

ELECTRONIC ACCESS CONTROL SYSTEM LEGEND NOTES:
 1. PROVIDE ALL CONDUIT AND WIRING FROM CONTROL PANEL(S) TO ACCESS CONTROL EQUIPMENT, DEVICES.
 2. WHERE ELECTRIC STRIKES OR OTHER ARE INSTALLED ON REMOVABLE MULLS, PROVIDE QUICK-DISCONNECT TYPE PLUGS FOR ALL CONDUCTORS INSTALLED THROUGH THE MULL.
 3. CONTRACTOR SHALL COORDINATE ALL SYSTEM REQUIREMENTS WITH DOOR HARDWARE PROVIDER AND SHOP DRAWINGS PRIOR TO ROUGH-IN OF ANY CONDUIT OR EQUIPMENT.

ELECTRONIC ACCESS CONTROL SYMBOLS LEGEND

	PASSIVE INFRARED REQUEST TO EXIT DEVICE, CEILING MOUNTED, IN SPACES WITH CEILINGS HIGHER THAN 10' OR NO ACCESSIBLE CEILING, WALL MOUNT AT 10' AFF. PROVIDE WIRE GUARD WHERE SUBJECT TO DAMAGE, NOTE 1.
	REQUEST TO EXIT FURNISHED AND INSTALLED IN PANIC DOOR HARDWARE BY DIV 8, NOTE 1.
	RETRACTABLE ELECTRIC LATCH FURNISHED AND INSTALLED IN PANIC DOOR HARDWARE BY DIV 8, NOTE 1.
	LATCH BOLT MONITOR FURNISHED AND INSTALLED IN PANIC DOOR HARDWARE BY DIV 8, NOTE 1.
	POWER TRANSFER HINGE DEVICE FURNISHED AND INSTALLED IN DOOR FRAME BY DIV 8, NOTE 1.
	ACCESS CONTROL SYSTEM CONTROL PANEL, WALL MOUNT ABOVE CEILING, IN AN ACCESSIBLE LOCATION.
	ELECTRIC STRIKE WITH LATCH BOLT MONITOR FURNISHED AND INSTALLED ON DOOR FRAME OR MULLION, NOTE 1, NOTE 2.
	DOOR CONTACT FLUSH MOUNTED IN DOOR FRAME, UNLESS OTHERWISE NOTED, NOTE 1.
	REMOTE DOOR BUZZER, FLUSH MOUNTED IN DESK CONSOLE FURNISHED BY DIV 8, PROVIDE MIN 1/2" C WITH CABLING BACK TO ACCESS CONTROL HEADEND, NUMBER ADJACENT TO SYMBOL INDICATES DOOR CONTROLLED.
	CARD READER, FLUSH MOUNT IN WALL AT 46" AFF W/ CONDUIT/CABLING PER NOTE 1.
	SECURITY INTERCOM SYSTEM DOOR STATION INSTALLED IN SURFACE MOUNTED ENCLOSURE WITH CONDUIT/WIRING TO MASTER STATION.
	SECURITY INTERCOM SYSTEM MASTER STATION INSTALLED AT RECEPTION COUNTER.

OCCUPANCY SENSORS SYMBOLS LEGEND

	W _a AUTOMATIC PASSIVE INFRARED WALL SWITCH SENSOR
	W _d DIMMABLE (0-10V) PASSIVE INFRARED WALL SWITCH SENSOR
	W _t DUAL TECHNOLOGY WALL SWITCH SENSOR
	W _s SINGLE GANG, TWO BUTTON DIGITAL WALL SWITCH FOR OPERATION WITH DIGITAL LIGHTING MANAGEMENT SYSTEM
	W _s SINGLE GANG, DIGITAL FIVE BUTTON SCENE WALL SWITCH FOR OPERATION WITH DIGITAL LIGHTING MANAGEMENT SYSTEM
	W _s SINGLE GANG, DIGITAL 4 BUTTON DIMMING WALL SWITCH FOR OPERATION WITH DIGITAL LIGHTING MANAGEMENT SYSTEM
	DUAL TECHNOLOGY INFRARED/ULTRASONIC, OCCUPANCY SENSOR WITH DENSE WIDE ANGLE LENS, CEILING MOUNTED, UNLESS OTHERWISE NOTED, 'D' DENOTES TOTAL SENSOR FOR OPERATION WITH DIGITAL ROOM CONTROLLER.
	ULTRASONIC CEILING MOUNTED OCCUPANCY SENSOR, 'D' DENOTES DIGITAL SENSOR FOR OPERATION WITH DIGITAL ROOM CONTROLLER, 'S' WITHIN DENOTES SMALL AREA COVERAGE PATTERN, 'L' WITHIN DENOTES LARGE AREA COVERAGE PATTERN, 'H' WITHIN DENOTES HALLWAY COVERAGE PATTERN.
	PASSIVE INFRARED CEILING MOUNTED OCCUPANCY SENSOR, 'D' DENOTES DIGITAL SENSOR FOR OPERATION WITH DIGITAL ROOM CONTROLLER, 'R' WITHIN DENOTES REDUCED RANGE, HIGH DENSITY LENS, 'E' WITHIN DENOTES EXTENDED RANGE LENS, 'H' WITHIN DENOTES HIGH BAY SENSOR.
	PASSIVE INFRARED WALL MOUNTED OCCUPANCY SENSOR LOCATED 10' AFF, OR 6" BELOW LAY-IN CEILING.
	LIGHTING CONTROL POWER PACK OR SLAVE PACK, WITH 24V CABLING TO SENSOR DEVICES LOCATED IN SAME SPACE.
	DIGITAL LIGHTING MANAGEMENT SYSTEM ROOM CONTROLLER WITH UTP CABLING TO OTHER COMPONENTS LOCATED IN SAME SPACE, PROVIDE 1-1/4" WIRING TO EACH FUTURE AND ZONE IN THIS SPACE.
	DIGITAL LIGHTING MANAGEMENT SYSTEM DAY LIGHT SENSOR WITH UTP CABLING BACK TO ROOM CONTROLLER IN SAME SPACE.
	PHOTOCCELL CONTROL, WITH CABLING TO ROOM CONTROLLER.

ELECTRICAL SYMBOLS LEGEND
 note: all symbols do not necessarily appear on drawings.

	RACEWAY CONCEALED IN CEILING, WALL, OR BELOW FLOOR. HASH MARKS INDICATE QUANTITY OF #12 AWG CONDUCTORS. NO MARKS INDICATES 2 #12 AWG CONDUCTORS FOR 120 VOLT CIRCUITS LESS THAN 100 FEET IN LENGTH AND 277 VOLT CIRCUITS LESS THAN 200 FEET IN LENGTH. USE #10 AWG FOR 120 VOLT CIRCUITS EXCEEDING 100 FT IN LENGTH AND 277 VOLT CIRCUITS EXCEEDING 200 FT. ISOLATED GROUND 120V RECEPTACLE RACEWAYS SHALL CONTAIN TWO GREEN GROUND CONDUCTORS, (1) EQUIPMENT AND (1) ISOLATION, SIZED PER NEC. ALL OTHER RACEWAYS SHALL CONTAIN ONE EQUIPMENT GROUNDING CONDUCTOR. REFER TO PANEL SCHEDULES FOR CONDUIT AND CONDUCTOR SIZES FOR LARGER THAN 20A.
	RACEWAY EXPOSED ON STRUCTURE WITH MARKS AS ABOVE.
	RACEWAY BELOW SLAB WITH MARKS AS ABOVE.
	RACEWAY BELOW GRADE WITH MARKS AS ABOVE.
	CONDUIT TURNED UP.
	CONDUIT TURNED DOWN.
	FLEXIBLE METAL CONDUIT.
	JUNCTION BOX MOUNTED ABOVE CEILING.
	JUNCTION BOX MOUNTED IN WALL.
	20A-125V DUPLEX RECEPTACLE MOUNTED 18" A.F.F. OR AS NOTED. WP DENOTES GASKETED WEATHER PROOF CAST METAL WHILE IN USE COVER. GFI DENOTES INTEGRAL GROUND FAULTY CIRCUIT INTERRUPTER. WR DENOTES WEATHER RESISTANT. USB DENOTES DUPLEX RECEPTACLE W/ 2 USB CHARGING PORTS.
	DUPLEX RECEPTACLE MOUNTED ABOVE COUNTERTOP BACKSPLASH (COORDINATE WITH MILLWORK INSTALLER) OR 46" A.F.F. OR AT HEIGHT INDICATED. TEXT REQUIREMENTS SAME AS STANDARD DUPLEX RECEPTACLE.
	20A 125V DOUBLE DUPLEX (QUAD) RECEPTACLE WITH TEXT REQUIREMENT AS DUPLEX RECEPTACLE. USB DENOTES (2) DUPLEX RECEPTACLES W/ 2 USB CHARGING PORTS EACH.
	4-PORT (QUAD) USB CHARGING STATION MOUNTED 18" A.F.F. OR AS NOTED.
	SPECIAL RECEPTACLE MOUNTED 18" A.F.F. OR AS NOTED (NEMA TYPE AS NOTED).
	DUPLEX RECEPTACLE FLUSH MOUNTED IN SUSPENDED CEILING, UTILIZING T-GRID BOX HANGER.
	2 x 4 LIGHTING FIXTURE, TYPE AS INDICATED BY UPPER CASE LETTER DESIGNATION. USE LIGHTING FIXTURE SCHEDULE. LOWER CASE LETTER DESIGNATION TO SWITCH OR CONTROL RELAY WITH CORRESPONDING DESIGNATION. NUMBER INDICATES CIRCUIT.
	2x4 LIGHTING FIXTURE EQUIPPED WITH EMERGENCY BATTERY. FIXTURE AS INDICATED BY UPPER CASE LETTER DESIGNATION. REFER TO SECTION 1612 FOR BATTERY REQUIREMENTS. CO WITH OTHER FIXTURES IN SAME SPACE. (NO) A NIGHT LIGHT.
	SURFACE MOUNTED LIGHTING FIXTURE WITH DESIGNATIONS AS ABOVE.
	SUSPENDED LIGHTING FIXTURE WITH DESIGNATIONS AS ABOVE.
	CEILING MOUNTED LIGHTING FIXTURE WITH DESIGNATIONS AS ABOVE.
	WALL MOUNTED LIGHTING FIXTURE WITH DESIGNATIONS AS ABOVE.
	CEILING(LIGHT)/WALL(RIGHT) BATTERY PACK EMERGENCY LIGHTING FIXTURE WITH DESIGNATIONS AS ABOVE.
	UNIVERSAL MOUNT EXIT SIGN, ARROWS AS NOTED, SHADING INDICATED, AREAS.
	20A-125V/277 VAC SPST LIGHT SWITCH, '3' DENOTES DPDT SWITCH, '3' DENOTES 3-WAY SWITCH, '4' DENOTES 4-WAY SWITCH, 'M' DENOTES MOMENTARY CONTACT, 'MC' DENOTES MOMENTARY CONTACT.
	MOTOR RATE SWITCH (MAY BE USED FOR STARTER OR OVERLOADS) 1P 20A RATED 600VAC OR AS NOTED.
	DISCONNECT SWITCH (NON-TRIP UNLESS OTHERWISE INDICATED) NEMA ENCLOSURE PER ENVIRONMENT.
	FUSED DISCONNECT SWITCH, NEMA 3R ENCLOSURE, UNLESS OTHERWISE NOTED. PROVIDE TYPE RK-1 FUSES.
	MAGNETIC MOTOR STARTER FURNISHED BY DIVISION 23. INSTALLATION AND POWER WIRING BY DIVISION 26.
	HORSEPOWER RATING AS INDICATED; 'F' INDICATES HORSEPOWER RATING LESS THAN 1/2.0.
	CONTACT IN SURFACE MOUNTED ENCLOSURE MOUNTED 12" BELOW LAY-IN CEILING OR AS NOTED.
	CONTACT IN TERMINATING CONTACT N.C.
	DRY TYPE VOLTAGE TRANSFORMER.
	277 VAC PANELBOARD (LEFT) AND 208Y/120 VAC PANELBOARD.
	TELEPHONE/DATA EQUIPMENT BACKBOARD. SEE SPECIFICATIONS.
	MECHANICAL CONTROL DEVICES (SENSOR, THERMOSTAT, WALL SWITCH, INTERVAL TIMER, NIGHT SETBACK, HUMIDISTAT) TO BE INSTALLED BY DIV 23 CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE A FLUSH WALL MOUNTED SINGLE GANG OUTLET BOX WITH CONDUIT STUBBED UP 6" ABOVE TYPE 2 CEILING WITH BUSHED OPENING AT LOCATION SHOWN. WALL SWITCH SHALL BE PROVIDED AND INSTALLED BY ELECT. CONTRACTOR.
	4-TIER J-HOOK SYSTEM FOR SUPPORT OF COMMUNICATIONS AND PROTECTION CONDUCTORS ABOVE SUSPENDED CEILING. WALL SUPPORTED 4" ON CENTER UNLESS OTHERWISE NOTED. PROVIDE SUPPORT ACROSS DOOR RECESSES. SEE SPECIFICATIONS.
	(1) 1-1/2" SLEEVE, UNLESS OTHERWISE NOTED. REFER TO SLEEVE DETAILS.
	FIRE ALARM MANUAL PULL STATION.
	FIRE ALARM COMBINATION HORN/STROBE. WP DENOTES EXTERIOR 10'-0" ABOVE GRADE.
	FIRE ALARM COMBINATION SPEAKER/STROBE. WP DENOTES EXTERIOR 10'-0" ABOVE GRADE.
	CEILING MOUNTED FIRE ALARM COMBINATION SPEAKER/STROBE.
	FIRE ALARM VISUAL UNIT (STROBE ONLY). PROVIDE SUPPORT BRACKET AS SPECIFIED.
	EXTERIOR FIRE ALARM BELL MOUNTED 10' ABOVE GRADE.
	CEILING MOUNTED PHOTOELECTRIC SMOKE DETECTOR. INSTALLED ON RECESSED OUTLET BOX OUTLET BOX AND T-GRID BOX HANGER (WITH HANGER WIRE OR ROD TO STRUCTURE) BY DIVISION 26.
	WALL MOUNTED PHOTOELECTRIC SMOKE DETECTOR.
	CEILING MOUNTED HEAT DETECTOR. INSTALLED ON RECESSED OUTLET BOX OUTLET BOX AND T-GRID BOX HANGER (WITH HANGER WIRE OR ROD TO STRUCTURE) BY DIVISION 26.
	WALL MOUNTED HEAT DETECTOR.
	FIRE ALARM SYSTEM CONTROL MODULE.
	FIRE ALARM SYSTEM ISOLATION MODULE.
	FIRE ALARM SYSTEM MAIN CONTROL PANEL. SEE SPECIFICATIONS.
	FIRE ALARM SYSTEM ANNUNCIATOR PANEL. SEE SPECIFICATIONS.
	FIRE ALARM SYSTEM INTERNET & DIGITAL COMMUNICATOR. SEE SPECIFICATIONS.
	FIRE ALARM SYSTEM VOICE EVACUATION CONTROL PANEL. SEE SPECIFICATIONS.
	FIRE ALARM SYSTEM VOICE EVACUATION REMOTE MICROPHONE. SEE SPECIFICATIONS.
	FIRE ALARM SYSTEM ALARM BOX WITH FLEXIBLE CONDUIT FOR CONNECTION TO DUCT DETECTOR, SMOKE/FIRE DAMPER, TAMPER SWITCH, OR FLOW SWITCH. REFER TO SPEC. DEVICE PROVIDED BY FIRE ALARM CONTRACTOR AND INSTALLED BY DIVISION 26. POWER CONNECTION BY ELECTRICAL CONTRACTOR, FIRE ALARM CONNECTION BY FIRE ALARM CONTR.
	DOOR HOLDER/CLOSER FOR SMOKE DOOR. WALL MOUNTED UNLESS OTHERWISE NOTED.
	AUXILIARY POWER SUPPLY FOR FIRE ALARM SYSTEM.
	INTERSYSTEM BONDING BUSBAR OR TELECOMMUNICATION GROUNDING BUSBAR (TMBG/TGB).
	SYNCHRONOUS SECONDARY CLOCK; 'D' INDICATES DOUBLE DIAL; MOUNTED 18" BELOW SUSPENDED CEILING.
	FLUSH WALL MOUNTED DATA OUTLET FOR COMPUTER NETWORKING. PROVIDE 4-1/16" OUTLET BOX WITH SINGLE OR TWO-GANG MUD RING TO ACCOMMODATE FACE PLATE. ROUTE (1) 1/2" CONDUIT TO 6" ABOVE SUSPENDED CEILING AND TERMINATE WITH BUSHED OPENING. NUMBER NEXT TO OUTLET INDICATES THE QUANTITY OF HORIZONTAL UTP CABLES AND DATA JACKS INSTALLED AT OUTLET LOCATION. TEXT AP INDICATES OUTLET FOR WIRELESS ACCESS POINT TO BE LOCATED 6" ABOVE SUSPENDED CEILING.
	DATA OUTLET MOUNTED IN MULTISERVICE FLOOR BOX. PROVIDE (1) 1/2" CONDUIT ROUTED BELOW GRADE FROM BOX TO LOCAL DATA FRAME. NUMBER INDICATOR AND CABLING REQUIREMENTS AS ABOVE.
	CEILING MOUNTED DATA NETWORK OUTLET. PROVIDE T-GRID BOX HANGER FOR SUPPORT, UNLESS OTHERWISE NOTED. NUMBER/TEXT INDICATOR AND CABLING REQUIREMENTS AS ABOVE.
	FLOOR MOUNTED MAIN OR INTERMEDIATE DATA NETWORK SYSTEM FRAME WITH EQUIPMENT AS SPECIFIED.
	WALL MOUNTED MAIN OR INTERMEDIATE DATA NETWORK SYSTEM FRAME WITH EQUIPMENT AS SPECIFIED.
	ADMINISTRATIVE TELEPHONE OUTLET W/ COVER PLATE MOUNTED 18" AFF, U.O.N. PROVIDE 3/4" C TO INTERCOM.
	FLUSH WALL MOUNTED INTERCOM CALL STATION.
	FLUSH CEILING MOUNTED INTERCOM SPEAKER.
	FLUSH WALL MOUNTED INTERCOM SPEAKER. WP DENOTES EXTERIOR 10'-0" ABOVE GRADE.
	WALL MOUNTED AUDIO/VISUAL INPUT AND CONTROL OUTLET BOXES. PROVIDE (1) 4-1/16" BOX W/ (2) 1/2" CONDUITS @ 15" AFF AND (1) SINGLE GANG BOX W/ (1) 1/2" @ 49" AFF, U.O.N. STUB CONDUITS OUT OF ABOVE CEILING AND TERMINATE CONDUIT WITH BUSHED OPENINGS. REFER TO CLASSROOM AV OUTLET DETAIL.
	PROJECTOR MOUNT LOCATION. ROUTE CABLING THRU DOWN TUBE TO PROJECTOR. COORDINATE PROJECTOR LOCATION WITH OWNER PRIOR TO ROUGH-IN. REFER TO AV INSTALLATION DETAIL FOR CABLING REQUIREMENTS.
	TRANSIENT VOLTAGE SURGE SUPPRESSION DEVICES TO BE PROVIDED AT LOCATION WHERE SYMBOL IS SHOWN. PROVIDE ONE DEVICE FOR EACH FIRE ALARM, INTERCOM, AND TELEPHONE CIRCUIT TO BE ROUTED FROM ONE BUILDING TO ANOTHER. REFER TO SPECIFICATIONS AND TRANSIENT SUPPRESSION DETAIL.
	EMERGENCY LIGHTING INVERTER, WALL MOUNTED WHEN SHOWN WITH STEM, FLOOR MOUNTED OTHERWISE. TEXT ADJACENT TO SYMBOL INDICATES OUTPUT CAPACITY, IN WATTS UNLESS NOTED IN KW.

REFER TO DRAWING
 E105 - DEMOLITION PLAN
 E105 - RENOVATION PLAN

REFER TO DRAWING
 E101 - DEMOLITION PLAN
 E102 - RENOVATION LIGHTING PLAN
 E103 - RENOVATION POWER PLAN
 E104 - RENOVATION COMM & PROT. PLAN

ELECTRICAL - OVERALL FLOOR PLAN L15
 SCALE: 1" = 20'-0" E001

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 RENOVATIONS TO:
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 GORDON COUNTY BOARD OF EDUCATION
 CALHOUN, GEORGIA

REGISTERED ARCHITECT
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF GEORGIA
 No. 57857
 E. CAMPO, III

DRAWING NUMBER
E001