

GENERAL NOTES:

- DRAWINGS ARE DIAGRAMMATIC IN NATURE AND MAY NOT SHOW ALL STRUCTURAL MEMBERS, ARCHITECTURAL ELEMENTS, LIGHTING LAYOUTS, OR ALL OFFSETS, FITTINGS, AND OTHER ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND ACCESSORIES REQUIRED FOR THE INSTALLATION OF A COMPLETE WORKING SYSTEM TO THE SATISFACTION OF THE OWNER.
- COORDINATE THE MECHANICAL WORK WITH THE WORK OF OTHER TRADES AND EXISTING CONDITIONS.
- COMPLY WITH ALL APPLICABLE STATE AND LOCAL BUILDING CODES AND ORDINANCES.
- CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO START OF WORK AND INFORM ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
- CONNECT NEW DUCTWORK TO AIR HANDLING UNITS OR AIR MOVING EQUIPMENT IN LOCATIONS SHOWN AND IN ACCORDANCE WITH UNIT MANUFACTURER'S INSTALLATION INSTRUCTIONS. LOCATE DUCTWORK TO INSURE ADEQUATE SERVICE CLEARANCES PER MANUFACTURER'S RECOMMENDATIONS AND IN ACCORDANCE WITH CODE REQUIREMENTS.
- INSTALL SPACE CONTROL THERMOSTATS FURNISHED WITH HVAC UNITS IN LOCATION SHOWN AND CONNECT TO HVAC UNIT CONTROLS. VERIFY THAT THERMOSTAT SELECTION IS COMPATIBLE WITH THE REQUIREMENTS OF THE HVAC UNIT CONTROLLERS. INTEGRAL THERMOSTATS SHALL BE UTILIZED WHERE NOTED AND ADJUSTED TO SETPOINTS AS REQUIRED.
- INSTALL NEW DUCTWORK AS SHOWN. ALL SHEET METAL DUCTWORK SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH CURRENT SMACNA DUCT CONSTRUCTION STANDARDS. DUCTWORK SHALL BE FABRICATED IN ACCORDANCE WITH REQUIREMENTS OF THE 1 IN. WG PRESSURE CLASSIFICATION.
- AFTER COMPLETION OF NEW MECHANICAL SYSTEMS INSTALLATION, ADJUST ALL THERMOSTATS, AIR HANDLING UNITS, ETC. TO ATTAIN THE PERFORMANCE VALUES SCHEDULED. TEST, ADJUST AND BALANCE ALL AIR OUTLET DEVICES TO CFM VALUES SHOWN WITHOUT CREATING OBJECTIONABLE NOISE OR DRAFTS. PRIOR TO FINAL PROJECT CLOSE-OUT, SUBMIT FOUR COPIES OF FINAL TEST AND BALANCE REPORT TO ARCHITECT AND ENGINEER FOR RECORD.

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MECHANICAL ABBREVIATIONS

AD	ACCESS DOOR	FLEX	FLEXIBLE	PRV	PRESSURE REDUCING VALVE
ADJ	ADJUSTABLE	FLR	FLOOR	PSIA	POUNDS PER SQ. IN. ABSOLUTE
AFF	ABOVE FINISHED FLOOR	FP	FAN POWERED	PSIG	POUNDS PER SQ. IN. GAUGE
AHU	AIR HANDLING UNIT	FSD	FIRE/SMOKE DETECTOR	RA	RETURN AIR
ARCH	ARCHITECT	FT	FEET	RAG	RETURN AIR GRILLE
BTU	BRITISH THERMAL UNIT	GAL	GALLONS	RAH	RETURN AIR REGISTER
BTUH	BRITISH THERMAL UNIT / HOUR	GPM	GALLONS PER MINUTE	RE	REFRIGERANT
CC	COOLING COIL	GR	GRILLE	RF	RELIEF FAN
CAP	CAPACITY	HD	HEAD	RH	RELATIVE HUMIDITY
CD	CONDENSATE DRAIN	HP	HORSEPOWER	RL	REFRIGERANT LIQUID
CFM	CUBIC FEET PER MINUTE	HR	HOUR	RPM	REVOLUTIONS PER MINUTE
CHW	CHILLED WATER	HWR	HOT WATER RETURN	RS	REFRIGERANT SUCTION
CHWP	CHILLED WATER PUMP	HWS	HOT WATER SUPPLY	RTU	ROOFTOP UNIT
CHR	CHILLED WATER RETURN	IHP	HEAT PUMP MOTOR UNIT	SA	SUPPLY AIR
CHS	CHILLED WATER SUPPLY	IN	INCHES	SF	SUPPLY FAN
CLG	CEILING	IRH	INFRARED HEATER	SG	SUPPLY GRILLE
CO	CLEANOUT	KEF	KITCHEN EXHAUST FAN	SP	STATIC PRESSURE (IN. W.G.)
COMP	COMPRESSOR	KSF	KITCHEN SUPPLY FAN	SQ	SQUARE
CONC	CONCRETE	KW	KILOWATT	SR	SUPPLY REGISTER
CONN	CONNECTION	LAT	LEAVING AIR TEMPERATURE	SS	STAINLESS STEEL
CONT	CONTINUATION	LS	LOADS	STRUCT	STRUCTURAL
CU	CONDENSING UNIT	LFT	LINEAR FEET	TRANS	TRANSITION
CWP	CONDENSER WATER PUMP	LWT	LEAVING WATER TEMPERATURE	T'STAT	THERMOSTAT
CWR	CONDENSER WATER RETURN	MAX	MAXIMUM	TYP	TYPICAL
CWS	CONDENSER WATER SUPPLY	MBH	1000 BTU/HOUR	UC	UNDERCUT
D	DRAIN	MIN	MINIMUM	UH	UNIT HEATER
DB	DIFFERENTIAL	MTD	MOUNTED	UNO	UNLESS NOTED OTHERWISE
DG	DOOR GABLE	N/A	NOT APPLICABLE	VAV	VARIABLE AIR VOLUME
DIAMETER		NC	NOISE CRITERIA	VB	VACUUM BREAKER
DISPOSER		N.C.	NORMALLY CLOSED	VD	VOLUME DAMPER
DN	DOWN	N.O.	NORMALLY OPEN	VEL	VELOCITY
DWG'S	DRAWINGS	NO.	NUMBER OR DESIGNATION	W	WATTS
EA	EACH	NOM	NOMINAL	W/	WITH
EAT	ENTERING AIR TEMPERATURE	NPSH	NET POSITIVE SUCTION HEAD	WB	WET BULB
EF	EXHAUST FAN	OA	OUTDOOR AIR	WC	WATER COLUMN
EG	EXHAUST GRILLE	OBD	OPPOSED BLADE DAMPER	WG	WATER GAUGE
ENG	ENGINEER	OC	ON CENTER	'F	DEGREES FAHRENHEIT
ER	EXHAUST REGISTER	OHP	HEAT PUMP OUTDOOR UNIT	%	PERCENT
ESP	EXTERNAL STATIC PRESSURE	OPNG	OPENING		
EWT	ENTERING WATER TEMPERATURE	PH, #	ELECTRICAL PHASE		
FCU	FAN COIL UNIT	PIU	POWERED INDUCTION UNIT		
FD	FIRE DAMPER				
FUR	FURNACE				

MECHANICAL LEGEND

NOTE: ALL SYMBOLS SHOWN ON LEGEND ARE NOT NECESSARILY USED

PIPING

- CWS - COOLING WATER SUPPLY
- CWR - COOLING WATER RETURN
- D - DRAIN PIPE
- CA - COMPRESSED AIR PIPE

VALVES & SPECIALTIES

- FI - FLOW INDICATOR
- SOV - SHUT-OFF VALVE
- GV - GLOBE VALVE
- CV - CHECK VALVE
- FCCV - FLOW CONTROL VALVE W/ CHECK
- PB - PLUG OR BALANCING SHUT-OFF VALVE
- DV - DRAIN VALVE W/ HOSE END
- STV - STRAINER W/ BLOW-OFF VALVE
- TCV - TEMPERATURE CONTROL VALVE, 3-WAY
- AV - AIR VENT
- PT - PRESSURE - TEMP. TAP
- PG - PRESSURE GAUGE W/ PIG TAIL & COCK
- TM - THERMOMETER
- PU - PIPE UNION

FIRE PROTECTION

- F - FIRE PIPE
- ES - EXISTING FIRE SPRINKLER
- ESR - EXISTING FIRE SPRINKLER TO BE RELOCATED
- NS - NEW FIRE SPRINKLER
- ERS - EXISTING FIRE SPRINKLER TO BE REMOVED

MISCELLANEOUS

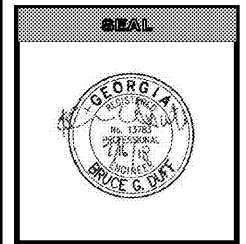
- PCN - POINT OF DUCT CONNECTION NEW TO EXISTING
- PPN - POINT OF PIPE CONNECTION NEW TO EXISTING

PLUMBING

- DCW - DOMESTIC COLD WATER
- DHW - DOMESTIC HOT WATER
- VP - PLUMBING VENT PIPE
- WP - SANITARY WASTE PIPE
- SSWP - BUILDING SANITARY SEWER PIPE
- SDWP - STORM DRAIN/ BUILDING STORM SEWER PIPE
- OSDWP - OVERFLOW STORM DRAIN PIPE
- VAC - VACUUM PIPE
- CA - COMPRESSED AIR PIPE
- HC - HORIZONTAL CLEANOUT
- VC - VERTICAL CLEANOUT

MECHANICAL LEGEND SYMBOLS:

- SUPPLY AIR GRILLES (DUCT SIDE AND BOTTOM)
- SUPPLY AIR DIFFUSER WITH FLEX DUCT AND BELLMOUTH SPIN-IN WITH MANUAL DAMPER
- RETURN OR EXHAUST AIR GRILLES (DUCT SIDE AND BOTTOM)
- RETURN AIR GRILLE (OPEN TO PLENUM)
- RETURN OR EXHAUST AIR GRILLE (SHOWN WITH DUCT)
- RECTANGULAR DUCT (SHOWS BY 12" DEPT)
- ROUND DUCT (8" DIAMETER)
- EXISTING DUCTWORK
- EXISTING EQUIPMENT
- SECTION THROUGH RETURN OR EXHAUST DUCTWORK
- SECTION THROUGH SUPPLY DUCTWORK
- DUCT ELBOW (WITH TURNING VANES)
- DUCT TEE (WITH DIVIDER AND TURNING VANES)
- AIRFLOW - SUPPLY
- AIRFLOW - RETURN, EXHAUST OR TRANSFER
- DUCT LINER (FOR SOUND ATTENUATION)
- FLEXIBLE CONNECTION
- MOTOR OPERATED DAMPER
- FIRE SUPPRESSION DAMPER
- FIRE DAMPER AND ACCESS DOOR
- MANUAL VOLUME DAMPER
- SPLITTER DAMPER
- THERMOSTAT
- DIFFUSER AND GRILLE DESIGNATION (DIFFUSER A, 200 CFM)



LOCATION

WINDWOOD HOLLOW PARK
RESTROOM ADDITION
4865 LAKESIDE DRIVE
DUNWOODY, GA 30360

SHEET TITLE

MECHANICAL LEGEND

DRAWN:	WDG	
CHECKED:	BGD	
SCALE:	AS NOTED	
DATE PRINTED	3/23/2018	
REV.	DATE	REMARKS
1	07/17/18	BLDG PLAN REVIEW
SHEET NUMBER		
M0.1		
OF	SHEETS	

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