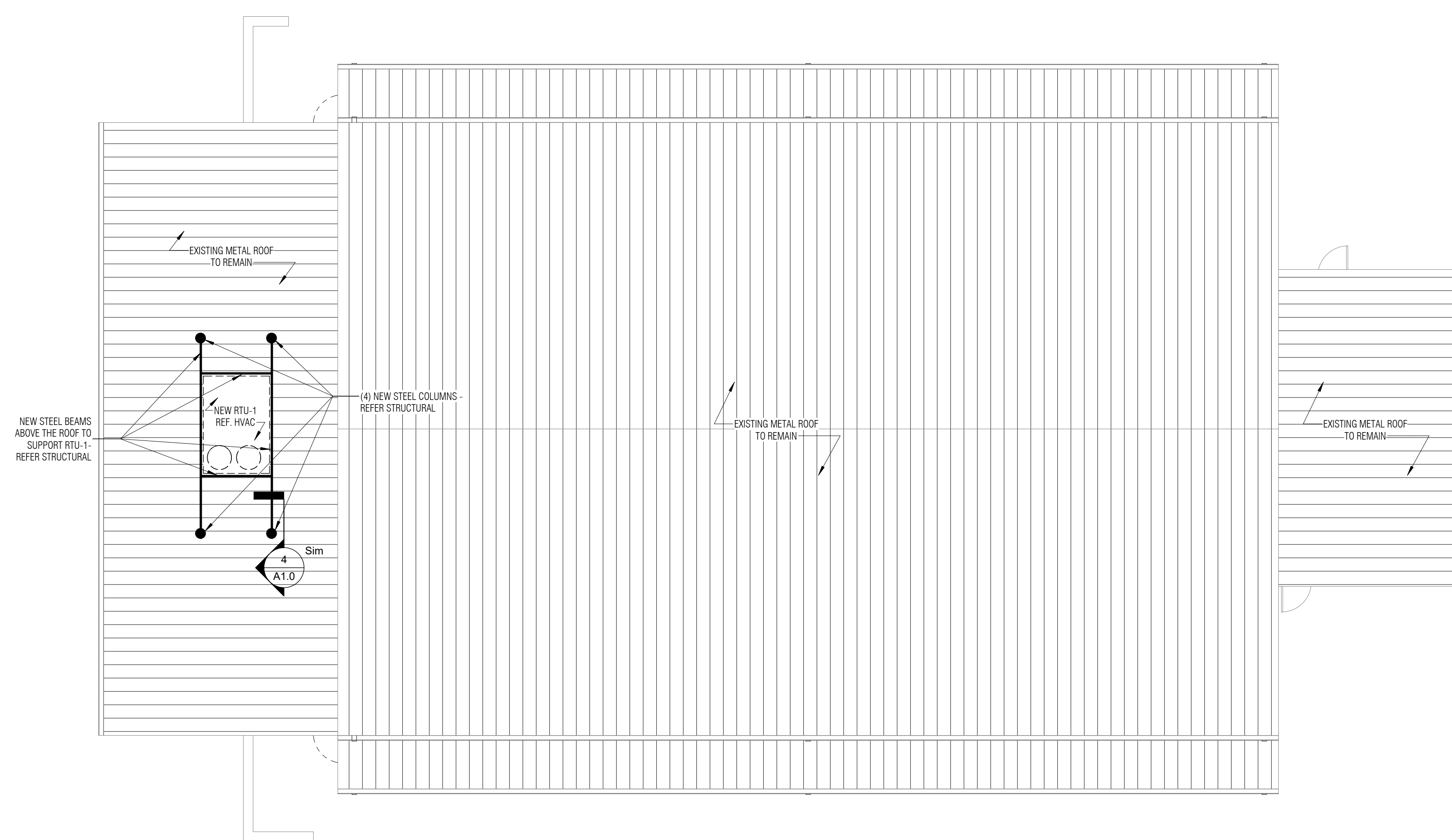


HARALSON COUNTY SCHOOLS

4552 OLD HWY 100, TALLAPOOSA, GA 30176

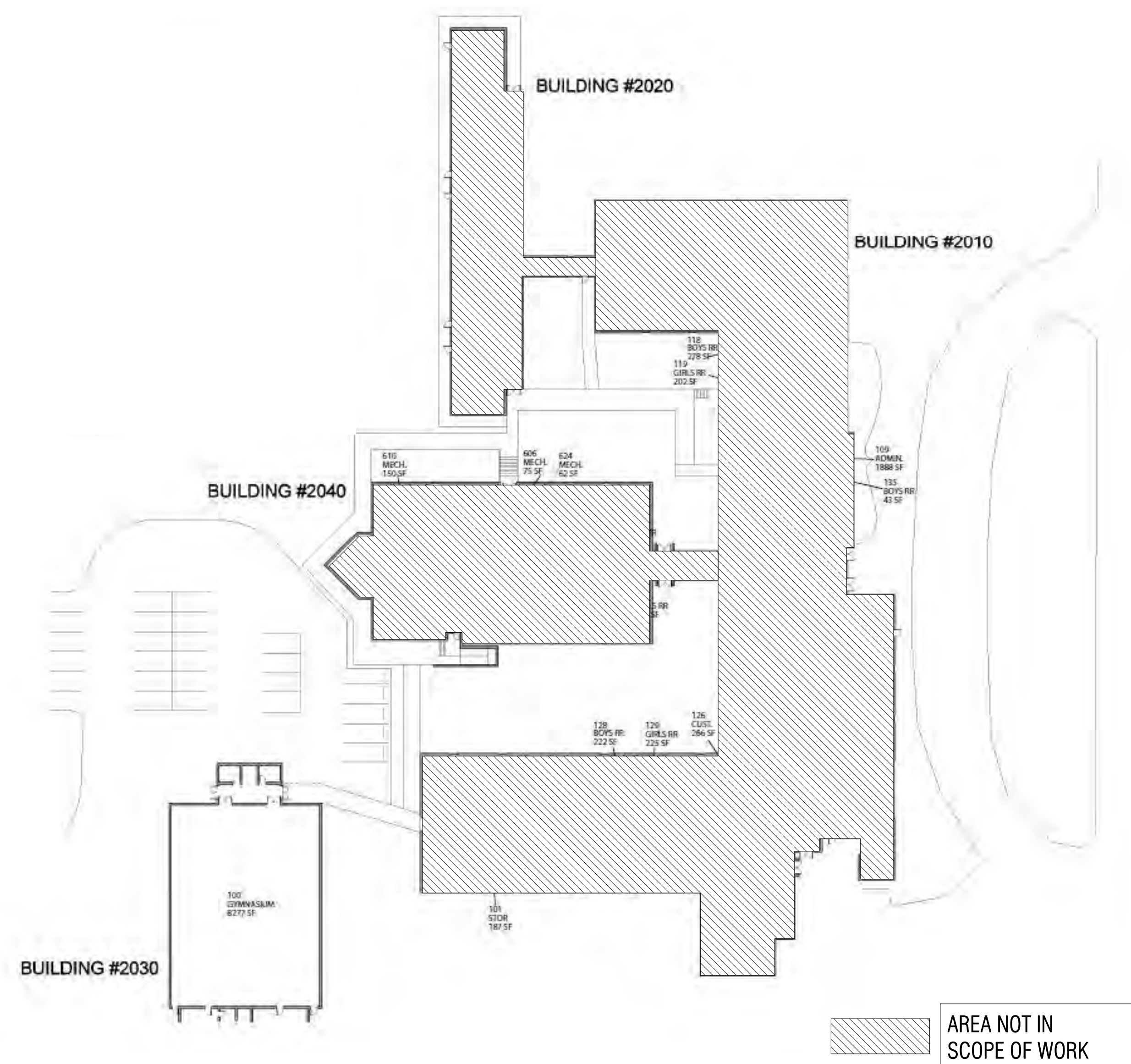
HARALSON COUNTY SCHOOLS

COVER	
DATE	01/04/2023
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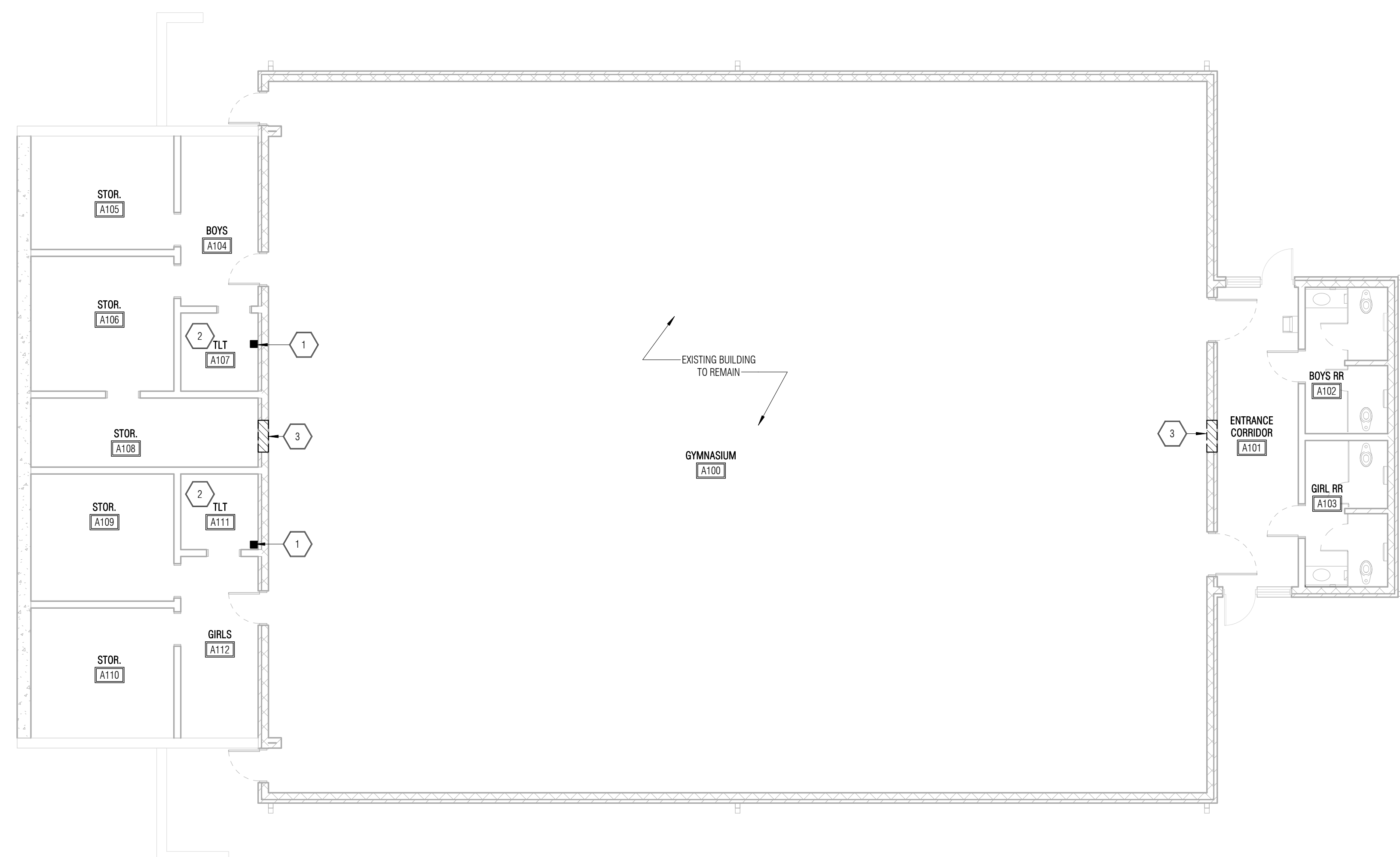


2	ROOF PLAN
A1.0	SCALE: 1/8" = 1'-0"

REFER MECHANICAL FOR ADDITIONAL WORKS ON ROOF

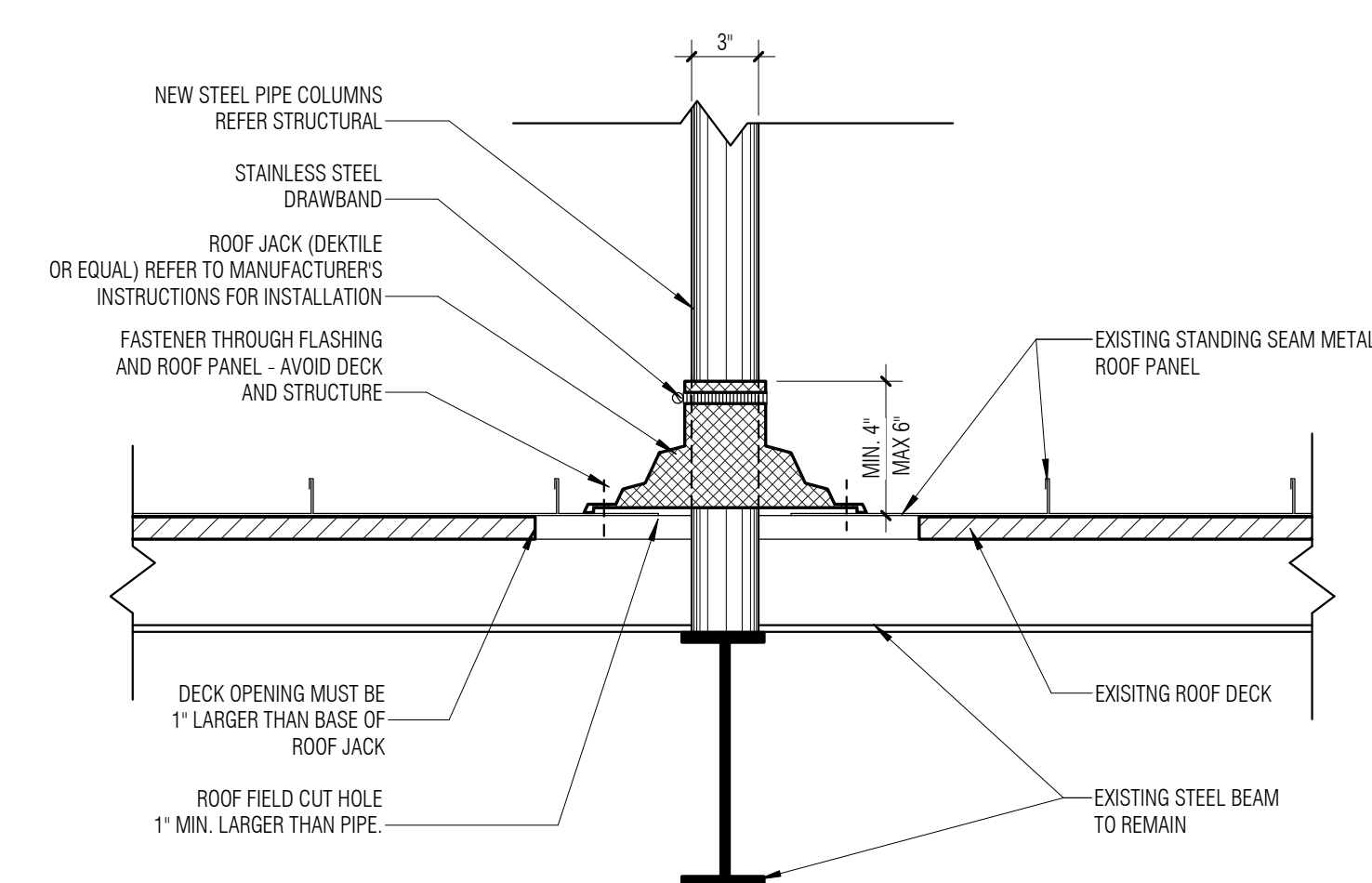


1	OVERALL FLOOR PLAN
A1.0	SCALE: N.T.S.



3	FLOOR PLAN - LEVEL 1
A10	SCALE: 1/8" = 1'-0"

REFER MECHANICAL FOR ADDITION WORKS ON PLAN



4	ROOF DETAIL - COLUMN PENETRATION (TYP.)
A1.0	SCALE: 1 1/2" = 1'-0"

NO	DRAWING NOTES
1	NEW STEEL TUBE COLUMNS ADDED TO SUPPORT ROOF TOP EQUIPMENT. REFER STRUCTURAL FOUNDATION AND COLUMN DETAILS
2	REMOVE ALL EXISTING PLUMBING FIXTURES, PATCH ALL OPENING. FINISH TO MATCH EXISTING CONDITIONS.
3	REMOVE EXISTING INTAKE DOOR/VERS. PATCH OPENINGS TO MATCH EXISTING

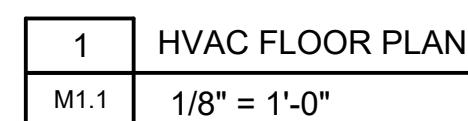
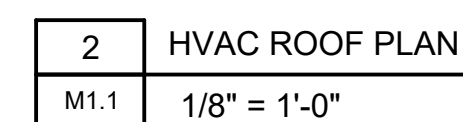
**WEST HARALSON ELEMENTARY SCHOOL
GYMNASIUM MODIFICATION**
4552 OLD HWY 100, TALLAPOOSA, GA 30176
(FACILITY CODE: 671-4060)

HARALSON COUNTY SCHOOLS

**OVERALL PLAN,
FLOOR PLAN,
ROOF PLAN, AND
DETAIL**

DATE	01/04/2023
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A1.0



- ① NEW 25-TON PACKAGED GAS/ELECTRIC ROOFTOP UNIT. MOUNT ON LOW ROOF ON NEW ROOF CURB.
- ② 34x34 INTERNALLY LINED SA DUCT RISE TIGHT TO WALL. UTILIZE EXHAUST FLUE OPENING FOR NEW PENETRATION. PATCH UNUSED PORTION TO MATCH EXISTING.
- ③ TRANSITION FLAT ON BOTTOM FROM UNIT RA INTAKE TO 48x48 RETURN GRILLE. FLASH AND COUNTERFLASH DUCT PENETRATION.
- ④ R-1 RETURN GRILLE. BOTTOM OF GRILLE $\pm 20"$ ABOVE LOW ROOF.
- ⑤ ALL EXPOSED DUCTWORK TO BE INTERNALLY LINED WITH EXTERNAL DUCT CLADDING. SEE SPECIFICATIONS.
- ⑥ REMOVE EXISTING EXHAUST FAN. OPENING TO BE UTILIZED FOR NEW DUCT PENETRATION. PATCH UNUSED PORTION TO MATCH EXISTING.
- ⑦ NEW DUCTLESS SPLIT-SYSTEM HIGH SIDEWALL INDOOR UNIT. SEE THIS SHEET FOR DETAIL.
- ⑧ NOT USED.
- ⑨ NOT USED.
- ⑩ 1"D THRU EXTERIOR WALL. ROUTE AND TIE-INTO NEAREST DOWNSPOUT.
- ⑪ REMOVE EXISTING GAS UNIT HEATER, CONTROLS, AND FLUE. PATCH ROOF TO MATCH EXISTING.
- ⑫ REMOVE EXISTING ABANDONED FLUE. PATCH ROOF TO MATCH EXISTING.
- ⑬ NEW DUCTLESS SPLIT-SYSTEM OUTDOOR HEAT PUMP. PROVIDE WALL BRACKET AND MOUNT ON EXTERIOR WALL.
- ⑭ REF. LINES UP TIGHT TO WALL. PROVIDE UNSECT COVER AND PAINT TO MATCH EXISTING WALL.
- ⑮ NEW CEILING EXHAUST FAN. PROVIDE NEW 8" ROUND EXH. DUCT UP THRU ROOF WITH CAP. IF THERE IS AN EXISTING GRAVITY ROOF VENT, 8" ϕ MAY BE CONNECTED TO EXISTING.
- ⑯ 3/4"D ROUTE TO EXTERIOR WALL AND TIE-INTO NEAREST DOWNSPOUT.
- ⑰ 1"D ROUTE TO EXTERIOR WALL AND TIE-INTO NEAREST DOWNSPOUT.
- ⑱ CONNECT NEW 1-1/4"G AT METER AND ROUTE ON LOW ROOF TO NEW UNIT.
- ⑲ CONNECT TO UNIT WITH UNION, GAS COCK, AND DIRT LEG. SEE SHEET M1.0 FOR DETAIL.
- ⑳ REMOVE OR ABANDON EXISTING GAS BELOW GRADE PAST POINT OF NEW CONNECTION.
- ㉑ REMOVE OR ABANDON ALL EXISTING GAS PIPING INSIDE BUILDING.
- ㉒ REMOVE EXISTING INTAKE LOUVER. PATCH OPENING TO MATCH EXISTING.

NEW PANEL BOARD A SCHEDULE

REPLACES EXISTING PANEL 'A'

VOLTAGE: 120/208V, 3 PH, 4 W MAINS: 4000 M.L.O. MOUNTING SURFACE REMARKS:

BUS SIZE: 400A TOTAL LOAD: (OVERSEEN LOAD) FAULT DUTY: 25,000 A/C ***

NO	SERVICES	KVA	LOAD KW/H				BREAKER	FUSE	A B C	LOAD KW/H				KVA	SERVICES	NO
			1PH	3PH	HT	LT				1PH	3PH	HT	LT			
1	EXISTING LOAD	①													EXISTING LOAD	2
3	RTU-1			46.4			20	1	1	20					LIGHTNING/SURGE	4
5	RTU-1						175	3	3	100					LIGHTNING/SURGE	6
9	RTU-1														LIGHTNING/SURGE	8
9	PANEL 'B'					12.5	100	1	1	20					LIGHTNING/SURGE	10
11	PANEL 'B'														SPARE	12
13	PANEL 'B'														SPARE	14
15	HP-1 / AC-1			13			15	2	1	20			0.6		RECEPTANCE	16
17	HP-1 / AC-1														SPACE	18
19	HP-2 / AC-2						15	2	1	20					SPACE	20
21	HP-2 / AC-2														SPACE	22
23	HP-3 / AC-3			13			15	2	1	20					SPACE	24
25	HP-3 / AC-3														SPACE	26
27	HP-4 / AC-4			13			15	2	1	20					SPACE	28
29	HP-4 / AC-4														SPACE	30
31	HP-5 / AC-5						15	2	1	20					SPACE	32
33	HP-5 / AC-5														SPACE	34
35	HP-6 / AC-6			13			15	2	1	20					SPACE	36
37	HP-6 / AC-6														SPACE	38
39	HP-7 / AC-7			13			15	2	1	20					SPACE	40
41	HP-7 / AC-7														SPACE	42

LOAD SUMMARY	LIGHTING: 0.0 KVA A/C: 3/1 KVA	
	RECEPTACLE: 0.0 KVA HEATING: 0.0 KVA	
	MOTOR: 0.0 KVA MISC: 12.5 KVA	

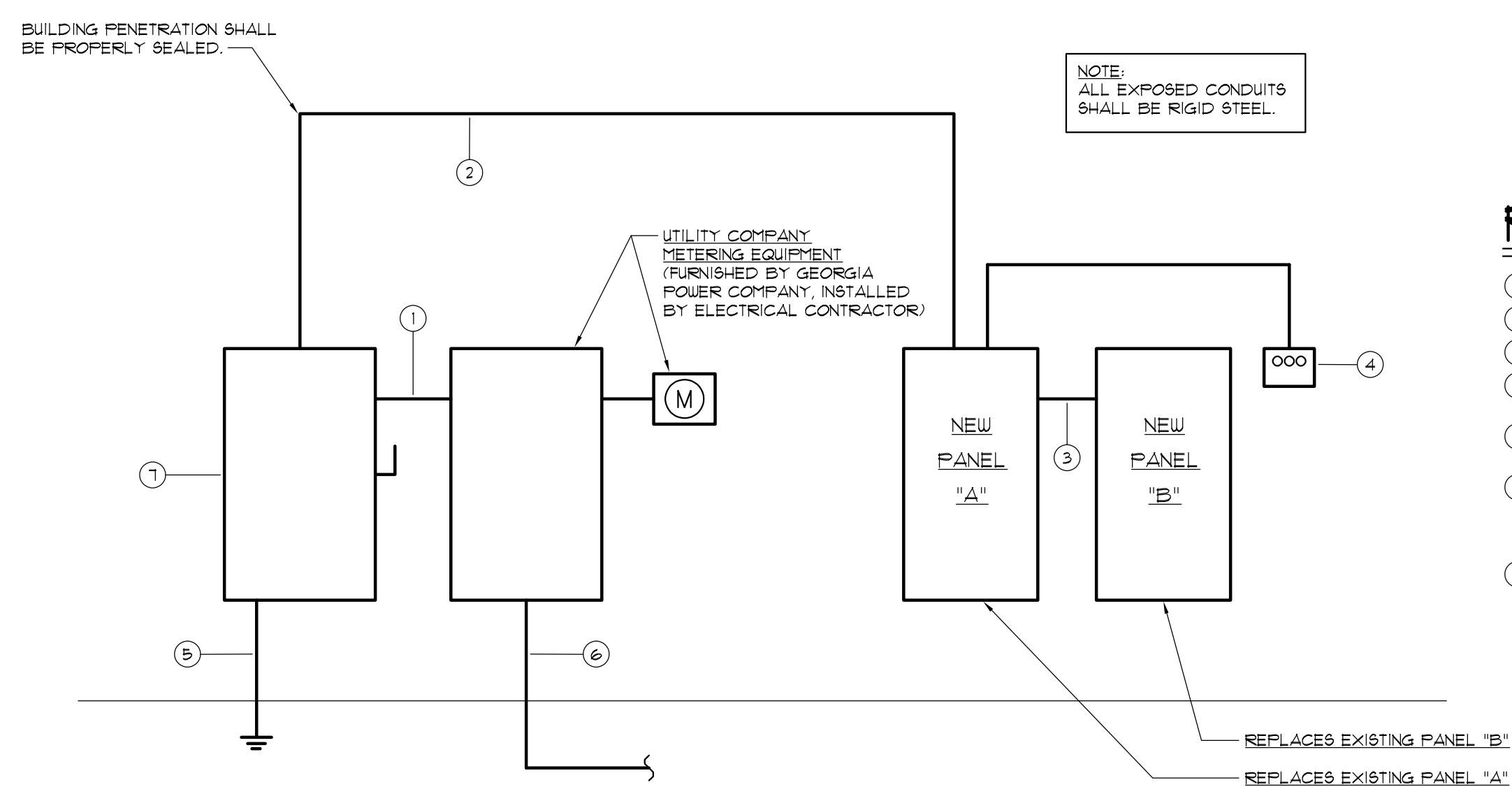
NOTES:
 ① RECONNECT EXISTING LOAD. PROPERLY UPDATE DIRECTORY WITH LOAD SERVED.

NEW PANEL BOARD B SCHEDULE										REPLACES EXISTING PANEL 'B'			
VOLTAGE: 120/208V, 3 PH, 4 W			MAINS: 225A M.L.O.			BOUNTING SURFACE			REMARKS:				
BUS 9/12: 225A			TOTAL LOAD: 125 KVA (2)			FAULT DUTY: 25,000 AIC			***				
			LOAD KW/A										
NO	SERVICES	NOT	1 LG	2 LG	3 LG	4 LG	5 LG	6 LG	7 LG	8 LG	9 LG		
1	EXISTING LOAD	(1)	1 LG	2 LG	3 LG	4 LG	5 LG	6 LG	7 LG	8 LG	9 LG		
2	EXISTING LOAD	(1)	1 LG	2 LG	3 LG	4 LG	5 LG	6 LG	7 LG	8 LG	9 LG		
3	EXISTING LOAD	(1)	1 LG	2 LG	3 LG	4 LG	5 LG	6 LG	7 LG	8 LG	9 LG		
4	EXISTING LOAD	(1)	1 LG	2 LG	3 LG	4 LG	5 LG	6 LG	7 LG	8 LG	9 LG		
5	EXISTING LOAD	(1)	1 LG	2 LG	3 LG	4 LG	5 LG	6 LG	7 LG	8 LG	9 LG		
6	EXISTING LOAD	(1)	1 LG	2 LG	3 LG	4 LG	5 LG	6 LG	7 LG	8 LG	9 LG		
7	EXISTING LOAD	(1)	1 LG	2 LG	3 LG	4 LG	5 LG	6 LG	7 LG	8 LG	9 LG		
8	EXISTING LOAD	(1)	1 LG	2 LG	3 LG	4 LG	5 LG	6 LG	7 LG	8 LG	9 LG		
9	EXISTING LOAD	(1)	1 LG	2 LG	3 LG	4 LG	5 LG	6 LG	7 LG	8 LG	9 LG		
10	EXISTING LOAD	(1)	1 LG	2 LG	3 LG	4 LG	5 LG	6 LG	7 LG	8 LG	9 LG		
11	EXISTING LOAD	(1)	1 LG	2 LG	3 LG	4 LG	5 LG	6 LG	7 LG	8 LG	9 LG		
12	EXISTING LOAD	(1)	1 LG	2 LG	3 LG	4 LG	5 LG	6 LG	7 LG	8 LG	9 LG		
13	EXISTING LOAD	(1)	1 LG	2 LG	3 LG	4 LG	5 LG	6 LG	7 LG	8 LG	9 LG		
14	EXISTING LOAD	(1)	1 LG	2 LG	3 LG	4 LG	5 LG	6 LG	7 LG	8 LG	9 LG		
15	EXISTING LOAD	(1)	1 LG	2 LG	3 LG	4 LG	5 LG	6 LG	7 LG	8 LG	9 LG		
16	EXISTING LOAD	(1)	1 LG	2 LG	3 LG	4 LG	5 LG	6 LG	7 LG	8 LG	9 LG		
17	EXISTING LOAD	(1)	1 LG	2 LG	3 LG	4 LG	5 LG	6 LG	7 LG	8 LG	9 LG		
18	EXISTING LOAD	(1)	1 LG	2 LG	3 LG	4 LG	5 LG	6 LG	7 LG	8 LG	9 LG		
19	EXISTING LOAD	(1)	1 LG	2 LG	3 LG	4 LG	5 LG	6 LG	7 LG	8 LG	9 LG		
20	EXISTING LOAD	(1)	1 LG	2 LG	3 LG	4 LG	5 LG	6 LG	7 LG	8 LG	9 LG		
21	EXISTING LOAD	(1)	1 LG	2 LG	3 LG	4 LG	5 LG	6 LG	7 LG	8 LG	9 LG		
22	EXISTING LOAD	(1)	1 LG	2 LG	3 LG	4 LG	5 LG	6 LG	7 LG	8 LG	9 LG		
23	EXISTING LOAD	(1)	1 LG	2 LG	3 LG	4 LG	5 LG	6 LG	7 LG	8 LG	9 LG		
24	EXISTING LOAD	(1)	1 LG	2 LG	3 LG	4 LG	5 LG	6 LG	7 LG	8 LG	9 LG		
25	EXISTING LOAD	(1)	1 LG	2 LG	3 LG	4 LG	5 LG	6 LG	7 LG	8 LG	9 LG		
26	EXISTING LOAD	(1)	1 LG	2 LG	3 LG	4 LG	5 LG	6 LG	7 LG	8 LG	9 LG		
27	EXISTING LOAD	(1)	1 LG	2 LG	3 LG	4 LG	5 LG	6 LG	7 LG	8 LG	9 LG		
28	EXISTING LOAD	(1)	1 LG	2 LG	3 LG	4 LG	5 LG	6 LG	7 LG	8 LG	9 LG		
29	EXISTING LOAD	(1)	1 LG	2 LG	3 LG	4 LG	5 LG	6 LG	7 LG	8 LG	9 LG		
30	SPACE												
31	SPACE												
32	SPACE												
33	SPACE												
34	SPACE												
35	SPACE												
36	SPACE												
37	SPACE												
38	SPACE												
39	SPACE												
40	SPACE												
41	SPACE												
LOAD SUMMARY			LIGHTING: 00 KVA										

GENERAL ELECTRICAL NOTES

- A. CONTRACTOR PROPOSING TO UNDERTAKE WORK UNDER THIS DIVISION SHALL VISIT THE SITE OF THE WORK AND FULLY INFORM THEMSELVES OF ALL CONDITIONS THAT EFFECT THE WORK OR COST THEREOF. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INFORMATION RELAYED TO THE SITE CONDITIONS, PRIOR TO SUBMITTING HIS PROPOSAL FOR WORK.
- B. CONSIDERATION WILL NOT BE GRANTED FOR ANY ALLEGED MISUNDERSTANDINGS OF THE AMOUNT OF WORK TO BE PERFORMED. TENDER OF PROPOSAL SHALL CONVEY FULL AGREEMENT TO THE CONDITIONS AND REQUIREMENTS OF THE WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DISCREPANCIES OR OMISSIONS IN THE CONTRACT DOCUMENTS OR BE, IN DOUBT AS TO THE MEANING THEREOF, HE SHALL IMMEDIATELY OBTAIN CLARIFICATION FROM THE ENGINEER AND/OR ARCHITECT.
- C. CONTRACTOR SHALL REFER TO MECHANICAL DRAWINGS FOR ALL EXISTING TO BE REMOVED WORK. ALL ASSOCIATED ELECTRICAL SHALL BE REMOVED INCLUDING COUNCIL. ASSOCIATED BREAKERS SHALL BE IN THE "OFF" POSITION AND LABELED "SPARE"; THIS DOES NOT APPLY TO EQUIPMENT.

SYMBOL LEGEND		
POINTING HEADING IS FROM FINISHED FLOOR TO CENTERLINE OF DEVICE OR OUTLET. HEIGHT MAY VARY TO CONFORM WITH BUILDING CONSTRUCTION.		
SYMBOL	DESCRIPTION	POINTS HEIGHT
O	DOWNLIGHT	
-O	LIGHT FIXTURE - WALL MOUNTED	AS NOTED
[]	2' X 4' LIGHT FIXTURE	
[•]	2' X 4' LIGHT FIXTURE ON EMERGENCY CIRCUIT	
[—]	1' X 4' LIGHT FIXTURE	
[—•]	1' X 4' LIGHT FIXTURE ON EMERGENCY CIRCUIT	
⊙	EXIT SIGN - CEILING MOUNTED DARKENED SECTION(S) OF SYMBOLS INDICATE FACIES OF FIXTURE	
⊖	EXIT SIGN - WALL MOUNTED DARKENED SECTION(S) OF SYMBOLS INDICATE FACIES OF FIXTURE	
⊕	EXIT SIGN - CEILING MOUNTED DARKENED SECTION(S) OF SYMBOLS INDICATE FACIES OF FIXTURE	
⊖	EXIT SIGN - WALL MOUNTED DARKENED SECTION(S) OF SYMBOLS INDICATE FACIES OF FIXTURE	
S ³	KEY OPERATED THREE-WAY SWITCH	48"
S	SPST LIGHT SWITCH	48"
(H)	WALL MOUNTED SENSOR SWITCH, DUAL TECHNOLOGY (HUBBELL - 4 WAYS; BASIS OF DESIGN)	---
(L)	LOW VOLTAGE DUAL TECHNOLOGY, 360 DEGREE CEILING MOUNTED OCCUPANCY SENSOR (HUBBELL - 07N-071-10000; BASIS OF DESIGN)	---
(M)	LOW VOLTAGE DUAL TECHNOLOGY, 360 DEGREE SURFACE MOUNTED, INDOOR OCCUPANCY SENSOR FOR AREAS WHERE MOUNTING HEIGHT IS 7'-0" OR HIGHER (HUBBELL - 4 USP-07-04V SENSOR; USP-1360-UH LENS; BASIS OF DESIGN)	---
P	POWEL PACK INSTALLED ABOVE CEILING (HUBBELL - UVPK; BASIS OF DESIGN)	---
D	0-10 VOLT SLIDE DIMMER WITH ON/OFF SWITCH (INCLUDE POWEL PACK IF LOAD EXCEEDS RATING OF DIMMER)	48"
S	THREE-WAY LIGHT SWITCH	48"
S	FOUR-WAY LIGHT SWITCH	48"
S	KEY OPERATED LIGHT SWITCH	48"
⊖	SINGLE RECEPTACLE OUTLET (TAMPER PROOF)	36"
⊖	DUPLEX RECEPTACLE OUTLET (TAMPER PROOF)	36"
⊖U	DUPLEX RECEPTACLE OUTLET WITH 2 USB PORTS (TAMPER PROOF)	36"
⊖Q	QUAD RECEPTACLE OUTLET (TAMPER PROOF)	36"
⊖D	DUPLEX RECEPTACLE MOUNTED 6" ABOVE BACKSPLASH (TAMPER PROOF)	---
J	JUNCTION BOX W/COVERPLATE - ABOVE CEILING	---
J-Q	JUNCTION BOX W/COVERPLATE - WALL MOUNTED	---
D	1". BELOW SLAB TO ACCOMMODATE DATA CABLES	---
I	SPECIAL OUTLET (AS NOTED)	---
P	PANELBOARD 480V	---
P	PANELBOARD 240V	---
□	DISCONNECT SWITCH - HORSEPOWER RATED	---
M	MOTOR - FRACTIONAL HORSEPOWER	---
C	MOTOR - NUMERAL INDICATES HORSEPOWER	---
T	TELEPHONE OUTLET WITH 1/2" STUBBED INTO ACCESSIBLE PLENUM	48"
H	DATA OUTLET WITH 1/2" STUBBED INTO ACCESSIBLE PLENUM	36"
MC	MICROPHONE OUTLET	36"
V	AUDIO VISUAL OUTLET, 4"x4" JUNCTION BOX WITH 1 1/2" STUBBED INTO ACCESSIBLE PLENUM	AS NOTED
F	FIRE ALARM PULL STATION	---
X	FIRE ALARM STROBE (CEILING MOUNTED)(WHITE)	---
X	WALL MOUNTED FIRE ALARM STROBE (WHITE)	---
SA	CEILING MOUNTED FIRE ALARM SPEAKER / STROBE (WHITE)	---
SA	WALL MOUNTED FIRE ALARM SPEAKER / STROBE (WHITE)	---
WP	WEATHER PROOF FIRE ALARM SPEAKER (PAINT TO MATCH BRICK)	---
?	SMOKE DETECTOR - CEILING MOUNTED OR SURFACE MOUNTED	---
SD	SMOKE DETECTOR - DUCT MOUNTED	---
H	HEAT DETECTOR	---
B	SPRINKLER FLOW SWITCH	---
R	SPRINKLER TAMPER SWITCH	---
H	DOOR HOLD DEVICE (WALL MOUNTED)	---
F	DOOR HOLD DEVICE (FLOOR MOUNTED)	---
P	PRESSURE SWITCH	---
—	CONDUIT CONCEALED IN WALLS, ABOVE CEILING, OR EXPOSED WHERE NO CEILING	---
—	CONDUIT CONCEALED IN SLAB, IN GROUND, OR UNDERFLOOR	---
WP	WEATHER PROOF	---
G	GROUND FAULT INTERRUPT	---
UNO	UNLESS NOTED OTHERWISE	---
NF	NON FUSED	---
SN	SOLID NEUTRAL	---



RISE R LEGEND

- ① 4 500 MCM - 3".
- ② 4 500 MCM + 1/2" GROUND - 3".
- ③ 4 500 + 1/2" GROUND - 11/2".
- ④ CURRENT TECHNOLOGY: #163-100-208-3Y-NH-T-1
LIGHTNING-SURGE PROTECTION (BASIS OF DESIGN)
- ⑤ EXTEND 1 #10 GROUND - 3/4" AND CONNECT TO GROUND RODS,
BUILDING STEEL, COLD WATER PIPE, AND STRUCTURAL REBAR.
- ⑥ EXTEND 3". TO UTILITY POLE ACCOMMODATING NEW TRANSFORMER
BANK. COORDINATE EXACT LOCATION OF UTILITY POLE WITH
LOCAL POWER COMPANY. PROPER REPAIR SHALL BE
THE RESPONSIBILITY OF THIS CONTRACTOR.
- ⑦ 400A/3P/1N/4P DISCONNECT RUSED AT 400A.

 HOT
NEUTRAL

NOTE: GROUND CONDUCTOR IS NOT SHOWN, BUT IS ASSUMED, AND SHALL BE INSTALLED.



MATHIS
CONSULTING
ENGINEERS
244 O'DELL ROAD SUITE 6
GRIFFIN, GEORGIA 30224
TELEPHONE 770-228-8160

[illegible]

**WEST HARALSON ELEMENTARY SCHOOL
GYMNASIUM MODIFICATION**
4552 OLD HWY 100, TALLAPOOSA, GA 30176

HARALSON COUNTY SCHOOLS

**SYMBOL LEGEND,
GENERAL NOTES,
PANELBOARD
SCHEDULES, &
RISER DIAGRAM**

DATE	01/04/2023
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PROJECT NO.	22130
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E0.1

ELECTRICAL NOTES

1. REMOVE EXISTING WIRING AND DISCONNECT SERVING EXISTING TO BE REMOVED GAS UNIT HEATER. LABEL BREAKER AS A "SPARE" AND LEAVE IN "OFF" POSITION.
2. REMOVE EXISTING WIRING AND DISCONNECT SERVING EXISTING TO BE REMOVED FIRE WALL MOUNTED PAN. LABEL BREAKER AS A "SPARE" AND LEAVE IN "OFF" POSITION.
3. EXTEND AND CONNECT TO NEAREST EXISTING RECEPTACLE CIRCUIT.
4. NEW DUPT MOUNTED SMOKE DETECTOR SHALL BE FURNISHED BY DIVISION 26, INSTALLED BY DIVISION 23, AND WIRED BY DIVISION 26. NEW DUPT DETECTOR SHALL BE OF THE SAME TYPE AND RATING AS EXISTING DETECTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER INTEGRATION OF NEW DUPT MOUNTED SMOKE DETECTOR WITH EXISTING FIRE ALARM CONTROL PANEL, INCLUDING PROGRAMMING.
5. DETECTOR RATING: MONITORING DETECTOR OF THE SAME MANUFACTURE AS EXISTING FIRE ALARM CONTROL PANEL. THE CONTRACTOR IS RESPONSIBLE FOR PROPER INTEGRATION OF NEW CARBON MONOXIDE DETECTOR WITH EXISTING FIRE ALARM CONTROL PANEL, INCLUDING PROGRAMMING.

[illegible]