HVAC AND LIGHTING REPLACEMENT
AT

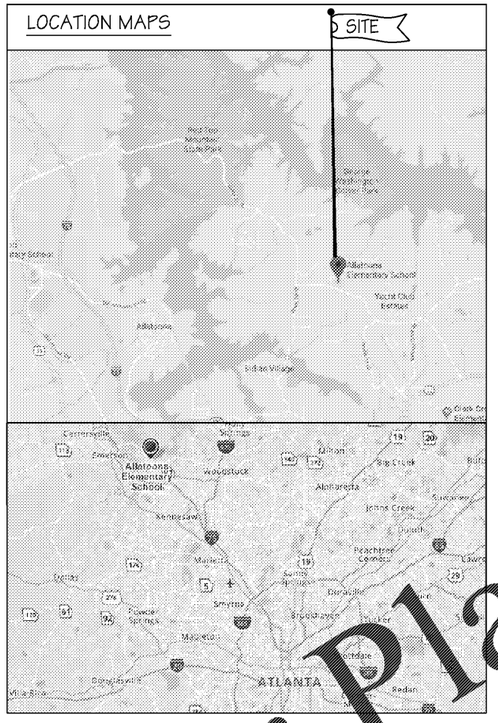
ALLATOONA ELEMENTARY SCHOOL

4150 NEW HOPE CHURCH ROAD
ACWORTH, GEORGIA

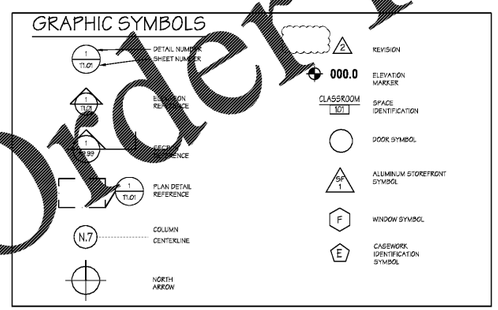
for the

Bartow County School System
Cartersville, Georgia

LOCATION MAPS



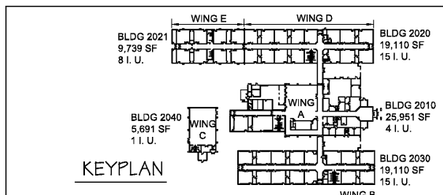
GRAPHIC SYMBOLS



ABBREVIATIONS

AB	ANCHOR BOLT	FOB	FACE OF BRICK	QT	QUARRY TILE
ABV	ABOVE	FOM	FACE OF MASONRY	QTB	QUARRY BASE (SANITARY)
AC	AIR CONDITIONING	FOS	FACE OF STUD	QTY	QUANTITY
ACM	ASBESTOS CONTAINING MATERIALS	FRP	FIBERGLASS REINFORCED POLYMER (POLYESTER, PLASTIC)	R	RISER
ACT	ACOUSTICAL CEILING TILE	FS	FEATURE STRIP (PAINT, OR RUBBER)	RAG	RACKING
ADJ	ADJACENT, ADJUSTABLE	FT	FOOT, FEET	RAG	RETURN AIR GRILLE
AFF	ABOVE FINISH FLOOR	FTG	FOOTING	RB	RESILIENT BASE
AGG	AGGREGATE	FWSC	FLUSH WOOD SOLID CORE	RBR	RUBBER
AL	ALUMINUM			RD	ROOF DRAIN
ALT	ALTERNATE	GA	GAGE, GAUGE	REFER	REFERENCE
ANC	ANCHOR, ANCHORAGE	GALV	GALVANIZED	REF	REFRIGERATOR
ANOD	ANODIZED	GB	GRAB BAR	REINF	REINFORCING
APF	ACOUSTICAL PANEL FABRIC	GC	GENERAL CONTRACT (OR)	RESIL	RESILIENT
APPROX	APPROXIMATE(LY)	GFI	GROUND FAULT INTERRUPTING	REM	REDESIGNED ENTRANCE MAT
AUTO	AUTOMATIC	GL	GLASS, GLAZING	REQD	REQUIRED
AWC	ACOUSTICAL WALL COVERING	G.S.	GLASS SIDE (INSTALL GLAZING ON THIS SIDE OF FRAME)	REV	REVISION(S), REVISED
AWP	ACOUSTICAL WALL PANEL			RF	RUBBER FLOORING
		GWB	GYPSUM WALL BOARD	RH	ROBE HOOK
BD	BOARD	GWH	GAS WATER HEATER	RL	RAIN LEADER
BR	BRICK			RM	ROOM
BLDG	BUILDING	H	HIGH	RO	ROUGH OPENING
BLK	BLOCK	HB	HOSE BIBB	RPB	RECYCLED RUBBER FLOOR
BLKG	BLOCKING	HC	HANDICAP (PED)	RRD	RAISED RUBBER DISC
BM	BENCH MARK	HCD	HOLLOW CORE DOOR	RSF	RUBBER SPORTS FLOOR
BOT	BOTTOM	HD	HAND DRYER	RTH	RIGHT HAND
BRD	BEARING	HDW	HARDWARE	RW	RIGHT OF WAY
BB	BOTH SIDES	HGT	HEIGHT		
BUR	BUILT UP ROOFING	HORIZ	HORIZONTAL	S	SOUTH
		HR	HANDRAIL	SB	SPLASH BLOCK
CAB	CABINET	HS	HAND SINK	SC	SOLID CORE
CB	CATCH BASIN, CHALKBOARD	HSS	HOLLOW STRUCTURAL SECTION	S CAB	STORAGE CABINET
CBS	CARPET EDGE STRIP	HTG	HEATING	SCH	SCHEDULE
CC	CONCRETE	HWH	HEATING(D)	SCN	SCREEN
CG	CORNER GUARD	HVAC	HEATING/VENTILATING & AIR CONDITIONING	SD	STORM DRAIN
CH	COAT HOOK			SEC	SECTION
CI	CAST IRON			SERV, SERV	SERVICE
CJ	CAST IN PLACE	ID	INSIDE DIAMETER	SF	SQUARE FOOT
CLG	CEILING	IN	INCH (ES)	SHLF	SHELF
CJ	CONTROL JOINT	INSUL	INSULATE (ED) (ION)	SHLV	SHELVES
CL	CENTER LINE	INT	INTERIOR	SHT	SHEET
CLR	CLEAR(ANCE)	INV	INVERT(ED)	SIM	SIMILAR
CM	CENTIMETER(S)			SP D	SOAP DISPENSER
CMP	CORRUGATED METAL PIPE	JST	JOIST	SPEC	SPECIFICATION(S)
CMU	CONCRETE MASONRY UNIT	JT	JOINT	SPM	SPANDREL MULLION
CN	CONDUIT			SQ	SQUARE
CO	CLEANOUT	L	LENGTH, LONG	SR	SHEET RUBBER
COL	COLUMN	LAM	LAMINATE(D)	SS	STAINLESS STEEL
COMB	COMBINATION	LAV	LAVATORY	ST	STORAGE
CONC	CONCRETE	LL	LIVE LOAD	STL	STEEL
CONT	CONTINUOUS	LT	LIGHT	STD	STANDARD
CONTR	CONTRACTOR	LT WT	LIGHTWEIGHT	STO	STORAGE
CONST	CONSTRUCTION	LVR	LOUVER	STRM	STORM DRAIN
COORD	COORDINATE (ED) (ION) (ING)			STRUC	STRUCTURAL
CORR	CORRUGATED	M	METER(S)	SUSP	SUSPENDED
CPT	CARPET(ED)	MAS	MASONRY		SHEET VINYL
CR	COAT RACK	MAT	MATERIAL(S)	SVM	SHEET VINYL (CAL)
CT	CERAMIC TILE	MAU	MAKE UP AIR UNIT	SYM	SYMBOL
CTR	CENTER	MAX	MAXIMUM		SYSTEM
CUH	CEILING UNIT HEATER	MB	MARKERBOARD		
CWT	CERAMIC WALL TILE (GLAZED)	MBT	MARBLE THRESHOLD		TREAD
CY	CUBIC YARD	MDP	MAIN DISTRIBUTION PANEL	TB	TACK BOARD
		MED	MEDIAN	TC	TERRA COTTA
DBL	DOUBLE	MES	MEDIUM	TCAB	TEACHER CABINET
DEMO	DEMOLISH, DEMOLITION	MEB	METAL EDGE STRIP	TEL	TELEPHONE
DF	DRINKING FOUNTAIN	MFR	MANUFACTURER(S)	TG	TOP OF GRATE
DIA	DIAMETER	MG	MIRROR, GLASS	TJ	TOOL JOINT
DIM	DIMENSION	MH	MOP HOLDER	TOM	TOP OF MASONRY
DN	DOWN	MIN	MINIMUM	TOS	TOP OF STEEL
DR	DOOR	MISC	MISCELLANEOUS	TP	TOILET PARTITION
DS	DOWNSPOUT	MJ	MASONRY JOINT(ED)	TPD	TOILET PAPER DISPENSER
DTL	DETAIL	MT	MARBLE THRESHOLD	TS	TACK STRIP
DWG	DRAWING	MTD	MOUNTED	TV	TELEVISION
		MTL	METAL	TYP	TYPICAL
E	EAST	MULL	MULLION	TZ	TERRAZZO
EA	EACH			TTB	TOWEL BAR
EIFS	EACH FACE	N	NORTH	T&G	TONGUE AND GROOVE
	EXTERIOR INSULATION AND FINISH SYSTEM	NAT	NATURAL		
EJ	EXPANSION JOINT	NIC	NOT IN CONTRACT	UC	UNDERCUT
EJM	EXPANSION JOINT MATERIAL	NOM	NOMINAL	UG	UNDERGROUND
EL	ELEVATION	NTS	NOT TO SCALE	UNO	UNLESS NOTED OTHERWISE
ELEC	ELECTRICAL			UR	URINAL(S)
ELEV	ELEVATOR	OA	OVERALL		
EMER	EMERGENCY	OC	ON CENTER(S)	VAT	VINYL ASBESTOS TILE
ENCL	ENCLOSURE	OD	OUTSIDE DIAMETER	VB	VINYL BASE
EQ	EQUAL	OH	OPPOSITE HAND	VCT	VINYL COMPOSITION TILE
EQUIP	EQUIPMENT	OPNG	OPENING	VERT	VERTICAL
ESC	ESCAPE	OPP	OPPOSITE	VEB	VINYL EDGE STRIP
ESD	EXISTING SOAP DISPENSER	OVH	OVERHEAD	VIF	VERIFY IN FIELD
ET	ETCETERA			VTH	VENT THROUGH ROOF
EW	EACH WAY	PCT	PORCELAIN TILE	VTW	VENT THROUGH WALL
EWC	ELECTRIC WATER COOLER	PEJ	PRE-MOLDED EXPANSION JOINT	VWC	VINYL WALL COVERING
EWH	ELECTRIC WATER HEATER	PH	PAPER HOLDER	VWFC	VEIN WINDOW FRAME COLOR
EX	EXISTING	PL	PROPERTY LINE		
EXP	EXPANSION	PKG	PACKAGE (ING)	W	WEST, WIDE
EXT	EXTERIOR	P	PLATE, PROPERTY LINE	WJC	WALL EXPANSION JOINT COVER
EXTG	EXISTING	PL	PLASTIC LAMINATE	WB	WALL BASE
		PLAS	PLASTIC	WC	WATER CLOSET
FA	FIRE ALARM	PLYWD	PLYWOOD	WCO	WALL CLEAN OUT
FAB	FABRICATED	PNL	PANEL	WD	WOOD
FACP	FIRE ALARM CONTROL PANEL	PNT	PAINT	WG	WIRE GLASS
FB	FIRE BLANKET	PNTD	PAINTED	WH	WALL HYDRANT
FCU	FAN COIL UNIT	POLY	POLYETHYLENE	WIN	WINDOW
FD	FLOOR DRAIN	PREFAB	PREFABRICATED	WP	WATERPROOFING
FE	FIRE EXTINGUISHER (BRACKET MOUNTED)	PREP	PREPARE	WTG	WALL TILE GROUT
		PRV	PRESSURE REDUCING VALVE	WWF	WELDED WIRE FABRIC
FEC	FIRE EXTINGUISHER IN CABINET	PSB	PENCIL SHARPENER BLOCK	WS	WINDOW SILL
FEJC	FLOOR EXPANSION JOINT COVER	PSF	POUNDS PER SQUARE FOOT	W/	WITH
FFE	FINISH FLOOR ELEVATION	PSI	POUNDS PER SQUARE INCH	WD	WASHER/DRYER
FG	FLOOR GRILLE	PT	PRESSURE TREATED	W/O	WITHOUT
FH	FIRE HORN	PTD	PAPER TOWEL DISPENSER		
FIN	FINISH (ED)	PTN	PARTITION	@	AT
FLR	FLOOR(ING)	PVC	POLYVINYL CHLORIDE	&	AND
FLUOR	FLUORESCENT	PVMT	PAVEMENT		

KEYPLAN



DESIGN TEAM

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GENERAL NOTES

1. NO PRODUCTS CONTAINING ASBESTOS SHALL BE INSTALLED ON THIS JOB.
2. No product containing lead shall be used in the potable water system, such as in drinking fountains, copper pipe solder joints, etc. Lead-free pipes, solder and flux shall be used for potable water plumbing system.
3. Dielectric adaptors shall be used when pipes of dissimilar metals are being connected.
4. It is the responsibility of the General Contractor to environmentally control the building to install materials which are affected by climatic conditions. In the event that the buildings new HVAC is used for this purpose, the warranty shall not begin until the date of substantial completion.
5. All floor mounted water heaters, floor mounted HVAC units and electrical panels shall be set on a (minimum) 6" high concrete housekeeping pad.
6. Field measure/verify all dimensions before fabricating or constructing. Notify Architect of any discrepancies before performing any work.
7. See Specification Section 01300-Allowances for completing remedial work at rated walls, which shall include, but not limited to:
   a. Any existing penetrations through rated walls that are open, shall be sealed with fire caulk. The original contract drawings will be made available for determining rated walls. See Detail 9/A4.01 for typical examples of penetrating through rated walls.
   b. If not in place, identify all rated walls, using 2" high letters, stencil @ 12'-0" o.c.(above the finished ceiling), the indication of the appropriate rating i.e. "1-HR Fire and Smoke Barrier-Protect All Openings as Required". The original contract drawings will be made available for determining rated walls.
   c. See Detail 5/A4.01 for the general composition of the secondary and finish ceiling. The secondary ceiling shall be repaired/new panels placed, if damaged/missing.
8. Contractor shall take care to protect all existing adjacent materials from being damaged during this work.
9. For all new or existing concrete masonry units receiving new paint, fill all nail holes and cracks, repair chipped/cracked block, apply sufficient block-fill to receive new paint finish.
10. "Tooth-in" all brick and block work at in-fills.
11. Where materials that are glued to walls are removed, completely remove residual glue from wall surface.
12. In specific classrooms noted on the Reflected Ceiling Plans, the ceiling tiles shall be removed for the purpose of re-installing them as "replacement tile" in other spaces where mechanical grilles, emergency lights, etc have been removed.
The intent is for the replacement tiles to be installed in these locations in order to match adjacent tiles. In those specific classrooms, the ceiling grid shall remain in place and new acoustical tiles shall be installed. See Sheet A3.02 and A3.03 for location of those classrooms.
13. Where ceiling tiles are removed to facilitate mechanical or electrical work above the ceiling, reinstall the ceiling tile if in good condition. If damaged, install a ceiling tile from the "replacement tile" stock noted in Note 12.
14. The Contractor shall have a low voltage sub-contractor to disconnect any low voltage items in the ceiling where new ceiling tiles are to be installed. The low voltage sub-contractor shall install the low voltage items in the new ceiling tiles, reconnect and ensure each is working properly.
15. See Mechanical Drawings for the removal and replacement of HVAC units, exhaust fans, wall and ceiling heaters.
16. See Electrical Drawings for the removal and replacement of light fixtures (including exit signs), installation of dimming system and occupancy sensors.

INDEX OF DRAWINGS

SCOPE OF WORK

THE SCOPE OF WORK SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
1. REPLACE ALL GAS FIRED WALL HUNG HEAT PUMPS, EXCEPT FOR THOSE IN THE GYM ,AND PROVIDE NEW DISCONNECTS.
2. PROVIDE DRY WELL FOR CONDENSATE LINES TO DRAIN INTO.
3. CONNECT THE FOUR EXISTING WHHP IN GYM TO THE BUILDING AUTOMATION SYSTEM.
4. REPLACE ALL PTAC UNITS AND OUTSIDE LOUVERS.
5. REPLACE ALL EXHAUST FANS.
6. REPLACE ALL WALL HEATERS.
7. REPLACE ALL CEILING UNIT HEATERS IN CORRIDORS AND TOILETS
8. ADD MINI-SPLIT UNIT IN THE DRY FOOD STORAGE ROOM IN KITCHEN.
9. REMOVE THE EXISTING GRAVITY FAN IN THE DRY FOOD STORAGE ROOM AND REPAIR ROOF. SEE DETAIL.
10. ADD NEW HVAC IN THE KITCHEN.
11. REPLACE ALL MINI-SPLIT UNITS (INDOOR AND OUTDOOR UNITS).
12. REPLACE ALL CEILING DIFFUSERS AND GRILLES (INCLUDING AT EXHAUST FANS).
13. PROVIDE NEW BUILDING AUTOMATION SYSTEM (BAS).
14. ENSURE ALL UNITS, NEW AND EXISTING, ARE CONNECTED TO THE BAS.
15. REPLACE ALL LIGHT FIXTURES WITH NEW LED LIGHTS, INTERIOR AND EXTERIOR.
16. PROVIDE DIMMERS FOR ALL CLASSROOM LIGHTING.
17. PROVIDE OCCUPANCY SENSORS AS REQUIRED BY NEC.
18. REPLACE CEILING GRID AND TILES IN KITCHEN AND ASSOCIATED SUPPORT SPACES
19. REPLACE CEILING GRID AND/OR TILES IN THE REMAINING SCHOOL BUILDINGS ONLY AS SHOWN ON THE REFLECTED CEILING PLANS.
20. TOUCH UP PAINT ON WALLS, ETC. TO MATCH WHERE SURFACES ARE DAMAGED BY THE WORK OF THIS PROJECT.
21. SEE ALLOWANCES SECTION OF THE SPECIFICATIONS.
22. SEE ALTERNATES SECTION OF THE SPECIFICATIONS.
23. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL WORK NOT LISTED HERE.

SET NO. _____

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CARTERSVILLE, GEORGIA

STATE OF GEORGIA · WM. HAROLD DELOACH · CERTIFICATE NO. 19647 · REGISTERED ARCHITECT

NO.	REVISIONS	DATE

CONSTRUCTION DOCUMENTS

TITLE SHEET
SCALE: AS NOTED
SHEET
T1.01
1 OF 32

FILE: 18.08
DATE: 12/14/18