

GENERAL NOTES

- SEE ARCHITECTURAL DRAWINGS FOR EXACT BUILDING DIMENSIONS AND DETAILS. THESE MECHANICAL DRAWINGS ARE DIAGRAMMATIC ONLY AND ARE NOT TO BE SCALED. THE CONTRACTOR SHALL VISIT THE JOB SITE BEFORE WORK BEGINS TO VERIFY ALL DIMENSIONS. NOTIFY THE COR OF ANY CONFLICTS.
- COORDINATE DUCT ROUTING AND EQUIPMENT LOCATIONS WITH PLUMBING AND ELECTRICAL INSTALLATIONS AND WITH BUILDING STRUCTURAL MEMBERS. OFFSET DUCTS AND SHIFT EQUIPMENT AS REQUIRED TO AVOID CONFLICTS.
- COORDINATE LOCATIONS OF CEILING REGISTERS AND DIFFUSERS WITH LIGHTING LAYOUT AND REFLECTED CEILING PLAN.
- DUCT SIZES INDICATED ARE CLEAR INSIDE DIMENSIONS REQUIRED.
- ALL RECTANGULAR MITER ELBOWS SHALL HAVE SINGLE THICKNESS VANES (ASHRAE FITTING CR-9) REGARDLESS IF SHOWN OR INDICATED ON DRAWINGS OR NOT.
- REFER TO ELECTRICAL DRAWINGS FOR VOLTAGE REQUIREMENTS OF ALL EQUIPMENT.
- SUPPORT ALL DUCTS, PIPING, AND EQUIPMENT FROM PRIMARY BUILDING STRUCTURAL MEMBERS. PROVIDE ADDITIONAL STRUCTURAL MEMBERS WHERE NECESSARY TO ACCOMPLISH THIS REQUIREMENT.
- SEE ARCHITECTURAL DRAWINGS FOR PHASING OF THE WORK.
- CONTROLS DEVICES AND MATERIALS ARE SHOWN WITH SYMBOLS INCLUDED ON A CONTROLS LEGEND ON SHEET M801 AND THESE SYMBOLS MAY BE USED ON PLANS AND OTHER SHEETS IN ADDITION TO THE CONTROLS DRAWINGS.
- PROVIDE MANUAL BALANCING DAMPERS AT ALL LOW PRESSURE BRANCH CONNECTIONS, AND DUCTS TO INDIVIDUAL DEVICES. DAMPERS SHALL BE PLACED AS CLOSE TO TAKE OFFS AS POSSIBLE AND STILL BE SERVICEABLE.
- CONTRACTOR SHALL NOT COMMENCE ANY DEMOLITION WORK WITHOUT WRITTEN APPROVAL FROM THE COR. WRITTEN APPROVAL WILL BE ISSUED ONLY AFTER THE COR HAS RECEIVED THE EXISTING (AS-IS) DUCT MEASUREMENT AND HYDRONIC MEASUREMENT REPORT MENTIONED IN THE FOLLOWING NOTES BELOW.
 - PRIOR TO ANY DEMOLITION, CONTRACTOR SHALL MEASURE THE EXISTING (AS-IS) AIRFLOWS AND STATIC PRESSURES AT THE FOLLOWING LOCATIONS:
 - TOTAL RA, GENERAL EA FLOW AND SP TO THE RA PLENUM AND GENERAL EXHAUST FANS ON THE ROOF.
 - TOTAL RA, GENERAL EA FLOW AND SP FROM THE 5TH FLOOR.
 - TOTAL RA, GENERAL EA FLOW AND SP FROM THE 4TH FLOOR.
 - THE ABOVE PARAMETERS TO BE USED TO DETERMINE THE REQUIRED RF AND EF CAPACITIES TO ACCOMMODATE THE REQUIREMENTS OF THE FIFTH FLOOR RENOVATION. SEE "EXISTING FAN MODIFICATION" SCHEDULE
- REFER TO "EXISTING PUMP MODIFICATION SCHEDULE" ON M801 FOR HYDRONIC MEASUREMENT REQUIREMENTS PRIOR TO DEMOLITION.
- CONTRACTOR TO SUBMIT WRITTEN REPORT ON THE MEASUREMENTS TO THE COR.
- MITERED DUCT ELBOWS TO CLEAR BEAMS SHALL HAVE SINGLE THICKNESS TURNING VANES.
- MANUFACTURER NAMES OR MODEL NUMBERS APPEARING IN THESE CONTRACT DOCUMENTS MAYBE INCLUDED FOR THE PURPOSE OF COMMUNICATING THE BASIS OF THE INTENDED DESIGN. (e.g., EQUIPMENT SCHEDULE). IN THE EVENT THAT PRODUCTS OR MATERIALS MUST BE PROVIDED BY ONE SPECIFIC MANUFACTURER, WITHOUT SUBSTITUTION, NOTES AND/OR SPECIFICATIONS REQUIRING A PRODUCT OR MATERIAL FROM ONE APPROVED SOLE - SOURCE MANUFACTURER WILL BE INCLUDED TO MAKE THIS REQUIREMENT CLEAR.

LEGEND

DEMOLITION PLANS		NEW WORK PLANS CONTINUED	
	EXISTING DUCT, PIPING OR EQUIPMENT TO BE REMOVED		N.O. NORMALLY OPEN
	EXISTING DUCT, PIPING OR EQUIP. TO REMAIN		NO. NUMBER
	NEW DUCT, PIPING OR EQUIPMENT		OPER. OPERATING
	EXISTING DUCT, PIPING OR EQUIPMENT TO REMAIN		O.A. OUTDOOR AIR
	POINT OF CONNECTION SCOPE OF WORK		% PERCENT
	DUCT SIZE: FIRST DIMENSION IS SIZE DRAWIN		LB/HR POUNDS PER HOUR
	DUCT SECTION, POSITIVE		PRESS. PRESSURE
	DUCT SECTION, NEGATIVE		P.D. PRESSURE DROP
	FLEXIBLE DUCT CONNECTION		R.A. RETURN AIR
	SQUARE ELBOW WITH TURNING VANES		NC NOISE CRITERIA
	RADIUS ELBOW WITH TURNING VANES		FD FIRE DAMPER
	CHANGE OF ELEVATION, ARROW INDICATES DIRECTION OF DROP		R.P.M. REVOLUTIONS PER MINUTE
	DUCTWORK WITH 1" ACOUSTICAL LINER		SF. SQUARE FEET
	TRANSITION		S.A. SUPPLY AIR
	MANUAL VOLUME DAMPER		TEMP. TEMPERATURE
	AUTOMATIC (MOTORIZED) VOLUME DAMPER		T.E. TOP ELEVATION
	ACCESS DOORS, VERTICAL OR HORIZONTAL		VAV VARIABLE AIR VOLUME
	DUCT MOUNTED SMOKE DETECTOR		WTD WATER TEMPERATURE
	SMOKE DETECTOR		W. WATT
	FIRE DAMPER AND SLEEVE		WT. WEIGHT
	RIGID ROUND DUCTWORK		W.P.D. WATER PRESSURE DROP
	FLEXIBLE DUCT		SP. SPRING PRESSURE
	DUCT SIZE: FIRST DIMENSION IS HORIZONTAL		SD. SMOKE DAMPERS
	SINGLE LINE DUCTWORK WITH TRANSITION		A.F. AIR FLOW
	DUCT END CAP		TM. THERMOMETER
	MANUAL VOLUME DAMPER		W.M.T.S. WALL MOUNTED TEMPERATURE SENSOR
	SQUARE TO ROUND TRANSITION		C.W.R. CHILLED WATER RETURN / CHILLED WATER SUPPLY
	GRILLE DESIGNATION		DRAIN
	SIDEWALL DIFFUSER		H.W.R. HOT WATER RETURN / HOT WATER SUPPLY
	CEILING SUPPLY DIFFUSER		DROPPING OR RISING PIPE
	CEILING RETURN GRILLE OR REGISTER		P.S. PIPE SLEEVE THROUGH WALL
	CEILING EXHAUST GRILLE OR REGISTER		C.P.R. CONCENTRIC PIPE REDUCER
	DIFFUSER/GRILLE DESIGNATION		E.C.P.R. ECCENTRIC PIPE REDUCER
	AFF. ABOVE FINISHED FLOOR		P.P.A. PITCH OF PIPE ARROW SHOWS DIRECTION OF DROP
	CAP. CAPACITY		E.L. EXPANSION LOOP
	CLG. COOLING		B.C.F. BOTTOM CONNECTION FITTING
	C.F.M. CUBIC FEET PER MINUTE		T.C.F. TOP CONNECTION FITTING
	dB. DECIBEL		E.T.U. ELBOW TURNED UP
	F. DEGREES FAHRENHEIT		E.T.D. ELBOW TURNED DOWN
	db/wb. DRY BULB WET BULB		G.V. GATE VALVE
	EFF. EFFICIENCY		G.A.V. GATE ANGLE VALVE
	E.A.T. ENTERING AIR TEMP		G.V. GLOBE VALVE
	E.W.T. ENTERING WATER TEMP		G.A.V. GLOBE ANGLE VALVE
	E.A. EXHAUST AIR		B.V. BALL VALVE
	E.S.P. EXTERNAL STATIC PRESSURE		B.V. BUTTERFLY VALVE
	FT. FEET		P.V. PLUG VALVE
	F.P.M. FEET PER MINUTE		C.S.G.V. CHECK SWING GATE VALVE
	GAL. GALLONS		B.V. BALANCING VALVE
	G.P.M. GALLONS PER MINUTE		R.V. RELIEF VALVE
	HP. HORSEPOWER		AAV. AUTOMATIC AIR VENT
	HTG. HEATING		MAV. MANUAL AIR VENT
	IN. INCHES		S. STRAINER
	I.N. W.G. / FT. W.G. INCHES WATER GAUGE / FEET WATER GAUGE		2.W.C.V. 2 WAY CONTROL VALVE
	KW. KILOWATTS		3.W.C.V. 3- WAY CONTROL VALVE
	MNFR. MANUFACTURER		E.M.V.A. ELECTRIC MOTOR VALVE ACTUATOR
	MAX. MAXIMUM		S.U. SCREWED UNION
	MBH. BTUH x 1000		F.C. FLANGED CONNECTION
	MIN. MINIMUM		V.F. VENTURI FLOWMETER
	MIN. EFF. MINIMUM EFFICIENCY		P.G. PRESSURE GAUGE AND COCK
	N.C. NORMALLY CLOSED		G.C. GAUGE COCK
			TM. THERMOMETER
			P.T.P. PRESSURE/TEMPERATURE PLUG

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Revisions:	Date:	CONSULTANT	ARCHITECT/ENGINEER OF RECORD	STAMP	Office of Construction and Facilities Management	Drawing Title	Phase	Project Title	Project Number
		CLARKNEXSEN	TOLAND MIZELL MOLNAR	GEORGIA REGISTERED PROFESSIONAL ENGINEER MADE A. WILLIAMS	VA U.S. Department of Veterans Affairs	LEGEND AND GENERAL NOTES	FINAL SUBMITTAL	RENOVATE GERIATRIC-MED-PSYCH INPATIENT 5TH FLOOR	508-17-101
		440 Martin Luther King Jr. Blvd Macon, GA 31201 478.743.8415 Fax: 478.743.8239 www.clarknexsen.com	590 MEANS STREET NW STE. 200 ATLANTA, GA 30318			Approved: Project Director	FULLY SPRINKLERED	Atlanta VA Medical Center - Atlanta, Ga.	Building Number Bldg C: Main Tower
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