NUCCORP, INC.

Nuclear Grade Air Trap ™
(NGAT™)

Installation Pictures

US Patent No: 8,505,568
Other US and International Patent Issued
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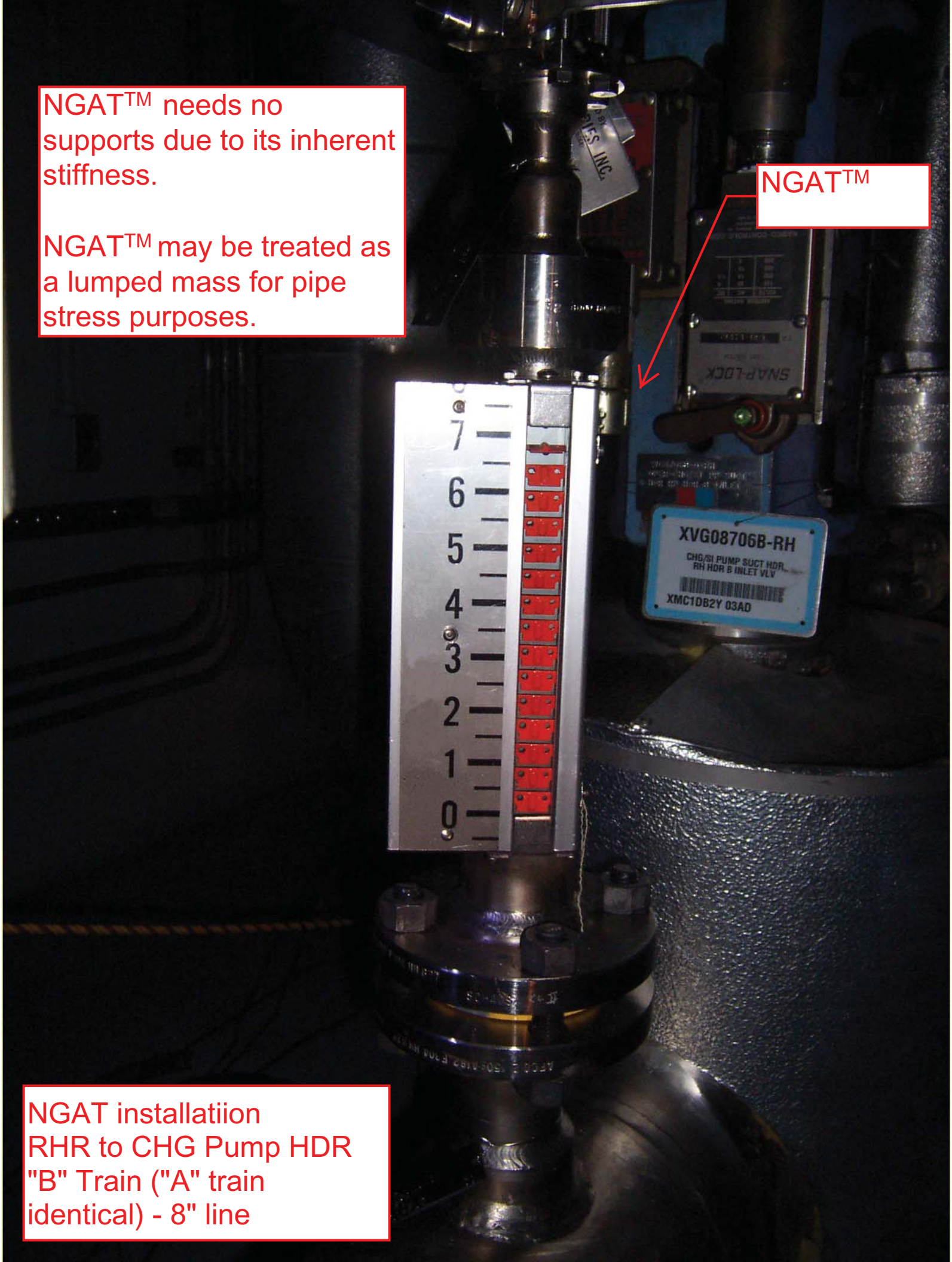
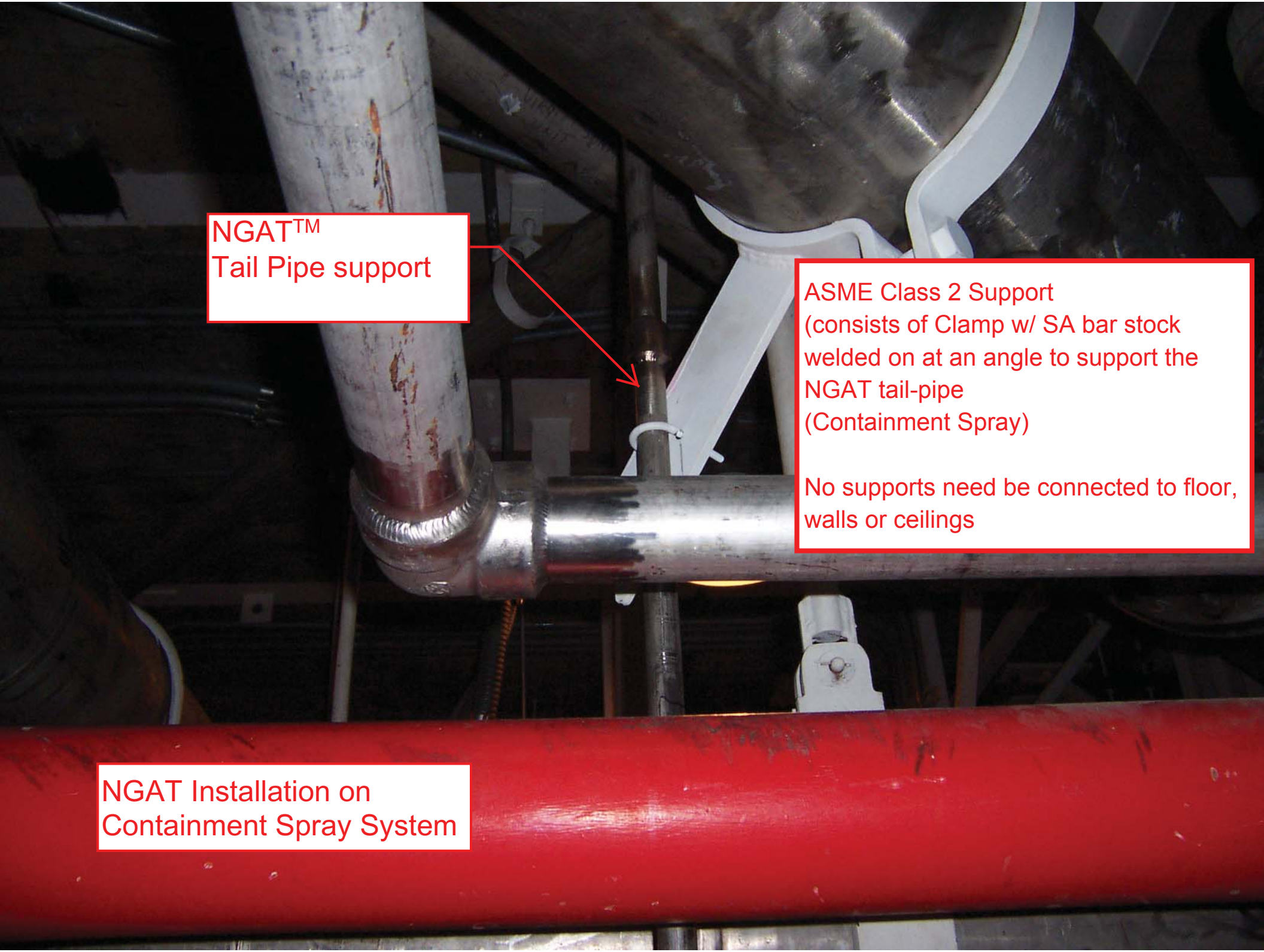
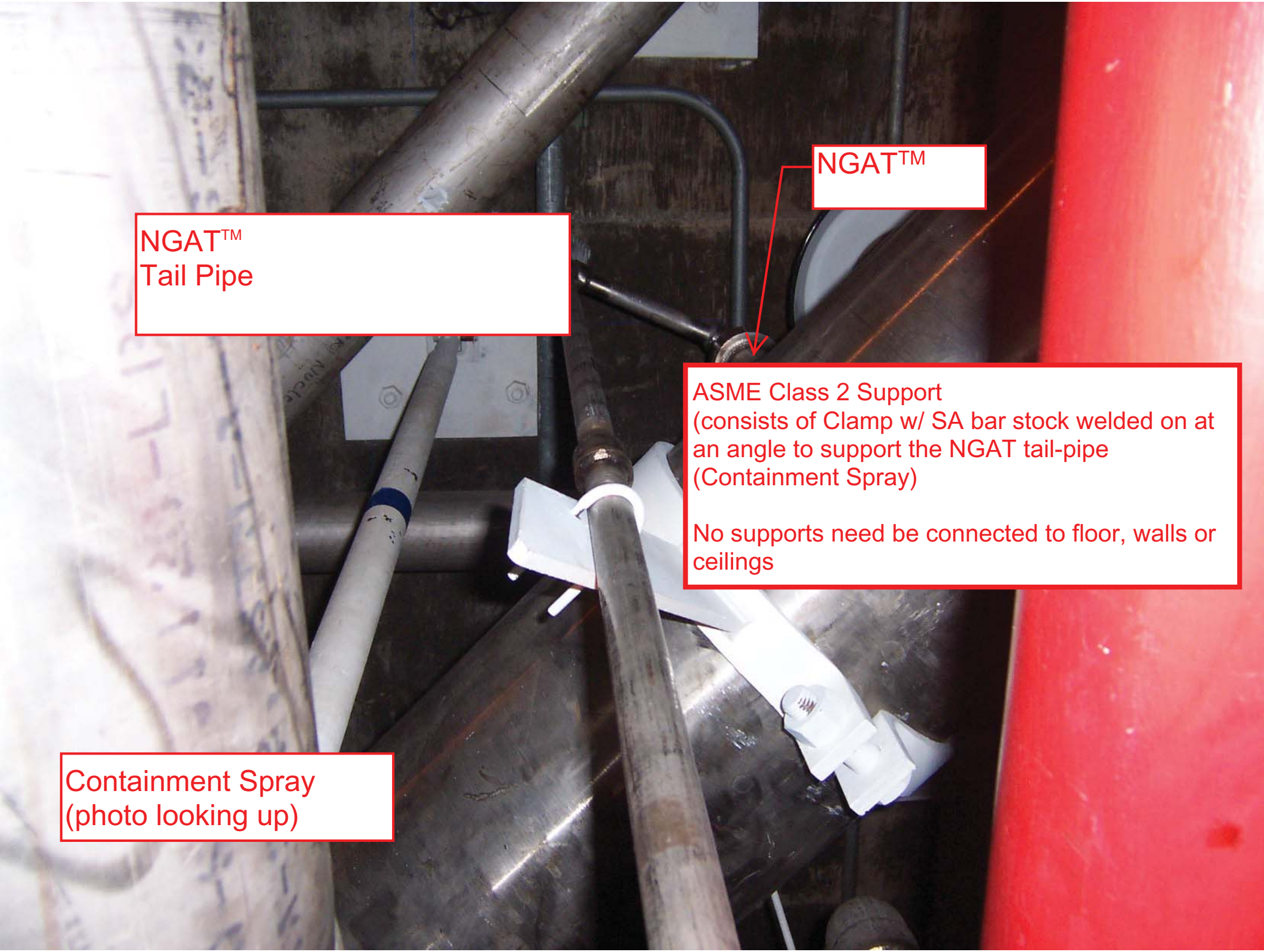
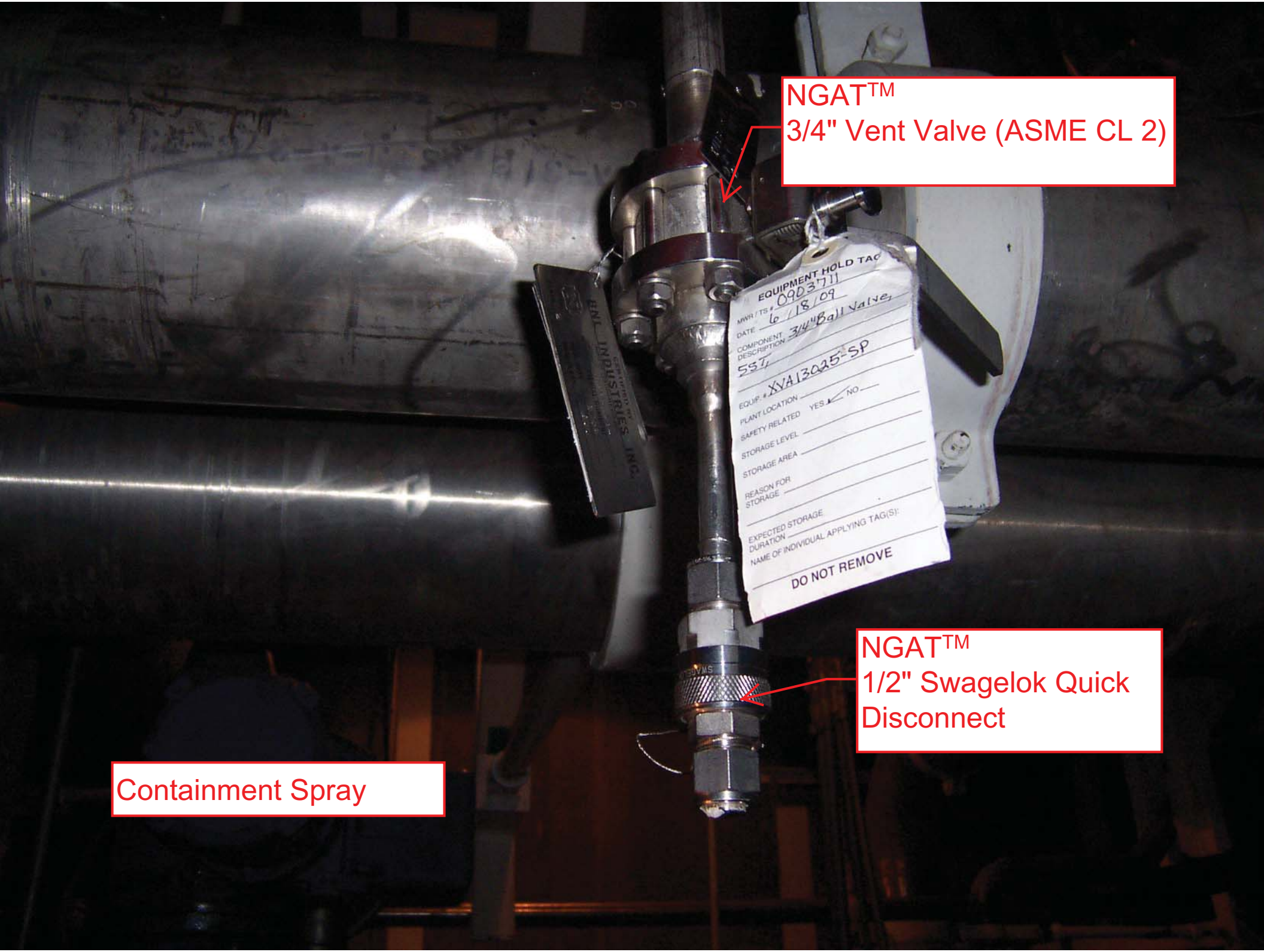
NUCCORP ● 123-B Library Hill Lane ● Lexington SC ● 29072
Tel: 803-356-0032

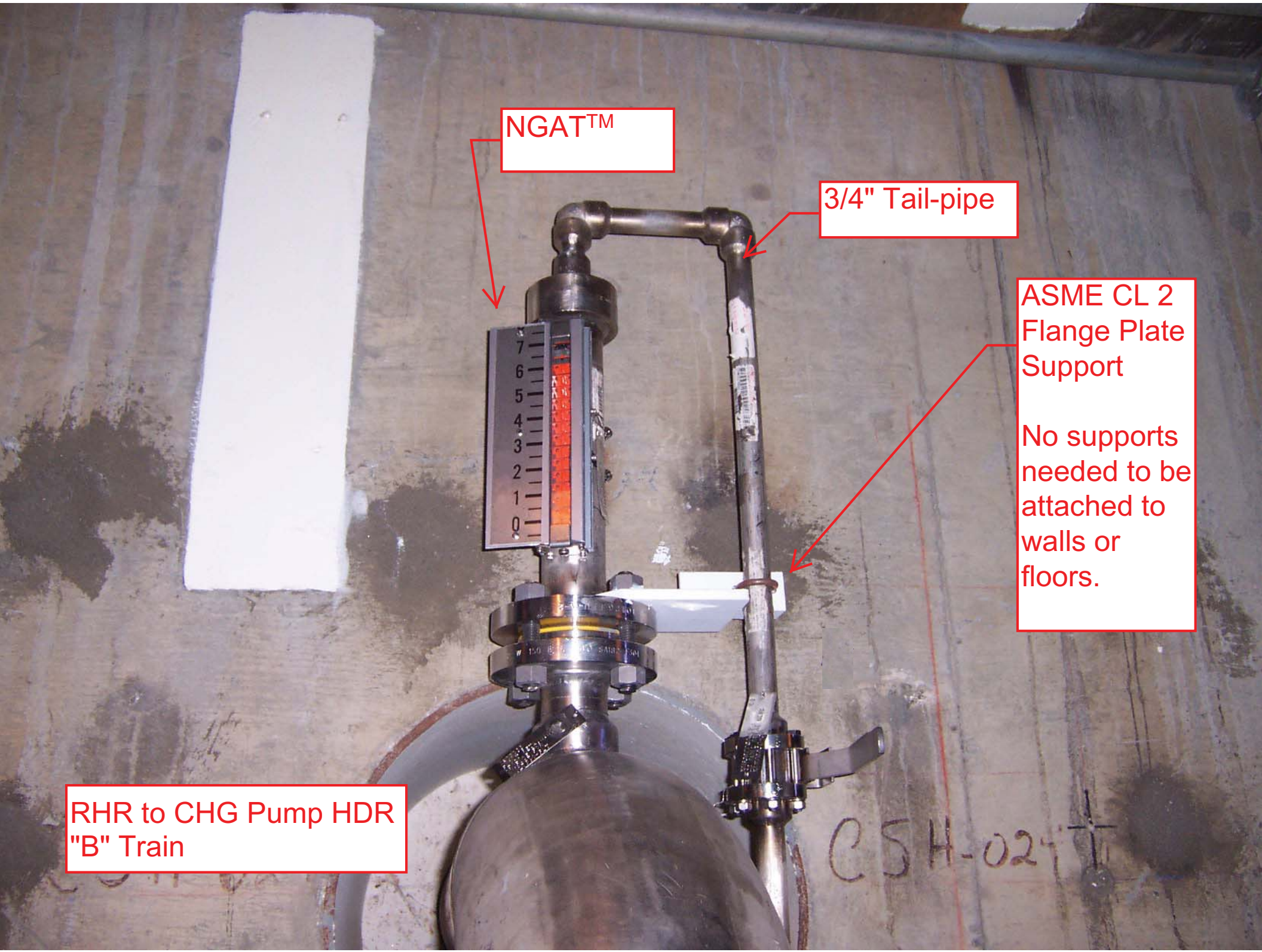

NGAT™ needs no supports due to its inherent stiffness.
NGAT™ may be treated as a lumped mass for pipe stress purposes.
NGAT™
XVG08706B-RH
CHG/SI PUMP SUCT HDR RH HDR B INLET VLV
XMC1DB2Y 03AD
NGAT installatiion RHR to CHG Pump HDR "B" Train ("A" train identical) - 8" line

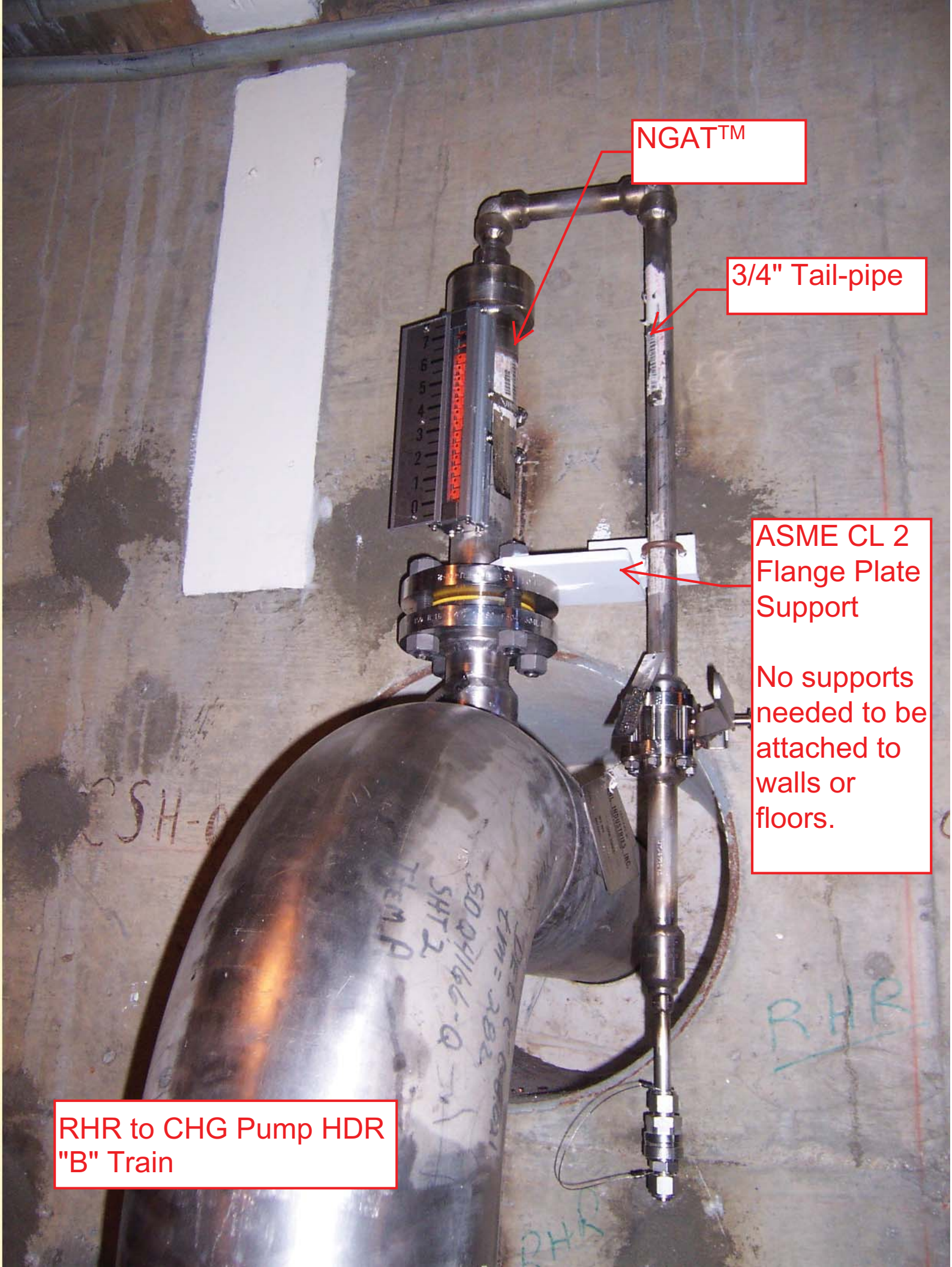

NGAT™
Tail Pipe support
ASME Class 2 Support
(consists of Clamp w/ SA bar stock welded on at an angle to support the NGAT tail-pipe
(Containment Spray)
No supports need be connected to floor, walls or ceilings
NGAT Installation on Containment Spray System


NGAT™
NGAT™
Tail Pipe
ASME Class 2 Support
(consists of Clamp w/ SA bar stock welded on at an angle to support the NGAT tail-pipe (Containment Spray)
No supports need be connected to floor, walls or ceilings
Containment Spray
(photo looking up)


NGAT™
3/4" Vent Valve (ASME CL 2)
EQUIPMENT HOLD TAG
MWR / TS # 0903711
DATE 6/18/09
COMPONENT DESCRIPTION 3/4" Ball Valve
SS
EQUIP. # XVA13025-SP
PLANT LOCATION
SAFETY RELATED YES NO
STORAGE LEVEL
STORAGE AREA
REASON FOR STORAGE
EXPECTED STORAGE DURATION
NAME OF INDIVIDUAL APPLYING TAG(S):
DO NOT REMOVE
ENL INDUSTRIES INC.
NGAT™
1/2" Swagelok Quick Disconnect
Containment Spray

NGAT™
NGAT™ Installation
Containment Spray System


NGAT™
3/4" Tail-pipe
ASME CL 2 Flange Plate Support
No supports needed to be attached to walls or floors.
RHR to CHG Pump HDR "B" Train
C5H-027


NGAT™
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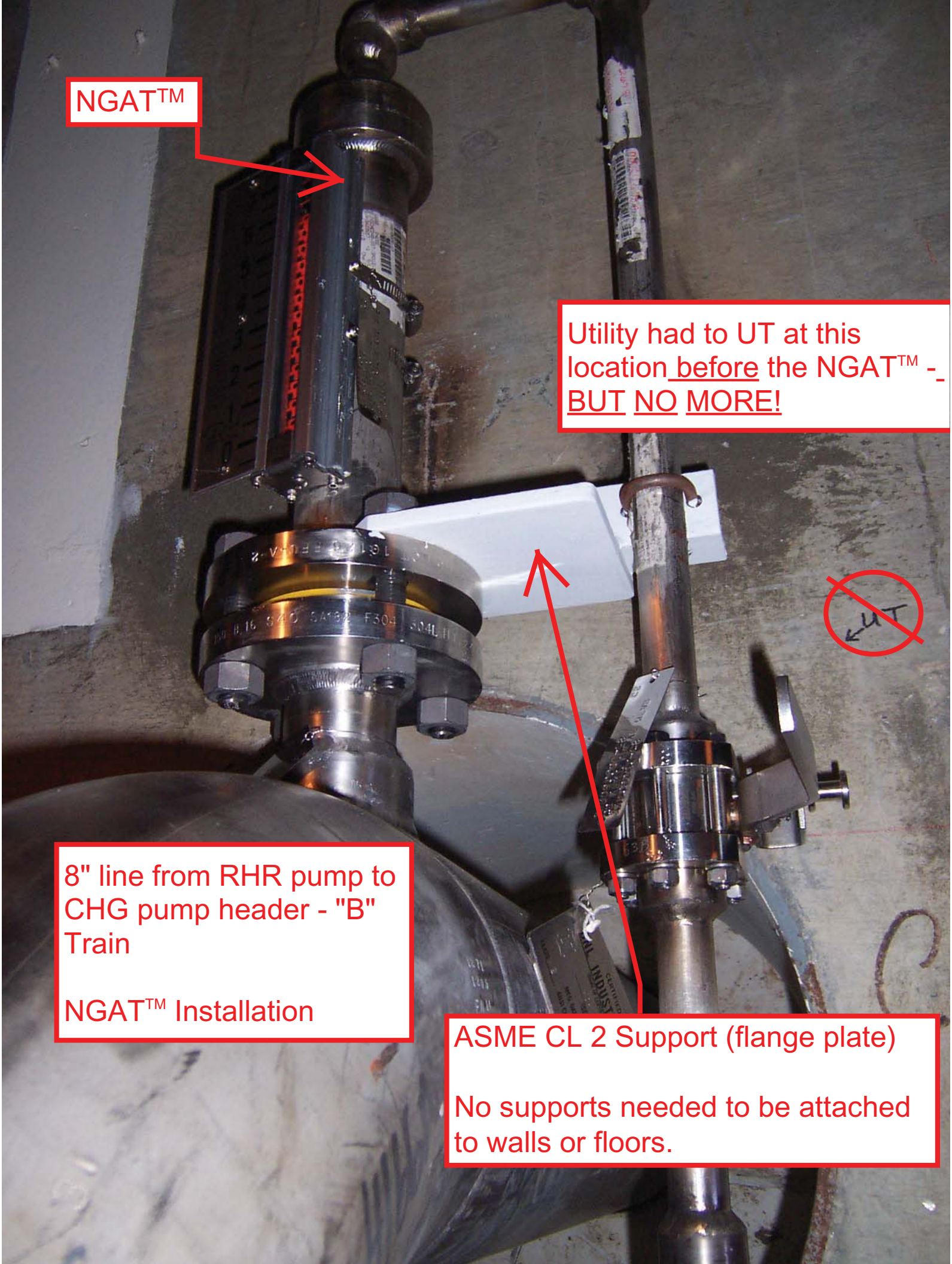
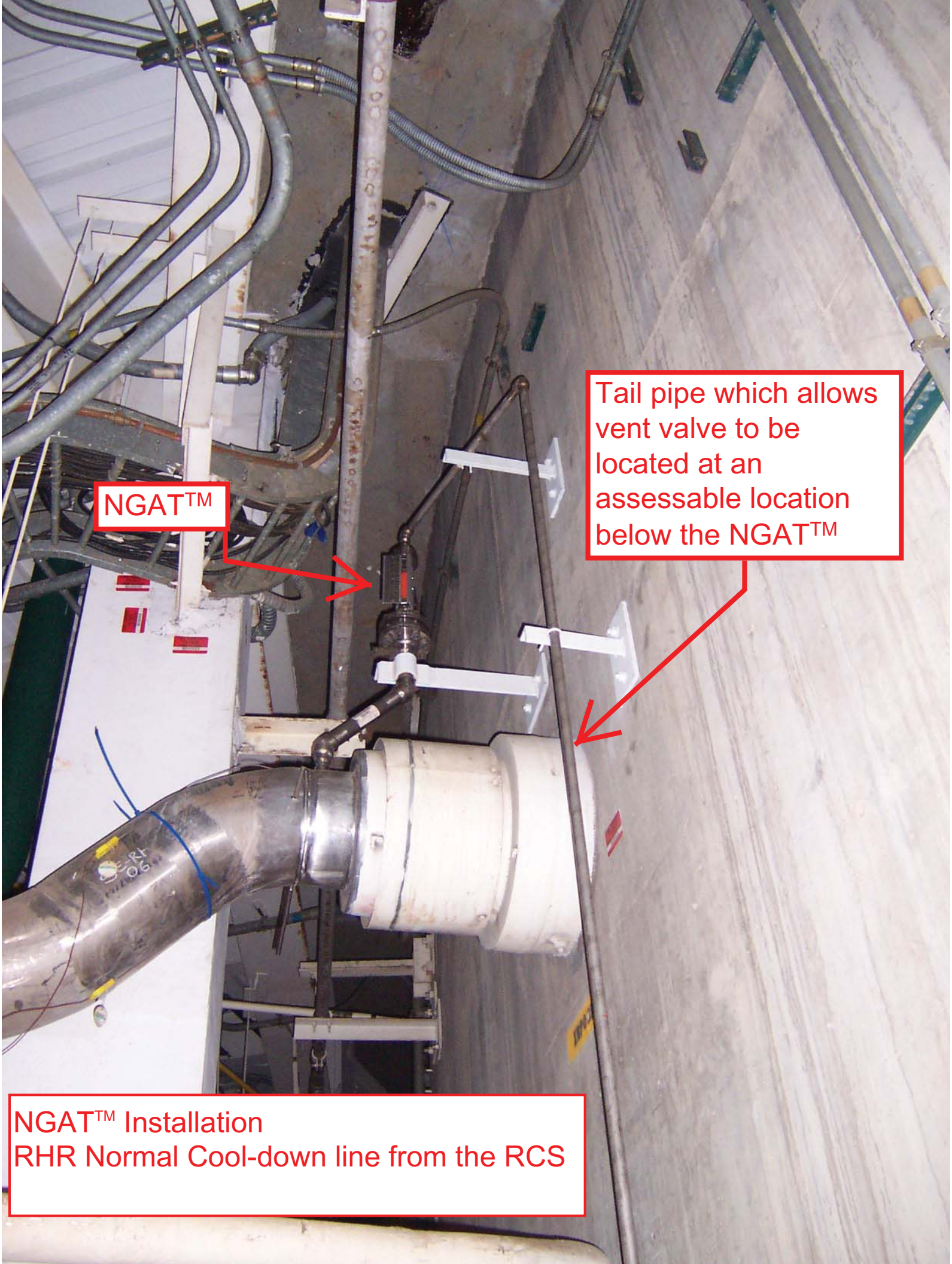
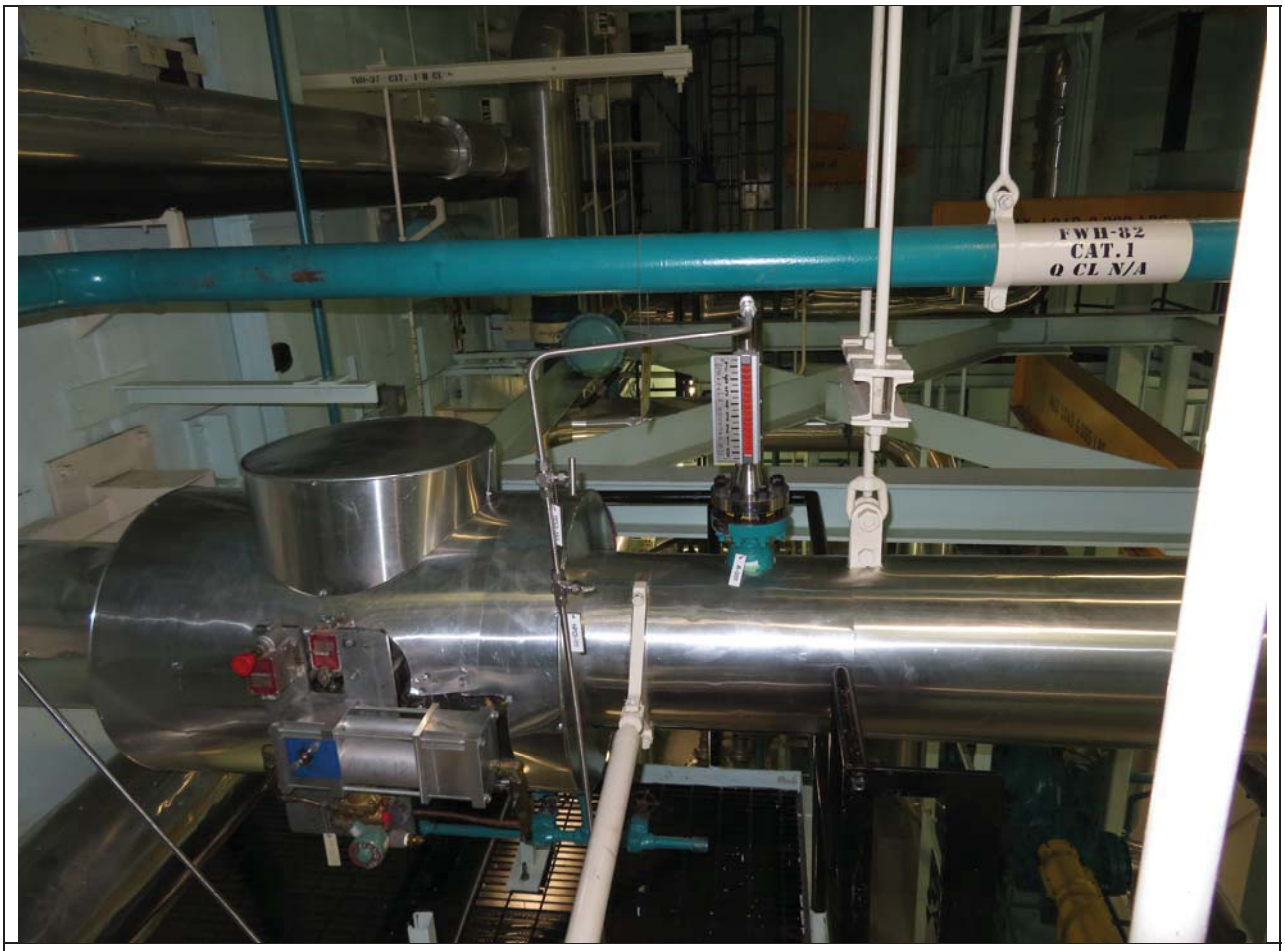
RHR to CHG Pump HDR "B" Train

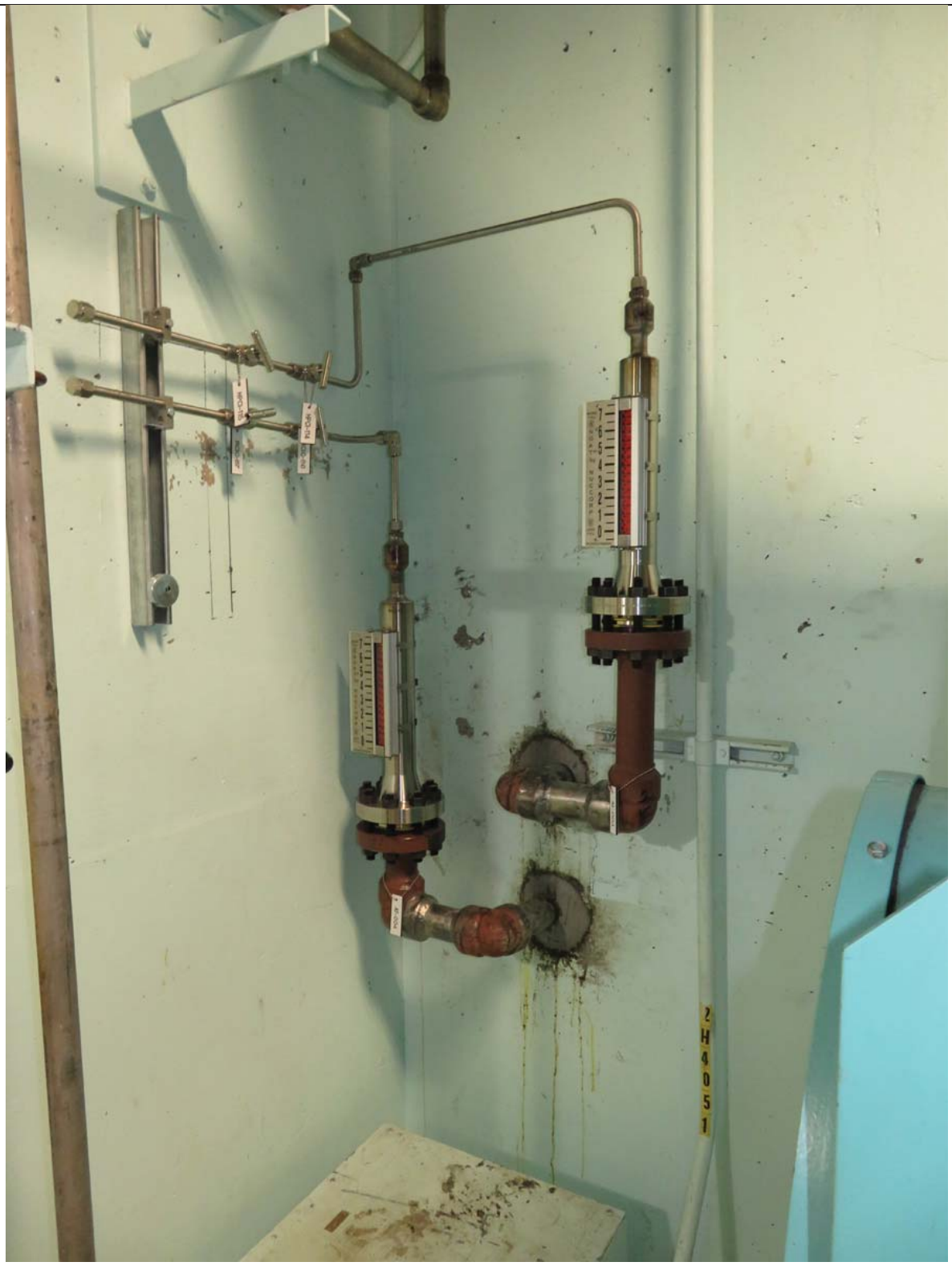

NGAT™
Utility had to UT at this location before the NGAT™ - BUT NO MORE!
UT
8" line from RHR pump to CHG pump header - "B" Train
NGAT™ Installation
ASME CL 2 Support (flange plate)
No supports needed to be attached to walls or floors.



NGAT™ Installation
RHR Normal Cool-down line from the RCS



NGAT-600 Installation in a BWR
RCIC and HPCI Vent Lines

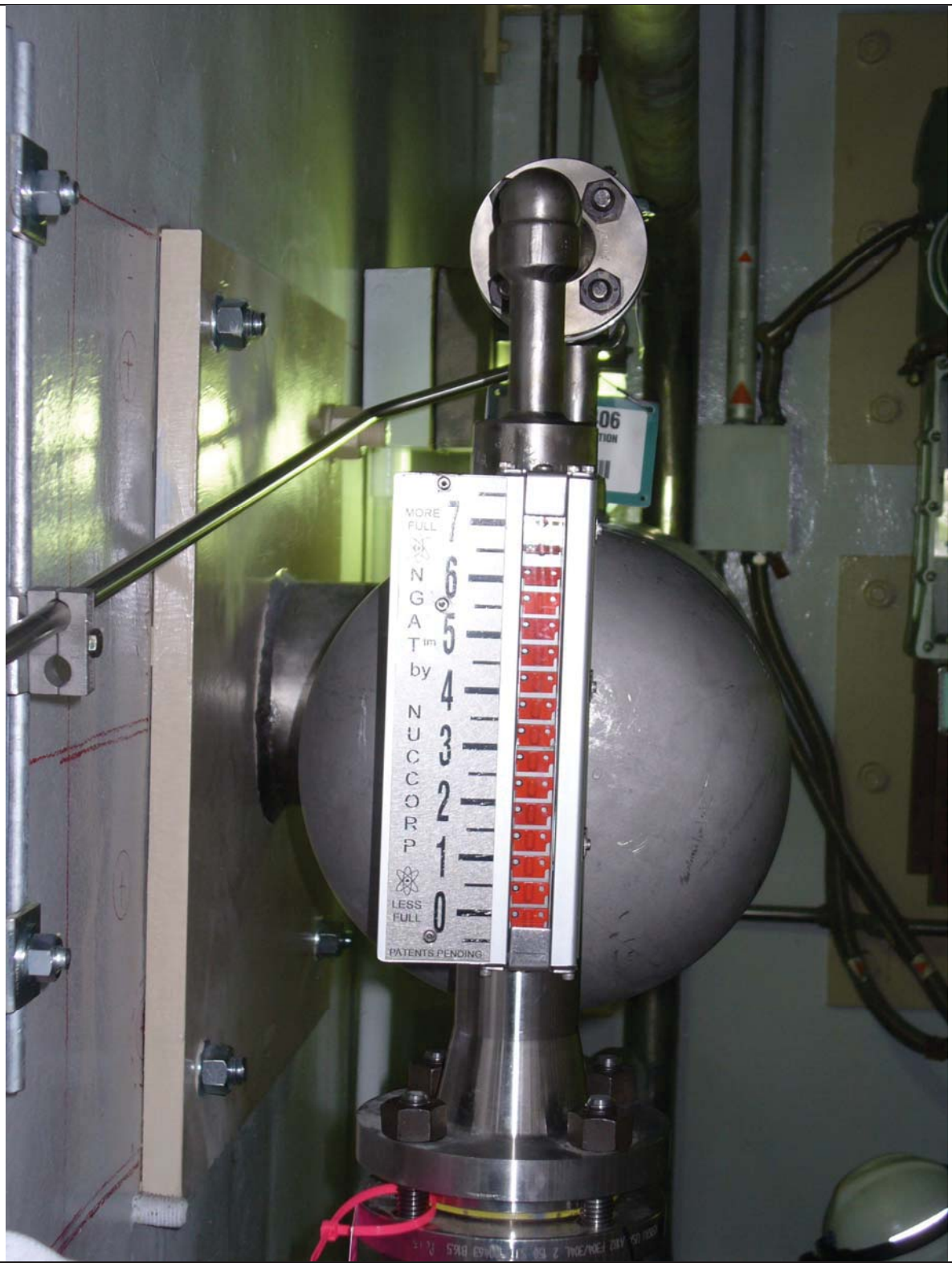


NGAT-600 Installation in a BWR
RCIC and HPCI Vent Lines

NGAT-XL Installations

2.3 Cubic Feet
ASME N-Stamped

Wall-Mounted NGAT-1500N-XL in Operation
Between Gravity Boration Line and Charging Pump Suction
Custom Volume, N-Stamped



Side View of Wall-Mounted NGAT-1500N-XL in Operation
Between Gravity Boration Line and Charging Pump Suction
Custom Volume, N-Stamped