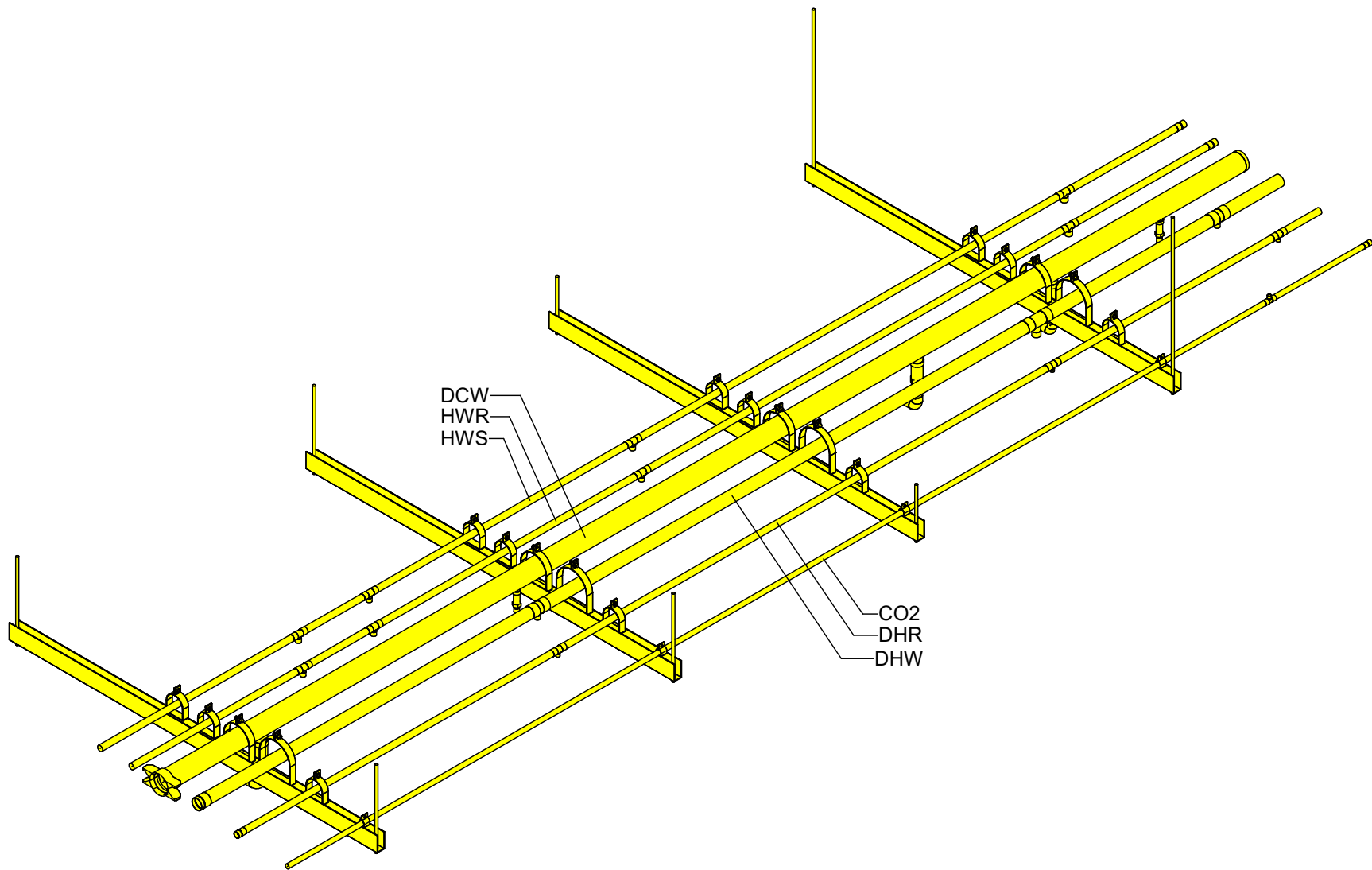


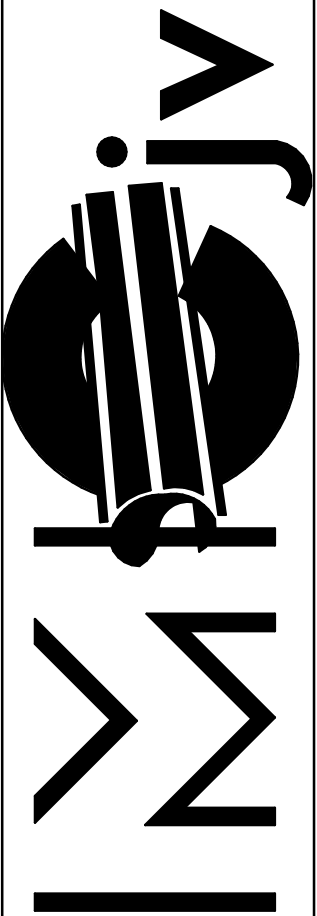
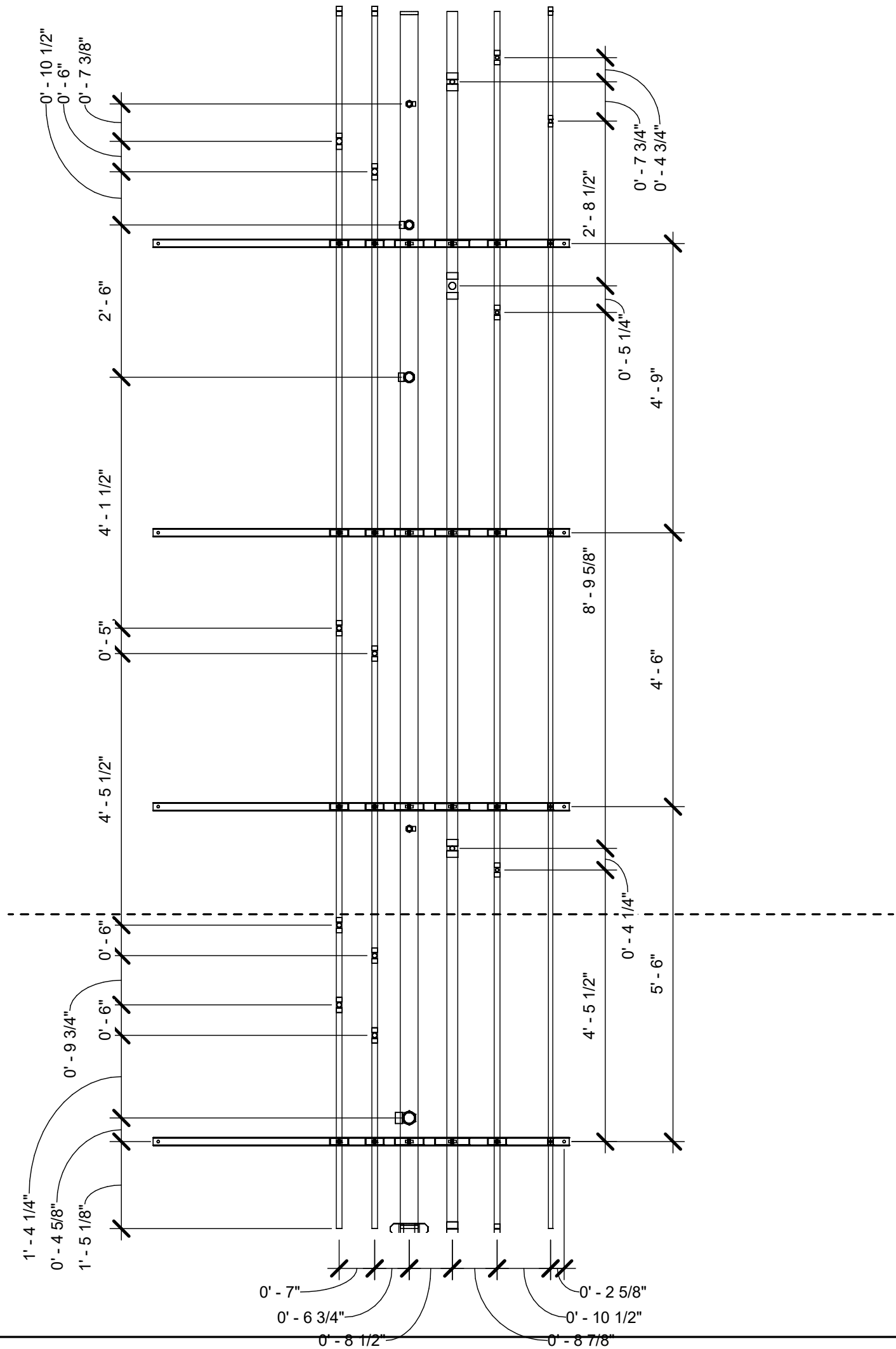
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2 AS-L00-045 - ISOMETRIC
AS-L00-045 SCALE:

A1	A3	B1	B3
A2	A4	B2	B4

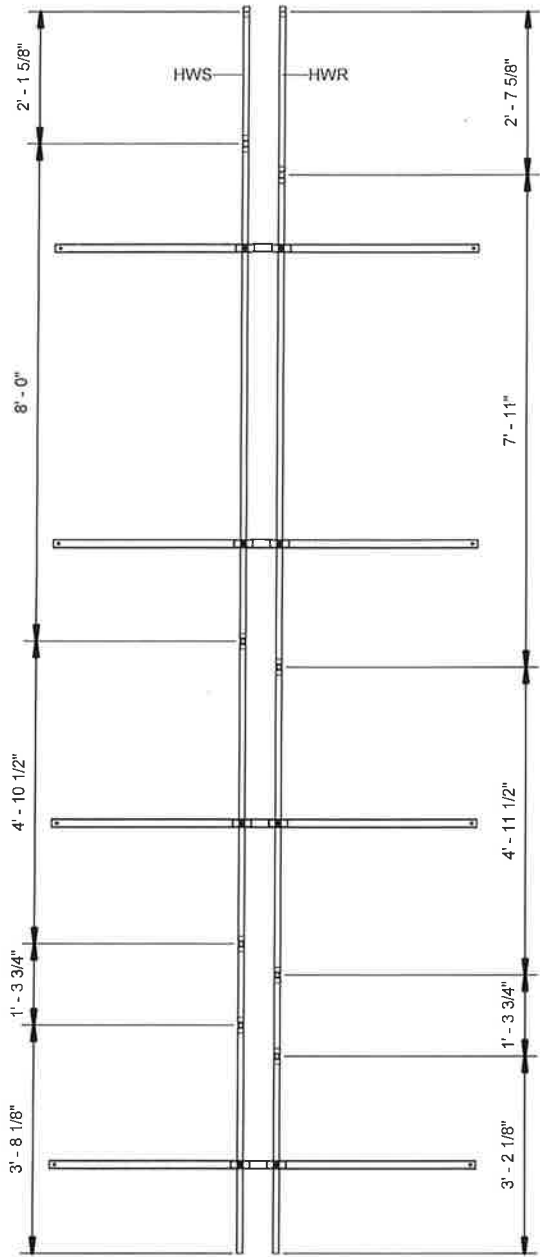
1 AS-L00-045
AS-L00-045 SCALE: 1/2" = 1'-0"



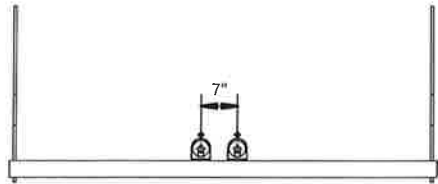
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314-997-6600 phone

JOB:	WASH U NRB
TICKET:	AS-L00-045
Drawn By: Author	
DATE: 03/11/21	DATE REQ:

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5/13/2021 4:06:03 PM



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



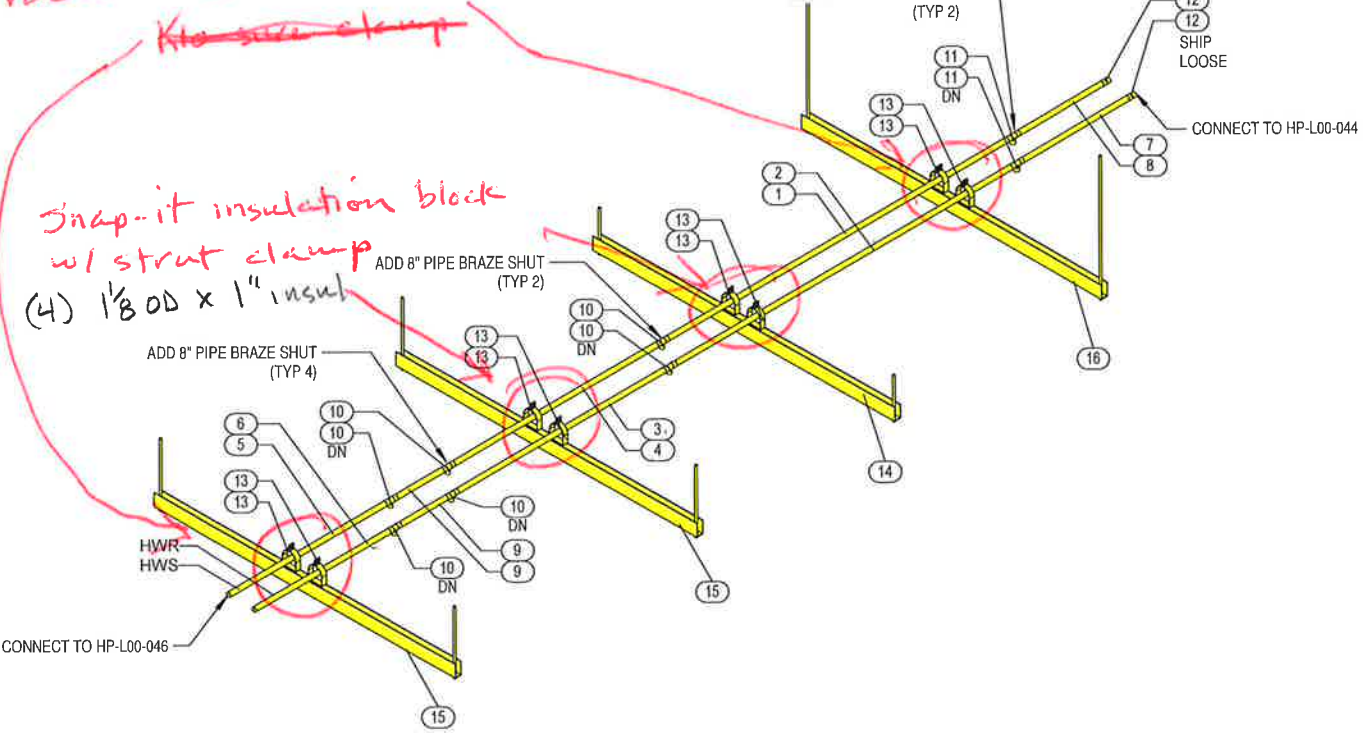
2 FRONT ELEVATION
SCALE: 1/2" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

change to
type L copper

Mark	Qty	Size	Description	Length	Strut Width	Rod 1 Length	Rod 2 Length
1	1	1"	Cerro Type K Hard Copper Pipe	7'-10 11/16"			
2	1	1"	Cerro Type K Hard Copper Pipe	7'-9 11/16"			
3	1	1"	Cerro Type K Hard Copper Pipe	4'-10 3/8"			
4	1	1"	Cerro Type K Hard Copper Pipe	4'-9 3/8"			
5	1	1"	Cerro Type K Hard Copper Pipe	3'-7 1/2"			
6	1	1"	Cerro Type K Hard Copper Pipe	3'-1 1/2"			
7	1	1"	Cerro Type K Hard Copper Pipe	2'-6 15/16"			
8	1	1"	Cerro Type K Hard Copper Pipe	2'-0 15/16"			
9	2	1"	Cerro Type K Hard Copper Pipe	1'-2 1/2"			
10	6	1"x3/4"	Nibco Wrot 611R CxCxC Reducing Tee				
11	2	1"	Nibco Wrot 611 CxCxC Tee				
12	2	1"	Nibco Wrot 600 Dimpled Stop Coupling CxC				
13	8	3"	B-Line B2000 ZN Sch 40 Pipe Clamp				
14	1	78"	B-Line 1-5/8 GLV 12GA Bk/Bk 2in Slotted Unistrut		6" - 10"	11"	11"
15	2	78"	B-Line 1-5/8 GLV 12GA Bk/Bk 2in Slotted Unistrut		6" - 10"	1" - 5"	1" - 5"
16	1	78"	B-Line 1-5/8 GLV 12GA Bk/Bk 2in Slotted Unistrut		6" - 10"	2" - 10"	2" - 10"

1/8" OD x 1" insul. Kilo-sure clamp used
on both ends of racks used for shipment
of racks to job site (4) 1/8" OD x 1" insul.



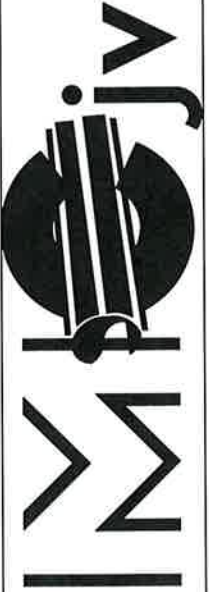
3 ISOMETRIC
SCALE:

JOB: WASH U NRB

TICKET: HP-L00-045

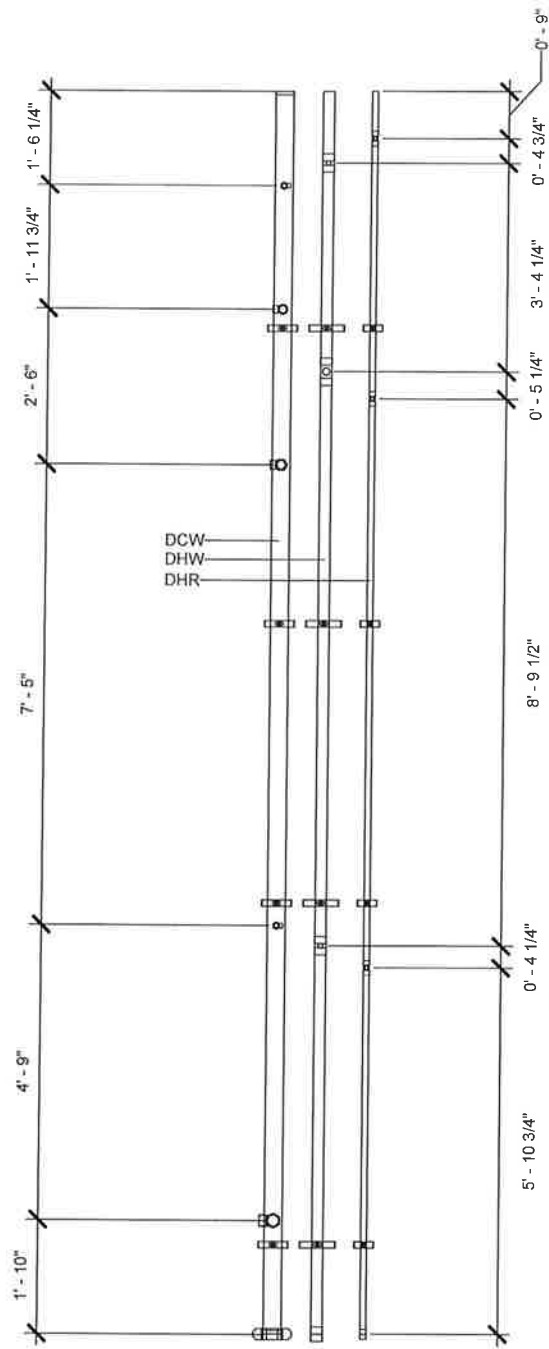
Drawn By: Author

DATE REQ: 05/11/21

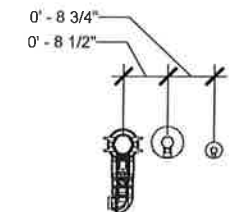


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2 TOP VIEW
SCALE: 1/2" = 1'-0"

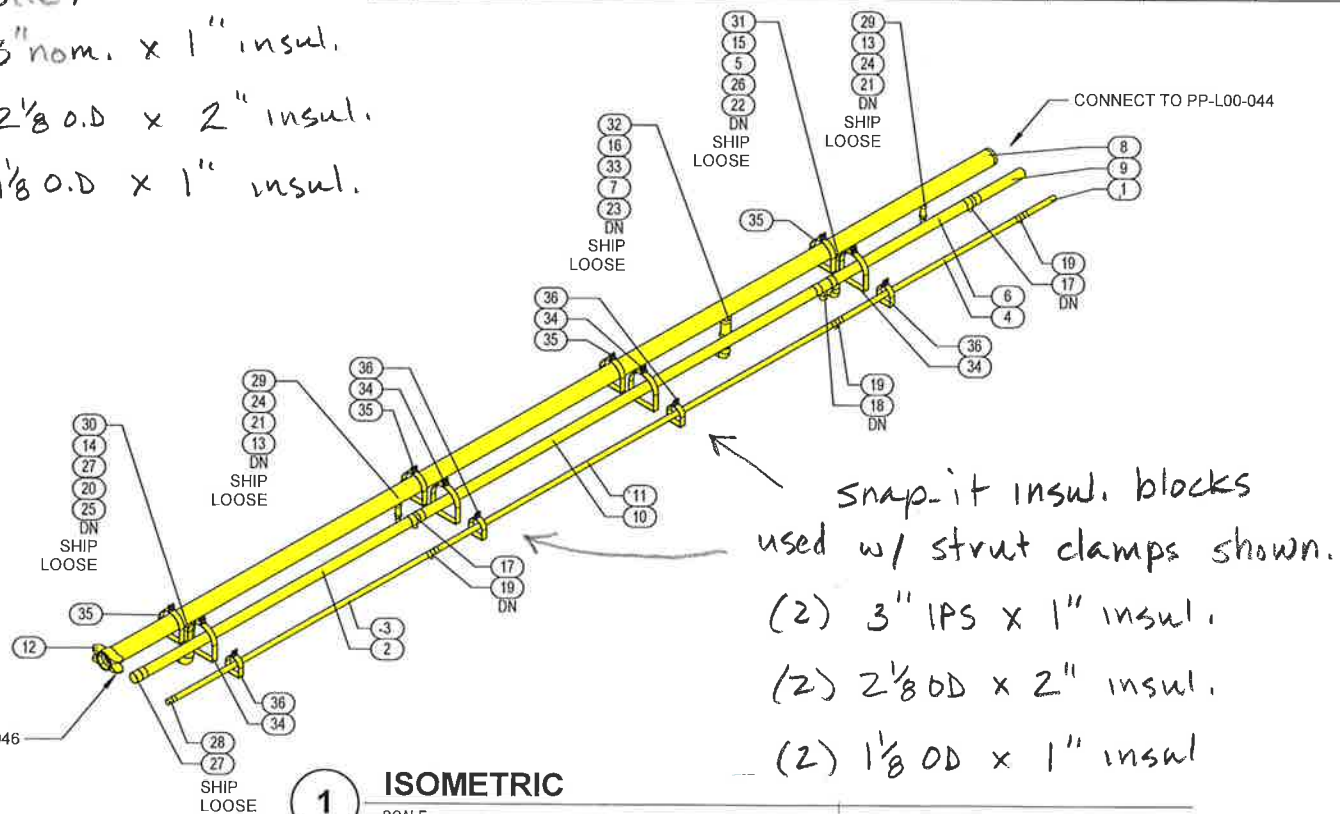


3 FRONT ELEVATION
SCALE: 1/2" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

Klo-sure clamps on each end of rack used to secure during shipment to job site.
(2) DCW 3"nom. x 1" insul.
(2) DHW 2 1/8 O.D x 2" insul.
(2) DRW 1 1/8 O.D x 1" insul.

Mark	Qty	Size	Description	Length	Strut Width	Rod 1 Length	Rod 2 Length
1	1	1"	Cerro Type L Hard Copper Pipe	0'-8 5/8"			
2	1	2"	Cerro Type L Hard Copper Pipe	6'-2 1/2"			
3	1	1"	Cerro Type L Hard Copper Pipe	5'-10 3/16"			
4	1	1"	Cerro Type L Hard Copper Pipe	4'-1 1/4"			
5	1	1 1/4"	Cerro Type L Hard Copper Pipe	0'-4 1/4"			
6	1	2"	Cerro Type L Hard Copper Pipe	3'-2 1/2"			
7	1	1 1/2"	Cerro Type L Hard Copper Pipe	0'-3 7/16"			
8	1	3"	Brismet Sch 10S A312 EFW 304 PIPE	19'-11 7/8"			
9	1	2"	Cerro Type L Hard Copper Pipe	1'-1 3/8"			
10	1	2"	Cerro Type L Hard Copper Pipe	9'-1 1/8"			
11	1	1"	Cerro Type L Hard Copper Pipe	9'-0 7/8"			
12	1	3"	Victaulic Style 107N QuickVic EHP Pnt Rigid Cpl				
13	2	3/4"	Victaulic No.647 TT Dielectric Transition Fitting				
14	1	2"	Victaulic No.647 TT Dielectric Transition Fitting				
15	1	1 1/4"	Victaulic No.647 TT Dielectric Transition Fitting				
16	1	1 1/2"	Victaulic No.647 TT Dielectric Transition Fitting				
17	2	2"x3/4"	Nibco Wrot 611R CxCxC Reducing Tee				
18	1	2"x1 1/4"	Nibco Wrot 611R CxCxC Reducing Tee				
19	3	1"x1/2"	Nibco Wrot 611R CxCxC Reducing Tee				
20	1	2"	Nibco Wrot 607-2 90 Deg Flg Ell Close Rough FTGxC				
21	2	3/4"	Nibco Wrot 607 90 Deg Ell CxC				
22	1	1 1/4"	Nibco Wrot 607 90 Deg Ell CxC				
23	1	1 1/2"	Nibco Wrot 607 90 Deg Ell CxC				
24	2	3/4"	Nibco Wrot 603-2 Flg Adapter CxF				
25	1	2"	Nibco Wrot 603-2 Flg Adapter CxF				
26	1	1 1/4"	Nibco Wrot 603 Adapter CxF				
27	2	2"	Nibco Wrot 600 Dimpled Stop Coupling CxC				
28	1	1"	Nibco Wrot 600 Dimpled Stop Coupling CxC				
29	2	3"x3/4"	Merit Brass 3000# 316L SS Thread-O-Let				
30	1	3"x2"	Merit Brass 3000# 316L SS Thread-O-Let				
31	1	3"x1 1/4"	Merit Brass 3000# 316L SS Thread-O-Let				
32	1	3"x1 1/2"	Merit Brass 3000# 316L SS Thread-O-Let				
33	1	1 1/2"	Elkhart 103 Wrot Female Adapter CxFPT				
34	4	6"	B-Line B2000 ZN Sch 40 Pipe Clamp				
35	4	5"	B-Line B2000 ZN Sch 40 Pipe Clamp				
36	4	3"	B-Line B2000 ZN Sch 40 Pipe Clamp				



1 ISOMETRIC
SCALE:

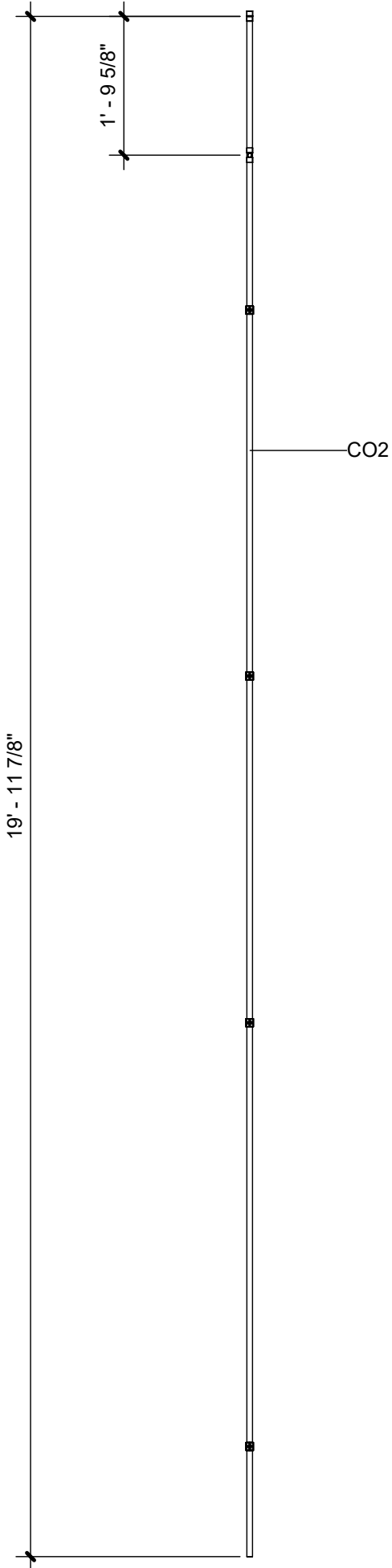
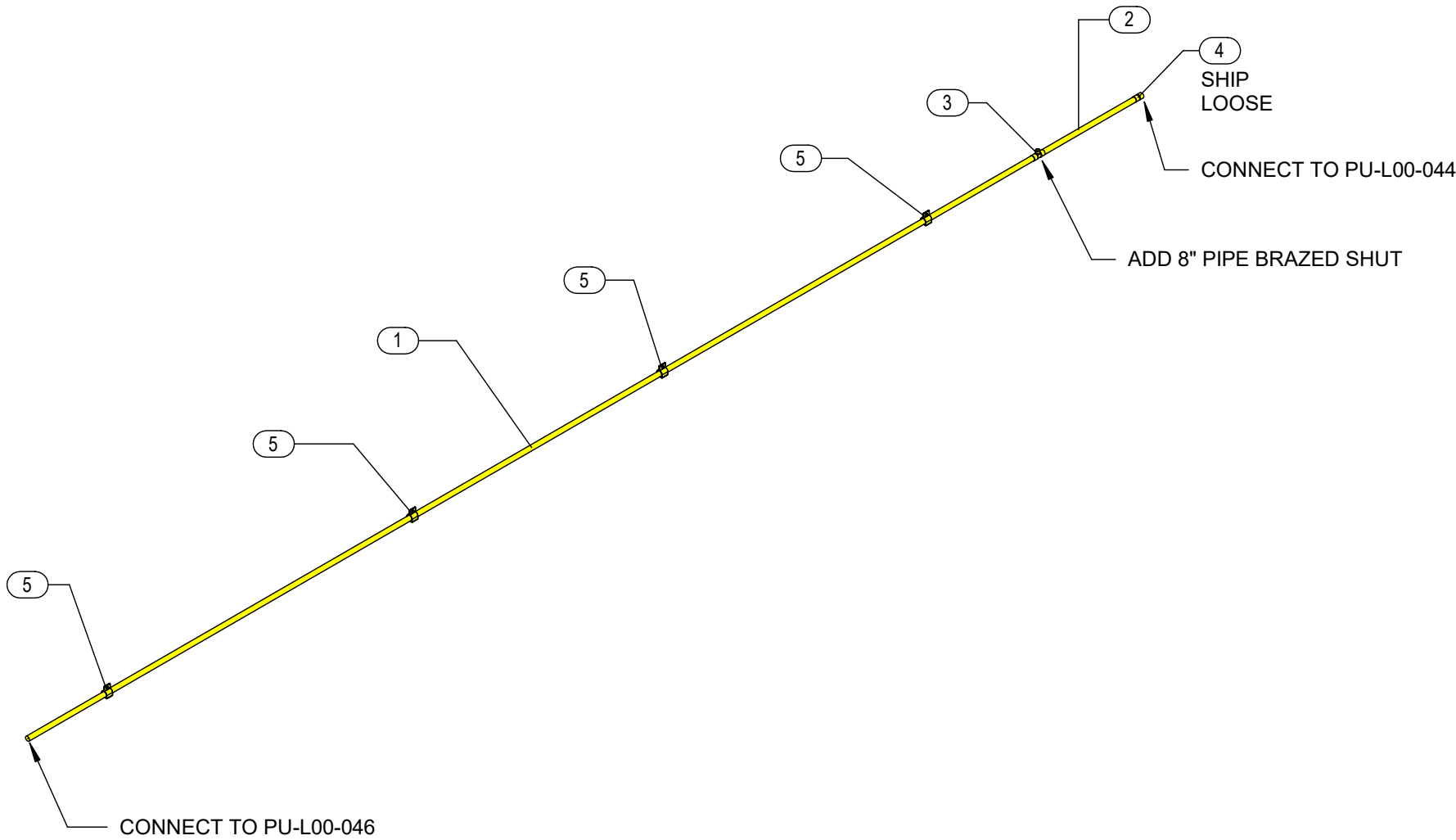


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JOB: WASH U NRB
TICKET: PP-L00-045
Drawn By: Author
DATE: 05/06/21

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Mark	Qty	Size	Description	Length	Strut Width	Rod 1 Length	Rod 2 Length
1	1	3/4"	Cerro Type L Hard Copper - CFOS	18'-1 15/16"			
2	1	3/4"	Cerro Type L Hard Copper - CFOS	1'-9 1/4"			
3	1	3/4"x1/2"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee				
4	1	3/4"	Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop				
5	4	0.63"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN				

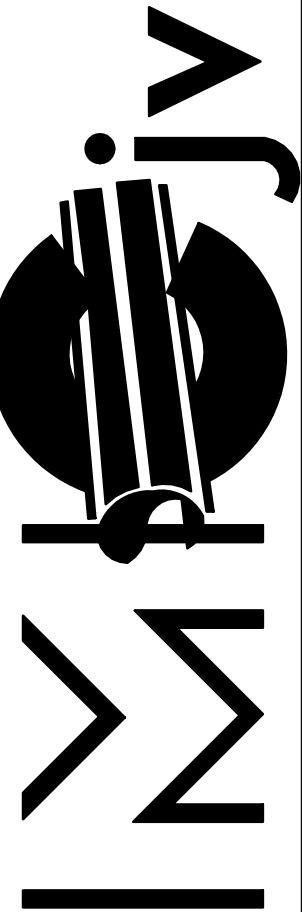


1 ISOMETRIC
SCALE:

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

A1	A3	B1	B3
A2	A4	B2	B4

JOB:	WASH U NRB
TICKET:	PU-L00-045
Drawn By: Author	
DATE: 05/07/21	DATE REQ:



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