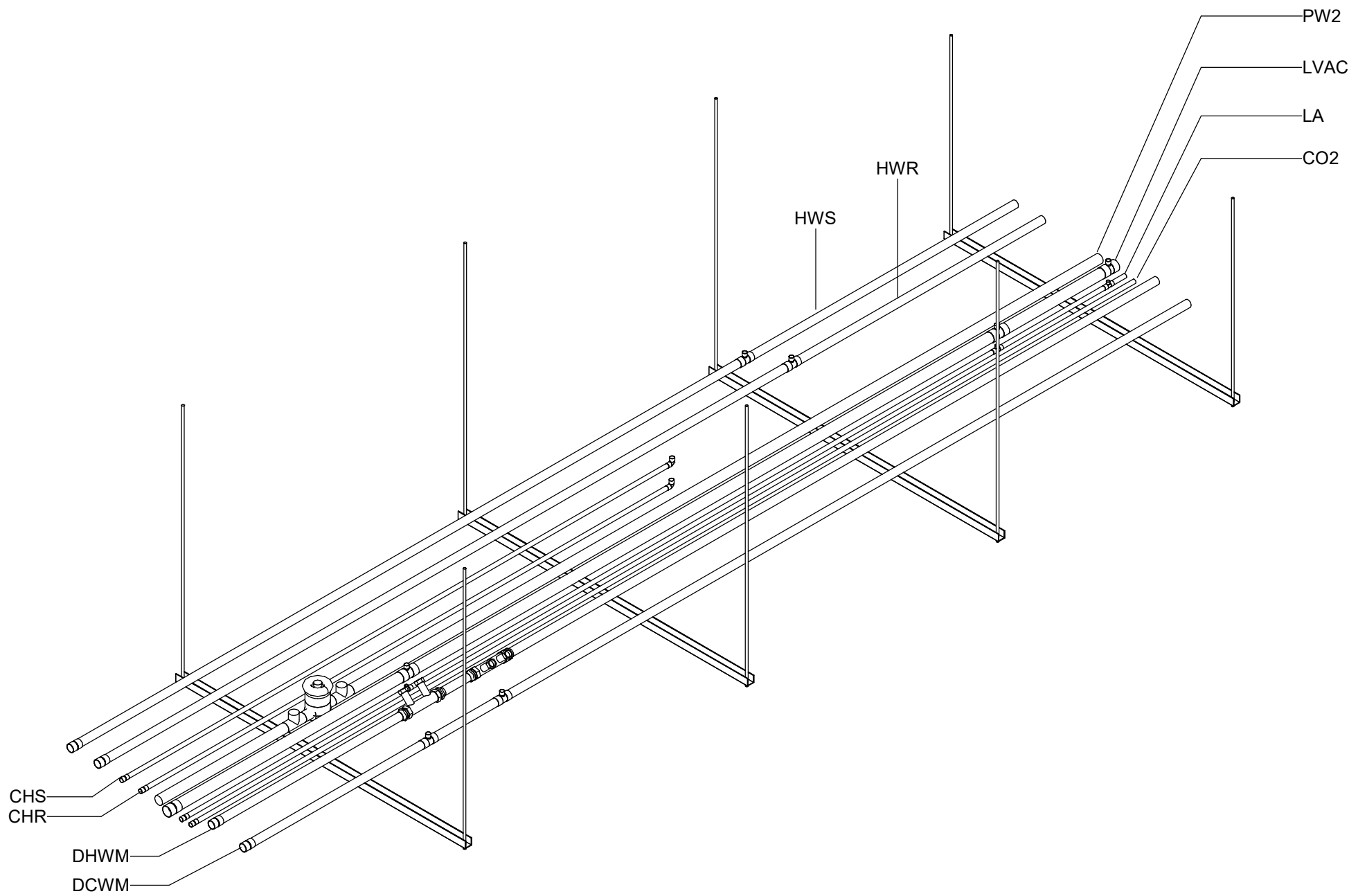
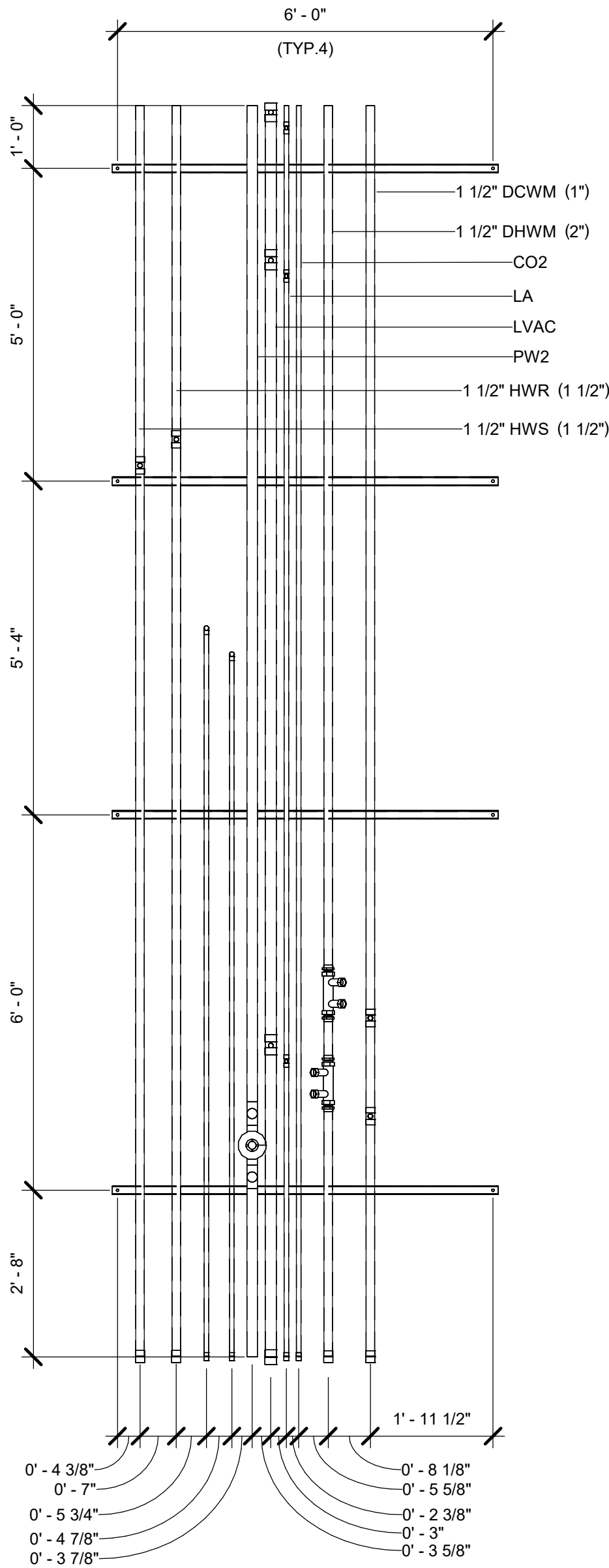


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8/12/2021 10:49:34 AM



2 AS-L03-048 - ISOMETRIC
AS-L03-048 SCALE:



1 AS-L03-048
AS-L03-048 SCALE: 1/2" = 1'-0"

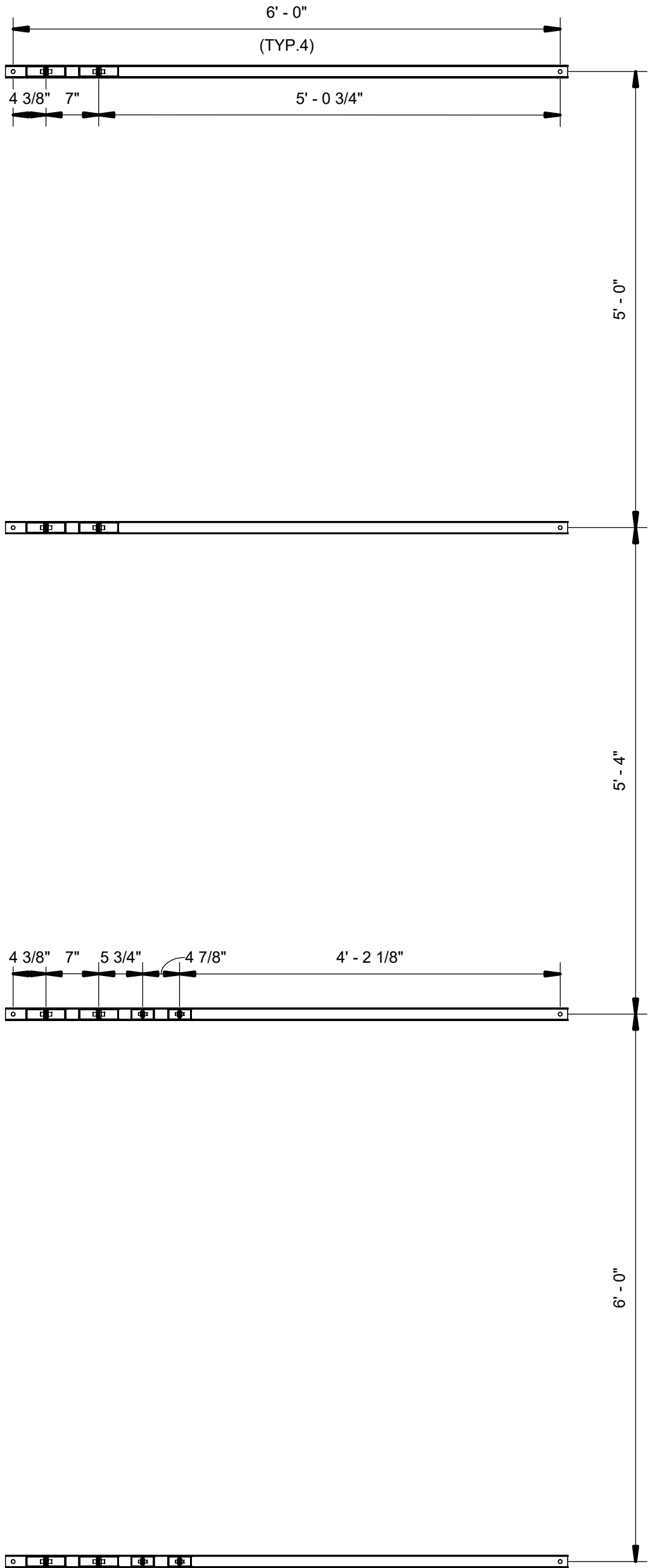
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|----|----|----|----|
| A1 | A3 | B1 | B3 |
| A2 | A4 | B2 | B4 |

JOB: WASH U NRB
TICKET: AS-L03-048
Drawn By: Author
DATE: 08/09/21
DATE REQ:

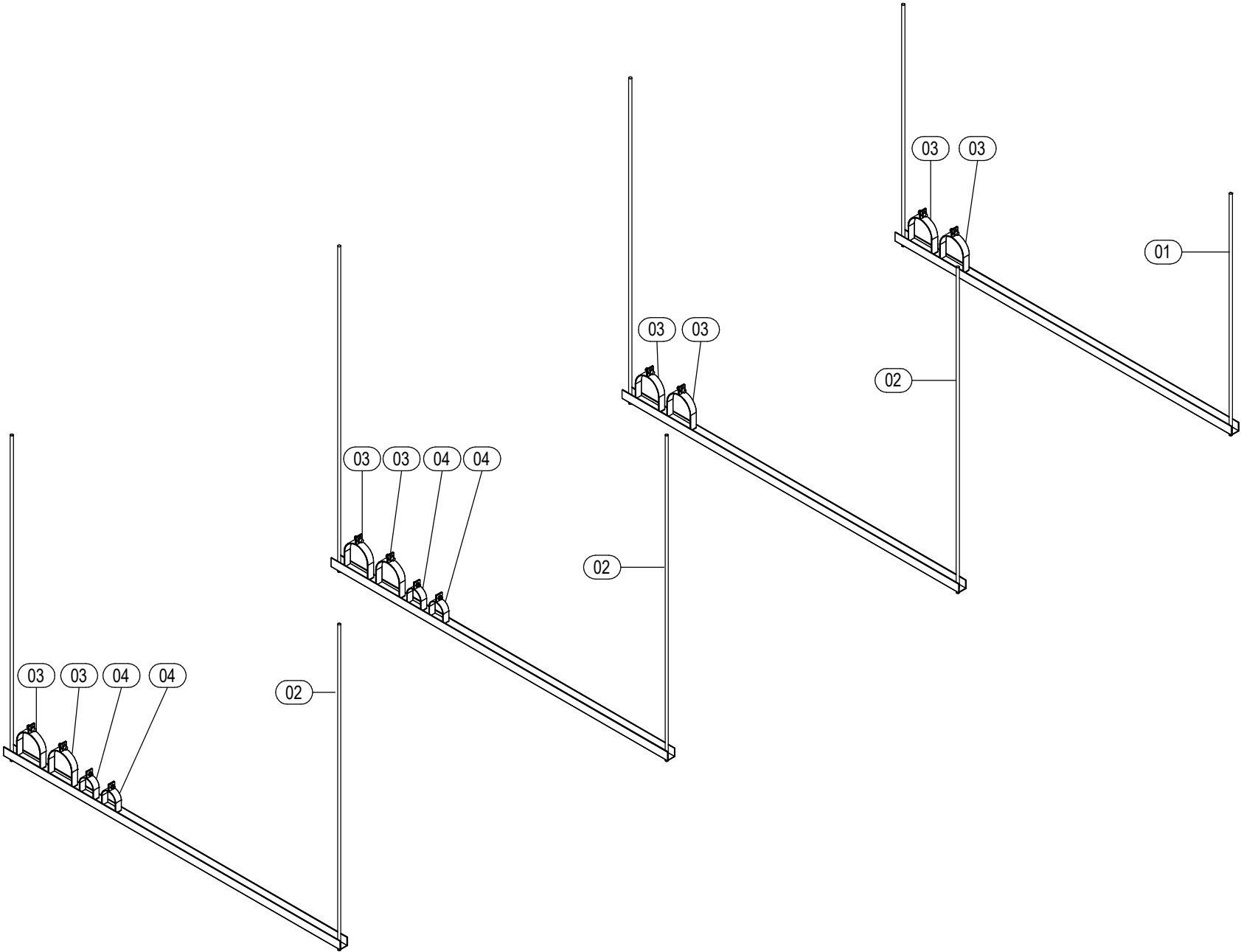


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BIM 360://WUSM NRBWUSM_RB_HPF.rvt
8/20/2021 1:15:27 PM



| Mark | Qty | Size | Description | Length | Strut Width | Rod 1 | Rod 2 | Insulation |
|------|-----|--------|--|--------|-------------|----------|----------|------------|
| 01 | 1 | 70" | B-Line 1-5/8 GRN 12GA 2in Slotted Unistrut | | 6' - 2" | 3' - 10" | 3' - 10" | |
| 02 | 3 | 70" | B-Line 1-5/8 GRN 12GA 2in Slotted Unistrut | | 6' - 2" | 5' - 2" | 5' - 2" | |
| 03 | 8 | 4 5/8" | B-Line B2000 ZN Schl 40 Pipe Clamp | | 0 | 0 | 0 | |
| 04 | 4 | 2 7/8" | B-Line B2000 ZN Schl 40 Pipe Clamp | | 0 | 0 | 0 | |
| 03 | 8 | 4 5/8" | B-LINE #2058 | | | | | |
| 04 | 8 | 2 7/8" | B-LINE #2014 | | | | | |



1 ISOMETRIC
SCALE:

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

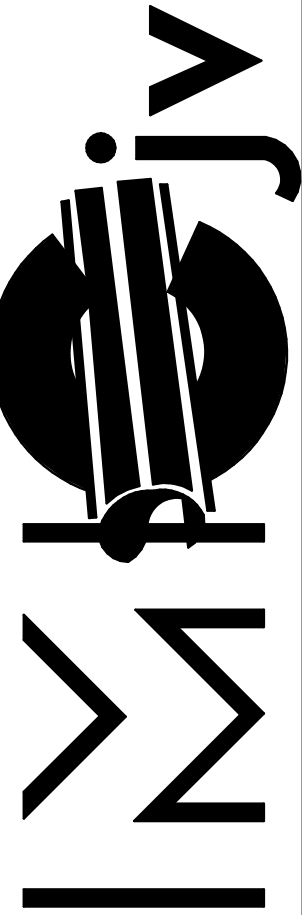
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|----|----|----|----|
| A1 | A3 | B1 | B3 |
| A2 | A4 | B2 | B4 |

JOB: WASH U NRB

TICKET: HPHGR-L03-048

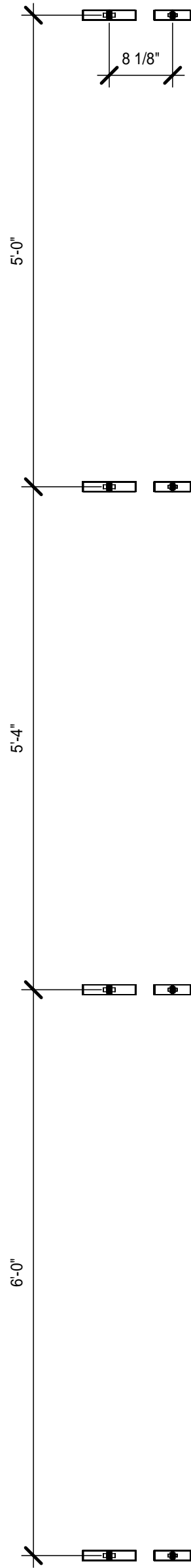
Drawn By: Author

DATE: 08/11/21 DATE REQ:



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314-997-6600 phone

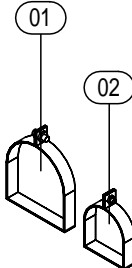
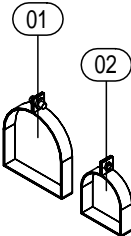
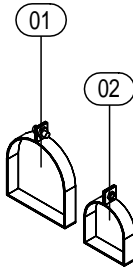
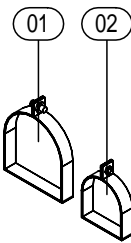
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12-08-2021 12:06:39



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

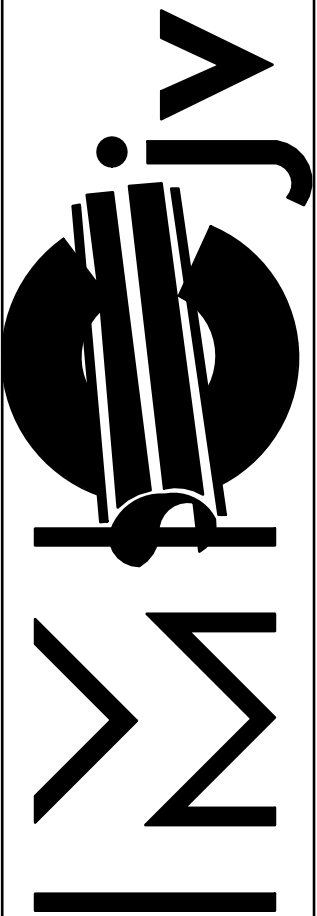
| | | | |
|----|----|----|----|
| A1 | A3 | B1 | B3 |
| A2 | A4 | B2 | B4 |

| Mark | Qty | Size | Description | Length | Strut Width | Rod 1 | Rod 2 | Insulation |
|------|-----|--------|-----------------------------------|--------|-------------|-------|-------|------------|
| 01 | 4 | 6" | B-Line B2000 ZN Sch 40 Pipe Clamp | | | | | |
| 02 | 4 | 4" | B-Line B2000 ZN Sch 40 Pipe Clamp | | | | | |
| 01 | 4 | 5 5/8" | B-LINE #2110 | | | | | |
| 02 | 4 | 3 5/8" | B-LINE #2054 | | | | | |



1 ISOMETRIC
SCALE:

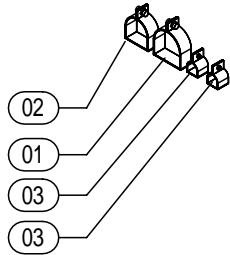
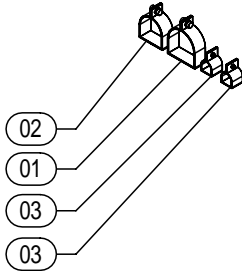
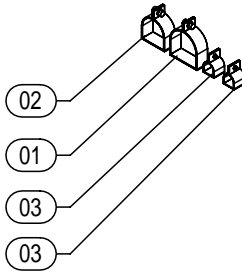
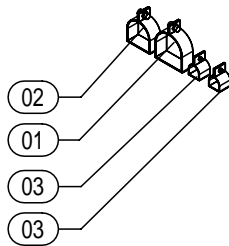
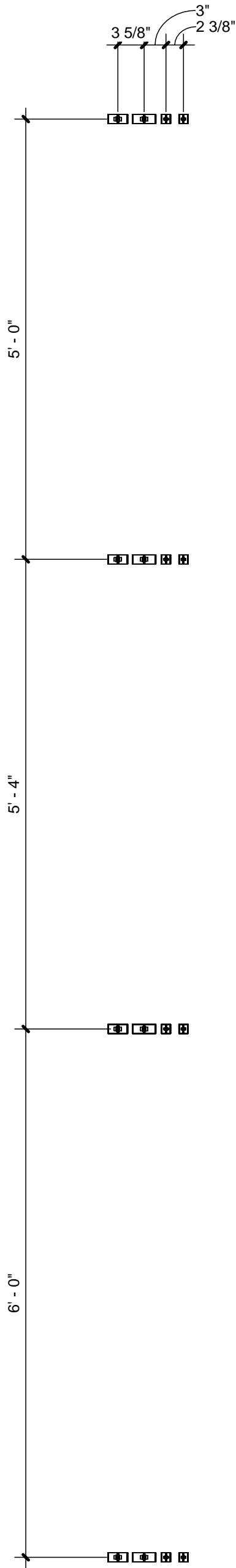
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|------------------|---------------|
| JOB: | WASH U NRB |
| TICKET: | PPHGR-L03-048 |
| Drawn By: Author | |
| DATE: 08/12/21 | DATE REQ: |



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12-08-2021 17:36:03

| Mark | Qty | Size | Description | Length | Strut Width | Rod 1 | Rod 2 | Insulation |
|------|-----|-------|---|--------|-------------|-------|-------|------------|
| 01 | 4 | 2.5" | B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN | | | | | |
| 02 | 4 | 2" | B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN | | | | | |
| 03 | 8 | 0.75" | B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN | | | | | |

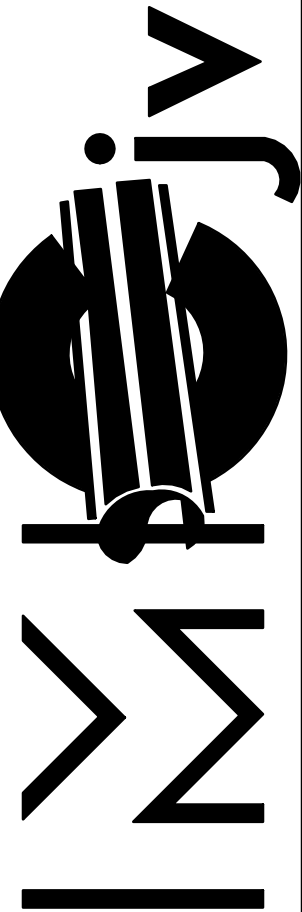


1 ISOMETRIC
SCALE:

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

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

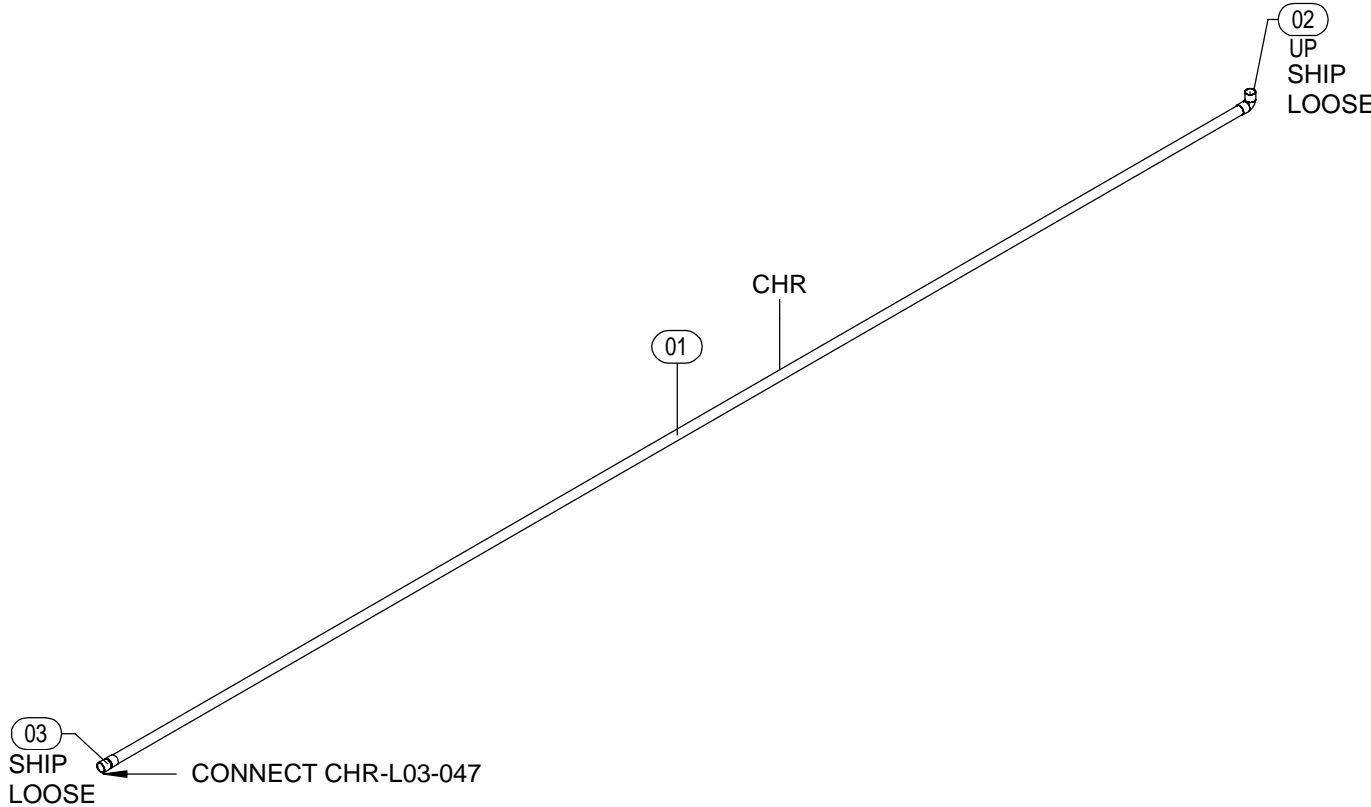
| | |
|------------------|---------------|
| JOB: | WASH U NRB |
| TICKET: | PUHGR-L03-048 |
| Drawn By: Author | |
| DATE: 08/13/21 | DATE REQ: |



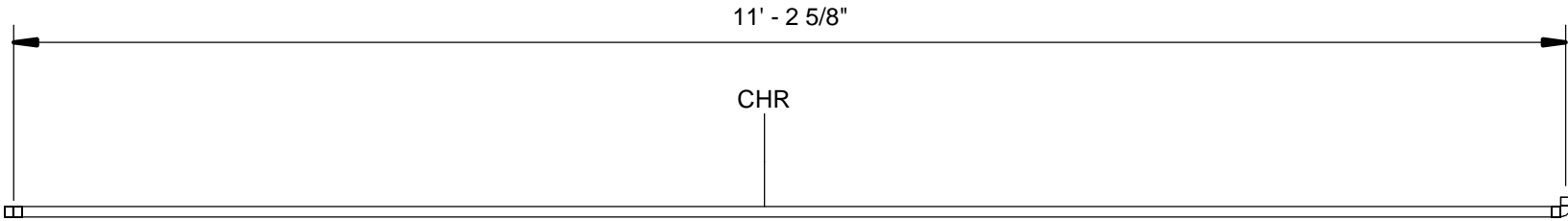
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BIM 360://WUSM NRBWUSM_RB_HPF.rvt
04-08-2021 18:23:17

| Mark | Qty | Size | Description | Length | Strut Width | Rod 1 | Rod 2 | Insulation |
|------|-----|------|--|-------------|-------------|-------|-------|------------|
| 01 | 1 | 3/4" | Cerro Type K Hard Copper Pipe | 11'-2 3/16" | | | | 1" |
| 02 | 1 | 3/4" | Nibco Wrot 607 90 Deg Ell CxC | | | | | 1" |
| 03 | 1 | 3/4" | Nibco Wrot 600 Dimpled Stop Coupling CxC | | | | | 1" |



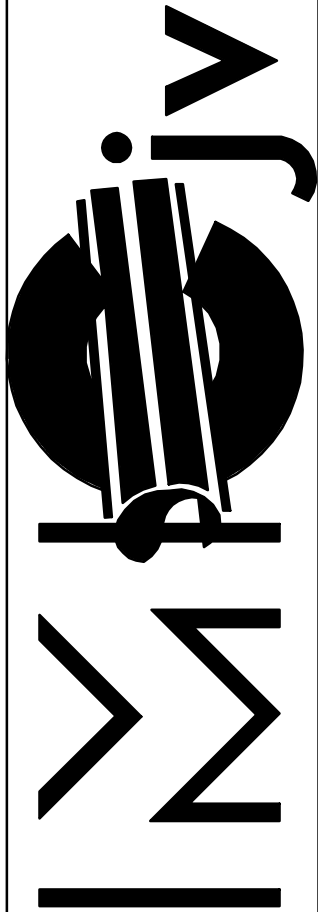
1 ISOMETRIC
SCALE:



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

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

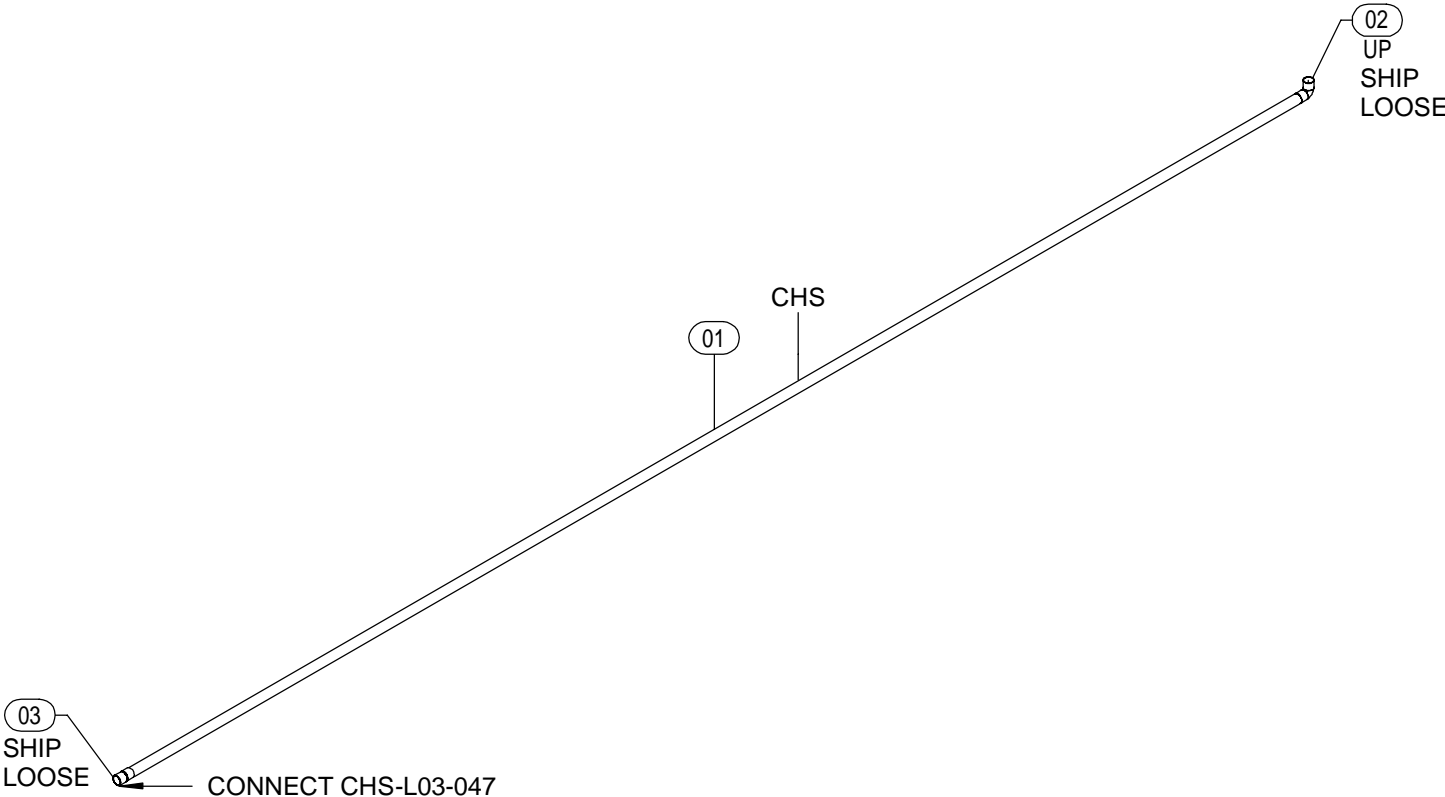
JOB: WASH U NRB
TICKET: CHR-L03-048
Drawn By: Author
DATE: 08/04/21
DATE REQ:



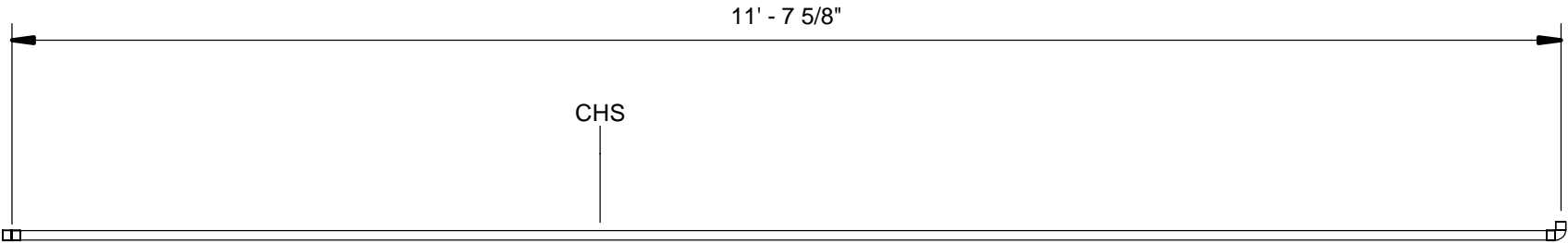
1233 N. Price Rd.
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314-997-6600 phone

BIM 360://WUSM NRBWUSM_RB_HPF.rvt
04-08-2021 18:22:16

| Mark | Qty | Size | Description | Length | Strut Width | Rod 1 | Rod 2 | Insulation |
|------|-----|------|--|-------------|-------------|-------|-------|------------|
| 01 | 1 | 3/4" | Cerro Type K Hard Copper Pipe | 11'-7 3/16" | | | | 1" |
| 02 | 1 | 3/4" | Nibco Wrot 607 90 Deg Ell CxC | | | | | 1" |
| 03 | 1 | 3/4" | Nibco Wrot 600 Dimpled Stop Coupling CxC | | | | | 1" |



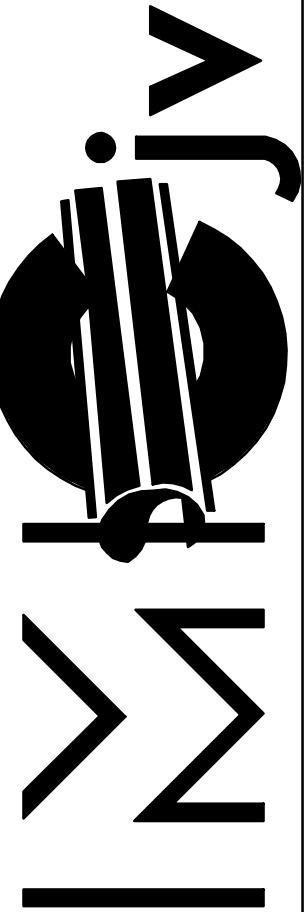
1 ISOMETRIC
SCALE:



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

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

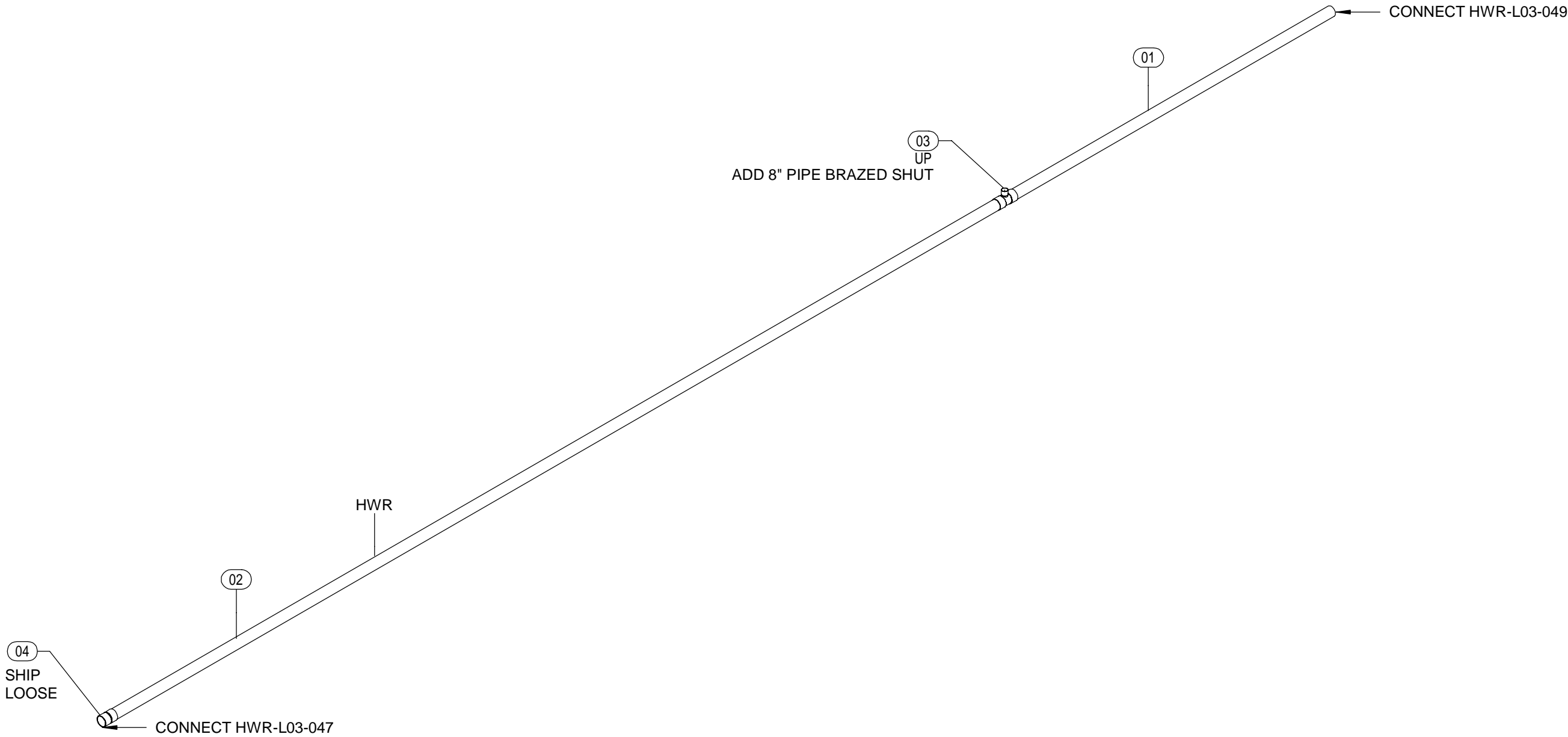
| | |
|------------------|-------------|
| JOB: | WASH U NRB |
| TICKET: | CHS-L03-048 |
| Drawn By: Author | |
| DATE: 08/04/21 | DATE REQ: |



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BIM 360://WUSM NRBWUSM_RB_HPF.rvt
04-08-2021 18:21:08

| Mark | Qty | Size | Description | Length | Strut Width | Rod 1 | Rod 2 | Insulation |
|------|-----|-------------|--|------------|-------------|-------|-------|------------|
| 01 | 1 | 1 1/2" | Cerro Type K Hard Copper Pipe | 5'-3 7/16" | | | | 1 1/2" |
| 02 | 1 | 1 1/2" | Cerro Type K Hard Copper Pipe | 14'-7 1/4" | | | | 1 1/2" |
| 03 | 1 | 1 1/2"x3/4" | Nibco Wrot 611R CxCxC Reducing Tee | | | | | 1 1/2" |
| 04 | 1 | 1 1/2" | Nibco Wrot 600 Dimpled Stop Coupling CxC | | | | | 1 1/2" |

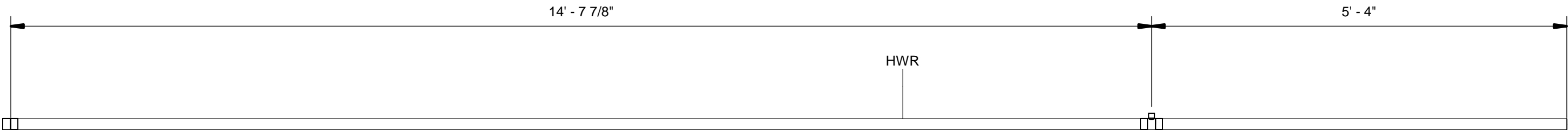


1 ISOMETRIC

SCALE:

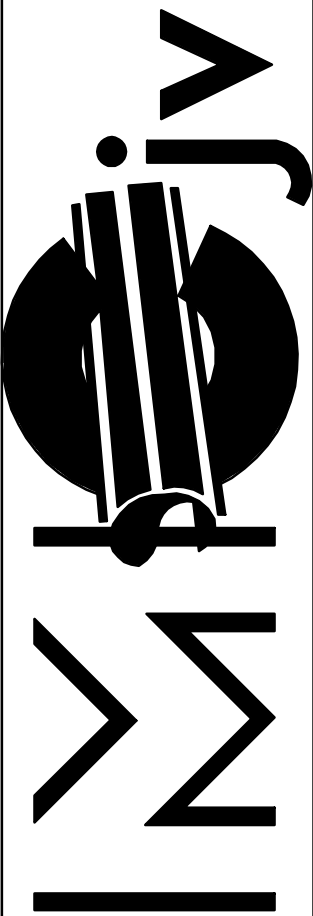
2 RIGHT ELEVATION

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



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

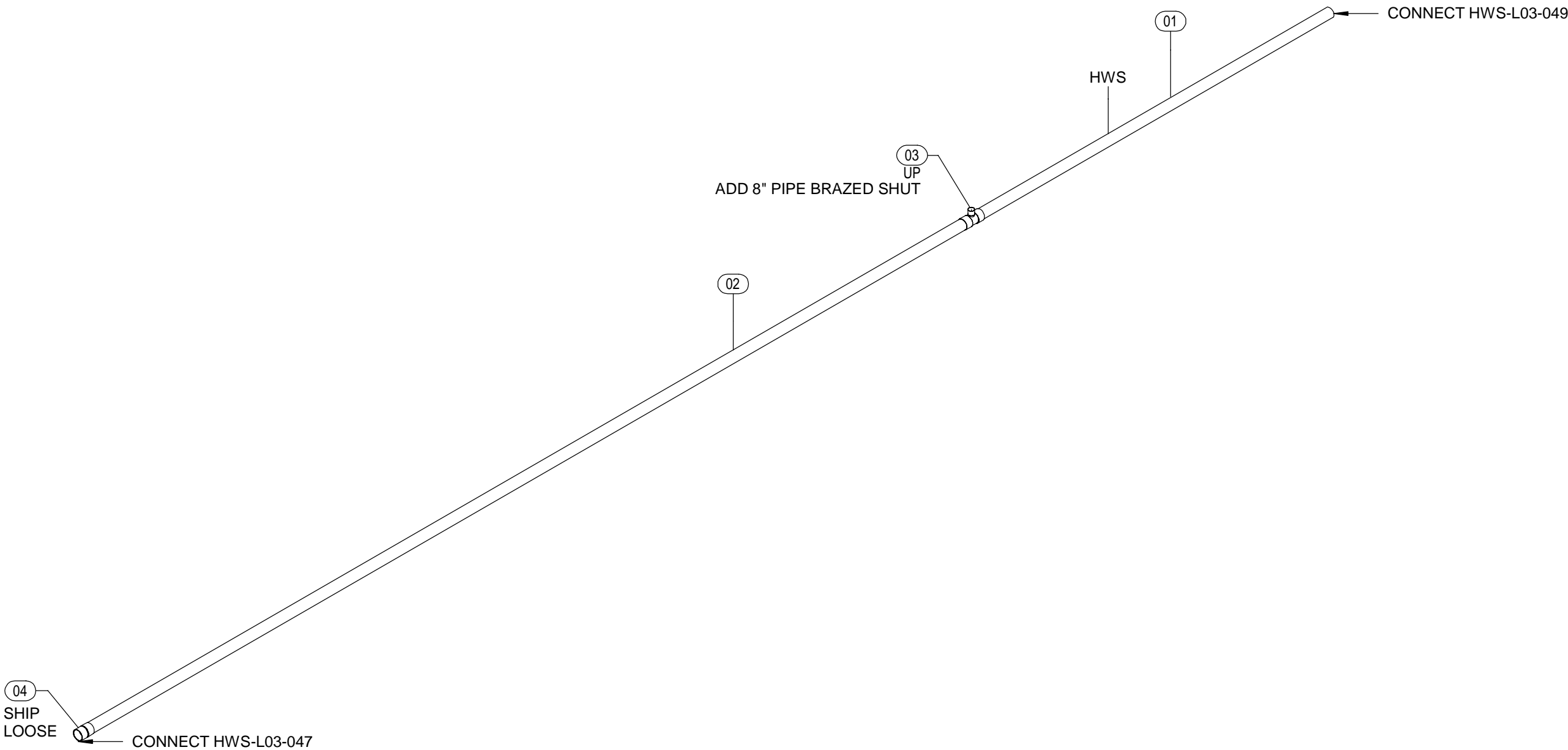
| | |
|------------------|-------------|
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| TICKET: | HWR-L03-048 |
| Drawn By: Author | |
| DATE: 08/04/21 | DATE REQ: |



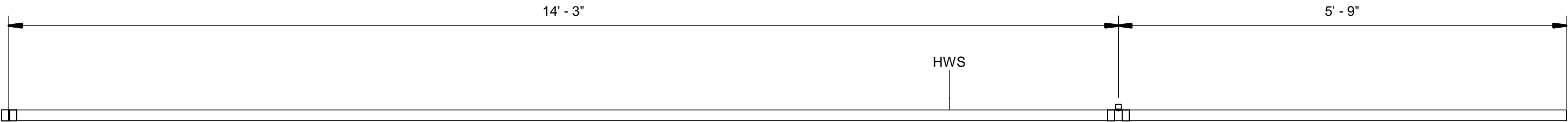
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360//WUSM NRBWUSM_RB_HPF.rvt
04-08-2021 18:19:41

| Mark | Qty | Size | Description | Length | Strut Width | Rod 1 | Rod 2 | Insulation |
|------|-----|-------------|--|------------|-------------|-------|-------|------------|
| 01 | 1 | 1 1/2" | Cerro Type K Hard Copper Pipe | 5'-8 7/16" | | | | 1 1/2" |
| 02 | 1 | 1 1/2" | Cerro Type K Hard Copper Pipe | 14'-2 1/4" | | | | 1 1/2" |
| 03 | 1 | 1 1/2"x3/4" | Nibco Wrot 611R CxCxC Reducing Tee | | | | | 1 1/2" |
| 04 | 1 | 1 1/2" | Nibco Wrot 600 Dimpled Stop Coupling CxC | | | | | 1 1/2" |



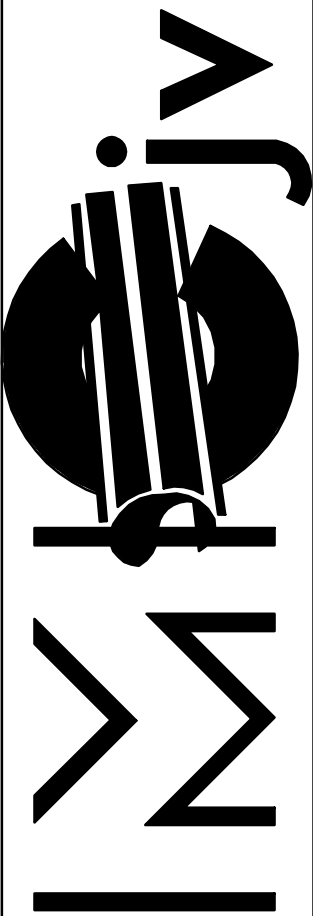
1 ISOMETRIC
SCALE:



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

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

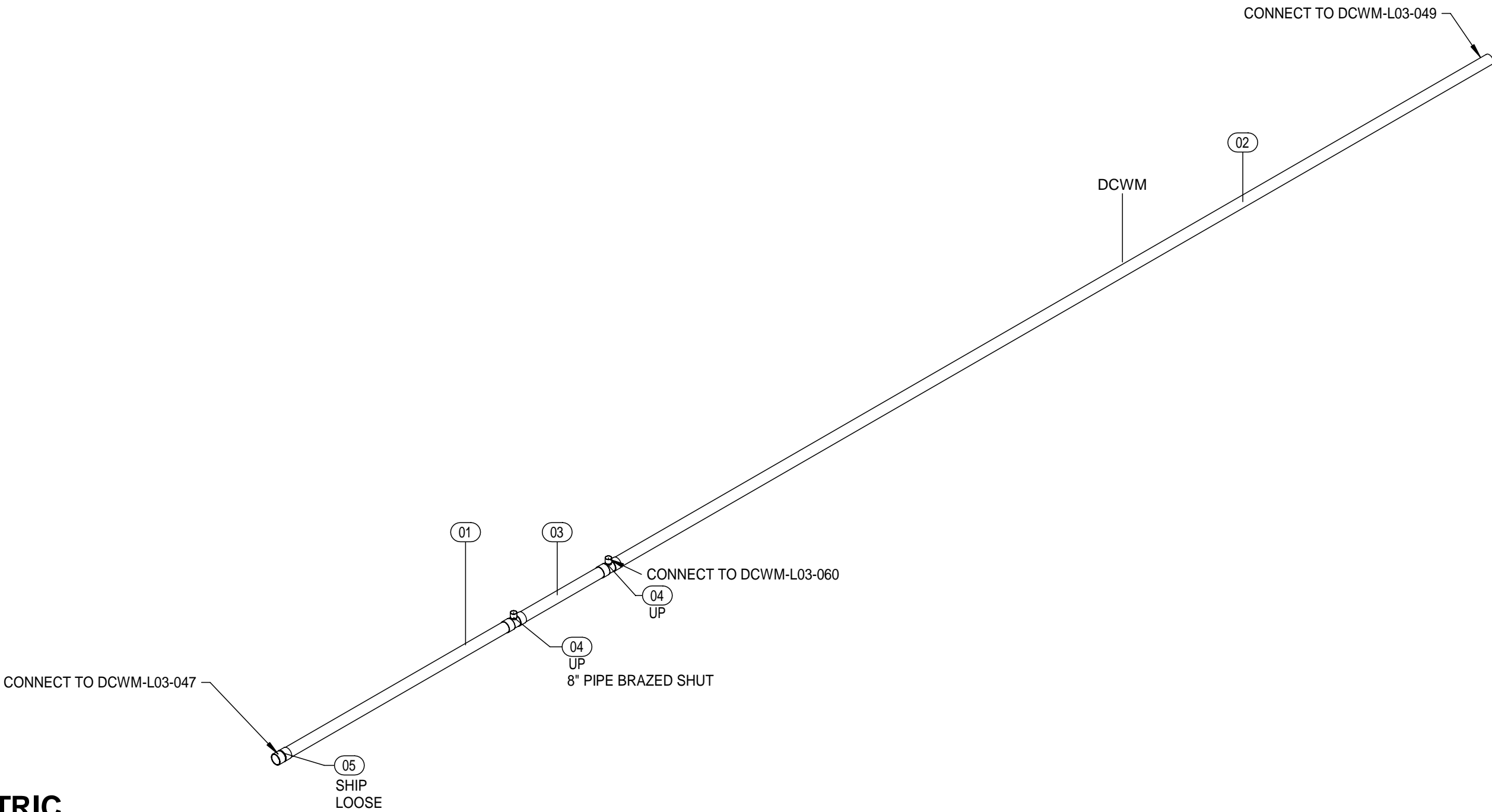
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| TICKET: | HWS-L03-048 |
| Drawn By: Author | |
| DATE: 08/04/21 | DATE REQ: |



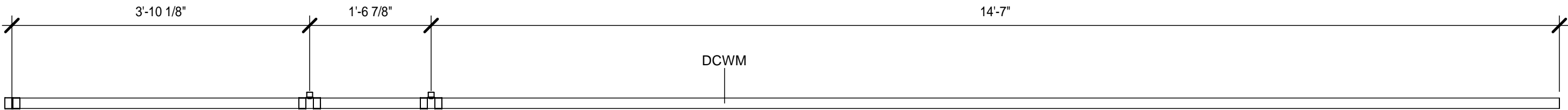
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRBWUSM_RB_PLF.rvt
09-08-2021 18:15:10

| Mark | Qty | Size | Description | Length | Strut Width | Rod 1 | Rod 2 | Insulation |
|------|-----|-------------|--|------------|-------------|-------|-------|------------|
| 01 | 1 | 1 1/2" | Cerro Type L Hard Copper Pipe | 3'-9 7/16" | | | | 1" |
| 02 | 1 | 1 1/2" | Cerro Type L Hard Copper Pipe | 14'-6 3/8" | | | | 1" |
| 03 | 1 | 1 1/2" | Cerro Type L Hard Copper Pipe | 1'-5 5/8" | | | | 1" |
| 04 | 2 | 1 1/2"x3/4" | Nibco Wrot 611R CxCxC Reducing Tee | | | | | 1" |
| 05 | 1 | 1 1/2" | Nibco Wrot 600 Dimpled Stop Coupling CxC | | | | | 1" |



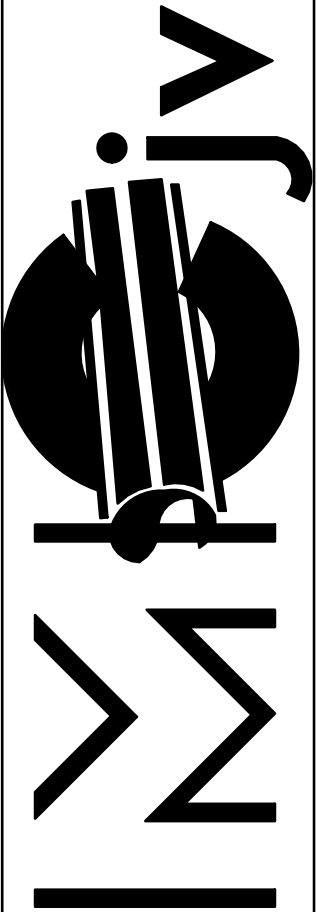
1 ISOMETRIC
SCALE:



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

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

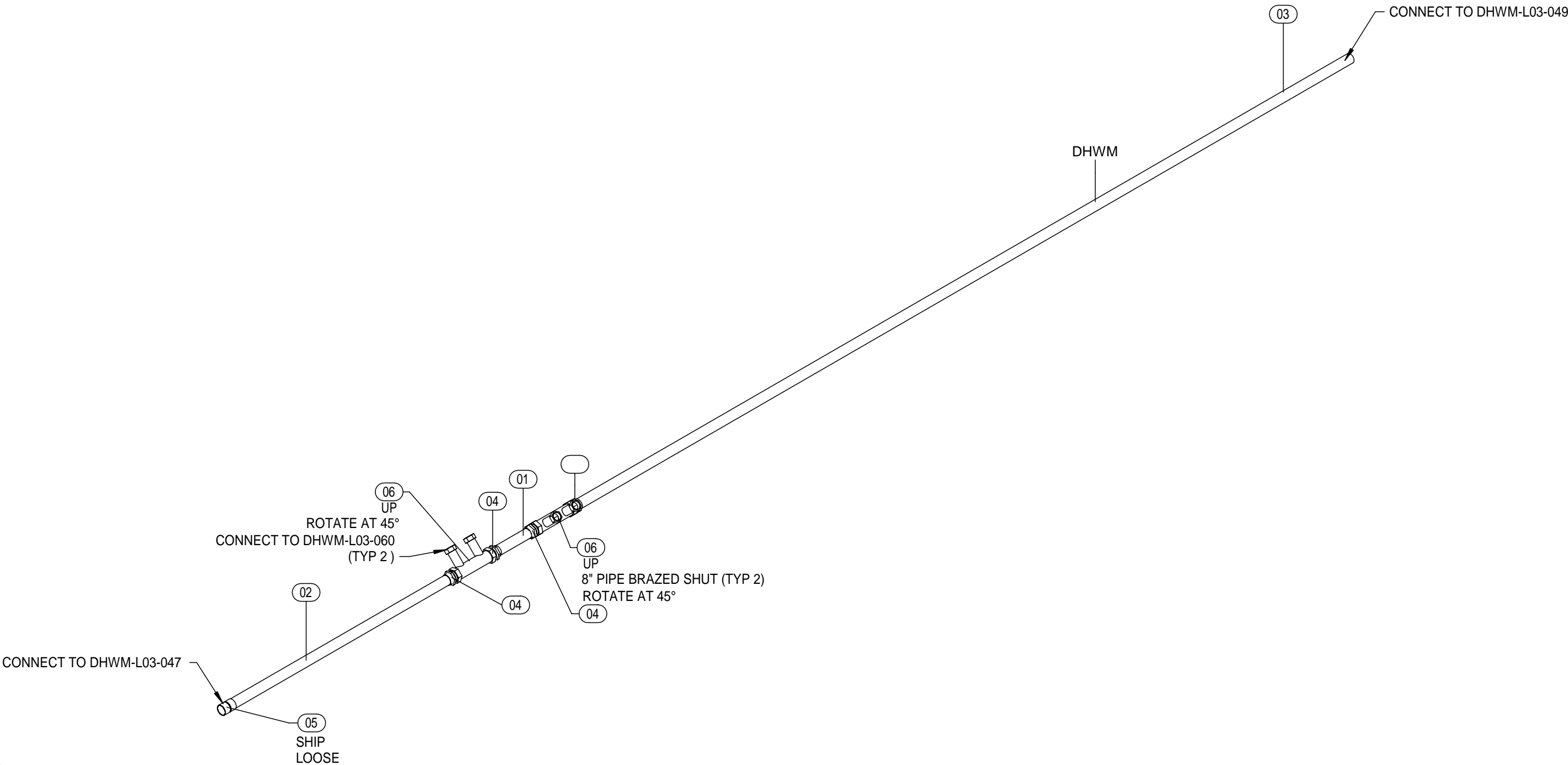
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|------------------|--------------|
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| TICKET: | DCWM-L03-048 |
| Drawn By: Author | |
| DATE: 08/09/21 | DATE REQ: |



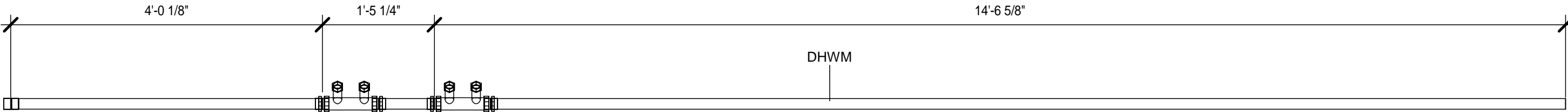
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRBWUSM_RB_PLF.rvt
09-08-2021 18:11:18

| Mark | Qty | Size | Description | Length | Strut Width | Rod 1 | Rod 2 | Insulation |
|------|-----|-----------|---|--------------|-------------|-------|-------|------------|
| 01 | 1 | 1 1/2" | Cerro Type L Hard Copper Pipe | 0'-8 5/8" | | | | 2" |
| 02 | 1 | 1 1/2" | Cerro Type L Hard Copper Pipe | 4'-0" | | | | 2" |
| 03 | 1 | 1 1/2" | Cerro Type L Hard Copper Pipe | 13'-9 15/16" | | | | 2" |
| 04 | 3 | 1 1/2" | Nibco Wrot 604 Adapter CxM | | | | | 2" |
| 05 | 1 | 1 1/2" | Nibco Wrot 600 Dimpled Stop Coupling CxC | | | | | 2" |
| 06 | 2 | 1 1/2"x1" | Kemper Kemper Fig651 20 KHS Flow-Splitter FPT | | | | | 2" |



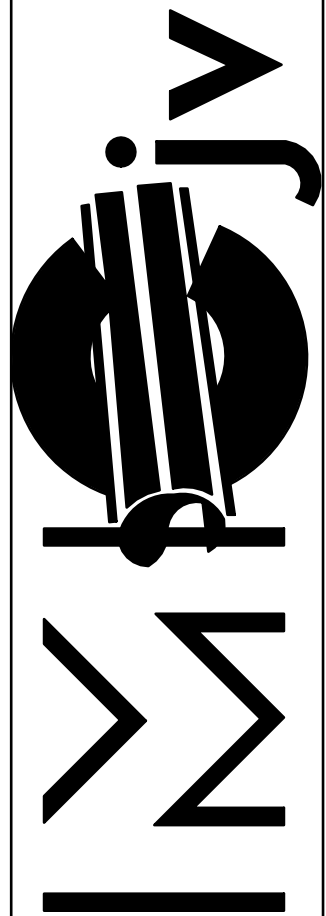
1 ISOMETRIC
SCALE:



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

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

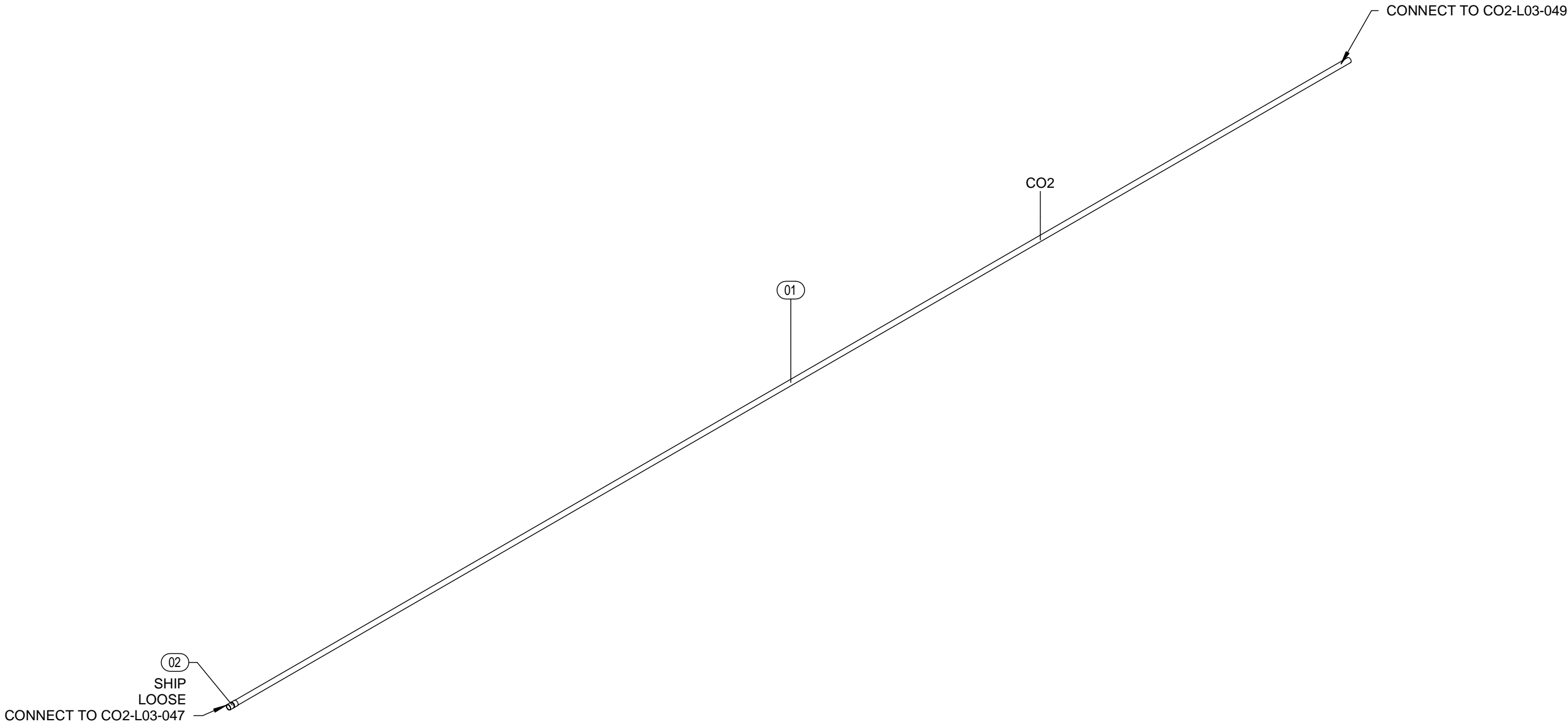
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|-----------|--------------|
| JOB: | WASH U NRB |
| TICKET: | DHWM-L03-048 |
| Drawn By: | Author |
| DATE: | 08/09/21 |
| DATE REQ: | |



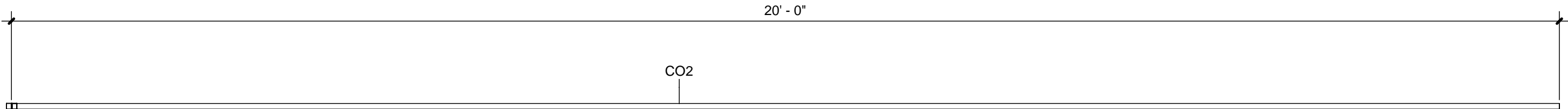
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BIM 360/WUSM NRBWUSM_RB_PUF.rvt
13-08-2021 10:05:14

| Mark | Qty | Size | Description | Length | Strut Width | Rod 1 | Rod 2 | Insulation |
|------|-----|------|---|-------------|-------------|-------|-------|------------|
| 01 | 1 | 3/4" | Cerro Type L Hard Copper - CFOS | 19'-11 7/8" | | | | |
| 02 | 1 | 3/4" | Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop | | | | | |



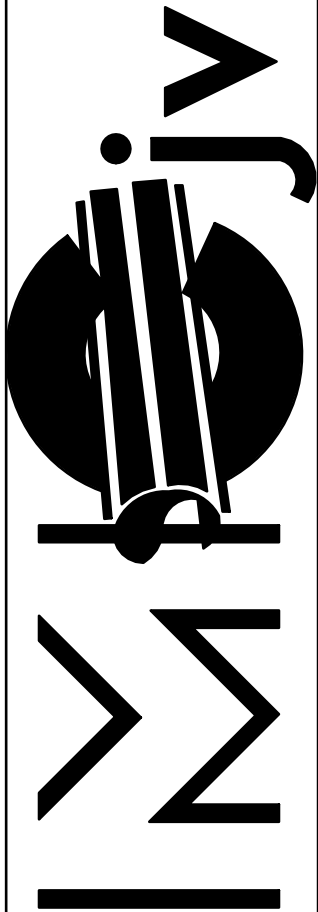
1 ISOMETRIC
SCALE:



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

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

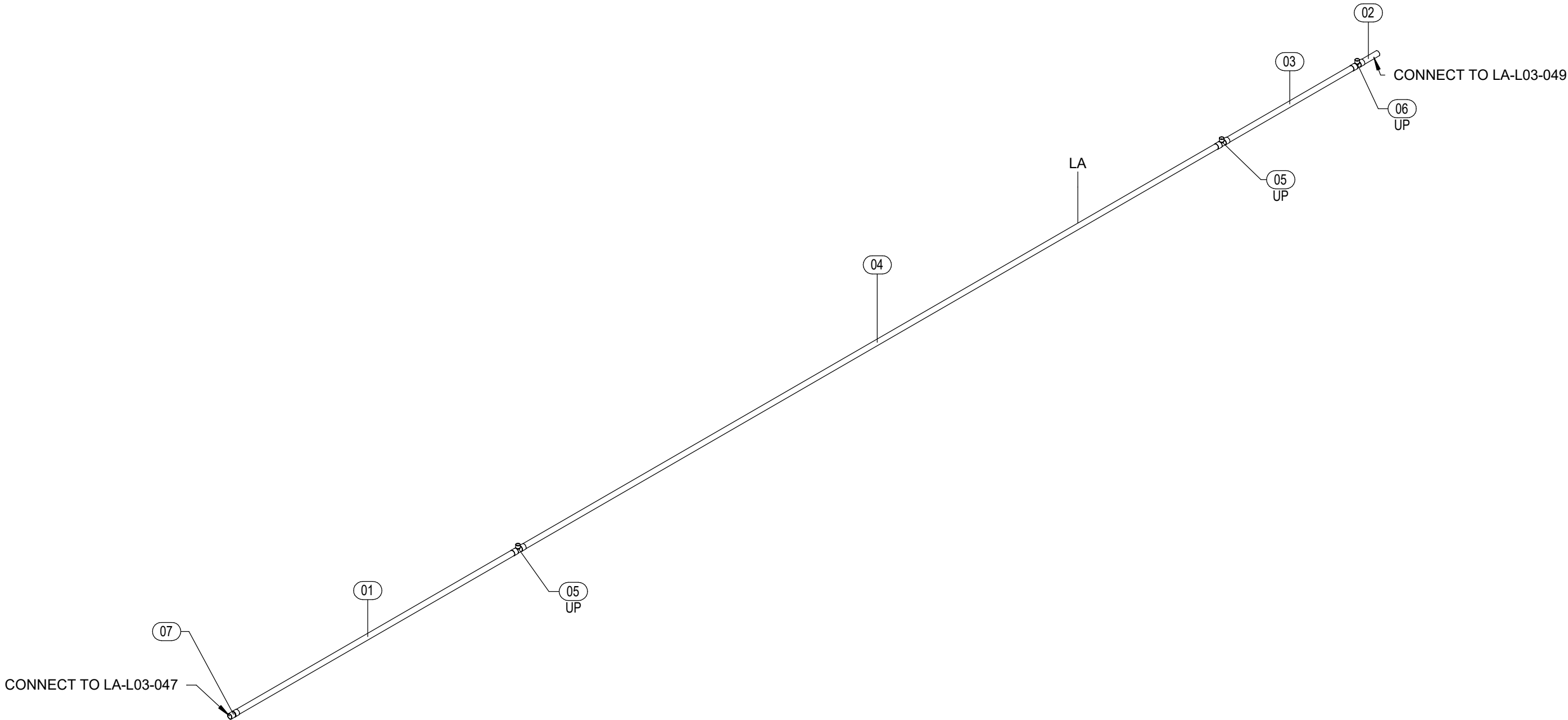
JOB: WASH U NRB
TICKET: CO2-L03-048
Drawn By: Author
DATE: 08/16/21
DATE REQ:



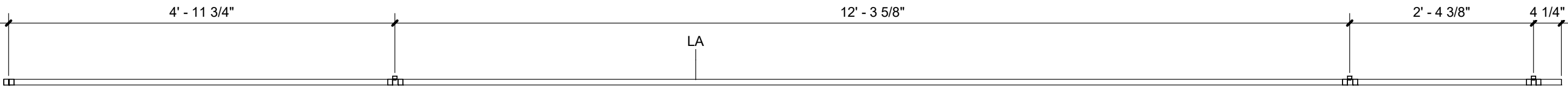
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314-997-6600 phone

BIM 360://WUSM NRBWUSM_RB_PUF.rvt
1/11/2022 8:35:53 AM

| Mark | Qty | Size | Description | Length | Insulation |
|------|-----|----------------|---|------------|------------|
| 01 | 1 | 3/4" | Cerro Type L Hard Copper - CFOS | 4'-11 1/4" | |
| 02 | 1 | 3/4" | Cerro Type L Hard Copper - CFOS | 0'-3 7/8" | |
| 03 | 1 | 3/4" | Cerro Type L Hard Copper - CFOS | 2'-3 1/2" | |
| 04 | 1 | 3/4" | Cerro Type L Hard Copper - CFOS | 12'-2 3/4" | |
| 05 | 2 | 3/4"x1/2"x3/4" | Nibco 611R-CB CFOS Wrot Copper Reducing Tee | | |
| 06 | 1 | 3/4"x1/2" | Nibco 611R-CB CFOS Wrot Copper Reducing Tee | | |
| 07 | 1 | 3/4" | Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop | | |



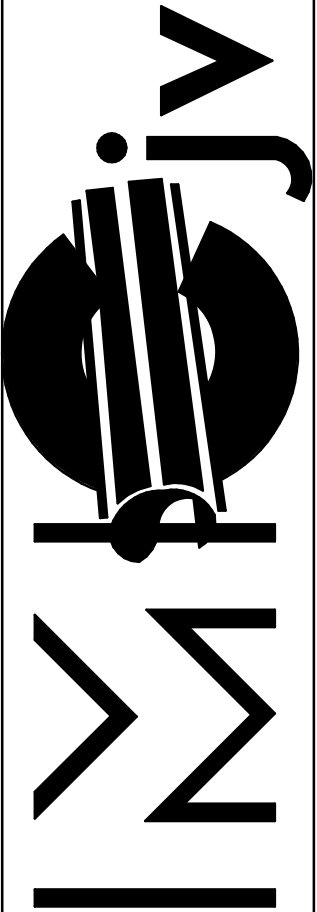
1 ISOMETRIC
SCALE:



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

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

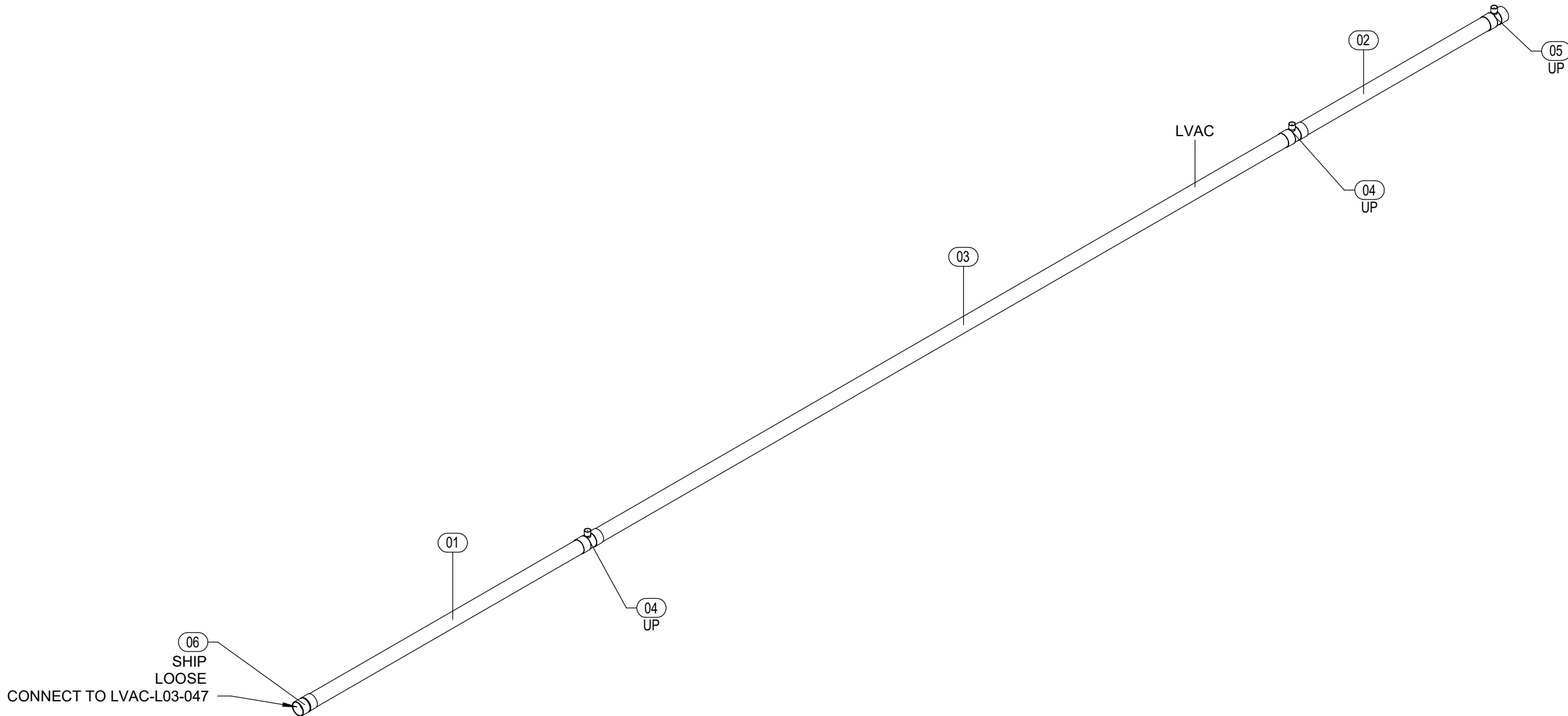
| | |
|------------------|------------|
| JOB: | WASH U NRB |
| TICKET: | LA-L03-048 |
| Drawn By: Author | |
| DATE: 08/16/21 | DATE REQ: |



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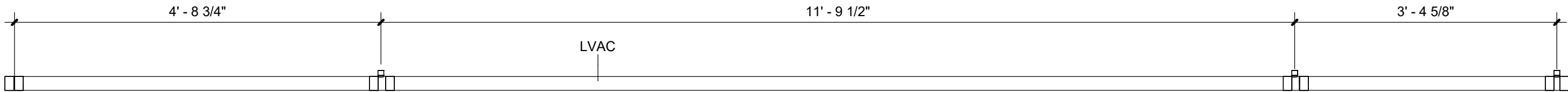
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1/11/2022 8:36:09 AM

| Mark | Qty | Size | Description | Length | Insulation |
|------|-----|------------|---|------------|------------|
| 01 | 1 | 2" | Cerro Type L Hard Copper - CFOS | 4'-8 1/4" | |
| 02 | 1 | 2" | Cerro Type L Hard Copper - CFOS | 3'-3 3/8" | |
| 03 | 1 | 2" | Cerro Type L Hard Copper - CFOS | 11'-8 1/4" | |
| 04 | 2 | 2"x3/4"x2" | Nibco 611R-CB CFOS Wrot Copper Reducing Tee | | |
| 05 | 1 | 2"x3/4" | Nibco 611R-CB CFOS Wrot Copper Reducing Tee | | |
| 06 | 1 | 2" | Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop | | |



1 ISOMETRIC

SCALE:

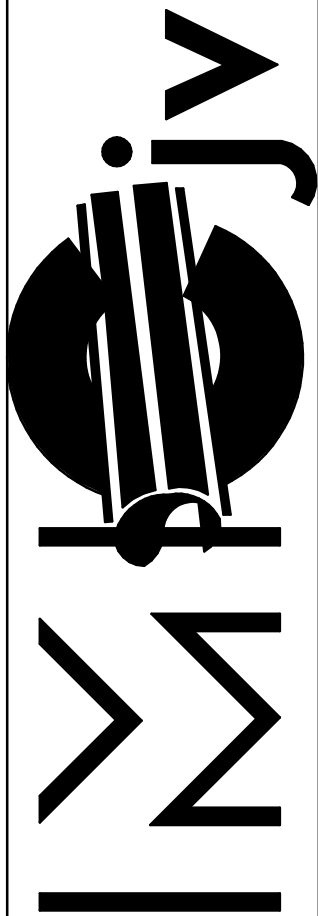


2 RIGHT ELEVATION

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

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

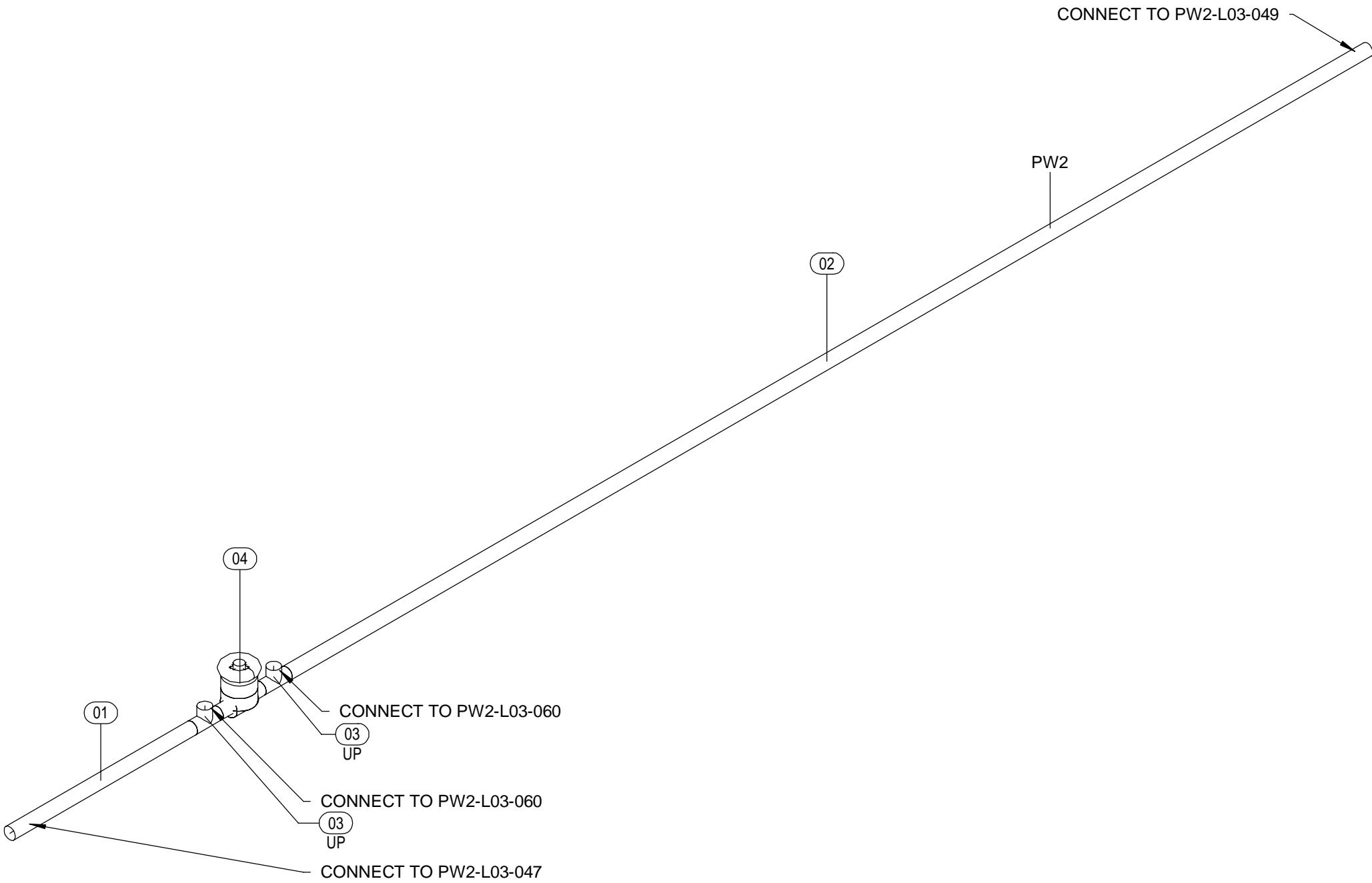
| | |
|------------------|--------------|
| JOB: | WASH U NRB |
| TICKET: | LVAC-L03-048 |
| Drawn By: Author | |
| DATE: 08/16/21 | DATE REQ: |



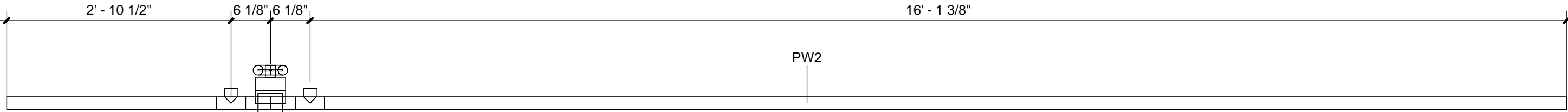
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16-08-2021 11:50:42

| Mark | Qty | Size | Description | Length | Strut Width | Rod 1 | Rod 2 | Insulation |
|------|-----|--------|--|--------------|-------------|-------|-------|------------|
| 01 | 1 | 1 1/2" | Geroge Fischer Slone PROGEF STD-PP IR Butt-Fusion Pipe | 2'-8 1/4" | | | | |
| 02 | 1 | 1 1/2" | Geroge Fischer Slone PROGEF STD-PP IR Butt-Fusion Pipe | 15'-11 1/16" | | | | |
| 03 | 2 | 1 1/2" | Geroge Fischer Slone PROGEF STD-PP IR Butt-Fusion Tee | | | | | |
| 04 | 1 | 1 1/2" | George Fischer Sloane PROGEF STD-PP Type 515 EDPM Diaphragm Valve BF | | | | | |



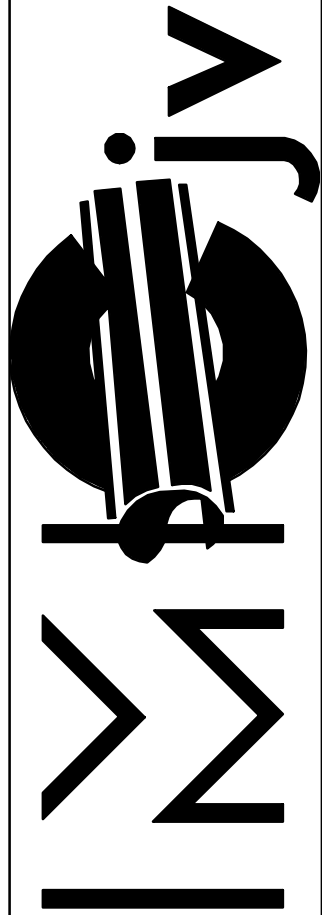
1 ISOMETRIC
SCALE:



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

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

| | |
|------------------|-------------|
| JOB: | WASH U NRB |
| TICKET: | PW2-L03-048 |
| Drawn By: Author | |
| DATE: 08/16/21 | DATE REQ: |



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