. PLACE THESE DEVICES AS CLOSE AS POSSIBLE TO LOCATION SHOWN ON THESE DRAWINGS. COORDINATE WITH FIRE ALARM SYSTEM MANUFACTURER WITH REGARD TO APPROPRIATE "MINIMUM" DISTANCE FROM DIFFUSERS.
3. AT THESE DOOR LOCATIONS, CONTRACTOR SHALL INSTALL EMPTY JUNCTION BOX WITH 3/4" EMPTY CONDUIT WITH PULL STRING TO ABOVE LAY-IN CEILING FOR FUTURE CARD ACCESS SYSTEM. COORDINATE CLOSELY WITH ARCHITECT FOR DOOR HARDWARE CONFIGURATION.

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FLOOR PLAN – AUXILIARIES

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