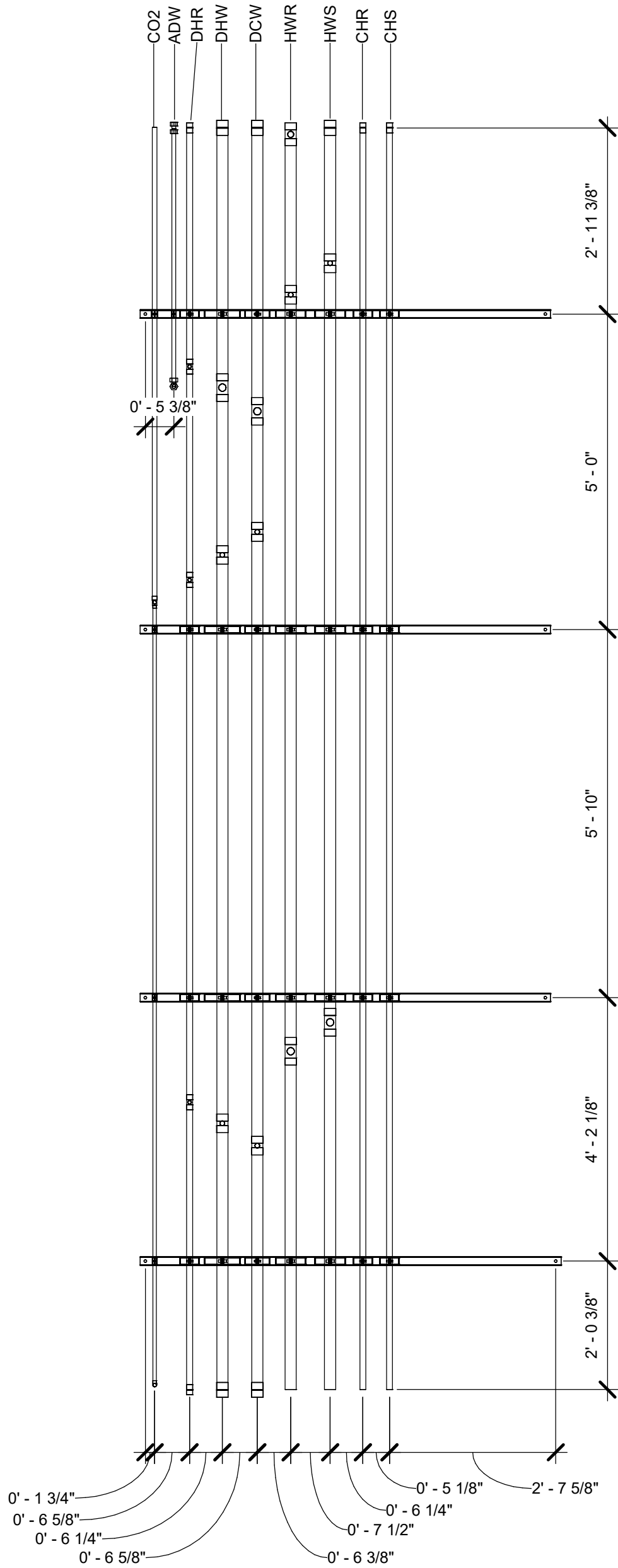


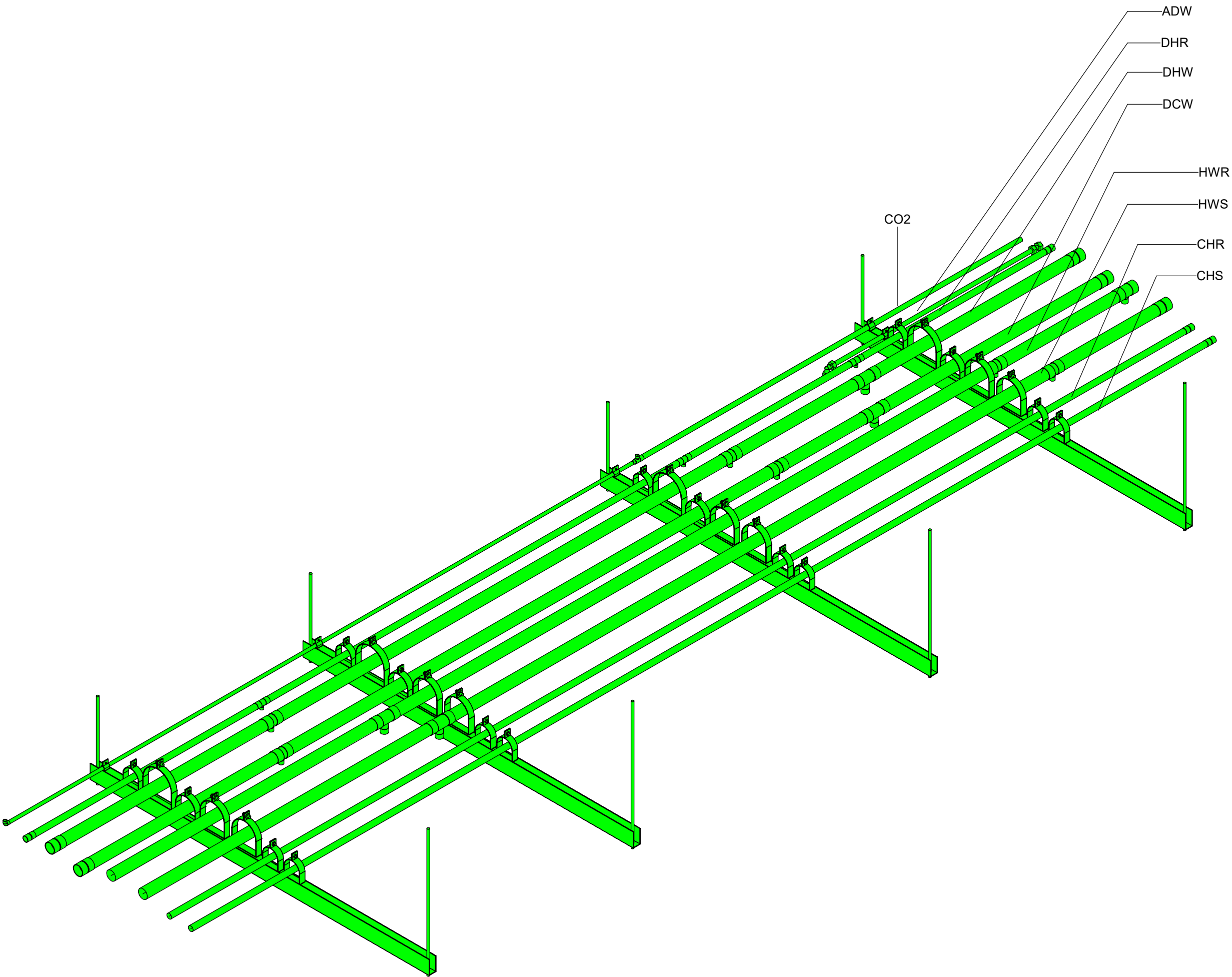
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8/4/2021 12:26:18 PM



1 AS-L00-049
SCALE: 1 : 23

| | | | |
|----|----|----|----|
| A1 | A3 | B1 | B3 |
| A2 | A4 | B2 | B4 |

2 AS-L00-049 - ISOMETRIC
SCALE:

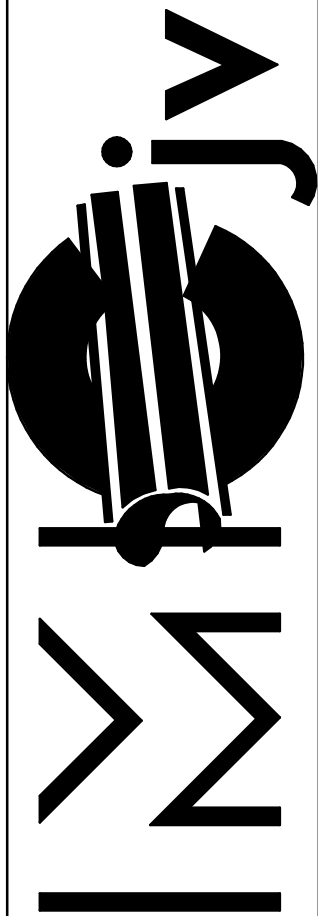


JOB: WASH U NRB

TICKET: AS-L00-049

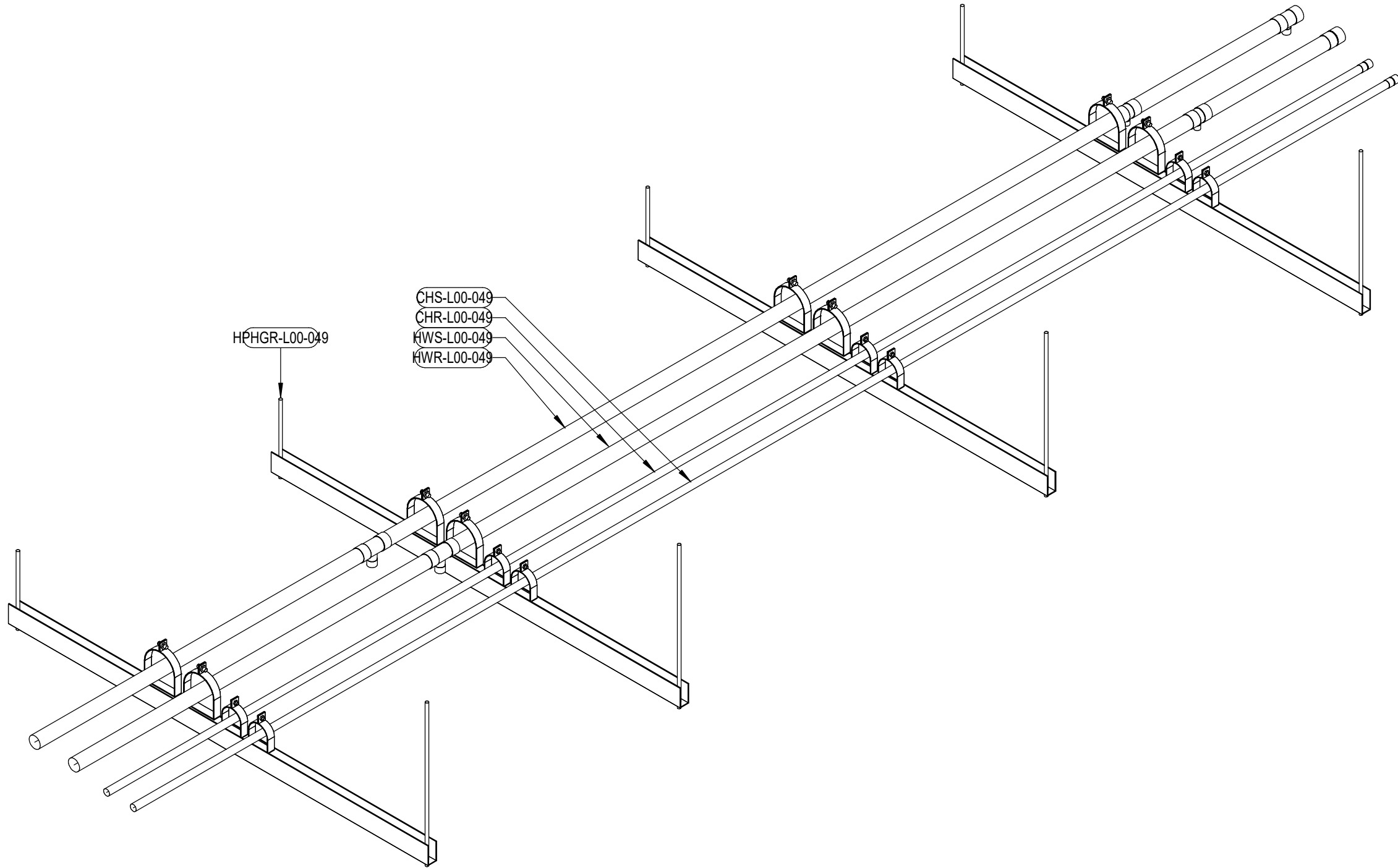
Drawn By: Author

DATE REQ: 03/11/21



1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

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1 HP-L00-049
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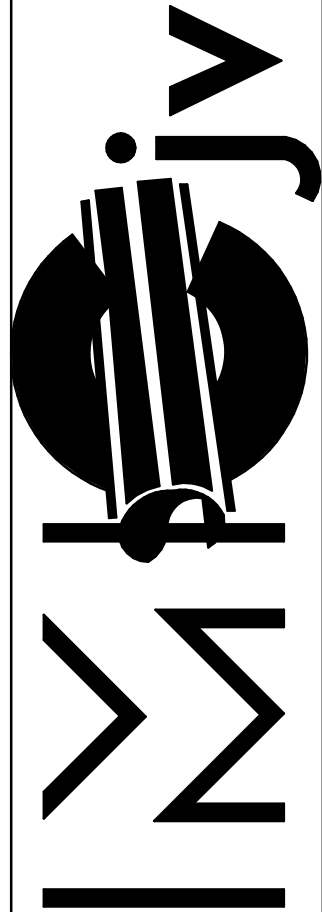
| | | | |
|----|----|----|----|
| A1 | A3 | B1 | B3 |
| A2 | A4 | B2 | B4 |

JOB: WASH U NRB

TICKET:

Drawn By: Author

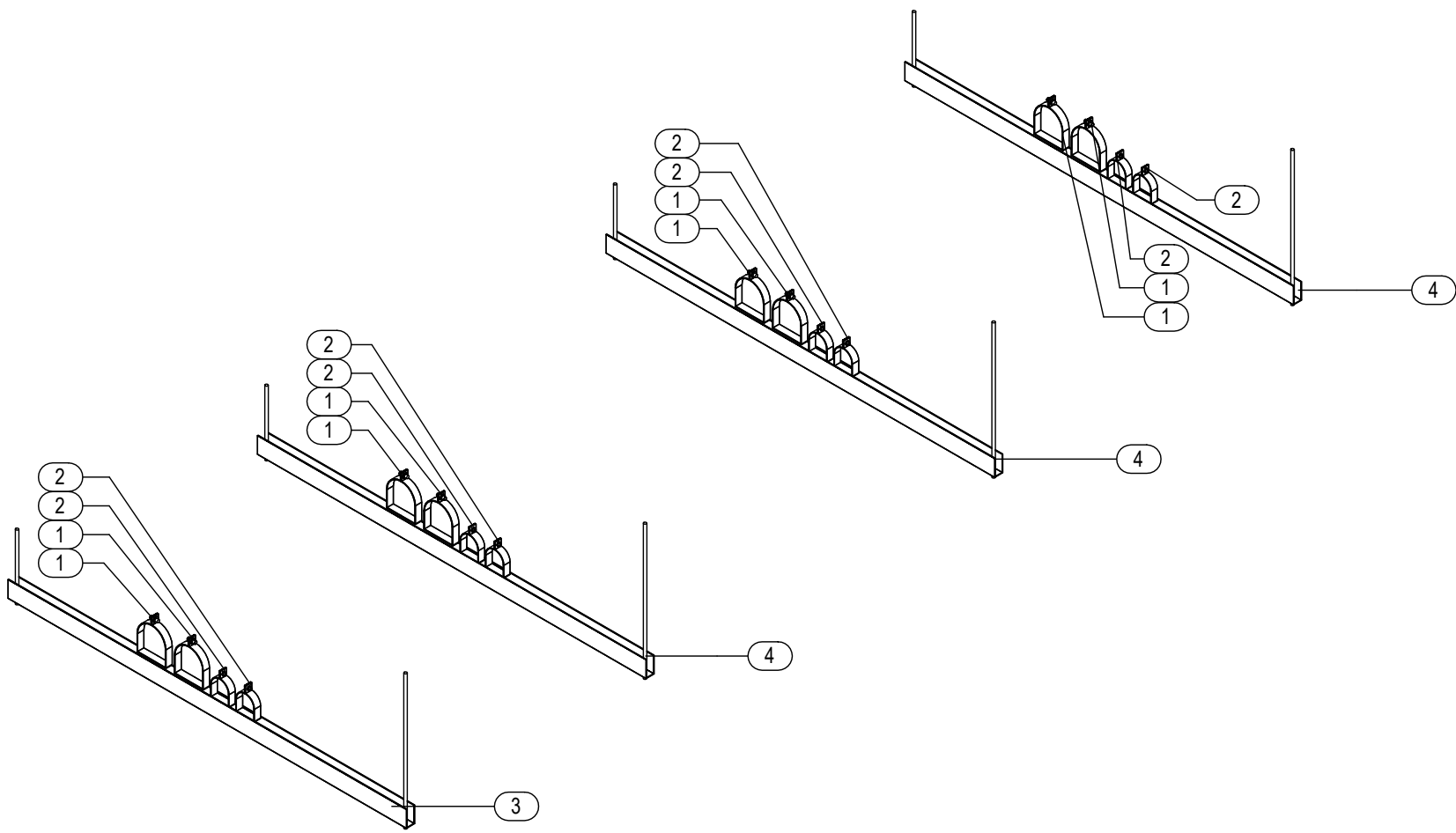
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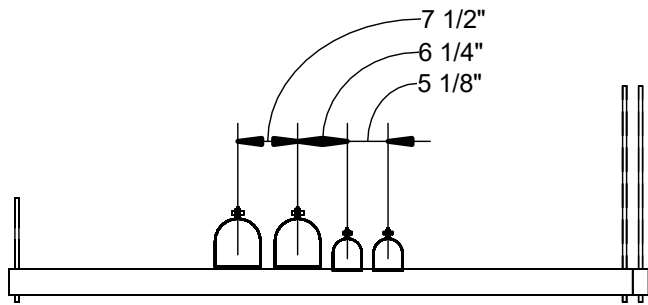
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

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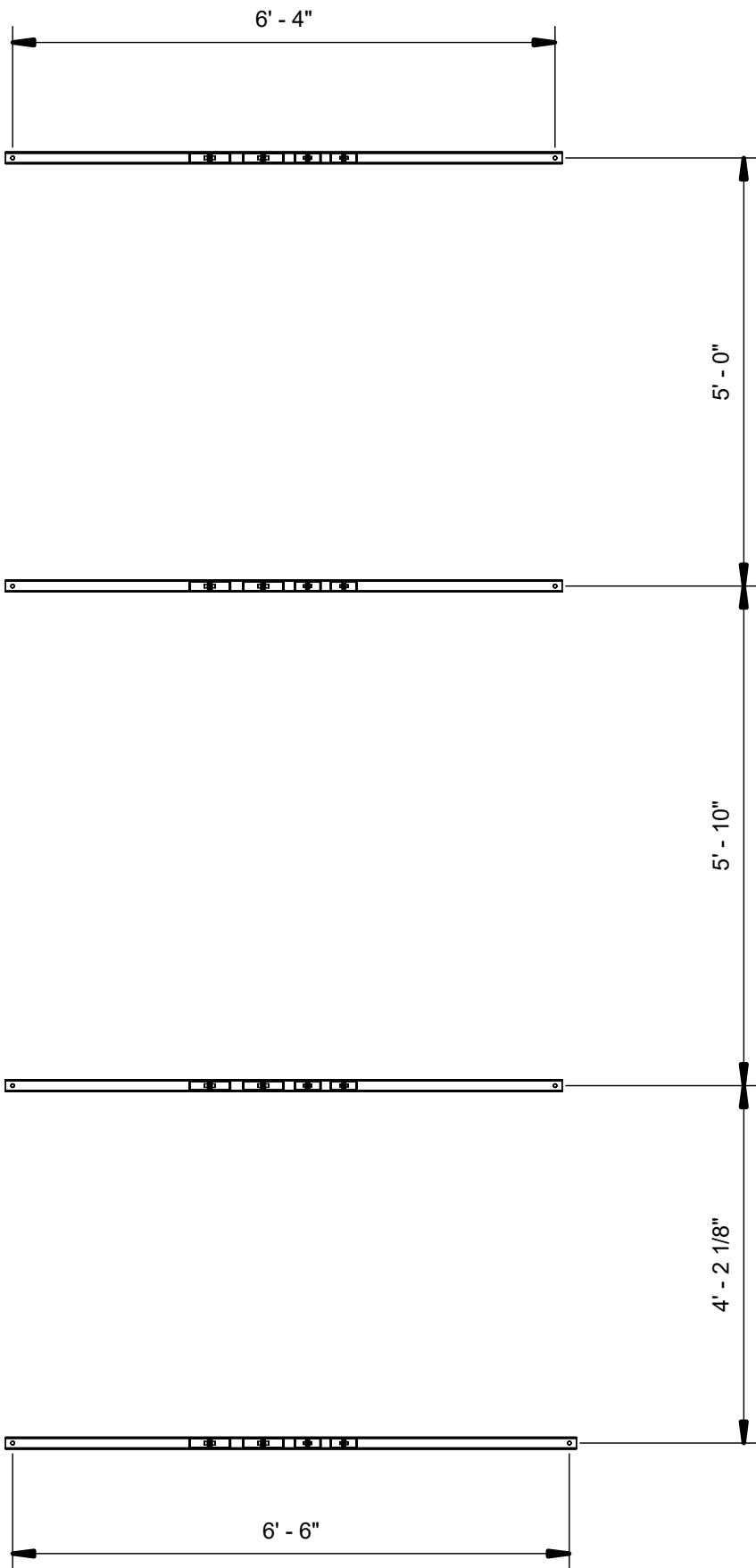
| Mark | Qty | Size | Description | Length | Strut Width | Rod 1 | Rod 2 | Insulation |
|------|-----|------|--|--------|-------------|---------|---------|------------|
| 1 | 8 | 5" | B-Line B2000 ZN Sch 40 Pipe Clamp | | | | | |
| 2 | 8 | 3" | B-Line B2000 ZN Sch 40 Pipe Clamp | | | | | |
| 3 | 1 | 76" | B-Line 1-5/8 GRN 12GA Bk/Bk 2in Slotted Unistrut | | 6' - 8" | 1' - 1" | 2' - 3" | |
| 4 | 3 | 74" | B-Line 1-5/8 GRN 12GA Bk/Bk 2in Slotted Unistrut | | 6' - 6" | 1' - 1" | 2' - 3" | |



1 ISOMETRIC
SCALE:



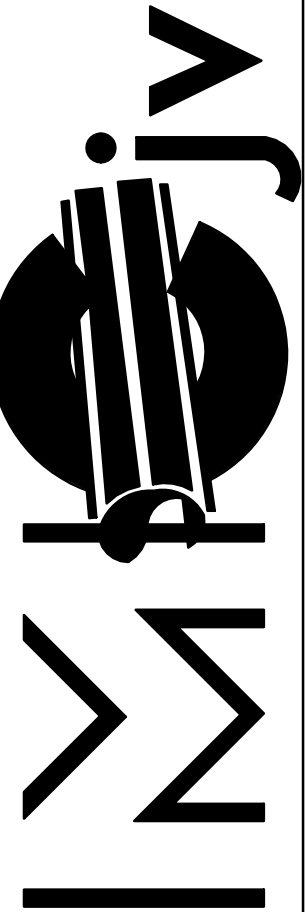
2 FRONT ELEVATION
SCALE: 1/2" = 1'-0"



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

| | | | |
|----|----|----|----|
| A1 | A3 | B1 | B3 |
| A2 | A4 | B2 | B4 |

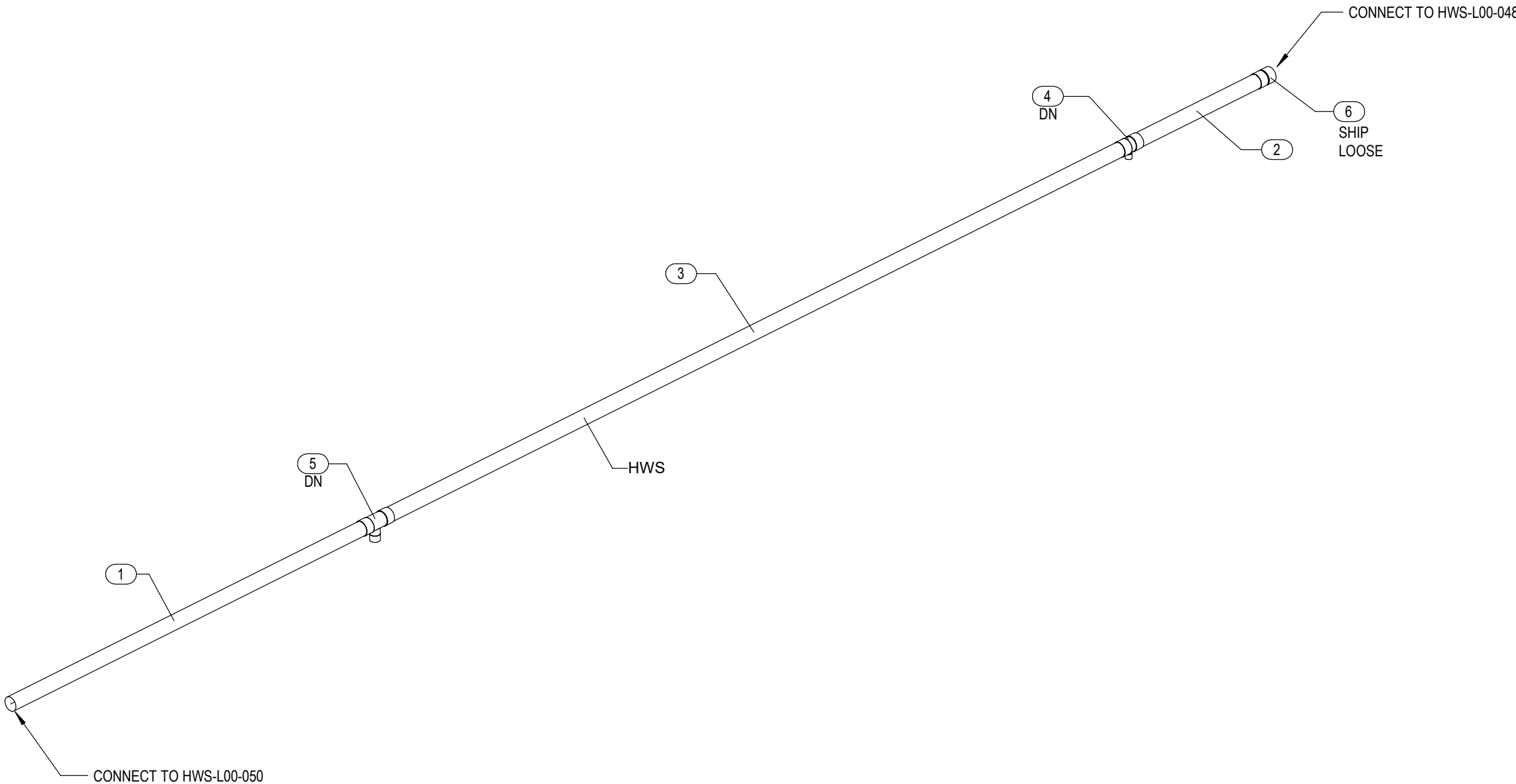
| | |
|------------------|---------------|
| JOB: | WASH U NRB |
| TICKET: | HPHGR-L00-049 |
| Drawn By: Author | |
| DATE: 05/14/21 | DATE REQ: |



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St. Louis, Mo 63132-2303
314-997-6600 phone

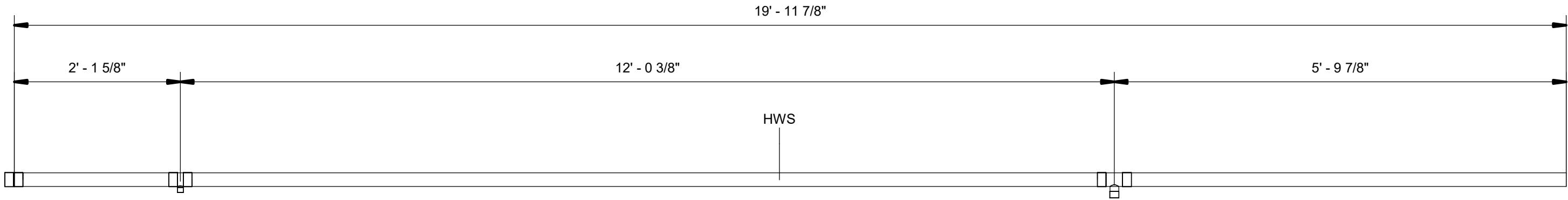
BIM 360://WUSM NRBWUSM_RB_HPF.rvt
6/3/2021 9:45:30 AM

| Mark | Qty | Size | Description | Length | Strut Width | Rod 1 | Rod 2 | Insulation |
|------|-----|-----------|--|-------------|-------------|-------|-------|------------|
| 1 | 1 | 2" | Cerro Type K Hard Copper Pipe | 5'-8 9/16" | | | | 1 1/2" |
| 2 | 1 | 2" | Cerro Type K Hard Copper Pipe | 2'-1 1/4" | | | | 1 1/2" |
| 3 | 1 | 2" | Cerro Type K Hard Copper Pipe | 11'-10 5/8" | | | | 1 1/2" |
| 4 | 1 | 2"x3/4" | Nibco Wrot 611R CxCxC Reducing Tee | | | | | 1 1/2" |
| 5 | 1 | 2"x1 1/4" | Nibco Wrot 611R CxCxC Reducing Tee | | | | | 1 1/2" |
| 6 | 1 | 2" | Nibco Wrot 600 Dimpled Stop Coupling CxC | | | | | 1 1/2" |



1 ISOMETRIC

SCALE:

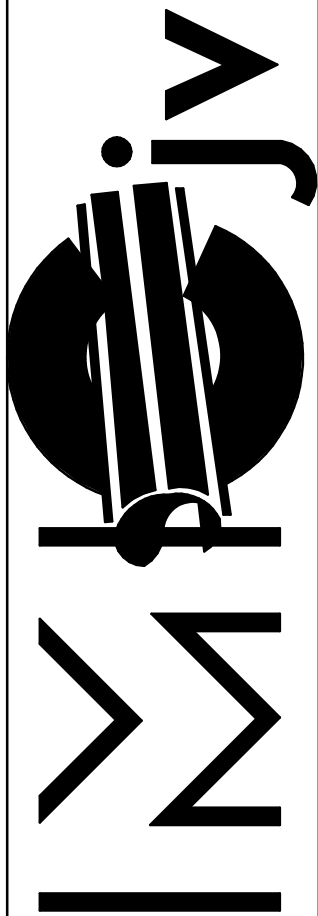


2 LEFT ELEVATION

SCALE: 3/4" = 1'-0"

| | | | |
|----|----|----|----|
| A1 | A3 | B1 | B3 |
| A2 | A4 | B2 | B4 |

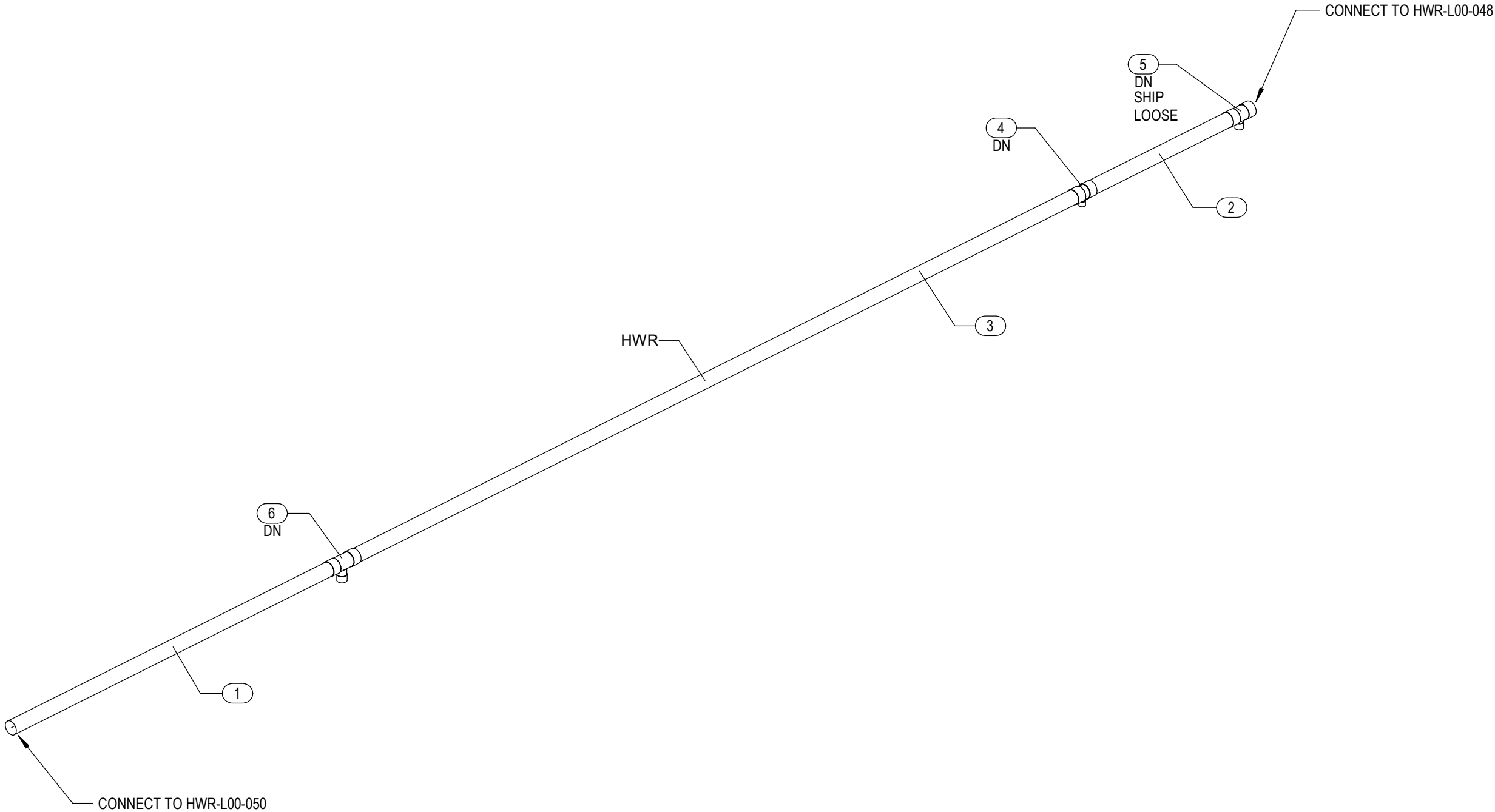
JOB: WASH U NRB
TICKET: HWS-L00-049
Drawn By: Author
DATE: 05/27/21
DATE REQ:



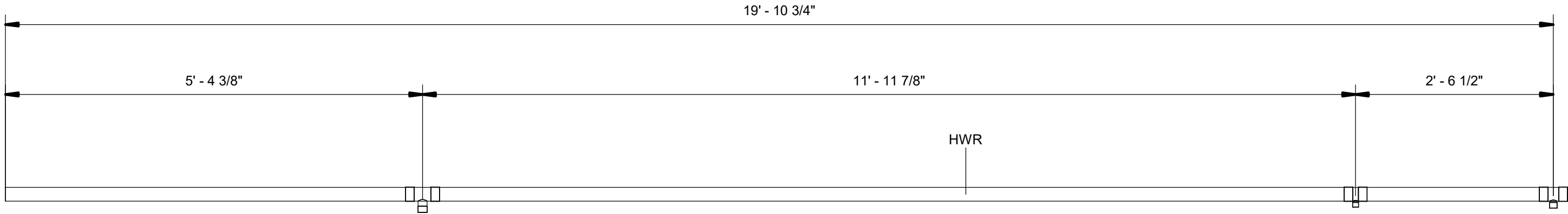
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRBWUSM_RB_HPF.rvt
6/3/2021 9:43:23 AM

| Mark | Qty | Size | Description | Length | Strut Width | Rod 1 | Rod 2 | Insulation |
|------|-----|-----------|------------------------------------|-------------|-------------|-------|-------|------------|
| 1 | 1 | 2" | Cerro Type K Hard Copper Pipe | 5'-3 1/16" | | | | 1 1/2" |
| 2 | 1 | 2" | Cerro Type K Hard Copper Pipe | 2'-5 3/16" | | | | 1 1/2" |
| 3 | 1 | 2" | Cerro Type K Hard Copper Pipe | 11'-10 1/8" | | | | 1 1/2" |
| 4 | 1 | 2"x3/4" | Nibco Wrot 611R CxCxC Reducing Tee | | | | | 1 1/2" |
| 5 | 1 | 2"x1" | Nibco Wrot 611R CxCxC Reducing Tee | | | | | 1 1/2" |
| 6 | 1 | 2"x1 1/4" | Nibco Wrot 611R CxCxC Reducing Tee | | | | | 1 1/2" |



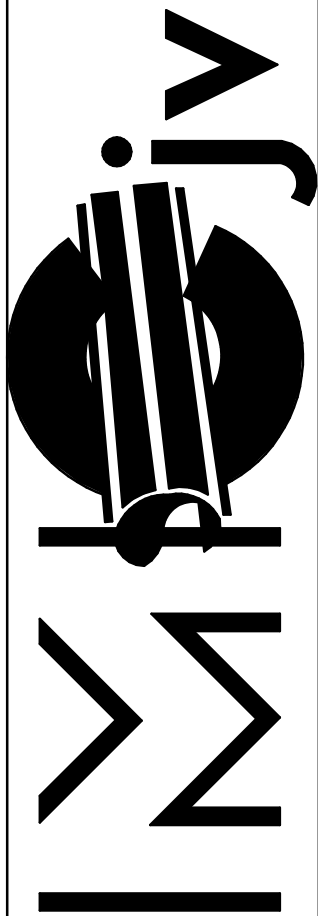
1 ISOMETRIC
SCALE:



2 RIGHT ELEVATION
SCALE: 3/4" = 1'-0"

| | | | |
|----|----|----|----|
| A1 | A3 | B1 | B3 |
| A2 | A4 | B2 | B4 |

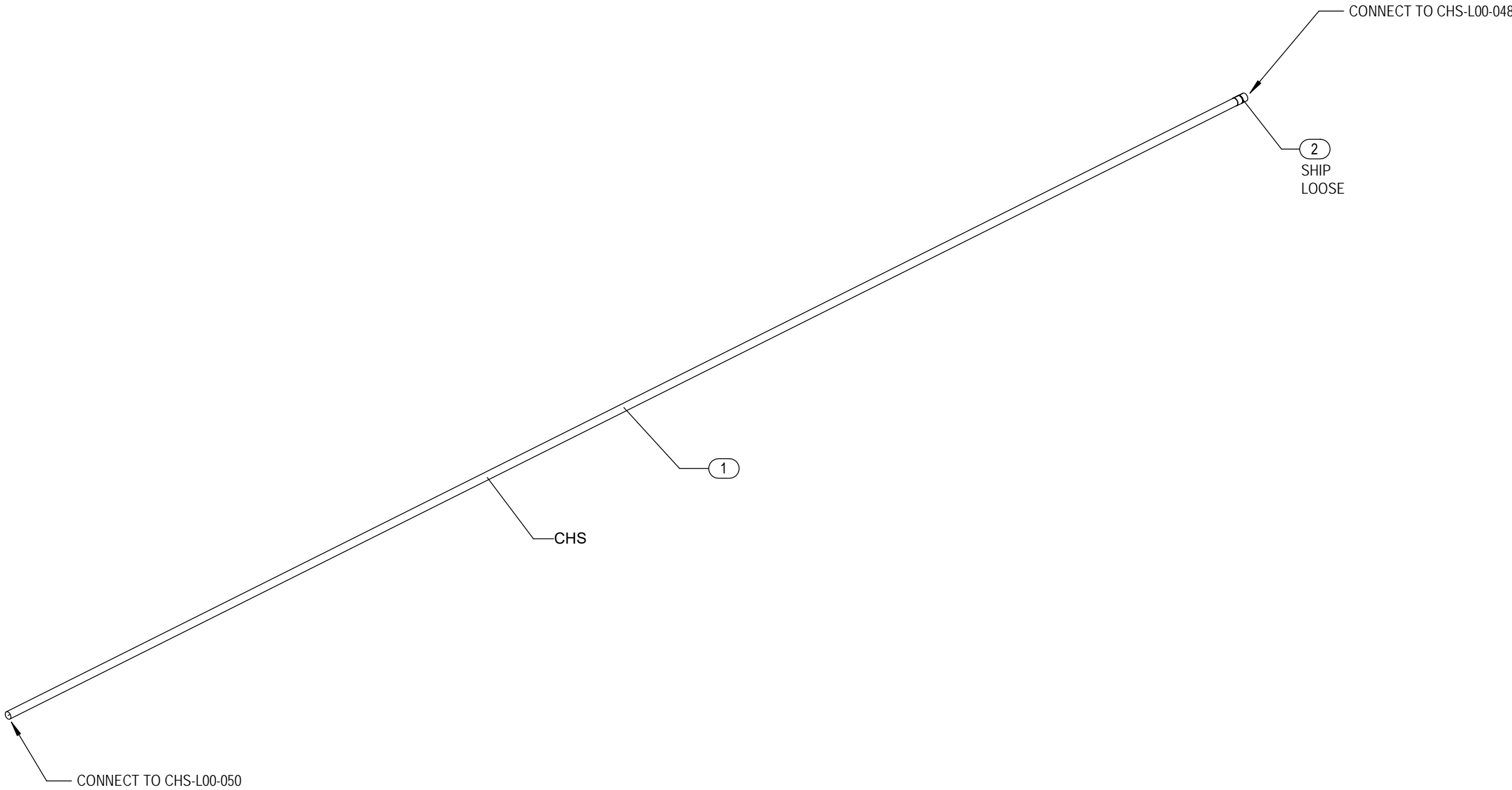
JOB: WASH U NRB
TICKET: HWR-L00-049
Drawn By: Author
DATE: 05/27/21
DATE REQ:



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St. Louis, Mo 63132-2303
314-997-6600 phone

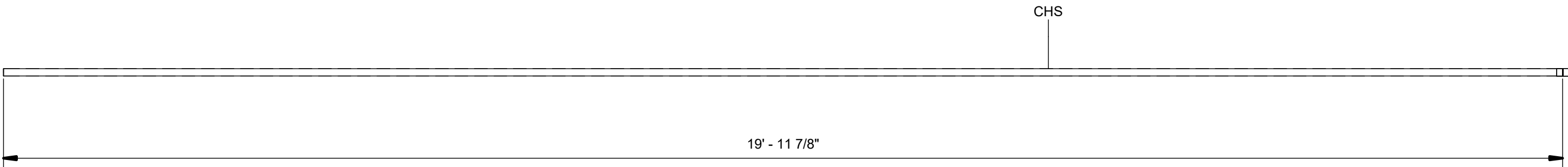
BIM 360//WUSM NRBWUSM_RB_HPF.rvt
6/1/2021 3:28:03 PM

| Mark | Qty | Size | Description | Length | Strut Width | Rod 1 | Rod 2 | Insulation |
|------|-----|------|--|-------------|-------------|-------|-------|------------|
| 1 | 1 | 1" | Cerro Type K Hard Copper Pipe | 19'-11 7/8" | | | | 1" |
| 2 | 1 | 1" | Nibco Wrot 600 Dimpled Stop Coupling CxC | | | | | 1" |



1 ISOMETRIC7

SCALE:



2 RIGHT ELEVATION7

SCALE: 3/4" = 1'-0"

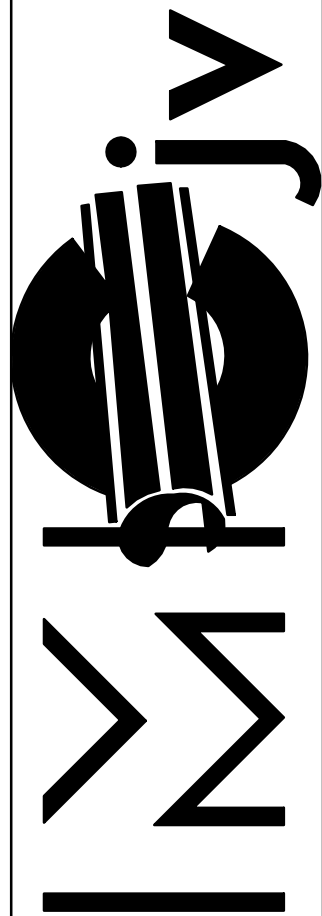
| | | | |
|----|----|----|----|
| A1 | A3 | B1 | B3 |
| A2 | A4 | B2 | B4 |

JOB: WASH U NRB

TICKET: CHS-L00-049

Drawn By: Author

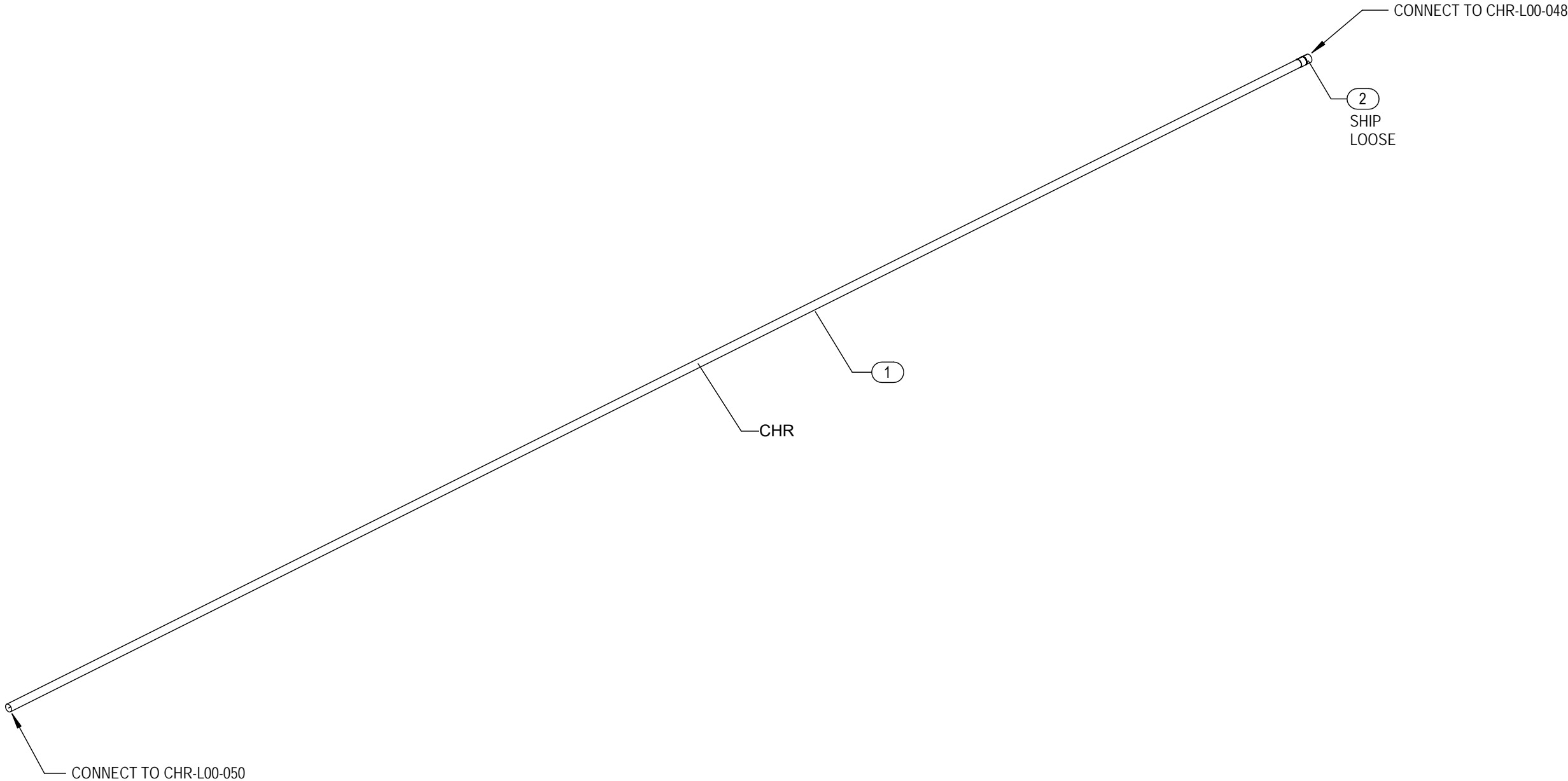
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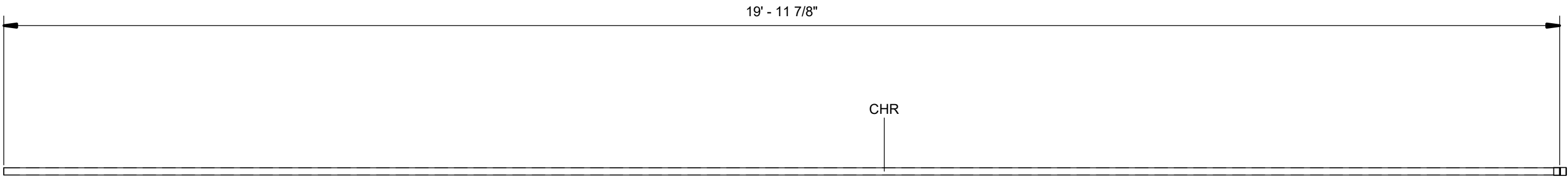
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360//WUSM NRBWUSM RB HPF.rvt
6/1/2021 3:44:20 PM

| Mark | Qty | Size | Description | Length | Strut Width | Rod 1 | Rod 2 | Insulation |
|------|-----|------|--|-------------|-------------|-------|-------|------------|
| 1 | 1 | 1" | Cerro Type K Hard Copper Pipe | 19'-11 7/8" | | | | 1" |
| 2 | 1 | 1" | Nibco Wrot 600 Dimpled Stop Coupling CxC | | | | | 1" |



1 ISOMETRIC4
SCALE:



2 RIGHT ELEVATION4
SCALE: 3/4" = 1'-0"

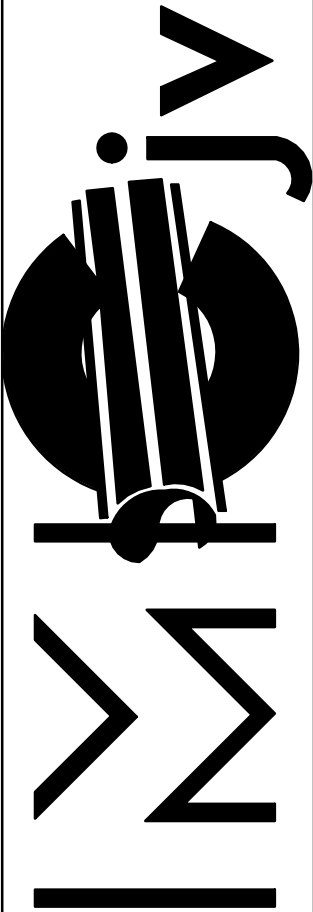
| | | | |
|----|----|----|----|
| A1 | A3 | B1 | B3 |
| A2 | A4 | B2 | B4 |

JOB: WASH U NRB

TICKET: CHR-L00-049

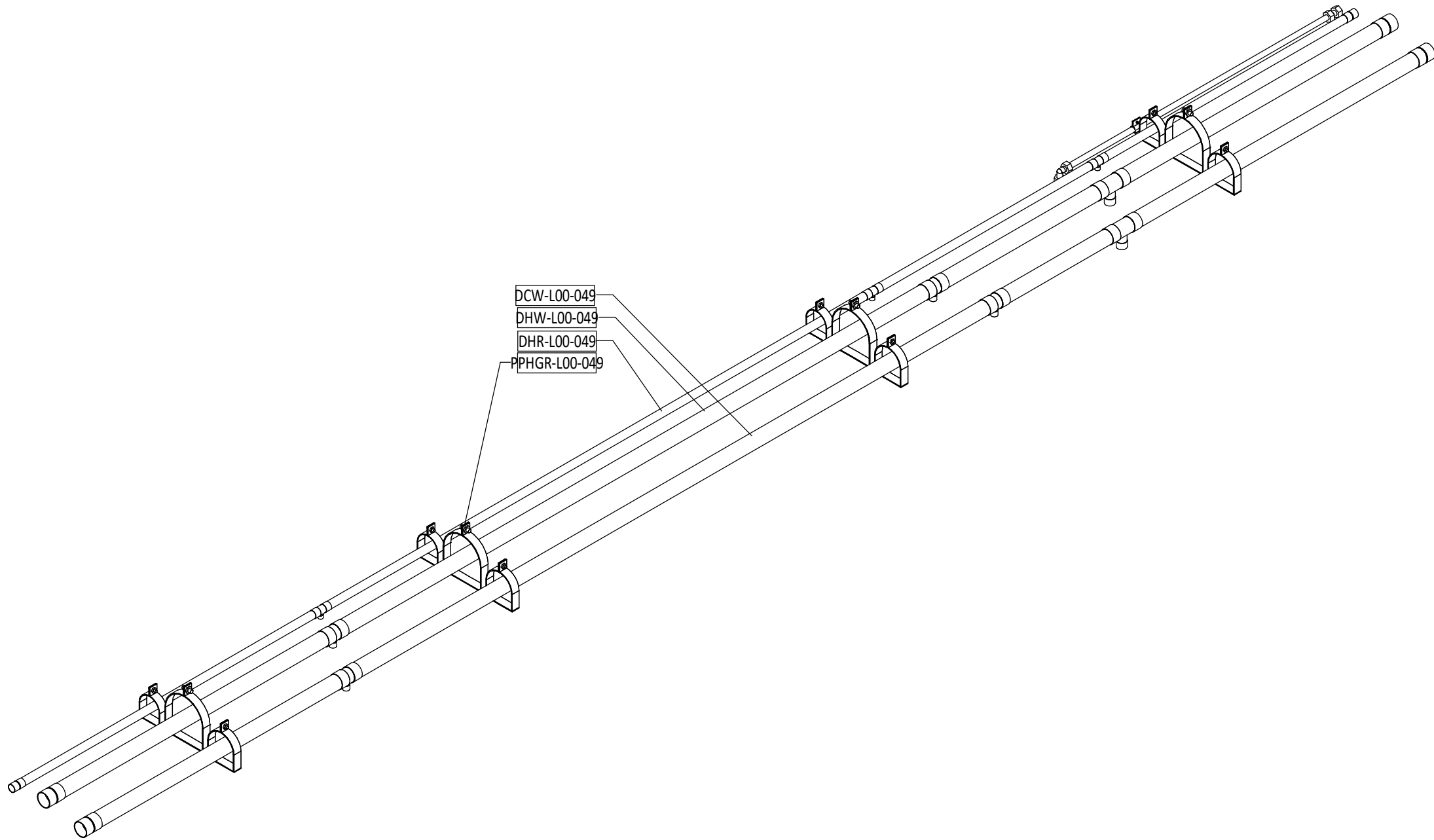
Drawn By: Author

DATE: 05/27/21 DATE REQ:



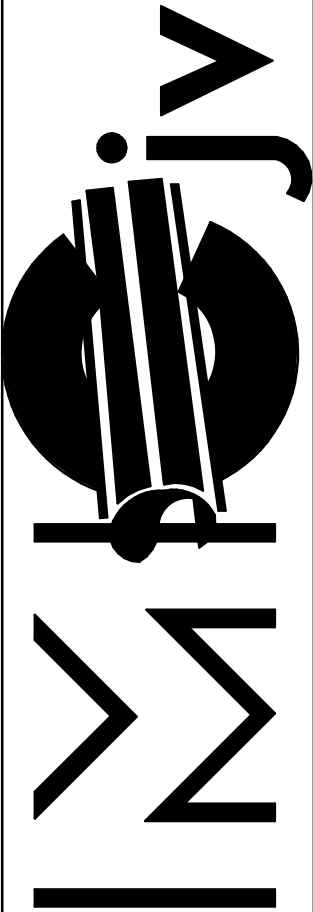
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRB/WUSM RB_PLF.rvt
6/4/2021 10:24:36 AM



1 **PP-L00-049**
SCALE:

| | | | |
|----|----|----|----|
| A1 | A3 | B1 | B3 |
| A2 | A4 | B2 | B4 |



1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

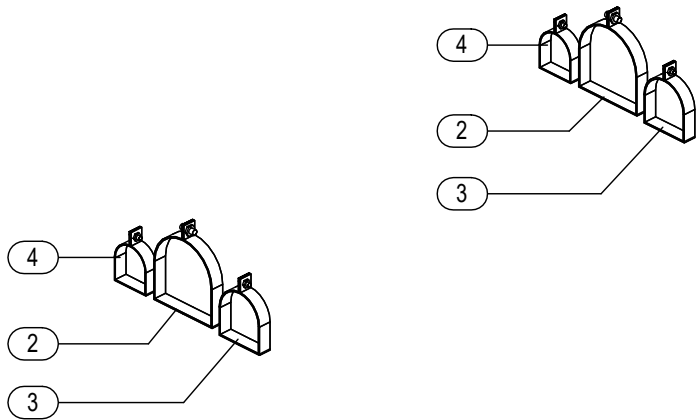
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TICKET:

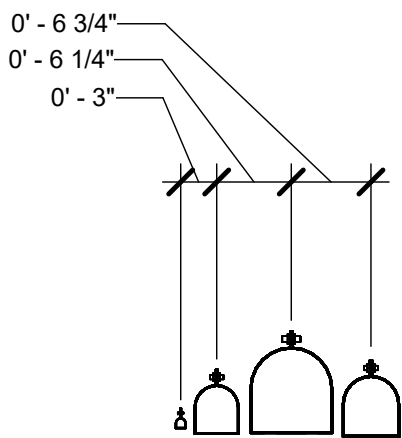
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DATE: 06/04/21 DATE REQ:

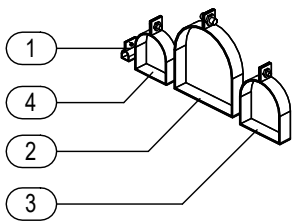
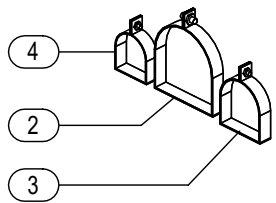
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6/3/2021 3:01:32 PM



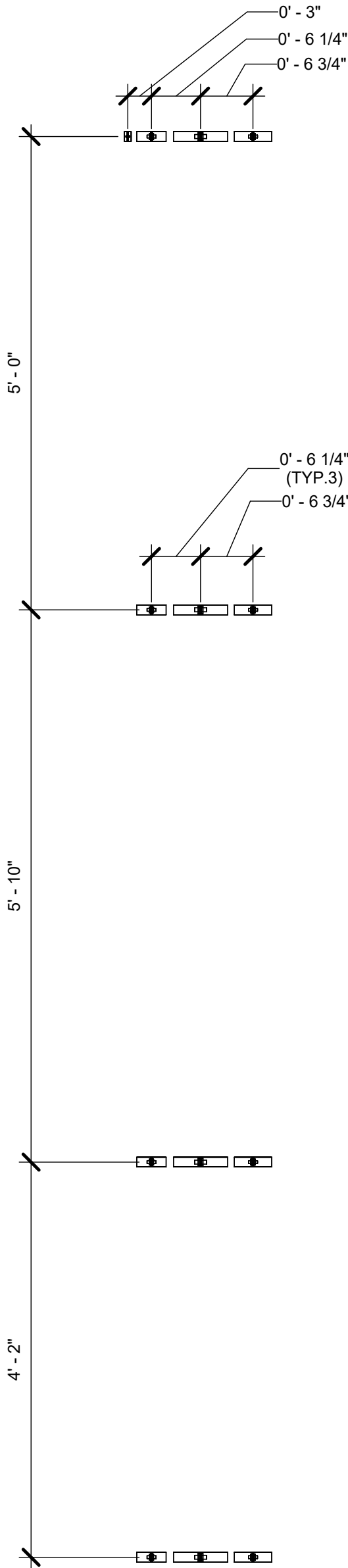
1 ISOMETRIC
SCALE:



2 FRONT ELEVATION
SCALE: 3/4" = 1'-0"



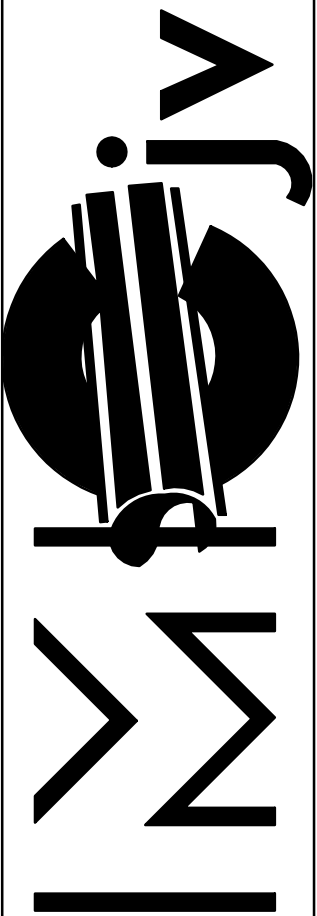
| Mark | Qty | Size | Description | Length | Strut Width | Rod 1 | Rod 2 | Insulation |
|------|-----|------|---|--------|-------------|-------|-------|------------|
| 1 | 1 | 0.5" | B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN | | | | | |
| 2 | 4 | 6" | B-Line B2000 ZN Sch 40 Pipe Clamp | | | | | |
| 3 | 4 | 4" | B-Line B2000 ZN Sch 40 Pipe Clamp | | | | | |
| 4 | 4 | 3" | B-Line B2000 ZN Sch 40 Pipe Clamp | | | | | |



3 TOP VIEW
SCALE: 3/4" = 1'-0"

| | | | |
|----|----|----|----|
| A1 | A3 | B1 | B3 |
| A2 | A4 | B2 | B4 |

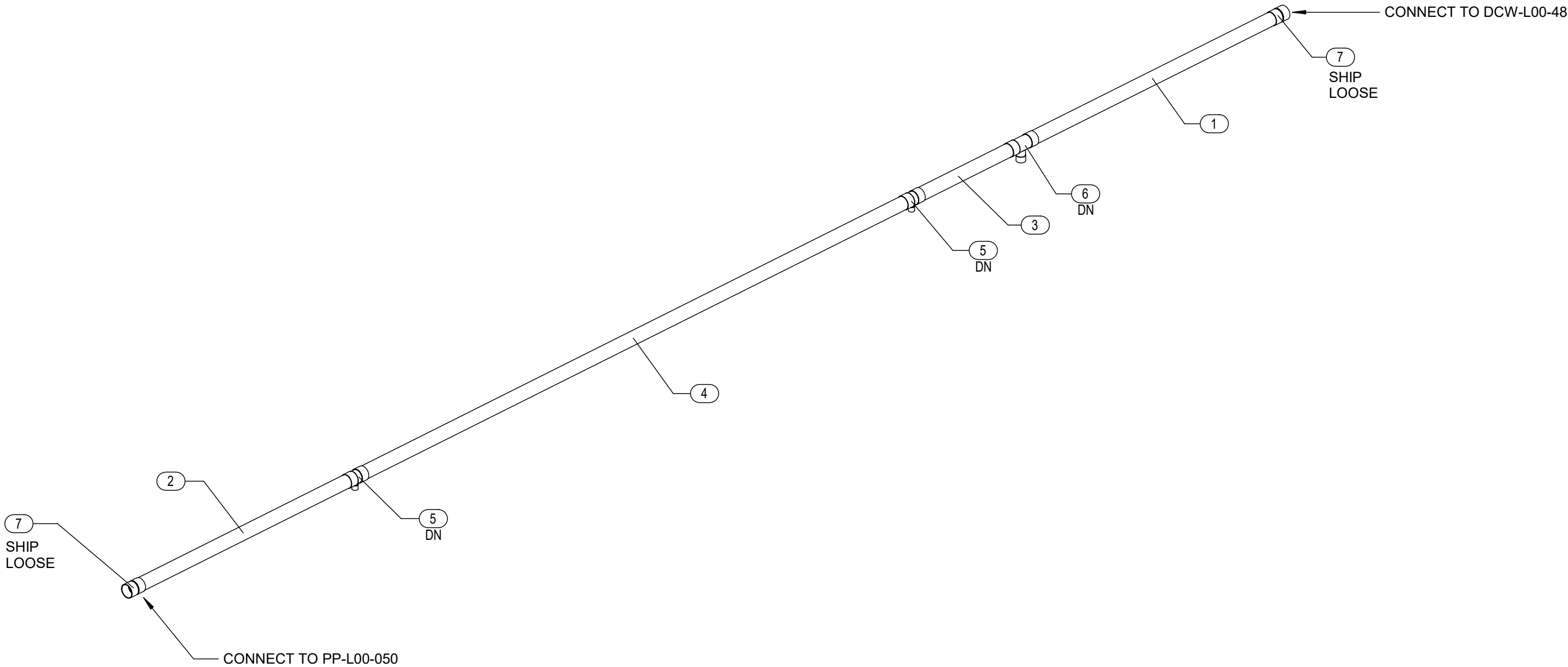
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|------------------|---------------|
| JOB: | WASH U NRB |
| TICKET: | PPHGR-L00-049 |
| Drawn By: Author | |
| DATE: 06/02/21 | DATE REQ: |



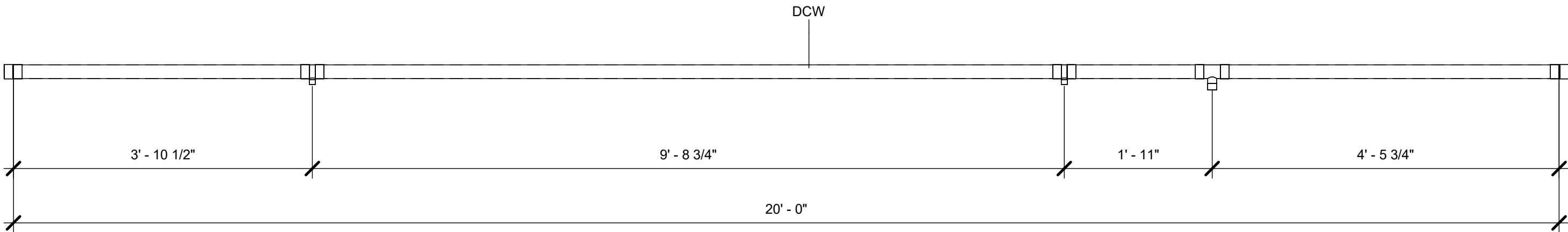
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRB/WUSM RB_PLF.rvt
6/4/2021 10:25:50 AM

| Mark | Qty | Size | Description | Length | Strut Width | Rod 1 | Rod 2 | Insulation |
|------|-----|-----------|--|-------------|-------------|-------|-------|------------|
| 1 | 1 | 2" | Cerro Type L Hard Copper Pipe | 4'-4 9/16" | | | | 1" |
| 2 | 1 | 2" | Cerro Type L Hard Copper Pipe | 3'-9 15/16" | | | | 1" |
| 3 | 1 | 2" | Cerro Type L Hard Copper Pipe | 1'-9 1/4" | | | | 1" |
| 4 | 1 | 2" | Cerro Type L Hard Copper Pipe | 9'-7 13/16" | | | | 1" |
| 5 | 2 | 2"x3/4" | Nibco Wrot 611R CxCxC Reducing Tee | | | | | 1" |
| 6 | 1 | 2"x1 1/4" | Nibco Wrot 611R CxCxC Reducing Tee | | | | | 1" |
| 7 | 2 | 2" | Nibco Wrot 600 Dimpled Stop Coupling CxC | | | | | 1" |



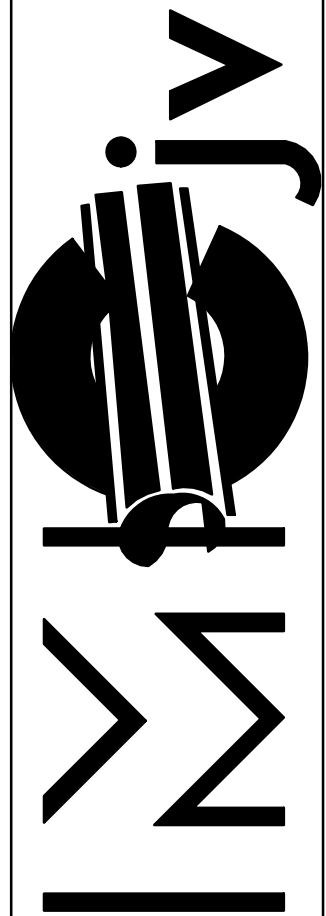
1 ISOMETRIC
SCALE:



2 RIGHT ELEVATION
SCALE: 3/4" = 1'-0"

| | | | |
|----|----|----|----|
| A1 | A3 | B1 | B3 |
| A2 | A4 | B2 | B4 |

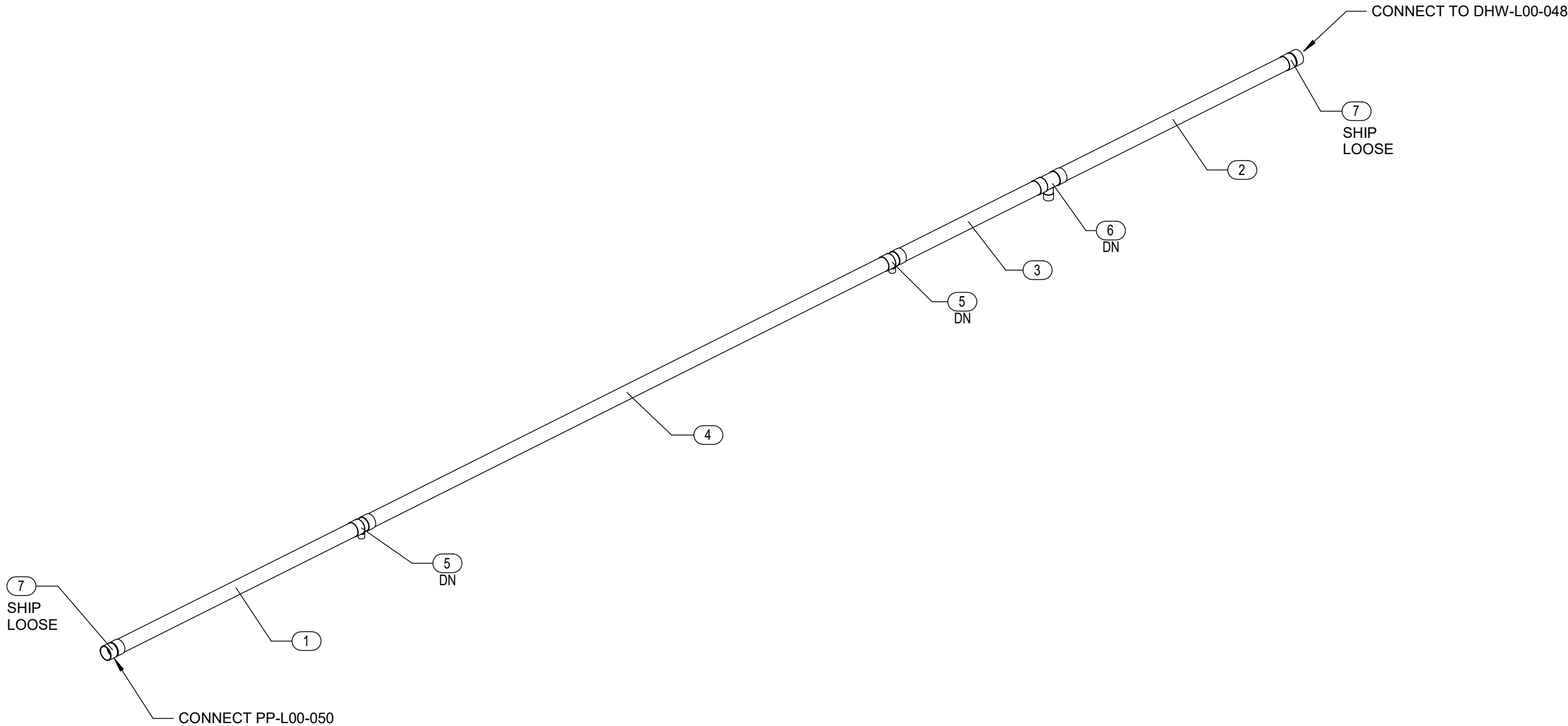
| | |
|------------------|-------------|
| JOB: | WASH U NRB |
| TICKET: | DCW-L00-049 |
| Drawn By: Author | |
| DATE: 05/27/21 | DATE REQ: |



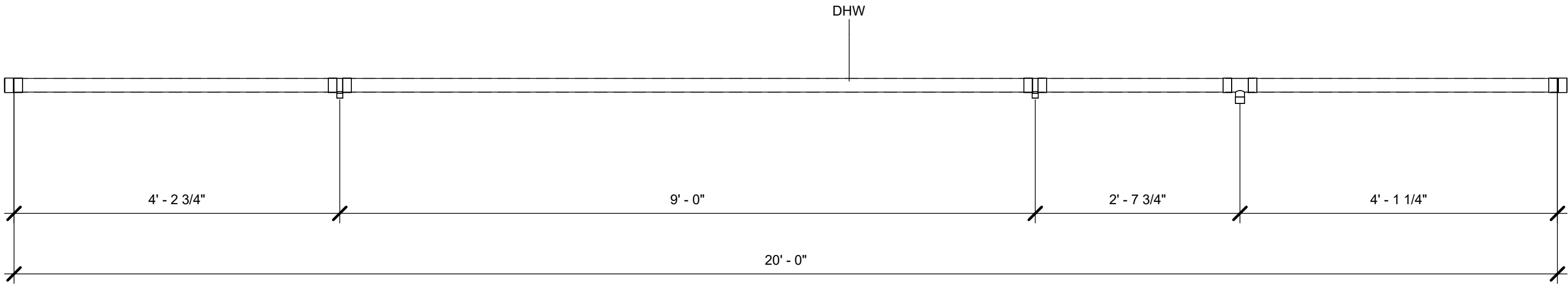
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRB/WUSM RB_PLF.rvt
6/4/2021 11:21:34 AM

| Mark | Qty | Size | Description | Length | Strut Width | Rod 1 | Rod 2 | Insulation |
|------|-----|-----------|--|-------------|-------------|-------|-------|------------|
| 1 | 1 | 2" | Cerro Type L Hard Copper Pipe | 4'-2 3/16" | | | | 2" |
| 2 | 1 | 2" | Cerro Type L Hard Copper Pipe | 4'-0 1/16" | | | | 2" |
| 3 | 1 | 2" | Cerro Type L Hard Copper Pipe | 2'-6 1/8" | | | | 2" |
| 4 | 1 | 2" | Cerro Type L Hard Copper Pipe | 8'-11 3/16" | | | | 2" |
| 5 | 2 | 2"x3/4" | Nibco Wrot 611R CxCxC Reducing Tee | | | | | 2" |
| 6 | 1 | 2"x1 1/4" | Nibco Wrot 611R CxCxC Reducing Tee | | | | | 2" |
| 7 | 2 | 2" | Nibco Wrot 600 Dimpled Stop Coupling CxC | | | | | 2" |



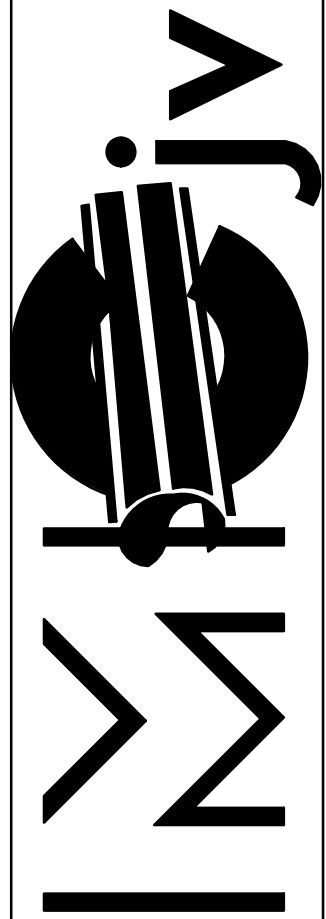
1 ISOMETRIC
SCALE:



2 RIGHT ELEVATION
SCALE: 3/4" = 1'-0"

| | | | |
|----|----|----|----|
| A1 | A3 | B1 | B3 |
| A2 | A4 | B2 | B4 |

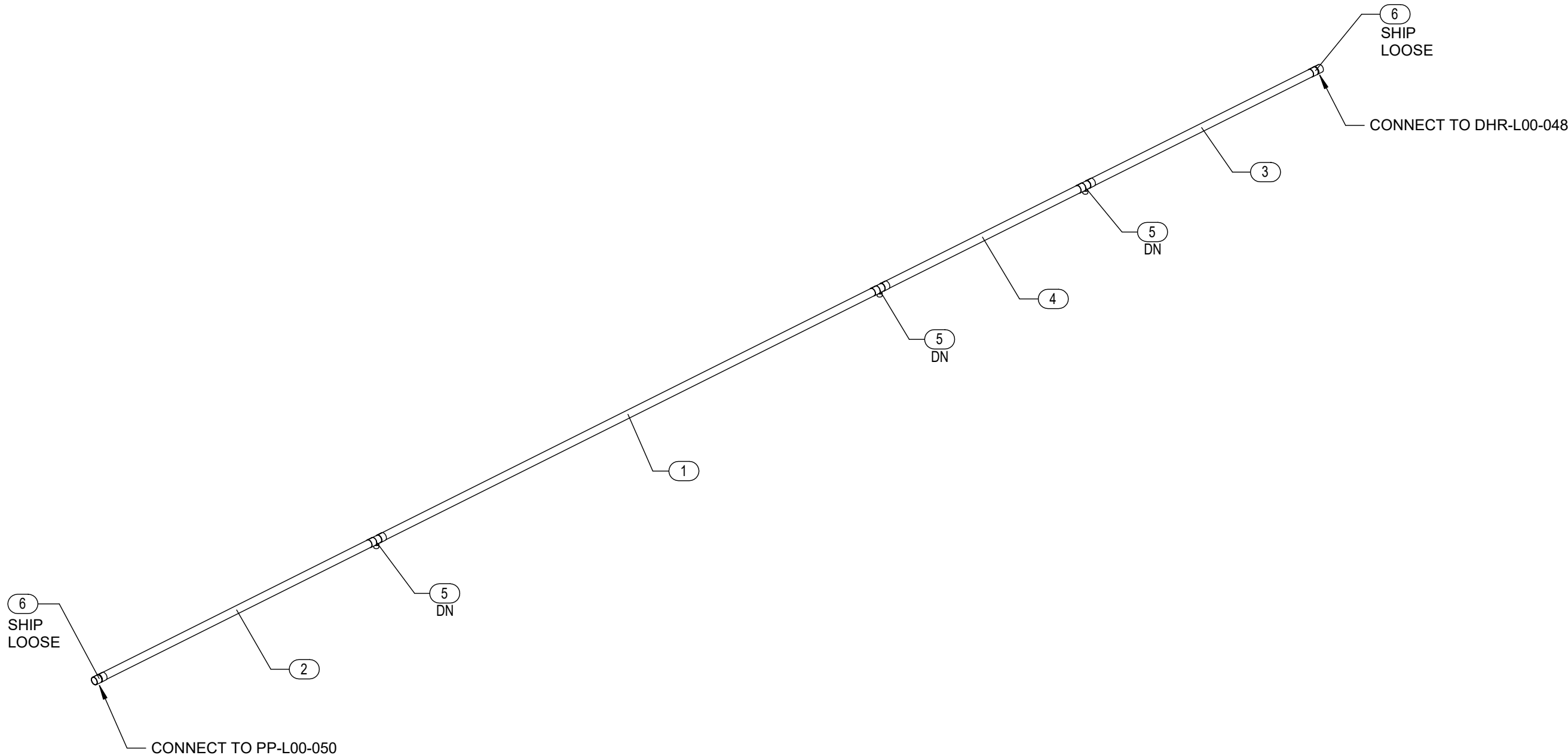
| | |
|------------------|-------------|
| JOB: | WASH U NRB |
| TICKET: | DHW-L00-049 |
| Drawn By: Author | |
| DATE: 05/27/21 | DATE REQ: |



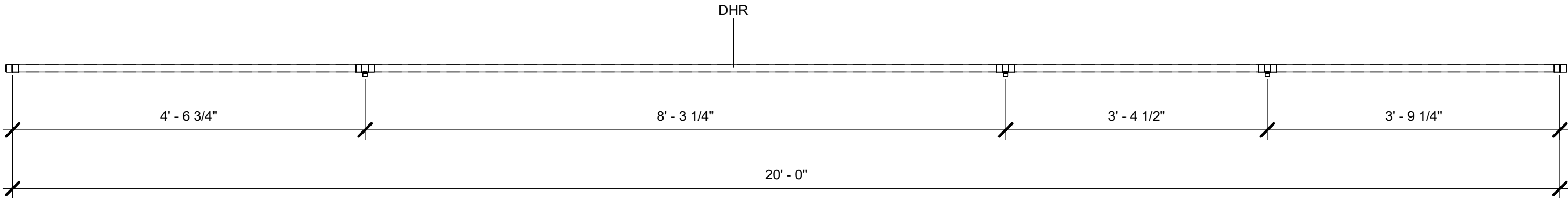
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRB/WUSM RB_PLF.rvt
6/4/2021 10:58:30 AM

| Mark | Qty | Size | Description | Length | Strut Width | Rod 1 | Rod 2 | Insulation |
|------|-----|---------|--|------------|-------------|-------|-------|------------|
| 1 | 1 | 1" | Cerro Type L Hard Copper Pipe | 8'-2 5/16" | | | | 1" |
| 2 | 1 | 1" | Cerro Type L Hard Copper Pipe | 4'-6 1/8" | | | | 1" |
| 3 | 1 | 1" | Cerro Type L Hard Copper Pipe | 3'-8 7/8" | | | | 1" |
| 4 | 1 | 1" | Cerro Type L Hard Copper Pipe | 3'-3 9/16" | | | | 1" |
| 5 | 3 | 1"x1/2" | Nibco Wrot 611R CxCxC Reducing Tee | | | | | 1" |
| 6 | 2 | 1" | Nibco Wrot 600 Dimpled Stop Coupling CxC | | | | | 1" |



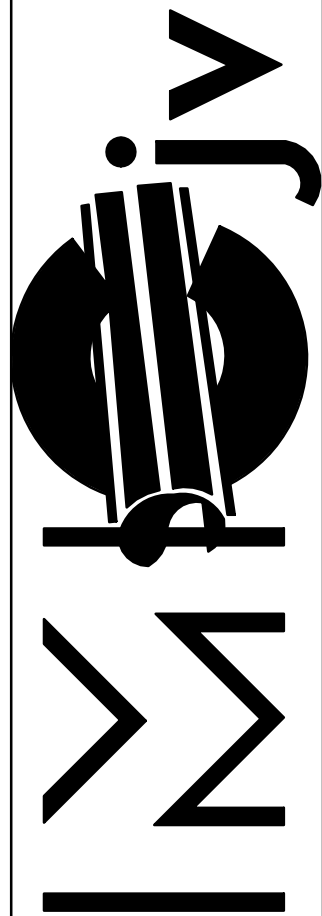
1 ISOMETRIC
SCALE:



2 RIGHT ELEVATION
SCALE: 3/4" = 1'-0"

| | | | |
|----|----|----|----|
| A1 | A3 | B1 | B3 |
| A2 | A4 | B2 | B4 |

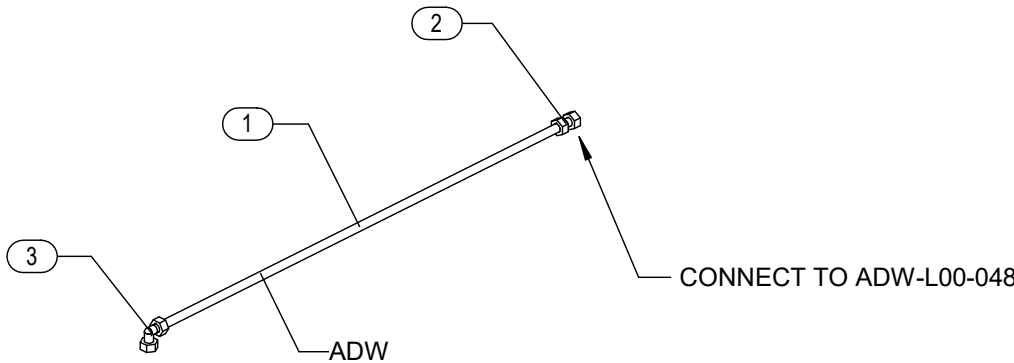
| | |
|------------------|-------------|
| JOB: | WASH U NRB |
| TICKET: | DHR-L00-049 |
| Drawn By: Author | |
| DATE: 05/27/21 | DATE REQ: |



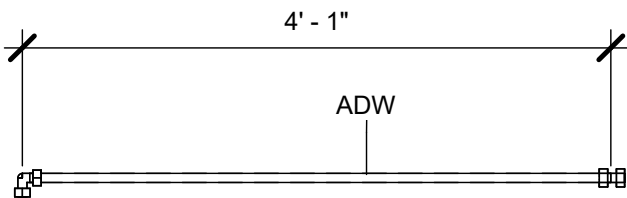
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRB/WUSM_RB_PLF.rvt
6/4/2021 9:45:51 AM

| Mark | Qty | Size | Description | Length | Strut Width | Rod 1 | Rod 2 | Insulation |
|------|-----|------|--|------------|-------------|-------|-------|------------|
| 1 | 1 | 3/4" | Swagelok SS316L 065 Wall Compression Seamless Tubing | 4'-0 7/16" | | | | |
| 2 | 1 | 3/4" | Swagelok SS316 Compression Union Coupling | | | | | |
| 3 | 1 | 3/4" | Swagelok SS316 Compression Union 90 Elbow | | | | | |



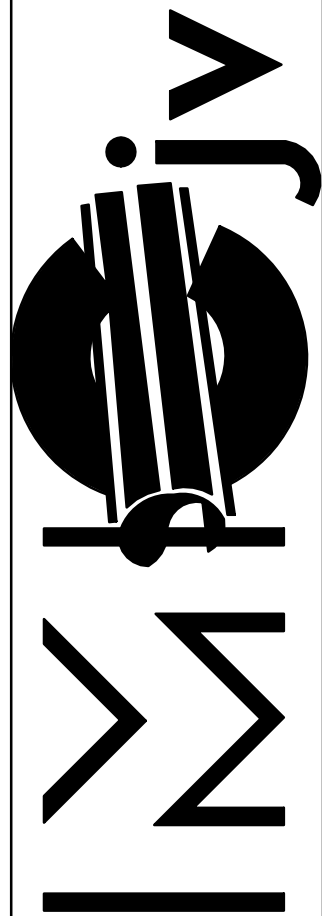
1 ISOMETRIC
SCALE:



2 RIGHT ELEVATION
SCALE: 3/4" = 1'-0"

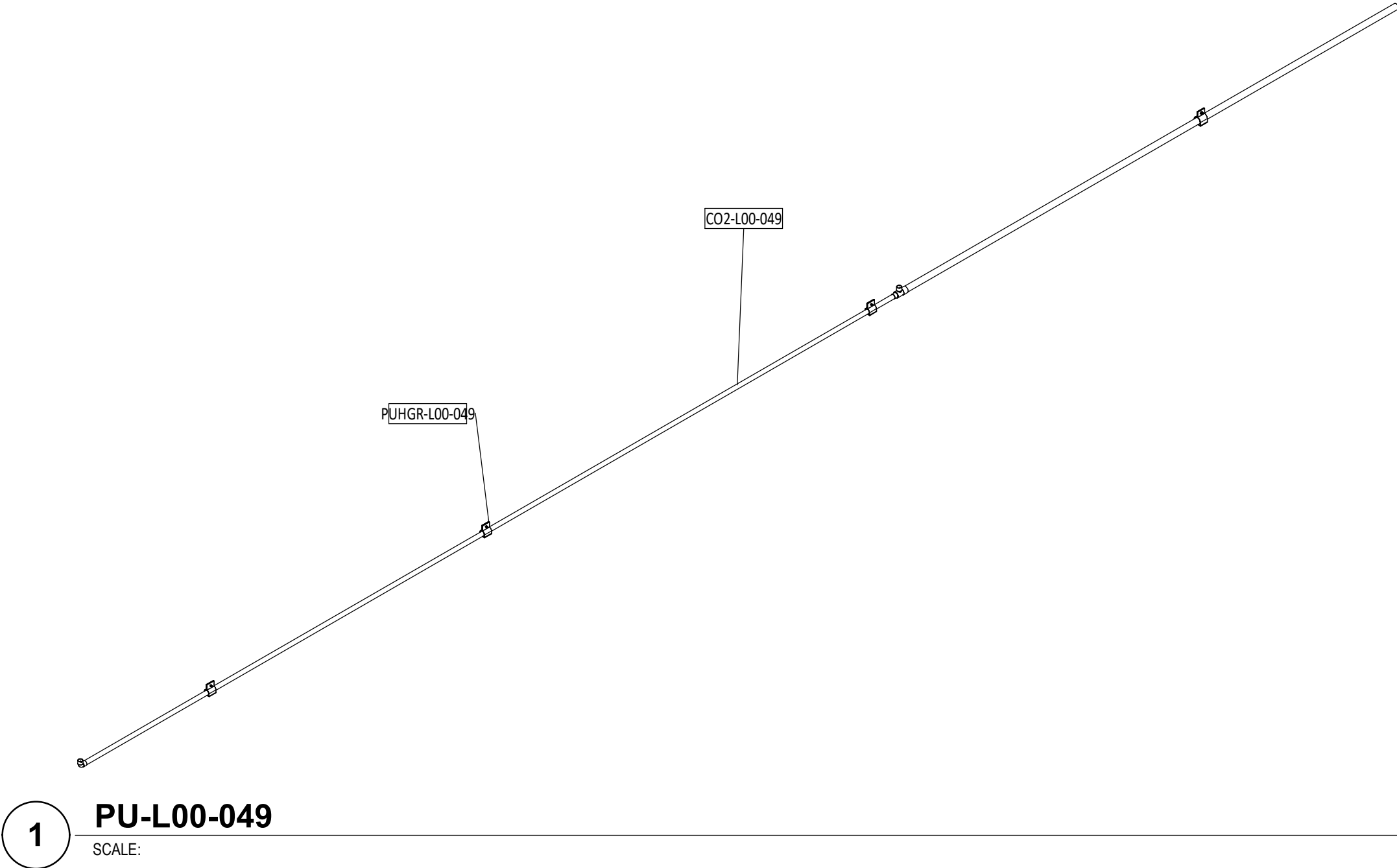
| | | | |
|----|----|----|----|
| A1 | A3 | B1 | B3 |
| A2 | A4 | B2 | B4 |

| | |
|------------------|-------------|
| JOB: | WASH U NRB |
| TICKET: | ADW-L00-049 |
| Drawn By: Author | |
| DATE: 06/03/21 | DATE REQ: |



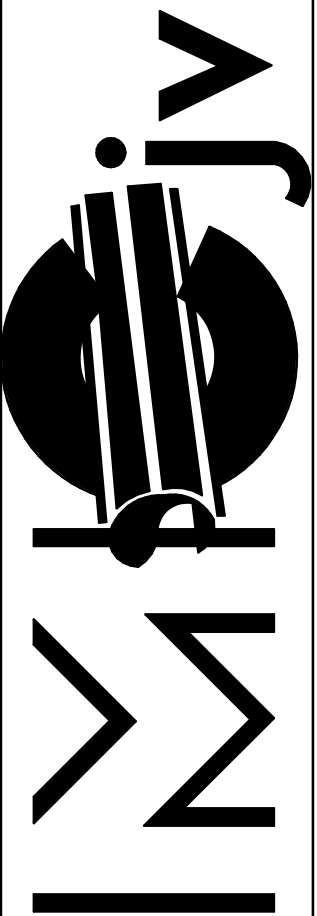
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360//WUSM NRBWUSM_RB_PUF.rvt
6/3/2021 5:18:32 PM



1 **PU-L00-049**
SCALE:

| | | | |
|----|----|----|----|
| A1 | A3 | B1 | B3 |
| A2 | A4 | B2 | B4 |



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JOB: WASH U NRB

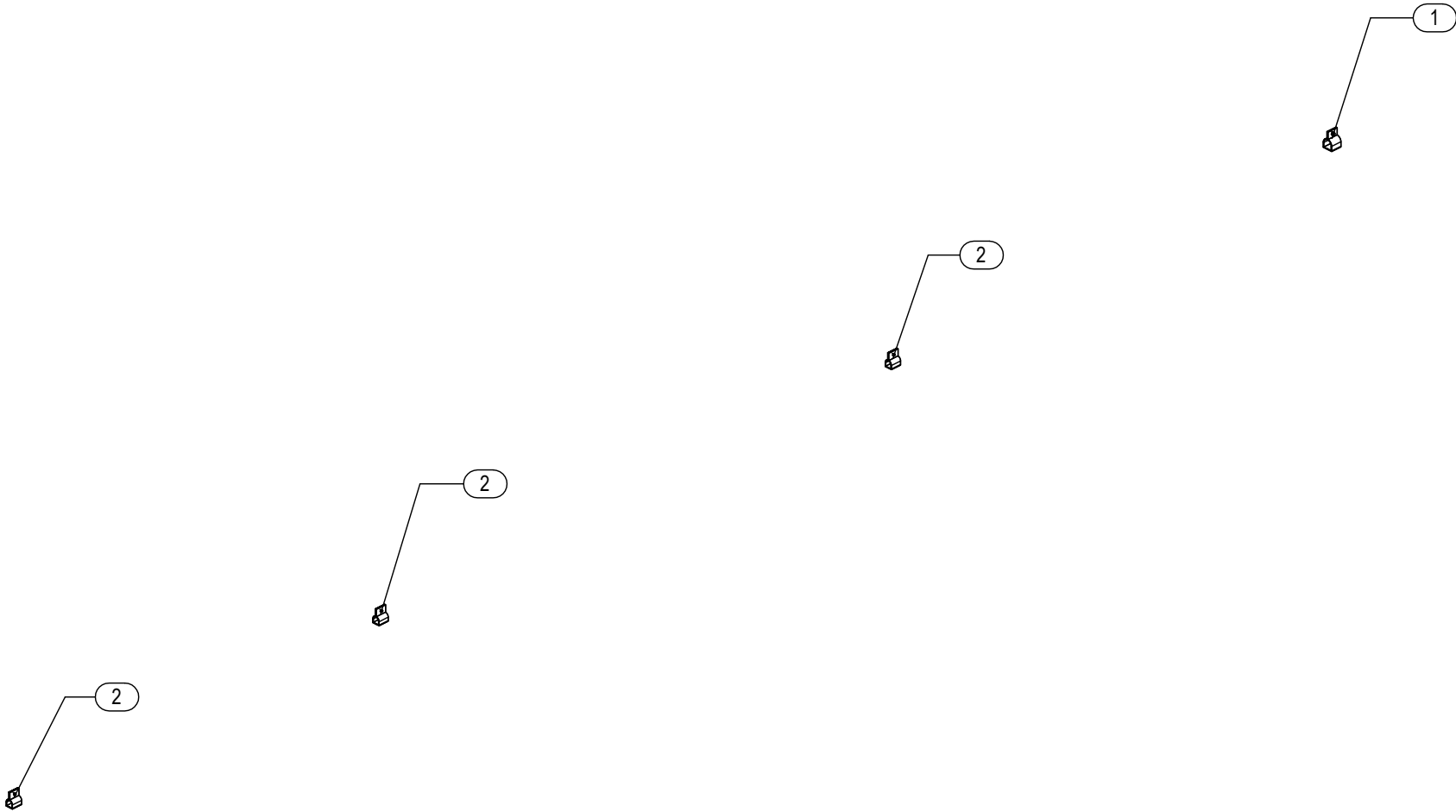
TICKET:

Drawn By: Author

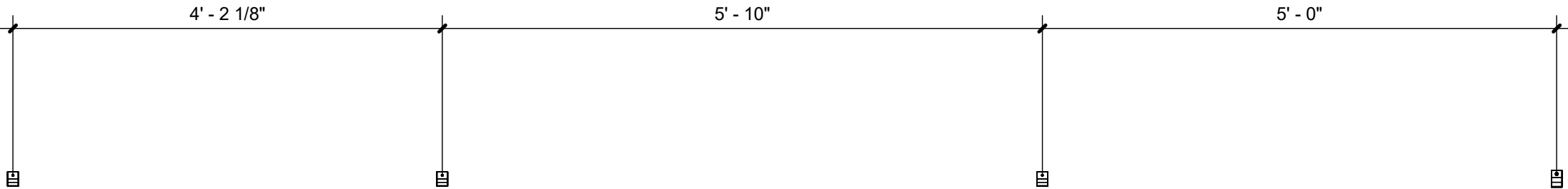
DATE: 06/03/21 DATE REQ:

BIM 360/WUSM NRBWUSM RB_PUF.rvt
6/2/2021 10:12:28 AM

| Mark | Qty | Size | Description | Length | Strut Width | Rod 1 | Rod 2 | Insulation |
|------|-----|-------|---|--------|-------------|-------|-------|------------|
| 1 | 1 | 0.63" | B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN | | | | | |
| 2 | 3 | 0.5" | B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN | | | | | |



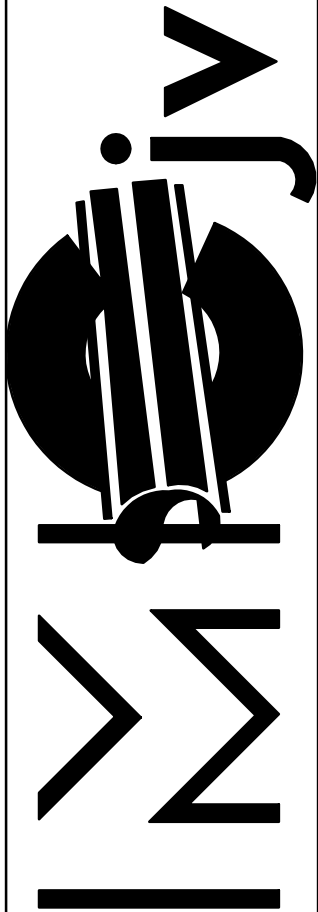
1 ISOMETRIC
SCALE:



2 RIGHT ELEVATION
SCALE: 3/4" = 1'-0"

| | | | |
|----|----|----|----|
| A1 | A3 | B1 | B3 |
| A2 | A4 | B2 | B4 |

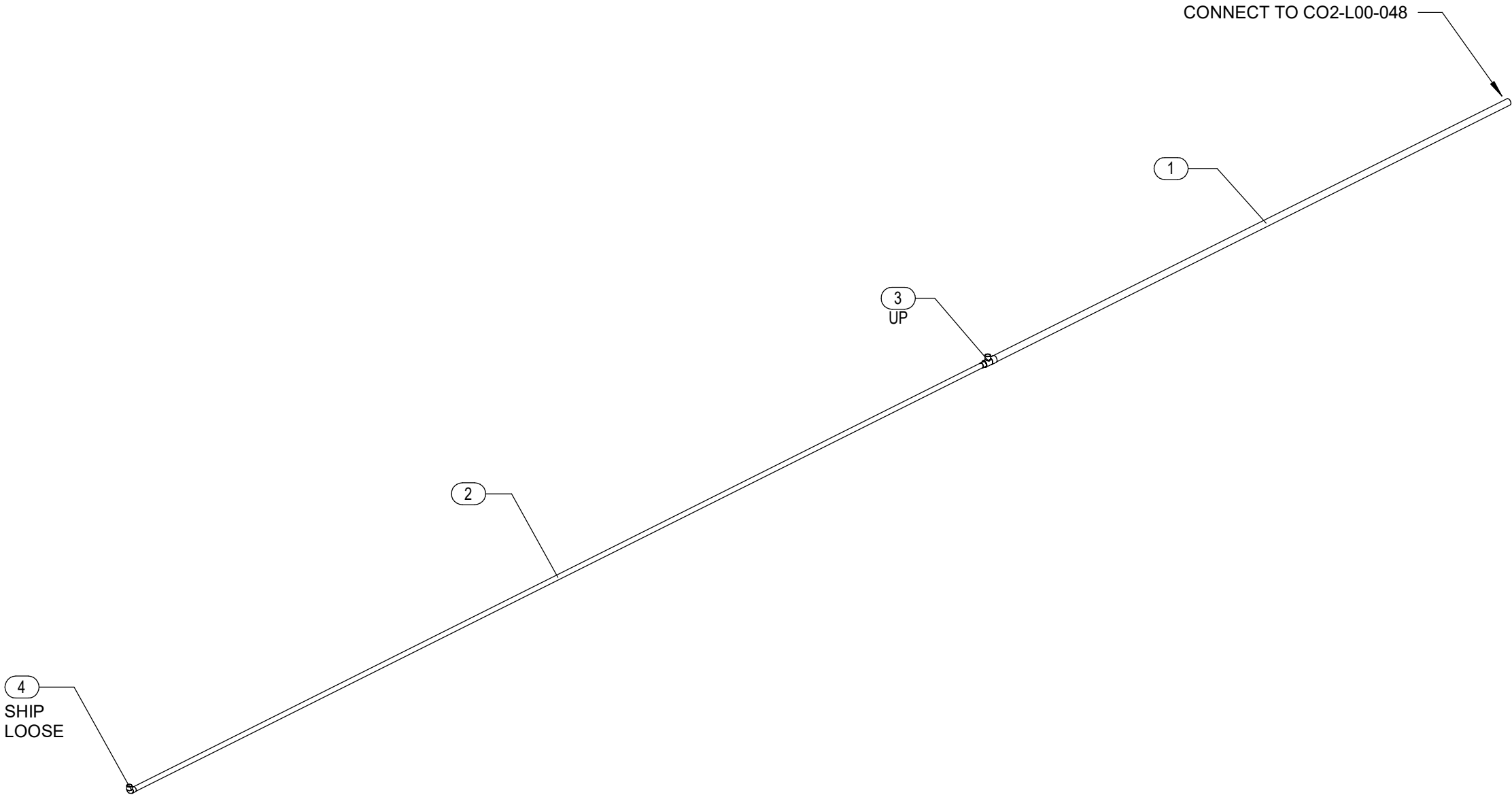
| | |
|------------------|---------------|
| JOB: | WASH U NRB |
| TICKET: | PUHGR-L00-049 |
| Drawn By: Author | |
| DATE: 06/01/21 | DATE REQ: |



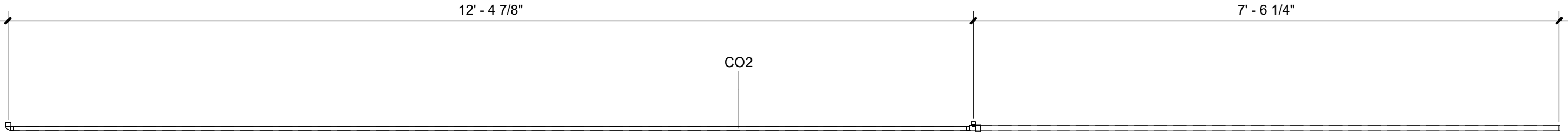
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BIM 360://WUSM NRBWUSM_RB_PUF.rvt
6/3/2021 4:40:29 PM

| Mark | Qty | Size | Description | Length | Strut Width | Rod 1 | Rod 2 | Insulation |
|------|-----|----------------|---|--------------|-------------|-------|-------|------------|
| 1 | 1 | 3/4" | Cerro Type L Hard Copper - CFOS | 7'-5 7/8" | | | | |
| 2 | 1 | 1/2" | Cerro Type L Hard Copper - CFOS | 12'-3 15/16" | | | | |
| 3 | 1 | 3/4"x1/2"x1/2" | Nibco 611R-CB CFOS Wrot Copper Reducing Tee | | | | | |
| 4 | 1 | 1/2" | Nibco 607-CB CFOS Wrot 90 Elbow | | | | | |



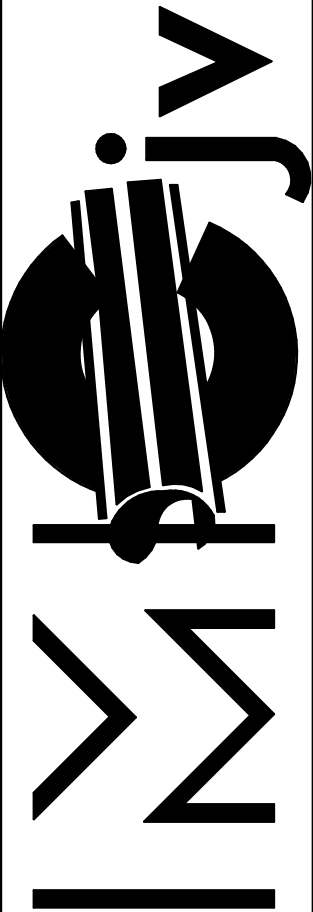
1 ISOMETRIC
SCALE:



2 RIGHT ELEVATION
SCALE: 3/4" = 1'-0"

| | | | |
|----|----|----|----|
| A1 | A3 | B1 | B3 |
| A2 | A4 | B2 | B4 |

| | |
|------------------|-------------|
| JOB: | WASH U NRB |
| TICKET: | CO2-L00-049 |
| Drawn By: Author | |
| DATE: 06/01/21 | DATE REQ: |



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