OUTDOOR AIR DAMPER CAPABLE OF DEMAND CONTROL VENTILATION WITH CO2 SENSOR LOCATED IN UNIT OR DUCTWORK.

2: ROUTE DUCTWORK DOWN FROM UNIT TO THE BOTTOM OF STRUCTURE. REFER TO DETAIL AND INSULATION/LINER REQUIREMENTS. 3: FURNISH WITH FACTORY INSTALLED SMOKE DETECTOR IN RETURN AIR DUCT SECTION. FIRE ALARM CONTRACTOR TO CONNECT TO FIRE ALARM CONTROL PANEL AS REQUIRED.

4: FACTORY PROVIDED GFI / WP RECEPTACLE, UNPOWERED. CONTRACTOR TO FIELD WIRE PER PLANS.

SEE ENLARGEMENT

PREFABRICATED

AND FLASHING \

_ ROOFING

METAL DECK-

r ROOF

INSULATION, CANT,

INSULATION

OPENINGS IN LAYERS

FOR DUCT PASSAGE ONLY —

// //

ROOF TOP UNIT

SMOOTH RADIUS

ELBOW (TYP.)——

5: PROVIDE FACTORY CONTROLLER FOR STAND-ALONE OPERATION. PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT IN LOCKBOX. TEMPORARILY MOUNT IN SPACE, TENANT TO RELOCATE TO ITS FINAL LOCATION.

ROOFTOP AIR CONDITIONING

--3'-0"--

ROOFTOP UNIT AND CURB DETAIL

NOT TO SCALE

- PROVIDE FLEXIBLE

DUCT CONNECTION AT

UNIT SUPPLY AND RETURN

JTSIDE AIR INTAKE

GAS COCK AND UNION

-GAS REGULATOR FROM 2 LBS. TO 10" W.C.

CEILING

& HEATING UNIT

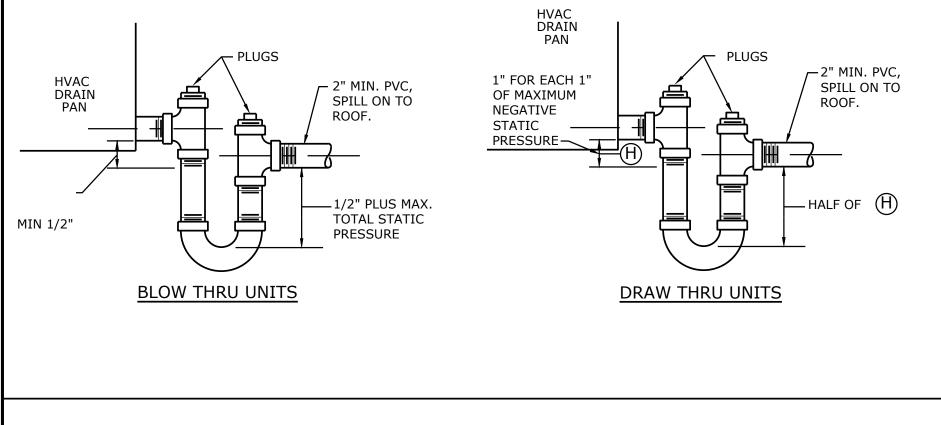
DUCTWORK SCHEDULE							
SERVICE	DUCT	DUCT SMACNA REQUIREMENTS		s	OTHER REQUIREMENTS		
	MATERIAL	SHAPE	CLASSIFICATION	SEAL CLASS	LEAKAGE CLASS		
SUPPLY AIR DUCTS CONNECTED TO RTU	GALVANIZED STEEL	RECTANGULAR	2" WG POSITIVE	В	12	1", 3LB DENSITY LINER	
						PAINTABLE WHERE EXPOSED	
	GALVANIZED STEEL	ROUND/FLAT OVAL	4" WG POSITIVE	В	3	PAINTABLE WHERE EXPOSED	
		(EXPOSED)	SPIRAL SEAM/FLAT OVAL				
RETURN AIR AND TRANSFER AIR DUCTWORK	GALVANIZED STEEL	RECTANGULAR	2" WG NEGATIVE	В	12	1", 3LB DENSITY LINER	
						PAINTABLE WHERE EXPOSED	
GENERAL EXHAUST DUCTS TO THE INLET OF THE FAN	GALVANIZED STEEL	RECTANGULAR	2" WG NEGATIVE	B - RECTANGULAR	12 - RECTANGULAR	PAINTABLE WHERE EXPOSED	
		OR ROUND		A - ROUND	3 - ROUND		

1: SEE DUCTWORK INSULATION SCHEDULE FOR REQUIREMENTS ON DUCT INSULATION

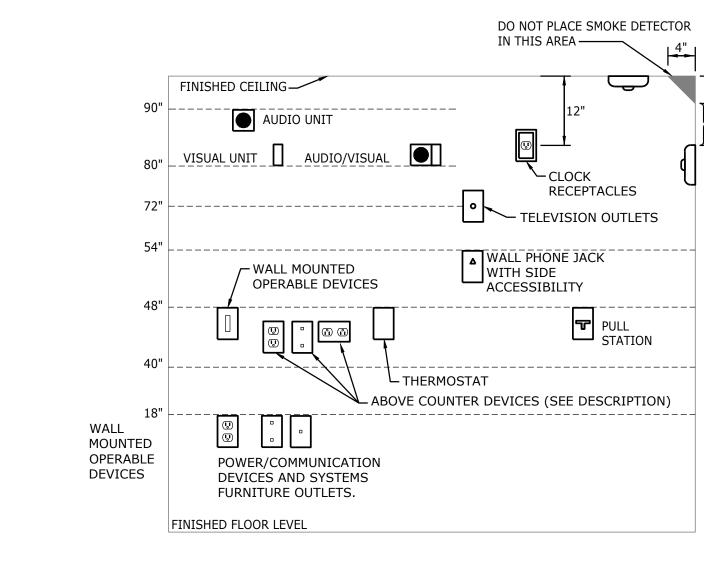
DUCTWORK INSULATION SCHEDULE					
SERVICE	INSULATION				
CASINGS, HOUSINGS AND PLENUMS	2", 6 LB. FIBERGLASS BOARD, GCVB				
CONCEALED DUCTWORK AS FOLLOWS:	1-1/2", 1.5 LB. RIGID FIBERGLASS BLANKET, VAPOR BARRIER FACED,				
ALL ROUND SUPPLY AIR AND UNLINED BRANCH TAKE-OFFS FOR ROUND DUCTS	WITH HEAVY DUTY FOIL-SCRIM-KRAFT FACING.				
AND IN-LINE TRANSITIONS.					
EXHAUST AIR BETWEEN ISOLATION DAMPER AND PENTRATION OF BUILDING EXTERIOR					
RELIEF AIR					

1: SEE DUCTWORK SCHEDULE FOR ITEMS THAT ARE TO BE LINED. 2: EXPOSED, LOW PRESSURE, ROUND AND FLAT OVAL SUPPLY AIR DUCTWORK IS NOT INSULATED.

> CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI



CONDENSATE DRAIN TRAP DETAIL



VISUAL UNIT (FIRE ALARM NOTIFICATION DEVICES) DEVICE 80" ABOVE HIGHEST FLOOR LEVEL OR 6" BELOW CEILING WHICH EVER IS LOWER (ADA 2010). BOTTOM OF DEVICE 80" AFF (NFPA).

AUDIO UNIT (FIRE ALARM NOTIFICATION DEVICE)
TOP OF UNIT AT LEAST 90" AFF OR 6" BELOW CEILING WHICH EVER IS LOWER (NFPA).

AUDIO/VISUAL UNIT (FIRE ALARM NOTIFICATION DEVICE) LOCATION DETERMINED BY VISUAL UNIT REQUIREMENTS (NFPA).

<u>PULL STATION</u> (FIRE ALARM ACTIVATION DEVICE) HIGHEST OPERABLE PART SHALL NOT BE MORE THAN 48" ABOVE THE FLOOR (FRONT APPROACH) ADA 2010. OPERABLE PART (T-HANDLE) SHALL BE NOT LESS THAN 42" AFF (NFPA).

WALL MOUNTED OPERABLE DEVICES

OPERABLE DEVICES SHALL BE LOCATED 48" AFF. TO THE TOP OF OPERABLE PORTION OF DEVICE. WALL MOUNTED TELEPHONES WITH SIDE ACCESSIBILITY MAY BE MOUNTED UP TO 54" AFF. WALL MOUNTED OPERABLE DEVICES INCLUDE, BUT ARE NOT LIMITED TO

DETECTOR

HERE

ACCEPTABLE

CONFLICTS.

1. MOUNTING HEIGHTS SHOWN IN THIS

DETAIL ARE TYPICAL UNLESS SHOWN

SEE ARCHITECTURAL ELEVATIONS FOR SPECIAL CONDITIONS. NOTIFY

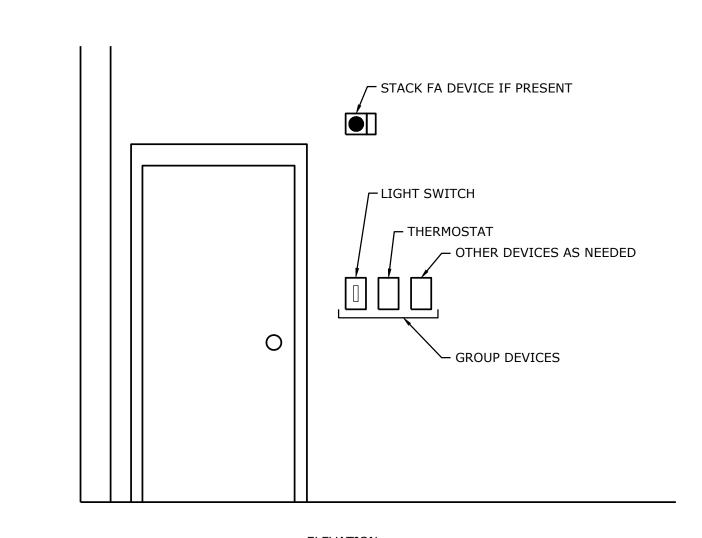
ARCHITECT IMMEDIATELY OF ANY

OTHERWISE ON THE PLANS.

THE FOLLOWING: ADJUSTABLE THERMOSTATS OR CO2 SENSORS LIGHTING SWITCHES/DIMMERS/CONTROLS **PUSH BUTTONS**

OTHER CONTROL OR "CALL" DEVICES POWER/COMMUNICATION DEVICES:

OUTLETS SHALL BE LOCATED 18" AFF TO THE TOP OF THE BOX. *ABOVE COUNTER DEVICES (PLAN DESIGNATION ⊕ ♣) SHALL BE LOCATED AT 48" TO THE TOP OF THE BOX, MOUNTED VERTICALLY UNLESS ABOVE CASEWORK. WHEN ABOVE CASEWORK LOCATE THESE DEVICES AT 2" ABOVE BACKSPLASH OF COUNTER TOP MEASURED TO THE BOTTOM OF DEVICE. VERIFY W/ ARCHITECTURAL DETAILS.

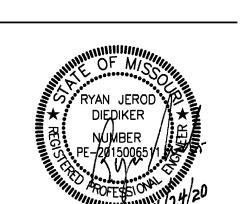


ELEVATION └ OTHER DEVICES AS NEEDED <u>PLAN</u>

*FOR GENERAL MOUNTING REFERENCE ONLY, REFER TO PLANS FOR ALL DEVICE LOCATIONS AND QUANTITIES

WALL MOUNTED DEVICES: MOUNTING HEIGHTS
NO SCALE







3 ADDENDUM #3 08/20/20 Project #: Construction **Documents**

SCHEDULES AND DETAILS -

smith&boucher

25501 west valley parkway, suite 200 olathe, ks 66061

phone 913.345.2127 fax 913.345.0617

ENGINEERS

MECHANICAL AND ELECTRICAL

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