- 1. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. IT IS NOT INTENDED TO SPECIFY OR SHOW EVERY OFFSET, FITTING OR COMPONENT; HOWEVER, CONTRACT DOCUMENTS REQUIRE COMPONENTS AND MATERIALS WHETHER OR NOT INDICATED OR SPECIFICALLY SPECIFIED TO MAKE THE SYSTEMS BEING INSTALLED COMPLETE, CODE COMPLIANT, TESTED AND OPERATIONAL.
- 2. CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, DIMENSIONS AND ELEVATIONS PRIOR TO CONSTRUCTION.
- 3. ALL MATERIALS, EQUIPMENT, METHODS OF INSTALLATION, REMOVALS AND DISPOSAL SHALL BE IN ACCORDANCE WITH THE STANDARDS, REGULATIONS, CODES, ORDINANCES, AND LAWS OF LOCAL, STATE, AND FEDERAL GOVERNMENTS, AND OTHER AUTHORITIES THAT HAVE LAWFUL JURISDICTION.
- PERFORM WORK, PROVIDE MATERIALS AND EQUIPMENT FOR SYSTEMS SHOWN, SPECIFIED AND DESCRIBED ON DRAWINGS. COMPLETELY COORDINATE ALL TRADES OF THIS CONTRACT AND PROVIDE COMPLETE AND FULLY FUNCTIONAL INSTALLATION. ALL WORK IN THIS SET TO BE COMPLETED UNDER THIS CONTRACT, UNLESS OTHERWISE INDICATED.
- 5. PROTECT ALL EXISTING AND NEW BUILDING ELEMENTS (INSTALLED BY OTHER CONTRACTS) FROM DAMAGE. CONTRACTOR SHALL RESTORE ALL DAMAGED ELEMENTS TO ORIGINAL OR BETTER CONDITION.
- 6. WORK SHALL BE EXECUTED IN A WORKMANLIKE MANNER AND SHALL PRESENT NEAT, RECTILINEAR APPEARANCE WHEN COMPLETED. MAINTAIN MAXIMUM HEAD ROOM AT ALL TIMES. DO NOT RUN PIPES, DUCTS, AND CONDUIT EXPOSED UNLESS SHOWN AND NOTED TO BE EXPOSED ON DRAWINGS.
- 7. MATERIALS AND EQUIPMENT SHALL BE NEW AND INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. MAINTAIN MANUFACTURER'S EQUIPMENT CLEARANCES.
- 8. CONTRACTOR IS RESPONSIBLE FOR ALL WORK RELATED TO ISOLATING, SHUTTING DOWN, DRAINING, FILLING AND TESTING SYSTEMS TO ALLOW FOR COMPLETION OF WORK. INTERRUPTIONS TO EXISTING SERVICES AND SYSTEMS SHALL BE AS SHORT AS POSSIBLE AND AT A TIME AND DURATION APPROVED BY THE OWNER AND UTILITY AS APPLICABLE. INCLUDE ALL PREMIUM TIME ASSOCIATED WITH INTERRUPTIONS. ALL SYSTEM INTERRUPTIONS SHALL BE SCHEDULED WITH OWNER, UTILITY AND COORDINATED WITH OTHER TRADE WORK.
- 9. ALL EQUIPMENT PIPING, WIRING, INSULATION ETC. INSTALLED IN HVAC AIR PLENUM SPACES SHALL MEET CODE REQUIREMENTS FOR SMOKE AND COMBUSTIBILITY.
- 10. SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS, PARTITIONS AND FLOORS WITH UL RATED MATERIALS/METHODS EQUIVALENT TO FIRE RATING OF ASSEMBLY.
- 11. COORDINATE ALL WALL/FOUNDATION PENETRATIONS WITH GENERAL CONTRACT AND SEAL WEATHERTIGHT. PROVIDE STAINLESS STEEL ESCUTCHEON PLATE/TRIM RING FOR EACH ABOVE GRADE PENETRATION (BOTH SIDES).
- 12. PROVIDE PROPER ACCESS TO EQUIPMENT THAT REQUIRES INSPECTION, REPLACEMENT OR REPAIR. ACCESS PANELS/DOORS SHALL BE A MINIMUM OF 12"x12", UNLESS OTHERWISE NOTED.
- 13. DO NOT SUPPORT EQUIPMENT FROM SUSPENDED CEILINGS. ALL SUPPORT SHALL BE FROM BUILDING STRUCTURE OR FROM CEILING SUSPENSION SYSTEM WHICH HAS BEEN REINFORCED. SUPPORTS SHALL BE SELECTED AND INSTALLED TO PROVIDE A VIBRATION FREE INSTALLATION.
- 14. CLEANING DURING MECHANICAL WORK: THE MECHANICAL ROOM AND ROOMS WHERE WORK WILL BE DONE TO MINIMIZE DISTURBANCE IN THE BUILDINGS. WORKERS ARE TO USE PATHWAYS AND FACILITIES AGREED UPON WITH THE DISTRICT DESIGNEE IN WRITING. THE AREA OUTSIDE THE BUILDING WHERE CUTTING WELDING OR STORAGE IS ALLOWED IS TO BE FENCED AT ALL TIMES. THE CONTRACTOR WILL ON A DAILY BASIS CLEAN THE GROUNDS AND THE BUILDING OF ANY DEBRIS OR GARBAGE GENERATED BY THEIR WORK.

		<u>ME</u>	CHANICAL SYMBOLS		
T	 THERMOSTAT — ARROW INDICATES DEVICE/ZONE CONTROL 	\	 NEW PIPING, DUCTWORK, AND EQUIPMENT 	\leftarrow	- PIPE ELBOW UP
F	- FREEZESTAT	\	 EXISTING TO REMAIN PIPING, DUCTWORK, AND EQUIPMENT 	\leftarrow	- GAUGE WITH BALL VALVE
P	- STATIC PRESSURE SENSOR	//////	 PIPING, DUCTWORK, AND EQUIPMENT FOR REMOVAL 	, □ AV	- AUTOMATIC AIR VENT
T	 TEMPERATURE SENSOR W/CONTROL WIRING AND 1/2" CONDUIT WITH CLEAR PLASTIC GUARD(LOCKABLE) 	├──	- BALL VALVE	<u></u> ← ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑	- MANUAL AIR VENT
(H)	WITH CLEAR PLASTIC GUARD(LOCKABLE) — HUMIDITY SENSOR	$\longleftarrow \Box \longrightarrow$	- CIRCUIT SETTER	<u> </u>	- PIPE CAP
⟨F⟩	- FLOW SENSOR	├	- CHECK VALVE	\longleftrightarrow	– PIPE BREAK
DSD	- DUCT SMOKE DETECTOR	$\leftarrow \overline{\mathbb{A}}$	- CONTROL VALVE - 2 WAY	→	- PIPE FLOW ARROW
		$\longleftarrow \underline{\underline{\Sigma}} \longrightarrow$	- DRAIN VALVE WITH HOSE BIB		
VFD	 VARIABLE FREQUENCY DRIVE 	}	- UNION	#	- REVISION NOTE
Ø	- ROUND DUCTWORK	} 	- STRAINER WITH BLOWDOWN	(#)	- KEYED NOTE
	- 4- WAY CEILING SUPPLY DIFFUSER	$\longleftarrow \longrightarrow$	- REDUCER OR INCREASER	$lackbox{}{lackbox{}{lackbox{}{\bullet}}}$	- POINT OF NEW CONNECTI
	- CEILING EXHAUST/RETURN REGISTER	$\longleftarrow \stackrel{\uparrow}{\ominus} \longrightarrow$	- BRANCH FROM BOTTOM OF PIPE		- LIMIT OF REMOVAL
- √ -	- FLOW ARROW	$\longleftarrow \widetilde{\mathbb{J}} \longrightarrow$	- BRANCH FROM TOP OF PIPE	CD-1	
⊢—Ш ——	- CIRCUIT SETTER	├	- PIPE ELBOW DN	200 CFM	- DIFFUSER/GRILLE LABEL
				BDD	- BACK DRAFT DAMPER
SINGLE LINE		DOUBLE LINE	SINGLE LINE		DOUBLE LINE
	- MANUAL VOLUME DAMPER	+		I/EXHAUST AIR GULAR ELBOW DN	
AAD ┏y		AAD Qy			
\ 	 AUTOMATIC AIR DAMPER INTERLOCKED WITH EQUIPMENT 	*	← ROUND	ELBOW UP	
	INTERCOORED WITH EQUILMENT				,
DSD	- DUCT SMOKE DETECTOR	DSD	→ ROUND	ELBOW DN	
		<u> </u>			
, i ii ,	ELEVIELE CONNECTION)	NED TRANSPION	
	- FLEXIBLE CONNECTION		— CENTER	RED TRANSITION	
_					
——	 SUPPLY/OUTSIDE AIR RECTANGULAR ELBOW UP 	†	→ OFFSET	TRANSITION	+
\vdash	 SUPPLY/OUTSIDE AIR RECTANGULAR ELBOW DN 	4	- SQUARI	E TO ROUND TRANSITION	+
——	 RETURN/EXHAUST AIR RECTANGULAR ELBOW UP 	-	- RADIUS	ELBOW	*
~	THE PARTY OF THE PARTY OF		Ţ		,
	- 45° DEGREE LEADING EDGE	<u></u>	← MITEREI	D ELBOW WITH TURNING	
	BRANCH TAKEOFF]	\(\text{VANES}	D LLDOW WITH TOTALING	1 ,

DAMAGE NOTES:

1. THE SCOPE OF REMOVAL SHOWN ON "REMOVALS" DRAWING IS DIAGRAMMATIC ONLY AND INDICATES THE INTENT OF THE WORK TO BE PERFORMED AND NOT THE COMPLETE SCOPE OF DEMOLITION AND/OR REMOVAL WORK. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE OR RELOCATE ANY RELATED MECHANICAL DEVICES/ITEMS EVEN IF NOT SPECIFICALLY INDICATED TO BE REMOVED ON THESE DRAWINGS IN ORDER TO ACCOMODATE NEW WORK.

HVAC REMOVAL NOTES:

- 2. EQUIPMENT/ITEMS SHOWN CROSS HATCHED ON DRAWINGS ARE ITEMS TO BE REMOVED. ANY DEVICES/ITEMS REMOVED SHALL INCLUDE (BUT SHALL NOT BE LIMITED TO) THE REMOVAL OF ALL ASSOCIATED PIPING, CONTROLS, ETC. THAT ARE NOT INCORPORATED IN THE NEW LAYOUT. THE CONTRACTOR SHALL PERFORM ALL WORK REQUIRED TO INSURE CONTINUITY OF SERVICE TO EXISTING REMAINING EQUIPMENT. NO EXTRAS RELATING TO THE SCOPE OF WORK DESCRIBED WILL BE
- 3. EQUIPMENT, PIPING, ETC. REQUIRED TO RECONNECT SHALL BE INSTALLED CONCEALED WITHIN THE SUSPENDED CEILINGS, PARTITIONS AND/OR WALLS, FLOORS. NO SURFACE MOUNTED OR EXPOSED EQUIPMENT, PIPING, ETC., SHALL BE PERMITTED, UNLESS SPECIFICALLY INDICATED.
- 4. ALL ITEMS TO BE REMOVED SHALL BE REVIEWED WITH THE OWNER PRIOR TO REMOVAL. OWNER SHALL HAVE FIRST SALVAGE RIGHTS. ITEMS THE OWNER WISHES TO KEEP SHALL BE REMOVED WITH CARE AND STORED AS DIRECTED BY OWNER. ITEMS THE OWNER DOES NOT WISH TO KEEP SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.

1. CONTRACTORS NOT TO REMOVE OR DISTURB ANY PORTION OF EXISTING FIRE PROTECTION SPRINKLER SYSTEM THAT IS NOT CALLED OUT FOR REMOVAL OR NEW WORK. ALL CONTRACTORS' WORK CONDUCTED AMIDST EXISTING TO REMAIN PORTIONS OF SYSTEM SHALL FIT AND REUSE EXISTING FIRE PROTECTION SYSTEM COMPONENTS LEFT IN PLACE UNLESS OTHERWISE SPECIFIED. CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF DISTURBED

FP100 — FP107 FOR GENERAL SYSTEM INFORMATION (FOR REFERENCE ONLY).

2. CONTRACTORS NOT TO DAMAGE EXISTING WALLS THAT ARE TO REMAIN. THIS INCLUDES WALLS WHERE ONLY A PORTION OR SIDE OF THE WALL IS TO REMAIN AND THE OTHER SIDE IS TO BE MODIFIED OR REPLACED. CONTRACTOR IS RESPONSIBLE FOR

DAMAGE TO ANY PORTION OF WALLS THAT ARE EXISTING TO

REMAIN, EVEN IF NOT SPECIFICALLY MARKED AS SUCH.

OR DAMAGED FIRE PROTECTION SYSTEM COMPONENTS. REFER TO

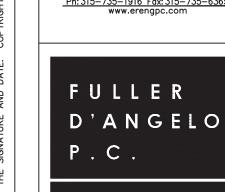
HVAC ABBREVIATIONS AUTOMATIC AIR DAMPER AIR COOLED CONDENSING UNIT ACCESS DOOR AIR HANDLING UNIT AMPERAGE BDD BACKDRAFT DAMPER BRAKE HORSEPOWER BUILDING MANAGEMENT SYSTEM BRITISH THERMAL UNIT CUBIC FEET PER MINUTE CABINET HEATER CLG CEILING CONDENSATE DB DRYBULB TEMPERATURE DDC DIRECT DIGITAL CONTROL (SYSTEM) DEG DEGREE DIA DIAMETER DN DOWN DEWPOINT TEMPERATURE DIRECT EXPANSION EΑ EXHAUST AIR ENTERING AIR TEMPERATURE EXHAUST FAN EFF **EFFICIENCY** EXHAUST GRILLE ESP EXTERNAL STATIC PRESSURE EXH EXHAUST FAHRENHEIT FIRE DAMPER FINAL FILTER FLR FLOOR FPM FEET PER MINUTE FREEZESTAT FT FEET FT HD FEET OF HEAD FT WG FEET OF WATER GAUGE FACE VELOCITY GAS GAL GALLON GALLONS PER MINUTE GPM HEAD HP HORSEPOWER LOUVER MAT MIXED AIR TEMPERATURE MAU MAKE-UP AIR UNIT MBH 1,000 BTU/HR MINIMUM BRANCH CIRCUIT AMPACITY MOTORIZED DAMPER OUTSIDE AIR OUTSIDE AIR INTAKE PRESSURE DROP REMOVE RETURN AIR REFRIGERANT LIQUID RPM REVOLUTIONS PER MINUTE REFRIGERANT SUCTION SATISFACTORY SUPPLY AIR TEMPERATURE SEN SENSIBLE HEAT SPECIFIC GRAVITY STATIC PRESSURE TAB TESTING, ADJUSTING, BALANCE TSTAT THERMOSTAT TYPICAL UC UNDER CUT VD VOLUME DAMPER WB WETBULB WATER GAUGE TEMPERATURE DIFFERENCE

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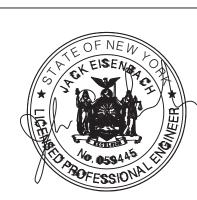
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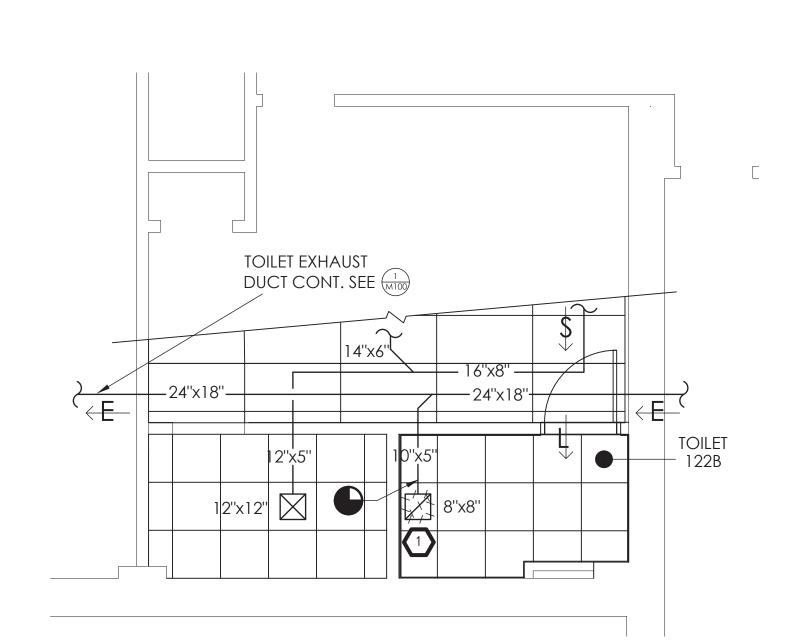
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AND SYMBOLS

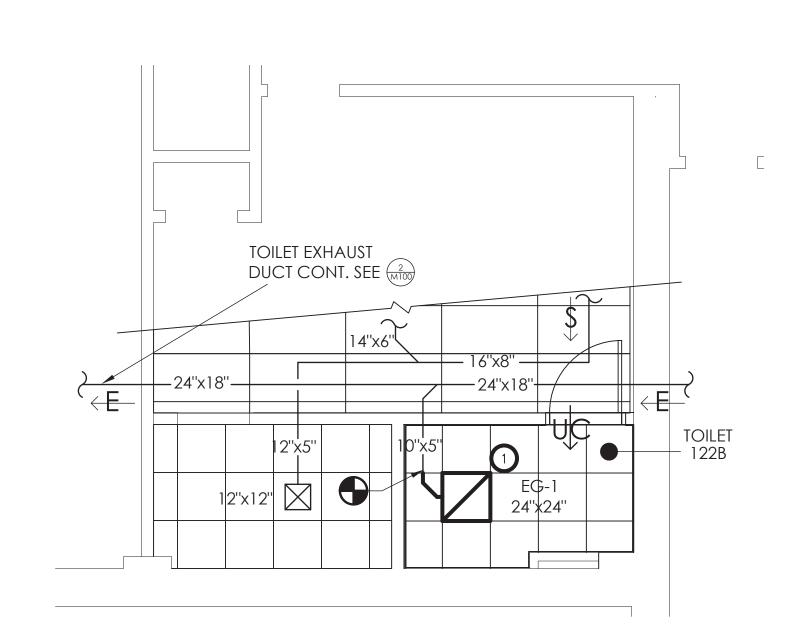
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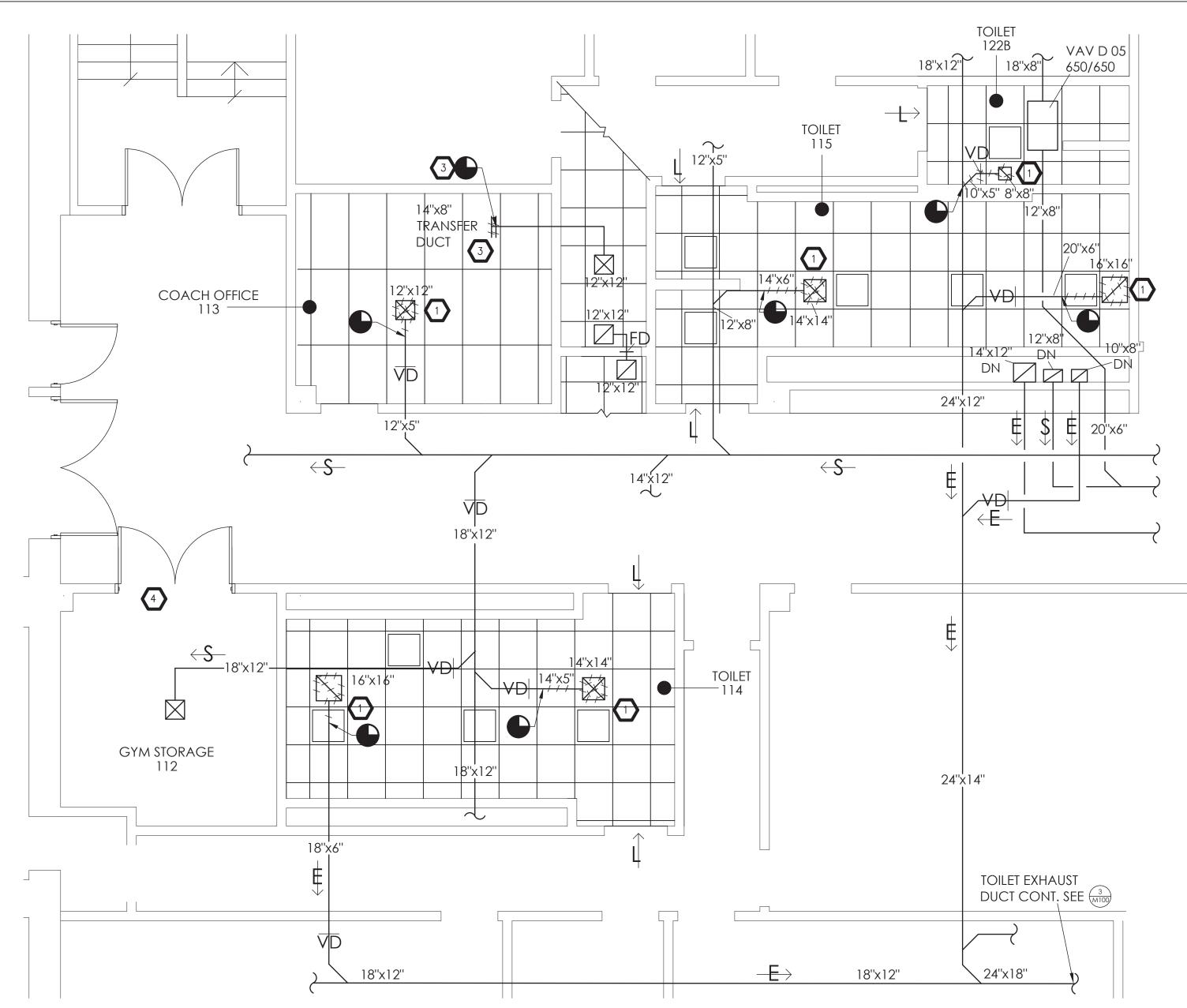
PARTIAL PLAN - NURSE'S OFFICE REMOVALS

SCALE: 1/4"=1'-0"

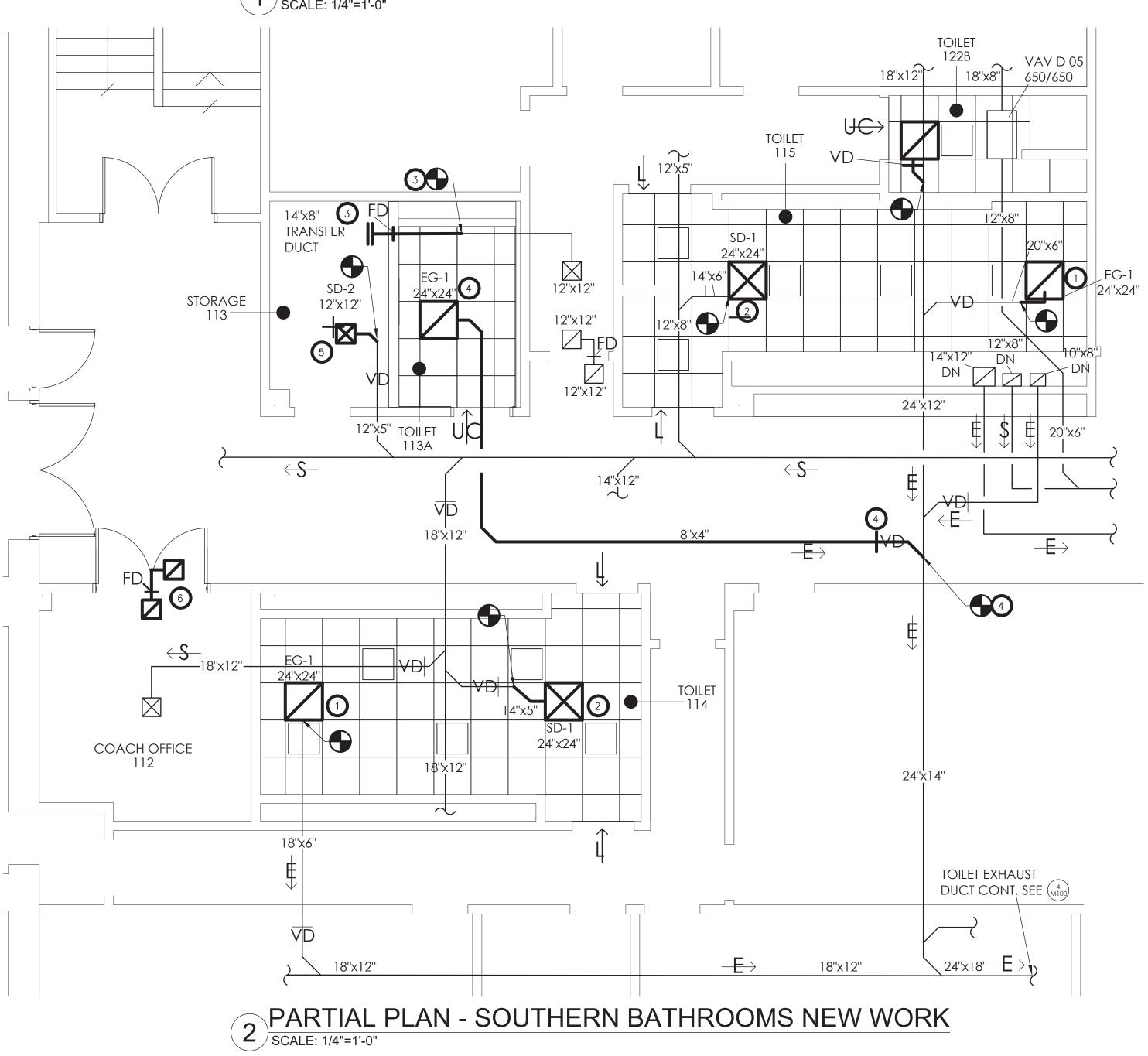


PARTIAL PLAN - NURSE'S OFFICE NEW WORK

SCALE: 1/4"=1'-0"



PARTIAL PLAN - SOUTHERN BATHROOMS DEMOLITION



KEYED NOTES — REMOVALS:

REMOVE EXISTING SUPPLY DIFFUSERS, EXHAUST GRILLES, AND NECKS AS SHOWN.

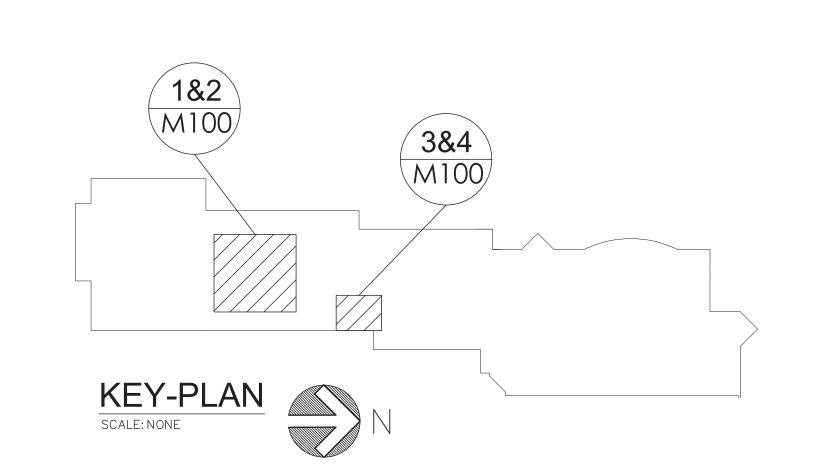
DETERMINE IN FIELD AND REMOVE PORTIONS OF EXISTING DUCTWORK NECESSARY TO POSITION ANY NEW 24"x24" SD-1 AND/OR EG-1 TO FIT A FULL 24"x24" SPACE IN THE NEW CEILING GRID AS SHOWN IN THE NEW WORK PLAN. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR FINAL CEILING GRID LAYOUT.

REMOVE GRILLE FROM EXISTING TRANSFER DUCT AND PREPARE FOR NEW WORK. DISCONNECT AT POINT SHOWN.

SAW CUT WALL PENETRATION FOR NEW TRANSFER DUCT. SEE NEW WORK PLAN AND NOTES.

KEYED NOTES - NEW WORK:

- PROVIDE NEW 24"x24" EXHAUST GRILLES EG-1 MODEL TITUS 350ZL AND NECK CONNECTIONS OF CORRESPONDING SIZE INTO NEW 24"x24" CEILING GRID AS SHOWN. SIZES AND EXACT LOCATIONS MUST BE CONFIRMED IN FIELD.
- PROVIDE NEW 24"x24" SUPPLY DIFFUSERS SD-1 MODEL TITUS TMS AND NECK CONNECTIONS OF CORRESPONDING SIZE INTO NEW 24"x24" CEILING GRID AS SHOWN. SIZES AND EXACT LOCATIONS MUST BE CONFIRMED IN FIELD.
- PROVIDE DUCTING, FIRE DAMPER, AND GRILLE TO EXTEND EXISTING TRANSFER DUCT THROUGH NEW BATHROOM'S WALL AND INTO THE ADJACENT ROOM. RECONNECT AT THE POINT SHOWN. TIE FIRE DAMPER TO EXISTING FIRE ALARM SYSTEM.
- PROVIDE DUCTING, VOLUME DAMPER, AND EG-1 TO NEW BATHROOM AS SHOWN. CONNECT AT POINT SHOWN.
- PROVIDE NEW DUCTWORK, 12"x12" SUPPLY DIFFUSER AND CONNECTIONS INTO ROUTE EXISTING 12"x5" DUCTWORK INTO NEW STORAGE ROOM AS SHOWN. SIZES AND EXACT LOCATIONS MUST BE CONFIRMED IN FIELD.
- 6 PROVIDE NEW 8"x4" TRANSFER DUCT, FIRE DAMPER, TWO 8"x8" GRILLES AND ASSOCIATED AS SHOWN. VERIFY IN FIELD.
- DETERMINE IN FIELD AND PROVIDE ANY NECESSARY NEW DUCT, DAMPERS, AND MATERIALS TO ROUTE FROM EXISTING DUCTWORK TO CONNECT AND POSITION ANY NEW 24"x24" SD-1 OR 24"x24" EG-1 TO FIT A FULL 24"x24" SPACE IN THE NEW CEILING GRID AS SHOWN. COORDINATE WITH ARCH DRAWINGS FOR FINAL CEILING GRID LAYOUT.
- SEAL ANY SPACES OR GAPS IN NEW AND EXISTING DUCTWORK AND MAKE AIR TIGHT. PROVIDE FIREPROOFING TO PENETRATIONS AS NECESSARY.



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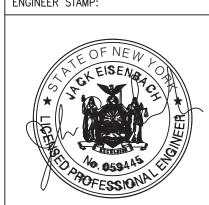
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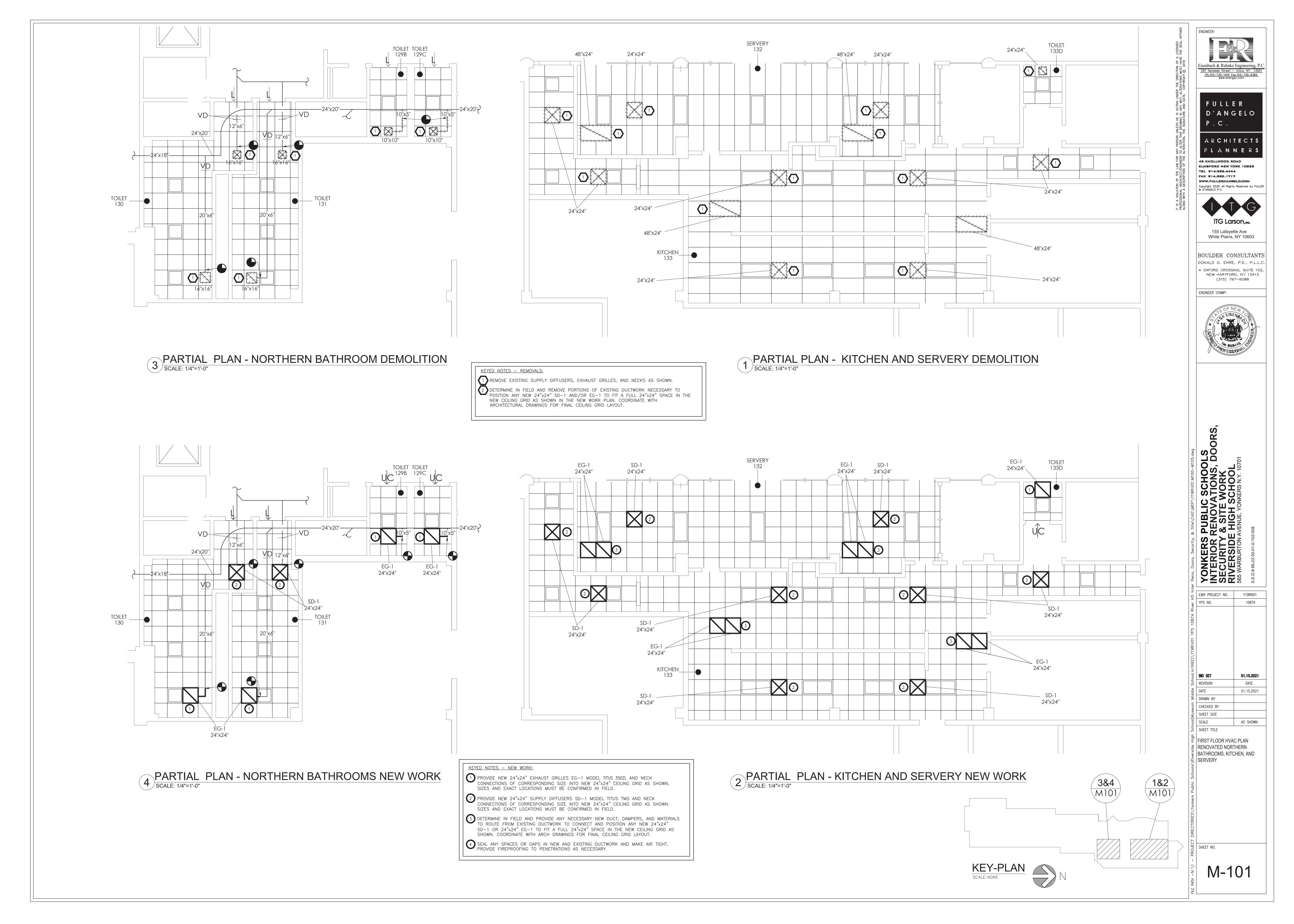
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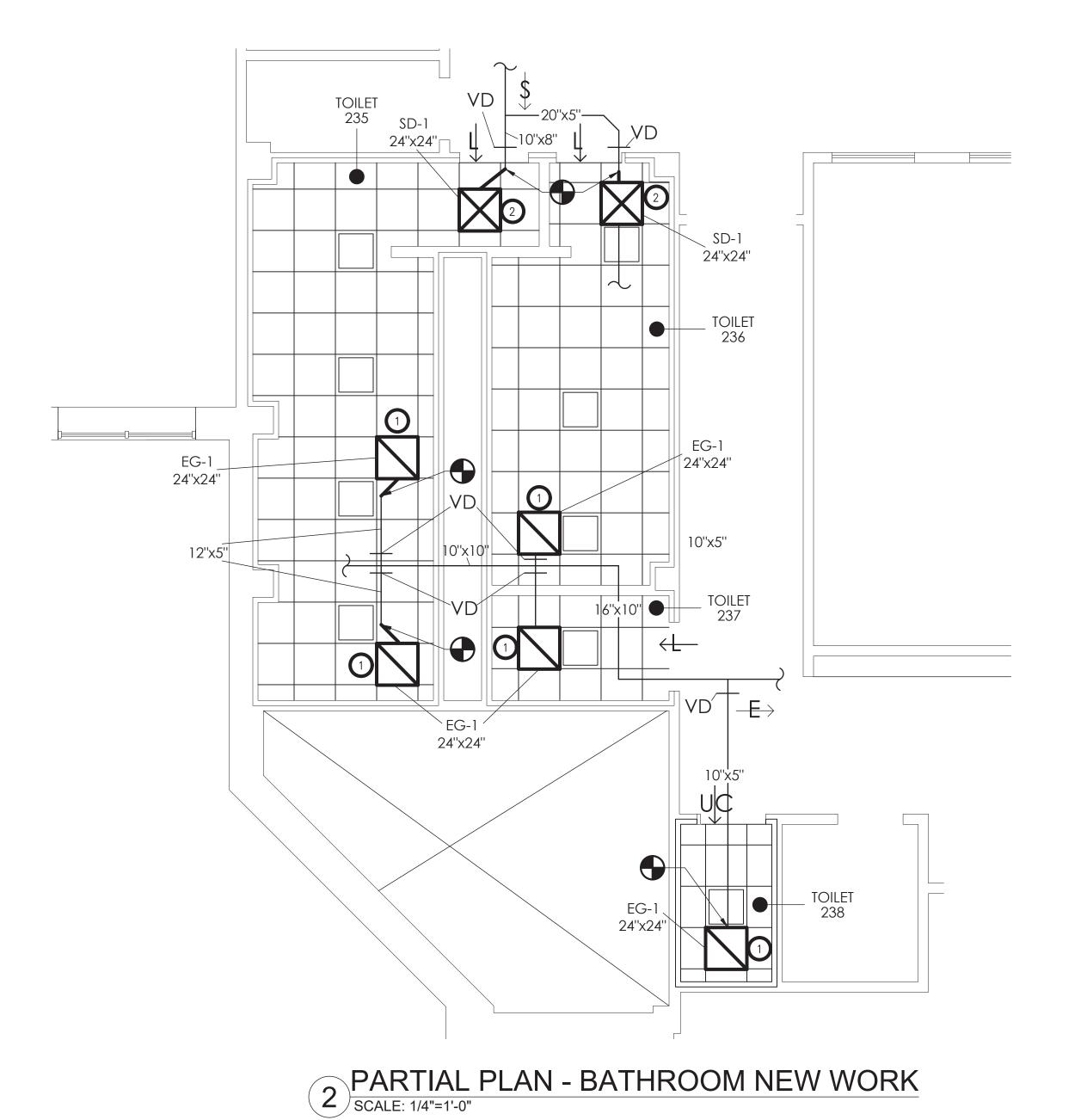
FIRST FLOOR HVAC PLAN
RENOVATED SOUTHERN
BATHROOMS, NURSE'S OFFICE,
AND NEW BATHROOM

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1 PARTIAL PLAN - BATHROOM DEMOLITION SCALE: 1/4"=1'-0"



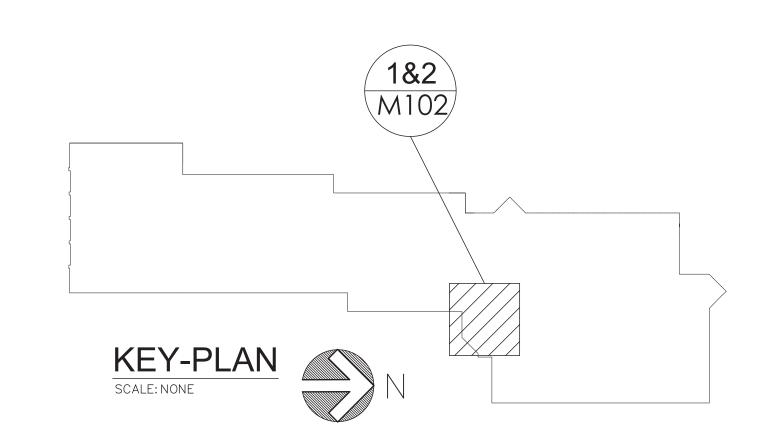
<u>KEYED NOTES — REMOVALS:</u>

REMOVE EXISTING SUPPLY DIFFUSERS, EXHAUST GRILLES, AND NECKS AS SHOWN. DETERMINE IN FIELD AND REMOVE PORTIONS OF EXISTING DUCTWORK NECESSARY TO POSITION ANY NEW 24"x24" SD-1 AND/OR EG-1 TO FIT A FULL 24"x24" SPACE IN THE NEW CEILING GRID AS SHOWN IN THE NEW WORK PLAN. COORDINATE WITH

ARCHITECTURAL DRAWINGS FOR FINAL CEILING GRID LAYOUT.

KEYED NOTES - NEW WORK:

- PROVIDE NEW 24"x24" EXHAUST GRILLES EG-1 MODEL TITUS 350ZL AND NECK CONNECTIONS OF CORRESPONDING SIZE INTO NEW 24"x24" CEILING GRID AS SHOWN. SIZES AND EXACT LOCATIONS MUST BE CONFIRMED IN FIELD.
- PROVIDE NEW 24"x24" SUPPLY DIFFUSERS SD-1 MODEL TITUS TMS AND NECK CONNECTIONS OF CORRESPONDING SIZE INTO NEW 24"x24" CEILING GRID AS SHOWN. SIZES AND EXACT LOCATIONS MUST BE CONFIRMED IN FIELD.
- DETERMINE IN FIELD AND PROVIDE ANY NECESSARY NEW DUCT, DAMPERS, AND MATERIALS TO ROUTE FROM EXISTING DUCTWORK TO CONNECT AND POSITION ANY NEW 24"x24" SD-1 OR 24"x24" EG-1 TO FIT A FULL 24"x24" SPACE IN THE NEW CEILING GRID AS SHOWN. COORDINATE WITH ARCH DRAWINGS FOR FINAL CEILING GRID LAYOUT.
- 4 SEAL ANY SPACES OR GAPS IN NEW AND EXISTING DUCTWORK AND MAKE AIR TIGHT. PROVIDE FIREPROOFING TO PENETRATIONS AS NECESSARY.



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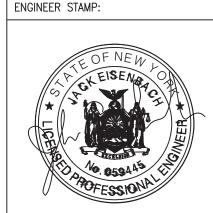
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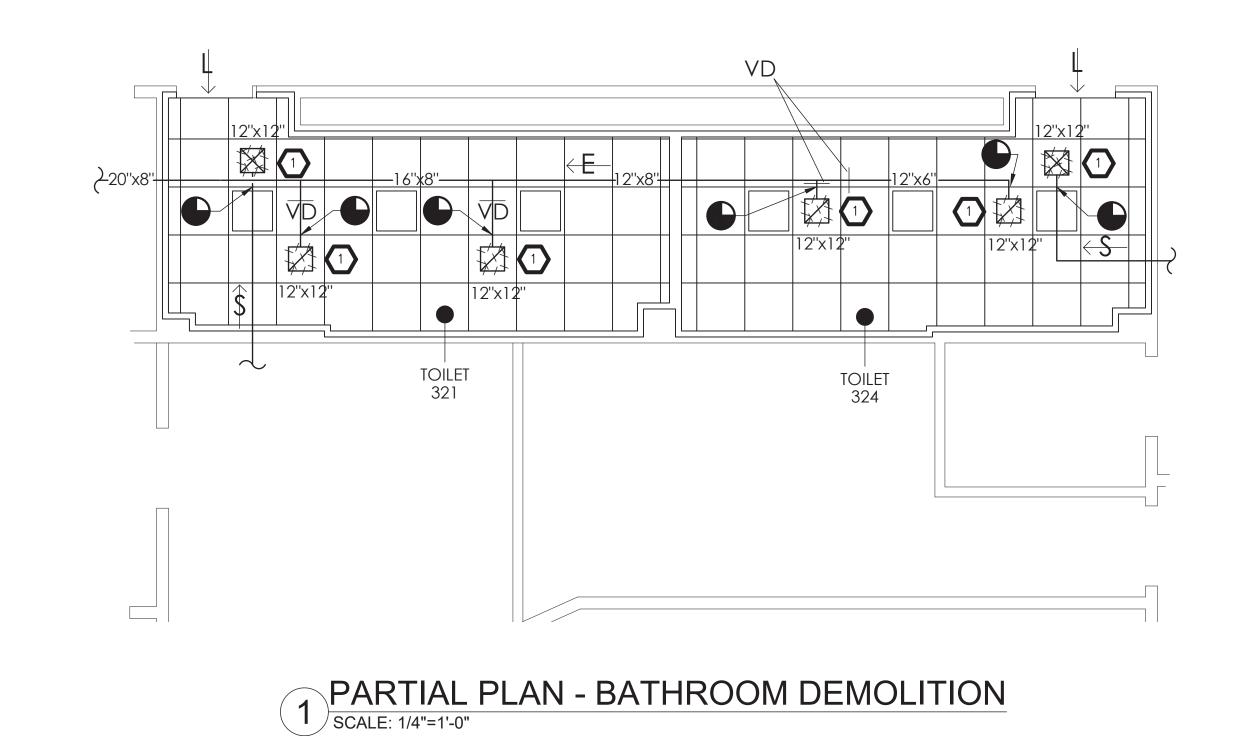
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SCALE AS SHOWN SHEET TITLE SECOND FLOOR HVAC PLAN

RENOVATED BATHROOMS



REMOVE EXISTING SUPPLY DIFFUSERS, EXHAUST GRILLES, AND NECKS AS SHOWN. DETERMINE IN FIELD AND REMOVE PORTIONS OF EXISTING DUCTWORK NECESSARY TO POSITION ANY NEW 24"x24" SD-1 AND/OR EG-1 TO FIT A FULL 24"x24" SPACE IN THE NEW CEILING GRID AS SHOWN IN THE NEW WORK PLAN. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR FINAL CEILING GRID LAYOUT.

KEYED NOTES - REMOVALS:

KEYED NOTES - NEW WORK:

PROVIDE NEW 24"x24" EXHAUST GRILLES EG-1 MODEL TITUS 350ZL AND NECK CONNECTIONS OF CORRESPONDING SIZE INTO NEW 24"x24" CEILING GRID AS SHOWN. SIZES AND EXACT LOCATIONS MUST BE CONFIRMED IN FIELD.

PROVIDE NEW 24"x24" SUPPLY DIFFUSERS SD-1 MODEL TITUS TMS AND NECK CONNECTIONS OF CORRESPONDING SIZE INTO NEW 24"x24" CEILING GRID AS SHOWN. SIZES AND EXACT LOCATIONS MUST BE CONFIRMED IN FIELD.

SEAL ANY SPACES OR GAPS IN NEW AND EXISTING DUCTWORK AND MAKE AIR TIGHT. PROVIDE FIREPROOFING TO PENETRATIONS AS NECESSARY.

DETERMINE IN FIELD AND PROVIDE ANY NECESSARY NEW DUCT, DAMPERS, AND MATERIALS TO ROUTE FROM EXISTING DUCTWORK TO CONNECT AND POSITION ANY NEW 24"x24" TO ROUTE FROM EXISTING DUCTWORK TO CONNECT AND POSITION ANY NEW 24"x24"

SD-1 OR 24"x24" EG-1 TO FIT A FULL 24"x24" SPACE IN THE NEW CEILING GRID AS SHOWN. COORDINATE WITH ARCH DRAWINGS FOR FINAL CEILING GRID LAYOUT.

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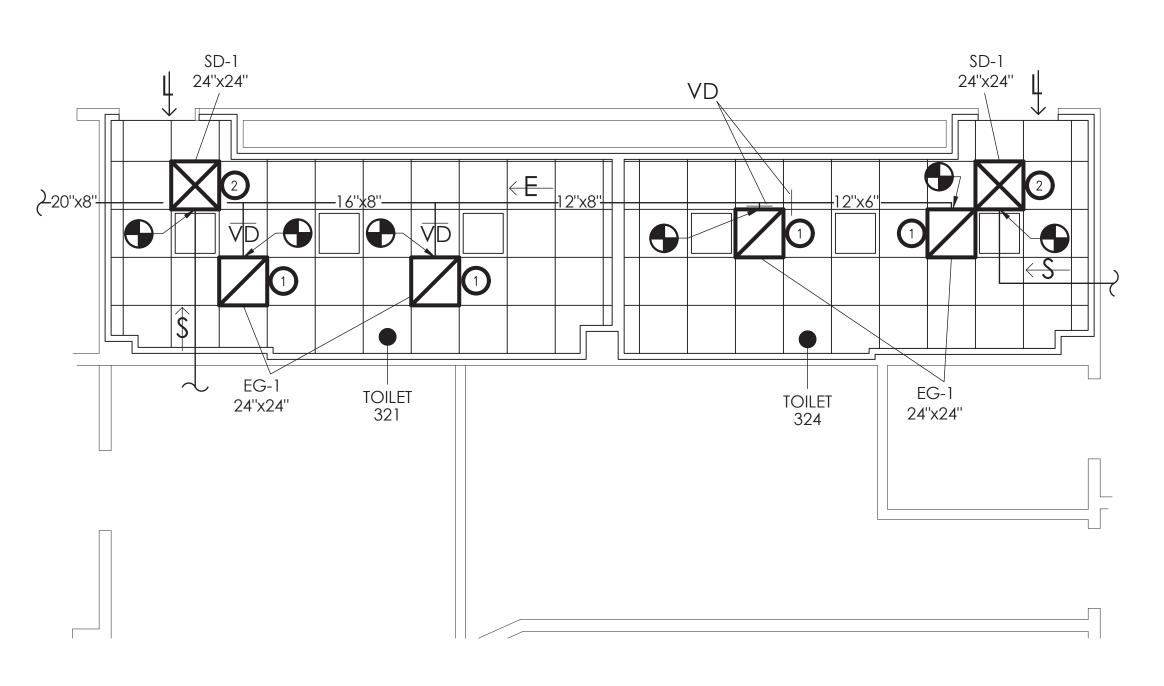
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SHEET TITLE THIRD FLOOR HVAC PLAN RENOVATED BATHROOMS

KEY-PLAN
SCALE: NONE

32"x24" RISER EĠ-1 EG-1 24"x24" 24"x24" TOILET 323 PARTIAL PLAN - BATHROOM NEW WORK

SCALE: 1/4"=1'-0"



PARTIAL PLAN - BATHROOM NEW WORK

SCALE: 1/4"=1'-0"

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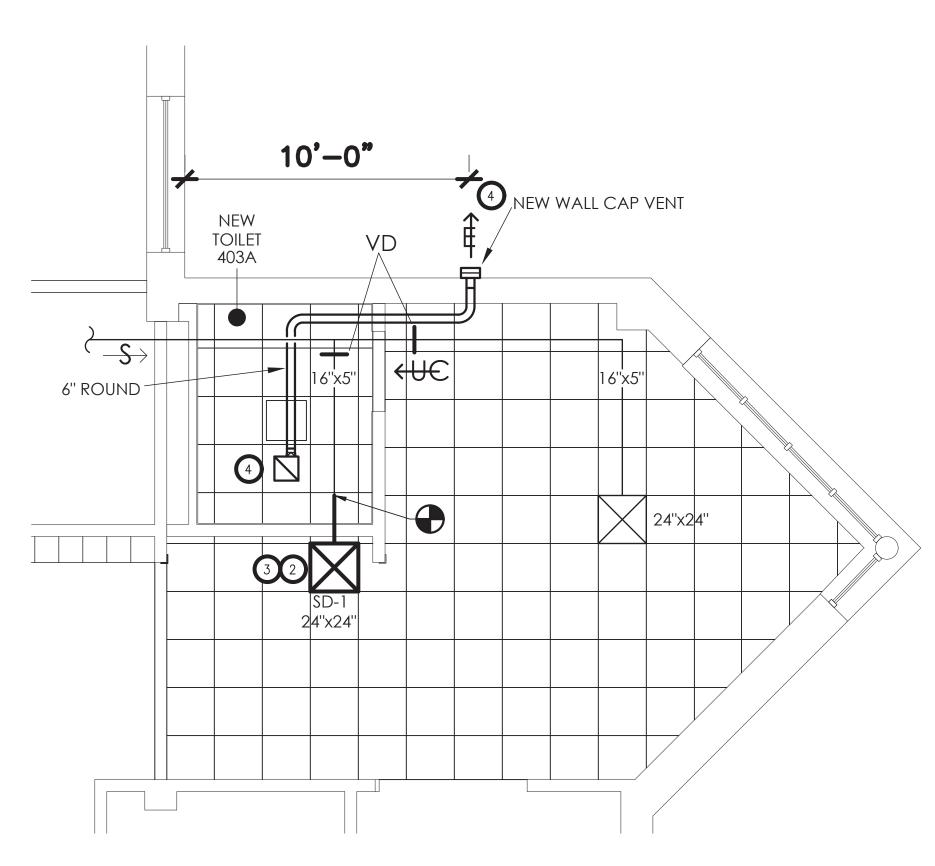
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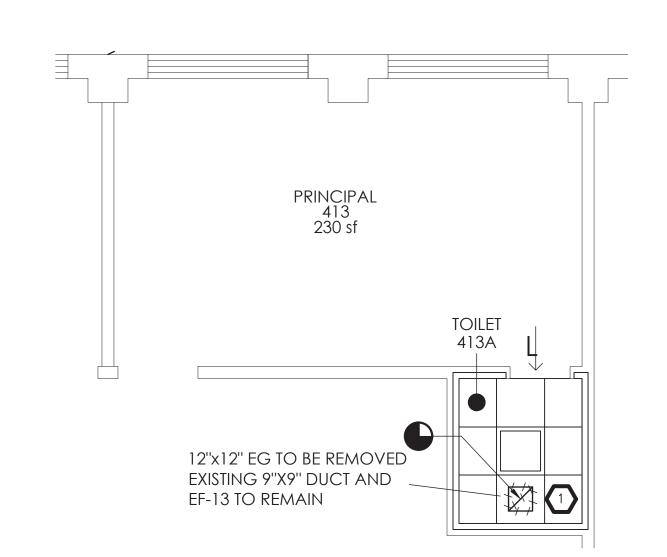
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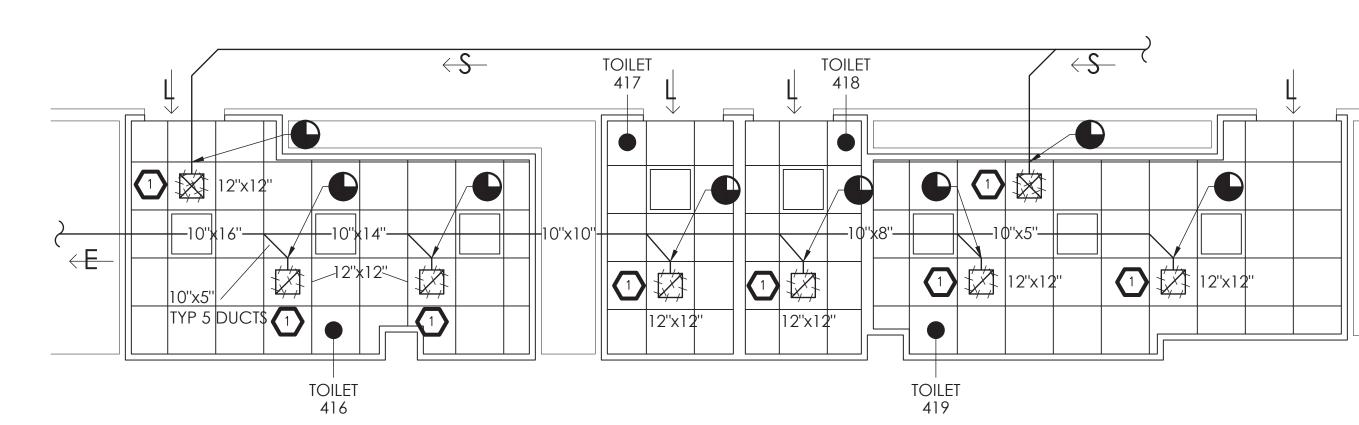




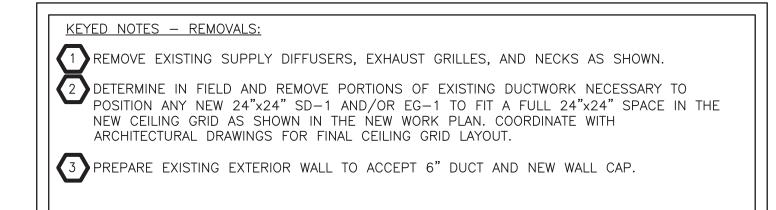
6 PARTIAL PLAN - BATHROOM NEW WORK SCALE: 1/4"=1'-0"

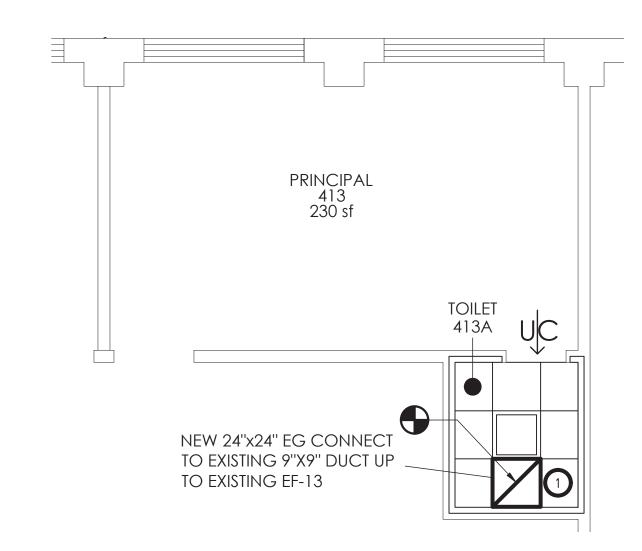


3 PARTIAL PLAN - PRINCIPAL'S BATHROOM REMOVALS
SCALE: 1/4"=1'-0"



PARTIAL PLAN - BATHROOM REMOVALS
SCALE: 1/4"=1'-0"

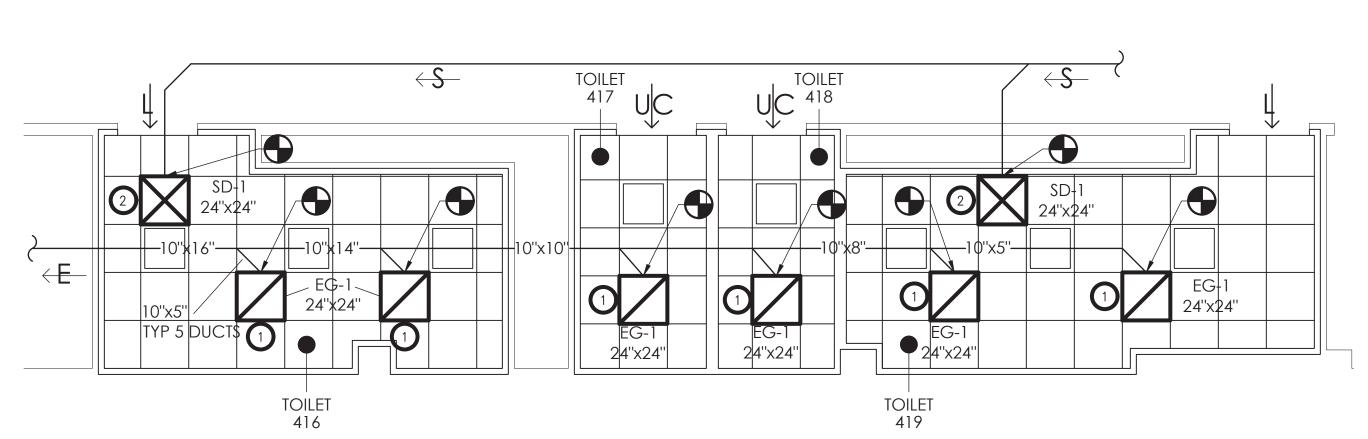




PARTIAL PLAN - PRINCIPAL'S BATHROOM NEW WORK SCALE: 1/4"=1'-0"

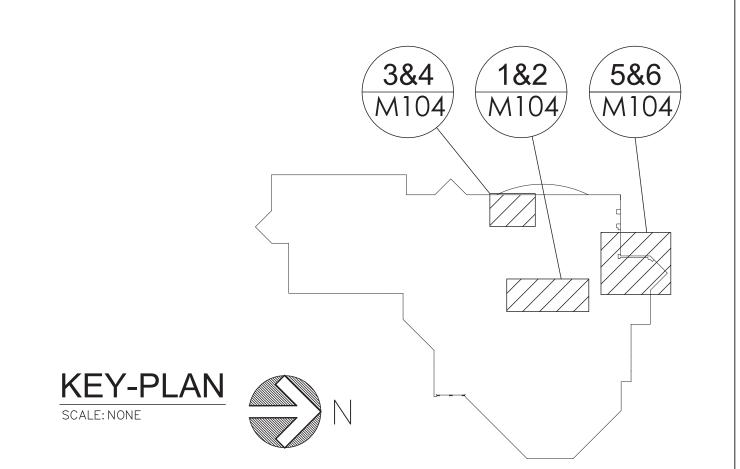


- PROVIDE NEW 24"x24" EXHAUST GRILLES EG-1 MODEL TITUS 350ZL AND NECK CONNECTIONS OF CORRESPONDING SIZE TO FIT INTO NEW 24"x24" CEILING GRID AS SHOWN. CONNECT TO DUCT SIZES AND EXACT LOCATIONS MUST BE CONFIRMED IN FIELD.
- PROVIDE NEW 24"x24" SUPPLY DIFFUSERS SD-1 MODEL TITUS TMS AND NECK CONNECTIONS CORRESPONDING SIZE INTO NEW 24"x24" CEILING GRID AS SHOWN. DUCT SIZES AND EXACT LOCATIONS MUST BE CONFIRMED IN FIELD.
- PROVIDE THE FIRE STOPPING, DUCTING, AND ASSOCIATED TO EXTEND EXISTING 16"x5" SUPPLY DUCT THROUGH NEW BATHROOM'S WALL AND INTO THE ADJACENT ROOM TO CONNECT TO NEW SD-1. CONNECT AT THE POINT SHOWN. DUCT AND SD-1 IS NOT TO INTERFERE WITH EXISTING DEVICES OR LIGHTING PLAN. VERIFY ALL LOCATIONS AND MEASUREMENTS IN FIELD AND REPORT DISCREPANCIES. COORDINATE WITH GC, ARCH DWGS, AND ELEC DWGS.
- PROVIDE NEW 6" DUCT ABOVE NEW DROP CEILING TO CONNECT NEW EF-15 (PROVIDED BY MECH. CONTRACTOR) IN NEW BATHROOM THROUGH EXISTING EXTERIOR WALL TO NEW WALL CAP MODEL BROAN 843BL (PROVIDED BY MECH. CONTRACTOR) AS SHOWN. AVOID STRUCTURAL FEATURES. SEAL AROUND PENETRATION TO PREVENT LEAKS. MECH. CONTRACTOR MUST COORDINATE WITH ARCH. DWGS.
- DETERMINE IN FIELD AND PROVIDE ANY NECESSARY NEW DUCT, DAMPERS, AND MATERIALS TO ROUTE FROM EXISTING DUCTWORK TO CONNECT AND POSITION ANY NEW 24"x24" SD-1 OR 24"x24" EG-1 TO FIT A FULL 24"x24" SPACE IN THE NEW CEILING GRID AS SHOWN. COORDINATE WITH ARCH DRAWINGS FOR FINAL CEILING GRID LAYOUT.
- 6 SEAL ANY SPACES OR GAPS IN NEW AND EXISTING DUCTWORK AND MAKE AIR TIGHT. PROVIDE FIREPROOFING TO PENETRATIONS AS NECESSARY.



PARTIAL PLAN - BATHROOM NEW WORK

SCALE: 1/4"=1'-0"



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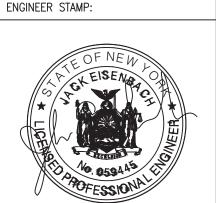
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YONKERS PUBLIC SCHOOLS
INTERIOR RENOVATIONS, DOORS,
SECURITY & SITE WORK
RIVERSIDE HIGH SCHOOL
565 WARBURTON AVENUE, YONKERS N.Y. 10701

E&R PROJECT NO. Y19RIV01
YPS NO. 10874

BID SET 01.15.2021
REVISION DATE
DATE 01.15.2021
DRAWN BY

CHECKED BY

SHEET SIZE

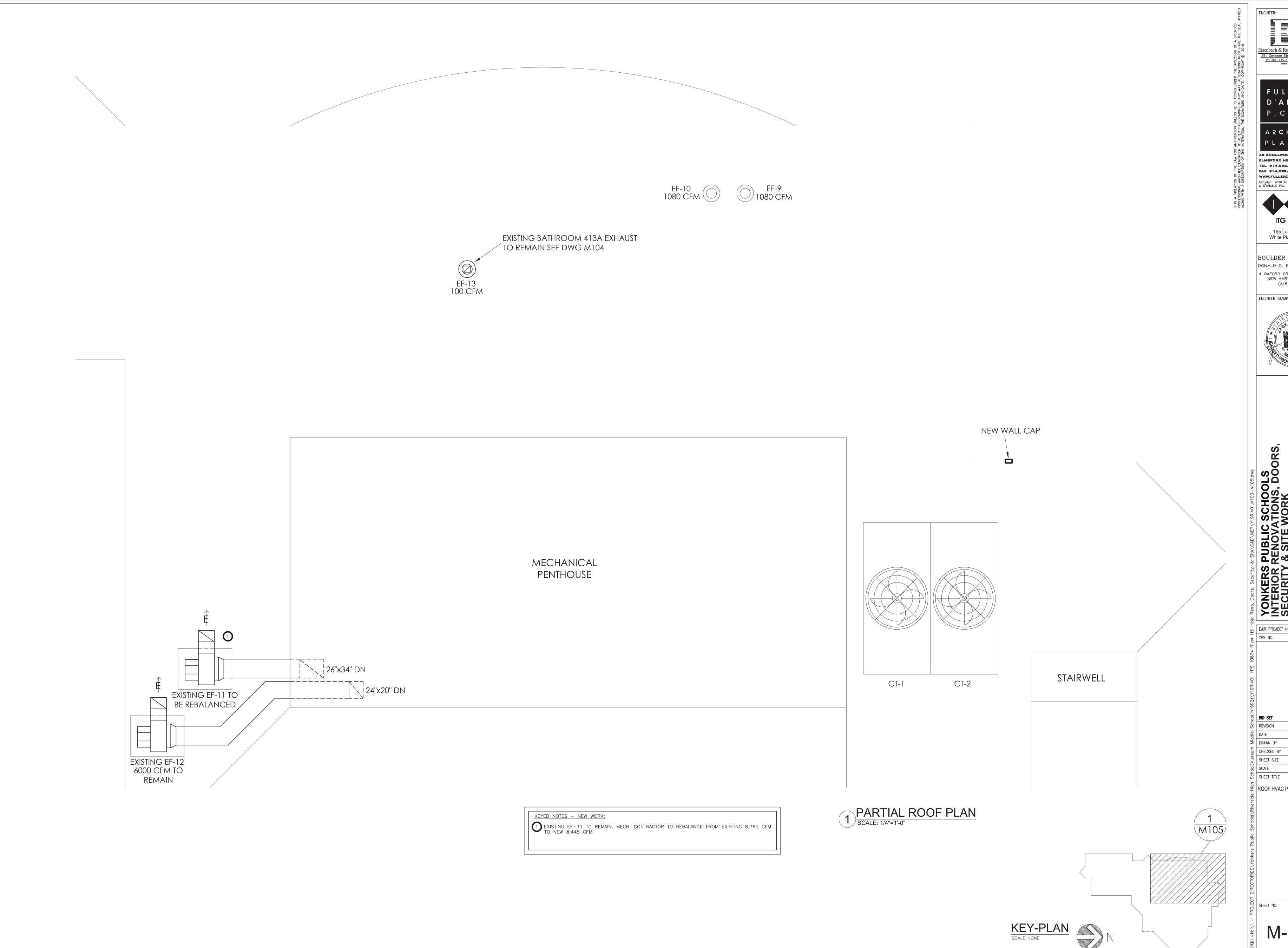
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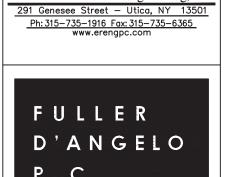
등 FOURTH FLOOR HVAC PLAN RENOVATED BATHROOMS

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A R C H I T E C T S PLANNERS

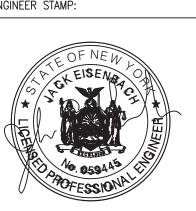
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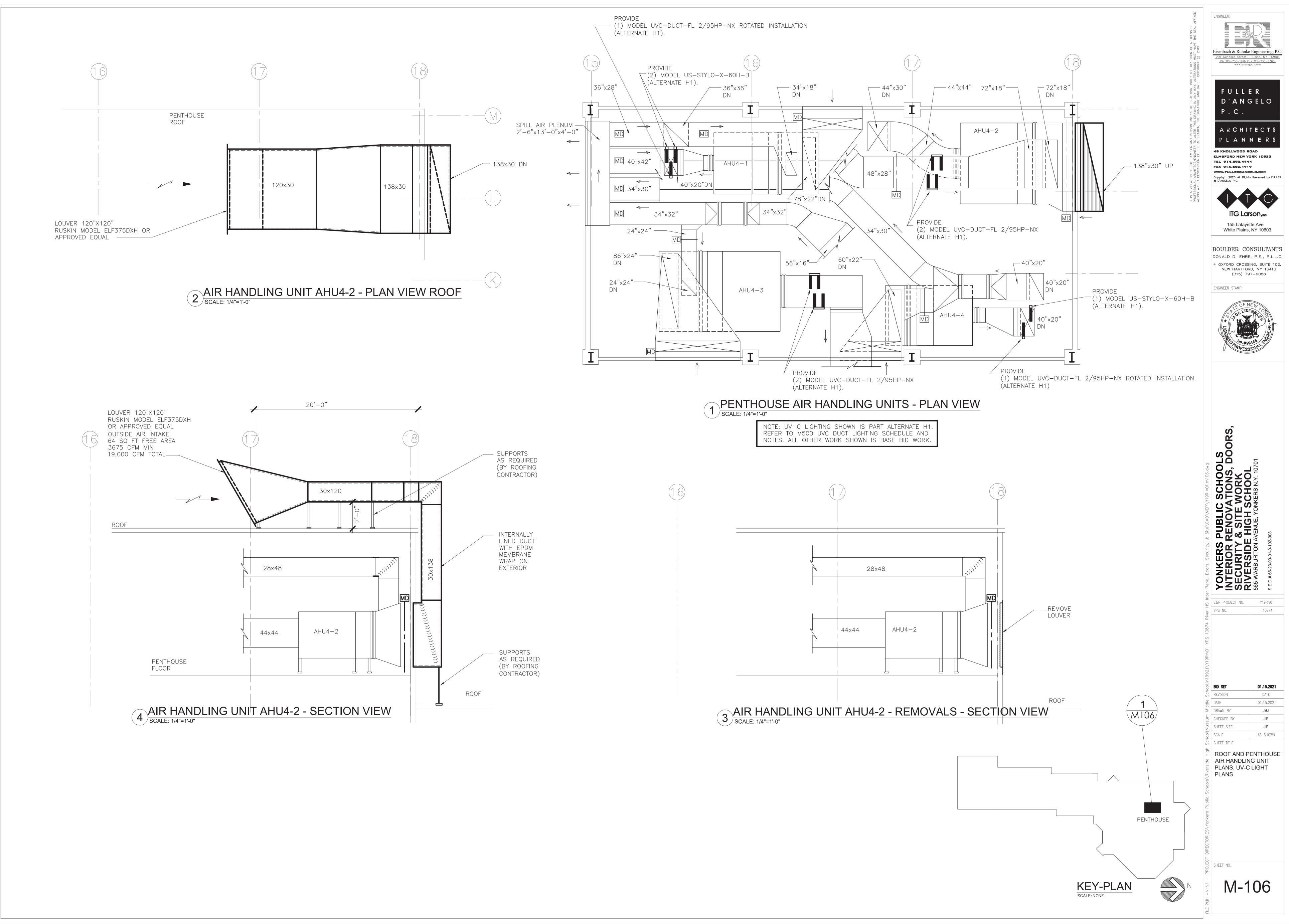
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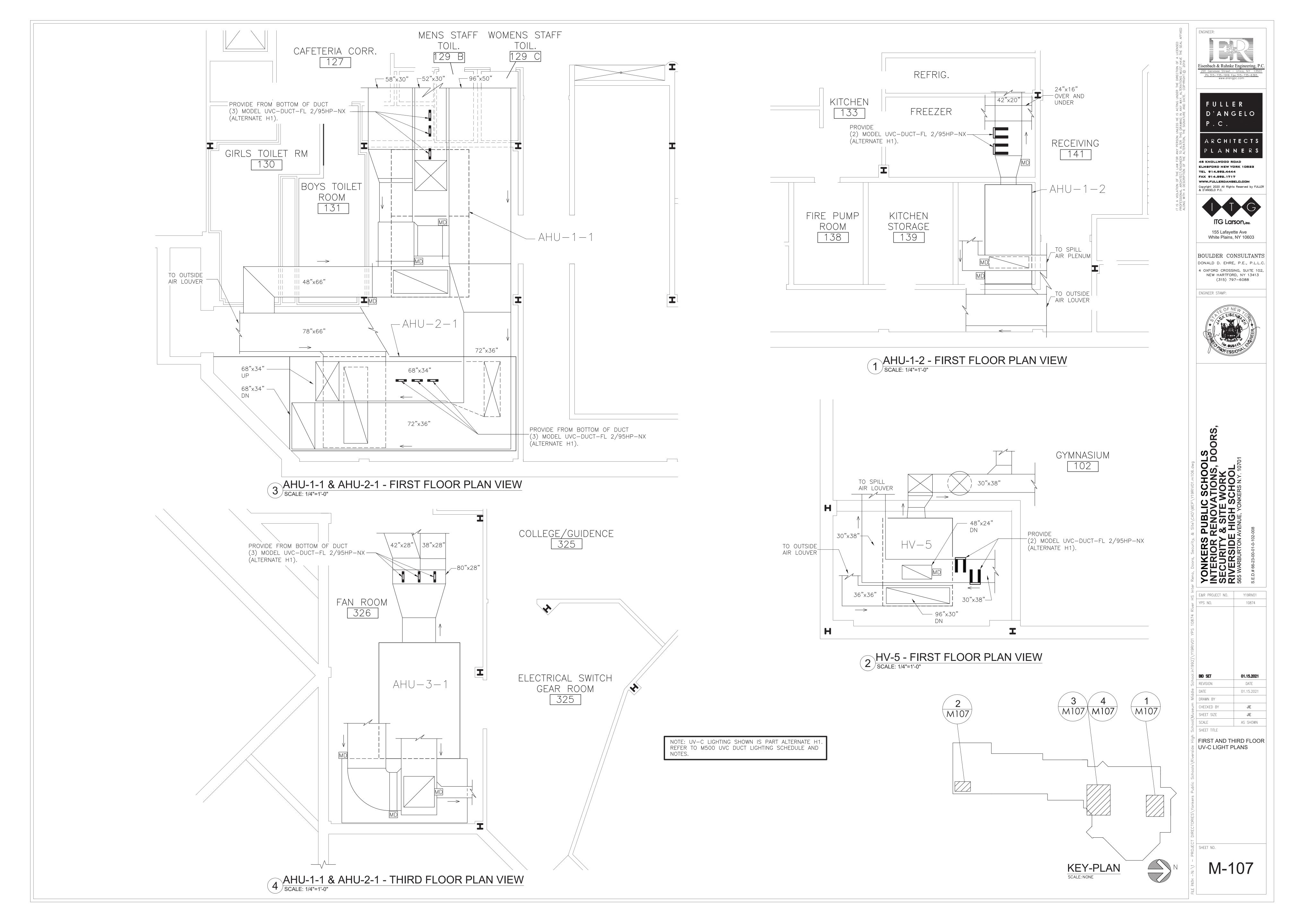


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ROOF HVAC PLAN





EXHAUST FAN SCHEDULE											
QTY	MARK*	MODEL	SERVICE	OLD VOLUME (CFM)	NEW VOLUME (CFM)	TOTAL EXTERNAL SP (IN OF WG)	FAN RPM	SIZE (HP)	ELEC	CTRICAL	NOTES
1	EF-11	TRANE 24	TOILET ROOF EXHAUST	8,365	8,445	1-1/2	1,222	5	208V	3P 4W	1,2
1	EF-12	TRANE 22	KITCHEN ROOF EXHAUST	6,000	6,000	2-1/2	1,466	5	208V	3P 4W	1
1	EF-13	PENN DOMEX	PRINCIPAL'S TOILET ROOF EXHAUST	100	100	3/8	1,140	1/12	120V	1P	1
1	EF-15	BROAN QTXE110	NEW BATHROOM EXHAUST		80	1/10			120V 0.	3A 1P	3

*ALL OTHER EXHAUST FANS AND EQUIPMENT SHOWN FOR REFERENCE ONLY

NOTE 1: EXISTING ROOF MOUNTED FANS MAY REQUIRE REBALANCING AND/OR MAINTENANCE TO ENSURE DESIGN INTENT OF AIR FLOW

NOTE 2: REBALANCE EXHAUST FAN TO INCREASE FUNCTIONAL CFM BY 80 CFM TO ACCOUNT FOR NEW BATHROOM ON 1ST FLOOR.

NOTE 3: PROVIDE EXHAUST FAN MODEL: BROAN AR110LKVVTO NEW 4TH FLOOR BATHROOM AND VENT TO ADJACENT WALL WITH 6" ROUND DUCT THROUGH EXISTING WALL TO WALL CAP MODEL: BROAN-843BL.

EXHAUST GRILLE AND DIFFUSER SCHEDULE								
QTY	MARK	SERVICE	MODEL		SIZE	MATERIAL	FINISH	NOTES
1	EG-1	EXHAUST	TITUS 350ZL		24"x24"	STEEL	WHITE	1,2,3
1	SD-1	SUPPLY	TITUS TMS		24"x24"	STEEL	WHITE	1,2,3

NOTE 1: PROVIDE APPROPRIATE SIZED NECK TO CONNECT TO NEW OR EXISTING DUCT. SEAL AND MAKE CONNECTIONS AIR TIGHT.

NOTE 2: PROVIDE GRILLE OR DIFFUSER TO FIT IN A FULL 24x24 DROP IN CEILING GRID.

NOTE 3: PROVIDE DAMPERS AS NECESSARY TO PROVIDE AIR BALANCING.

					1SULATIO1	N SCHEDU	JLE						
	<u> </u>		INSULATION CLASS	(~)		JACKETING CLASS	/L)				THICKNE	ESS (IN)	
TYPE	EQUIPMENT OR SYSTEM SERVED	1	INSULATION CLASS	(a)		JACKETING CLASS	(b)		NOMI	INAL PIPE SIZ	E (IN)		DUCTWORK
		INTERIOR CONCEALED	INTERIOR EXPOSED	EXTERIOR	INTERIOR GENERAL	EQUIPMENT ROOMS	EXTERIOR	<1"	1"-<12"	1 ½"- <4"	4 "- <8'	" ≥8" & UP	(c)
А	RS, RL	FE	FE	FE	0	0	4	0.5	1.5	1.5	1.5	1.5	
									$\prod_{i=1}^{n}$				
	DOW COOLING CON CONDENSATE	FE			0			0.5	0.5	1.0	1.0	1.0	
В	DCW, COOLING COIL CONDENSATE		FE			4		0.5	0.5	1.0	1.0	1.0	
		1		 I			 [
		FG			1			1.5	1.5	2	2	2	
С	HWS, HWR		FG		1	1		1.5	1.5	2	2	2	
				UR			6	1.5	1.5	2	2	2	
	†	1		 I			 [
	†	FG (d)			2				+				1.5(g)
D	DUCTWORK		FG (e)		2	2			1				2 (f)(g)
1				UR(e)			3						2 (i)
		1	†	 I		†	 [
(c	PROPERTY OF THE PROPERTY OF TH	IC	· ,	0 NONE 1 ALL SER 2 ALUMINU 3 CANVAS 4 POLYVIN' 5 STAINLES 6 ALUMINU 7 EPDM	UM FOIL NYL CHLORIDE SS STEEL	(d)	SUPPLY AIR OUTSIDE AIR MIXED AIR RETURN AIR BLANKET RIGID BOARD			(g) INSULA PENET		ST AIR 15'-0'	ONDITIONED SPACE "FROM EXTERIOR

ALL INSULATION TO COMPLY WITH 2015 NYS ENERGY CONSERVATION CONSTRUCTION CODE

	(UV-C) IN-DUCT LIGHTING SCHEDULE - ALTERNATE H1												
UVC CIRCUIT #	AIR HANDLING UNIT (AHU) #	LOCATION	AIR FLOW IN CUBIC FEET/ METER (CFM)	MAIN DUCT/ PLENUM WIDTH (INCHES)	MAIN DUCT/ PLENUM HEIGHT (INCHES)	SUGGESTED PRODUCT SKUS	QTY	APPLICATIONS	LOCATION OF CIRCUIT DISCONNECT SWITCH	NOTES			
UV-C-1-1	AHU-1-1	1ST FLOOR FAN ROOM	22,000	52	30	UV-DUCT-FL 2/95HP-NX	3	IN-DUCT	AT LIGHTS	1,2,3,4,5,6,8,9			
UV-C-1-2	AHU-1-2	1ST FLOOR LOFT	8,500	42	20	UV-DUCT-FL 2/95HP-NX	2	IN-DUCT	AT LIGHTS	1,2,3,4,5,6,8,9			
UV-C-2-1	AHU-2-1	1ST FLOOR FAN ROOM	28,000	68	34	UV-DUCT-FL 2/95HP-NX	3	IN-DUCT	AT LIGHTS	1,2,3,4,5,6,8,9			
UV-C-3-1	AHU-3-1	3RD FLOOR FAN ROOM	27,000	80	28	UV-DUCT-FL 2/95HP-NX	3	IN-DUCT	AT LIGHTS	1,2,3,4,5,6,8,9			
UV-C-4-1	AHU-4-1	PENTHOUSE	8,000	40	20	UV-DUCT-FL 2/95HP-NX UV-STYLO-X-60H-B	1 2	- IN-DUCT	AT LIGHTS	1,2,3,4,5,6,8,9			
UV-C-4-2	AHU-4-2	PENTHOUSE	18,000	48	28	UV-DUCT-FL 2/95HP-NX	2	IN-DUCT	AT LIGHTS	1,2,3,4,5,6,8,9			
UV-C-4-3	AHU-4-3	PENTHOUSE	11,000	56	22	UV-DUCT-FL 2/95HP-NX	2	IN-DUCT	AT LIGHTS	1,2,3,4,5,6,8,9			
UV-C-4-4	AHU-4-4	PENTHOUSE	7,400	40	20	UV-DUCT-FL 2/95HP-NX UV-STYLO-X-60H-B	1 2	- IN-DUCT	AT LIGHTS	1,2,3,4,5,6,8,9			
UV-C-5	HV-5	GYM PENTHOUSE	14,000	30	38	UV-DUCT-FL 2/95HP-NX	2	IN-DUCT	48" AFF	1,2,3,4,5,6,7,9			

NOTE 1: PROVIDE UV—C LIGHTS AND ALL APPURTENANCES BY LIGHT PROGRESS USA BRAND OR APPROVED EQUAL. NOTE 2: PROVIDE UV—C LIGHTS AS SHOWN ON M—106 AND M—107 AND ALL APPURTENANCES AS PART OF ALTERNATE H1 ONLY.

NOTE 3: MECHANICAL CONTRACTOR TO PROVIDE AND COORDINATE CUTTING, PATCHING AND SEALING. PROVIDE POWER TO LIGHTS USING 2#12 -W1#12 GRD WIRING, 3/4"CONDUIT, DISCONNECTING SWITCH AND SUPPORTS.

NOTE 4: UV-C LIGHTING AND ALL APPURTENANCES MUST BE ACCESSIBLE WITHIN REASON TO ALLOW FOR CLEANING, MAINTENANCE, AND ACCESS FOR REPLACEMENT OF BULB(S).

NOTE 5: EACH UV-C LIGHTING CIRCUIT MUST INCLUDE AN INDIVIDUAL DISCONNECTING SWITCH WITH INDICATING LED WITHIN SIGHT OF THE UVC LIGHT(S) ON THE CIRCUIT.

NOTE 6: LABEL EACH UV-C LIGHT AND DISCONNECTING SWITCH WITH THE CORRESPONDING UVC CIRCUIT NUMBER, ELECTRICAL PANEL NAME, AND BREAKER NUMBER. NOTE 7: MOUNT DISCONNECT SWITCH AT 48" AFF (U.O.N.) AND PROVIDE PLASTIC LOCKABLE ENCLOSURE.

NOTE 8: MOUNT DISCONNECT SWITCH AT OR NEAR THE UV-C LIGHT INSTALLATION (U.O.N.).

NOTE 9: DISCONNECT SWITCH'S FACE PLATE MUST INDICATE ON AND OFF DIRECTIONS AND THE "ON" CONDITION SHALL ILLUMINATE THE LED INDICATOR.

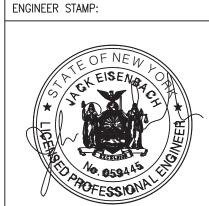
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Y19RIV01 10874 01.15.2021 REVISION DATE 01.15.2021 DRAWN BY CHECKED BY SCALE AS SHOWN

SCHEDULES AND DETAILS

SHEET TITLE

SHEET NO.