JONES COUNTY HIGH SCHOOL
RENOVATIONS

(SCHOOL CODE NO. 684-0192)

339 RAILROAD ST.
GRAY, GEORGIA 31032

FOR:

JONES COUNTY SCHOOL DISTRICT

125 STEWART AVE.
GRAY, GEORGIA 31032

ROBERTSON LOIA ROOF
ARCHITECTS & ENGINEERS

RLR PROJECT NO. 20116

PROJECT : JONES COUNTY HIGH SCHOOL RENOVATIONS
ADDRESS: 339 RAILROAD STREET, GRAY, GA 31032

PRIMARY OCCUPANCY: GROUP "E" - EDUCATIONAL
OWNER / CONTACT: JONES COUNTY SCHOOL DISTRICT
PROJECT NUMBER: 20-116
FTE: 1,525 (EXISTING)
DESIGNER OF RECORD: ROBERTSON LOIA ROOF PC
3460 PRESTON RIDGE ROAD / SUITE 275
ALPHARETTA, GEORGIA, 30005

DISCIPLINE	NAME	LICENSE NO.	PHONE NO.
ARCHITECTURAL	TODD GILBERT	10729	770/674-2600
ELECTRICAL	SCOTT WALKER	24903	770/674-2600
PLUMBING	NIMIR DESAI	36083	770/674-2600
MECHANICAL	NIMIR DESAI	36083	770/674-2600
STRUCTURAL	ALFRED MCPETERS	SE000752	770/674-2600
FIRE ALARM	SCOTT WALKER	24903	770/674-2600

GENERAL NOTES:

1. UNLESS OTHERWISE INDICATED, ANY NOTE, DETAIL, OR FEATURE INDICATED FOR ONE CONDITION SHALL BE APPLICABLE FOR ALL ALIKE AND SIMILAR CONDITIONS.
2. PROVIDE BLOCKING AS REQUIRED IN PARTITIONS WHERE WALL MOUNTED ITEMS ARE SCHEDULED TO BE MOUNTED.
3. ALL INTERIOR OURTSIDE CORNERS ARE BULLNOSE CMU FROM 8" AFF TO CEILING HEIGHT.
4. ALL CONCEALED JOINTS IN CMU MASONRY SHALL BE STRUCK FLUSH WITHE THE FACE OF THE UNITS. ALL EXPOSED JOINTS SHALL BE TOOLED TO A CONCAVE PROVILE.

HADICAPPED: ANSI 117.1, ADA & ADAAG

LIFE SAFETY SYSTEMS: EMERGENCY LIGHTING AND EXIT SIGNS
PANIC HARDWARE
NFPA 13 FIRE SPRINKLER SYSTEM

EXIT REQUIREMENTS: NFPA 101
DEAD END LIMIT (MAX. CONDITION) : 50 FEET
TRAVEL DISTANCE TO EXIT (MAX. CONDITION): 200 FEET
LEVEL EXIT DISCHARGE FROM ALL AREAS

DESIGN LOADS:
ROOF LIVE LOAD: FLAT ROOF: 20 PSF
WIND: 93 MPH
SNOW: 10 PSF GROUND SNOW LOAD
SEISMIC: RISK CATEGORY: III
SITE CLASS: D (PER GEOTECH REPORT)
S(DS) = 0.184
S(D1) = 0.135
SEISMIC DESIGN CATEGORY = C
BUILDING FRAME SYSTEM W/
INTERMEDIATE MASONRY SHEAR WALLS
R=4.0

SOIL BEARING CAPACITY PER REPORT: 2,000 PSF

BUILDING DATA:

BUILDING AREA: 189,519 SF (EXISTING)
BUILDING TYPE:
LEVELS: 2 STORY (EXISTING)
OCCUPANCY: EDUCATIONAL

IBC CONSTRUCTION TYPE: IIB (UNPROTECTED)
NFPA A220 CONSTRUCTION TYPE: II(000)
SPRINKLERED: YES (EXISTING)
SPRINKLER DESCRIPTION: NFPA 13 (EXISTING)

BUILDING AREA
(PER STATE FACILITIES FORMULA)

BUILDING AREA = 189,519 SF (EXISTING, NO ADDITION)

FTE = 1,300

TOTAL IU = 69 IUs

FUNDING BY LOCAL EFFORT - REQURED CORE AREAS (PER STATE FACILITIES GUIDELINES)	
KITCHEN AND SUPPORT AREA	
REQUIRED	3,000 S.F.
PROVIDED (EXISTING)	3,115 S.F.
DINING AREA	
REQUIRED	4,952 S.F.
PROVIDED (EXISTING)	7,003 S.F.
MEDIA CENTER AREA	
REQUIRED	5,100 S.F.
PROVIDED (EXISTING)	5,668 S.F.

REQUIRED MINIMUM PLUMBING FIXTURES (PER STATE FACILITIES GUIDELINES)

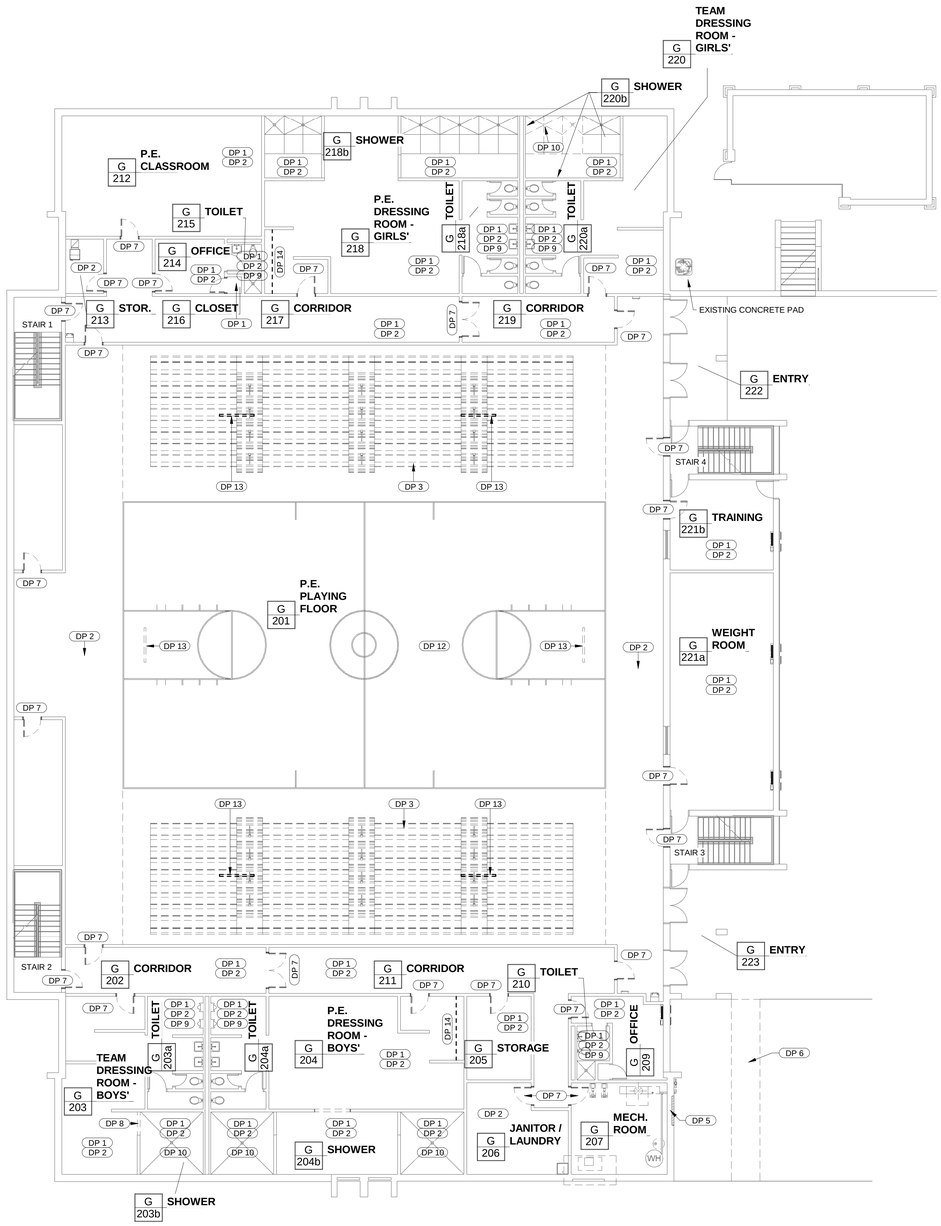
25 STUDENTS PER IU
25 x 69 IUs = 1,725 STUDENTS

	863 GIRLS		863 BOYS			
FIXTURE	W.C.	LAVS	W.C.	URINALS	LAVS	WATER COOLERS
REQUIRED	25	10	15	15	10	14
PROVIDED	41	24	28	27	24	17

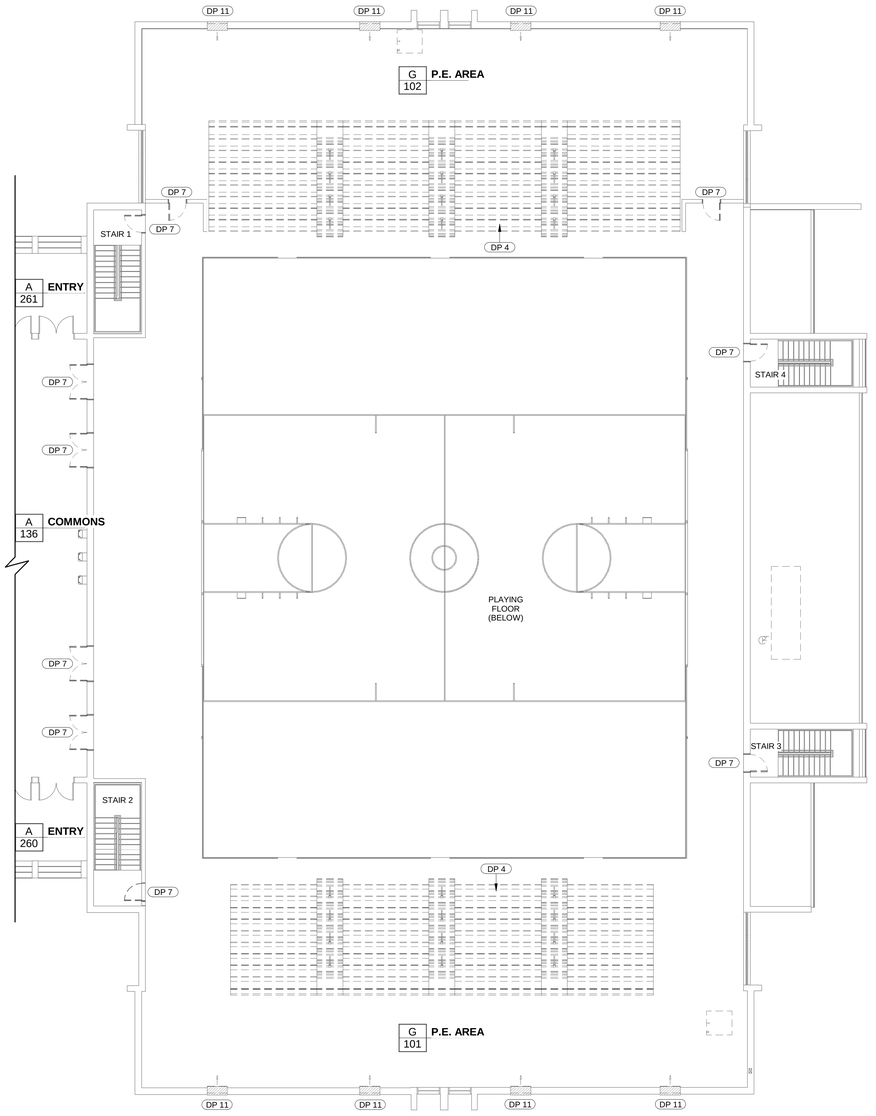
INDEX

DATE: FEBRUARY 1, 2024

20116 JONES COUNTY HIGH SCHOOL RENOVATIONS



2 A0.1 LOWER LEVEL DEMOLITION PLAN
3/32" = 1'-0"



1 A0.1 MAIN LEVEL DEMOLITION PLAN
3/32" = 1'-0"

DEMOLITION PLAN LEGEND

GENERAL NOTES

A. - REFER TO CONSTRUCTION DRAWINGS TO VERIFY CONDITIONS REQUIRING DEMOLITION, REMOVAL, SALVAGE OR RELOCATION PRIOR TO STARTING OF WORK. AREAS SHOWN TO BE REMOVED ARE APPROXIMATE ONLY. CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION, REMOVAL OR RELOCATION WITHIN THE GENERAL LIMITS DESCRIBED IN THE CONSTRUCTION DOCUMENT DRAWINGS.

B. - CONTRACTOR SHALL VERIFY INFORMATION SHOWN AS EXISTING AND REPORT ANY DISCREPANCIES TO ARCHITECT.

C. - PRIOR TO DEMOLITION NOTIFY THE OWNER IN SUFFICIENT TIME TO SALVAGE MISCELLANEOUS ITEMS BEFORE DEMOLITION WORK COMMENCES.

D. - FOR ALL AREAS/ITEMS SCHEDULED TO REMAIN, TAKE ALL NECESSARY MEASURES TO PROTECT EXISTING STRUCTURES/FIXTURES/EQUIPMENT DURING DEMOLITION AND THROUGHOUT CONSTRUCTION.

E. - COORDINATE WITH OWNER TO DISCONNECT UTILITIES PRIOR TO COMMENCING WORK.

F. - WHERE FLOORING IS SCHEDULED TO BE DEMOLISHED, IF APPLICABLE, REMOVE ALL ADHESIVE AND PROVIDE A SMOOTH AND LEVEL CONCRETE SUBSTRATE READY TO RECEIVE NEW FLOOR FINISH.

G. - WHERE WALL BASE IS SCHEDULED TO BE DEMOLISHED, REMOVE ALL ADHESIVE FROM WALL AND PROVIDE A SMOOTH SURFACE READY TO RECEIVE NEW WALL BASE.

H. - WHERE EXISTING ELECTRICAL, MECHANICAL, PLUMBING, ARCHITECTURAL FIXTURES AND EQUIPMENT ARE INDICATED TO REMAIN/BE RELOCATED:
CONFIRM THAT EQUIPMENT IS IN GOOD WORKING ORDER AND MEETS CURRENT CODES. NOTIFY ARCHITECT IF EXISTING ITEMS SCHEDULED TO REMAIN, WILL BE REQUIRED TO BE REPLACED TO COMPLY WITH CURRENT CODES OR TO FUNCTION AS EXPECTED.
PROTECT ITEMS FROM DAMAGE DURING CONSTRUCTION. COORDINATE REMOVAL, STORAGE, STAGING AND RE-INSTALLATION WITH OWNER, IF REQUIRED.

I. - REFER TO MECHANICAL AND ELECTRICAL FOR MECHANICAL AND ELECTRICAL DEMOLITION NOTES RESPECTIVELY.

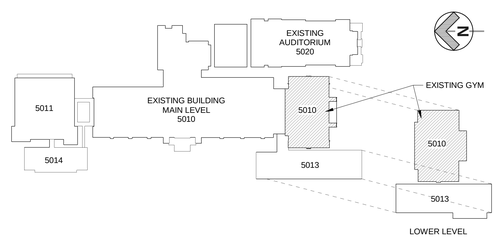
DEMOLITION PLAN DRAWING NOTES	
DP 1	BID-ALTERNATE #1 AND #2 - REMOVE EXISTING FLOORING AND WALL BASE, REMOVE EXISTING ADHESIVE AND PROVIDE A SMOOTH, LEVEL AND CONCRETE SUBFLOOR FOR NEW FLOORING INSTALLATION. PROVIDE FLOOR LEVELING COMPOUND WHERE NEEDED. REFER TO FLOOR PLAN/FINISH PLAN.
DP 2	REMOVE EXISTING LIGHTS AND ACOUSTICAL PANEL CEILING TILES AND GRID. EXISTING GYPSUM SOFFIT TO REMAIN, U.N.O. EXISTING LIGHT FIXTURES ABOVE COURT TO REMAIN. REFER TO ELEC. DRAWINGS.
DP 3	DEMOLISH EXISTING TELESCOPING BLEACHERS ON THE MAIN COURT LEVEL.
DP 4	BID-ALTERNATE #4 - DEMOLISH EXISTING TELESCOPING BLEACHERS ON THE UPPER LEVEL.
DP 5	REMOVE EXISTING MECH. ROOM WALL LOUVER AS NEEDED FOR BOILER REMOVAL. PROTECT AND RETAIN LOUVER FOR REINSTALLATION ONCE BOILER REMOVAL IS COMPLETE.
DP 6	REMOVE EXISTING SECTION OF CONCRETE SIDEWALK.
DP 7	BID-ALTERNATE #3 - REMOVE EXISTING DOORS AND DOOR HARDWARE IN PREPARATION FOR DOOR REPLACEMENT. DOOR FRAME TO REMAIN.
DP 8	REMOVE EXISTING TILED STEP THRESHOLD AND ADJACENT CMU WALLS AS NECESSARY FOR NEW DOOR AND FRAME INSTALLATION.

DEMOLITION PLAN DRAWING NOTES	
DP 9	BID-ALTERNATE #1 AND #2 - REMOVE EXISTING TOILETS. RETAIN AND PROTECT FOR REINSTALLATION ONCE FLOORING REPLACEMENT IS COMPLETE.
DP 10	REMOVE EXISTING SHOWER FIXTURES, CAP ALL ASSOCIATED PLUMBING LINES BELOW FLOOR PRIOR TO FLOORING INSTALLATION.
DP 11	REMOVE EXISTING WALL LOUVERS.
DP 12	PROTECT EXISTING COURT FLOORING AND EXISTING SCOREBOARDS THROUGHOUT CONSTRUCTION.
DP 13	REMOVE EXISTING PRIMARY (2) AND SECONDARY (4) BASKETBALL BACKBOARDS, RIMS AND NETS. SUPPORTING STRUCTURE TO BE PROTECTED FOR RE-USE AND INSTALLATION OF NEW GOALS.
DP 14	REMOVE EXISTING LOCKERS.

DEMOLITION PLAN SYMBOL LEGEND

- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE REMOVED
- EXISTING CONSTRUCTION TO BE REMOVED
- EXISTING SLAB TO BE REMOVED

KEY PLAN



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GA COA # PEF000562 EXPIRES: 06/30/2024

STATE OF GEORGIA
TODD E. GILBERT
CERTIFICATE NO. 027078
REGISTERED ARCHITECT
2/1/2024

Jones County High School Renovations
Gray, Georgia
FOR:
Jones County Schools
Overall Square Footage = 189,519 SF (Existing)
School Code: 684-0192; FTE=1,525 (Existing); IUs=95 (Existing)

REVISIONS #	DATE	DESCRIPTION

SHEET TITLE: DEMOLITION FLOOR PLANS - GYM MAIN & LOWER LEVELS

DATE: 2/1/2024

PROJECT NUMBER: 20116

SHEET NUMBER: A0.1

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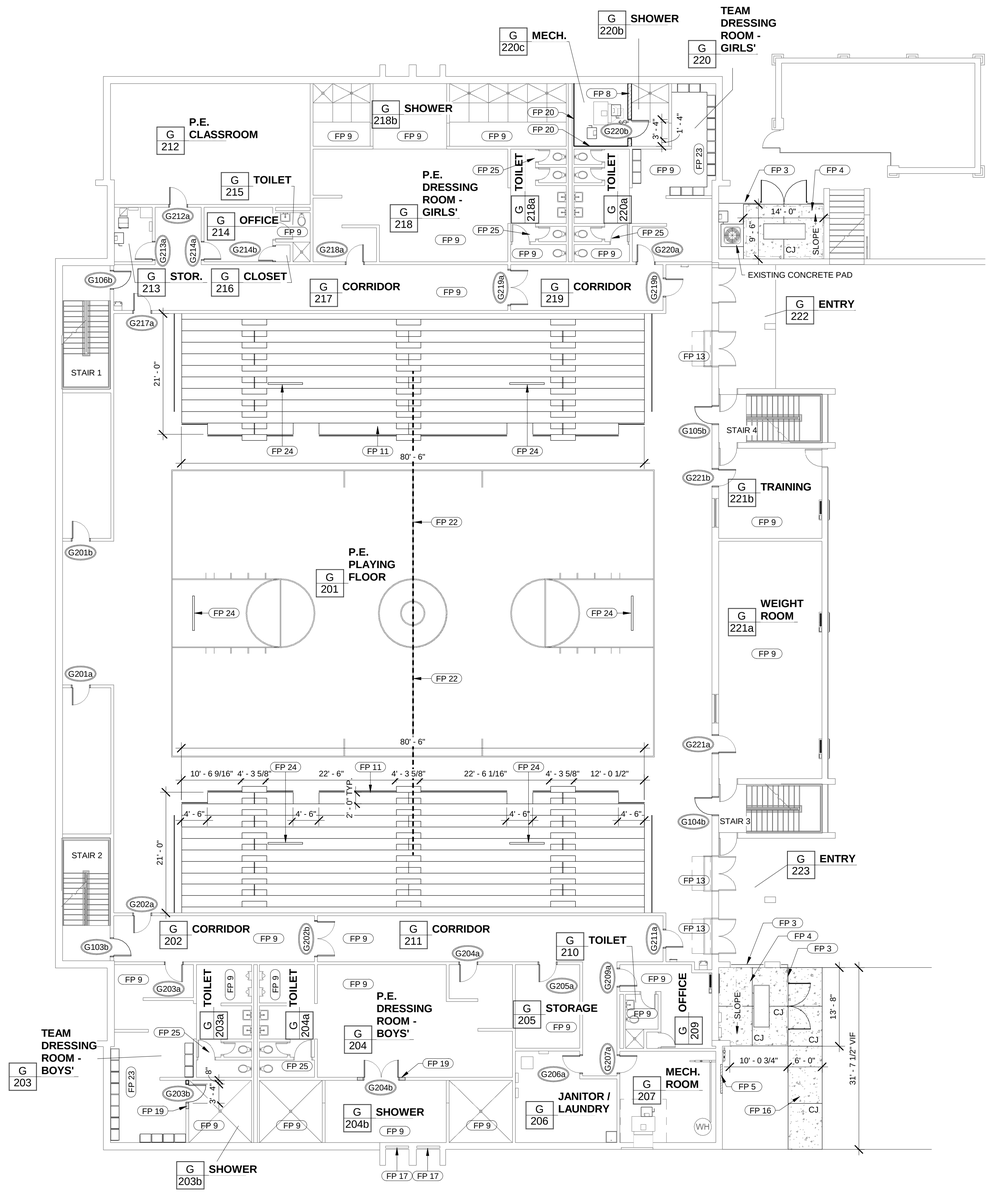
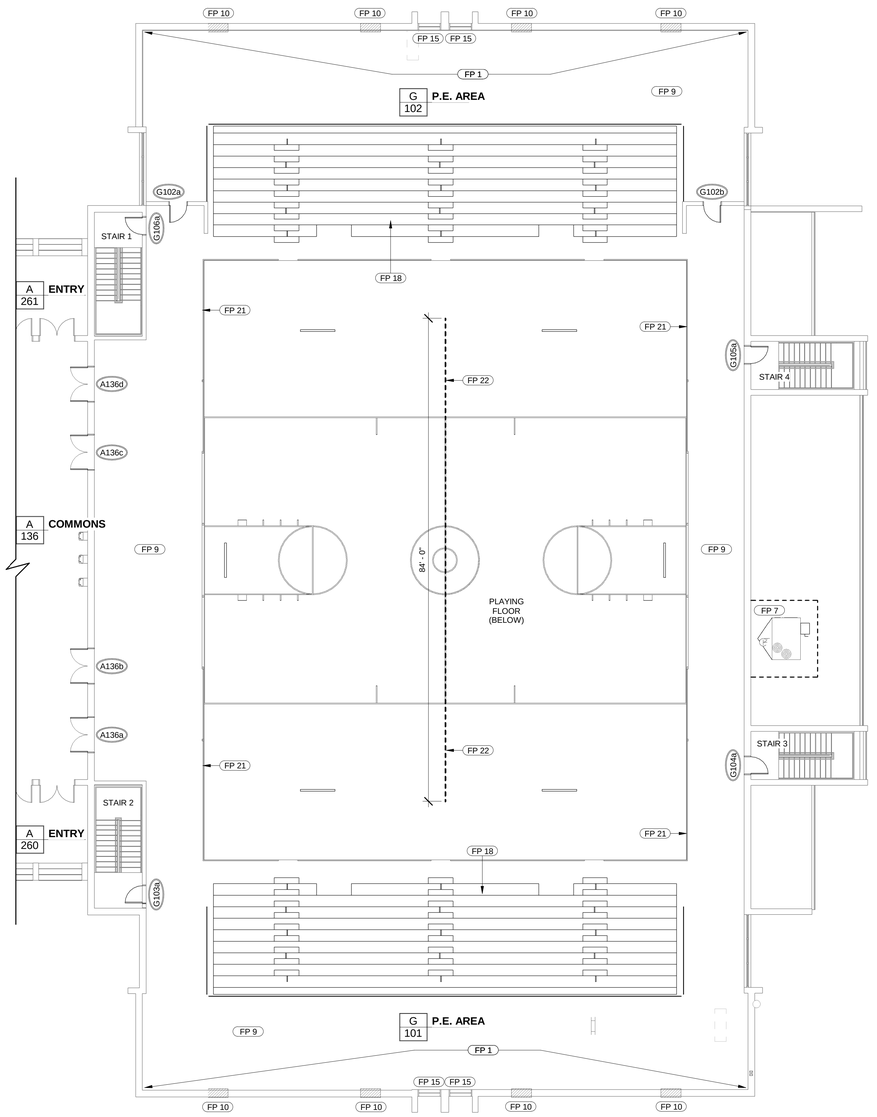


1 A1.0a LOWER LEVEL FLOOR PLAN
3/32" = 1'-0"



2 A1.0a MAIN LEVEL FLOOR PLAN
3/32" = 1'-0"

FLOOR PLAN LEGEND

GENERAL NOTES

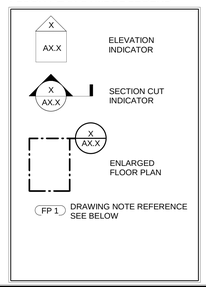
A. SEE REFLECTED CEILING PLAN FOR SOFFIT DESIGN EXTENTS.
B. ALL DOORS TO BE LOCATED 8" OFF ADJACENT WALL UNLESS DIMENSIONED OTHERWISE.
C. REFER TO FINISH SCHEDULE FOR NEW FINISHES.

FLOOR PLAN DRAWING NOTES	
FP 1	PROVIDE NEW WALL PAINT FINISH THIS WALL TO MATCH EXISTING COLOR.
FP 3	NEW 6'-0" BLACK VINYL COATED CHAIN LINK FENCE WITH PAIR OF 4'-0" LOCKABLE GATES.
FP 4	PROVIDE NEW 3000 PSI 4" CONCRETE PAD FOR OUTDOOR HVAC UNIT.
FP 5	REMOVE MECHANICAL EQUIPMENT. RE-INSTALL LOUVER TO EXISTING CONDITION AND PAINT TO MATCH BRICK. SEE MECHANICAL DWG.
FP 7	NEW ROOF CRICKET AND BUILT-UP ROOF SYSTEM AND FLASHING AT NEW ROOF TOP UNIT, TYP.
FP 8	PROVIDE NEW 1-HOUR RATED 8" CMU WALL. EXTEND TIGHT TO DECK. SEAL WALLS TO DECK. UL U905 AND HW-D-0329.
FP 9	BID-ALTERNATE #1 AND #2 - PROVIDE A SMOOTH AND LEVEL SUBFLOOR FOR NEW FLOORING INSTALLATION. NEW FLOORING AND WALL BASE PER FINISH SCHEDULE. REINSTALL PLUMBING FIXTURES AFTER FLOORING INSTALLATION.
FP 10	PATCH EXISTING WALL OPENING WITH CMU, BRICK AND INSULATION TO MATCH EXISTING EXTERIOR WALL ASSEMBLY.

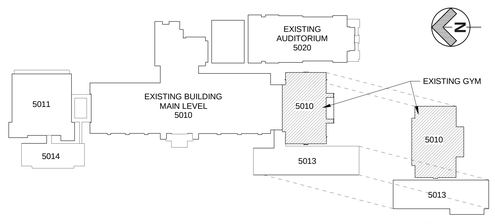
FLOOR PLAN DRAWING NOTES	
FP 11	NEW LOWER LEVEL BLEACHERS, 442 CAPACITY EACH SIDE - INCLUDING ACCESSIBLE SEATING POSITIONS AND RAILS AT THE FRONT ROWS, SELF-STORING END RAILS, AISLE RAILS, AND VINYL END CURTAINS. AISLES TO ALIGN WITH EXISTING RAILING OPENINGS AT MAIN LEVEL.
FP 13	NEW AIR CURTAIN AT EXTERIOR PAIRS OF DOORS - SEE MECHANICAL DRAWINGS.
FP 15	REMOVE EXISTING WINDOW FILM, CLEAN WINDOWS.
FP 16	NEW 4" CONCRETE SIDEWALK.
FP 17	EXISTING OPERABLE WINDOWS TO BE SEALED SHUT.
FP 18	BID-ALTERNATE #4 - NEW UPPER LEVEL BLEACHERS, 446 CAPACITY EACH SIDE - INCLUDING ACCESSIBLE SEATING POSITIONS, SELF-STORING END RAILS, AISLE RAILS, AND VINYL END CURTAINS.
FP 19	TOOTH-IN NEW 6" CMU AT NEW DOOR OPENING.
FP 20	ADD 4" OR 6" CMU ON TOP OF EXISTING 4" OR 6" CMU WALL TO EXTEND WALL TIGHT TO DECK TO CREATE 1-HR FIRE-RATED WALL. SEAL WALLS TO DECK PER UL DETAIL HW-D-0329.

FLOOR PLAN DRAWING NOTES	
FP 21	EXISTING GUARDRAILS TO BE REPAINTED PURPLE TO MATCH THE SCHOOL'S BRANDING.
FP 22	BID-ALTERNATE #5 - PROVIDE AND INSTALL NEW 84'-0" LONG RETRACTABLE GYM DIVIDER CURTAIN. GC TO CONFIRM 5'-0" CLEAR MIN. ON BOTH ENDS WHEN NEW BLEACHERS ARE RETRACTED.
FP 23	NEW METAL LOCKERS. (15) IN GIRL'S TEAM DRESSING ROOM, (15) IN BOY'S TEAM DRESSING ROOM.
FP 24	PRIMARY (2) AND SECONDARY (4) BASKETBALL GOALS TO RECEIVE NEW BACKBOARDS, RIMS AND NETS. SUPPORTING STRUCTURE TO BE RE-USED.
FP 25	RESTROOM DOORS AND FRAMES TO BE PREPARED TO RECEIVE NEW PAINT. PAINT ALL EXISTING RESTROOM DOORS AND FRAMES.

FLOOR PLAN SYMBOL LEGEND



KEY PLAN



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REVISIONS	#	DATE	DESCRIPTION

SHEET TITLE
FLOOR PLANS - GYM
MAIN & LOWER LEVELS

DATE
2/1/2024

PROJECT NUMBER
20116

SHEET NUMBER
A1.0a

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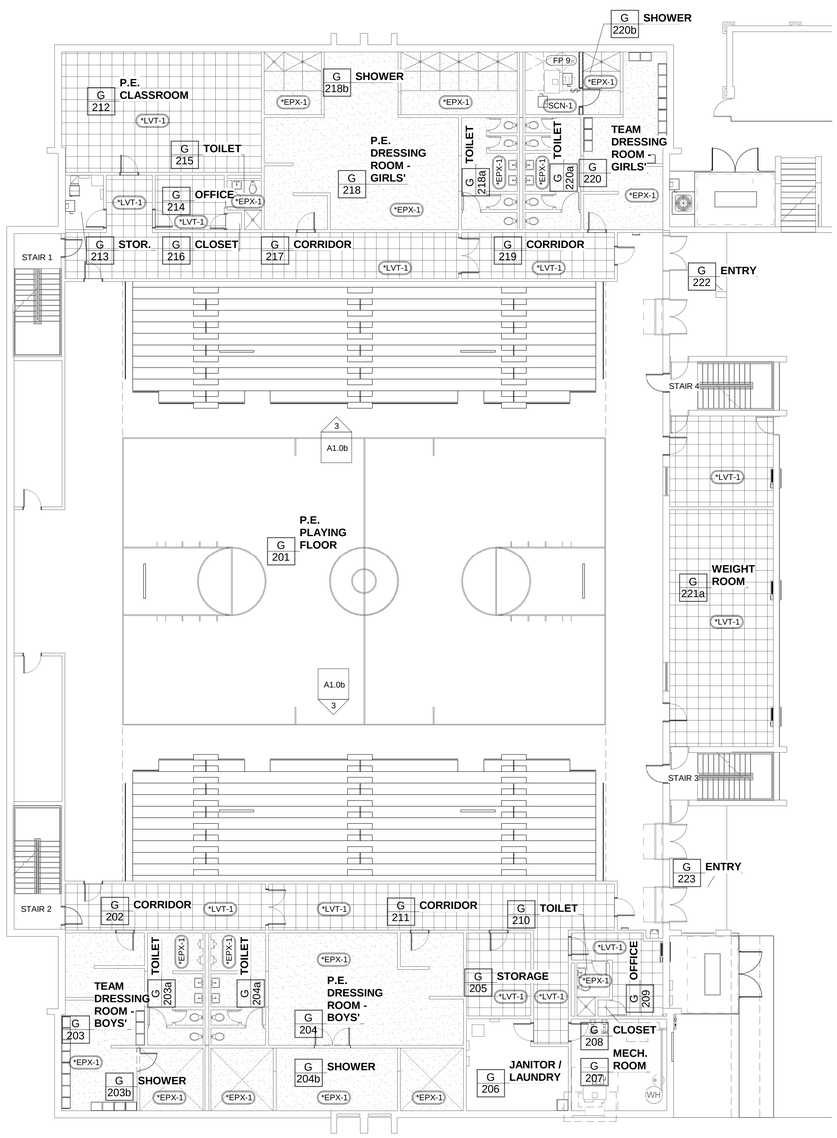
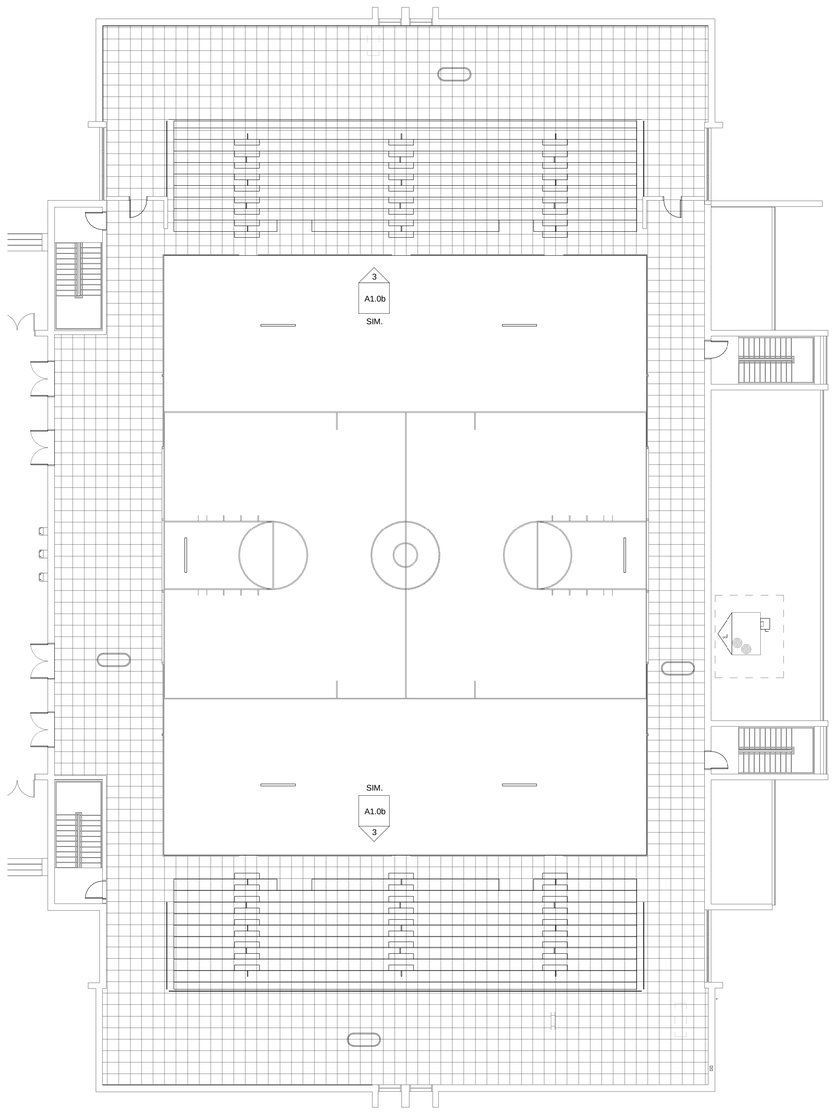


1 A1.0b LOWER LEVEL FINISH PLAN
3/32" = 1'-0"



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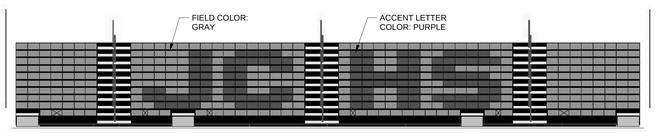
3/32" = 1'-0"



3 A1.0b TYPICAL BLEACHERS ELEVATION (UPPER & LOWER)
1/8" = 1'-0"

FINISH PLAN LEGEND

GENERAL NOTES

A. THE FINISHES DEFINED ON THIS DRAWINGS SHALL BE USED FOR BID PURPOSES ONLY AND ONLY TO DEFINE SCOPE OF FINISHING EXTENTS. PRIOR TO INSTALLATION OF FINISHES, CONTACTOR TO ACQUIRE AN UPDATED AND FINAL SET OF INTERIOR FINISH PLANS.
B. PRIOR TO THE PURCHASE AND INSTALLATION OF FINISHES, CONTRACTOR TO VERIFY THAT THIS DRAWING REPRESENTS THE FINAL SET OF FLOOR PATTERN PLANS.
C. REFERENCE SPECIFICATIONS FOR FLOORING INSTALLATION STANDARDS AND REQUIREMENTS.
D. IF A FLOOR FINISH COLOR IS NOT DEFINED ON THE "COLOR SCHEDULE", CONTRACTOR TO SUBMIT CHOSEN MANUFACTURER'S COLOR OPTIONS TO ARCHITECT FOR COLOR SELECTION.
E. FLOORING AND PATTERN TRANSITIONS TO OCCUR AT DOORWAY THRESHOLDS, WHERE APPLICABLE, UNLESS NOTED OTHERWISE. (EXCEPTIONS NOTED IN THESE DRAWINGS)
F. SEE FINISH PLANS FOR ADDITIONAL INFORMATION.

* FLOOR FINISHES TO BE BID IN BID-ALTERNATE #1. SEE ALTERNATES SPECIFICATION (01 23 00).

FLOOR COVERING PLAN SYMBOL LEGEND

REFERENCE	COLOR		
	LVT-1	TYP. FIELD	XXX-# FLOOR COVERING DESIGNATION. SEE "COLOR SCHEDULE" FOR COLOR SPECIFICATION
	EPX-1	RESTROOM	FLOOR TRANSITION LOCATION (IF OTHER THAN DOOR THRSHOLD)
	S.CN.	SEALED CONCRETE	PATTERN START POINT

INTERIOR FINISH LEGEND

GENERAL NOTES

A. SEE SPECIFICATIONS FOR LEVEL OF FINISHING EXTENTS.
B. IF A FINISH TYPE IS NOT SPECIFIED, CONTRACTOR TO NOTIFY ARCHITECT OF DISCREPANCY, IN WRITING, AS SOON AS POSSIBLE.
C. REFERENCE FINISH PLANS, INTERIOR ELEVATIONS, CASEWORK ELEVATIONS AND FLOOR COVERING PLANS FOR ACTUAL COLOR DESIGNATIONS.
D. WHERE DIFFERING FLOOR MATERIALS MEET, PROVIDE FLOOR TRANSITION (THRESHOLD, REDUCER STRIP, ETC.) PER SCHEDULE BELOW.
E. WHERE NEW WALL FINISH ARE SPECIFIED IN EXISTING SPACE, PREP WALL TO BE FREE OF ADHESIVE, ACCESSORIES, ETC. REINSTALL EXISTING WALL ACCESSORIES AND FIXTURES PER OWNER'S INSTRUCTION.

FLOOR TRANSITION SCHEDULE

TR1. FLOOR TRANSITIONS TO OCCUR AT CENTER OF DOOR THRESHOLDS, UNLESS INDICATED OTHERWISE BY ATYPICAL FLOORING TRANSITION SYMBOL (SEE SYMBOL LEGEND)
TR2. WHERE DIFFERING FLOOR MATERIALS MEET, PROVIDE FLOOR TRANSITION (THRESHOLD, REDUCER, ETC.) PER SCHEDULE BELOW:

LVT - SCN	= RESILIENT REDUCER (09 65 13)
PS.CN - C.P.T. /LVT/RUB/WD	= ALUMINUM REDUCER (09 31 00)
EPX - LVT	= MARBLE THRESHOLD (09 31 00)

FINISH ABBREVIATION KEY

FLOOR FINISH - SEE FLOOR PATTERN PLAN FOR PROPOSED COMPLEXITY OF FLOOR PATTERNS

EPX-1	=	DECORATIVE RESINOUS EPOXY FLOORING (09 67 13)
LVT-1	=	LUXURY VINYL TILE (09 65 13)
SCN	=	SEALED CONCRETE
PS. CN	=	POLISHED & STAINED CONRETE (03 36 00)

RESILIENT ACCESSORIES (09 65 13) - SEE FINISH PLANS AND ELEVATIONS FOR COLOR DESIGNATIONS

WALL BASE

EPX	=	DECORATIVE RESINOUS EPOXY BASE (09 67 13)
RB	=	STANDARD RESILIENT WALL BASE (09 65 13)
VRB	=	GYM VENTED RESILIENT WALL BASE (09 64 13)

WALL MATERIAL - SEE FLOOR PLANS FOR EXTENTS

CMU	=	CONCRETE MASONRY UNIT
GB	=	GYPSUM BOARD (09 21 16.23)
GFP	=	MOISTURE RESISTANT GYPSUM FIBER PANEL (09 21 16.23)

CEILING MATERIAL - SEE REFLECTED CEILING PLAN FOR EXTENTS

APC	=	ACOUSTICAL PANEL CEILING (09 51 13)
GB	=	GYPSUM BOARD (09 21 16.23)
MGB	=	MOISTURE RESISTANT GYPSUM FIBER PANEL (09 21 16.23)
EXS	=	NO CEILING - EXPOSED TO STRUCTURE ABOVE

WALL & CEILING FINISHES

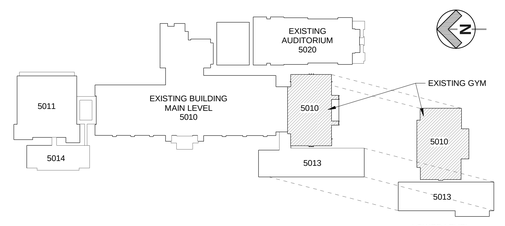
PT	=	PAINT (09 91 13)
GWC	=	GLAZED WALL COATING (09 91 13)
DF	=	DRY FOG (09 91 13)

ROOM FINISH SCHEDULE

Suite / Room No.	Room Name	Floor	Base	Wall Material	Wall Finish	Ceiling Material	Ceiling Finish	Comments	Area
G 101	P.E. AREA	EXIST.	EXIST.	CMU	PT	EXS			4,182 SF
G 102	P.E. AREA	EXIST.	EXIST.	CMU	PT	EXS			4,166 SF
G 103	STAIR 2	EXIST.	EXIST.	CMU	EXIST.	EXS			180 SF
G 104	STAIR 3	EXIST.	EXIST.	CMU	EXIST.	EXS			150 SF
G 105	STAIR 4	EXIST.	EXIST.	CMU	EXIST.	EXS			150 SF
G 106	STAIR 1	EXIST.	EXIST.	CMU	EXIST.	EXS			180 SF
G 201	P.E. PLAYING FLOOR	EXIST.	EXIST.	CMU	EXIST.	EXS			11,205 SF
G 202	CORRIDOR	*LVT-1	*RB	CMU	PT	APC-1			279 SF
G 203	TEAM DRESSING ROOM - BOYS'	*EPX-1	*EPX-1	CMU	GWC	APC-2			412 SF
G 203a	TOILET	*EPX-1	*EPX-1	CMU	GWC	APC-2			188 SF
G 203b	SHOWER	*EPX-1	*EPX-1	CMU	PT	GFP	PT		120 SF
G 204	P.E. DRESSING ROOM - BOYS'	*EPX-1	*EPX-1	CMU	GWC	GFP	PT		655 SF
G 204a	TOILET	*EPX-1	*EPX-1	CMU	GWC	GFP	PT		188 SF
G 204b	SHOWER	*EPX-1	*EPX-1	CMU	PT	GFP	PT		229 SF
G 205	STORAGE	*LVT-1	*RB	CMU	PT	APC-1			162 SF
G 206	JANITOR / LAUNDRY	EXIST.	EXIST.	CMU	EXIST.	APC-2			251 SF
G 207	MECH. ROOM	EXIST.	EXIST.	CMU	EXIST.	EXS			265 SF
G 208	CLOSET	*LVT-1	*RB	CMU	PT	APC-1			6 SF
G 209	OFFICE	*LVT-1	*RB	CMU	PT	APC-1			157 SF
G 210	TOILET	*EPX-1	*EPX-1	CMU	GWC	APC-2			45 SF
G 211	CORRIDOR	*LVT-1	*RB	CMU	PT	APC-1			600 SF
G 212	P.E. CLASSROOM	*LVT-1	*RB	CMU	PT	APC-1			727 SF
G 213	STOR.	EXIST.	EXIST.	CMU	EXIST.	APC-1			62 SF
G 214	OFFICE	*LVT-1	*RB	CMU	PT	APC-1			114 SF
G 215	TOILET	*EPX-1	*EPX-1	CMU	GWC	APC-2			41 SF
G 216	CLOSET	*LVT-1	*RB	CMU	PT	APC-1			7 SF
G 217	CORRIDOR	*LVT-1	*RB	CMU	PT	APC-1			628 SF
G 218	P.E. DRESSING ROOM - GIRLS'	*EPX-1	*EPX-1	CMU	GWC	GFP	PT		654 SF
G 218a	TOILET	*EPX-1	*EPX-1	CMU	GWC	GFP	PT		189 SF
G 218b	SHOWER	*EPX-1	*EPX-1	CMU	GWC	GFP	PT		146 SF
G 219	CORRIDOR	*LVT-1	*RB	CMU	PT	APC-1			212 SF
G 220	TEAM DRESSING ROOM - GIRLS'	*EPX-1	*EPX-1	CMU	GWC	APC-2			355 SF
G 220a	TOILET	*EPX-1	*EPX-1	CMU	GWC	APC-2			189 SF
G 220b	SHOWER	*EPX-1	*EPX-1	CMU	GWC	GFP	PT		70 SF
G 220c	MECH.	SCN-1	RB	CMU	PT	EXS			102 SF
G 221a	WEIGHT ROOM	*LVT-1	*RB	CMU	PT	APC-1			743 SF
G 221b	TRAINING	*LVT-1	*RB	CMU	PT	APC-1			283 SF
G 222	ENTRY	EXIST.	N/A		N/A				212 SF
G 223	ENTRY	EXIST.	N/A		N/A				215 SF

BID ALTERNATE #1

KEY PLAN



ROBERTSON LOIA ROOF ARCHITECTS & ENGINEERS
3460 Preston Ridge Road . Suite 275 . Alpharetta, GA. 30005
770.674.2600 / www.rlrpc.com
GA COA # PEF000562 EXPIRES: 06/30/2024

STATE OF GEORGIA
TODD E. GILBERT
CERTIFICATE NO. 032509
REGISTERED ARCHITECT
2/1/2024

Jones County High School - Gym Renovations

Gray, Georgia
FOR:
Jones County School System
Overall Square Footage = 189,519 SF (Existing)
Renovation Square Footage = 189,519 SF (Existing)
School Code: 684-0192; FTE=1,525 (Existing); IUs=95 (Existing)

#	DESCRIPTION	DATE
REVISIONS		

SHEET TITLE: FINISH PLAN - GYM MAIN AND LOWER LEVEL, FINISH SCHEDULE

DATE: 2/1/2024

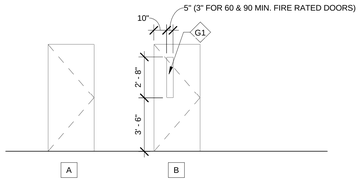
PROJECT NUMBER: 20116

SHEET NUMBER: A1.0b

DOOR AND SIGN SCHEDULE

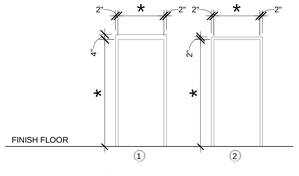
DOOR NO.	DESCRIPTION	DOOR Width	Height	Thickness	Elevation	Material	FIRE RATING	FRAME Elevation	Material	Head	Jamb	PARTITION	REMARKS
A136a	COMMONS	6' - 0"	7' - 0"	1 3/4"	B	WOOD	45 MIN.	1	HOLLOW METAL	EXIST.	EXIST.	EXIST.	BID-ALTERNATE #2 - NEW PAIR OF 3'-0" DOORS AND HARDWARE, REUSE EXISTING FRAME
A136b	COMMONS	6' - 0"	7' - 0"	1 3/4"	B	WOOD	45 MIN.	1	HOLLOW METAL	EXIST.	EXIST.	EXIST.	BID-ALTERNATE #2 - NEW PAIR OF 3'-0" DOORS AND HARDWARE, REUSE EXISTING FRAME
A136c	COMMONS	6' - 0"	7' - 0"	1 3/4"	B	WOOD	45 MIN.	1	HOLLOW METAL	EXIST.	EXIST.	EXIST.	BID-ALTERNATE #2 - NEW PAIR OF 3'-0" DOORS AND HARDWARE, REUSE EXISTING FRAME
A136d	COMMONS	6' - 0"	7' - 0"	1 3/4"	B	WOOD	45 MIN.	1	HOLLOW METAL	EXIST.	EXIST.	EXIST.	BID-ALTERNATE #2 - NEW PAIR OF 3'-0" DOORS AND HARDWARE, REUSE EXISTING FRAME
G102a	P.E. AREA	3' - 0"	7' - 0"	1 3/4"	A	WOOD		1	HOLLOW METAL	EXIST.	EXIST.	EXIST.	BID-ALTERNATE #2 - NEW 3'-0" DOOR AND HARDWARE, REUSE EXISTING FRAME
G102b	P.E. AREA	3' - 0"	7' - 0"	1 3/4"	A	WOOD		1	HOLLOW METAL	EXIST.	EXIST.	EXIST.	BID-ALTERNATE #2 - NEW 3'-0" DOOR AND HARDWARE, REUSE EXISTING FRAME
G103a	STAIR 2	3' - 0"	6' - 8"	1 3/4"	A	WOOD	60 MIN.	2	HOLLOW METAL	EXIST.	EXIST.	EXIST.	BID-ALTERNATE #2 - NEW 3'-0" DOOR AND HARDWARE, REUSE EXISTING FRAME
G103b	STAIR 2	3' - 0"	6' - 8"	1 3/4"	A	WOOD	60 MIN.	2	HOLLOW METAL	EXIST.	EXIST.	EXIST.	BID-ALTERNATE #2 - NEW 3'-0" DOOR AND HARDWARE, REUSE EXISTING FRAME
G104a	STAIR 3	3' - 0"	7' - 0"	1 3/4"	A	WOOD	60 MIN.	1	HOLLOW METAL	EXIST.	EXIST.	EXIST.	BID-ALTERNATE #2 - NEW 3'-0" DOOR AND HARDWARE, REUSE EXISTING FRAME
G104b	STAIR 3	3' - 0"	7' - 0"	1 3/4"	A	WOOD	60 MIN.	1	HOLLOW METAL	EXIST.	EXIST.	EXIST.	BID-ALTERNATE #2 - NEW 3'-0" DOOR AND HARDWARE, REUSE EXISTING FRAME
G105a	STAIR 4	3' - 0"	7' - 0"	1 3/4"	A	WOOD	60 MIN.	1	HOLLOW METAL	EXIST.	EXIST.	EXIST.	BID-ALTERNATE #2 - NEW 3'-0" DOOR AND HARDWARE, REUSE EXISTING FRAME
G105b	STAIR 4	3' - 0"	7' - 0"	1 3/4"	A	WOOD	60 MIN.	1	HOLLOW METAL	EXIST.	EXIST.	EXIST.	BID-ALTERNATE #2 - NEW 3'-0" DOOR AND HARDWARE, REUSE EXISTING FRAME
G106a	STAIR 1	3' - 0"	6' - 8"	1 3/4"	A	WOOD	60 MIN.	2	HOLLOW METAL	EXIST.	EXIST.	EXIST.	BID-ALTERNATE #2 - NEW 3'-0" DOOR AND HARDWARE, REUSE EXISTING FRAME
G106b	STAIR 1	3' - 0"	7' - 0"	1 3/4"	A	WOOD	60 MIN.	1	HOLLOW METAL	EXIST.	EXIST.	EXIST.	BID-ALTERNATE #2 - NEW 3'-0" DOOR AND HARDWARE, REUSE EXISTING FRAME
G201a	P.E. PLAYING FLOOR	3' - 0"	6' - 8"	1 3/4"	A	WOOD		2	HOLLOW METAL				BID-ALTERNATE #2 - NEW 3'-0" DOOR AND HARDWARE, REUSE EXISTING FRAME
G201b		3' - 0"	6' - 8"	1 3/4"	A	WOOD		2	HOLLOW METAL				BID-ALTERNATE #2 - NEW 3'-0" DOOR AND HARDWARE, REUSE EXISTING FRAME
G202a	CORRIDOR	3' - 0"	7' - 0"	1 3/4"	B	WOOD		1	HOLLOW METAL	EXIST.	EXIST.	EXIST.	BID-ALTERNATE #2 - NEW 3'-0" DOOR AND HARDWARE, REUSE EXISTING FRAME
G202b	CORRIDOR	6' - 0"	6' - 8"	1 3/4"	B	WOOD		2	HOLLOW METAL	EXIST.	EXIST.	EXIST.	BID-ALTERNATE #2 - NEW PAIR OF 3'-0" DOORS AND HARDWARE, REUSE EXISTING FRAME
G203a	TEAM DRESSING ROOM - BOYS'	3' - 0"	6' - 8"	1 3/4"	A	WOOD		2	HOLLOW METAL	EXIST.	EXIST.	EXIST.	BID-ALTERNATE #2 - NEW 3'-0" DOOR AND HARDWARE, REUSE EXISTING FRAME
G203b	TEAM DRESSING ROOM - BOYS'	3' - 0"	7' - 0"	1 3/4"	A	WOOD		1	HOLLOW METAL	3/A1.0b	4/A1.0b	6" CMU	NEW DOOR
G204a	P.E. DRESSING ROOM - BOYS'	3' - 0"	6' - 8"	1 3/4"	A	WOOD		2	HOLLOW METAL	EXIST.	EXIST.	EXIST.	BID-ALTERNATE #2 - NEW 3'-0" DOOR AND HARDWARE, REUSE EXISTING FRAME
G204b	P.E. DRESSING ROOM - BOYS'	6' - 0"	7' - 0"	1 3/4"	A	WOOD		1	HOLLOW METAL	3/A1.0b	4/A1.0b	6" CMU	NEW PAIR OF DOORS
G205a	STORAGE	3' - 0"	6' - 8"	1 3/4"	A	WOOD		2	HOLLOW METAL	EXIST.	EXIST.	EXIST.	BID-ALTERNATE #2 - NEW 3'-0" DOOR AND HARDWARE, REUSE EXISTING FRAME
G206a	JANITOR / LAUNDRY	3' - 0"	6' - 8"	1 3/4"	A	WOOD		2	HOLLOW METAL	EXIST.	EXIST.	EXIST.	BID-ALTERNATE #2 - NEW 3'-0" DOOR AND HARDWARE, REUSE EXISTING FRAME
G207a	MECH. ROOM	3' - 0"	6' - 8"	1 3/4"	A	WOOD		2	HOLLOW METAL	EXIST.	EXIST.	EXIST.	BID-ALTERNATE #2 - NEW 3'-0" DOOR AND HARDWARE, REUSE EXISTING FRAME
G209a	OFFICE	3' - 0"	6' - 8"	1 3/4"	A	WOOD		2	HOLLOW METAL	EXIST.	EXIST.	EXIST.	BID-ALTERNATE #2 - NEW 3'-0" DOOR AND HARDWARE, REUSE EXISTING FRAME
G211a	CORRIDOR	3' - 0"	6' - 8"	1 3/4"	B	WOOD		2	HOLLOW METAL	EXIST.	EXIST.	EXIST.	BID-ALTERNATE #2 - NEW 3'-0" DOOR AND HARDWARE, REUSE EXISTING FRAME
G212a	P.E. CLASSROOM	3' - 0"	6' - 8"	1 3/4"	A	WOOD		2	HOLLOW METAL	EXIST.	EXIST.	EXIST.	BID-ALTERNATE #2 - NEW 3'-0" DOOR AND HARDWARE, REUSE EXISTING FRAME
G213a	STOR.	3' - 0"	6' - 8"	1 3/4"	A	WOOD		2	HOLLOW METAL	EXIST.	EXIST.	EXIST.	BID-ALTERNATE #2 - NEW 3'-0" DOOR AND HARDWARE, REUSE EXISTING FRAME
G214a	OFFICE	3' - 0"	6' - 8"	1 3/4"	A	WOOD		2	HOLLOW METAL	EXIST.	EXIST.	EXIST.	BID-ALTERNATE #2 - NEW 3'-0" DOOR AND HARDWARE, REUSE EXISTING FRAME
G214b	CLOSET	2' - 6"	6' - 8"	1 3/4"	A	WOOD		2	HOLLOW METAL	EXIST.	EXIST.	EXIST.	BID-ALTERNATE #2 - NEW CLOSET DOOR AND HARDWARE, REUSE EXISTING FRAME
G217a	CORRIDOR	3' - 0"	6' - 8"	1 3/4"	B	WOOD		2	HOLLOW METAL	EXIST.	EXIST.	EXIST.	BID-ALTERNATE #2 - NEW 3'-0" DOOR AND HARDWARE, REUSE EXISTING FRAME
G218a	P.E. DRESSING ROOM - GIRLS'	3' - 0"	6' - 8"	1 3/4"	A	WOOD		2	HOLLOW METAL	EXIST.	EXIST.	EXIST.	BID-ALTERNATE #2 - NEW 3'-0" DOOR AND HARDWARE, REUSE EXISTING FRAME
G218b	CORRIDOR	6' - 0"	6' - 8"	1 3/4"	B	WOOD		2	HOLLOW METAL	EXIST.	EXIST.	EXIST.	BID-ALTERNATE #2 - NEW PAIR OF 3'-0" DOORS AND HARDWARE, REUSE EXISTING FRAME
G219b	CORRIDOR	3' - 0"	6' - 8"	1 3/4"	B	WOOD		2	HOLLOW METAL	EXIST.	EXIST.	EXIST.	BID-ALTERNATE #2 - NEW 3'-0" DOOR AND HARDWARE, REUSE EXISTING FRAME
G220a	TEAM DRESSING ROOM - GIRLS'	3' - 0"	6' - 8"	1 3/4"	A	WOOD		2	HOLLOW METAL	EXIST.	EXIST.	EXIST.	BID-ALTERNATE #2 - NEW 3'-0" DOOR AND HARDWARE, REUSE EXISTING FRAME
G220b	MECH.	3' - 0"	7' - 0"	1 3/4"	A	WOOD	60 MIN.	1	HOLLOW METAL	3/A1.0b	4/A1.0b	8" CMU	NEW DOOR
G221a	P.E. PLAYING FLOOR	3' - 0"	7' - 0"	1 3/4"	B	WOOD		1	HOLLOW METAL	EXIST.	EXIST.	EXIST.	BID-ALTERNATE #2 - PAIR 3'-0" DOORS, REINSTALL EXISTING DOOR HARDWARE
G221b	P.E. PLAYING FLOOR	3' - 0"	7' - 0"	1 3/4"	B	WOOD		1	HOLLOW METAL	EXIST.	EXIST.	EXIST.	BID-ALTERNATE #2 - PAIR 3'-0" DOORS, REINSTALL EXISTING DOOR HARDWARE

*GC TO VERIFY ALL EXISTING DOOR AND FRAME SIZES



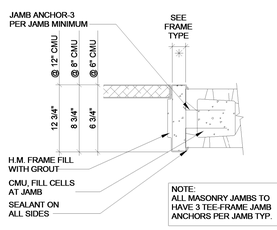
* DOOR SIZE VARIES - SEE DOOR SCHEDULE

8 A1.0c **DOOR ELEVATION**
1/4" = 1'-0"

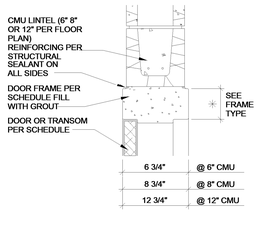


* DOOR SIZE VARIES - SEE DOOR SCHEDULE
** SEE PLAN FOR OVERALL OPENING WIDTH

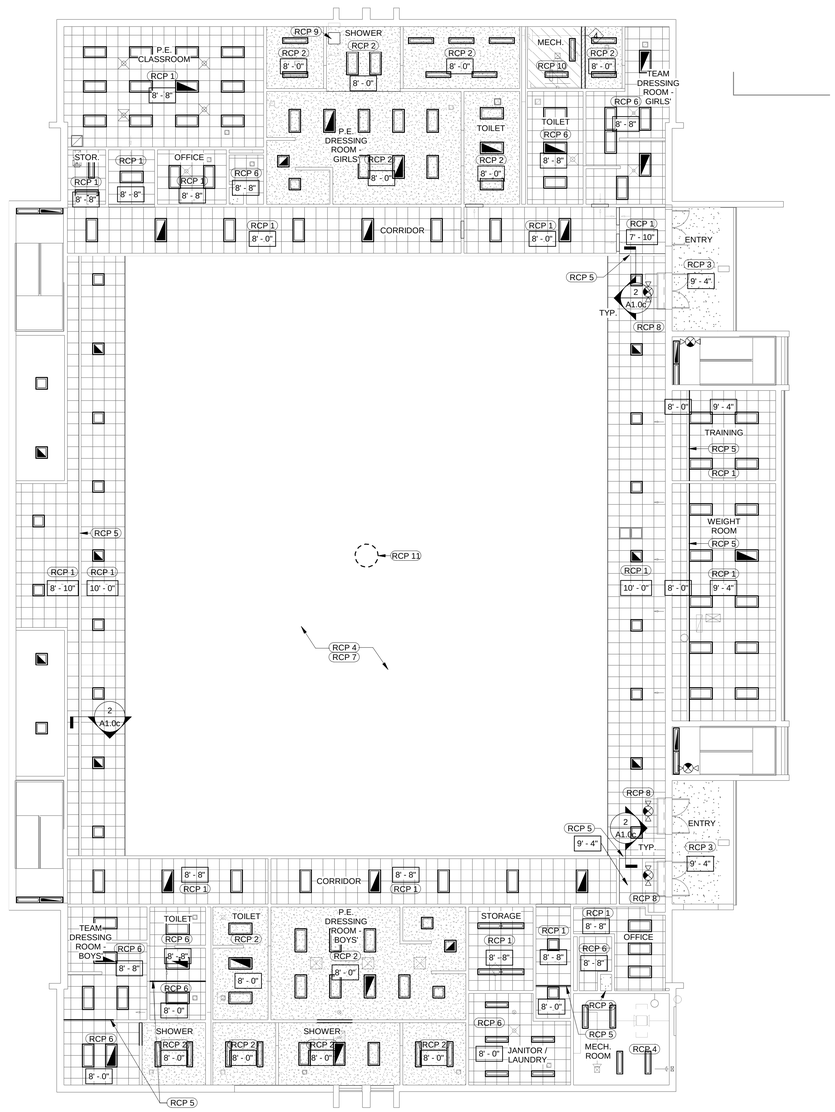
7 A1.0c **FRAME ELEVATIONS**
1/4" = 1'-0"



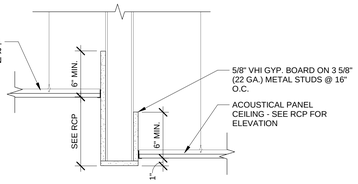
6 A1.0c **JAMB DETAIL - HM**
1 1/2" = 1'-0"



5 A1.0c **HEAD DETAIL - HM**
1 1/2" = 1'-0"

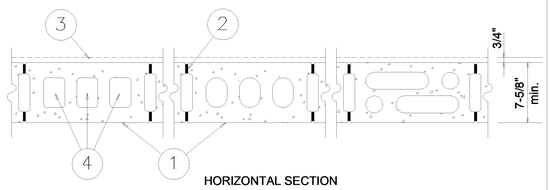


1 A1.0c **LOWER LEVEL RCP**
3/32" = 1'-0"



2 A1.0c **GYPSUM SOFFIT DETAIL**
1 1/2" = 1'-0"

U. L. Design No. U905
Bearing Wall Rating-2 Hr.
Nonbearing Wall Rating-2 Hr.

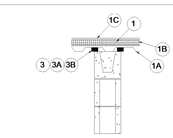


HORIZONTAL SECTION

1. Concrete Blocks*-Various designs. Classification D-2 (2 hr.).
   See Concrete Blocks category for lists of eligible manufacturers.
2. Mortar-Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean, sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.
3. Portland Cement Stucco or Gypsum Plaster-Add 1/2 hr. to Classification if used. Where combustible members are framed in wall, plaster or stucco must be applied on the face opposite framing to achieve a max. Classification of 1-1/2 hr. Attached to concrete blocks (Item 1).
4. Loose Masonry Fill-If all core spaces are filled with loose dry expanded slag, burned clay or shale (rotary kiln process), water repellent vermiculite masonry fill insulation, or silicone treated perlite loose fill insulation, add 2 hr. to Classification.
5. Foamed Plastic*-(Optional-Not Shown)- 1-1/2 in. thick max., 4 ft. wide sheathing attached to concrete blocks (Item 1).
   BPB America Inc.
   BPB Celotex-Type Thermax

* Bearing the UL Classification Marking.

4 A1.0c **UL DETAIL U905**
12" = 1'-0"



VERTICAL SECTION

(2) HOUR HEAD WALL DETAIL

1. ROOF ASSEMBLY - FLUTED STEEL DECK ROOF ASSEMBLY MAY BE USED. THE ROOF ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL FTOO SERIES ROOF CEILING DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. THE ROOF ASSEMBLY SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

A. STEEL ROOF DECK - MAX 76 MM (3 IN.) DEEP GALV STEEL FLUTED ROOF DECK.

B. ROOF INSULATION MINERAL AND FIBER BOARD* - MIN 19 MM (3/4 IN.) THICK BOARDS APPLIED IN ONE OR MORE LAYERS DIRECTLY OVER STEEL ROOF DECK OR OVER GYPSUM BOARD SHEATHING LAID ATOP STEEL ROOF DECK.

C. ROOF COVERING* MATERIALS COMPATIBLE WITH MINERAL AND FIBER BOARD INSULATION.

2. MECHANICAL JOINT ASSEMBLY* - WALL TO BE INSTALLED PERPENDICULAR TO THE FLUTES OF THE STEEL FLOOR UNITS OR ROOF DECK. WALL SHALL BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*.

SEE CONCRETE BLOCKS* (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.

3. JOINT SYSTEM - MAX SEPARATION BETWEEN BOTTOM OF STEEL FLOOR UNITS OR ROOF DECK AND TOP OF WALL IS 25MM (1 IN.). THE JOINT SYSTEM IS DESIGNED TO ACCOMMODATE A MAX 25 PERCENT COMPRESSION OR EXTENSION FROM ITS INSTALLED WIDTH. THE JOINT SYSTEM CONSISTSOF A FORMING MATERIAL AND A FILL MATERIAL, AS FOLLOWS:

A. FORMING MATERIAL* - MIN 51 MM (2 IN.) THICKNESS OF 4 PCF MINERAL WOOL BATT INSULATION CUT TO FIT THE SHAPE OF THE FLUTED STEEL DECK AND INSTALLED INTO THE FLUTES OF THE STEEL DECK BETWEEN THE TOP OF THE CONCRETE WALL AND THE STEEL DECK. THE MINERAL WOOL IS TO BE COMPRESSED 33 PERCENT IN HEIGHT AND TIGHTLY PACKED SUCH THAT IT IS FLUSH WITH THE CONCRETE WALL.

FIBREX INSULATIONS INC - FRX SAFING INSULATION

ROCK WOOL MANUFACTURING CO - DELTA BOARD

B. FILL, VOID OR CAVITY MATERIAL* - MIN 3 MM (1/8 IN.) WET THICKNESS OF FILL MATERIAL APPLIED ON EACH SIDE OF THE WALL TO COMPLETELY COVER MINERAL WOOL AND OVERLAP A MIN OF 12 MM (1/2 IN.) ONTO CONCRETE WALL AND 51 MM (2 IN.) ONTO THE SPRAYED APPLIED MATERIAL (ITEM 1C).

TREMCO INC - TREMSTOP ACRYLIC SP

*BEARING THE UL CLASSIFICATION MARK

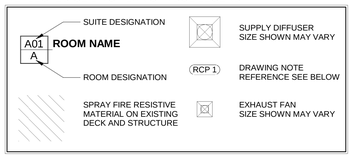
3 A1.0c **UL DETAIL HW-D-0329**
12" = 1'-0"

REFLECTED CEILING PLAN LEGEND

GENERAL NOTES

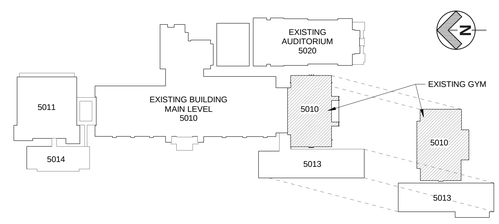
A. ALL ACOUSTICAL PANEL CEILINGS ARE TYPE 1 AND SHALL BE INSTALLED AT EXIST. CEILING HEIGHT,UNLESS NOTED OTHERWISE.
B. ALL CEILINGS SHOWN THAT DO NOT REFLECT 2X2 ACOUSTICAL PANEL GRID SHALL BE GYPSUM BOARD CEILINGS, UNLESS NOTED OTHERWISE.
C. ALL GYPSUM BOARD CEILINGS, SOFFITS AND HEADERS SHALL BE INSTALLED AT EXIST. GYP. BRD HEIGHT, UNLESS NOTED OTHERWISE.
D. GYPSUM BOARD CEILINGS IN RESTROOM BATTERIES SHALL BE INSTALLED AT EXIST. GYP BRD HEIGHT ABOVE FINISHED FLOOR.
E. ALL SUPPLY OR RETURN DIFFUSERS SMALLER THAN 2'-0" x 2'-0" SHALL BE CENTERED IN TILE.
F. FOR ALL CLASSROOM CORRIDORS AND RESTROOM BATTERIES MONOLITHIC OR SUSPENDED CEILING SHALL 1)FORM A CONTINUOUS MEMBRANE; 2) PROVIDE A SMOKE TIGHT JOINT BETWEEN HE TOP OF THE SMOKE PARTITION AND THE BOTTOM OF THE SUSPENDED CEILING; 3)THE SPACE ABOVE THE CEILING IS NOT USED AS A PLENUM.

REFLECTED CEILING PLAN SYMBOL LEGEND



REFLECTED CEILING PLAN DRAWING NOTES	
RCP 1	NEW 2X2 ACOUSTICAL PANEL CEILING SYSTEM (APC-1) TO MATCH EXISTING CEILING HEIGHT; INSTALL LED LIGHT FIXTURES AND MECH. GRILLES - SEE ELECTRICAL AND MECHANICAL DRAWINGS.
RCP 2	REMOVE EXISTING CEILING SYSTEM AND MECHANICAL DIFFUSERS, INSTALL FIBER REINFORCED GYPSUM FIBER PANEL (GFP); INSTALL LED LIGHT FIXTURES AND MECH. GRILLES - SEE ELECTRICAL AND MECHANICAL DRAWINGS.
RCP 3	EXISTING EXTERIOR SOFFIT CEILING TO REMAIN; PAINT TO MATCH EXISTING COLOR.
RCP 4	EXISTING OPEN TO STRUCTURE.
RCP 5	NEW GYPSUM BOARD SOFFIT; SEE DETAIL 2/A1.0c.
RCP 6	NEW 2X2 MOISTURE RESISTANT ACOUSTICAL PANEL CEILING SYSTEM (APC-2) TO MATCH EXISTING CEILING HEIGHT; INSTALL LED LIGHT FIXTURES AND MECH. GRILLES - SEE ELECTRICAL AND MECHANICAL DRAWINGS.
RCP 7	EXISTING LIGHTS ABOVE THE COURT TO REMAIN. LIGHTS ABOVE THE UPPER BLEACHERS TO BE REPLACED TO MATCH THE COURT LIGHTING - SEE ELECTRICAL DRAWINGS.
RCP 8	NEW AIR CURTAIN AT EXTERIOR PAIRS OF DOORS AS NOTED - SEE MECHANICAL DRAWINGS.
RCP 9	NEW 24" SQUARE ACCESS PANEL AT MECHANICAL FAN - SEE MECHANICAL DRAWINGS.
RCP 10	1-HOUR RATED SPRAY-APPLIED FIRE RESISTANT MATERIAL ON EXISTING METAL DECK AND STRUCTURE - UL #D703.
RCP 11	NEW ELECTRIC HOIST AND RETRACTABLE WRESTLING EVENT LIGHT FIXTURE BY RESILITE, CONTACT: BUD HENNEBAUL - SEE ELECTRICAL DRAWINGS.

KEY PLAN



ROBERTSON LOIA ROOF ARCHITECTS & ENGINEERS
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770.674.2600 / www.rlrpc.com
GA.COA # PEF000562 EXPIRES: 06/30/2024

STATE OF GEORGIA
TODD E. GILBERT
CERTIFICATE NO. 027978
REGISTERED ARCHITECT
2/1/2024

Jones County High School Renovations
Gray, Georgia
FOR:
Jones County Schools
Overall Square Footage = 189,519 SF (Existing)
School Code: 684-0192; FTE=1,525 (Existing); IUs=95 (Existing)

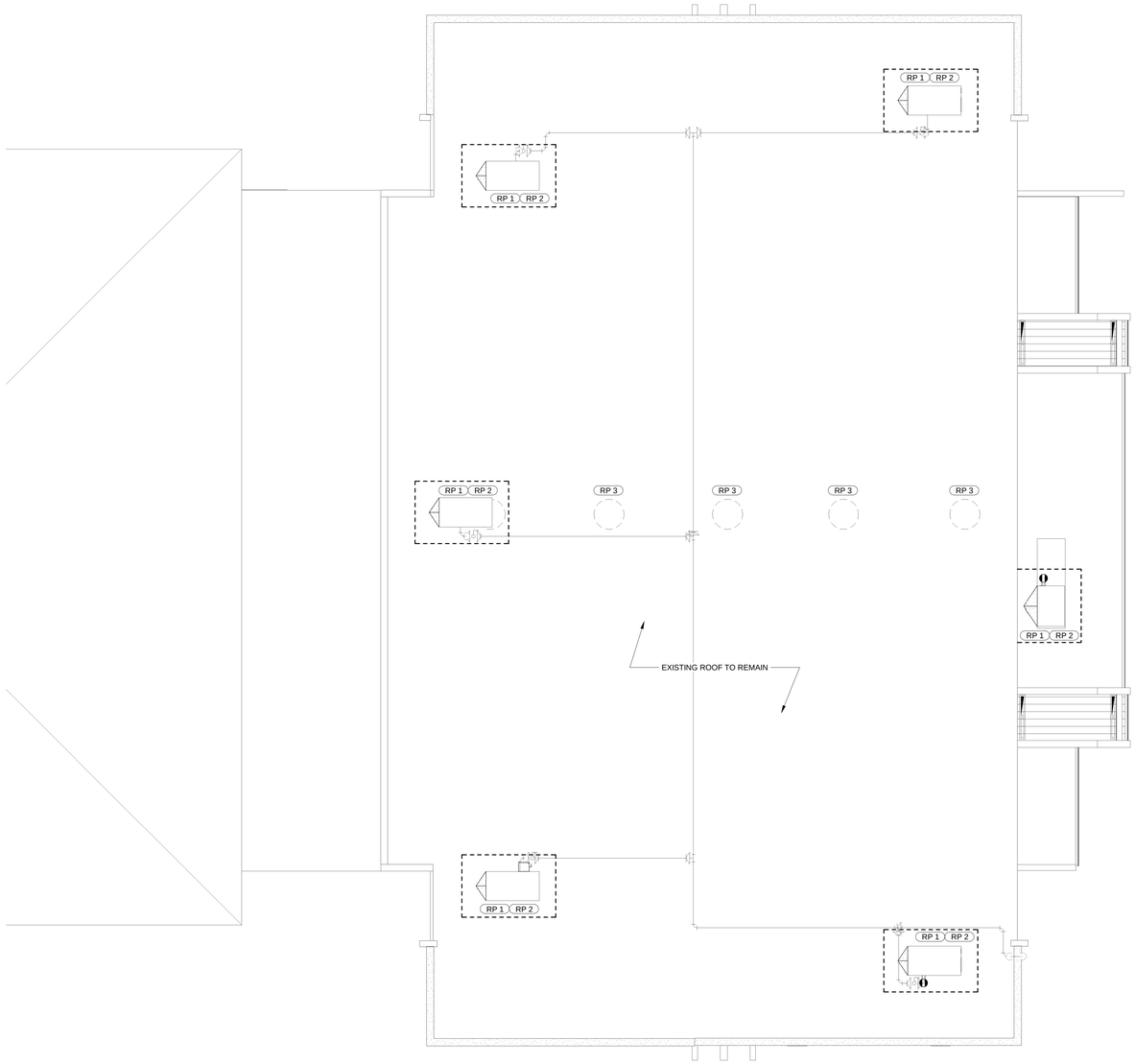
REVISIONS #	DATE	DESCRIPTION

SHEET TITLE: REFLECTED CEILING PLAN - LOWER LEVEL AND DOOR SCHEDULE

DATE: 2/1/2024

PROJECT NUMBER: 20116

SHEET NUMBER: A1.0c



1 A1.1 ROOF PLAN
3/32" = 1'-0"

ROOF PLAN LEGEND

GENERAL NOTES

A. PROVIDE POSITIVE DRAINAGE ALONG ENTIRE ROOF SURFACE. ALL ROOF SURFACES TO BE A MIN. 1/4" PER 12" SLOPE.
B. PATCH EXISTING ROOF AT ALL NEW ROOF PENETRATIONS.
C. PROVIDE CONTINUOUS SEALANT AND BACKER ROD AT ALL JUNCTURES BETWEEN DISSIMILAR MATERIALS, DOW/CORNING #790.

ROOF PLAN SYMBOL LEGEND

RP 1 — DRAWING NOTE REFERENCE SEE BELOW

TAPERED INSULATION

ROOF PLAN DRAWING NOTES	
RP 1	NEW ROOF CRICKET AND BUILT-UP ROOF SYSTEM AND FLASHING AT NEW ROOF TOP UNIT, TYP.
RP 2	SEE MECHANICAL DRAWINGS FOR ROOF TOP UNITS AND STRUCTURAL DRAWINGS FOR STRUCTURAL MODIFICATIONS.
RP 3	EXISTING EXHAUST FANS TO BE CAPPED - SEE MECHANICAL DRAWINGS. BUILT-UP ROOF SYSTEM TO BE REPAIRED.

ROBERTSON LOIA ROOF
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770.674.2600 / www.rlrpc.com
GA COA # PEF000562 EXPIRES 06/30/2024

STATE OF GEORGIA
TODD E. GILBERT
CERTIFICATE NO. 029128
REGISTERED ARCHITECT
12/5/2023

Jones County High School Renovations
Gray, Georgia
FOR:
Jones County Schools
Overall Square Footage = 189,519 SF (Existing)
School Code: 684-0192; FTE=1,525 (Existing); IUs=95 (Existing)

REVISIONS #	DATE	DESCRIPTION

SHEET TITLE: ROOF PLAN

DATE: 2/1/2024

PROJECT NUMBER: 20116

SHEET NUMBER: A1.1

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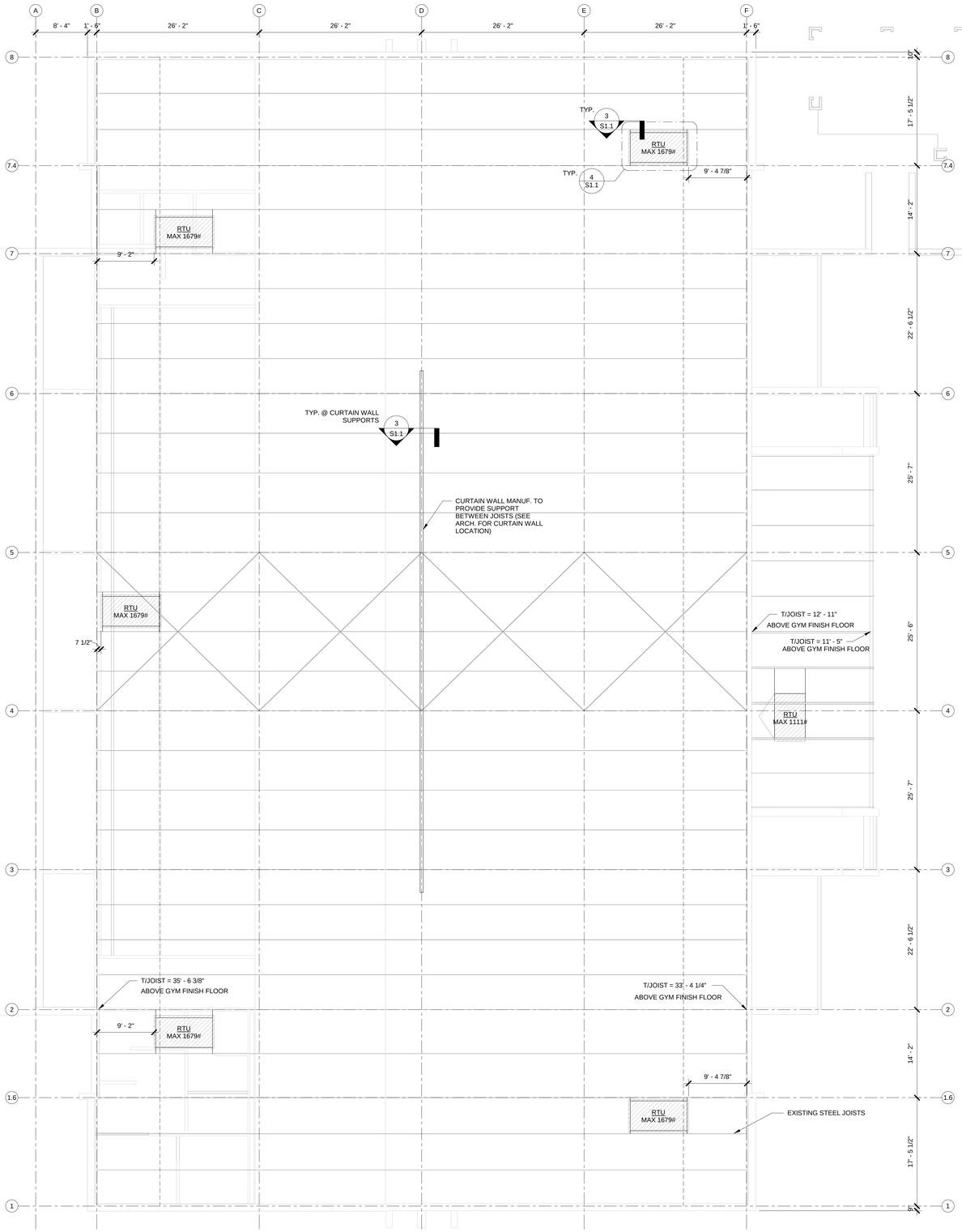
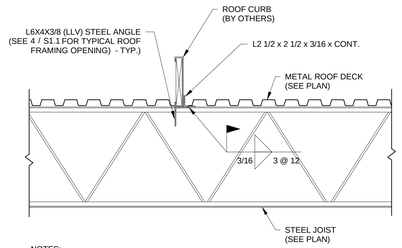
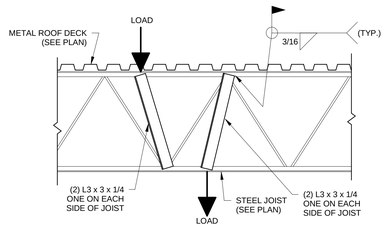


1 S1.1 FRAMING PLAN
1/8" = 1'-0"



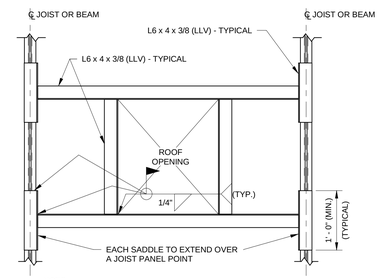
NOTES:
1. SEE ARCHITECTURAL DRAWINGS FOR FLASHING AT ROOF CURB.
2. ROOF CURB SHALL BEAR ON STEEL SUPPORT. FASTEN CURB TO STEEL FRAMING WITH TYPICAL ROOF DECK ATTACHMENT SCREWS AND SPACING.
3. WHERE CURB DOES NOT OCCUR AT A JOIST PANEL POINT, PROVIDE REINFORCING ANGLE PER 3 / S1.1

2 S1.1 TYP. ROOF CURB DETAIL
3/4" = 1'-0"



NOTES:
1. CONCENTRATED LOADS ON BAR JOIST SHALL BE REINFORCED BY FIELD APPLYING AN L3 x 3 x 1/4 WEB MEMBER ON THE JOIST FROM THE POINT OF THE LOAD TO THE NEAREST PANEL POINT ON THE OPPOSITE CHORD.

3 S1.1 TYP. JOIST REINFORCING DETAIL
3/4" = 1'-0"



NOTE:
1. CONTRACTOR SHALL COORDINATE LOCATION & SIZE OF ALL ROOF OPENINGS WITH EQUIPMENT SELECTED
2. DETAIL REQUIRED FOR ALL MECHANICAL EQUIPMENT BUT NOT LIMITED TO RTU's, EXHAUST FANS AND MAKE UP AIR FANS.
3. PROVIDE FRAMING AT ALL OPENINGS GREATER THAN 12".

4 S1.1 TYP. ROOF OPENING DETAIL
3/4" = 1'-0"

ROOF FRAMING NOTES:

1. ROOF TOP UNIT CURBS AND OTHER ROOF CURBS SHALL BEAR DIRECTLY ON STRUCTURAL STEEL FRAMING AS SHOWN - SEE 2 / S1.1 & 4 / S1.1.

2. COORDINATE ROOF OPENING LOCATIONS WITH ARCHITECTURAL FLOOR AND ROOF PLANS AND MECHANICAL DRAWINGS AND UNITS PROVIDED. PROVIDE ROOF FRAMES PER DETAIL 4 / S1.1 AT ALL OPENINGS 12" OR GREATER IN DECK. CONTRACTOR SHALL VERIFY ALL OPENINGS REQUIRED FOR EQUIPMENT SUPPLIED PRIOR TO SUBMITTING SHOP DRAWINGS FOR STRUCTURAL STEEL.

3. CONCENTRATED LOADS ON JOISTS SHALL BE REINFORCED BY FIELD APPLYING A WEB MEMBER IN ACCORDANCE WITH DETAIL 3 / S1.1.

4. SEE GENERAL NOTES ON SHEET S1.1 FOR ROOF LOADS.

GENERAL NOTES:

(THESE SPECIFICATIONS ARE IN ADDITION TO AND DO NOT EXCLUDE ANY FOUND IN THE GENERAL SPECIFICATIONS FOR THE PROJECT)

1. THE CONTRACT STRUCTURAL DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION. PROVIDE ALL MEASURES REQUIRED TO PROTECT THE STRUCTURE, WORKMEN, AND OTHER PERSONS DURING CONSTRUCTION; INCLUDING BRACING, SHORING FOR CONSTRUCTION EQUIPMENT, SHORING FOR THE BUILDING, FORMS AND SCAFFOLDING, SHORING OF RETAINING WALLS AND OTHER TEMPORARY SUPPORTS REQUIRED. COMPLY WITH APPLICABLE REQUIREMENTS OF OSHA AND OTHER GOVERNING BODIES HAVING JURISDICTION AT THE SITE.

2. SHOP DRAWINGS FOR STRUCTURAL STEEL, JOIST, DECKING, AND COLD FORMED METAL TRUSSES SUBMITTALS SHALL COMPLY WITH THE FOLLOWING:

A. CONTRACTOR SHALL FURNISH COMPLETE AND DETAILED SHOP DRAWINGS PREPARED UNDER SUPERVISION OF A REGISTERED STRUCTURAL ENGINEER. THESE DRAWINGS SHALL SHOW SIZES, LOCATION, TYPE AND EXTENT OF ALL MEMBERS, BOLTS AND WELDS.

B. INDICATE THE DATE OF THE STRUCTURAL DRAWINGS USED FOR SHOP DRAWING PREPARATION.

C. INDICATE WELDS BY STANDARD AWS SYMBOLS AND SHOW SIZE LENGTH AND TYPE OF EACH WELD.

D. PROVIDE SETTING DRAWINGS, TEMPLATES AND DIRECTIONS FOR INSTALLATION OF ANCHOR BOLTS AND OTHER ANCHORAGES TO BE INSTALLED BY OTHERS.

E. CONTRACTOR SHALL REVIEW AND STAMP ALL SHOP DRAWINGS PRIOR TO SUBMITTAL FOR ENGINEERING REVIEW.

F. CONTRACTOR SHALL HAVE AN APPROVED SET OF STRUCTURAL STEEL SHOP DRAWINGS AND PROOF OF WELDER CERTIFICATION AT THE JOBSITE AT ALL TIMES.

G. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.

H. SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR BUILDING LOCATION AND ORIENTATION. COORDINATE ALL DIMENSIONS WITH ARCH. DRAWINGS. DO NOT SCALE DRAWING.

I. SECTIONS CUTS INDICATED ON THE DRAWINGS APPLY TO ALL LIKE AND SIMILAR CONDITIONS EVEN THOUGH NOT SPECIFICALLY MARKED ON THE PLANS. COORDINATE SIMILAR CONDITIONS WITH ARCHITECTURAL, MECHANICAL, AND CIVIL DRAWINGS.

3. DESIGN LOADS:
THE BUILDING STRUCTURE DESCRIBED IN THESE PLANS SHALL BE CONSTRUCTED IN COMPLIANCE WITH THE 2018 GEORGIA STATE BUILDING CODE w/ ALL AMENDMENTS. USE ASCE 7-16 CHAPTER 2 FOR ALL LOAD COMBINATIONS AND LOADS NOT INDICATED HEREIN.

A. GRAVITY LOADS
DEAD LOADS:
ROOF: 20 PSF

LIVE LOADS:
ROOF: 20 PSF (REDUCED PER CODE)

B. SNOW LOADS:
GROUND SNOW LOAD (Pg): 5 PSF
BALANCED ROOF SNOW LOAD (Pf=RAIN): 9 PSF
SNOW EXPOSURE FACTOR (Ce): 0.9
SNOW IMPORTANCE FACTOR (Is): 1.0
THERMAL FACTOR (Ct): 1.0

C. WIND LOADS:
BASIC WIND SPEED(3 SEC. GUST): 115 MPH
WIND IMPORTANCE FACTOR (Iw): 1.0
RISK CATEGORY: III
EXPOSURE CATEGORY: B
INTERNAL PRESSURE (GCpi): +/-0.18

REFER TO ASCE-7-16 FOR COMPONENT & CLADDING LOADS

D. SEISMIC DESIGN CRITERIA:
SEISMIC IMPORTANCE FACTOR (Ie): 1.25
RISK CATEGORY: III
MAPPED SPECTRAL RESPONSE ACCELERATIONS:
Ss: 0.203
S1: 0.08
SITE CLASS: D (ASSUMED)
S(DS): 0.217g
S(D1): 0.128g
SITE COEFFICIENT
Fa = 1.6
Fv = 2.4
SEISMIC DESIGN CATEGORY: C
BASIC SEISMIC FORCE RESISTING SYSTEM:
INTERMEDIATE REINFORCED MASONRY SHEAR WALLS AND STRUCTURAL STEEL NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE.
SEISMIC RESPONSE COEFFICIENT (Cs): 0.0119
RESPONSE MODIFICATION FACTORS (R): 4.00
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE

STEEL NOTES:

1. STRUCTURAL STEEL:
A. SHALL CONFORM TO THE LATEST STANDARDS OF ASTM:
WIDE FLANGE BEAMS: A992
OTHER STRUCTURAL STEEL SHAPES, PLATES AND BARS: A36
HOLLOW STRUCTURAL STEEL SECTIONS (ROUND AND RECTANGULAR): A500 GRADE B
STRUCTURAL STEEL PIPE: A53 GRADE B

B. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC 360-16) USING ALLOWABLE STRESS DESIGN.

C. PROVIDE 1" (MINIMUM) NON-SHRINK 5000 PSI GROUT UNDER ALL BASE PLATES.

D. SHOP OR FIELD SPLICES BETWEEN SUPPORTS THAT ARE NOT REQUIRED BY DESIGN WILL NOT BE ALLOWED. ANY MEMBERS CONTAINING SUCH SPLICES FOUND IN THE FIELD SHALL BE REMOVED AND REPLACED WITH UNSPLICED MEMBERS AT THE FABRICATOR'S EXPENSE.

2. WELDS:
A. PROVIDE MINIMUM SIZE OF FILLET WELDS AS SPECIFIED IN TABLE J2.4 OF THE AISC MANUAL.

B. ALL WELDING SHALL CONFORM TO THE LATEST "STRUCTURAL WELDING CODE" BY THE AMERICAN WELDING SOCIETY. ALL WORK SHALL BE PERFORMED BY CERTIFIED WELDERS EXPERIENCED IN THE TYPE OF CONSTRUCTION INVOLVED. PROOF OF WELDER CERTIFICATION SHALL BE AVAILABLE AT THE JOB SITE.

C. DEVELOP THE FULL TENSILE STRENGTH OF THE MEMBER ELEMENT JOINED, ON ALL SHOP AND FIELD WELDS, UNLESS NOTED OTHERWISE ON THE DRAWINGS.

D. ALL WELDS ARE CONTINUOUS FOR THE FULL LENGTH OF THE CONNECTION UNLESS NOTED OTHERWISE ON DRAWINGS.

3. STEEL JOISTS:

A. JOISTS LOADS INDICATED ARE CALCULATED FOR MECHANICAL EQUIPMENT SHOWN AT LOCATIONS INDICATED. NOTIFY ARCH/ENGINEER IF UNITS ARE RELOCATED OR HEAVIER EQUIPMENT IS SUPPLIED.

B. CONCENTRATED LOADS ON BAR JOISTS NOT LOCATED DIRECTLY AT A TOP OR BOTTOM CHORD PANEL POINT SHALL HAVE AN ADDITIONAL WEB ANGLE ADDED AT THE POINT OF LOAD PER DETAIL 3 / S1.1 .

4. METAL DECKING

A. PROVIDE STEEL ROOF FRAMING AT ALL OPENINGS IN FLOOR AND ROOF DECK 12" OR GREATER. ROOFTOP UNIT CURBS AND OTHER UNITS CURBS SHALL BEAR DIRECTLY ON STEEL ANGLE FRAMES. FASTEN CURBS TO FRAMES W/#12 SCREWS @ 12" O.C. OR EQUIVALENT WELDS. ROOF DECK SHALL BE ATTACHED TO ALL FRAME ANGLES @ 12" O.C. OR EVERY FLUTE.

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GA COA # PEF000562 EXPIRES: 06/30/2022

GEORGIA
Certificate
No. SE000762
STRUCTURAL
ENGINEER
CERTIFIED P. MCWILLIAMS
02/01/2024

Jones County High School Renovations

Gray, Georgia
FOR:
Jones County Schools
Overall Square Footage = 189,519 SF (Existing)
School Code: 684-0192; FTE=1,525 (Existing); IUs=95 (Existing)

REVISIONS	DATE	DESCRIPTION
#		

SHEET TITLE
ROOF FRAMING PLAN
AND DETAILS

DATE
2/1/2024

PROJECT NUMBER
20116

SHEET NUMBER
S1.1

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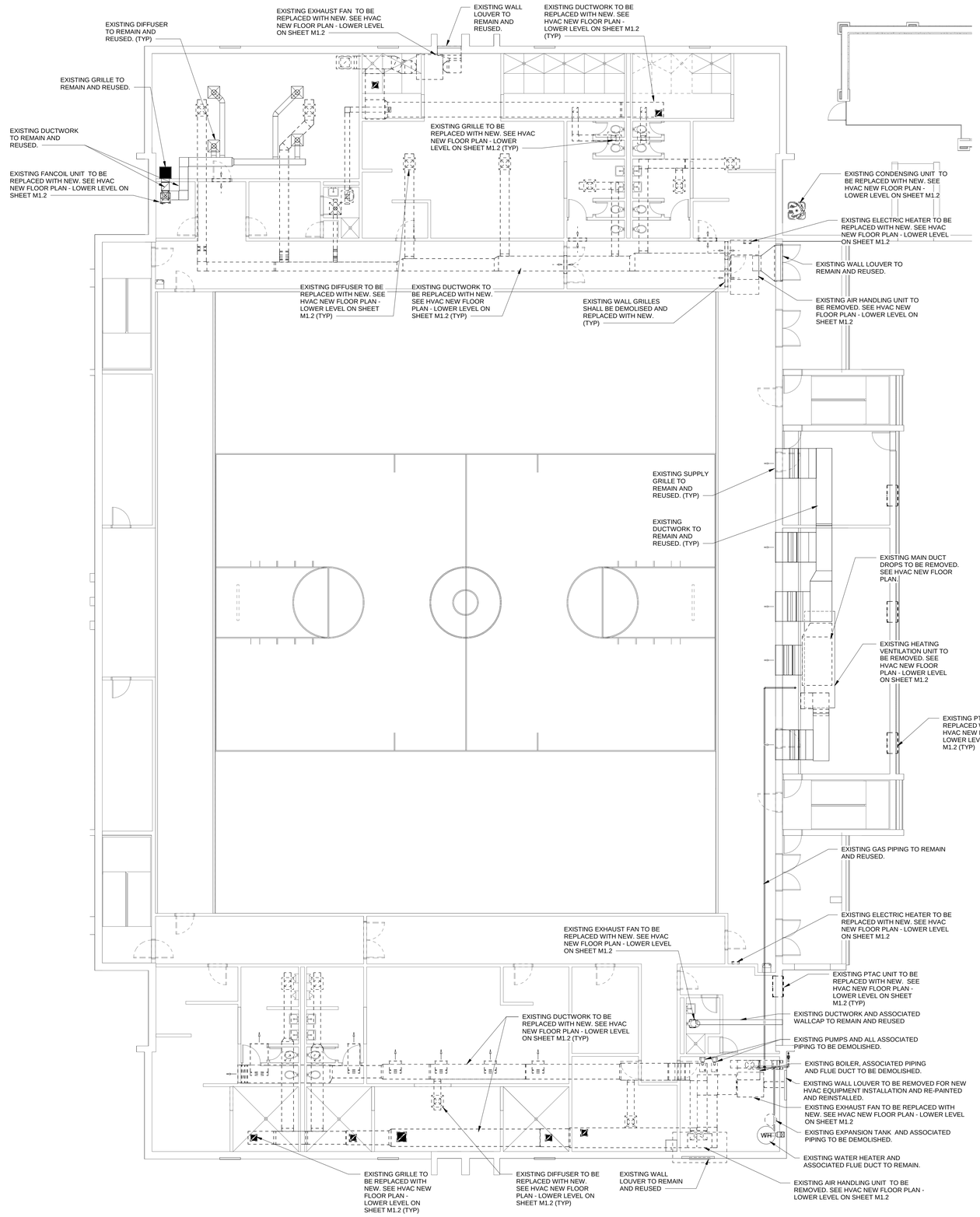

1 M1.0 HVAC DEMOLITION FLOOR PLAN - LOWER LEVEL

1/8" = 1'-0"

DUCTWORK/EQUIPMENT LEGEND
DASHED LINES INDICATE EXISTING HVAC EQUIPMENT, DIFFUSERS AND DUCTWORK TO BE DEMOLISHED.
LIGHT TONE LINES INDICATE EXISTING HVAC EQUIPMENT, DIFFUSERS AND DUCTWORK TO REMAIN/RELOCATE AND REUSED
DARK TONE LINES INDICATE NEW HVAC EQUIPMENT, DIFFUSERS AND DUCTWORK TO BE INSTALLED.

NOTE:
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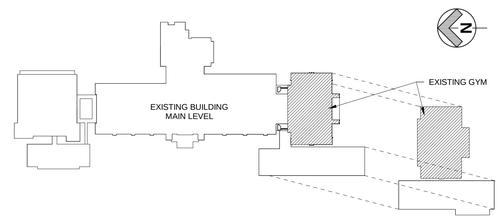

KEYPLAN

ROBERTSON LOIA ROOF
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GA COA # PEF000562 EXPIRES: 06/30/2024

GEORGIA REGISTERED No. 035083 ENGINEER NIMIR N. DEEN
02/01/2024

Jones County High School Renovations
Gray, Georgia
FOR:
Jones County Schools
Overall Square Footage = 189,519 SF (Existing)
School Code: 684-0192; FTE=1,525 (Existing); IUs=95 (Existing)

REVISIONS #	DATE	DESCRIPTION

SHEET TITLE
HVAC DEMOLITION FLOOR PLAN - LOWER LEVEL

DATE
2/1/2024

PROJECT NUMBER
20116

SHEET NUMBER
M1.0

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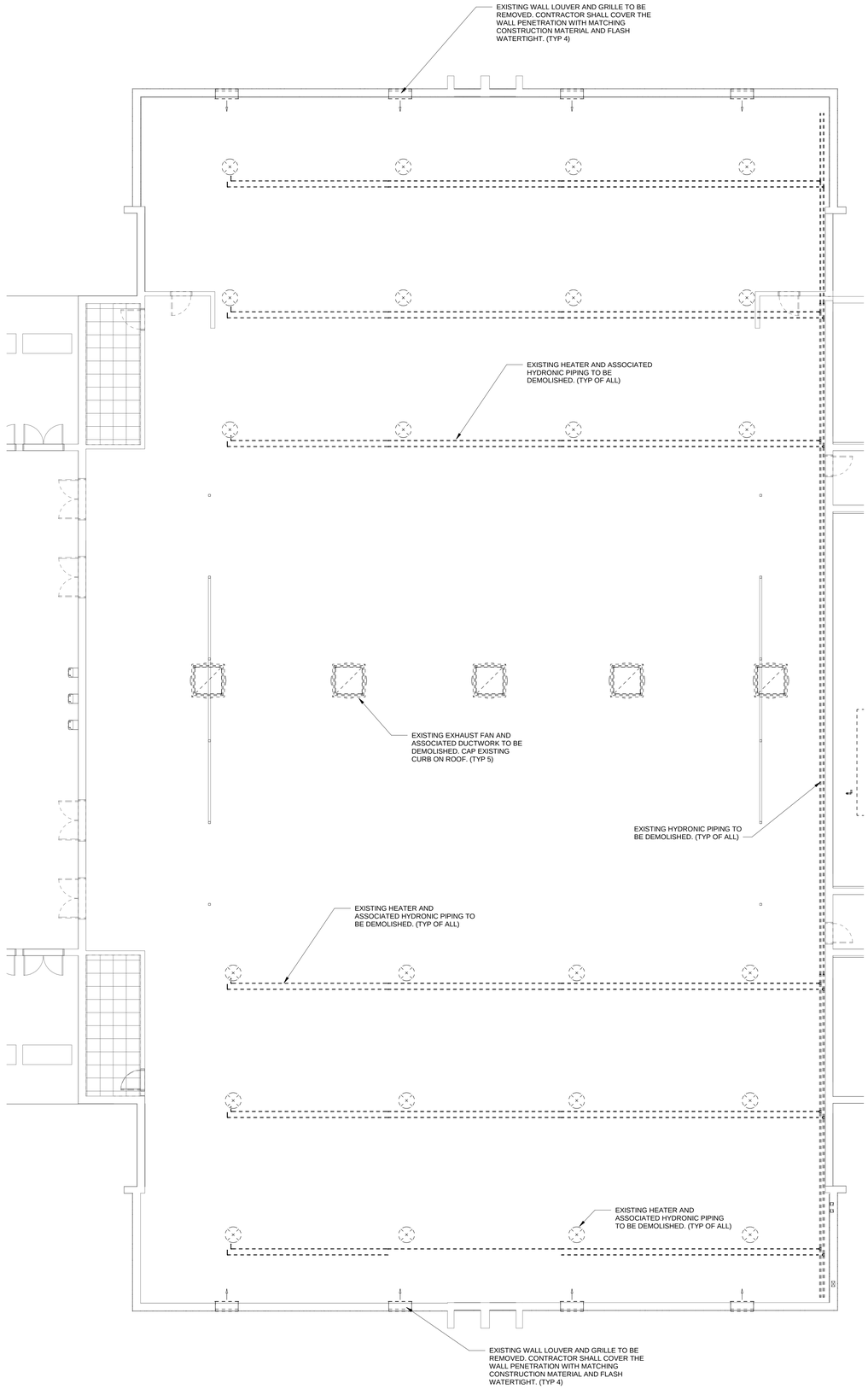

1 M1.1 HVAC DEMOLITION FLOOR PLAN - MAIN LEVEL
1/8" = 1'-0"

DUCTWORK/EQUIPMENT LEGEND
DASHED LINES INDICATE EXISTING HVAC EQUIPMENT, DIFFUSERS AND DUCTWORK TO BE DEMOLISHED.
LIGHT TONE LINES INDICATE EXISTING HVAC EQUIPMENT, DIFFUSERS AND DUCTWORK TO REMAIN/RELOCATE AND REUSED
DARK TONE LINES INDICATE NEW HVAC EQUIPMENT, DIFFUSERS AND DUCTWORK TO BE INSTALLED.

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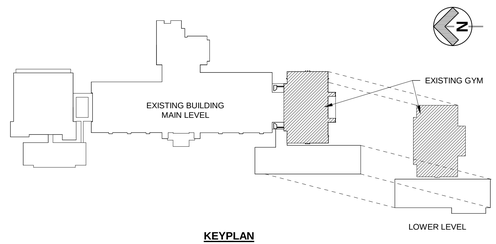

KEYPLAN

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770.674.2600 / www.rlrpc.com
GA COA # PEF000562 EXPIRES: 06/30/2024

GEORGIA REGISTERED No. 038083 ENGINEER NIMIR N. DESAI
02/01/2024

Jones County High School Renovations
Gray, Georgia
FOR:
Jones County Schools
Overall Square Footage = 189,519 SF (Existing)
School Code: 684-0192; FTE=1,525 (Existing); IUs=95 (Existing)

#	DESCRIPTION	DATE

REVISIONS

SHEET TITLE
HVAC DEMOLITION FLOOR PLAN -MAIN LEVEL

DATE
2/1/2024

PROJECT NUMBER
20116

SHEET NUMBER
M1.1

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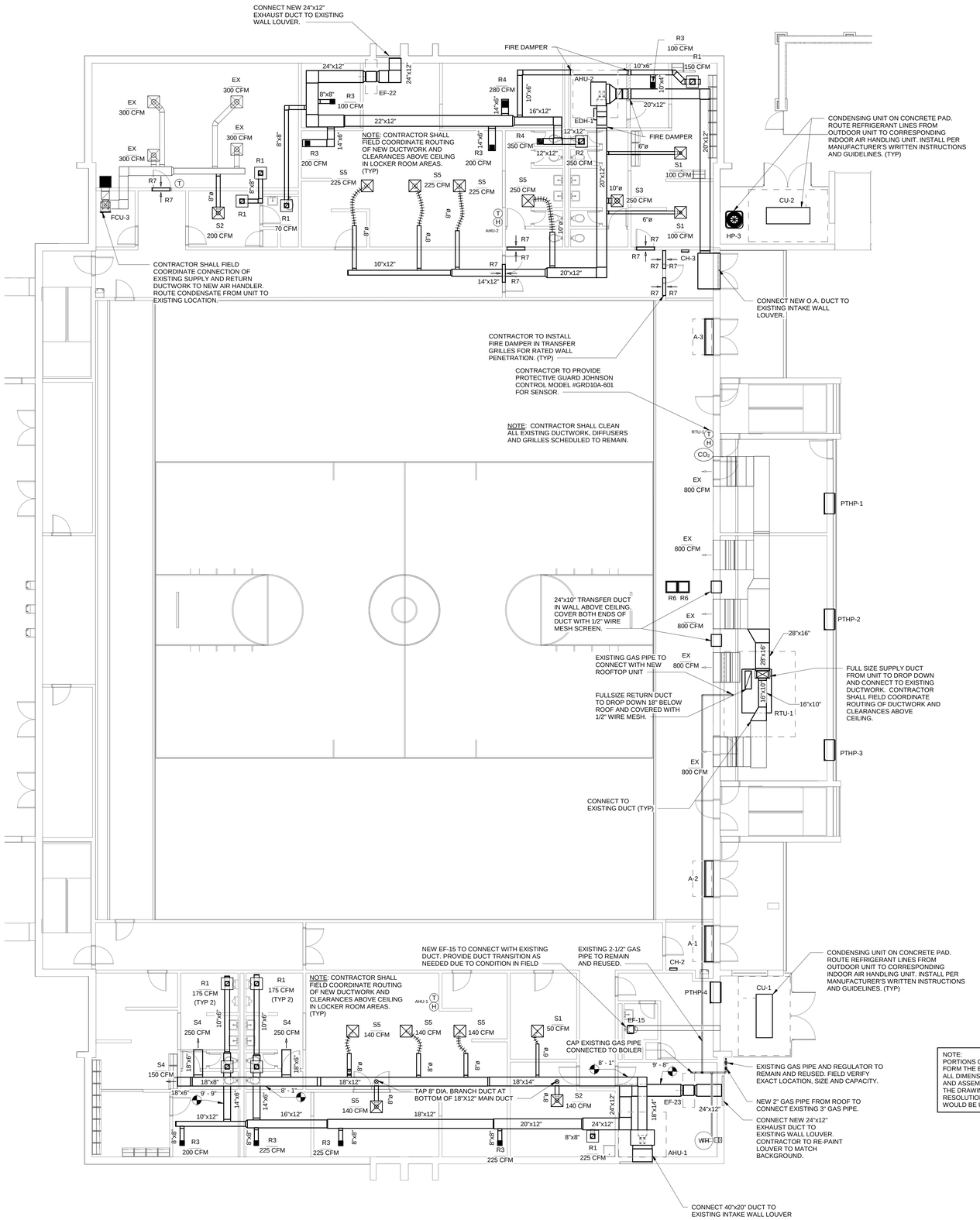

1 M1.2 HVAC NEW FLOOR PLAN - LOWER LEVEL
1/8" = 1'-0"

DUCTWORK/EQUIPMENT LEGEND
DASHED LINES INDICATE EXISTING HVAC EQUIPMENT, DIFFUSERS AND DUCTWORK TO BE DEMOLISHED.
LIGHT TONE LINES INDICATE EXISTING HVAC EQUIPMENT, DIFFUSERS AND DUCTWORK TO REMAIN/RELOCATE AND REUSED
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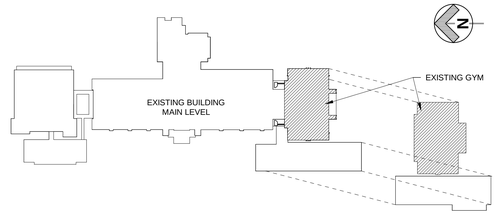

KEYPLAN

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GA COA # PEF000562 EXPIRES: 06/30/2024

GEORGIA REGISTERED No. 035083 ENGINEER NIMIR N. DESAI
02/01/2024

Jones County High School Renovations
Gray, Georgia
FOR: Jones County Schools
Overall Square Footage = 189,519 SF (Existing)
Renovation Square Footage = 1,525 (Existing); FTE=1,525 (Existing); IUs=95 (Existing)
School Code: 684-0192; FTE=1,525 (Existing); IUs=95 (Existing)

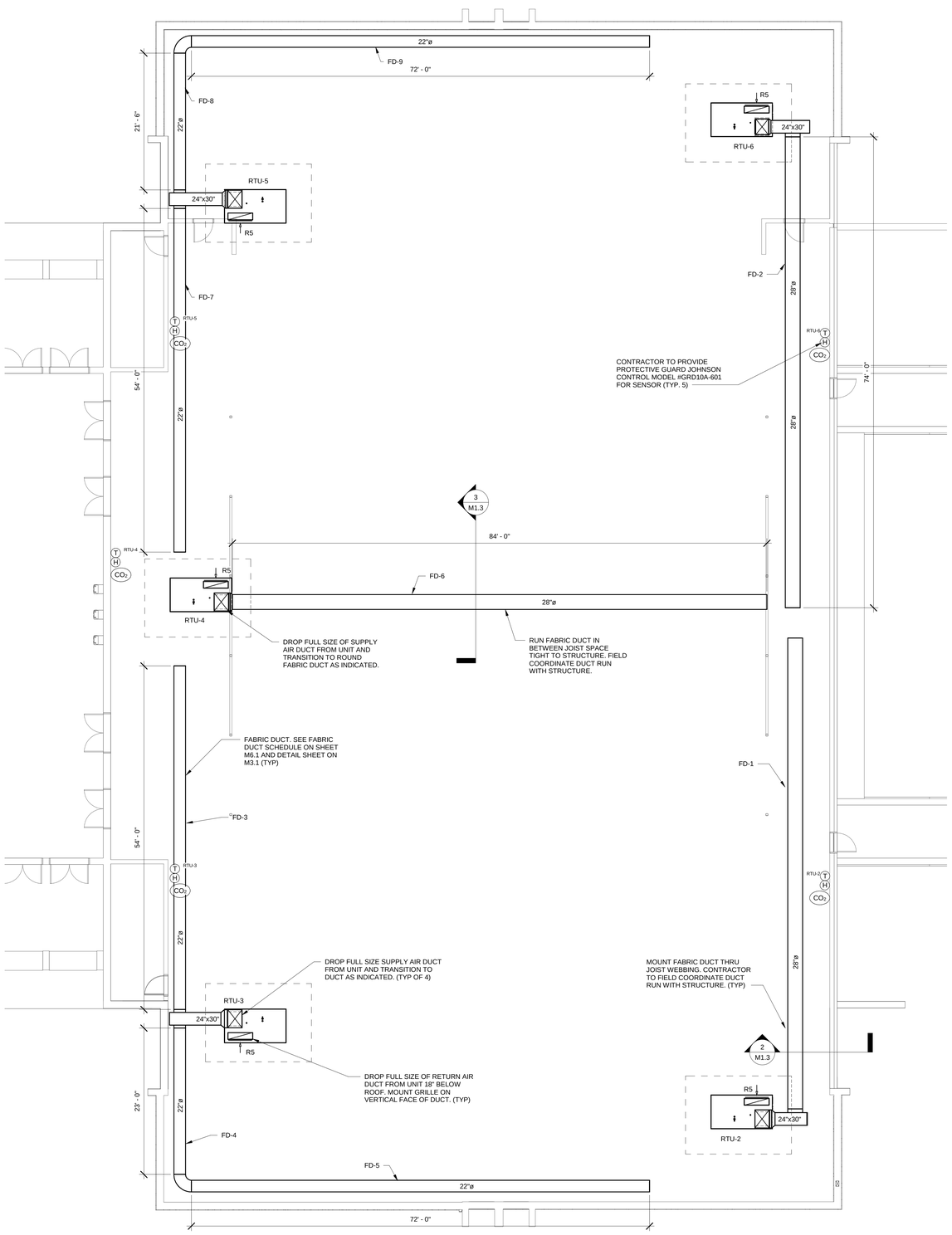
REVISIONS	DESCRIPTION	DATE
1		

SHEET TITLE: HVAC NEW FLOOR PLAN - LOWER LEVEL

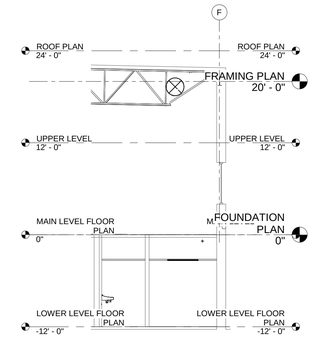
DATE: 2/1/2024

PROJECT NUMBER: 20116

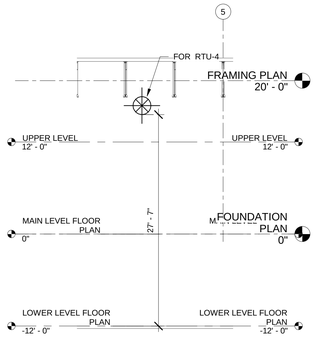
SHEET NUMBER: M1.2



1 M1.3 HVAC NEW FLOOR PLAN - MAIN LEVEL
1/8" = 1'-0"



2 M1.3 FABRIC DUCT SECTION VIEW (TYP FOR RTU-2,3,5,6,)
1/8" = 1'-0"



3 M1.3 FABRIC DUCT SECTION VIEW (FOR RTU-4)
1/8" = 1'-0"

DUCTWORK/EQUIPMENT LEGEND
DASHED LINES INDICATE EXISTING HVAC EQUIPMENT, DIFFUSERS AND DUCTWORK TO BE DEMOLISHED.
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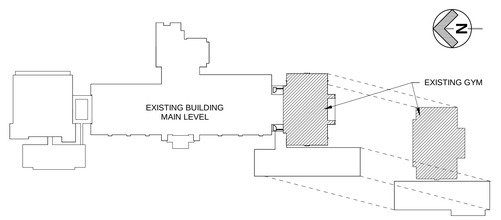

KEYPLAN

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Overall Square Footage = 189,519 SF (Existing)
School Code: 684-0192; FTE=1,525 (Existing); IUs=95 (Existing)

#	DESCRIPTION	DATE
REVISIONS		

SHEET TITLE
HVAC NEW FLOOR PLAN -MAIN LEVEL

DATE
2/1/2024

PROJECT NUMBER
20116

SHEET NUMBER
M1.3

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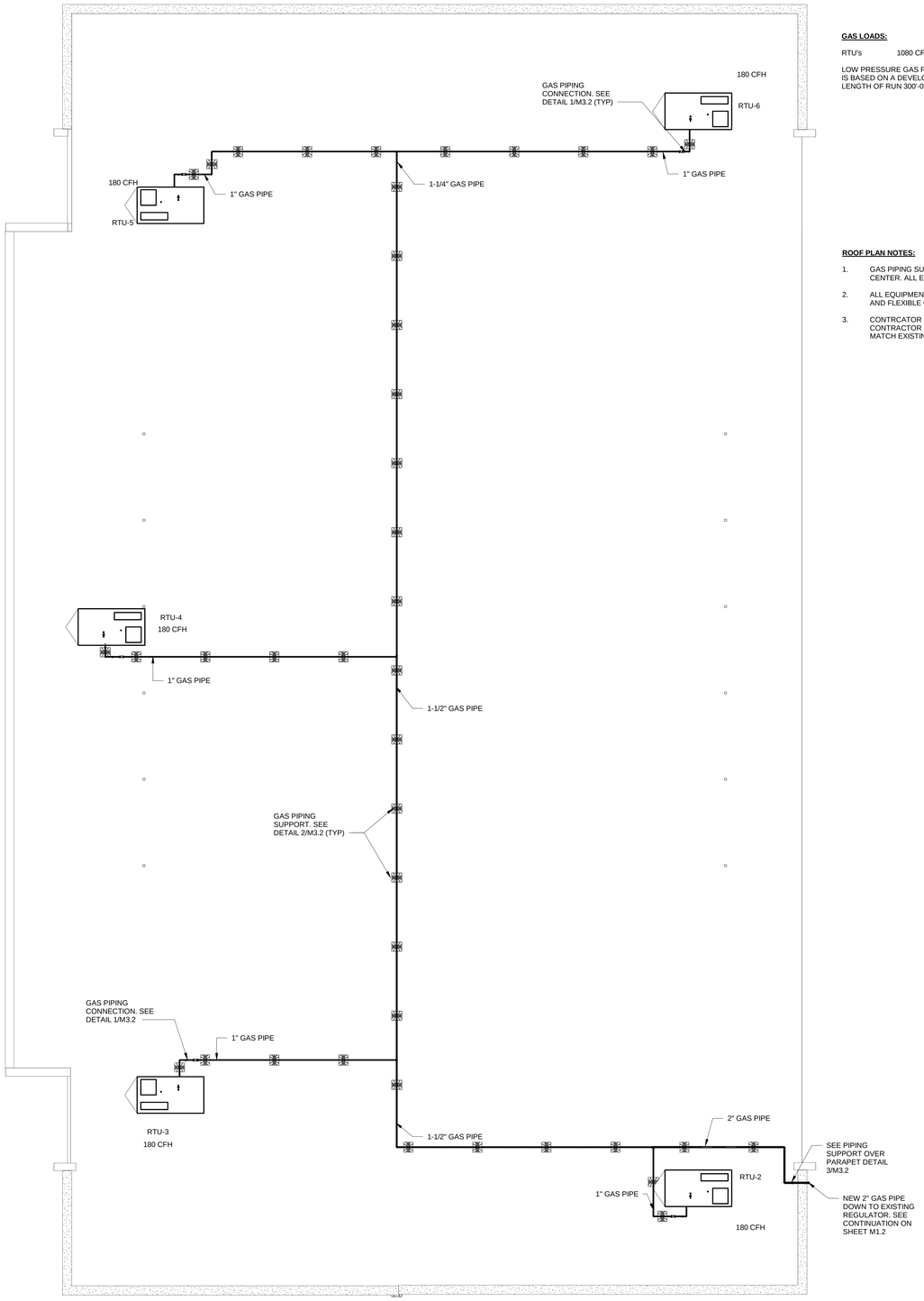

1 M1.4 HVAC ROOF PLAN
1/8" = 1'-0"

GAS LOADS:

RTU's 1080 CFH

LOW PRESSURE GAS PIPING SIZE IS BASED ON A DEVELOPED LENGTH OF RUN 300'-0".

ROOF PLAN NOTES:

1. GAS PIPING SUPPORTS SHALL BE MAXIMUM OF 10'-0" ON CENTER. ALL ELBOWS AND TEE SHALL BE SUPPORTED.
2. ALL EQUIPMENT SHALL BE PROVIDED WITH GAS COCK, DIRT LEG AND FLEXIBLE CONNECTION AS REQUIRED BY MANUFACTURER.
3. CONTRCATOR SHALL PAINT ALL GAS PIPING ON ROOF YELLOW. CONTRACTOR SHALL PAINT ALL PIPING VISIBLE ON WALL TO MATCH EXISTING STRUCTURE.

ROBERTSON LOIA ROOF
ARCHITECTS & ENGINEERS
3460 Preston Ridge Road . Suite 275 . Alpharetta, GA. 30005
770.674.2600 / www.rlrpc.com
GA COA # PEF000562 EXPIRES 06/30/2024

GEORGIA REGISTERED No. 038083 ENGINEER NIMIR N. DESAI
02/01/2024

Jones County High School Renovations
Gray, Georgia
FOR:
Jones County Schools
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#	DESCRIPTION	DATE
REVISIONS		

SHEET TITLE: HVAC ROOF PLAN

DATE: 2/1/2024

PROJECT NUMBER: 20116

SHEET NUMBER: M1.4

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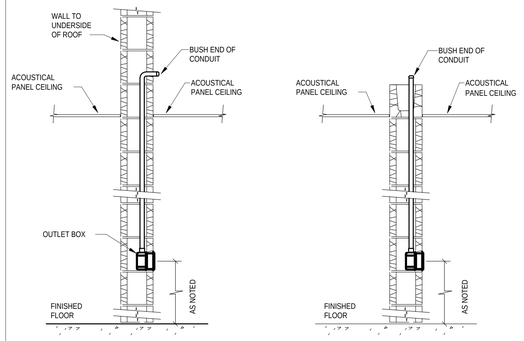
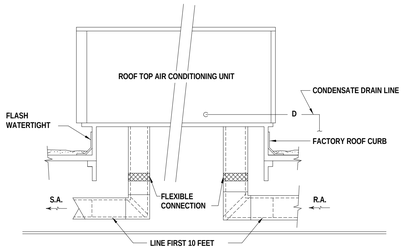
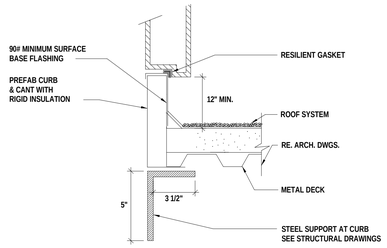


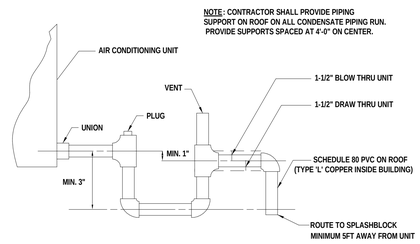
13 M3.1 **THERMOSTAT/SENSOR MOUNTING DETAIL**
SCALE: NONE



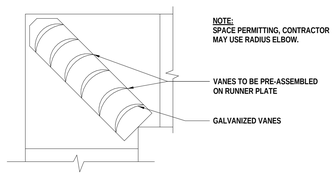
1 M3.1 **ROOFTOP UNIT DETAIL**
SCALE: NONE



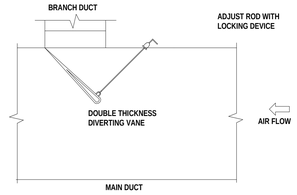
2 M3.1 **ROOFTOP UNIT CURB DETAIL**
SCALE: NONE



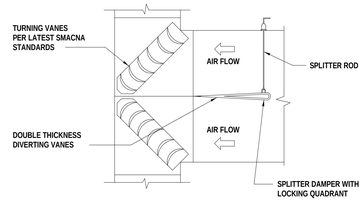
3 M3.1 **CONDENSATE TRAP DETAIL**
SCALE: NONE



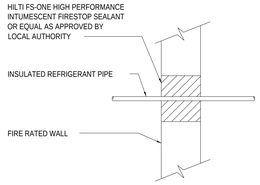
4 M3.1 **SQUARE ELBOW WITH DOUBLE THICKNESS VANES**
SCALE: NONE



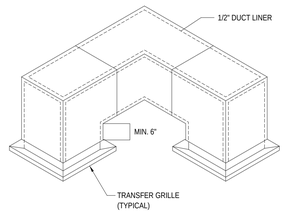
5 M3.1 **BRANCH DUCT SPLITTER DETAIL**
SCALE: NONE



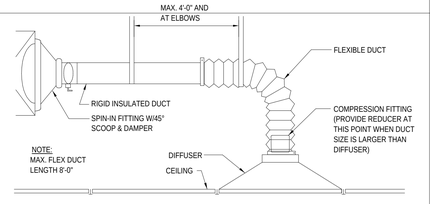
6 M3.1 **SPLITTER DAMPER DETAIL**
SCALE: NONE



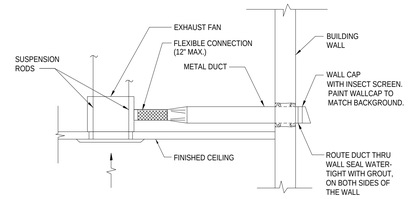
REFRIGERATION PIPE FIRE RATED WALL PENETRATION
14 M3.1
SCALE: NONE



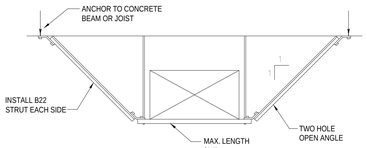
7 M3.1 **TRANSFER DUCT DETAIL**
SCALE: NONE



8 M3.1 **DIFFUSER RUNOUT DETAIL**
SCALE: NONE

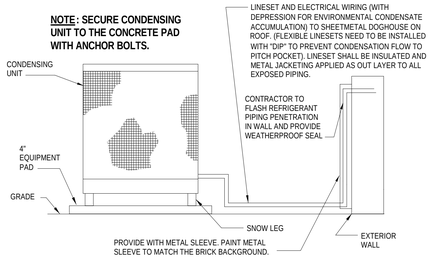


9 M3.1 **EXHAUST FAN THRU WALL DETAIL**
SCALE: NONE

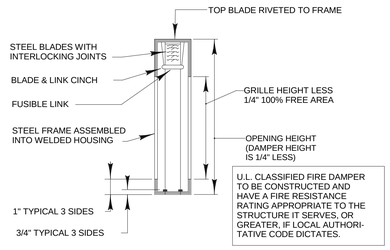


1. ALL CHANNEL STRUTS AND ATTACHMENTS BY B-LINE OR APPROVED EQUAL.
2. PROVIDE TRANSVERSE BRACING OF DUCTWORK GREATER THAN 728 SQ. IN. @ 20'-0" O.C. AND LONGITUDINAL BRACING @ 40'-0" O.C.

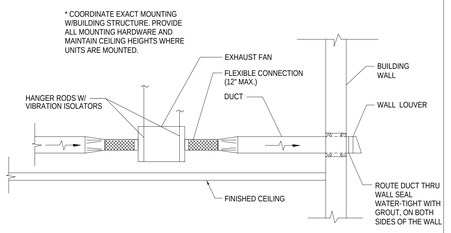
15 M3.1 **SUSPENDED DUCTWORK DETAIL**
SCALE: NONE



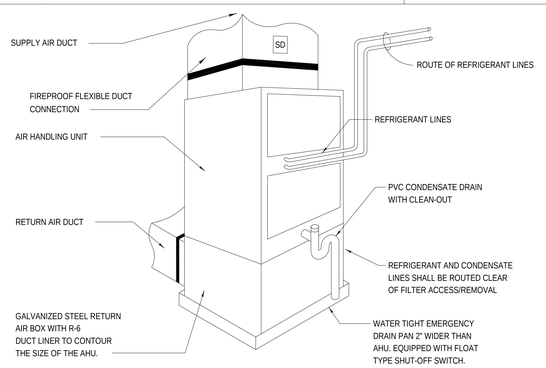
10 M3.1 **CONDENSING UNIT DETAIL**
SCALE: NONE



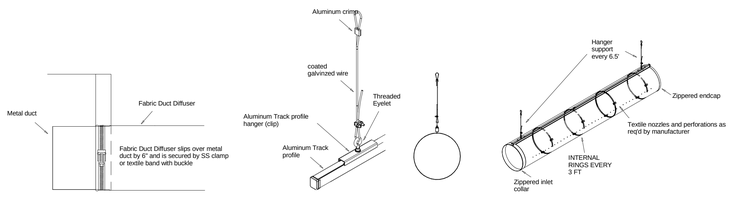
11 M3.1 **FIRE DAMPER**
SCALE: NONE



12 M5.1 **INLINE EXHAUST FAN DETAIL**
SCALE: NONE



16 M3.1 **UPRIGHT FANCOIL UNIT DETAIL**
SCALE: NONE



17 M3.1 **FABRIC DUCT SUPPORT DETAIL**
SCALE: NONE

HVAC LEGEND & ABBREVIATIONS	
⊠	SUPPLY DIFFUSER
⊘	RETURN GRILLE
⬡	AIR DISTRIBUTION TAG
T	THERMOSTAT
H	HUMIDITY SENSOR
CO2	CO2 SENSOR
EDH-	ELECTRIC DUCT HEATER
A-	AIR CURTAIN
FD-	FABRIC DUCT
RTU-	ROOFTOP UNIT
EF-	EXHAUST FAN
CU-	CONDENSING UNIT
AHU-	AIR HANDLING UNIT
FCU-	FANCOIL UNIT
CH-	CABINET HEATER
X'-X"	ELEVATION FROM BOTTOM OF DUCT

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GEORGIA REGISTERED No. 036083 ENGINEER NIMIR N. DESAI
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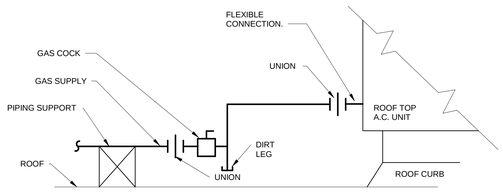
#	DESCRIPTION	DATE
REVISIONS		

SHEET TITLE: HVAC DETAILS

DATE: 2/1/2024

PROJECT NUMBER: 20116

SHEET NUMBER: M3.1

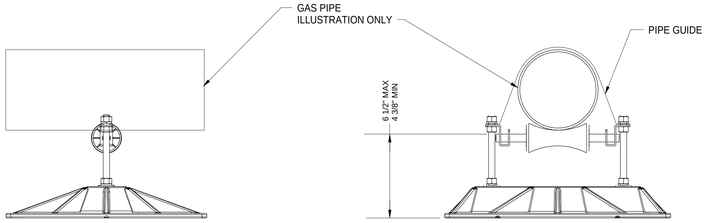


NOTE:

CONTRACTOR TO PROVIDE FLEXIBLE CONNECTION TO UNIT.

1 M3.2 GAS PIPING CONNECTION

12" = 1'-0"



KEY INFORMATION:

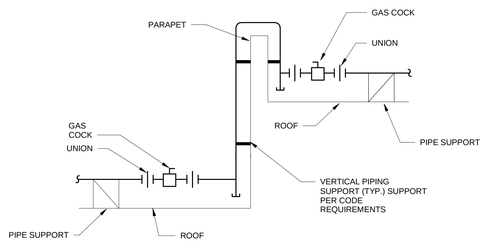
- 6" ID MAXIMUM PIPE CAPACITY 8 1/2" OD MAXIMUM
- ADJUSTABLE HEIGHT FROM 4 3/8" TO 6-1/2", EVEN LOAD REQUIRED, MAXIMUM LOAD IS 385 LBS.
- RECOMMENDED SPACING NOT TO EXCEED 10 FEET CENTERS DEPENDING ON LOAD. MAKE CERTAIN EACH PIPESTAND IS PROPERLY ELEVATED TO EVEN LOAD WEIGHT AT ALL PIPE STANDS.
- BASE MATERIAL: POLYCARBONATE
- ROLLER MATERIAL: POLYCARBONATE
- ALL METAL PARTS ARE STAINLESS STEEL

DESCRIPTION:

A" ROLLER-BEARING" PIPE SUPPORT USED TO SUPPORT ROOF MOUNTED GAS PIPE, ELECTRICAL CONDUIT, SOLAR PIPING AND OTHER MECHANICAL PIPING. UNIQUE DESIGN ABSORBES THERMAL EXPANSION AND CONTRACTION OF PIPES PREVENTING DAMAGE TO ROOF MEMBRANE. PIPES REST ON A SELF-LUBRICATING POLYCARBONATE RESIN ROLLER AND STAINLESS STEEL AXLE.

2 M3.2 GAS PIPING SUPPORT

1/8" = 1'-0"



3 M3.2 PIPING SUPPORT OVER PARAPET

3/32" = 1'-0"

MECHANICAL NOTES

GENERAL

1. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS' WRITTEN INSTRUCTIONS AND RECOMMENDATIONS. CONTRACTOR TO COORDINATE ALL CLEARANCES PRIOR TO INSTALLATION OF EQUIPMENT AND MATERIAL.
2. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO RECEIVE, OFFLOAD, AND STORE ALL HVAC MATERIALS WHICH ARRIVE AT THE JOB SITE.
3. GENERAL CONTRACTOR IS TO PROVIDE ANY SCREENING, GUARD RAILS, ETC. FOR ROOF-MOUNTED HVAC EQUIPMENT PER IBC AND LOCAL CODES.
4. OBTAINING ALL REQUIRED PERMITS AND PAYING ALL ASSOCIATED FEES ARE THE RESPONSIBILITY OF THE CONTRACTOR. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS, LOCAL, STATE AND NATIONAL CODES.
5. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND TOOLS TO PERFORM MECHANICAL WORK AS SHOWN, NOTED OR SCHEDULED FOR A COMPLETE INSTALLATION.
6. THE MECHANICAL DRAWINGS ARE DIAGRAMMATIC AND SHOW THE RELATIONSHIP BETWEEN EQUIPMENT AND CONNECTIONS. DO NOT SCALE THE DRAWINGS FOR EXACT SIZE OR LOCATIONS. BUILDING DIMENSIONS SHALL BE TAKEN FROM ARCH. PLANS AND EQUIPMENT DIMENSIONS SHALL BE TAKEN FROM CERTIFIED EQUIPMENT DATA.
7. CONTRACTOR TO COORDINATE VOLTAGE AND PHASE OF EACH PIECE OF EQUIPMENT WITH ELECTRICAL CONTRACTOR BEFORE ORDERING EQUIPMENT.
8. LOCATION OF ALL EXTERIOR WALL PENETRATIONS SHALL BE COORDINATED WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS.
9. MECHANICAL CONTRACTOR TO COORDINATE WITH CONTROLS CONTRACTOR BEFORE INSTALLING CONTROLS-RELATED EQUIPMENT.
10. TESTING, ADJUSTING AND BALANCING (TAB) OF MECHANICAL SYSTEM SHALL BE PROVIDED BY CONTRACTOR. THE CONTRACTOR SHALL HIRE AN A.A.B.C. OR N.E.B.B. CERTIFIED, INDEPENDENT TEST AND BALANCE COMPANY TO CONDUCT A COMPLETE, CERTIFIED TEST AND BALANCE OF ALL HVAC EQUIPMENT AND PROVIDE A WRITTEN REPORT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL CONNECTIONS NECESSARY FOR COMPLETE AND FULLY FUNCTIONING SYSTEM INCLUDING INITIAL START-UP AND INSTALLATION OF NEW FILTERS.
11. ALL CONTRACTORS MUST COORDINATE EACH PIECE OF EQUIPMENT WITH ALL OTHER TRADES (GENERAL CONTRACTOR, PLUMBING CONTRACTOR, MECHANICAL CONTRACTOR, SPRINKLER CONTRACTOR, ELECTRICAL CONTRACTOR, ETC.) AFFECTED BY THAT PIECE OF EQUIPMENT (ROOF OPENINGS, WEIGHTS, POWER REQUIREMENTS, VOLTAGES, ETC.) PRIOR TO ORDERING EQUIPMENT AND AGAIN PRIOR TO INSTALLATION (ROOFTOP EQUIPMENT PRIOR TO LIFTING ONTO ROOF). NO EXTRA COMPENSATION WILL BE APPROVED IF COORDINATION IS NOT PERFORMED BY EACH RESPECTIVE CONTRACTOR AND SUBCONTRACTOR.
12. CONTRACTOR SHALL VISIT SITE BEFORE SUBMITTING BID AND MAKE ALL NECESSARY OBSERVATIONS, MEASUREMENTS, AND NOTE CONDITIONS UNDER WHICH HIS WORK IS TO BE PERFORMED. NO EXTRA COMPENSATION WILL BE ALLOWED FOR FAILURE TO DO SO. THIS CONTRACT INVOLVES REMODELING OF EXISTING BUILDING AND THEREFORE SHALL FIELD LOCATE EXISTING DUCTWORK, PIPING, AIR TERMINAL DEVICES, ETC. BEFORE STARTING WORK.
13. ALL OBVIOUS ERRORS AND/OR OMISSIONS IN THE ABOVE MENTIONED DOCUMENTS SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT / ENGINEER PRIOR TO CONSTRUCTION.
14. ANY MECHANICAL ITEMS IN QUESTION REGARDING REMOVAL/REUSE SHALL BE BROUGHT TO THE ATTENTION OF ARCHITECT/ENGINEER. CONTRACTOR SHALL SUBMIT A REQUEST FOR INFORMATION TO THE ARCHITECT/ENGINEER IN WRITING PRIOR TO REMOVAL OF ANY MECHANICAL ITEMS.
15. SEE MECHANICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
16. CONTRACTOR SHALL PATCH HOLES WEATHER TIGHT IN EXISTING WALL DUE TO REMOVAL/ADDITION OF MECHANICAL ITEMS.
17. CONTRACTOR SHALL LOCATE AND INSTALL ALL MECHANICAL EQUIPMENT MINIMUM 10FT FROM ROOF EDGE WHEN MINIMUM 42" HIGH PARAPET/RAILS IS NOT PROVIDED FOR FALL PROTECTION.
18. ALL COSTS INCURRED BY ACCEPTANCE OF SUBSTITUTIONS SHALL BE BORNE BY CONTRACTOR. ANY ADDITIONAL COST/SERVICES RESULTING FROM PROPOSED SUBSTITUTE EQUIPMENT SHALL BE PROVIDED AT NO EXTRA COST TO THE OWNER.
19. EXACT LOCATION OF ALL CEILING DIFFUSERS TO BE COORDINATED WITH LIGHTING LAYOUT AND ARCHITECTURAL REFLECTED CEILING PLAN. CEILING CONTRACTOR TO PROVIDE ADEQUATE ACCESS IN CEILING GRID AT DIFFUSER/DAMPER LOCATIONS FOR PURPOSE OF AIR BALANCING.
20. TO PREVENT DIRT/DEBRI FROM GETTING INSIDE THE HVAC EQUIPMENT DURING CONSTRUCTION, CONTRACTOR SHALL DUCT TAPE A MINIMUM 1" THICK FOAM FILTER TO THE BOTTOM OF ALL AIR RETURNS IN THE BUILDING. FILTERS SHALL BE CHANGED WEEKLY OR AS NEEDED BASED ON CONDITION UNTIL COMPLETION OF CONSTRUCTION.

DUCTWORK

21. DUCT SIZES ARE SHOWN AS CLEAR INSIDE FREE AREA DIMENSIONS. PROVIDE FLEXIBLE CONNECTIONS WHERE DUCTS CONNECT TO UNIT (IN RISER). RUN ALL DUCTWORK AS HIGH AS POSSIBLE TO AVOID INTERFENCE OF INTERSECTING DUCT. ALL DUCTWORK SHALL BE INDEPENDENTLY HUNG FROM STRUCTURAL MEMBERS. COORDINATE ELEVATION AND LOCATION WITH RAIN LEADERS, WATER PIPING, PLUMBING VENTS, AND MAJOR ELECTRICAL CONDUITS OR CABLE TRAY.
22. PORTIONS OF DUCTWORK VISIBLE THROUGH GRILLS, REGISTERS, AND DIFFUSERS IN FINISHED AREAS SHALL BE PAINTED FLAT BLACK.
23. ALL DUCTWORK SHALL BE GALVANIZED SHEET METAL AND SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH SMACNA LOW PRESSURE DUCT CONSTRUCTION STANDARDS (LATEST ISSUE) . DUCT HANGERS AND SUPPORTS SHALL BE IN ACCORDANCE WITH SMACNA RECOMMENDATIONS.
24. INSULATE ALL SUPPLY AND RETURN DUCT WITH MINIMUM R-6 INSTALLED FIBERGLASS, FOIL BACKED INSULATION OR RIGID BONDED WITH FIRE AND SMOKE RATING [25]-[50] TO PREVENT CONDENSATION. INSTALL IN ACCORDANCE WITH SMACNA DUCT WRAP APPLICATIONS STANDARDS. ADDITIONALLY, INSTALL DUCT LINER IN THE FIRST TEN FEET OF SUPPLY AND FULL LENGTH OF RETURN DUCTS UNLESS NOTED OTHERWISE. ALL EXPOSED SPIRAL AND RECTANGULAR DUCT INSIDE THE BUILDING SHALL BE PRIMED, PAINT GRIP WITH R-6 INSTALLED LINER WITHIN. ALL EXTERIOR DUCT OUTSIDE THE BUILDING SHALL WRAPPED WITH MINIMUM R-8 JOHNS MANVILLE XSPECT ISOFOAM APF BOARD INSULATION OR EQUIVALENT. ALL DUCTWORK DIMENSIONS ARE NET INSIDE DIMENSIONS.
25. SPIN-IN TAKE-OFF TO BE MADE WITH GENFLEX MODEL SM-1 DEL OR EQUIVALENT.
26. ALL FLEX DUCT SHALL BE FOIL-BACKED, R-6, U.L. LISTED, CLASSIFIED AS A CLASS 1 AIR DUCT, AND MEET LOCAL CODE REQUIREMENTS. FLEXIBLE DUCT TAKE-OFF TO BE THERMAFLEX TYPE M-KE OR EQUIVALENT. ALL FLEXIBLE DUCTWORK IN ACOUSTICAL CRITICAL AREAS (THEATER, STAGE BAND, CHORAL) TO BE FLEXMASTER U.S.A TYPE 6M-INSULATED DUCTWORK OR EQUIVALENT.
27. MAXIMUM LENGTH OF FLEXIBLE DUCT IS NOT TO EXCEED 8'-0". BRANCH DUCT RUN OUTS TO DIFFUSERS SHALL BE SAME SIZE AS DIFFUSER NECK UNLESS OTHERWISE SPECIFIED.
28. ALL FIRE DAMPERS SHALL BE "B" TYPE (CURTAIN OUT OF THE AIRSTREAM). SEE PLAN FOR LOCATION, SIZE AND QUANTITY. METAL DUCTS WHICH PENETRATE RATED FIRE WALLS AND ARE LESS THAN 100 SQUARE INCHES SHALL EXTEND A MINIMUM OF 5 FEET ON BOTH SIDES OF THE WALL WITHOUT AN OPENING TO PRECLUDE THE REQUIREMENT OF A FIRE DAMPER. DUCTWORK SHALL IN NO CASE BE LIGHTER THAN 24 GAUGE STEEL.
29. PROVIDE BALANCING DAMPERS AT POINTS ON SUPPLY, RETURN AND EXHAUST SYSTEMS WHERE BRANCHES LEAD FROM LARGE DUCTS AS REQUIRED FOR AIR BALANCING UNLESS INDICATED OTHERWISE. INSTALL AT A MINIMUM OF TWO DUCT WIDTHS FROM BRANCH TAKEOFF. UNLESS OTHERWISE NOTED, EVERY SUPPLY TAP COLLAR SHALL HAVE A LOCKING MANUAL VOLUME DAMPER. ALL SURFACE MOUNTED DIFFUSERS AND GRILLES SHALL BE PROVIDED WITH DAMPER FOR AIR BALANCING. PROVIDE IDENTIFICATION OF THE LOCATION OF ALL FIRE AND BALANCING DAMPERS. IDENTIFICATION TAGS SHALL BE AFFIXED TO THE WALLS OR CEILINGS AND SHALL BE VISIBLE FROM THE OCCUPIED SPACE.
30. PROVIDE 24"X24" ACCESS PANEL FOR ALL BALANCING DAMPERS, MOTOR OPERATED DAMPERS, FIRE DAMPERS, SMOKE DAMPERS, FIRE/SMOKE COMBINATION DAMPERS LOCATED ABOVE CEILING. PAINT TO MATCH BACKGROUND.
31. PROVIDE TURNING VANES IN ALL RECTANGULAR 45, 60 & 90 DEGREE MITERED ELBOWS.

ELECTRICAL

32. ALL FANS 1/8 H.P. AND ABOVE SHALL HAVE FUSED DISCONNECT SWITCHES MOUNTED AT THE FAN. IF APPROVED BY LOCAL AUTHORITIES, NON-FUSED DISCONNECT SWITCHES MAY BE USED. DISCONNECTS PROVIDED BY ELECTRICAL CONTRACTOR.
33. CONTRACTOR TO PROVIDE JUNCTION BOX & 3/4" EMPTY CONDUIT FOR EACH THERMOSTAT LOCATION PER PLANS. JUNCTION BOX LOCATION & ORIENTATION TO BE COORDINATED WITH EMS SUPPLIER. SEE SPECIALTY OUTLET MOUNTING DETAIL ON MECHANICAL SHEET FOR JUNCTION BOX DETAILS & CONNECTIONS. INSTALL PER DIVISION 26 SPECIFICATIONS.
34. ELECTRICAL ROOM: CONTRACTOR SHALL NOT ROUTE DUCTWORK ABOVE ELECTRICAL EQUIPMENT AND PANELS.
35. ALL CONTROL WIRING SHALL BE RUN INSIDE WALLS OR ABOVE CEILINGS. IN UNFINISHED AREAS, ROUTE CONTROL WIRING INSIDE CONDUIT IN JOIST SPACE. CONTRACTOR IS TO MAKE ALL LOW-VOLTAGE WIRING FINAL CONNECTIONS FOR ALL HVAC EQUIPMENT INCLUDING SENSORS, THERMOSTATS, AUDIO-VISUAL ANNUNCIATORS, ROOF-TOP UNITS, SMOKE DETECTORS, CONTACTOR PANEL, AND CONTROL PANEL.
36. MOUNT ALL SENSORS IN ADA ACCESSIBLE SPACES AT 48" A.F.F. IN SPACES THAT DO NOT REQUIRE ADA ACCESSIBILITY, MOUNT ALL SENSORS 60" A.F.F. UNLESS NOTED OTHERWISE. ANY SENSORS LOCATED ON AN EXTERIOR WALL SHALL BE MOUNTED ON AN INSULATED BASE. PROVIDE LOCK BOX. CONTRACTOR TO FIELD VERIFY LOCATION OF ALL SENSORS, THERMOSTATS, ETC AND AVOID CONFLICT WITH CABINETS, MILLWORK, CHALKBOARDS, MONITORS, ETC.
37. MECHANICAL DRAWINGS DO NOT INDICATE ELECTRICAL POWER & VOLTAGE REQUIREMENTS OF EQUIPMENT. SEE ELECTRICAL DRAWINGS FOR POWER AND VOLTAGE REQUIREMENTS PRIOR TO ORDERING MECHANICAL EQUIPMENT.

ADDITIONAL NOTES

38. UNDERCUT ALL JANITOR DOORS 3/4" (BY G.C.).
39. PROVIDE DEEP SEAL TRAP AT CONDENSATE DRAIN FROM DX COIL AT ALL UNITS. INSULATE ALL CONDENSATE DRAIN PIPING INSIDE THE BUILDING WITH MINIMUM R-3 AP ARMAFLEX TYPE INSULATION. ALL CONDENSATE PIPING SHALL BE INSTALLED WATERTIGHT, SECURED AND CLAMPED ON SUPPORT FOR THE ENTIRE LENGTH OF RUN ABOVE AND BELOW ROOF. ROUTE CONDENSATE FROM ALL OUTDOOR UNITS IN SCHEDULE 80 PVC PIPE TO SPLASHBLOCK MINIMUM 5FT AWAY FROM UNIT ON ROOF. CONDENSATE FROM ALL INDOOR DX COIL UNITS SHALL BE TYPE "L" COPPER, ROUTED TO NEAREST WALL BOX OR MOP SINK AS INDICATED ON THE HVAC/PLUMBING FLOOR PLANS. ROUTE CONDENSATE TO ROOF WITH EXTERNAL CONDENSATE PUMP IF NO LOCATION IS SPECIFIED. CONDENSATE LINE SIZE SHALL BE FULL SIZE OF UNIT CONNECTION AND NOT LESS THAN 3/4" INTERNAL DIAMETER. CONDENSATE PIPING SHALL NOT DECREASE IN SIZE FROM THE UNIT CONNECTION TO THE PLACE OF CONDENSATE DISPOSAL. THE PIPING SHALL HAVE AN ADEQUATE AIR SEAL TRAP AT EACH UNIT CONNECTION WITH A VENT DOWNSTREAM OF THE TRAP. CONTRACTOR TO RUN ALL CONDENSATE PIPING IN WALL AND CONCEALED FROM VIEW AS MUCH AS POSSIBLE
40. CONTRACTOR SHALL PROVIDE FLOAT SWITCH IN ALL CONDENSATE DRAIN PANS FOR UNIT SHUTOFF TO PREVENT OVERFLOW AND DAMAGE TO BUILDING.
41. IN AIR SYSTEMS GREATER THAN 2000 CFM, SMOKE DETECTORS SHALL BE LOCATED IN THE SUPPLY AIR STREAM DOWNSTREAM OF THE AIR FILTERS AND AHEAD OF ANY BRANCH CONNECTIONS. UPON ACTIVATION, SMOKE DETECTOR SHALL SHUT DOWN THE UNIT AND ACTIVATE A VISIBLE AND AUDIBLE SENSORY SIGNAL.
42. CONTRACTOR SHALL INSULATE LIQUID AND SUCTION REFRIGERANT LINES BETWEEN INDOOR EVAPORATOR AND OUTDOOR CONDENSER UNIT. ALL REFRIGERANT PIPING SHALL BE UL LISTED FOR THE APPLICATION. PIPING SHALL BE SUPPORTED ADEQUATELY EVERY 10FT TO AVOID SAGGING.
43. CONTRACTOR SHALL TAG ALL HVAC EQUIPMENT FOR IDENTIFICATION. ALL EQUIPMENT ABOVE CEILING SHALL HAVE CLEAR TAGS FOR IDENTIFYING EQUIPMENT DURING MAINTENANCE. SEE SPECIFICATIONS.

RENOVATION NOTES

44. ALL EQUIPMENT SHALL BE CONSIDERED EXISTING UNLESS OTHERWISE NOTED. EXISTING EQUIPMENT NOT SHOWN SHALL REMAIN UNCHANGED.
45. WHERE ANY EQUIPMENT ON ROOF IS DISTURBED, IT IS THE HVAC CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH GENERAL CONTRACTOR FOR REPAIR OF ANY ROOFING ITEMS AFTER THE COMPLETION OF WORK.
46. DAMAGED DIFFUSERS/GRILLES: IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY AND REPAIR ANY DAMAGED DIFFUSERS/GRILLES.
47. PRE-BID: BIDDING CONTRACTOR'S TO LOCATE AND ITEMIZE EXPECTED QUANTITY OF DAMAGED DIFFUSERS/GRILLES TO BE REPLACED
48. EXISTING MATERIALS MAY BE REUSED WHERE PRACTICAL IF PRIOR APPROVAL IS OBTAINED FROM THE ENGINEER. ALL EXISTING DUCTS THAT ARE TO BE REUSED SHALL BE PATCHED AND SEALED WITHOUT LEAKS; DUCTS EXPOSED TO STRUCTURE SHALL BE PAINTED TO MATCH BACKGROUND.
49. DEMOLISHED HVAC EQUIPMENT, DUCTWORK, AND DIFFUSERS SHALL BE TAKEN DOWN AND PROPERLY DISPOSED.

ROBERTSON LOIA ROOF
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GA COA # PEF000562 EXPIRES: 06/30/2024

GEORGIA REGISTERED No. 038083 ENGINEER NIMIR N. DESAI
02/01/2024

Jones County High School Renovations

Gray, Georgia
FOR:
Jones County Schools
Overall Square Foootage = 189,519 SF (Existing)
School Code: 684-0192; FTE=1,525 (Existing); IUs=95 (Existing)

REVISIONS		
#	DATE	DESCRIPTION

SHEET TITLE
HVAC DETAILS AND NOTES

DATE 2/1/2024

PROJECT NUMBER 20116

SHEET NUMBER M3.2

AIR DISTRIBUTION SCHEDULE

MARK	TYPE	SIZE IN INCHES NECK	SIZE IN INCHES FACE	FINISH	O.B.D.	BASIS OF DESIGN (TITUS)	NOTES
S1	SUPPLY	6" ROUND/18"x18"	24"x24"	WHITE	NO	TDC	1 2 3
S2	SUPPLY	8" ROUND/18"x18"	24"x24"	WHITE	NO	TDC	1 2 3
S3	SUPPLY	10" ROUND/18"x18"	24"x24"	WHITE	NO	TDC	1 2 3
S4	SUPPLY	18"x6"	20"x8"	4	YES	300RS	1 5 6
EX	SUPPLY	EXISTING TO REMAIN					
S5	SUPPLY	9"x9"/8" ROUND	15"x15"	4	YES	TDC	1 2 3 6
R1	EXHAUST/TRANSFER	8"x8"	24"x24"	WHITE	NO	50F	1 2
R2	EXHAUST	12"x12"	24"x24"	WHITE	NO	50F	1 2
R3	EXHAUST	8"x8"	10"x10"	4	YES	50F	1 2 6
R4	EXHAUST	12"x12"	14"x14"	4	YES	50F	1 2 6
R5	RETURN	42"x30"	44"x32"	4	NO	50F	1 2
R6	TRANSFER	22"x22"	24"x24"	WHITE	NO	50F	1 2
R7	TRANSFER	36"x10"	38"x12"	4	NO	50F	1 7

1. DIFFUSER/GRILLE MOUNTING STYLE SHALL BE CONFIRMED WITH REFLECTED CEILING PLAN. DIFFUSERS/GRILLES PROVIDED AND INSTALLED BY CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING, RECEIPT, AND COMPLETE INSTALLATION OF AIR TERMINAL DEVICES.
2. PROVIDE SQUARE TO ROUND TRANSITION WHEN REQUIRED. CONTRACTOR TO PROVIDE TRANSITION FROM NECK SIZE OF DIFFUSER/GRILLE TO DUCT SIZE INDICATED ON FLOOR PLAN.
3. SEE DRAWINGS FOR DIFFUSER THROW PATTERN. PROVIDE 4-WAY THROW DIFFUSER IF NO DIRECTION ARROWS ARE INDICATED.
4. MATCH FINISH COLOR OF ADJACENT MATERIAL.
5. UNLESS GRILLE IS MOUNTED ON BOTTOM FACE OF DUCT, CONTRACTOR SHALL ADJUST GRILLE BLADES IN FIELD SO SUPPLY AIR IS DIRECTED DOWNWARD AT 22.5 DEGREE ANGLE TOWARDS OCCUPANTS IN SPACE
6. OPPOSED BLADE DAMPER TO BE ACCESSIBLE FROM FACE OF GRILLE FOR AIR BALANCING.
7. PROVIDE FIRE DAMPER IN WALL SLEEVE BEHIND GRILLE DUE TO RATED WALL. SEE FLOOR PLAN FOR LOCATION.

FAN SCHEDULE

MARK	CFM	ESP WG	DRIVE	H.P.	TYPE	BASIS OF DESIGN (GREENHECK)	LOCATION/SERVICE	NOTES/ACCESSORIES (PROVIDE AS LISTED)
EF-15	120	0.4	DIRECT	128 W	CEILING	SP-B150	SINGLE TOILET WITH SHOWER	1 2 3 4 5 6
EF-22	1,800	0.5"	DIRECT	3/4	CENTRIFUGAL	SQ-130-A	WOMEN LOCKER ROOM	1 2 3 4 5 7
EF-23	1,800	0.5"	DIRECT	3/4	CENTRIFUGAL	SQ-130-A	MEN LOCKER ROOM	1 2 3 4 5 7

1. FANS INSTALLED AND PROVIDED BY CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING, RECEIPT, AND COMPLETE INSTALLATION OF FANS. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS AND MAINTAIN ALL SERVICE CLEARANCES.
2. PROVIDE ALUMINUM CURB CAP FOR FAN AND FOR DUCT PENETRATION THROUGH WALL OR ROOF. COORDINATE LOCATION WITH ARCHITECTURAL PLANS.
3. PROVIDE GRAVITY BACKDRAFT DAMPER.
4. NEMA DISCONNECT AND VIBRATION ISOLATION FOR MOTOR/FAN ASSEMBLY.
5. UL LISTED AND AMCA SEAL. VERIFY VOLTAGE WITH ELECTRICAL PLANS.
6. UNIT TO BE INTERLOCKED WITH LIGHTS.
7. UNIT TO BE CONTROL BY EXISTING CONTROL SYSTEM.

ELECTRIC DUCT HEATER SCHEDULE

MARK	ASSOCIATED AHU	CFM	HEATER KW	DUCT SIZE WIDTH	DUCT SIZE HEIGHT	MODEL (TUTCO)	NOTES
EDH-1	AHU-2	1,400	30.0	20	12	E-SERIES DH	1 2 3 4

1. UNIT WILL BE PROVIDED AND INSTALLED BY CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING, RECEIPT, AND COMPLETE INSTALLATION OF UNIT. DISCONNECT AND RECONNECT GAS AND ELECTRIC CONNECTIONS TO REPLACE EXISTING UNIT WHERE APPLICABLE.
2. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS AND LOCAL AUTHORITY REQUIREMENTS.
3. CONTRACTOR TO FIELD VERIFY DUCTWORK DIMENSIONS AND PROVIDE ALL TRANSITIONS AND ACCESSORIES REQUIRED TO CONNECT DUCT FURNACE TO DUCTWORK.
4. PROVIDE WITH MOUNTING BRACKET AND HANGAR SUPPORT.

AIR CURTAIN SCHEDULE

MARK	CFM	WEIGHT	LOCATION	BASIS OF DESIGN (BERNER)	NOTES
A-1	2,310	225 LBS	GYM	AE08-2072A	1 2 3 4 5 6
A-2	2,310	225 LBS	GYM	AE08-2072A	1 2 3 4 5 6
A-3	2,310	225 LBS	GYM	AE08-2072A	1 2 3 4 5 6

1. AIR CURTAIN WILL BE PROVIDED BY CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING, RECEIPT, AND COMPLETE INSTALLATION OF UNIT.
2. INTERLOCK SWITCH FOR AUTOMATIC ON/OFF CONTROL WHEN DOOR IS OPENED/CLOSED.
3. CONNECT TO BUILDING EMS FOR ENABLE/DISABLE
4. INSTALL ABOVE DOORWAY SUSPENDED FROM STRUCTURE ABOVE PER MANUFACTURER'S INSTRUCTIONS.
5. MUST ORDER BLOWER/MOTOR ASSEMBLY AND CABINET.
6. EQUAL SUBSTITUTIONS ALLOWED - PROVIDE SUBMITTAL.

ELECTRIC CABINET HEATER SCHEDULE

MARK	KW	CFM	LOCATION	TYPE	BASIS OF DESIGN	NOTES
CH-2	4.0	250	CORRIDORS	WALL MOUNTED	QMARK CU935	1 2 3 4 5
CH-3	4.0	250	CORRIDORS	WALL MOUNTED	QMARK CU935	1 2 3 4 5

1. HEATERS INSTALLED AND PROVIDED BY CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING, RECEIPT, AND COMPLETE INSTALLATION OF HEATERS. INSTALL PER MANUFACTURER'S GUIDELINES AND WRITTEN INSTALLATION INSTRUCTIONS.
2. PROVIDE WALL MOUNTING BRACKETS AND INTEGRAL THERMOSTAT SET TO ACTIVATE WHEN TEMPERATURE DROP BELOW 68°F.
3. CONTRACTOR TO COORDINATE VOLTAGE AND PHASE OF HEATER WITH ELECTRICAL BEFORE ORDERING. CONTRACTOR TO FIELD CONVERT HEATER TO KW SIZE INDICATED ON SCHEDULE.
4. MOUNTED ON WALL WITH BOTTOM FLUSH WITH FLOOR.
5. PROVIDE HEATER ON WALL WITH FRONT INLET AND FRONT OUTLET

PACKAGED TERMINAL HEAT PUMP SCHEDULE

MARK	COOLING EAT °Fdb	COOLING EAT °Fwb	COOLING CAP.MBH	HEATING CAP. (KW)	CFM	O.A. CFM	BASIS OF DESIGN (TRANE)	LOCATION	NOTES
PTHP-1	80°	67°	14.5	3.45	341	30	PTHF1502	OFFICE	1 2 3 4 5 6 7 8
PTHP-2	80°	67°	14.5	3.45	341	30	PTHF1502	OFFICE	1 2 3 4 5 6 7 8
PTHP-3	80°	67°	14.5	3.45	341	30	PTHF1502	OFFICE	1 2 3 4 5 6 7 8
PTHP-4	80°	67°	14.5	3.45	341	30	PTHF1502	OFFICE	1 2 3 4 5 6 7 8

1. UNIT PROVIDED AND INSTALLED BY CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING, RECEIPT, AND COMPLETE INSTALLATION OF UNIT.
2. PROVIDE WITH WALL SLEEVE AND ANODIZED BRONZE EXTRUDED ALUMINUM ARCHITECTURAL LOUVER FOR WALL MOUNT INSTALLATION.
3. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS AND MAINTAIN ALL SERVICE CLEARANCES.
4. PROVIDE REMOVABLE FRONT PANEL, DISCHARGE GRILLE, AND RETURN AIR FILTERS.
5. EQUAL SUBSTITUTIONS ALLOWED. PROVIDE SUBMITTAL FOR PRIOR APPROVAL.
6. CONTRACTOR TO FIELD VERIFY UNIT WILL FIT IN EXISTING WALL OPENING FOR REPLACEMENT.
7. PROVIDE WITH MANUAL FRESH AIR OPTION.
8. ROUTE CONDENSATE TO EXISTING DRAIN LOCATIONS.

FABRIC DUCT DIFFUSER SCHEDULE (FDD)

PLAN MARK	MANUFACTURER/ FLOW MODEL	UNIT ASSOCIATED	LENGTH (FT)	SIZE (ROUND)	INLET ESP	CFM	INSTALLATION TYPE	DISPERSION TYPE / LOCATION	NOTES
FD-1	PRIHODA / LASER CUT PERFORATIONS/NOZZLES	RTU-2	74 FT	28" DIA	.5" WG	6,000	SINGLE ROW TRACK WITH INTERNAL RINGS	PERFORATIONS - 0.8" @ 140° & 175°; SMALL NOZZLES 1.6" @ 210° AND 225°	1 2 3 4 5 6
FD-2	PRIHODA / LASER CUT PERFORATIONS/NOZZLES	RTU-6	74 FT	28" DIA	.5" WG	6,000	SINGLE ROW TRACK WITH INTERNAL RINGS	PERFORATIONS - 1.1" @ 185° & 220°; SMALL NOZZLES 1.6" @ 135° & 150°	1 2 3 4 5 6
FD-3	PRIHODA / LASER CUT PERFORATIONS/NOZZLES	RTU-3	54 FT	22" DIA	.5" WG	3,000	SINGLE ROW TRACK WITH INTERNAL RINGS	PERFORATIONS - 0.9" @ 185° & 220°; SMALL NOZZLES 1.6" @ 135° & 150°	1 2 3 4 5 6
FD-4	PRIHODA / LASER CUT PERFORATIONS/NOZZLES	RTU-3	23 FT	22" DIA	.5" WG	714	SINGLE ROW TRACK WITH INTERNAL RINGS	PERFORATIONS - 0.6" @ 140° & 175°; SMALL NOZZLES 1.2" @ 210° & 225°	1 2 3 4 5 6
FD-5	PRIHODA / LASER CUT PERFORATIONS/NOZZLES	RTU-3	72 FT	22" DIA	.5" WG	2,286	SINGLE ROW TRACK WITH INTERNAL RINGS	PERFORATIONS - 0.7" @ 140° & 175°; SMALL NOZZLES 1.2" @ 210° & 225°	1 2 3 4 5 6
FD-6	PRIHODA / LASER CUT PERFORATIONS/NOZZLES	RTU-4	84 FT	28" DIA	.5" WG	6,000	SINGLE ROW TRACK WITH INTERNAL RINGS	SMALL NOZZLES - 1.6" @ 135°, 165°, 195° AND 225°	1 2 3 4 5 6
FD-7	PRIHODA / LASER CUT PERFORATIONS/NOZZLES	RTU-5	54 FT	22" DIA	.5" WG	3,000	SINGLE ROW TRACK WITH INTERNAL RINGS	PERFORATIONS - 1.0" @ 140° & 175°; SMALL NOZZLES 1.6" @ 210° & 225°	1 2 3 4 5 6
FD-8	PRIHODA / LASER CUT PERFORATIONS/NOZZLES	RTU-5	21.5 FT	22" DIA	.5" WG	674	SINGLE ROW TRACK WITH INTERNAL RINGS	PERFORATIONS - 0.7" @ 185° & 220°; SMALL NOZZLES 1.2" @ 135° & 150°	1 2 3 4 5 6
FD-9	PRIHODA / LASER CUT PERFORATIONS/NOZZLES	RTU-5	72 FT	22" DIA	.5" WG	2,309	SINGLE ROW TRACK WITH INTERNAL RINGS	PERFORATIONS - 0.8" @ 185° & 220°; SMALL NOZZLES 1.2" @ 135° & 150°	1 2 3 4 5 6

1. FABRIC DUCT PROVIDED AND INSTALLED BY CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING, RECEIPT, AND COMPLETE INSTALLATION OF FABRIC DUCT. INSTALL PER MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS AND GUIDELINES.
2. ALL SUSPENSION AND MOUNTING MATERIALS ARE TO BE IN GALVANIZED STEEL.
3. ALL LENGTHS ARE APPROXIMATE AND MUST BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING.
4. PERFORATION/NOZZLE LOCATIONS TO BE REVIEWED AND VERIFIED DURING SUBMITTAL .
5. FABRIC TO BE EQUAL TO PRIHODA CLASSIC (PERMEABLE) UL CLASSIFIED (723/2518).
6. PROVIDE CUSTOM COLOR AND LOGO TO MATCH JONES COUNTY HIGH SCHOOL COLOR AND LOGO. COORDINATE WITH ARCHITECT/OWNER. PROVIDE COLOR SAMPLES WITH SUBMITTAL.

ROOFTOP UNIT(GAS HEAT) SCHEDULE

MARK	CFM	OA CFM MINIMUM	DCV OA CFM MAX	BRAKE H.P.	E.S.P. ("W.C.)	DX COOLING COIL EAT °F db	DX COOLING COIL EAT °F wb	DX COOLING COIL CAP. (MBH)	GAS HEATING (BTUH) INPUT	GAS HEATING (BTUH) OUTPUT	CAPACITY (TONS)	EFFICIENCY (SEER/EER/IEER)	WEIGHT (LBS)	BASIS OF DESIGN (CARRIER)	LOCATION/SERVE	NOTES
RTU-1	4000	400	800	3.02	1.0"	80	67	125.8	180.0	148.0	10	---/11.0/15.0	1111	48FCDN12	GYM	1 3 4 6 7 8 9 10 11 12 13 14
RTU-2	6000	600	1200	3.03	1.0"	80	67	181.0	180.0	146.0	15	---/10.8/14.5	1764	48FCDN16	GYM	1 2 3 4 5 6 7 8 9 10 11 12
RTU-3	6000	600	1200	3.03	1.0"	80	67	181.0	180.0	146.0	15	---/10.8/14.5	1764	48FCDN16	GYM	1 2 3 4 5 6 7 8 9 10 11 12
RTU-4	6000	600	1200	3.03	1.0"	80	67	181.0	180.0	146.0	15	---/10.8/14.5	1764	48FCDN16	GYM	1 2 3 4 5 6 7 8 9 10 11 12
RTU-5	6000	600	1200	3.03	1.0"	80	67	181.0	180.0	146.0	15	---/10.8/14.5	1764	48FCDN16	GYM	1 2 3 4 5 6 7 8 9 10 11 12
RTU-6	6000	600	1200	3.03	1.0"	80	67	181.0	180.0	146.0	15	---/10.8/14.5	1764	48FCDN16	GYM	1 2 3 4 5 6 7 8 9 10 11 12

1. UNIT PROVIDED AND INSTALLED BY CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING, RECEIPT AND COMPLETE INSTALLATION OF UNITS. INSTALL UNIT PER MANUFACTURER'S WRITTEN INSTRUCTIONS AND MAINTAIN ALL SERVICE CLEARANCES.
2. PROVIDE FULL PERIMETER INSULATED ROOF CURB BY CONTRACTOR. ROOF CURBS SHALL BE FABRICATED FROM MINIMUM 18 GA. GALVANIZED METAL WITH WELDED SEAMS, WATER TIGHT AND INTERNALLY INSULATED. SHIMS SHALL BE PROVIDED BY HVAC CONTRACTOR BETWEEN THE ROOF DECK AND THE CURB AS NEEDED TO COMPENSATE FOR ROOF PITCH.
3. PROVIDE FACTORY MOUNTED DISCONNECT, THRU THE BASE ELECTRICAL, HAIL GUARDS AND UNPOWERED CONVENIENCE OUTLET.
4. UNIT SHALL HAVE DUCT SMOKE DETECTOR IN SUPPLY AIR DUCT. SMOKE DETECTOR NOT PROVIDED BY UNIT MANUFACTURER. CONTRACTOR TO INSTALL SMOKE DETECTOR IN DUCT. COORDINATE WITH ELECTRICAL DRAWINGS.
5. PROVIDE WITH ENTHALPY ECONOMIZER WITH POWER EXHAUST.
6. PROVIDE DEHUMIDIFICATION CONTROL AND REHEAT OPERATION.
7. PROVIDE UNIT WITH BACNET BOARD CAPABLE OF INTEGRATING WITH EXISTING CARRIER I-VU SYSTEM IN THE BUILDING. COORDINATE WITH OWNER PREFERRED CONTROLS CONTRACTOR FOR PRICING ON PROGRAMMING AND INTEGRATION.
8. FURNISH IONIZATION UNIT, GPS-IMOD, 24V, IN THE RETURN AIR STREAM OF UNIT. INSTALL UNIT BETWEEN FILTER AND COIL. IONIZATION UNIT TO SPAN THE FULL LENGTH OF THE COIL.
9. RTU SHALL BE CAPABLE OF STAGED AIR VOLUME
10. PROVIDE UNIT WITH VERTICAL SUPPLY AND RETURN DISCHARGE.
11. ROOFTOP UNIT SHALL BE CAPABLE OF MINIMUM 2 STAGES OF HEATING.
12. ROOFTOP UNIT TO BE PROVIDED WITH DEMAND CONTROL VENTILATION WITH OUTSIDE AIR DAMPER MODULATED PER CO2 SENSOR INSIDE SPACE DURING OCCUPIED HOURS.
13. PROVIDE UNIT WITH CURB ADAPTER.
14. PROVIDE WITH ENTHALPY ECONOMIZER WITH BAROMETRIC RELIEF.

SPLIT SYSTEM HEAT PUMP UNIT SCHEDULE

INDOOR UNIT MARK	INDOOR UNIT CFM	INDOOR UNIT O.A. CFM	INDOOR UNIT E.S.P.	INDOOR UNIT LOCATION/SERVE	INDOOR UNIT BASIS OF DESIGN (CARRIER)	INDOOR UNIT ELECTRIC HEATER KW	OUTDOOR CONDENSING UNIT MARK	OUTDOOR CONDENSING UNIT MBH HEATING CAPACITY	OUTDOOR CONDENSING UNIT MBH COOLING CAPACITY	OUTDOOR CONDENSING UNIT SEER2/IEER	OUTDOOR CONDENSING UNIT BASIS OF DESIGN (CARRIER)	NOTES
FCU-3	1,400	9	0.5"	P.E. CLASSROOM	FJ4DNXC48	6.0	HP-3	47.2	46.5	14.3/---	25HCE448	1 2 3 4 5 6 7 8

1. UNIT PROVIDED AND INSTALLED BY CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING, RECEIPT, AND COMPLETE INSTALLATION OF SPLIT SYSTEM UNITS INCLUDING ELECTRICAL CONNECTION AT EVAPORATOR UNIT AND CONDENSING UNIT. INSTALL UNIT PER MANUFACTURER'S WRITTEN INSTRUCTIONS AND MAINTAIN ALL SERVICE CLEARANCES.
2. PROVIDE ANTI-SHORT CYCLE TIMER, EVAPORATOR DEFROST CYCLE CONTROL, CONDENSER HAIL GUARD AND LONG LINESET KIT. PROVIDE WITH INTERNAL CONDENSATE PUMP.
3. PROVIDE WITH (0 DEGREE) LOW AMBIENT KIT AND WIND BAFFLES TO AVOID REVERSE ROTATION OF CONDENSER FAN WHERE APPLICABLE.
4. ROUTE CONDENSATE FROM UNIT TO EXISTING DRAIN LOCATION. CONTRACTOR TO PROVIDE CONDENSATE PUMP LITTLE GIANT MODEL #VCMA-20 IF NEEDED DUE TO CONDITIONS IN FIELD.
5. PROVIDE UNIT WITH TERMINAL STRIP FOR INTEGRATION WITH EXISTING CARRIER I-VU SYSTEM. CONTRACTOR SHALL COORDINATE WITH OWNER PREFERRED CONTROLS CONTRACTOR FOR PRICING ON PROGRAMMING AND INTEGRATION OF FIELD MOUNTED CONTROLS.
6. CONTRACTOR TO COORDINATE VOLTAGE AND POWER REQUIREMENTS WITH ELECTRICAL.
7. FURNISH IONIZATION UNIT, GPS-AIR CL-2, IN THE RETURN AIR STREAM OF UNIT. INSTALL UNIT BETWEEN FILTER AND COIL.
8. CONTRACTOR TO FIELD COORDINATE CONNECTION OF EXISTING SUPPLY, RETURN AND FRESH AIR DUCT TO NEW AIR HANDLING UNIT. PROVIDE DUCT TRANSITION AND ACCESSORIES FOR COMPLETE OPERATION.
9. MATCH EXISTING OUTSIDE AIR QUANTITY FOR NEW REPLACEMENT UNIT.

DEDICATED OUTSIDE AIR SPLIT SYSTEM UNIT SCHEDULE

INDOOR UNIT MARK	INDOOR UNIT O.A. CFM	INDOOR UNIT ELECTRIC HEATER KW	INDOOR UNIT E.S.P.	INDOOR UNIT LOCATION/SERVE	INDOOR UNIT BASIS OF DESIGN (UNITED COOL AIR)	INDOOR UNIT WEIGHT	OUTDOOR CONDENSING UNIT MARK	OUTDOOR CONDENSING UNIT TONS	OUTDOOR CONDENSING UNIT MBH COOLING CAPACITY	OUTDOOR CONDENSING UNIT WEIGHT	OUTDOOR CONDENSING UNIT BASIS OF DESIGN (UNITED COOL AIR)	NOTES
AHU-1	1400	30.0 (SCR)	0.6"	MEN'S LOCKERS	OSAV8G4ADFTA30-T	851	CU-1	8.0	105.8	475	PBU15G4ATA	1 2 3 4 5 6 7 8
AHU-2	1400	9	0.6"	WOMEN'S LOCKERS	OSAV8G4ADFTA-T	851	CU-2	8.0	105.8	475	PBU15G4ATA	1 2 3 4 6 7 8 10

1. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING, RECEIPT, AND COMPLETE INSTALLATION OF SPLIT SYSTEM UNITS INCLUDING ELECTRICAL CONNECTION BETWEEN FAN COIL UNIT AND CONDENSING UNIT. INSTALL UNIT PER MANUFACTURER'S WRITTEN INSTRUCTIONS AND GUIDELINES.
2. UNIT TO PROVIDE VENTILATION, SPACE HEATING, SPACE COOLING AND DEHUMIDIFICATION TO THE SPACE DURING OCCUPIED HOURS. SUMMER DISCHARGE AIR TEMPERATURE TO BE 72 F DB, 50% RH, AND WINTER DISCHARGE AIR TEMPERATURE TO BE 75 F DB, 50% RH WHEN NOT IN COOLING, HEATING, OR DEHUMIDICATION MODE. DURING UNOCCUPIED HOURS, UNIT TO SHUT OFF.
3. PROVIDED WITH TEMPERATURE/HUMIDITY SENSOR AS SHOWN ON FLOOR PLAN.
4. PROVIDED WITH SCROLL COMPRESSOR, LOW AMBIENT CONTROLS AND HIGH/LOW PRESSURE SWITCHES. PROVIDE HAIL GUARD ON CONDENSER FANS.
5. ROUTE CONDENSATE FROM UNIT TO EXISTING DRAIN LOCATION. PROVIDE CONDENSATE PUMP LITTLE GIANT MODEL #VCMA-20 OR EQUIVALENT IF NEEDED DUE TO CONDITION IN FILED.
6. PROVIDED WITH MODULATING HOT GAS REHEAT FOR DEHUMIDIFICATION.
7. PROVIDED WITH GALVANIZED METAL CABINET WITH 2" INSULATION AND 2" PLEATED MERV 8 FILTERS.
8. PROVIDE UNIT WITH BACNET BOARD CAPABLE OF INTEGRATING WITH EXISTING CARRIER I-VU SYSTEM IN THE BUILDING. COORDINATE WITH OWNER PREFERRED CONTROLS CONTRACTOR FOR PRICING ON PROGRAMMING AND INTEGRATION.
9. HEATING PROVIDED BY ELECTRIC DUCT HEATER, EDH-1, CONNECTED TO UNIT DUCTWORK.
10. ROUTE CONDENSATE FROM UNIT TO OUTSIDE AND SPILL ON GRADE. PROVIDE CONDENSATE PUMP LITTLE GIANT MODEL #VCMA-20 OR EQUIVALENT IF NEEDED DUE TO CONDITION IN FILED.

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GA COA # PEB20562 EXPIRES: 06/30/2024

GEORGIA REGISTERED No. 035083 ENGINEER NIMIR N. DESAI
02/01/2024

Jones County High School Renovations

Gray, Georgia
FOR:
Jones County Schools
Overall Square Footage = 189,519 SF (Existing)
School Code: 684-0192; FTE=1,525 (Existing); IUs=95 (Existing)

REVISIONS #	DATE	DESCRIPTION

SHEET TITLE: HVAC SCHEDULES

DATE: 2/1/2024

PROJECT NUMBER: 20116

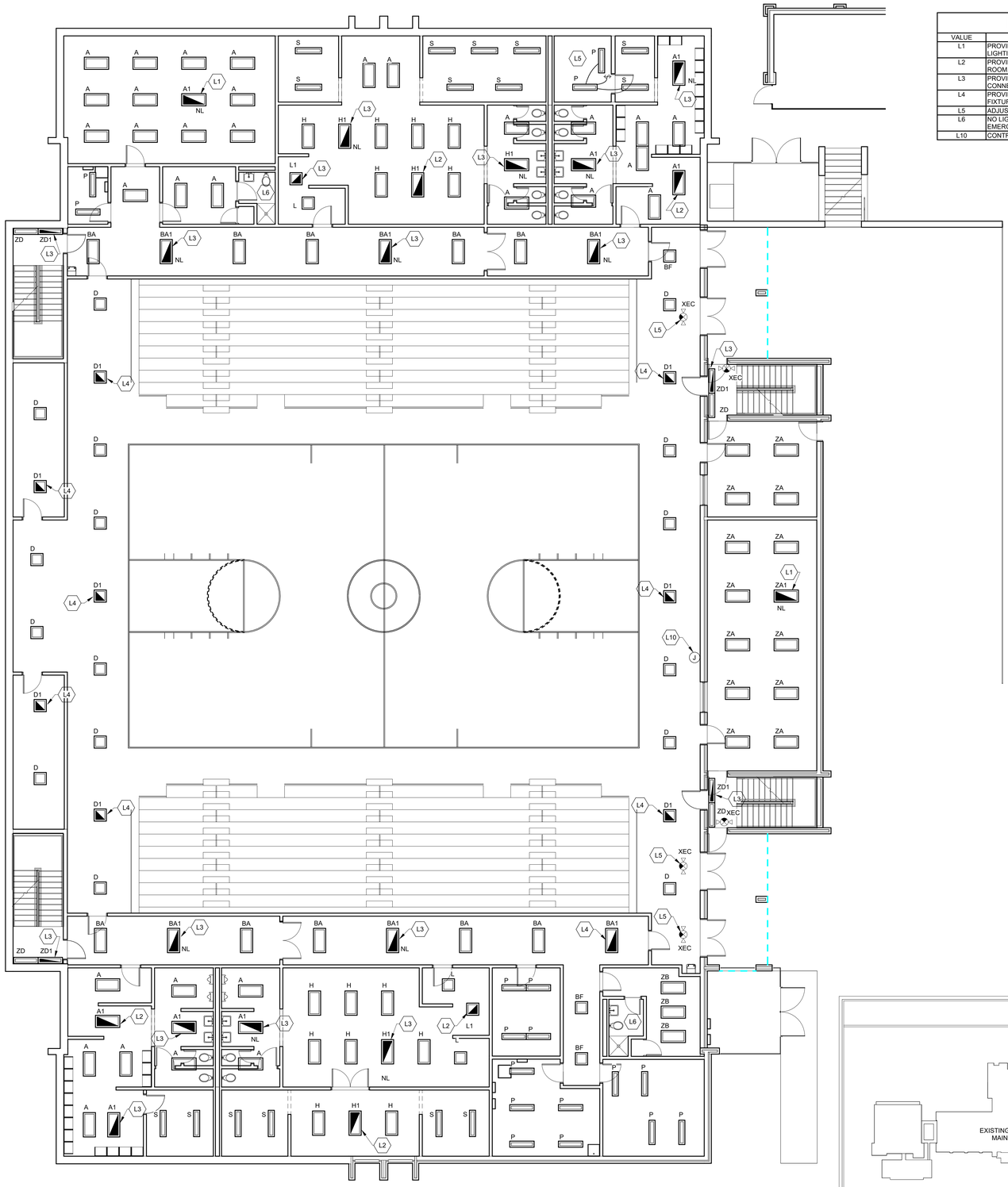
SHEET NUMBER: M6.1

LIGHTING PLAN NOTES

1. ALL CONDUCTORS, WIRES, CABLES, ETC. SHALL BE PLENUM RATED.
2. DISCONNECT EXISTING LIGHTING FIXTURES AND CONNECT NEW LIGHTING FIXTURES TO SAME CIRCUIT / SWITCH LEG UNLESS NOTED OTHERWISE.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING NUMBER OF CONDUCTORS IN BRANCH CIRCUITS AND SWITCH LEGS.

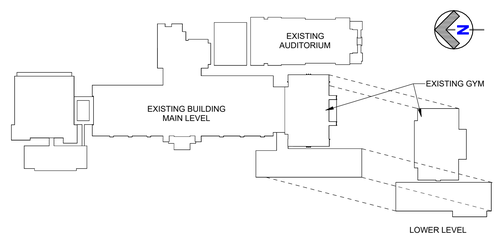
ELECTRICAL KEYNOTES

VALUE	NOTE
L1	PROVIDE CONSTANT HOT AND SECOND SWITCH LEG FROM LIGHTING CIRCUIT IN ROOM TO LIGHTING FIXTURE. DEMO CONNECTION TO EMERGENY PANEL.
L2	PROVIDE CONSTANT HOT TO LIGHTING FIXTURE. FIXTURE SHALL OPERATE BY SWITCH IN ROOM.
L3	PROVIDE CONSTANT HOT FROM LIGHTING CIRCUIT IN ROOM TO LIGHTING FIXTURE. DEMO CONNECTION TO EMERGENY PANEL.
L4	PROVIDE CONSTANT HOT AND SWITCH LEG FROM LIGHTING CIRCUIT IN ROOM TO LIGHTING FIXTURE. DEMO CONNECTION TO EMERGENY PANEL.
L5	ADJUST MOUNTING LOCATION AS NECESSARY FOR NEW AIR CURTAIN.
L6	NO LIGHTING WORK REQUIRED IN THIS ROOM. RECIRCUIT EXISITING LIGHTING FIXTURES, EMERGENCY LIGHTS, EXIT SIGNS, ETC. AS NECESSARY FOR CONTINUED OPERATION.
L10	CONTROLS FOR WRESTLING LIGHT AND HOIST. COORDINATE EXACT LOCATION.



1 E1.1 LIGHTING PLAN - GYM LOWER LEVEL
1/8" = 1'-0"

KEY PLAN



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GA COA # PEF000562 EXPIRES: 06/30/2022

GEORGIA REGISTERED No. 24903 ENGINEER SCOTT E. WALKER
02/01/2024

Jones County High School Renovations
Gray, Georgia
FOR:
Jones County Schools
Overall Square Footage = 189,519 SF (Existing)
School Code: 684-0192; FTE=1,525 (Existing); IUs=95 (Existing)

REVISIONS		
#	DATE	DESCRIPTION

SHEET TITLE
LIGHTING PLAN - GYM LOWER LEVEL

DATE 2/1/2024
PROJECT NUMBER 20116
SHEET NUMBER E1.1

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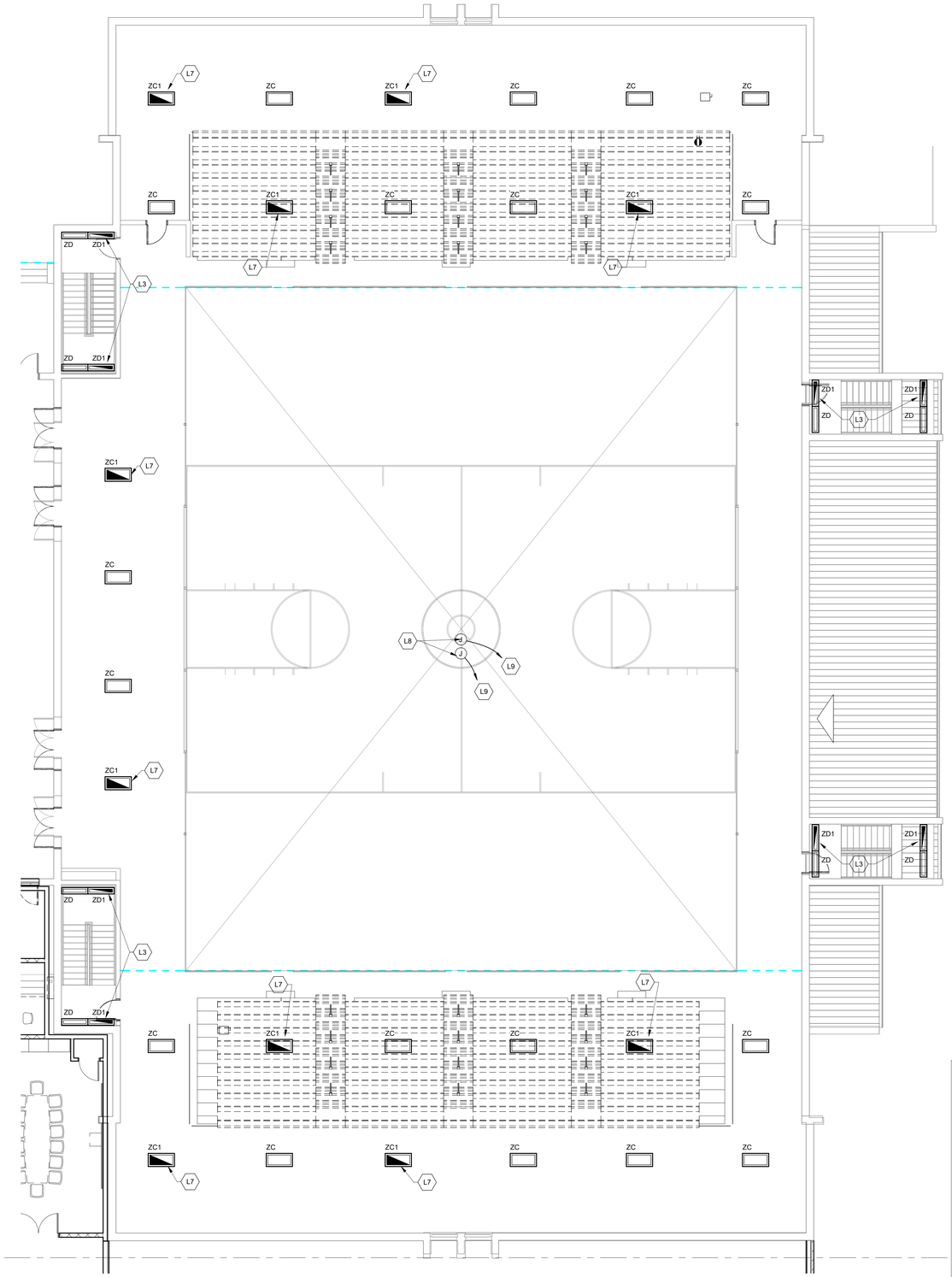


1 E1.2 LIGHTING PLAN - GYM MAIN LEVEL
1/8" = 1'-0"

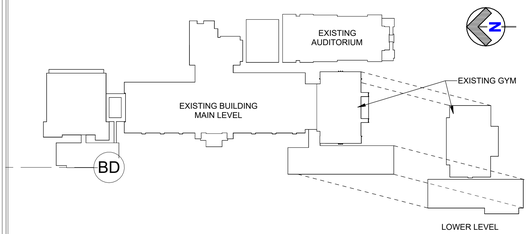
LIGHTING PLAN NOTES

1. ALL CONDUCTORS, WIRES, CABLES, ETC. SHALL BE PLENUM RATED.
2. DISCONNECT EXISTING LIGHTING FIXTURES AND CONNECT NEW LIGHTING FIXTURES TO SAME CIRCUIT / SWITCH LEG UNLESS NOTED OTHERWISE.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING NUMBER OF CONDUCTORS IN BRANCH CIRCUITS AND SWITCH LEGS.

ELECTRICAL KEYNOTES

VALUE	NOTE
L3	PROVIDE CONSTANT HOT FROM LIGHTING CIRCUIT IN ROOM TO LIGHTING FIXTURE. DEMO CONNECTION TO EMERGENY PANEL.
L7	PROVIDE CONSTANT HOT TO LIGHTING FIXTURE.
L8	LIGHTING FIXTURE WITH HOIST FOR WRESTLING. CONTACT BUD HENNEBAUL AT budresilite@gmail.com 678-794-5756. VERIFY EXACT MOUNTING LOCATION IN FIELD. PROVIDE CONDUIT, CONDUCTORS, ETC. TO CONTROLS ON LOWER LEVEL.
L9	CIRCUIT TO 20A/1P CIRCUIT BREAKER IN PANELBOARD LG. PROVIDE NEW CIRCUIT BREAKER IF NECESSARY.

KEY PLAN



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REVISIONS #	DATE	DESCRIPTION

SHEET TITLE
LIGHTING PLAN - GYM
MAIN LEVEL

DATE
2/1/2024

PROJECT NUMBER
20116

SHEET NUMBER
E1.2

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THEATER LIGHTING REQUIREMENTS

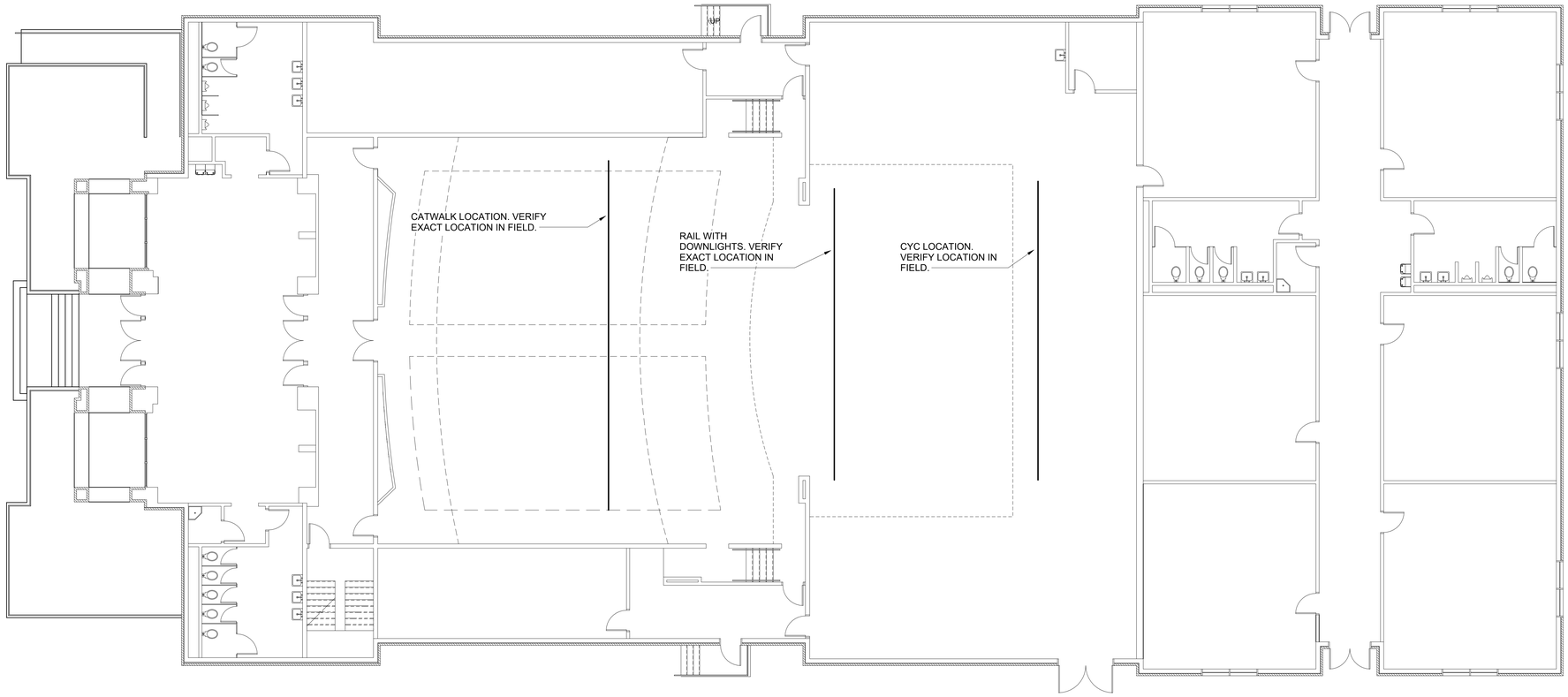
1. CONTRACTOR SHALL PROVIDE THE FOLLOWING LIGHTING FIXTURES IN THE THEATER IN PLACE OF THE EXISTING LIGHTING FIXTURES:

(QTY)	
	AT HOUSE CATWALK,:
	ETC COLOR SOURCE SPOT ENGINE WITH POWER PIGTAIL AND 10' DMX CONTROL CABLE
20	CSSPOTVMVS – COLORSOURCE SPORT V, LIGHT ENGINE WITH EDLT SHUTTER BARREL, W/MULTIVERSE, BLACK
10	419EDLT – 19° EDLT LENDS TUBE, BLACK
10	426EDLT – 26° EDLT LENS TUBE, BLACK
20	SAFETY CABLE
20	15' DMX CONTROL CABLE
	DOWNLIGHT FIXTURES
	ETC COLOR SOURCE PAR WITH C-CLAMP, SAFETY CABLE AND POWER PIGTAIL AND 10' DMX CONTROL CABLE
15	CSFRESVMV – COLOR-SOURCE FRESNEL V, W/MULTIVERSE, BLACK
15	MEGA CLAMP
15	SAFETY CABLE
15	15' DMX CONTROL CABLE
	AT CYC
	CSCYC COLORSOURCE CYC L20V WITH XLR, BLACK
8	MEGA CLAMP
8	SAFETY CABLE
8	15' DMX CONTROL CABLE
	ALTERNATE FOR HOUSE CATWALK - RETROFIT EXISTING LIGHTING FIXTURES:
20	ETC-S4WRD WITH POWER PIGTAIL
20	SOURCE 4WRD II GALLERY, RETROFIT KIT, BLACK, WITH STAGE PIN
20	SAFETY CABLE

CONTRACTOR SHALL INCLUDE ALL NECESSARY LABOR, MATERIALS, EQUIPMENT, ETC. FOR INSTALLATION.

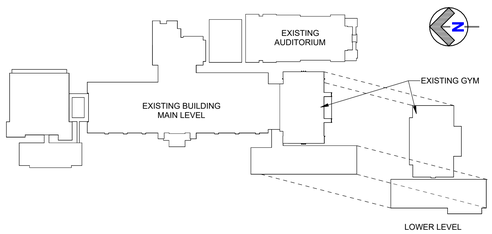
LIGHTING PLAN NOTES

1. ALL CONDUCTORS, WIRES, CABLES, ETC. SHALL BE PLENUM RATED.
2. DISCONNECT EXISTING LIGHTING FIXTURES AND CONNECT NEW LIGHTING FIXTURES TO SAME CIRCUIT / SWITCH LEG UNLESS NOTED OTHERWISE.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING NUMBER OF CONDUCTORS IN BRANCH CIRCUITS AND SWITCH LEGS.



1 E1.3 LIGHTING PLAN - THEATER
1/8" = 1'-0"

KEY PLAN



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REVISIONS		
#	DATE	DESCRIPTION

SHEET TITLE: LIGHTING PLAN - THEATER

DATE: 2/1/2024

PROJECT NUMBER: 20116

SHEET NUMBER: E1.3

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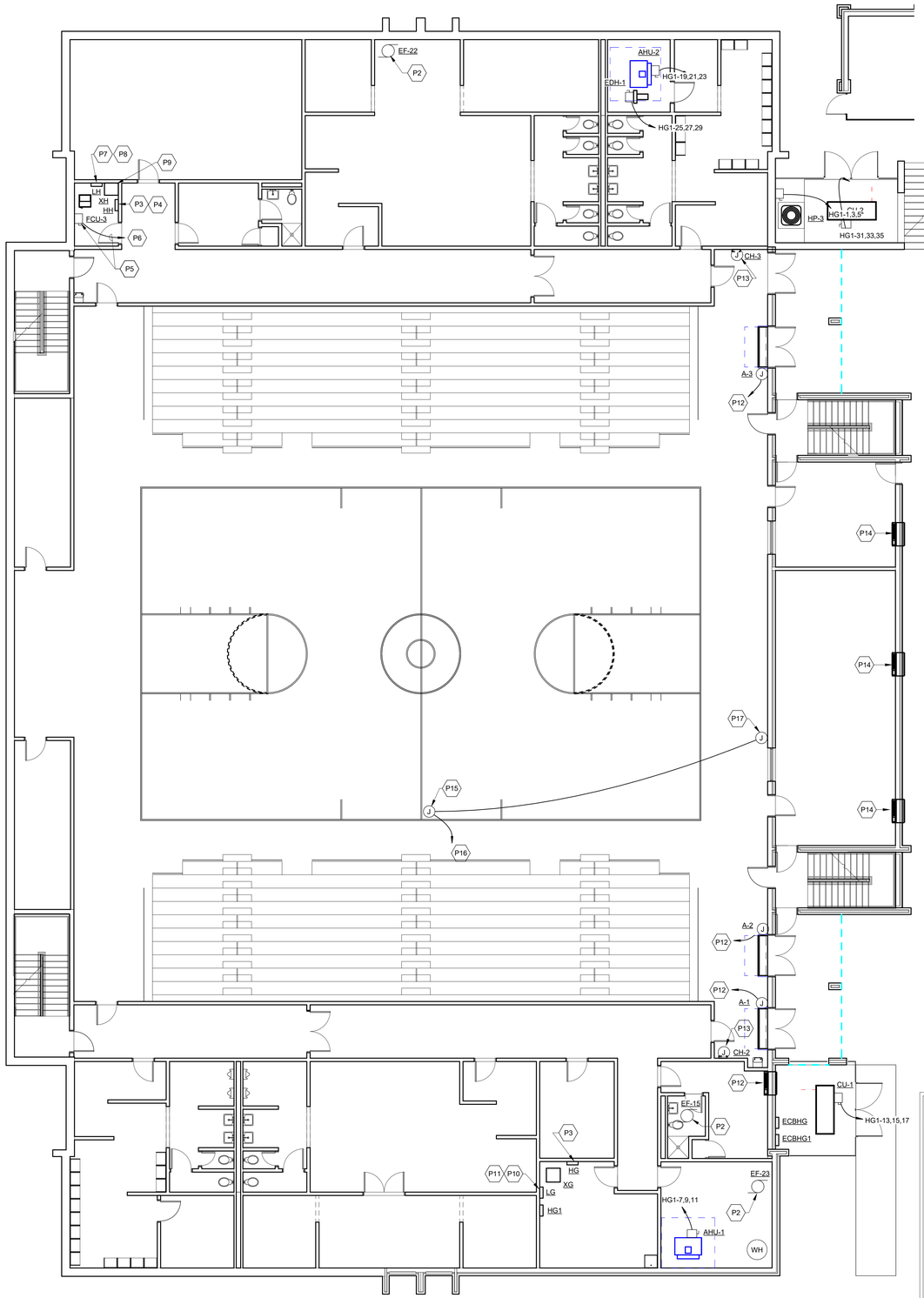
POWER PLAN NOTES

1. ALL CONDUCTORS, WIRES, CABLES, ETC. SHALL BE PLENUM RATED.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING NUMBER OF CONDUCTORS IN BRANCH CIRCUITS.
3. FOR ALL MECHANICAL EQUIPMENT, SEE MECHANICAL EQUIPMENT SCHEDULE FOR FEEDER AND DISCONNECT SIZES.

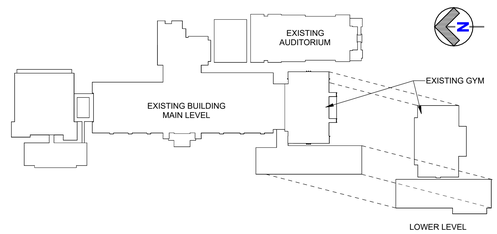
ELECTRICAL KEYNOTES

VALUE	NOTE
P2	DISCONNECT EXISTING EXHAUST FAN AND CONNECT NEW EXHUAST FAN.
P3	DEMO EXISITNG 20A/3P CIRCUIT BREAKER FOR EXHAUST FAN. PROVIDE NEW 15/3P CIRCUIT BREAKER FOR EXHAUST FAN.
P4	DEMO EXISITNG 20A/3P CIRCUIT BREAKER FOR TRANSFORMER XH. PROVIDE NEW 45A/3P CIRCUIT BREAKER FOR NEW TRANSFORMER.
P5	DEMO EXISITNG BRANCH CIRCUIT FOR EXISTING FCU. PROVIDE NEW DISCONNECT, BRANCH CIRCUIT, ETC. PER MECHANICAL EQUIPMENT SCHEDULE.
P6	CIRCUIT TO PANELBOARD LH. SEE MECHANICAL EQUIPMENT EQUIPMENT SCHEDULE FOR SIZE.
P7	DEMO (2) 30A/1P CIRCUIT BREAKERS. PROVIDE NEW CIRCUIT BREAKER FOR FCU-3. SEE MECHANICAL EQUIPMENT EQUIPMENT SCHEDULE FOR SIZE.
P8	DEMO EXISITNG 50A/3P MAIN CIRCUIT BREAKER. PROVIDE NEW 100A/3P CIRCUIT BREAKER. PROVIDE NEW 4#1, #6G.2"C. FEEDER FROM NEW TRANSFROMER XH.
P9	DEMO EXISITNG 15KVA TRANSFORMER. PROVIDE NEW 30KVA TRANSFORMER. PROVIDE NEW 3#6,#10G.1"C. FEEDER FROM PANELBOARD HH.
P10	DEMO (3) 30A/1P CIRCUIT BREAKERS. PROVIDE (3) NEW 20A/1P CIRCUIT BREAKERS.
P11	PROVIDE (1) NEW 25A/1P CIRCUIT BREAKER. DEMO EXISTING UNUSED CIRCUIT BREAKER IF NECESSARY.
P12	CIRCUIT TO 20A/1P CIRCUIT BREAKER IN PANELBOARD LG.
P13	DISCONNECT EXISTING HEATER AND CONNECT NEW HEATER.
P14	VERIFY EXISITNG BRANCH CIRCUIT IS 277V, 1Ø, 20A. PROVIDE NEW CIRCUIT BREAKER, CONDUCTORS, RECEPTACLE, ETC. AS NECESSARY FOR NEW HVAC UNIT.
P15	CONNECTION TO GYM CURTAIN SYSTEM / MOTOR / CONTROLS. 120V, 1Ø, 3/4HP. VERIFY EXACT LOCATION (AT JOISTS) IN FIELD.
P16	CIRCUIT TO 25A/1P CIRCUIT BREAKER IN PANELBOARD LG.
P17	CONTROLLER FOR GYM CURTAIN SYSTEM. COORDINATE EXACT LOCATION. PROVIDE CONDUIT AND CONDUCTORS TO CONTROLS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.



1 E2.1 POWER PLAN - GYM LOWER LEVEL
1/8" = 1'-0"

KEY PLAN



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REVISIONS #	DATE	DESCRIPTION

SHEET TITLE
POWER PLAN - GYM LOWER LEVEL

DATE 2/1/2024

PROJECT NUMBER 20116

SHEET NUMBER E2.1

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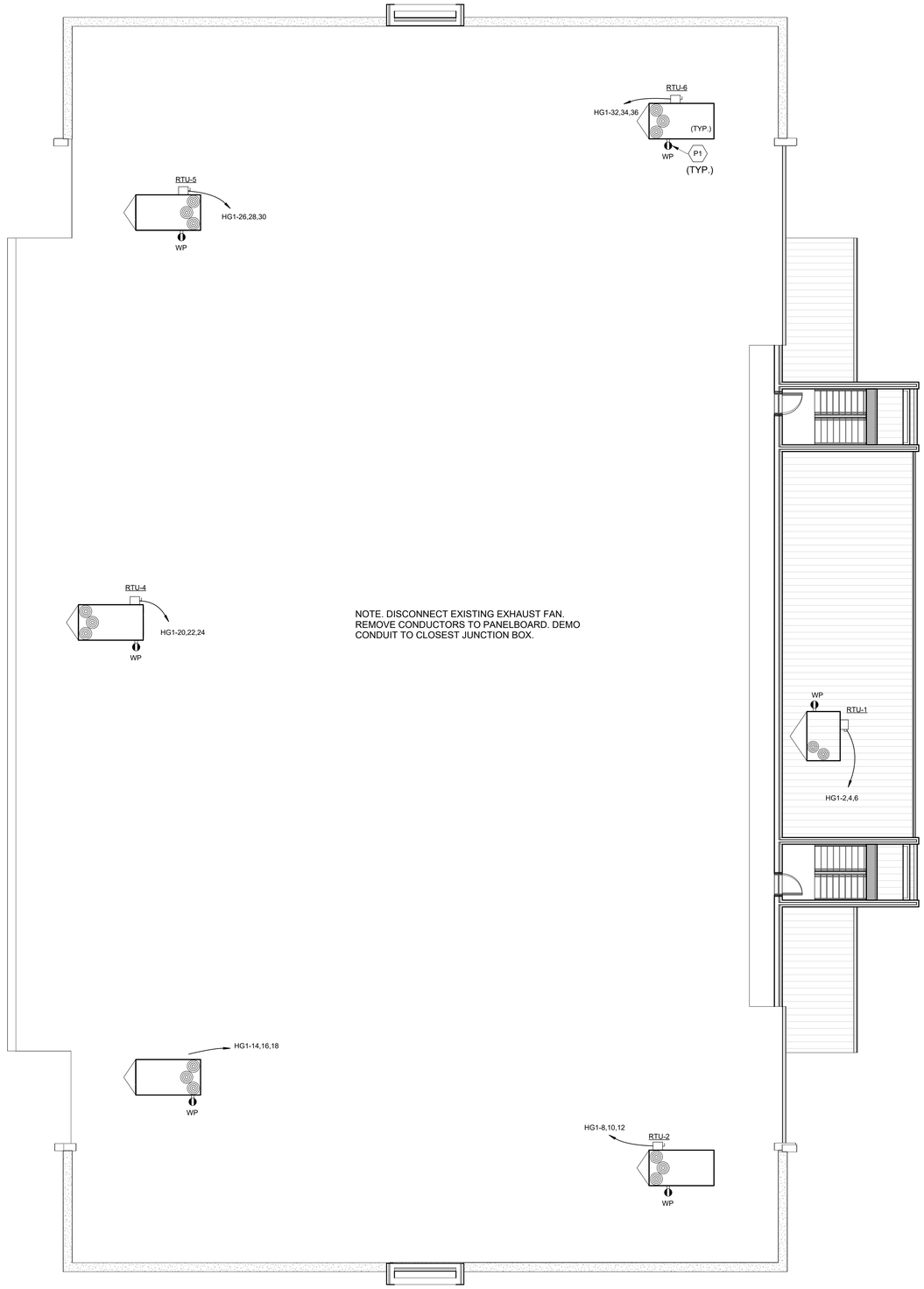
POWER PLAN NOTES

1. ALL CONDUCTORS, WIRES, CABLES, ETC. SHALL BE PLENUM RATED.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING NUMBER OF CONDUCTORS IN BRANCH CIRCUITS.
3. FOR ALL MECHANICAL EQUIPMENT, SEE MECHANICAL EQUIPMENT SCHEDULE FOR FEEDER AND DISCONNECT SIZES.

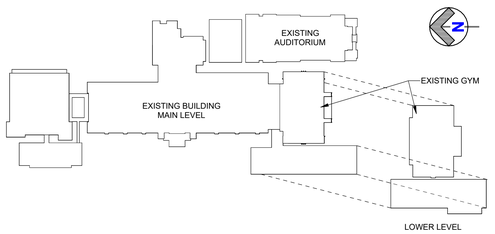
ELECTRICAL KEYNOTES

VALUE	NOTE
P1	MAINTENANCE RECEPTACLE ON HVAC EQUIPMENT. CIRCUIT TO NEAREST 120V/1Ø CIRCUIT



1 E2.2 POWER PLAN - GYM ROOF
1/8" = 1'-0"

KEY PLAN



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Gray, Georgia
FOR:
Jones County Schools
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REVISIONS		
#	DATE	DESCRIPTION

SHEET TITLE: POWER PLAN - GYM ROOF

DATE: 2/1/2024

PROJECT NUMBER: 20116

SHEET NUMBER: E2.2

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HG1

LOCATION: JANITOR / LAUNDRY G...
SUPPLY FROM: ECBHG1
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTS: 480Y/277
PHASES: 3
WIRES: 4
FEED-THRU LUGS: No

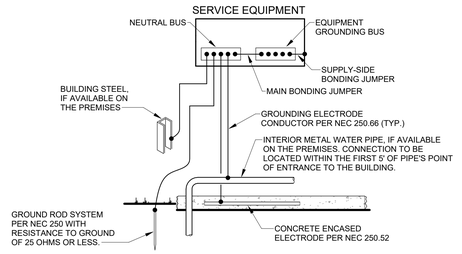
A.I.C. RATING: 22000
MAINS TYPE: MLO
MAINS RATING: 400 A
BUS RATING: 400 A

#	CIRCUIT DESCRIPTION	TRIP	POLES	A	B	C	POLES	TRIP	CIRCUIT DESCRIPTION	#
1				1884 6485						2
3	CU-3	15 A	3		1884 6485		3	30 A	RTU-1	4
5						1884 6485				6
7				12748 9062						8
9	AHU-1	50 A	3		12748 9062		3	50 A	RTU-2	10
11						12748 9062				12
13				942 9062						14
15	CU-1	15 A	3		942 9062		3	50 A	RTU-3	16
17						942 9062				18
19				2300 9062						20
21	AHU-2	25 A	3		2300 9062		3	50 A	RTU-4	22
23						2300 9062				24
25				10000 9062						26
27	EDH-1	50 A	3		10000 9062		3	50 A	RTU-5	28
29						10000 9062				30
31				942 9062						32
33	CU-2	15 A	3		942 9062		3	50 A	RTU-6	34
35						942 9062				36
37	SPACE ONLY	--	1	-- --			1	--	SPACE ONLY	38
39	SPACE ONLY	--	1		-- --		1	--	SPACE ONLY	40
41	SPACE ONLY	--	1			-- --	1	--	SPACE ONLY	42
	TOTAL CONNECTED LOAD:			80612 VA	80612 VA	80612 VA				
	TOTAL CONNECTED AMPS:			291 A	291 A	291 A				

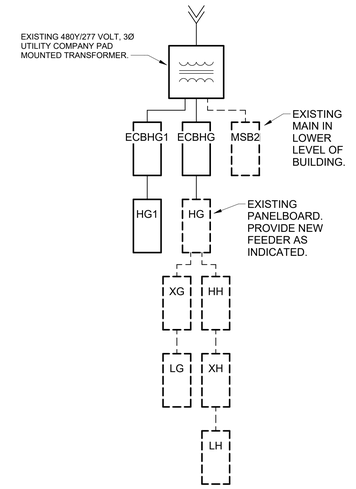
LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
HVAC	241837 VA	100.00%	241837 VA

PANEL TOTALS	
TOTAL CONNECTED LOAD:	241837 VA
TOTAL ESTIMATED DEMAND:	241837 VA
TOTAL CONNECTED AMPS:	291 A
CALCULATED DEMAND AMPS:	291 A

NOTES:



2 E5.1 SERVICE GROUNDING DETAIL
NOT TO SCALE



NOTES:
1. PROVIDE SERVICE ENTRNACE GROUND PER NEC 250.
2. EXISTING EQUIPMENT SHOWN DASHED.

1 E5.1 ONE-LINE DIAGRAM
NOT TO SCALE

FEEDER SCHEDULE

FROM	TO	VOLTAGE	AMPACITY	CALLOUT
ECBHG	HG	480Y/277 V / 3Ø / 4W	250	4#250, #4G, 3"C
ECBHG1	HG1	480Y/277 V / 3Ø / 4W	400	4#500, #3G, 3-1/2"C
UTILITY	ECBHG	480Y/277 V / 3Ø / 4W	250	4#250, #4G, 3"C
UTILITY	ECBHG1	480Y/277 V / 3Ø / 4W	400	4#500, #3G, 3-1/2"C

ENCLOSED CIRCUIT BREAKER SCHEDULE

MARK	VOLTAGE	Ø	W	SIZE	HOUSING RATING
ESBHG	480V	3	3	250 A	NEMA 3R
ESBHG1	480V	3	3	400 A	NEMA 3R

ONE-LINE DIAGRAM NOTES

1. PROVIDE INDIVIDUAL NEUTRALS, HANDLE-TIES OR MULTIPLE-POLE BREAKERS FOR ALL MULTI-WIRE BRANCH CIRCUITS.
2. PANELBOARD, SWITCHBOARD, ENCLOSED CIRCUIT BREAKERS, AND ATS / GBS LABELS SHALL BE AS FOLLOWS:
   A. EQUIPMENT NAME (EX: HG)
   B. VOLTAGE / PHASES / # OF WIRES (EX: 208Y/120V, 3Ø, 4W)
   C. FEEDER (EX: FED FROM DP)

SERVICE ENTRANCE NOTES

1. PROVIDE PLAQUE ON EXISTING SERIVCE ENTRANCE EQUIPMENT AS FOLLOWS:
   A. ON SWBD - "SERVICE ENTRANCE 1 OF 4.
   B. ON MSB2 - "SERVICE ENTRANCE 2 OF 4.
   C. ON ECBHG - "SERVICE ENTRANCE 3 OF 4.
   D. ON ECBHG1 - "SERVICE ENTRANCE 4 OF 4.
2. AT EACH PIECE OF SERVICE ENTRANCE EQUIPMENT, PROVIDE A MAP SHOWING THE LOCATION OF ALL OF THE SERVICE ENTRANCE DISCONNECTS.

3 E5.1 LOCATION OF SERVICE DISCONNECTS
1/32" = 1'-0"

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REVISIONS #	DATE	DESCRIPTION

SHEET TITLE: ONE-LINE DIAGRAM, DETAILS, AND SCHEDULES

DATE: 2/1/2024

PROJECT NUMBER: 20116

SHEET NUMBER: E5.1

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MECHANICAL EQUIPMENT SCHEDULE (WITH MOCP)

TAG	VOLTAGE	Ø	FLA	MCA	MOCP	DISCONNECT	BRANCH CIRCUIT	NOTES
AHU-1	480 V	3	46 A	49 A	50 A	60/3/NF/1	3#6,#10G,1"C	
AHU-2	480 V	3	8 A	20 A	25 A	30/3/NF/1	3#6,#4G,1"C	
CU-1	480 V	3	3 A	4 A	15 A	30/3/NF/3R	3#12,#12G,3/4"C	
CU-2	480 V	3	3 A	4 A	15 A	30/3/NF/3R	3#12,#12G,3/4"C	
FCU-3	208 V	1	35 A	45 A	45 A	60/2/NF/1	2#4,#6G,1"C	
HP-3	480 V	3	7 A	8 A	15 A	30/3/NF/3R	3#12,#12G,3/4"C	
RTU-1	480 V	3	23 A	28 A	30 A	30/3/NF/3R	3#10,#10G,3/4"C	1, 2,3
RTU-2	480 V	3	33 A	37 A	50 A	60/3/NF/3R	3#6,#10G,1"C	1, 2,3
RTU-3	480 V	3	33 A	37 A	50 A	60/3/NF/3R	3#6,#10G,1"C	1, 2,3
RTU-4	480 V	3	33 A	37 A	50 A	60/3/NF/3R	3#6,#10G,1"C	1, 2,3
RTU-5	480 V	3	33 A	37 A	50 A	60/3/NF/3R	3#6,#10G,1"C	1, 2,3
RTU-6	480 V	3	33 A	37 A	50 A	60/3/NF/3R	3#6,#10G,1"C	1, 2,3

MECHANICAL EQUIPMENT SCHEDULE (OTHER)

TAG	VOLTAGE	Ø	LOAD	DISCONNECT	BRANCH CIRCUIT	NOTES
A-1	120 V	1	17 A		2#12,#12G,3/4"C	
A-2	120 V	1	17 A		2#12,#12G,3/4"C	
A-3	120 V	1	17 A		2#12,#12G,3/4"C	
CH-2	277 V	1	4.0 kW		2#12,#12G,3/4"C	
CH-3	277 V	1	4.0 kW			
EDH-1	480 V	3	30.0 kW	60/3/NF/1	3#6,#10G,1"C	
EF-15	120 V	1	0.2 kW		2#12,#12G,3/4"C	5
EF-22	480 V	3	3/4 HP	SEE NOTES.	3#12,#12G,3/4"C	4
EF-23	480 V	3	3/4 HP	SEE NOTES.	3#12,#12G,3/4"C	4

MECHANICAL EQUIPMENT SCHEDULE NOTES

1. CIRCUITS FOR POWER, CONTROL, ETC. THROUGH THE ROOF SHALL BE INSIDE THE UNIT CURB.
2. PROVIDE RECEPTACLE (WP, GFCI) FOR MAINTENANCE PER NEC. CIRCUIT AS INDICATED ON DRAWINGS.
3. PROVIDE FIRE ALARM SYSTEM DUCT SMOKE DETECTOR. COORDINATE WITH OWNER FOR CONNECTION OF NEW DUCT SMOKE DETECTORS IN EXISITNG FIRE ALARM SYSTEM.
4. CONNECT TO EXISTING DISCONNECT / STARTER. VERIFY EXISTING BRANCH CIRCUIT MEETS MINIMUM REQUIREMENTS SPECIFIED. SEE POWER PLAN FOR CIRCUIT BREAKER REQUIREMENTS.
5. CONNECT TO EXISTING LIGHTING CIRCUIT.

MECHANICAL EQUIPMENT SCHEDULE GENERAL NOTES

A. VERIFY ELECTRICAL REQUIREMENTS OF PURCHASED UNITS PRIOR TO ROUGH-IN.

B. PROVIDE DISCONNECT SWITCH INDICATED.

C. EXTERIOR FLEXIBLE CONDUIT SHALL BE "SEALTITE" OR EQUAL.

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LUMENS	WATTAGE
A	LED FLAT PANEL, EDGE LIT, 2X4, FROSTED LENS, 5000 LUMENS, GRID MOUNTED, 0-10V DIMMING DRIVER. ON SELETABLE OUTPUT FIXTURES, SET OUTPUT TO LUMENS INDICATED.	COLUMBIA DAY BRITE METALUX LITHONIA	CFP24-55/41/3435 CFI SERIES FPS SERIES CPX SERIES	5000 lm	49 VA
A1	LED FLAT PANEL, EDGE LIT, 2X4, FROSTED LENS, 5000 LUMENS, GRID MOUNTED, 0-10V DIMMING DRIVER, EMERGENCY BATTERY. ON SELETABLE OUTPUT FIXTURES, SET OUTPUT TO LUMENS INDICATED.	COLUMBIA DAY BRITE METALUX LITHONIA	CFP24-55/41/3435-ELL14 CFI SERIES FPS SERIES CPX SERIES	5000 lm	49 VA
D	LED FLAT PANEL, EDGE LIT, 2X2, FROSTED LENS, 4200 LUMENS, GRID MOUNTED, 0-10V DIMMING DRIVER. ON SELETABLE OUTPUT FIXTURES, SET OUTPUT TO LUMENS INDICATED.	COLUMBIA DAY BRITE METALUX LITHONIA	CFP22-40/33/2835 CFI SERIES FPS SERIES CPX SERIES	4200 lm	40 VA
D1	LED FLAT PANEL, EDGE LIT, 2X2, FROSTED LENS, 4200 LUMENS, GRID MOUNTED, 0-10V DIMMING DRIVER, EMERGENCY BATTERY. ON SELETABLE OUTPUT FIXTURES, SET OUTPUT TO LUMENS INDICATED.	COLUMBIA DAY BRITE METALUX LITHONIA	CFP22-40/33/2835-ELL14 CFI SERIES FPS SERIES CPX SERIES	4200 lm	40 VA
H	LED BACK-LIT PANEL, 2X4, FROSTED, 6000 LUMENS, 3500K CCT, 0-10V DIMMING DRIVER, FLANGE MOUNTED.	LITHONIA DAY BRITE METALUX COLUMBIA	CPX 2X4 6000LM 80CRI 35K SWL MIN10 ZT MVOLT DGA24 CFI SERIES FPS SERIES CBT SERIES	6000 lm	50 VA
H1	LED BACK-LIT PANEL, 2X4, FROSTED, 6000 LUMENS, 3500K CCT, 0-10V DIMMING DRIVER, EMERGENCY BATTERY, FLANGE MOUNTED.	LITHONIA DAY BRITE METALUX COLUMBIA	CPX 2X4 6000LM 80CRI 35K SWL MIN10 ZT MVOLT E7W DGA24 CFI SERIES FPS SERIES CBT SERIES	6000 lm	50 VA
L	LED BACK-LIT PANEL, 2X2, FROSTED, 4000 LUMENS, 3500K CCT, 0-10V DIMMING DRIVER, FLANGE MOUNTED.	LITHONIA DAY BRITE METALUX COLUMBIA	CPX 2X2 4000LM 80CRI 35K SWL MIN10 ZT MVOLT DGA22 CFI SERIES FPS SERIES CBT SERIES	4000 lm	40 VA
L1	LED BACK-LIT PANEL, 2X2, FROSTED, 4000 LUMENS, 3500K CCT, 0-10V DIMMING DRIVER, EMERGENCY BATTERY, FLANGE MOUNTED.	LITHONIA DAY BRITE METALUX COLUMBIA	CPX 2X2 4000LM 80CRI 35K SWL MIN10 ZT MVOLT E7W DGA22 CFI SERIES FPS SERIES CBT SERIES	4000 lm	40 VA
P	4' WHITE STRIP, 5,000 LUMENS, 0-10V DIMMING DRIVER, MOUNT AT 10'-0" AFF BY CHAIN. SURFACE MOUNT IF CEILING IS LOWER THAN 10'-0" AFF.	COLUMBIA METALUX WILLIAMS LITHONIA	MPS4-35ML-CW-EDU METALUX SNLED SERIES WILLIAMS 7S SERIES LITHONIA ZL1D SERIES	5000 lm	40 VA
S	4' ENCLOSED, GASKETED FIXTURE, LED, 5000 LUMENS, RIBBED FROSTED POLYCARBINATE LENS, WET LOCATION LISTED. MOUNT AT 10'-0" AFF BY CHAIN IF NO CEILING OR CEILING IS HIGHER THAN 10'-0" AFF. SURFACE MOUNT IF CEILING IS LOWER THAN 10'-0" AFF.	COLUMBIA METALUX WILLIAMS LITHONIA	LXEM4-35ML-RFA-EDU METALUX VT LED SERIES WILLIAMS 96 SERIES LITHONIA FEM SERIES	5000 lm	42 VA
BA	LED FLAT PANEL, EDGE LIT, 2X4, FROSTED LENS, 5000 LUMENS, SURFACE MOUNTED, 0-10V DIMMING DRIVER. ON SELETABLE OUTPUT FIXTURES, SET OUTPUT TO LUMENS INDICATED.	COLUMBIA DAY BRITE METALUX LITHONIA	CFP24-55/41/3435-SRPSMK-24 CFI SERIES FPS SERIES CPX SERIES	5000 lm	49 VA
BA1	LED FLAT PANEL, EDGE LIT, 2X4, FROSTED LENS, 5000 LUMENS, SURFACE MOUNTED, 0-10V DIMMING DRIVER, EMERGENCY BATTERY. ON SELETABLE OUTPUT FIXTURES, SET OUTPUT TO LUMENS INDICATED.	COLUMBIA DAY BRITE METALUX LITHONIA	CFP24-55/41/3435-ELL14-SRPSMK-24 CFI SERIES FPS SERIES CPX SERIES	5000 lm	49 VA
BF	LED FLAT PANEL, EDGE LIT, 2X2, FROSTED LENS, 3300 LUMENS, SURFACE MOUNTED, 0-10V DIMMING DRIVER. ON SELETABLE OUTPUT FIXTURES, SET OUTPUT TO LUMENS INDICATED.	COLUMBIA DAY BRITE METALUX LITHONIA	CFP22-40/33/2835-SRPSMK-22 CFI SERIES FPS SERIES CPX SERIES	3300 lm	30 VA
XEC	EXIT SIGN / EMERGENCY LIGHTING COMBINATION FIXTURE, WHITE THERMOPLASTIC HOUSING, RED LETTERS, LED EMERGENCY LIGHTS, EMERGENCY BATTERY, WIRE GUARD.	DUAL-LITE CHLORIDE EMERGI-LITE	EVCURWE-WG APPROVED EQUAL APPROVED EQUAL		10 VA
ZA	LED FLAT PANEL, EDGE LIT, 2X4, FROSTED LENS, 5000 LUMENS, GRID MOUNTED, STEP DIMMING.	COLUMBIA DAY BRITE METALUX LITHONIA	SRP24-35ML-G-ESDU APPROVED EQUAL APPROVED EQUAL APPROVED EQUAL	5000 lm	49 VA
ZA1	LED FLAT PANEL, EDGE LIT, 2X4, FROSTED LENS, 5000 LUMENS, GRID MOUNTED, STEP DIMMING, EMERGENCY BATTERY.	COLUMBIA DAY BRITE METALUX LITHONIA	SRP24-35ML-G-ESDU-ELL14 APPROVED EQUAL APPROVED EQUAL APPROVED EQUAL	5000 lm	49 VA
ZB	LED FLAT PANEL, EDGE LIT, 2X4, FROSTED LENS, 2600 LUMENS, GRID MOUNTED, STEP DIMMING.	COLUMBIA DAY BRITE METALUX LITHONIA	SRP24-35XW-G-ESDU APPROVED EQUAL APPROVED EQUAL APPROVED EQUAL	2600 lm	22 VA
ZC	LED HIGH BAY, 2X4, 24,000 LUMENS,WIRE GUARD MOUNT AT SAME HEIGHT AS EXISTING LIGHTING FIXTURES.	LITHONIA OR APPROVED EQUAL	CPHB 24000LM SEF GCL WD MVOLT GZ10 40K 80CRI DWH WGCPHBMD	24000 lm	174 VA
ZC1	LED HIGH BAY, 2X4, 24,000 LUMENS,WIRE GUARD, EMERGENCY BATTER. MOUNT AT SAME HEIGHT AS EXISTING LIGHTING FIXTURES.	LITHONIA OR APPROVED EQUAL	CPHB 24000LM SEF GCL WD MVOLT GZ10 40K 80CRI E15WMCP DWH WGCPHBMD	24000 lm	174 VA
ZD	4' WHITE STRIP, 3,000 LUMEN. WALL MOUNT AT SAME LOCATION AS EXISTING FIXTURE.	LITHONIA OR APPROVED EQUAL	WL4 30L EZ1 LP835	3000 lm	29 VA
ZD1	4' WHITE STRIP, 3,000 LUMEN, EMERGENCY BATTERY. WALL MOUNT AT SAME LOCATION AS EXISTING FIXTURE.	LITHONIA OR APPROVED EQUAL	WL4 30L EZ1 LP835 EL7L	3000 lm	29 VA

LIGHTING FIXTURE SCHEDULE NOTES

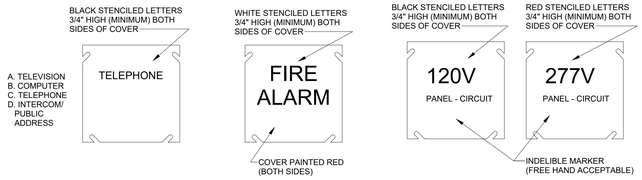
1. VERIFY CATALOG NUMBERS AND MANUFACTURERS LISTED VERSUS THE LIGHT FIXTURE DESCRIPTION. CATALOG NUMBERS FOR EACH FIXTURE TYPE ARE LISTED FOR REFERENCE ONLY. ALTERNATES AND SUBSTITUTIONS SHALL BE PRE-APPROVED.
2. MOUNTING HEIGHTS FOR LIGHTING FIXTURES ARE TO THE CENTER OF LIGHT FIXTURE UNLESS OTHERWISE NOTED.
3. VERIFY CEILING TYPES AND PROVIDE LIGHTING COMPONENTS ACCORDINGLY.
4. RECESSED FIXTURES SHALL BE SUITABLE FOR THE CEILING (AND INSULATION IF ANY) IN WHICH INSTALLED.
5. EMERGENCY BATTERY SHALL BE FACTORY INSTALLED.
6. EXIT SIGNS WITH BATTERY PACK SHALL HAVE DUAL VOLTAGE (120/277) AND "LOW BATTERY VOLTAGE DISCONNECT CIRCUIT".
7. EXTERIOR FIXTURES SHALL BE DAMP OR WET LOCATION RATED AS REQUIRED.
8. TROFFERS MOUNTED IN GRID CEILINGS SHALL BE SUPPORTED INDEPENDENT OF THE CEILING SYSTEM.
9. GRID MOUNTED TROFFERS SHALL HAVE "EARTHQUAKE" CLIPS AND ADDITIONAL GRID SUPPORT WIRES.
10. SEE LIGHT FIXTURE CONTROL DIAGRAM FOR CONNECTION OF EXIT AND EMERGENCY LIGHTING FIXTURES.

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	LIGHTING FIXTURE. REFER TO LIGHTING FIXTURE SCHEDULE. MOUNT AS SCHEDULED OR INDICATED. SHADED SYMBOL INDICATES LIGHTING FIXTURE IS CONNECTED TO EMERGENCY GENERATOR OR BATTERY SYSTEM.
	LIGHTING FIXTURE WITH EMERGENCY BATTERY. REFER TO LIGHTING FIXTURE SCHEDULE. MOUNT AS SCHEDULED OR INDICATED.
	EXIT SIGN / EMERGENCY LIGHTING COMBINAITON, WALL MOUNTED, WITH BATTERY BACKUP AND ON CIRCUIT BREAKER WITH LOCK-ON DEVICE.NUMBER OF FACES AND CHEVERONS AS INDICATED.
$	SWITCH, SINGLE POLE. MOUNT BOTTOM OF BOX AT 3'-8" AFF.
WP	RECEPTACLE, DUPLEX, GFI, WITH WEATHERPROOF IN-USE COVER. MOUNT BOTTOM OF BOX AT 1'-4" AFF / AFG, OR AS NOTED.
J	JUNCTION BOX OR OUTLET BOX WITH COVER PLATE. SEE DRAWINGS FOR REQUIREMENTS.
	DISCONNECT. FRAME SIZE / POLES / FUSE RATING / NEMA RATING. SEE DRAWINGS FOR EXACT SIZES.
	MOTOR OR FAN. SEE DRAWINGS FOR SIZE, REQUIREMENTS, ETC.

ELECTRICAL CONDUIT / WIRE LEGEND

SYMBOL	LEGEND INFORMATION
	CONDUIT AND WIRE CONCEALED IN WALL, ABOVE CEILING, OR BELOW SLAB. DEFAULT BRANCH CIRCUIT IS 2#12, #12G, 3/4"C. NUMBER BESIDE WIRE INDICATES LARGER WIRE SIZE FOR VOLTAGE DROP OR LOAD REQUIREMENTS. SIZE CONDUIT PER NEC. EQUIPMENT GROUND REQUIRED IN PVC CONDUIT. CONDUIT AND WIRE CAN BE EXPOSED IN JOIST AREA IF NO CEILING IS PRESENT.
	INDICATES CONDUIT AND WIRE CONCEALED BELOW GRADE OR SLAB.



LOW-VOLTAGE FIRE ALARM POWER SYSTEMS

1 E6.1 JUNCTION BOX MARKING REQUIREMENTS
NOT TO SCALE

ELECTRICAL ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
EC	EMPTY CONDUIT. PROVIDE PULL CORD.
EWC	ELECTRIC WATER COOLER
GFI, GFCI	GROUND FAULT CIRCUIT INTERRUPTER
NF	NON-FUSED
NL	NIGHT LIGHT. PROVIDE LOCK-ON DEVICE ON CIRCUIT BREAKER.
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR. SEE SPECIFICATIONS.
WG	WIRE GUARD
WP	WEATHERPROOF DEVICE OR COVER - NEMA 3R
#	PLAN KEYED NOTE

ROBERTSON LOIA ROOF ARCHITECTS & ENGINEERS
3460 Preston Ridge Road . Suite 275 . Alpharetta, GA. 30005
770.674.2600 / www.rlrpc.com
GA COA # PEF000562 EXPIRES: 06/30/2022

GEORGIA REGISTERED No. 24903 ENGINEER SCOTT E. WALKER
02/01/2024

Jones County High School Renovations
Gray, Georgia
FOR:
Jones County Schools
Overall Square Footage = 189,519 SF (Existing)
School Code: 684-0192; FTE=1,325 (Existing); IUs=95 (Existing)

#	DESCRIPTION	DATE
REVISIONS		

SHEET TITLE: ELECTRICAL LEGEND AND SCHEDULES

DATE: 2/1/2024

PROJECT NUMBER: 20116

SHEET NUMBER: E6.1