STATE OF ALABAMA
No. 3365
RICK N. LATHAN
REGISTERED ARCHITECT

LATHAN ARCHITECTS

300 CHASE PARK SOUTH • SUITE 200 • HOOVER, ALABAMA 35244
205-988-9112

ADDENDUM NO. 4
NEW GYMNASIUM FOR BARKLEY BRIDGE ELEMENTARY SCHOOL
Architect Job No. 24-107
April 30, 2025
DCM # 2025141

BIDS DUE:
Thursday, May 1, 2025, until
2:00 p.m., local time, held at
Hartselle City Board of Education
305 College Street, NE
Hartselle, AL 35640

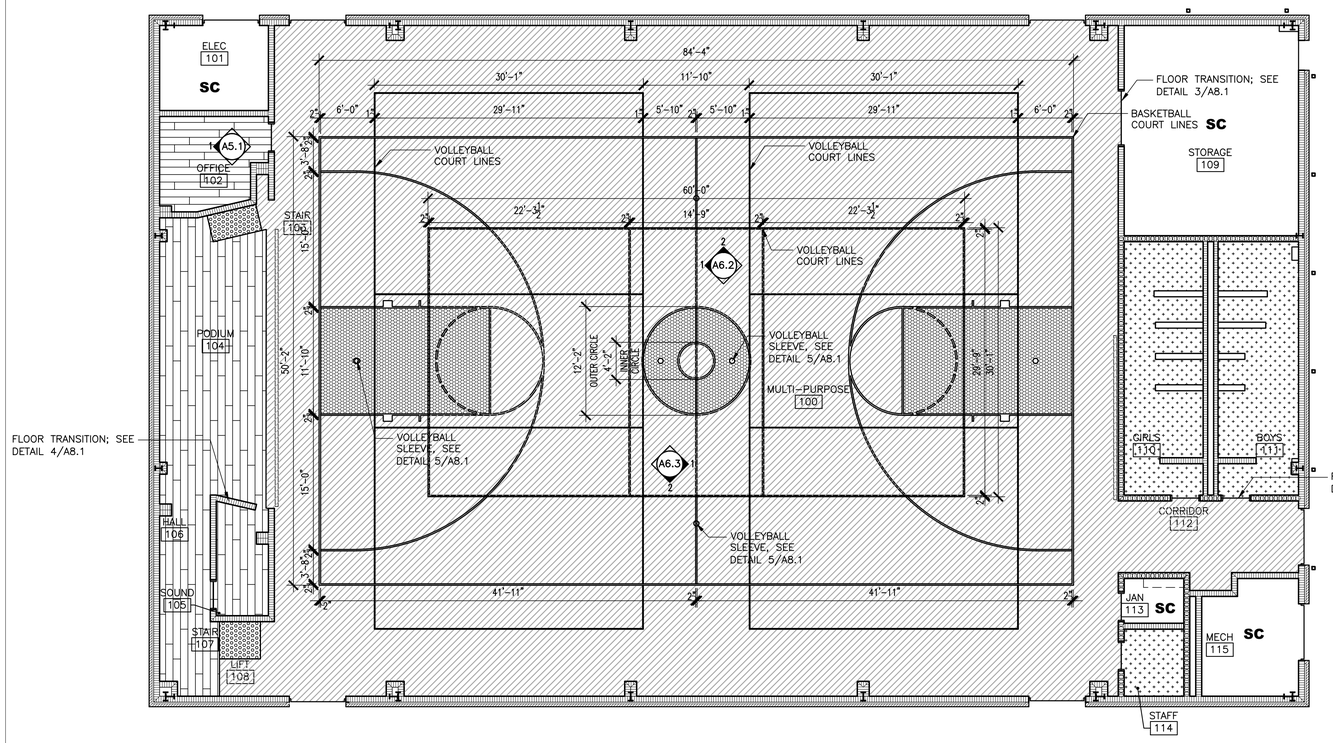
The Plans and Specifications are here by amended. The following supersedes all contrary and/or conflicting information and is made part of the contract documents.

DRAWINGS

1. REVISED Sheet **A8.1** – Updated Finish Schedule.

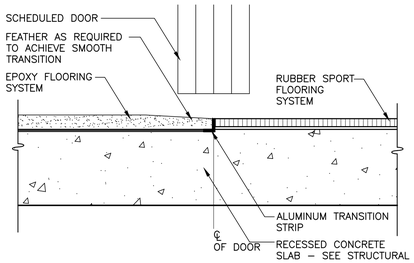
2. REVISED Sheet **S1.3** – Added typical “Masonry Wall Support at Roof” detail.

2. REVISED Sheet **S2.3** – Updated note on plain to read “*SEE TYPICAL DETAIL ON SHEET S1.3*”.



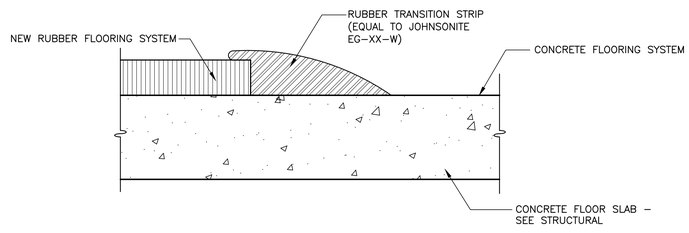
1 FINISH FLOOR PLAN

1/8" = 1'-0"



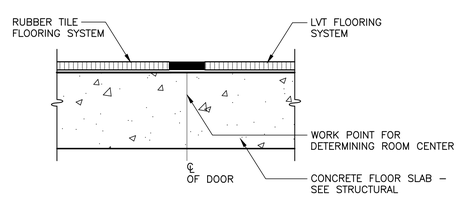
2 TRANSITION DETAIL @ EPOXY TO RUBBER SPORT FLOORING

NOT TO SCALE



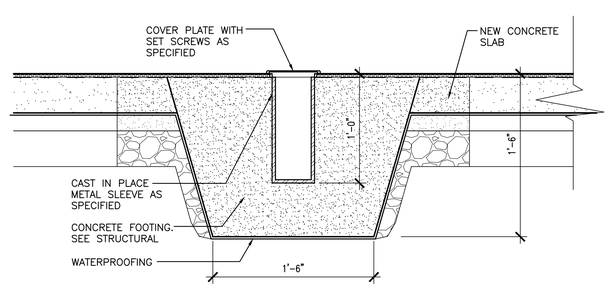
3 TRANSITION DETAIL @ CONCRETE TO RUBBER SPORT FLOORING

NOT TO SCALE



4 TRANSITION DETAIL @ LVT TO RUBBER SPORT FLOORING

NOT TO SCALE



5 DETAIL @ VOLLEYBALL SLEEVE

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

FINISH PATTERN LEGEND

SC — SEALED CONCRETE	LVT-1 — LUXURY VINYL TILE
ERF-1 — EPOXY RESIN FLOOR	RST-1 — RUBBER STAIR TREAD
RSF-1 — RUBBER SPORT FLOORING	RSF-2 — RUBBER SPORT FLOORING
RSF-3 — RUBBER SPORT FLOORING	RSF-4 — RUBBER SPORT FLOORING
RSF-5 — RUBBER SPORT FLOORING	

NOTES:
1. BASKETBALL LINES @ 2" WIDE
2. VOLLEYBALL LINES @ 2" WIDE
3. COLORS TO BE SELECTED BY OWNER
4. PROVIDE RUBBER STAIR TREAD AND RISER COVERS @ STAGE STAIRS
5. PROVIDE ALL GAME LINES ACCORDING TO ALABAMA HIGH SCHOOL ATHLETICS ASSOCIATION STANDARDS

1

FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	MILLWORK FACE	MILLWORK TOP	WALLS NORTH	WALLS SOUTH	WALLS EAST	WALLS WEST	DOOR FRAME	CEILING/SOFFIT/ ACCENT PAINT	NOTES
100	MULTI-PURPOSE	RSF-1/2/3/4	RB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		
101	MECHANICAL	SC	NO BASE	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		
102	OFFICE	LVT-1	RB-2	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		
103	STAIR	RST-1	RB-2	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PNT-3	
104	PODIUM	LVT-1	RB-2	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PNT-3	WOOD STAGE FLOORING AS AN ALTERNATE
105	SOUND	LVT-1	RB-2	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PNT-3	
106	HALL	LVT-1	RB-2	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PNT-3	WOOD STAGE FLOORING AS AN ALTERNATE
107	STAIR	RST-1	RB-2	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		
108	LIFT	-	-	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		
109	STORAGE	SC	RB-2	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		
110	GIRLS	ERF-1	ERB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		EPOXY PAINT AT ALL WALLS
111	BOYS	ERF-1	ERB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		EPOXY PAINT AT ALL WALLS
112	CORRIDOR	LVT-1	RB-2	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PNT-3	
113	JANITOR	SC	NO BASE	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		EPOXY PAINT AT ALL WALLS
114	STAFF	ERF-1	ERB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		EPOXY PAINT AT ALL WALLS
115	MECHANICAL	SC	NO BASE	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		

BASE(RUBBER/CERAMIC/PORCELAIN/WOOD)

ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION
RB-1	TARKETT	6" VENTED BASE, BLACK	SEE FINISH SCHEDULE
RB-2	TARKETT	4" BASE, BLACK	SEE FINISH SCHEDULE
ERB-1	TORGINOL	4"BASE, MATCH ERF-1	SEE FINISH SCHEDULE

EPOXY RESIN FLOOR

ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION
ERF-1	TORGINAL	1" BROADCAST FLAKES CUSTOM COLOR MIX	AS INDICATED ON FINISH SCHEDULE

LUXURY VINYL TILE

ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION
LVT-1	MANNINGTON COMMERCIAL	COLLECTION:SPACIA COLOR:	SEE SCHEDULE

RUBBER SPORT FLOORING

ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION
RSF-1	ROBBINS	COLOR:	SEE SCHEDULE
RSF-2	ROBBINS	COLOR:	SEE SCHEDULE
RSF-3	ROBBINS	COLOR:	SEE SCHEDULE
RSF-4	ROBBINS	COLOR:	SEE SCHEDULE

PAINT

ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION
PNT-1	SHERWIN WILLIAMS	COLOR: AGREEABLE GRAY SW 7029	GENERAL WALLS
PNT-2	SHERWIN WILLIAMS	COLOR: DORIAN GRAY SW 7017	GENERAL TRIM
PNT-3	SHERWIN WILLIAMS	COLOR: CEILING BRIGHT WHITE SW 7007	GENERAL CEILING/SOFFIT

PLASTIC LAMINATE

ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION
PL-1	WILSONART	COLOR: ---- PREMIUM LAMINATE WITH MATCHING EDGEBANDING	SEE FINISH SCHEDULE

RUBBER STAIR TREAD

ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION
RST-1	TARKETT	COLOR: PROFILE: RAISED ROUNDS	STAIRS AT PODIUM

FINISH ABBREVIATION LEGEND

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

FINISH NOTES

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

ALL EXPOSED STRUCTURE SHALL BE PAINTED BLACK; REFER TO ELEVATIONS

ALL SLOPED CEILINGS SHALL BE PAINTED PNT-3.

LATHAN ARCHITECTS

NEW GYMNASIUM FOR
BARKLEY BRIDGE ELEMENTARY SCHOOL
2333 BARKLEY BRIDGE ROAD SW, HARTSELLE, AL 35640
HARTSELLE CITY BOARD OF EDUCATION

SHEET TITLE:
FINISH FLOOR PLAN, LEGENDS, SCHEDULE, AND DETAILS

PROJ. MGR.: S. WILSON
DRAWN: KJ
DATE: MARCH 21, 2025
REVISIONS
1 — 04.30.25 ADD #4

JOB NO. 24-107
SHEET NO:
A8.1
25 OF 27

SDG
STRUCTURAL DESIGN GROUP
300 Chase Park South, Suite 125
Hoover, AL 35244
tel 205-824-5200
fax 205-824-5280
Job Number 25-034

VENEER LINTEL SCHEDULE

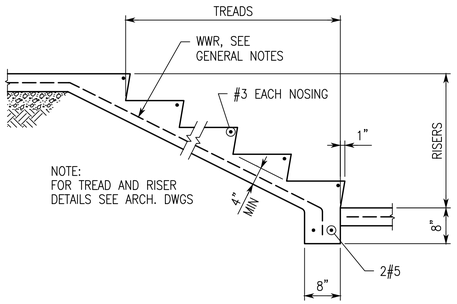
MAXIMUM OPENING WIDTH	STEEL FOR EACH 4" OF WALL THICKNESS
2'-0"	L4x4x3/8 MINIMUM
4'-0"	L4x4x3/8 MINIMUM
6'-0"	L4x4x3/8 MINIMUM
8'-0"	L6x4x3/8 MINIMUM (LLV)
LARGER	CONTACT ENGINEER

1. PROVIDE 8" MINIMUM BEARING FOR ALL LINTELS.
2. ALL EXPOSED LINTEL ANGLES TO BE HOT DIP GALVANIZED.
3. CONTRACTOR TO COORDINATE DIMENSION OF OUTSTANDING LEG WITH MINIMUM VENEER SUPPORT REQUIREMENT(S) AND WITH DETAILS INDICATED ON ARCH. DWGS.

STACKED BOND MASONRY LINTEL SCHEDULE

MAXIMUM OPENING WIDTH	LINTEL DIMENSIONS AND REINFORCING	
	DEPTH	8" WALL REINFORCING
3'-4"	16	2#4 BOT
8'-4"	16	2#4 BOT

1. PROVIDE 2'-0" MINIMUM BEARING FOR ALL LINTELS. FILL CELLS SOLID AT EACH SIDE OF OPENING AND REINFORCE WITH 1#5 BAR CONTINUOUS.
2. SHORE LINTEL UNTIL MORTAR AND GROUT HAVE SET AND CURED.

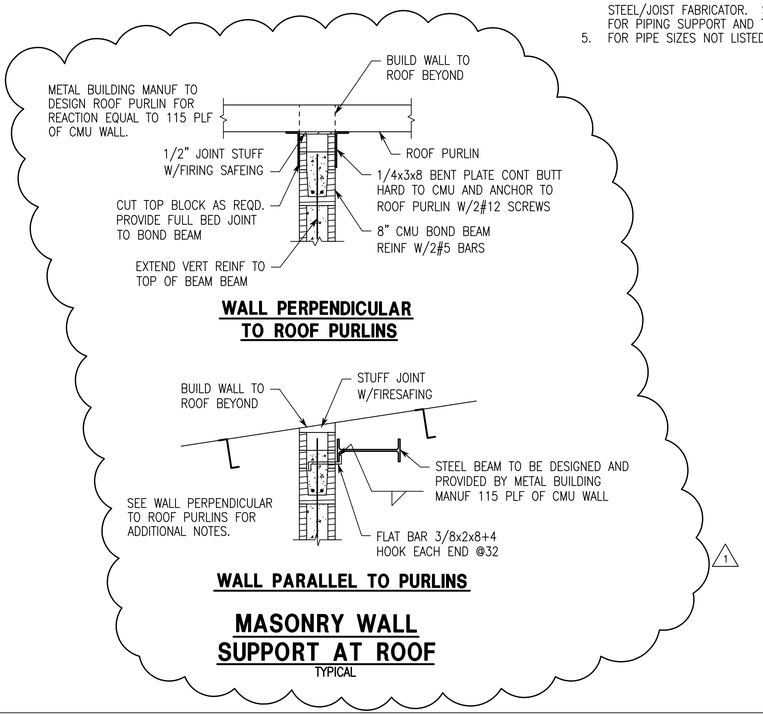


STAIR ON GRADE DETAIL
TYPICAL

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.

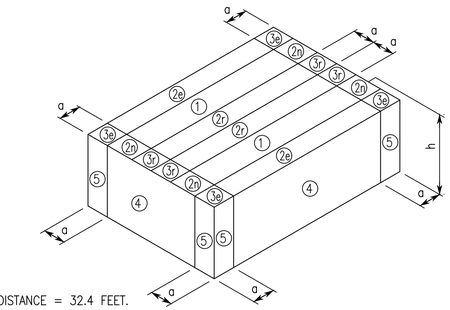


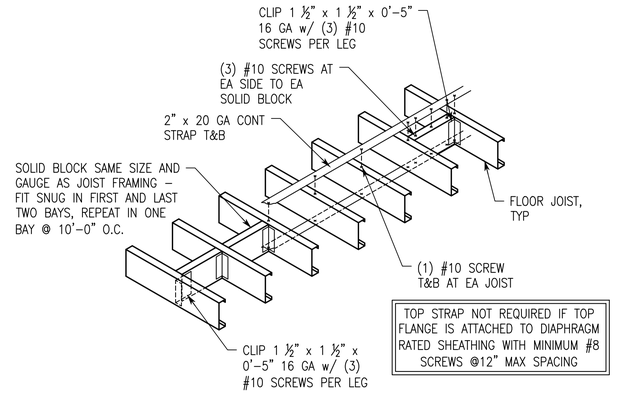
MASONRY WALL SUPPORT AT ROOF
TYPICAL

COMPONENTS & CLADDING WIND PRESSURES

	ZONE	EFFECTIVE WIND AREA (ft²)	MAX +ve PRESSURE (psf)	MAX −ve PRESSURE (psf)
ROOF 7 TO 27 DEGREES	1	10	16.0	−43.5
		20	16.0	−43.5
		50	16.0	−26.5
		100	16.0	−16.0
		200	16.0	−16.0
		500	16.0	−16.0
	2n	10	16.0	−63.4
		20	16.0	−54.9
		50	16.0	−43.5
		100	16.0	−35.5
		200	16.0	−23.5
		500	16.0	−23.5
	2e	10	16.0	−43.5
		20	16.0	−43.5
		50	16.0	−26.5
		100	16.0	−16.0
		200	16.0	−16.0
		500	16.0	−16.0
	2r	10	16.0	−63.4
		20	16.0	−54.9
		50	16.0	−43.5
		100	16.0	−35.5
		200	16.0	−23.5
		500	16.0	−23.5
	3e	10	16.0	−63.4
		20	16.0	−54.9
		50	16.0	−43.5
		100	16.0	−35.5
		200	16.0	−23.5
		500	16.0	−23.5
	3r	10	16.0	−75.4
		20	16.0	−64.6
		50	16.0	−51.1
		100	16.0	−39.5
		200	16.0	−39.5
		500	16.0	−39.5
WALLS	4	10	20.0	−32.6
		20	19.2	−31.3
		50	18.1	−28.8
		100	16.8	−27.6
		200	16.1	−26.8
		500	16.0	−25.1
	5	10	20.0	−40.1
		20	19.2	−37.6
		50	18.1	−33.8
		100	16.8	−30.6
		200	16.1	.28.8
		500	16.0	−25.1

NOTE: LOADS ARE ULTIMATE PRESSURES FROM ASCE 7-16





BRIDGING SCHEDULE	
SPANS	ROWS REQUIRED
UP TO 14'	ONE ROW @ MID-SPAN
14' TO 20'	TWO ROWS @ THIRD POINTS
20' TO 26'	THREE ROWS @ QUARTER POINTS

COLD FORMED JOIST BRIDGING DETAIL
TYPICAL

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BARKLEY BRIDGE ELEMENTARY SCHOOL
2333 BARKLEY BRIDGE ROAD SW, HARTSELLE, AL 35640
HARTSELLE CITY BOARD OF EDUCATION

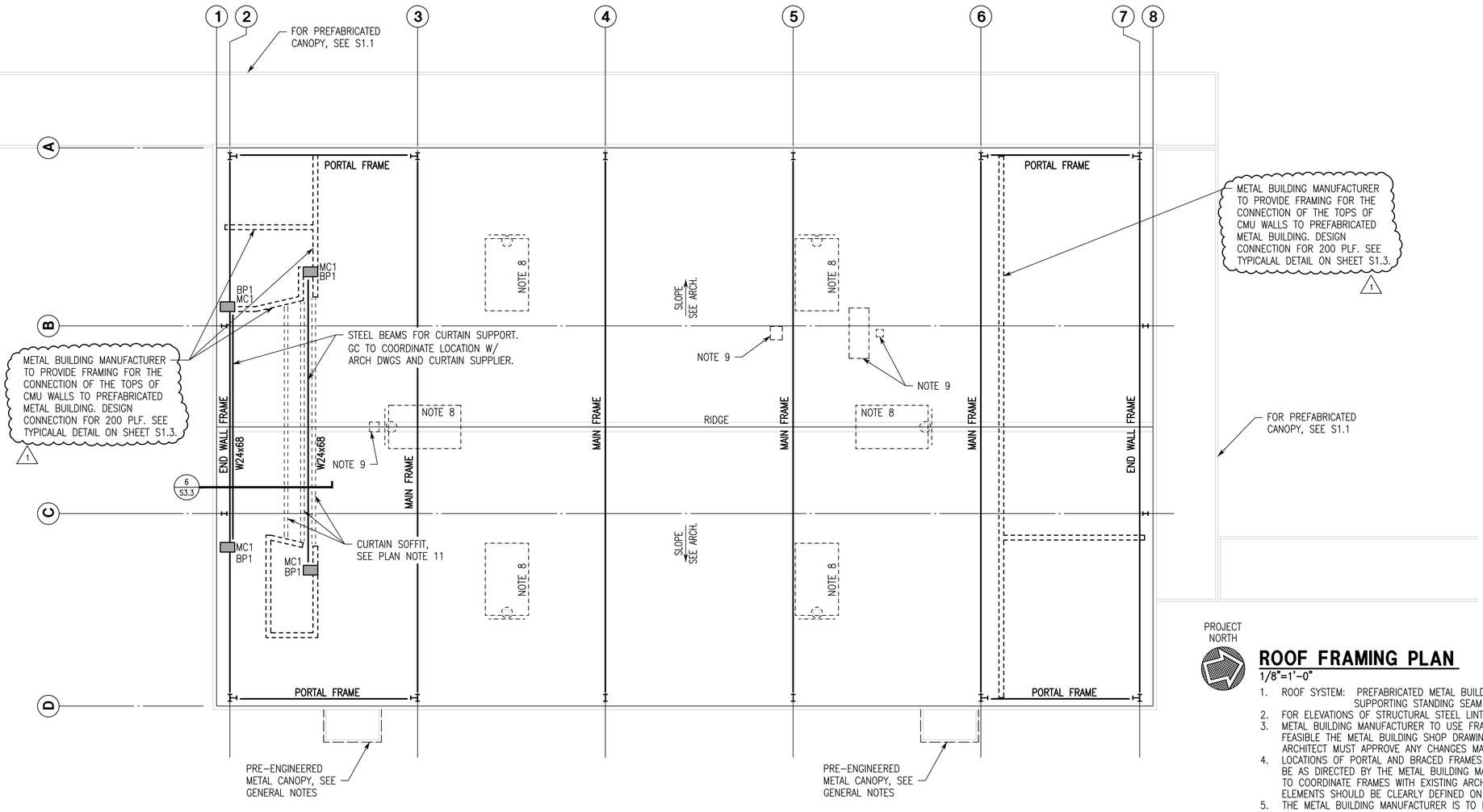
ALABAMA REGISTERED No. 22596 PROFESSIONAL ENGINEER H. CRAIG WINN P.E.
04-30-2025

SHEET TITLE:
TYPICAL DETAILS

PROJ. MGR.: MAK
DRAWN: SDE
DATE: MARCH 21, 2025
REVISIONS
1 04.30.25 ADD #4

JOB NO. 24-107
SHEET NO:
S1.3
3 OF 9

SDG
STRUCTURAL DESIGN GROUP
300 Chase Park South, Suite 125
Hoover, AL 35244
tel 205-824-5200
fax 205-824-5280
Job Number 25-034



PROJECT NORTH

ROOF FRAMING PLAN

1/8"=1'-0"

1. ROOF SYSTEM: PREFABRICATED METAL BUILDING FRAMES WITH PURLINS SUPPORTING STANDING SEAM METAL ROOFING.
2. FOR ELEVATIONS OF STRUCTURAL STEEL LINTELS AND WIND GIRTS, SEE PLAN OR SECTIONS.
3. 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.
4. 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.
5. THE METAL BUILDING MANUFACTURER IS TO DESIGN THE FRAMES AND END WALL COLUMNS FROM REACTIONS OF HORIZONTAL GIRTS SHOWN ON THESE DRAWINGS. WHERE REACTIONS ARE NOT PROVIDED, THE METAL BUILDING MANUFACTURER IS TO SHOW ESTIMATED REACTIONS ON THE METAL BUILDING SHOP DRAWINGS SUBMITTED FOR APPROVAL. ALL CONNECTIONS OF THE HORIZONTAL GIRTS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE PROVIDED ON THE STRUCTURAL STEEL SHOP DRAWINGS AND FULLY COORDINATED WITH THE METAL BUILDING MANUFACTURER. SUBMIT CALCULATIONS PROVIDED BY A PROFESSIONAL REGISTERED STRUCTURAL ENGINEER.
6. HANGER LOCATIONS FOR PIPING LARGER THAN 3 INCHES IN DIAMETER MUST BE COORDINATED BY GENERAL CONTRACTOR WITH THE METAL BUILDING MANUFACTURER AND THE JOIST MANUFACTURER. FOR PIPING WEIGHTS, SEE TABLE ON SHEET S1.3.
7. CONTRACTOR COORDINATE SPRINKLER PIPING LOADS WITH METAL BUILDING MANUFACTURER. FOR PIPING WEIGHTS, SEE TABLE ON SHEET S1.3. PIPING WILL RESULT IN A CONCENTRATED LOAD AT HANGER LOCATIONS. COORDINATE MAXIMUM HANGER SPACING WITH METAL BUILDING MANUFACTURER.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN OF BASKETBALL GOAL SUPPORTS AND THEIR ATTACHMENT TO THE ROOF STRUCTURE. SUBMIT SHOP DRAWINGS SHOWING DETAILING OF GOAL SUPPORTS AND ATTACHMENT TO ROOF STRUCTURE SIGNED BY A REGISTERED PROFESSIONAL ENGINEER. COORDINATE LOADS WITH METAL BUILDING MANUFACTURER.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN OF NORMAL PROJECTOR SUPPORTS AND "INTERACTIVE WALL" PROJECTOR SUPPORTS AND THEIR ATTACHMENT TO THE ROOF STRUCTURE. SUBMIT SHOP DRAWINGS SHOWING DETAILING OF PROJECTOR SUPPORTS AND ATTACHMENT TO ROOF STRUCTURE SIGNED BY A REGISTERED PROFESSIONAL ENGINEER. COORDINATE LOADS WITH METAL BUILDING MANUFACTURER.
10. WHERE ROOF SUPPORTED/SUSPENDED MECHANICAL UNITS ARE LOCATED THE CONTRACTOR SHALL COORDINATE ALL LOADING, CURB SUPPORTS, OPENING FRAMING AND ANY ADDITIONAL SUPPORT REQUIREMENTS WITH THE METAL BUILDING MANUFACTURER. THE METAL BUILDING MANUFACTURER SHALL PROVIDE ALL FRAMING AS REQUIRED TO SUPPORT THE MECHANICAL UNIT AND CURBS AT LOCATIONS SHOWN.
11. METAL STUD SOFFIT SHALL BE DESIGNED BY CONTRACTOR TO HANG FROM ROOF STRUCTURE AND STEEL BEAMS. CONTRACTOR SHALL ENGAGE METAL STUD ENGINEER AND PROVIDE CALCULATIONS AND SHOP DRAWINGS FOR SOFFIT DESIGN. DESIGN SOFFIT FOR DEAD WEIGHT PLUS ANY SUSPENDED EQUIPMENT AND A 5 PSF HORIZONTAL LOAD OVER SURFACE. PEMB MANUFACTURER TO DESIGN METAL BUILDING IN THIS AREA FOR MINIMUM 250 PLF DEAD WEIGHT FROM SOFFIT.

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ALABAMA REGISTERED No. 22596 PROFESSIONAL ENGINEER H. CRAIG WINN
H. Craig Winn P.E.
04-30-2025

SHEET TITLE:
ROOF FRAMING PLAN

PROJ. MGR.:	MAK
DRAWN:	SDE
DATE:	MARCH 21, 2025

REVISIONS

1	04.30.25 ADD #4

JOB NO. 24-107

SHEET NO:
S2.3
6 OF 9

0 1" 2"