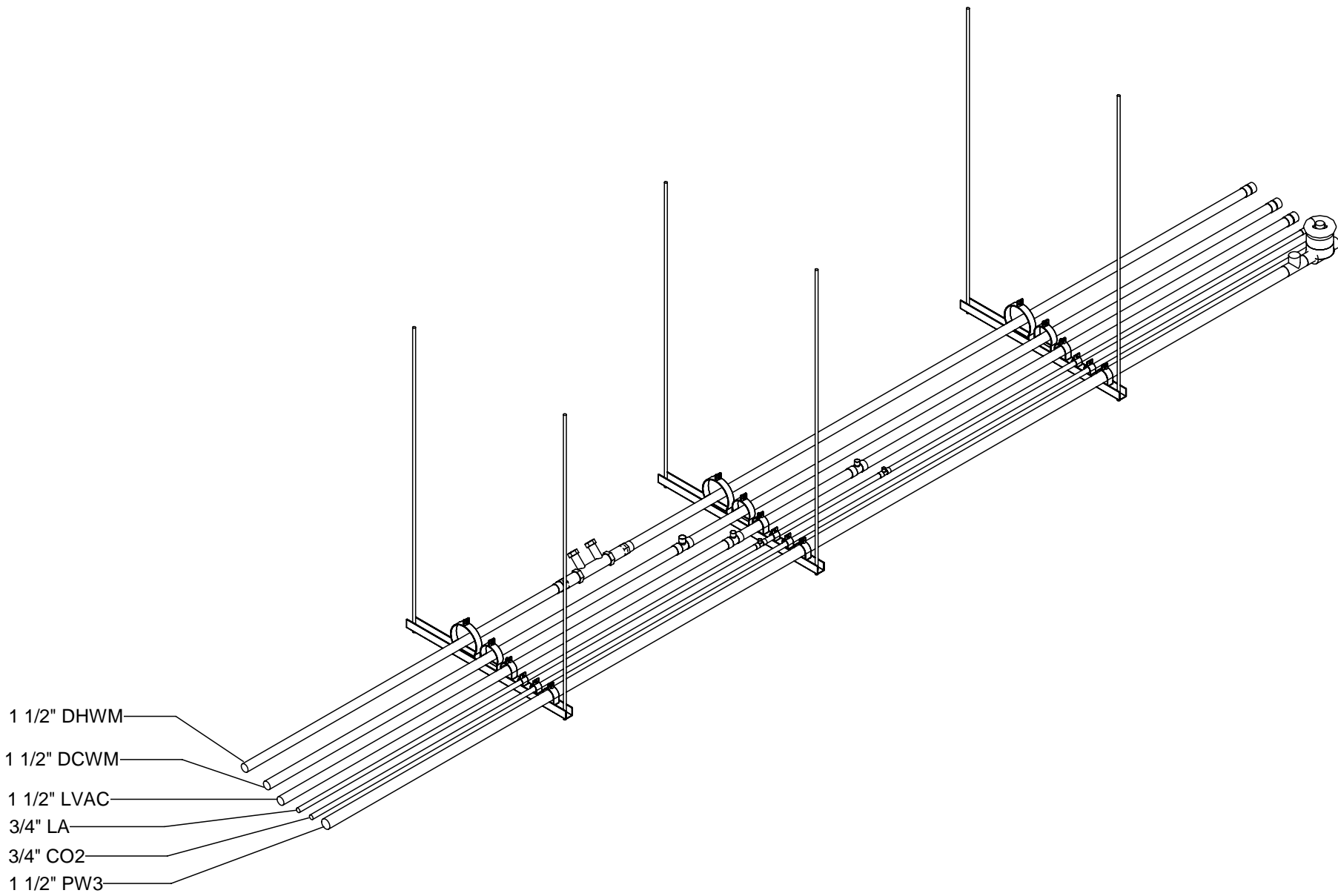
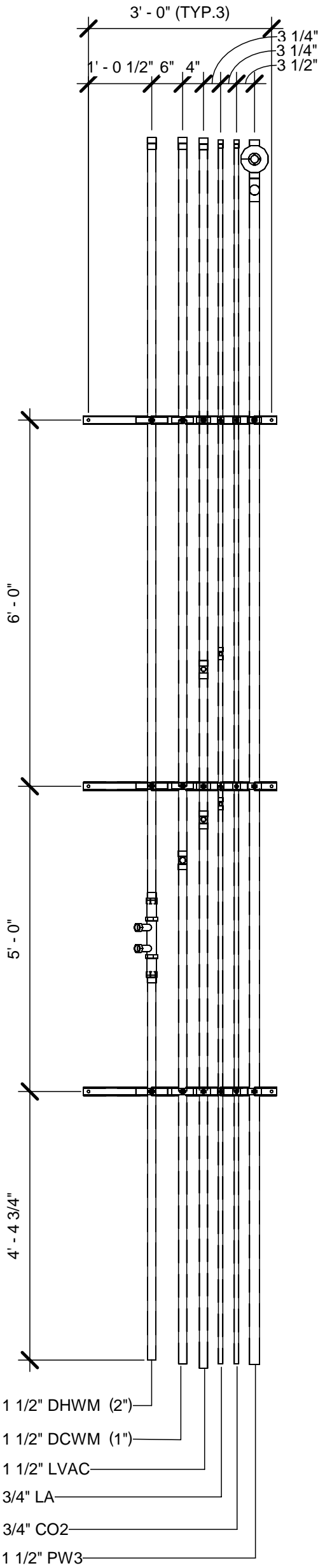


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19-11-2021 10:23:48



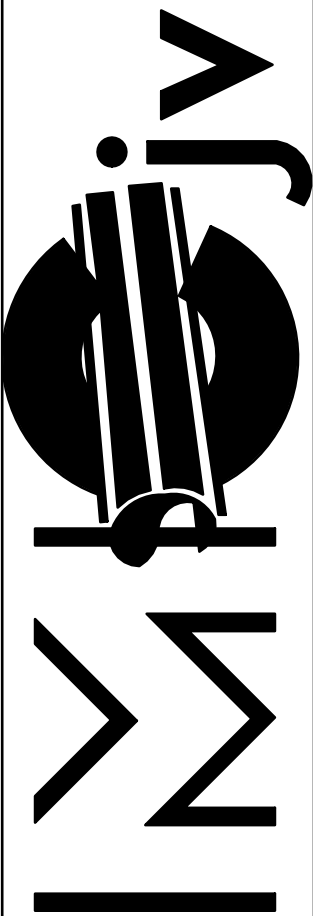
1 AS-L07-060 - ISOMETRIC
AS-L07-060 SCALE:



- 1 1/2" DHWM (2")
- 1 1/2" DCWM (1")
- 1 1/2" LVAC
- 3/4" LA
- 3/4" CO2
- 1 1/2" PW3

2 AS-L07-060
AS-L07-060 SCALE: 1/2" = 1'-0"

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



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314-997-6600 phone

JOB: WASH U NRB

TICKET: AS-L07-060

Drawn By: Author

DATE: 11/19/21

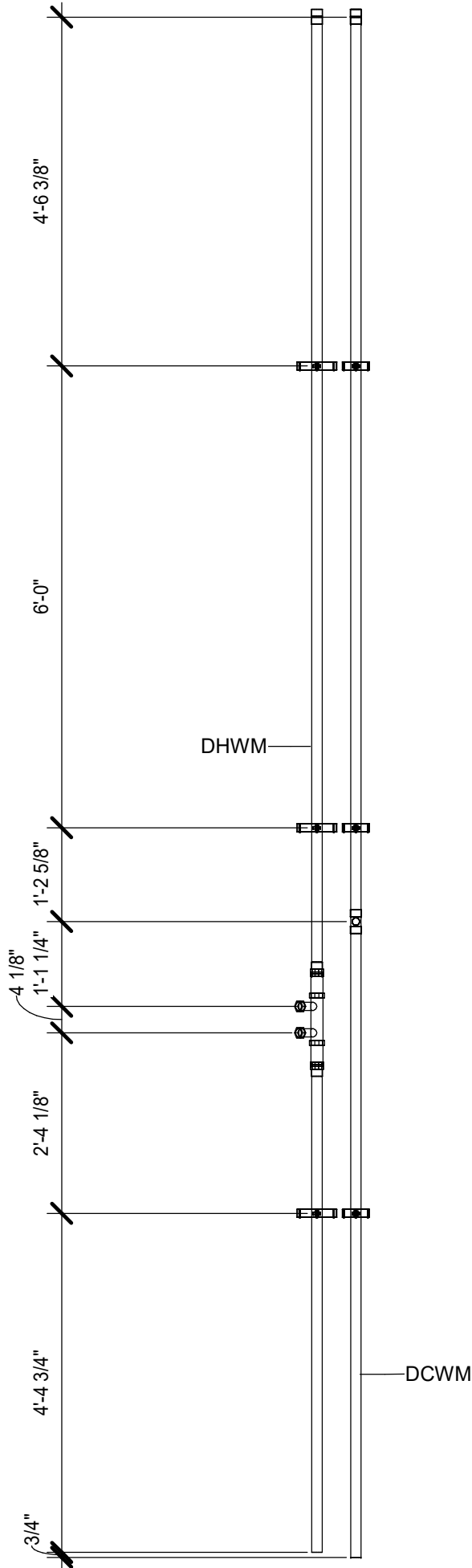
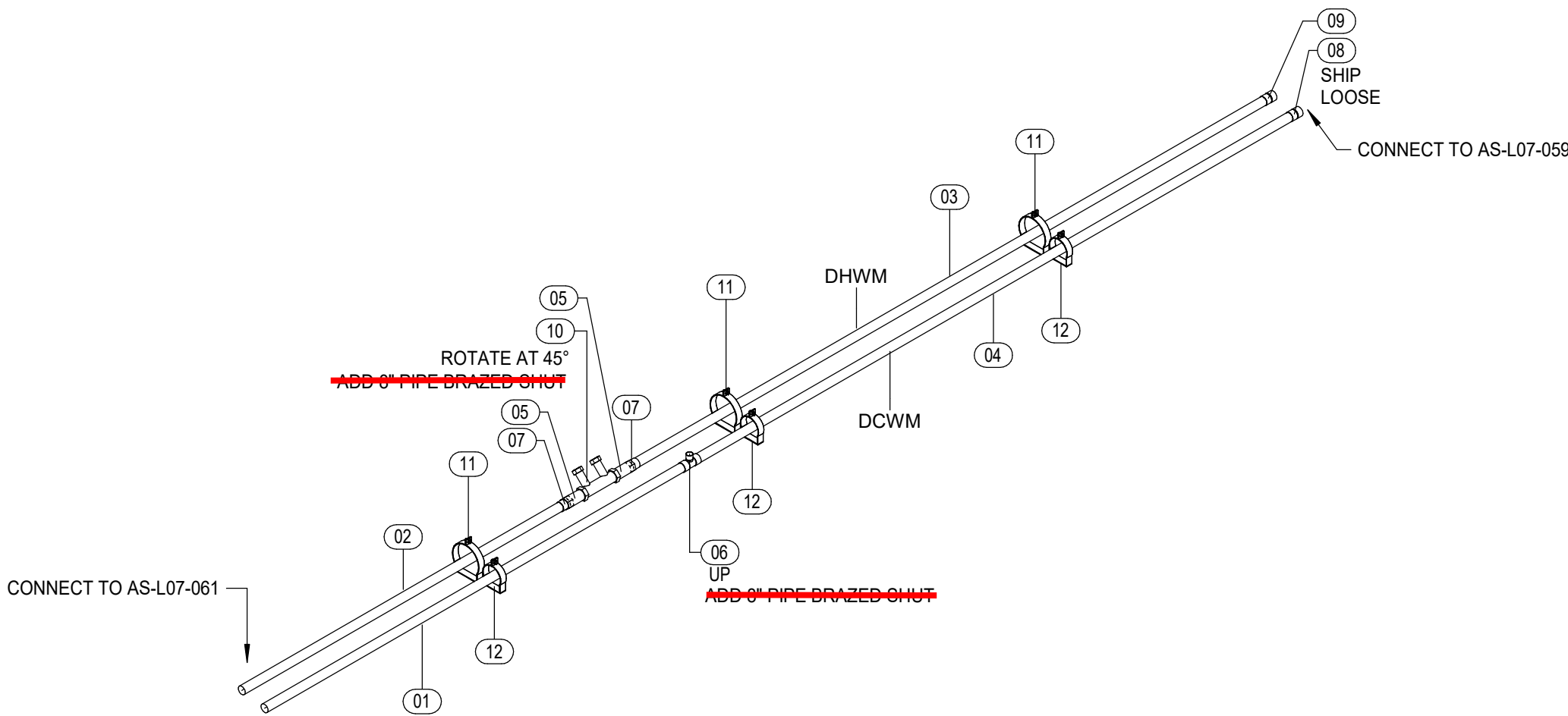
DATE REQ:

BIM 360://WUSM NRBWUSM_RB_PLF.rvt
11/19/2021 1:57:15 PM

| Mark | Qty | Size | Description | Length | Strut Width | Rob 1 | Rob 2 | Insulation |
|------|-----|-------------------|--|-------------|-------------|-------|-------|------------|
| 01 | 1 | 1 1/2" | Cerro Type L Hard Copper Pipe | 8'-2 1/4" | | | | 1" |
| 02 | 1 | 1 1/2" | Cerro Type L Hard Copper Pipe | 6'-3 1/4" | | | | 2" |
| 03 | 1 | 1 1/2" | Cerro Type L Hard Copper Pipe | 12'-4 5/16" | | | | 2" |
| 04 | 1 | 1 1/2" | Cerro Type L Hard Copper Pipe | 11'-8 1/8" | | | | 1" |
| 05 | 2 | 1 1/2" | Victaulic No.647 TT Dielectric Transition Fitting | | | | | 2" |
| 06 | 1 | 1 1/2"x1" | Nibco Wrot 611R CxCxC Reducing Tee | | | | | 1" |
| 07 | 2 | 1 1/2" | Nibco Wrot 603 Adapter CxF | | | | | 2" |
| 08 | 1 | 1 1/2" | Nibco Wrot 600 Dimpled Stop Coupling CxC | | | | | 1" |
| 09 | 1 | 1 1/2" | Nibco Wrot 600 Dimpled Stop Coupling CxC | | | | | 2" |
| 10 | 1 | 1 1/2"x1" | Kemper Kemper Fig651 20 KHS Flow-Splitter FPT | | | | | 2" |
| 11 | 3 | 5 1/8" | B Line B2000 Series - OD Pipe and Conduit | | 0" | | 0" | |
| 12 | 3 | 3 5/8" | B Line B2000 Series - OD Pipe and Conduit | | 0" | | 0" | |

11 3 5 5/8" B Line #2066

12 3 3 5/8" B Line #2050



1 ISOMETRIC

SCALE:

2 TOP VIEW

SCALE: 1/2\"/>

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

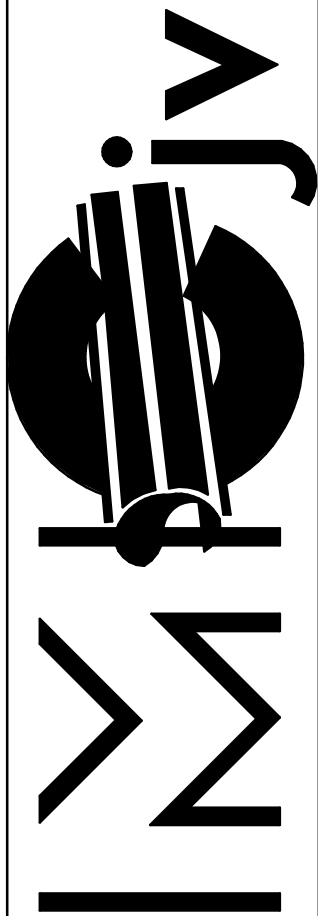
JOB: WASH U NRB

TICKET: PP-L07-060

Drawn By: Author

DATE: 11/18/21

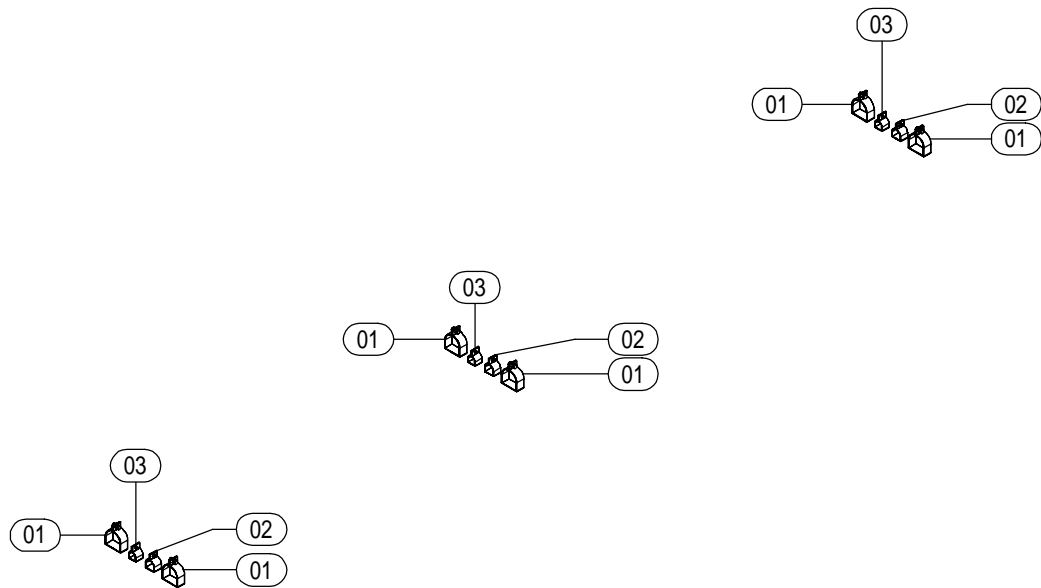
DATE REQ:



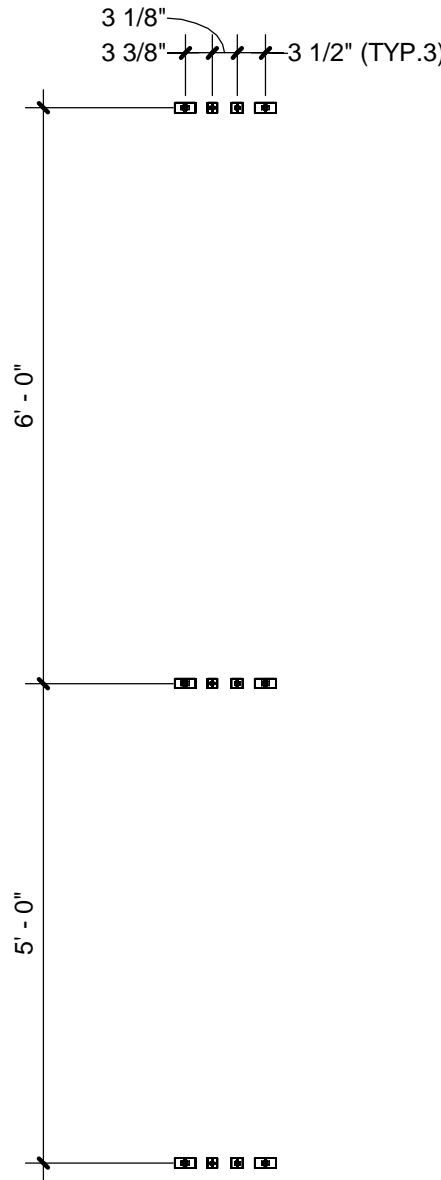
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314-997-6600 phone

BIM 360://WUSM NRB\\WUSM_RB_PUF.rvt
18-11-2021 12:43:03

| Mark | Qty | Size | Description | Length | Strut Width | Rob 1 | Rob 2 | Insulation |
|------|-----|-------|---|--------|-------------|-------|-------|------------|
| 01 | 6 | 2" | B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN | | 0" | | 0" | |
| 02 | 3 | 1" | B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN | | 0" | | 0" | |
| 03 | 3 | 0.75" | B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN | | 0" | | 0" | |



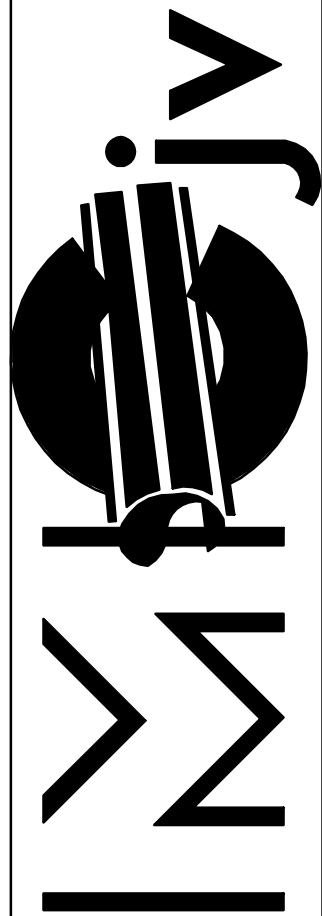
1 ISOMETRIC
SCALE:



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

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

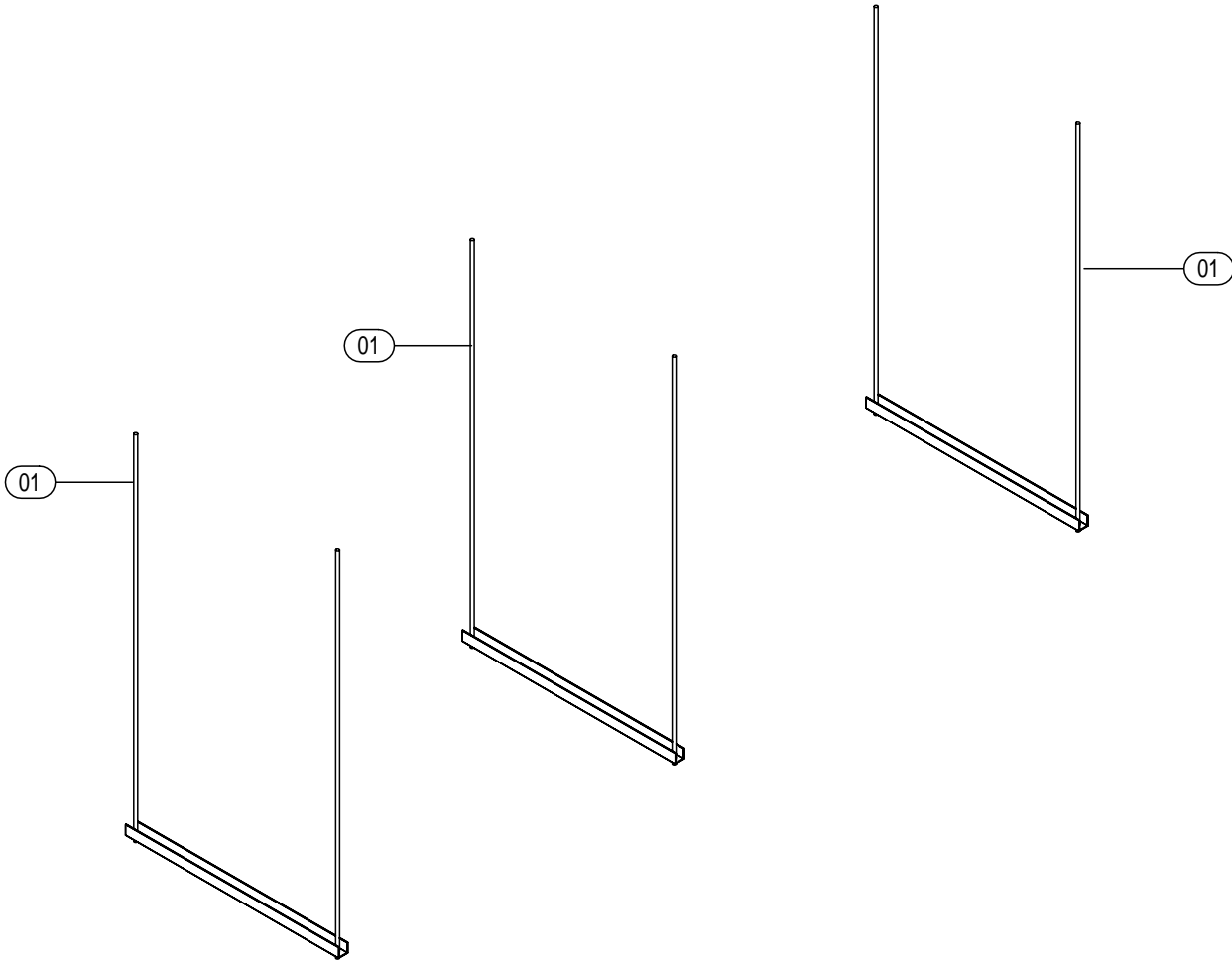
| | |
|------------------|---------------|
| JOB: | WASH U NRB |
| TICKET: | PUHGR-L07-060 |
| Drawn By: Author | |
| DATE: 11/18/21 | DATE REQ: |



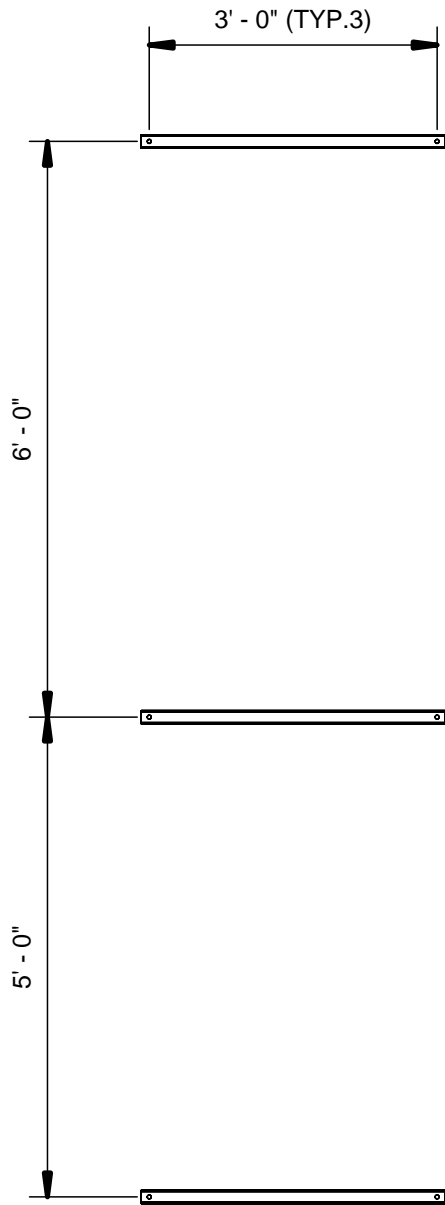
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BIM 360/WUSM NRB/WUSM_RB_HPE.rvt
18-11-2021 17:06:17

| Mark | Qty | Size | Description | Length | Strut Width | Rob 1 | Rob 2 | Insulation |
|------|-----|------|--|--------|-------------|---------------|---------------|------------|
| 01 | 3 | 34" | B-Line 1-5/8 GLV 12GA 2in Slotted Unistrut | | 3' - 2" | 5' - 2 15/16" | 5' - 2 15/16" | |



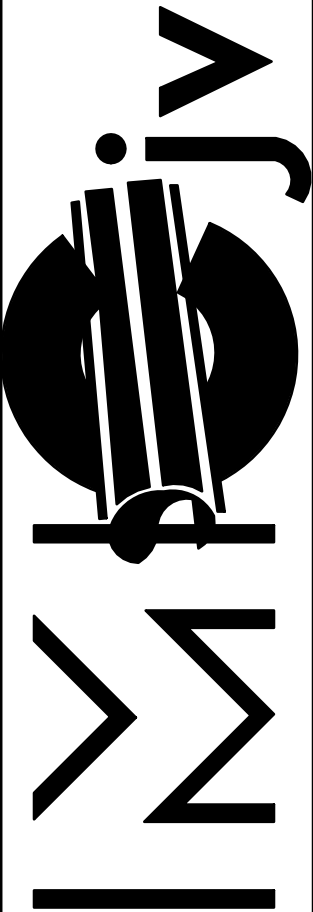
1 ISOMETRIC
SCALE:



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

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

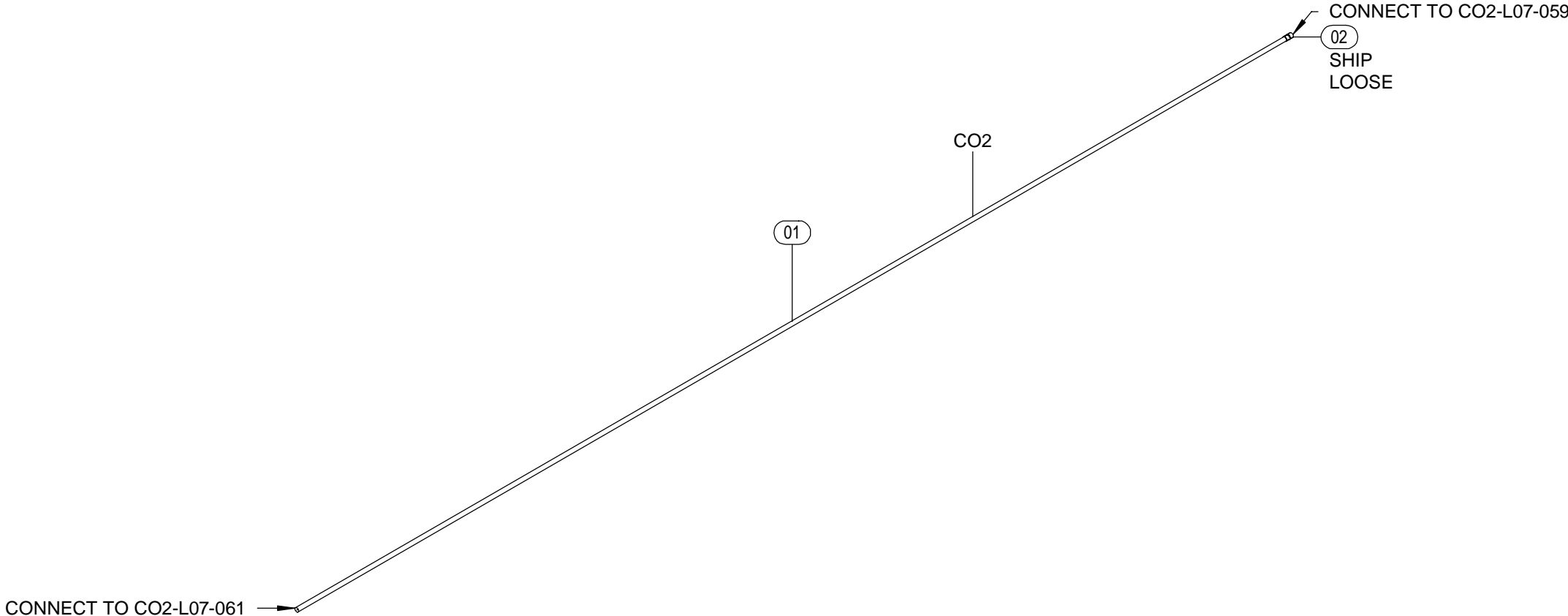
| | |
|------------------|---------------|
| JOB: | WASH U NRB |
| TICKET: | HPHGR-L07-060 |
| Drawn By: Author | |
| DATE: 11/18/21 | DATE REQ: |



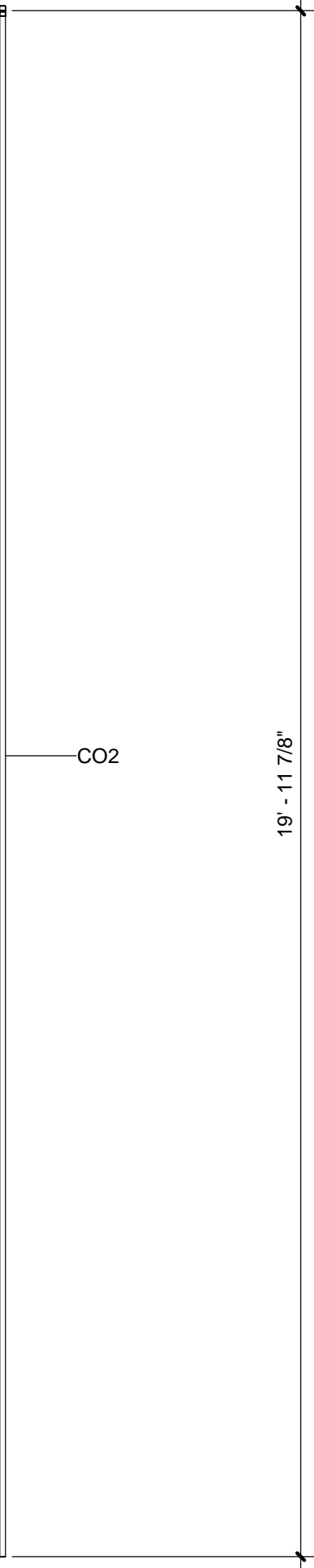
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BIM 360://WUSM NRB\\WUSM_RB_PUF.rvt
18-11-2021 17:07:42

| Mark | Qty | Size | Description | Length | Strut Width | Rob 1 | Rob 2 | Insulation |
|------|-----|------|---|---------------|-------------|-------|-------|------------|
| 01 | 1 | 3/4" | Cerro Type L Hard Copper - CFOS | 19'-11 13/16" | | | | |
| 02 | 1 | 3/4" | Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop | | | | | |



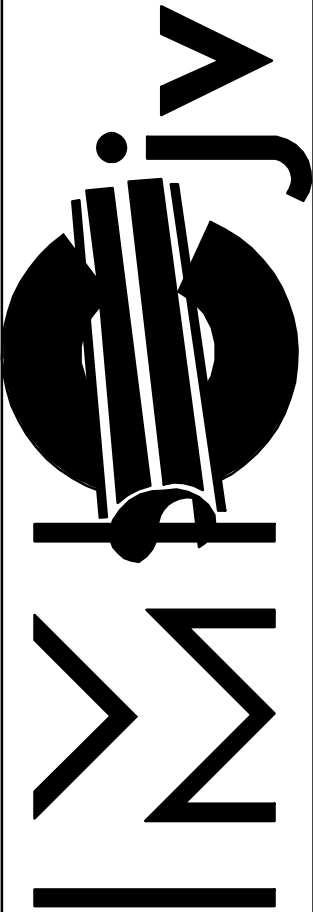
1 ISOMETRIC
SCALE:



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

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

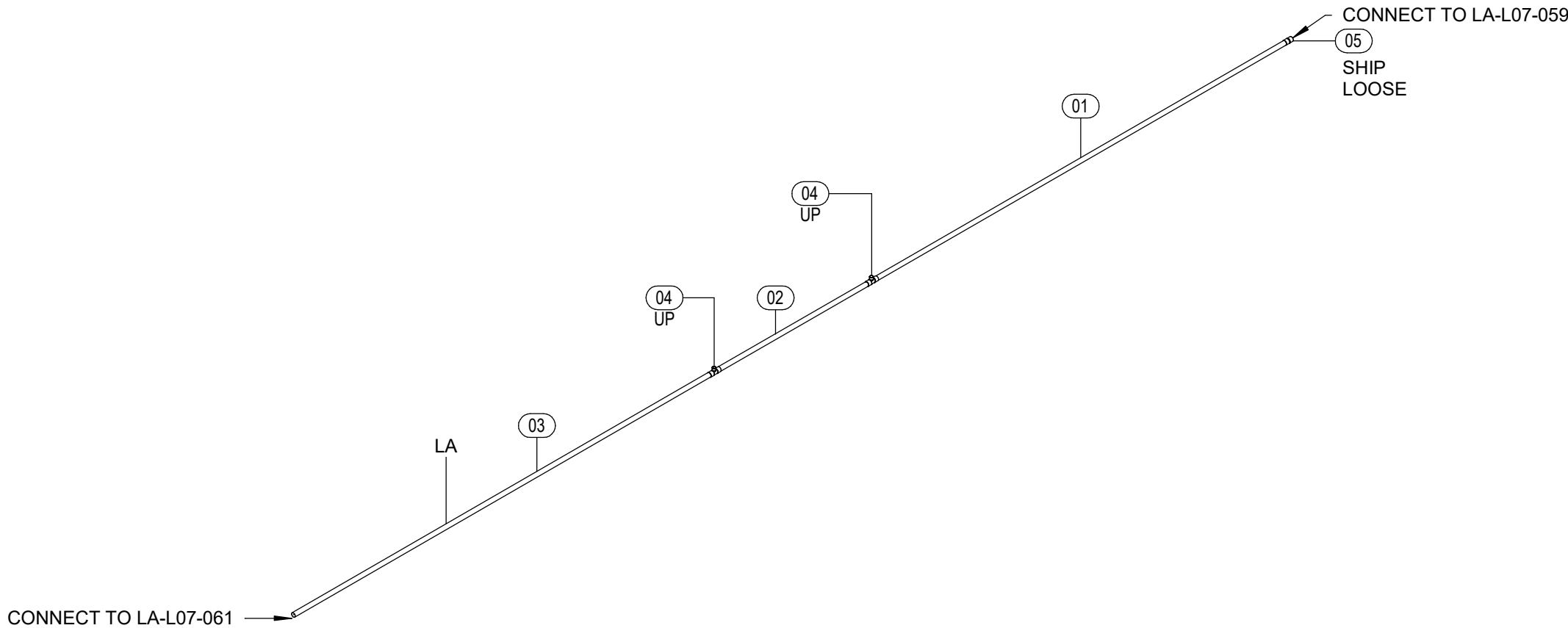
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TICKET: CO2-L07-060
Drawn By: Author
DATE: 11/18/21 DATE REQ:



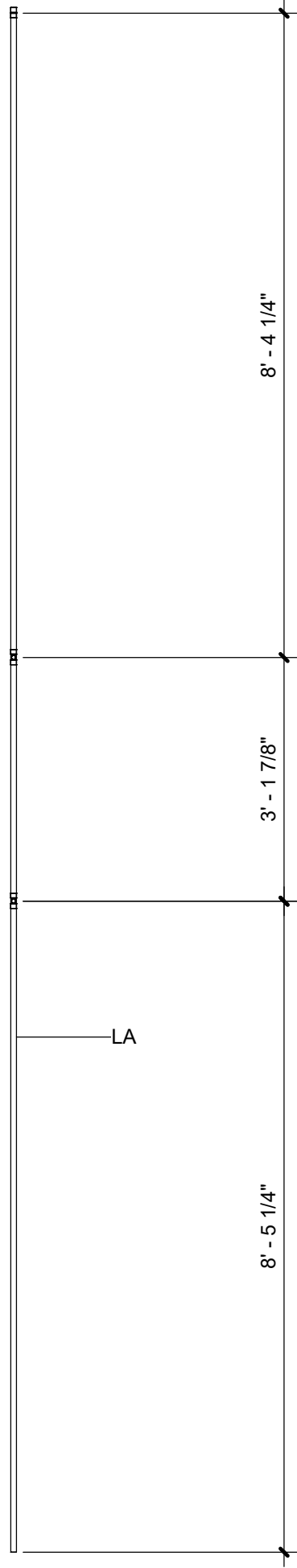
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BIM 360://WUSM NRBWUSM_RB_PUF.rvt
2/8/2022 10:18:10 AM

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



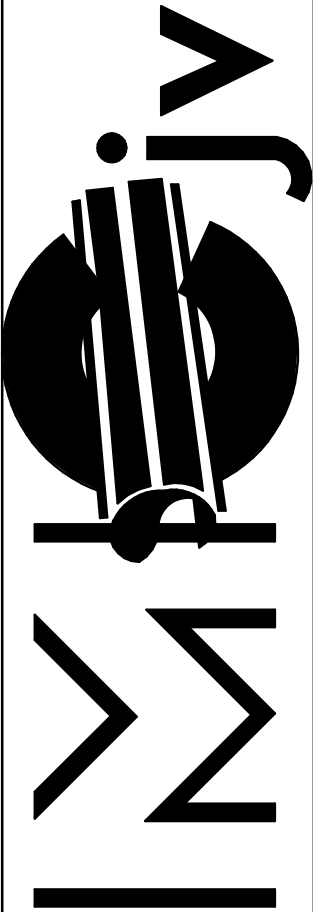
1 ISOMETRIC
SCALE:



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

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

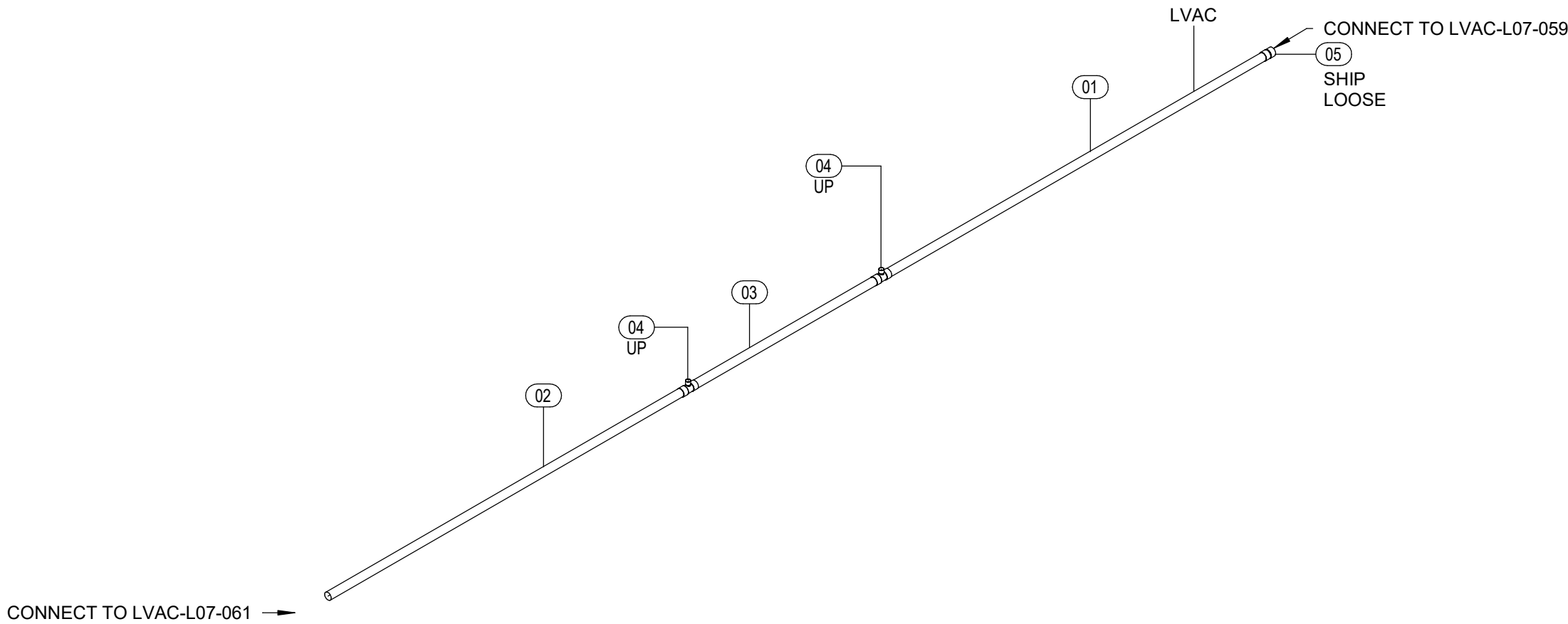
| | |
|------------------|------------|
| JOB: | WASH U NRB |
| TICKET: | LA-L07-060 |
| Drawn By: Author | |
| DATE: 11/18/21 | DATE REQ: |



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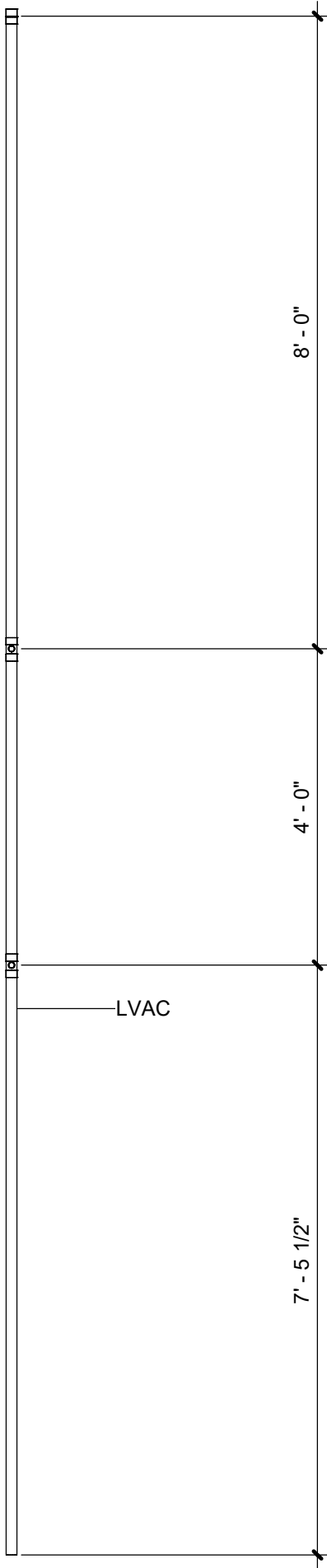
BIM 360://WUSM NRBWUSM RB PUF.rvt
2/8/2022 10:18:32 AM

| Mark | Qty | Size | Description | Length | Insulation |
|------|-----|--------------------|---|------------|------------|
| 01 | 1 | 1 1/2" | Cerro Type L Hard Copper - CFOS | 7'-11 1/4" | |
| 02 | 1 | 1 1/2" | Cerro Type L Hard Copper - CFOS | 7'-4 5/8" | |
| 03 | 1 | 1 1/2" | Cerro Type L Hard Copper - CFOS | 3'-10 5/8" | |
| 04 | 2 | 1 1/2"x3/4"x1 1/2" | Nibco 611R-CB CFOS Wrot Copper Reducing Tee | | |
| 05 | 1 | 1 1/2" | Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop | | |



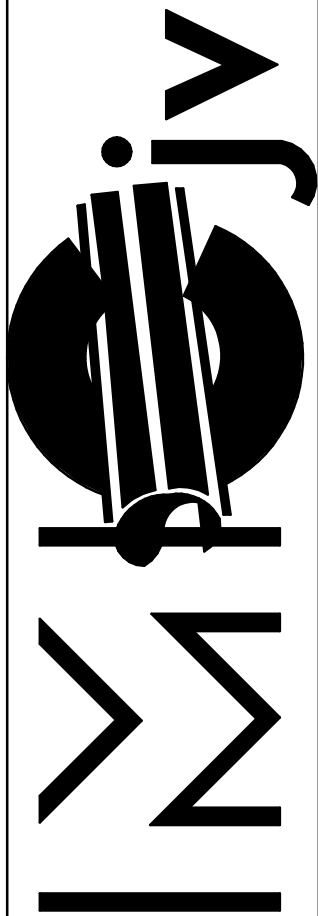
1 ISOMETRIC
SCALE:

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



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

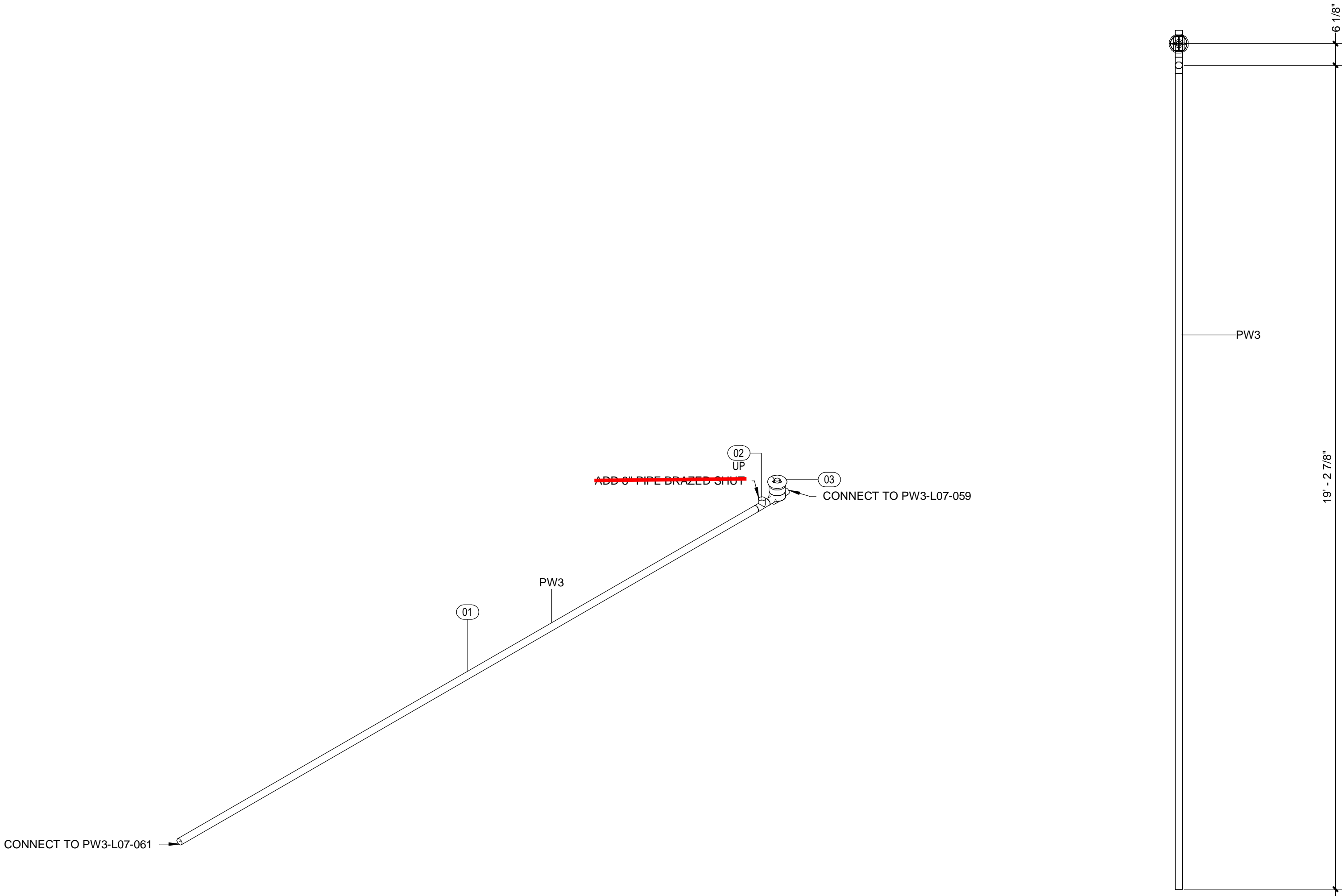
| | |
|------------------|--------------|
| JOB: | WASH U NRB |
| TICKET: | LVAC-L07-060 |
| Drawn By: Author | |
| DATE: 11/18/21 | DATE REQ: |



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BIM 360://WUSM NRB\\WUSM_RB_PUF.rvt
18-11-2021 16:58:01

| Mark | Qty | Size | Description | Length | Strut Width | Rob 1 | Rob 2 | Insulation |
|------|-----|--------|--|------------|-------------|-------|-------|------------|
| 01 | 1 | 1 1/2" | Geroge Fischer Sloane PROGEF STD-PP IR Butt-Fusion Pipe | 19'-0 5/8" | | | | |
| 02 | 1 | 1 1/2" | Geroge Fischer Sloane PROGEF STD-PP IR Butt-Fusion Tee | | | | | |
| 03 | 1 | 1 1/2" | George Fischer Sloane PROGEF STD-PP Type 515 EDPM Diaphragm Valve BF | | | | | |

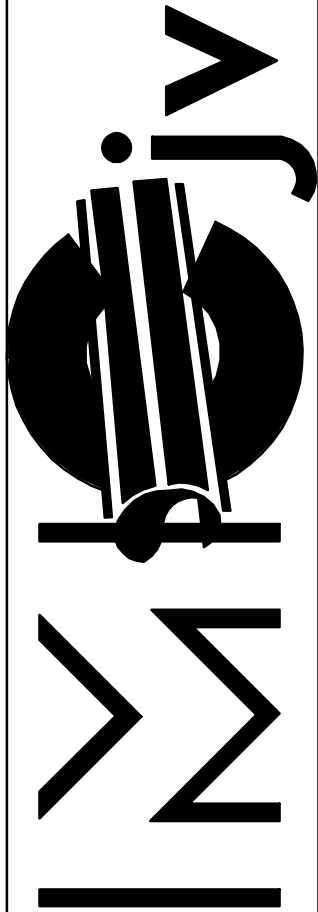


1 ISOMETRIC
SCALE:

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

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

JOB: WASH U NRB
TICKET: PW3-L07-060
Drawn By: Author
DATE: 11/18/21 DATE REQ:



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