







WHAT ARE BLUEPRINTS?

As per the Oxford Dictionary:
 Blueprints: a design plan or other technical drawing.

Fun fact: Why are they called blueprints? The word blueprint originated in the mid-nineteenth century when engineering drawings were printed on blue paper with white lines.





HOW TO INTERPRET BLUEPRINTS: LEGENDS

	1	HVAC SYMBOLS
	SYMBOL	DESCRIPTION
		DUCT SECTION, SUPPLY AIR UP
egends contain symbols necessary for		DUCT SECTION, RETURN AIR UP
ading blueprints. Understanding what		DUCT SECTION, EXHAUST AIR UP
ach symbol means will be necessary	(CEEC)	DUCT SECTION, SUPPLY AIR DN
or determining direction of ductwork		DUCT SECTION, RETURN AIR DN
reconstruction within the system points of		DUCT SECTION, EXHAUST AIR DN
cessories within the system, points of		FLEXIBLE DUCT
striction (turning vanes, reheat coils,	-	FIRE AND SMOKE DAMPER
c.) and determining what exactly you	- L.	FIRE DAWPER
e looking at when building your bid	-	DIRECTION OF FLOW
executing the work at hand	8 L	MANUAL VOLUME DAMPER
exceeding the work at hand.		WALL SUPPLY OUTLET, RETURN GRILLE
		CEILING DIFFUSER
	Ø	CEILING RETURN
	۵	CEILING EXHAUST
		DUCT SMOKE DETECTOR





TOP SECRET!



- Fun Fact:
- Canadian drones have been giving it to America for years! They are called Canadian Geese!
 You shoot them with a single foot shortgun and we
- You shoot them with a single shot shotgun, and we send them over by the millions every year!
 We can do this ALL-NIGHT LONG BABY!

10



11

HOW TO INTERPRET BLUEPRINTS: SCHEDULES OF EQUIPMENT

Section within the blueprints which lays out all HVAC Equipment for a building. It will list the make, model and product specifics which are required to provide air flow to the space. Please note that many schedules of equipment are as per the Engineer's requirements but what gets installed may vary depending on availability of the product and different makes and models may be approved by the Engineer or the Site Supervisor. These variations in equipment usually do not impact a cleaning project but good to know should the make and model not match up when you are performing your work.

		AIF	AH F	NDLI	NG U	NIT SC	HEDUL	E		
UNIT I		AREA SERVED	SUPPLY FAN NO.	CFM [1/s]		EXTERNAL STATIC	SPECIFIED	UNSPECIFIED INTERNAL	FAN TOTAL	TYPE
	LUCASUN			SUPPLY	0A	(NOTE 1) IN[mm]	(NOTE 2) IN[mm]	(NOTE 3) IN[mm]	(NOTE 4) IN[mm]	SYSTEM
1-445	2nd FLOOR	SURGERY	1-SF5	20,000 [9439]	20,000 [9439]	2.5 [63.5]	2.0 [50]	1.0 [25]	5.5 [140]	VAN

- 1, EXTERNAL STATIC PRESSURE REQUIRED AT DUCT CONNECTIONS TO INLET & OUTLET OF ANU, MOSUREMENTS SHALL BE TAKEN WITHIN 3 FT. [1.0 M] OF INLET AND OUTLET AT A POINT OF MAX. ADDUNICT.
- YOTE, O' HAL, MESSING, BOOS, MI CANTONITA HICH ARE SECTION STANAUTLY, K., PHILTIDEL, MITE TITER, RAMOR & COMBOLIS, SIMILAR HALL, MA SOMA TAMANTAR.
 ANTERNI, LOS ALIGNARS, BALL, BALCIDE, LOSES DAT. DI DIFINIZI E AL CANTON BOOS, DIFUER STOLES LIGNARS, PHIL DIFUER FALSI BALCIDEL COSSES DE TO PHILE: TO PHILTIPE CONVETT INN DISCURSE VALORITY RESSING: DI SIATO MESSING, FAN HELT CONDITION, GANNEL, MINETER, TEL.
- 4. TOX: HN 5.F. DITEMU STAR: FRESHET: SECRED ATTEMU DOSS: 1 UNERCHID INTERNE DOSS. MUNARCUMENT SHALL PROPER SHAFTING SHOWER ACTURE DOSS OF AL DOMENT FRENCES. HETER 10 - MN SCHEDUL FOR ADDRESS. TAXING SHOWER ACTURE DOSENDE FOR ADDRESS FRESHER SHAFTING ACTION SHOWER ACTURE DOSENDERS. TCC. HITER FOR ADDRESS FRESHER SHAFTING ACTION SHOWER ACTURES, DOSENDERS, TCC. HITER FOR ADDRESS FRESHER FOR ADDRESS FRESHER, MUTATION SHAFTING, TCC. HITER FOR ADDRESS FRESHER FOR ADDRESS FRESHER, MUTATION SHAFTING, TCC. HITER FOR ADDRESS FRESHER FOR ADDRESS FRESHER, MUTATION SHAFTING HISTORY MUTATION FOR ADDRESS FRESHER FRESH, MUTATION SHAFTING HISTORY WHITE, TCC. HITER FOR ADDRESS FOR ADDRESS FRESHER FRESH, MUTATION SHAFTING HISTORY WHITE, TO FOR ADDRESS FOR ADDRESS FRESHER FRESH, MUTATION SHAFTING HISTORY WHITE, TO FOR ADDRESS FOR ADDRESS FRESHER FRESH, MUTATION SHAFTING HISTORY WHITE, TO FOR ADDRESS FOR ADDRESS FRESHER FRESH, MUTATION SHAFTING HISTORY WHITE, TO FOR ADDRESS FOR ADDRESS FOR ADDRESS FRESHER FRESH, MUTATION SHAFTING HISTORY WHITE, TO FOR ADDRESS FOR ADDRESS













- Generally, specifications will be a separate document. It should have details pertaining to the level of cleaning, engineering controls and execution of the work to be performed. Sometimes it can be several pages and other specifications we may be lucky to get one line! Do not be afraid to ask for one if one is not provided!
 This information is instrumental in understanding what is expected from your company and what the customer can expect to see for results. Be careful, some specifications may not be obtainable, so make sure to read carefully and understand what is being requested. Ask questions and get clarification!

HOW TO INTERPRET BLUEPRINTS: NO SPECIFICATION......NO PROBLEM

- What to do if there isn't a Specification? Refer to our General Specification which you can send to your client and work with them to create a specification.
- Go to: NADCA.com
- Login to your account
- Click on: Facility Managers
- Click on: Standards & Publications
- Download the NADCA General Specification.
- Still unsure, talk with the AMAZING NADCA Staff to get this editable document to add to your resource collection!

19





SUMMARY



*Understanding blueprints

*How to interpret blueprints and the different sections is key for creating a top-notch quote or game plan to complete a project! *Get the right tools

*Blueprints are communication script (client, techs, building staff)

*A project can still be done without official blueprints, It just may take more time, so charge accordingly and create some "As-builts for future service." *Don't be afraid to ask for blueprints! It can be a way to engage the level of commitment the client may have to you and your company. Sometimes the best job is the one you didn't get!





Thank You for Participating!