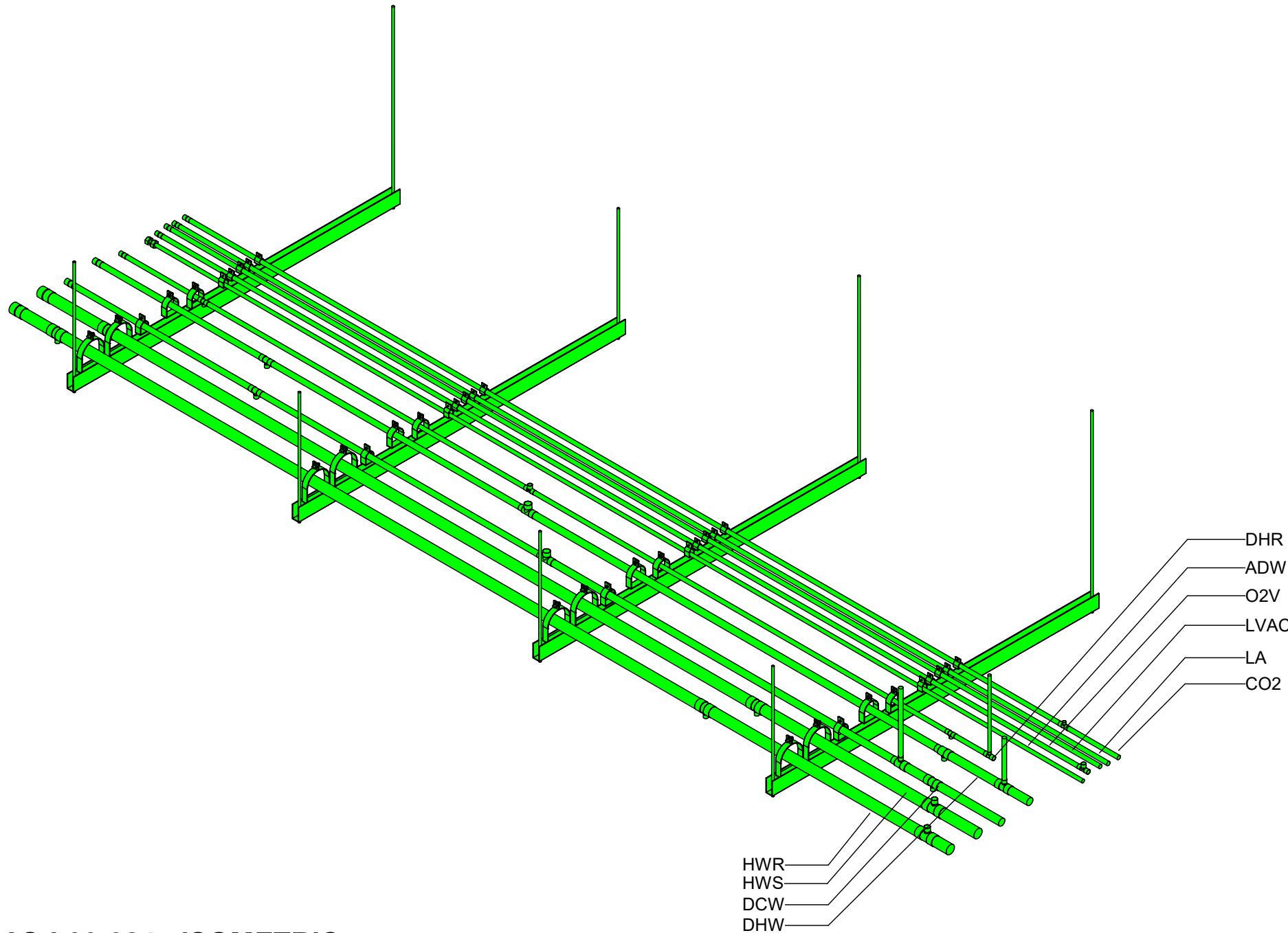
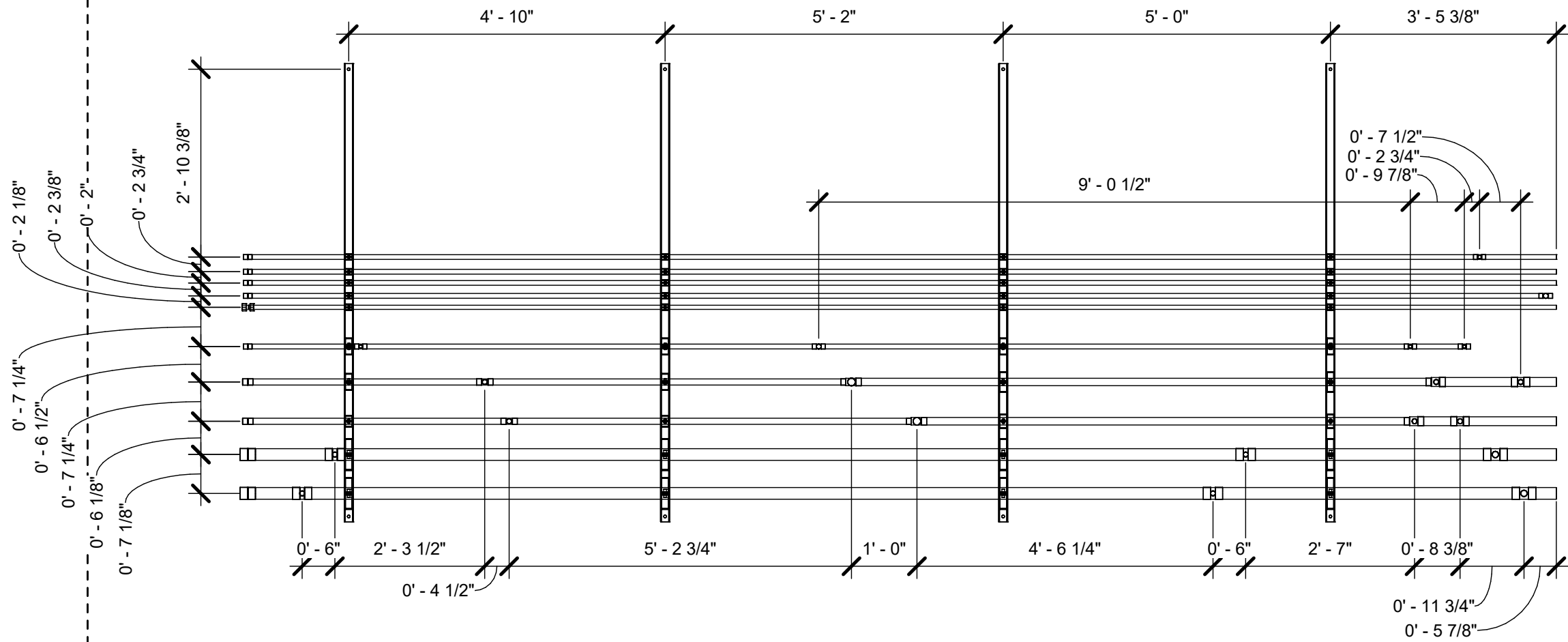


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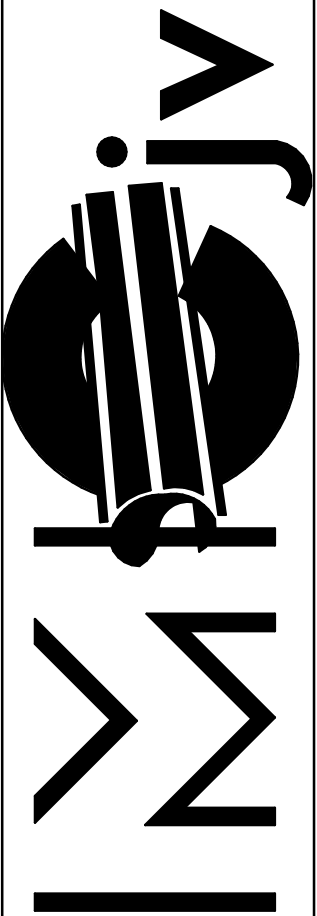


2 AS-L00-024 - ISOMETRIC  
AS-L00-024 SCALE:



1 AS-L00-024  
AS-L00-024 SCALE: 1/2" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4



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JOB: WASH U NRB

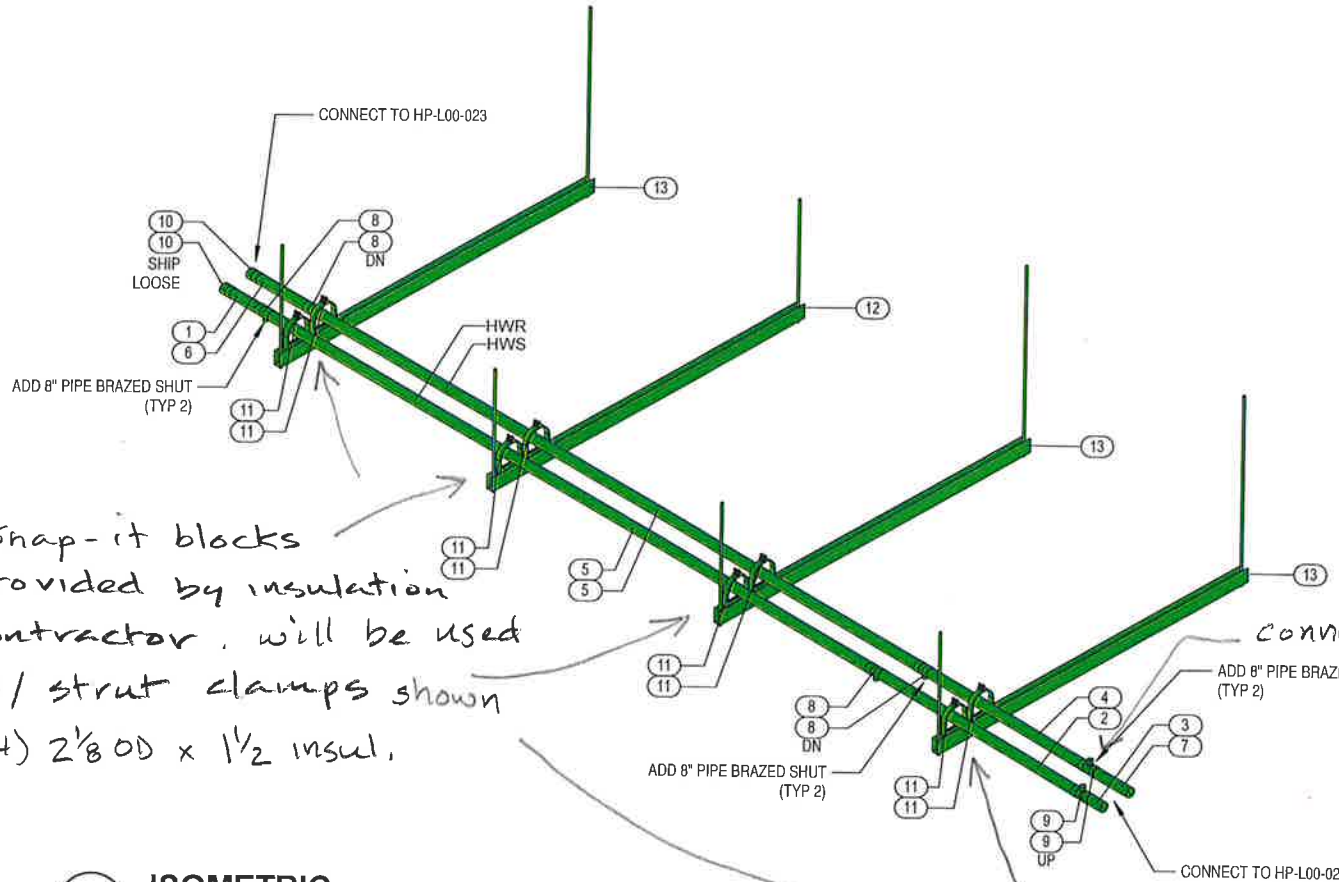
TICKET: AS-L00-024

Drawn By: Author

DATE: 03/11/21

DATE REQ:

BIM 360//WUSM NRBWUSM RB HPF.MT  
5/13/2021 2:23:42 PM



Mark	Qty	Size	Description	Length	Strut Width	Rod 1 Length	Rod 2 Length
1	1	2"	Cerro Type K Hard Copper Pipe	0'-9 7/16"			
2	1	2"	Cerro Type K Hard Copper Pipe	4'-7 3/4"			
3	1	2"	Cerro Type K Hard Copper Pipe	0'-5 1/16"			
4	1	2"	Cerro Type K Hard Copper Pipe	3'-8 1/2"			
5	2	2"	Cerro Type K Hard Copper Pipe	13'-10 1/8"			
6	1	2"	Cerro Type K Hard Copper Pipe	1'-3 7/16"			
7	1	2"	Cerro Type K Hard Copper Pipe	0'-10 5/16"			
8	4	2"x3/4"	Nibco Wrot 611R CxCxC Reducing Tee				
9	2	2"x1"	Nibco Wrot 611R CxCxC Reducing Tee				
10	2	2"	Nibco Wrot 600 Dimpled Stop Coupling CxC				
11	8	5"	B-Line B2000 ZN Sch 40 Pipe Clamp				
12	1	80"	B-Line 1-5/8 GLV 12GA Bk/Bk 2in Slotted Unistrut		7' - 0"	2' - 5"	2' - 5"
13	3	80"	B-Line 1-5/8 GLV 12GA Bk/Bk 2in Slotted Unistrut		7' - 0"	2' - 5"	3' - 9"

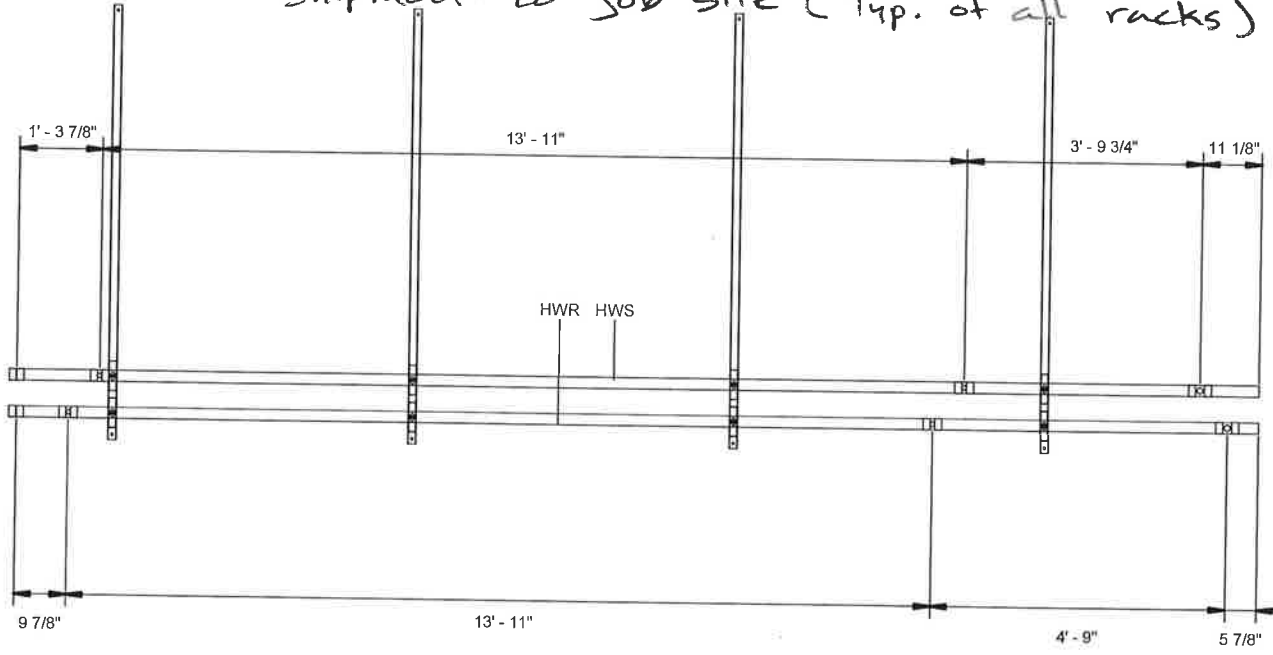
Snap-it blocks provided by insulation contractor, will be used w/ strut clamps shown (4) 2 1/8 OD x 1 1/2 insul.

(4) 2 1/8 OD x 1 1/2 insul. Kilo-sure clamps at each end of the rack, used to secure piping during shipment to job site (Typ. of all racks)

1 ISOMETRIC  
SCALE:



2 LEFT ELEVATION  
SCALE: 1/2" = 1'-0"



3 TOP VIEW  
SCALE: 1/2" = 1'-0"

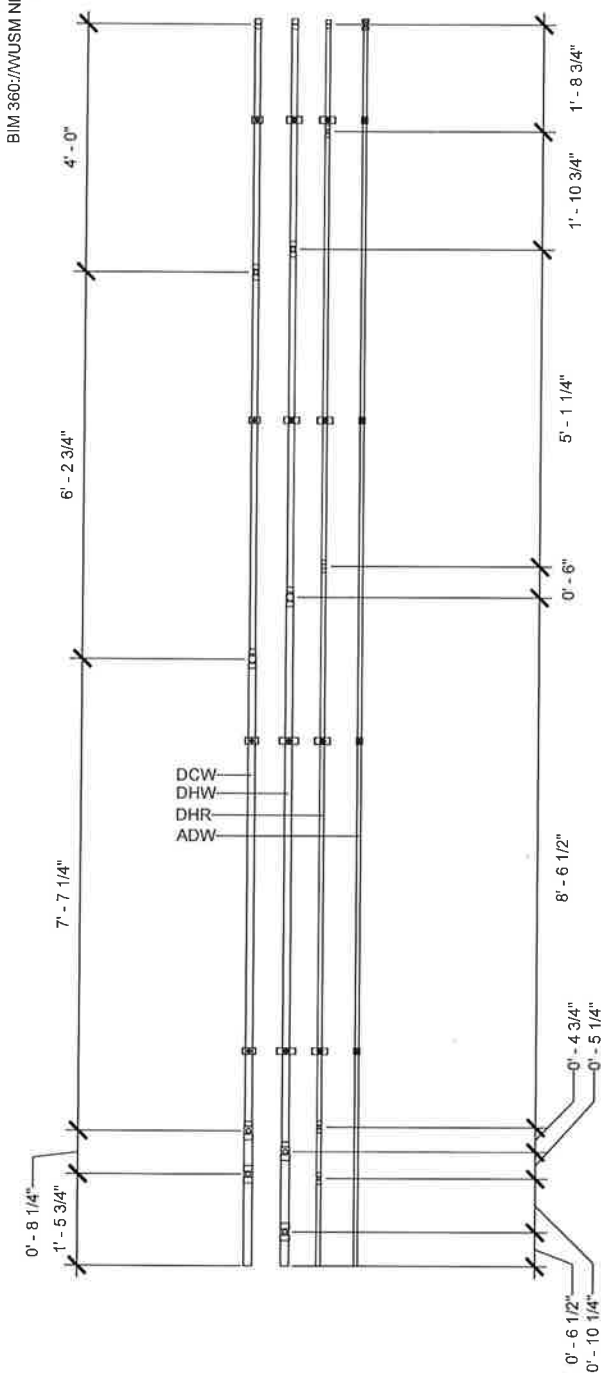


JOB: WASH U NRB  
TICKET: HP-L00-024  
Drawn By: Author  
DATE: 05/11/21

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A1	A3	B1	B3
A2	A4	B2	B4

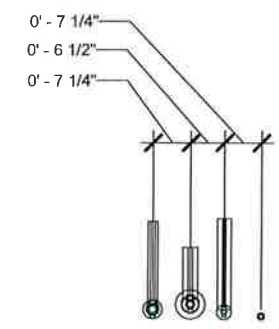
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5/16/2021 11:51:39 AM



1 TOP VIEW  
SCALE: 1/2" = 1'-0"

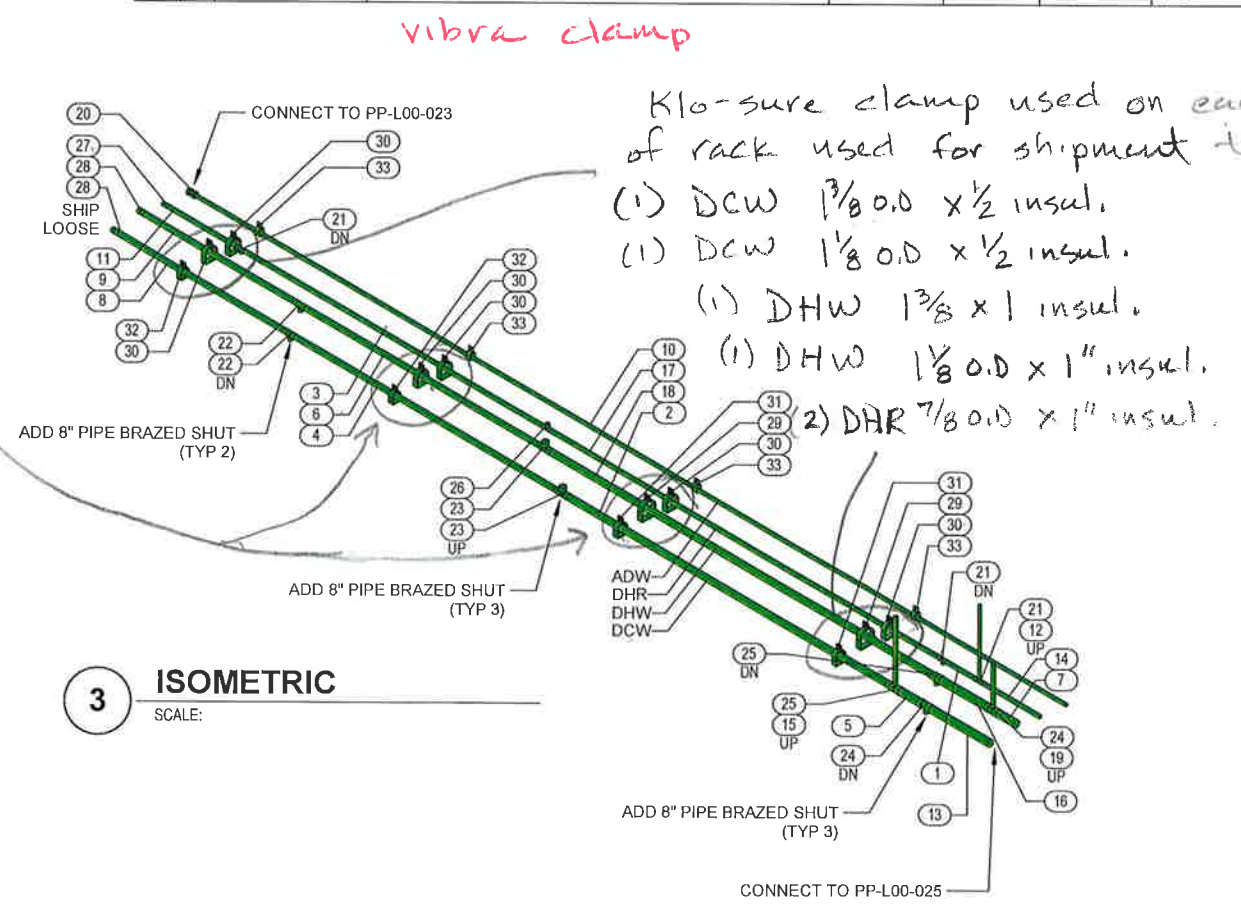
Snap-it insul. blocks used with strut clamps shown

(1) 1 3/8 OD x 1/2" insul.  
(1) 1 1/8 OD x 1/2" insul.  
(1) 1 3/8 OD x 1" insul.  
(1) 1 1/8 OD x 1" insul.  
(2) 7/8 OD x 1" insul.



2 FRONT ELEVATION  
SCALE: 1/2" = 1'-0"

Mark	Qty	Size	Description	Length	Strut Width	Rod 1 Length	Rod 2 Length
1	1	3/4"	Cerro Type L Hard Copper Pipe	0'-9 1/8"			
2	1	1 1/4"	Cerro Type L Hard Copper Pipe	7'-5 1/2"			
3	1	3/4"	Cerro Type L Hard Copper Pipe	6'-11 3/16"			
4	1	1"	Cerro Type L Hard Copper Pipe	6'-1 1/8"			
5	1	1 1/2"	Cerro Type L Hard Copper Pipe	0'-7 3/16"			
6	1	1"	Cerro Type L Hard Copper Pipe	5'-5 5/8"			
7	1	1 1/2"	Cerro Type L Hard Copper Pipe	0'-5 15/16"			
8	1	1"	Cerro Type L Hard Copper Pipe	3'-11 5/16"			
9	1	1"	Cerro Type L Hard Copper Pipe	3'-6 13/16"			
10	1	3/4"	Swagelok SS316L 065 Wall Compression Seamless Tubing	19'-11 13/16"			
11	1	3/4"	Cerro Type L Hard Copper Pipe	1'-8 5/16"			
12	1	1/2"	Cerro Type L Hard Copper Pipe	1'-5 9/16"			
13	1	1 1/2"	Cerro Type L Hard Copper Pipe	1'-5 1/16"			
14	1	3/4"	Cerro Type L Hard Copper Pipe	1'-4 1/2"			
15	1	3/4"	Cerro Type L Hard Copper Pipe	1'-4 1/16"			
16	1	1 1/2"	Cerro Type L Hard Copper Pipe	1'-2 5/16"			
17	1	3/4"	Cerro Type L Hard Copper Pipe	8'-11 5/8"			
18	1	1 1/4"	Cerro Type L Hard Copper Pipe	8'-9 1/2"			
19	1	3/4"	Cerro Type L Hard Copper Pipe	0'-10 1/16"			
20	1	3/4"	Swagelok SS316 Compression Union Coupling				
21	3	3/4"x1/2"	Nibco Wrot 611R CxCxC Reducing Tee				
22	2	1"x3/4"	Nibco Wrot 611R CxCxC Reducing Tee				
23	2	1 1/4"x1"x1 1/4"	Nibco Wrot 611R CxCxC Reducing Tee				
24	2	1 1/2"x3/4"	Nibco Wrot 611R CxCxC Reducing Tee				
25	2	1 1/2"x1 1/4"x3/4"	Nibco Wrot 611R CxCxC Reducing Tee				
26	1	3/4"	Nibco Wrot 611 CxCxC Tee				
27	1	3/4"	Nibco Wrot 600 Dimpled Stop Coupling CxC				
28	2	1"	Nibco Wrot 600 Dimpled Stop Coupling CxC				
29	3	3"	B-Line B2000 ZN Sch 40 Pipe Clamp				
30	6	2.5"	B-Line B2000 ZN Sch 40 Pipe Clamp		0'-0"	0'-0"	0'-0"
31	2	2"	B-Line B2000 ZN Sch 40 Pipe Clamp		0'-0"	0'-0"	0'-0"
32	2	1.5"	B-Line B2000 ZN Sch 40 Pipe Clamp		0'-0"	0'-0"	0'-0"
33	4	0.75"	B-Line B2000 ZN Sch 40 Pipe Clamp		0'-0"	0'-0"	0'-0"



3 ISOMETRIC  
SCALE:

A1	A3	B1	B3
A2	A4	B2	B4

JOB: WASH U NRB

TICKET: PP-L00-024

Drawn By: Author

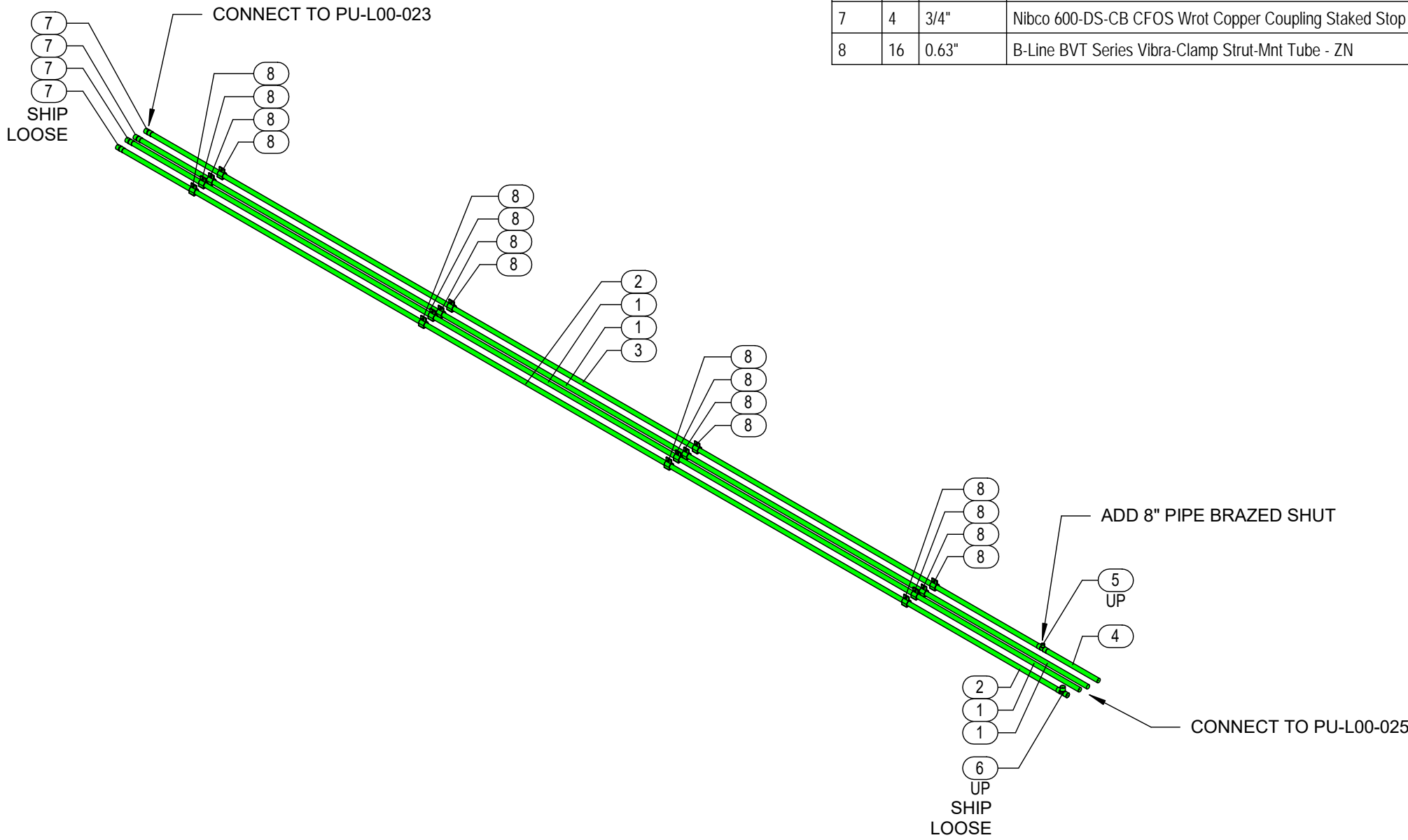
DATE: 04/01/21

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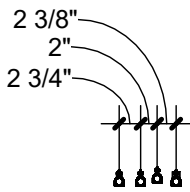


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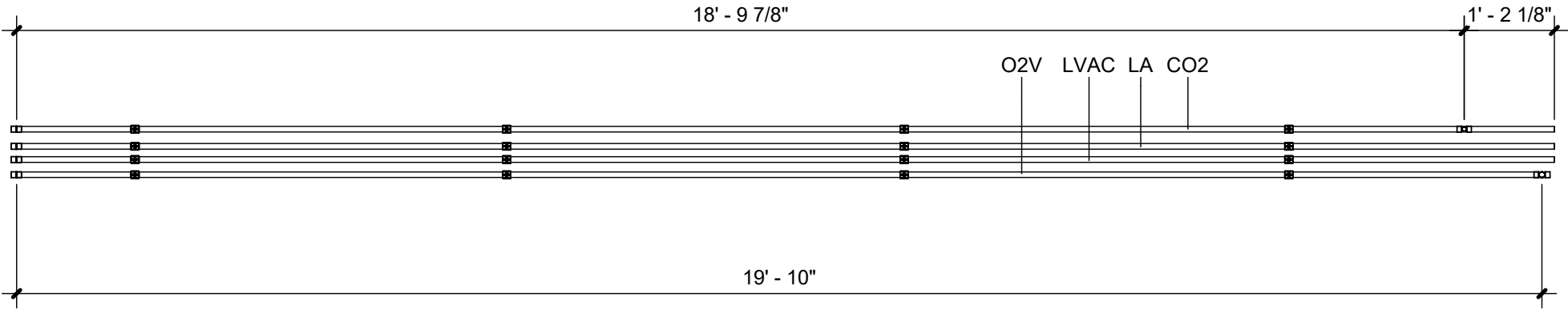


Mark	Qty	Size	Description	Length	Strut Width	Rod 1 Length	Rod 2 Length
1	2	3/4"	Cerro Type L Hard Copper - CFOS	19'-11 7/8"			
2	1	3/4"	Cerro Type L Hard Copper - CFOS	19'-9 7/16"			
3	1	3/4"	Cerro Type L Hard Copper - CFOS	18'-9 7/16"			
4	1	3/4"	Cerro Type L Hard Copper - CFOS	1'-1 11/16"			
5	1	3/4"x1/2"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee				
6	1	3/4"	Nibco 611-CB CFOS Wrot Copper Tee				
7	4	3/4"	Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop				
8	16	0.63"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN				

1 ISOMETRIC  
SCALE:



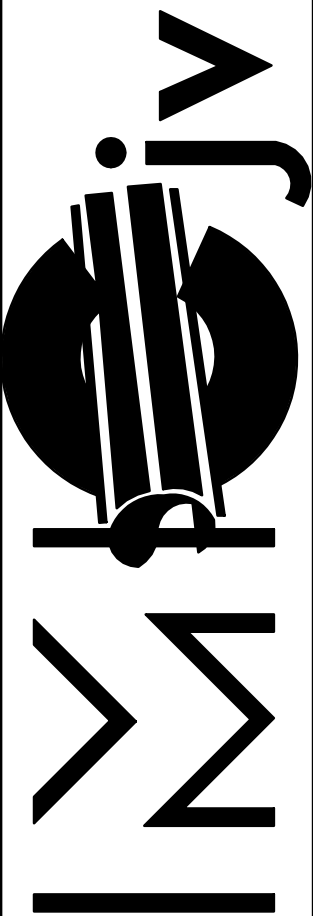
2 LEFT ELEVATION  
SCALE: 1/2" = 1'-0"



3 TOP VIEW  
SCALE: 1/2" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

JOB: WASH U NRB  
TICKET: PU-L00-024  
Drawn By: Author  
DATE: 05/11/21  
DATE REQ:



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