

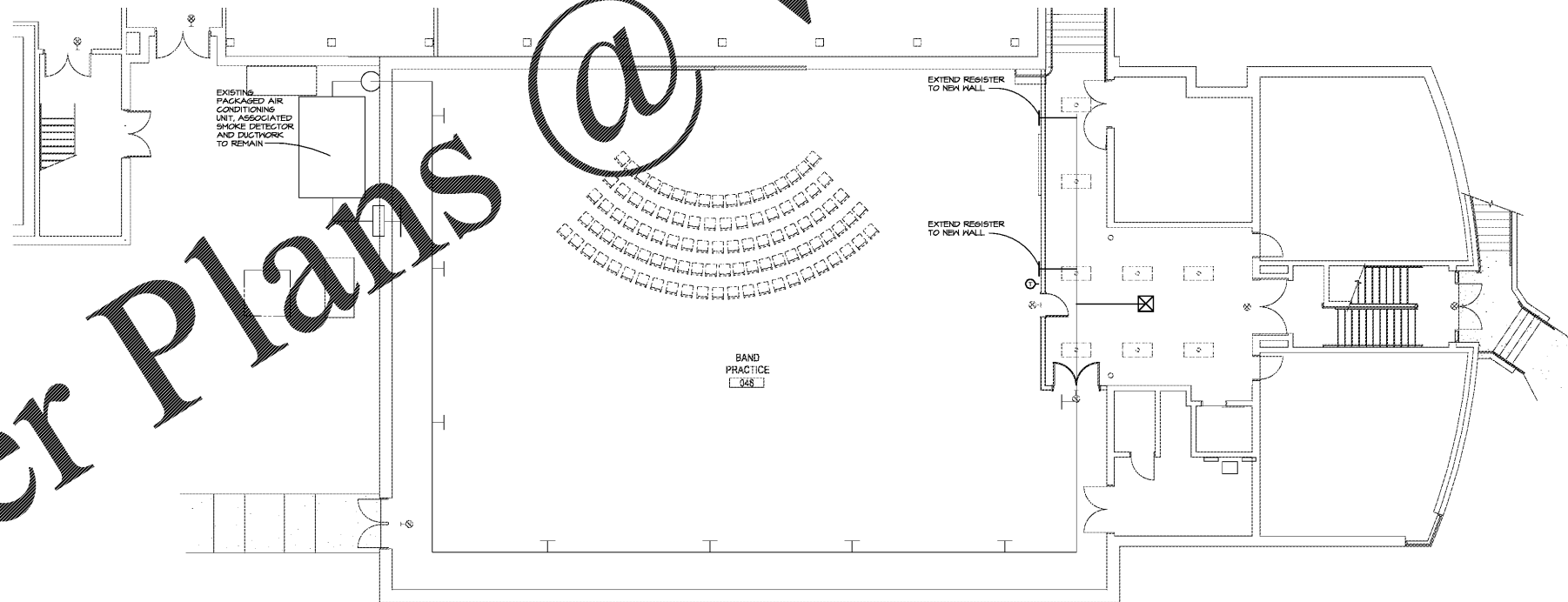
HVAC LEGEND

SYMBOL	DESCRIPTION
[Symbol]	SUPPLY DUCT
[Symbol]	RETURN OR EXHAUST DUCT
[Symbol]	RECTANGULAR DUCT UP (SUPPLY SHOWN)
[Symbol]	RECTANGULAR DUCT DOWN (SUPPLY SHOWN)
[Symbol]	RECTANGULAR DUCTWORK - 20" SIDE SHOWN x 12" SIDE NOT SHOWN
[Symbol]	DUCTWORK LINED WITH 1" FIBERGLASS DUCT LINER - INSIDE DIMENSION SHOWN
[Symbol]	EXISTING DUCTWORK TO REMAIN
[Symbol]	EXISTING DUCTWORK TO BE REMOVED
[Symbol]	MITERED ELBOW WITH DOUBLE THICKNESS TURNING VANES
[Symbol]	FULL RADIUS ELBOW
[Symbol]	FLEXIBLE CONNECTION
[Symbol]	FLEXIBLE DUCTWORK - 8" DIAMETER
[Symbol]	SPIN-IN FITTINGS WITH SCOOP AND MANUAL DAMPER
[Symbol]	SPIN-IN FITTINGS WITH SCOOP
[Symbol]	FLAT OVAL DUCTWORK - 20" SIDE SHOWN x 12" SIDE NOT SHOWN
[Symbol]	ROUND DUCT UP
[Symbol]	ROUND DUCT DOWN
[Symbol]	ACCESS PANEL (AP) OR ACCESS DOOR (AD) - ACCESS PANEL SHOWN
[Symbol]	1-1/2 HOUR FIRE DAMPER (UL 555) WITH ACCESS DOOR OR PANEL
[Symbol]	3 HOUR FIRE DAMPER (UL 555) WITH ACCESS DOOR OR PANEL
[Symbol]	S.D. SPLITTER DAMPER
[Symbol]	SMOKE DAMPER (UL 555) WITH ACCESS DOOR OR PANEL
[Symbol]	COMBINATION FIRE & SMOKE DAMPER (UL 555) WITH ACCESS DOOR OR PANEL
[Symbol]	BACK-DRAFT DAMPER WITH ACCESS DOOR OR PANEL
[Symbol]	MANUAL VOLUME DAMPER WITH ACCESS DOOR OR PANEL
[Symbol]	MOTOR OPERATED DAMPER WITH ACCESS DOOR OR PANEL
[Symbol]	DUCT MOUNTED SMOKE DETECTOR
[Symbol]	REFRIGERANT SUCTION PIPING
[Symbol]	REFRIGERANT LIQUID PIPING
[Symbol]	CONDENSATE DRAIN PIPING
[Symbol]	PIPE TURNING UP
[Symbol]	PIPE TURNING DOWN
[Symbol]	FLOOR DRAIN LOCATION FOR REFERENCE
[Symbol]	CONDENSATE P-TRAP LOCATION FOR REFERENCE
[Symbol]	DUCTLESS SPLIT SYSTEM UNIT CONTROLLER 48" AFF
[Symbol]	EMS TEMPERATURE SENSOR 48" AFF
[Symbol]	EMS SPACE HUMIDITY SENSOR 48" AFF
[Symbol]	SPACE CO ₂ SENSOR 48" AFF
[Symbol]	EMS OUTSIDE LIGHTING OVERRIDE
[Symbol]	OCCUPANCY SENSOR, SEE ELECTRICAL & EMS
[Symbol]	THERMOSTAT (PROGRAMMABLE TYPE)
[Symbol]	NIGHT THERMOSTAT
[Symbol]	INTERVAL TIMER
[Symbol]	MONITOR-STAT
[Symbol]	SLAVE-STAT
[Symbol]	IONIZATION UNIT
[Symbol]	PUSH BUTTON SWITCH
[Symbol]	MOTOR STARTER
[Symbol]	PROGRAMMABLE TIME CONTROLLER
[Symbol]	PTC
[Symbol]	AFF ABOVE FINISHED FLOOR
[Symbol]	A/C ABOVE CEILING
[Symbol]	O.A. OUTSIDE AIR
[Symbol]	R.A. RETURN AIR
[Symbol]	S.A. SUPPLY AIR
[Symbol]	NIC NOT IN CONTRACT
[Symbol]	DENOTES 1 HR FIRE BARRIER, VERIFY ON ARCHITECTURAL DRAWINGS
[Symbol]	DENOTES 2 HR FIRE BARRIER, VERIFY ON ARCHITECTURAL DRAWINGS

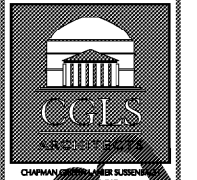
GENERAL NOTES: (DMI.10 - DMI.30)

- CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING OF ANY DISCREPANCIES OF EXISTING CONDITIONS FROM THAT SHOWN ON PLANS OR OF ANY CONDITION PROHIBITING WORK TO BE INSTALLED AS SHOWN ON PLANS BEFORE WORK IS BEGUN.
- ALL PENETRATIONS THROUGH FIRE RATED WALLS & FLOORS SHALL BE FIRE STOPPED WITH 3M FIRE BARRIER OR EQUAL PRODUCT MEETING UL 1474 OR ASTM E814 FIRE RATINGS IN ACCORDANCE WITH ARTICLE 900-21 OF THE NATIONAL ELECTRICAL CODE. SEE ARCHITECTURAL FOR DETAILS.
- ALL AREAS OF BUILDING HAVE RETURN AIR FLENUMS ABOVE CEILING. ALL MATERIALS EXPOSED WITHIN FLENUMS ARE REQUIRED TO BE NON-COMBUSTIBLE OR SHALL HAVE FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPED INDEX OF NOT MORE THAN 50 AS DETERMINED IN ACCORDANCE WITH ASTM E84.
- WHERE DUCT LINER IS INDICATED ON THE DRAWINGS THE DUCT SIZES SHOWN ON THE DRAWINGS ARE CLEAR INSIDE DIMENSIONS AFTER THE LINER IS INSTALLED. INCREASE THE SIZE OF THE METAL DUCT TO ALLOW FOR THE LINER.
- HVAC IS DESIGNED IN COMPLIANCE WITH 2004 INTERNATIONAL ENERGY CONSERVATION CODE.
- ALL EXPOSED DUCTWORK SHALL BE FREE OF DENTS AND SCRATCHES AND LEFT CLEAN, FREE OF GREASE, STICKERS AND MASTIC. EXPOSED DUCT JOINTS SHALL BE CONNECTED WITH DUCTMATE OR SPIRALMATE FLANGES WITH INTEGRAL SEALS THAT DO NOT REQUIRE MASTIC.
- IN AREAS WHERE CEILING ARE TO REMAIN, THE CONTRACTOR SHALL REMOVE EXISTING CEILING TILES, GRID AND/OR LIGHTS AS NECESSARY TO INSTALL WORK SHOWN ON THE DRAWINGS AND THEN REPLACE THEM WHEN THE WORK IS COMPLETE. ANY ITEMS BROKEN BY THE CONTRACTOR SHALL BE REPLACED WITH NEW ITEMS THAT MATCH EXISTING.
- WHERE CONTROL DEVICES ARE REMOVED & NOT REPLACED, COVER HOLE WITH STAINLESS STEEL COVER PLATE.
- REMOVE HANGERS AND STRAPS WHERE MECHANICAL EQUIPMENT AND DUCTWORK IS SHOWN TO BE REMOVED.
- SEE ARCHITECTURAL PLANS FOR WORK ON PENETRATIONS OR ROOF CURBS TO REMAIN.
- REMOVE EXISTING CONTROL WIRING NOT SHOWN TO BE REUSED.
- THE EXISTING HVAC EQUIPMENT AND DUCTWORK WAS DRAWN FROM AS-BUILT DRAWINGS. ACTUAL LOCATIONS AND SIZES MAY VARY.
- WHERE ITEMS ARE SAID TO BE REMOVED, THE CONTRACTOR IS RESPONSIBLE FOR THE DISPOSAL OF THE ITEMS IN ACCORDANCE WITH ALL LOCALS CODES, ORDINANCES AND LAWS.
- ALL DEMOLITION WORK SHALL COMPLY WITH THE REQUIREMENTS OF NFPA 704 STANDARD FOR SAFETY OF CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS, 2019 EDITION.

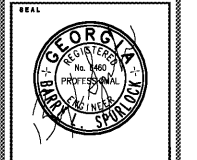
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LEVEL 100 FLOOR PLAN - HVAC
DM-1.10 1/8"=1'-0"



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DATE	NO.	DESCRIPTION
03/27/18		ISSUE PRELIMINARY SCHEDULE
06/19/18		ISSUE PRELIMINARY DESIGN DEVELOPMENT DOCUMENTS
08/17/18		ISSUE CONSTRUCTION DOCUMENTS PERMIT SET
10/10/18		FINAL ISSUE SUBMITTAL PERMIT FOR PROPOSAL

DOE FACILITY CODE: 660 -3066
RIVERWOOD HIGH SCHOOL-PHASE 3-8 AUDITORIUM / GYMNASIUM ADDITION
 5900 RAIDER DRIVE NW SANDY SPRINGS, GA 30328
 FULTON COUNTY SCHOOLS RFP NO. 411-18

SHEET TITLE	LEVELS 100 FLOOR PLAN - HVAC
PROJECT NO.	18015.02
DATE	09/17/18
DRAWN BY	RLM
CHECKED BY	BLS
SHEET NO.	DM-1.10

Order Plans