



**⚠ WARNING**  
This compartment must be closed except when servicing.  
**⚠ AVERTISSEMENT**  
Ce compartiment doit rester fermé sauf pour l'entretien.

# How to measure a curb



# Tools to bring to the measure

**PLEASE DO NOT USE RTU DIMENSIONS**

**CDI EXISTING CURB VERIFICATION**

REV	DESCRIPTION	DATE	APPROVED

**\*CDI WILL BE ADDING 1-1/2" (1 1/2") OVERSIZE TO THE CURB OD'S (A & B). PLEASE PROVIDE ONLY ACTUAL CURB DIMENSIONS (DO NOT ADD OVERSIZE)**

EXISTING UNIT BRAND \_\_\_\_\_  
MODEL \_\_\_\_\_

A*	B*	C	D	J*	K*	L	M

**PLEASE FILL IN CURB DIMENSIONS "A" THROUGH "J" AND NOTE RETURN AND SUPPLY. FEEL FREE TO CALL (1-888-234-7001) WITH ANY QUESTIONS**

**PLEASE FILL IN CURB DIMENSIONS "J" THROUGH "S" AND NOTE RETURN AND SUPPLY. FEEL FREE TO CALL (1-888-234-7001) WITH ANY QUESTIONS**

**Please also note the following information**

- Note any obstructions near the existing curb (E.X. Wall, Other units, Hoods, etc)
- Note any height restrictions.
- Note existing curb height.

APPROVALS	DATE	CDI EXISTING CURB VERIFICATION

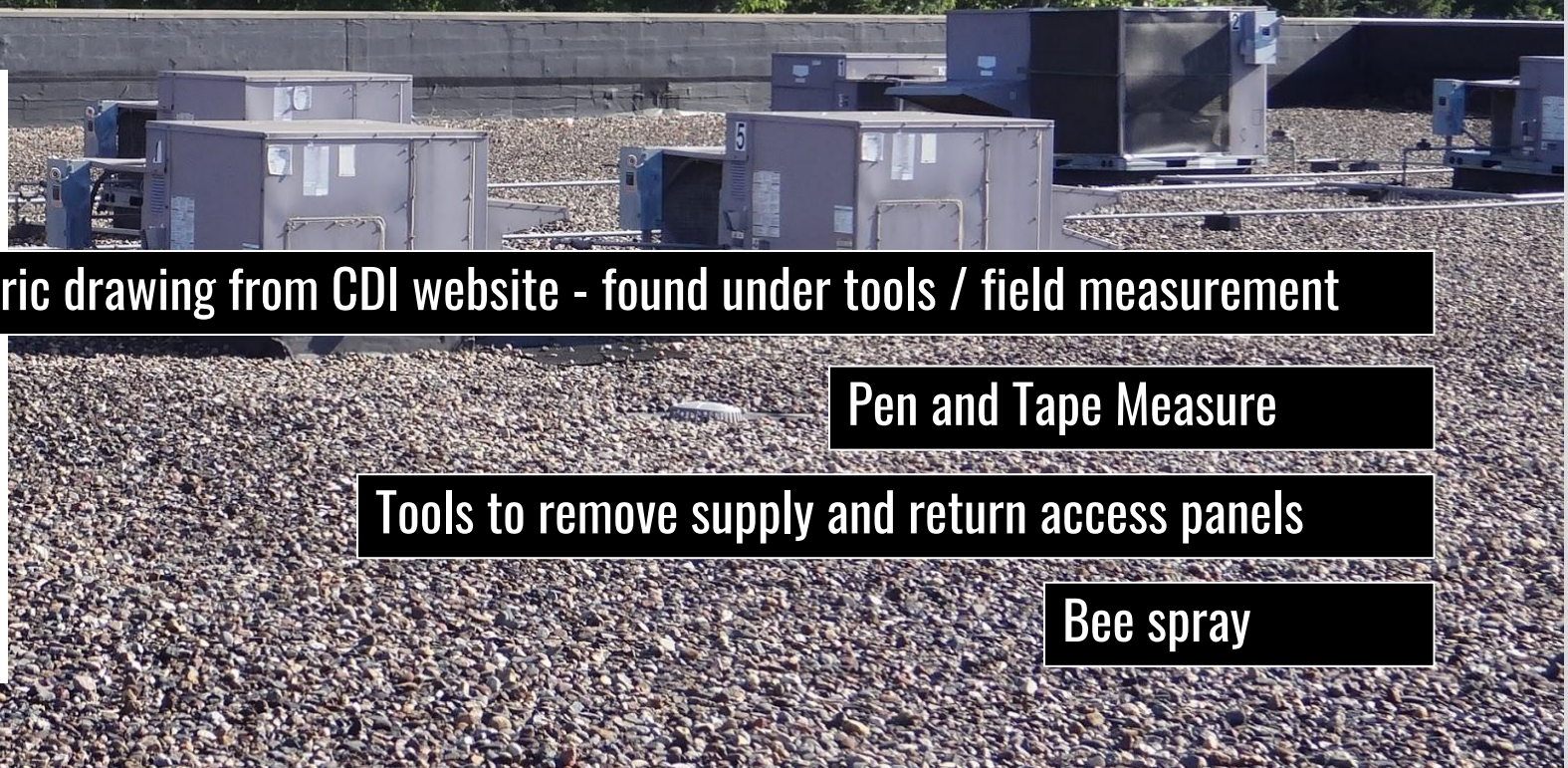
CDI 1706 TYLER ST MINNAPOLIS, MN 55425  
9999 REV5 05  
SCALE: 1:16 DRAWN: T. ...

Generic drawing from CDI website - found under tools / field measurement

Pen and Tape Measure

Tools to remove supply and return access panels

Bee spray



# Before you go to the jobsite



RHEEM AIR CONDITIONING DIVISION  
FORT SMITH, ARKANSAS

OUTDOOR USE  
MADE IN THE USA

MODEL NO. / MODELE: RKKA-A036CK12E SERIAL NO. / NUMERO DE SERIE: 1R5620ADAAAF170412456

OPTION CODE / CODE D'OPTION: MFG. DATE / DATE DE FABRICATION: 04 / 2004

POWER SUPPLY/SOURCE D'ALIMENTATION: 208/230 VOLTS 3 PH. 60 HZ  
COMPRESSOR (EACH)(CHAQUE) COMPRESSEUR: 208/230 VOLTS 3 PH. 12.4 RLA 88 LRA

OUTDOOR FAN (EACH)(CHAQUE) VENTILATEUR EXTERNE: 208/230 VOLTS 1 PH. 2.0 FLA 1/3(.25) HP(KW)

INDOOR BLOWER / SOUFFLEUR INTERNE: 208/230 VOLTS 1 PH. 3.0 FLA 1/2(.37) HP(KW)

DESIGN PRESSURE: 300 PSIG (2068 kPa) HIGH SIDE, 150 PSIG (1034 kPa) LOW SIDE  
PRESSION DE CALCUL: 300 PSIG (2068 kPa) HAUTE, 150 PSIG (1034 kPa) BASSE

FACTORY CHARGE /CHARGE A L'USINE: 72(2.04) OZ(KG) R22 (EA. CKT)/(CHAQUE CIRCUIT)  
MIN. CIRCUIT AMPACITY/AMPACITY DE CIRCUIT MIN.: 21.0 AMPS

MAX. FUSE OR CKT. BKR. SIZE (CKT. BKR. MUST BE HACR TYPE FOR USA) / DIMENSIONS DU DISJONCTEUR A MAXIMA: 30 AMPS

RATED HEATING INPUT / PUISSANCE ENTREE CHAUFFAGE NOMINALE: 120,000(35.17) BTU/HR(KW)

MINIMUM HEATING INPUT / PUISSANCE ENTREE CHAUFFAGE MINIMUM: 97,000(28.43) BTU/HR(KW)

OUTPUT CAPACITY/PUISSANCE DEBIT: 81 BTU/HR(KW)

THERMAL EFFICIENCY/RENDIMENT THERMIQUE: 81

FACTORY EQUIPPED FOR/EQUIPE A L'USINE POUR: NATURAL GAS/GAZ NATUREL

ORIFICE SIZE/INJECTEUR: #45 DMS

MANIFOLD PRESSURE/PRESSION TUYAVERIE: #45 DMS

NATURAL GAS/GAZ NATUREL: 3.5 (875) IN. W.C. (kPa)/PO CE (kPa)  
PROPANE/PROPANE: 10.0 (2.49) IN. W.C. (kPa)/PO CE (kPa)

GAS SUPPLY PRESSURE/PRESSION ALIMENTATION GAZ: NATURAL GAS/GAZ NATUREL: 5.0-10.5(1.24-2.61) IN. W.C. (kPa)/PO CE (kPa)  
PROPANE/PROPANE: 11.0-19.0(2.72-3.23) IN. W.C. (kPa)/PO CE (kPa)

TEMPERATURE RISE/MONTEE DE TEMPERATURE: 50-80(28-44) °F(°C)

MAX. EXTERNAL STATIC PRESSURE / PRESSION STATIQUE EXTERIEURE MAX.: .50(.12) IN. W.C. (kPa)/PO CE (kPa)

DESIGN MAXIMUM OUTLET AIR TEMPERATURE / TEMP. MAX. D'AIR SORTANT: 180(82.2) °F(°C)

LIMIT SETTING/LIMITE COUPE-CIRCUIT A: 190(87.8) °F(°C)

ANY LIMIT SETTING/LE COUPE-CIRCUIT AUXILIAIRE: 200(93.3) °F(°C)

MINIMUM OUTDOOR AMBIENT TEMPERATURE / TEMPERATURE AMBIANTE EXTERIEURE MINIMUM: -40 (-40) °F(°C)

THIS APPLIANCE EQUIPPED FOR ALTITUDES/CE APPAREIL EST EQUIPE POUR DES ALTITUDES COMPRESSES ENTRE: 0-2000(0-610) FT. (M)/PIEDS(M)

MINIMUM CLEARANCES/DEGAGEMENT MINIMUM - IN. (M)/PO(M):

FRONT (CONTROLS) / DEVANT(COMMANDES)	RIGHT SIDE / COTE DROIT	LEFT SIDE / COTE GAUCHE	BACK / ARRIERE	TOP / DESSUS
48(1.22)	18(.46)	36(.91)	12(.30)	60(1.52)

REPRODUCTION POUR INSTALLATION A L'EXTERIEUR SEULEMENT. 92-23634-05

**Be sure to arrange rooftop access**

**Obtain clear instructions for which RTU is being replaced**

**You'll need the RTU number or the model number of the existing unit**



**Before you begin to measure**

**Visually inspect the RTU for any safety issues**

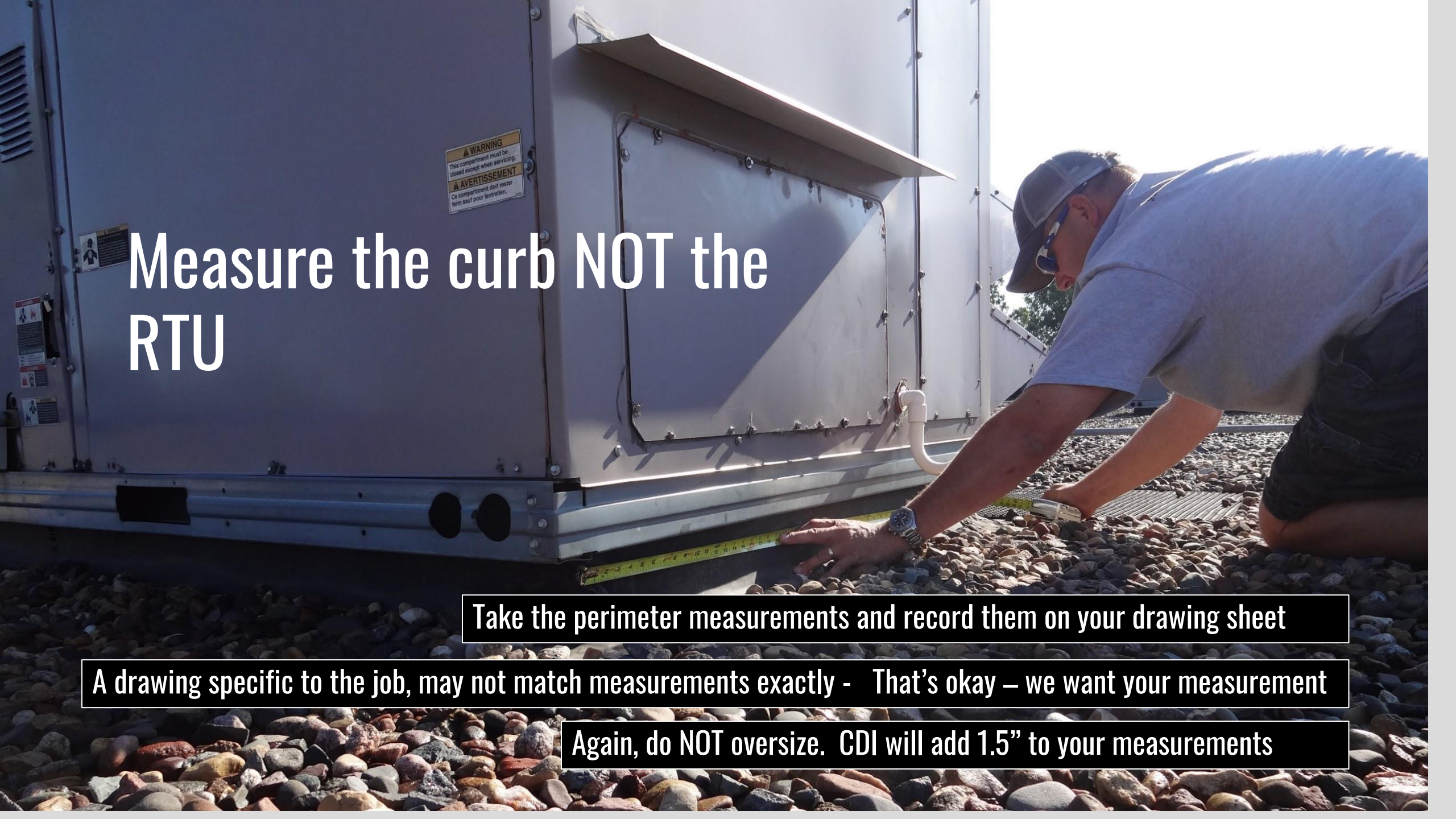
**This is when bee spray may come in handy**

# Measuring



The measurement should be taken as close as possible to the TOP of the existing roof curb

Do NOT oversize your measurements – CDI will add 1.5" to your dimensions

A technician wearing a grey t-shirt, a baseball cap, and safety glasses is kneeling on a gravel pad. He is using a yellow measuring tape to measure the base of a large, grey metal RTU (Refrigerated Tank Unit) cabinet. The cabinet has a warning label that reads: "WARNING This compartment must be closed except when servicing. AVERTISSEMENT Ce compartiment doit rester fermé sauf pour l'entretien." The technician is focused on his work, and the scene is brightly lit, suggesting a sunny day.

# Measure the curb NOT the RTU

Take the perimeter measurements and record them on your drawing sheet

A drawing specific to the job, may not match measurements exactly - That's okay – we want your measurement

Again, do NOT oversize. CDI will add 1.5" to your measurements

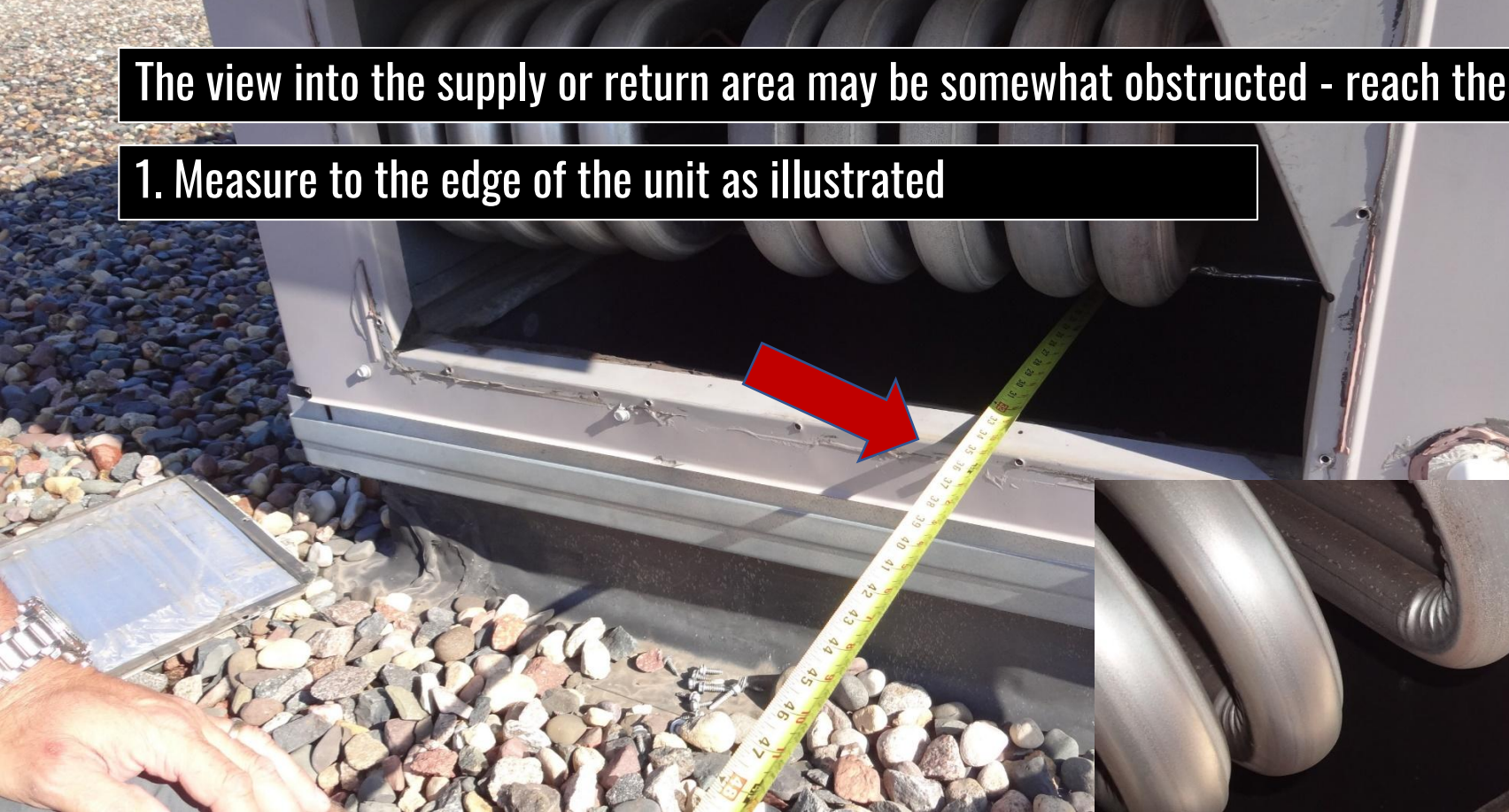
# Measure supply and return

Identify supply and return areas and remove access panels



The view into the supply or return area may be somewhat obstructed - reach the tape to the back of the supply area

1. Measure to the edge of the unit as illustrated



2. Measure the amount the unit hangs over the base and subtract from your first measurement

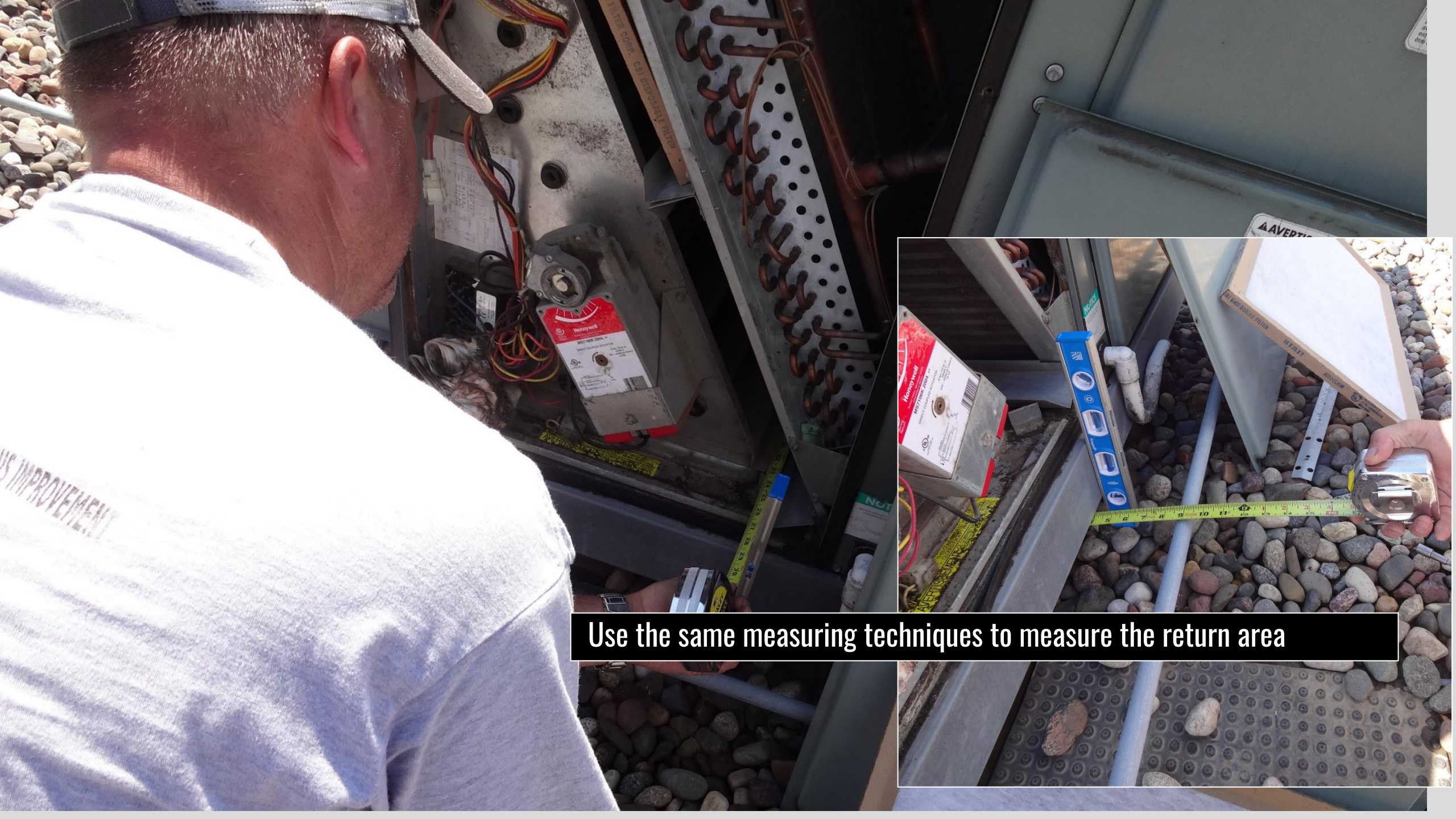


3. Record the difference on your sheet

4. Apply the same method to measure the opposite direction of the supply area





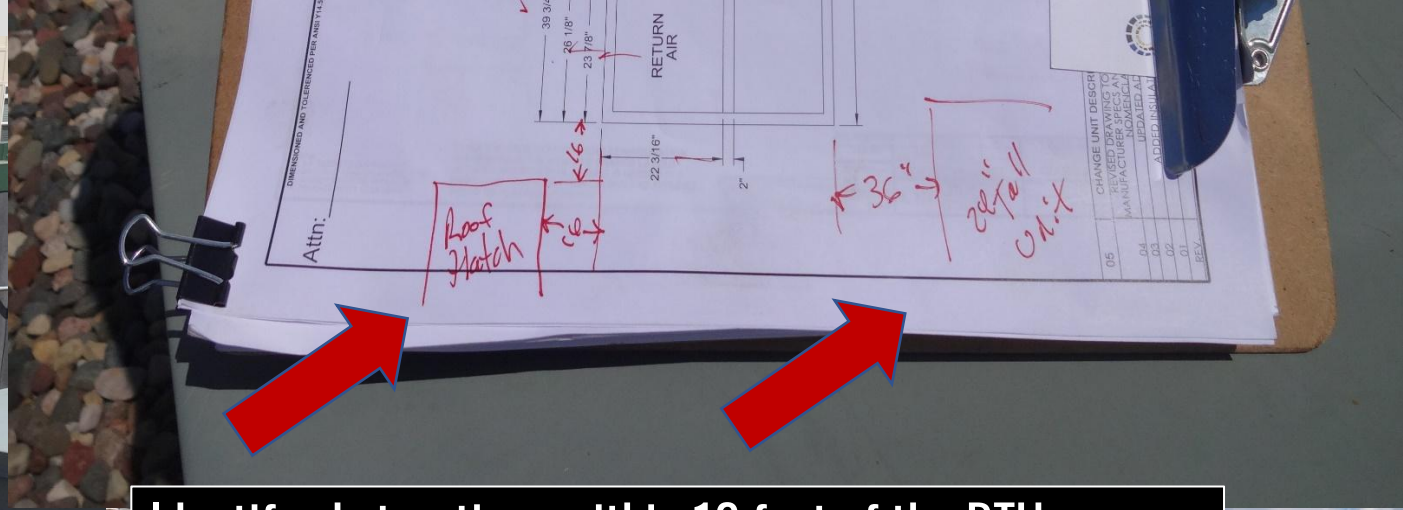


**Use the same measuring techniques to measure the return area**

# Replace access panels

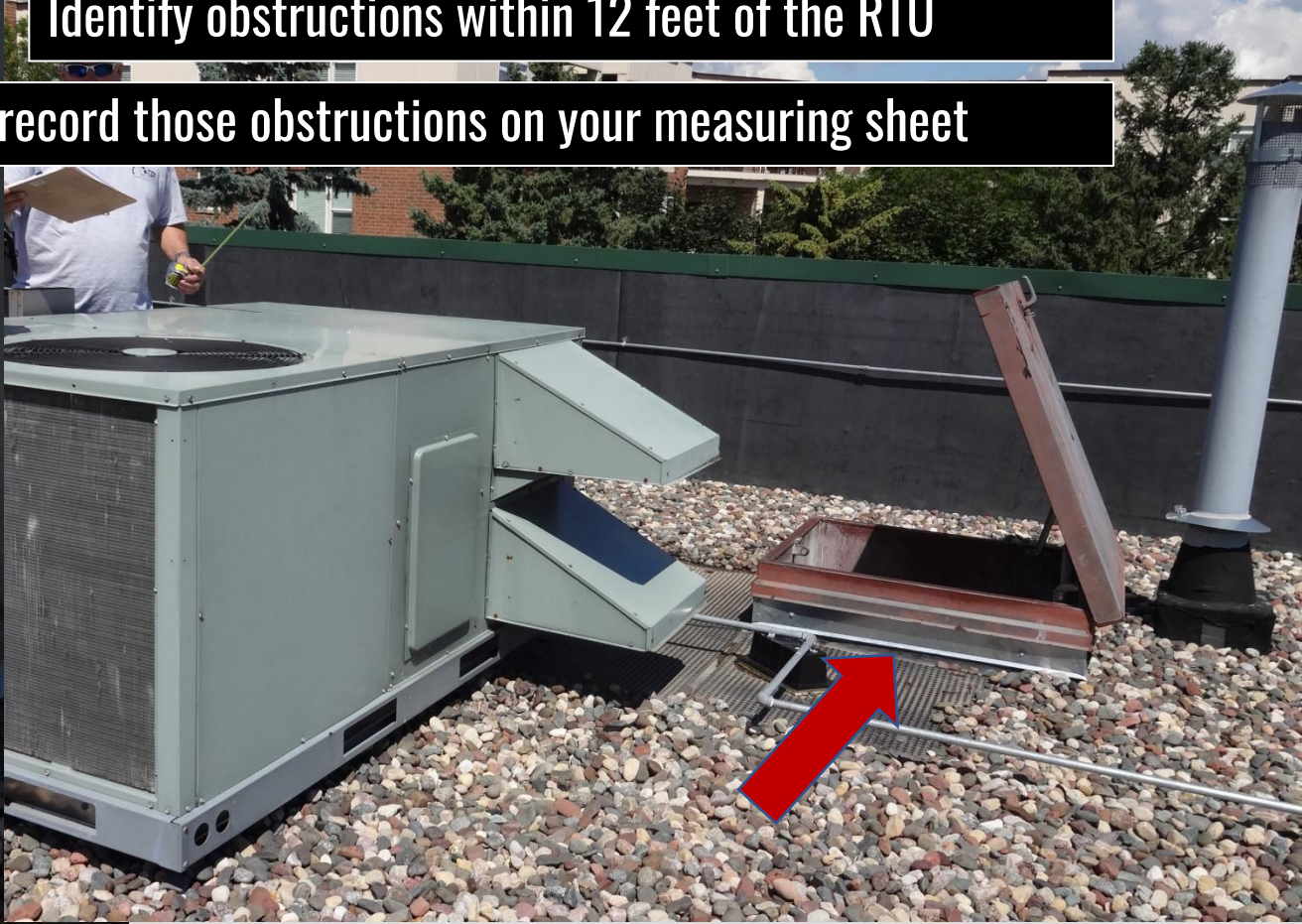


# Obstructions

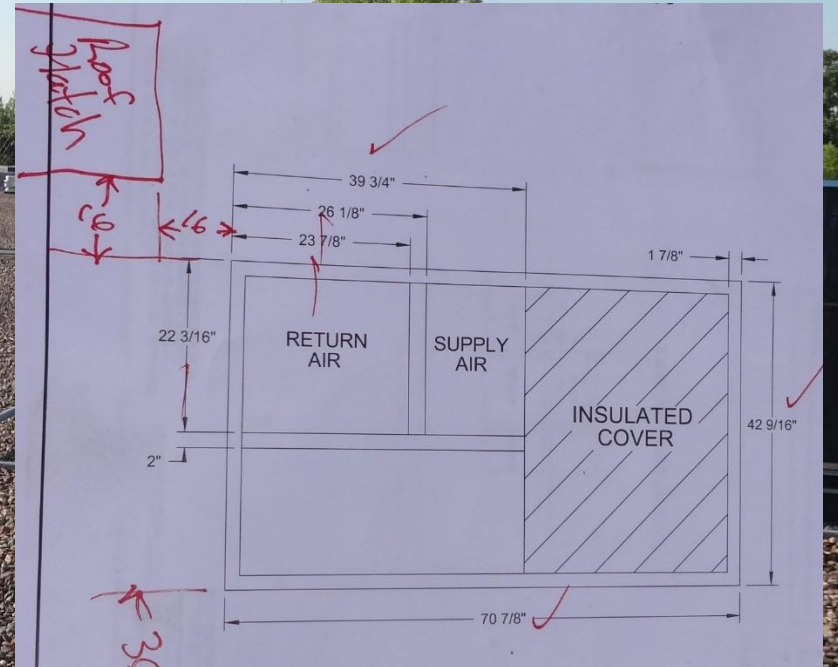


Identify obstructions within 12 feet of the RTU

Measure and record those obstructions on your measuring sheet



# Completed measurements



When the measure is complete, return it to your distributor

