



ST CLOUD VA HEALTH CARE SYSTEM

INSTALL LEGIONELLA PREVENTION

BUILDING 2, 28, 49, 50, 51, 86 (WATER TOWER) & 115

4801 VETERANS DRIVE, ST CLOUD MN 56303

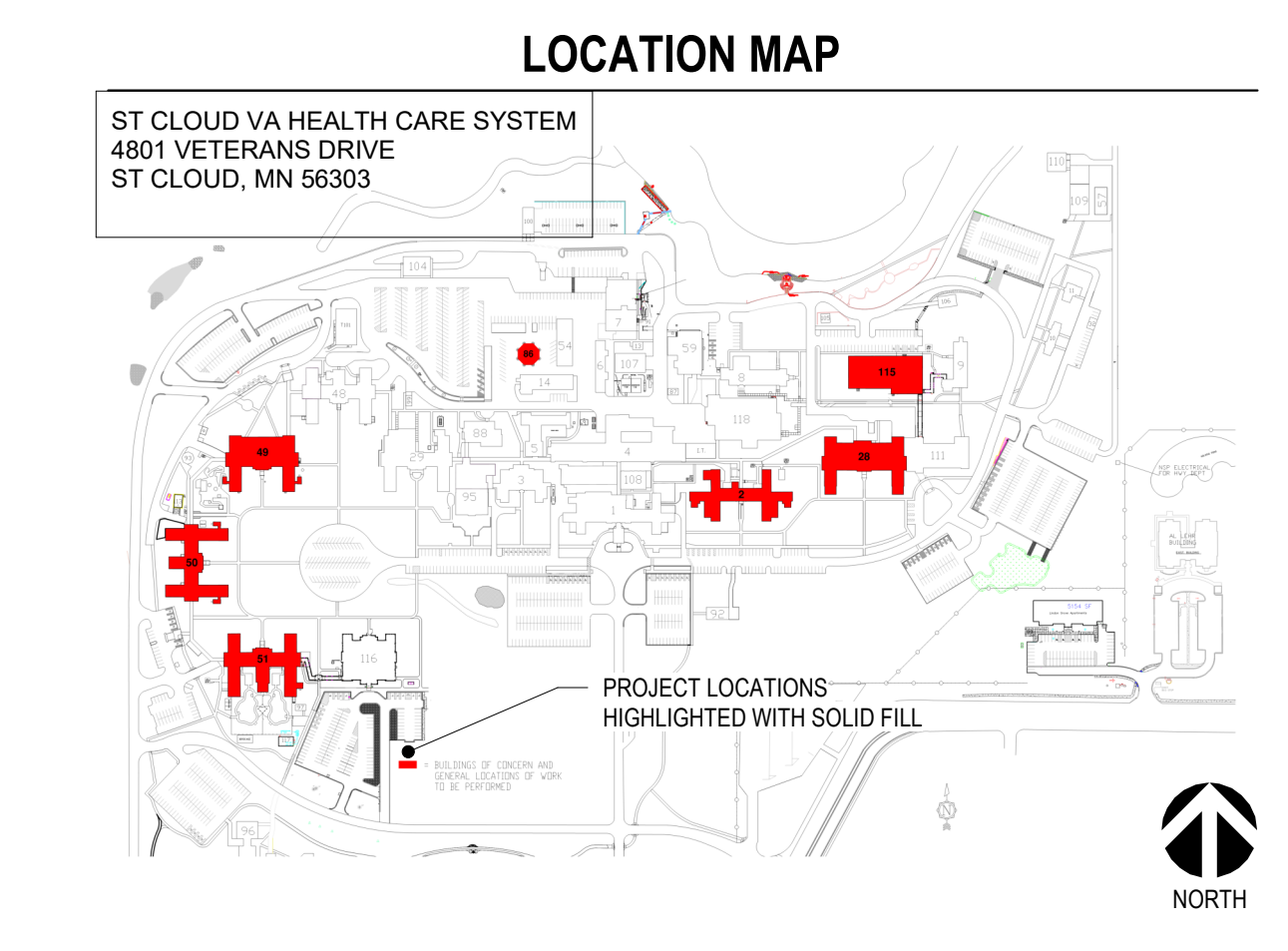
VA# 656-16-284

FINAL CONSTRUCTION DOCUMENTS

FEB 2, 2021

SHEET LIST	
GENERAL	
G1001	COVER SHEET
G1002	SITE, STAGING & PHASING PLAN
G1003	BUILDING 2 - PHASING PLANS
G1004	BUILDING 28 - PHASING PLANS
G1005	BUILDING 49 - PHASING PLANS
G1006	BUILDING 50 - PHASING PLANS
G1007	BUILDING 51 - PHASING PLANS
G1008	BUILDING 115 - PHASING PLANS
ARCHITECTURAL	
AE101	BUILDING 2 - FLOOR PLANS
AE102	BUILDING 28 - FLOOR PLANS
AE103	BUILDING 49 - FLOOR PLANS
AE104	BUILDINGS 50 - FLOOR PLANS
AE105	BUILDING 51 - FLOOR PLANS
AE106	BUILDING 115 - FLOOR PLAN & FINISHES
MECHANICAL	
PL000	MECHANICAL TITLE SHEET
02-PL100	BUILDING 2 - BASEMENT LEVEL - DOMESTIC WATER PLAN
02-PL101	BUILDING 2 - FIRST LEVEL - DOMESTIC WATER PLAN
02-PL102	BUILDING 2 - SECOND LEVEL - DOMESTIC WATER PLAN
02-PL600	BUILDING 2 - M/E/P EQUIPMENT SCHEDULES/DETAILS
28-PL100	BUILDING 28 - BASEMENT LEVEL - DOMESTIC WATER PLAN
28-PL101	BUILDING 28 - FIRST LEVEL - DOMESTIC WATER PLAN
28-PL102	BUILDING 28 - SECOND LEVEL - DOMESTIC WATER PLAN
28-PL600	BUILDING 28 - M/E/P EQUIPMENT SCHEDULES/DETAILS
49-PL10U	BUILDING 49 - CRAWLSPACE - DOMESTIC WATER PLAN
49-PL100	BUILDING 49 - BASEMENT LEVEL - DOMESTIC WATER PLAN
49-PL101	BUILDING 49 - FIRST LEVEL - DOMESTIC WATER PLAN
49-PL102	BUILDING 49 - SECOND LEVEL - DOMESTIC WATER PLAN
49-PL600	BUILDING 49 - M/E/P EQUIPMENT SCHEDULES/DETAILS
50-PL10U	BUILDING 50 - UNDERGROUND - DOMESTIC WATER PLAN
50-PL100	BUILDING 50 - BASEMENT LEVEL - DOMESTIC WATER PLAN
50-PL101	BUILDING 50 - FIRST LEVEL - DOMESTIC WATER PLAN
50-PL102	BUILDING 50 - SECOND LEVEL - DOMESTIC WATER PLAN
50-PL600	BUILDING 50 - M/E/P EQUIPMENT SCHEDULES/DETAILS
51-PL10U	BUILDING 51 - UNDERGROUND - DOMESTIC WATER PLAN
51-PL100	BUILDING 51 - BASEMENT LEVEL - DOMESTIC WATER PLAN
51-PL101	BUILDING 51 - FIRST LEVEL - DOMESTIC WATER PLAN
51-PL102	BUILDING 51 - SECOND LEVEL - DOMESTIC WATER PLAN
51-PL600	BUILDING 51 - M/E/P EQUIPMENT SCHEDULES/DETAILS
86-PL500	WATER TOWER DETAILS AND MODIFICATIONS - ADD ALT #2
115-PL100	BUILDING 115 - CRAWLSPACE DOMESTIC WATER PLAN
115-PL101	BUILDING 115 - GROUND FLOOR DOMESTIC WATER PLAN
115-PL600	BUILDING 115 - M/E/P EQUIPMENT SCHEDULES/DETAILS
ELECTRICAL	
E000	ELECTRICAL TITLE SHEET
02-E100	BUILDING 2 - BASEMENT LEVEL - ELECTRICAL PLAN
02-E600	BUILDING 2 - ELECTRICAL SCHEDULES
28-E100	BUILDING 28 - BASEMENT LEVEL - ELECTRICAL PLAN
28-E600	BUILDING 28 - ELECTRICAL SCHEDULES
49-E100	BUILDING 49 - UNDERGROUND/CRAWLSPACE - ELECTRICAL PLAN
49-E101	BUILDING 49 - BASEMENT LEVEL - ELECTRICAL PLAN
49-E600	BUILDING 49 - ELECTRICAL SCHEDULES
50-E100	BUILDING 50 - UNDERGROUND - ELECTRICAL PLAN
50-E101	BUILDING 50 - BASEMENT LEVEL - ELECTRICAL PLAN
50-E600	BUILDING 50 - ELECTRICAL SCHEDULES
51-E100	BUILDING 51 - UNDERGROUND - ELECTRICAL PLAN
51-E101	BUILDING 51 - BASEMENT LEVEL - ELECTRICAL PLAN
51-E600	BUILDING 51 - ELECTRICAL SCHEDULES
115-E100	BUILDING 115 - CRAWLSPACE - ELECTRICAL PLAN
115-E101	BUILDING 115 - GROUND FLOOR - ELECTRICAL PLAN
115-E600	BUILDING 115 - ELECTRICAL SCHEDULES

BASE BID AND DEDUCT ALTERNATES SUMMARY	
NOTE 1:	BASE BID INCLUDES ALL WORK SCOPE AS LISTED ON ALL DRAWINGS AND SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR REVIEWING ALL NOTES AS THEY VARY BY BUILDING.
NOTE 2:	BASE BID AND ALTERNATES ARE LISTED IN SUMMARY BELOW. CONTRACTOR RESPONSIBLE TO REVIEW ALL DOCUMENTS FOR FURTHER INFORMATION.
NOTE 3:	THE ALTERNATES ARE LISTED BELOW IN ORDER OF VA PRIORITY AND ACCEPTANCE.
BASE BID - SYSTEMS:	INVOLVES INSTALLING INCOMING WATER PARAMETER MONITORS AND CONNECTIONS INTO BUILDING AUTOMATION.
BASE BID - FIXTURES:	INCLUDED RETROFITTING SINKS/SHOWERS WITH NEW/UPDATED MIXING VALVES (WHERE APPLICABLE).
DEDUCT ALTERNATE #1:	UNDER ACCEPTANCE OF THIS DEDUCT ALTERNATE, REMOVE REQUIREMENT TO PROVIDE TEMPERATURE SENSORS FOR ALL RECIRCULATION BALANCING VALVES REPLACED IN BASE BID SCOPE OF WORK.
DEDUCT ALTERNATE #2:	UNDER ACCEPTANCE OF THIS DEDUCT ALTERNATE, REMOVE REQUIREMENT TO REPLACE ALL EXISTING BALANCING VALVES WITH NEW CIRCUIT SETTER VALVES ON HOT WATER RECIRCULATION SYSTEM.
DEDUCT ALTERNATE #3:	UNDER ACCEPTANCE OF THIS DEDUCT ALTERNATE, REMOVE COLD WATER RECIRCULATION SYSTEM MODIFICATIONS AND ASSOCIATED EQUIPMENT INSTALLATION.
DEDUCT ALTERNATE #4:	UNDER ACCEPTANCE OF THIS DEDUCT ALTERNATE, REMOVE DELUXE THERMAL FLUSH SYSTEM MODIFICATIONS. NOTE THAT A SIMPLIFIED FLUSHING METHOD WILL BE REQUIRED FOR INSTALLATION TO REPLACE THIS FUNCTION. SEE BUILDING SPECIFIC DRAWINGS FOR ADDITIONAL INFORMATION.
DEDUCT ALTERNATE #5:	UNDER ACCEPTANCE OF THIS DEDUCT ALTERNATE, DELETE SCOPE OF WATER TOWER MODIFICATIONS SHOWN ON DRAWING 86-PL500, TO HELP CIRCULATE SYSTEM AND PROVIDE MORE RELIABLE DEPTH MONITORING.



Revision#	Description	Date:

CONSULTANTS
MECHANICAL, ELECTRICAL, PLUMBING:
DUNHAM
 50 SOUTH SIXTH STREET
 SUITE 1100
 MINNEAPOLIS, MN 55402
 612-465-7550
 P.O.C.: DAN WEISS

ARCHITECT OF RECORD
A/E:
STONE GROUP ARCHITECTS, INC.
 1001 TWELVE OAKS CENTER DRIVE,
 SUITE 1025
 WAZATA, MN 55391
 952.476.5850

STAMP
 I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the state of Minnesota.
 Signature: *[Signature]*
 Typed or Printed Name: **TRUDY STANE ALM**
 Date: **2/2/21** License Number: **51525**

APPROVED: SAFETY MANAGER DATE: _____
 APPROVED: SERVICE LINE DIRECTOR DATE: _____
 APPROVED: GEMS COORDINATOR DATE: _____
 APPROVED: CHIEF OF POLICE DATE: _____

APPROVED: PROJECTS SECTION MANAGER DATE: _____
 APPROVED: DIRECTOR FMS DATE: _____
 APPROVED: INFECTION CONTROL NURSE DATE: _____
 APPROVED: PATIENT SAFETY DATE: _____

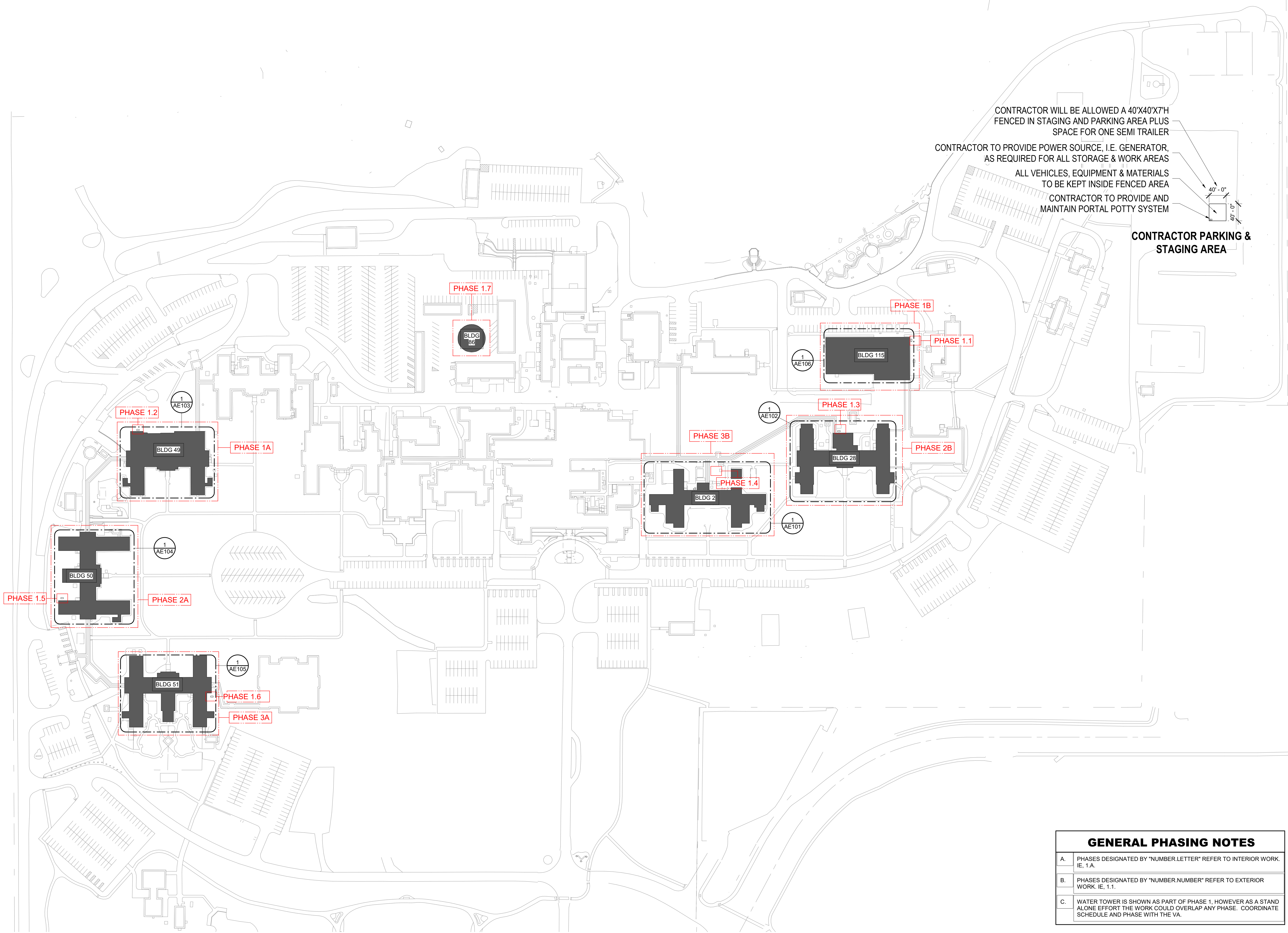
APPROVED: HEALTH CARE DIRECTOR DATE: _____
 APPROVED: ASSOCIATE HEALTH CARE DIRECTOR DATE: _____
 APPROVED: CHIEF OF STAFF DATE: _____
 APPROVED: PROJECT COR DATE: _____

Project Title: **INSTALL LEGIONELLA PREVENTION**
 Location: **SAINT CLOUD, MN**
 Phase: **FINAL CONSTRUCTION DOCUMENTS**
 Drawing Title: **COVER SHEET**
 Issue Date: **FEB 2, 2021**
 Checked: _____
 Drawn: _____

Project Number: **VA# 656-16-284**
 Building Number: **MULTIPLE**
 Drawing Number: **G1001**



Three inches = one foot
 One and one half inches = one foot
 One inch = one foot
 Three quarters inch = one foot
 One half inch = one foot
 Three eighths inch = one foot
 One quarter inch = one foot
 One eighth inch = one foot



GENERAL PHASING NOTES	
A.	PHASES DESIGNATED BY "NUMBER LETTER" REFER TO INTERIOR WORK, I.E. 1.A.
B.	PHASES DESIGNATED BY "NUMBER NUMBER" REFER TO EXTERIOR WORK, I.E. 1.1.
C.	WATER TOWER IS SHOWN AS PART OF PHASE 1, HOWEVER AS A STAND ALONE EFFORT THE WORK COULD OVERLAP ANY PHASE. COORDINATE SCHEDULE AND PHASE WITH THE VA.

1 SITE PLAN & STAGING PLAN
 1" = 100'-0"

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 Typed or Printed Name: TOOD STONE AIA
 Date: 2/2/21 License Number: 51525

Project Title INSTALL LEGIONELLA PREVENTION		Project Number VAF 656-16-284
Location SAINT CLOUD, MN		Building Number MULTIPLE
Phase FINAL CONSTRUCTION DOCUMENTS		Drawing Number G1002
Drawing Title SITE, STAGING & PHASING PLAN		
Issue Date FEB 2, 2021	Checked	Drawn

VA

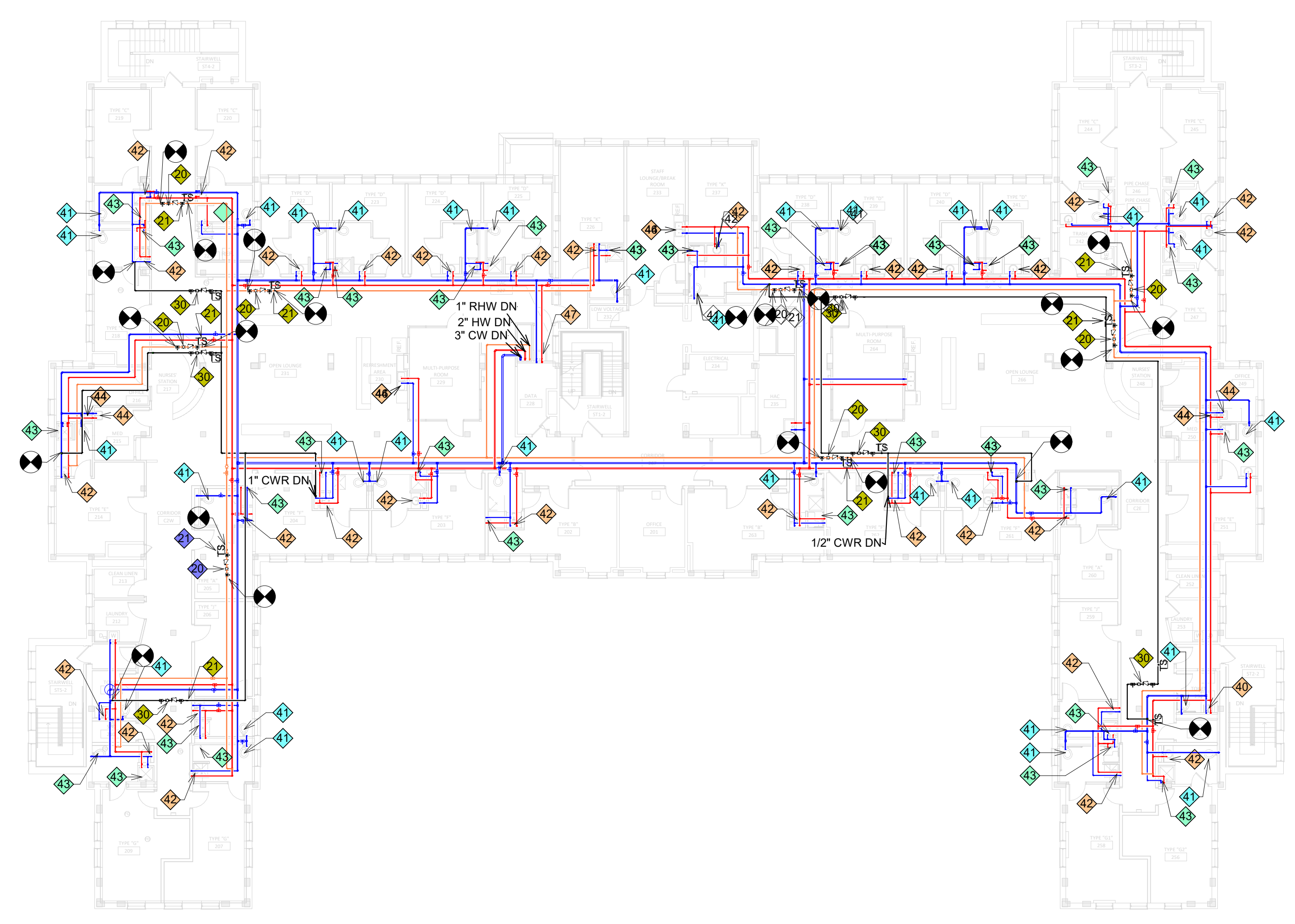
U.S. Department of Veterans Affairs
 Veterans Health Administration
 St. Cloud VA Health Care System

WORK DURATION LEGEND

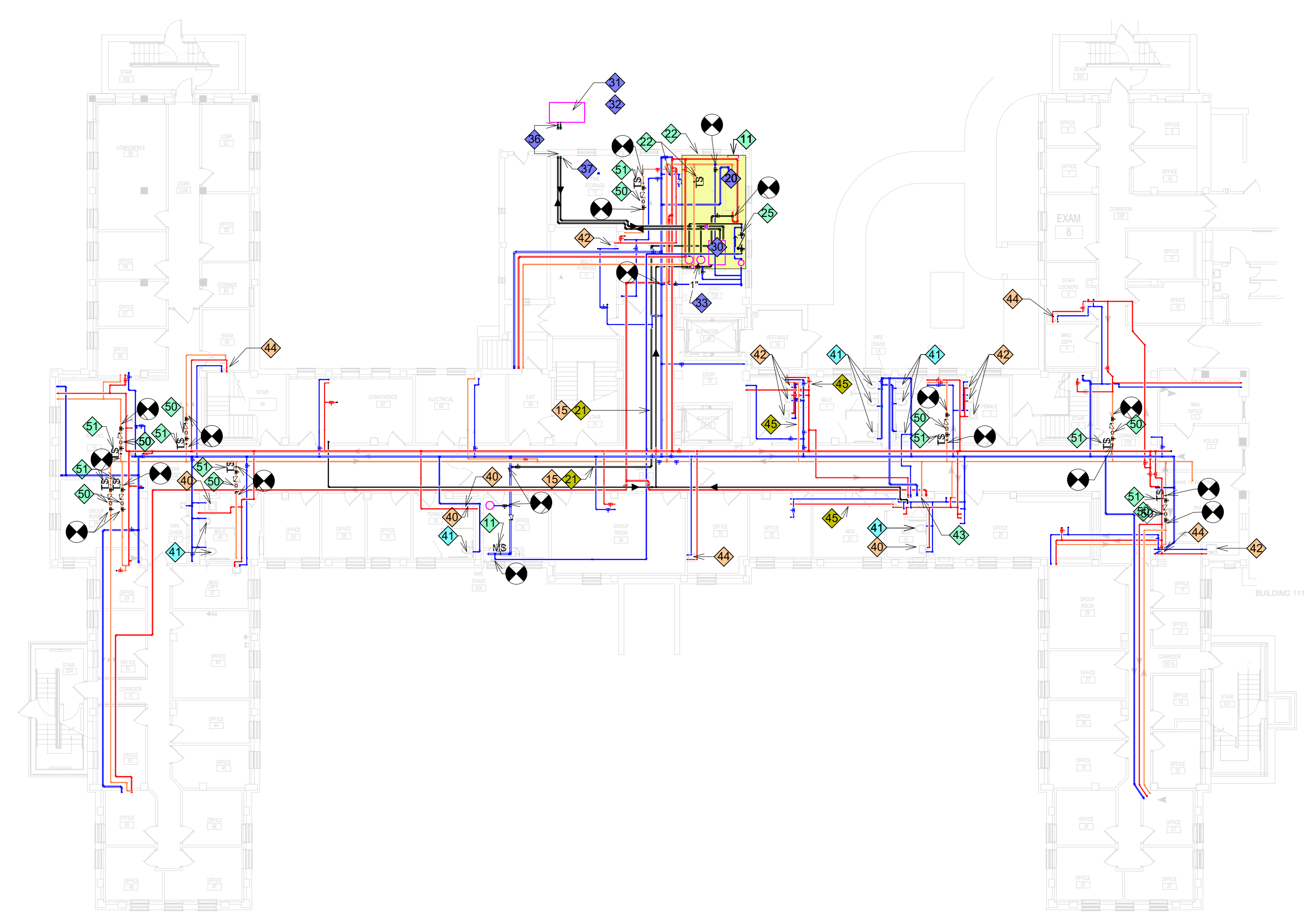
DURATION NOTE: COLOR SHOWN REPRESENT ANTICIPATED CONSTRUCTION DURATION, DESCRIBED BELOW, FOR SPECIFIC WORK ITEMS. NUMBERS SHOWN REFERENCE MECHANICAL PLAN NOTES - SEE MECHANICAL PLANS FOR DESCRIPTION OF WORK.

- SHORT DURATION: (START & COMPLETION OF WORK ANTICIPATED TO BE LESS THAN ONE DAY)
- MEDIUM DURATION: (START & COMPLETION OF WORK ANTICIPATED TO BE 2-7 DAYS)
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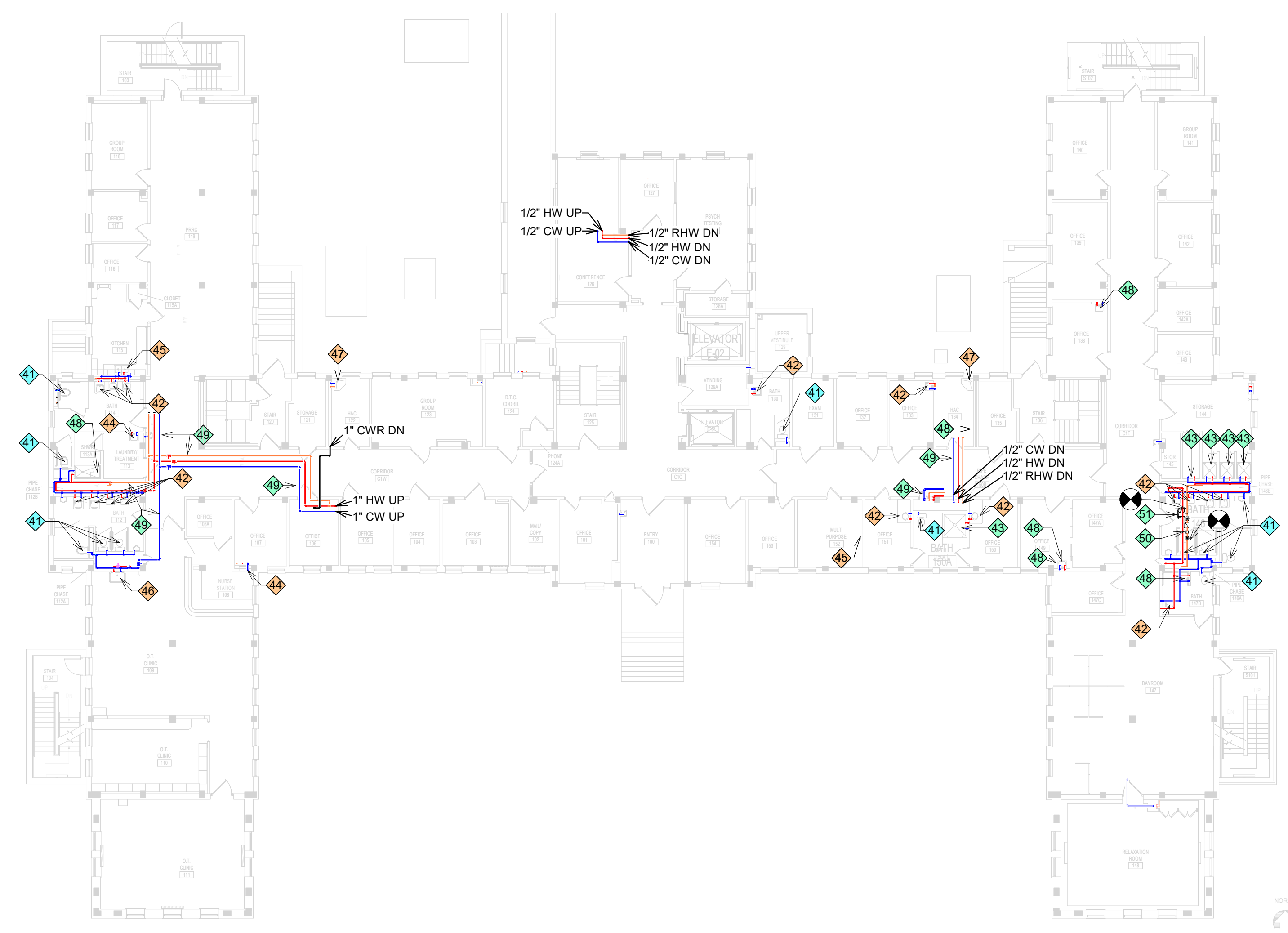
- PHASING NOTES**
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3 SECOND LEVEL PHASING PLAN
1/16" = 1'-0"




1 BASEMENT LEVEL PHASING PLAN
1/16" = 1'-0"



2 FIRST LEVEL PHASING PLAN
1/16" = 1'-0"

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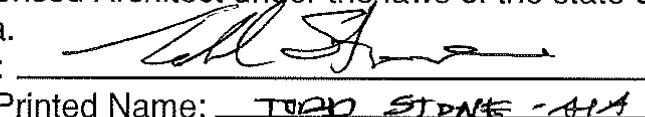


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Signature: 

Typed or Printed Name: TODD STONE AIA
Date: 2/2/21 License Number: 51525

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Location SAINT CLOUD, MN		Building Number MULTIPLE
Phase FINAL CONSTRUCTION DOCUMENTS		Drawing Number
Drawing Title BUILDING 28 - PHASING PLANS		G1004
Issue Date FEB 2, 2021	Checked	Drawn




U.S. Department of Veterans Affairs
Veterans Health Administration
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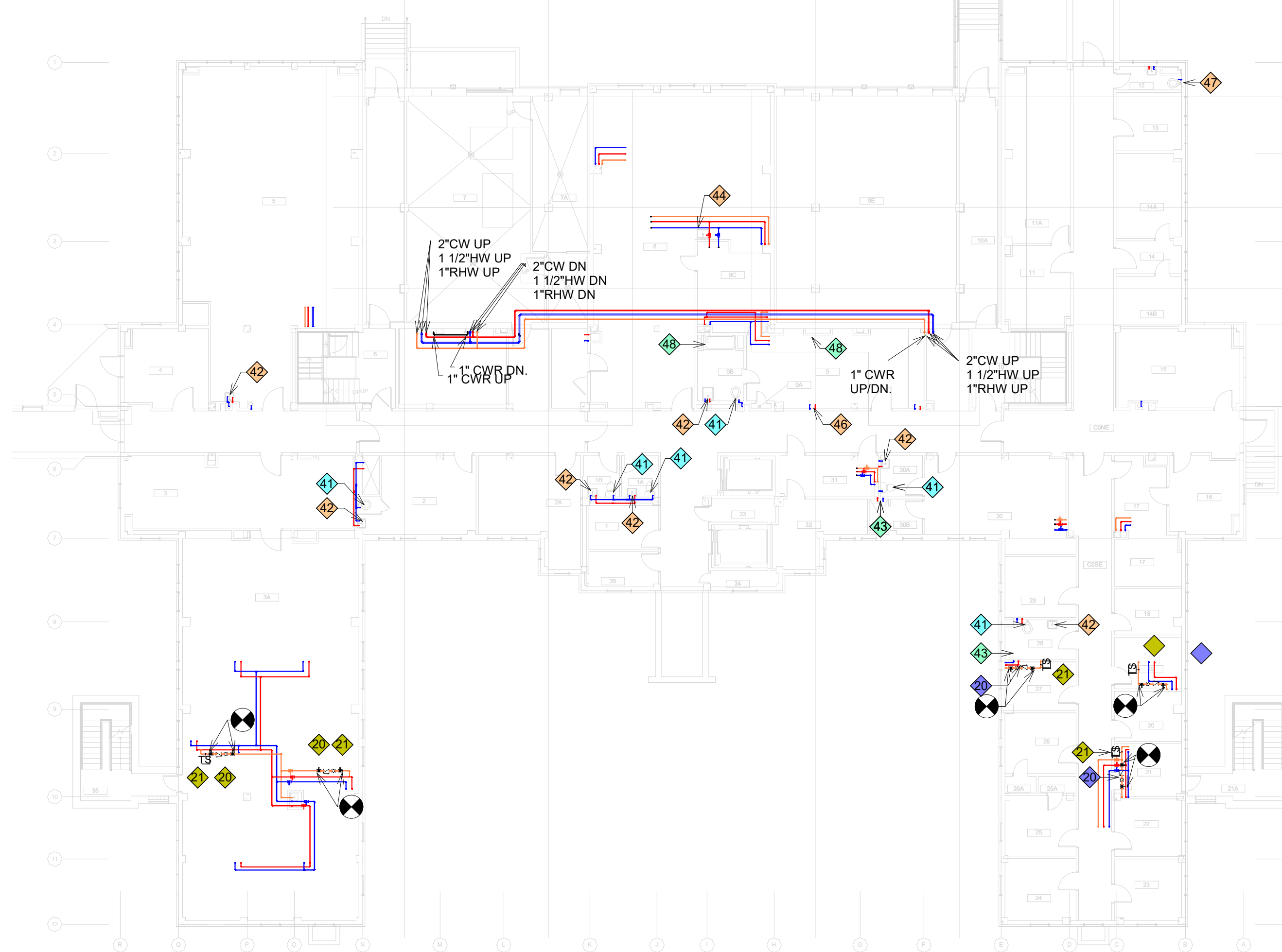
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VA FORM 08 - 6231

WORK DURATION LEGEND

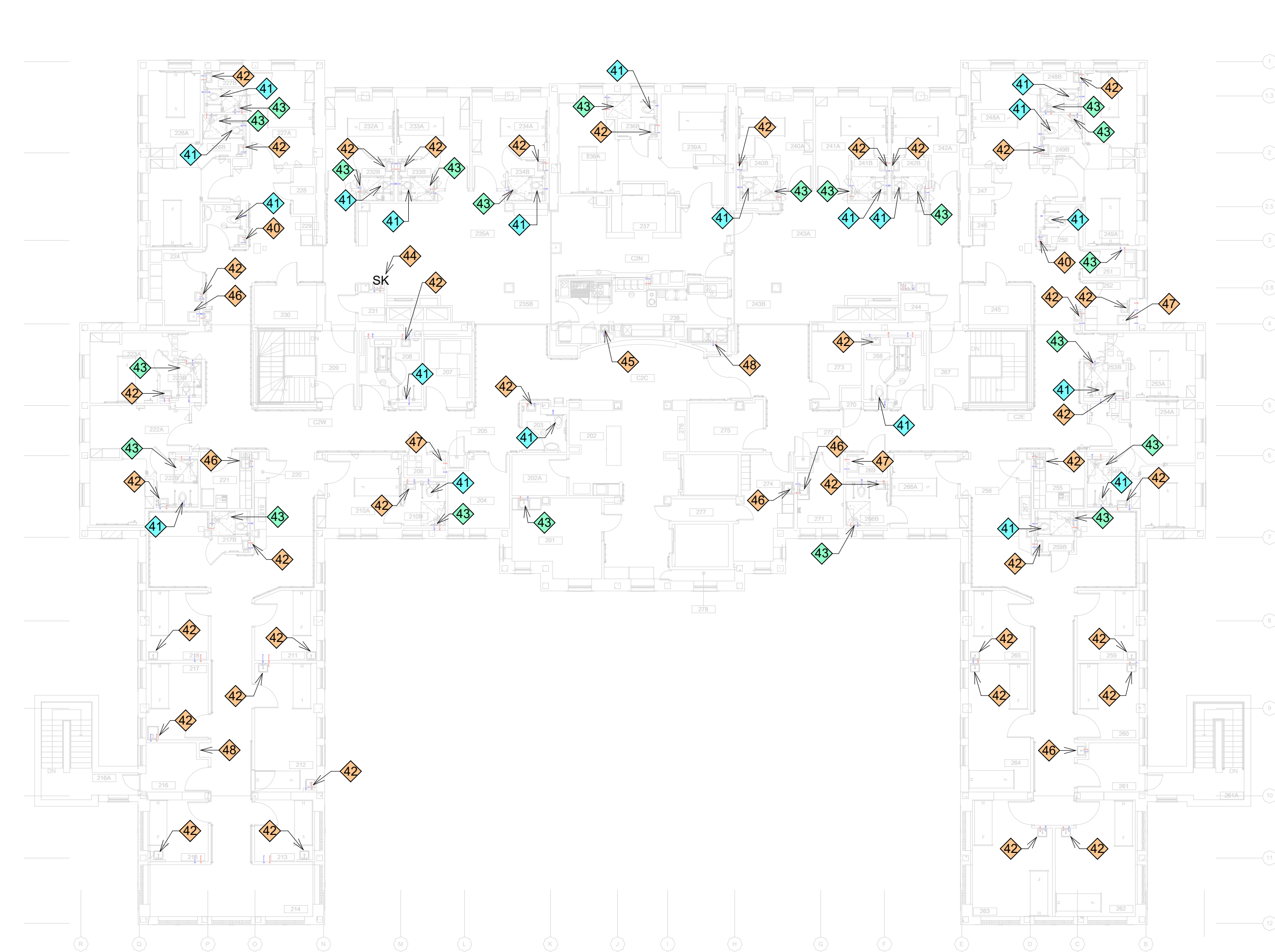
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PHASING NOTES

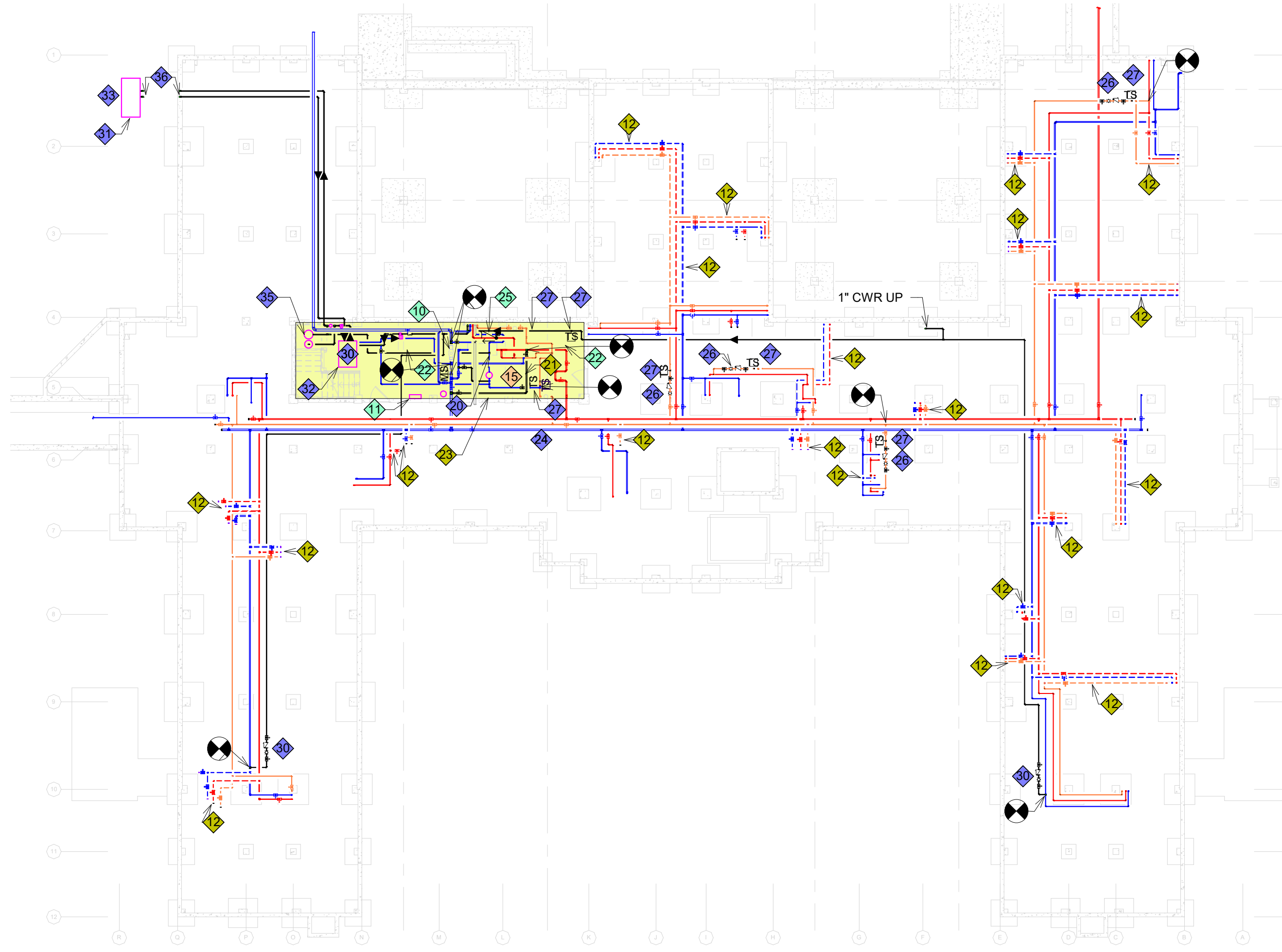
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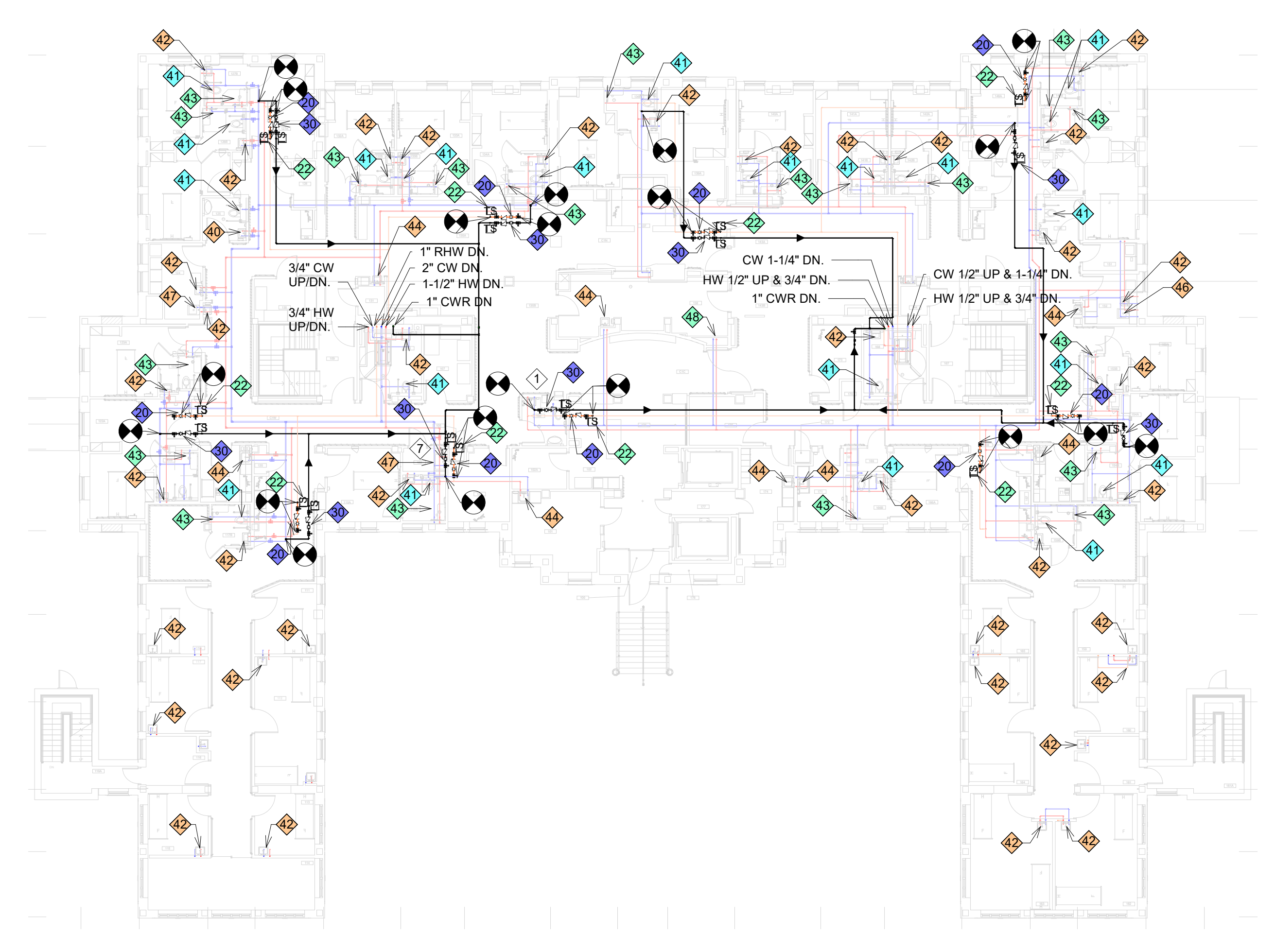
1 BASEMENT LEVEL - PHASING PLAN
1/16" = 1'-0"



4 SECOND LEVEL - PHASING PLAN
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2 CRAWL SPACE PHASING PLAN
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A/E:
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 Signature: *[Signature]*
 Typed or Printed Name: TRUDY STONE-ALL
 Date: 2/2/21 License Number: 51525

Project Title INSTALL LEGIONELLA PREVENTION		Project Number VAF 656-16-284
Location SAINT CLOUD, MN		Building Number MULTIPLE
Phase FINAL CONSTRUCTION DOCUMENTS		Drawing Number G1005
Drawing Title BUILDING 49 - PHASING PLANS		
Issue Date FEB 2, 2021	Checked	Drawn

VA U.S. Department of Veterans Affairs
 Veterans Health Administration
 St. Cloud VA Health Care System

C:_SGA\Revit Local\SI_Cloud_Logon\mills - Building 49 - P19_FINAL_1005.rvt
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 one-quarter inch = one foot
 three-eighths inch = one foot
 one-half inch = one foot
 three-quarters inch = one foot
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WORK DURATION LEGEND

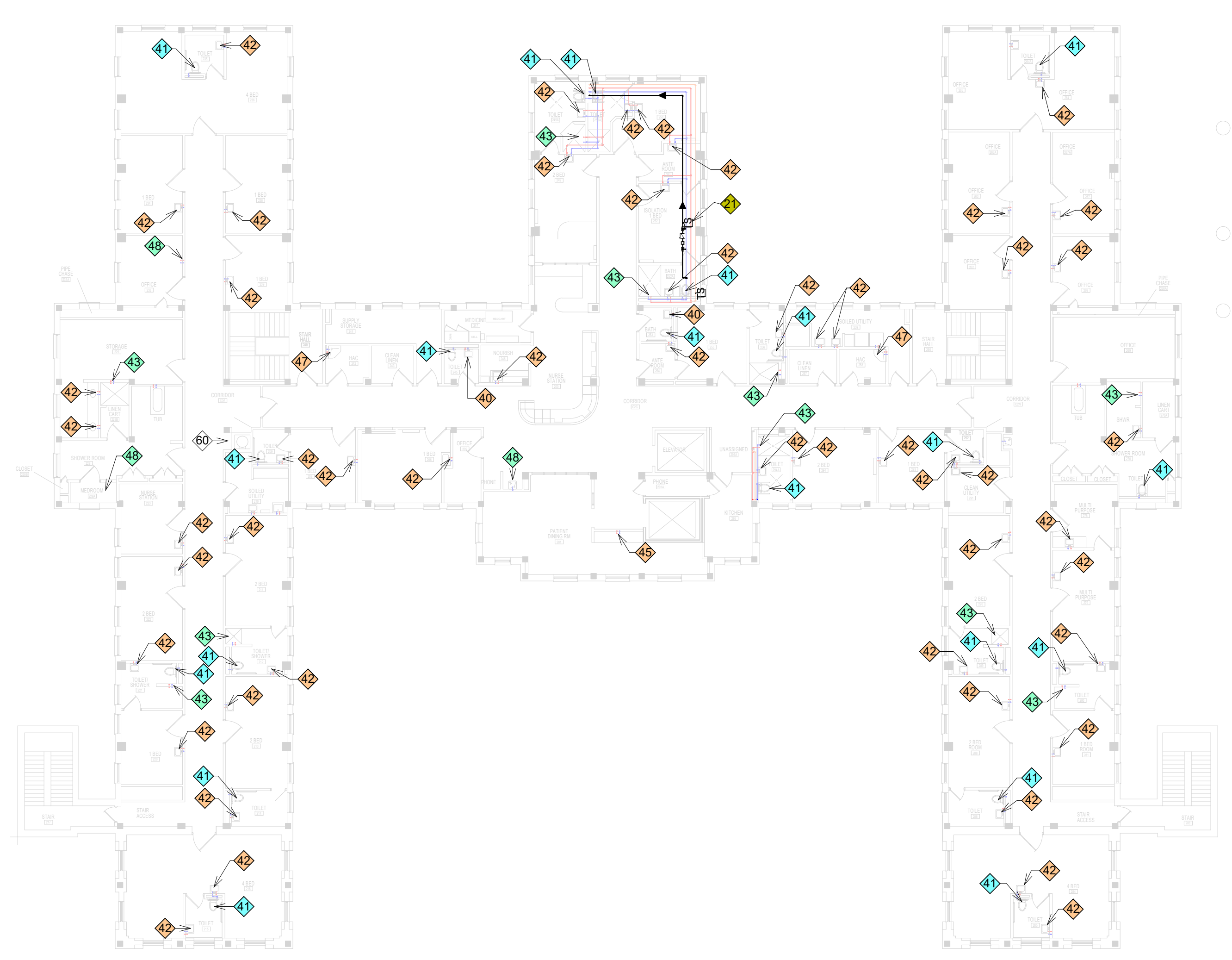
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PHASING NOTES

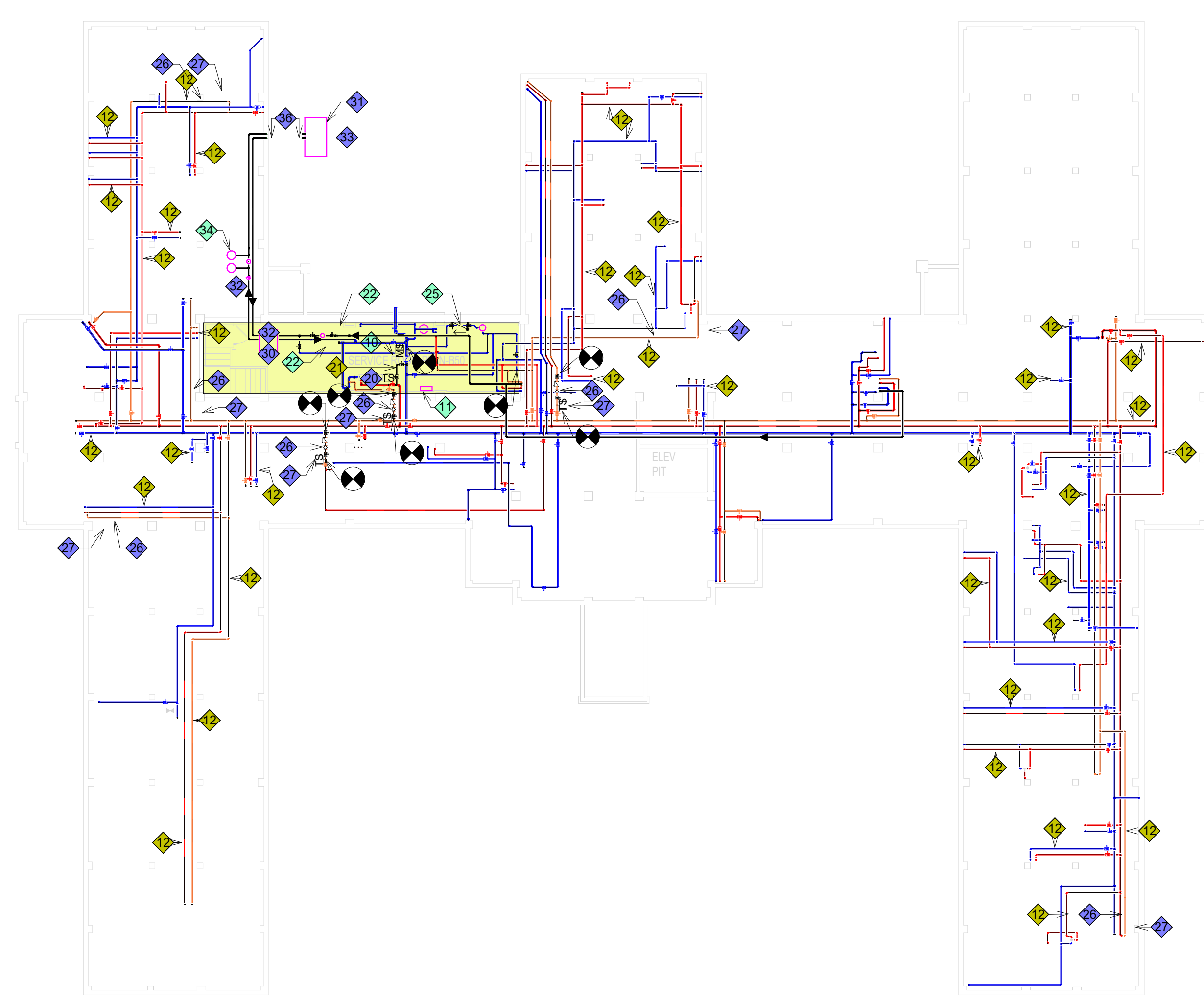
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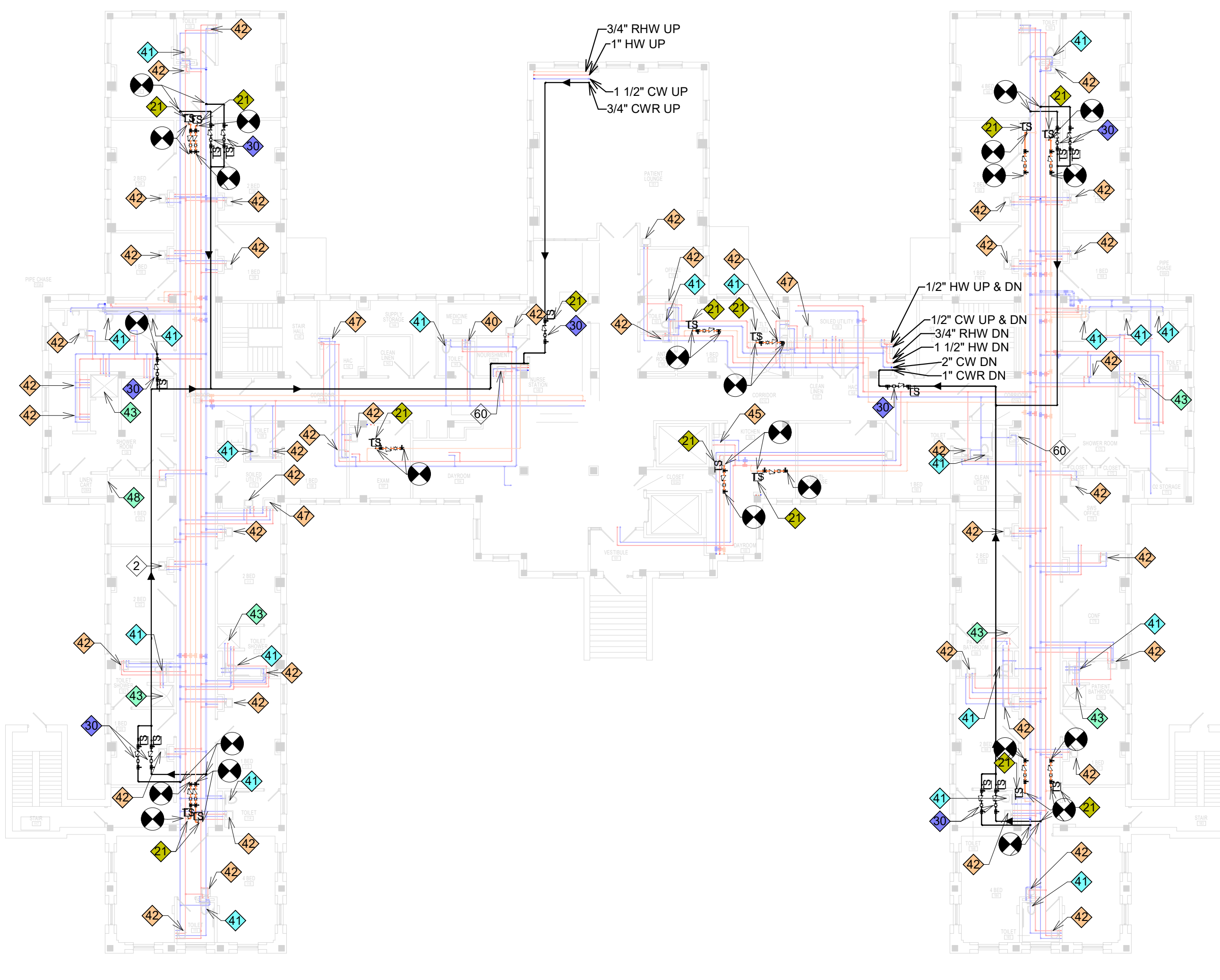
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Project Title
INSTALL LEGIONELLA PREVENTION

Location
SAINT CLOUD, MN

Phase
FINAL CONSTRUCTION DOCUMENTS

Drawing Title
BUILDING 50 - PHASING PLANS

Issue Date
FEB 2, 2021

Checked

Drawn

Project Number
VAF 656-16-284

Building Number
MULTIPLE

Drawing Number
G1006

U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System

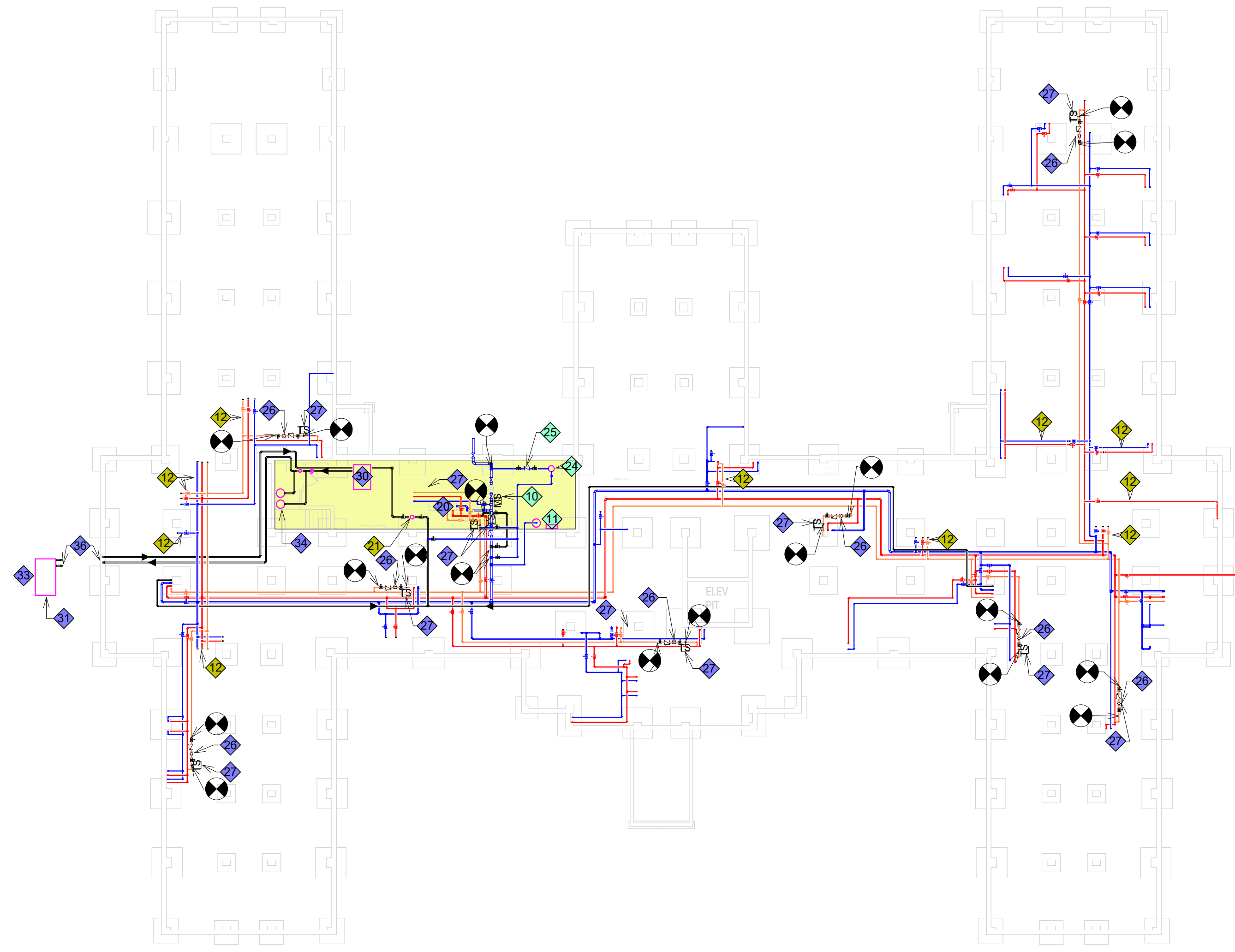
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WORK DURATION LEGEND

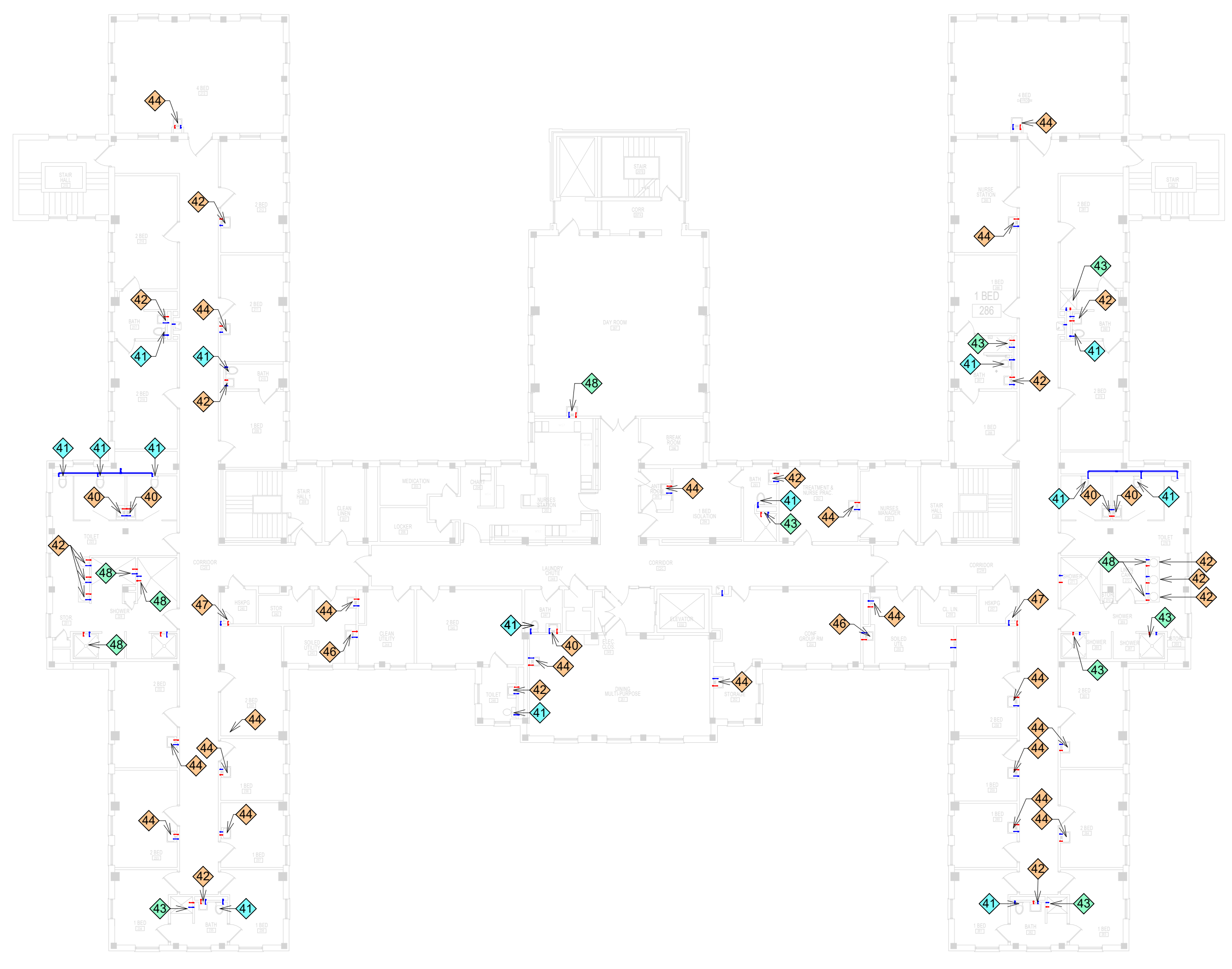
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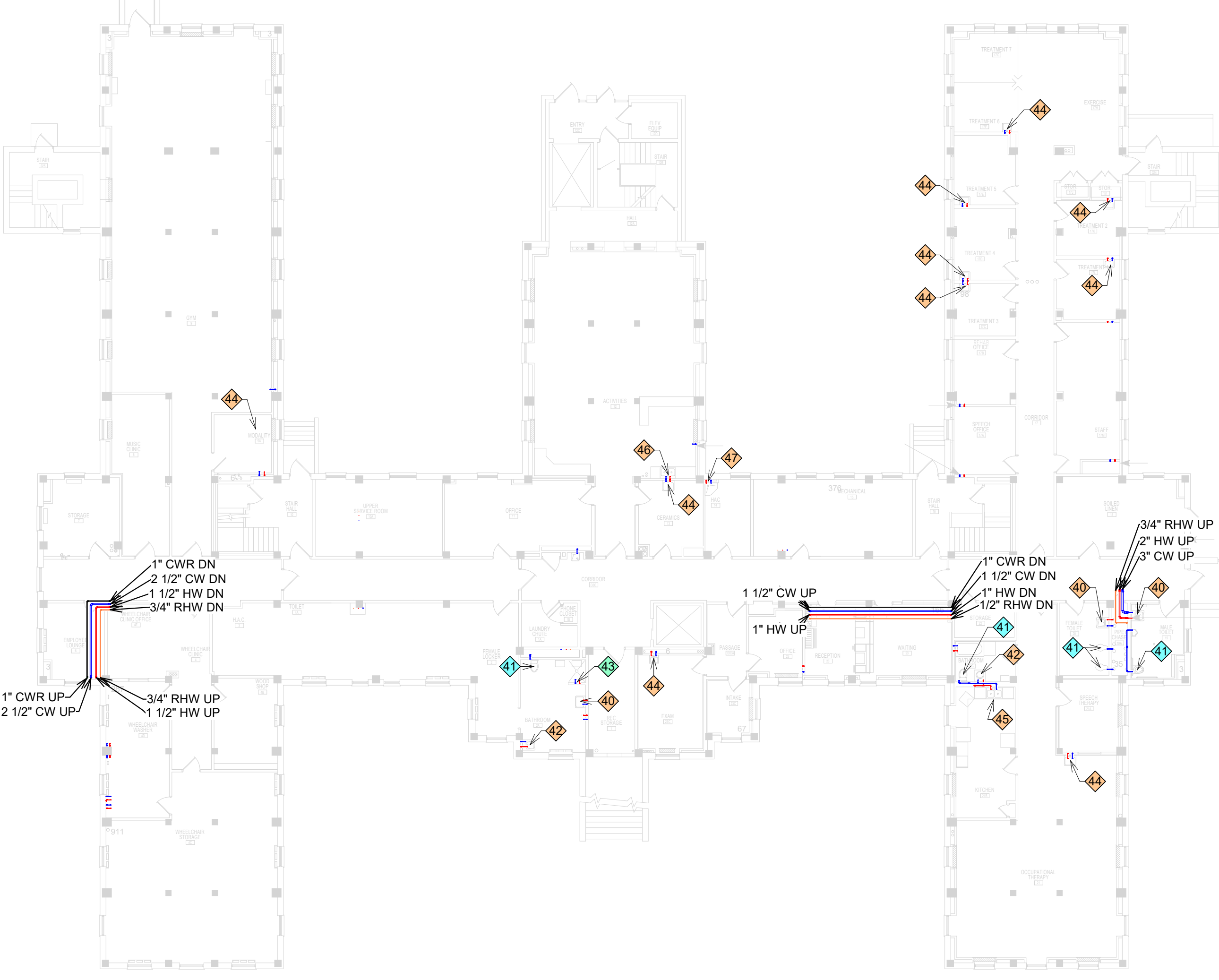
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- CONTRACTOR SHALL LIMIT NUMBER OF SHOWERS WORKED ON AT A TIME TO 1.
- CONTRACTOR WILL BE ALLOWED TO PERFORM WORK ON TWO BUILDINGS SIMULTANEOUSLY, ONLY ONE CLC AT A TIME.
- CONTRACTOR WILL BE ALLOWED TO PERFORM DRY-COOLER/EXTERIOR WORK INDEPENDENT OF INTERIOR WORK PHASING TO AVOID FALL/WINTER WEATHER CONDITIONS. CONTRACTOR SHALL LIMIT WORK TO TWO BUILDINGS AT A TIME.



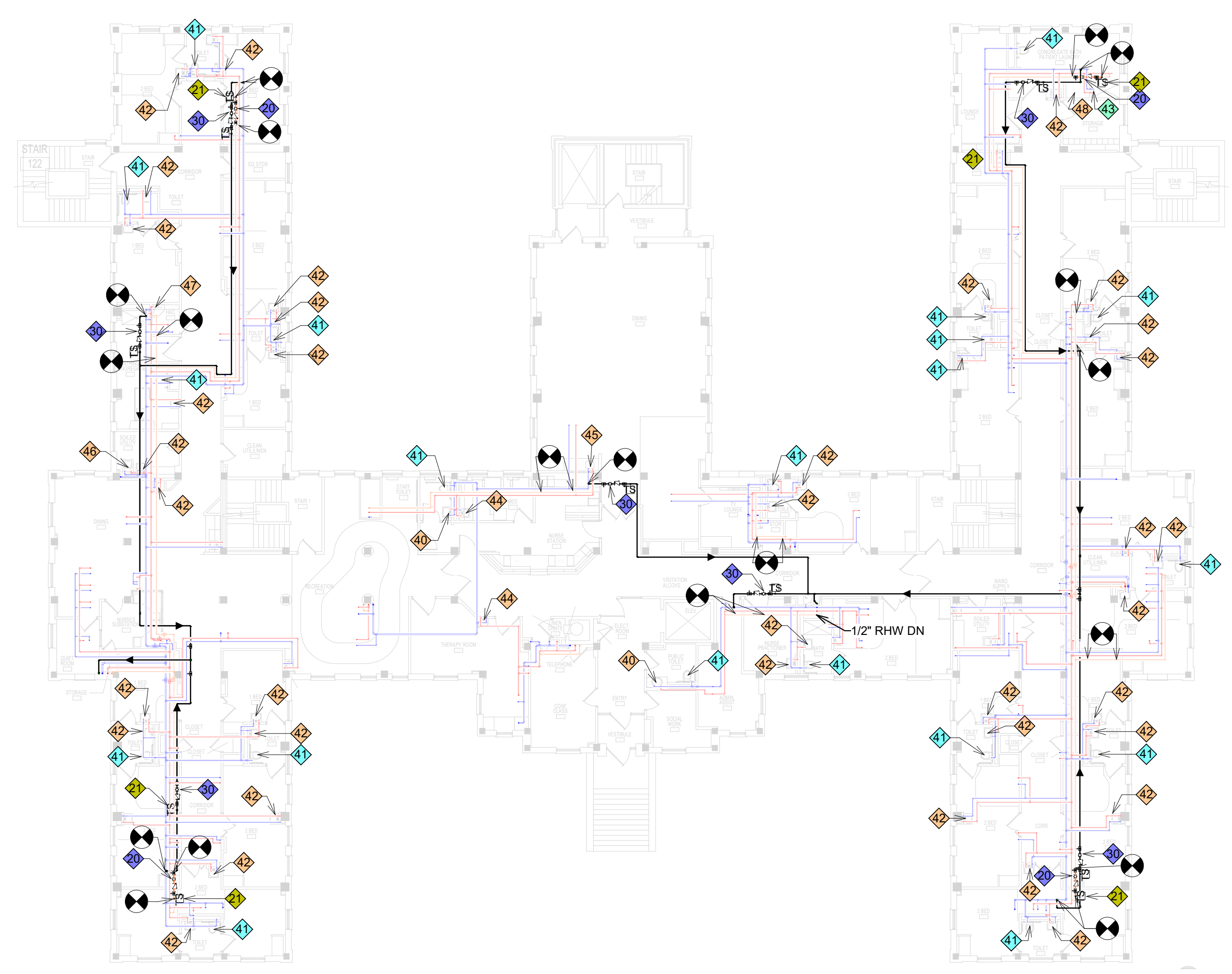
1 CRAWL SPACE - PHASING PLAN
1/16" = 1'-0"



4 SECOND LEVEL - PHASING PLAN
1/16" = 1'-0"




2 BASEMENT LEVEL - PHASING PLAN
1/16" = 1'-0"



3 FIRST LEVEL - PHASING PLAN
1/16" = 1'-0"

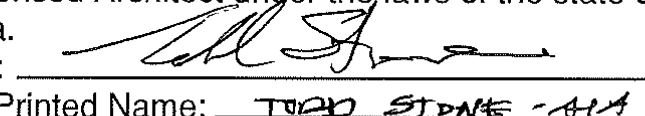
Revision#	Description	Date:

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I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the state of Minnesota.
Signature: 
Typed or Printed Name: TODD STONE AIA
Date: 2/2/21 License Number: 51525

Project Title INSTALL LEGIONELLA PREVENTION		
Location SAINT CLOUD, MN		
Phase FINAL CONSTRUCTION DOCUMENTS		
Drawing Title BUILDING 51 - PHASING PLANS		
Issue Date FEB 2, 2021	Checked	Drawn

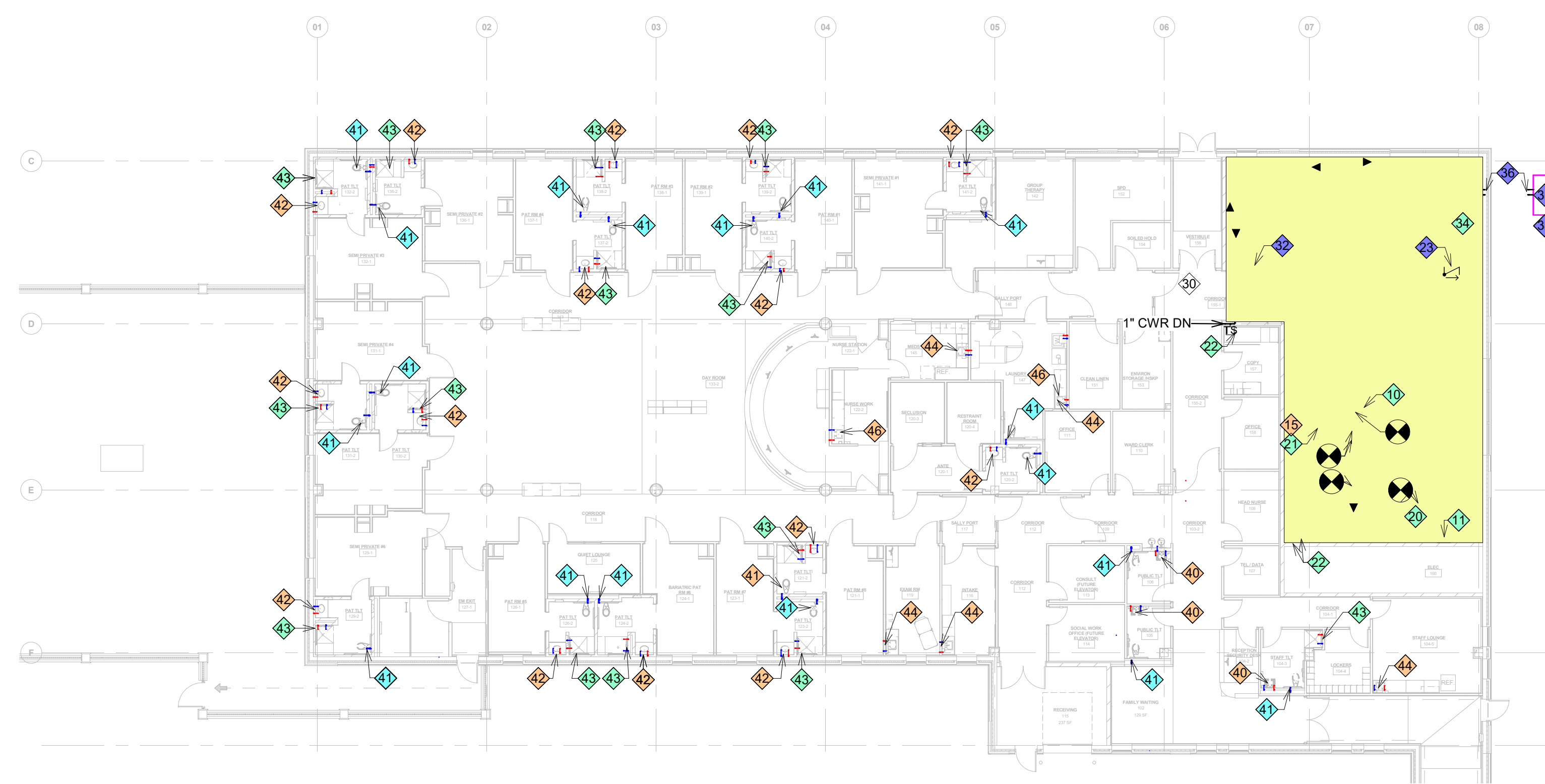
Project Number VAF 656-16-284
Building Number MULTIPLE
Drawing Number G1007



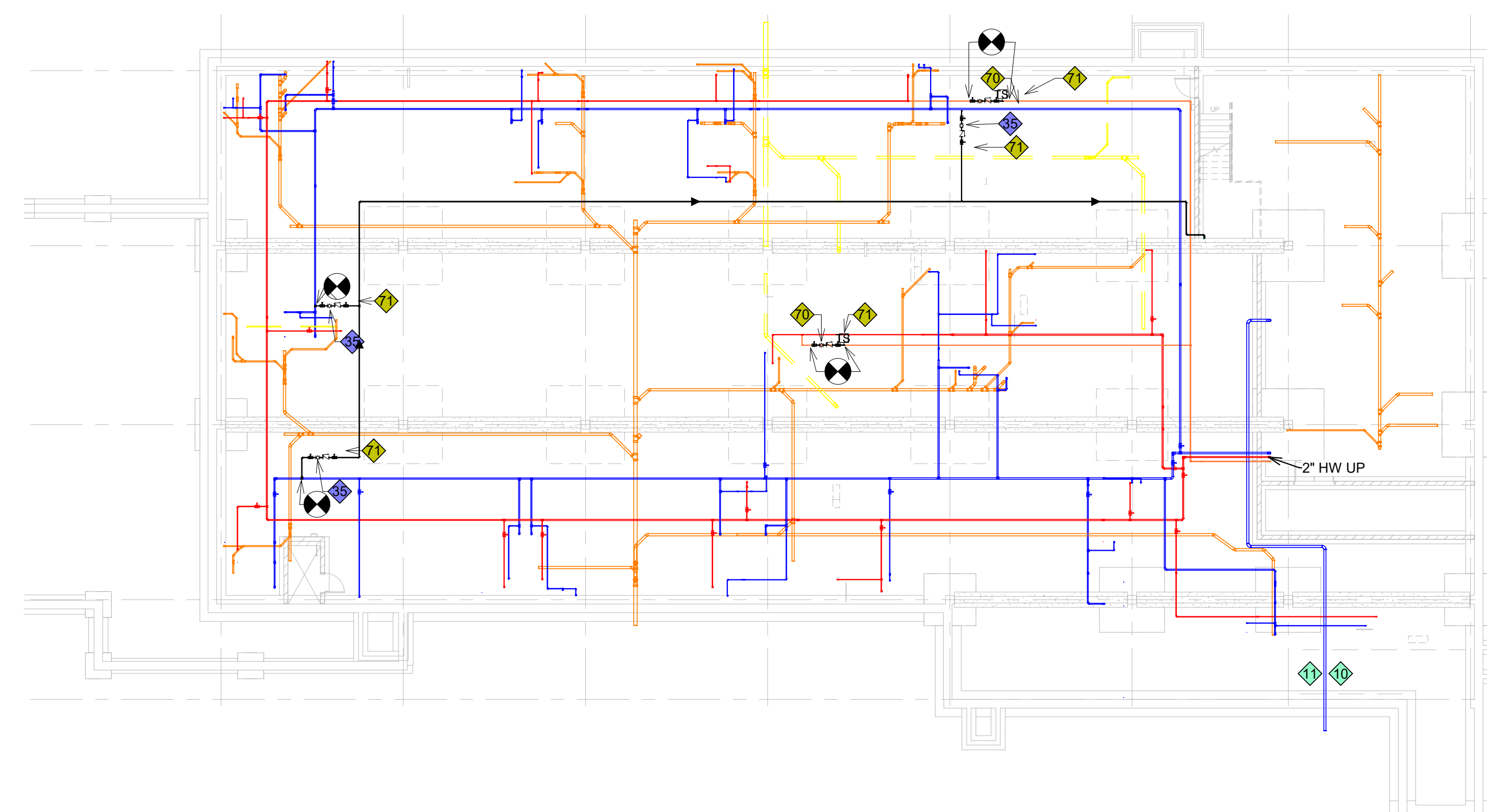

U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System

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VA FORM 08 - 6231

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot



2 GROUND LEVEL - PHASING PLAN
1/16" = 1'-0"



1 CRAWLSPACE - PHASING PLAN
1/16" = 1'-0"

WORK DURATION LEGEND

DURATION NOTE: COLORS REPRESENT ANTICIPATED CONSTRUCTION DURATION, DESCRIBED BELOW, FOR SPECIFIC WORK ITEMS. NUMBERS SHOWN REFERENCE MECHANICAL PLAN NOTES - SEE MECHANICAL PLANS FOR DESCRIPTION OF WORK.

- SHORT DURATION: (START & COMPLETION OF WORK ANTICIPATED TO BE LESS THAN ONE DAY)
- MEDIUM DURATION: (START & COMPLETION OF WORK ANTICIPATED TO BE 2-7 DAYS)
- LONG DURATION: (START & COMPLETION OF WORK ANTICIPATED TO BE 8-14 DAYS)
- PROGRESSIVE DURATION: (WORK TO BE PERFORMED OVER MULTIPLE DAYS, WORK REQUIRING OUTAGES TO BE PERFORMED AFTER HOURS & WEEKENDS)
- FULL DURATION: (WORK ANTICIPATED TO BE ONGOING FOR THE DURATION OF TIME NEEDED TO COMPLETE ALL WORK IN BUILDING, MAY ALSO REQUIRE AFTER HOURS/WEEKEND WORK FOR OUTAGES)
- EXISTING FIXTURE TO REMAIN UNMODIFIED BY THIS CONTRACT.

PHASING NOTES

- CONTRACTOR SHALL PERFORM ALL WORK WITHIN A PHASE AND RECEIVE VA SIGNOFF FOR WORK COMPLETION PRIOR TO COMMENCING WORK ON NEXT PHASE.
- CONTRACTOR TO COORDINATE FLOOR TO FLOOR WORK FLOW DAILY WITH VA.
- CONTRACTOR TO COORDINATE OUTAGES SCHEDULING WITH VA PRIOR TO ANY SHUTDOWNS.
- CONTRACTOR SHALL LIMIT NUMBER OF SINKS WORKED ON PER DAY TO 3.
- CONTRACTOR SHALL LIMIT NUMBER OF TOILETS WORKED ON PER DAY TO 2.
- CONTRACTOR SHALL LIMIT NUMBER OF SHOWERS WORKED ON AT A TIME TO 1.
- CONTRACTOR WILL BE ALLOWED TO PERFORM WORK ON TWO BUILDINGS SIMULTANEOUSLY, ONLY ONE CLC AT A TIME.
- CONTRACTOR WILL BE ALLOWED TO PERFORM DRY-COOLER/EXTERIOR WORK INDEPENDENT OF INTERIOR WORK PHASING TO AVOID FALL/WINTER WEATHER CONDITIONS. CONTRACTOR SHALL LIMIT WORK TO TWO BUILDINGS AT A TIME.

KEY NOTES: BASE BID WORK TO BE DELETED UNDER ACCEPTING OF DEDUCT ALTERNATE #4

- 20 ENSURE THAT THE BUILDING'S HOT WATER SYSTEM CAN GENERATE UP TO 180F WATER. THE EXISTING DIGITAL MIXING VALVE IS CAPABLE OF BEING SET TO MAINTAIN ENTIRE LOOP ABOVE 134F AT ALL TIMES, AND BYPASS 100% HOT WATER AT 160F DURING THERMAL ERADICATION CYCLES (ON HOT SIDE OF WATER ONLY).
 - 21 PROVIDE 2" CROSS-CONNECT VALVE FROM HOT TO COLD SIDE OF SYSTEM. FOR THERMAL ERADICATION OF COLD WATER SIDE OF THE SYSTEM, ALSO INCLUDE DRAIN VALVE PRIOR TO RECIRCULATION PUMP INSTALLED FOR COLD WATER PIPING. PROVIDE LOCKABLE VALVES AND TAG-OUT SYSTEM DUE TO POTENTIAL DAMAGE TO PLUMBING FIXTURES AND SCALDED RISKS TO STAFF/PATIENTS.
 - 22 PROVIDE TEMPERATURE SENSORS NEARBY EACH CIRC. PUMP INLET FOR BOTH HOT AND COLD CIRC. PUMPS) AND AT MAIN HOT WATER SERVICE DOWNSTREAM OF MIXING VALVE. INTEGRATE INTO BUILDING AUTOMATION, REFER TO SEQUENCE OF OPERATION FOR MONITORING AND ALARM CONDITIONS.
 - 23 PROVIDE 1" RPZ BACKFLOW PREVENTOR FOR BOTH CONDENSATE COOLER CONNECTION AND FOR GLYCOL FEED PUMP MAKE-UP WATER. MOUNT RPZ TO WALL AND ROUTE DISCHARGE DRAIN TO EXISTING FLOOR DRAIN IN THIS AREA.
- NOTE: UNDER ACCEPTANCE OF DEDUCT ALTERNATE #4 THE FOLLOWING SIMPLIFIED FLUSH SYSTEM SHALL REPLACE WHAT IS SHOWN ON BASE BID DRAWINGS.
- PROVIDE 2" CROSS-OVER PIPING FROM HOT WATER GENERATOR TO COLD WATER SIDE OF SYSTEM NEAR MAIN SERVICE, SIMILAR TO THAT SHOWN UNDER KEYNOTE #21 UNDER THE THERMAL FLUSH SYSTEM OPTION. FINAL CONNECTIONS SHALL BE TERMINATED WITH THREADED UNIONS THAT CAN BE DISCONNECTED WHILE NOT IN SERVICE. BALL VALVES ON EITHER END SHALL BE LOCKED AND TAGGED OUT PER VA SAFETY REQUIREMENTS.
- NOTE: UNDER THIS SIMPLIFIED THERMAL FLUSHING OPTION THE 180 DEGREE WATER UTILIZED WILL BE DISCHARGED INTO INDIVIDUAL FIXTURES. MIN PLUMBING CODE PROHIBITS DRAINING FLUIDS IN EXCESS OF 140 DEGREES DIRECTLY INTO SANITARY SERVICE. VA WILL BE REQUIRED TO PROVIDE THEIR OWN PROVISIONS OF FURNISHING ICE OR COLD MAKE-UP WATER AT EACH FIXTURE BEING FLUSHED TO COOL DISCHARGE WATER BELOW THIS REQUIREMENT.

KEY NOTES: BASE BID WORK TO BE DELETED UNDER ACCEPTING OF DEDUCT ALTERNATE #3

- 30 PROVIDE CENTRALIZED CHILLER/PURIFIER SYSTEM FOR COOLING WATER ON COLD WATER SIDE BY CONTINUOUSLY CIRCULATING THROUGH THIS SYSTEM. SYSTEM SHALL HAVE AN INTEGRATED PUMP FOR CONTINUAL FLOW, COOLING TANK AND EVAPORATOR, IN-LINE UV STERILIZER, PHOSPHATE FEEDER, AND 5 MICRON PRE-FILTER AND CARBON BLOCK. BUILDING SHALL HAVE AN AUTOMATED DRAIN/FLUSH VALVE FOR THE THERMAL ERADICATION (SIMILAR ON HOT SIDE). CHILLER TO BE SUPPLIED IS THE FILTRINE MODEL ES-40-RFC WHICH PERFORMS AT 8 GPM CIRCULATION AT 15 PSI.
- 31 PROVIDE WATER COOLED COMPRESSOR OPTION ON CHILLERS AND PAIR THAT WITH A DRY COOLER SYSTEM TO REJECT HEAT TO EXTERIOR OF BUILDING. DRY COOLER SHALL INCLUDE PUMPING PACKAGE AND EXPANSION TANK WITH WEATHER PROOF ENCLOSURE. REFER TO EQUIPMENT SCHEDULE.
- 32 TEMPORARILY REMOVE METAL STAIRS TO MAKE CLEARANCE TO INSTALL WATER CHILLER UNIT UNDER STAIR LANDING. CONTRACTOR TO VERIFY SIZE OF 4" CONCRETE EQUIPMENT PAD NECESSARY WITH SHOP DRAWINGS.
- 33 CLEAR OUT ANY LANDSCAPING AS REQUIRED TO POUR AN 8" CONCRETE SLAB TO INSTALL DRY COOLER. VERIFY DRY COOLER IS AT LEAST 60" FROM BUILDING AND/OR CLEAR OF POTENTIAL FALLING ICE/SNOW DAMAGE FROM OVERHANGING STRUCTURE.
- 34 PROVIDE A GLYCOL FILL STATION PER EQUIPMENT SCHEDULE VERIFY OPTIMAL PLACEMENT FOR ACCESSIBILITY AND COORDINATE ELECTRICAL CONNECTIONS. ALSO PROVIDE A 3/4" RPZ BACKFLOW PREVENTER TIED INTO COLD WATER SERVICE FOR MAKE-UP WATER TO CLOSED SYSTEM. REFER TO DETAIL 1P1600.
- 35 PROVIDE COLD WATER RECIRCULATION BALANCING VALVE ASSEMBLY WITH 3/4" CIRCUIT SETTER, CHECK VALVE, AND ISOLATION VALVES ON BOTH SIDE FOR MAINTENANCE. ADJUST TO 1 GPM FLOW ON COMPLETION ON INSTALL. ALSO INCLUDE A TEMPERATURE SENSOR DOWNSTREAM OF BALANCING VALVE AND INTEGRATE INTO BUILDING AUTOMATION TO HELP IN BOTH TROUBLESHOOTING ISSUES, AND SETTING UP PROPER BALANCING OF COLD WATER CIRCULATION SYSTEM.
- 36 PENETRATE EXTERIOR WALL APPROXIMATELY 24"-48" BELOW GRADE THROUGH LINKSAL ASSEMBLY. ALL UNDERGROUND PIPING INSULATION TO BE COVERED WITH ALUMINUM JACKETING PER SPECIFICATIONS. ANY PIPING BURIED ABOVE FROST LINE SHALL BE COVERED WITH 2" OF FIBERGLASS INSULATION AS REQUIRED WHILE INFILLING. PIPING SHALL OFFSET UP TO DRY-COOLER AS CLOSE AS POSSIBLE TO LIMIT LENGTH OF EXPOSED PIPING.

KEY NOTES: BASE BID WORK TO BE DELETED UNDER ACCEPTING OF DEDUCT ALTERNATE #2

- 70 REPLACE ALL EXISTING BALANCING VALVES WITH NEW MANUAL CIRCUIT SETTERS ASSEMBLIES.

KEY NOTES: BASE BID WORK TO BE DELETED UNDER ACCEPTING OF DEDUCT ALTERNATE #1

- 71 PROVIDE TEMPERATURE SENSORS AT EACH NEW CIRCUIT SETTER ASSEMBLY DESCRIBED IN CLIN 2101. THESE TEMPERATURE SENSORS SHALL BE TIED INTO BUILDING AUTOMATION BY JCI AND HELP IN BOTH TROUBLESHOOTING ISSUES, AND TO SET UP PROPER BALANCING OF HOT WATER RECIRCULATION SYSTEM.

0 CRAWLSPACE & GROUND LEVEL KEYNOTES
NO SCALE

KEY NOTES: BASE BID - SYSTEM

- 10 SENSOR WELL TAPS TO BE INSTALLED ON 4" SERVICE WITHIN MECHANICAL ROOM. INSTALL SENSOR TAPS WITH A REMOVABLE SPOOL PIECE WITH END FLANGES THAT CAN BE EASILY REMOVED AND REPLACE FOR SERVICE. PROVIDE AN EXTRA SPOOL PIECE WITH FLANGED ENDS FOR EMERGENCY REPLACEMENT IF NECESSARY. SEE DETAIL 1P1600 CONTROLLER MAY BE REMOTE MOUNTED WITHIN THIS SAME MECHANICAL ROOM. REFER TO KEY NOTE #11.
- 11 PROVIDE A MASTER MONITORING STATION TO BE ADDED TO WATER SERVICE ENTERING THE BUILDING. THIS WILL CONTINUALLY MONITOR THE TEMPERATURE, pH LEVEL, PRESSURE, TOTAL DISSOLVED SOLIDS (TDS), AND FREE CHLORINE LEVEL. INTEGRATE ALL MONITORED POINTS INTO CAMPUS AUTOMATION SYSTEM FOR REMOTE MONITORING/ALARM.

KEY NOTES: BASE BID - FIXTURES

- 40 PUBLIC RESTROOMS, REPLACE LAVATORY FAUCETS WITH NEW TOUCH-FREE SENSOR FAUCETS WITH INTEGRATED SCALD PROTECTION, CHICAGO MODEL EQ-A11C SERIES OR EQUAL. EVERY SINK, REPLACE EXISTING ANGLE WALL STOP VALVE WITH CHICAGO MODEL 1017-CSTABCP TO WITHSTAND 180F THERMAL FLUSH. ALL SINKS WITH EXISTING MIXING VALVE. CONTRACTOR SHALL TEST EXISTING MIXING VALVE AND INSTALL 3/8" SEAMLESS TUBE BYPASS AROUND BOTH HOT AND COLD WATER SIDE WITH QUARTER TURN VALVE. SEE DETAIL.
- 41 TOILETS AND/OR URINALS TO REMAIN UNMODIFIED BY THIS CONTRACT. VA SHALL DEVELOP PLAN TO PROTECT FLOUSMETERS DURING THERMAL ERADICATION PROCESS.
- 42 PATIENT LAVATORIES ALL HAVE RECENTLY INSTALLED ANTI-LIGATURE FIXTURES WITH EXISTING ASSE 1070 COMPLIANT MIXING VALVES TO REMAIN IN PLACE. AT EVERY SINK, REPLACE EXISTING ANGLE WALL STOP VALVE WITH CHICAGO MODEL 1017-CSTABCP TO WITHSTAND 180F THERMAL FLUSH (delete integral check on cold side under air fit). ANY SINKS WITH EXISTING MIXING VALVES. CONTRACTOR SHALL TEST EXISTING MIXING VALVE AND INSTALL 3/8" SEAMLESS TUBE BYPASS AROUND BOTH HOT AND COLD WATER SIDE WITH QUARTER TURN VALVE. SEE DRAWING DETAILS.
- 43 FOR SHOWERS WITH ANTI-LIGATURE HANDLES, A CHICAGO MODEL 131-CFMAB MIXING VALVE SHALL PROTECT HOT WATER SIDE OF EXISTING SHOWER MIXING VALVE. VERIFY THAT IT IS INSTALLED IN A LOCATION SERVICEABLE FROM FLOOR WITHIN SECURE/LOCKABLE ACCESS PANELS TO CONCEAL (OR IS SERVICEABLE FROM CRAWLSPACE BELOW). INCLUDE 3/8" CROSS-OVER CONNECTION UNDER ALT #3, SEE DRAWING DETAILS.
- 44 CLINIC/EXAM ROOM SINKS TO UTILIZE EXISTING UNDER COUNTER MIXING VALVES IN COMPLIANCE WITH ASSE 1070. TO PROTECT HOT WATER SIDE, MIXING VALVES SHOULD BE ABLE TO HANDLE WATER UP TO 180F TO AVOID DAMAGE DURING ERADICATION. EVERY SINK, REPLACE EXISTING ANGLE WALL STOP VALVE WITH CHICAGO MODEL 1017-CSTABCP TO WITHSTAND 180F THERMAL FLUSH. ALL SINKS WITH EXISTING MIXING VALVE. CONTRACTOR SHALL TEST EXISTING MIXING VALVE AND INSTALL 3/8" SEAMLESS TUBE BYPASS AROUND BOTH HOT AND COLD WATER SIDE WITH QUARTER TURN VALVE. SEE DETAIL.
- 45 NOT USED
- 46 DROP-IN STAINLESS STEEL OR INTEGRAL BOWL SINKS, PROVIDE UNDER COUNTER MIXING VALVES LISTED FOR ASSE 1070 COMPLIANCE, CHICAGO MODEL 131-CFMAB OR EQUAL. EVERY SINK, REPLACE EXISTING ANGLE WALL STOP VALVE WITH CHICAGO MODEL 1017-CSTABCP TO WITHSTAND 180F THERMAL FLUSH. ALL SINKS WITH EXISTING MIXING VALVE. CONTRACTOR SHALL TEST EXISTING MIXING VALVE AND INSTALL 3/8" SEAMLESS TUBE BYPASS AROUND BOTH HOT AND COLD WATER SIDE WITH QUARTER TURN VALVE. SEE DETAIL.
- 47 FOR MOP SINKS, REVIEW LEVEL OF RISK WITH THE VA, WHERE FIXTURE CAN HANDLE THE ELEVATED TEMPERATURES OF THE THERMAL ERADICATION PROCESS IT IS ACCEPTABLE TO KEEP THOSE AS-IS. EVERY SINK, REPLACE EXISTING ANGLE WALL STOP VALVE WITH CHICAGO MODEL 1017-CSTABCP TO WITHSTAND 180F THERMAL FLUSH. ALL SINKS WITH EXISTING MIXING VALVE. CONTRACTOR SHALL TEST EXISTING MIXING VALVE AND INSTALL 3/8" SEAMLESS TUBE BYPASS AROUND BOTH HOT AND COLD WATER SIDE WITH QUARTER TURN VALVE. SEE DETAIL.

Revision#	Description	Date:

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I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the state of Minnesota.

Signature: *[Signature]*
 Typed or Printed Name: **TOOD STONE AIA**
 Date: **2/2/21** License Number: **51525**

Project Title INSTALL LEGIONELLA PREVENTION		
Location SAINT CLOUD, MN		
Phase FINAL CONSTRUCTION DOCUMENTS		
Drawing Title BUILDING 115 - PHASING PLANS		
Issue Date FEB 2, 2021	Checked	Drawn

Project Number
VA# 656-16-284

Building Number
MULTIPLE

Drawing Number
G1008



GENERAL NOTES: ICRA - LOW RISK

FULL ALL AREAS THAT THE INFECTION CONTROL REPRESENTATIVE DEEMS AS LOW RISK WITHIN THE CORRESPONDING INFECTION CONTROL RISK ASSESSMENT (ICRA) THE FOLLOWING MINIMUM REQUIREMENTS SHALL BE MAINTAINED WHILE PERFORMING WORK:

- KEEP DOOR CLOSED TO ROOM OR SPACE WHENEVER WORK IS BEING PERFORMED. NO TAPE OR SEALING OF DOOR PERIMETER WILL BE REQUIRED.
- PROVIDE SIGNAGE ON DOOR TO RESTRICT ACCESS TO ONLY THOSE INVOLVED WITH CONSTRUCTION ACTIVITIES ON INSPECTION.
- UTILIZE A MOBILE HEPA FILTER TO BE WITHIN 15' OF ANY AREA WHERE WALL ANCHORS ARE BEING DRILLED, OR OTHER DUST FORMING ACTIVITIES WILL OCCUR, TO MANAGE DUST AND CONSTRUCTION DEBRIS WITHIN SPACE.
- FULLY CLEAN AREA UPON COMPLETION OF WORK.

GENERAL NOTES: ICRA - MODERATE

FULL ALL AREAS THAT THE INFECTION CONTROL REPRESENTATIVE DEEMS AS MODERATE RISK WITHIN THE CORRESPONDING INFECTION CONTROL RISK ASSESSMENT (ICRA) THE FOLLOWING MINIMUM REQUIREMENTS SHALL BE MAINTAINED WHILE PERFORMING WORK:

- CLOSE DOOR TO SPACE AND SEAL PERIMETER WITH TAPE, TEMPORARY GASKETING, OR POLY SHEETING AS REQUIRED TO HOLD A TIGHT SEAL.
- IF THE PLUMBING FIXTURES IS/ARE BEING MODIFIED IN AN OPEN AREA WHERE STAFF OR PATIENTS ARE LOCATED THEN CONTRACTOR WILL PROVIDE A POLY BARRIER AROUND THE ENTIRE WORK ZONE WITH HEPA FILTERS ON BOTH THE INSIDE AND OUTSIDE OF THE ENCLOSURE.
- PROVIDE SIGNAGE ON DOOR TO RESTRICT ACCESS TO ONLY THOSE INVOLVED WITH CONSTRUCTION ACTIVITIES OR INSPECTIONS.
- UTILIZE A MOBILE HEPA FILTERS TO BE WITHIN 15' OF ANY AREA WHERE WALL ANCHORS ARE BEING DRILLED, OR OTHER DUST FORMING ACTIVITIES WILL OCCUR, TO MANAGE DUST AND CONSTRUCTION DEBRIS WITHIN SPACE.
- COVER ALL SENSITIVE EQUIPMENT WITHIN ROOM WITH POLY SHEETING TO PROTECT FOR DUST AND DEBRIS. OR ALTERNATIVELY A TEMPORARY POLY BARRIER WITH ZIPPER ENTRY, CAN BE INSTALLED DIRECTLY AROUND THE AREAS REQUIRING MODIFICATION.
- UPON COMPLETION OF WORK REMOVE ALL POLY BARRIERS, COVERS, TAPE OR GASKETING, AND MATERIALS USED DURING CONSTRUCTION. CLEAN THE SPACE TO ORIGINAL CONDITION PRIOR TO TURNING OVER TO VA STAFF FOR USE AND/OR FINAL TERMINAL CLEANING.

GENERAL NOTES: ICRA - HIGH RISK

FULL ALL AREAS THAT THE INFECTION CONTROL REPRESENTATIVE DEEMS AS HIGH RISK WITHIN THE CORRESPONDING INFECTION CONTROL RISK ASSESSMENT (ICRA) THE FOLLOWING MINIMUM REQUIREMENTS SHALL BE MAINTAINED WHILE PERFORMING WORK:

- PROVIDE AIRLOCK VESTIBULE INTO CONSTRUCTION AREA. SECOND DOOR MAY BE THE EXISTING ACCESS INTO SPACE WITH AIRLOCK VESTIBULE CONSTRUCTED WITH SOLID WALLS AND LATCHING DOOR.
- PROVIDE SIGNAGE ON DOOR TO RESTRICT ACCESS TO ONLY THOSE INVOLVED WITH CONSTRUCTION ACTIVITIES OR INSPECTIONS.
- POSITION PORTABLE HEPA FILTERS BOTH INSIDE CONSTRUCTION AREA, AND JUST OUTSIDE OF AIRLOCK VESTIBULE ENTRY POINT.
- PROVIDE VISIBLE ROOM PRESSURE INDICATOR AT CONSTRUCTION BOUNDARIES. IF EQUIPMENT CANNOT BE TEMPORARILY RELOCATED THAN CONTRACTOR SHALL TIGHTLY SEAL EACH PIECE TO GUARENTEE PROTECTION AGAINST DUST GENERATED IN SPACE.
- REMOVE ANY SENSITIVE EQUIPMENT FROM WITHIN CONSTRUCTION BOUNDARIES. IF EQUIPMENT CANNOT BE TEMPORARILY RELOCATED THAN CONTRACTOR SHALL TIGHTLY SEAL EACH PIECE TO GUARENTEE PROTECTION AGAINST DUST GENERATED IN SPACE.
- COORDINATE ACCESS TO/FROM CONSTRUCTION SITE WITH DEPARTMENT MANAGERS AND PERFORM ANY TRANSPORT OF DEMOLISHED MATERIALS DURING PREMIUM HOURS IF NECESSARY.
- CONFIRM ACCEPTABLE LIMITS OF NOISE WITH DEPARTMENT MANAGER AND ANY APPLICABLE TIME SCHEDULES WHERE NO NOISE, OR LIMITED WORK LIMITATIONS, COULD BE ENFORCED.
- CLEAN SPACE AFTER EACH WORK SHIFT. UPON COMPLETION OF WORK, ALL TEMPORARY BARRIERS AND AIRLOCKS SHALL BE COMPLETELY REMOVED AND CLEANED TO ORIGINAL CONDITION. COORDINATE TERMINAL CLEANING WITH VA REPRESENTATIVES PRIOR TO TURNING BACK OVER TO HOSPITAL USE.

GENERAL NOTES: ICRA - CORRIDORS

FOR ALL AREAS WITHIN CORRIDOR AREAS THAT ARE NORMALLY OCCUPIED AND REQUIRE CEILING REMOVAL AND REPLACEMENT TO PERFORM WORK INDICATED ON DRAWINGS, THE FOLLOWING MINIMUM REQUIREMENTS SHALL BE MAINTAINED WHILE PERFORMING WORK:

- CONTRACTOR WILL ONLY BE PERMITTED TO USE TEMPORARY POLY BARRIER AROUND WORK AREAS THAT WILL BE FINISHED WITHIN ONE WORK SHIFT. CONTRACTOR WILL NOT BE ALLOWED TO REINSTALL BARRIER FOR A SECOND SHIFT (SEE ALTERNATE METHODS BELOW). AN POLY BARRIERS USED IN TEMPORARY SITUATIONS SHALL BE SECURED TO BOTH CEILING AND FLOOR FOR DUST CONTAINMENT PRIOR TO REMOVING ANY CEILING TILES. ALSO INCLUDE A ZIPPER DOOR ACCESS TO ANY POLY ENCLOSURE SHALL WITH STICKY WALK OFF MATS IF REQUESTED BY INFECTION CONTROL REPRESENTATIVES.
- WITHIN SMALLER AREAS WHERE ABOVE CEILING WORK IS BEING PERFORMED, A PORTABLE CONTAINMENT UNIT MAY BE UTILIZED. COORDINATE USE OF ANY PORTABLE CONTAINMENT UNITS WITH INFECTION CONTROL REPRESENTATIVES.
- FOR LONGER TERM ACCESS REQUIRED ABOVE CEILING THE GENERAL CONTRACTOR SHALL HAVE ACCESS TO A MANUFACTURED CONTAINMENT WALL SYSTEM, A REAL WALL SERIES MANUFACTURED BY STARC INDUSTRIES OR EQUAL. REFER TO ARCHITECTURAL PLANS FOR SPECIFICATION AND GENERAL CONTRACTOR REQUIREMENT S TO HAVE THIS SYSTEM AVAILABLE TO ALL SUBCONTRACTORS REQUIRING ABOVE CEILING ACCESS.

- COORDINATE ACCEPTABLE HOURS TO ACCESS TEMPORARY ENCLOSURE WITH DEPARTMENT STAFF. REMOVAL OF DEMOLISHED MATERIALS SHALL BE PROTECTED PER ICRA REQUIREMENTS.
- COORDINATE ACCESS TO/FROM CONSTRUCTION SITE WITH DEPARTMENT MANAGER AND PERFORM ANY TRANSPORT OF DEMOLISHED MATERIALS DURING PREMIUM HOURS IF NECESSARY.
- CONFIRM ACCEPTABLE LIMITS OF NOISE WITH DEPARTMENT MANAGER AND ANY APPLICABLE TIME SCHEDULES WHERE NO NOISE, OR LIMITED WORK LIMITATIONS, COULD BE ENFORCED.
- CLEAN SPACE AFTER EACH WORK SHIFT. UPON COMPLETION OF WORK, ALL TEMPORARY BARRIERS AND AIRLOCKS SHALL BE COMPLETELY REMOVED AND CLEANED TO ORIGINAL CONDITION. COORDINATE TERMINAL CLEANING WITH VA REPRESENTATIVES PRIOR TO TURNING BACK OVER TO HOSPITAL USE.

GENERAL NOTES: ICRA REVIEWER

CONTRACTOR SHALL NOTE THAT CLASSIFICATIONS AND GUIDELINES ABOVE ARE FOR REFERENCE ONLY. VA INFECTION CONTROL RISK ASSESSMENT WILL DEFINE WHAT CLASSIFICATION EACH AREA FALLS INTO BASED ON THEIR CRITERIA AND INTERNAL REQUIREMENTS. REVIEW ALL INFORMATION AVAILABLE THROUGH VA TECHNICAL INFORMATION LIBRARY PRIOR TO BIDDING. IF CLARIFICATIONS ARE REQUIRED THE CONTRACTOR SHALL SUBMIT THOSE QUESTIONS TO CONTRACTING OFFICER IN WRITING.

ICRA LEGEND

- (L) ICRA - LOW RISK
- (M) ICRA - MODERATE RISK
- (H) ICRA - HIGH RISK
- (C) ICRA - CORRIDOR

DEMO AND REPAIR NOTES:

1. DEMO AND REPAIR IN DRYWALL (PAINT FINISH)
 A. LOCATE SHOWER CONTROL FIXTURE HEIGHT ON OPPOSITE SIDE OF WALL.
 B. ON OPPOSITE SIDE OF WALL USING STRAIGHT EDGES DEMO AN OPENING IN DRYWALL OF 18 INCHES X 18 INCHES, CENTERED ON SHOWER CONTROL FIXTURE. ENSURE OPENING SPANS MINIMUM 1 STUD FOR SECURING DRYWALL PATCH.
 C. INSTALL PLUMBING AS NOTED IN MECHANICAL DRAWINGS.
 D. INSTALL BLOCKING AS NECESSARY TO SUPPORT DRYWALL PATCH.
 E. WHERE APPLICABLE INSTALL BLOCKING TO SUPPORT ACCESS PANEL. REF. FINISH SCHEDULE FOR ACCESS PANEL LOCATIONS.
 F. INSTALL DRYWALL PATCH FIT SO ANY GAPS BETWEEN PATCH AND EXISTING WALL IS MAXIMUM 1/4 INCH.
 G. APPLY DRYWALL COMPOUND AS NECESSARY TO FILL GAP AND BLEND TO EXISTING WALL FINISH.
 H. COLOR MATCH EXISTING PAINT AND COVER ENTIRE WALL FROM CORNER TO CORNER.
 I. WHERE APPLICABLE INSTALL ACCESS PANEL. REF. DRAWING 2/AE106
 J. CLEAN WORK AREA.

2. DEMO AND REPAIR IN TILE WALL (TILE FINISH)
 A. LOCATE SHOWER CONTROL FIXTURE HEIGHT ON OPPOSITE SIDE OF WALL.
 B. ON NON-FIXTURE SIDE OF WALL REMOVE EXISTING TILE AS NECESSARY TO ALLOW FOR AN OPENING IN BACKER BOARD OF 18 INCHES X 18 INCHES, CENTERED ON SHOWER CONTROL FIXTURE.
 C. USING STRAIGHT EDGES DEMO AN OPENING IN BACKER BOARD OF 18 INCHES X 18 INCHES, CENTERED ON SHOWER CONTROL FIXTURE ON OPPOSITE SIDE OF WALL. ENSURE OPENING SPANS MINIMUM 1 STUD FOR SECURING BACKER BOARD PATCH.
 D. INSTALL PLUMBING AS NOTED IN MECHANICAL DRAWINGS.
 E. INSTALL BLOCKING AS NECESSARY TO SUPPORT BACKER BOARD PATCH.
 F. WHERE APPLICABLE INSTALL BLOCKING TO SUPPORT ACCESS PANEL. REF. FINISH SCHEDULE FOR ACCESS PANEL LOCATIONS.
 G. INSTALL BACKER BOARD PATCH SO ANY GAPS BETWEEN PATCH AND EXISTING WALL IS MAXIMUM 1/4 INCH.
 H. REPAIR WATERPROOFING MEMBRANE AS NECESSARY.
 I. APPLY TILE MORTAR AS NECESSARY TO FILL GAP AND ADHERED NEW TILE.
 J. COLOR MATCH EXISTING TILE AND PLACE TILE ON WALL WITH JOINTING TO MATCH EXISTING.
 K. ONCE TILE ARE FULLY ADHERED, INSTALL JOINT GROUT TO FINISH.
 L. WHERE APPLICABLE INSTALL ACCESS PANEL. REF. DRAWING 2/AE106
 M. CLEAN WORK AREA.

3. DEMO AND REPAIR IN EXISTING ACCESSIBLE PIPE CHASES
 A. LOCATE SHOWER CONTROL FIXTURE ON OPPOSITE SIDE OF WALL.
 B. INSTALL PLUMBING AS NOTED IN MECHANICAL DRAWINGS.

4. DEMO AND REPAIR FOR EXISTING NON-ACCESSIBLE PIPE CHASES (DRYWALL FINISH)
 A. DEMO EXISTING DRYWALL ON CHASE, FROM CEILING TO FLOOR, TO ALLOW FOR PIPING TO BE INSTALLED.
 B. INSTALL PLUMBING AS NOTED IN MECHANICAL DRAWINGS.
 C. INSTALL NEW DRYWALL TO EXISTING STUDS.
 D. APPLY DRYWALL COMPOUND AS NECESSARY TO PATCH NEW WALL TO EXISTING WALLS.
 E. COLOR MATCH EXISTING PAINT AND COVER ENTIRE WALL FROM CORNER TO CORNER.
 F. CLEAN WORK AREA.

5. REMOVE CEILING TILE AND GRID AS REQUIRED TO MAKE NEW PLUMBING CONNECTIONS TO EXISTING MAINS, REF. PLUMBING.

6. DEMO AND REPAIR IN DRYWALL (PAINT FINISH)
 A. USING STRAIGHT EDGES DEMO AN OPENING IN DRYWALL SPANNING FROM STUD TO STUD AND HEIGHT AS REQUIRED FOR CIRCUIT RISE CONNECTIONS, REF. MECH DRAWINGS.
 B. INSTALL PLUMBING AS NOTED IN MECHANICAL DRAWINGS.
 C. INSTALL BLOCKING AS NECESSARY TO SUPPORT DRYWALL PATCH.
 D. INSTALL DRYWALL PATCH FIT SO ANY GAPS BETWEEN PATCH AND EXISTING WALL IS MAXIMUM 1/4 INCH.
 E. APPLY DRYWALL COMPOUND AS NECESSARY TO FILL GAP AND BLEND TO EXISTING WALL FINISH.
 F. COLOR MATCH EXISTING PAINT AND COVER ENTIRE WALL FROM CORNER TO CORNER.
 G. CLEAN WORK AREA.

* DENOTES ADDITIONAL INFORMATION AT ACCESS PANEL INSTALLATIONS. REF. FINISH SCHEDULE FOR LOCATIONS
 NOTE: REVIEW ALL DOCUMENTS FOR FULL WORK ACTIVITIES, NOT ALL MECHANICAL/ELECTRICAL ACTIVITIES REQUIRED DEMO AND REPAIR OF WALLS.

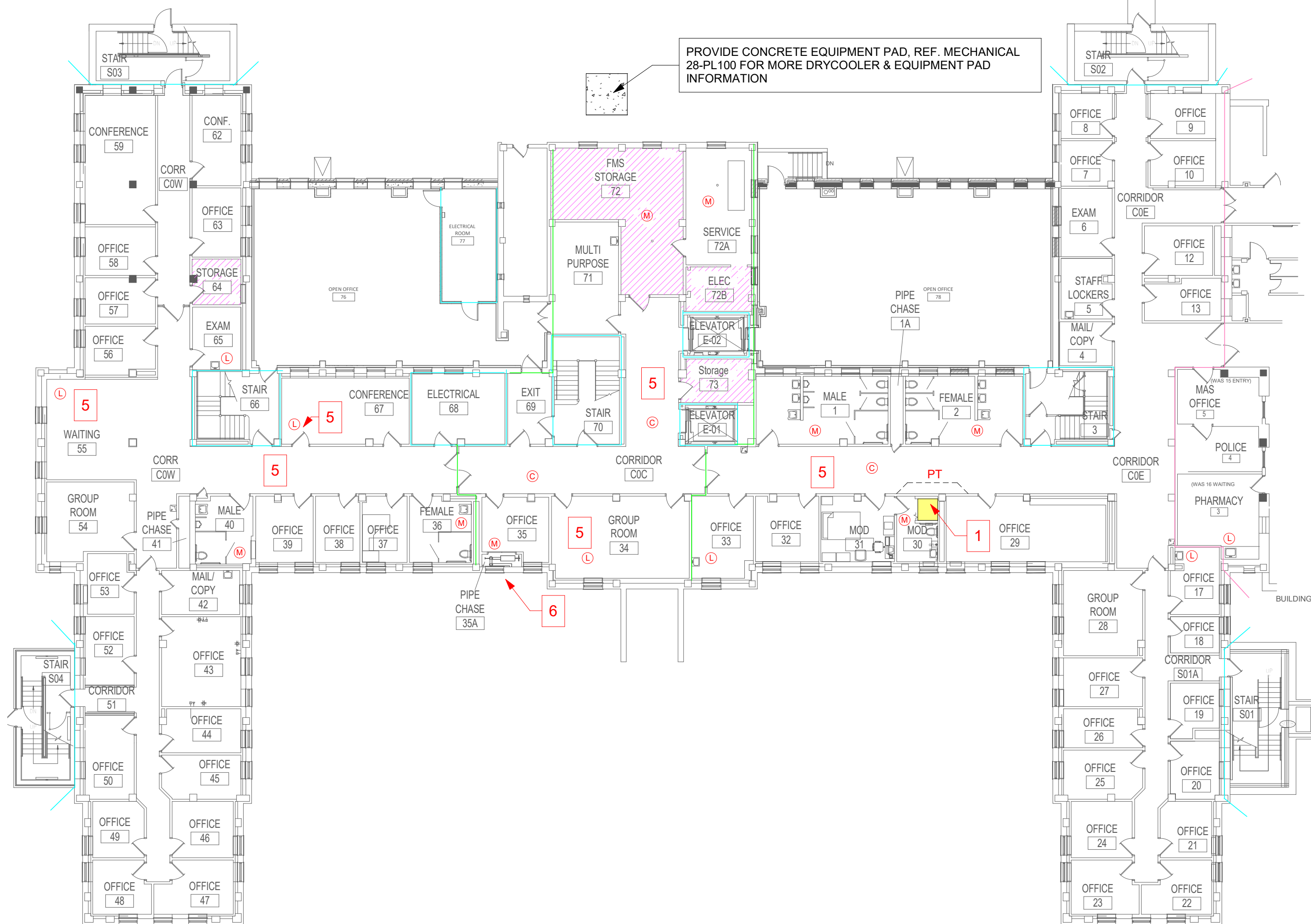
LIFE SAFETY LEGEND

- 2FW 2HR FIRE WALL
- 1FW 1HR FIRE WALL
- ST SMOKETIGHT WALL
- VERT. OPG. (EXIT ENCLSR/SHAFT) FIRE BARRIER (2 HR = 4 OR MORE STORIES)
- HAZ. INCIDENTAL USE FIRE BARRIER

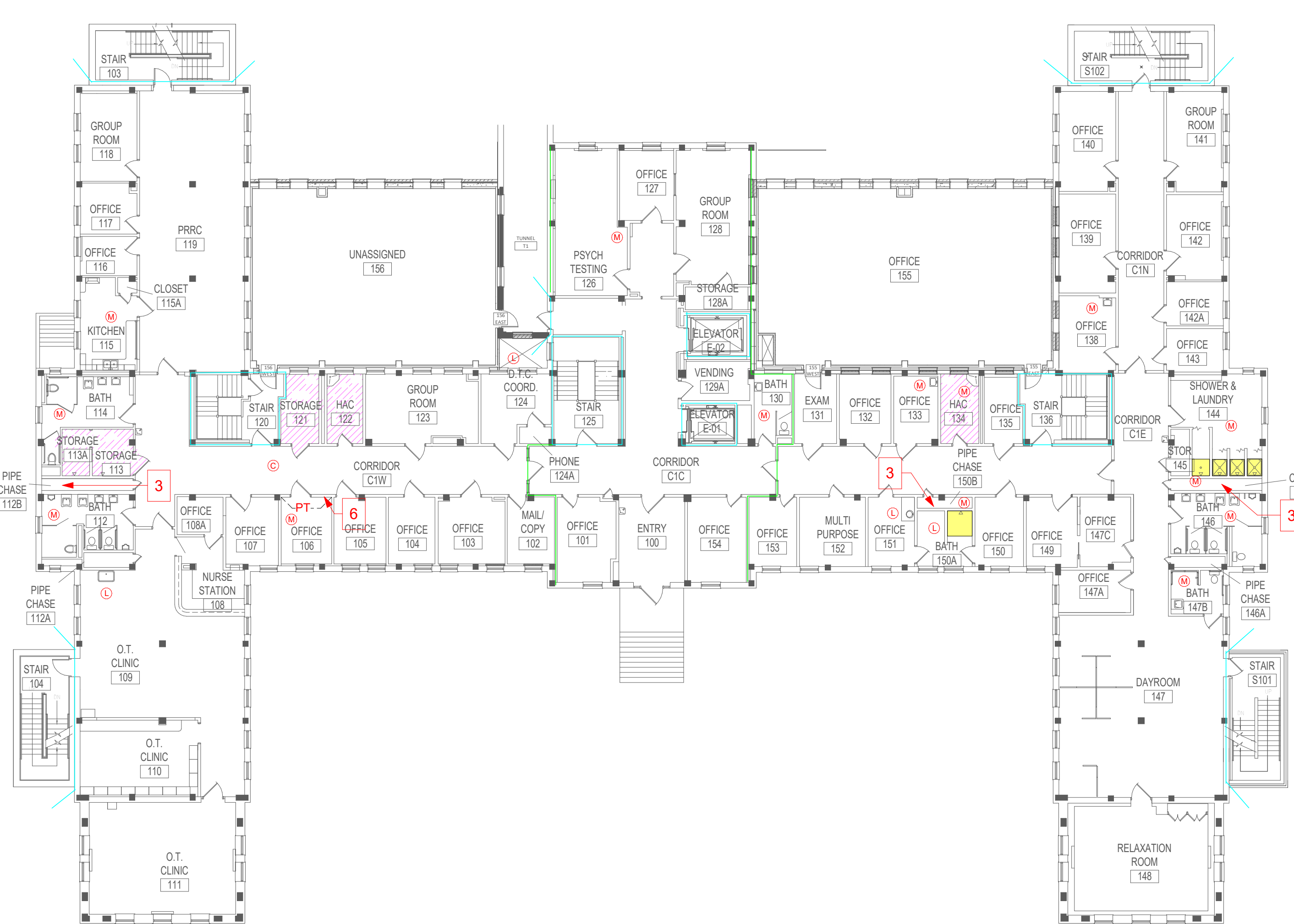
DESIGNATIONS FOR ICRA PROTECTION ARE SUBJECT TO CHANGING MEDICAL CENTER OPERATIONS. CONTRACTOR TO LEVEL OF CONSTRUCTION PHASING AND RELATED ICRA PROTECTION NEEDS FOR EACH SPACE WITH INPUT FROM CONTRACTING, FACILITY AND INFECTION CONTROL



3. BUILDING 28 - FIRST LEVEL
 1/16" = 1'-0"



1. BUILDING 28 - BASEMENT LEVEL
 1/16" = 1'-0"



2. BUILDING 28 - FIRST LEVEL
 1/16" = 1'-0"

Revision#	Description	Date:

CONSULTANTS
MECHANICAL, ELECTRICAL, PLUMBING:
 DUNHAM
 50 SOUTH SIXTH STREET
 SUITE 1100
 MINNEAPOLIS, MN 55402
 612-465-7550
 P.O.C.: DAN WEISS

ARCHITECT OF RECORD
 A/E:
 STONE GROUP ARCHITECTS, INC.
 1001 TWELVE OAKS CENTER DRIVE,
 SUITE 1025
 WAZYATA, MN 55391
 952.476.5550

STAMP

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the state of Minnesota.

Signature: *[Signature]*
 Typed or Printed Name: TRUDY STONE AIA
 Date: 2/2/21 License Number: 51525

Project Title INSTALL LEGIONELLA PREVENTION		Project Number VAF 656-16-284
Location SAINT CLOUD, MN		Building Number MULTIPLE
Phase FINAL CONSTRUCTION DOCUMENTS		Drawing Number
Drawing Title BUILDING 28 - FLOOR PLANS		AE102
Issue Date FEB 2, 2021	Checked	Drawn

U.S. Department of Veterans Affairs
 Veterans Health Administration
 St. Cloud VA Health Care System

GENERAL NOTES: ICRA - LOW RISK

FULL ALL AREAS THAT THE INFECTION CONTROL REPRESENTATIVE DEEMS AS LOW RISK WITHIN THE CORRESPONDING INFECTION CONTROL RISK ASSESSMENT (ICRA) THE FOLLOWING MINIMUM REQUIREMENTS SHALL BE MAINTAINED WHILE PERFORMING WORK.

- KEEP DOOR CLOSED TO ROOM OR SPACE WHENEVER WORK IS BEING PERFORMED. NO TAPE OR SEALING OF DOOR PERIMETER WILL BE REQUIRED.
- PROVIDE SIGNAGE ON DOOR TO RESTRICT ACCESS TO ONLY THOSE INVOLVED WITH CONSTRUCTION ACTIVITIES ON INSPECTION.
- UTILIZE A MOBILE HEPA FILTER TO BE WITHIN 15' OF ANY AREA WHERE WALL ANCHORS ARE BEING DRILLED, OR OTHER DUST FORMING ACTIVITIES WILL OCCUR, TO MANAGE DUST AND CONSTRUCTION DEBRIS WITHIN SPACE.
- FULLY CLEAN AREA UPON COMPLETION OF WORK.

GENERAL NOTES: ICRA - MODERATE

FULL ALL AREAS THAT THE INFECTION CONTROL REPRESENTATIVE DEEMS AS MODERATE RISK WITHIN THE CORRESPONDING INFECTION CONTROL RISK ASSESSMENT (ICRA) THE FOLLOWING MINIMUM REQUIREMENTS SHALL BE MAINTAINED WHILE PERFORMING WORK.

- CLOSE DOOR TO SPACE AND SEAL PERIMETER WITH TAPE, TEMPORARY GASKETING, OR POLY SHEETING AS REQUIRED TO HOLD A TIGHT SEAL.
- IF THE PLUMBING FIXTURES IS/ARE BEING MODIFIED IN AN OPEN AREA WHERE STAFF OR PATIENTS ARE LOCATED THEN CONTRACTOR WILL PROVIDE A POLY BARRIER AROUND THE ENTIRE WORK ZONE WITH HEPA FILTERS ON BOTH THE INSIDE AND OUTSIDE OF THE ENCLOSURE.
- PROVIDE SIGNAGE ON DOOR TO RESTRICT ACCESS TO ONLY THOSE INVOLVED WITH CONSTRUCTION ACTIVITIES ON INSPECTION.
- UTILIZE A MOBILE HEPA FILTERS TO BE WITHIN 15' OF ANY AREA WHERE WALL ANCHORS ARE BEING DRILLED, OR OTHER DUST FORMING ACTIVITIES WILL OCCUR, TO MANAGE DUST AND CONSTRUCTION DEBRIS WITHIN SPACE.
- COVER ALL SENSITIVE EQUIPMENT WITHIN ROOM WITH POLY SHEETING TO PROTECT FOR DUST AND DEBRIS, OR ALTERNATIVELY A TEMPORARY POLY BARRIER WITH ZIPPER ENTRY, CAN BE INSTALLED DIRECTLY AROUND THE AREA'S REQUIRING MODIFICATION.
- UPON COMPLETION OF WORK REMOVE ALL POLY BARRIERS, COVERS, TAPE OR GASKETING, AND MATERIALS USED DURING CONSTRUCTION. CLEAN THE SPACE TO ORIGINAL CONDITION PRIOR TO TURNING OVER TO VA STAFF FOR USE AND/OR FINAL TERMINAL CLEANING.

GENERAL NOTES: ICRA - HIGH RISK

FULL ALL AREAS THAT THE INFECTION CONTROL REPRESENTATIVE DEEMS AS HIGH RISK WITHIN THE CORRESPONDING INFECTION CONTROL RISK ASSESSMENT (ICRA) THE FOLLOWING MINIMUM REQUIREMENTS SHALL BE MAINTAINED WHILE PERFORMING WORK.

- PROVIDE AIRLOCK VESTIBULE INTO CONSTRUCTION AREA. SECOND DOOR MAY BE THE EXISTING ACCESS INTO SPACE WITH AIRLOCK VESTIBULE CONSTRUCTED WITH SOLID WALLS AND LATCHING DOOR.
- PROVIDE SIGNAGE ON DOOR TO RESTRICT ACCESS TO ONLY THOSE INVOLVED WITH CONSTRUCTION ACTIVITIES OR INSPECTIONS.
- POSITION PORTABLE HEPA FILTERS BOTH INSIDE CONSTRUCTION AREA, AND JUST OUTSIDE OF AIRLOCK VESTIBULE ENTRY POINT.
- PROVIDE VISIBLE ROOM PRESSURE INDICATOR AT CONSTRUCTION BOUNDARIES. IF EQUIPMENT CANNOT BE TEMPORARILY RELOCATED, THEN CONTRACTOR SHALL TIGHTLY SEAL EACH PIECE TO GUARENTEE PROTECTION AGAINST DUST GENERATED IN SPACE.
- REMOVE ANY SENSITIVE EQUIPMENT FROM WITHIN CONSTRUCTION BOUNDARIES. IF EQUIPMENT CANNOT BE TEMPORARILY RELOCATED, THEN CONTRACTOR SHALL TIGHTLY SEAL EACH PIECE TO GUARENTEE PROTECTION AGAINST DUST GENERATED IN SPACE.
- COORDINATE ACCESS TO/FROM CONSTRUCTION SITE WITH DEPARTMENT MANAGER AND PERFORM ANY TRANSPORT OF DEMOLISHED MATERIALS DURING PREMIUM HOURS IF NECESSARY.
- CONFIRM ACCEPTABLE LIMITS OF NOISE WITH DEPARTMENT MANAGER AND ANY APPLICABLE TIME SCHEDULES WHERE NO NOISE, OR LIMITED WORK LIMITATIONS, COULD BE ENFORCED.
- CLEAN SPACE AFTER EACH WORK SHIFT. UPON COMPLETION OF WORK, ALL TEMPORARY BARRIERS AND AIRLOCKS SHALL BE COMPLETELY REMOVED AND CLEANED TO ORIGINAL CONDITION. COORDINATE TERMINAL CLEANING WITH VA REPRESENTATIVES PRIOR TO TURNING BACK OVER TO HOSPITAL USE.

GENERAL NOTES: ICRA - CORRIDORS

FOR ALL AREAS WITHIN CORRIDOR AREAS THAT ARE NORMALLY OCCUPIED AND REQUIRE CEILING REMOVAL AND REPLACEMENT TO PERFORM WORK INDICATED ON DRAWINGS, THE FOLLOWING MINIMUM REQUIREMENTS SHALL BE MAINTAINED WHILE PERFORMING WORK.

- CONTRACTOR WILL ONLY BE PERMITTED TO USE TEMPORARY POLY BARRIER AROUND WORK AREAS THAT WILL BE FINISHED WITHIN ONE WORK SHIFT. CONTRACTOR WILL NOT BE ALLOWED TO USE TEMPORARY BARRIER FOR A SECOND SHIFT (SEE ALTERNATE METHODS BELOW). AN POLY BARRIERS USED IN TEMPORARY SITUATIONS SHALL BE SECURED TO BOTH CEILING AND FLOOR FOR BEST CONTAINMENT PRIOR TO REMOVING ANY CEILING TILES. ALSO INCLUDE A ZIPPER DOOR ACCESS TO ANY POLY ENCLOSURE SHALL WITH STICKY WALK OFF MATS IF REQUESTED BY INFECTION CONTROL REPRESENTATIVES.
- WITHIN SMALLER AREAS WHERE ABOVE CEILING WORK IS BEING PERFORMED, A PORTABLE CONTAINMENT UNIT MAY BE UTILIZED. COORDINATE USE OF ANY PORTABLE CONTAINMENT UNITS WITH INFECTION CONTROL REPRESENTATIVES.
- FOR LONGER TERM ACCESS REQUIRED ABOVE CEILING THE GENERAL CONTRACTOR SHALL HAVE ACCESS TO A MANUFACTURED CONTAINMENT WALL SYSTEM, A 'REAL WALL' SERIES MANUFACTURED BY STARC INDUSTRIES OR EQUIVALENT. REFER TO ARCHITECTURAL PLANS FOR SPECIFICATION AND GENERAL CONTRACTOR REQUIREMENTS TO HAVE THIS SYSTEM AVAILABLE TO ALL SUBCONTRACTORS REQUIRING ABOVE CEILING ACCESS.
- COORDINATE ACCEPTABLE HOURS TO ACCESS TEMPORARY ENCLOSURE WITH DEPARTMENT STAFF. REMOVAL OF DEMOLISHED MATERIALS SHALL BE PROTECTED PER ICRA REQUIREMENTS.
- COORDINATE ACCESS TO/FROM CONSTRUCTION SITE WITH DEPARTMENT MANAGER AND PERFORM ANY TRANSPORT OF DEMOLISHED MATERIALS DURING PREMIUM HOURS IF NECESSARY.
- CONFIRM ACCEPTABLE LIMITS OF NOISE WITH DEPARTMENT MANAGER AND ANY APPLICABLE TIME SCHEDULES WHERE NO NOISE, OR LIMITED WORK LIMITATIONS, COULD BE ENFORCED.
- CLEAN SPACE AFTER EACH WORK SHIFT. UPON COMPLETION OF WORK, ALL TEMPORARY BARRIERS AND AIRLOCKS SHALL BE COMPLETELY REMOVED AND CLEANED TO ORIGINAL CONDITION. COORDINATE TERMINAL CLEANING WITH VA REPRESENTATIVES PRIOR TO TURNING BACK OVER TO HOSPITAL USE.

GENERAL NOTES: ICRA REVIEWER

CONTRACTOR SHALL NOTE THAT CLASSIFICATIONS AND GUIDELINES ABOVE ARE FOR REFERENCE ONLY. VA INFECTION CONTROL RISK ASSESSMENT WILL DETERMINE WHAT CLASSIFICATION EACH AREA FALLS INTO BASED ON THEIR CRITERIA AND INTERNAL REQUIREMENTS. REVIEW ALL INFORMATION AVAILABLE THROUGH VA TECHNICAL INFORMATION LIBRARY PRIOR TO BIDDING. IF CLARIFICATIONS ARE REQUIRED THE CONTRACTOR SHALL SUBMIT THOSE QUESTIONS TO CONTRACTING OFFICER IN WRITING.

ICRA LEGEND

- (L) ICRA - LOW RISK
- (M) ICRA - MODERATE RISK
- (H) ICRA - HIGH RISK
- (C) ICRA - CORRIDOR

DEMO AND REPAIR NOTES:

- DEMO AND REPAIR IN DRYWALL (PAINT FINISH)
 - LOCATE SHOWER CONTROL FIXTURE HEIGHT ON OPPOSITE SIDE OF WALL.
 - ON OPPOSITE SIDE OF WALL USING STRAIGHT EDGES DEMO AN OPENING IN DRYWALL OF 18 INCHES X 18 INCHES, CENTERED ON SHOWER CONTROL FIXTURE. ENSURE OPENING SPANS MINIMUM 1 STUD FOR SECURING DRYWALL PATCH.
 - INSTALL PLUMBING AS NOTED IN MECHANICAL DRAWINGS.
 - WHERE APPLICABLE INSTALL BLOCKING TO SUPPORT ACCESS PANEL. REF. FINISH SCHEDULE FOR ACCESS PANEL LOCATIONS.
 - INSTALL DRYWALL PATCH FIT SO ANY GAPS BETWEEN PATCH AND EXISTING WALL IS MAXIMUM 1/4 INCH.
 - APPLY DRYWALL COMPOUND AS NECESSARY TO FILL GAP AND BLEND TO EXISTING WALL FINISH.
 - COLOR MATCH EXISTING PAINT AND COVER ENTIRE WALL FROM CORNER TO CORNER.
 - WHERE APPLICABLE INSTALL ACCESS PANEL, REF. DRAWING 2/AE106
 - CLEAN WORK AREA.
- DEMO AND REPAIR IN TILE WALL (TILE FINISH)
 - LOCATE SHOWER CONTROL FIXTURE HEIGHT ON OPPOSITE SIDE OF WALL.
 - ON NON-FIXTURE SIDE OF WALL REMOVE EXISTING TILE AS NECESSARY TO ALLOW FOR AN OPENING IN BACKER BOARD OF 18 INCHES X 18 INCHES, CENTERED ON SHOWER CONTROL FIXTURE.
 - USING STRAIGHT EDGES DEMO AN OPENING IN BACKER BOARD OF 18 INCHES X 18 INCHES, CENTERED ON SHOWER CONTROL FIXTURE ON OPPOSITE SIDE OF WALL. ENSURE OPENING SPANS MINIMUM 1 STUD FOR SECURING BACKER BOARD PATCH.
 - INSTALL PLUMBING AS NOTED IN MECHANICAL DRAWINGS.
 - WHERE APPLICABLE INSTALL BLOCKING TO SUPPORT ACCESS PANEL. REF. FINISH SCHEDULE FOR ACCESS PANEL LOCATIONS.
 - INSTALL BACKER BOARD PATCH SO ANY GAPS BETWEEN PATCH AND EXISTING WALL IS MAXIMUM 1/4 INCH.
 - REPAIR WATERPROOFING MEMBRANE AS NECESSARY.
 - APPLY TILE MORTAR AS NECESSARY TO FILL GAP AND ADHERED NEW TILE.
 - COLOR MATCH EXISTING TILE AND PLACE TILE ON WALL WITH JOINTING TO MATCH EXISTING.
 - ONCE TILE ARE FULLY ADHERED, INSTALL JOINT GROUT TO FINISH.
 - WHERE APPLICABLE INSTALL ACCESS PANEL, REF. DRAWING 2/AE106
 - CLEAN WORK AREA.

- DEMO AND REPAIR IN EXISTING ACCESSIBLE PIPE CHASES
 - LOCATE SHOWER CONTROL FIXTURE ON OPPOSITE SIDE OF WALL.
 - INSTALL PLUMBING AS NOTED IN MECHANICAL DRAWINGS.
- DEMO AND REPAIR FOR EXISTING NON-ACCESSIBLE PIPE CHASES (DRYWALL FINISH)
 - DEMO EXISTING DRYWALL ON CHASE, FROM CEILING TO FLOOR, TO ALLOW FOR PIPING TO BE INSTALLED.
 - INSTALL PLUMBING AS NOTED IN MECHANICAL DRAWINGS.
 - INSTALL NEW DRYWALL TO EXISTING STUDS.
 - APPLY DRYWALL COMPOUND AS NECESSARY TO PATCH NEW WALL TO EXISTING WALLS.
 - COLOR MATCH EXISTING PAINT AND COVER ENTIRE WALL FROM CORNER TO CORNER.
 - CLEAN WORK AREA.
- REMOVE CEILING TILE AND GRID AS REQUIRED TO MAKE NEW PLUMBING CONNECTIONS TO EXISTING MAINS, REF. PLUMBING.
- DEMO AND REPAIR IN DRYWALL (PAINT FINISH)
 - USING STRAIGHT EDGES DEMO AN OPENING IN DRYWALL SPANNING FROM STUD TO STUD AND HEIGHT AS REQUIRED FOR CIRC. PIPE RISER CONNECTIONS, REF. MECH DRAWINGS.
 - INSTALL PLUMBING AS NOTED IN MECHANICAL DRAWINGS.
 - INSTALL BLOCKING AS NECESSARY TO SUPPORT DRYWALL PATCH.
 - INSTALL DRYWALL PATCH FIT SO ANY GAPS BETWEEN PATCH AND EXISTING WALL IS MAXIMUM 1/4 INCH.
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 - CLEAN WORK AREA.

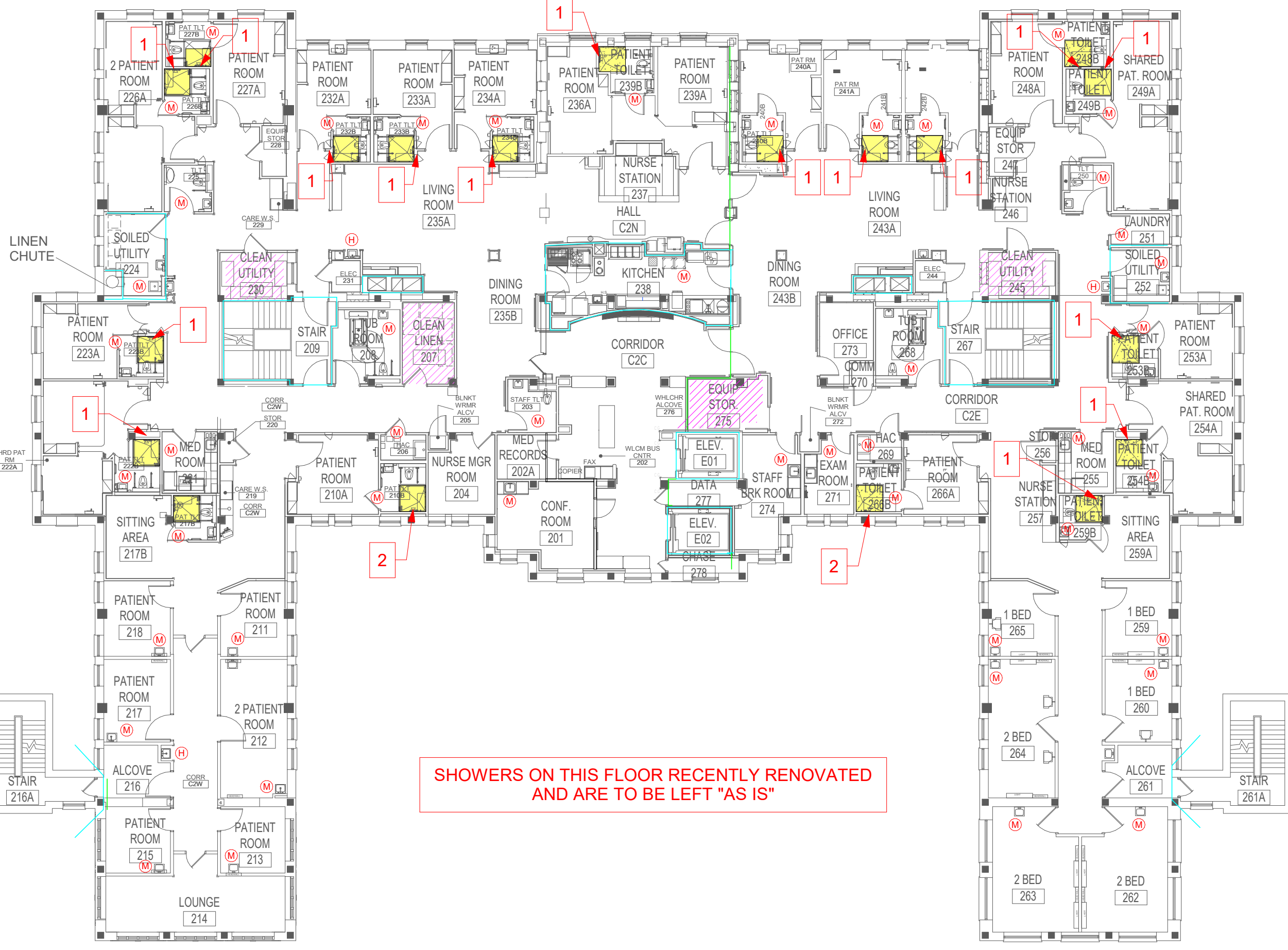
* DENOTES ADDITIONAL INFORMATION AT ACCESS PANEL INSTALLATIONS, REF. FINISH SCHEDULE FOR LOCATIONS

LIFE SAFETY LEGEND

- 2FW 2HR FIRE WALL
- 1FW 1HR FIRE WALL
- ST SMOKE/TIGHT WALL
- VERT. OPG. (EXIT ENCLSR/SHAFT) FIRE BARRIER (2 HR = 4 OR MORE STORIES)
- HAZ./INCIDENTAL USE FIRE BARRIER

DESIGNATIONS FOR ICRA PROTECTION ARE SUBJECT TO CHANGE AT BIDDING AND DURING CONSTRUCTION DUE TO CHANGING MEDICAL CENTER OPERATIONS. CONTRACTOR TO DEVELOP CONSTRUCTION PHASING AND RELATED ICRA PROTECTION NEEDS FOR EACH SPACE WITH INPUT FROM CONTRACTING, FACILITY AND INFECTION CONTROL

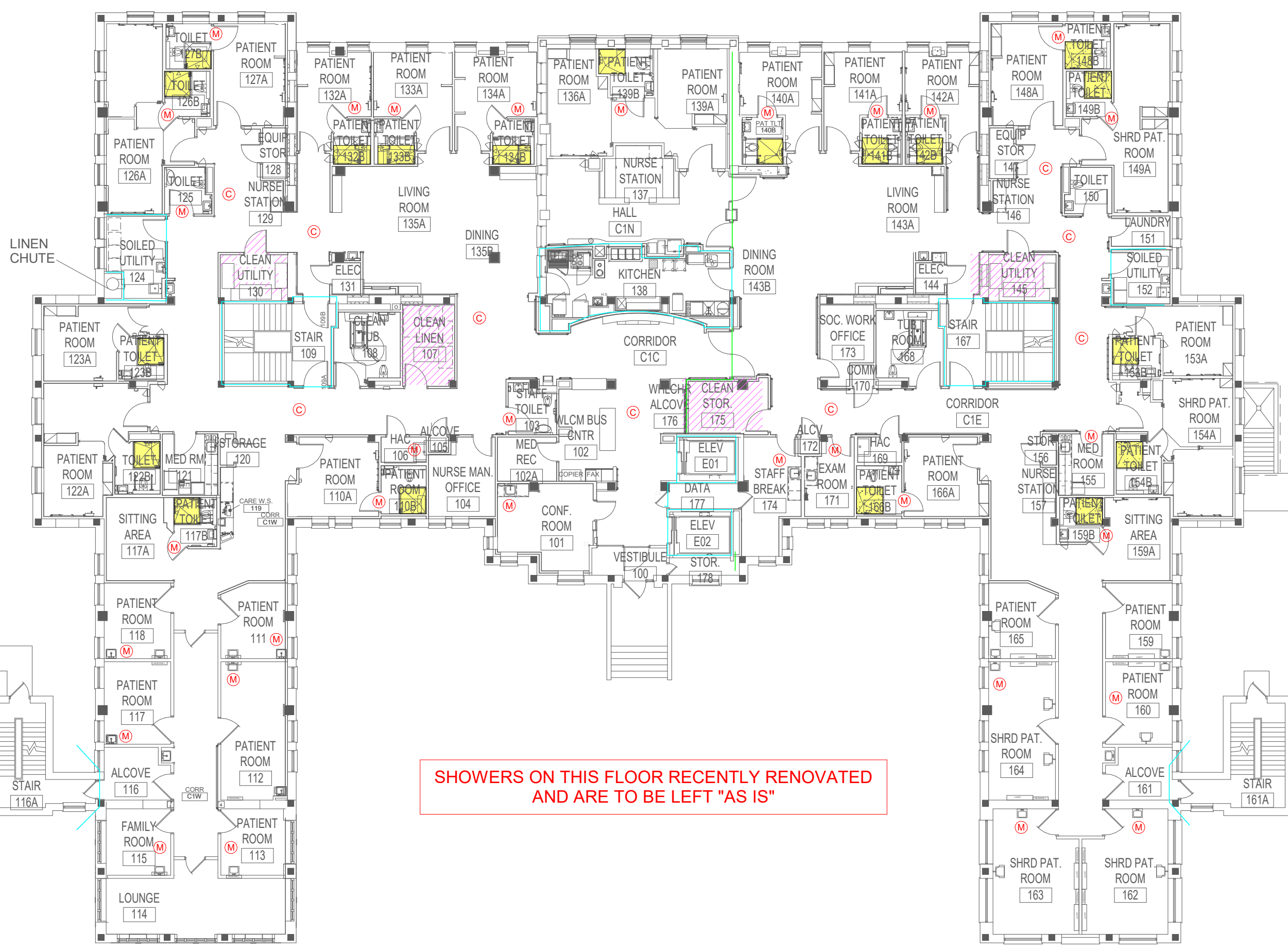
PROVIDE CONCRETE EQUIPMENT PAD, REF. MECHANICAL 49-PL10U FOR MORE DRYCOOLER & EQUIPMENT PAD INFORMATION



3 BUILDING 49 - FIRST LEVEL
1/16" = 1'-0"



1 BUILDING 49 - BASEMENT LEVEL
1/16" = 1'-0"



2 BUILDING 49 - FIRST LEVEL
1/16" = 1'-0"

Revision#	Description	Date:

CONSULTANTS
MECHANICAL, ELECTRICAL, PLUMBING:
DUNHAM
 50 SOUTH SIXTH STREET
 SUITE 1100
 MINNEAPOLIS, MN 55402
 612-465-7550
 P.O.C.: DAN WEISS

ARCHITECT OF RECORD
A/E:
STONE GROUP ARCHITECTS, INC.
 1001 TWELVE OAKS CENTER DRIVE,
 SUITE 1025
 WAZATA, MN 55391
 952.476.5550

STAMP

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the state of Minnesota.

Signature: *[Signature]*
 Typed or Printed Name: TRUDY STINE AIA
 Date: 2/2/21 License Number: 51525

Project Name: **INSTALL LEGIONELLA PREVENTION**
 Location: **SAINT CLOUD, MN**
 Phase: **FINAL CONSTRUCTION DOCUMENTS**
 Drawing Title: **BUILDING 49 - FLOOR PLANS**
 Issue Date: **FEB 2, 2021**

Project Number: **VA# 656-16-284**
 Building Number: **MULTIPLE**
 Drawing Number: **AE103**

U.S. Department of Veterans Affairs
 Veterans Health Administration
 St. Cloud VA Health Care System

GENERAL NOTES: ICRA - LOW RISK

FULL ALL AREAS THAT THE INFECTION CONTROL REPRESENTATIVE DEEMS AS LOW RISK WITHIN THE CORRESPONDING INFECTION CONTROL RISK ASSESSMENT (ICRA) THE FOLLOWING MINIMUM REQUIREMENTS SHALL BE MAINTAINED WHILE PERFORMING WORK:

- KEEP DOOR CLOSED TO ROOM OR SPACE WHENEVER WORK IS BEING PERFORMED. NO TAPE OR SEALING OF DOOR PERIMETER WILL BE REQUIRED.
- PROVIDE SIGNAGE ON DOOR TO RESTRICT ACCESS TO ONLY THOSE INVOLVED WITH CONSTRUCTION ACTIVITIES OR INSPECTIONS.
- UTILIZE A MOBILE HEPA FILTER TO BE WITHIN 15' OF ANY AREA WHERE WALL ANCHORS ARE BEING DRILLED, OR OTHER DUST FORMING ACTIVITIES WILL OCCUR, TO MANAGE DUST AND CONSTRUCTION DEBRIS WITHIN SPACE.
- FULLY CLEAN AREA UPON COMPLETION OF WORK.

GENERAL NOTES: ICRA - MODERATE

FULL ALL AREAS THAT THE INFECTION CONTROL REPRESENTATIVE DEEMS AS MODERATE RISK WITHIN THE CORRESPONDING INFECTION CONTROL RISK ASSESSMENT (ICRA) THE FOLLOWING MINIMUM REQUIREMENTS SHALL BE MAINTAINED WHILE PERFORMING WORK:

- CLOSE DOOR TO SPACE AND SEAL PERIMETER WITH TAPE. TEMPORARY GASKETING, OR POLY SHEETING AS REQUIRED TO HOLD A TIGHT SEAL.
- IF THE PLUMBING FIXTURES IS/ARE BEING MODIFIED IN AN OPEN AREA WHERE STAFF OR PATIENTS ARE LOCATED THEN CONTRACTOR WILL PROVIDE A POLY BARRIER AROUND THE ENTIRE WORK ZONE WITH HEPA FILTERS ON BOTH THE INSIDE AND OUTSIDE OF THE ENCLOSURE.
- PROVIDE SIGNAGE ON DOOR TO RESTRICT ACCESS TO ONLY THOSE INVOLVED WITH CONSTRUCTION ACTIVITIES OR INSPECTIONS.
- UTILIZE A MOBILE HEPA FILTERS TO BE WITHIN 15' OF ANY AREA WHERE WALL ANCHORS ARE BEING DRILLED, OR OTHER DUST FORMING ACTIVITIES WILL OCCUR, TO MANAGE DUST AND CONSTRUCTION DEBRIS WITHIN SPACE.
- COVER ALL SENSITIVE EQUIPMENT WITHIN ROOM WITH POLY SHEETING TO PROTECT FOR DUST AND DEBRIS. OR ALTERNATIVELY A TEMPORARY POLY BARRIER WITH ZIPPER ENTRY CAN BE INSTALLED DIRECTLY AROUND THE AREAS REQUIRING MODIFICATION.
- UPON COMPLETION OF WORK REMOVE ALL POLY BARRIERS, COVERS, TAPE OR GASKETING, AND MATERIALS USED DURING CONSTRUCTION. CLEAN THE SPACE TO ORIGINAL CONDITION PRIOR TO TURNING OVER TO VA STAFF FOR USE AND/OR FINAL TERMINAL CLEANING.

GENERAL NOTES: ICRA - HIGH RISK

FOR ALL AREAS THAT THE INFECTION CONTROL REPRESENTATIVE DEEMS AS HIGH RISK WITHIN THE CORRESPONDING INFECTION CONTROL RISK ASSESSMENT (ICRA) THE FOLLOWING MINIMUM REQUIREMENTS SHALL BE MAINTAINED WHILE PERFORMING WORK:

- PROVIDE AIRLOCK VESTIBULE INTO CONSTRUCTION AREA. SECOND DOOR MAY BE THE EXISTING ACCESS INTO SPACE WITH AIRLOCK VESTIBULE CONSTRUCTED WITH SOLID WALLS AND LATCHING DOOR.
- PROVIDE SIGNAGE ON DOOR TO RESTRICT ACCESS TO ONLY THOSE INVOLVED WITH CONSTRUCTION ACTIVITIES OR INSPECTIONS.
- POSITION PORTABLE HEPA FILTERS BOTH INSIDE CONSTRUCTION AREA, AND JUST OUTSIDE OF AIRLOCK VESTIBULE ENTRY POINT.
- PROVIDE VISIBLE ROOM PRESSURE INDICATOR AT CONSTRUCTION BOUNDARIES. IF EQUIPMENT CANNOT BE TEMPORARILY RELOCATED, THEN CONTRACTOR SHALL TIGHTLY SEAL EACH PIECE TO GUARENTEE PROTECTION AGAINST DUST GENERATED IN SPACE.
- REMOVE ANY SENSITIVE EQUIPMENT FROM WITHIN CONSTRUCTION BOUNDARIES. IF EQUIPMENT CANNOT BE TEMPORARILY RELOCATED, THEN CONTRACTOR SHALL TIGHTLY SEAL EACH PIECE TO GUARENTEE PROTECTION AGAINST DUST GENERATED IN SPACE.
- COORDINATE ACCESS TO/FROM CONSTRUCTION SITE WITH DEPARTMENT MANAGER AND PERFORM ANY TRANSPORT OF DEMOLISHED MATERIALS DURING PREMIUM HOURS IF NECESSARY.
- CONFIRM ACCEPTABLE LIMITS OF NOISE WITH DEPARTMENT MANAGER AND ANY APPLICABLE TIME SCHEDULES WHERE NO NOISE, OR LIMITED WORK LIMITATIONS, COULD BE ENFORCED.
- CLEAN SPACE AFTER EACH WORK SHIFT. UPON COMPLETION OF WORK, ALL TEMPORARY BARRIERS AND AIRLOCKS SHALL BE COMPLETELY REMOVED AND CLEANED TO ORIGINAL CONDITION. COORDINATE TERMINAL CLEANING WITH VA REPRESENTATIVES PRIOR TO TURNING BACK OVER TO HOSPITAL USE.

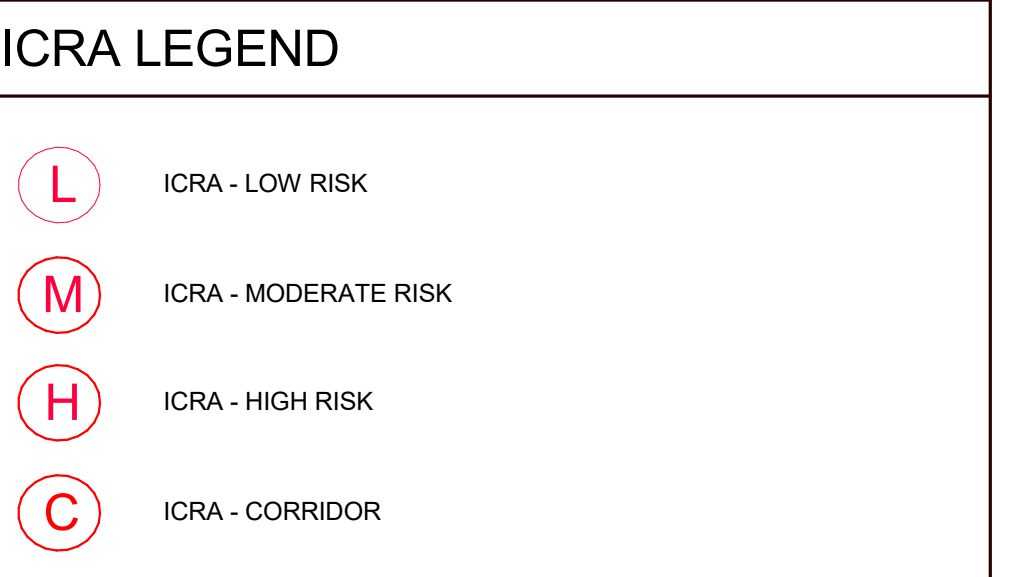
GENERAL NOTES: ICRA - CORRIDORS

FOR ALL AREAS WITHIN CORRIDOR AREAS THAT ARE NORMALLY OCCUPIED AND REQUIRE CEILING REMOVAL AND REPLEGMENT TO PERFORM WORK INDICATED ON DRAWINGS, THE FOLLOWING MINIMUM REQUIREMENTS SHALL BE MAINTAINED WHILE PERFORMING WORK:

- CONTRACTOR WILL ONLY BE PERMITTED TO USE TEMPORARY POLY BARRIER AROUND WORK AREAS THAT WILL BE FINISHED WITHIN ONE WORK SHIFT. CONTRACTOR WILL NOT BE ALLOWED TO REINSTALL BARRIER FOR A SECOND SHIFT (SEE ALTERNATE METHODS BELOW). AN POLY BARRIERS USED IN TEMPORARY SITUATIONS SHALL BE SECURED TO BOTH CEILING AND FLOOR FOR DUST CONTAINMENT PRIOR TO REMOVING ANY CEILING TILES. ALSO INCLUDE A ZIPPER DOOR ACCESS TO ANY POLY ENCLOSURE SHALL WITH STICKY WALK OFF MATS IF REQUESTED BY INFECTION CONTROL REPRESENTATIVES.
- WITHIN SMALLER AREAS WHERE ABOVE CEILING WORK IS BEING PERFORMED, A PORTABLE CONTAINMENT UNIT MAY BE UTILIZED. COORDINATE USE OF ANY PORTABLE CONTAINMENT UNITS WITH INFECTION CONTROL REPRESENTATIVES.
- FOR LONGER TERM ACCESS REQUIRED ABOVE CEILING THE GENERAL CONTRACTOR SHALL HAVE ACCESS TO A MANUFACTURED CONTAINMENT WALL SYSTEM, A REAL WALL SERIES MANUFACTURED BY STARC INDUSTRIES OR EQUAL. REFER TO ARCHITECTURAL PLANS FOR SPECIFICATION AND GENERAL CONTRACTOR REQUIREMENTS TO HAVE THIS SYSTEM AVAILABLE TO ALL SUBCONTRACTORS REQUIRING ABOVE CEILING ACCESS.
- COORDINATE ACCEPTABLE HOURS TO ACCESS TEMPORARY ENCLOSURE WITH DEPARTMENT STAFF. REMOVAL OF DEMOLISHED MATERIALS SHALL BE PROTECTED PER ICRA REQUIREMENTS.
- COORDINATE ACCESS TO/FROM CONSTRUCTION SITE WITH DEPARTMENT MANAGER AND PERFORM ANY TRANSPORT OF DEMOLISHED MATERIALS DURING PREMIUM HOURS IF NECESSARY.
- CONFIRM ACCEPTABLE LIMITS OF NOISE WITH DEPARTMENT MANAGER AND ANY APPLICABLE TIME SCHEDULES WHERE NO NOISE, OR LIMITED WORK LIMITATIONS, COULD BE ENFORCED.
- CLEAN SPACE AFTER EACH WORK SHIFT. UPON COMPLETION OF WORK, ALL TEMPORARY BARRIERS AND AIRLOCKS SHALL BE COMPLETELY REMOVED AND CLEANED TO ORIGINAL CONDITION. COORDINATE TERMINAL CLEANING WITH VA REPRESENTATIVES PRIOR TO TURNING BACK OVER TO HOSPITAL USE.

GENERAL NOTES: ICRA REVIEWER

CONTRACTOR SHALL NOTE THAT CLASSIFICATIONS AND GUIDELINES ABOVE ARE FOR REFERENCE ONLY. VA INFECTION CONTROL RISK ASSESSMENT WILL DEFINE WHAT CLASSIFICATION EACH AREA FALLS INTO BASED ON THEIR CRITERIA AND INTERNAL REQUIREMENTS. REVIEW ALL INFORMATION AVAILABLE THROUGH VA TECHNICAL INFORMATION LIBRARY PRIOR TO BIDDING. IF CLARIFICATIONS ARE REQUIRED THE CONTRACTOR SHALL SUBMIT THOSE QUESTIONS TO CONTRACTING OFFICER IN WRITING.

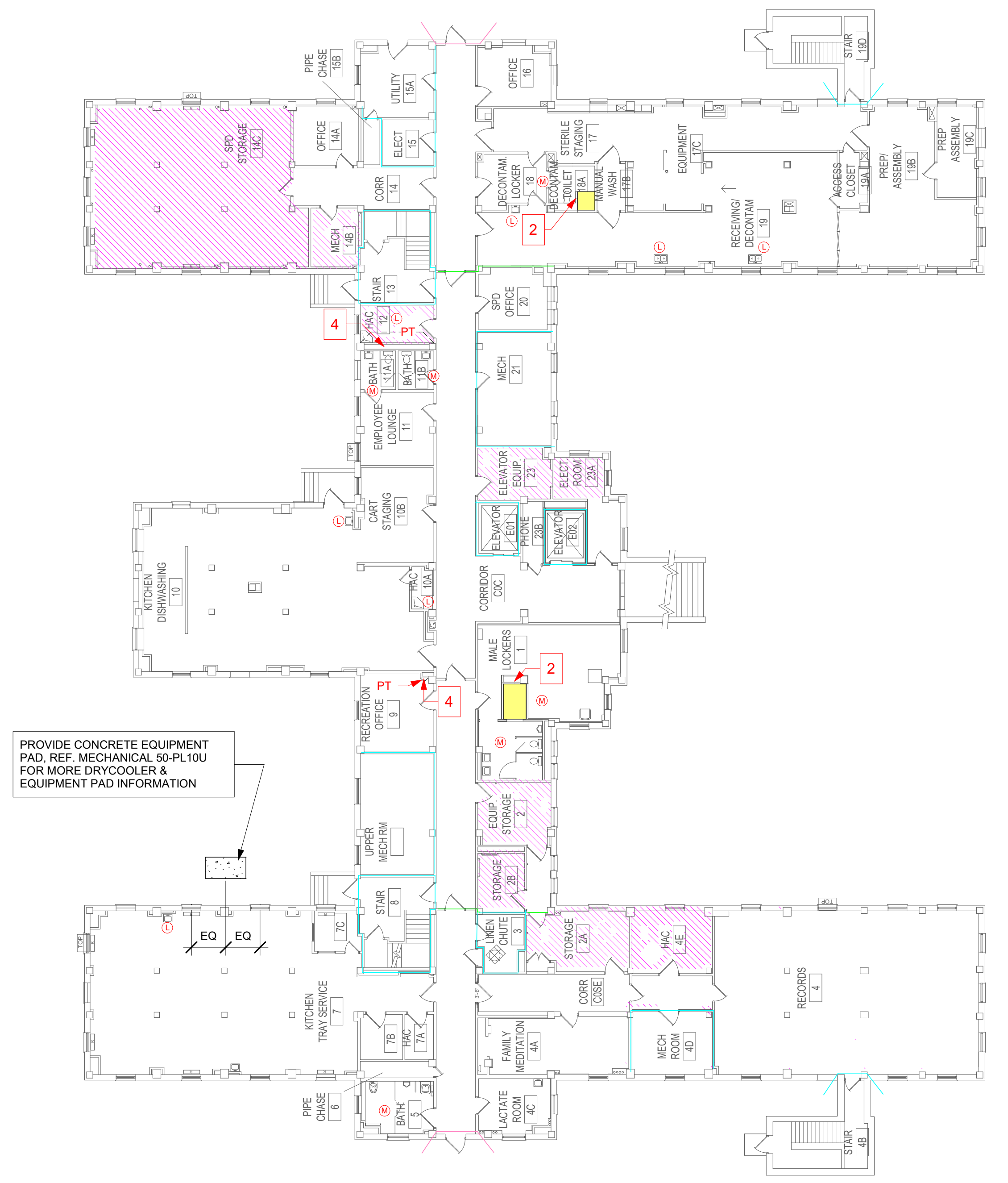
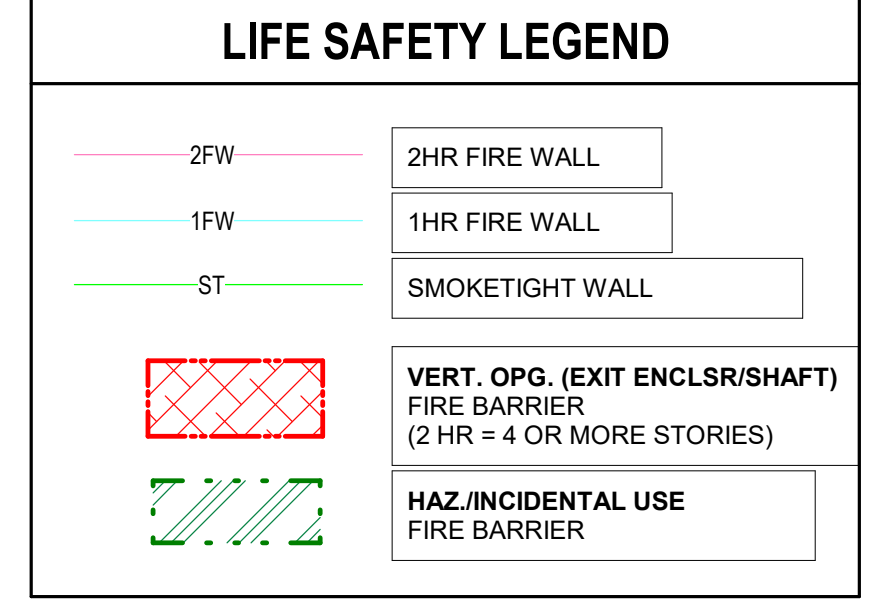


DESIGNATIONS FOR ICRA PROTECTION ARE SUBJECT TO CHANGE AT BIDDING AND DURING CONSTRUCTION DUE TO CHANGING MEDICAL CENTER OPERATIONS. CONTRACTOR TO DEVELOP CONSTRUCTION PHASING AND RELATED ICRA PROTECTION NEEDS FOR EACH SPACE WITH INPUT FROM CONTRACTING, FACILITY AND INFECTION CONTROL

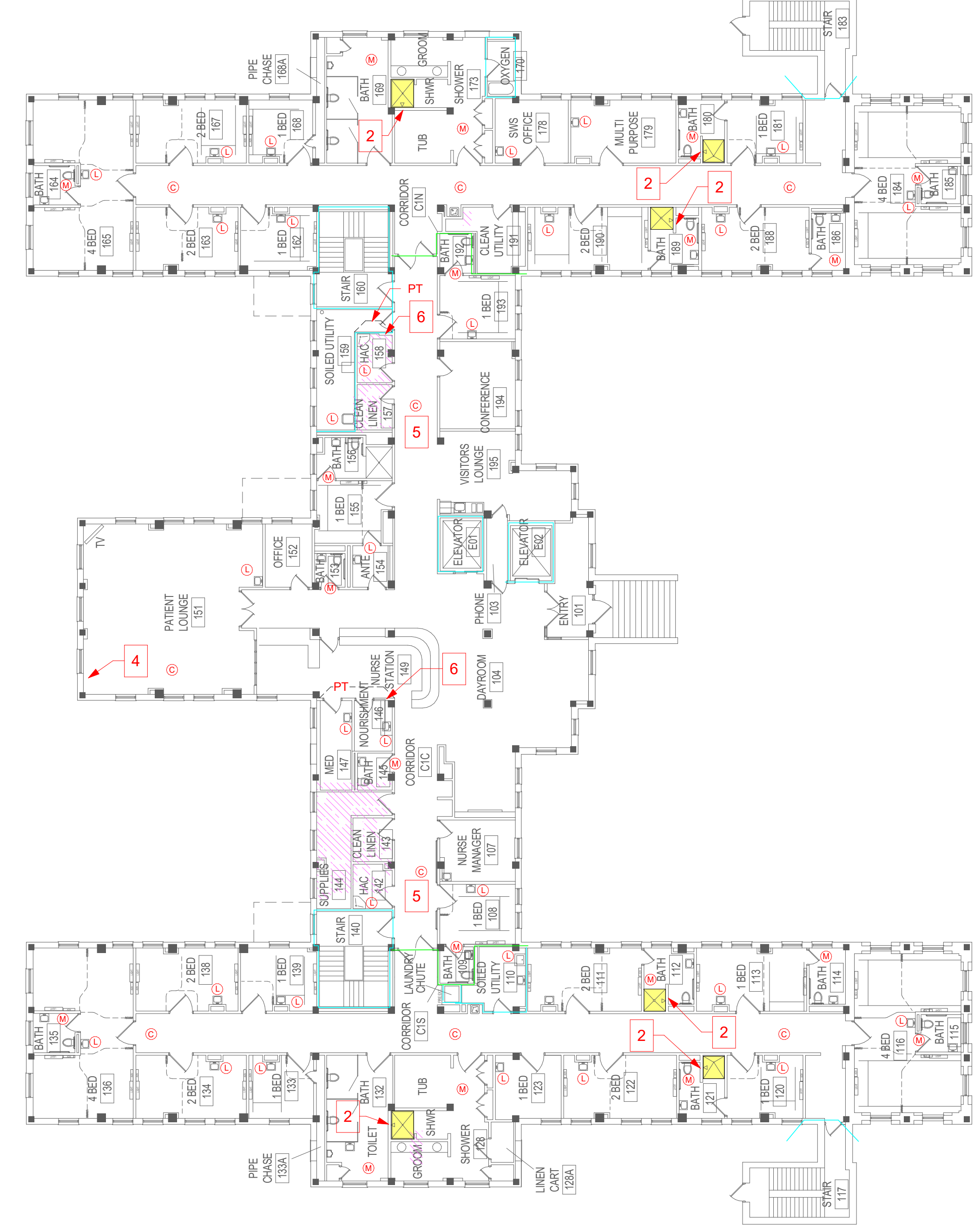
DEMO AND REPAIR NOTES:

- DEMO AND REPAIR IN DRYWALL (PAINT FINISH)
 - LOCATE SHOWER CONTROL FIXTURE HEIGHT ON OPPOSITE SIDE OF WALL.
 - ON OPPOSITE SIDE OF WALL USING STRAIGHT EDGES DEMO AN OPENING IN DRYWALL OF 18 INCHES X 18 INCHES. CENTERED ON SHOWER CONTROL FIXTURE. ENSURE OPENING SPANS MINIMUM 1 STUD FOR SECURING DRYWALL PATCH.
 - INSTALL PLUMBING AS NOTED IN MECHANICAL DRAWINGS.
 - INSTALL BLOCKING AS NECESSARY TO SUPPORT DRYWALL PATCH.
 - WHERE APPLICABLE INSTALL BLOCKING TO SUPPORT ACCESS PANEL. REF. FINISH SCHEDULE FOR ACCESS PANEL LOCATIONS.
 - INSTALL DRYWALL PATCH FIT SO ANY GAPS BETWEEN PATCH AND EXISTING WALL IS MAXIMUM 1/4 INCH.
 - APPLY DRYWALL COMPOUND AS NECESSARY TO FILL GAP AND BLEND TO EXISTING WALL FINISH.
 - COLOR MATCH EXISTING PAINT AND COVER ENTIRE WALL FROM CORNER TO CORNER.
 - WHERE APPLICABLE INSTALL ACCESS PANEL. REF. DRAWING 2/AE106
 - CLEAN WORK AREA.
- DEMO AND REPAIR IN TILE WALL (TILE FINISH)
 - LOCATE SHOWER CONTROL FIXTURE HEIGHT ON OPPOSITE SIDE OF WALL.
 - ON NON-FIXTURE SIDE OF WALL REMOVE EXISTING TILE AS NECESSARY TO ALLOW FOR AN OPENING IN BACKER BOARD OF 18 INCHES X 18 INCHES. CENTERED ON SHOWER CONTROL FIXTURE.
 - USING STRAIGHT EDGES DEMO AN OPENING IN BACKER BOARD OF 18 INCHES X 18 INCHES. CENTERED ON SHOWER CONTROL FIXTURE ON OPPOSITE SIDE OF WALL. ENSURE OPENING SPANS MINIMUM 1 STUD FOR SECURING BACKER BOARD PATCH.
 - INSTALL PLUMBING AS NOTED IN MECHANICAL DRAWINGS.
 - INSTALL BLOCKING AS NECESSARY TO SUPPORT BACKER BOARD PATCH.
 - WHERE APPLICABLE INSTALL BLOCKING TO SUPPORT ACCESS PANEL. REF. FINISH SCHEDULE FOR ACCESS PANEL LOCATIONS.
 - INSTALL BACKER BOARD PATCH SO ANY GAPS BETWEEN PATCH AND EXISTING WALL IS MAXIMUM 1/4 INCH.
 - REPAIR WATERPROOFING MEMBRANE AS NECESSARY.
 - APPLY TILE MORTAR AS NECESSARY TO FILL GAP AND ADHERED NEW TILE.
 - COLOR MATCH EXISTING TILE AND PLACE TILE ON WALL WITH JOINTING TO MATCH EXISTING.
 - ONCE TILE ARE FULLY ADHERED, INSTALL JOINT GROUT TO FINISH.
 - WHERE APPLICABLE INSTALL ACCESS PANEL. REF. DRAWING 2/AE106
 - CLEAN WORK AREA.

- DEMO AND REPAIR IN EXISTING ACCESSIBLE PIPE CHASES
 - LOCATE SHOWER CONTROL FIXTURE ON OPPOSITE SIDE OF WALL.
 - INSTALL PLUMBING AS NOTED IN MECHANICAL DRAWINGS.
- DEMO AND REPAIR FOR EXISTING NON-ACCESSIBLE PIPE CHASES (DRYWALL FINISH)
 - DEMO EXISTING DRYWALL ON CHASE, FROM CEILING TO FLOOR, TO ALLOW FOR PIPING TO BE INSTALLED.
 - INSTALL PLUMBING AS NOTED IN MECHANICAL DRAWINGS.
 - INSTALL NEW DRYWALL TO EXISTING STUDS.
 - APPLY DRYWALL COMPOUND AS NECESSARY TO PATCH NEW WALL TO EXISTING WALLS.
 - COLOR MATCH EXISTING PAINT AND COVER ENTIRE WALL FROM CORNER TO CORNER.
 - CLEAN WORK AREA.
- REMOVE CEILING TILE AND GRID AS REQUIRED TO MAKE NEW PLUMBING CONNECTIONS TO EXISTING MAINS. REF. PLUMBING.
- DEMO AND REPAIR IN DRYWALL (PAINT FINISH)
 - USING STRAIGHT EDGES DEMO AN OPENING IN DRYWALL SPANNING FROM STUD TO STUD AND HEIGHT AS REQUIRED FOR CIRC. PIPE RISER CONNECTIONS. REF. MECH DRAWINGS.
 - INSTALL PLUMBING AS NOTED IN MECHANICAL DRAWINGS.
 - INSTALL BLOCKING AS NECESSARY TO SUPPORT DRYWALL PATCH.
 - INSTALL DRYWALL PATCH FIT SO ANY GAPS BETWEEN PATCH AND EXISTING WALL IS MAXIMUM 1/4 INCH.
 - APPLY DRYWALL COMPOUND AS NECESSARY TO FILL GAP AND BLEND TO EXISTING WALL FINISH.
 - COLOR MATCH EXISTING PAINT AND COVER ENTIRE WALL FROM CORNER TO CORNER.
 - CLEAN WORK AREA.



1 BUILDING 50 - BASEMENT LEVEL
1/16" = 1'-0"



2 BUILDING 50 - FIRST LEVEL
1/16" = 1'-0"



3 BUILDING 50 - FIRST LEVEL
1/16" = 1'-0"

Revision#	Description	Date:

CONSULTANTS
MECHANICAL, ELECTRICAL, PLUMBING:
DUNHAM
50 SOUTH SIXTH STREET
SUITE 1100
MINNEAPOLIS, MN 55402
612-465-7550
P.O.C.: DAN WEISS

ARCHITECT OF RECORD
A/E:
STONE GROUP ARCHITECTS, INC.
1001 TWELVE OAKS CENTER DRIVE,
SUITE 1025
WAZATA, MN 55391
952.476.5850

STAMP
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the state of Minnesota.
Signature: *[Signature]*
Typed or Printed Name: TODD STANE AIA
Date: 2/2/21 License Number: 51525

Project Title INSTALL LEGIONELLA PREVENTION	Project Number VAF 656-16-284
Location SAINT CLOUD, MN	Building Number MULTIPLE
Phase FINAL CONSTRUCTION DOCUMENTS	Drawing Number
Drawing Title BUILDINGS 50 - FLOOR PLAN	AE104
Issue Date FEB 2, 2021	Checked
	Drawn

U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System

