

QSA GLOBAL



OPENVISION DX

Inspect large amounts of piping in environments such as refineries and petrochemical plants onshore and offshore in a fraction of the time.



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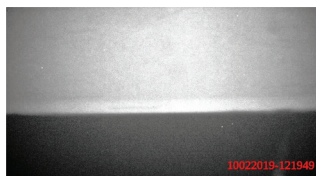
WHY OPENVISION.

RUGGED AND RELIABLE. A rugged aluminum and carbon fiber c-arm house a robust x-ray source, controller, battery, and a CMOS imager. Battery life is 3+ hours of operation and data is securely stored on the internal hard drive or remote tablet.

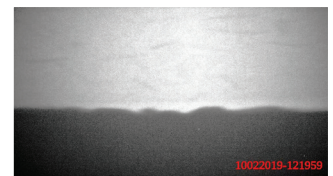
MINIMIZE MISSED CALLS. High resolution live digital video allows operators to minimize missed calls. Direct download of high-resolution images and videos provide quick transfer into reports for rapid reporting.

ACCESS TIGHT SPACES. A 30% thinner imager and a repositionable c-arm increases access to tight spaces.

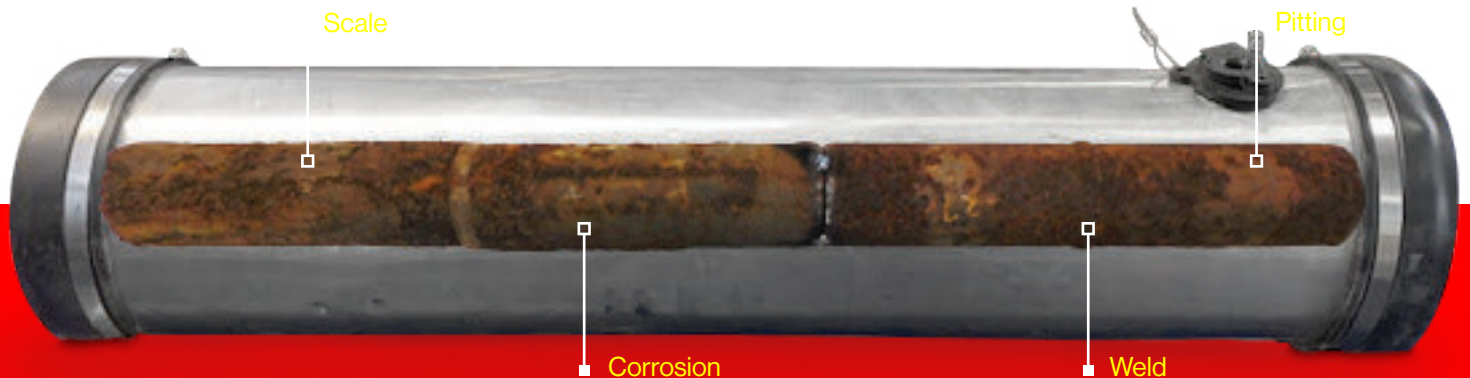
MAXIMIZE PROBABILITY OF DETECTION. New ergonomic features support multiple configurations to facilitate both vertical and horizontal inspections at various heights, enable access to tighter spaces, and lessen operator fatigue.



Scale

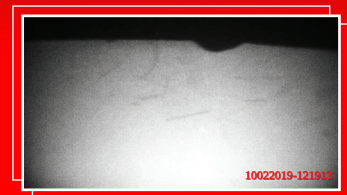
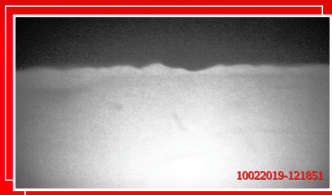


Pitting



Corrosion

Weld





CAPTURE DEFECTS

A patent-pending combination of a c-arm, mounted 70 kV x-ray source, and digital imager allows you to observe external defects as small as 0.010-inch (250 micron) on insulated piping. Record high-resolution still images and video directly onto OpenVision DX's internal storage or remotely from the wireless monitor. Review images and videos in real time or download for integration into client reports.



RUGGED TABLET



PIRATE EYE

SPECIFICATIONS

WEIGHT

C-Arm 15 lb (6.8 kg)

Shipping Weight 50 lb (23 kg)

STARTUP/SHUTDOWN

Startup ~30 sec

TEMPERATURE

Operating -20 to 120 °F (-29 to 49 °C)

X-RAY OUTPUT AT 12 in (30.5 cm)

	Voltage kV	Current mA	Output R/hr (Sv/hr)
Low	40	0.300	50 (0.5)
High	70	0.171	95 (0.95)

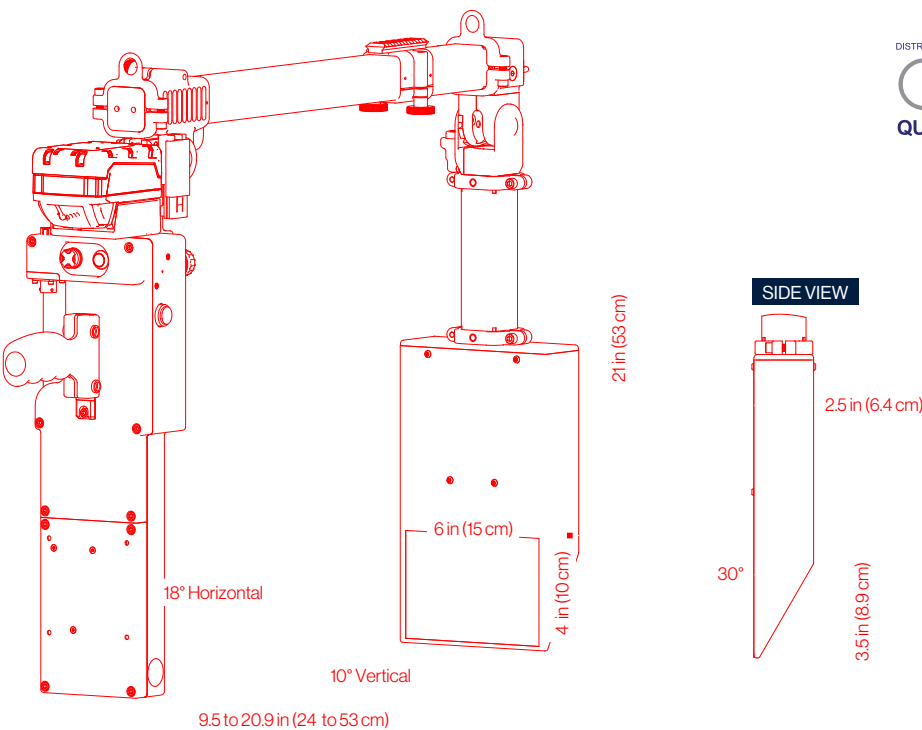
IMAGE RESOLUTION

BATTERY LIFE (5 Ah Battery)

DISPLAY OPTIONS

RECORDING CAPABILITIES

STANDARDS



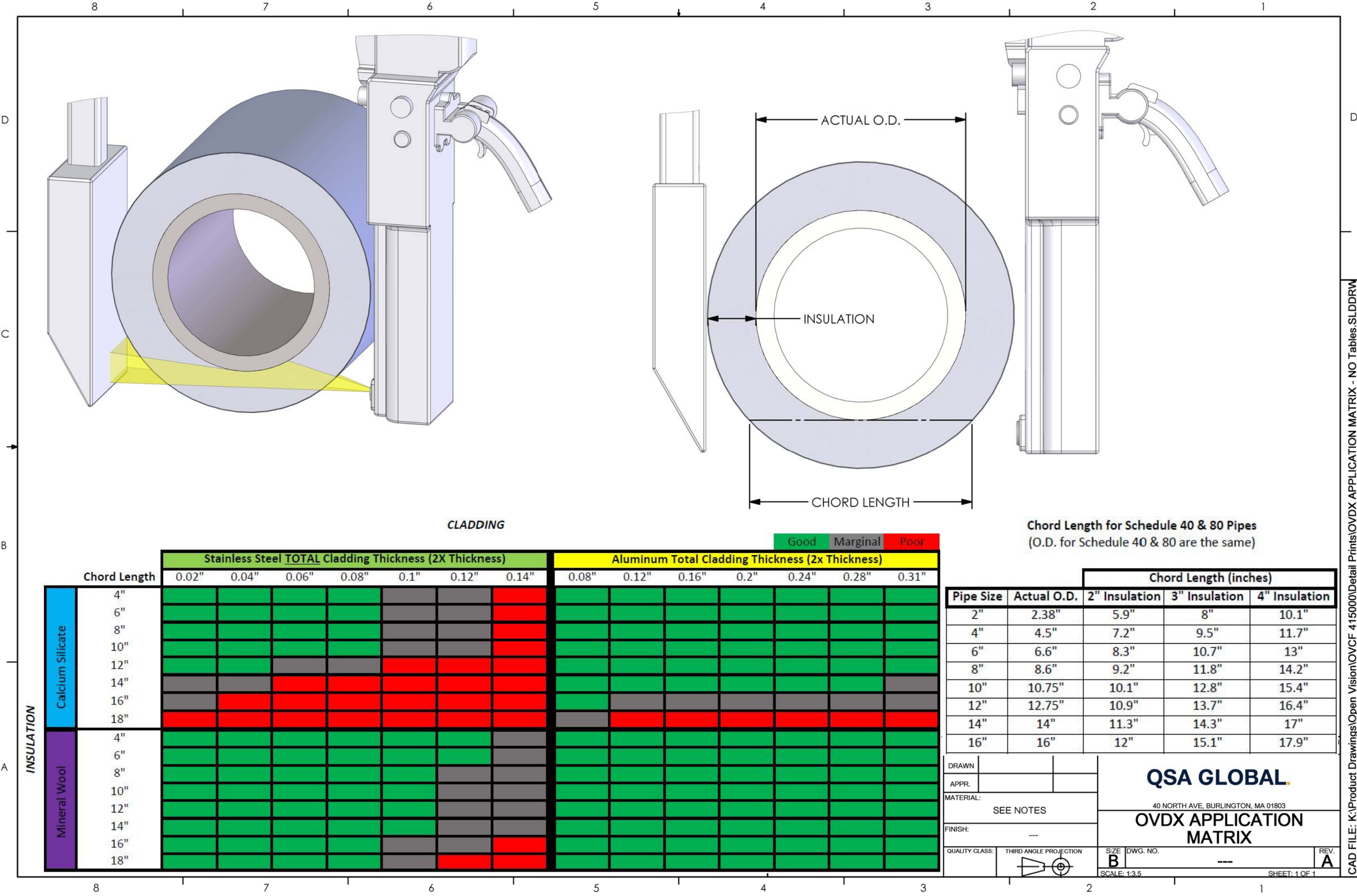
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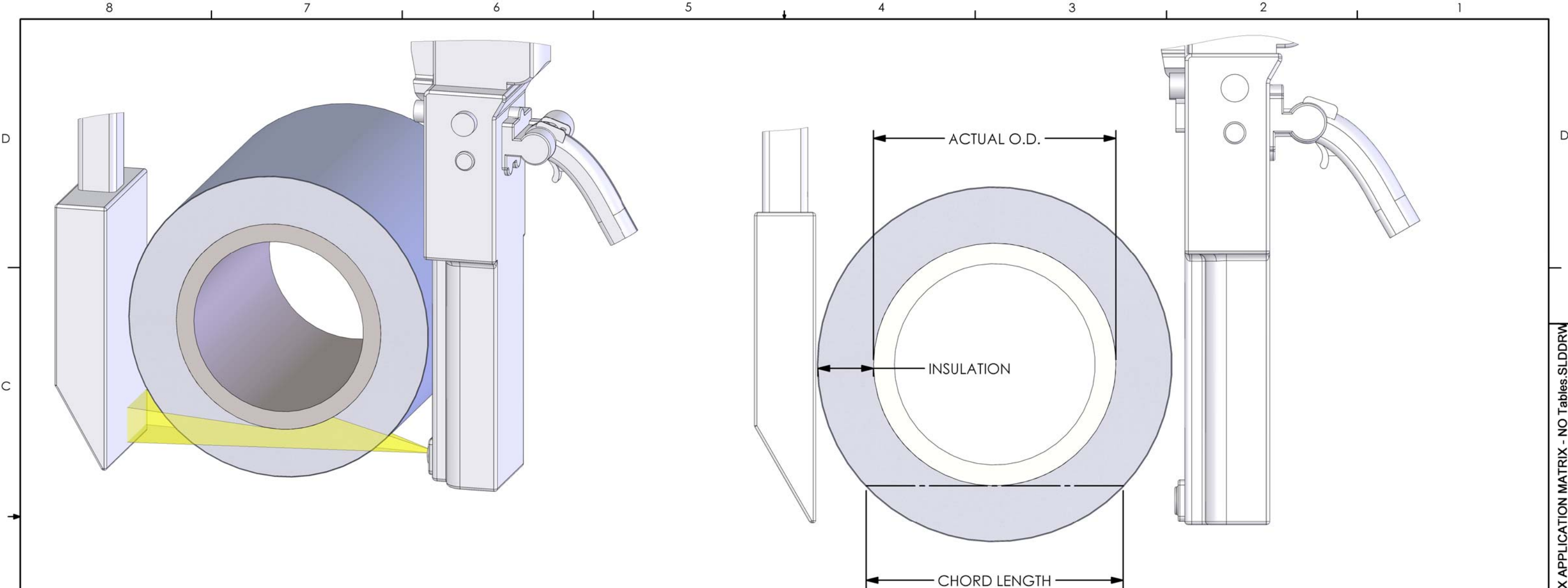
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BRO-025 FEB2020





CLADDING

Good Marginal Poor

Chord Length for Schedule 40 & 80 Pipes
(O.D. for Schedule 40 & 80 are the same)

		Stainless Steel TOTAL Cladding Thickness (2X Thickness)							Aluminum Total Cladding Thickness (2x Thickness)						
		0.5 mm	1 mm	1.5 mm	2 mm	2.5 mm	3 mm	3.5 mm	2 mm	3 mm	4 mm	5 mm	6 mm	7 mm	8 mm
INSULATION	Calcium Silicate	Chord Length													
		10 cm													
		15 cm													
		20 cm													
		25 cm													
		30 cm													
		36 cm													
		41 cm													
	Mineral Wool	46 cm													
		10 cm													
		15 cm													
		20 cm													
		25 cm													
		30 cm													
		36 cm													
		41 cm													
		46 cm													

Chord Length (cm)				
Pipe Size	Actual O.D.	5 cm Insulation	7.5 cm Insulation	10 cm Insulation
5.1 (2")	6.0	15.0	20.4	25.7
10.2 (4")	11.4	18.3	24.1	29.6
15.2 (6")	16.8	21.1	27.3	33.1
20.3 (8")	21.8	23.4	30.0	36.1
25.4 (10")	27.3	25.7	32.6	39.0
30.5 (12")	32.4	27.6	34.9	41.6
35.6 (14")	35.6	28.7	36.3	43.1
40.6 (16")	40.6	30.5	38.4	45.4

DRAWN			QSA GLOBAL 40 NORTH AVE, BURLINGTON, MA 01803 OVDX APPLICATION MATRIX			
APPR.						
MATERIAL:	SEE NOTES					
FINISH:	---					
QUALITY CLASS:	THIRD ANGLE PROJECTION	SIZE B	DWG. NO. ---	REV. A		
		SCALE: 1:3.5	SHEET: 1 OF 1			