HVAC GENERAL NOTES

1. DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS AND ELEVATIONS OF ALL DUCTWORK, PIPING, LIGHTS, CONDUIT, CABLE TRAYS, ETC., PRIOR TO INSTALLATION. OFFSET DUCT WHERE REQUIRED TO AVOID INTERFERENCE. THE CONTRACTOR SHALL PROVIDE ALL SIZES, MATERIALS, AND RATINGS BEFORE ORDERING OR FABRICATION OF ANY PRODUCT OPERATING REQUIREMENTS.
2. DO NOT LOCATE VALVES, DAMPERS, ACTUATORS, CONTROL COMPONENTS, ANY EQUIPMENT WITH MOVING PARTS OR ANY EQUIPMENT REQUIRING ACCESS OR REGULAR MAINTENANCE IN INACCESSIBLE AREAS. OBTAIN PRIOR APPROVAL IF UNAVOIDABLE & PROVIDE AN ACCESS PANEL THAT WILL ALLOW SAFE AND PRACTICAL ACCESS.
3. COORDINATE MECHANICAL AND ELECTRICAL SUCH THAT PIPING, DUCTWORK OR MECHANICAL EQUIPMENT ARE NOT LOCATED OVER ANY ELECTRICAL EQUIPMENT.
4. MOUNT THERMOSTATS AND SENSORS AS INDICATED ON PLANS 60" A.F.F. "FRONT ACCESS". DO NOT MOUNT THEM ABOVE ELECTRICAL DEVICES. PROVIDE AN INSULATED SUB-BASE FOR ANY OF THEM MOUNTED ON A WALL ADJACENT TO AN UNCONDITIONED SPACE.
5. PIPING AND DUCTWORK PENETRATIONS THROUGH RATED FLOORS, WALLS AND PARTITIONS SHALL BE MADE BY AN APPROVED COMPATIBLE AND ACCEPTABLE ASSEMBLY THAT COMPLIES WITH THE 2006 EDITIONS OF THE INTERNATIONAL BUILDING CODE AND INTERNATIONAL MECHANICAL CODE, INCLUDING ERRATA.
6. PROVIDE PREFABRICATED INSULATED EQUIPMENT SUPPORT CURBS. FLASH WITH SHEET METAL AND TRIM WITH ROOFING AND SEALANT TO MATCH EXISTING ROOFING. FOR ALL PIPING PENETRATIONS PROVIDE FLASHING COLLARS AND TRIM WITH ROOFING AND SEALANT TO MATCH EXISTING ROOFING. (SEE DETAIL 7/H0-602)
7. THE CONTRACTOR SHALL VERIFY ELECTRICAL POWER AND CONTROL VOLTAGE AND PHASE FOR EACH PIECE OF EQUIPMENT PRIOR TO BID AND BEFORE ORDERING ANY ELECTRICALLY OPERATED EQUIPMENT.
8. ALL ELECTRICAL WIRING IN CEILING PLENUMS SHALL BE PLENUM RATED CABLE OR RUN IN CONDUIT.
9. PIPING, CONDUITS, CABLES, ETC. SHALL BE RUN NEATLY, AND GENERALLY PARALLEL TO BUILDING STRUCTURE.
10. ALL FLOOR, OR SLAB ON GRADE MOUNTED EQUIPMENT SHALL BE MOUNTED ON A MINIMUM OF 4" HIGH CONCRETE HOUSEKEEPING PAD(S)..
11. IF A DISCREPANCY OR CONFLICTING REQUIREMENT IS FOUND IN DIVISION1 5 CONSTRUCTION DOCUMENTS, CONTACT THE ENGINEER-OF-RECORD IMMEDIATELY. THE ORDER OF PRECEDENCE FOR DIVISION 15 IS AS FOLLOWS:

    1 CURRENT DESIGN CODES
    2 SPECIFICATIONS
    3 SCHEDULES
    4 GENERAL NOTES
    5 DETAILS
    6 FLOOR PLANS

12. ALL ROOFING WORK REQUIRED SHALL BE DONE BY DESIGNATED ROOFING CONTRACTOR IN ORDER TO MAINTAIN WARRANTY ON ROOF.
13. REFER TO ALL OTHER DRAWINGS ,SPECIFICATIONS, BASE BUILDING DRAWINGS & SPECIFICATIONS FOR WORK TO BE DONE.
14. PROVIDE ALL NECESSARY LABOR AND MATERIALS FOR A COMPLETE SYSTEM. ANY APPLIANCES OR MATERIALS OBVIOUSLY A PART OF THE SYSTEM AND NECESSARY FOR ITS PROPER OPERATION, ALTHOUGH NOT SPECIFICALLY MENTIONED HEREIN, SHALL BE PROVIDED AS IF CALLED FOR IN DETAIL.
15. WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH ALL STATE AND LOCAL CODES, AND NFPA STANDARD 90A.
16. ATTAIN AND PAY FOR ALL REQUIRED PERMITS AND FEES.
17. MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED AGAINST DEFECTS FOR ONE YEAR.
18. PROTECT ALL MATERIALS AND EQUIPMENT, STORED ON SITE, FROM DAMAGE.
19. EQUIPMENT AND MATERIALS SHALL BE NEW, UNLESS OTHERWISE SPECIFIED.
20. ALL WORK SHALL BE COORDINATED WITH ALL OTHER TRADES BEFORE ANY INSTALLATION IS MADE.
21. INSTALLATION OF ALL EQUIPMENT SHALL PERMIT ACCESSIBILITY FOR SERVICE AND/OR REPLACEMENT.
22. ELECTRICAL – DISCONNECTS AND/OR BREAKERS, POWER WIRING THRU MOTOR CONTROL DEVICES TO ALL MOTORS OR TO JUNCTION BOXES OF FACTORY WIRED EQUIPMENT ARE PROVIDED UNDER THE ELECTRICAL DIVISION OF WORK, UNLESS OTHERWISE NOTED ON THE DRAWINGS. MECHANICAL WORK SHALL INCLUDE CONTROL AND INTERLOCK WIRING REQUIRED FOR PROPER OPERATION OF THE SYSTEM, AND SHALL INCLUDE FURNISHING OF MAGNETIC STARTERS OR CONTACTORS WHERE REQUIRED, UNLESS OTHERWISE NOTED.
23. COORDINATE VOLTAGE AND PHASE OF EACH PIECE OF EQUIPMENT WITH ELECTRICAL CONTRACTOR BEFORE ORDERING.
24. COMPLETION AND TESTS SHALL INCLUDE CLEANING AND LUBRICATION OF ALL EQUIPMENT, AND ADJUSTMENTS FOR PROPER OPERATION. ADJUST DAMPERS, REGISTERS AND DIFFUSERS FOR PROPER AIR DISTRIBUTION. CHECK UNDER ACTUAL OPERATING CONDITIONS AND MAKE ADJUSTMENTS FOR A UNIFORM TEMPERATURE THROUGH THE CONDITIONED SPACE.
25. THE OWNER AND ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM HIS WORK
26. PROVIDE FIRESTOP WHERE PIPE PENETRATES RATED FLOORS AND WALLS.
27. HVAC CONTRACTOR SHALL COORDINATE ALL WALL, CEILING, FLOOR, ROOF, AND BEAM PENETRATIONS WITH ARCHITECT AND STRUCTURAL ENGINEER.
28. ALL MISCELLANEOUS STRUCTURAL SUPPORTS REQUIRED FOR HVAC EQUIPMENT INSTALLATIONS SHALL BE PROVIDED BY HVAC CONTRACTOR.
29. ALL EXPOSED EQUIPMENT (REGISTERS, UNIT HEATERS, ETC.) COLOR SHALL BE SELECTED BY ARCHITECT, UNLESS OTHERWISE NOTED.
30. ALL THERMOSTATIC CONTROLS SHALL HAVE 5 DEGREE F DEADBAND.

DUCTWORK NOTES

1. FIBERGLASS DUCT IS ONLY PERMISSIBLE TO BE USED IN THE ODOR CONTROL SYSTEM.
31. ALL DUCT DIMENSIONS ARE INSIDE CLEAR DIMENSIONS AND DO NOT INCLUDE ALLOWANCES FOR DUCT LINER THICKNESS.
32. ROUTE DUCTWORK BETWEEN BEAMS TIGHT TO BOTTOM OF STRUCTURE. PROVIDE DUCT OFFSETS OVER OR UNDER PIPING OR OBSTRUCTIONS AS REQUIRED. WHERE DUCT OFFSETS ARE REQUIRED, USE 45° SMOOTH RADIUS ELBOWS OR MITERED ELBOW WITH TURNING VANES WHERE SPACE IS RESTRICTED.
33. ALL SUPPLY DUCTS LARGER THAN 10" ON EITHER SIDE WITH RECTANGULAR ELBOWS SHALL HAVE TURNING VANES.
34. TRANSITION RECTANGULAR DUCTWORK ON THE BOTTOM AND THE SIDES. MAINTAIN DUCTWORK LEVEL AND AS HIGH AS POSSIBLE UNLESS NOTED OTHERWISE.
35. ALL DUCT TRANSITIONS FROM SQUARE TO ROUND SHALL BE SMOOTH AND GRADUAL SQUARE TO ROUND TRANSITIONS. SPIN-IN FITTINGS AT THE END OF CAPPED DUCTS ARE NOT ACCEPTABLE.
36. ALL OPEN END DUCTS SHALL BE REINFORCED WITH 1-1/2" x 1-1/2" x 1/8" GALVANIZED STEEL ANGLES BOLTED OR RIVETED 6" ON CENTER ALL AROUND THE EXTERIOR OF THE DUCT.
37. LOW PRESSURE DUCTS SHALL BE SIZED AT A MAXIMUM PRESSURE LOSS OF 0.15"/100FT OF DUCT FRICTION LOSS.
38. HVAC CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHEET METAL TRANSITIONS AT FANS, FAN-COIL UNITS AND OTHER SIMILAR HVAC EQUIPMENT.
39. PROVIDE IDENTIFICATION FOR ALL ABOVE CEILING MECHANICAL EQUIPMENT BY APPROVED LABELS ATTACHED TO THE CEILING GRID.
40. PROVIDE CONICAL FITTINGS FOR ALL ROUND DUCT TAKEOFFS FROM MAIN DUCT OR BRANCH DUCT.
41. MANUAL VOLUME DAMPERS SHALL NOT BE LOCATED IN INACCESSIBLE AREAS.
42. FLEXIBLE DUCT RUNOUTS TO DIFFUSERS OR GRILLES ARE SAME SIZE AS NECK, UNLESS OTHERWISE NOTED (UON).
43. FLEXIBLE DUCT RUNOUTS TO ALL DIFFUSERS SHALL BE INSTALLED FREE OF KINKS AND SAGS. LENGTH OF FLEXIBLE RUNOUTS TO AIR REGISTERS SHALL NOT EXCEED 7 FEET. SUPPORT FLEXIBLE DUCTS IN ACCORDANCE WITH SMACNA STANDARDS.
44. PROVIDE RETURN AIR GRILLES FOR ALL SPACES THAT ARE PROVIDED WITH SUPPLY AIR. PROVIDE AIR TRANSFER OPENINGS ABOVE CEILINGS FOR RETURN AIR FROM ALL AREAS BOUNDED BY FULL HEIGHT PARTITIONS; PROVIDE WITH FIRE DAMPER WHERE RATED WALLS REQUIRE THEM. ENSURE CONTINUOUS ADEQUATELY SIZED PATH FOR RETURN AIR TO TRAVEL, TO THE ASSOCIATED RETURN AIR DUCTS, OR SYSTEM.
45. DUCT-MOUNTED SMOKE DETECTORS ARE TO BE FURNISHED BY (DIVISION 16). THEY ARE TO BE MOUNTED UNDER (DIVISION 15) IN THE COMMON (MAIN) SUPPLY AIR DUCTS. ELECTRICAL CONTRACTOR (DIVISION 16) SHALL WIRE AND COMMISSION DETECTORS TO AUTOMATICALLY SHUT DOWN THE AIR HANDLING UNITS UPON DETECTION OF SMOKE AND ANNUNCIATE CONDITION AT FIRE ALARM PANEL.
46. PROVIDE ACCESS DOORS IN ALL PLENUMS AND DUCTS AT EACH AIR HANDLING UNIT.
47. PROVIDE ACCESS PANELS TO ANY EQUIPMENT LOCATED ABOVE NON-ACCESSIBLE CEILINGS REQUIRING ADJUSTMENT OR MAINTENANCE.
48. PROVIDE AN ACCESS DOOR IN DUCTWORK AT EACH FIRE DAMPER TO ENSURE EASY ACCESS, BY FACILITIES MAINTENANCE AND LOCAL AUTHORITY APPROVAL, FOR MAINTENANCE INSPECTION AND RESETTING. IN DUCT 10" x 10" (100 SQ. INS.) AND SMALLER PROVIDE A 12" LONG FLANGED AND GASKETTED SECTION OF DUCT ADJACENT TO THE FIRE DAMPER.
49. CONTRACTOR SHALL PROVIDE COORDINATED ACCESS PANEL IN WALL/CEILING ADJACENT TO FIRE DAMPERS TO ALLOW ACCESS TO FIRE DAMPER THRU DUCT ACCESS DOOR.
50. PROVIDE A DESCRIPTION ON EVERY ACCESS PANEL TO CLEARLY INDICATE ITS FUNCTION. DESCRIPTION SHALL BE STENCILED WITH MIN. 1/2" HIGH LETTERS.
51. ACOUSTICALLY LINE ALL TRANSFER DUCTS AND PROVIDE WITH 90° ELBOWS SIZED SAME AS DUCT.
52. REFER TO ARCHITECTURAL FLOOR PLANS AND ELEVATIONS FOR EXACT LOUVER LOCATIONS. REFER TO MECHANICAL SCHEDULE FOR SIZES.
53. THE METHOD OF FIXING THE UPPER ATTACHMENTS FOR PIPE AND DUCT SUPPORTS SHALL BE TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD.
54. PROVIDE 1" ACOUSTICAL LINING FOR ALL DUCTWORK WITHIN 10' OF THE MECHANICAL AIR HANDLING UNITS AND ENERGY RECOVERY UNITS UNLESS OTHERWISE NOTED.
55. FABRICATE AIR DUCTS IN ACCORDANCE WITH SMACNA DUCT MANUALS LATEST EDITION.
56. EXACT LOCATION OF ALL SUPPLY DIFFUSERS, RETURN AIR GRILLES, AND EXHAUST REGISTERS TO BE COORDINATED WITH LIGHTING LAYOUT AND REFLECTED CEILING. WHERE POSSIBLE THE THERMOSTAT SHALL BE LOCATED CLOSER TO THE RETURN REGISTER THAN THE SUPPLY REGISTER.
57. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH STATE CODES, MANUFACTURER'S APPROVED PUBLISHED LITERATURE, AND AUTHORITIES HAVING JURISDICTION.
58. PROVIDE DUCT FLEX CONNECTORS AT DUCT CONNECTIONS TO UNITS HOUSING ROTATING EQUIPMENT. PROVIDE U.L. LISTED HEAVY GLASS FIBER FABRIC DUCT CONNECTOR AT FAN
59. FOR ROUND DUCT TAKE-OFFS FROM SHEET METAL DUCTS, USE TAPERED SPIN-IN FITTING WITH DAMPER, DO NOT USE AIR EXTRACTORS.
60. LOCATIONS SHOWN FOR EQUIPMENT ARE APPROXIMATE LOCATIONS. CONTRACTOR SHALL COORDINATE WITH THE FIELD CONDITIONS FOR THE EXACT LOCATION AND MODIFY DUCT SYSTEM ACCORDINGLY WITHOUT ADDITIONAL COST TO THE OWNER.
61. CONTRACTOR SHALL FIELD VERIFY AVAILABLE SPACE FOR DUCTWORK BEFORE FABRICATING. CONTRACTOR SHALL MODIFY DUCTWORK TO FIT AVAILABLE FIELD CONDITIONS.
62. ALL CEILING EQUIPMENT SHALL BE INSTALLED IN SUCH A WAY THAT LIGHTS, PIPING, AND DUCTWORK DO NOT BLOCK ACCESS TO UNITS AND RELATED ACCESSORIES.
63. PROVIDE INSTRUMENTATION TEST HOLES WITH CAPS IN THE AIR DISTRIBUTION SYSTEMS WHEREVER VOLUME DAMPERS ARE SHOWN.

PIPING NOTES

1. PIPING AT COIL CONNECTIONS SHALL BE INSTALLED WITH EXPANSION JOINTS OR FLEX CONNECTORS TO ALLOW FOR VIBRATION.
2. PIPING SHALL NOT BLOCK THE SWING OR USE OF ACCESS DOORS, PANELS, SERVICING OF FILTERS OR OTHER EQUIPMENT. LOCATE UNIONS AND SHUT OFF VALVES TO ALLOW REMOVAL OF COIL OR ANY MODULE WITHOUT REQUIRING SHUT DOWN OF ANY OTHER PART OF THE SYSTEM.
3. PROVIDE A TEST PORT AT EACH TEMPERATURE AND PRESSURE SENSOR.
4. PROVIDE DRAIN WHEN COIL IS NOT SELF-VENTING.
5. DRAIN FROM COIL DRIP PAN SHALL CONNECT TO THE UNDERSIDE OF THE PAN AT THE LOWEST POINT FOR COMPLETE DRAINAGE.
6. CONDENSATE PIPING IS GRAVITY FLOW, UNLESS NOTED OTHERWISE. PROVIDE CLEANOUT AT EVERY CHANGE IN DIRECTION GREATER THAN 45 DEGREES FOR BOTH PUMPED AND GRAVITY FLOW CONDENSATE PIPING.
7. PIPE HANGERS SHALL SUPPORT PIPING INDEPENDENT OF THE COIL. FIRST SET OF HANGERS ON SUPPLY AND RETURN PIPING AT COIL SHALL BE ANTI-VIBRATION TYPE.
8. REFER TO SPECIFICATIONS AND/OR MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING PIPE HANGERS AND ATTACHMENT METHODS AND DETAILS.
9. CONTRACTOR SHALL FURNISH AND INSTALL A COMPLETE HEAT TRACING SYSTEM FOR ALL PIPING WHICH AS INDICATED TO BE ELECTRICALLY TRACED. EMPLOY THE SERVICES OF RAY CHEM – CHEMFLEX OR APPROVED EQUAL TO DESIGN THIS SYSTEM. SYSTEM SHALL PROTECT PIPING AGAINST FREEZING AND SHALL INCLUDE TRANSFORMERS, BRANCH CIRCUITS APPROPRIATELY SIZED SELF-REGULATING HEAT TRACING CABLES, THERMOSTATS, CONTACTORS, TERMINATIONS, AND ALL APPURTENANCES AS REQUIRED FOR A COMPLETE WIRING SYSTEM.
10. MATERIAL OF NEW PIPING SHALL MATCH EXISTING AT TIE-INS.

DESIGN CRITERIA

DESIGN CRITERIA:

LOCATION	ATLANTA, GEORGIA
OUTDOOR CONDITIONS	
SUMMER:	94°F DB / 74°F WB
WINTER:	10°F DB
INTERIOR	80°F DB, 50% RH SUMMER / 70°F DB WINTER (REFER TO SETPOINT
SCHEDULE	FOR SPACE SETPOINTS)
LIGHTING	1.0 W/SF NOMINAL – REFER TO LIGHTING PLANS
EQUIPMENT	PER ROOM PLANS
VENTILATION	AS REQUIRED FOR OCCUPANCY CLASS **PER ASHRAE 62-2004,IBC 2006**
TOILETS	**75 CFM/FIXTURE (PRIVATE/PUBLIC)**

TEMPERATURE SETPOINTS

SPACE DESIGNATION	HEATING			COOLING		
	OCCUPIED F°	UNOCCUPIED F°	RH%	OCCUPIED F°	UNOCCUPIED F°	RH%
ELECTRIC ROOM	50	50	50	80	80	50

HVAC LEGEND

SYMBOL	DESCRIPTION
	UNIT HEATER, UH
	AIRFLOW INDICATOR, RETURN/EXHAUST/TRANSFER
	AIRFLOW INDICATOR, SUPPLY
(S)	DUCT MOUNTED SMOKE DETECTOR
(T)	THERMOSTAT/TEMPERATURE SENSOR
(1)	KEY NOTE DESIGNATOR
	DIFFUSER, SUPPLY
	GRILLE, RETURN/EXHAUST/TRANSFER
FCD EXH	SUPPLY AIR GRILLES (DUCT SIDE AND BOTTOM)
FCD EXH	RETURN OR EXHAUST AIR GRILLES (DUCT SIDE AND BOTTOM)
24x12	NEW RECTANGULAR DUCT (24" WIDE BY 12" DEEP)
8"Ø	ROUND DUCT (8" DIAMETER)
12x12	TRANSFER DUCT ABOVE CEILING. SIZE AS NOTED. SEE MECHANICAL DETAILS
	NEW SINGLE LINE DUCT
	TRANSTION IN SINGLE LINE DUCT
	FLEXIBLE DUCT
	SECTION THROUGH RETURN/EXHAUST DUCTWORK
	SECTION THROUGH SUPPLY DUCTWORK
	DUCT ELBOW (WITH TURNING VANES)
	DUCT TEE (WITH DIVIDER AND TURNING VANES)
	MANUAL OPPOSED BLADE BALANCING DAMPER
	FIRE DAMPER - REFER TO ARCH DWGS FOR WALL RATING
RF EJ	ROOF MOUNTED EXHAUST FAN WITH ROOF OPENING
FACP	FIRE ALARM CONTROL PANEL
	SMOKE DAMPER - REFER TO ARCH DWGS FOR WALL RATING
	FIRE/SMOKE DAMPER
(M)	MOTORIZED DAMPER
	SPIN-IN WITH MANUAL BALANCING DAMPER
A 215	TYPE (SEE SCHEDULE) / CFM — DIFFUSER or GRILLE TAG:
	BALL VALVE - BLV
	BUTTERFLY VALVE - BFV
	UNION
	FLEXIBLE CONNECTION

HVAC ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	EWH	ELECTRIC WATER HEATER	PH	PHASE
AFG	ABOVE FINISHED GRADE	EXH	EXHAUST	PSI	POUNDS PER SQUARE INCH
AHU	AIR HANDLING UNIT	F	FAHRENHEIT	RA	RETURN AIR
AI	ANALOG INPUT	FCU	FAN COIL UNIT	RH	RELATIVE HUMIDITY
AO	ANALOG OUTPUT	FD	FIRE DAMPER	RPM	REVOLUTIONS PER MINUTE
AP	ACCESS PANEL	FLA	FULL LOAD AMPS	RTU	ROOFTOP UNIT
BAS	BUILDING AUTOMATION SYSTEM	FPM	FEET PER MINUTE	SA	SUPPLY AIR
BI	BINARY INPUT	HP	HORSEPOWER	SD	SMOKE DAMPER
BO	BINARY OUTPUT	HZ	HERTZ	SEER	SEASONAL ENERGY EFFICIENT RATING
BTUH	BRITISH THERMAL UNIT PER HOUR	KW	KILOWATT	SF	SUPPLY FAN
CD	CONDENSATE DRAIN	LAT	LEAVING AIR TEMPERATURE	SMK DET	SMOKE DETECTOR
CFM	CUBIC FEET PER MINUTE	LRA	LOCKED ROTOR AMPS	SP	STATIC PRESSURE
CO2	CARBON DIOXIDE SENSOR	MBH	THOUSANDS OF BTUH'S	TSP	TOTAL STATIC PRESSURE
CU	CONDENSING UNIT	MC	MECHANICAL CONTRACTOR	TYP	TYPICAL
CV	CONSTANT VOLUME	MD	MOTORIZED DAMPER	UH	UNIT HEATER
DB	DRY BULB	MIN	MINIMUM	UON	UNLESS OTHERWISE NOTED
DWG	DRAWING	MOCP	MAX OVERCURRENT PROTECTION	VFD	VARIABLE FREQUENCY DRIVE
EA	EXHAUST AIR	MVD	MANUAL VOLUME DAMPER	WB	WET BULB
EAT	ENTERING AIR TEMPERATURE	NC	NOISE CRITERIA	WC	WATER COLUMN
EC	ELECTRICAL CONTRACTOR	N.C.	NORMALLY CLOSED	WH	WATER HEATER
EDB	ENTERING DRY BULB	NTS	NOT TO SCALE	WMS	WIRE MESH SCREEN
EER	ENERGY EFFICIENT RATING	OA	OUTSIDE AIR		
EF	EXHAUST FAN	OAD	OUTSIDE AIR DAMPER		
ESP	EXTERNAL STATIC PRESSURE	O.C.	ON CENTER		
EUH	ELECTRIC UNIT HEATER	OED	OPEN ENDED DUCT		
EWB	ENTERING WET BULB	PD	PRESSURE DROP		

GEORGIA REGISTERED No. 13684 PROFESSIONAL ENGINEER RONALD D. PATE 10/29/2012

CITY OF ATLANTA
DEPARTMENT of WATERSHED MANAGEMENT

PEACHTREE CREEK SOUTH FORK RELIEF STORAGE AND PUMPING STATION

REV	DATE	REVISION DESCRIPTION
0	10/28/12	100 PERCENT BID PACKAGE

THIS LINE IS ONE INCH LONG WHEN PLOTTED FULL SCALE

THIS DRAWING MUST BE USED IN CONJUNCTION WITH THE APPLICABLE OR GOVERNING TECHNICAL SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS.

PROJECT NO: FC-6260

DATE: OCTOBER 2012

RESP PROF:	DESIGNER:	CHECKER:
RP	DC	JST

SHEET TITLE

HVAC

00 - GENERAL

NOTES & ABBREVIATIONS

SHEET NO. H0-001 REV. 0