

PLUMBING SYMBOLS LEGEND

Table with 10 columns: SYMBOL, DESCRIPTION, SYMBOL, DESCRIPTION, SYMBOL, DESCRIPTION, SYMBOL, DESCRIPTION, SYMBOL, DESCRIPTION. Contains plumbing symbols for valves, pipes, and fixtures.

NOTE: LEGENDS ON THIS SHEET ARE ALL-INCLUSIVE. ALL SYMBOLS, ABBREVIATIONS, OR PIPE SYSTEMS MAY NOT BE PART OF THIS PROJECT.

PLUMBING GENERAL NOTES

- 1. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED, TO INSTALL COMPLETE FOR AN OPERABLE PLUMBING SYSTEM AS INDICATED ON THE DRAWINGS, AS SPECIFIED, AND AS REQUIRED BY CODE. ALL MATERIAL SHALL BE NEW AND OF GOOD QUALITY. ALL WORK SHALL BE INSTALLED IN A NEAT AND WORKMAN LIKE MANNER.

PLUMBING ABBREVIATIONS

Table with 4 columns: ABB, DESCRIPTION, ABB, DESCRIPTION. Lists abbreviations for plumbing components like CU FT, AC, AD, AFF, AFG, AFR, AHU, AP, APPROX, ARCH, AST, C, Kg, L/s, m, m², m², m/s, mm, Pa, W, BLDG, BLW, BOF, BOT, C, CB, CFH, CLG, CONC, COND, CONN, CONT, CONTR.

PLUMBING PIPE LEGEND

Table with 3 columns: SYMBOL, ABBREV, DESCRIPTION. Lists pipe symbols for compressed air, cold water, hot water, and sanitary vent.

Vertical sidebar containing logos for NAVFAC, Michael Baker International, and project information including 'LOGCOM CSP WAREHOUSE' and 'PLUMBING GENERAL NOTES, ABBREVIATIONS & SYMBOLS'.

FILE NAME: BIM\_360/HF PACKAGE 3P1527.LOG.COM.CSP-1639804P.04

PLOTTED: 8/22/2021 5:07:39 PM

P1527 PREFINAL SUBMISSION - 08/06/2021

1

2

3

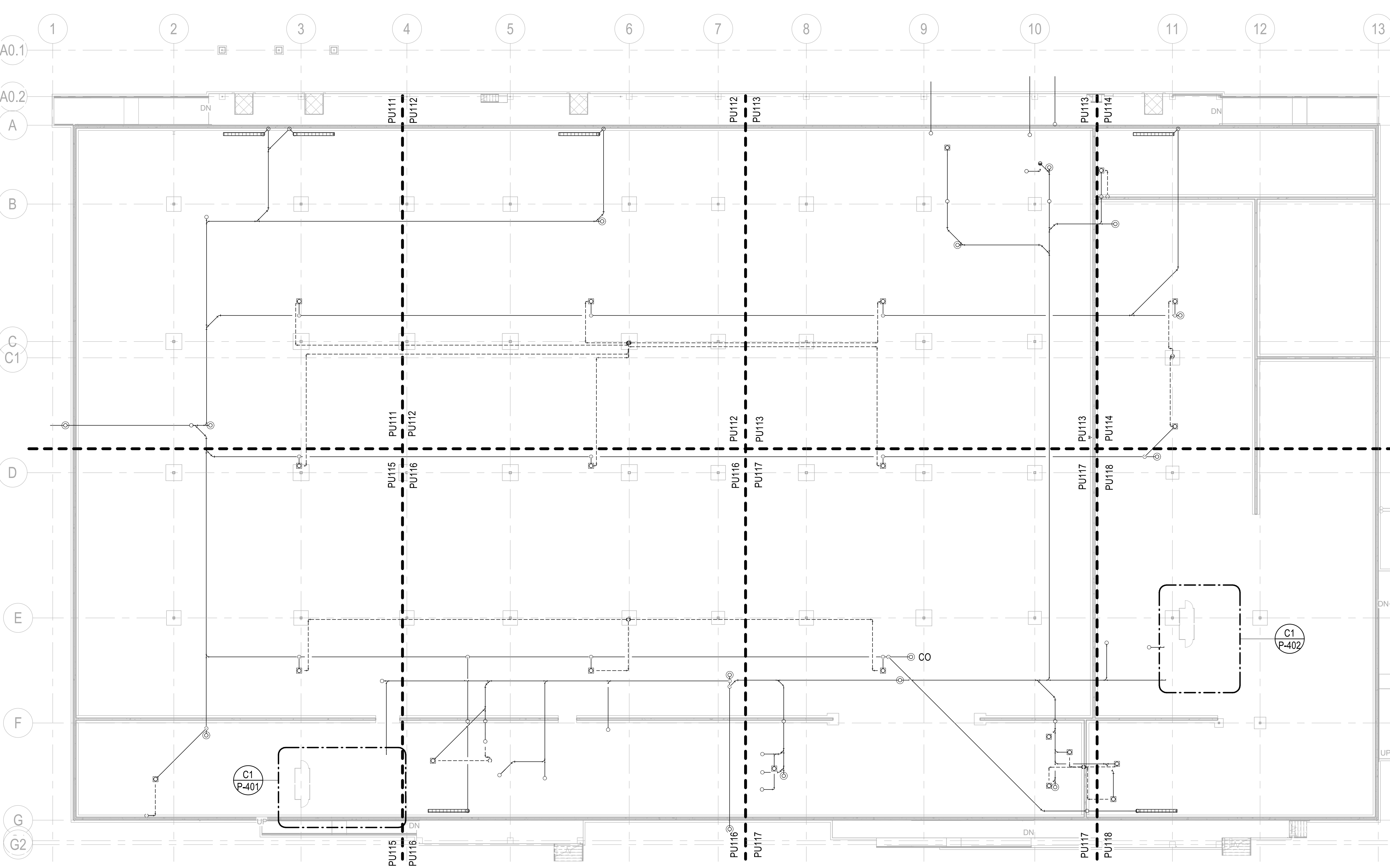
4

5

GENERAL NOTES

- 1 SEE P-001 FOR GENERAL NOTES, ABBREVIATIONS & SYMBOLS.
- 2 REFER TO STRUCTURAL DRAWINGS FOR THE EXACT SIZE, LOCATION, AND ELEVATION OF FOUNDATIONS, FOOTINGS AND GRADE BEAMS.
- 3 REFER TO STRUCTURAL DRAWINGS FOR DETAILS OF PIPE CROSSINGS UNDER OR THROUGH THE STRUCTURAL FOUNDATIONS, FOOTINGS AND GRADE BEAMS.
- 4 ALL UNDERFLOOR SANITARY SEWERS SHALL BE INSTALLED AT A MINIMUM SLOPE OF 1/8"1'-0", UNLESS NOTED OTHERWISE.
- 5 UNDERFLOOR VENTS SHALL CONNECT ABOVE CENTERLINE OF WASTE / SANITARY PIPE & SHALL RISE CONTINUOUSLY THROUGH FLOOR A MINIMUM 6" ABOVE FLOOD LEVEL OF FIXTURE. PROVIDE 45° CONNECTION TO WASTE / SANITARY LINE.
- 6 UNDERFLOOR SANITARY SEWER PIPING SHALL BE A MINIMUM OF 4" UNLESS NOTED OTHERWISE.
- 7 REFER TO P-700 SERIES FOR RISER DIAGRAMS.
- 8 SEE CIVIL DWGS FOR ACTUAL FINISHED FLOOR ELEVATION. TOP OF SLAB EQUALS FINISHED FLOOR ELEVATION AND MUST SERVE AS THE REFERENCE ELEVATION 0.0'.

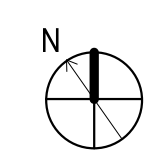
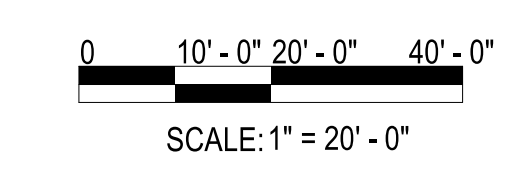
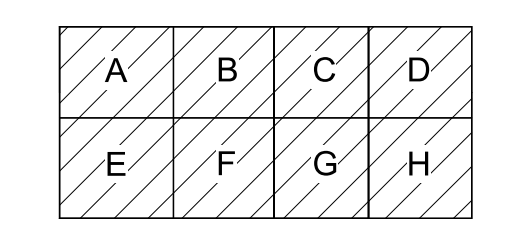
D  
A0.1  
A0.2  
A  
B  
C  
C1  
D  
E  
F  
G  
G2  
A



PLUMBING - UNDERGROUND PLAN

SCALE: 1" = 20'-0"

KEYPLAN



SYN	DESCRIPTION	DATE	APPR



**PRELIMINARY**  
NOT FOR CONSTRUCTION



**Michael Baker INTERNATIONAL**  
100 AIRSIDE DRIVE  
MOON TOWNSHIP, PA 15108  
APPROVED

FOR COMMANDER NAVFAC  
ACTIVITY  
MARINE CORPS BASE  
CAMP LEJEUNE  
SATISFACTORY TO DATE DD/MM/YY  
DES SKH DRW JTP CHK DWH  
PM  
BRANCH HEAD  
DESIGN DIRECTOR  
FIRE PROTECTION

DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND  
ATLANTIC DESIGN AND CONSTRUCTION  
NAVFAC DRAWING NO. N40085-20-C-0059  
PROJECT NO. 1639600  
CONSTR. CONTR. NO. N40085-20-C-0059  
AS NOTED  
SHEET OF

LOGCOM CSP WAREHOUSE  
PLUMBING - UNDERGROUND PLAN - OVERALL  
**PU110**

FILE NAME: BIM\_360/HF PACKAGE 3P1527 LOG COM CSP-163960-P1

PLOTTED: 8/22/2021 5:08:36 PM

P1527 PRELIM SUBMISSION - 08/06/2021

UNCLASSIFIED

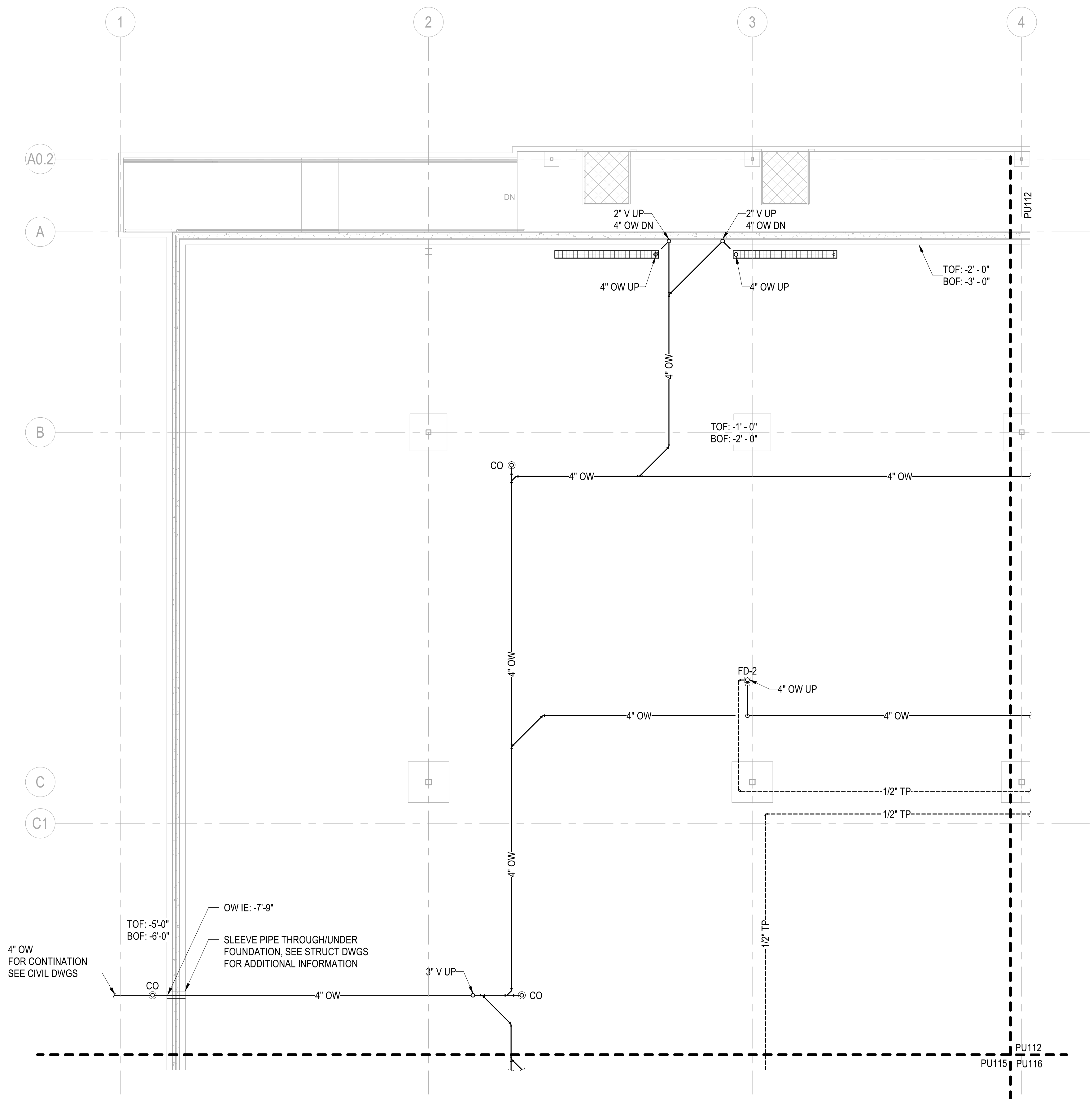
1

2

3

4

5



**PLUMBING - UNDERGROUND PLAN - AREA A**  
 SCALE: 1/8" = 1'-0"

**GENERAL NOTES**

- 1 SEE P-001 FOR GENERAL NOTES, ABBREVIATIONS & SYMBOLS.
- 2 REFER TO STRUCTURAL DRAWINGS FOR THE EXACT SIZE, LOCATION, AND ELEVATION OF FOUNDATIONS, FOOTINGS AND GRADE BEAMS.
- 3 REFER TO STRUCTURAL DRAWINGS FOR DETAILS OF PIPE CROSSINGS UNDER OR THROUGH THE STRUCTURAL FOUNDATIONS, FOOTINGS AND GRADE BEAMS.
- 4 ALL UNDERFLOOR SANITARY SEWERS SHALL BE INSTALLED AT A MINIMUM SLOPE OF 1/8"/1'-0", UNLESS NOTED OTHERWISE.
- 5 UNDERFLOOR VENTS SHALL CONNECT ABOVE CENTERLINE OF WASTE / SANITARY PIPE & SHALL RISE CONTINUOUSLY THROUGH FLOOR A MINIMUM 6" ABOVE FLOOD LEVEL OF FIXTURE. PROVIDE 45° CONNECTION TO WASTE / SANITARY LINE.
- 6 UNDERFLOOR SANITARY SEWER PIPING SHALL BE A MINIMUM OF 4" UNLESS NOTED OTHERWISE.
- 7 REFER TO P-700 SERIES FOR RISER DIAGRAMS.
- 8 SEE CIVIL DWGS FOR ACTUAL FINISHED FLOOR ELEVATION. TOP OF SLAB EQUALS FINISHED FLOOR ELEVATION AND MUST SERVE AS THE REFERENCE ELEVATION 0.0'.

SYMBOL	DESCRIPTION	DATE	APPROVED



**PRELIMINARY**  
 NOT FOR CONSTRUCTION

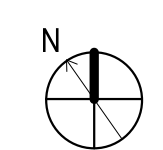
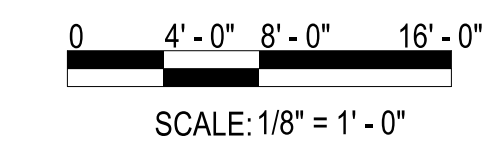
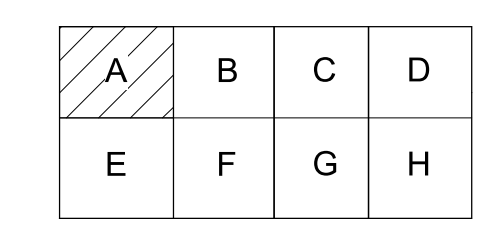


**Michael Baker INTERNATIONAL**  
 100 AIRSIDE DRIVE  
 MOON TOWNSHIP, PA 15108

FOR COMMANDER NAVFAC  
 ACTIVITY  
 MARINE CORPS BASE  
 CAMP LEJEUNE  
 SATISFACTORY TO DATE DD/MM/YY  
 DES SKH DRW JTP CHK DWH  
 PM  
 BRANCH HEAD  
 DESIGN DIRECTOR  
 FIRE PROTECTION

DEPARTMENT OF THE NAVY  
 NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND  
 ATLANTIC DESIGN AND CONSTRUCTION  
 MCB CAMP LEJEUNE  
 JACKSONVILLE, NC  
 LOGCOM CSP WAREHOUSE  
 PLUMBING - UNDERGROUND PLAN - AREA A

**KEYPLAN**



SCALE: AS NOTED  
 EPROJECT NO.: 1639600  
 CONSTR. CONTR. NO. N40085-20-C-0059  
 NAVFAC DRAWING NO.  
 SHEET OF  
**PU11**

PLOTTED: 8/2/2021 5:08:38 PM

FILE NAME: BIM\_360/HF PACKAGE 3/P1527.LOG.COM.CSP-1639600.PLOT

P1527 PRELIMINARY SUBMISSION - 08/06/2021

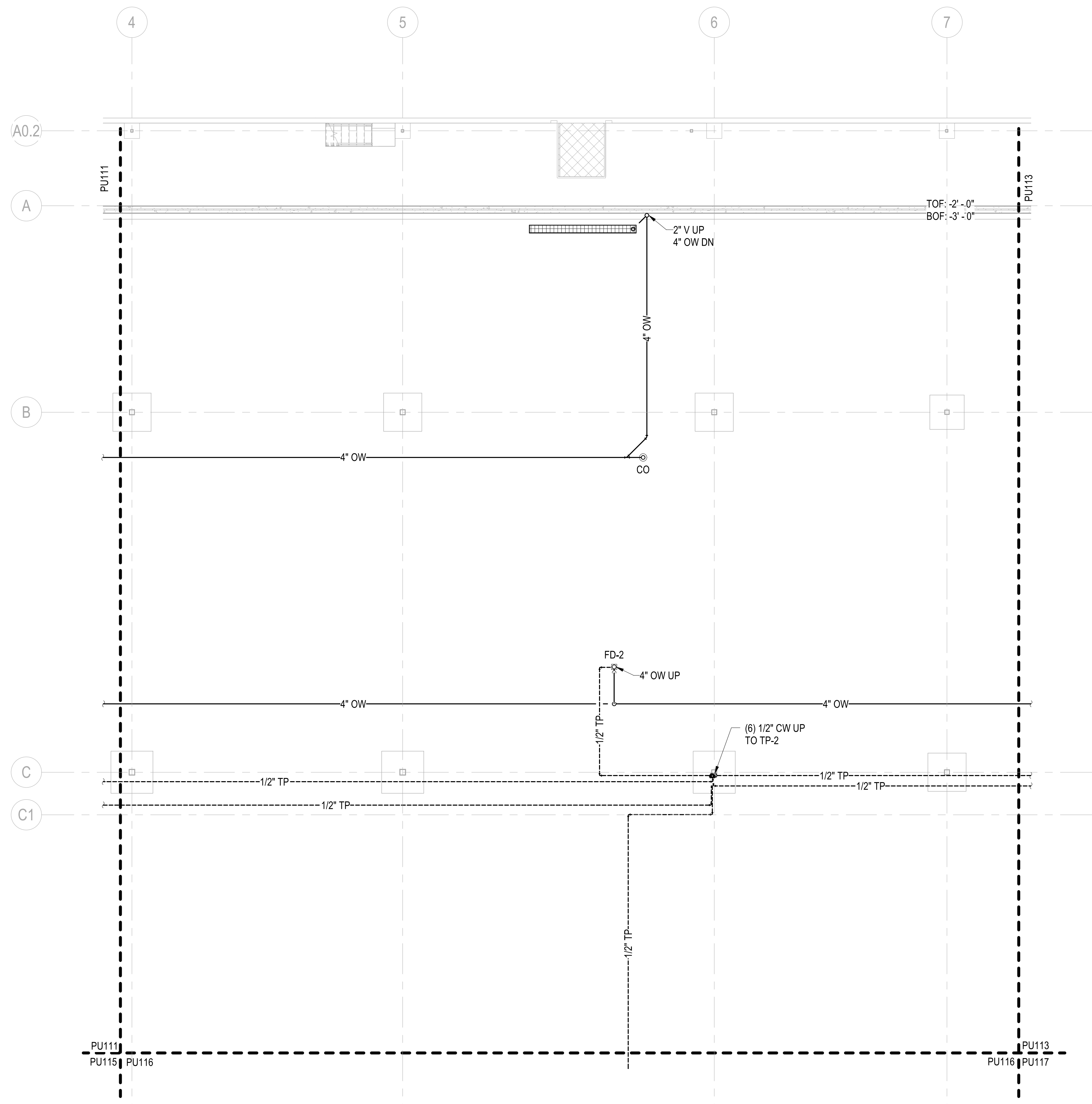
1

2

3

4

5



**PLUMBING - UNDERGROUND PLAN - AREA B**  
 SCALE: 1/8" = 1'-0"

**GENERAL NOTES**

- 1 SEE P-001 FOR GENERAL NOTES, ABBREVIATIONS & SYMBOLS.
- 2 REFER TO STRUCTURAL DRAWINGS FOR THE EXACT SIZE, LOCATION, AND ELEVATION OF FOUNDATIONS, FOOTINGS AND GRADE BEAMS.
- 3 REFER TO STRUCTURAL DRAWINGS FOR DETAILS OF PIPE CROSSINGS UNDER OR THROUGH THE STRUCTURAL FOUNDATIONS, FOOTINGS AND GRADE BEAMS.
- 4 ALL UNDERFLOOR SANITARY SEWERS SHALL BE INSTALLED AT A MINIMUM SLOPE OF 1/8"1'-0", UNLESS NOTED OTHERWISE.
- 5 UNDERFLOOR VENTS SHALL CONNECT ABOVE CENTERLINE OF WASTE / SANITARY PIPE & SHALL RISE CONTINUOUSLY THROUGH FLOOR A MINIMUM 6" ABOVE FLOOD LEVEL OF FIXTURE. PROVIDE 45° CONNECTION TO WASTE / SANITARY LINE.
- 6 UNDERFLOOR SANITARY SEWER PIPING SHALL BE A MINIMUM OF 4" UNLESS NOTED OTHERWISE.
- 7 REFER TO P-700 SERIES FOR RISER DIAGRAMS.
- 8 SEE CIVIL DWGS FOR ACTUAL FINISHED FLOOR ELEVATION. TOP OF SLAB EQUALS FINISHED FLOOR ELEVATION AND MUST SERVE AS THE REFERENCE ELEVATION 0.0'.

SYMBOL	DESCRIPTION	DATE	APPROVED



**PRELIMINARY**  
 NOT FOR CONSTRUCTION



**Michael Baker INTERNATIONAL**  
 100 AIRSIDE DRIVE  
 MOON TOWNSHIP, PA 15108

FOR COMMANDER NAVFAC  
 ACTIVITY  
 MARINE CORPS BASE  
 CAMP LEJEUNE

SATISFACTORY TO DATE DD/MM/YY

DES SKH DRW JTP CHK DWH

PM

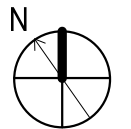
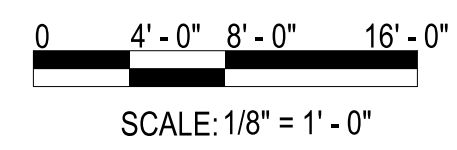
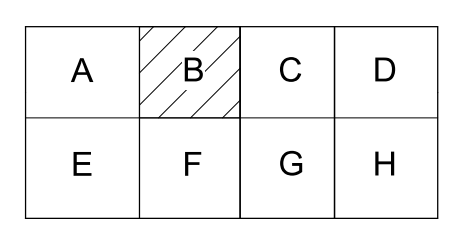
BRANCH HEAD

DESIGN DIRECTOR

FIRE PROTECTION

DEPARTMENT OF THE NAVY  
 NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND  
 NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ATLANTIC  
 ATLANTIC DESIGN AND CONSTRUCTION  
 MCB CAMP LEJEUNE  
 JACKSONVILLE, NC  
 LOGCOM CSP WAREHOUSE  
 PLUMBING - UNDERGROUND PLAN - AREA B

**KEYPLAN**



SCALE: AS NOTED  
 EPROJECT NO.: 1639600  
 CONSTR. CONTR. NO. N40085-20-C-0059  
 NAVFAC DRAWING NO.  
 SHEET OF  
**PU112**

PLOTTED: 8/2/2021 5:08:40 PM

FILE NAME: BIM 360/HF PACKAGE 3/P1527 LOG COM CSP-1639600.PLT

P1527 PREFINAL SUBMISSION - 08/06/2021

1

2

3

4

5

D

C

B

A

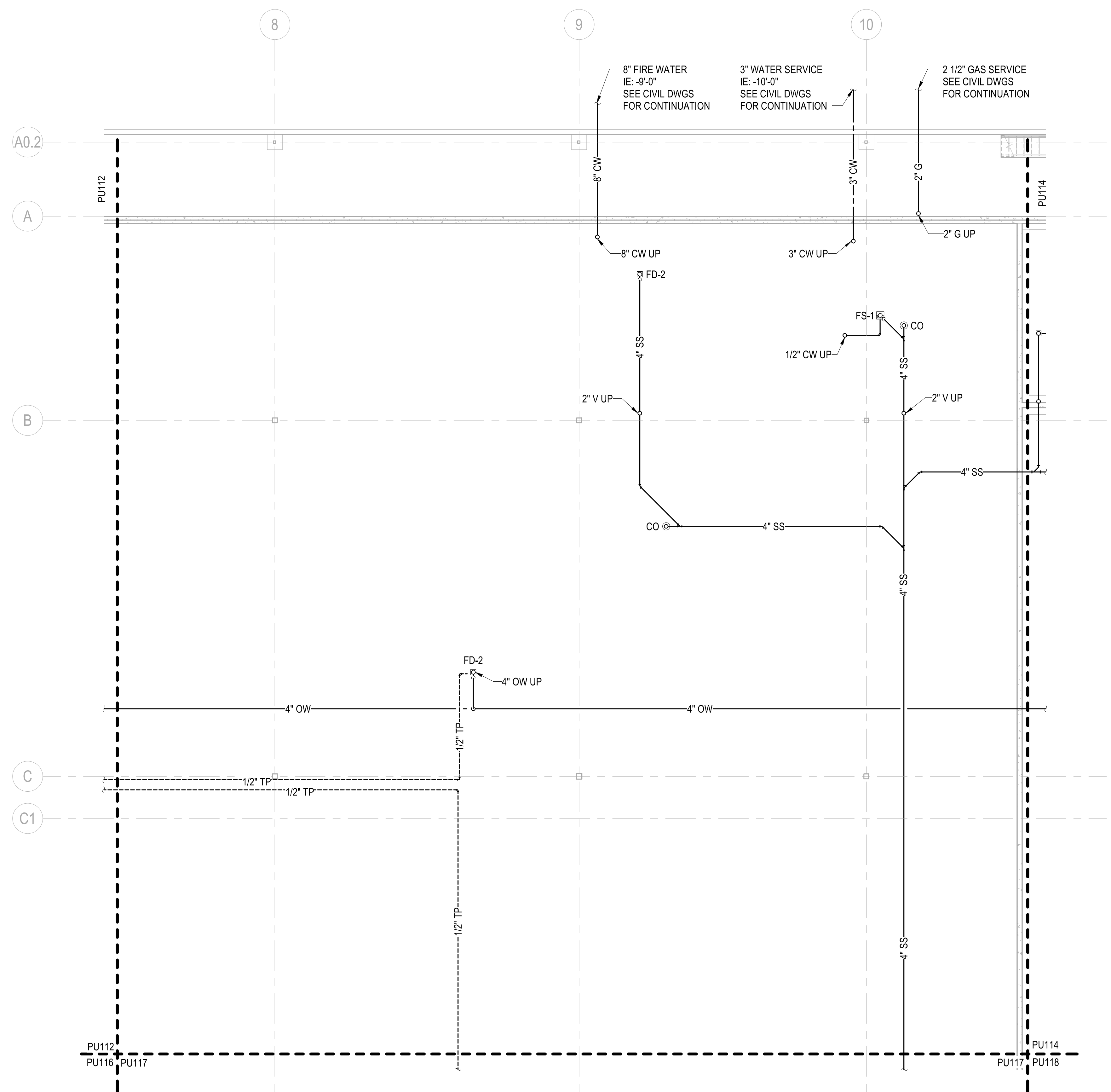
D

C

B

A

FILE NAME: BIM 360/HF PACKAGE 3P1527.LOG.COM.CSP-1639600.P1  
PLOTTED: 8/2/2021 5:08:42 PM

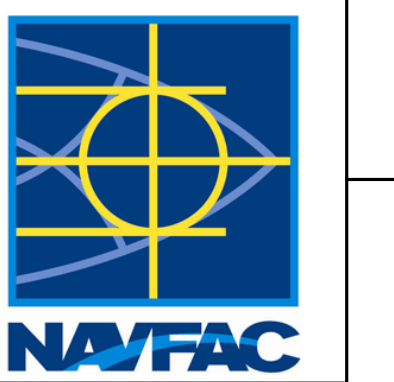


**PLUMBING - UNDERGROUND PLAN - AREA C**  
SCALE: 1/8" = 1'-0"

**GENERAL NOTES**

- SEE P-001 FOR GENERAL NOTES, ABBREVIATIONS & SYMBOLS.
- REFER TO STRUCTURAL DRAWINGS FOR THE EXACT SIZE, LOCATION, AND ELEVATION OF FOUNDATIONS, FOOTINGS AND GRADE BEAMS.
- REFER TO STRUCTURAL DRAWINGS FOR DETAILS OF PIPE CROSSINGS UNDER OR THROUGH THE STRUCTURAL FOUNDATIONS, FOOTINGS AND GRADE BEAMS.
- ALL UNDERFLOOR SANITARY SEWERS SHALL BE INSTALLED AT A MINIMUM SLOPE OF 1/8"1'-0", UNLESS NOTED OTHERWISE.
- UNDERFLOOR VENTS SHALL CONNECT ABOVE CENTERLINE OF WASTE / SANITARY PIPE & SHALL RISE CONTINUOUSLY THROUGH FLOOR A MINIMUM 6" ABOVE FLOOD LEVEL OF FIXTURE. PROVIDE 45° CONNECTION TO WASTE / SANITARY LINE.
- UNDERFLOOR SANITARY SEWER PIPING SHALL BE A MINIMUM OF 4" UNLESS NOTED OTHERWISE.
- REFER TO P-700 SERIES FOR RISER DIAGRAMS.
- SEE CIVIL DWGS FOR ACTUAL FINISHED FLOOR ELEVATION. TOP OF SLAB EQUALS FINISHED FLOOR ELEVATION AND MUST SERVE AS THE REFERENCE ELEVATION 0.0'.

SYMBOL	DESCRIPTION	DATE	APPROVED



**PRELIMINARY**  
NOT FOR CONSTRUCTION

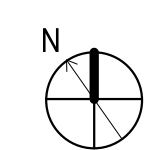
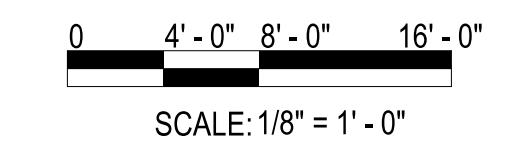
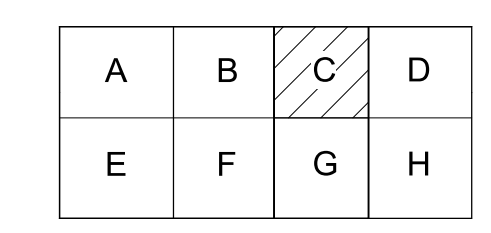


**Michael Baker INTERNATIONAL**  
100 AIRSIDE DRIVE  
MOON TOWNSHIP, PA 15108

FOR COMMANDER NAVFAC  
ACTIVITY  
MARINE CORPS BASE  
CAMP LEJEUNE  
SATISFACTORY TO DATE DD/MM/YY  
DES SKH | DRW JTP | CHK DWH  
PM  
BRANCH HEAD  
DESIGN DIRECTOR  
FIRE PROTECTION

DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND  
ATLANTIC DESIGN AND CONSTRUCTION  
NAVFAC DRAWING NO. JACKSONVILLE, NC  
LOGCOM CSP WAREHOUSE  
PLUMBING - UNDERGROUND PLAN - AREA C

**KEYPLAN**



SCALE: AS NOTED  
EPROJECT NO.: 1639600  
CONSTR. CONTR. NO. N40085-20-C-0059  
NAVFAC DRAWING NO.  
SHEET OF  
**PU113**

1

2

3

4

5

D

C

B

A

D

C

B

A

- GENERAL NOTES**
- 1 SEE P-001 FOR GENERAL NOTES, ABBREVIATIONS & SYMBOLS.
  - 2 REFER TO STRUCTURAL DRAWINGS FOR THE EXACT SIZE, LOCATION, AND ELEVATION OF FOUNDATIONS, FOOTINGS AND GRADE BEAMS.
  - 3 REFER TO STRUCTURAL DRAWINGS FOR DETAILS OF PIPE CROSSINGS UNDER OR THROUGH THE STRUCTURAL FOUNDATIONS, FOOTINGS AND GRADE BEAMS.
  - 4 ALL UNDERFLOOR SANITARY SEWERS SHALL BE INSTALLED AT A MINIMUM SLOPE OF 1/8"1'-0", UNLESS NOTED OTHERWISE.
  - 5 UNDERFLOOR VENTS SHALL CONNECT ABOVE CENTERLINE OF WASTE / SANITARY PIPE & SHALL RISE CONTINUOUSLY THROUGH FLOOR A MINIMUM 6" ABOVE FLOOD LEVEL OF FIXTURE. PROVIDE 45° CONNECTION TO WASTE / SANITARY LINE.
  - 6 UNDERFLOOR SANITARY SEWER PIPING SHALL BE A MINIMUM OF 4" UNLESS NOTED OTHERWISE.
  - 7 REFER TO P-700 SERIES FOR RISER DIAGRAMS.
  - 8 SEE CIVIL DWGS FOR ACTUAL FINISHED FLOOR ELEVATION. TOP OF SLAB EQUALS FINISHED FLOOR ELEVATION AND MUST SERVE AS THE REFERENCE ELEVATION 0.0'.

SYN	DESCRIPTION	DATE	APPR



**PRELIMINARY**  
NOT FOR CONSTRUCTION



**Michael Baker INTERNATIONAL**  
100 AIRSIDE DRIVE  
MOON TOWNSHIP, PA 15108

FOR COMMANDER NAVFAC  
ACTIVITY  
MARINE CORPS BASE  
CAMP LEJEUNE  
SATISFACTORY TO DATE DD/MM/YY  
DES SKH | DRW JTP | CHK DWH  
PM  
BRANCH HEAD  
DESIGN DIRECTOR  
FIRE PROTECTION

DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND  
ATLANTIC DESIGN AND CONSTRUCTION  
NAVFAC DRAWING NO.  
NAVFAC PROJECT NO.  
NAVFAC DRAWING NO.  
SHEET OF

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ATLANTIC  
NORFOLK, VA  
MCB CAMP LEJEUNE  
JACKSONVILLE, NC  
LOGCOM CSP WAREHOUSE  
PLUMBING - UNDERGROUND PLAN - AREA D

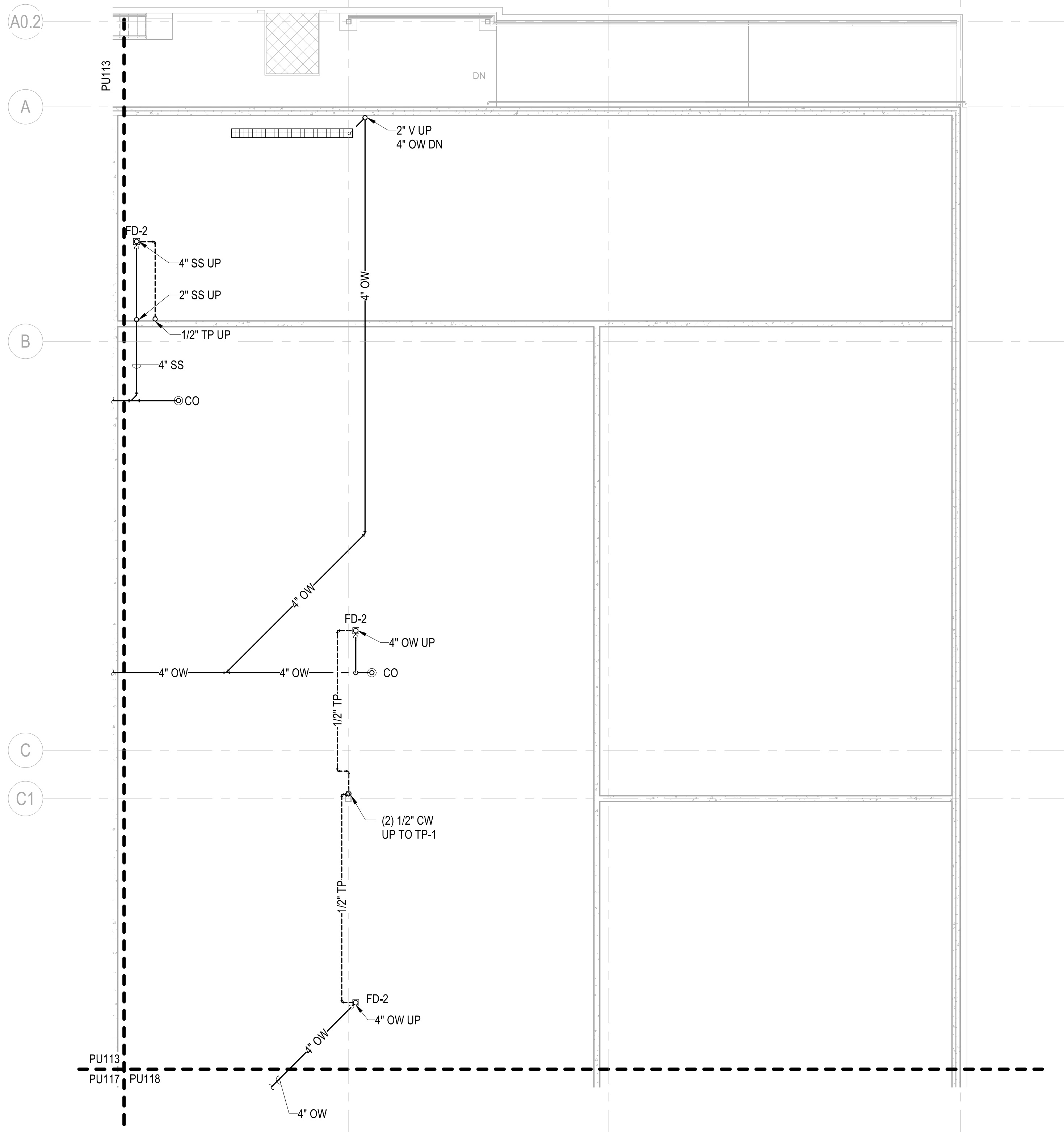
SCALE: AS NOTED  
PROJECT NO.: 1639600  
CONSTR. CONTR. NO. N40085-20-C-0059  
NAVFAC DRAWING NO.  
SHEET OF  
**PU114**

UNCLASSIFIED

P1527 PREFINAL SUBMISSION - 08/09/2021

FILE NAME: BIM\_360/HF PACKAGE 3/P1527 LOG COM CSP-1639600.PLT  
PLOTTED: 8/2/2021 5:08:44 PM

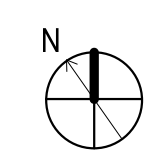
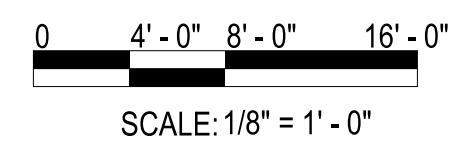
FILE NAME: BIM\_360/HF PACKAGE 3/P1527 LOG COM CSP-1639600.PLT  
PLOTTED: 8/2/2021 5:08:44 PM



**PLUMBING - UNDERGROUND PLAN - AREA D**  
SCALE: 1/8" = 1'-0"

**KEYPLAN**

A	B	C	D
E	F	G	H



1

2

3

4

5

1

2

3

4

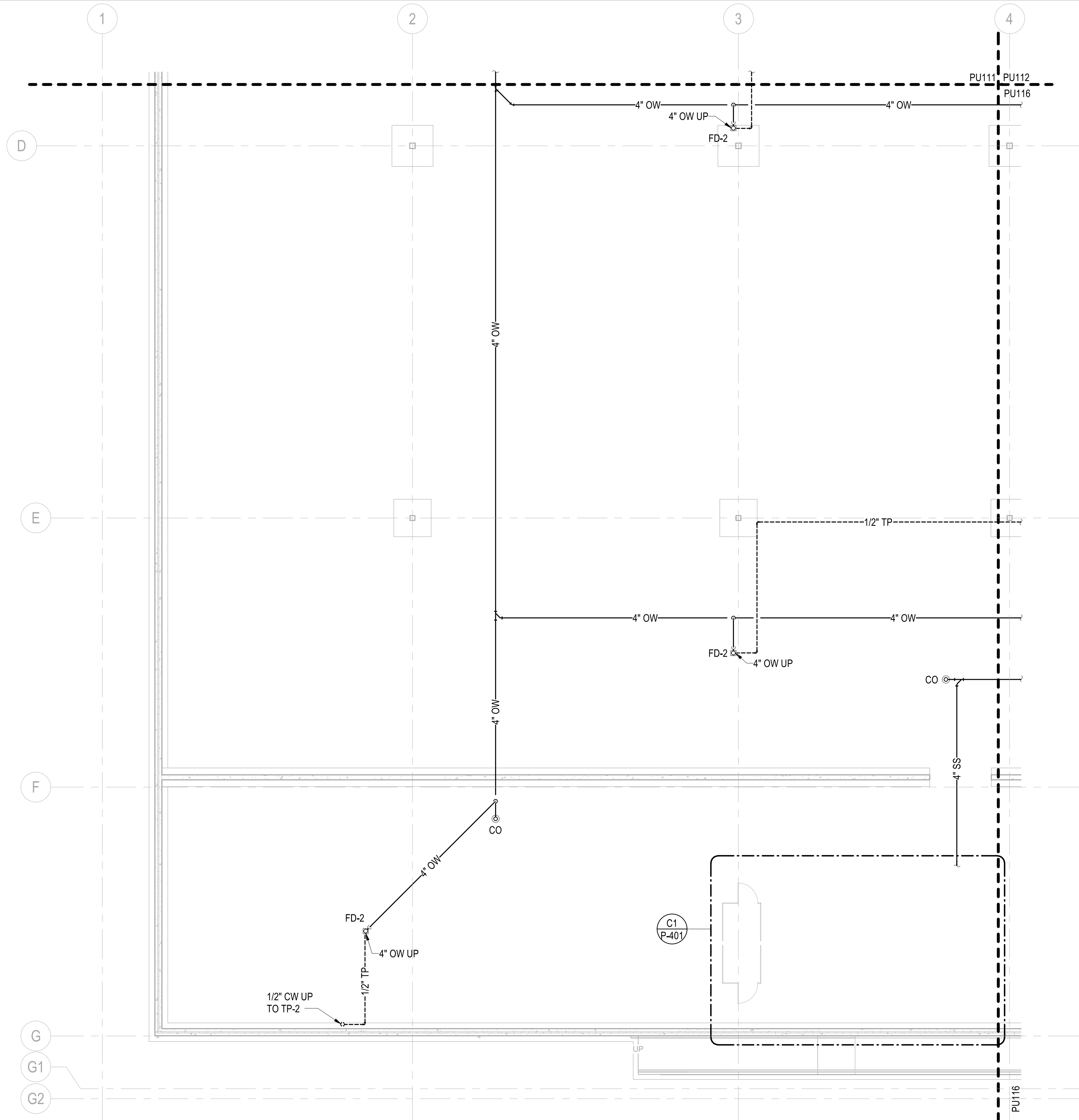
5

D

C

B

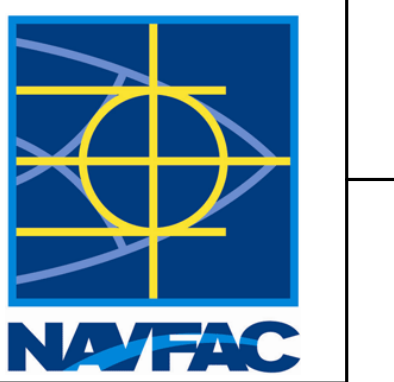
A



GENERAL NOTES

- 1 SEE P-001 FOR GENERAL NOTES, ABBREVIATIONS & SYMBOLS.
- 2 REFER TO STRUCTURAL DRAWINGS FOR THE EXACT SIZE, LOCATION, AND ELEVATION OF FOUNDATIONS, FOOTINGS AND GRADE BEAMS.
- 3 REFER TO STRUCTURAL DRAWINGS FOR DETAILS OF PIPE CROSSINGS UNDER OR THROUGH THE STRUCTURAL FOUNDATIONS, FOOTINGS AND GRADE BEAMS.
- 4 ALL UNDERFLOOR SANITARY SEWERS SHALL BE INSTALLED AT A MINIMUM SLOPE OF 1/8"1'-0", UNLESS NOTED OTHERWISE.
- 5 UNDERFLOOR VENTS SHALL CONNECT ABOVE CENTERLINE OF WASTE / SANITARY PIPE & SHALL RISE CONTINUOUSLY THROUGH FLOOR A MINIMUM 6" ABOVE FLOOD LEVEL OF FIXTURE. PROVIDE 45° CONNECTION TO WASTE / SANITARY LINE.
- 6 UNDERFLOOR SANITARY SEWER PIPING SHALL BE A MINIMUM OF 4" UNLESS NOTED OTHERWISE.
- 7 REFER TO P-700 SERIES FOR RISER DIAGRAMS.
- 8 SEE CIVIL DWGS FOR ACTUAL FINISHED FLOOR ELEVATION. TOP OF SLAB EQUALS FINISHED FLOOR ELEVATION AND MUST SERVE AS THE REFERENCE ELEVATION 0.0'.

SYMBOL	DESCRIPTION	DATE	APPROVED



**PRELIMINARY**  
NOT FOR CONSTRUCTION



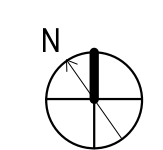
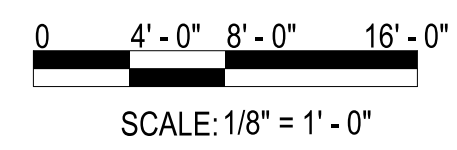
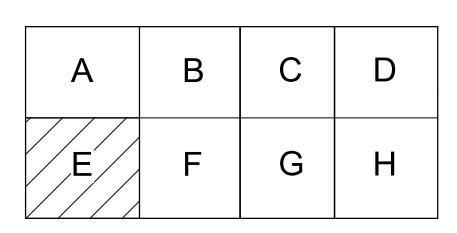
**Michael Baker INTERNATIONAL**  
100 AIRSIDE DRIVE  
MOON TOWNSHIP, PA 15108

FOR COMMANDER NAVFAC  
ACTIVITY  
MARINE CORPS BASE  
CAMP LEJEUNE  
SATISFACTORY TO DATE DD/MM/YY  
DES SKH DRW JTP CHK DWH  
PM  
BRANCH HEAD  
DESIGN DIRECTOR  
FIRE PROTECTION

DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND  
ATLANTIC DESIGN AND CONSTRUCTION  
NAVFAC JACKSONVILLE, NC  
LOGCOM CSP WAREHOUSE  
PLUMBING - UNDERGROUND PLAN - AREA E

SCALE: AS NOTED  
EPROJECT NO.: 1639600  
CONSTR. CONTR. NO. N40085-20-C-0059  
NAVFAC DRAWING NO.  
SHEET OF  
**PU115**

KEYPLAN



**PLUMBING - UNDERGROUND PLAN - AREA E**  
SCALE: 1/8" = 1'-0"

1

2

3

4

5

1

2

3

4

5

D

C

B

A

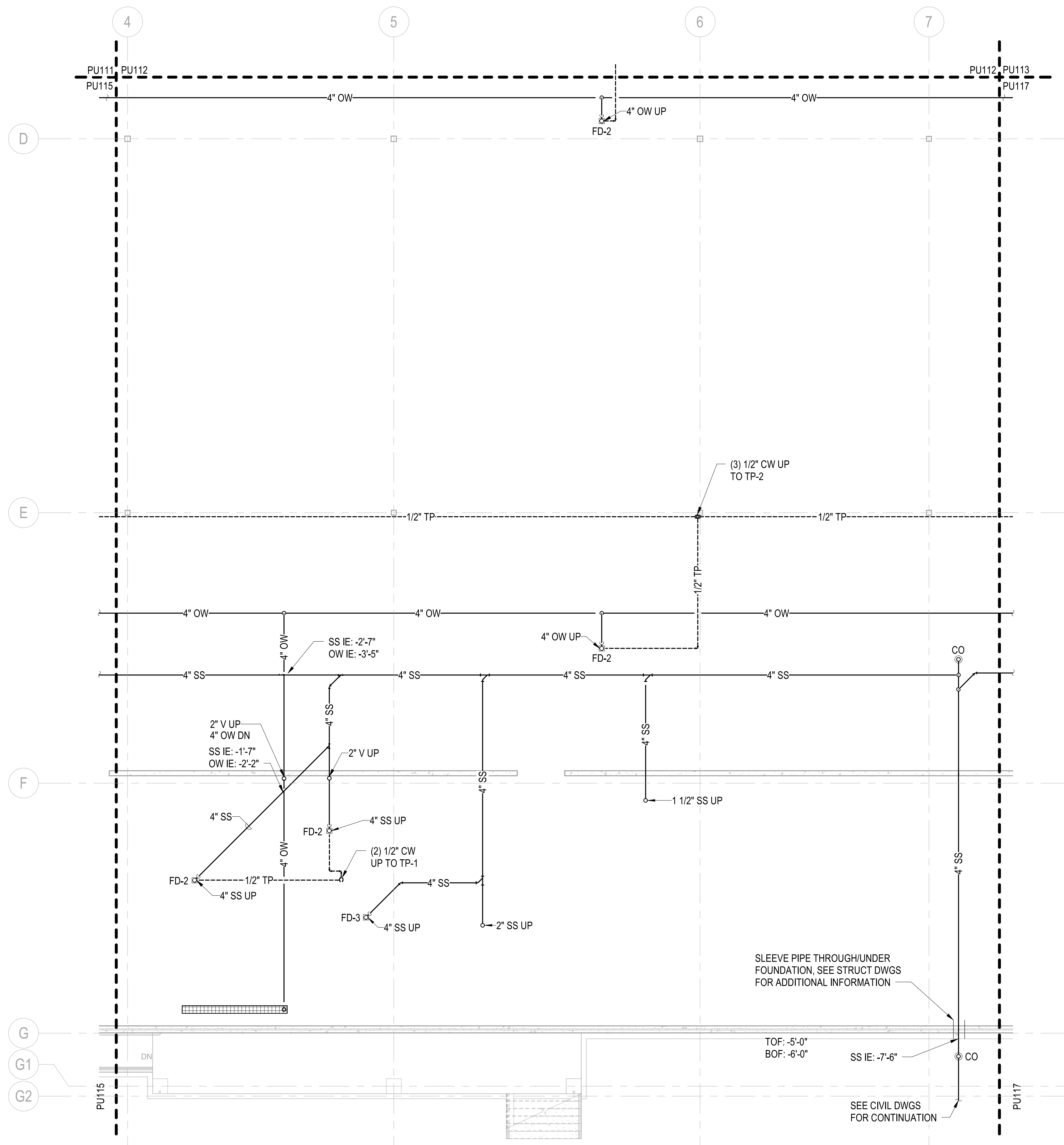
D

C

B

A

FILE NAME: BIM 360/HF PACKAGE 3P1527.LOG.COM.CSP-1639600.P1  
PLOTTED: 8/22/2021 5:08:49 PM



**PLUMBING - UNDERGROUND PLAN - AREA F**  
SCALE: 1/8" = 1'-0"

**GENERAL NOTES**

- 1 SEE P-001 FOR GENERAL NOTES, ABBREVIATIONS & SYMBOLS.
- 2 REFER TO STRUCTURAL DRAWINGS FOR THE EXACT SIZE, LOCATION, AND ELEVATION OF FOUNDATIONS, FOOTINGS AND GRADE BEAMS.
- 3 REFER TO STRUCTURAL DRAWINGS FOR DETAILS OF PIPE CROSSINGS UNDER OR THROUGH THE STRUCTURAL FOUNDATIONS, FOOTINGS AND GRADE BEAMS.
- 4 ALL UNDERFLOOR SANITARY SEWERS SHALL BE INSTALLED AT A MINIMUM SLOPE OF 1/8"1'-0", UNLESS NOTED OTHERWISE.
- 5 UNDERFLOOR VENTS SHALL CONNECT ABOVE CENTERLINE OF WASTE / SANITARY PIPE & SHALL RISE CONTINUOUSLY THROUGH FLOOR A MINIMUM 6" ABOVE FLOOD LEVEL OF FIXTURE. PROVIDE 45° CONNECTION TO WASTE / SANITARY LINE.
- 6 UNDERFLOOR SANITARY SEWER PIPING SHALL BE A MINIMUM OF 4" UNLESS NOTED OTHERWISE.
- 7 REFER TO P-700 SERIES FOR RISER DIAGRAMS.
- 8 SEE CIVIL DWGS FOR ACTUAL FINISHED FLOOR ELEVATION. TOP OF SLAB EQUALS FINISHED FLOOR ELEVATION AND MUST SERVE AS THE REFERENCE ELEVATION 0.0'.



**PRELIMINARY**  
NOT FOR CONSTRUCTION



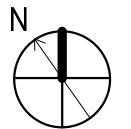
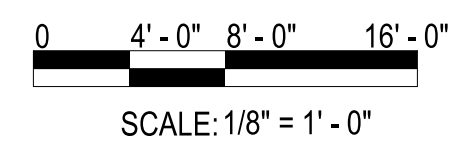
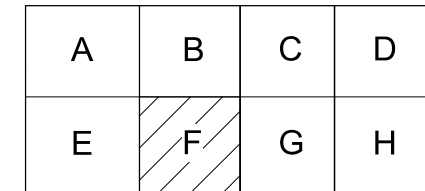
**Michael Baker INTERNATIONAL**  
100 AIRSIDE DRIVE  
MOON TOWNSHIP, PA 15108  
APPROVED

FOR COMMANDER NAVFAC  
ACTIVITY  
MARINE CORPS BASE  
CAMP LEJEUNE  
SATISFACTORY TO DATE DD/MM/YY  
DES SKH | DRW JTP | CHK DWH  
PM  
BRANCH HEAD  
DESIGN DIRECTOR  
FIRE PROTECTION

DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND  
ATLANTIC DESIGN AND CONSTRUCTION  
NAVFAC DESIGN AND CONSTRUCTION  
NAVFAC JACKSONVILLE  
JACKSONVILLE, NC  
LOGCOM CSP WAREHOUSE  
PLUMBING - UNDERGROUND PLAN - AREA F

SCALE: AS NOTED  
PROJECT NO.: 1639600  
CONSTR. CONTR. NO.: N40085-20-C-0059  
NAVFAC DRAWING NO.:  
SHEET OF  
**PU116**

**KEYPLAN**



P1527 PRELIMINARY SUBMISSION - 08/06/2021

UNCLASSIFIED



1

2

3

4

5

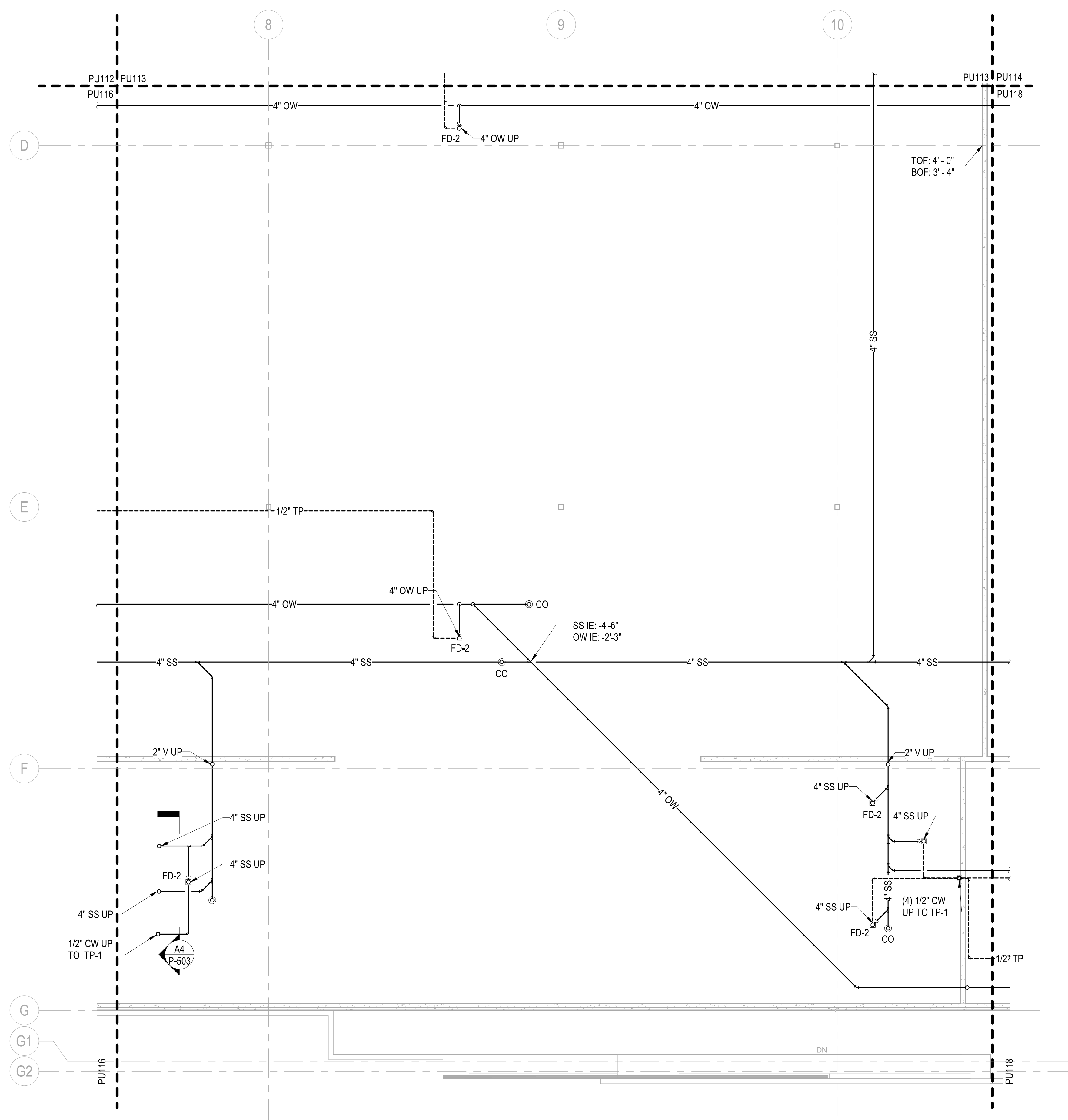
D

C

B

A

FILE NAME: BIM 360/HF PACKAGE 3P1527.LOG.COM.CSP-1639600.P1  
PLOTTED: 8/2/2021 5:08:51 PM



**PLUMBING - UNDERGROUND PLAN - AREA G**  
SCALE: 1/8" = 1'-0"

**GENERAL NOTES**

- 1 SEE P-001 FOR GENERAL NOTES, ABBREVIATIONS & SYMBOLS.
- 2 REFER TO STRUCTURAL DRAWINGS FOR THE EXACT SIZE, LOCATION, AND ELEVATION OF FOUNDATIONS, FOOTINGS AND GRADE BEAMS.
- 3 REFER TO STRUCTURAL DRAWINGS FOR DETAILS OF PIPE CROSSINGS UNDER OR THROUGH THE STRUCTURAL FOUNDATIONS, FOOTINGS AND GRADE BEAMS.
- 4 ALL UNDERFLOOR SANITARY SEWERS SHALL BE INSTALLED AT A MINIMUM SLOPE OF 1/8"1'-0", UNLESS NOTED OTHERWISE.
- 5 UNDERFLOOR VENTS SHALL CONNECT ABOVE CENTERLINE OF WASTE / SANITARY PIPE & SHALL RISE CONTINUOUSLY THROUGH FLOOR A MINIMUM 6" ABOVE FLOOD LEVEL OF FIXTURE. PROVIDE 45° CONNECTION TO WASTE / SANITARY LINE.
- 6 UNDERFLOOR SANITARY SEWER PIPING SHALL BE A MINIMUM OF 4" UNLESS NOTED OTHERWISE.
- 7 REFER TO P-700 SERIES FOR RISER DIAGRAMS.
- 8 SEE CIVIL DWGS FOR ACTUAL FINISHED FLOOR ELEVATION. TOP OF SLAB EQUALS FINISHED FLOOR ELEVATION AND MUST SERVE AS THE REFERENCE ELEVATION 0.0'.

SYMBOL	DESCRIPTION	DATE	APPROVED



**PRELIMINARY**  
NOT FOR CONSTRUCTION



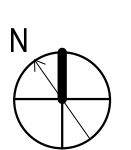
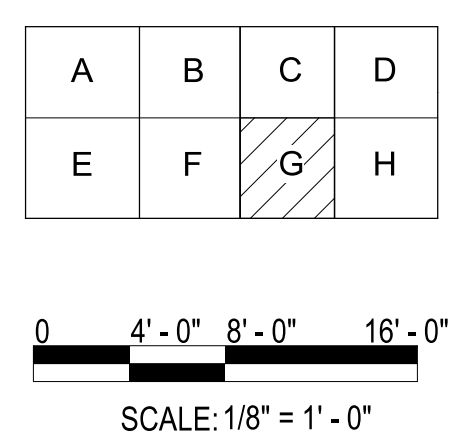
**Michael Baker INTERNATIONAL**  
100 AIRSIDE DRIVE  
MOON TOWNSHIP, PA 15108

FOR COMMANDER NAVFAC  
ACTIVITY  
MARINE CORPS BASE  
CAMP LEJEUNE  
SATISFACTORY TO DATE DD/MM/YY  
DES SKH | DRW JTP | CHK DWH  
PM  
BRANCH HEAD  
DESIGN DIRECTOR  
FIRE PROTECTION

DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND  
ATLANTIC DESIGN AND CONSTRUCTION  
NAVFAC JACKSONVILLE, NC  
NAVFAC JACKSONVILLE, NC  
LOGCOM CSP WAREHOUSE  
PLUMBING - UNDERGROUND PLAN - AREA G

**KEYPLAN**

A	B	C	D
E	F	G	H



SCALE: AS NOTED  
PROJECT NO.: 1639600  
CONSTR. CONTR. NO.: N40085-20-C-0059  
NAVFAC DRAWING NO.:  
SHEET OF  
**PU117**

P1527 PRELIM SUBMISSION - 08/06/2021

1

2

3

4

5

D

C

B

A

D

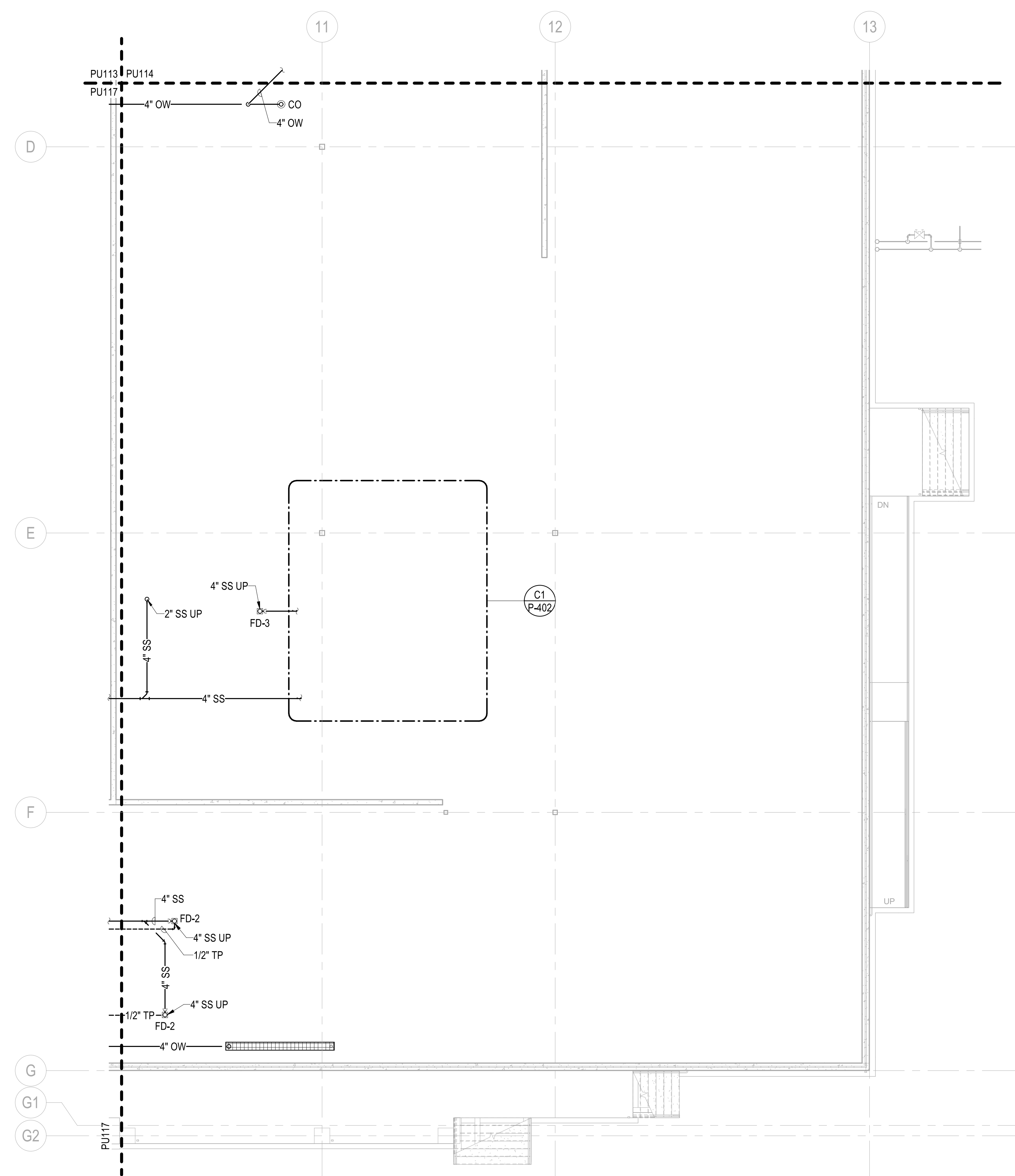
C

B

A

FILE NAME: BIM 360/HF PACKAGE 3P1527.LOG.COM.CSP-1639600.P1  
PLOTTED: 8/2/2021 5:08:52 PM

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ATLANTIC  
ATLANTIC DESIGN AND CONSTRUCTION  
MCB CAMP LEJEUNE  
JACKSONVILLE, NC



**PLUMBING - UNDERGROUND PLAN - AREA H**  
SCALE: 1/8" = 1'-0"

**GENERAL NOTES**

- 1 SEE P-001 FOR GENERAL NOTES, ABBREVIATIONS & SYMBOLS.
- 2 REFER TO STRUCTURAL DRAWINGS FOR THE EXACT SIZE, LOCATION, AND ELEVATION OF FOUNDATIONS, FOOTINGS AND GRADE BEAMS.
- 3 REFER TO STRUCTURAL DRAWINGS FOR DETAILS OF PIPE CROSSINGS UNDER OR THROUGH THE STRUCTURAL FOUNDATIONS, FOOTINGS AND GRADE BEAMS.
- 4 ALL UNDERFLOOR SANITARY SEWERS SHALL BE INSTALLED AT A MINIMUM SLOPE OF 1/8"1'-0", UNLESS NOTED OTHERWISE.
- 5 UNDERFLOOR VENTS SHALL CONNECT ABOVE CENTERLINE OF WASTE / SANITARY PIPE & SHALL RISE CONTINUOUSLY THROUGH FLOOR A MINIMUM 6" ABOVE FLOOD LEVEL OF FIXTURE. PROVIDE 45° CONNECTION TO WASTE / SANITARY LINE.
- 6 UNDERFLOOR SANITARY SEWER PIPING SHALL BE A MINIMUM OF 4" UNLESS NOTED OTHERWISE.
- 7 REFER TO P-700 SERIES FOR RISER DIAGRAMS.
- 8 SEE CIVIL DWGS FOR ACTUAL FINISHED FLOOR ELEVATION. TOP OF SLAB EQUALS FINISHED FLOOR ELEVATION AND MUST SERVE AS THE REFERENCE ELEVATION 0.0'.



**PRELIMINARY**  
NOT FOR CONSTRUCTION



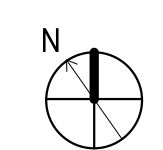
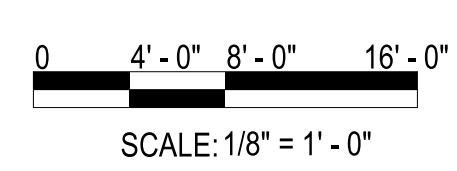
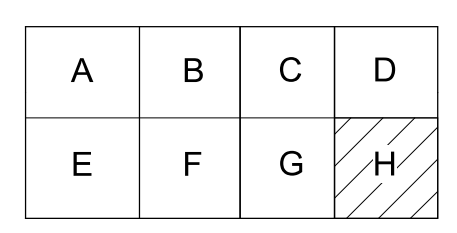
**Michael Baker INTERNATIONAL**  
100 AIRSIDE DRIVE  
MOON TOWNSHIP, PA 15108  
APPROVED

FOR COMMANDER NAVFAC  
ACTIVITY  
MARINE CORPS BASE  
CAMP LEJEUNE  
SATISFACTORY TO DATE DD/MM/YY  
DES SKH | DRW JTP | CHK DWH  
PM  
BRANCH HEAD  
DESIGN DIRECTOR  
FIRE PROTECTION

DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND  
ATLANTIC DESIGN AND CONSTRUCTION  
MCB CAMP LEJEUNE  
JACKSONVILLE, NC  
LOGCOM CSP WAREHOUSE  
PLUMBING - UNDERGROUND PLAN - AREA H

SCALE: AS NOTED  
EPROJCT NO.: 1639600  
CONSTR. CONTR. NO. N40085-20-C-0059  
NAVFAC DRAWING NO.  
SHEET OF  
**PU118**

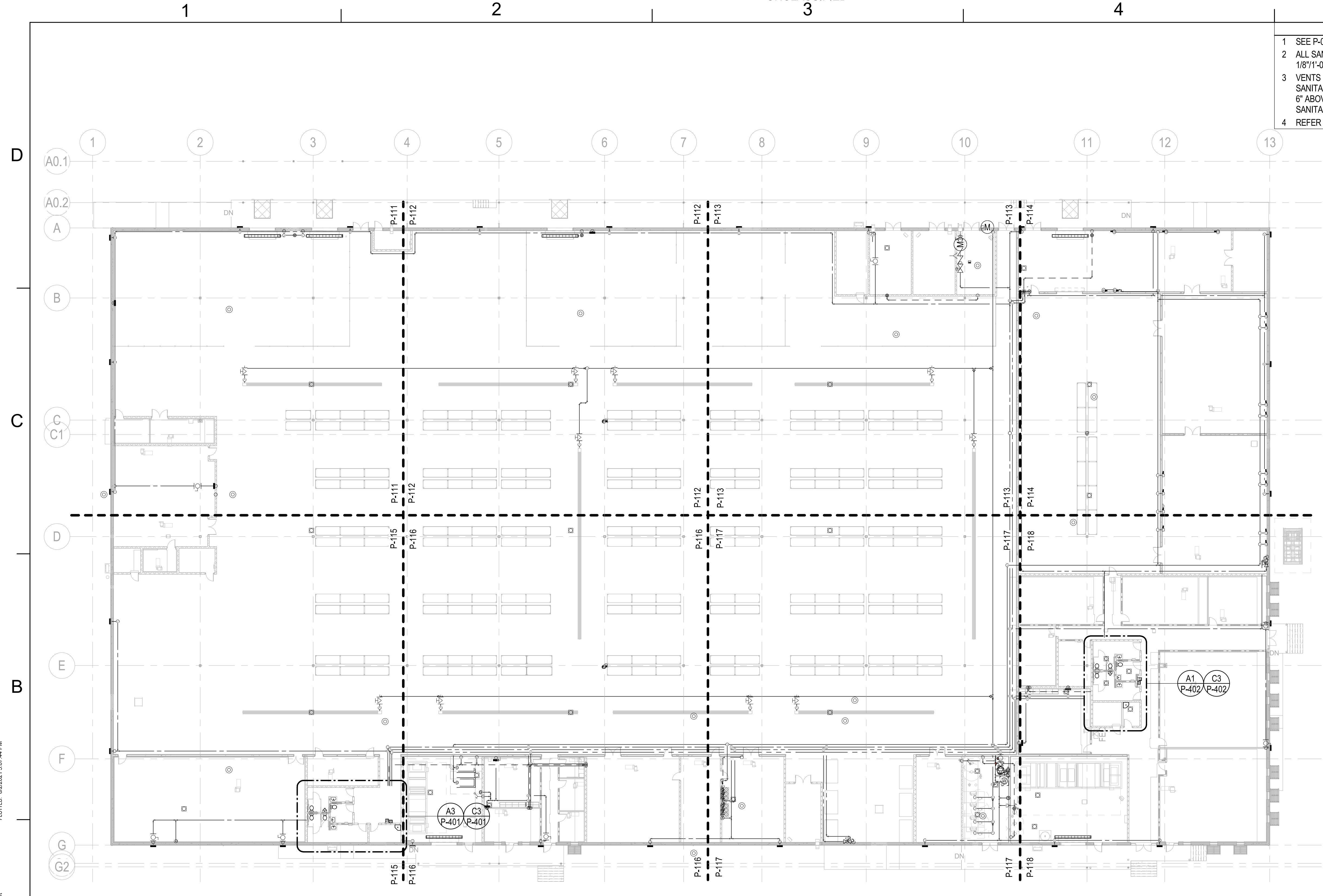
**KEYPLAN**



P1527 PRELIMINARY SUBMISSION - 08/06/2021

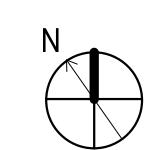
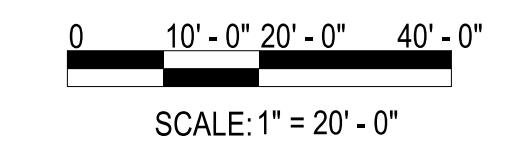
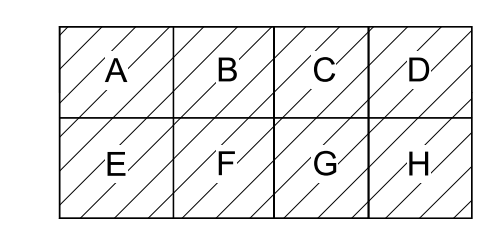
GENERAL NOTES



- 1 SEE P-001 FOR GENERAL NOTES, ABBREVIATIONS & SYMBOLS.
- 2 ALL SANITARY SEWERS SHALL BE INSTALLED AT A MINIMUM SLOPE OF 1/8" / 1'-0", UNLESS NOTED OTHERWISE.
- 3 VENTS SHALL CONNECT ABOVE CENTERLINE OF HORIZONTAL WASTE / SANITARY PIPE & SHALL RISE CONTINUOUSLY THROUGH FLOOR A MINIMUM 6" ABOVE FLOOD LEVEL OF FIXTURE. PROVIDE 45° CONNECTION TO WASTE / SANITARY LINE.
- 4 REFER TO P-700 SERIES FOR RISER DIAGRAMS.



**PLUMBING - 1ST FLOOR PLAN - OVERALL**  
 SCALE: 1" = 20'-0"

KEYPLAN



APPROVED	DATE	APPR
DESCRIPTION	DATE	APPR
SYMBOL	DESCRIPTION	SYMBOL
 <b>PRELIMINARY</b> NOT FOR CONSTRUCTION		
 <b>Michael Baker INTERNATIONAL</b> 100 AIRSIDE DRIVE MOON TOWNSHIP, PA 15108 APPROVED		
FOR COMMANDER NAVFAC		
ACTIVITY		
MARINE CORPS BASE CAMP LEJEUNE		
SATISFACTORY TO DATE DD/MM/YY		
DES SKH	DRW JTP	CHK DWH
PM		
BRANCH HEAD		
DESIGN DIRECTOR		
FIRE PROTECTION		
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ATLANTIC ATLANTIC DESIGN AND CONSTRUCTION MCB CAMP LEJEUNE JACKSONVILLE, NC		
LOGCOM CSP WAREHOUSE		
PLUMBING - 1ST FLOOR PLAN - OVERALL		
SCALE: AS NOTED EPROJCT NO.: 1639600 CONSTR. CONTR. NO. N40085-20-C-0059 NAVFAC DRAWING NO. SHEET OF		
<b>P-110</b>		

PLOTTED: 8/2/2021 5:07:44 PM

FILE NAME: BIM 360/HF PACKAGE 3P1527.LOG.COM.CSP-1639600.P1

UNCLASSIFIED

P1527 PREFINAL SUBMISSION - 08/06/2021

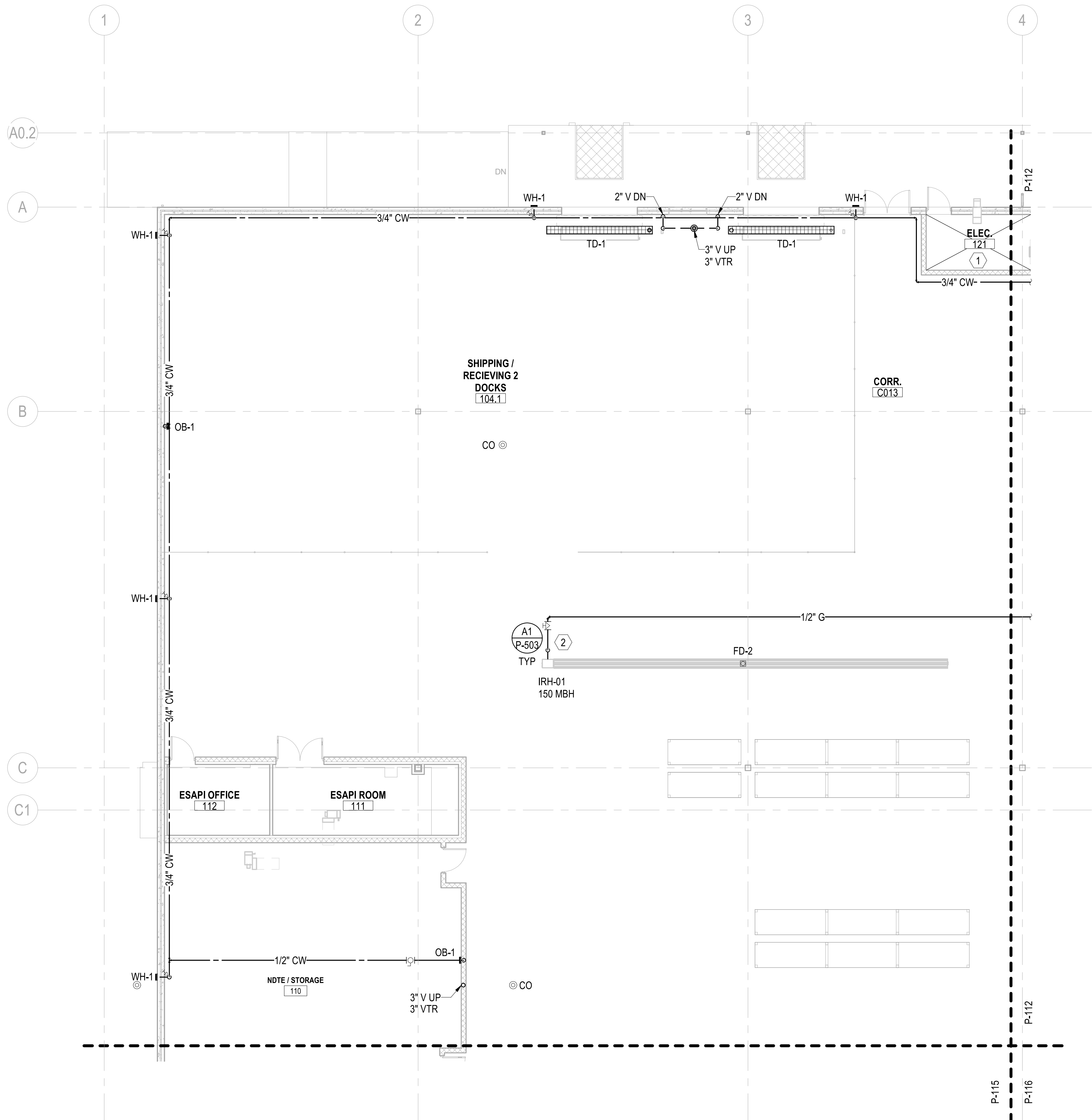
1

2

3

4

5



PLUMBING - 1ST FLOOR PLAN - AREA A

SCALE: 1/8" = 1'-0"

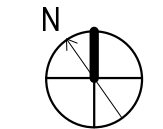
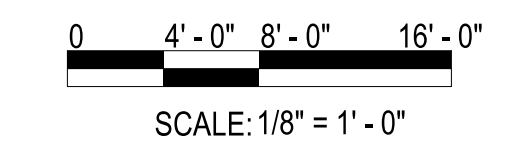
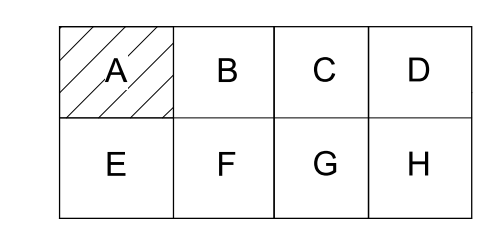
GENERAL NOTES

- 1 SEE P-001 FOR GENERAL NOTES, ABBREVIATIONS & SYMBOLS.
- 2 ALL SANITARY SEWERS SHALL BE INSTALLED AT A MINIMUM SLOPE OF 1/8" / 1'-0", UNLESS NOTED OTHERWISE.
- 3 VENTS SHALL CONNECT ABOVE CENTERLINE OF HORIZONTAL WASTE / SANITARY PIPE & SHALL RISE CONTINUOUSLY THROUGH FLOOR A MINIMUM 6" ABOVE FLOOD LEVEL OF FIXTURE. PROVIDE 45° CONNECTION TO WASTE / SANITARY LINE.
- 4 REFER TO P-700 SERIES FOR RISER DIAGRAMS.

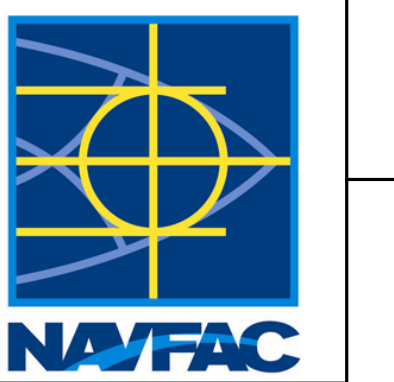
KEYNOTES

- 1 THERE MUST NOT BE ANY PIPING THAT DOES NOT SERVE THIS SPACE INSTALLED ABOVE OR WITHIN THIS SPACE.
- 2 CONNECT TO EQUIPMENT PROVIDED BY M.C.

KEYPLAN



SYMBOL	DESCRIPTION	DATE	APPROVED



**PRELIMINARY**  
NOT FOR CONSTRUCTION



**Michael Baker INTERNATIONAL**  
100 AIRSIDE DRIVE  
MOON TOWNSHIP, PA 15108

FOR COMMANDER NAVFAC  
ACTIVITY  
MARINE CORPS BASE  
CAMP LEJEUNE  
SATISFACTORY TO DATE DD/MM/YY  
DES SKH | DRW JTP | CHK DWH  
PM  
BRANCH HEAD  
DESIGN DIRECTOR  
FIRE PROTECTION

DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND  
ATLANTIC DESIGN AND CONSTRUCTION  
NAVFAC JACKSONVILLE, NC  
MBC CAMP LEJEUNE  
JACKSONVILLE, NC  
LOGCOM CSP WAREHOUSE  
PLUMBING - 1ST FLOOR PLAN - AREA A

SCALE: AS NOTED  
PROJECT NO.: 1639600  
CONSTR. CONTR. NO.: N40085-20-C-0059  
NAVFAC DRAWING NO.  
SHEET OF  
**P-111**

FILE NAME: BIM 360/HF PACKAGE 3/P1127.LOG.COM.CSP-1639600.P1

PLOTTED: 8/2/2021 5:07:46 PM

P1527 PRELIM SUBMISSION - 08/06/2021

UNCLASSIFIED

1

2

3

4

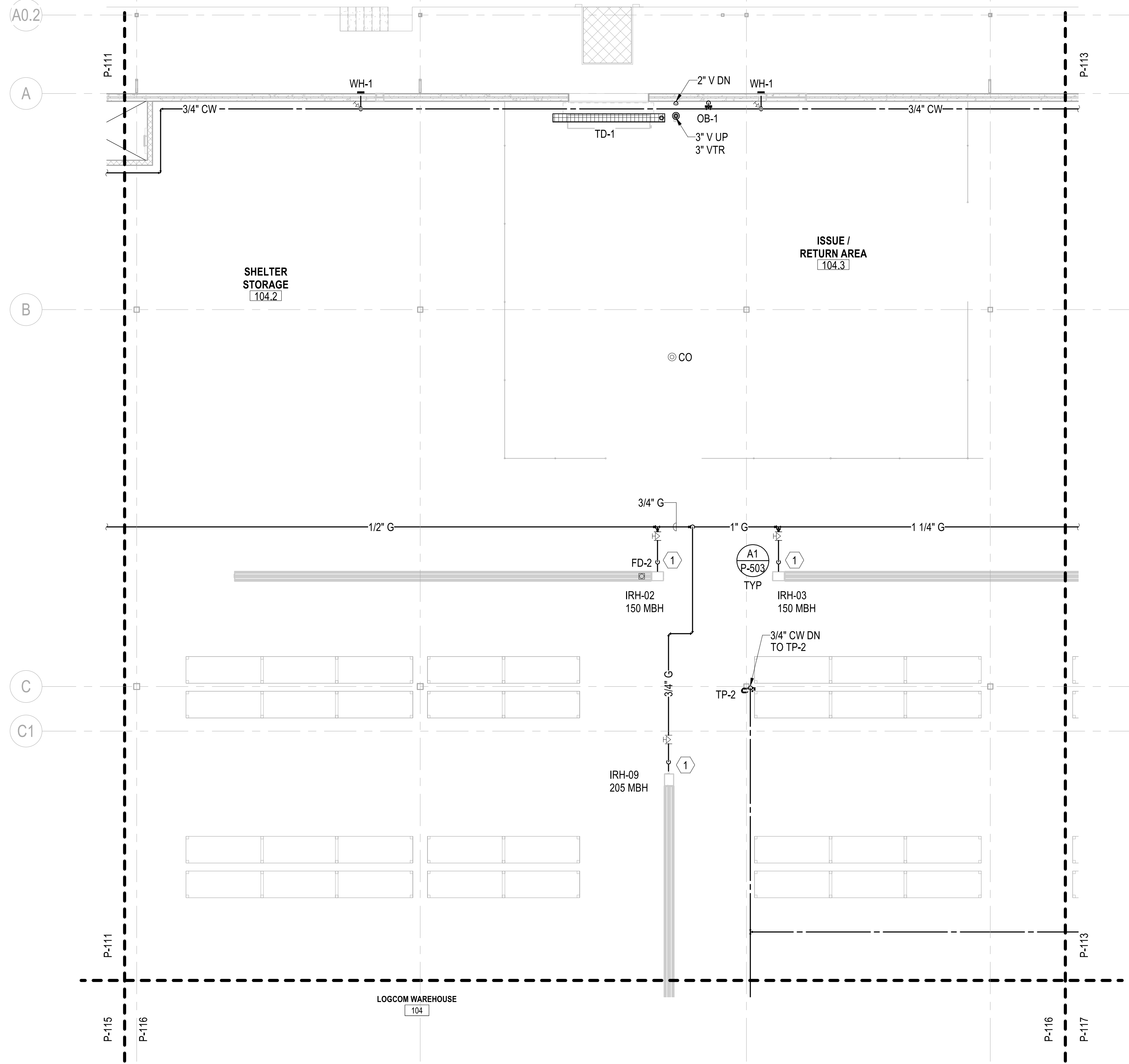
5

D

C

B

A



**PLUMBING - 1ST FLOOR PLAN - AREA B**  
 SCALE: 1/8" = 1'-0"

**GENERAL NOTES**

- SEE P-001 FOR GENERAL NOTES, ABBREVIATIONS & SYMBOLS.
- ALL SANITARY SEWERS SHALL BE INSTALLED AT A MINIMUM SLOPE OF 1/8"/1'-0", UNLESS NOTED OTHERWISE.
- VENTS SHALL CONNECT ABOVE CENTERLINE OF HORIZONTAL WASTE / SANITARY PIPE & SHALL RISE CONTINUOUSLY THROUGH FLOOR A MINIMUM 6" ABOVE FLOOD LEVEL OF FIXTURE. PROVIDE 45° CONNECTION TO WASTE / SANITARY LINE.
- REFER TO P-700 SERIES FOR RISER DIAGRAMS.

**KEYNOTES**

- CONNECT TO EQUIPMENT PROVIDED BY M.C.

SYMBOL	DESCRIPTION	DATE	APPROVED



**PRELIMINARY**  
 NOT FOR CONSTRUCTION



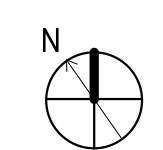
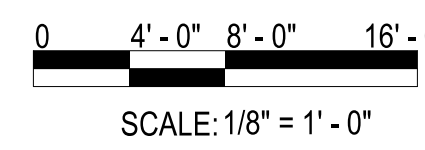
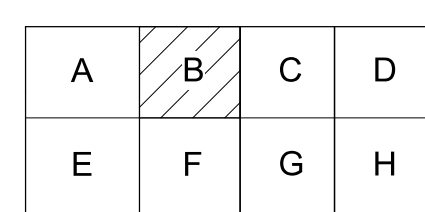
**Michael Baker INTERNATIONAL**  
 100 AIRSIDE DRIVE  
 MOON TOWNSHIP, PA 15108

FOR COMMANDER NAVFAC  
 ACTIVITY  
 MARINE CORPS BASE  
 CAMP LEJEUNE  
 SATISFACTORY TO DATE DD/MM/YY  
 DES SKH DRW JTP CHK DWH  
 PM  
 BRANCH HEAD  
 DESIGN DIRECTOR  
 FIRE PROTECTION

DEPARTMENT OF THE NAVY  
 NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND  
 NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ATLANTIC  
 ATLANTIC DESIGN AND CONSTRUCTION  
 MCB CAMP LEJEUNE  
 JACKSONVILLE, NC  
 LOGCOM CSP WAREHOUSE  
 PLUMBING - 1ST FLOOR PLAN - AREA B

SCALE: AS NOTED  
 EPROJECT NO.: 1639600  
 CONSTR. CONTR. NO.: N40085-20-C-0059  
 NAVFAC DRAWING NO.  
 SHEET OF  
**P-112**

**KEYPLAN**



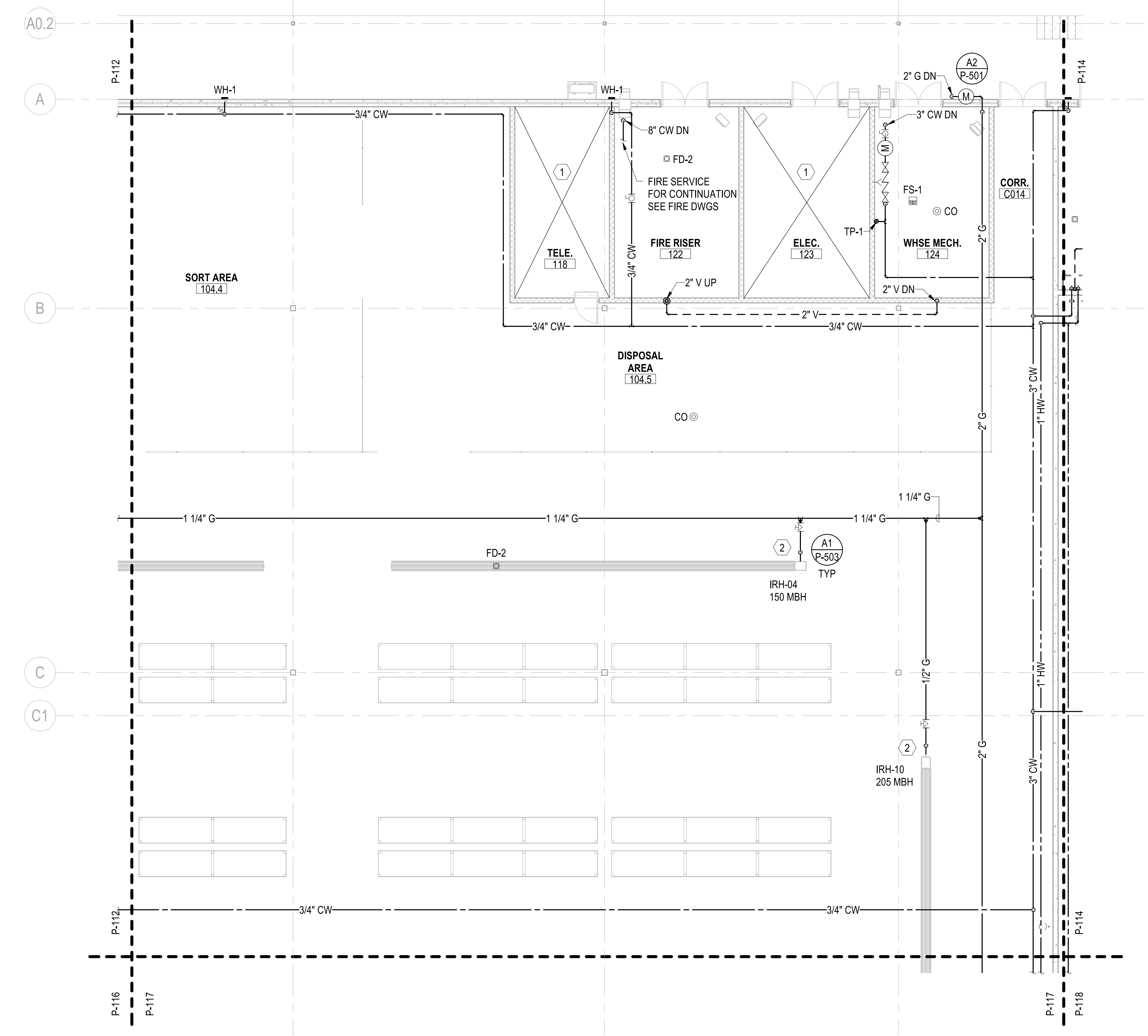
FILE NAME: BIM 360/HF PACKAGE 3P11527 LOG COM CSP-1639600.PLT

PLOTTED: 8/2/2021 5:07:49 PM

P1527 PRELIM SUBMISSION - 08/06/2021

UNCLASSIFIED

1 8 2 9 3 10 4



**PLUMBING - 1ST FLOOR PLAN - AREA C**  
 SCALE: 1/8" = 1'-0"

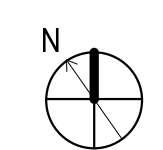
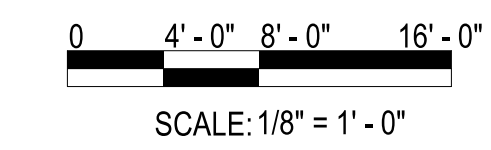
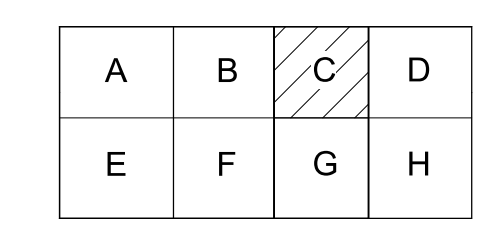
**GENERAL NOTES**



- SEE P-001 FOR GENERAL NOTES, ABBREVIATIONS & SYMBOLS.
- ALL SANITARY SEWERS SHALL BE INSTALLED AT A MINIMUM SLOPE OF 1/8"/1'-0", UNLESS NOTED OTHERWISE.
- VENTS SHALL CONNECT ABOVE CENTERLINE OF HORIZONTAL WASTE / SANITARY PIPE & SHALL RISE CONTINUOUSLY THROUGH FLOOR A MINIMUM 6" ABOVE FLOOD LEVEL OF FIXTURE. PROVIDE 45° CONNECTION TO WASTE / SANITARY LINE.
- REFER TO P-700 SERIES FOR RISER DIAGRAMS.

**KEYNOTES**

- THERE MUST NOT BE ANY PIPING THAT DOES NOT SERVE THIS SPACE INSTALLED ABOVE OR WITHIN THIS SPACE.
- CONNECT TO EQUIPMENT PROVIDED BY M.C.

**KEYPLAN**



APPROVED	DATE	APPR
DESCRIPTION	DATE	APPR
SYMBOL	DESCRIPTION	SYMBOL
 <b>PRELIMINARY</b> NOT FOR CONSTRUCTION		
 <b>Michael Baker INTERNATIONAL</b> 100 AIRSIDE DRIVE MOON TOWNSHIP, PA 15108 APPROVED		
FOR COMMANDER NAVFAC		
ACTIVITY		
MARINE CORPS BASE CAMP LEJEUNE		
SATISFACTORY TO DATE DD/MM/YY		
DES SKH	DRW JTP	CHK DWH
PM		
BRANCH HEAD		
DESIGN DIRECTOR		
FIRE PROTECTION		
DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND	JACKSONVILLE, NC
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ATLANTIC	ATLANTIC DESIGN AND CONSTRUCTION	JACKSONVILLE, NC
MCB CAMP LEJEUNE	LOGCOM CSP WAREHOUSE	PLUMBING - 1ST FLOOR PLAN - AREA C
SCALE: AS NOTED	PROJECT NO.: 1639600	
CONSTR. CONTR. NO. N40085-20-C-0059	NAVFAC DRAWING NO.	
SHEET	OF	
<b>P-113</b>		

FILE NAME: BIM 360/HF PACKAGE 3/P11327.LOG.COM.CSP-1639600.P1

PLOTTED: 8/2/2021 5:07:51 PM

P1527 PRELIM SUBMISSION - 08/06/2021

D

C

UNCLASSIFIED

B

A

1 2 3 4

1

2

3

4

5

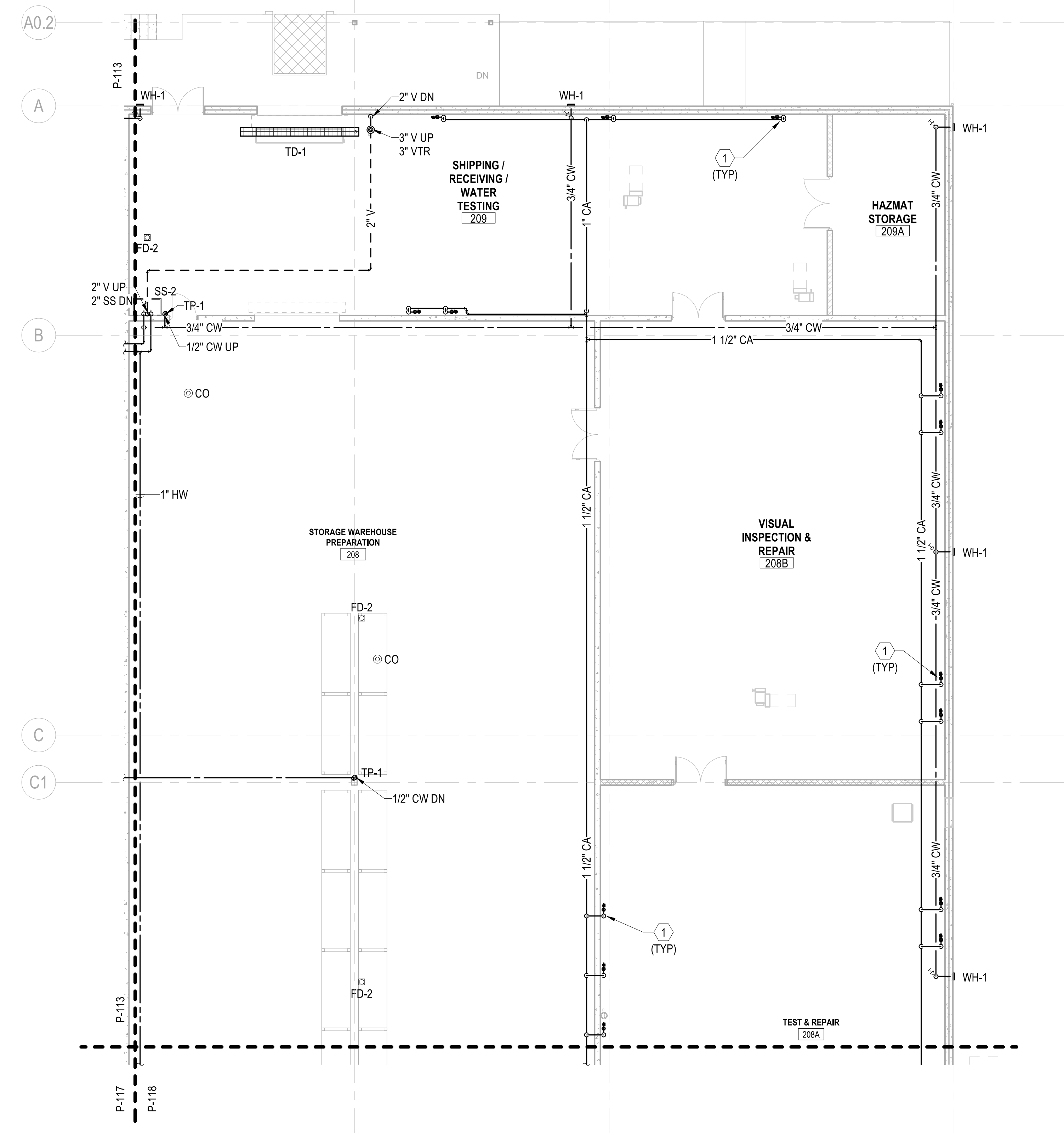
D

C

B

A

FILE NAME: BIM 360/HF PACKAGE 3P11527.LOG.COM.CSP-1639604.P41  
PLOTTED: 8/2/2021 5:07:54 PM



**PLUMBING - 1ST FLOOR PLAN - AREA D**  
SCALE: 1/8" = 1'-0"

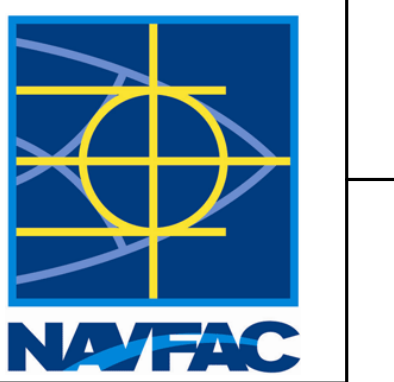
**GENERAL NOTES**

- SEE P-001 FOR GENERAL NOTES, ABBREVIATIONS & SYMBOLS.
- ALL SANITARY SEWERS SHALL BE INSTALLED AT A MINIMUM SLOPE OF 1/8" / 1'-0", UNLESS NOTED OTHERWISE.
- VENTS SHALL CONNECT ABOVE CENTERLINE OF HORIZONTAL WASTE / SANITARY PIPE & SHALL RISE CONTINUOUSLY THROUGH FLOOR A MINIMUM 6" ABOVE FLOOD LEVEL OF FIXTURE. PROVIDE 45° CONNECTION TO WASTE / SANITARY LINE.
- REFER TO P-700 SERIES FOR RISER DIAGRAMS.

**KEYNOTES**

- 1/2" CA DROP ALONG WALL. SEE DETAIL A3/P-502 FOR ADDITIONAL INFORMATION.

SYMBOL	DESCRIPTION	DATE	APPROVED



**PRELIMINARY**  
NOT FOR CONSTRUCTION



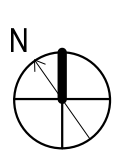
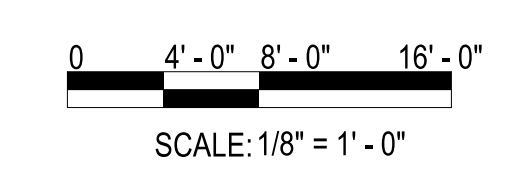
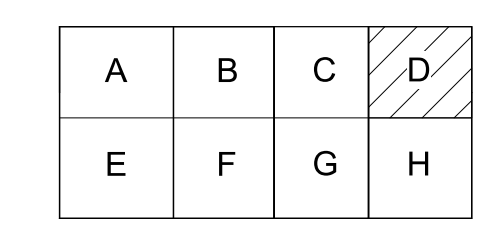
**Michael Baker INTERNATIONAL**  
100 AIRSIDE DRIVE  
MOON TOWNSHIP, PA 15108  
APPROVED

FOR COMMANDER NAVFAC  
ACTIVITY  
MARINE CORPS BASE  
CAMP LEJEUNE  
SATISFACTORY TO DATE DD/MM/YY  
DES SKH DRW JTP CHK DWH  
PM  
BRANCH HEAD  
DESIGN DIRECTOR  
FIRE PROTECTION

DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND  
ATLANTIC DESIGN AND CONSTRUCTION  
NAVFAC JACKSONVILLE, NC  
LOGCOM CSP WAREHOUSE  
PLUMBING - 1ST FLOOR PLAN - AREA D

SCALE: AS NOTED  
PROJECT NO.: 1639600  
CONSTR. CONTR. NO.: N40085-20-C-0059  
NAVFAC DRAWING NO.  
SHEET OF  
**P-114**

**KEYPLAN**



1

2

3

4

5

D

C

B

A

P1527 PRELIMINARY SUBMISSION - 08/06/2021

UNCLASSIFIED

1

2

3

4

5

D

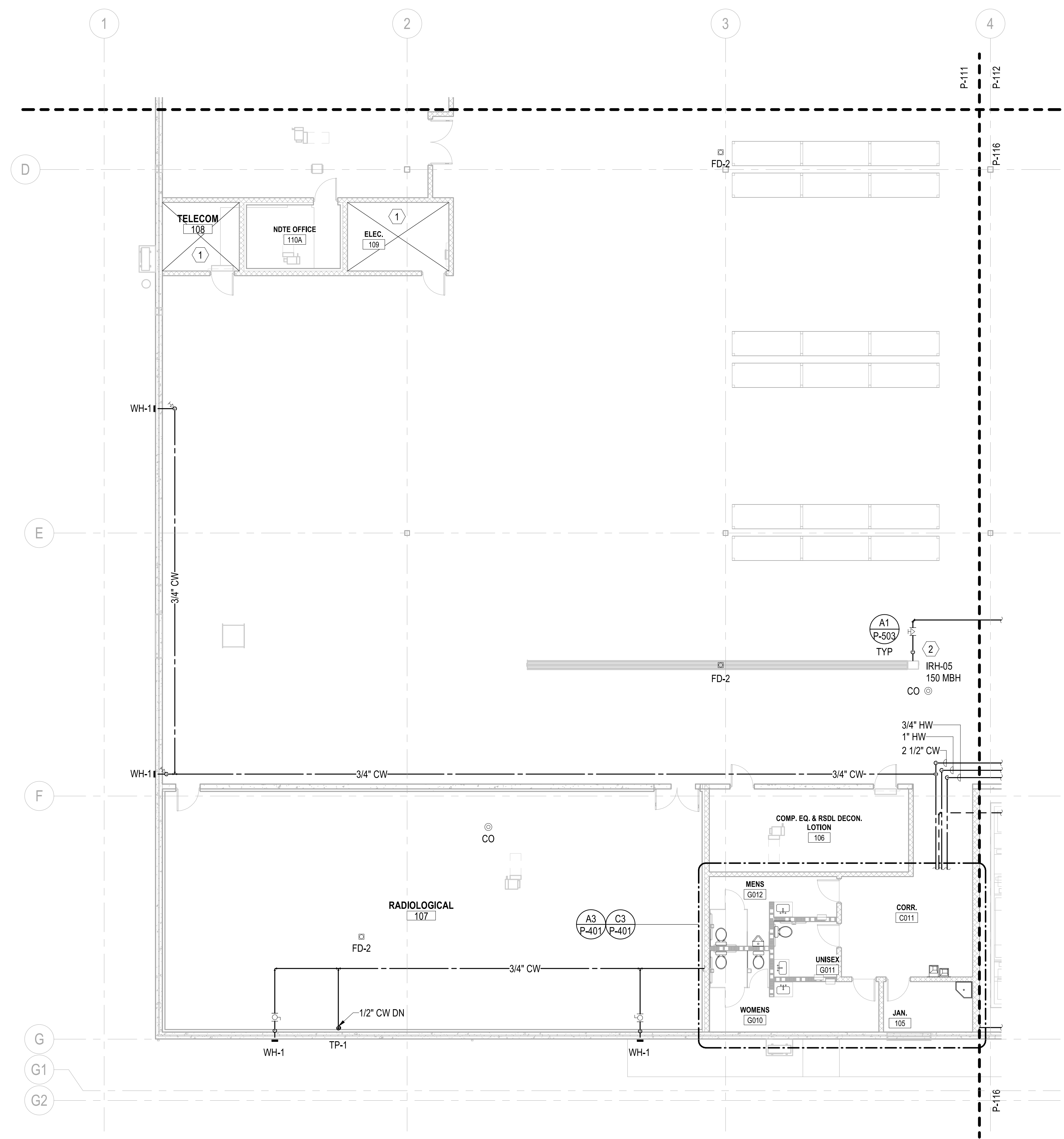
C

B

A

PLOTTED: 8/22/2021 5:07:56 PM

FILE NAME: BIM 360/HF PACKAGE 3P11527.LOG.COM.CSP-1639600.P1



**PLUMBING - 1ST FLOOR PLAN - AREA E**  
 SCALE: 1/8" = 1'-0"

**GENERAL NOTES**

- SEE P-001 FOR GENERAL NOTES, ABBREVIATIONS & SYMBOLS.
- ALL SANITARY SEWERS SHALL BE INSTALLED AT A MINIMUM SLOPE OF 1/8" / 1'-0", UNLESS NOTED OTHERWISE.
- VENTS SHALL CONNECT ABOVE CENTERLINE OF HORIZONTAL WASTE / SANITARY PIPE & SHALL RISE CONTINUOUSLY THROUGH FLOOR A MINIMUM 6" ABOVE FLOOD LEVEL OF FIXTURE. PROVIDE 45° CONNECTION TO WASTE / SANITARY LINE.
- REFER TO P-700 SERIES FOR RISER DIAGRAMS.

**KEYNOTES**

- THERE MUST NOT BE ANY PIPING THAT DOES NOT SERVE THIS SPACE INSTALLED ABOVE OR WITHIN THIS SPACE.
- CONNECT TO EQUIPMENT PROVIDED BY M.C.

SYMBOL	DESCRIPTION	DATE	APPROVED



**PRELIMINARY**  
 NOT FOR CONSTRUCTION



**Michael Baker INTERNATIONAL**  
 100 AIRSIDE DRIVE  
 MOON TOWNSHIP, PA 15108

FOR COMMANDER NAVFAC  
 ACTIVITY  
 MARINE CORPS BASE  
 CAMP LEJEUNE

SATISFACTORY TO DATE DD/MM/YY  
 DES SKH DRW JTP CHK DWH  
 PM  
 BRANCH HEAD  
 DESIGN DIRECTOR  
 FIRE PROTECTION

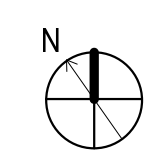
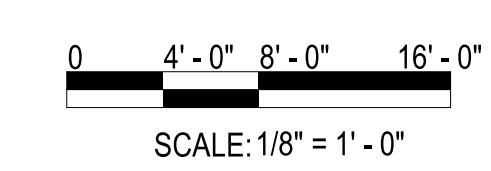
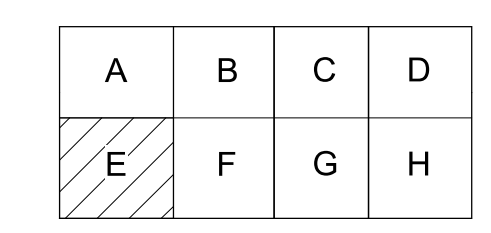
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND  
 ATLANTIC DESIGN AND CONSTRUCTION  
 JACKSONVILLE, NC

LOGCOM CSP WAREHOUSE  
 PLUMBING - 1ST FLOOR PLAN - AREA E

DEPARTMENT OF THE NAVY  
 NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND  
 ATLANTIC DESIGN AND CONSTRUCTION  
 MCB CAMP LEJEUNE

SCALE: AS NOTED  
 PROJECT NO.: 1639600  
 CONSTR. CONTR. NO.: N40085-20-C-0059  
 NAVFAC DRAWING NO.:  
 SHEET OF  
**P-115**

**KEYPLAN**



1

2

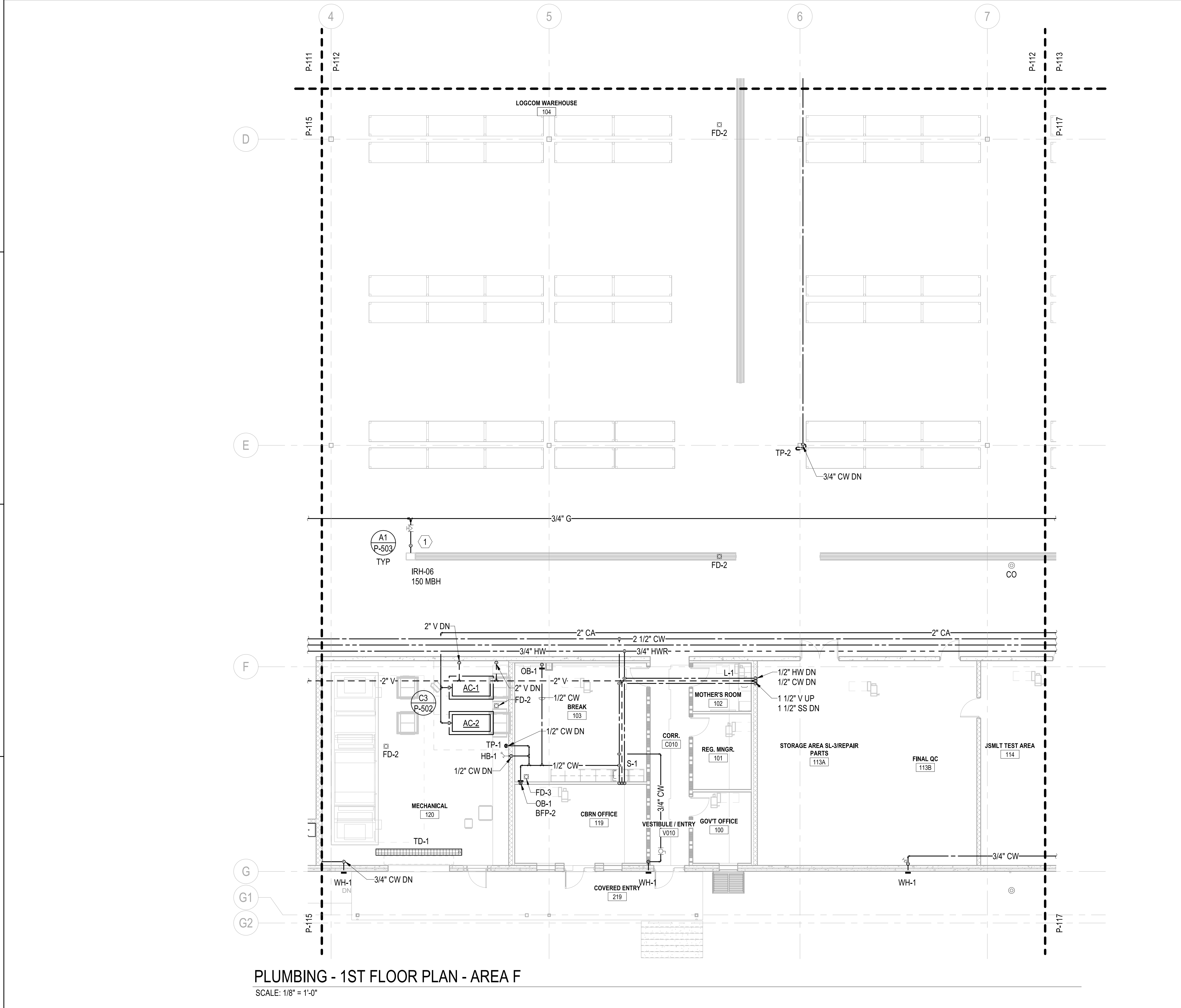
3

4

5



FILE NAME: BIM 360/HF PACKAGE 3/P1527 LOG COM CSP-1639604.P4  
PLOTTED: 8/2/2021 5:07:59 PM



**PLUMBING - 1ST FLOOR PLAN - AREA F**  
SCALE: 1/8" = 1'-0"

**GENERAL NOTES**

- SEE P-001 FOR GENERAL NOTES, ABBREVIATIONS & SYMBOLS.
- ALL SANITARY SEWERS SHALL BE INSTALLED AT A MINIMUM SLOPE OF 1/8" / 1'-0", UNLESS NOTED OTHERWISE.
- VENTS SHALL CONNECT ABOVE CENTERLINE OF HORIZONTAL WASTE / SANITARY PIPE & SHALL RISE CONTINUOUSLY THROUGH FLOOR A MINIMUM 6" ABOVE FLOOD LEVEL OF FIXTURE. PROVIDE 45° CONNECTION TO WASTE / SANITARY LINE.
- REFER TO P-700 SERIES FOR RISER DIAGRAMS.

**KEYNOTES**

- CONNECT TO EQUIPMENT PROVIDED BY M.C.


**KEYPLAN**

A	B	C	D
E	F	G	H


0 4'-0" 8'-0" 16'-0"  
SCALE: 1/8" = 1'-0"

N

APPR	DATE	DESCRIPTION	SYM



**PRELIMINARY**  
NOT FOR CONSTRUCTION



**Michael Baker INTERNATIONAL**  
100 AIRSIDE DRIVE  
MOON TOWNSHIP, PA 15108  
APPROVED

FOR COMMANDER NAVFAC

ACTIVITY  
MARINE CORPS BASE  
CAMP LEJEUNE

SATISFACTORY TO DATE DD/MM/YY  
DES SKH | DRW JTP | CHK DWH

PM  
BRANCH HEAD  
DESIGN DIRECTOR  
FIRE PROTECTION

DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND  
ATLANTIC DESIGN AND CONSTRUCTION  
MCB CAMP LEJEUNE  
JACKSONVILLE, NC

LOGCOM CSP WAREHOUSE  
PLUMBING - 1ST FLOOR PLAN - AREA F

SCALE: AS NOTED  
PROJECT NO.: 1639600  
CONSTR. CONTR. NO.: N40085-20-C-0059  
NAVFAC DRAWING NO.  
SHEET OF

**P-116**

P1527 PREFINAL SUBMISSION - 08/02/2021

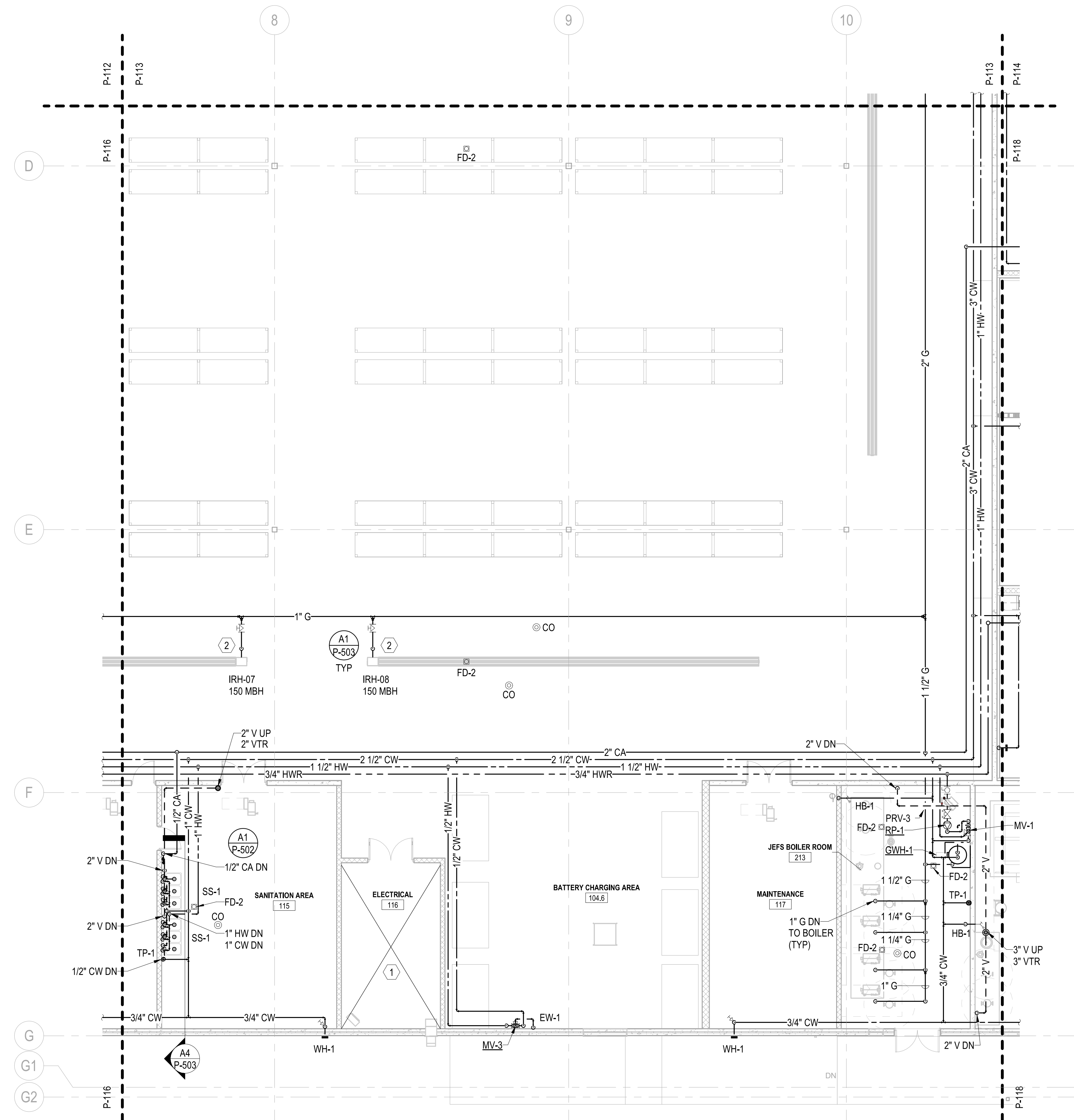
1

2

3

4

5

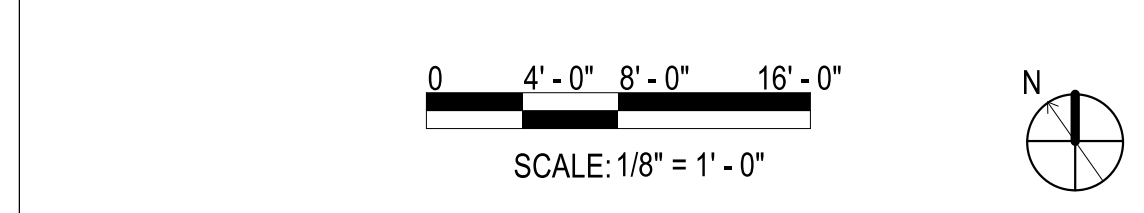
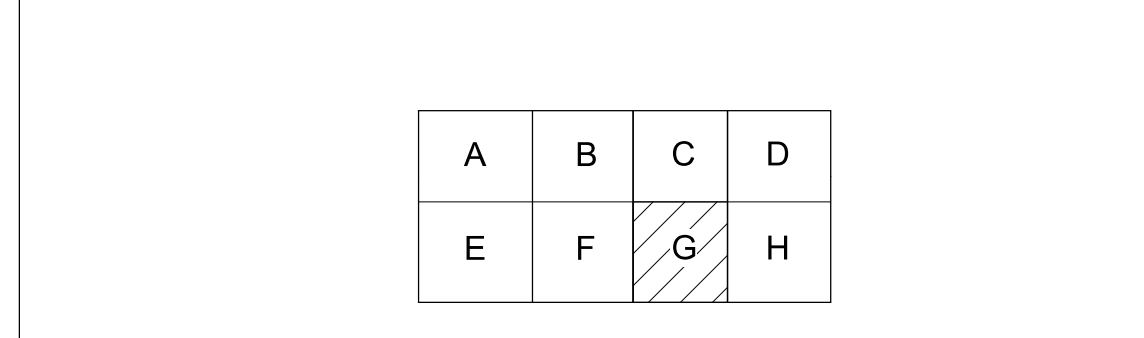




**PLUMBING - 1ST FLOOR PLAN - AREA G**  
 SCALE: 1/8" = 1'-0"

- GENERAL NOTES**
- SEE P-001 FOR GENERAL NOTES, ABBREVIATIONS & SYMBOLS.
  - ALL SANITARY SEWERS SHALL BE INSTALLED AT A MINIMUM SLOPE OF 1/8"/1'-0", UNLESS NOTED OTHERWISE.
  - VENTS SHALL CONNECT ABOVE CENTERLINE OF HORIZONTAL WASTE / SANITARY PIPE & SHALL RISE CONTINUOUSLY THROUGH FLOOR A MINIMUM 6" ABOVE FLOOD LEVEL OF FIXTURE. PROVIDE 45° CONNECTION TO WASTE / SANITARY LINE.
  - REFER TO P-700 SERIES FOR RISER DIAGRAMS.

- KEYNOTES**
- THERE MUST NOT BE ANY PIPING THAT DOES NOT SERVE THIS SPACE INSTALLED ABOVE OR WITHIN THIS SPACE.
  - CONNECT TO EQUIPMENT PROVIDED BY M.C.

**KEYPLAN**



APPROVED	DATE	APP'R
DESCRIPTION	DATE	APP'R
SYMBOL	DATE	APP'R
 <b>PRELIMINARY</b> NOT FOR CONSTRUCTION		
 <b>Michael Baker INTERNATIONAL</b> 100 AIRSIDE DRIVE MOON TOWNSHIP, PA 15108 APPROVED		
FOR COMMANDER NAVFAC		
ACTIVITY		
MARINE CORPS BASE CAMP LEJEUNE		
SATISFACTORY TO DATE DD/MM/YY		
DES SKH	DRW JTP	CHK DWH
PM		
BRANCH HEAD		
DESIGN DIRECTOR		
FIRE PROTECTION		
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ATLANTIC DESIGN AND CONSTRUCTION MCB CAMP LEJEUNE JACKSONVILLE, NC		
<b>LOGCOM CSP WAREHOUSE</b> <b>PLUMBING - 1ST FLOOR PLAN - AREA G</b>		
SCALE: AS NOTED EPROJCT NO.: 1639600 CONSTR. CONTR. NO.: N40085-20-C-0059 NAVFAC DRAWING NO.: SHEET OF		
<b>P-117</b>		

FILE NAME: BIM 360/HF PACKAGE 3P1527.LOG.COM.CSP-1639600.P1

PLOTTED: 8/22/2021 5:08:02 PM

P1527 PRELIM SUBMISSION - 08/06/2021

UNCLASSIFIED

1

2

3

4

5

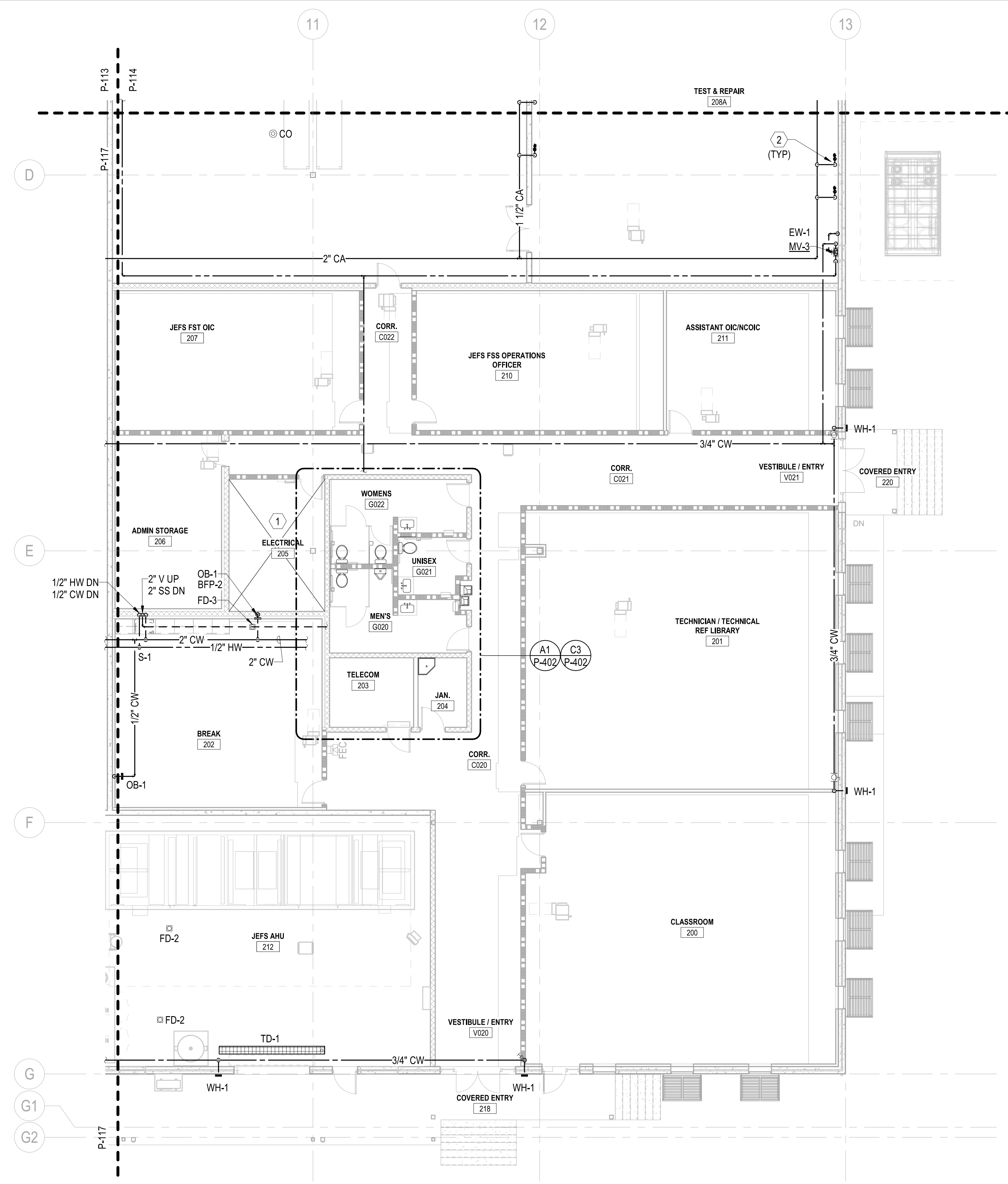
1

2

3

4

5



**PLUMBING - 1ST FLOOR PLAN - AREA H**  
 SCALE: 1/8" = 1'-0"

- GENERAL NOTES**
- SEE P-001 FOR GENERAL NOTES, ABBREVIATIONS & SYMBOLS.
  - ALL SANITARY SEWERS SHALL BE INSTALLED AT A MINIMUM SLOPE OF 1/8" / 1'-0", UNLESS NOTED OTHERWISE.
  - VENTS SHALL CONNECT ABOVE CENTERLINE OF HORIZONTAL WASTE / SANITARY PIPE & SHALL RISE CONTINUOUSLY THROUGH FLOOR A MINIMUM 6" ABOVE FLOOD LEVEL OF FIXTURE. PROVIDE 45° CONNECTION TO WASTE / SANITARY LINE.
  - REFER TO P-700 SERIES FOR RISER DIAGRAMS.

- KEYNOTES**
- THERE MUST NOT BE ANY PIPING THAT DOES NOT SERVE THIS SPACE INSTALLED ABOVE OR WITHIN THIS SPACE.
  - 1/2" CA DROP ALONG WALL. SEE DETAIL A3/P-502 FOR ADDITIONAL INFORMATION.

SYMBOL	DESCRIPTION	DATE	APPROVED



**PRELIMINARY**  
 NOT FOR CONSTRUCTION



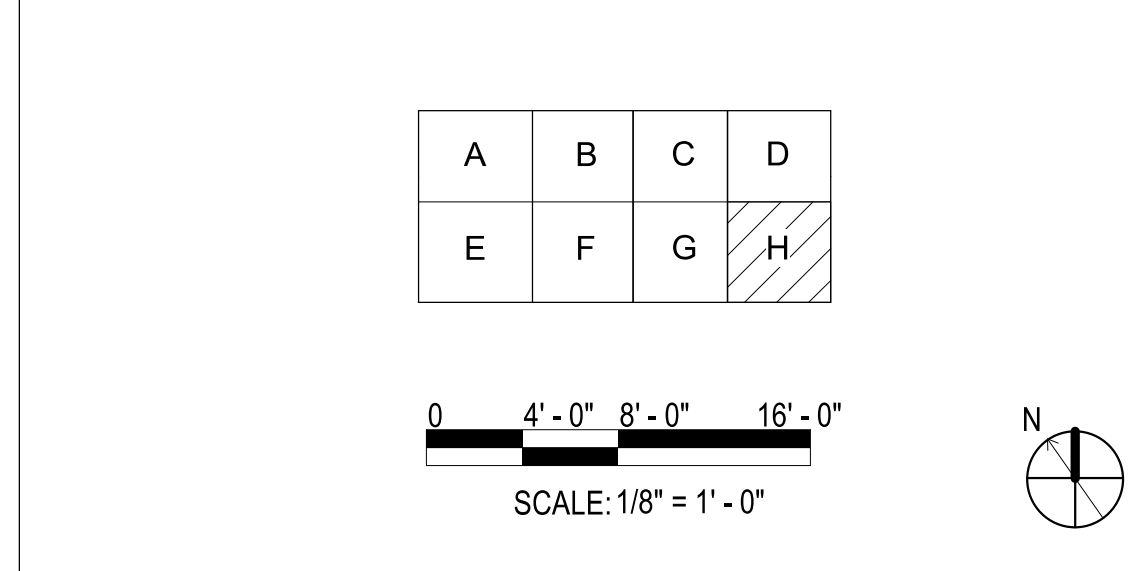
**Michael Baker INTERNATIONAL**  
 100 AIRSIDE DRIVE  
 MOON TOWNSHIP, PA 15108

FOR COMMANDER NAVFAC  
 ACTIVITY  
 MARINE CORPS BASE  
 CAMP LEJEUNE  
 SATISFACTORY TO DATE DD/MM/YY  
 DES SKH DRW JTP CHK DWH  
 PM  
 BRANCH HEAD  
 DESIGN DIRECTOR  
 FIRE PROTECTION

DEPARTMENT OF THE NAVY  
 NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND  
 NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ATLANTIC  
 ATLANTIC DESIGN AND CONSTRUCTION  
 MCB CAMP LEJEUNE  
 JACKSONVILLE, NC  
 LOGCOM CSP WAREHOUSE  
 PLUMBING - 1ST FLOOR PLAN - AREA H

SCALE: AS NOTED  
 EPROJCT NO.: 1639600  
 CONSTR. CONTR. NO.: N40085-20-C-0059  
 NAVFAC DRAWING NO.:  
 SHEET OF  
**P-118**

**KEYPLAN**



PLOTTED: 8/22/2021 5:08:05 PM

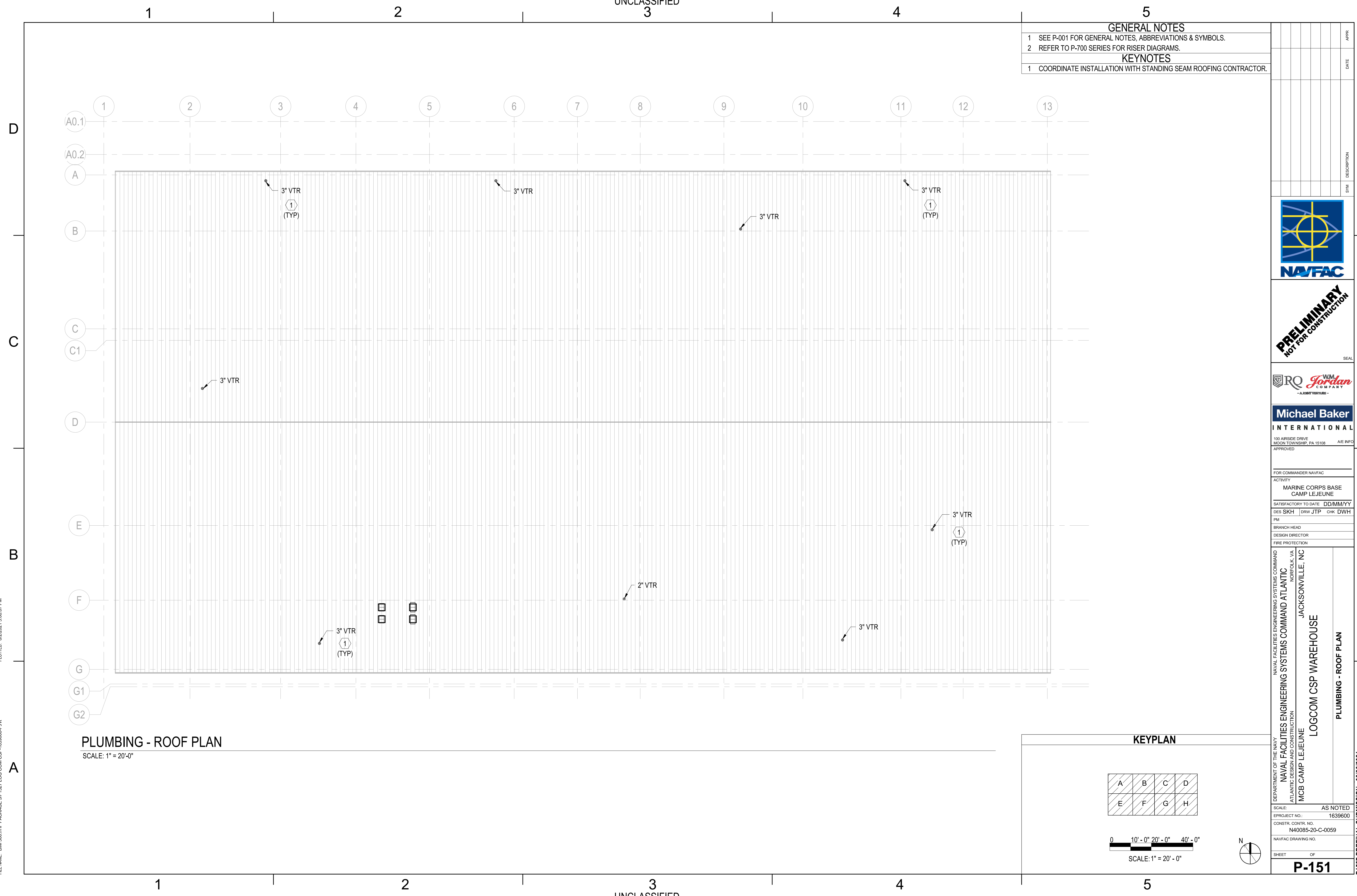
FILE NAME: BIM 360://HF PACKAGE 3/P1527 LOG COM CSP-1639600-P-118

P1527 PRELIM SUBMISSION - 08/06/2021

UNCLASSIFIED

**GENERAL NOTES**  
 1 SEE P-001 FOR GENERAL NOTES, ABBREVIATIONS & SYMBOLS.  
 2 REFER TO P-700 SERIES FOR RISER DIAGRAMS.

**KEYNOTES**  
 1 COORDINATE INSTALLATION WITH STANDING SEAM ROOFING CONTRACTOR.



**PLUMBING - ROOF PLAN**  
 SCALE: 1" = 20'-0"

**KEYPLAN**

A	B	C	D
E	F	G	H

0 10'-0" 20'-0" 40'-0"  
 SCALE: 1" = 20'-0"

N

APPR	
DATE	
DESCRIPTION	
SYMBOL	

**PRELIMINARY**  
 NOT FOR CONSTRUCTION

**Michael Baker INTERNATIONAL**  
 100 AIRSIDE DRIVE  
 MOON TOWNSHIP, PA 15108 A/E INF/0  
 APPROVED

FOR COMMANDER NAVFAC

ACTIVITY  
 MARINE CORPS BASE  
 CAMP LEJEUNE

SATISFACTORY TO DATE DD/MM/YY  
 DES SKH DRW JTP CHK DWH  
 PM

BRANCH HEAD  
 DESIGN DIRECTOR  
 FIRE PROTECTION

DEPARTMENT OF THE NAVY  
 NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND  
 ATLANTIC DESIGN AND CONSTRUCTION  
 MCB CAMP LEJEUNE JACKSONVILLE, NC

LOGCOM CSP WAREHOUSE  
 PLUMBING - ROOF PLAN

SCALE: AS NOTED  
 EPROJECT NO.: 1639600  
 CONSTR. CONTR. NO. N40085-20-C-0059  
 NAVFAC DRAWING NO.  
 SHEET OF

**P-151**

FILE NAME: BIM 360/HF PACKAGE 3P1527 LOG COM CSP-1639600.PLT  
 PLOTTED: 8/2/2021 5:08:07 PM

UNCLASSIFIED

UNCLASSIFIED

P1527 PRELIMINARY SUBMISSION - 08/06/2021

### GENERAL NOTES

- 1 SEE P-001 FOR GENERAL NOTES, ABBREVIATIONS & SYMBOLS.
- 2 REFER TO STRUCTURAL DRAWINGS FOR THE EXACT SIZE, LOCATION, AND ELEVATION OF FOUNDATIONS, FOOTERS AND GRADE BEAMS.
- 3 REFER TO STRUCTURAL DRAWINGS FOR DETAILS OF PIPE CROSSINGS UNDER OR THROUGH THE STRUCTURAL FOUNDATIONS, FOOTERS AND GRADE BEAMS.
- 4 ALL SANITARY SEWERS SHALL BE INSTALLED AT A MINIMUM SLOPE OF 1/8"1'-0", UNLESS NOTED OTHERWISE.
- 5 VENTS SHALL CONNECT ABOVE CENTERLINE OF HORIZONTAL WASTE / SANITARY PIPE & SHALL RISE CONTINUOUSLY THROUGH FLOOR A MINIMUM 6" ABOVE FLOOD LEVEL OF FIXTURE. PROVIDE 45° CONNECTION TO WASTE / SANITARY LINE.
- 6 UNDERFLOOR SANITARY SEWER PIPING SHALL BE A MINIMUM OF 4" UNLESS NOTED OTHERWISE.
- 7 REFER TO P-700 SERIES FOR RISER DIAGRAMS.

SYN	DESCRIPTION	DATE	APPR



**PRELIMINARY**  
NOT FOR CONSTRUCTION

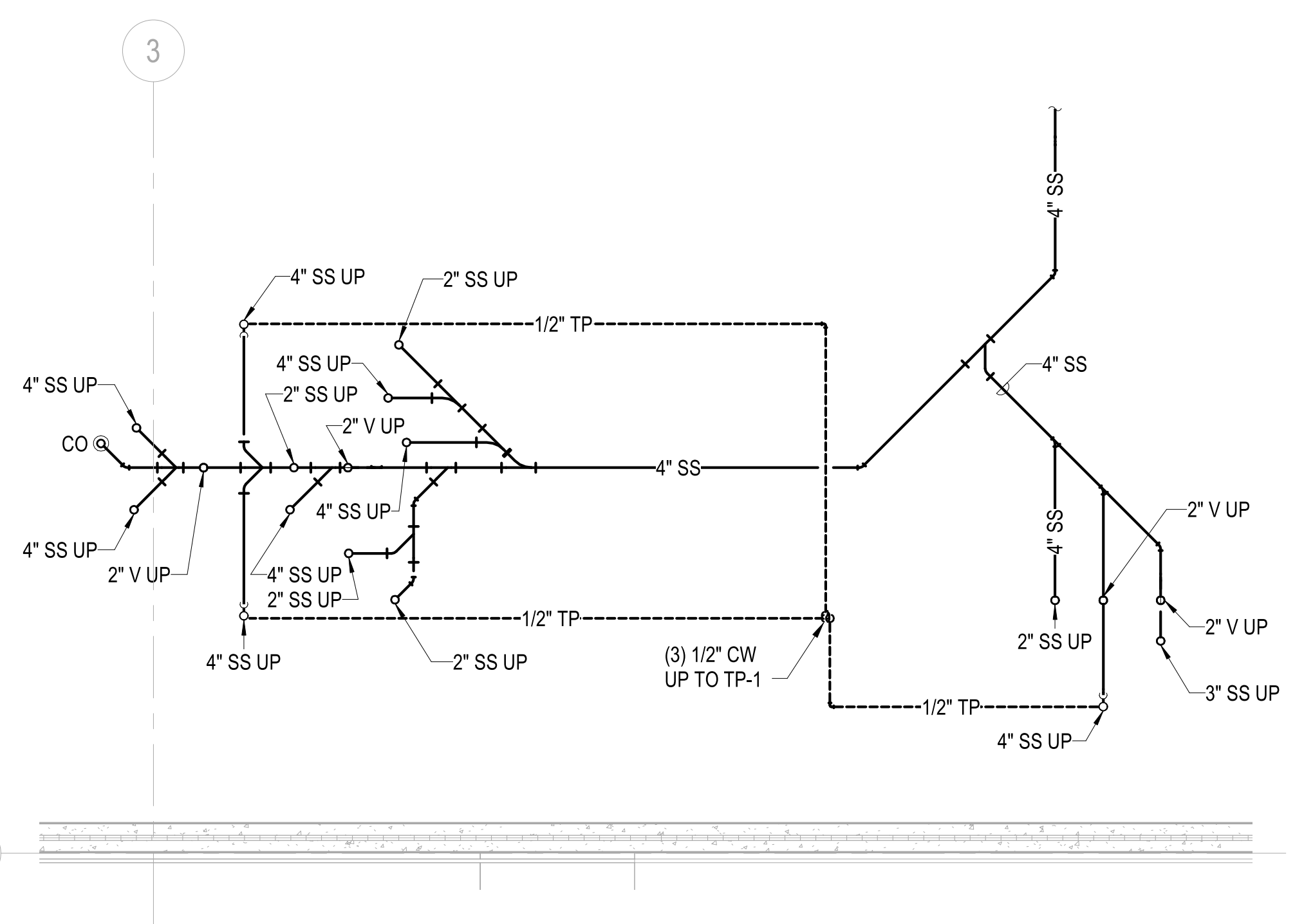


**Michael Baker INTERNATIONAL**  
100 AIRSIDE DRIVE  
MOON TOWNSHIP, PA 15108  
APPROVED

FOR COMMANDER NAVFAC  
ACTIVITY  
MARINE CORPS BASE  
CAMP LEJEUNE  
SATISFACTORY TO DATE DD/MM/YY  
DES SKH | DRW JTP | CHK DWH  
PM  
BRANCH HEAD  
DESIGN DIRECTOR  
FIRE PROTECTION

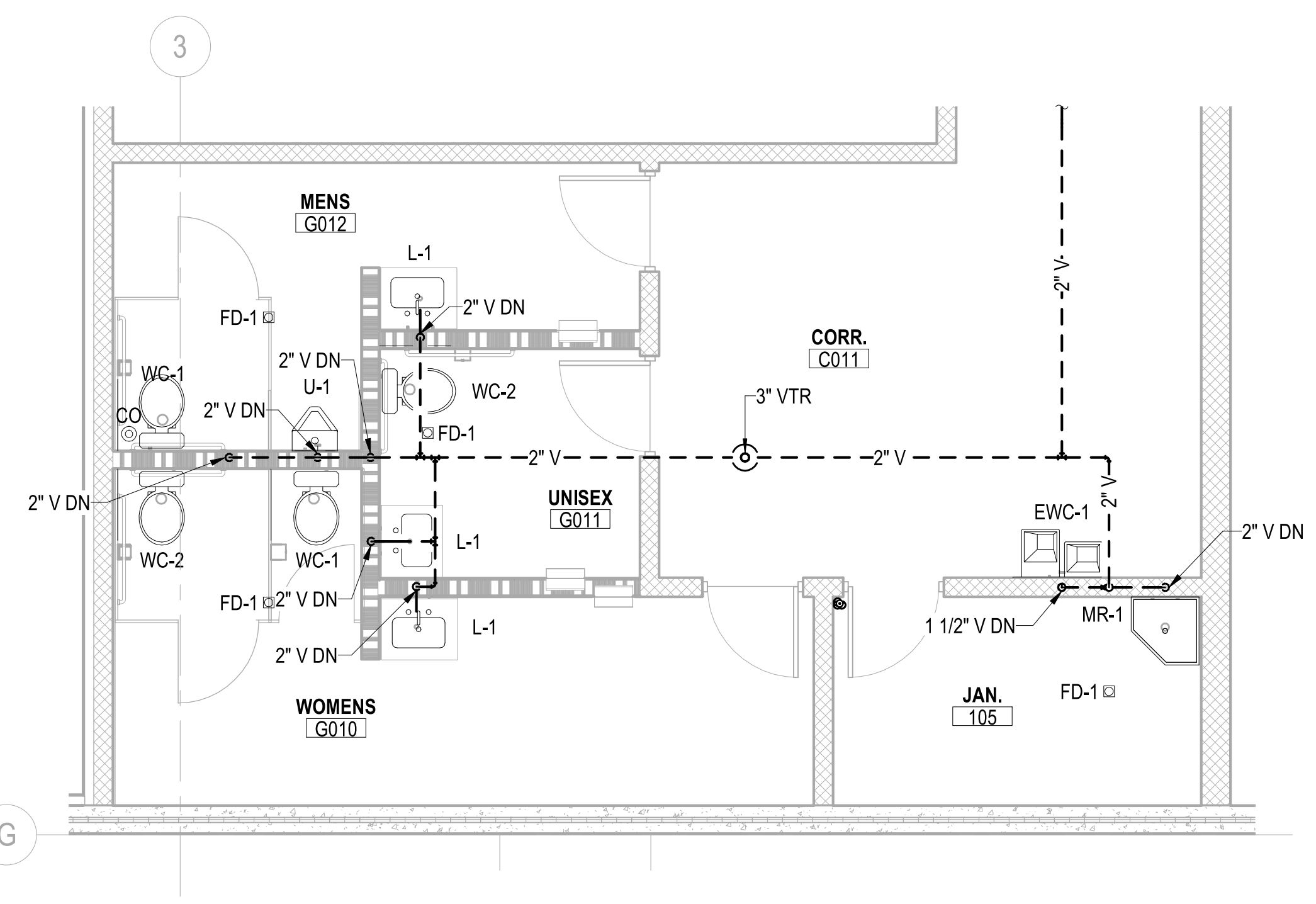
DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND  
ATLANTIC DESIGN AND CONSTRUCTION  
NAVFAC JACKSONVILLE, NC  
MBC CAMP LEJEUNE  
LOGCOM CSP WAREHOUSE  
PLUMBING - ENLARGED PLANS

SCALE: AS NOTED  
EPROJCT NO.: 1639600  
CONSTR. CONTR. NO. N40085-20-C-0059  
NAVFAC DRAWING NO.  
SHEET OF  
**P-401**



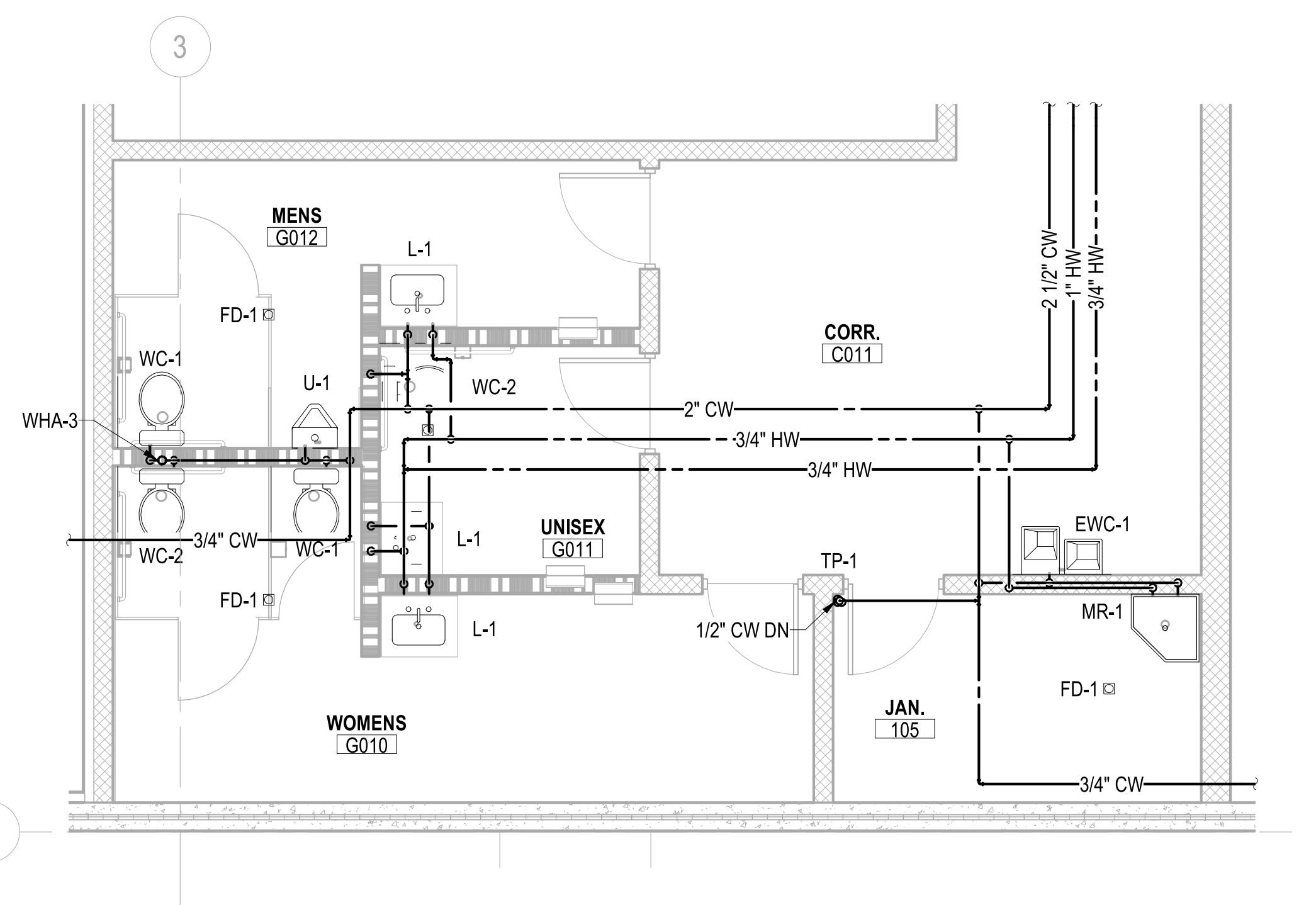
ENLARGED G010/G012 - UNDERGROUND PLAN  
SCALE: 1/4" = 1'-0"

PU110 C1



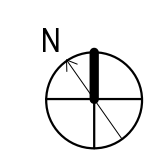
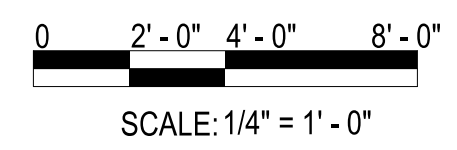
ENLARGED G010/G012 - SANITARY & VENT PLAN  
SCALE: 1/4" = 1'-0"

P-110 C3



ENLARGED G010/G012 - WATER PLAN  
SCALE: 1/4" = 1'-0"

P-110 A3



PLOTTED: 8/22/2021 5:08:11 PM

FILE NAME: BIM 360://HF PACKAGE 3/P1527 LOG COM CSP-1639600.P4

UNCLASSIFIED

P1527 PRELIM SUBMISSION - 08/06/2021

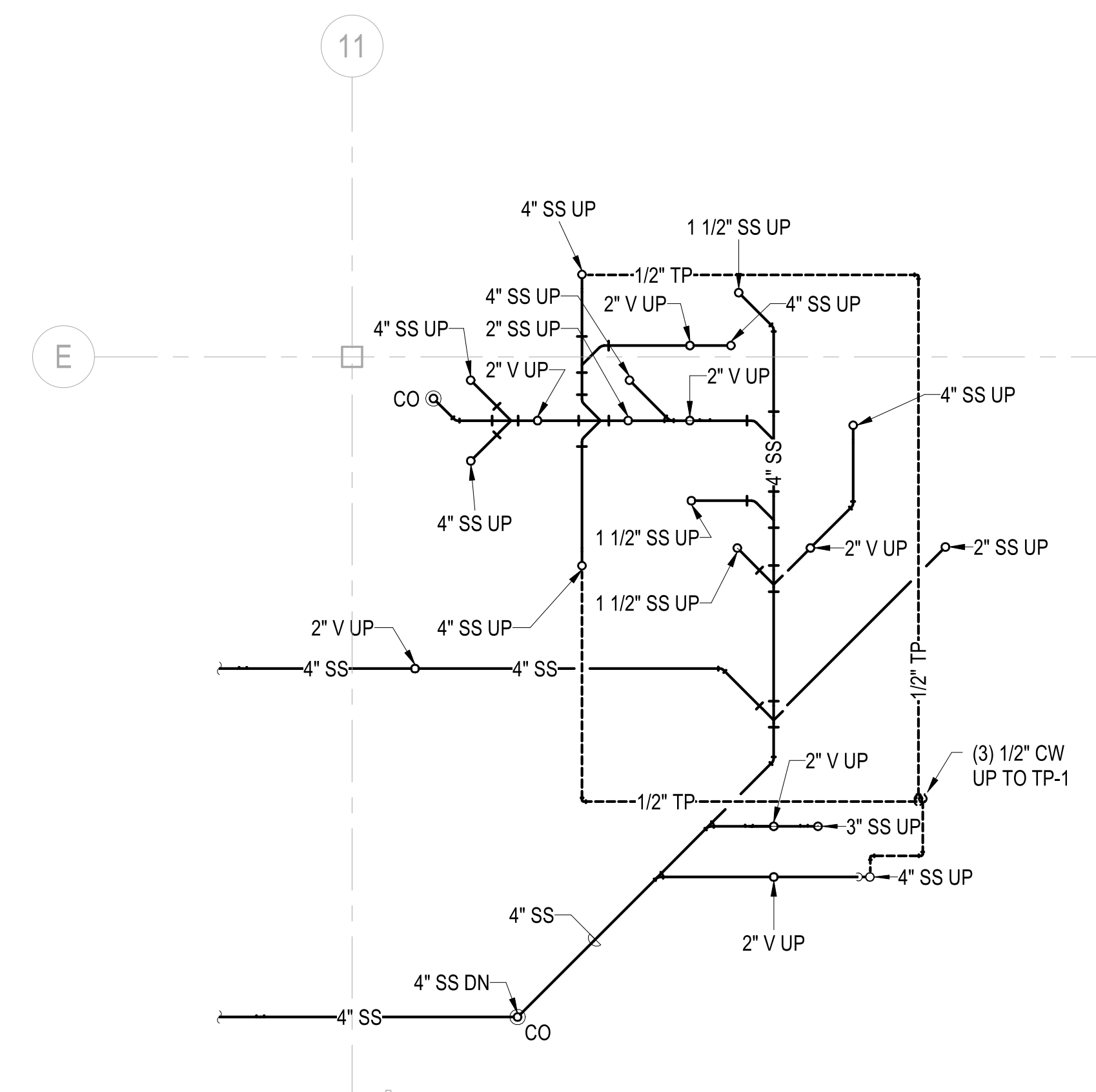
1

2

3

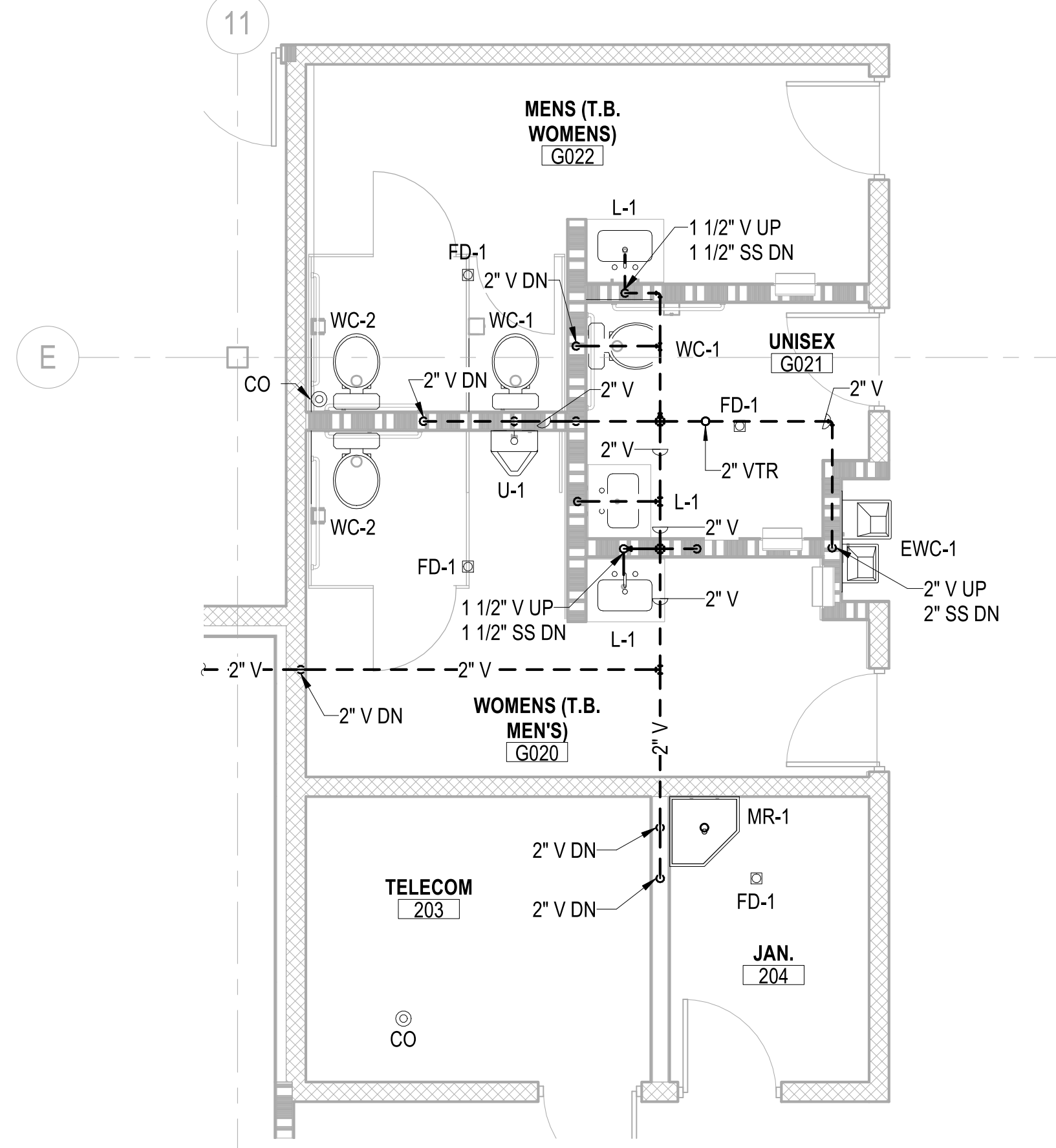
4

5



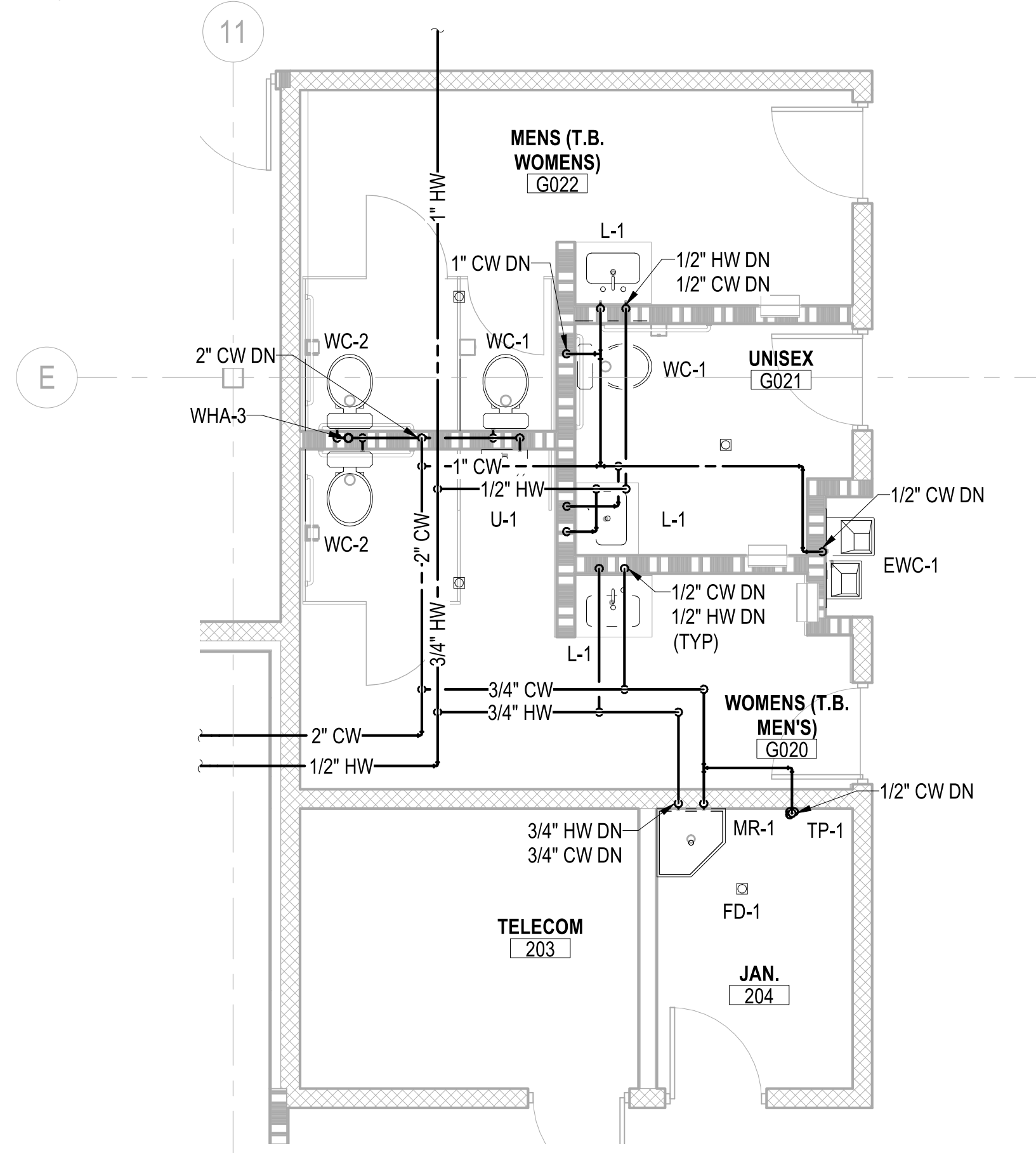
ENLARGED G020/G021/G022 - UNDERGROUND PLAN  
SCALE: 1/4" = 1'-0"

PU110 C1



ENLARGED G020/G021/G022 - SANITARY & VENT PLANS  
SCALE: 1/4" = 1'-0"

P-110 C3



ENLARGED G020/G021/G022 - WATER PLAN  
SCALE: 1/4" = 1'-0"

P-110 A1

GENERAL NOTES

- SEE P-001 FOR GENERAL NOTES, ABBREVIATIONS & SYMBOLS.
- REFER TO STRUCTURAL DRAWINGS FOR THE EXACT SIZE, LOCATION, AND ELEVATION OF FOUNDATIONS, FOOTERS AND GRADE BEAMS.
- REFER TO STRUCTURAL DRAWINGS FOR DETAILS OF PIPE CROSSINGS UNDER OR THROUGH THE STRUCTURAL FOUNDATIONS, FOOTERS AND GRADE BEAMS.
- ALL SANITARY SEWERS SHALL BE INSTALLED AT A MINIMUM SLOPE OF 1/8"1'-0", UNLESS NOTED OTHERWISE.
- VENTS SHALL CONNECT ABOVE CENTERLINE OF HORIZONTAL WASTE / SANITARY PIPE & SHALL RISE CONTINUOUSLY THROUGH FLOOR A MINIMUM 6" ABOVE FLOOD LEVEL OF FIXTURE. PROVIDE 45° CONNECTION TO WASTE / SANITARY LINE.
- UNDERFLOOR SANITARY SEWER PIPING SHALL BE A MINIMUM OF 4" UNLESS NOTED OTHERWISE.
- REFER TO P-700 SERIES FOR RISER DIAGRAMS.

SYMBOL	DESCRIPTION	DATE	APPROVED



**PRELIMINARY**  
NOT FOR CONSTRUCTION

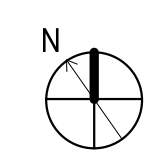
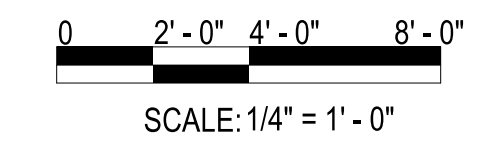


**Michael Baker INTERNATIONAL**  
100 AIRSIDE DRIVE  
MOON TOWNSHIP, PA 15108  
APPROVED

FOR COMMANDER NAVFAC  
ACTIVITY  
MARINE CORPS BASE  
CAMP LEJEUNE  
SATISFACTORY TO DATE DD/MM/YY  
DES SKH | DRW JTP | CHK DWH  
PM  
BRANCH HEAD  
DESIGN DIRECTOR  
FIRE PROTECTION

DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND  
ATLANTIC DESIGN AND CONSTRUCTION  
NAVFAC JACKSONVILLE, NC  
NAVFAC JACKSONVILLE, NC  
LOGCOM CSP WAREHOUSE  
PLUMBING - ENLARGED PLANS

SCALE: AS NOTED  
PROJECT NO.: 1639600  
CONSTR. CONTR. NO.: N40085-20-C-0059  
NAVFAC DRAWING NO.:  
SHEET OF  
**P-402**



PLOTTED: 8/22/2021 5:08:15 PM

FILE NAME: BIM 360/HF PACKAGE 3P11527.LOG.COM.CSP-1639600.P1

UNCLASSIFIED

B

P1527 PRELIM SUBMISSION - 08/06/2021

1

2

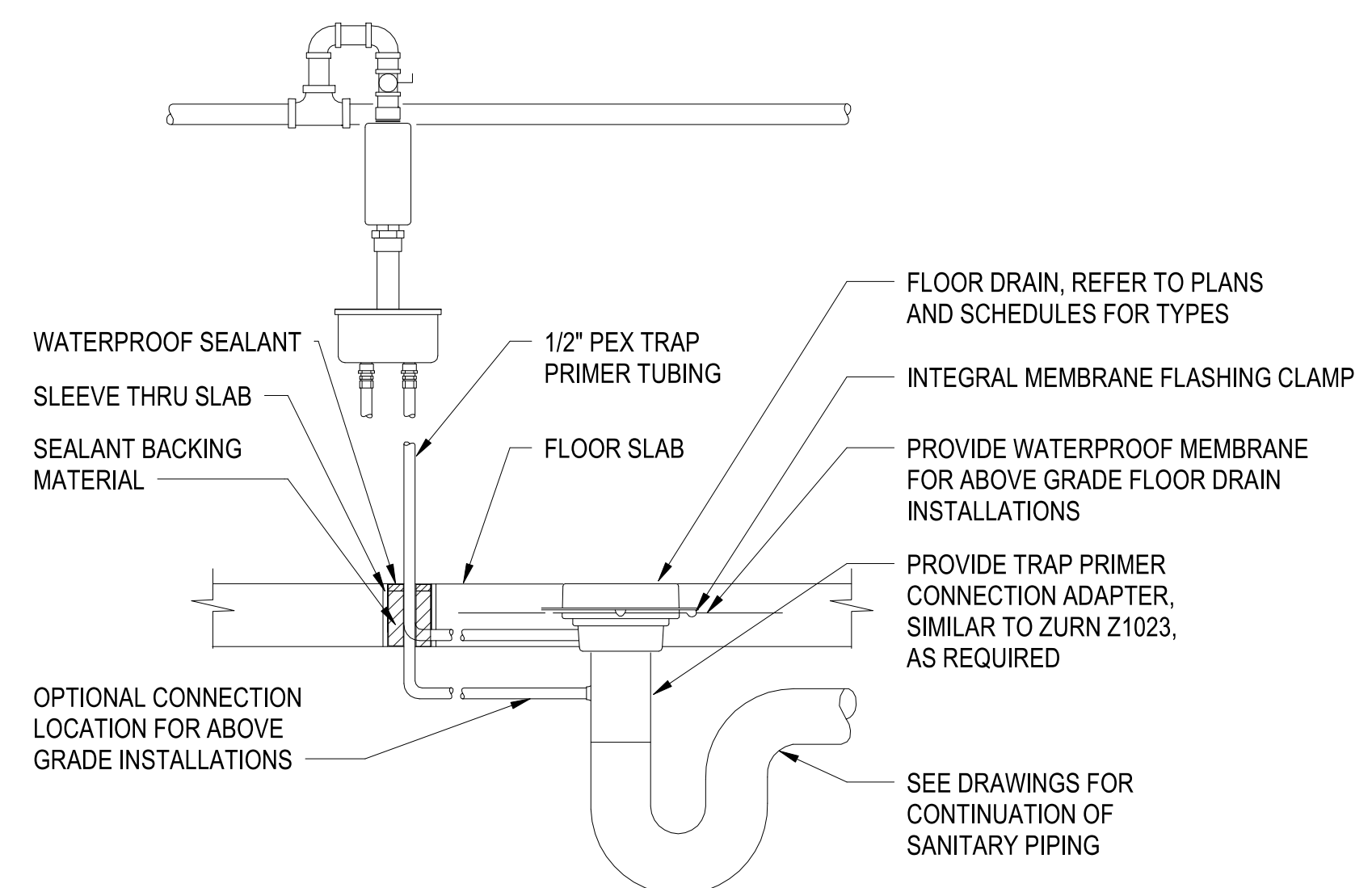
3

4

5

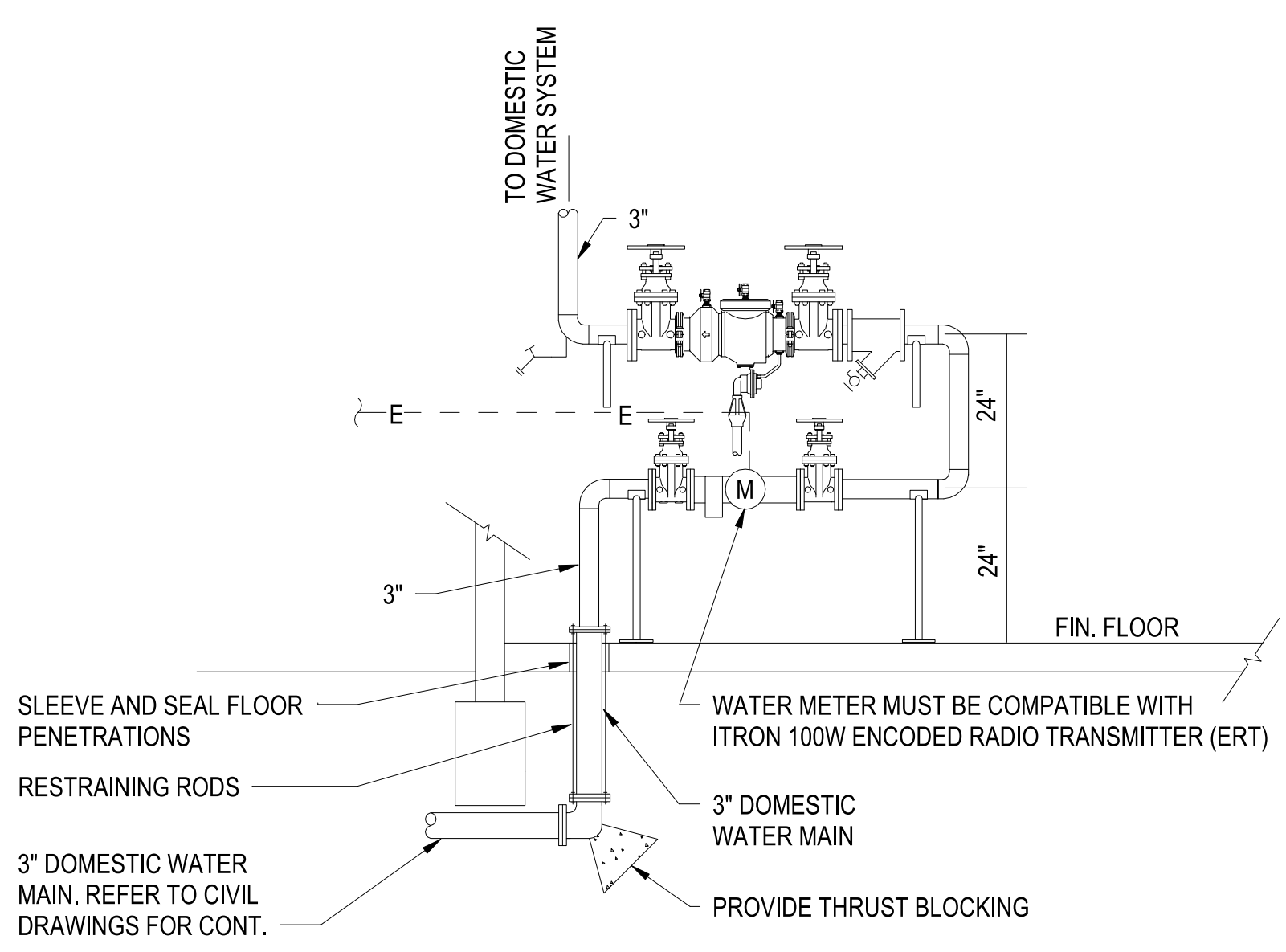
D

D



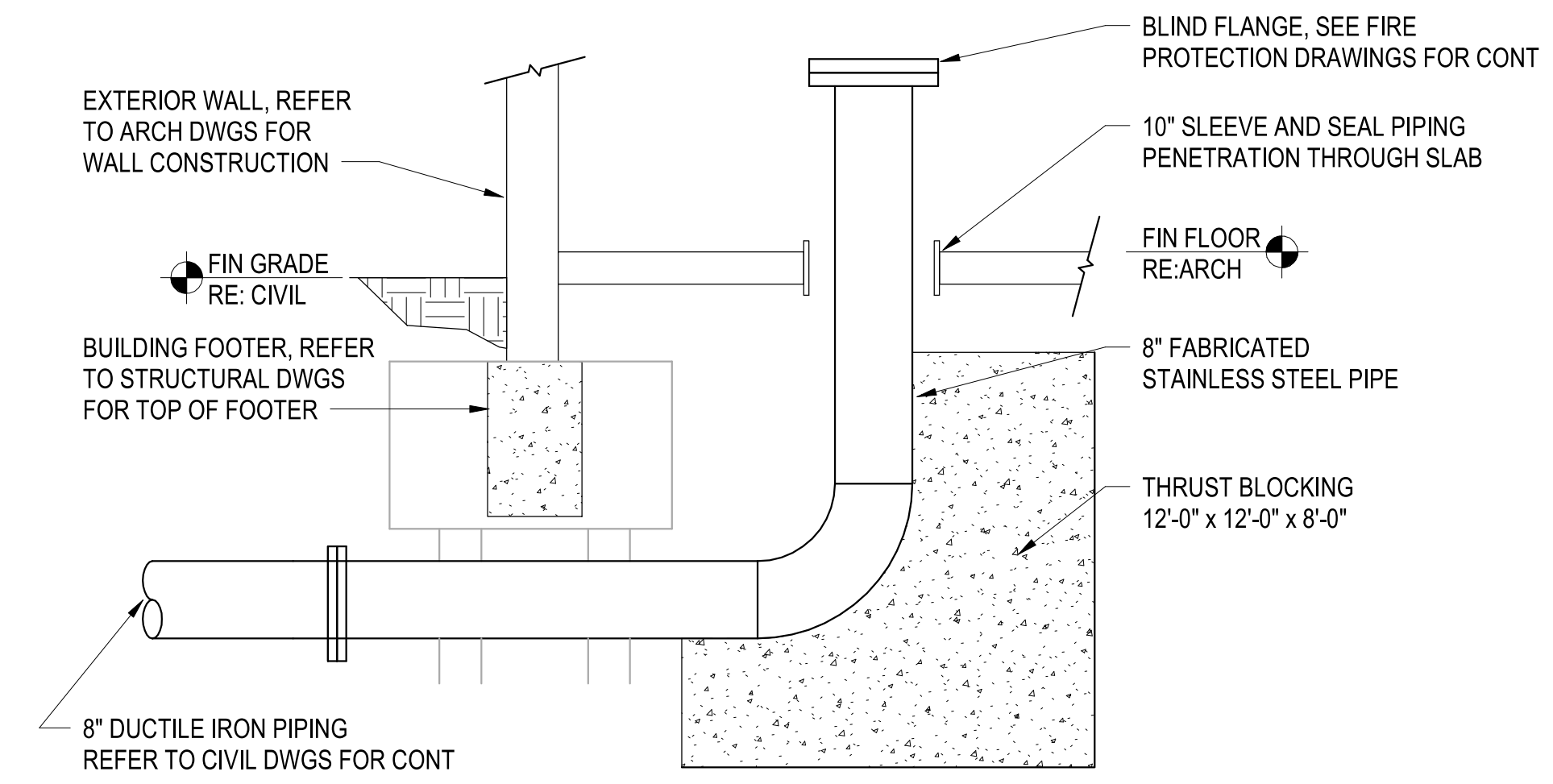
**FLOOR DRAIN AND TRAP PRIMER VALVE DETAIL**  
SCALE: NTS

C1



**WATER SERVICE ENTRANCE DETAIL**  
SCALE: 1/2" = 1'-0"

C2

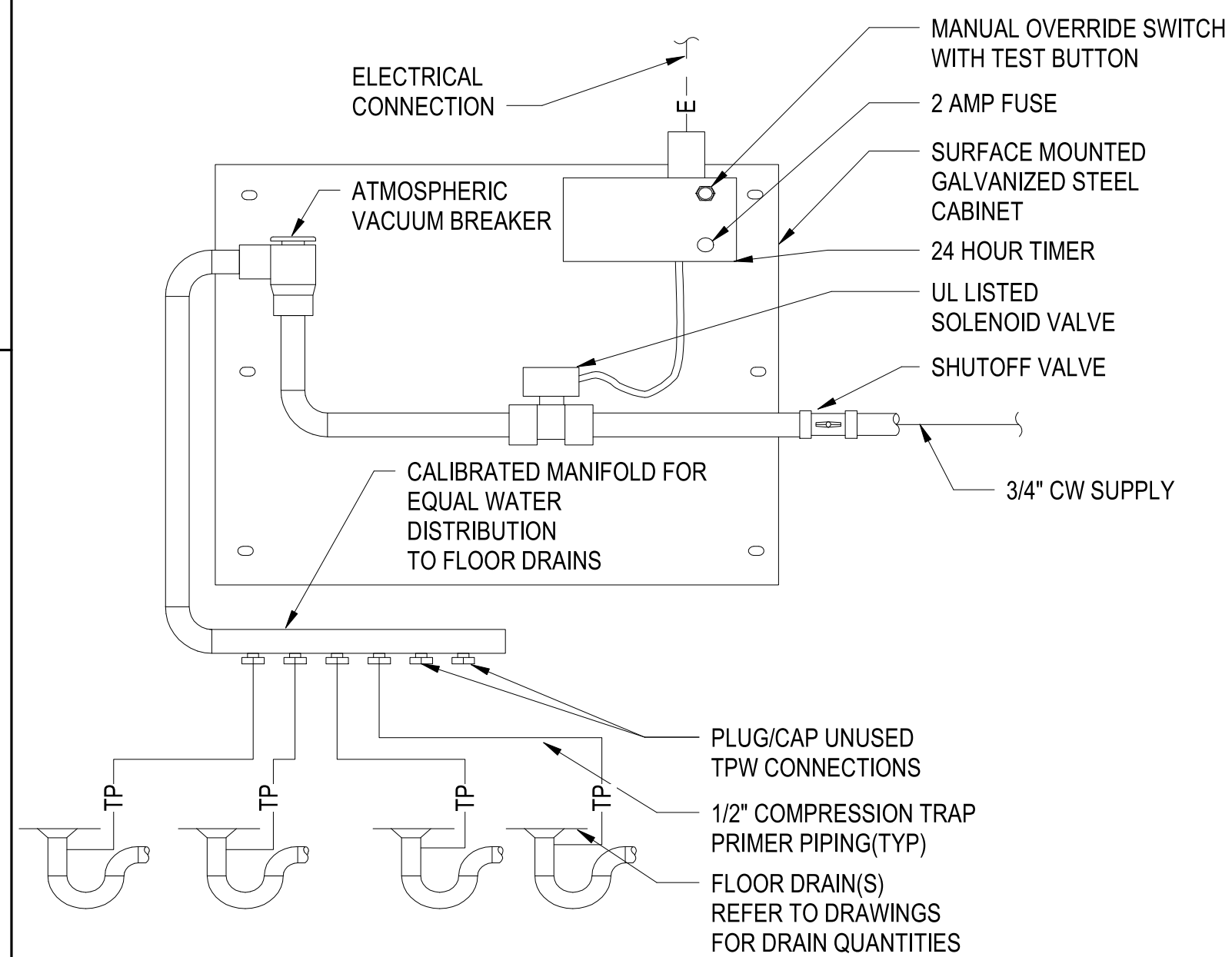


**FIRE PROTECTION SERVICE ENTRANCE DETAIL**  
SCALE: NTS

C4

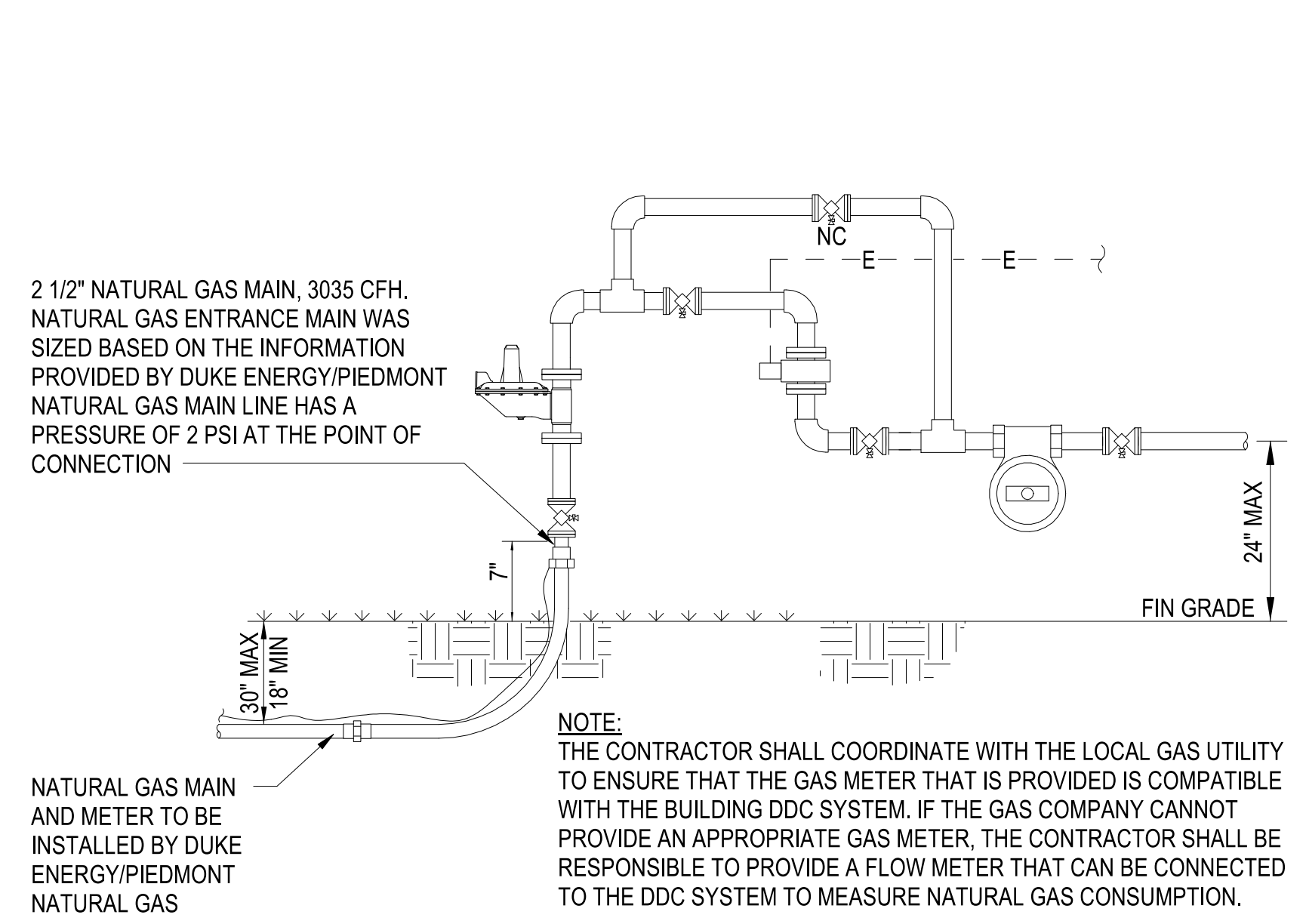
B

B



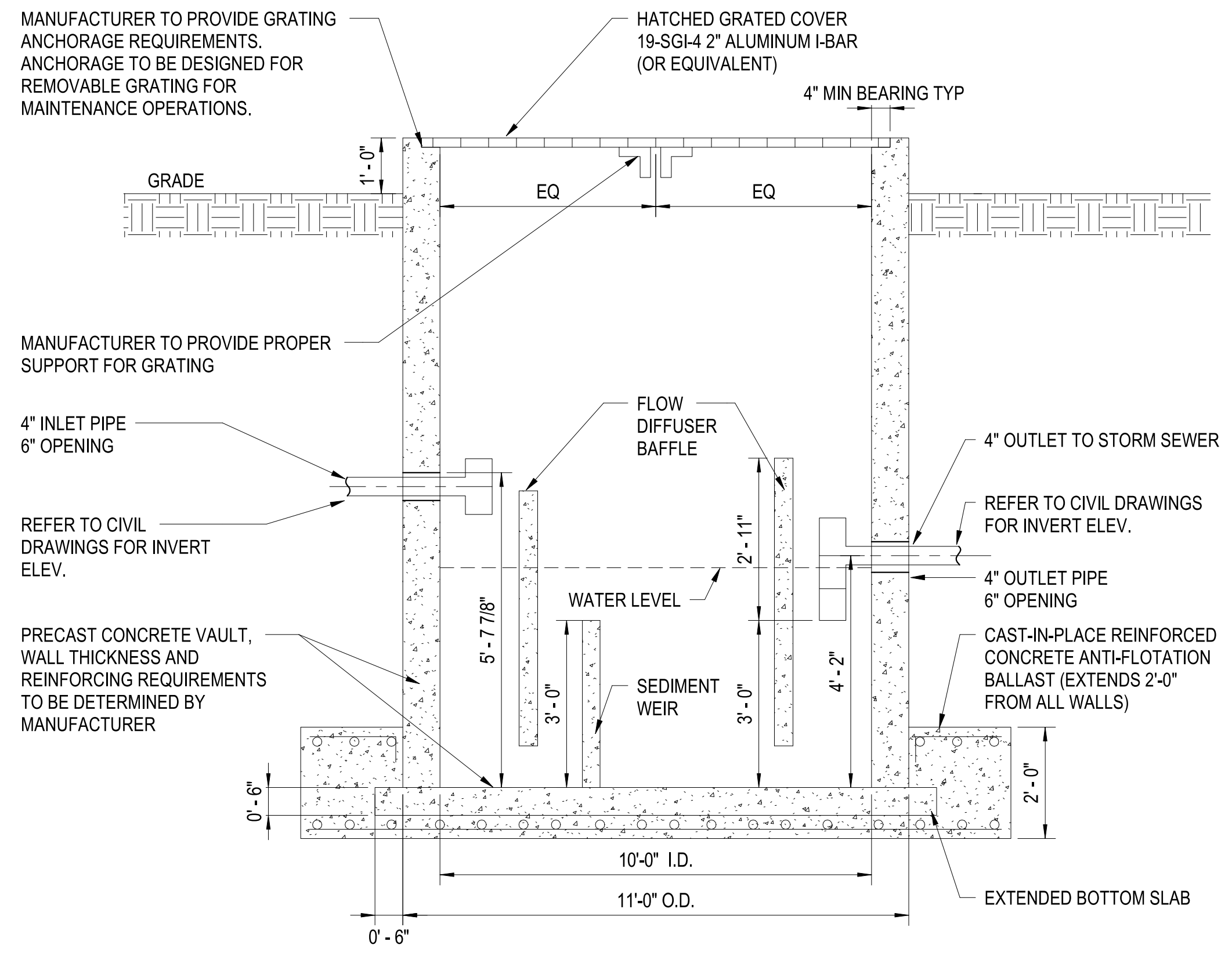
**ELECTRONIC TRAP PRIMER VALVE DETAIL**  
SCALE: NTS

A1



**GAS METER DETAIL**  
SCALE: NTS



A2



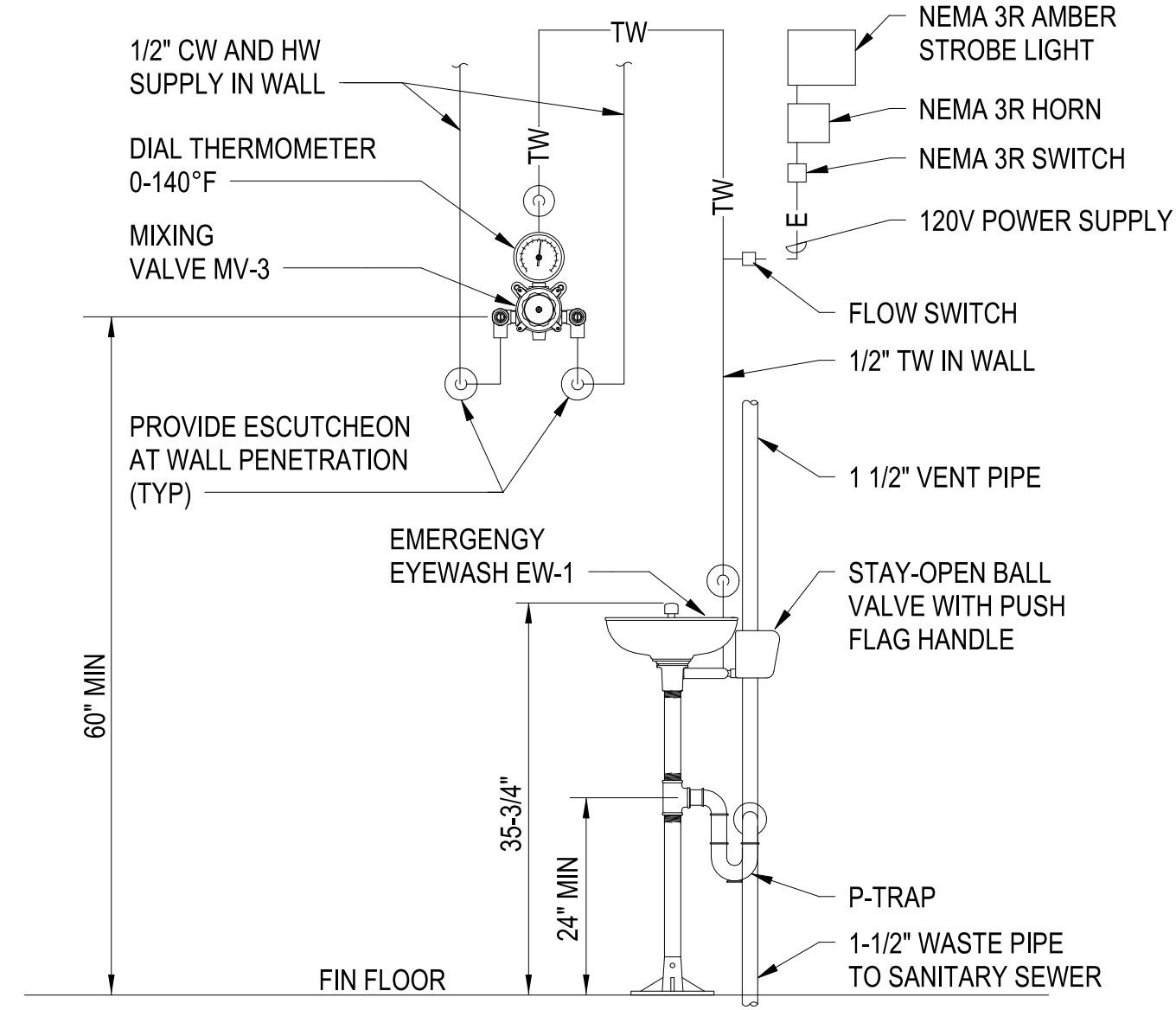
**OIL/WATER SEPARATOR - OPEN GRATE**  
SCALE: NTS

A4

FILE NAME: BIM\_360/HF PACKAGE 3P1527.LOG.COM.CSP-1639604P.04 PLOTTED: 8/22/2021 5:08:16 PM

APPROVED	DATE	APPR
SYMBOL	DESCRIPTION	SYM
		
<p><b>PRELIMINARY</b> NOT FOR CONSTRUCTION</p>		
		
<p><b>Michael Baker INTERNATIONAL</b></p> <p>100 AIRSIDE DRIVE MOON TOWNSHIP, PA 15108</p>		
<p>FOR COMMANDER NAVFAC</p> <p>ACTIVITY: MARINE CORPS BASE CAMP LEJEUNE</p> <p>SATISFACTORY TO DATE: DD/MM/YYYY</p> <p>DES: SKH   DRW: JTP   CHK: DWH</p> <p>PM: [ ]</p> <p>BRANCH HEAD: [ ]</p> <p>DESIGN DIRECTOR: [ ]</p> <p>FIRE PROTECTION: [ ]</p>		
<p>DEPARTMENT OF THE NAVY NAVFACILITIES ENGINEERING SYSTEMS COMMAND ATLANTIC DESIGN AND CONSTRUCTION</p> <p>NAVFACILITIES ENGINEERING SYSTEMS COMMAND ATLANTIC NORFOLK, VA</p> <p>MCB CAMP LEJEUNE JACKSONVILLE, NC</p> <p>LOGCOM CSP WAREHOUSE</p> <p>PLUMBING - DETAILS</p>		
SCALE: AS NOTED	PROJECT NO.: 1639600	
CONSTR. CONTR. NO.: N40085-20-C-0059		
NAVFAC DRAWING NO.:		
SHEET OF		
<b>P-501</b>		

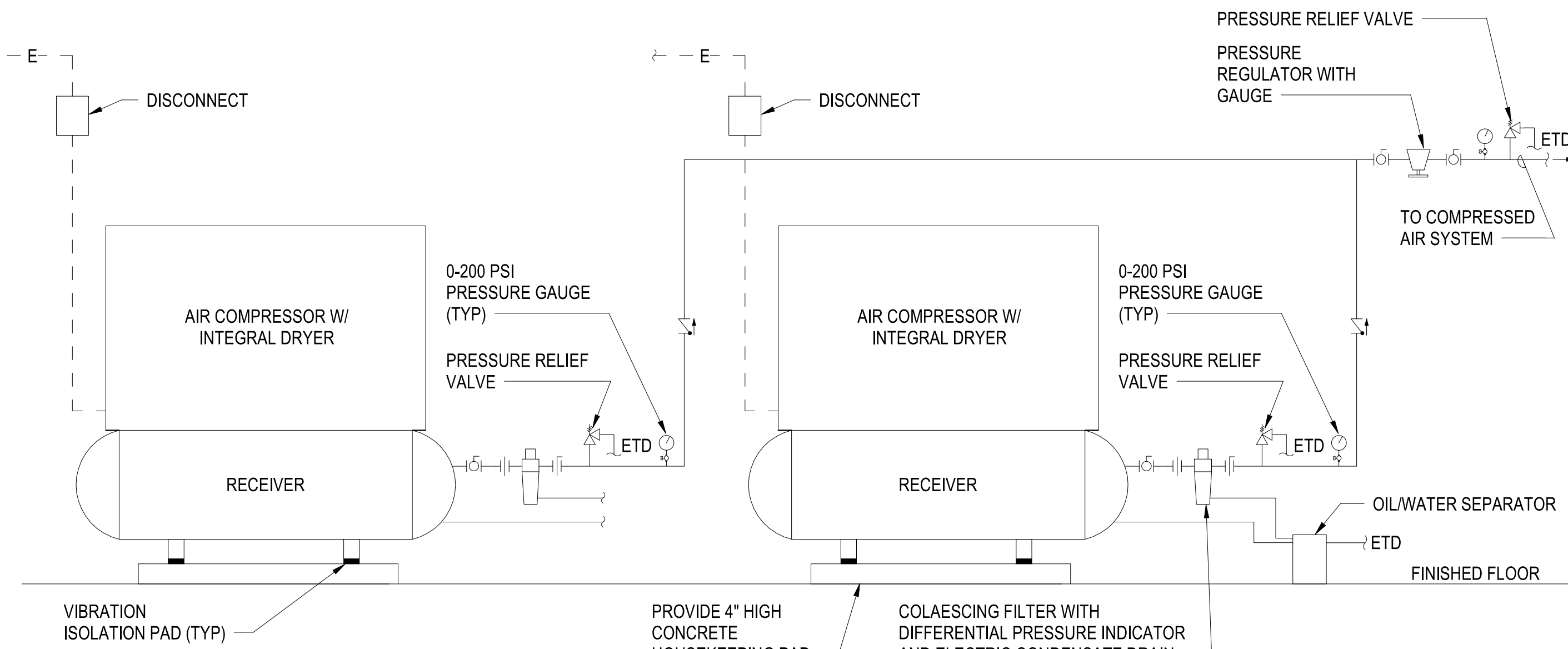
P1527 PREFINAL SUBMISSION - 08/06/2021



**EMERGENCY EYEWASH (EW-1) DETAIL**

SCALE: NTS

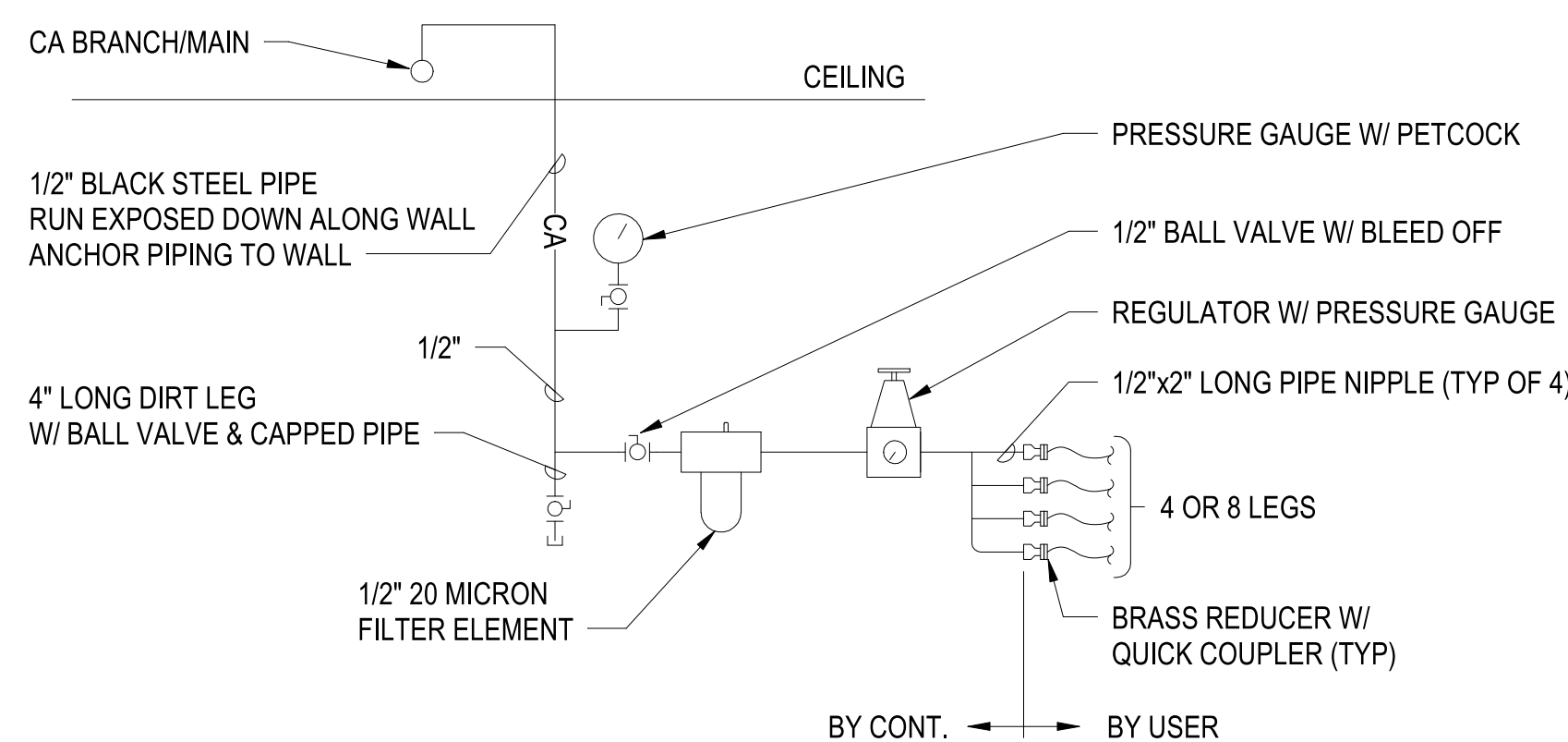
C1



**AIR COMPRESSOR DETAIL**

SCALE: NTS

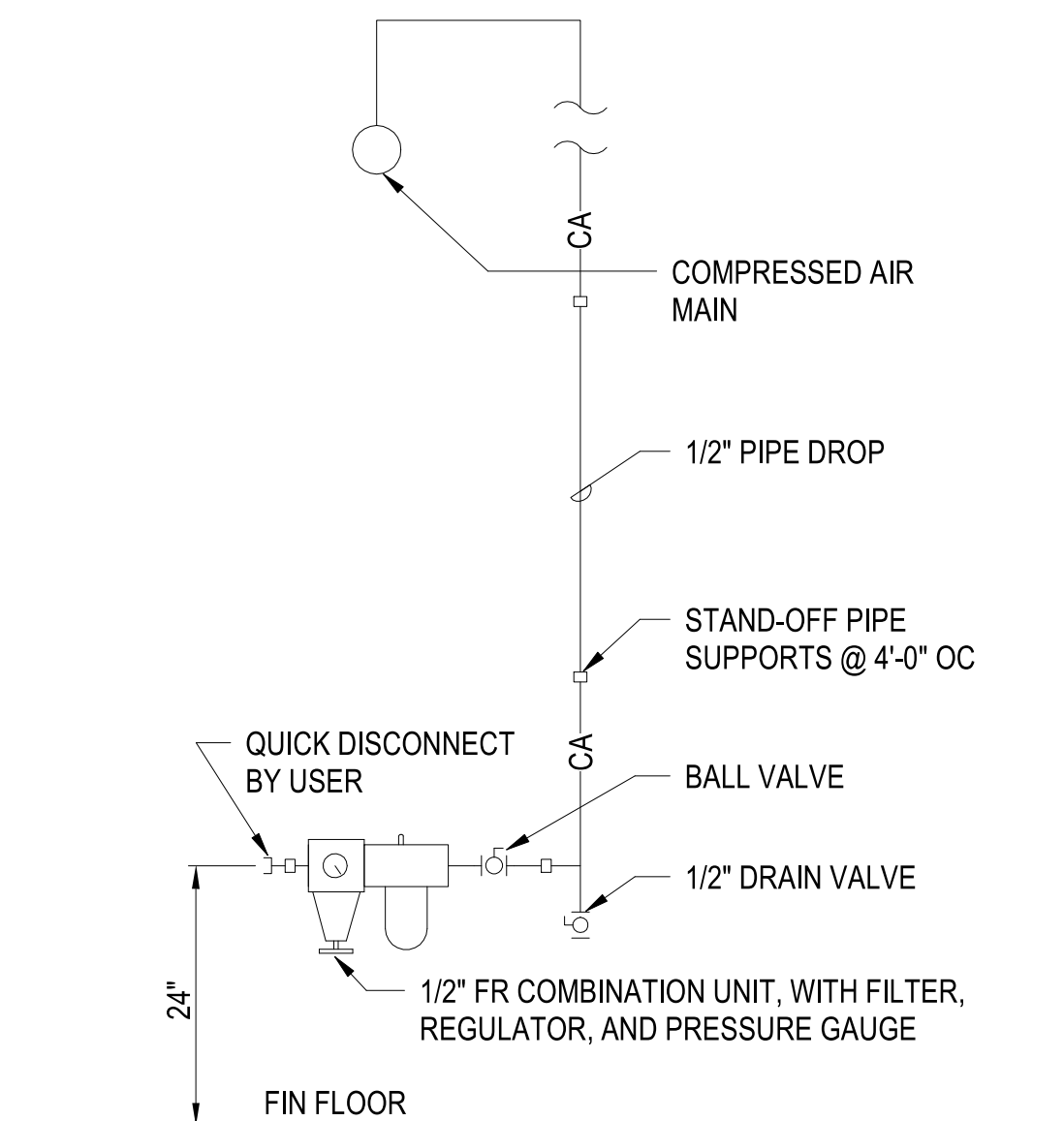
C3



**SANITATION ROOM COMPRESSED AIR OUTLET DETAIL**

SCALE: NTS

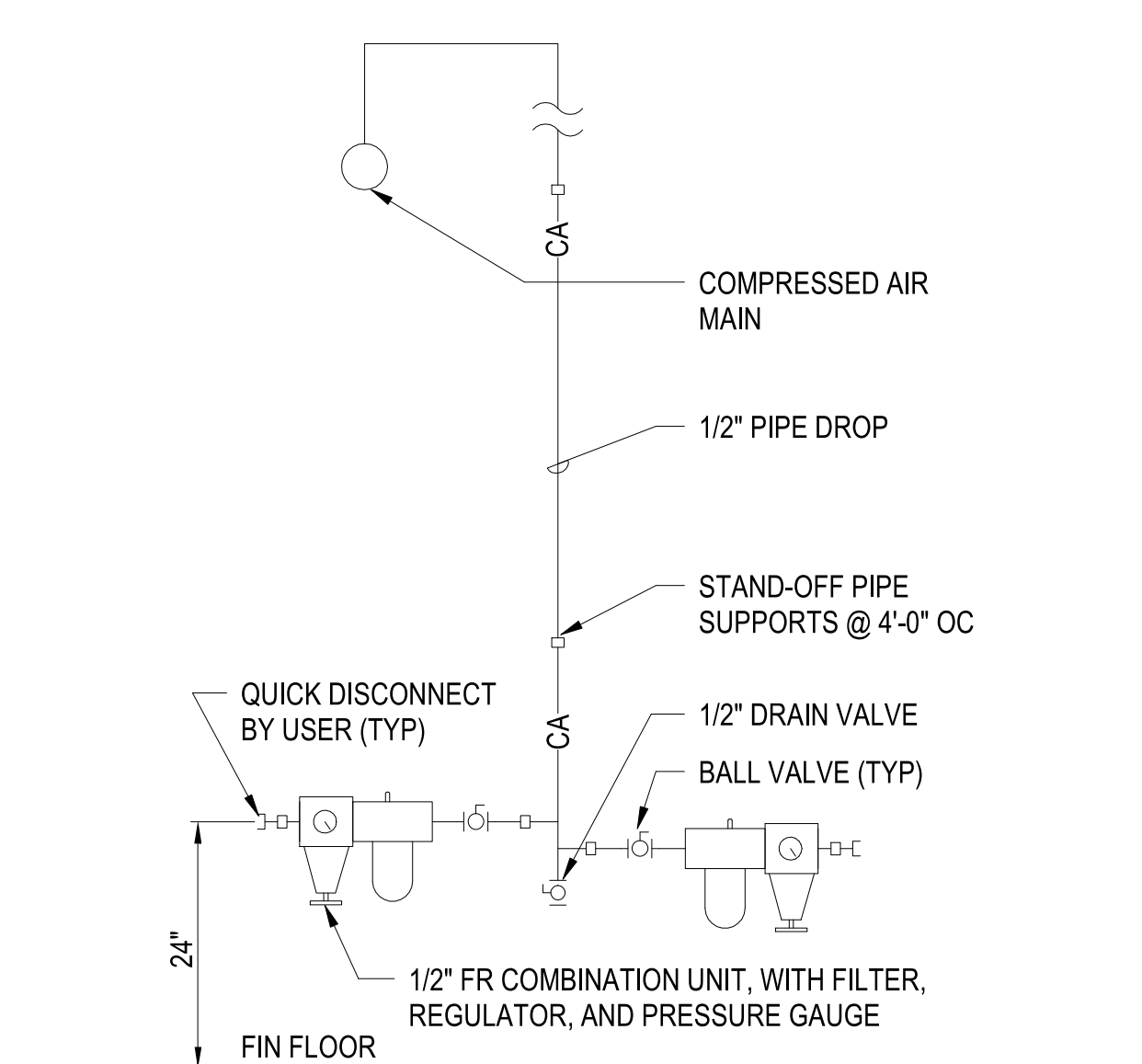
A1



**COMPRESSED AIR SINGLE OUTLET DETAIL**

SCALE: NTS

A3



**COMPRESSED AIR DUAL OUTLET DETAIL**

SCALE: NTS

A4

PLOTTED: 8/2/2021 5:08:16 PM

FILE NAME: BIM 360://HF PACKAGE 3P1527.LOG.COM.CSP-1639600.PLT

SYMBOL	DESCRIPTION	DATE	APPROVED
<b>PRELIMINARY</b> NOT FOR CONSTRUCTION			
<b>Michael Baker International</b> 100 AIRSIDE DRIVE MOON TOWNSHIP, PA 15108 APPROVED			
FOR COMMANDER NAVFAC ACTIVITY MARINE CORPS BASE CAMP LEJEUNE			
SATISFACTORY TO DATE DD/MM/YY DES SKH   DRW JTP   CHK DWH			
BRANCH HEAD DESIGN DIRECTOR FIRE PROTECTION			
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ATLANTIC ATLANTIC DESIGN AND CONSTRUCTION MCB CAMP LEJEUNE		JACKSONVILLE, NC LOGCOM CSP WAREHOUSE PLUMBING - DETAILS	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ATLANTIC DESIGN AND CONSTRUCTION MCB CAMP LEJEUNE			
SCALE:	AS NOTED		
EPROJECT NO.:	1639600		
CONSTR. CONTR. NO.:	N40085-20-C-0059		
NAVFAC DRAWING NO.:			
SHEET	OF		
<b>P-502</b>			

P1527 PREFINAL SUBMISSION - 08/06/2021

UNCLASSIFIED

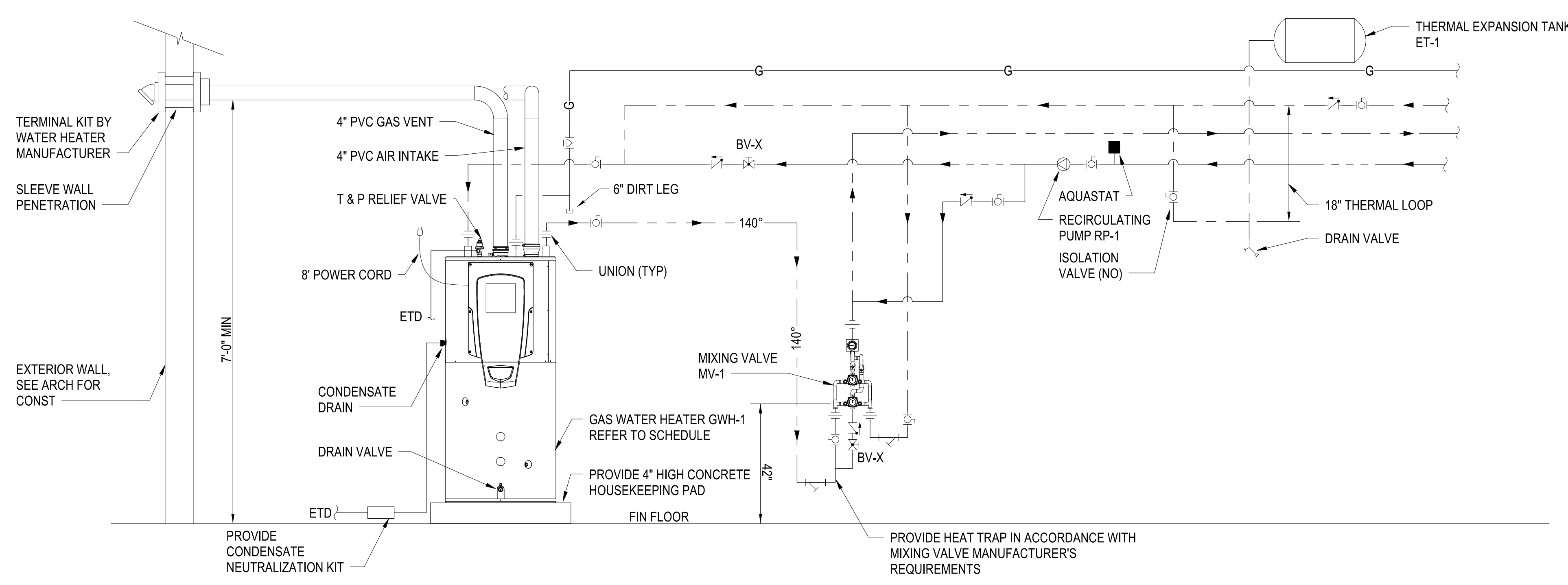


D

C

B

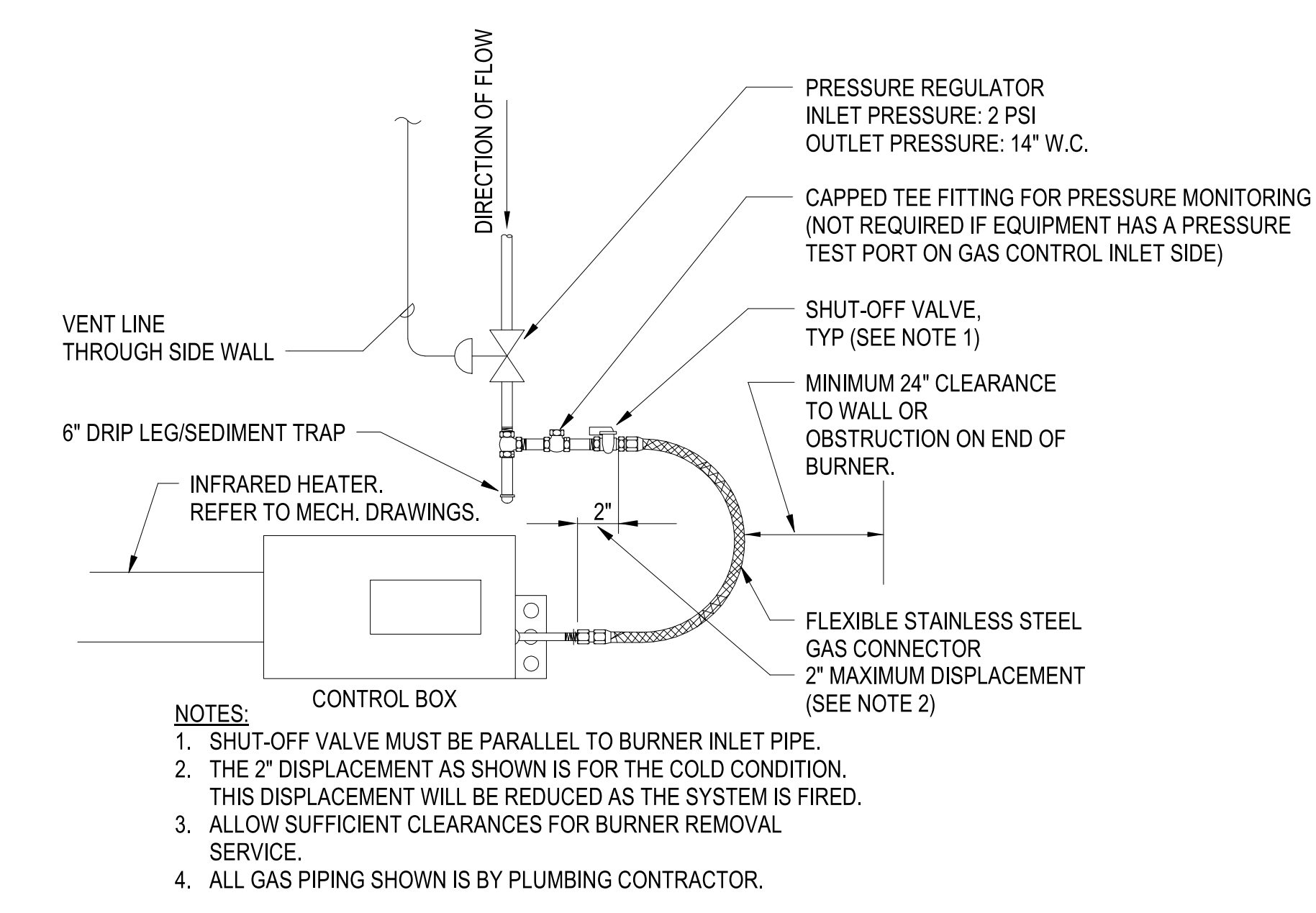
A



**GAS WATER HEATER DETAIL**

SCALE: NTS

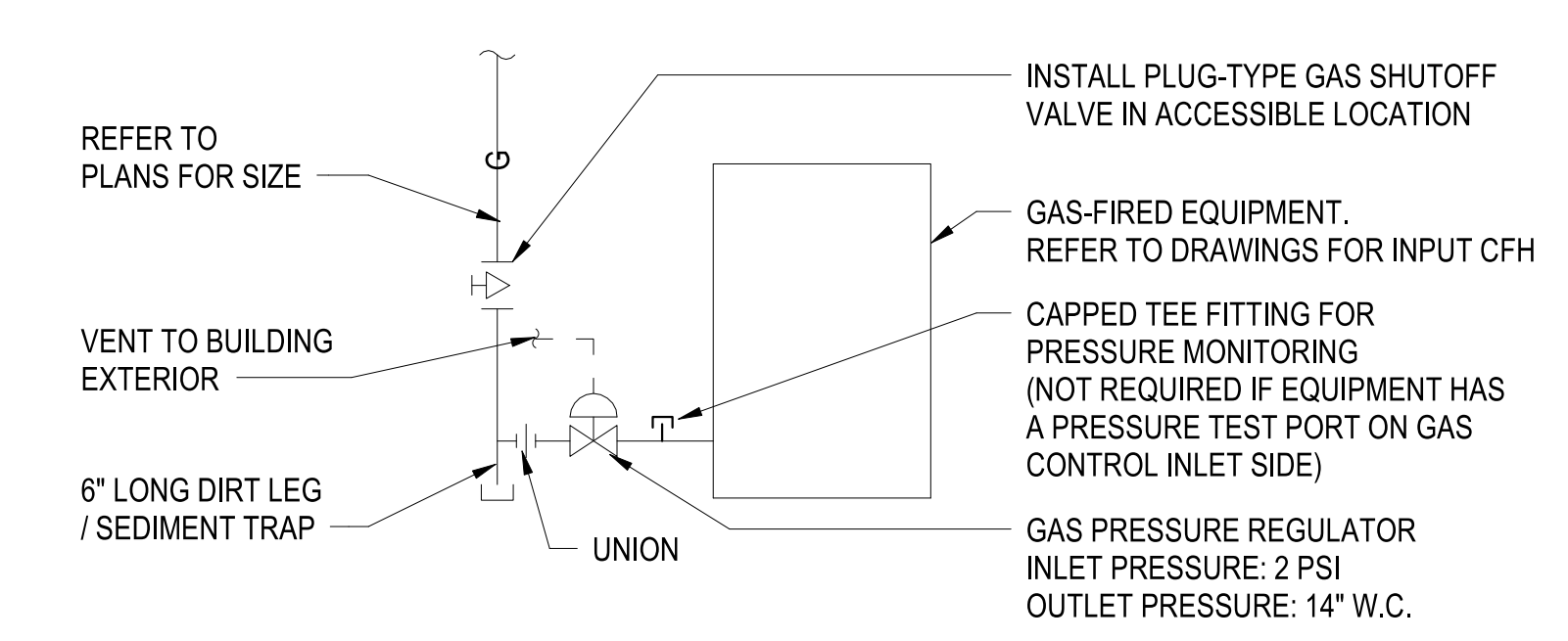
C2



**GAS CONNECTION FOR INFRARED HEATER DETAIL**

SCALE: NTS

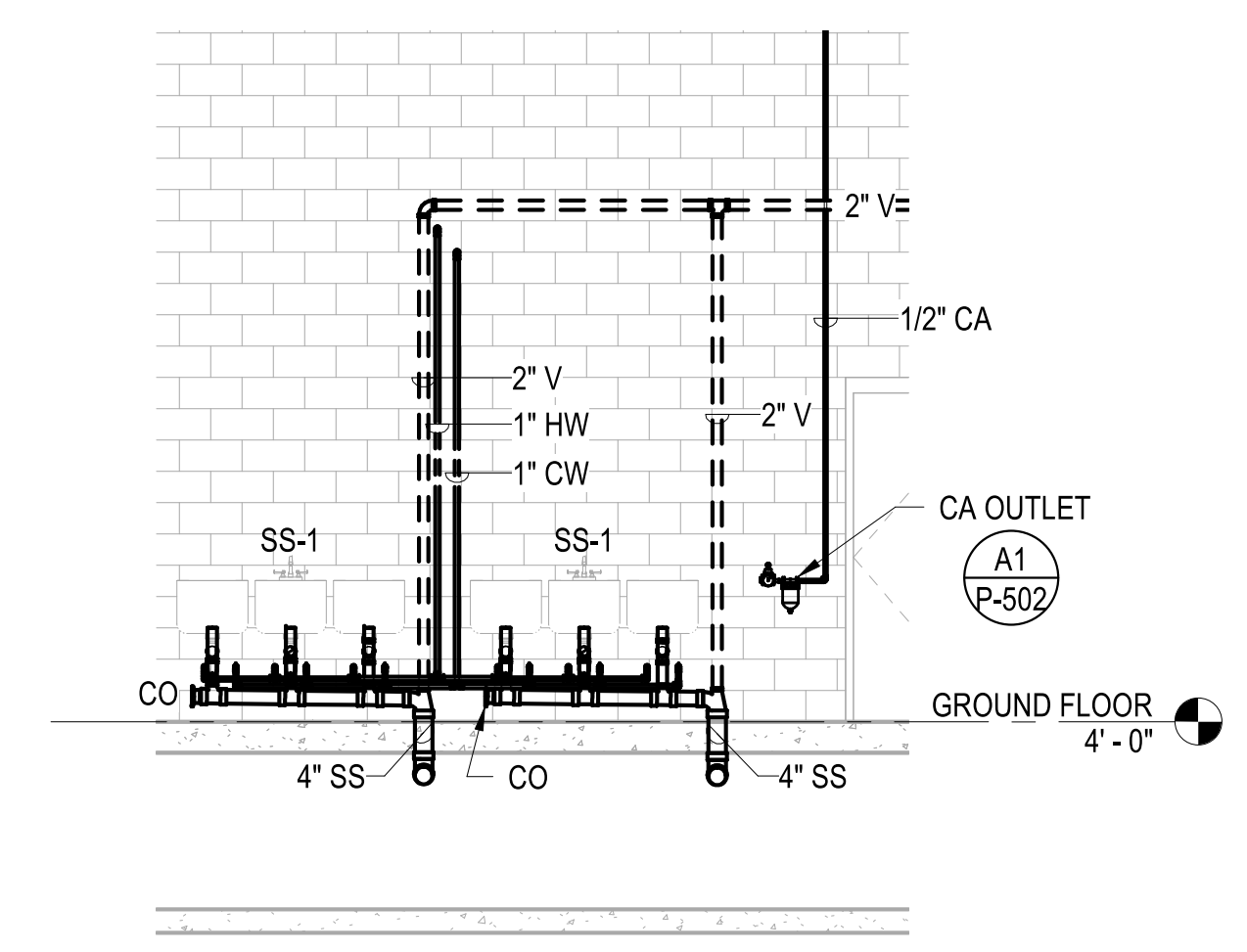
A1



**GAS CONNECTION FOR STANDARD EQUIPMENT DETAIL**

SCALE: NTS

A2



**SANITATION ROOM SINKS DETAIL**

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

A4

APPROVED	DATE	APPR
SYMBOL	DESCRIPTION	SYM
<b>PRELIMINARY</b> NOT FOR CONSTRUCTION		
<b>Michael Baker INTERNATIONAL</b> 100 AIRSIDE DRIVE MOON TOWNSHIP, PA 15108 APPROVED		
FOR COMMANDER NAVFAC ACTIVITY <b>MARINE CORPS BASE CAMP LEJEUNE</b> SATISFACTORY TO DATE DD/MM/YYYY DES SKH   DRW JTP   CHK DWH PM BRANCH HEAD DESIGN DIRECTOR FIRE PROTECTION JACKSONVILLE, NC		
<b>LOGCOM CSP WAREHOUSE</b> PLUMBING - DETAILS		
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ATLANTIC DESIGN AND CONSTRUCTION MCB CAMP LEJEUNE		
SCALE:	AS NOTED	
EPROJCT NO.:	1639600	
CONSTR. CONTR. NO.:	N40085-20-C-0059	
NAVFAC DRAWING NO.:		
SHEET	OF	
<b>P-503</b>		

FILE NAME: BIM 360/HF PACKAGE 3P1527.LOG.COM.CSP-1639600.PLT

PLOTTED: 8/22/2021 5:08:18 PM

P-1527 PREFINAL SUBMISSION - 08/06/2021

UNCLASSIFIED



COMPRESSED AIR EQUIPMENT SCHEDULE

TAG	DESCRIPTION	TYPE	LOCATION	TANK CAPACITY (GAL)	RATED CAPACITY (CFM)	OUTLET PRESSURE (PSI)	DIMENSIONS W x D x H (IN)	ELECTRICAL						APPROXIMATE WEIGHT (LBS)	BASIS OF DESIGN		NOTES
								HP	AMPS	VOLTS	PHASE	HERTZ	RPM		MANUF	MODEL	
AC-1	AIR COMPRESSOR	ROTARY SCREW	MECHANICAL 120	132.0	122	125.0	33 x 74 x 72	25.0	-	460.0	3.0	60.0	-	750.0	ATLAS COPCO	GA18-125	1,2
AC-2	AIR COMPRESSOR	ROTARY SCREW	MECHANICAL 120	132.0	122	125.0	33 x 74 x 72	25.0	-	460.0	3.0	60.0	-	750.0	ATLAS COPCO	GA18-125	1,2

NOTES: 1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.  
2. PROVIDE VIBRATION ISOLATION ON PIPING AND EQUIPMENT MOUNTING.

8/2/2021 16:32

D

C

B

A

D

C

B

A



**PRELIMINARY**  
NOT FOR CONSTRUCTION



**Michael Baker**  
INTERNATIONAL  
100 AIRSIDE DRIVE  
MOON TOWNSHIP, PA 15108

FOR COMMANDER NAVFAC  
ACTIVITY  
MARINE CORPS BASE  
CAMP LEJEUNE  
SATISFACTORY TO DATE DD/MM/YY  
DES SKH | DRW JTP | CHK DWH  
PM  
BRANCH HEAD  
DESIGN DIRECTOR  
FIRE PROTECTION

DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND  
ATLANTIC DESIGN AND CONSTRUCTION  
NAVFAC JACKSONVILLE, NC  
NAVFAC JACKSONVILLE, NC  
LOGCOM CSP WAREHOUSE  
PLUMBING - SCHEDULES

SCALE: AS NOTED  
PROJECT NO.: 1639600  
CONSTR. CONTR. NO.: N40085-20-C-0059  
NAVFAC DRAWING NO.:  
SHEET OF  
**P-602**

FILE NAME: BIM 360/HF PACKAGE 3P1527 LOG COM CSP-1639600.P4  
PLOTTED: 8/2/2021 5:08:21 PM

1

2

3

4

5

D

C

B

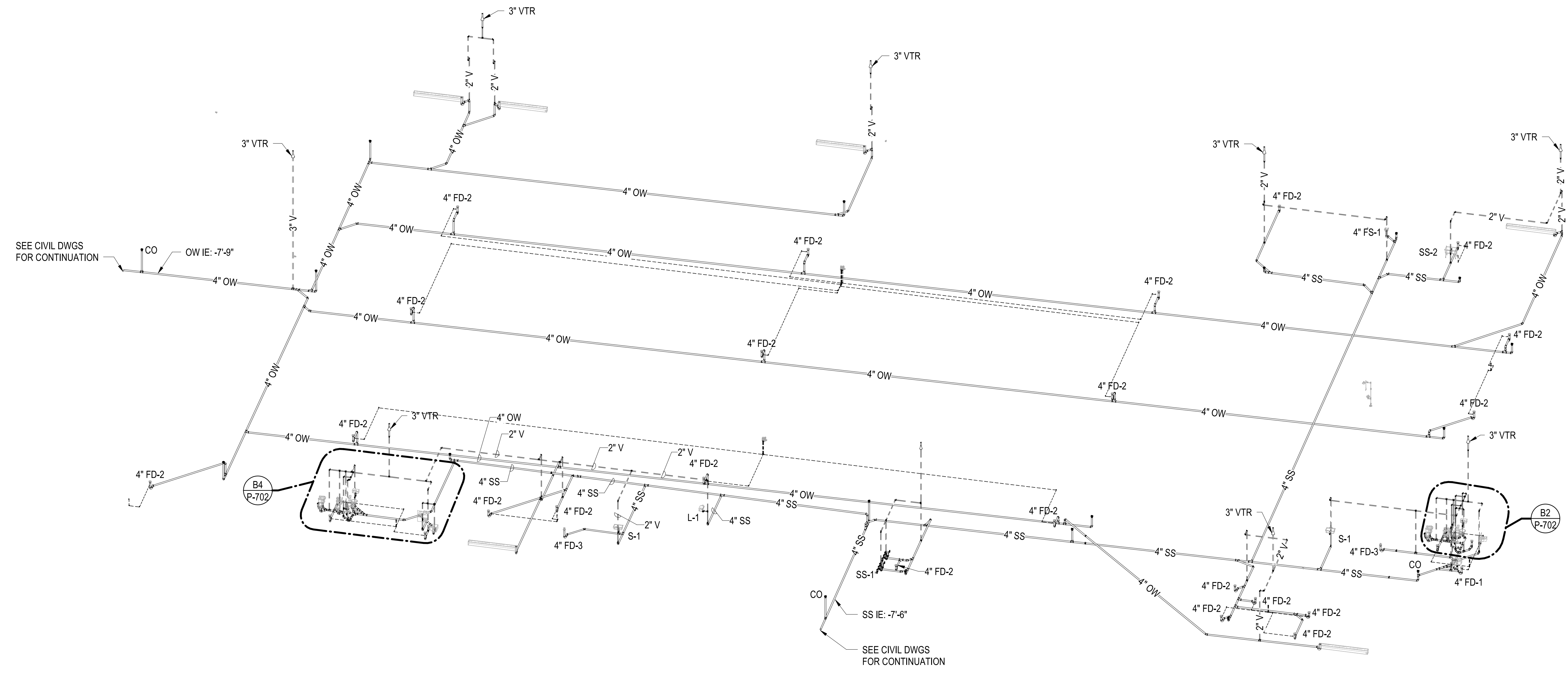
A

D

C

B

A





OVERALL SANITARY & VENT/OILY WASTE RISER DIAGRAM

SCALE:

A1

FILE NAME: BIM 360/HF PACKAGE 3/P1527 LOG COM CSP-1639600.PLT  
PLOTTED: 8/22/2021 5:08:24 PM

APPROVED	DATE	DESCRIPTION	SYMBOL
			
<b>PRELIMINARY</b> NOT FOR CONSTRUCTION			
			
<b>Michael Baker INTERNATIONAL</b> 100 AIRSIDE DRIVE MOON TOWNSHIP, PA 15108 APPROVED			
FOR COMMANDER NAVFAC			
ACTIVITY			
MARINE CORPS BASE CAMP LEJEUNE			
SATISFACTORY TO DATE DD/MM/YYYY			
DES SKH	DRW JTP	CHK DWH	PM
BRANCH HEAD			
DESIGN DIRECTOR			
FIRE PROTECTION			
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ATLANTIC DESIGN AND CONSTRUCTION MCB CAMP LEJEUNE JACKSONVILLE, NC			
<b>LOGCOM CSP WAREHOUSE</b> <b>PLUMBING - RISER DIAGRAMS</b>			
SCALE:	AS NOTED		
PROJECT NO.:	1639600		
CONSTR. CONTR. NO.:	N40085-20-C-0059		
NAVFAC DRAWING NO.:			
SHEET	OF		
<b>P-701</b>			

1

2

3

4

5

1

2

3

4

5

D

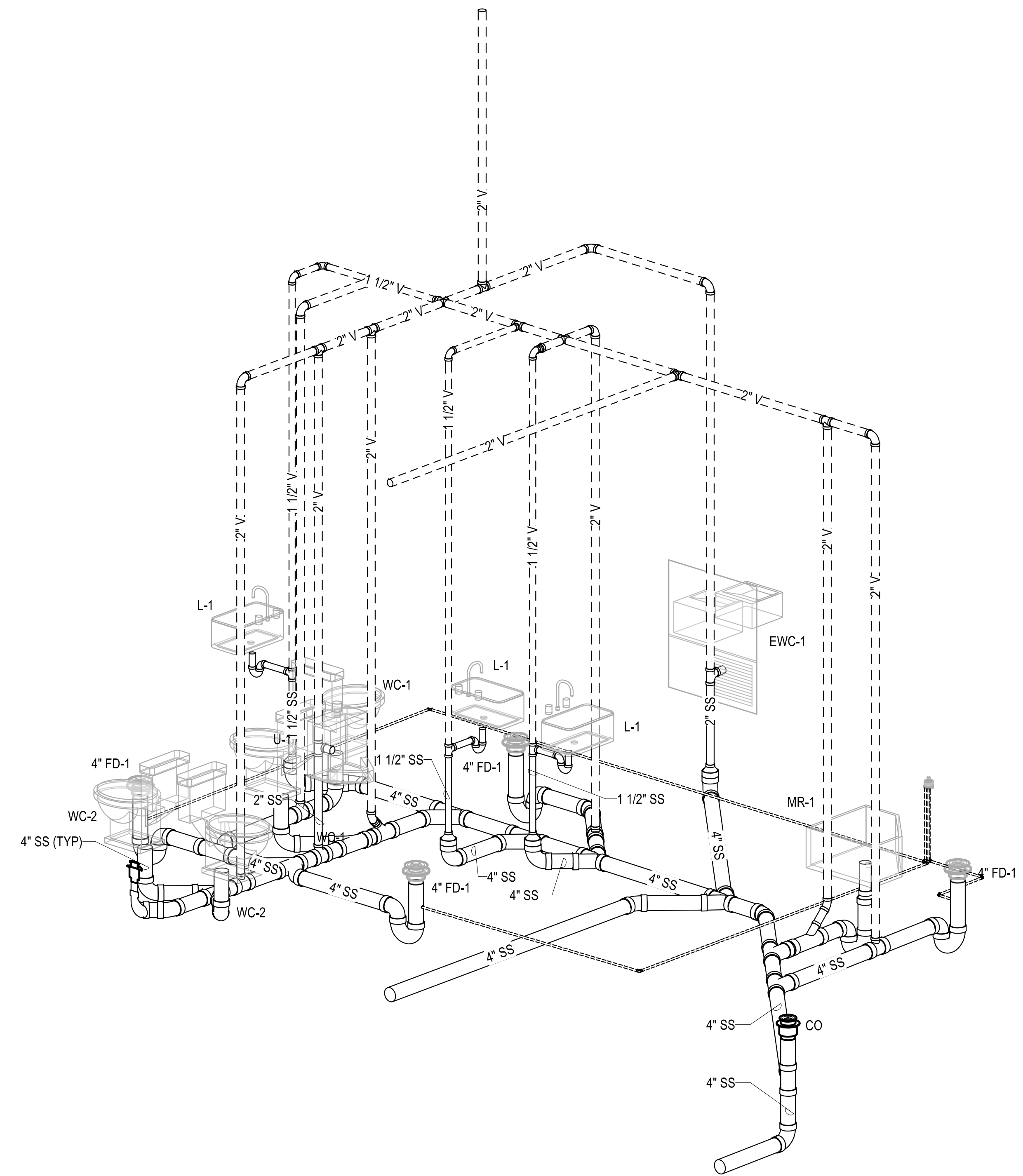
C

B

A

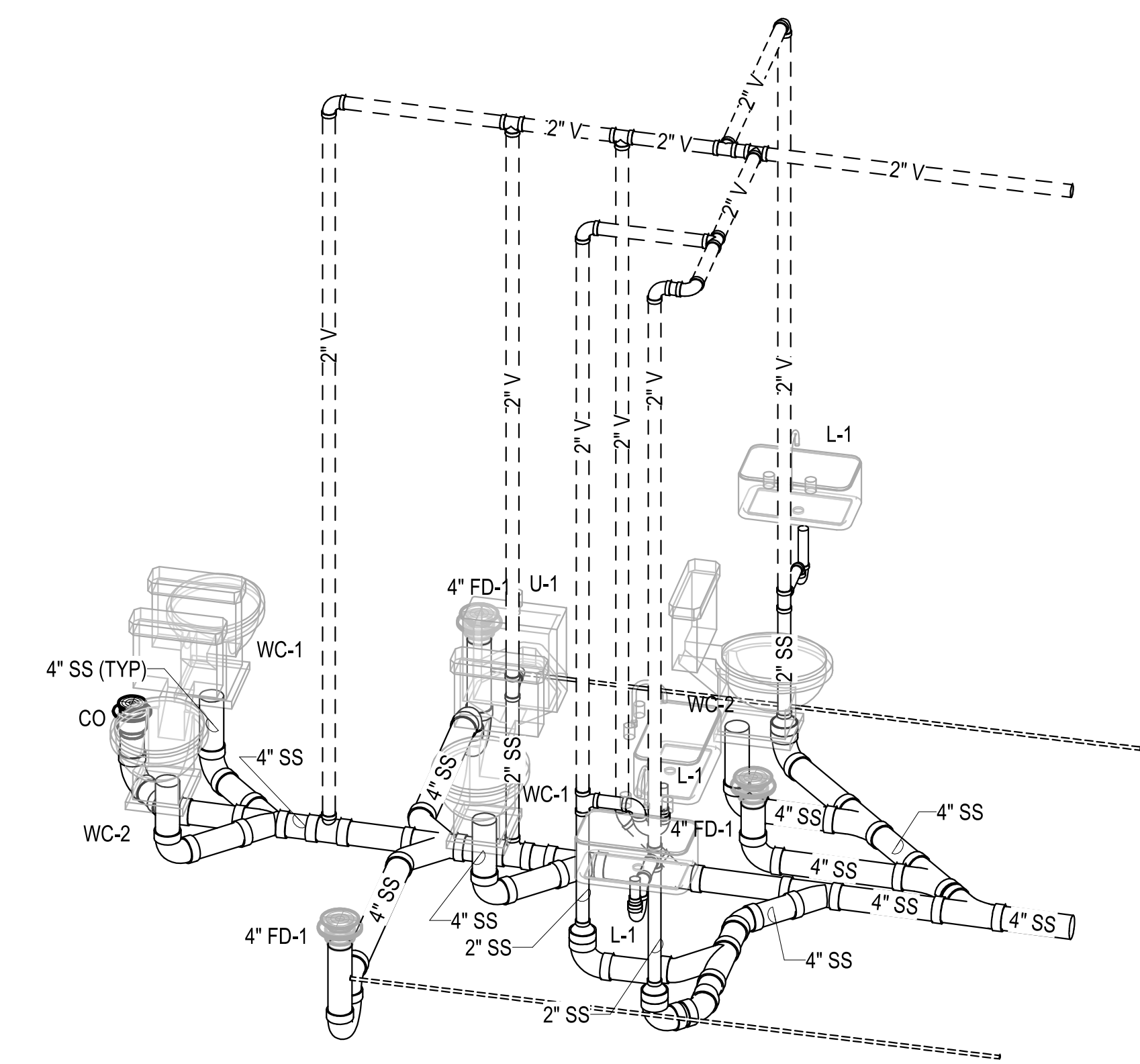
FILE NAME: BIM 360/HF PACKAGE 3P1527 LOG.COM CSP-1639604.PLT  
PLOTTED: 8/22/2021 5:08:26 PM

DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND  
ATLANTIC DESIGN AND CONSTRUCTION  
MCB CAMP LEJEUNE





**G020/022 SANITARY & VENT RISER DIAGRAM**  
SCALE: NTS

B2



**G010/012 SANITARY & VENT RISER DIAGRAM**  
SCALE: NTS

B4

SYMBOL	DESCRIPTION	DATE	APPROVED
 <b>PRELIMINARY</b> NOT FOR CONSTRUCTION			
 <b>Michael Baker INTERNATIONAL</b> 100 AIRSIDE DRIVE MOON TOWNSHIP, PA 15108 APPROVED: _____			
FOR COMMANDER NAVFAC			
ACTIVITY: MARINE CORPS BASE CAMP LEJEUNE			
SATISFACTORY TO DATE: DD/MM/YY			
DES SKH	DRW JTP	CHK DWH	PM
BRANCH HEAD:			
DESIGN DIRECTOR:			
FIRE PROTECTION:			
NAVFAC DRAWING NO.:			
SHEET _____ OF _____			
<b>P-702</b>			

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND  
 JACKSONVILLE, NC  
 LOGCOM CSP WAREHOUSE  
 PLUMBING - RISER DIAGRAMS

SCALE: AS NOTED  
 EPROJECT NO.: 1639600  
 CONSTR. CONTR. NO.: N40085-20-C-0059  
 NAVFAC DRAWING NO.:  
 SHEET \_\_\_\_\_ OF \_\_\_\_\_

P1527 PREFINAL SUBMISSION - 08/06/2021

1

2

3

4

5

D

D

C

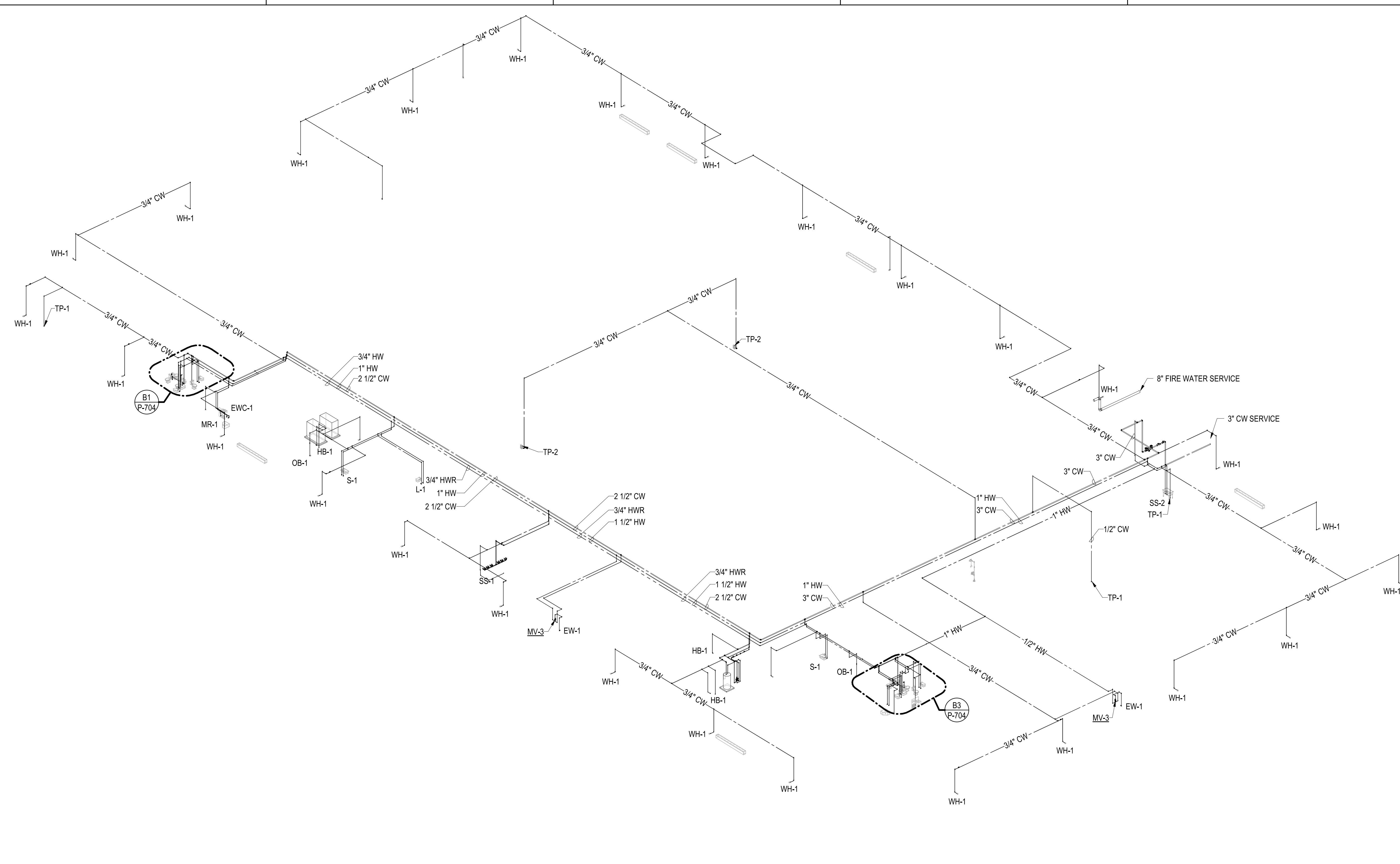
C

B

B

A

A



OVERALL WATER RISER DIAGRAM

SCALE:

A1

FILE NAME: BIM 360/HF PACKAGE 3/P1527 LOG COM CSP-1639600.PLT  
PLOTTED: 8/2/2021 5:08:28 PM

DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND  
ATLANTIC DESIGN AND CONSTRUCTION  
MCB CAMP LEJEUNE

SYMBOL	DESCRIPTION	DATE	APPROVED



**PRELIMINARY**  
NOT FOR CONSTRUCTION



FOR COMMANDER NAVFAC  
ACTIVITY  
MARINE CORPS BASE  
CAMP LEJEUNE  
SATISFACTORY TO DATE DD/MM/YY  
DES SKH | DRW JTP | CHK DWH  
PM  
BRANCH HEAD  
DESIGN DIRECTOR  
FIRE PROTECTION

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND  
ATLANTIC DESIGN AND CONSTRUCTION  
MCB CAMP LEJEUNE  
JACKSONVILLE, NC  
LOGCOM CSP WAREHOUSE  
PLUMBING - RISER DIAGRAMS

SCALE:	AS NOTED
PROJECT NO.:	1639600
CONSTR. CONTR. NO.:	N40085-20-C-0059
NAVFAC DRAWING NO.:	
SHEET	OF

P-703

P1527 PREFINAL SUBMISSION - 08/06/2021

1

2

3

4

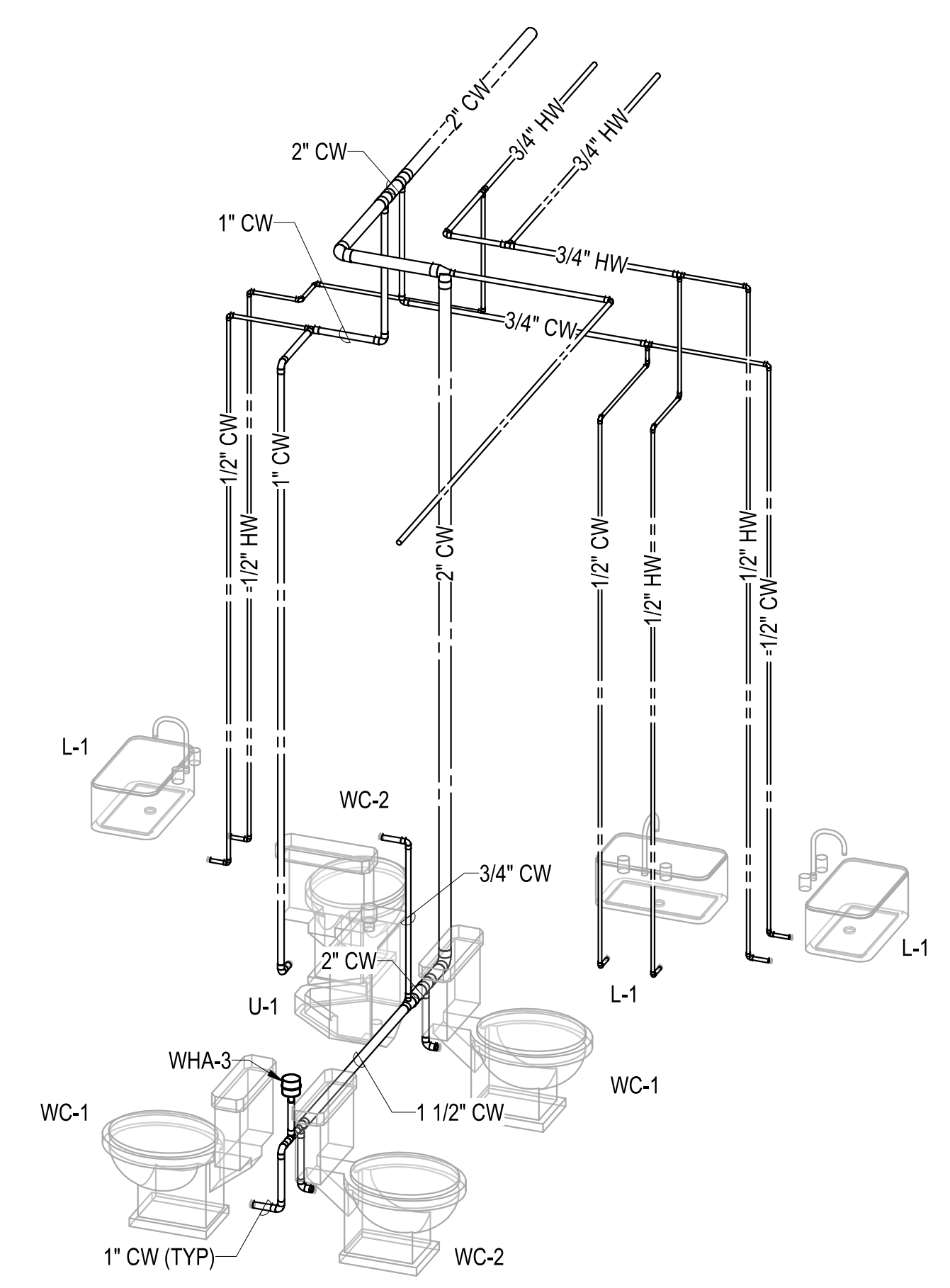
5

D

C

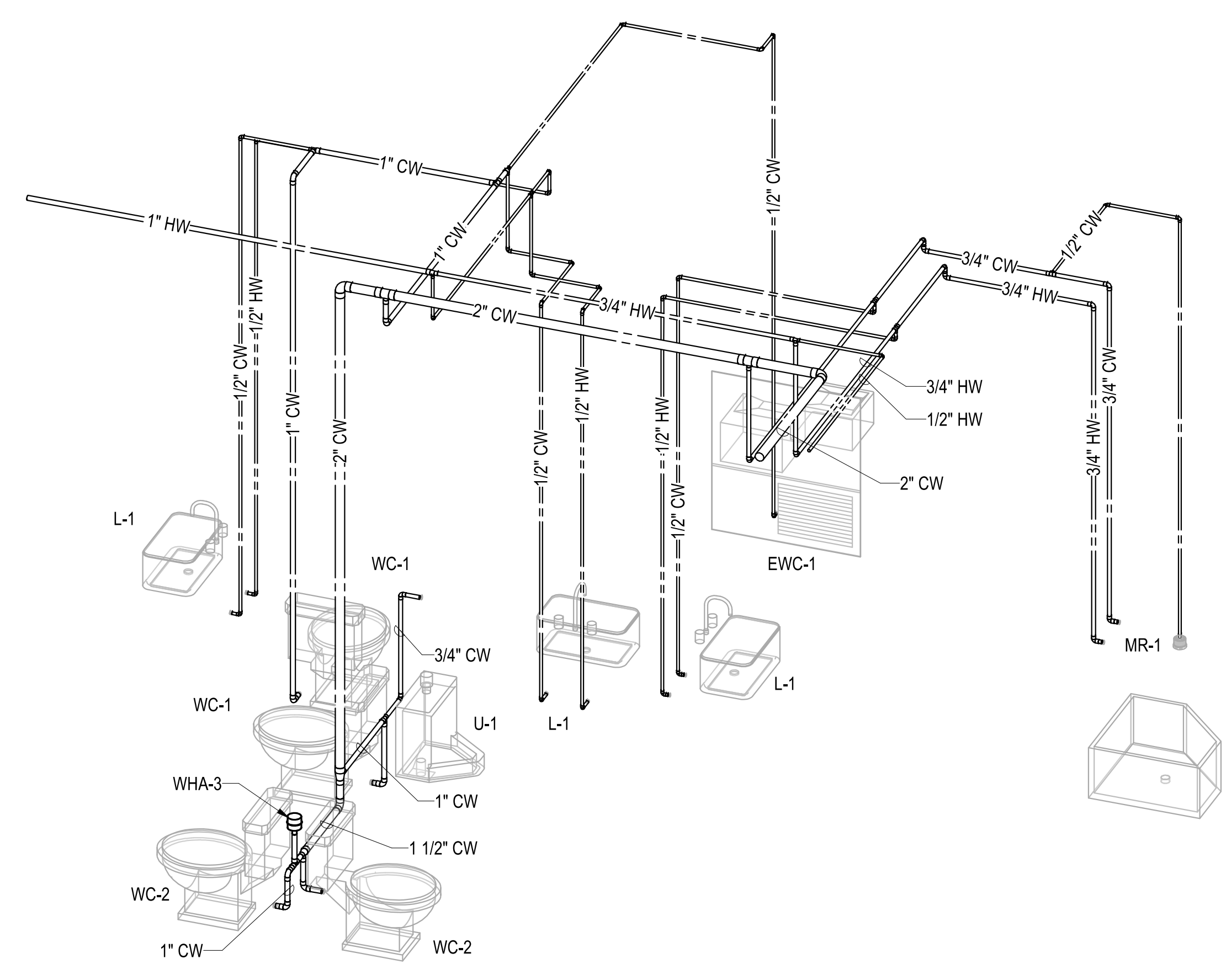
B

A



**G010/012 WATER RISER DIAGRAM**  
SCALE: NTS

B1





**G020/022 WATER RISER DIAGRAM**  
SCALE: NTS

B3

FILE NAME: BIM 360/HF PACKAGE 3P1527 LOG COM CSP-1639600.P4

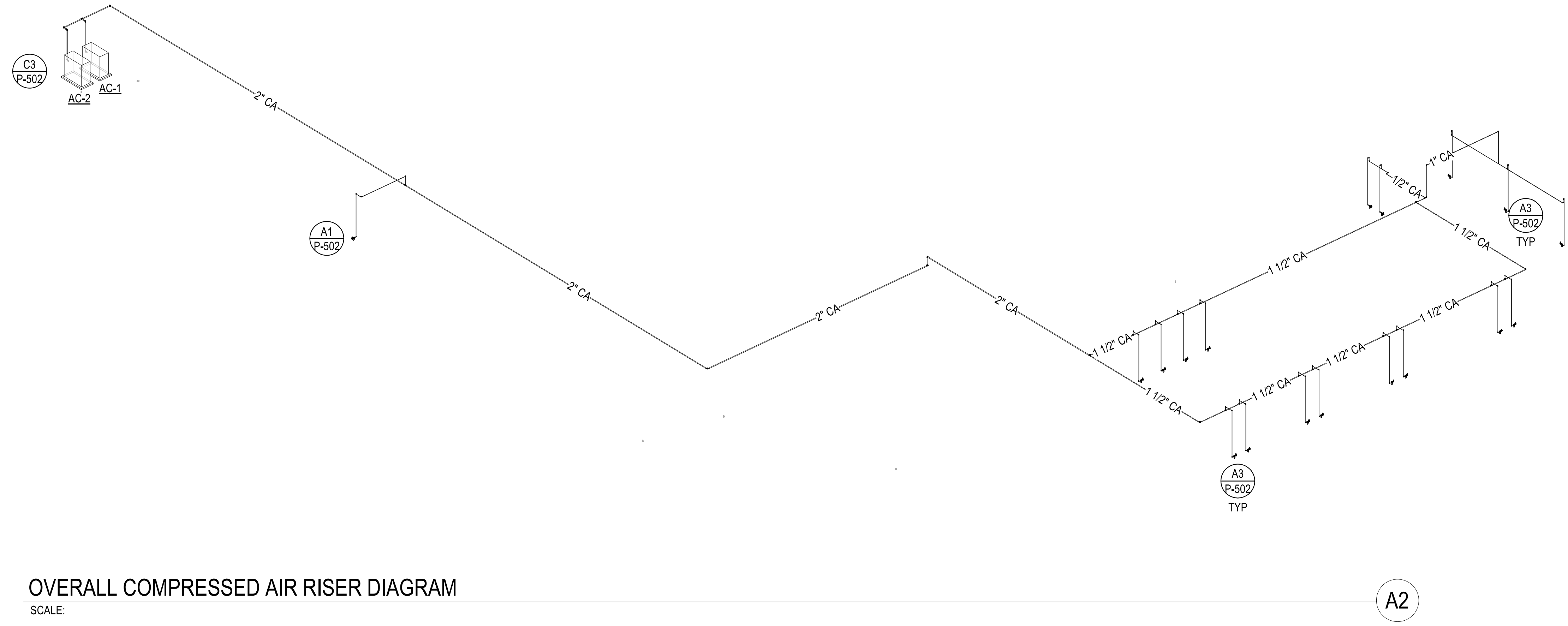
PLOTTED: 8/2/2021 5:08:30 PM

SYMBOL	DESCRIPTION	DATE	APPROVED
			
<p><b>PRELIMINARY</b> NOT FOR CONSTRUCTION</p>			
			
<p><b>Michael Baker INTERNATIONAL</b> 100 AIRSIDE DRIVE MOON TOWNSHIP, PA 15108 APPROVED</p>			
FOR COMMANDER NAVFAC			
ACTIVITY			
MARINE CORPS BASE CAMP LEJEUNE			
SATISFACTORY TO DATE DD/MM/YY			
DES SKH	DRW JTP	CHK DWH	PM
BRANCH HEAD			
DESIGN DIRECTOR			
FIRE PROTECTION			
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ATLANTIC DESIGN AND CONSTRUCTION MCB CAMP LEJEUNE JACKSONVILLE, NC			
<b>LOGCOM CSP WAREHOUSE</b> <b>PLUMBING - RISER DIAGRAMS</b>			
SCALE:	AS NOTED		
PROJECT NO.:	1639600		
CONSTR. CONTR. NO.:	N40085-20-C-0059		
NAVFAC DRAWING NO.:			
SHEET	OF		
<b>P-704</b>			

P1527 PREFINAL SUBMISSION - 08/06/2021



1 2 3 4 5

D  
C  
B  
A



**OVERALL COMPRESSED AIR RISER DIAGRAM**  
SCALE:

FILE NAME: BIM 360/HF PACKAGE 3/P1527 LOG COM CSP-1639600.P4  
PLOTTED: 8/2/2021 5:08:31 PM

SYMBOL	DESCRIPTION	DATE	APPROVED
 <b>PRELIMINARY</b> NOT FOR CONSTRUCTION			
 <b>Michael Baker INTERNATIONAL</b> 100 AIRSIDE DRIVE MOON TOWNSHIP, PA 15108 APPROVED			
FOR COMMANDER NAVFAC			
ACTIVITY			
MARINE CORPS BASE CAMP LEJEUNE			
SATISFACTORY TO DATE DD/MM/YY			
DES SKH	DRW JTP	CHK DWH	PM
BRANCH HEAD			
DESIGN DIRECTOR			
FIRE PROTECTION			
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ATLANTIC DESIGN AND CONSTRUCTION MCB CAMP LEJEUNE JACKSONVILLE, NC LOGCOM CSP WAREHOUSE PLUMBING - RISER DIAGRAMS			
SCALE:	AS NOTED		
PROJECT NO.:	1639600		
CONSTR. CONTR. NO.:	N40085-20-C-0059		
NAVFAC DRAWING NO.:			
SHEET	OF		
<b>P-705</b>			

D  
C  
B  
A

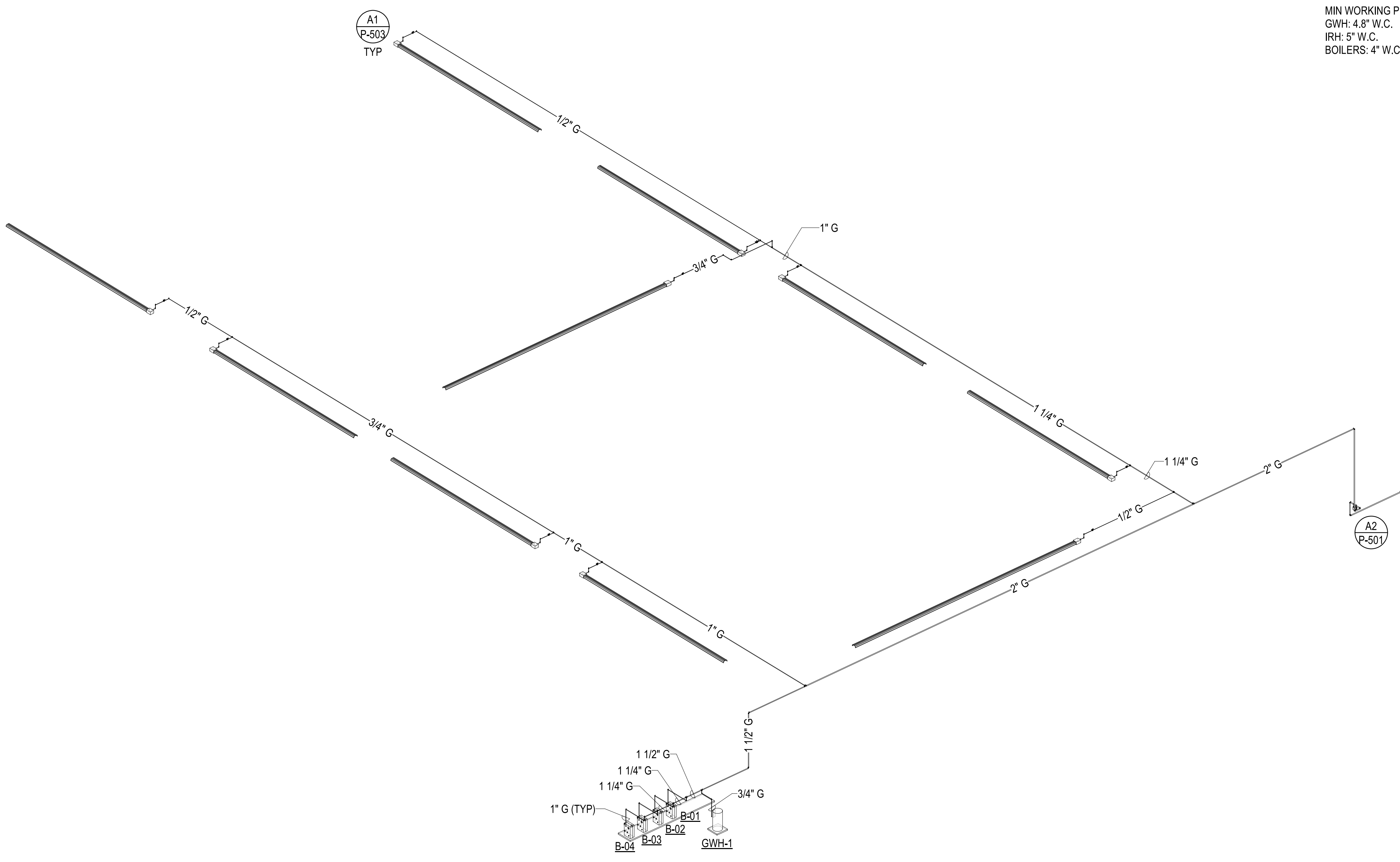
1 2 3 4 5



1 2 3 4 5

D  
C  
B  
A

FILE NAME: BIM 360/HIF PACKAGE 3/P1527 LOG.COM CSP-1639600.P4  
PLOTTED: 8/2/2021 5:08:32 PM



DESIGN INFORMATION:  
 SYSTEM PRESSURE: 2 PSI REGULATED DOWN TO 14" W.C. AT EACH PIECE OF EQUIPMENT

LONGEST RUN: 450 FT





EQUIPMENT:  
 (1) GWH @ 199 MBH: 199 MBH  
 (4) BOILERS @ 399 MBH: 1596 MBH  
 (8) IRH @ 150 MBH: 1200 MBH  
 (2) IRH @ 205 MBH: 410 MBH  
 TOTAL LOAD: 3405 MBH

MIN WORKING PRESSURES:  
 GWH: 4.8" W.C.  
 IRH: 5" W.C.  
 BOILERS: 4" W.C.

OVERALL NATURAL GAS RISER DIAGRAM  
 SCALE:

A1

1 2 3 4 5  
UNCLASSIFIED

SYMBOL	DESCRIPTION	DATE	APPROVED
    100 AIRSIDE DRIVE MOON TOWNSHIP, PA 15108 APPROVED			
FOR COMMANDER NAVFAC			
ACTIVITY MARINE CORPS BASE CAMP LEJEUNE			
SATISFACTORY TO DATE DD/MM/YY			
DES SKH	DRW JTP	CHK DWH	PM
BRANCH HEAD			
DESIGN DIRECTOR			
FIRE PROTECTION			
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ATLANTIC ATLANTIC DESIGN AND CONSTRUCTION MCB CAMP LEJEUNE JACKSONVILLE, NC LOGCOM CSP WAREHOUSE PLUMBING - RISER DIAGRAMS			
SCALE: AS NOTED		PROJECT NO.: 1639600	
CONSTR. CONTR. NO. N40085-20-C-0059		NAVFAC DRAWING NO.	
SHEET OF		P-706	