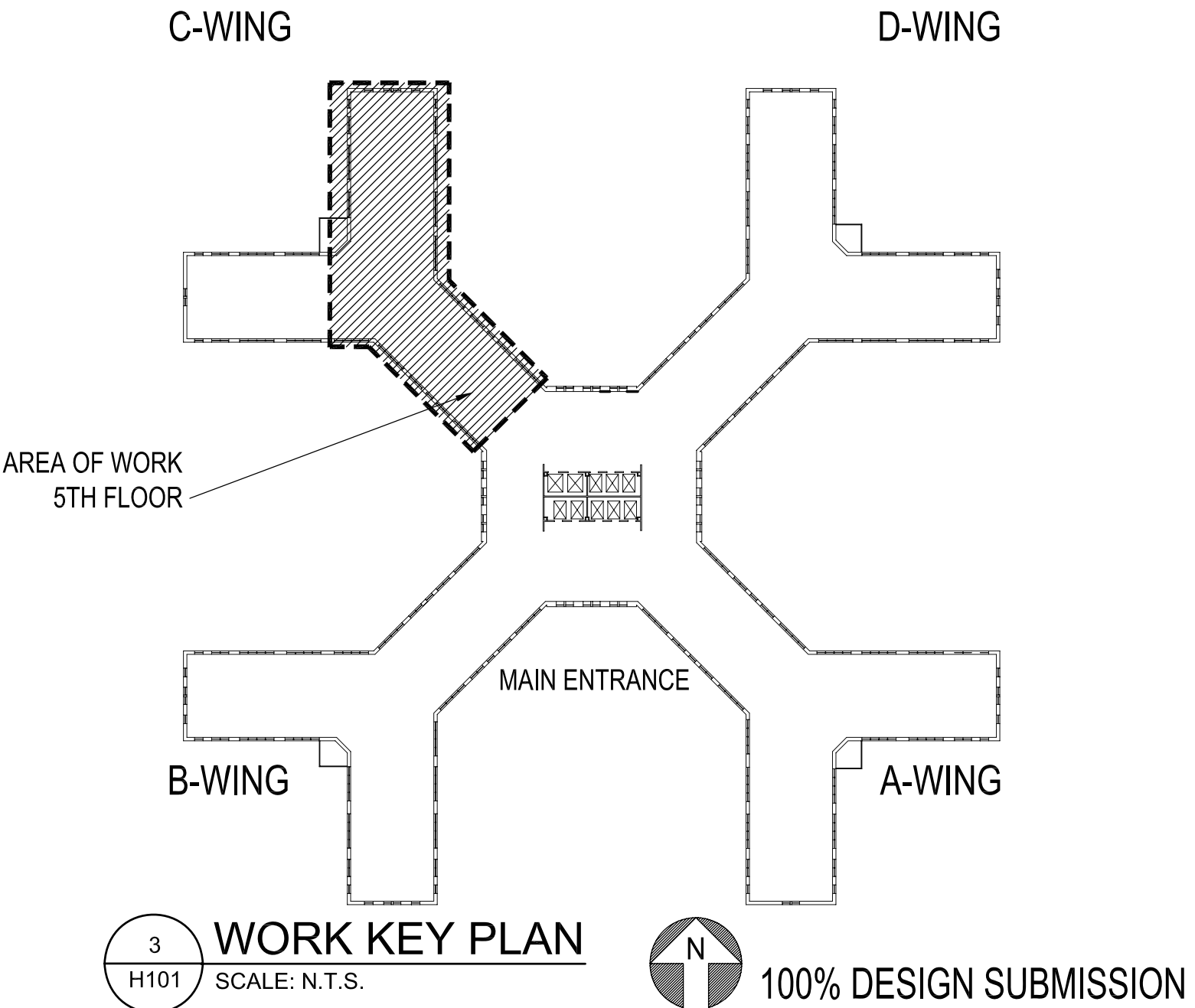


- GENERAL NOTES:**
- THE CONTRACTOR SHALL REBALANCE THE EXISTING VARIABLE AIR VOLUME AIR HANDLING UNIT AC-1 AND ITS ASSOCIATED RETURN AIR FAN RF-1. THE TOTAL AIR VOLUME FOR AC-1 AND RF-1 SHALL BE REBALANCED TO 6,340 TOTAL CFM. THE OUTSIDE AIR AND ASSOCIATED OUTSIDE AIR DAMPER UNDER NORMAL, NON-ECONOMIZER AIR HANDLING UNIT OPERATION SHALL BE REBALANCED TO 1,600 CFM. THE RETURN AIR DAMPER UNDER NORMAL, NON-ECONOMIZER OPERATION SHALL BE REBALANCED TO 4,755 CFM AND THE RELIEF AIR DAMPER UNDER NORMAL, NON-ECONOMIZER OPERATION SHALL BE REBALANCED TO 1,600 CFM. THE CONTRACTOR SHALL UTILIZE THE EXISTING VARIABLE FREQUENCY DRIVES CONNECTED TO AC-1 AND RF-1 AS REQUIRED TO REBALANCE THE SYSTEM.
 - THE CONTRACTOR SHALL REBALANCE EACH EXISTING VARIABLE AIR VOLUME TERMINAL UNIT CONNECTED TO EXISTING VARIABLE AIR VOLUME AIR HANDLING UNIT AC-1 TO THE MAXIMUM AND MINIMUM AIRFLOW VALUES LISTED.
 - THE CONTRACTOR SHALL BALANCE EACH SA DIFFUSER TO THE TOTAL AIRFLOW AMOUNT SHOWN. EACH SA DIFFUSER IS CONNECTED TO A VAV TERMINAL UNIT AND EACH VAV TERMINAL UNIT IS CONNECTED TO THE EXISTING VARIABLE SPEED DRIVEN VAV AIR HANDLING UNIT AC-1 LOCATED IN THE C-WING MECHANICAL ROOM AS SHOWN. MODIFY THE SPEED OUTPUT OF AC-1 AS REQUIRED TO BALANCE THE SA DIFFUSERS TO ACHIEVE THE REQUIRED AIRFLOW AMOUNTS.
 - THE CONTRACTOR SHALL BALANCE EACH RA REGISTER TO THE AIRFLOW AMOUNT SHOWN. EACH RA REGISTER IS CONNECTED TO THE VARIABLE SPEED DRIVEN RETURN AIR FAN RF-1 LOCATED IN THE C-WING MECHANICAL ROOM AS SHOWN. MODIFY THE SPEED OUTPUT OF RF-1 AS REQUIRED TO BALANCE THE RA REGISTERS.
 - THE CONTRACTOR SHALL VACUUM CLEAN THE EXISTING HOT WATER REHEAT COILS OF EACH VAV BOX.
 - THE CONTRACTOR SHALL REMOVE AND REINSTALL THE EXISTING CEILING SYSTEM AS REQUIRED FOR THE BALANCING WORK LISTED IN GENERAL NOTES 1 THROUGH 5.
- KEYED NOTES:**
- THE CONTRACTOR SHALL REBALANCE THE EXISTING EXHAUST AIR REGISTERS TO THE AIRFLOW AMOUNTS SHOWN UTILIZING THE REGISTERS EXISTING VOLUME DAMPERS AS REQUIRED.
 - THE CONTRACTOR SHALL REBALANCE THE CHILLED WATER FLOW CONNECTED TO AIR HANDLING UNIT AC-1'S CHILLED WATER COIL TO 42 GPM UTILIZING THE COIL'S EXISTING BALANCING VALVE LOCATED IN THE CHILLED WATER RETURN LINE CONNECTED TO THE COIL AND TWO-WAY CONTROL VALVE LOCATED IN THE CHILLED WATER SUPPLY LINE CONNECTED TO THE COIL AS REQUIRED.
 - DISCONNECT AND REMOVE THE EXISTING SUPPLY DUCTWORK AT THE OUTLET OF THE EXISTING AIR HANDLING UNIT AC-1 TO THE POINT OF CONNECTION TO THE EXISTING 14"x48" SUPPLY DUCTWORK PENETRATING THE MECHANICAL ROOM WALL.
 - DISCONNECT AND REMOVE THE EXISTING 49" WIDE x 49" HIGH x 20" LONG FILTER HOUSING AT LOCATION SHOWN.
 - CONNECT TO THE EXISTING AIR HANDLING UNIT AC-1 SUPPLY OUTLET AT LOCATION SHOWN AND PROVIDE A TRANSITION TO THE 48" WIDE x 36" HIGH x 6" FILTER HOUSING FH-1 AS REQUIRED. REINSULATE THE SUPPLY DUCTWORK PER SPECIFICATION SECTION 230711.
 - TRANSITION FROM THE OUTLET OF THE FILTER HOUSING FH-1 TO THE EXISTING 14"x48" HORIZONTAL SUPPLY AIR DUCTWORK AT LOCATION SHOWN. REINSULATE THE SUPPLY DUCTWORK PER SPECIFICATION SECTION 230711.
 - PROVIDE 48" WIDE x 36" HIGH x 6" LONG FILTER HOUSING FH-1 AT LOCATION SHOWN. THE HOUSING SHALL BE CONSTRUCTED OF TYPE 304 STAINLESS STEEL AND BE CAPABLE OF HOUSING FOUR (4) 24" WIDE x 18" HIGH x 4" DEEP MERV-14, EXTENDED SURFACE FILTERS, WITH THE FILTERS SET UP IN TWO ROWS, WITH EACH ROW HOLDING TWO FILTERS. THE FILTER HOUSING ENCLOSING FRAME SHALL BE DOUBLE-WALL WATER-RESISTANT BEVERAGE BOARD SEALED BETWEEN THE WALLS AND TO THE FILTERS WITH ADHESIVE. THE FILTER HOUSING SHALL BE ARRANGED WITH A SIDE ACCESS DOOR OPENING TO THE EAST OF THE HOUSING TO ALLOW FILTER REMOVAL AND REPLACEMENT.
 - REFER TO DRAWING 2/H101 AND 3/H101 FOR FILTER HOUSING REMOVAL AND INSTALLATION WORK IN THIS AREA INCLUDING ASSOCIATED SUPPLY DUCTWORK REMOVAL AND INSTALLATION WORK.
 - DISCONNECT AND REMOVE EXISTING INLINE RETURN FAN RF-1 AND ASSOCIATED FAN INLET AND OUTLET TRANSITIONS AS REQUIRED. PROVIDE NEW INLINE RETURN FAN RF-1 AT LOCATION SHOWN. PROVIDE NEW INLET AND OUTLET DUCTWORK TRANSITIONS FROM EXISTING RETURN AIR DUCTWORK MAIN AS REQUIRED. INSULATE ALL NEW RETURN AIR DUCTWORK DOWNSTREAM OF THE RF-1 FAN CONNECTION WITH 1" THICK BOARD INSULATION WITH ALL SERVICE JACKET.



		CONSULTANTS:		ARCHITECT/ENGINEERS:	Drawing Title				Project Title		Project Number		STRATTON VA MEDICAL CENTER
					HVAC AIR BALANCING PLAN				VISION CLINIC RENOVATIONS		528A8-08-830		
					<div>SAGE ENGINEERING ASSOCIATES, LLP</div> <div>1211 WESTERN AVENUE ALBANY, NY 12203</div> <div>(518)453-6091 FAX(518)453-6092</div> <div></div> <div>SEA PROJECT NO. 2217</div>				Building Number		1		
									Drawing Number		H101		
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