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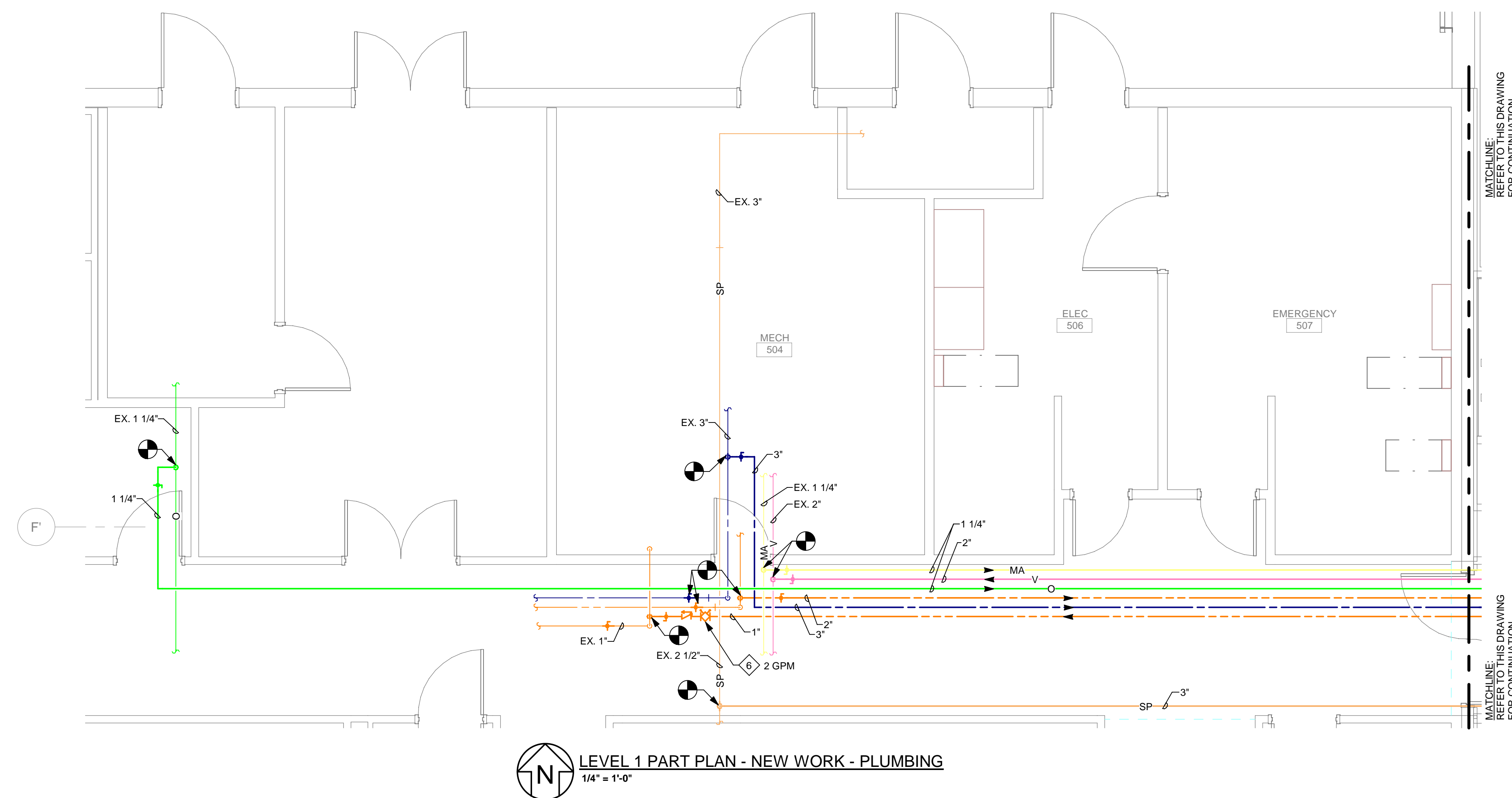
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17/20/2023 5:16:57 PM

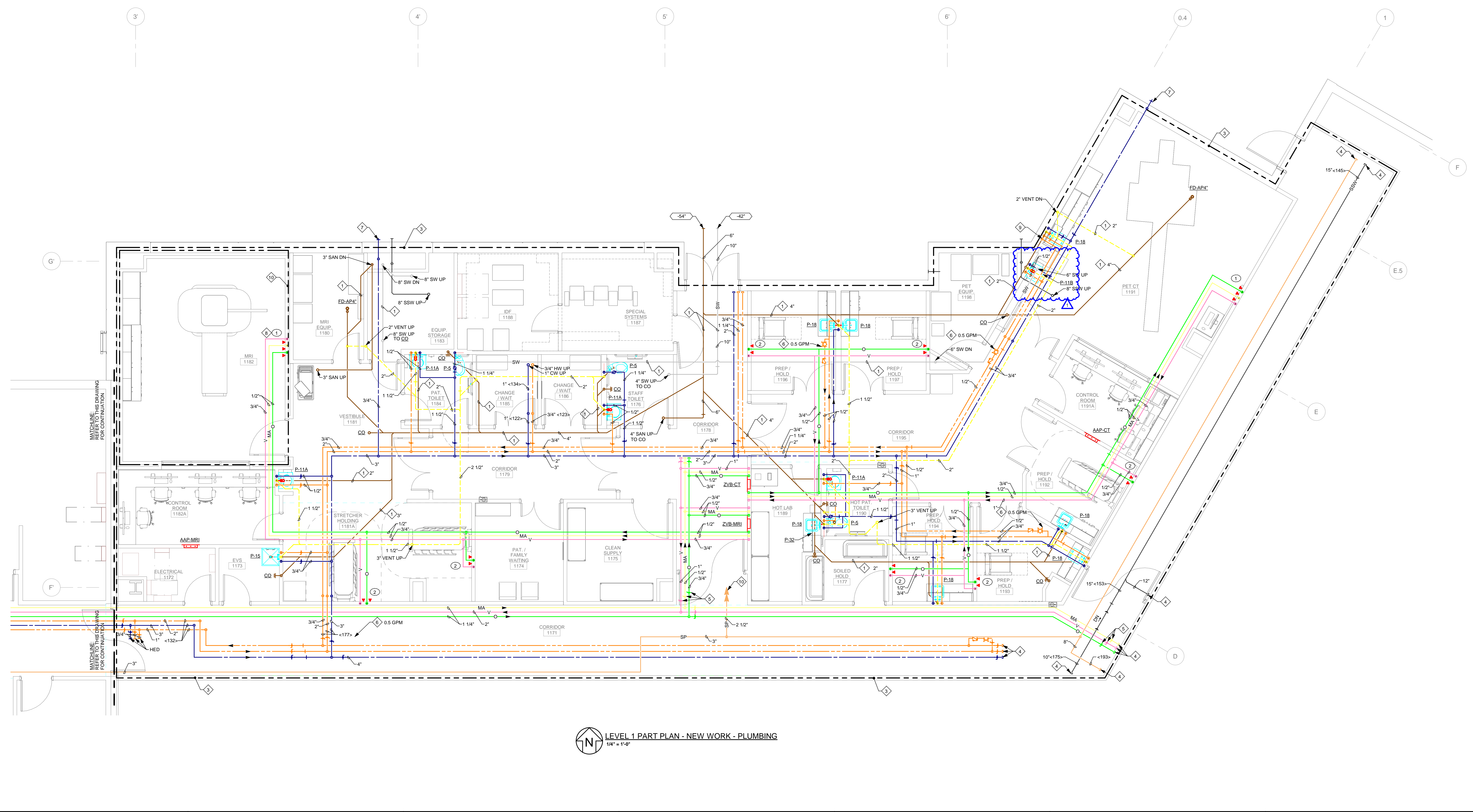


LEVEL 1 PART PLAN - NEW WORK - PLUMBING
1/4" = 1'-0"

- GENERAL NOTES:**
- A. ALL DUCTWORK AND FITTINGS INSIDE THE RF SHIELD SHALL BE CONSTRUCTED OF NON-FERROUS MATERIALS.
- DRAWING NOTES:**
1. PIPING LOCATED BELOW SLAB ON GRADE.
 2. EXTEND SPRINKLER BRANCH PIPING TO MRI BUILDING SPRINKLER ZONE. PROVIDE NEW SPRINKLER HEADS IN ALL AREAS TO PROVIDE PROPER SPRINKLER COVERAGE. LOCATIONS SHALL BE DESIGNED BY THE SPRINKLER CONTRACTOR IN ACCORDANCE WITH NFPA 13 AND THE OWNER'S INSURANCE CARRIER'S HAZARD OCCUPANCY REQUIREMENTS. COORDINATE HEAD LOCATIONS WITH EQUIPMENT, LIGHTING, FURNITURE, AND ALL OTHER TRADES. SPRINKLER HEADS SHALL BE LOCATED IN CENTER OF CEILING TILES. REFER TO THE SPECIFICATION FOR ADDITIONAL REQUIREMENTS.
 3. EXTENT OF MRI BUILDING SPRINKLER ZONE.
 4. CAP AND SEAL FOR FUTURE CONNECTION.
 5. PROVIDE MEDICAL GAS QUALITY LOCKABLE BALL VALVE FOR MEDICAL AIR PIPING. LOCK IN THE OPEN POSITION LABEL VALVE PER NFPA 99.
 6. BALANCE TO FLOW INDICATED.
 7. PROVIDE FREEZE PROOF HOSE BIB WITH INTEGRAL VACUUM BREAKER AND LOCKABLE COVER.
 8. PROVIDE WAVE GUIDE AT PENETRATION OF RF SHIELD. REFER TO DETAIL FOR ADDITIONAL INFORMATION.
 9. CONNECT DOMESTIC HOT WATER RECIRCULATION FOUR FEET FROM PLUMBING FIXTURE HOT WATER CONNECTION.
 10. SPRINKLER PIPING LOCATED WITHIN RF SHIELD IN THIS AREA SHALL BE COPPER. ALL SUPPORTS AND FITTINGS SHALL BE OF NON-FERROUS MATERIALS. HEADS SHALL BE NON-FERROUS, AND RATED FOR MRI DUTY.



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LEVEL 1 PART PLAN - NEW WORK - PLUMBING
1/4" = 1'-0"

NH Scotts Hill - PET CT / MRI
151 Scotts Hill Medical Drive Wilmington, NC 28411

LS3P PROJECT: 7401-198520

A	DATE	DESCRIPTION
1	2022.12.09	PERMIT SET
1	2023.07.21	CHSR COMMENTS

SHEET NAME:
LEVEL 1 PART PLAN -
NEW WORK -
PLUMBING

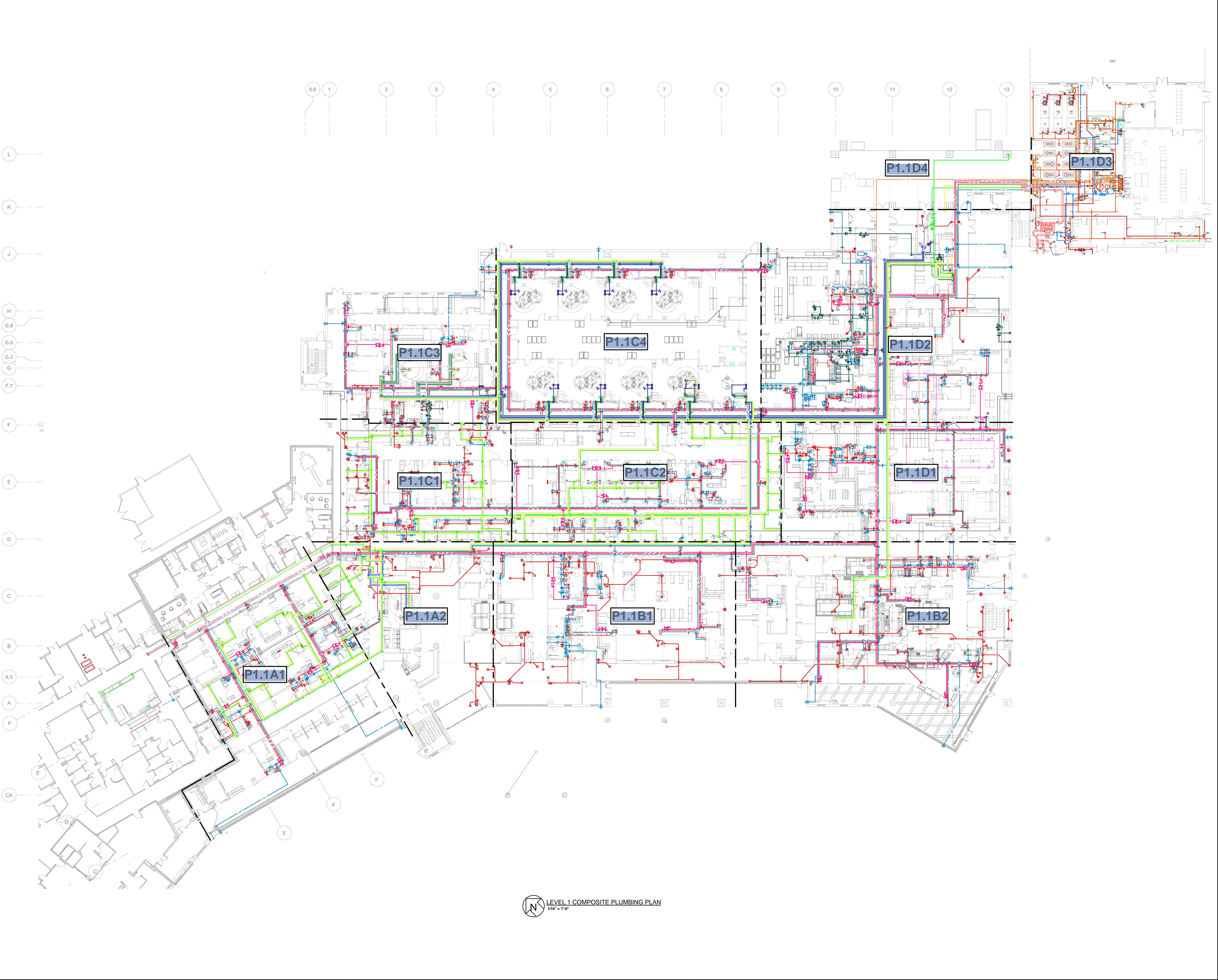
ORIG SUBMISSION: 2022.12.09

SHEET:
P1.01

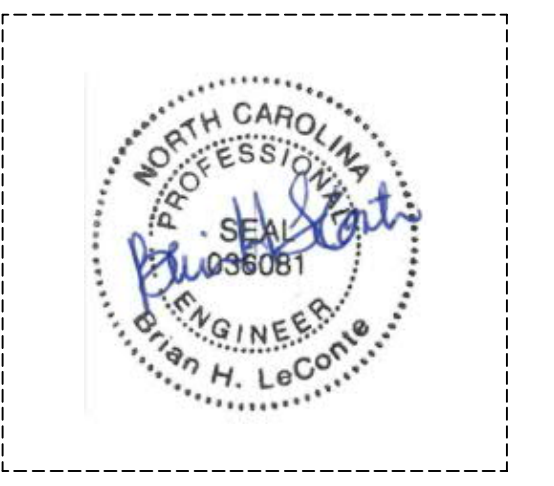
PERMIT SET

WSP PROJECT NO.: B2101351

12/24/2023 12:44:23 PM



LEVEL 1 COMPOSITE PLUMBING PLAN
1/8" = 1'-0"

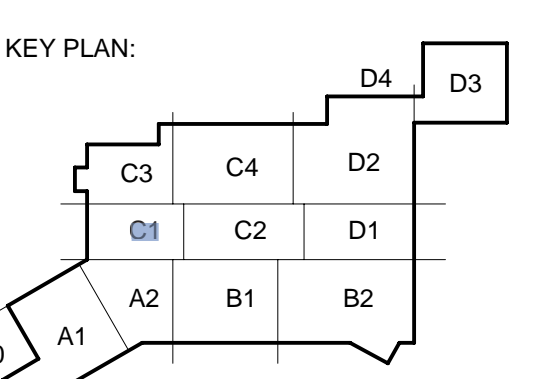


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NH-NHRMC Scotts Hill Medical Center
151 Scotts Hill Medical Drive Wilmington, NC 28411

LS3P PROJECT: 7401-198520

A	DATE	DESCRIPTION
A	2023.02.03	PERMIT SET
D	2023.01.25	IFC SET



SHEET NAME:
**LEVEL 1 COMPOSITE
PLUMBING PLAN**

ORIG: 2023.02.03
SUBMISSION:

SHEET:
P1.1

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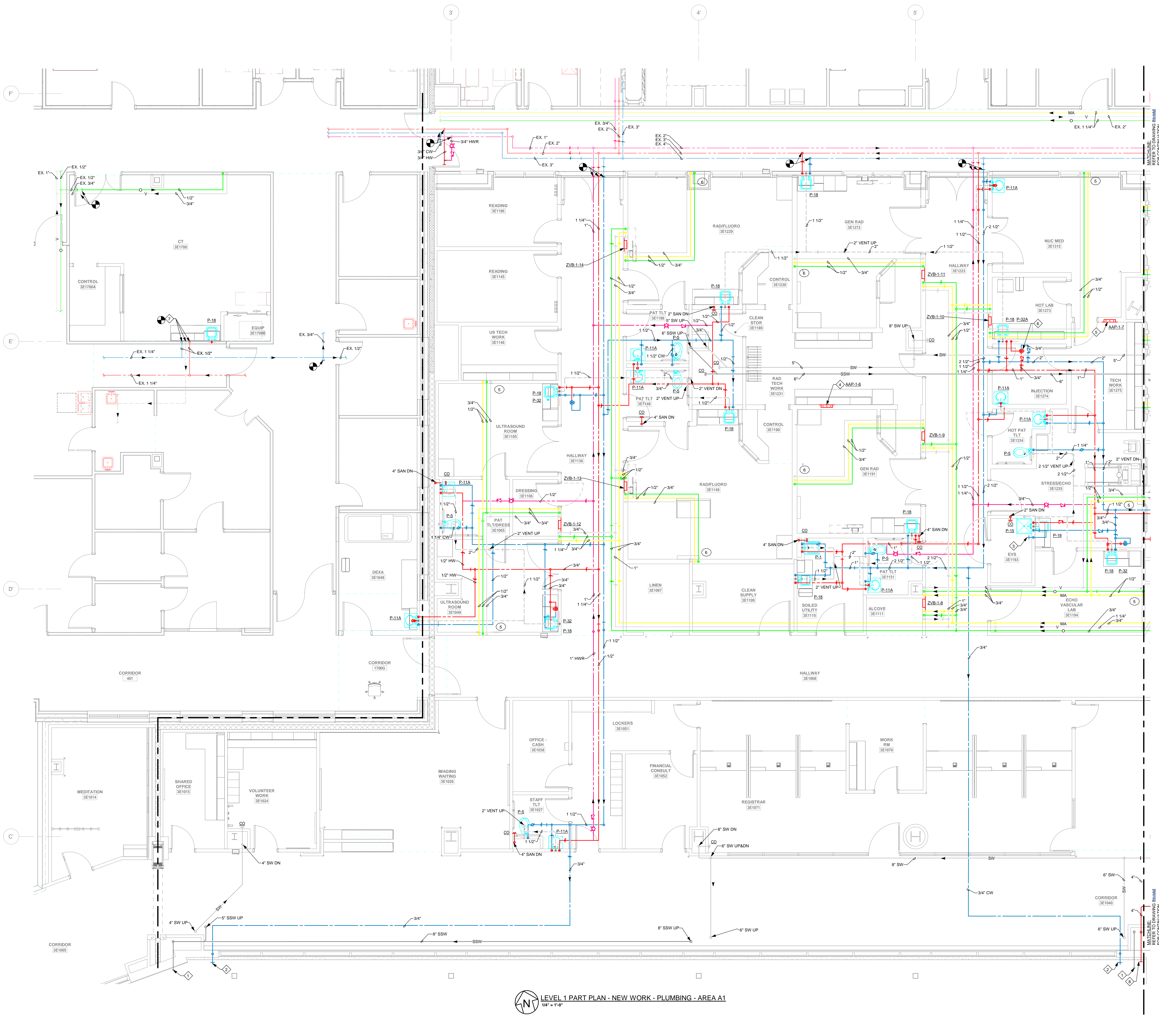
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- DRAWING NOTES**
1. PROVIDE DOWNSPOUT NOZZLE, JOSAM 25010 SERIES, OR APPROVED EQUAL. COORDINATE EXACT ELEVATION WITH CIVIL DRAWINGS. PROVIDE 24"x12" SPLASH BLOCK.
 2. PROVIDE FREEZE-PROOF HOSE BIB WITH LOCKABLE COVER IN EXTERIOR WALL.
 3. PROVIDE ASSE 1065-P HOSE BIB FOR CONNECTION TO DETERGENT DISPENSER.
 4. PROVIDE MEDICAL GAS AREA ALARM PANEL. CONNECT PRESSURE SENSORS TO MEDICAL GAS MAINS UPSTREAM OF ZONE VALVE BOX SHUTOFF VALVES.
 5. PROVIDE MEDICAL GAS AREA ALARM PANEL. CONNECT PRESSURE SENSORS TO MEDICAL GAS MAINS DOWNSTREAM OF ZONE VALVE BOX SHUTOFF VALVES.
 6. PROVIDE THERMOSTATIC VALVE FOR EYEWASH. MOUNT IN ACCESSIBLE LOCATION ABOVE CEILING. REFER TO PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL DETAILS.
 7. OFFSET AND EXTEND PIPING DROPS IN WALL TO NEW SINK. CONTRACTOR TO MAKE ALL FINAL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS.
 8. 4" ELEVATOR SUMP PUMP DISCHARGE WITH STAINLESS STEEL BUG SCREEN.

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101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NORTH CAROLINA 28401
TEL. 910.790.9991 FAX. 910.790.3111
WWW.LS3P.COM

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WSP USA Buildings Inc.
Formerly Leach Wallace Associates, Inc.
7087 Columbia Gateway Drive, Suite 250
Columbia, Maryland 21046
P. 410.579.8100

PROFESSIONAL ENGINEER
WILLIAM H. LACROIX

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NH-NHRMC Scotts Hill Medical Center
151 Scotts Hill Medical Drive Wilmington, NC 28411

LS3P PROJECT: 7401-198520

DATE	DESCRIPTION
2023.02.03	PERMIT SET
2023.04.25	IFC SET
2023.07.07	AS1.01
2023.07.28	AS1.02
2023.10.19	AS1.03 ROOM NUMBERS

KEY PLAN:

SHEET NAME:
LEVEL 1 PART PLAN -
NEW WORK -
PLUMBING - AREA A1

ORIG SUBMISSION: 2023.02.03

SHEET:
P1.1A1

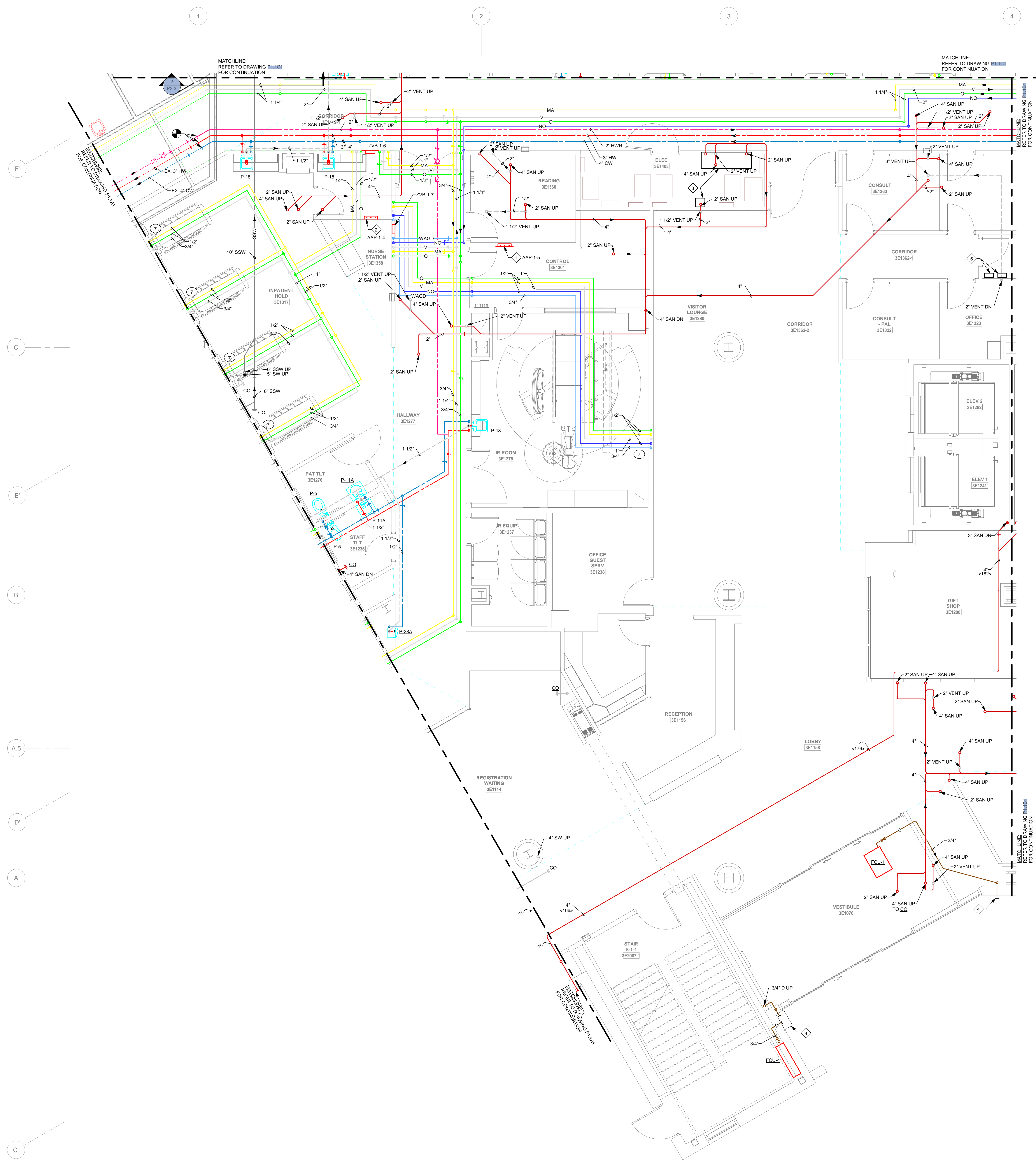
PERMIT SET

LEVEL 1 PART PLAN - NEW WORK - PLUMBING - AREA A1
1/4" = 1'-0"

10/18/2023 11:09:57 AM

WSP PROJECT NO.: B2101351.000

10/18/2023 11:09:47 AM



- DRAWING NOTES:**
1. PROVIDE MEDICAL GAS AREA ALARM PANEL. CONNECT PRESSURE SENSORS TO MEDICAL GAS MAINS DOWNSTREAM OF ZONE VALVE BOX. ZVB-1.8 SHUTOFF VALVES.
 2. PROVIDE MEDICAL GAS AREA ALARM PANEL. CONNECT PRESSURE SENSORS TO MEDICAL GAS MAINS DOWNSTREAM OF ZONE VALVE BOX. ZVB-1.2 SHUTOFF VALVES.
 3. PROVIDE GALVANIZED SHEET METAL DRIP PAN WITH 2" UPTURNED AND SEALED PERIMETER. EXTEND 1" DRAIN PIPING TO NEAREST FLOOR DRAIN OR MOP SINK.
 4. PROVIDE 24"x12" CONCRETE SPLASH BLOCK ON GRADE FOR CONDENSATE DRAIN DISCHARGE.
 5. ELEVATOR SUMP PUMP CONTROL PANEL.

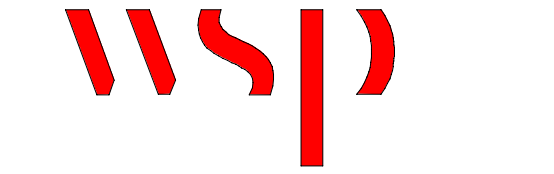


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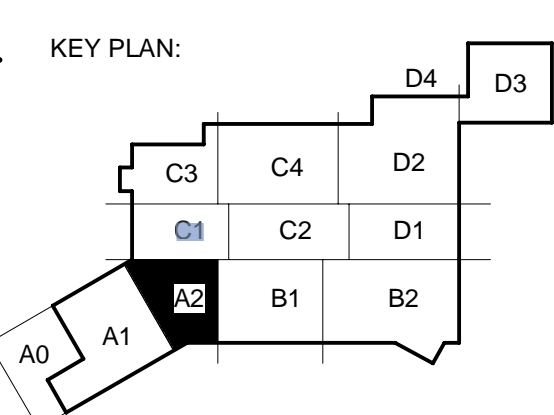
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A	DATE	DESCRIPTION
A	2023.02.03	PERMIT SET
0	2023.03.25	IFC SET
1	2023.07.07	AS1.01
2	2023.07.28	AS1.02
3	2023.10.19	AS1.05 ROOM NUMBERS



SHEET NAME:
LEVEL 1 PART PLAN -
NEW WORK -
PLUMBING - AREA A2

ORIG SUBMISSION: 2023.02.03

SHEET:
P1.1A2

LEVEL 1 PART PLAN - NEW WORK - PLUMBING - AREA A2
1/8" = 1'-0"

WSP PROJECT NO.: B2101351.000 PERMIT SET

10/10/2023 11:09:58 AM

- DRAWING NOTES**
1. PROVIDE ASSE-1055-P HOSE BIB FOR CONNECTION TO DETERGENT DISPENSER.
 2. 1/2" DOMESTIC COLD WATER PIPING DOWN TO ICE MAKER AND COFFEE MAKER. MAKE ALL FINAL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS.
 3. PROVIDE FREEZE-PROOF HOSE BIB WITH LOCKABLE COVER IN EXTERIOR WALL.
 4. PROVIDE GALVANIZED SHEET METAL DRIP PAN WITH 2" UPTURNED AND SEALED PERIMETER. EXTEND 1" DRAIN PIPING TO NEAREST FLOOR DRAIN OR MOP SINK.
 5. PROVIDE 24"x12" CONCRETE SPLASH BLOCK ON GRADE FOR CONDENSATE DRAIN DISCHARGE.

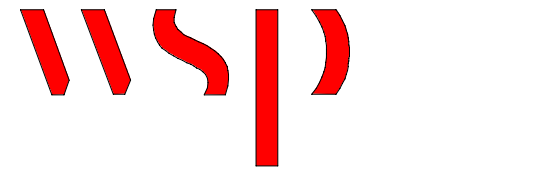


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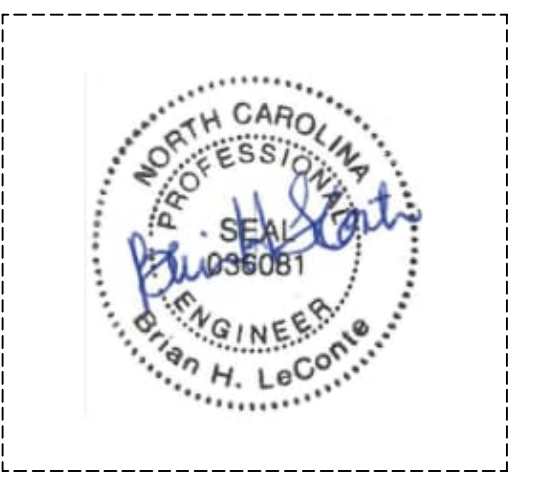
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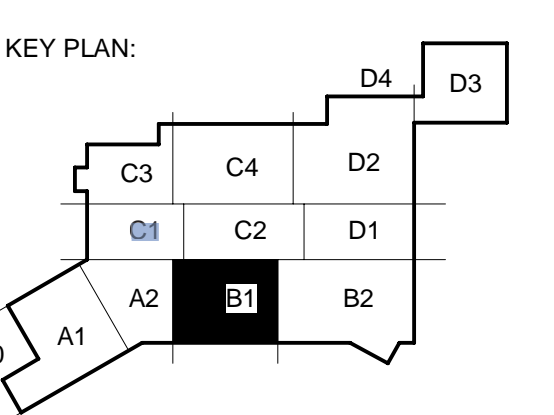
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A	DATE	DESCRIPTION
A	2023.02.03	PERMIT SET
B	2023.02.10	ADDENDUM 01
C	2023.03.23	ADDENDUM 02
D	2023.04.25	IFC SET
1	2023.07.28	AS1.02
2	2023.10.19	AS1.05 ROOM NUMBERS

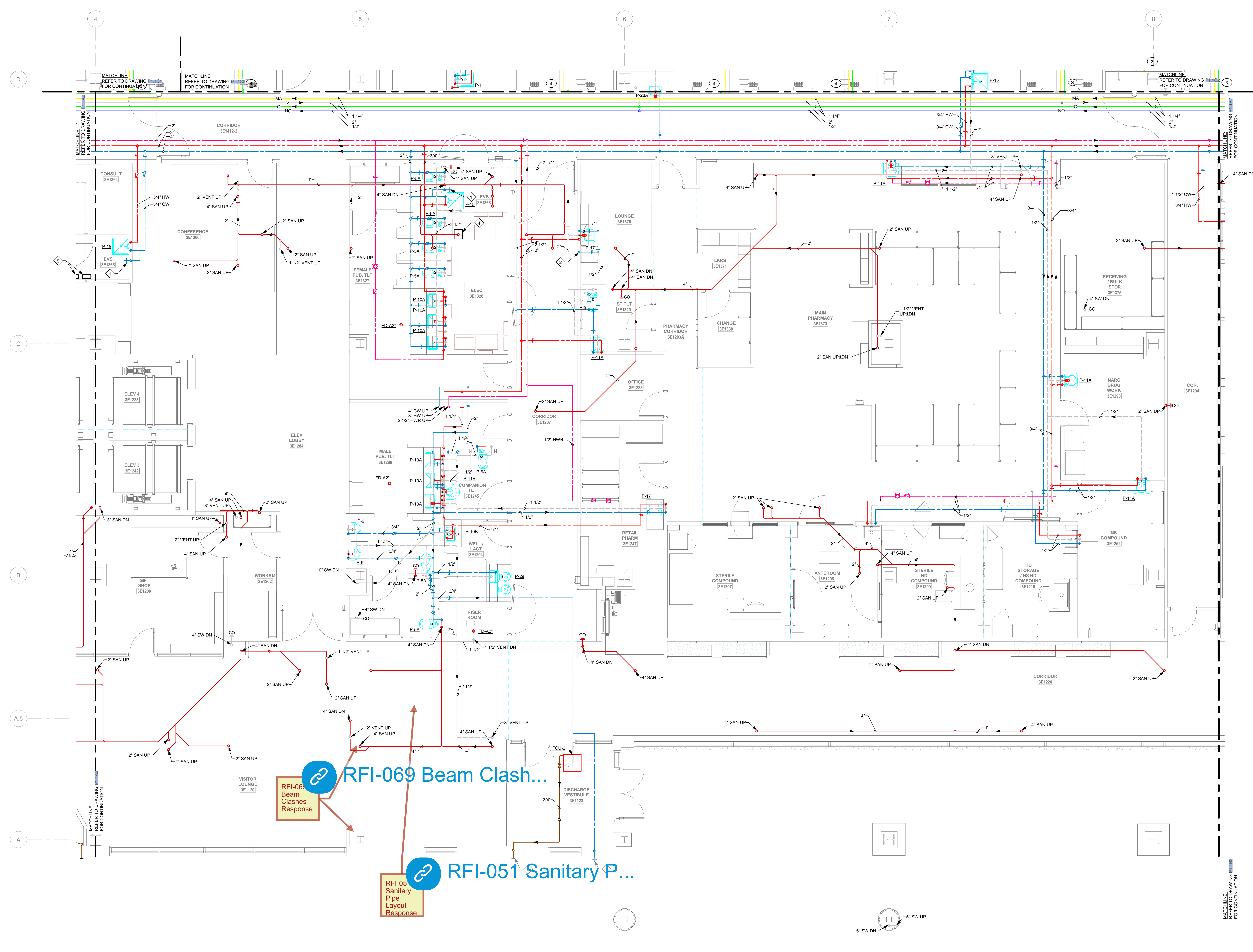


SHEET NAME:
LEVEL 1 PART PLAN - NEW WORK -
PLUMBING - AREA B1

ORIG SUBMISSION: 2023.02.03

SHEET:
P1.1B1

PERMIT SET



RFI-069 Beam Clash...

RFI-06: Beam Clashes Response

RFI-051 Sanitary P...

RFI-05: Sanitary Pipe Layout Response

LEVEL 1 PART PLAN - NEW WORK - PLUMBING - AREA B1
1/4" = 1'-0"

MATCHLINE:
REFER TO DRAWING B1102
FOR CONTINUATION

MATCHLINE:
REFER TO DRAWING B1101
FOR CONTINUATION

MATCHLINE:
REFER TO DRAWING B1102
FOR CONTINUATION

MATCHLINE:
REFER TO DRAWING B1103
FOR CONTINUATION

MATCHLINE:
REFER TO DRAWING B1104
FOR CONTINUATION

MATCHLINE:
REFER TO DRAWING B1105
FOR CONTINUATION

MATCHLINE:
REFER TO DRAWING B1106
FOR CONTINUATION

MATCHLINE:
REFER TO DRAWING B1107
FOR CONTINUATION

MATCHLINE:
REFER TO DRAWING B1108
FOR CONTINUATION

MATCHLINE:
REFER TO DRAWING B1109
FOR CONTINUATION

MATCHLINE:
REFER TO DRAWING B1110
FOR CONTINUATION

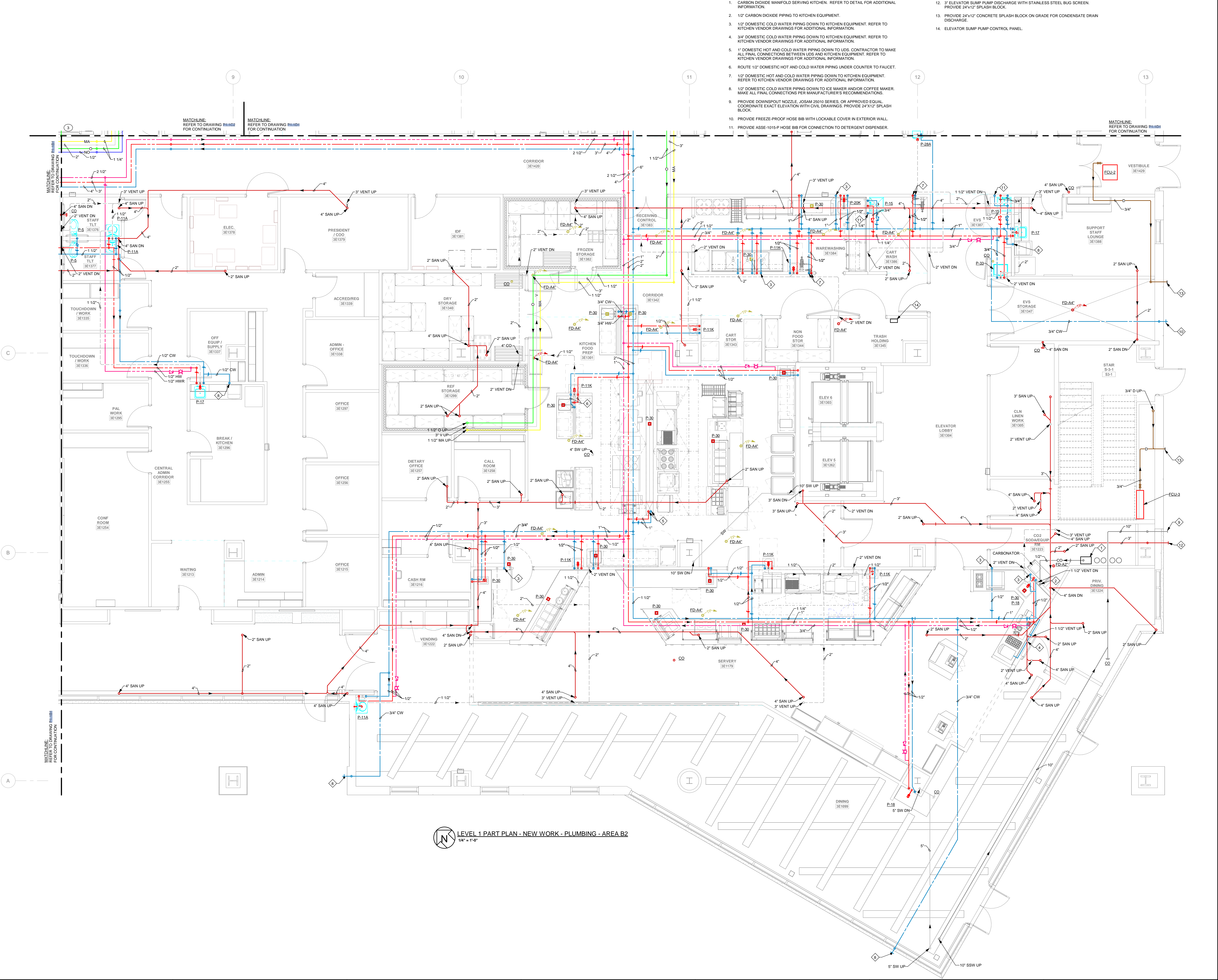
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FOR CONTINUATION

MATCHLINE:
REFER TO DRAWING B1112
FOR CONTINUATION

MATCHLINE:
REFER TO DRAWING B1113
FOR CONTINUATION

WSP PROJECT NO.: B2101351.000

10/18/2023 11:10:10 AM



- DRAWING NOTES:**
- CARBON DIOXIDE MANIFOLD SERVING KITCHEN. REFER TO DETAIL FOR ADDITIONAL INFORMATION.
 - 1/2" CARBON DIOXIDE PIPING TO KITCHEN EQUIPMENT.
 - 1/2" DOMESTIC COLD WATER PIPING DOWN TO KITCHEN EQUIPMENT. REFER TO KITCHEN VENDOR DRAWINGS FOR ADDITIONAL INFORMATION.
 - 3/4" DOMESTIC COLD WATER PIPING DOWN TO KITCHEN EQUIPMENT. REFER TO KITCHEN VENDOR DRAWINGS FOR ADDITIONAL INFORMATION.
 - 1" DOMESTIC HOT AND COLD WATER PIPING DOWN TO UDS. CONTRACTOR TO MAKE ALL FINAL CONNECTIONS BETWEEN UDS AND KITCHEN EQUIPMENT. REFER TO KITCHEN VENDOR DRAWINGS FOR ADDITIONAL INFORMATION.
 - ROUTE 1/2" DOMESTIC HOT AND COLD WATER PIPING UNDER COUNTER TO FAUCET.
 - 1/2" DOMESTIC HOT AND COLD WATER PIPING DOWN TO KITCHEN EQUIPMENT. REFER TO KITCHEN VENDOR DRAWINGS FOR ADDITIONAL INFORMATION.
 - 1/2" DOMESTIC COLD WATER PIPING DOWN TO ICE MAKER AND/OR COFFEE MAKER. MAKE ALL FINAL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS.
 - PROVIDE DOWNSPOUT NOZZLE, JOSAM 2510 SERIES, OR APPROVED EQUAL. COORDINATE EXACT ELEVATION WITH CIVIL DRAWINGS. PROVIDE 24"X12" SPLASH BLOCK.
 - PROVIDE FREEZE-PROOF HOSE BIB WITH LOCKABLE COVER IN EXTERIOR WALL.
 - PROVIDE ASSE-1015-P HOSE BIB FOR CONNECTION TO DETERGENT DISPENSER.
 - 3" ELEVATOR SUMP PUMP DISCHARGE WITH STAINLESS STEEL BUG SCREEN. PROVIDE 24"X12" SPLASH BLOCK.
 - PROVIDE 24"X12" CONCRETE SPLASH BLOCK ON GRADE FOR CONDENSATE DRAIN DISCHARGE.
 - ELEVATOR SUMP PUMP CONTROL PANEL.

LEVEL 1 PART PLAN - NEW WORK - PLUMBING - AREA B2
1/4" = 1'-0"

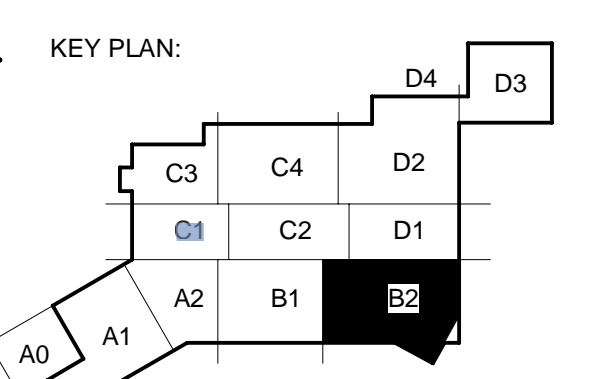


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151 Scotts Hill Medical Drive Wilmington, NC 28411

LS3P PROJECT: 7401-198520

A	DATE	DESCRIPTION
A	2023.02.03	PERMIT SET
B	2023.02.10	As-Built/Rev D1
C	2023.04.25	IFC SET
D	2023.07.07	AS1.01
E	2023.07.28	AS1.02
F	2023.10.19	AS1.05 ROOM NUMBERS



SHEET NAME:
LEVEL 1 PART PLAN - NEW WORK - PLUMBING - AREA B2

ORIG SUBMISSION: 2023.02.03

SHEET:
P1.1B2

PERMIT SET

THESE DRAWINGS ARE PRELIMINARY AND SUBJECT TO CHANGE WITHOUT NOTICE.

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10/18/2023 11:10:23 AM

DRAWING NOTES:
1. PROVIDE MEDICAL GAS AREA ALARM PANEL. CONNECT PRESSURE SENSORS TO MEDICAL GAS MAINS UPSTREAM OF ZONE VALVE BOX SHUTOFF VALVES.

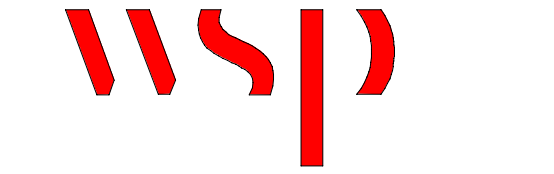


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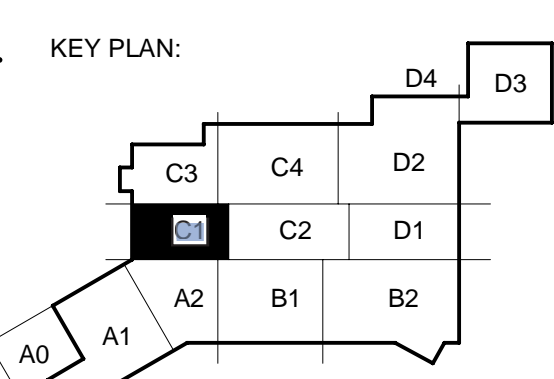


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LS3P PROJECT: 7401-198520

A	DATE	DESCRIPTION
A	2023.02.03	PERMIT SET
B	2023.02.10	As-Built/Revised 01
C	2023.04.25	IFC SET
1	2023.10.19	AS-05 ROOM NUMBERS

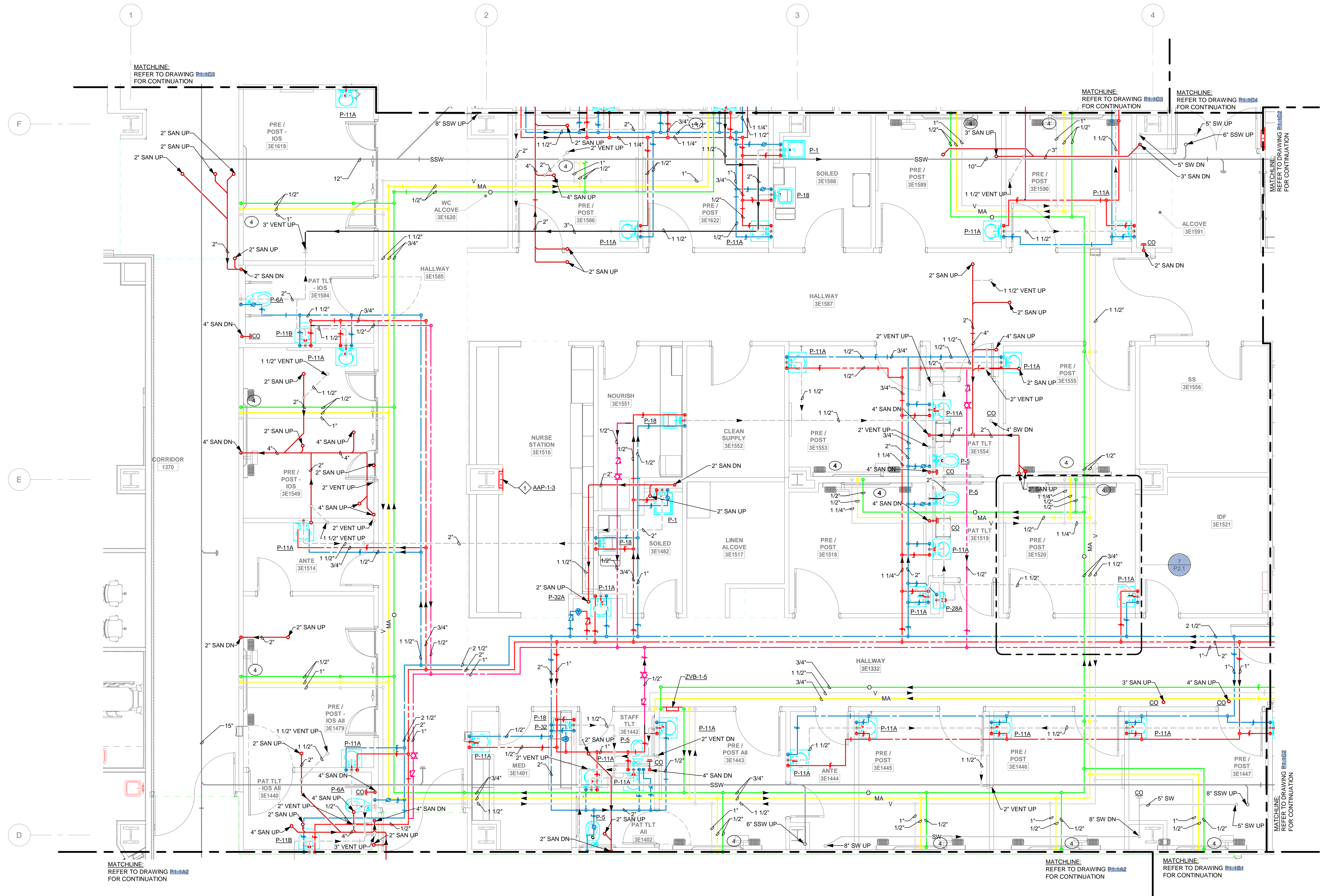


SHEET NAME:
LEVEL 1 PART PLAN -
NEW WORK -
PLUMBING - AREA C1

ORIG SUBMISSION: 2023.02.03

SHEET:
P1.1C1

PERMIT SET



LEVEL 1 PART PLAN - NEW WORK - PLUMBING - AREA C1
1/4" = 1'-0"

1 2 3 4 5 6 7 WSP PROJECT NO.: B2101351.000

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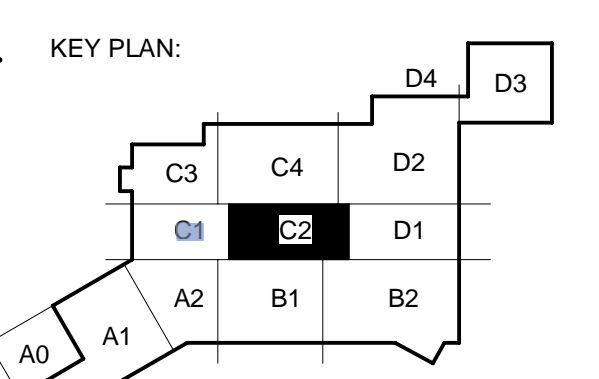
- DRAWING NOTES:**
1. PROVIDE MEDICAL GAS AREA ALARM PANEL, CONNECT PRESSURE SENSORS TO MEDICAL GAS MAINS UPSTREAM OF ZONE VALVE BOX SHUTOFF VALVES.
 2. PROVIDE ASSE 1055-P HOSE BIB FOR CONNECTION TO DETERGENT DISPENSER.



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151 Scotts Hill Medical Drive Wilmington, NC 28411

DATE	DESCRIPTION
2023.02.03	PERMIT SET
2023.04.25	IFC SET
2023.10.19	AS-BUILT ROOM NUMBERS

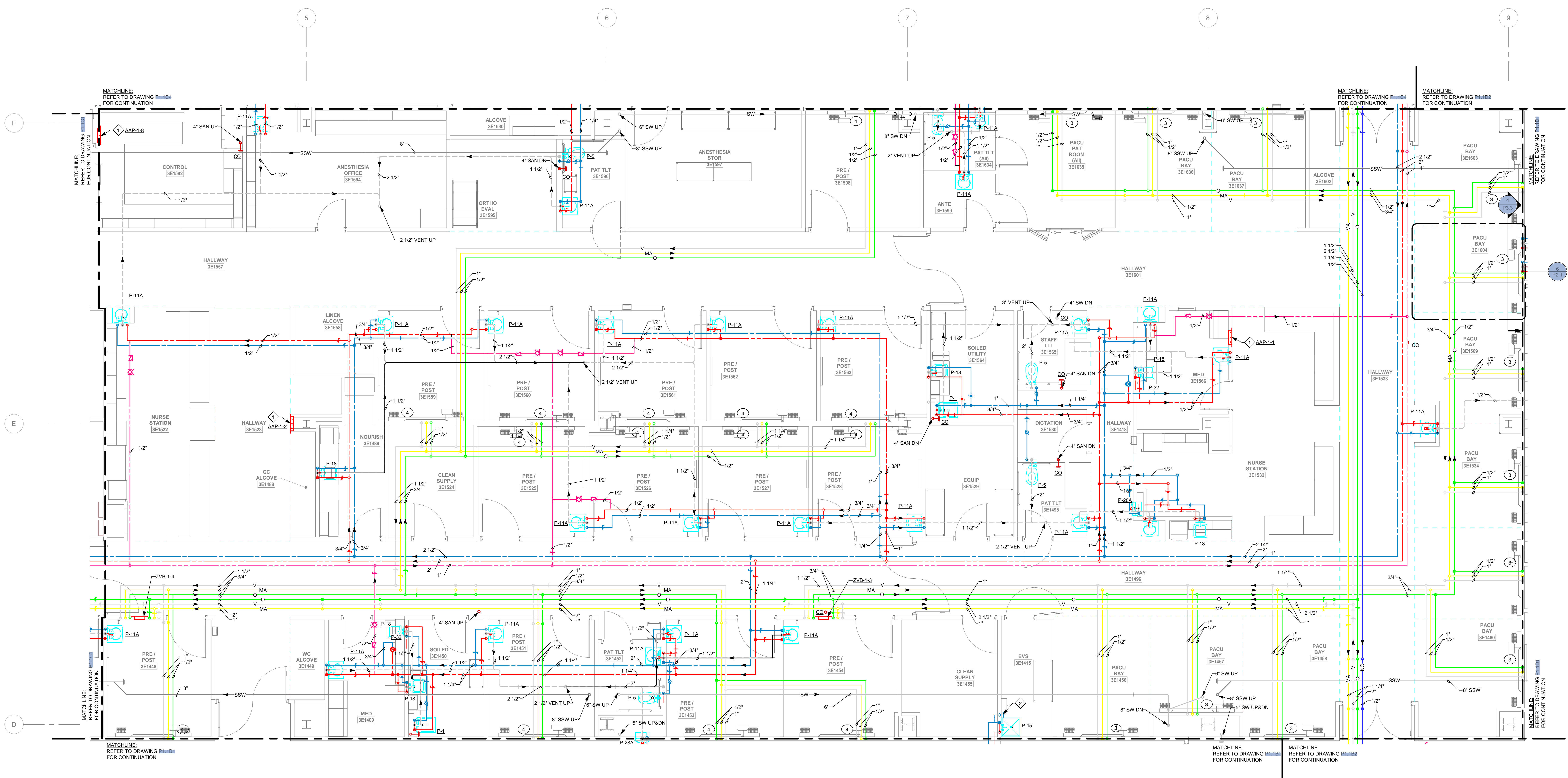


SHEET NAME:
LEVEL 1 PART PLAN - NEW WORK - PLUMBING - AREA C2

ORIG SUBMISSION: 2023.02.03

SHEET:
P1.1C2

PERMIT SET



LEVEL 1 PART PLAN - NEW WORK - PLUMBING - AREA C2
1/4" = 1'-0"

THESE DIMENSIONS ARE FINISH TO FACE UNLESS NOTED OTHERWISE

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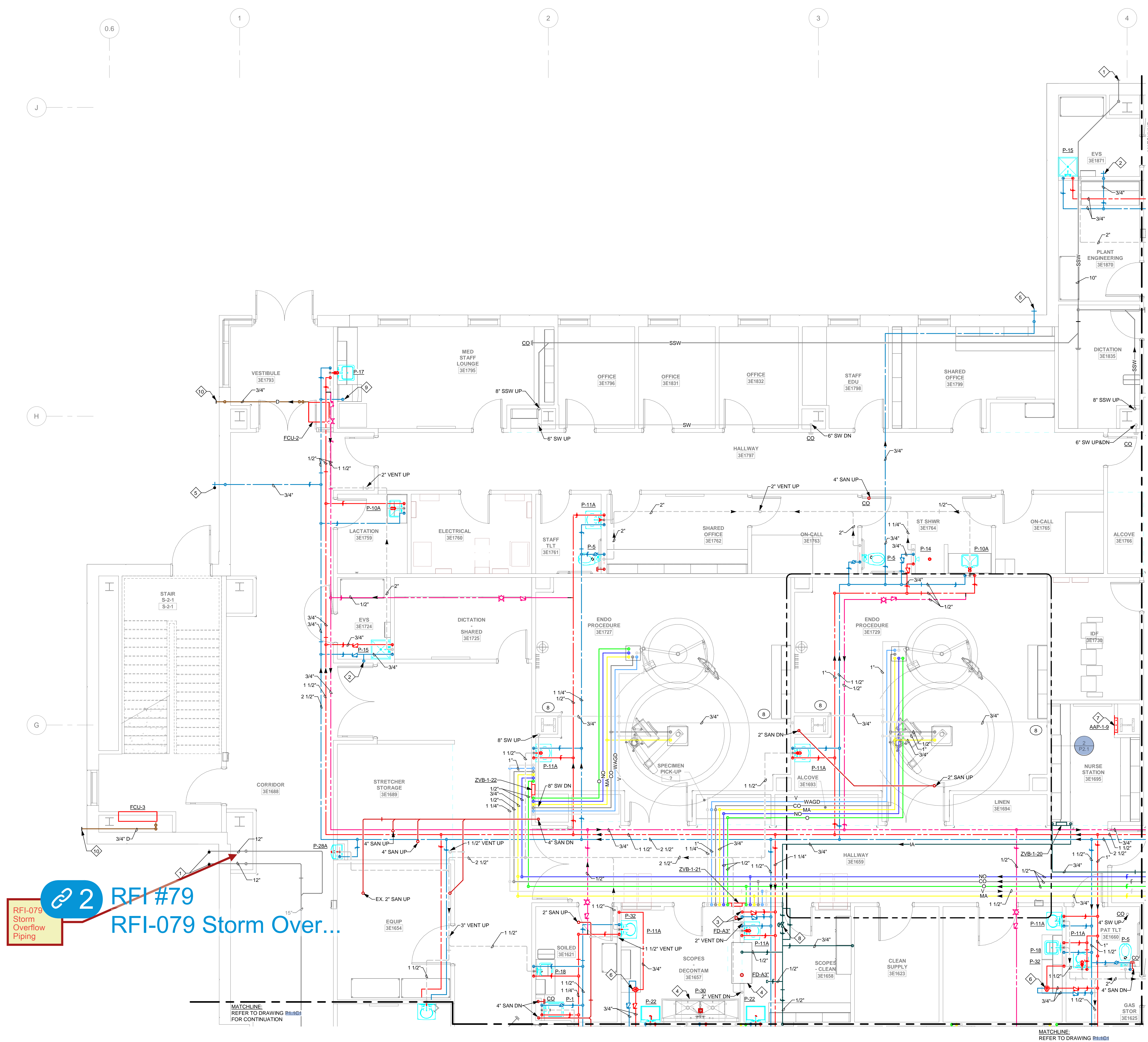
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LEVEL 1 PART PLAN - NEW WORK - PLUMBING - AREA C3
1/4" = 1'-0"

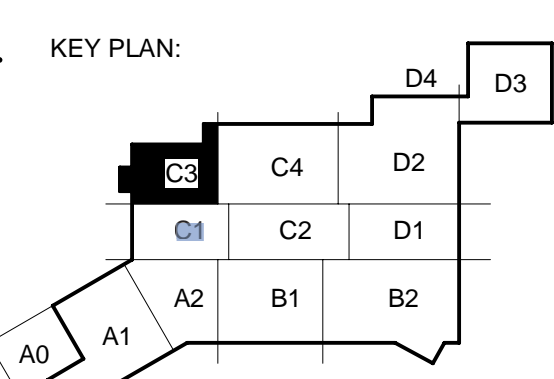
DRAWING NOTES

- SECONDARY STORM WATER DISCHARGE TO DOWNSPOUT NOZZLE. PROVIDE DOWNSPOUT NOZZLE, JOSAM 25010 SERIES, OR APPROVED EQUAL. PROVIDE 24"X12" SPLASH BLOCK.
- PROVIDE ASSE1055-P HOSE BIB FOR CONNECTION TO DETERGENT DISPENSER.
- 3/4" DOMESTIC COLD AND HOT WATER DOWN TO MIXING VALVE FOR ENDOSCOPE PROCESSOR. MIXING VALVE SHALL BE WATTS MODEL LPM17 OR APPROVED EQUAL. VALVE SHALL BE SET TO 85°F. PROVIDE 0.1 MICRON FILTER DOWNSTREAM OF MIXING VALVE. REFER TO DETAIL FOR ADDITIONAL INFORMATION.
- EXTEND DRAINAGE PIPING FROM EQUIPMENT DISCHARGE TO FLOOR SINK.
- PROVIDE FREEZE-PROOF HOSE BIB WITH LOCKABLE COVER IN EXTERIOR WALL.
- PROVIDE THERMOSTATIC VALVE FOR EYEWASH. MOUNT IN ACCESSIBLE LOCATION ABOVE CEILING. REFER TO PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL DETAILS.
- PROVIDE MEDICAL GAS AREA ALARM PANEL. CONNECT PRESSURE SENSORS TO MEDICAL GAS MAINS UPSTREAM OF ZONE VALVE BOX SHUTOFF VALVES.
- PROVIDE PRESSURE GAUGE UPSTREAM AND DOWNSTREAM OF PRESSURE REDUCING VALVE.
- 1/2" DOMESTIC COLD WATER PIPING DOWN TO ICE MAKER AND/OR COFFEE MAKER. MAKE ALL FINAL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE 24"X12" CONCRETE SPLASH BLOCK ON GRADE FOR CONDENSATE DRAIN DISCHARGE.



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A	DATE	DESCRIPTION
A	2023.02.03	PERMIT SET
B	2023.03.23	ADDENDUM 02
0	2023.04.25	IFC SET
1	2023.07.28	AS1.02
2	2023.10.19	AS1.03 ROOM NUMBERS



SHEET NAME:
LEVEL 1 PART PLAN -
NEW WORK -
PLUMBING - AREA C3

ORIG SUBMISSION: 2023.02.03

SHEET:
P1.1C3

PERMIT SET

10/18/2023 11:11:00 AM

- DRAWING NOTES**
1. PROVIDE FREEZE-PROOF HOSE BIB WITH LOCKABLE COVER IN EXTERIOR WALL.
 2. PROVIDE THERMOSTATIC VALVE FOR EYEWASH, MOUNT IN ACCESSIBLE LOCATION ABOVE CEILING. REFER TO PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL DETAILS.
 3. PROVIDE MEDICAL GAS AREA ALARM PANEL. CONNECT PRESSURE SENSORS TO MEDICAL GAS MAINS UPSTREAM OF ZONE VALVE BOX SHUTOFF VALVES.

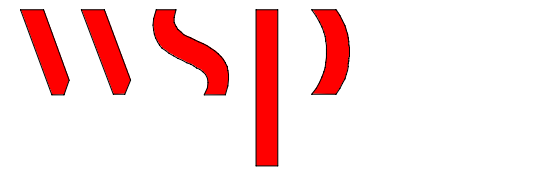


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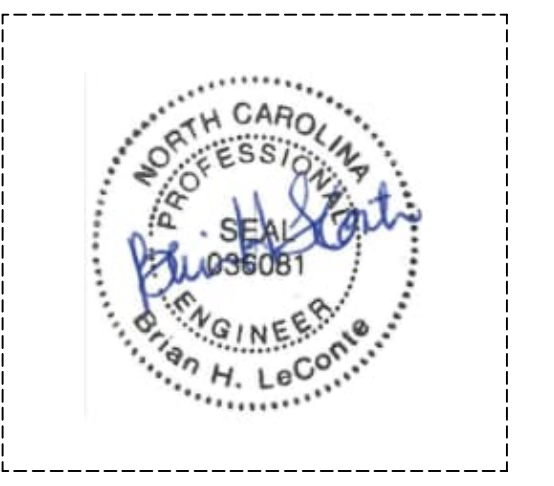
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WILMINGTON, NORTH CAROLINA 28401
TEL. 910.790.9991 FAX. 910.790.3111
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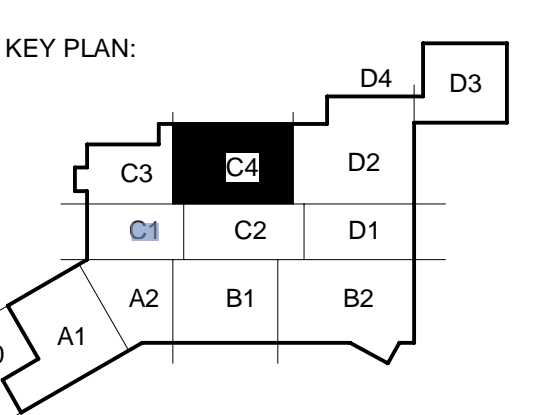
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NH-NHRMC Scotts Hill Medical Center

151 Scotts Hill Medical Drive | Wilmington, NC 28411

LS3P PROJECT: 7401-198520

A	DATE	DESCRIPTION
A	2023.02.03	PERMIT SET
0	2023.04.25	IFC SET
1	2023.07.28	ASB 02
2	2023.10.19	ASB 05 ROOM NUMBERS

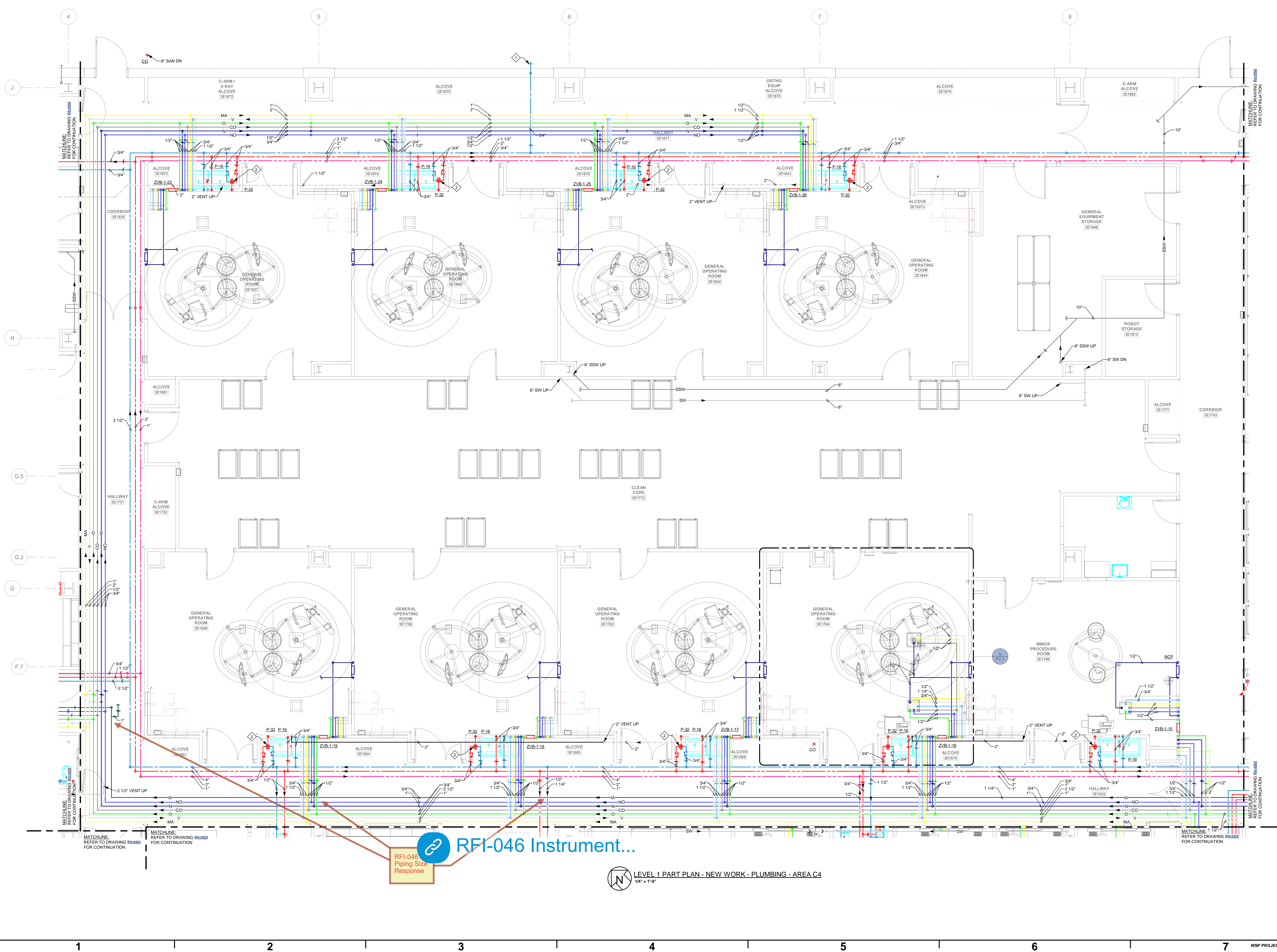


SHEET NAME:
LEVEL 1 PART PLAN - NEW WORK - PLUMBING - AREA C4

ORIG SUBMISSION: 2023.02.03

SHEET:
P1.1C4

PERMIT SET



[RFI-046 Instrument...](#)
RFI-046 Piping Size Response

LEVEL 1 PART PLAN - NEW WORK - PLUMBING - AREA C4
1/4" = 1'-0"

WSP PROJECT NO.: B2101351.000

THESE DIMENSIONS ARE BASED ON THE FINISHED FLOOR SURFACE UNLESS OTHERWISE NOTED.

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GENERAL NOTES:

A. REFER TO ARCHITECTURAL AND LABORATORY DRAWINGS FOR IDENTIFICATION OF WHICH FLOOR DRAINS IN THE LABORATORY ARE TO BE CAPPED FOR FUTURE.

DRAWING NOTES:

1. PROVIDE POLE ADJACENT TO POWER POLE TO ROUTE DOMESTIC HOT AND COLD WATER.
2. PROVIDE FREEZE-PROOF HOSE BIB WITH LOCKABLE COVER IN EXTERIOR WALL.
3. 1/2" DOMESTIC COLD WATER PIPING DOWN TO ICE MAKER AND/OR COFFEE MAKER. MAKE ALL FINAL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS.
4. 1" DOMESTIC COLD WATER PIPING DOWN TO DI WATER EQUIPMENT. REFER TO EQUIPMENT PLANS FOR ADDITIONAL INFORMATION. MAKE ALL FINAL CONNECTIONS TO EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
5. 3/4" DOMESTIC COLD AND HOT WATER PIPING DOWN TO ASSE-1070 THERMOSTATIC MIXING VALVE WITH EXTERNAL CHECK VALVES SET TO 80°F DISCHARGE WATER TO SERVE P-328 FIXTURE. CHECK VALVES AND MIXING VALVE SHALL BE PROVIDED WITH P-328 FIXTURE.
6. 3/4" DOMESTIC COLD WATER DOWN TO SINK AND ICE MAKER. REFER TO DETAIL FOR ADDITIONAL INFORMATION.
7. 1" DEIONIZED WATER TO DI WATER EQUIPMENT. REFER TO EQUIPMENT PLANS FOR ADDITIONAL INFORMATION. MAKE ALL FINAL CONNECTIONS TO EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
8. 3/4" DEIONIZED WATER TO LAB ANALYZER. CONNECTION TO EQUIPMENT SHALL BE WITHIN 10 INCHES OF THE PIPING LOOP. REFER TO EQUIPMENT PLANS FOR ADDITIONAL INFORMATION. MAKE ALL FINAL CONNECTIONS TO EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. PROVIDE PIPING POLE TO CONCEAL PIPING AND COORDINATE WITH ARCHITECT.
9. 12" DOMESTIC COLD AND HOT WATER PIPING DOWN TO SERVE SINK. PROVIDE PIPING POLE TO CONCEAL PIPING DROPS AND COORDINATE WITH ARCHITECT.
10. SINK TO BE PROVIDED BY THE EQUIPMENT VENDOR. PLUMBING CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS PER THE MANUFACTURER'S RECOMMENDATIONS.

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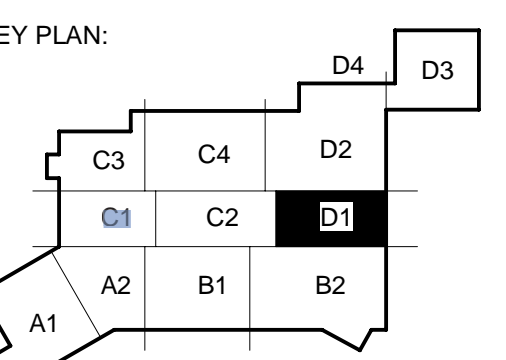
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NH-NHRMC Scotts Hill Medical Center
151 Scotts Hill Medical Drive Wilmington, NC 28411

DATE	DESCRIPTION
2023.02.03	PERMIT SET
2023.02.10	ADDENDUM 01
2023.04.25	IFC SET
2023.07.28	AS1.02
2023.10.19	AS1.06 ROOM NUMBERS

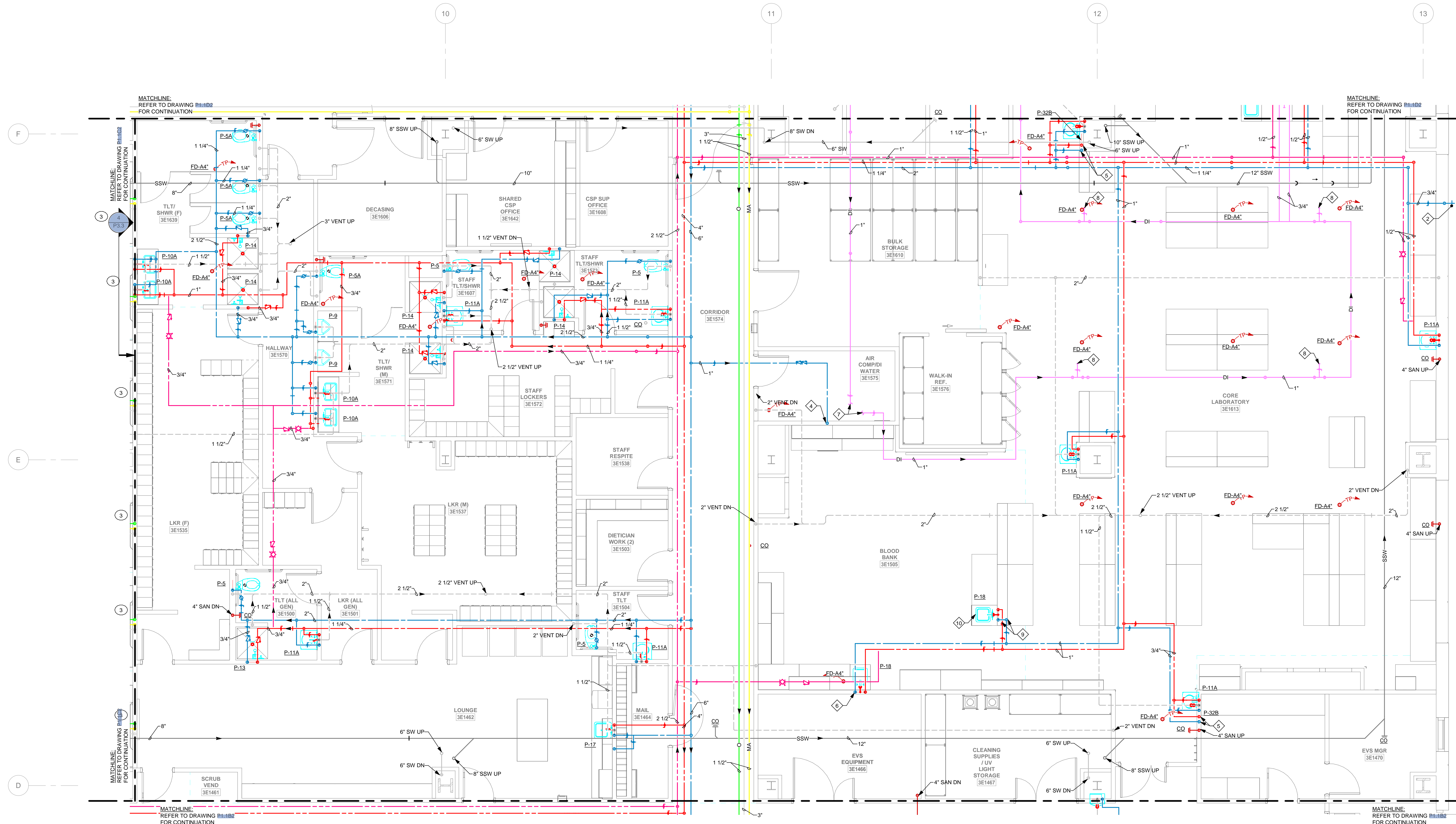


SHEET NAME:
LEVEL 1 PART PLAN - NEW WORK - PLUMBING - AREA D1

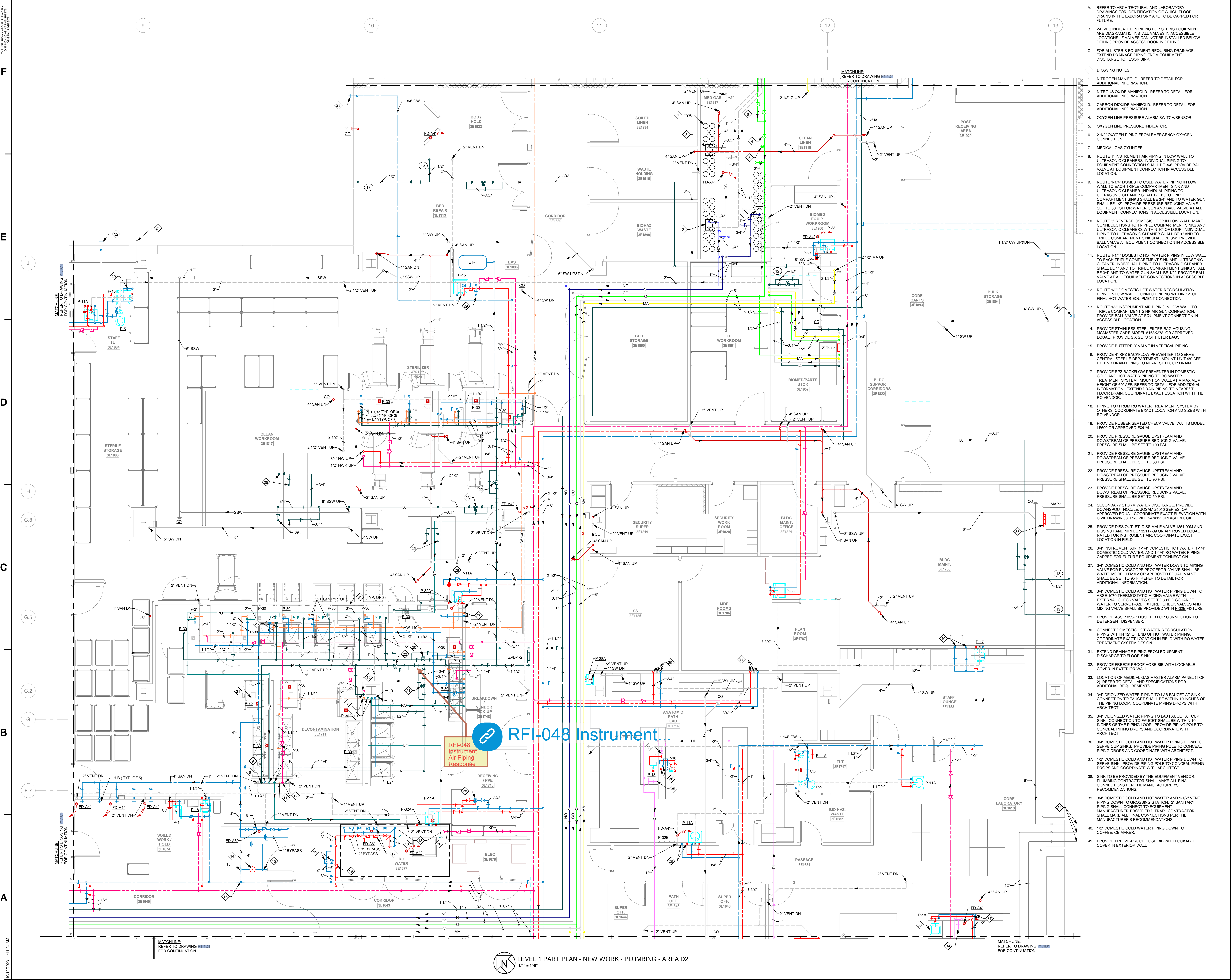
ORIG SUBMISSION: 2023.02.03

SHEET: P1.1D1

PERMIT SET



LEVEL 1 PART PLAN - NEW WORK - PLUMBING - AREA D1
1/4" = 1'-0"



- GENERAL NOTES:**
- A. REFER TO ARCHITECTURAL AND LABORATORY DRAWINGS FOR IDENTIFICATION OF WHICH FLOOR DRAINS IN THE LABORATORY ARE TO BE CAPPED FOR FUTURE.
 - B. VALVES INDICATED IN PIPING FOR STERIS EQUIPMENT ARE DIAGNOSTIC. INSTALL VALVES IN ACCESSIBLE LOCATIONS. IF VALVES CAN NOT BE INSTALLED BELOW CEILING PROVIDE ACCESS DOOR IN CEILING.
 - C. FOR ALL STERIS EQUIPMENT REQUIRING DRAINAGE, EXTEND DRAINAGE PIPING FROM EQUIPMENT DISCHARGE TO FLOOR SINK.
- DRAWING NOTES:**
1. NITROGEN MANIFOLD. REFER TO DETAIL FOR ADDITIONAL INFORMATION.
 2. NITROUS OXIDE MANIFOLD. REFER TO DETAIL FOR ADDITIONAL INFORMATION.
 3. CARBON DIOXIDE MANIFOLD. REFER TO DETAIL FOR ADDITIONAL INFORMATION.
 4. OXYGEN LINE PRESSURE ALARM SWITCH/SENSOR.
 5. OXYGEN LINE PRESSURE INDICATOR.
 6. 2-1/2" OXYGEN PIPING FROM EMERGENCY OXYGEN CONNECTION.
 7. MEDICAL GAS CYLINDER.
 8. ROUTE 1" INSTRUMENT AIR PIPING IN LOW WALL TO ULTRASONIC CLEANERS. INDIVIDUAL PIPING TO EQUIPMENT CONNECTION SHALL BE 3/4". PROVIDE BALL VALVE AT EQUIPMENT CONNECTION IN ACCESSIBLE LOCATION.
 9. ROUTE 1-1/4" DOMESTIC COLD WATER PIPING IN LOW WALL TO EACH TRIPLE COMPARTMENT SINK AND ULTRASONIC CLEANER. INDIVIDUAL PIPING TO ULTRASONIC CLEANER SHALL BE 1" TO TRIPLE COMPARTMENT SINKS SHALL BE 3/4" AND TO WATER GUN SHALL BE 1/2". PROVIDE PRESSURE REDUCING VALVE SET TO 30 PSI FOR WATER GUN AND BALL VALVE AT ALL EQUIPMENT CONNECTIONS IN ACCESSIBLE LOCATION.
 10. ROUTE 3" REVERSE OSMOSIS LOOP IN LOW WALL. MAKE CONNECTIONS TO TRIPLE COMPARTMENT SINKS AND ULTRASONIC CLEANERS WITHIN 10' OF LOOP. INDIVIDUAL PIPING TO ULTRASONIC CLEANER SHALL BE 1" AND TO TRIPLE COMPARTMENT SINK SHALL BE 3/4". PROVIDE BALL VALVE AT EQUIPMENT CONNECTION IN ACCESSIBLE LOCATION.
 11. ROUTE 1-1/4" DOMESTIC HOT WATER PIPING IN LOW WALL TO EACH TRIPLE COMPARTMENT SINK AND ULTRASONIC CLEANER. INDIVIDUAL PIPING TO ULTRASONIC CLEANER SHALL BE 1" AND TO TRIPLE COMPARTMENT SINKS SHALL BE 3/4" AND TO WATER GUN SHALL BE 1/2". PROVIDE BALL VALVE AT ALL EQUIPMENT CONNECTIONS IN ACCESSIBLE LOCATION.
 12. ROUTE 1/2" DOMESTIC HOT WATER RECIRCULATION PIPING IN LOW WALL CONNECTION WITHIN 12' OF FINAL HOT WATER EQUIPMENT CONNECTION.
 13. ROUTE 1/2" INSTRUMENT AIR PIPING IN LOW WALL TO TRIPLE COMPARTMENT SINK AIR GUN CONNECTION. PROVIDE BALL VALVE AT EQUIPMENT CONNECTION IN ACCESSIBLE LOCATION.
 14. PROVIDE STAINLESS STEEL FILTER BAG HOUSING. MASTER-CARTRIDGE MODEL, 500GAL, OR APPROVED EQUAL. PROVIDE SIX SETS OF FILTER BAGS.
 15. PROVIDE BUTTERFLY VALVE IN VERTICAL PIPING.
 16. PROVIDE 4" RPZ BACKFLOW PREVENTER TO SERVE CENTRAL STERILE DEPARTMENT. MOUNT UNIT 48" AFF. EXTEND DRAIN PIPING TO NEAREST FLOOR DRAIN.
 17. PROVIDE RPZ BACKFLOW PREVENTER IN DOMESTIC COLD AND HOT WATER PIPING TO RO WATER TREATMENT SYSTEM. MOUNT ON WALL AT A MAXIMUM HEIGHT OF 60" AFF. REFER TO DETAIL FOR ADDITIONAL INFORMATION. EXTEND DRAIN PIPING TO NEAREST FLOOR DRAIN. COORDINATE EXACT LOCATION WITH THE RO VENDOR.
 18. PIPING TO / FROM RO WATER TREATMENT SYSTEM BY OTHERS. COORDINATE EXACT LOCATION AND SIZES WITH RO VENDOR.
 19. PROVIDE RUBBER SEATED CHECK VALVE, WATTS MODEL LF600 OR APPROVED EQUAL.
 20. PROVIDE PRESSURE GAUGE UPSTREAM AND DOWNSTREAM OF PRESSURE REDUCING VALVE. PRESSURE SHALL BE SET TO 100 PSI.
 21. PROVIDE PRESSURE GAUGE UPSTREAM AND DOWNSTREAM OF PRESSURE REDUCING VALVE. PRESSURE SHALL BE SET TO 90 PSI.
 22. PROVIDE PRESSURE GAUGE UPSTREAM AND DOWNSTREAM OF PRESSURE REDUCING VALVE. PRESSURE SHALL BE SET TO 50 PSI.
 23. PROVIDE PRESSURE GAUGE UPSTREAM AND DOWNSTREAM OF PRESSURE REDUCING VALVE. PRESSURE SHALL BE SET TO 30 PSI.
 24. SECONDARY STORM WATER DISCHARGE. PROVIDE DOWNSTREAM NOZZLE, 2" GALV. SERIES, OR APPROVED EQUAL. COORDINATE EXACT ELEVATION WITH CIVIL DRAWINGS. PROVIDE 24" DIA. SINK BLOCK.
 25. PROVIDE DISS. OUTLET, DISS. MALLE VALVE 13E1-09M AND DISS. NUT AND NIPPLE 13E111-09 OR APPROVED EQUAL. RATED FOR INSTRUMENT AIR. COORDINATE EXACT LOCATION IN FIELD.
 26. 3/4" INSTRUMENT AIR, 1-1/4" DOMESTIC HOT WATER, 1-1/4" DOMESTIC COLD WATER, AND 1-1/4" RO WATER PIPING CAPPED FOR FUTURE EQUIPMENT CONNECTION.
 27. 3/4" DOMESTIC COLD AND HOT WATER DOWN TO MIXING VALVE FOR ENDSCOPE PROCESSOR. VALVE SHALL BE WATTS MODEL LFMV OR APPROVED EQUAL. VALVE SHALL BE SET TO 85". REFER TO DETAIL FOR ADDITIONAL INFORMATION.
 28. 3/4" DOMESTIC COLD AND HOT WATER PIPING DOWN TO ASSE-1010 THERMOSTATIC MIXING VALVE WITH EXTERNAL CHECK VALVES SET TO 80°F DISCHARGE WATER TO SERVE E232 FUTURE. CHECK VALVES AND MIXING VALVE SHALL BE PROVIDED WITH E232 FUTURE.
 29. PROVIDE ASSE-1055-P HOSE BIB FOR CONNECTION TO DETERGENT DISPENSER.
 30. CONNECT DOMESTIC HOT WATER RECIRCULATION PIPING WITHIN 12' OF END OF HOT WATER PIPING. COORDINATE EXACT LOCATION IN FIELD WITH RO WATER TREATMENT SYSTEM DESIGN.
 31. EXTEND DRAINAGE PIPING FROM EQUIPMENT DISCHARGE TO FLOOR SINK.
 32. PROVIDE FREEZE-PROOF HOSE BIB WITH LOCKABLE COVER IN EXTERIOR WALL.
 33. LOCATION OF MEDICAL GAS MASTER ALARM PANEL (1 OF 2). REFER TO DETAIL AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 34. 3/4" DEIONIZED WATER PIPING TO LAB FAUCET AT SINK CONNECTION TO FAUCET SHALL BE WITHIN 10 INCHES OF THE PIPING LOOP. COORDINATE PIPING DROPS WITH ARCHITECT.
 35. 3/4" DEIONIZED WATER PIPING TO LAB FAUCET AT CLIP SINK. CONNECTION TO FAUCET SHALL BE WITHIN 10 INCHES OF THE PIPING LOOP. PROVIDE PIPING POLE TO CONCEAL PIPING DROPS AND COORDINATE WITH ARCHITECT.
 36. 3/4" DOMESTIC COLD AND HOT WATER PIPING DOWN TO SERVE CLIP SINKS. PROVIDE PIPING POLE TO CONCEAL PIPING DROPS AND COORDINATE WITH ARCHITECT.
 37. 1/2" DOMESTIC COLD AND HOT WATER PIPING DOWN TO SERVE SINK. PROVIDE PIPING POLE TO CONCEAL PIPING DROPS AND COORDINATE WITH ARCHITECT.
 38. SINK TO BE PROVIDED BY THE EQUIPMENT VENDOR. PLUMBING CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS PER THE MANUFACTURER'S RECOMMENDATIONS.
 39. 3/4" DOMESTIC COLD AND HOT WATER AND 1-1/2" VENT PIPING DOWN TO GROSSING STATION. 2" SANITARY PIPING SHALL CONNECT TO EQUIPMENT MANUFACTURER-PROVIDED P-TRAP. CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS PER THE MANUFACTURER'S RECOMMENDATIONS.
 40. 1/2" DOMESTIC COLD WATER PIPING DOWN TO COFFEE MAKER.
 41. PROVIDE FREEZE-PROOF HOSE BIB WITH LOCKABLE COVER IN EXTERIOR WALL.

RFI-048 Instrument Air Piping Response

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101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NORTH CAROLINA 28401
TEL. 910.790.9991 FAX. 910.790.3111
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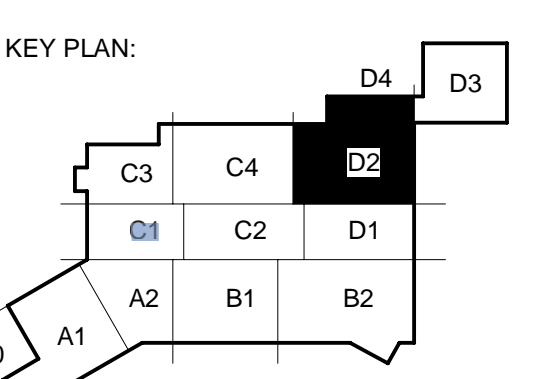


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LS3P PROJECT: 7401-198520

DATE	DESCRIPTION
2023.02.03	PERMIT SET
2023.02.10	ADDITIONAL D1
2023.02.25	IFC SET
2023.07.07	AS1.01
2023.07.28	AS1.02
2023.10.19	AS1.05 ROOM NUMBERS



SHEET NAME:
LEVEL 1 PART PLAN - NEW WORK - PLUMBING - AREA D2

ORIG SUBMISSION: 2023.02.03

SHEET:
P1.1D2

PERMIT SET

LEVEL 1 PART PLAN - NEW WORK - PLUMBING - AREA D2
1/4" = 1'-0"

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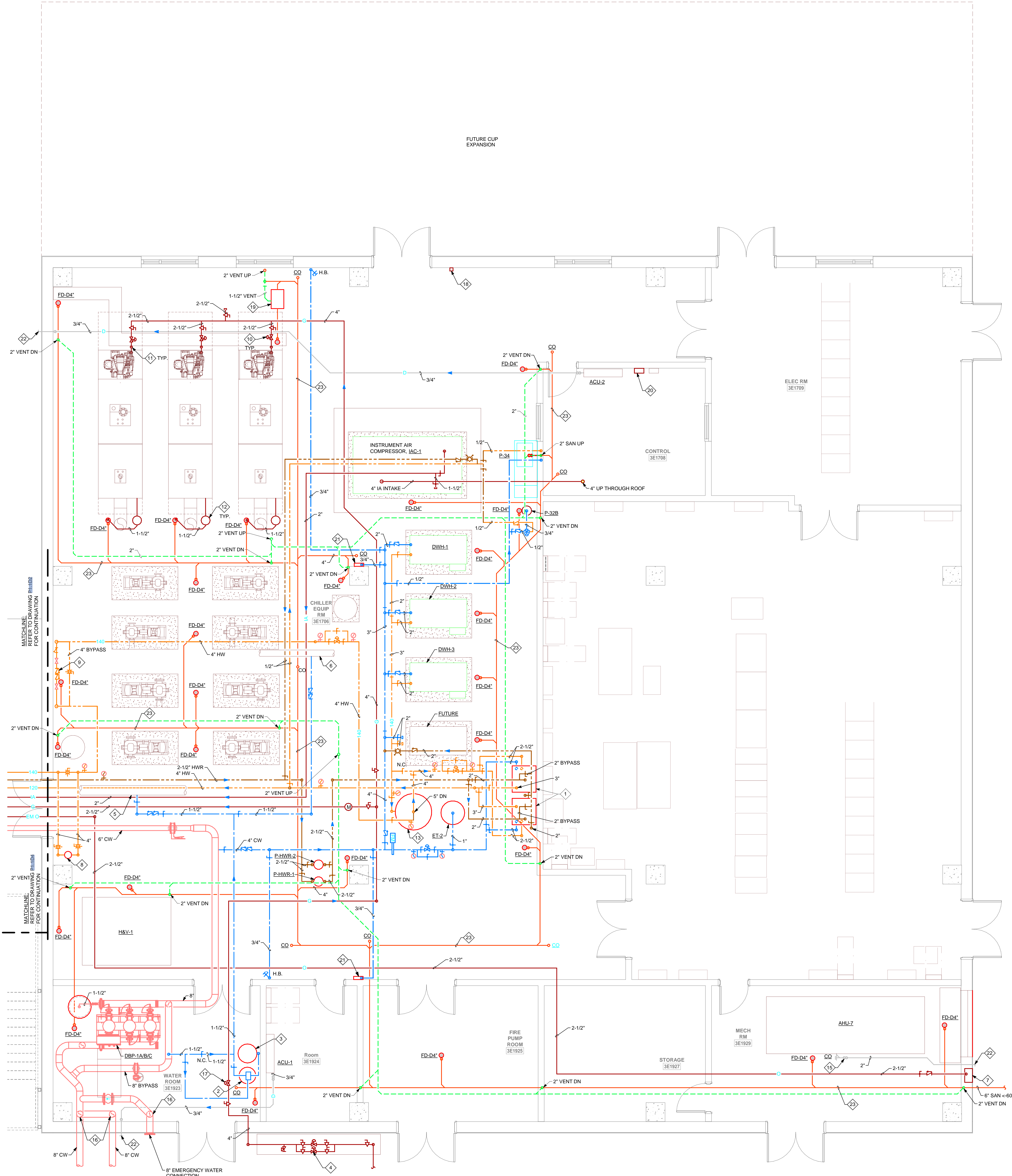
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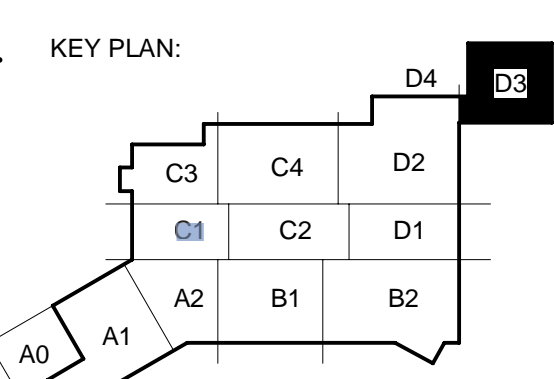
LEVEL 1 PART PLAN - NEW WORK - PLUMBING - AREA D3
1/4" = 1'-0"

- DRAWING NOTES:
1. PROVIDE DIGITAL DOMESTIC HOT WATER TEMPERING VALVE, POWERS INTELLISTATION MODEL LFSS8FFSLP, OR APPROVED EQUAL.
 2. PROVIDE SOFT WATER RESIN TANK, CHEM-AQUA MODEL ATM-2162-1.5-NXT, OR APPROVED EQUAL.
 3. 24" DIAMETER X 50' BRINE TANK.
 4. INCOMING NATURAL GAS SERVICE, INCLUDING NATURAL GAS METER AND PRESSURE REDUCING VALVE TRAIN BY UTILITY. CONTRACTOR TO PROVIDE ALL INTERIOR NATURAL GAS PIPING AND CONNECT TO UTILITY PIPING. DESIGN DISCHARGE PRESSURE: 2 PSIG.
 5. CONNECT SOFT WATER FILL/MAKE-UP WATER TO 12" CHILLED WATER PIPING.
 6. CONNECT SOFT WATER FILL/MAKE-UP WATER TO 8" HEATING HOT WATER PIPING.
 7. PROVIDE EMERGENCY OXYGEN CONNECTION, BEACON MEDAES MODEL 140436-00 AND RELIEF VALVE MODEL 230599-00, OR APPROVED EQUALS.
 8. PROVIDE STAINLESS STEEL FILTER BAG HOUSING, MCMASTER-CARR MODEL 5168K278, OR APPROVED EQUAL.
 9. PROVIDE RP2 BACKFLOW PREVENTER TO SERVE CENTRAL STERILE DEPARTMENT. MOUNT UNIT 48" AFF. EXTEND DRAIN PIPING TO NEAREST FLOOR DRAIN.
 10. PROVIDE NATURAL GAS PRESSURE REDUCING VALVE. INCOMING PRESSURE 2.5 PSIG. DISCHARGE PRESSURE 1.2 PSIG.
 11. PROVIDE DIRT LEG AT NATURAL BOILER CONNECTION. MAKE ALL FINAL CONNECTIONS TO BOILER NATURAL GAS TRAIN.
 12. ACID NEUTRALIZER TANK FURNISHED BY THE BOILER MANUFACTURER FOR INSTALLATION BY THE CONTRACTOR.
 13. PROVIDE 400 GALLON DOMESTIC HOT WATER STORAGE TANK. REFER TO SPECIFICATIONS.
 14. EXTEND CONDENSATE PIPING TO NEAREST FLOOR DRAIN.
 15. PROVIDE 4" P-TRAP IN CONDENSATE PIPING.
 16. PROVIDE SHUTOFF VALVE IN VERTICAL PIPING.
 17. PROVIDE AUTOMATIC NATURAL GAS SHUTOFF VALVE.
 18. EMERGENCY NATURAL GAS CUTOFF SWITCH WITH PROTECTIVE COVER.
 19. PROVIDE OIL INTERCEPTOR, ZURN MODEL Z1186 SIZE 500, OR APPROVED EQUAL REFER TO SPECIFICATIONS.
 20. FUEL OIL LEAK DETECTION MONITORING SYSTEM PANEL.
 21. PROVIDE AUTOMATIC TRAP PRIMER PANEL. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
 22. PROVIDE 24"x12" CONCRETE SPLASH BLOCK ON GRADE FOR CONDENSATE DRAIN DISCHARGE.
 23. PIPING LOCATED BELOW SLAB ON GRADE.



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A	DATE	DESCRIPTION
A	2023.02.03	PERMIT SET
0	2023.04.25	IFC SET
1	2023.07.28	AS IS
2	2023.10.19	AS IS ROOM NUMBERS



SHEET NAME:
LEVEL 1 PART PLAN -
NEW WORK -
PLUMBING - AREA D3

ORIG SUBMISSION: 2023.02.03

SHEET:
P1.1D3

PERMIT SET

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- DRAWING NOTES**
- PROVIDE HEAT TRACING ON EXPOSED PIPING/FITTINGS ABOVE EXPOSED LOADING DOCK. HEAT TRACING SHALL BE SELF REGULATING, 8 WATTS PER LINEAR FOOT. INSTALL HEAT TRACE CONTROLLER IN CENTRAL UTILITY PLANT. EXTEND ALARMS FROM THE CONTROLLER TO THE BAS.

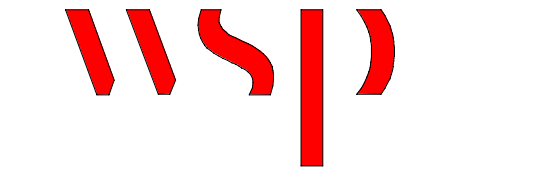


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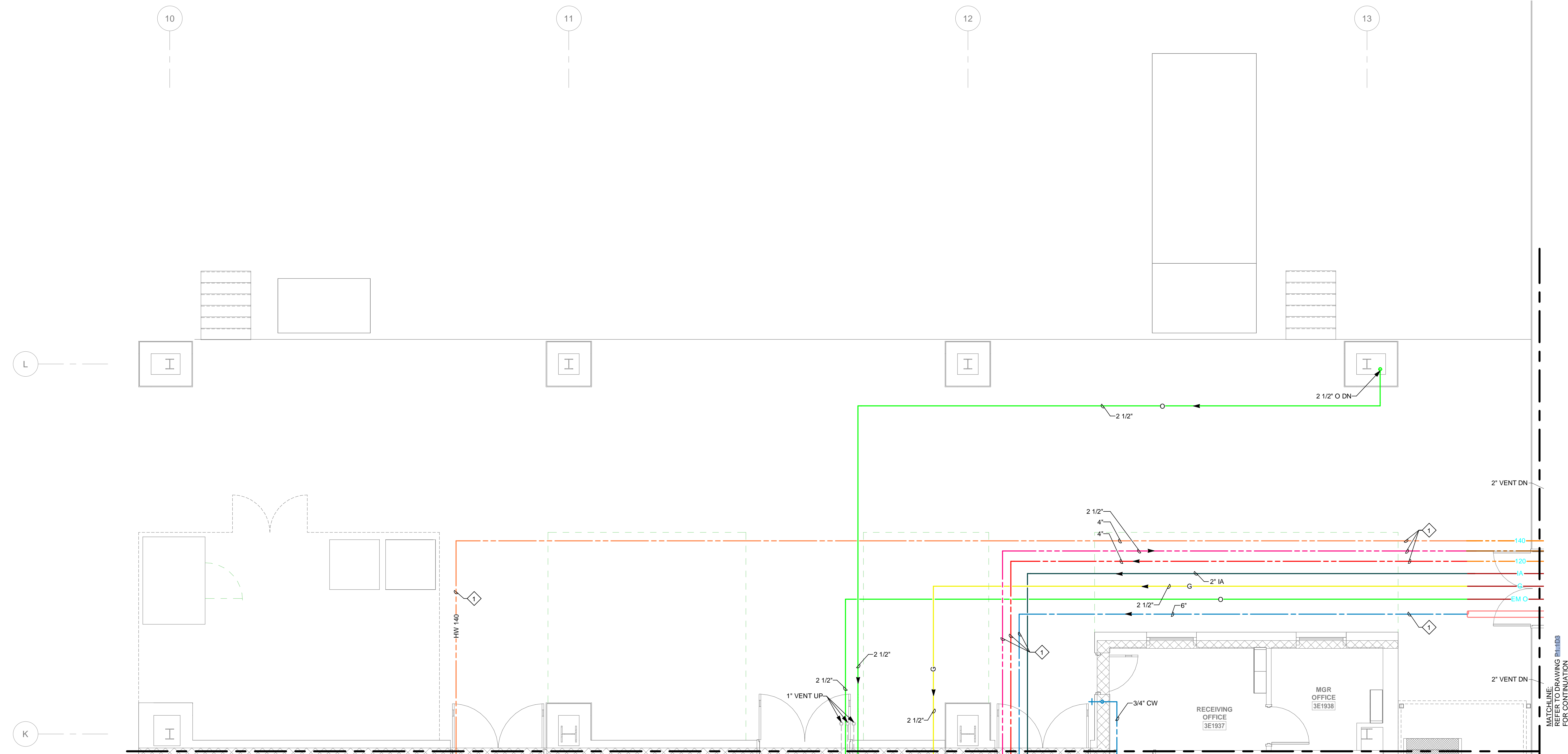
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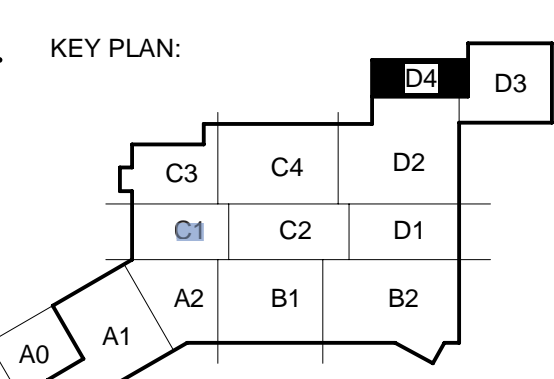
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LS3P PROJECT: 7401-198520



LEVEL 1 PART PLAN - NEW WORK - PLUMBING - LOADING DOCK
1/4" = 1'-0"

A	DATE	DESCRIPTION
0	2023.02.03	PERMIT SET
1	2023.02.25	IFC SET
1	2023.10.19	AS-BUILT ROOM NUMBERS



SHEET NAME:
LEVEL 1 PART PLAN -
NEW WORK -
PLUMBING - AREA D4

ORIG SUBMISSION: 2023.02.03

SHEET:
P1.1D4

PERMIT SET

WSP PROJECT NO.: B2101351.000