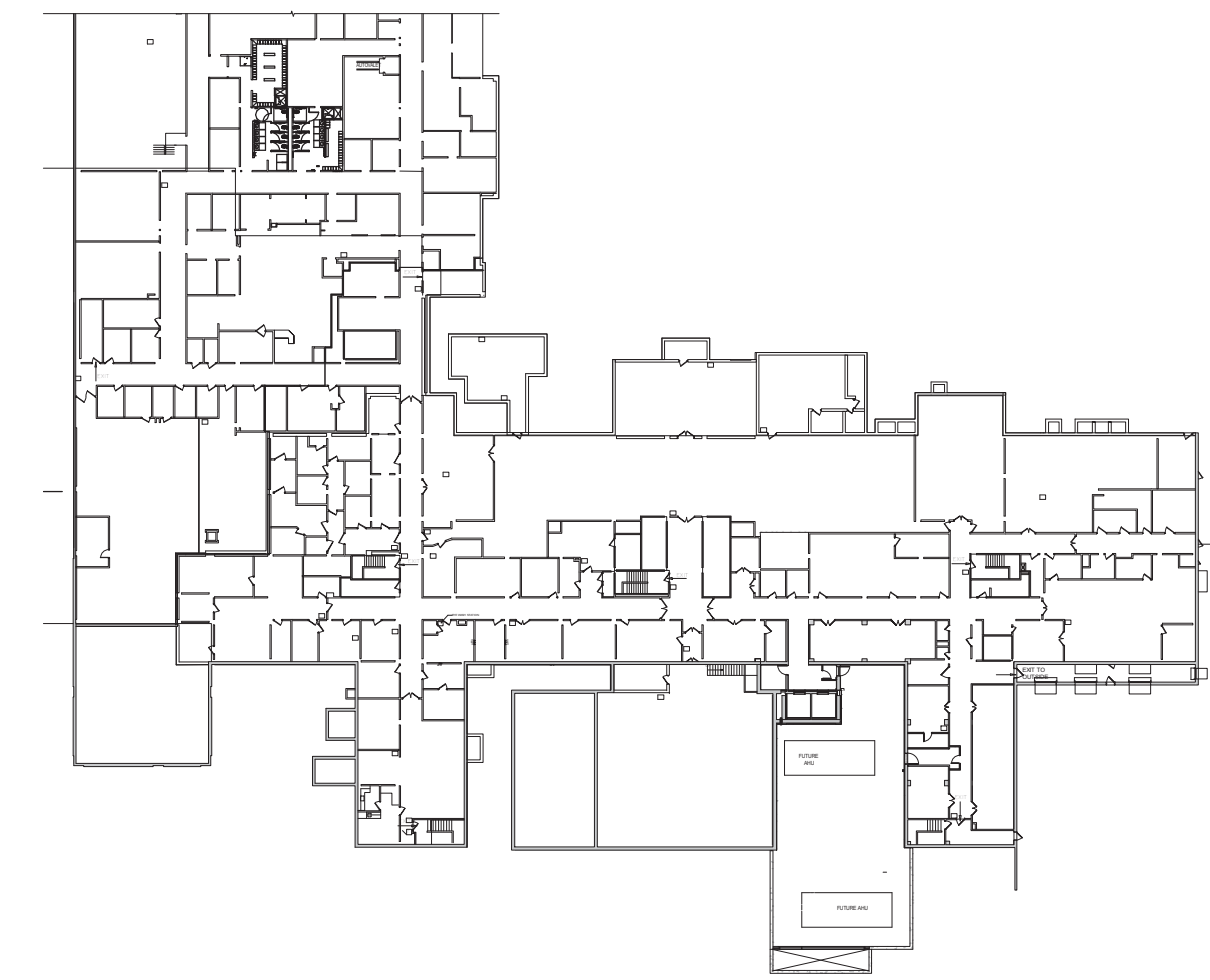
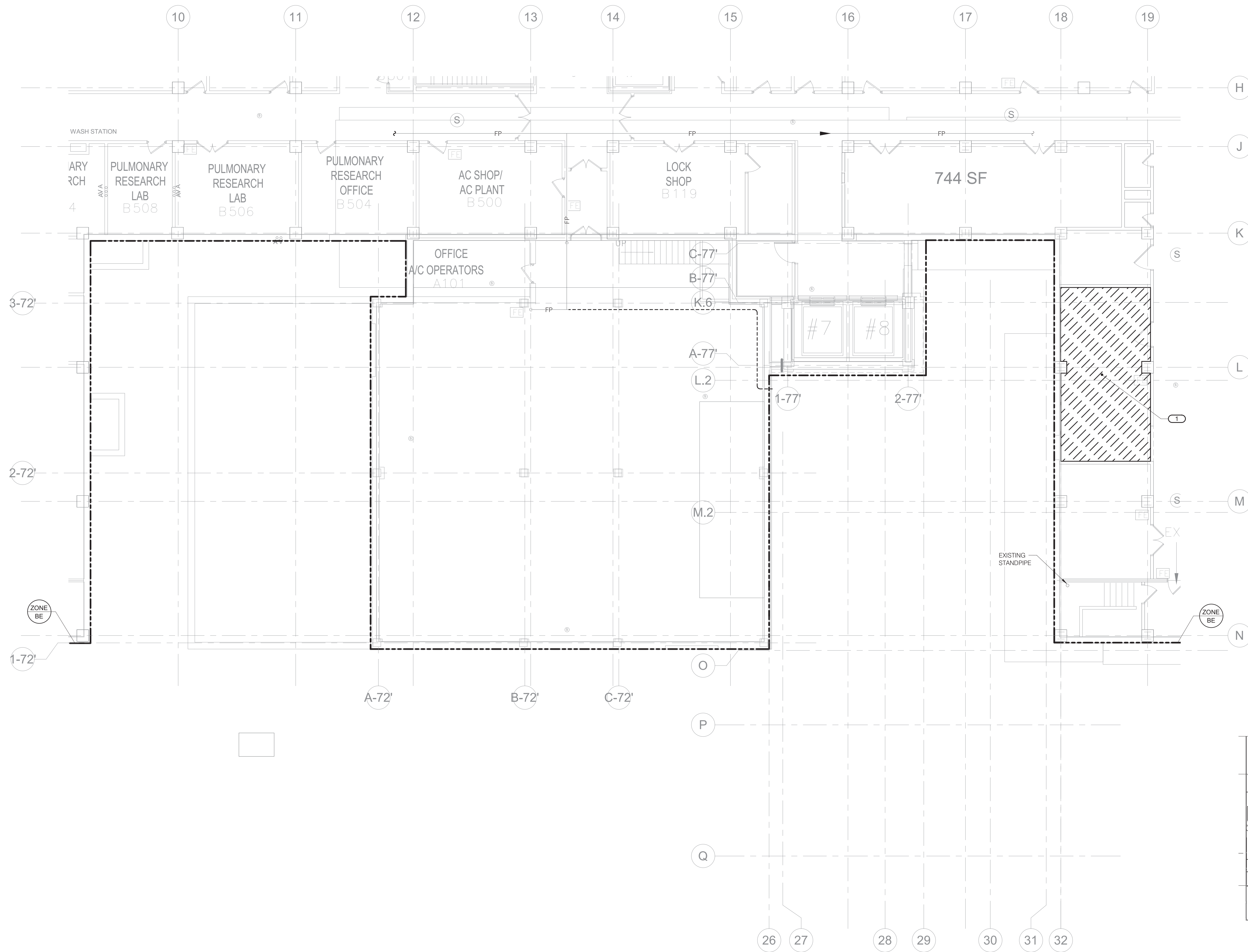


- GENERAL FIRE PROTECTION NOTES:**
- REFER TO F000 FOR FIRE PROTECTION GENERAL NOTES, SYMBOLS, ABBREVIATIONS, AND FIRE SPRINKLER USAGE SCHEDULE.
 - COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE, AND TO VERIFY NON-INTERFERENCE WITH OTHER WORK. DO NOT FABRICATE PRIOR TO VERIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH FABRICATION OR EQUIPMENT ORDERS.
- KEYNOTES:**
- REMOVE SPRINKLER HEADS IN THIS SPACE IN PREPARATION FOR RECONFIGURATION OF ROOMS AND CEILINGS.



1 BASEMENT DEMOLITION - FIRE PROTECTION
1/8" = 1'-0"

KEY PLAN

IMEG
2882 10TH STREET
DES MOINES, IA 50319
515.254.8900 FAX: 515.254.9998
www.imegcorp.com
PROJECT # 19004249.01

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REFERENCE SCALE IN INCHES
1" = 1'-0"

Revisions:	Date:

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

ANDERSON

13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 15744

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
BASEMENT DEMOLITION PLAN - FIRE PROTECTION

Approved: _____

Phase
100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
NWIHCS - CONSTRUCT AIR HANDLING TOWER

Location
OMAHA, NE

Issue Date
05/28/21

Checked
RAYBRA

Drawn
DELLE

Project Number
636-18-303

Building Number
1

Drawing Number
FD100

BID SET

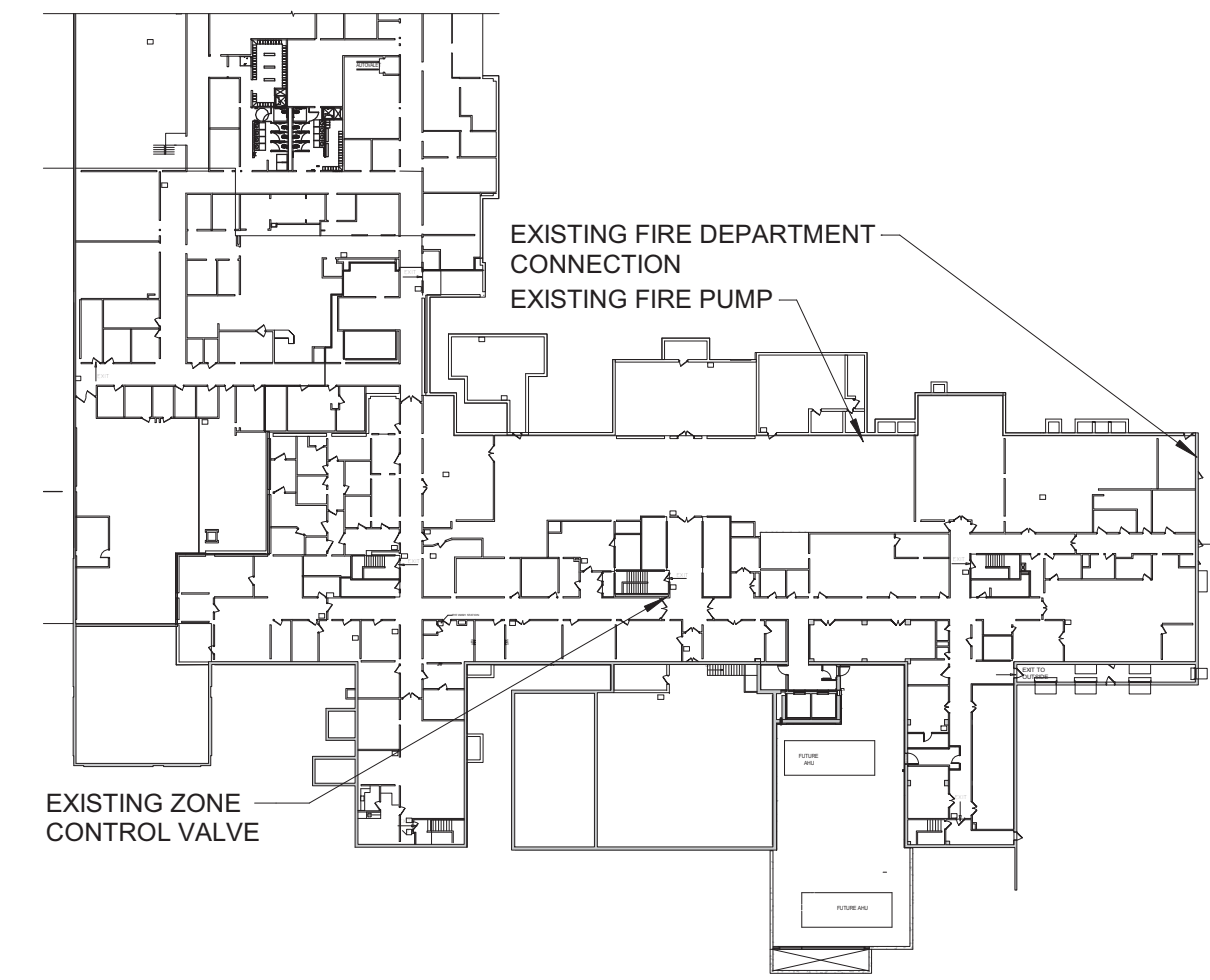
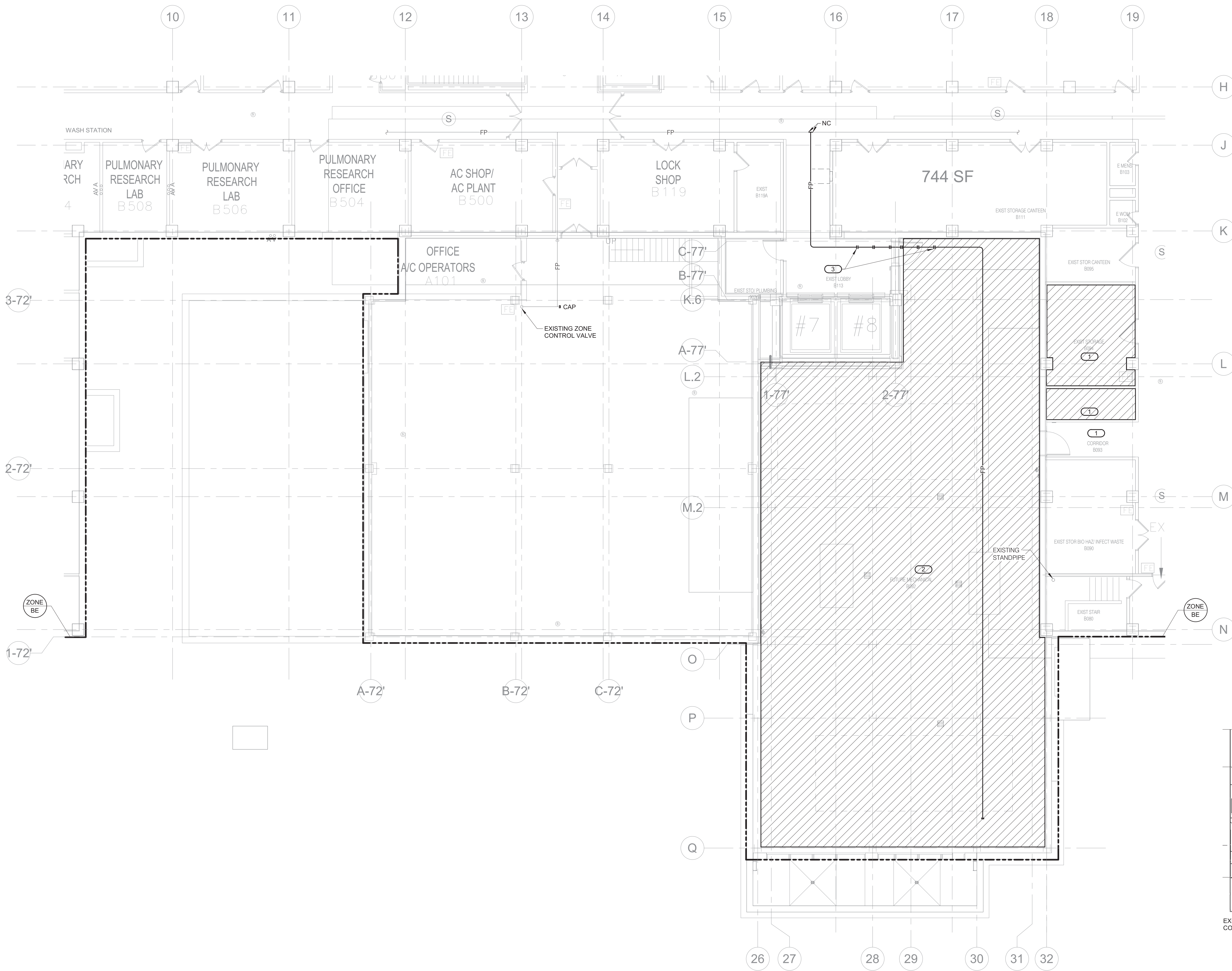
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GENERAL FIRE PROTECTION NOTES:

1. REFER TO F000 FOR FIRE PROTECTION GENERAL NOTES, SYMBOLS, ABBREVIATIONS, AND FIRE SPRINKLER USAGE SCHEDULE.
2. REFER TO 1/F000 FOR RATED FIRE BARRIER PENETRATIONS. REFER TO ARCHITECTURAL PLANS FOR FIRE BARRIER LOCATIONS.
3. REFER TO 2/F000 FOR PIPE THROUGH NON-RATED WALL DETAIL.
4. FIRE PROTECTION PIPE ROUTING IS SHOWN IN INDICATE DESIGN INTENT. FIRE PROTECTION CONTRACTOR SHALL DETERMINE EXACT NUMBER OF SPRINKLERS, PIPE SIZING, AND PIPE ROUTING BASED ON HYDRAULIC CALCULATIONS AND DETAILED WORKING DRAWINGS REQUIRED IN NFPA 13.
5. DRAWINGS SHOWING LOCATIONS OF EQUIPMENT, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF PIPING, EQUIPMENT, ETC., AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHER TRADES WILL PERMIT.
6. DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FORM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES.
7. COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE, AND TO VERIFY NON-INTERFERENCE WITH OTHER WORK. DO NOT FABRICATE PRIOR TO VERIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH FABRICATION OR EQUIPMENT ORDERS.
8. CENTER SPRINKLERS IN CEILING TILES IN BOTH DIRECTIONS IN ALL AREAS. IN AREAS WITH 2'x4' CEILING TILES, CENTERING USING A 2'x2' CEILING PATTERN IS ACCEPTABLE.
9. PROVIDE SPRINKLER COVERAGE ABOVE AND BELOW ALL DUCTWORK GREATER THAN 48" WIDE.

KEYNOTES:

1. RECONFIGURE SPRINKLERS IN THESE STORAGE AREAS WHERE SPACES AND CEILINGS ARE BEING REARRANGED AS REQUIRED IN NFPA 13.
2. EXTEND FIRE PROTECTION PIPING FROM NEAREST EXISTING ZONE MAIN TO PROTECT NEW MECHANICAL ROOM ON THIS LEVEL IN ACCORDANCE WITH NFPA 13.
3. PROVIDE PIPE EXPANSION COUPLING ASSEMBLIES SIMILAR TO VICTAULIC STYLE 155 EXPANSION JOINT ON BOTH SIDES OF BUILDING DIVISION WALL. EXPANSION JOINT SHALL BE CAPABLE OF A MINIMUM COMBINED LINEAR MOVEMENT OF 8.00 INCHES.



1 BASEMENT LEVEL FLOOR - FIRE PROTECTION
1/8" = 1'-0"

KEY PLAN

IMEG
2882 10TH STREET
DES MOINES, IA 50319
515.284.8988 FAX: 515.234.9988
www.imegcorp.com
PROJECT # 19004249.01

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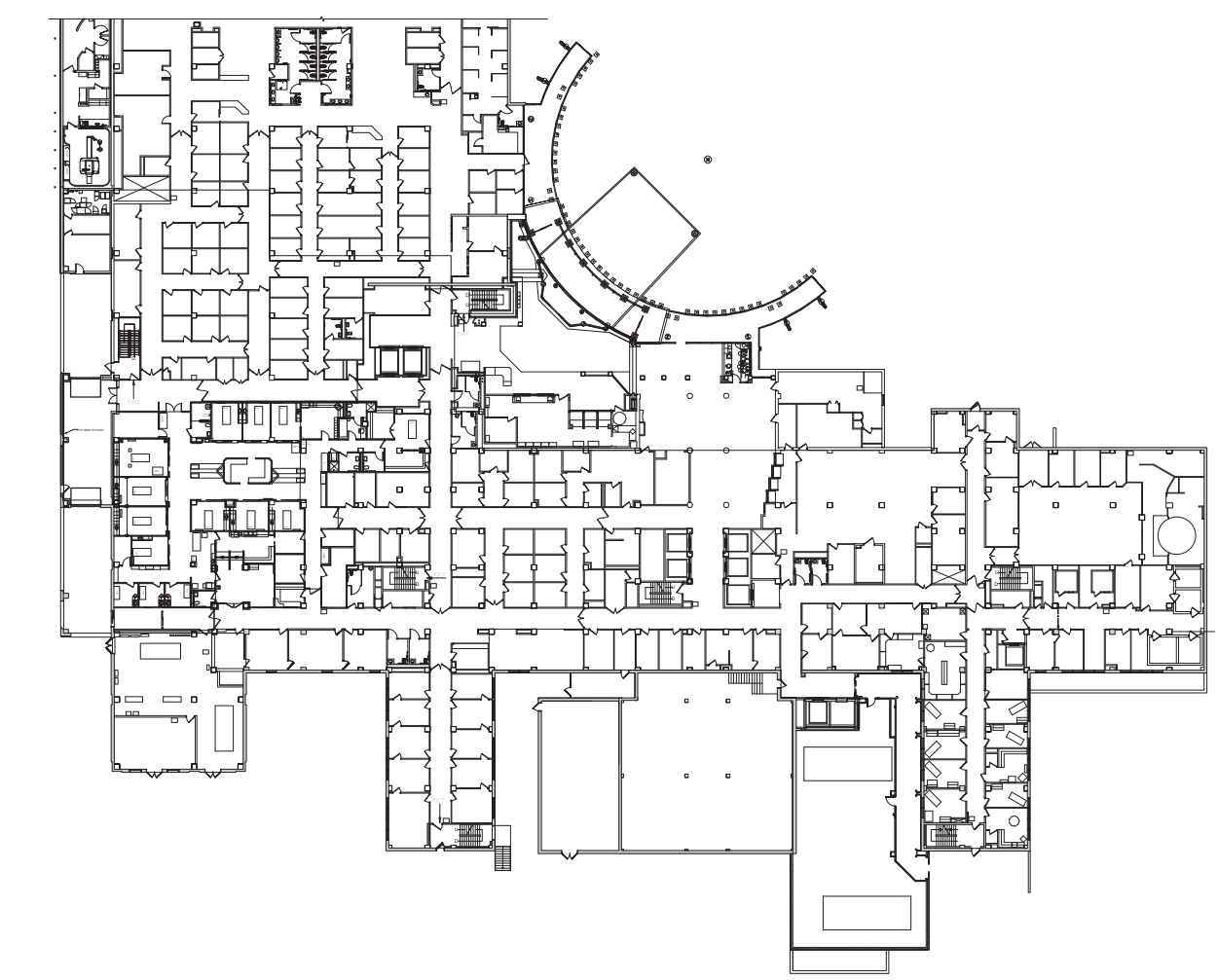
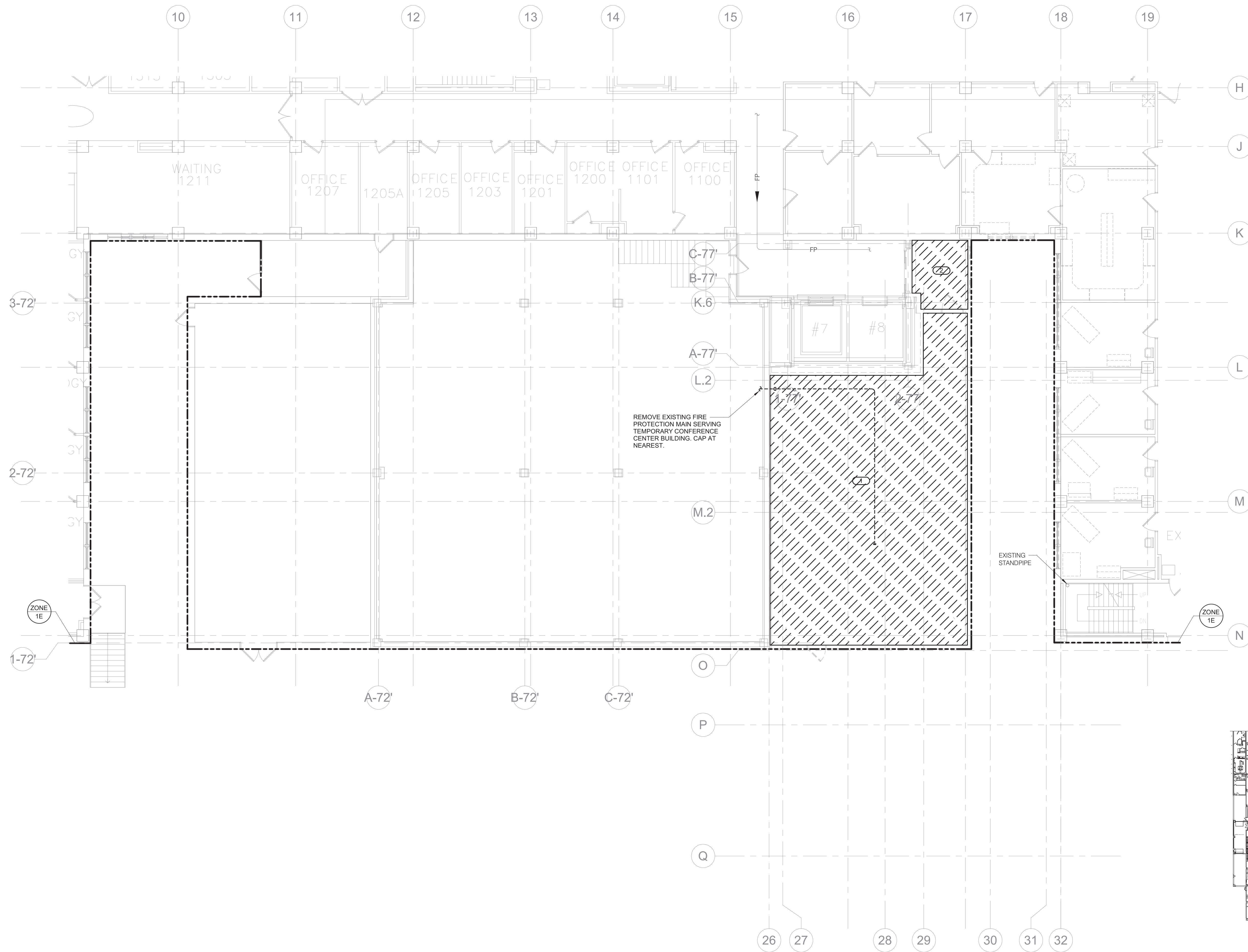
REFERENCE SCALE IN INCHES
1" = 1'-0"

<p>CONSULTANT</p>	<p>ARCHITECT/ENGINEER OF RECORD</p> <p>ANDERSON</p> <p>13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 15744</p>	<p>STAMP</p>	<p>Office of Construction and Facilities Management</p> <p>VA U.S. Department of Veterans Affairs</p>	<p>Drawing Title</p> <p>BASEMENT FLOOR PLAN - FIRE PROTECTION</p>	<p>Phase</p> <p>100% CONSTRUCTION DOCUMENTS</p>	<p>Project Title</p> <p>NWIHCS - CONSTRUCT AIR HANDLING TOWER</p>	<p>Project Number</p> <p>636-18-303</p>
				<p>Approved:</p>	<p>FULLY SPRINKLERED</p>	<p>Location</p> <p>OMAHA, NE</p>	<p>Building Number</p> <p>1</p>
<p>Revisions:</p>	<p>Date:</p>			<p>Issue Date</p> <p>05/28/21</p>	<p>Checked</p> <p>RAYBRA</p>	<p>Drawn</p> <p>DELLE</p>	<p>Drawing Number</p> <p>F100</p>

BID SET

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- GENERAL FIRE PROTECTION NOTES:**
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- KEYNOTES:**
- REMOVE FIRE PROTECTION PIPING AND SPRINKLERS FROM EXISTING TEMPORARY CONFERENCE BUILDING. CAP FIRE PROTECTION MAIN IN BUILDING 17 MECHANICAL ROOM IMMEDIATELY WEST OF CONFERENCE BUILDING.
 - REMOVE SPRINKLER HEADS IN THIS SPACE IN PREPARATION FOR RECONFIGURATION OF ROOMS AND CEILINGS.



1 FIRST LEVEL FLOOR DEMOLITION - FIRE PROTECTION
1/8" = 1'-0"

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REFERENCE SCALE IN INCHES
1" = 1'-0"

Revisions:	Date:

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

ANDERSON

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Anderson Engineering of Minnesota, LLC | Proj # 15744

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
FIRST LEVEL DEMOLITION PLAN - FIRE PROTECTION

Approved: _____

Phase
100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
NWIHCS - CONSTRUCT AIR HANDLING TOWER

Location
OMAHA, NE

Issue Date
05/28/21

Checked
RAYBRA

Drawn
DELLE

Project Number
636-18-303

Building Number
1

Drawing Number
FD101

BID SET

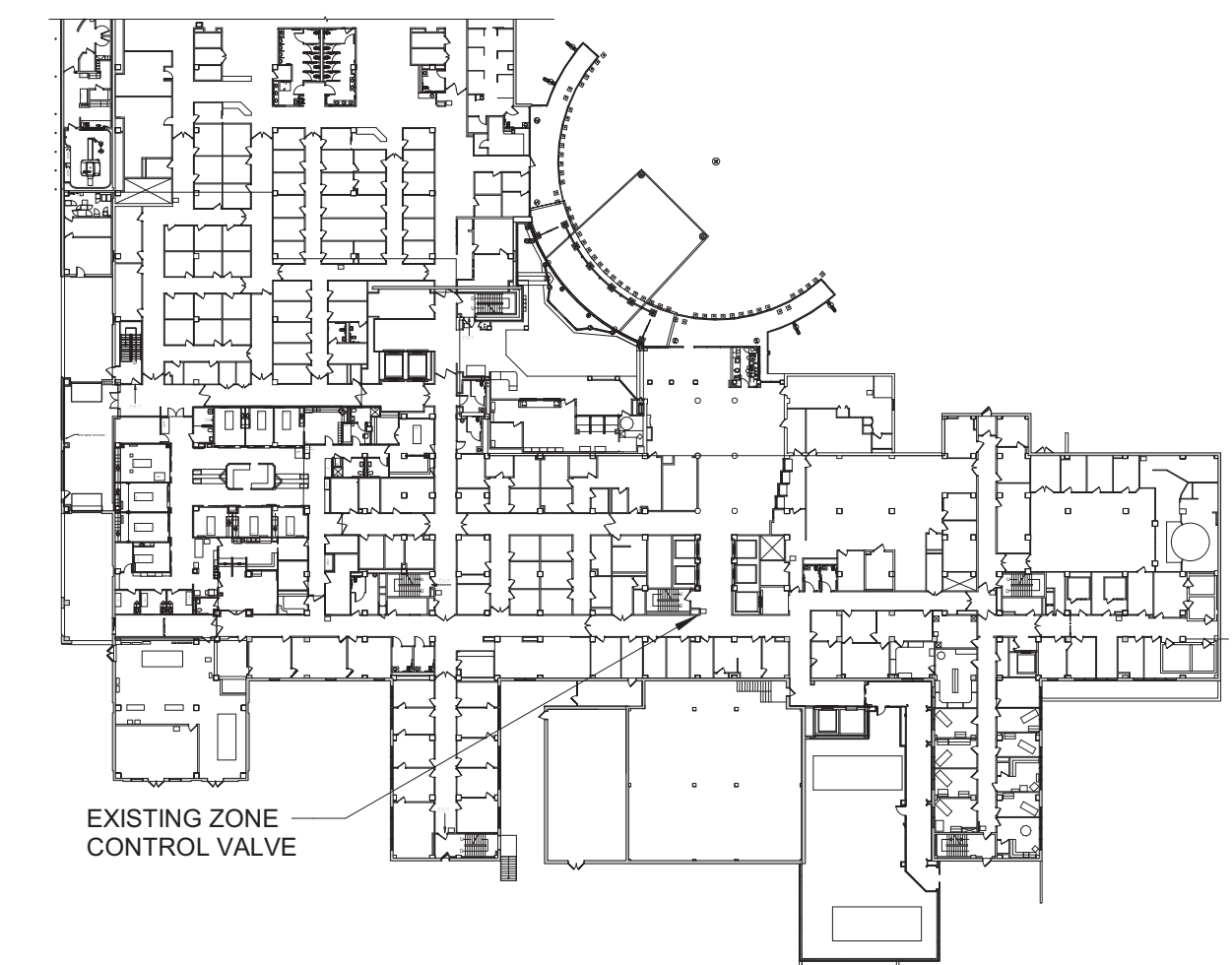
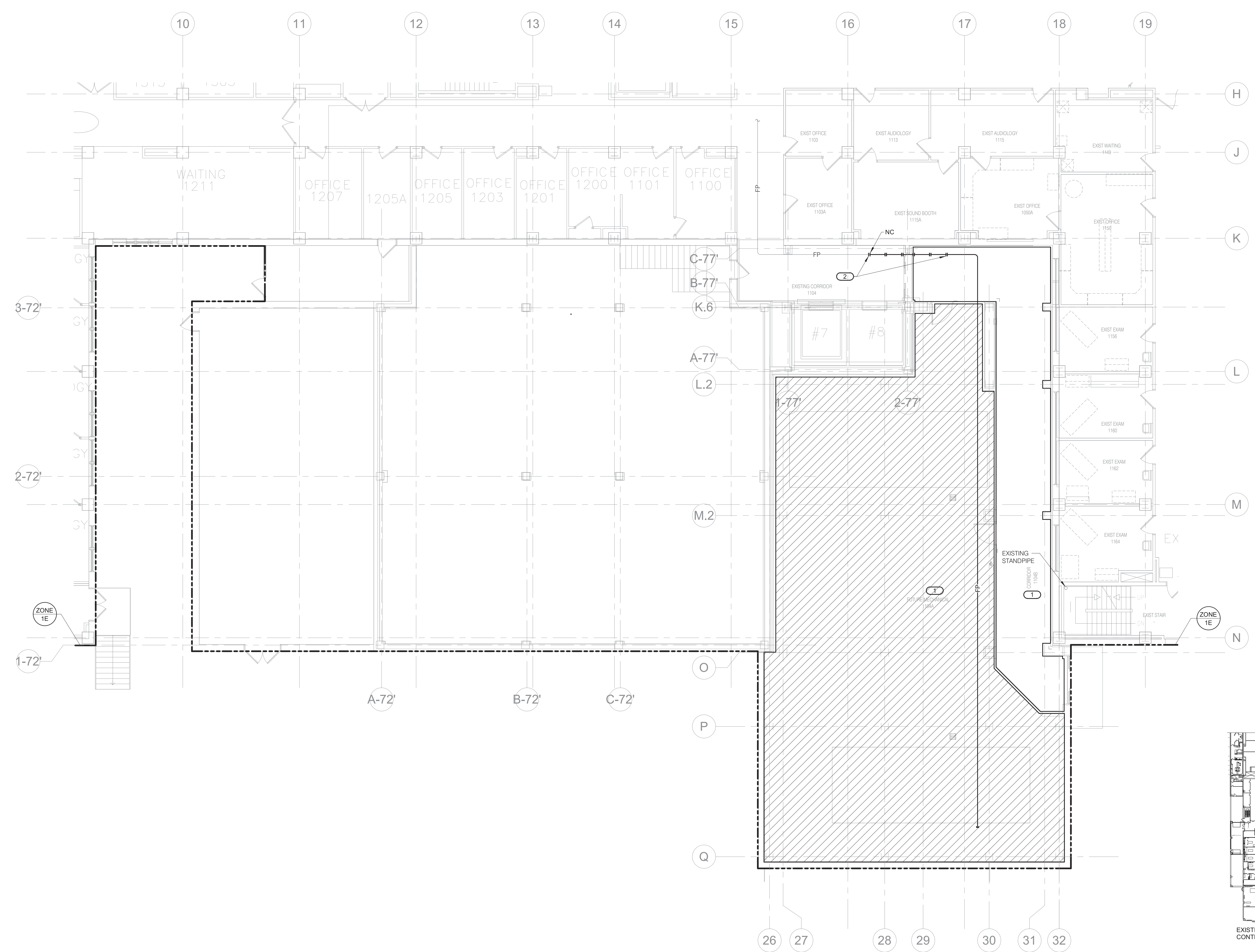
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GENERAL FIRE PROTECTION NOTES:

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- PROVIDE SPRINKLER COVERAGE ABOVE AND BELOW ALL DUCTWORK GREATER THAN 48" WIDE.

KEYNOTES:

- EXTEND FIRE PROTECTION PIPING FROM NEAREST EXISTING ZONE MAIN TO PROTECT NEW MECHANICAL ROOM AND EXIT CORRIDOR ON THIS LEVEL IN ACCORDANCE WITH NFPA 13.
- PROVIDE PIPE EXPANSION COUPLING ASSEMBLIES SIMILAR TO VICTAULIC STYLE 155 EXPANSION JOINT ON BOTH SIDES OF BUILDING DIVISION WALL. EXPANSION JOINT SHALL BE CAPABLE OF A MINIMUM COMBINED LINEAR MOVEMENT OF 8.00 INCHES.



1 FIRST LEVEL FLOOR PLAN - FIRE PROTECTION
1/8" = 1'-0"

KEY PLAN

IMEG
2882 10TH STREET
DES MOINES, IA 50319
515.254.8900 FAX: 515.254.9998
www.imegcorp.com
PROJECT # 19004249.01

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REFERENCE SCALE IN INCHES
1" = 1'-0"

CONSULTANT

IMEG

ARCHITECT/ENGINEER OF RECORD

ANDERSON

13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 15744

STAMP

ERIC J. ANDERSON
REGISTERED PROFESSIONAL ENGINEER
IOWA
20825
05/26/21

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
FIRST LEVEL FLOOR PLAN - FIRE PROTECTION

Approved:

Phase
100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
NWIHCS - CONSTRUCT AIR HANDLING TOWER

Location
OMAHA, NE

Issue Date
05/28/21

Checked
RAYBRA

Drawn
DELLE

BID SET

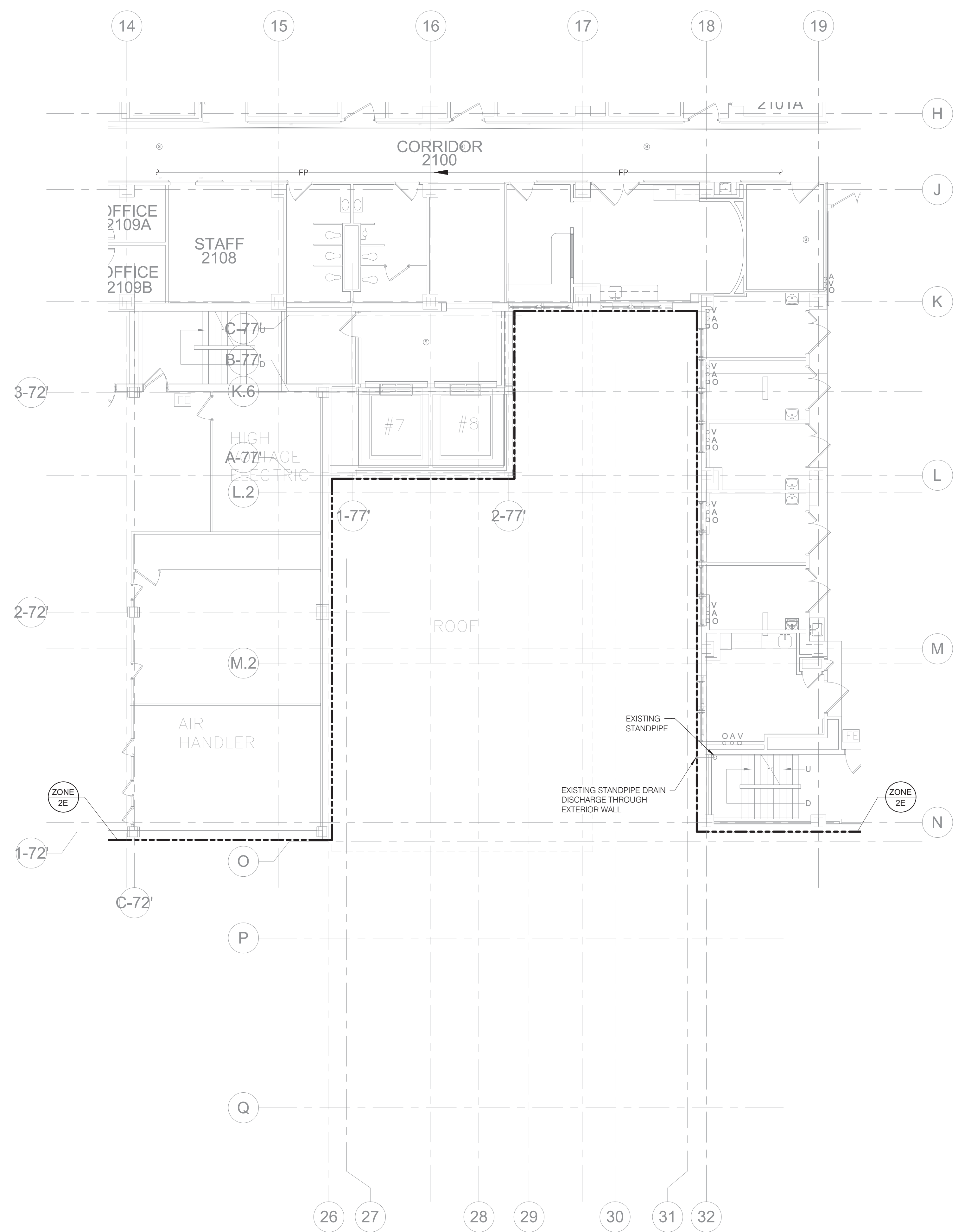
Project Number
636-18-303

Building Number
1

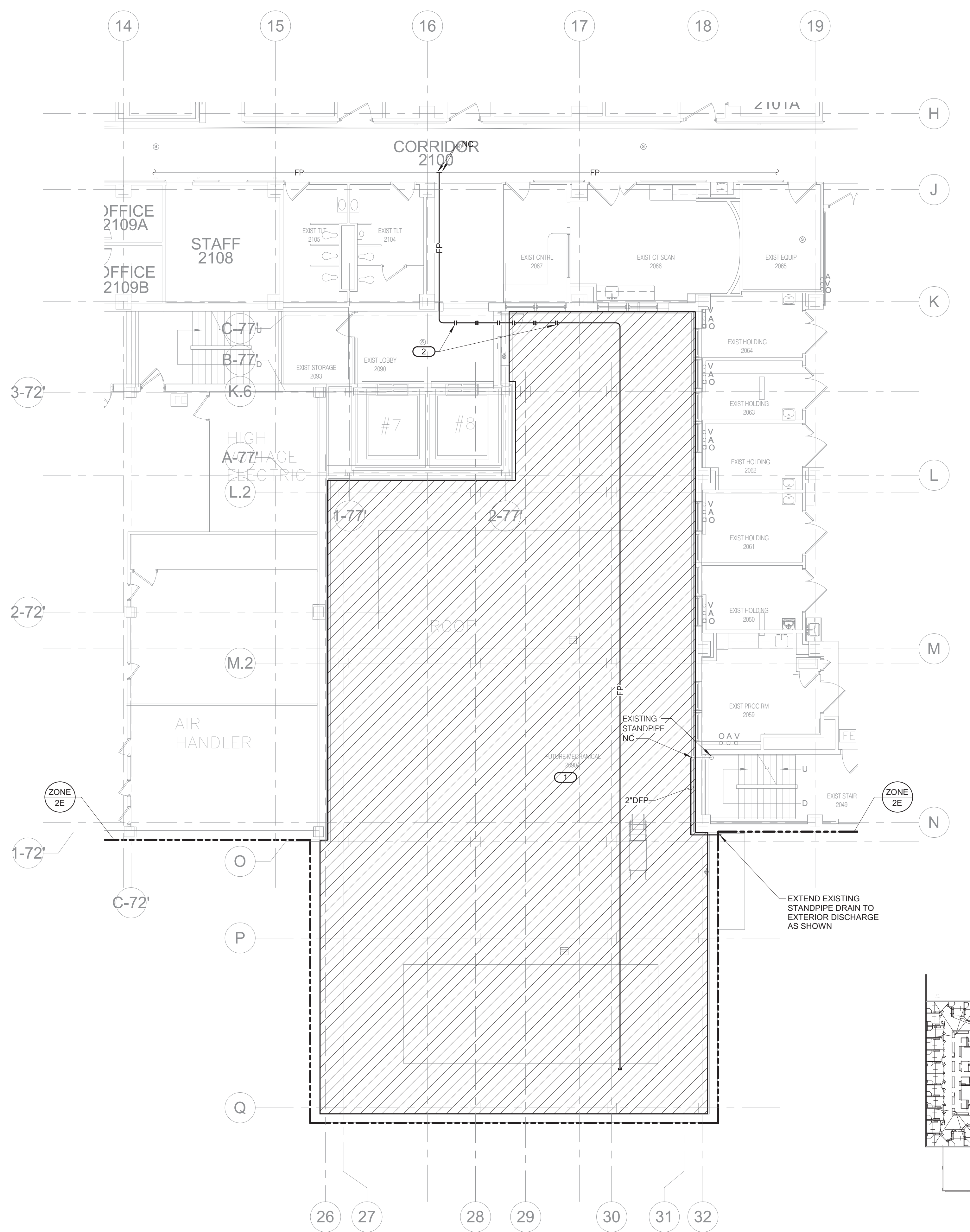
Drawing Number
F101

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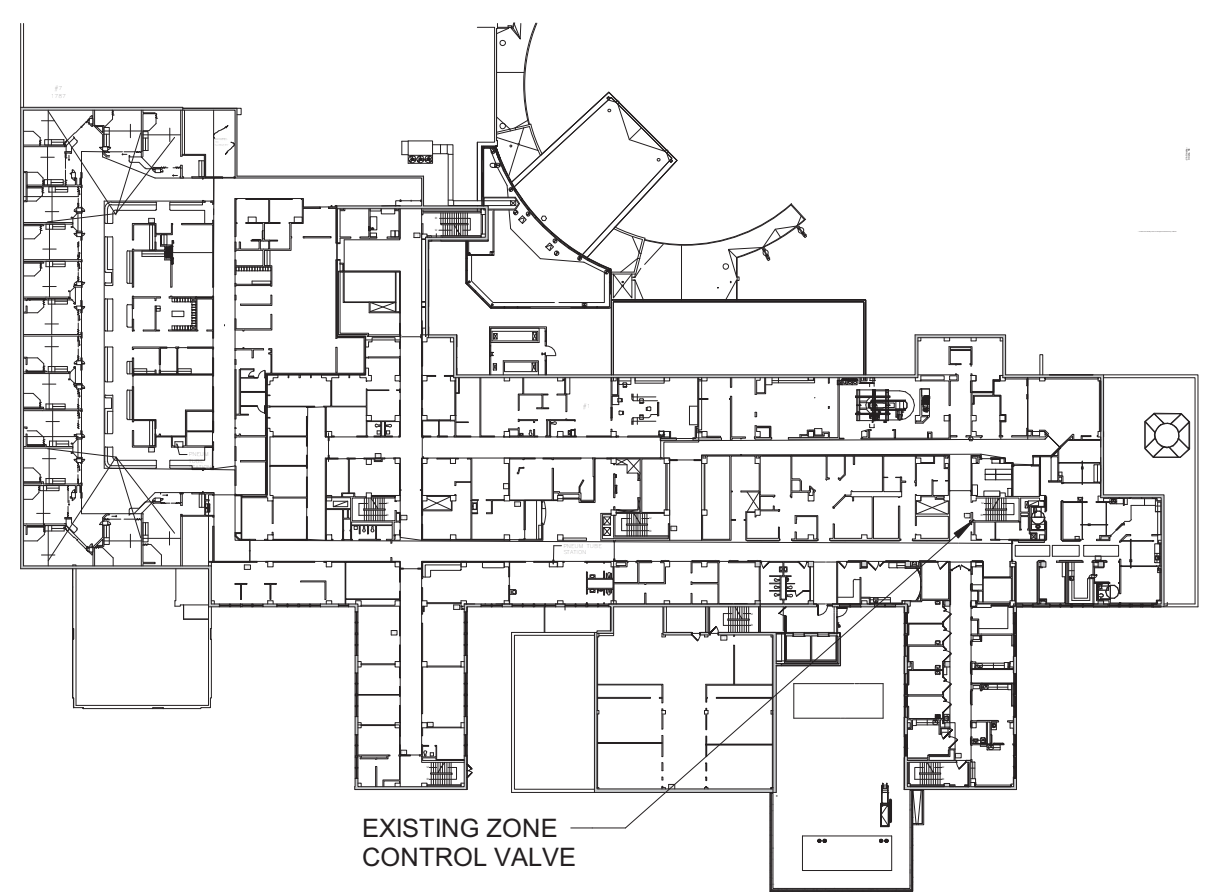
- GENERAL FIRE PROTECTION NOTES:**
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 - REFER TO 2/F000 FOR PIPE THROUGH NON-RATED WALL DETAIL.
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 - PROVIDE SPRINKLER COVERAGE ABOVE AND BELOW ALL DUCTWORK GREATER THAN 48" WIDE.
- KEYNOTES:**
- EXTEND FIRE PROTECTION PIPING FROM NEAREST EXISTING ZONE MAIN TO PROTECT NEW MECHANICAL ROOM ON THIS LEVEL IN ACCORDANCE WITH NFPA 13.
 - PROVIDE PIPE EXPANSION COUPLING ASSEMBLIES SIMILAR TO VICTALIC STYLE 155 EXPANSION JOINT ON BOTH SIDES OF BUILDING DIVISION WALL. EXPANSION JOINT SHALL BE CAPABLE OF A MINIMUM COMBINED LINEAR MOVEMENT OF 8.00 INCHES.



1 SECOND LEVEL FLOOR DEMOLITION - FIRE PROTECTION
1/8" = 1'-0"



2 SECOND LEVEL FLOOR PLAN - FIRE PROTECTION
1/8" = 1'-0"



KEY PLAN

IMEG
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REFERENCE SCALE IN INCHES
1" = 1'-0"

Revisions:	Date:

CONSULTANT

IMEG

ARCHITECT/ENGINEER OF RECORD

ANDERSON

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Anderson Engineering of Minnesota, LLC | Proj # 15744

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ERIC J. ANDERSON
REGISTERED PROFESSIONAL ENGINEER
IOWA
05/26/21

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
SECOND LEVEL FLOOR PLAN - FIRE PROTECTION

Approved: _____

Phase
100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
NWIHCS - CONSTRUCT AIR HANDLING TOWER

Location
OMAHA, NE

Issue Date
05/28/21

Checked
RAYBRA

Drawn
DELLE

Project Number
636-18-303

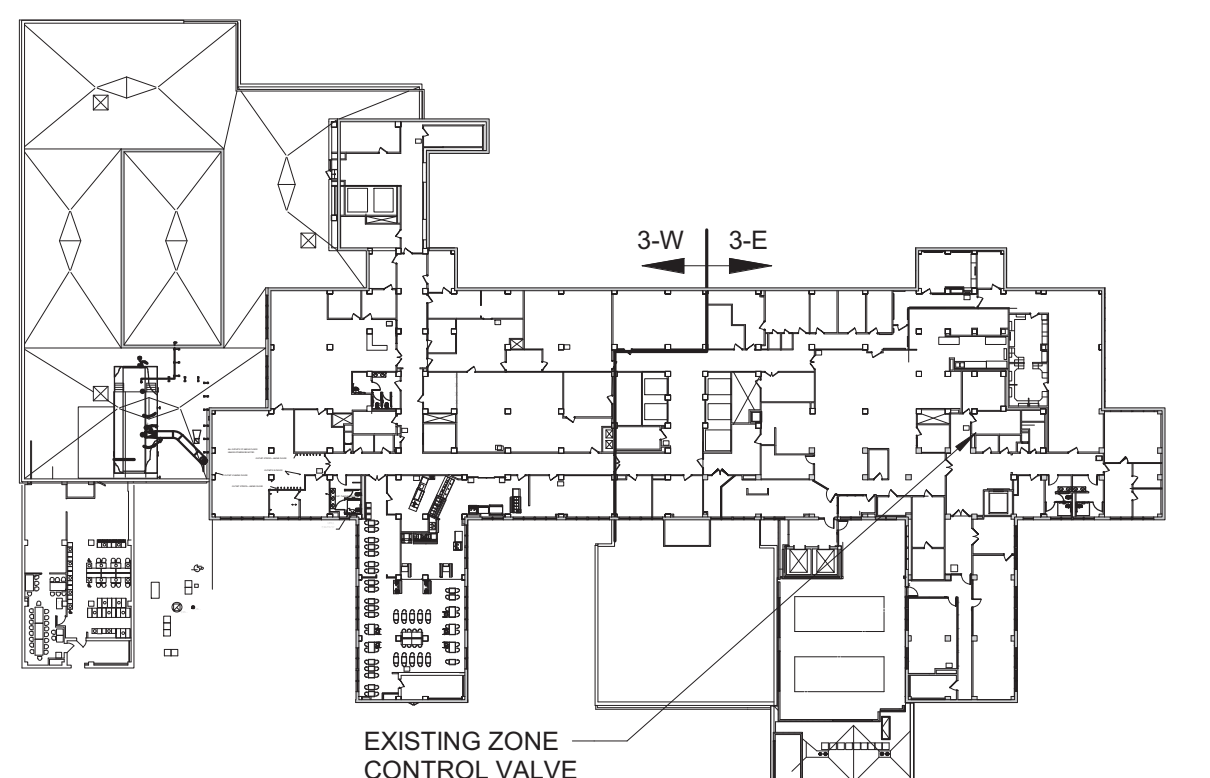
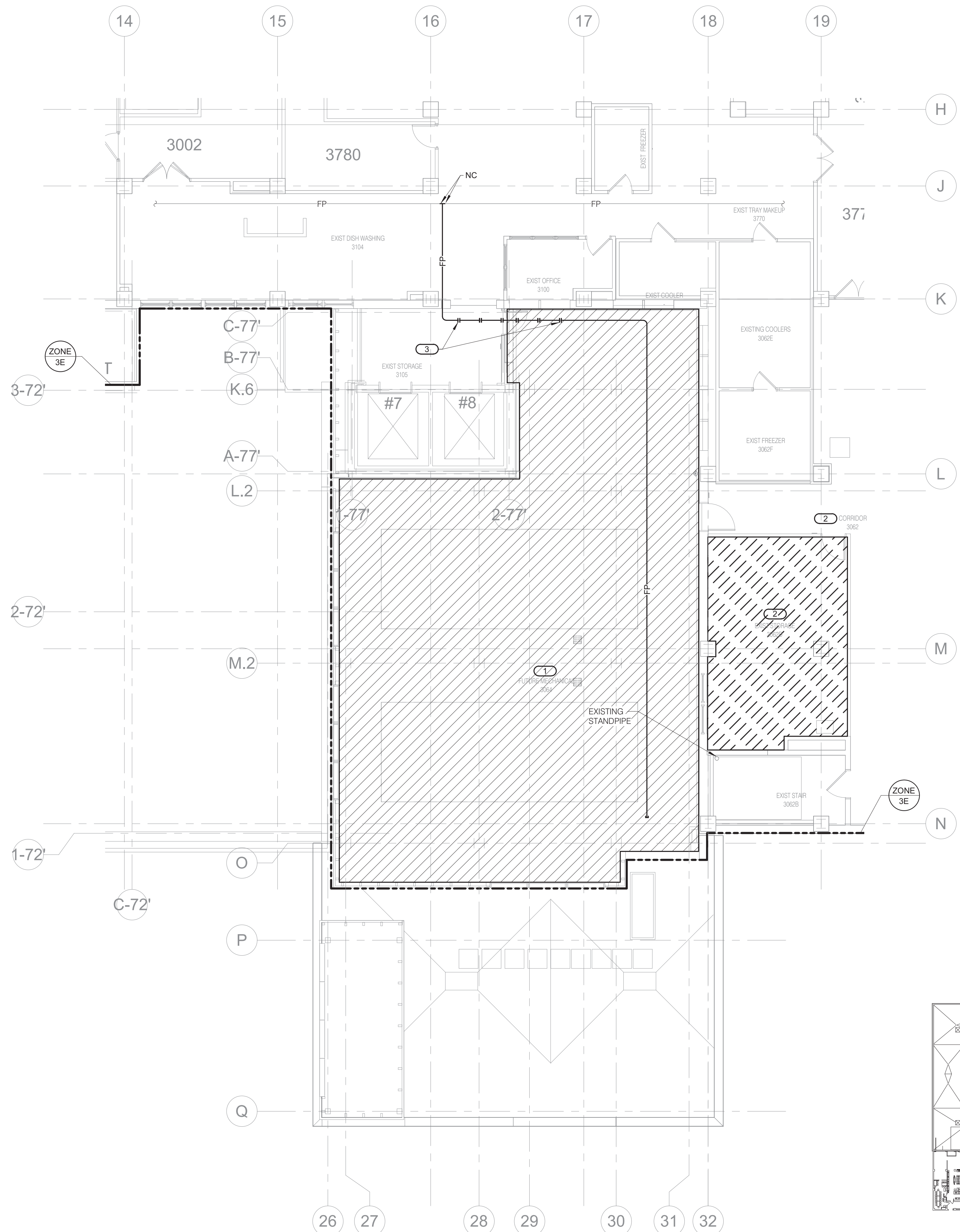
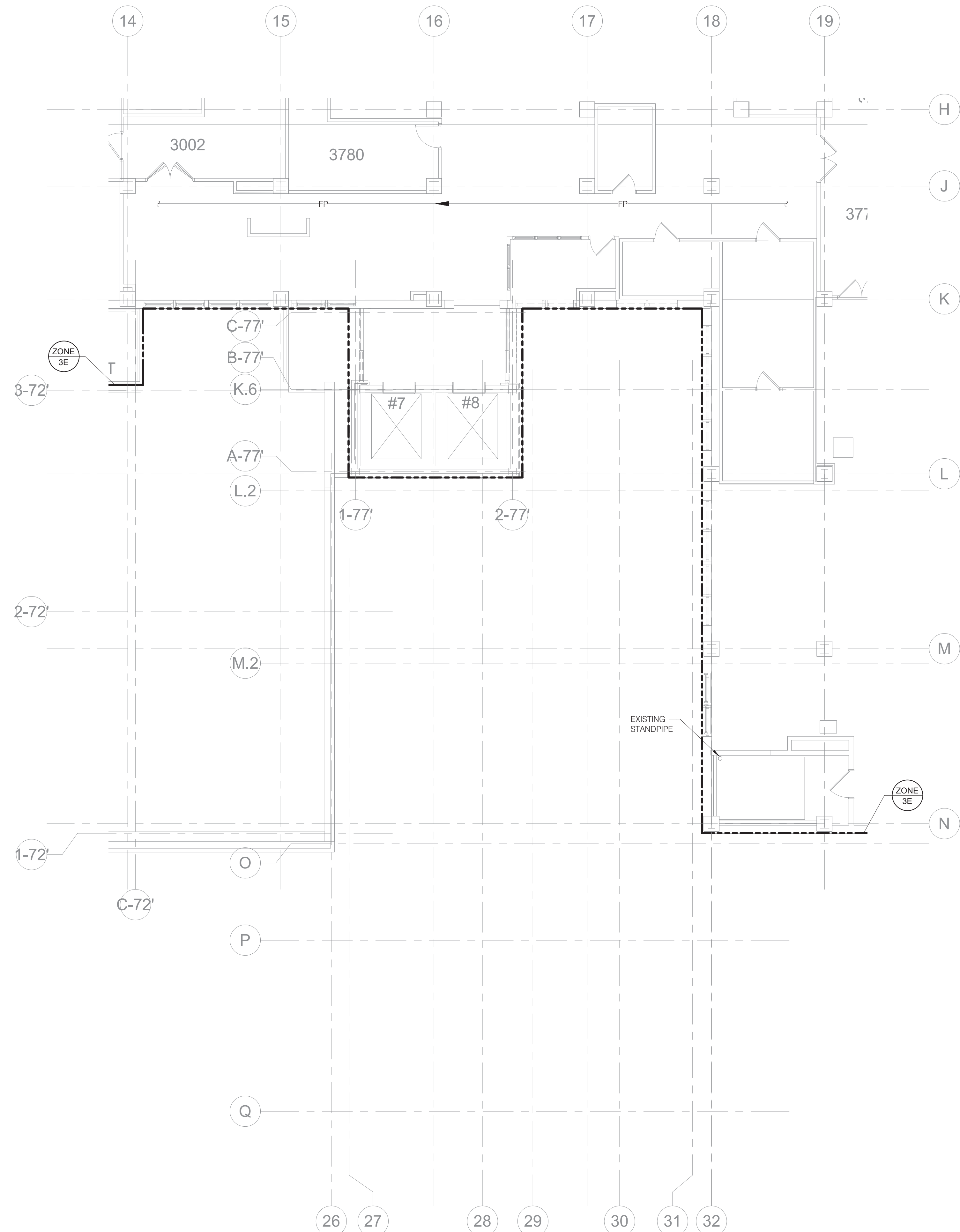
Building Number
1

Drawing Number
F102

BID SET

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- GENERAL FIRE PROTECTION NOTES:**
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 - CENTER SPRINKLERS IN CEILING TILES IN BOTH DIRECTIONS IN ALL AREAS. IN AREAS WITH 2'x4' CEILING TILES, CENTERING USING A 2'x2' CEILING PATTERN IS ACCEPTABLE.
 - PROVIDE SPRINKLER COVERAGE ABOVE AND BELOW ALL DUCTWORK GREATER THAN 48" WIDE.
- KEYNOTES:**
- EXTEND FIRE PROTECTION PIPING FROM NEAREST EXISTING ZONE MAIN TO PROTECT NEW MECHANICAL ROOM ON THIS LEVEL IN ACCORDANCE WITH NFPA 13.
 - EXISTING STORAGE 3002 IS BEING SUBDIVIDED TO PROVIDE REQUIRED EGRESS FROM FUTURE MECHANICAL 3004. RECONFIGURE SPRINKLER HEADS IN THIS NEW CORRIDOR AND EXISTING STORAGE 3002 AS NECESSARY IN ACCORDANCE WITH NFPA 13. ANY EXISTING SPRINKLER HEADS WHICH ARE REMOVED FROM THE SYSTEM SHALL NOT BE REUSED.
 - PROVIDE PIPE EXPANSION COUPLING ASSEMBLIES SIMILAR TO VICTALIC STYLE 155 EXPANSION JOINT ON BOTH SIDES OF BUILDING DIVISION WALL. EXPANSION JOINT SHALL BE CAPABLE OF A MINIMUM COMBINED LINEAR MOVEMENT OF 8.00 INCHES.



1 THIRD LEVEL FLOOR DEMOLITION - FIRE PROTECTION
1/8" = 1'-0"

2 THIRD LEVEL FLOOR PLAN - FIRE PROTECTION
1/8" = 1'-0"

KEY PLAN

BID SET

IMEG
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PROJECT # 19004249.01

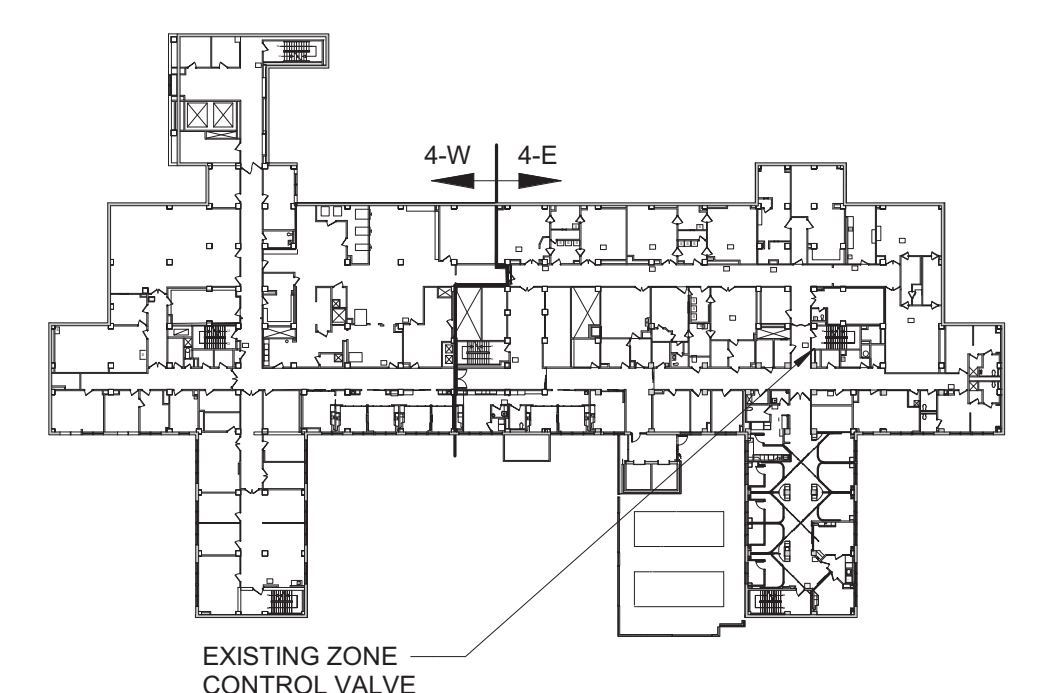
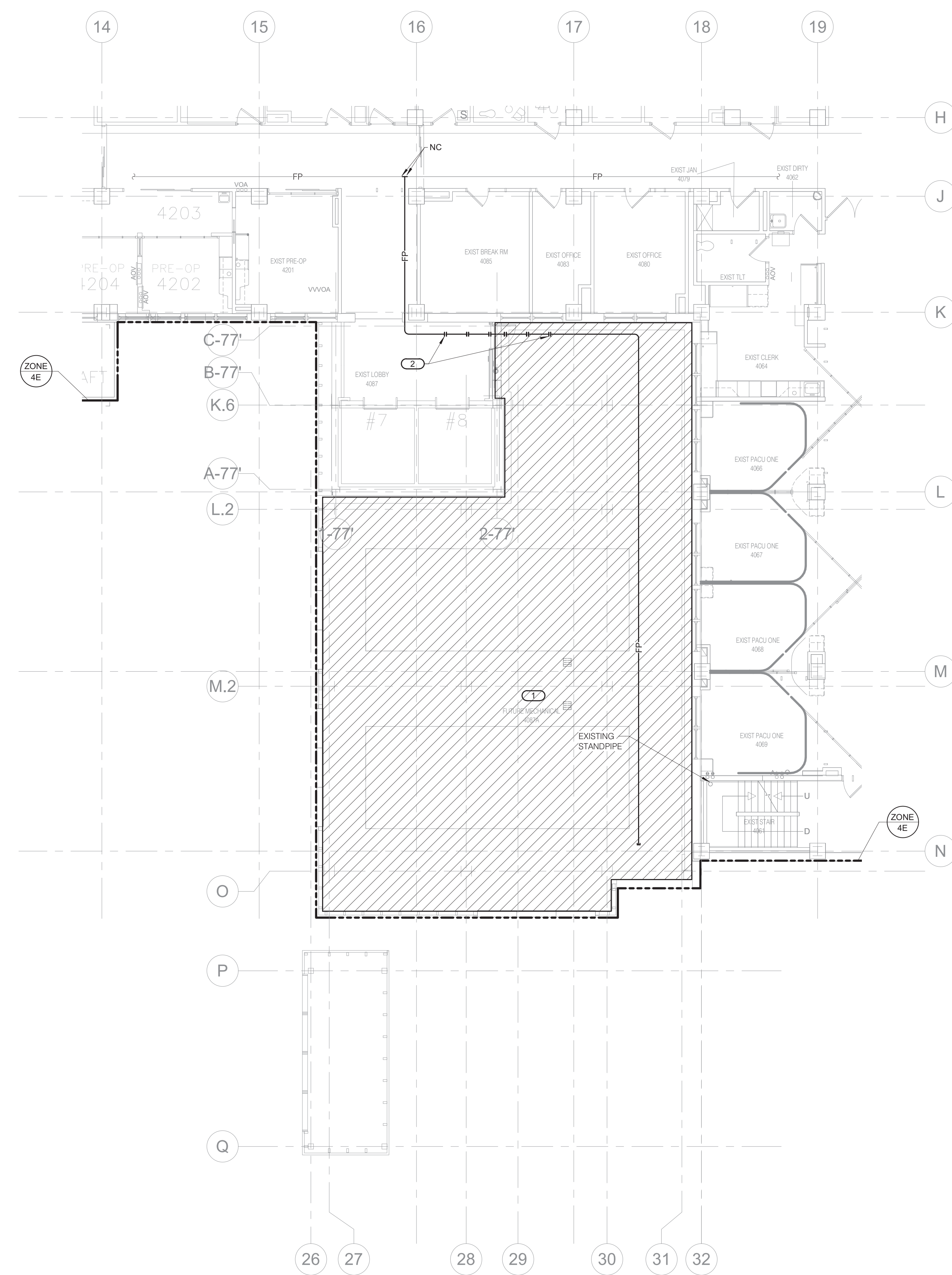
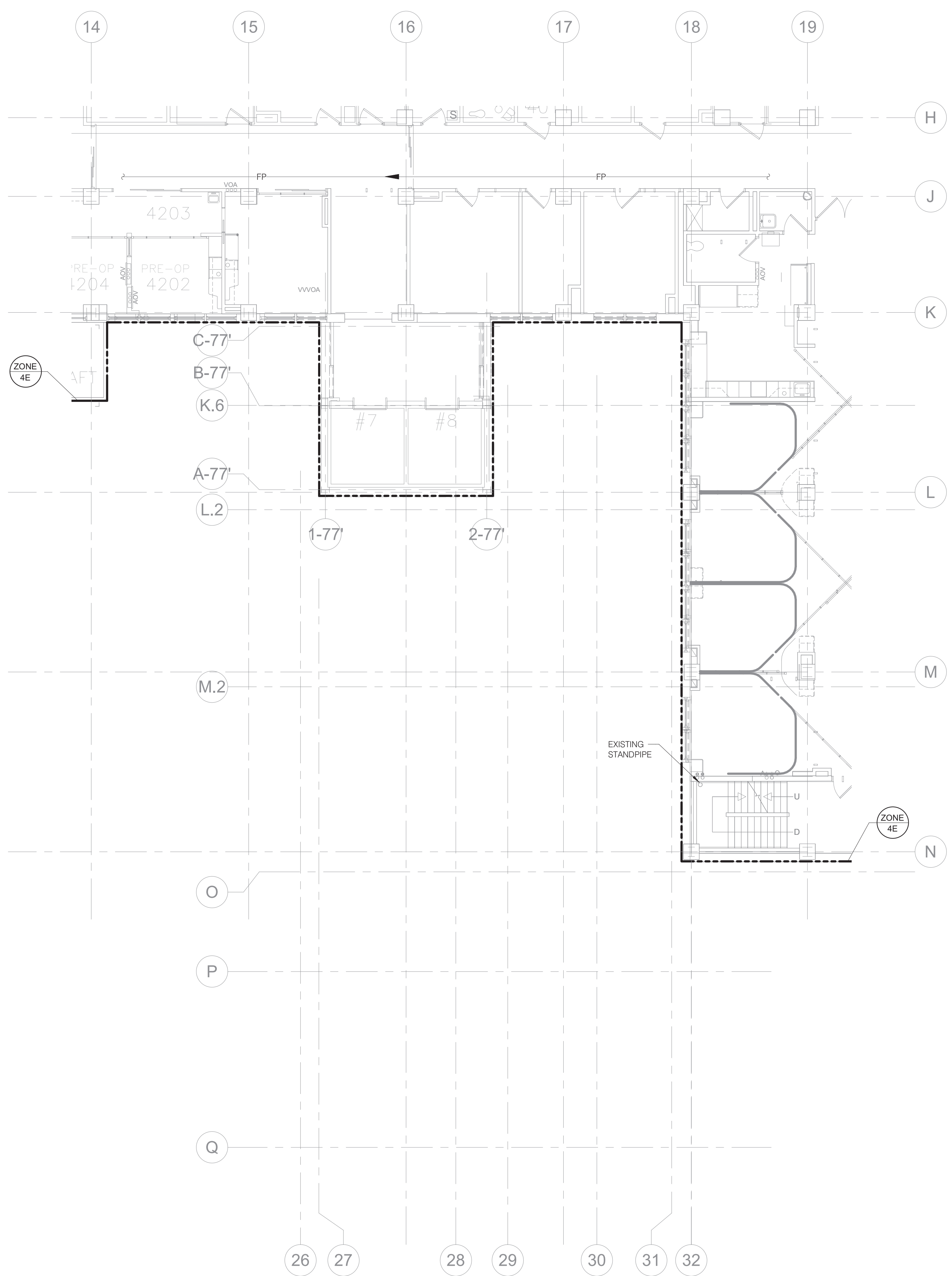
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REFERENCE SCALE IN INCHES
1" = 1'-0"

<p>CONSULTANT</p>	<p>ARCHITECT/ENGINEER OF RECORD</p> <p>ANDERSON</p> <p>13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 15744</p>	<p>STAMP</p>	<p>Office of Construction and Facilities Management</p> <p>VA U.S. Department of Veterans Affairs</p>	<p>Drawing Title</p> <p>THIRD LEVEL FLOOR PLAN - FIRE PROTECTION</p> <p>Approved:</p>	<p>Phase</p> <p>100% CONSTRUCTION DOCUMENTS</p> <p>FULLY SPRINKLERED</p>	<p>Project Title</p> <p>NWIHCS - CONSTRUCT AIR HANDLING TOWER</p> <p>Location OMAHA, NE</p> <p>Issue Date 05/28/21</p> <p>Checked RAYBRA</p> <p>Drawn DELLE</p>	<p>Project Number</p> <p>636-18-303</p> <p>Building Number</p> <p>1</p> <p>Drawing Number</p> <p>F103</p>
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- GENERAL FIRE PROTECTION NOTES:**
- REFER TO F000 FOR FIRE PROTECTION GENERAL NOTES, SYMBOLS, ABBREVIATIONS, AND FIRE SPRINKLER USAGE SCHEDULE.
 - REFER TO 1/F000 FOR RATED FIRE BARRIER PENETRATIONS. REFER TO ARCHITECTURAL PLANS FOR FIRE BARRIER LOCATIONS.
 - REFER TO 2/F000 FOR PIPE THROUGH NON-RATED WALL DETAIL.
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- KEYNOTES:**
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 - PROVIDE PIPE EXPANSION COUPLING ASSEMBLIES SIMILAR TO VICTALIC STYLE 155 EXPANSION JOINT ON BOTH SIDES OF BUILDING DIVISION WALL. EXPANSION JOINT SHALL BE CAPABLE OF A MINIMUM COMBINED LINEAR MOVEMENT OF 8.00 INCHES.



1 FOURTH LEVEL FLOOR DEMOLITION - FIRE PROTECTION
1/8" = 1'-0"

2 FOURTH LEVEL FLOOR PLAN - FIRE PROTECTION
1/8" = 1'-0"

KEY PLAN

IMEG
2882 10TH STREET
DES MOINES, IA 50319
515.254.8900 FAX: 515.254.9998
www.imegcorp.com
PROJECT # 19004249.01

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REFERENCE SCALE IN INCHES
1" = 1'-0"

CONSULTANT

IMEG

ARCHITECT/ENGINEER OF RECORD

ANDERSON

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Anderson Engineering of Minnesota, LLC | Proj # 15744

STAMP

ERIC J. ANDERSON
IOWA REGISTERED PROFESSIONAL ENGINEER
20825
05/26/21

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
FOURTH LEVEL FLOOR PLAN - FIRE PROTECTION

Approved:

Phase
100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
NWIHCS - CONSTRUCT AIR HANDLING TOWER

Location
OMAHA, NE

Issue Date
05/28/21

Checked
RAYBRA

Drawn
DELLE

BID SET

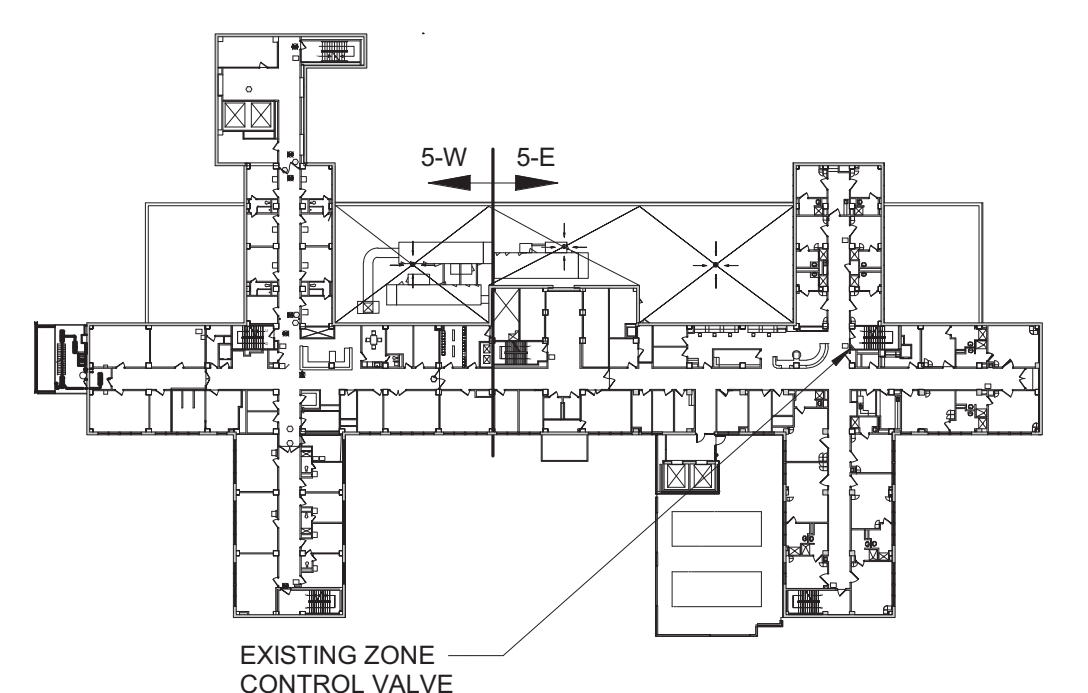
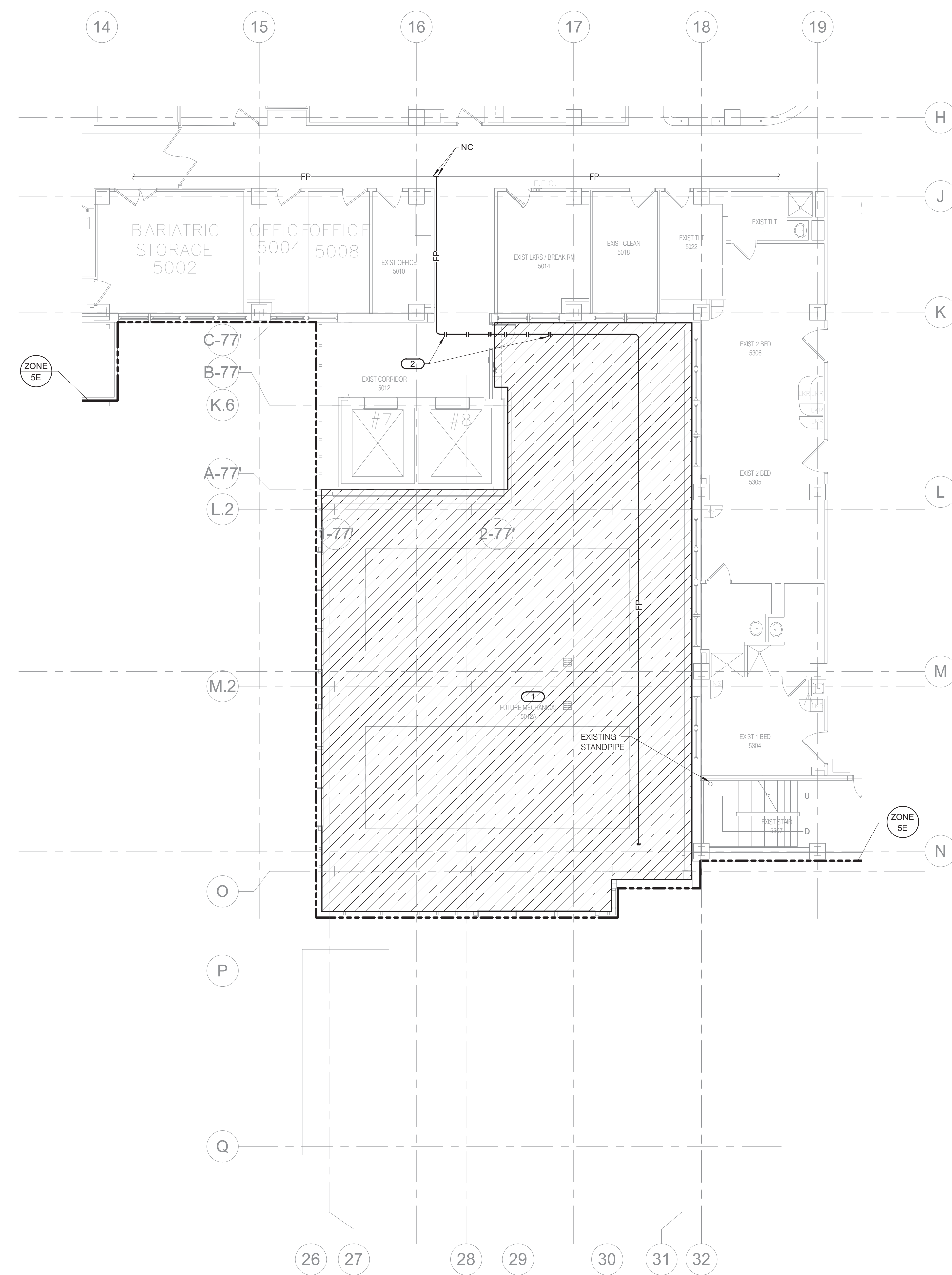
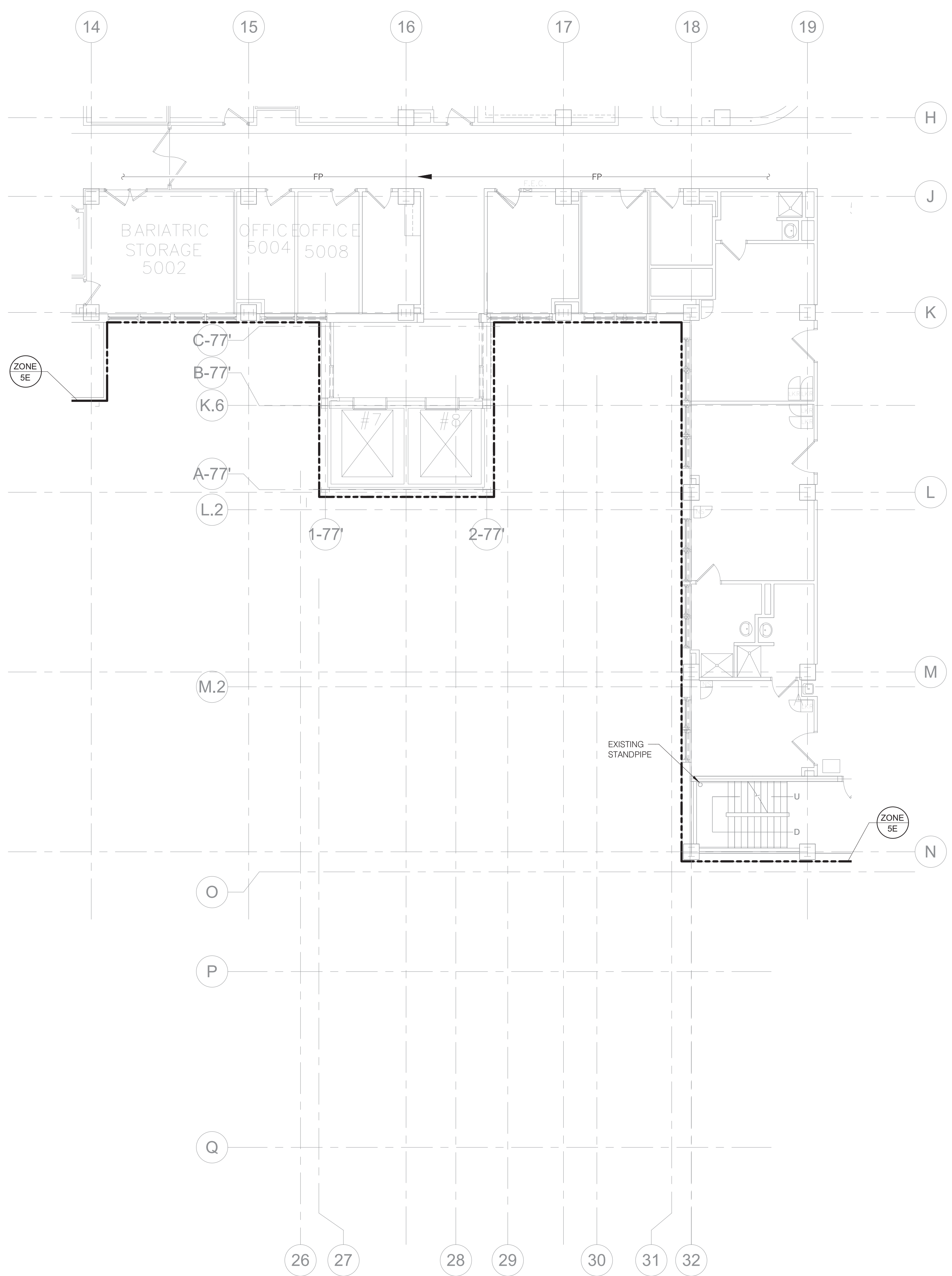
Project Number
636-18-303

Building Number
1

Drawing Number
F104

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1 FIFTH LEVEL FLOOR DEMOLITION - FIRE PROTECTION
1/8" = 1'-0"

2 FIFTH LEVEL FLOOR PLAN - FIRE PROTECTION
1/8" = 1'-0"

KEY PLAN

IMEG
2802 10TH STREET
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PROJECT # 19004249.01

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REFERENCE SCALE IN INCHES

Revisions:	Date:

CONSULTANT

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ARCHITECT/ENGINEER OF RECORD

ANDERSON

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Anderson Engineering of Minnesota, LLC | Proj # 15744

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
FIFTH LEVEL FLOOR PLAN - FIRE PROTECTION

Approved:

Phase
100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
NWIHCS - CONSTRUCT AIR HANDLING TOWER

Location
OMAHA, NE

Issue Date
05/28/21

Checked
RAYBRA

Drawn
DELLE

Project Number
636-18-303

Building Number
1

Drawing Number
F105

BID SET

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ALT DEDUCT #1:

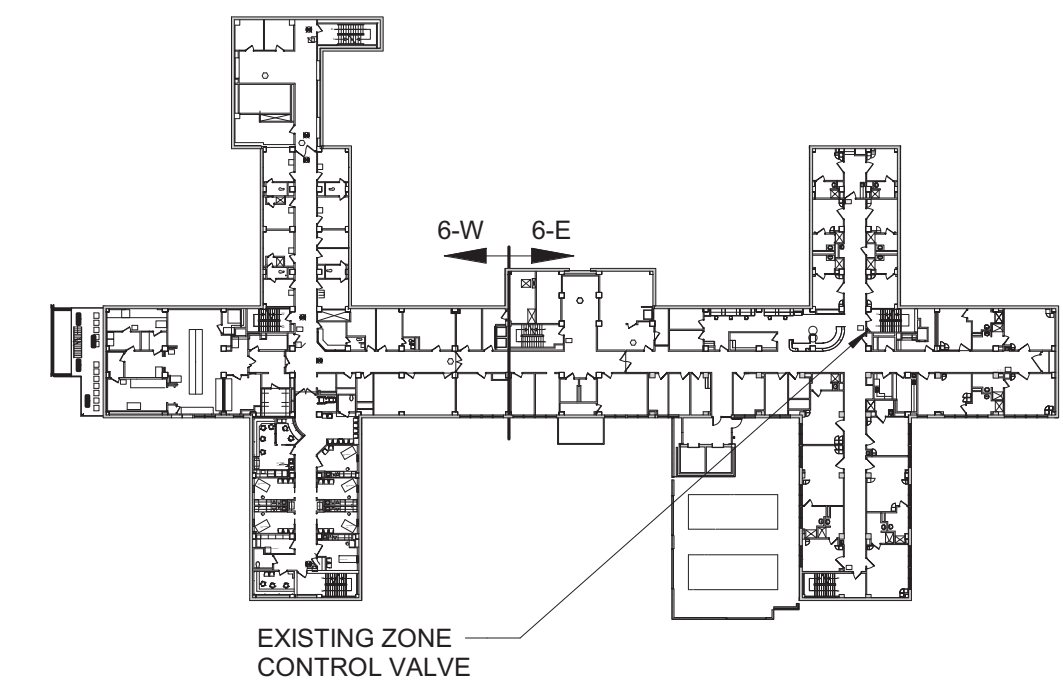
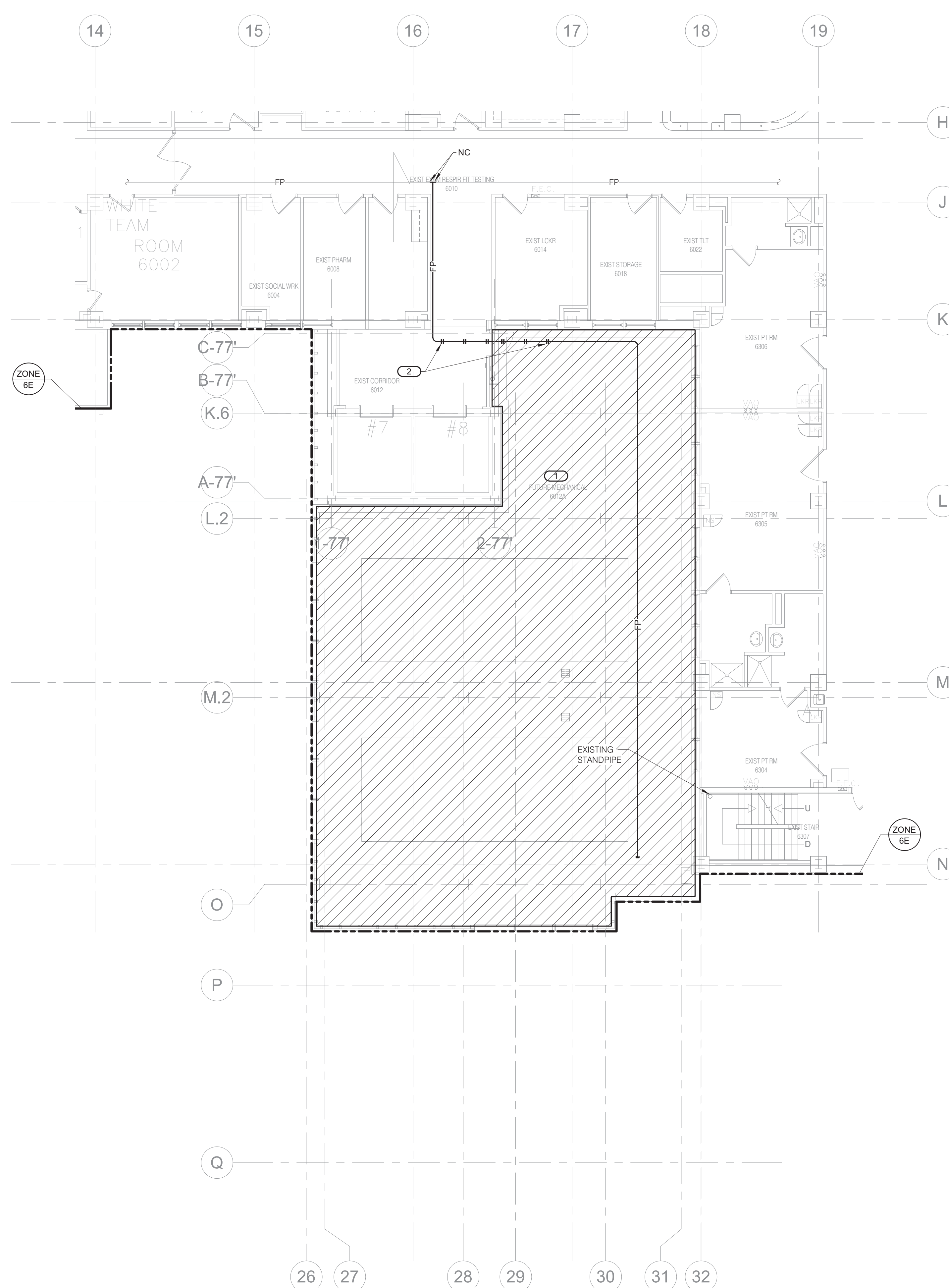
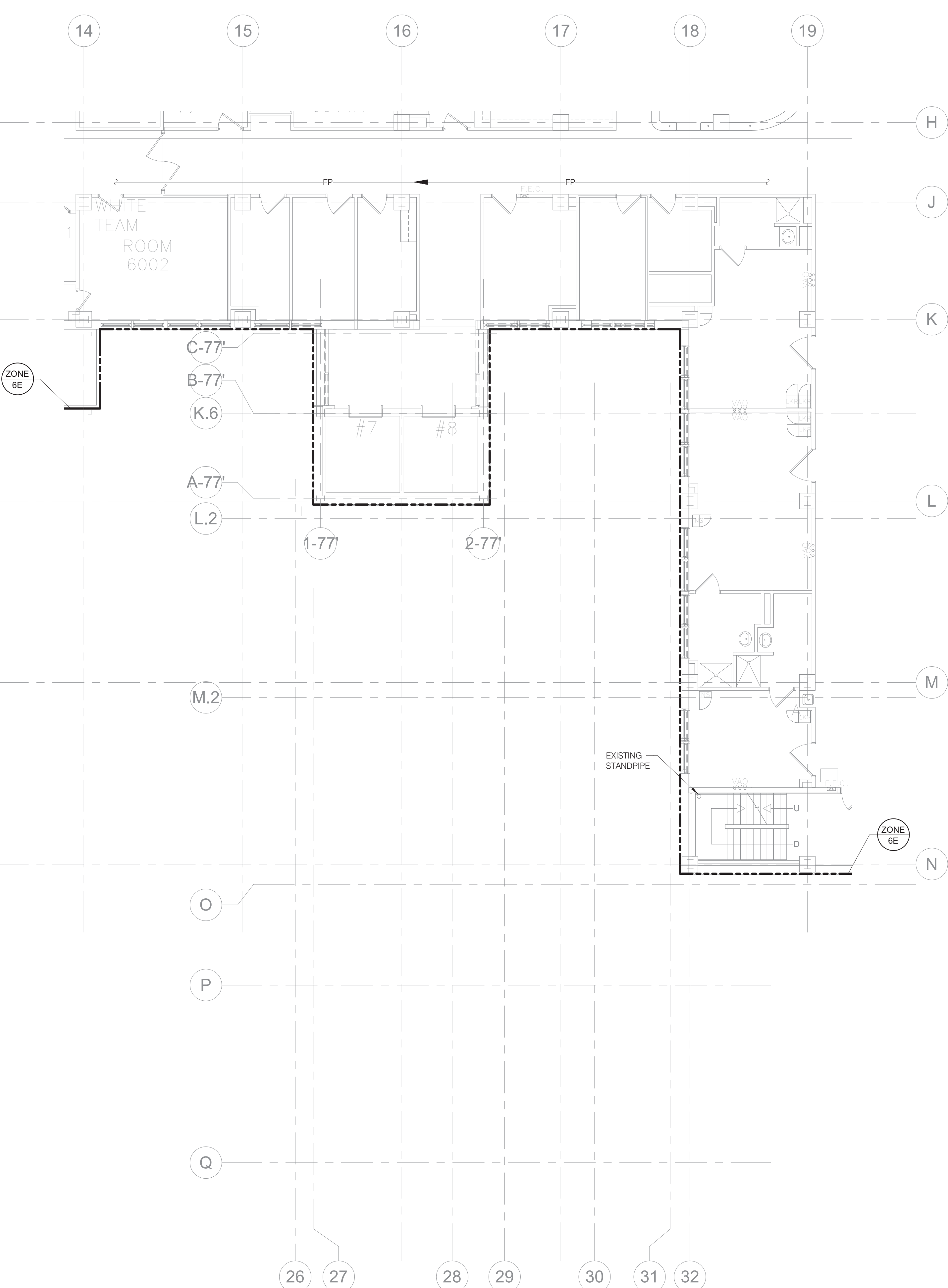
OMIT CONSTRUCTION OF THE SEVENTH FLOOR, ROOF LEVEL AT SEVENTH FLOOR. REFER TO F108 FOR THE REVISED SCOPE OF WORK APPLICABLE TO THE SEVENTH FLOOR LEVEL. NO PROJECT SCOPE OF WORK REQUIRED ON THE EIGHTH FLOOR.

ALT DEDUCT #2:

OMIT CONSTRUCTION OF THE SIXTH AND SEVENTH FLOORS; ROOF LEVEL AT SIXTH FLOOR. REFER TO F108 FOR THE REVISED SCOPE OF WORK APPLICABLE TO THE SIXTH FLOOR LEVEL. NO PROJECT SCOPE OF WORK REQUIRED ON THE SEVENTH OR EIGHTH FLOORS.

ALT DEDUCT #3:

OMIT CONSTRUCTION OF THE FIFTH, SIXTH, AND SEVENTH FLOORS; ROOF LEVEL AT FIFTH FLOOR. REFER TO F108 FOR THE REVISED SCOPE OF WORK APPLICABLE TO THE FIFTH FLOOR LEVEL. NO PROJECT SCOPE OF WORK REQUIRED ON THE SIXTH, SEVENTH, OR EIGHTH FLOORS.



1 SIXTH LEVEL FLOOR DEMOLITION - FIRE PROTECTION
1/8" = 1'-0"

2 SIXTH LEVEL FLOOR PLAN - FIRE PROTECTION
1/8" = 1'-0"

KEY PLAN

IMEG
2882 10TH STREET
DES MONIES, IA 50522
515.234.8988 FAX: 515.234.9988
www.imegcorp.com
PROJECT # 19004249.01

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REFERENCE SCALE IN INCHES
1" = 1'-0"

CONSULTANT

IMEG

ARCHITECT/ENGINEER OF RECORD

ANDERSON

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P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 15744

STAMP

ERIC J. ANDERSON
REGISTERED PROFESSIONAL ENGINEER
IOWA
20825
05/26/21

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
SIXTH LEVEL FLOOR PLAN - FIRE PROTECTION

Approved:

Phase
100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
NWIHCS - CONSTRUCT AIR HANDLING TOWER

Location
OMAHA, NE

Issue Date
05/28/21

Checked
RAYBRA

Drawn
DELLE

BID SET

Project Number
636-18-303

Building Number
1

Drawing Number
F106

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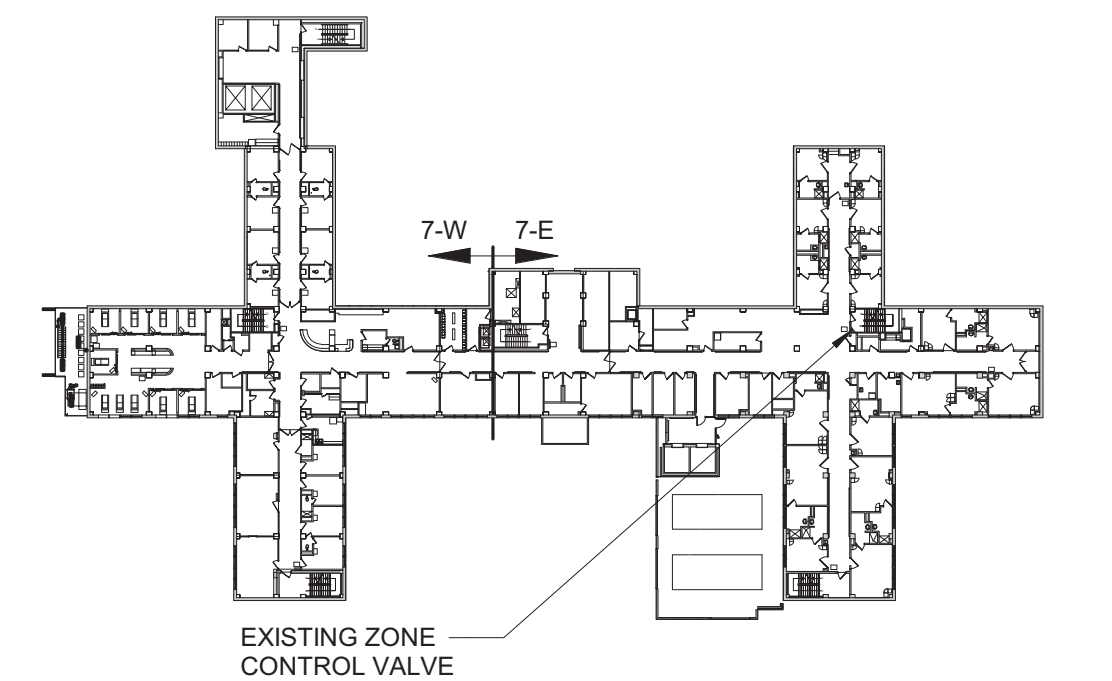
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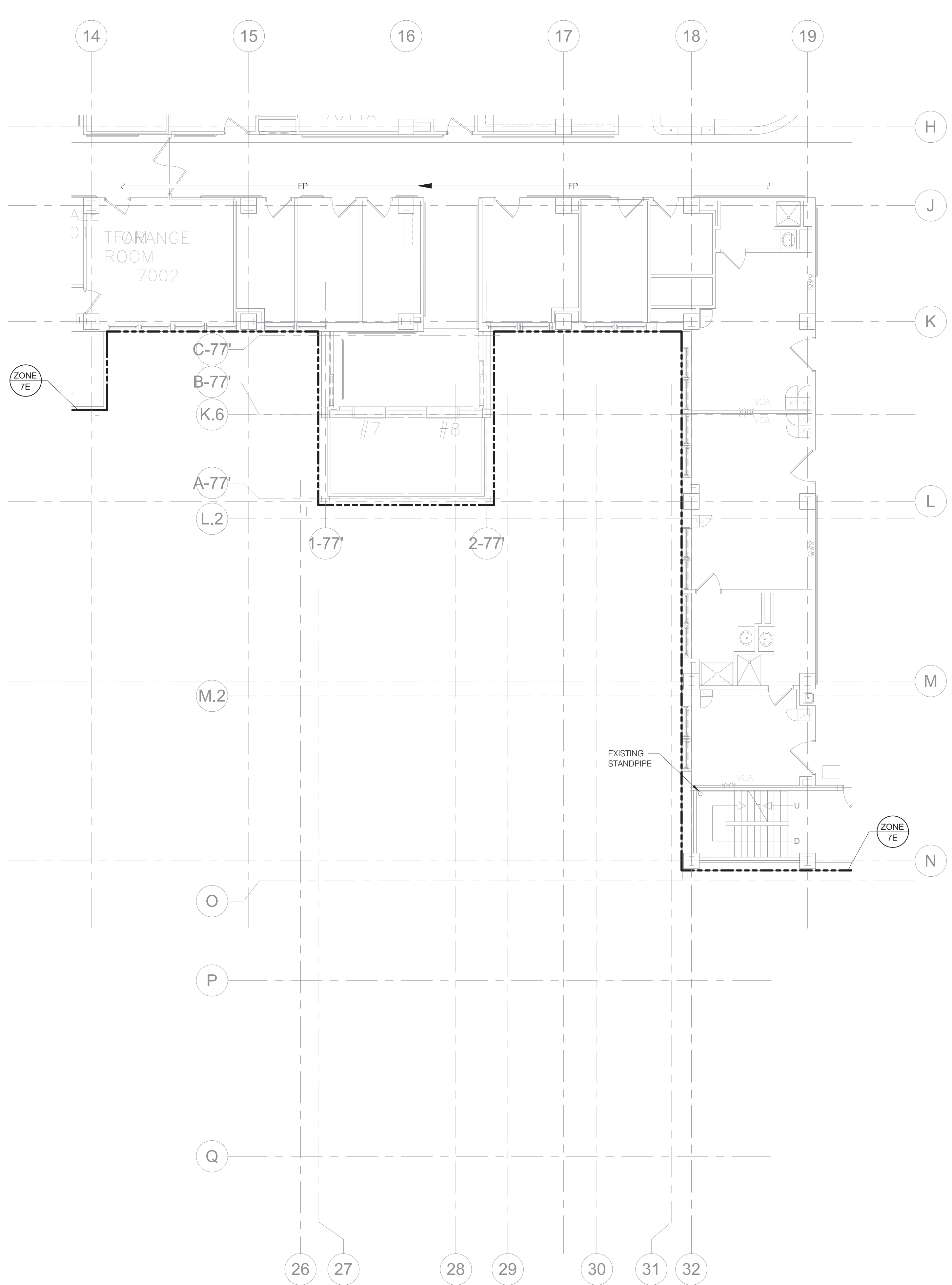
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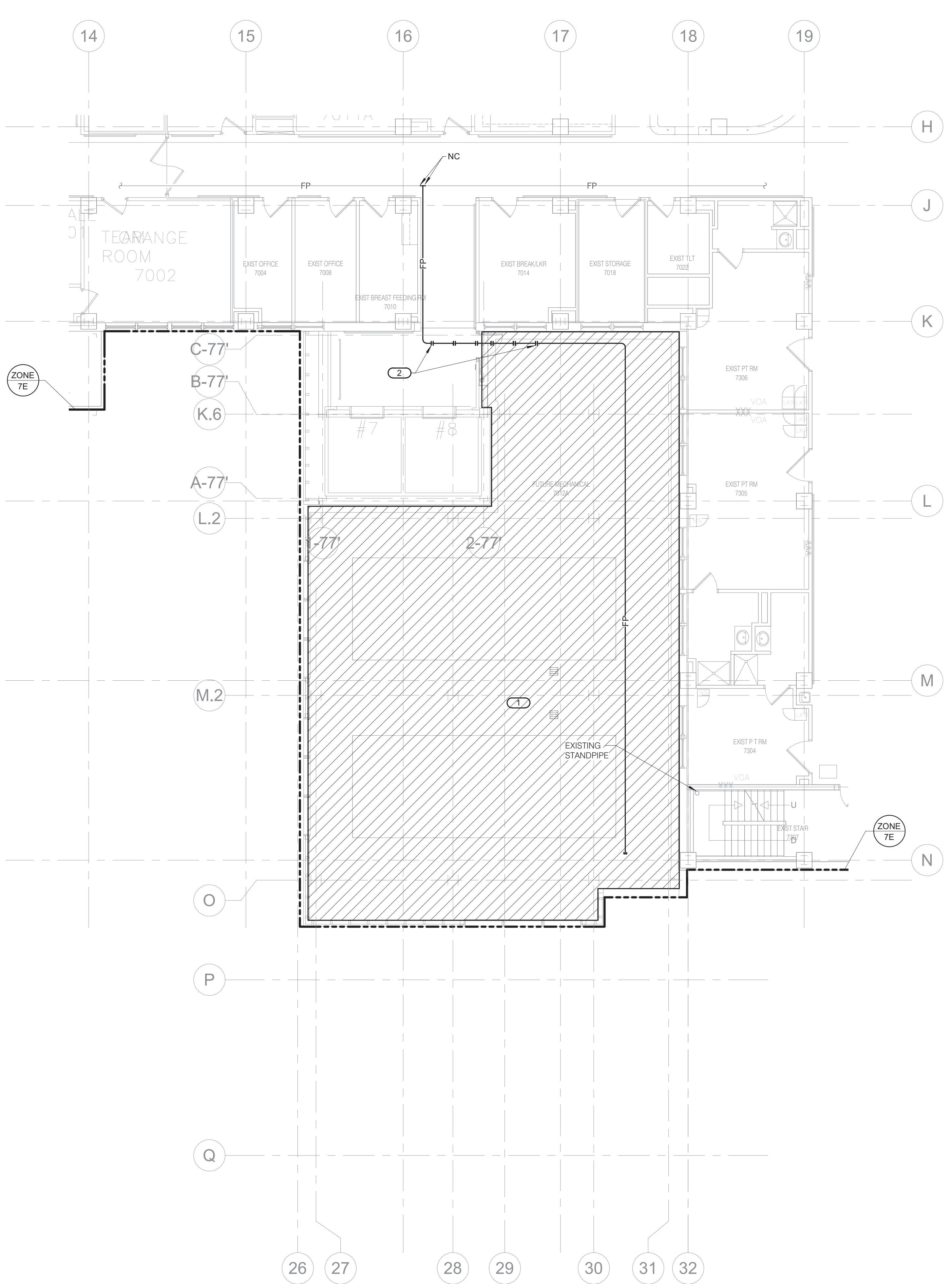


KEY PLAN

BID SET



1 SEVENTH LEVEL FLOOR DEMOLITION - FIRE PROTECTION
1/8" = 1'-0"



2 SEVENTH LEVEL FLOOR PLAN - FIRE PROTECTION
1/8" = 1'-0"

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Revisions:	Date:

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REGISTERED PROFESSIONAL ENGINEER
IOWA
05/26/21

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
SEVENTH LEVEL FLOOR PLAN - FIRE PROTECTION

Approved:

Phase
100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
NWIHCS - CONSTRUCT AIR HANDLING TOWER

Location
OMAHA, NE

Issue Date
05/28/21

Checked
RAYBRA

Drawn
DELLE

Project Number
636-18-303

Building Number
1

Drawing Number
F107

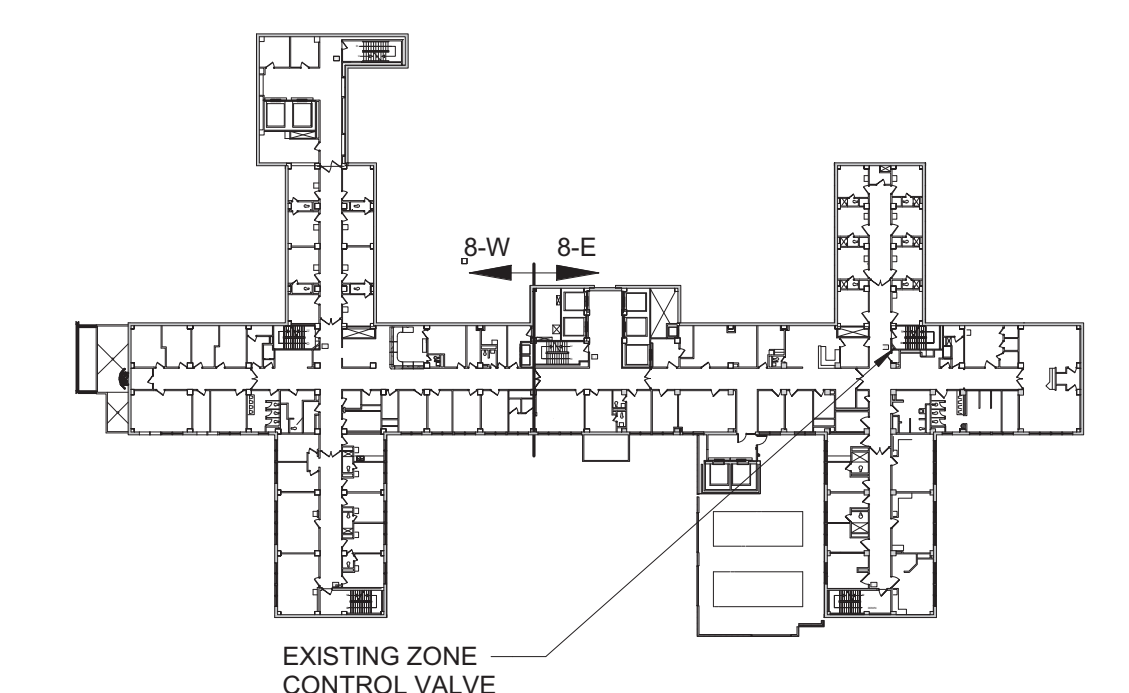
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 - DRAWINGS SHOWING LOCATIONS OF EQUIPMENT, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF PIPING, EQUIPMENT, ETC., AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHER TRADES WILL PERMIT.
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 - COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE AND TO VERIFY NON-INTERFERENCE WITH OTHER WORK. DO NOT FABRICATE PRIOR TO VERIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH FABRICATION OR EQUIPMENT ORDERS.
 - CENTER SPRINKLERS IN CEILING TILES IN BOTH DIRECTIONS IN ALL AREAS. IN AREAS WITH 2'x4' CEILING TILES, CENTERING USING A 2'x2' CEILING PATTERN IS ACCEPTABLE.
 - PROVIDE SPRINKLER COVERAGE ABOVE AND BELOW ALL DUCTWORK GREATER THAN 48" WIDE.

ALT DUCTWORK #1:
OMIT CONSTRUCTION OF THE SEVENTH FLOOR, ROOF LEVEL AT SEVENTH FLOOR. THE SCOPE OF WORK CAPTURED IN THIS PLAN VIEW SHOULD BE APPLIED TO THE SEVENTH FLOOR LEVEL. NO PROJECT SCOPE OF WORK REQUIRED ON THE EIGHTH FLOOR.

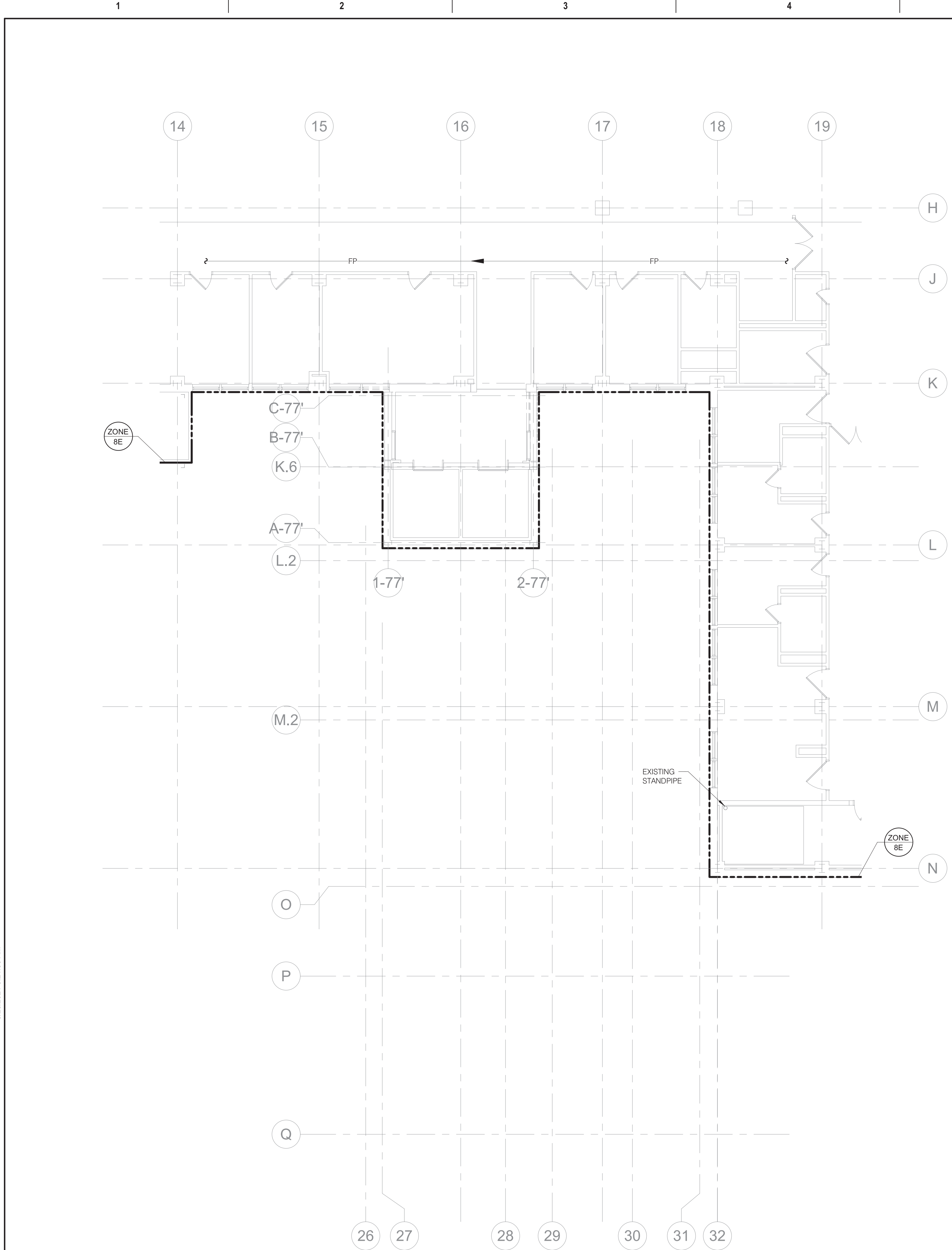
ALT DUCTWORK #2:
OMIT CONSTRUCTION OF THE SIXTH AND SEVENTH FLOORS, ROOF LEVEL AT SIXTH FLOOR. THE SCOPE OF WORK CAPTURED IN THIS PLAN VIEW SHOULD BE APPLIED TO THE SIXTH FLOOR LEVEL. NO PROJECT SCOPE OF WORK REQUIRED ON THE SEVENTH OR EIGHTH FLOORS.

ALT DUCTWORK #3:
OMIT CONSTRUCTION OF THE FIFTH, SIXTH, AND SEVENTH FLOORS, ROOF LEVEL AT FIFTH FLOOR. THE SCOPE OF WORK CAPTURED IN THIS PLAN VIEW SHOULD BE APPLIED TO THE FIFTH FLOOR LEVEL. NO PROJECT SCOPE OF WORK REQUIRED ON THE SIXTH, SEVENTH, OR EIGHTH FLOORS.

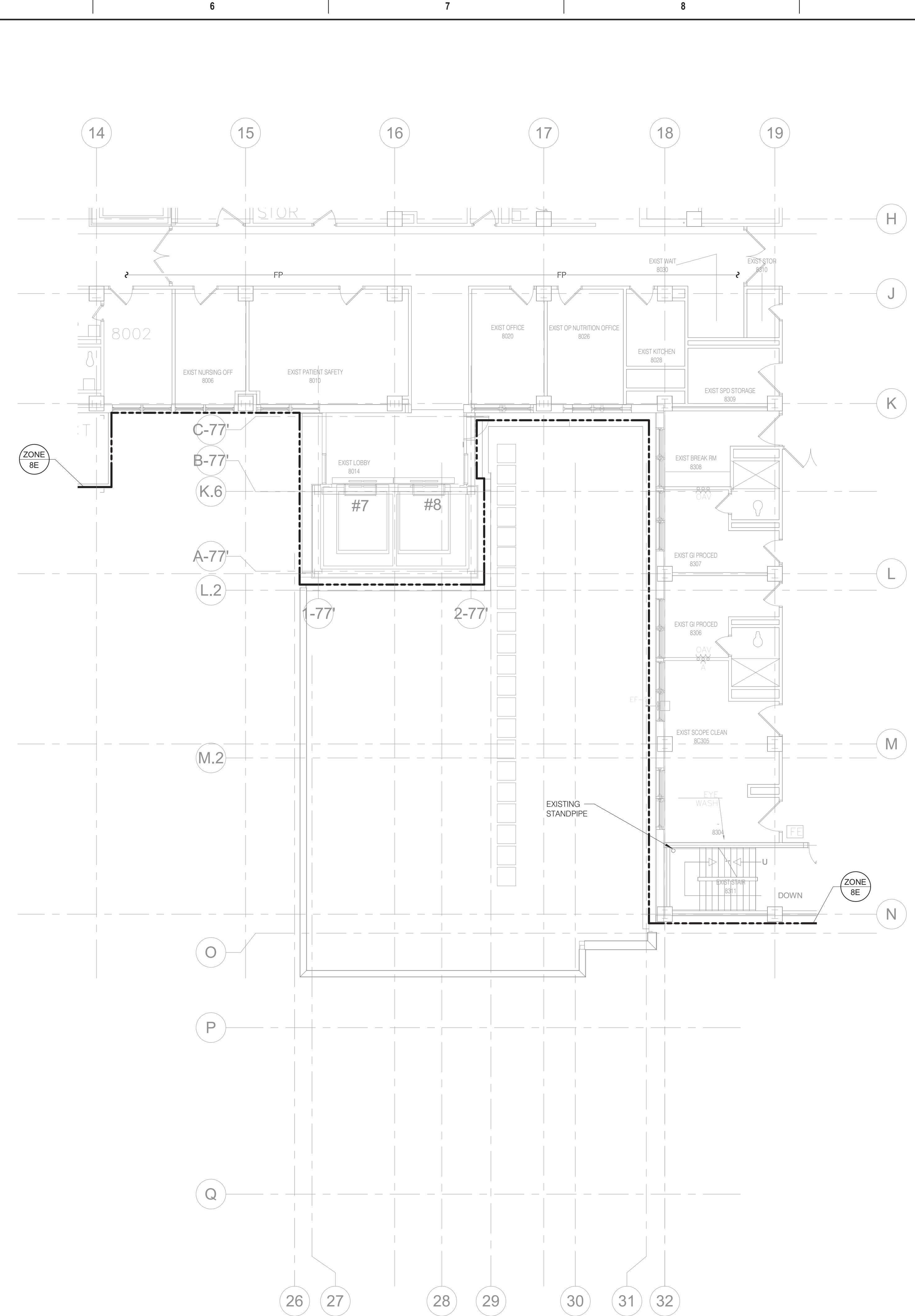


KEY PLAN

BID SET



2 EIGHTH LEVEL FLOOR DEMOLITION - FIRE PROTECTION
1/8" = 1'-0"



1 EIGHTH LEVEL FLOOR PLAN - FIRE PROTECTION
1/8" = 1'-0"

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PROJECT # 19004249.01

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REFERENCE SCALE IN INCHES
1" = 1'-0"

CONSULTANT

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ARCHITECT/ENGINEER OF RECORD

ANDERSON

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Anderson Engineering of Minnesota, LLC | Proj # 15744

STAMP

ERIC J. ANDERSON
IOWA PROFESSIONAL ENGINEER
20825
05/26/21

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
EIGHTH LEVEL FLOOR PLAN - FIRE PROTECTION

Approved:

Phase
100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
NWIHCS - CONSTRUCT AIR HANDLING TOWER

Location
OMAHA, NE

Issue Date
05/28/21

Checked
RAYBRA

Drawn
DELLE

Project Number
636-18-303

Building Number
1

Drawing Number
F108

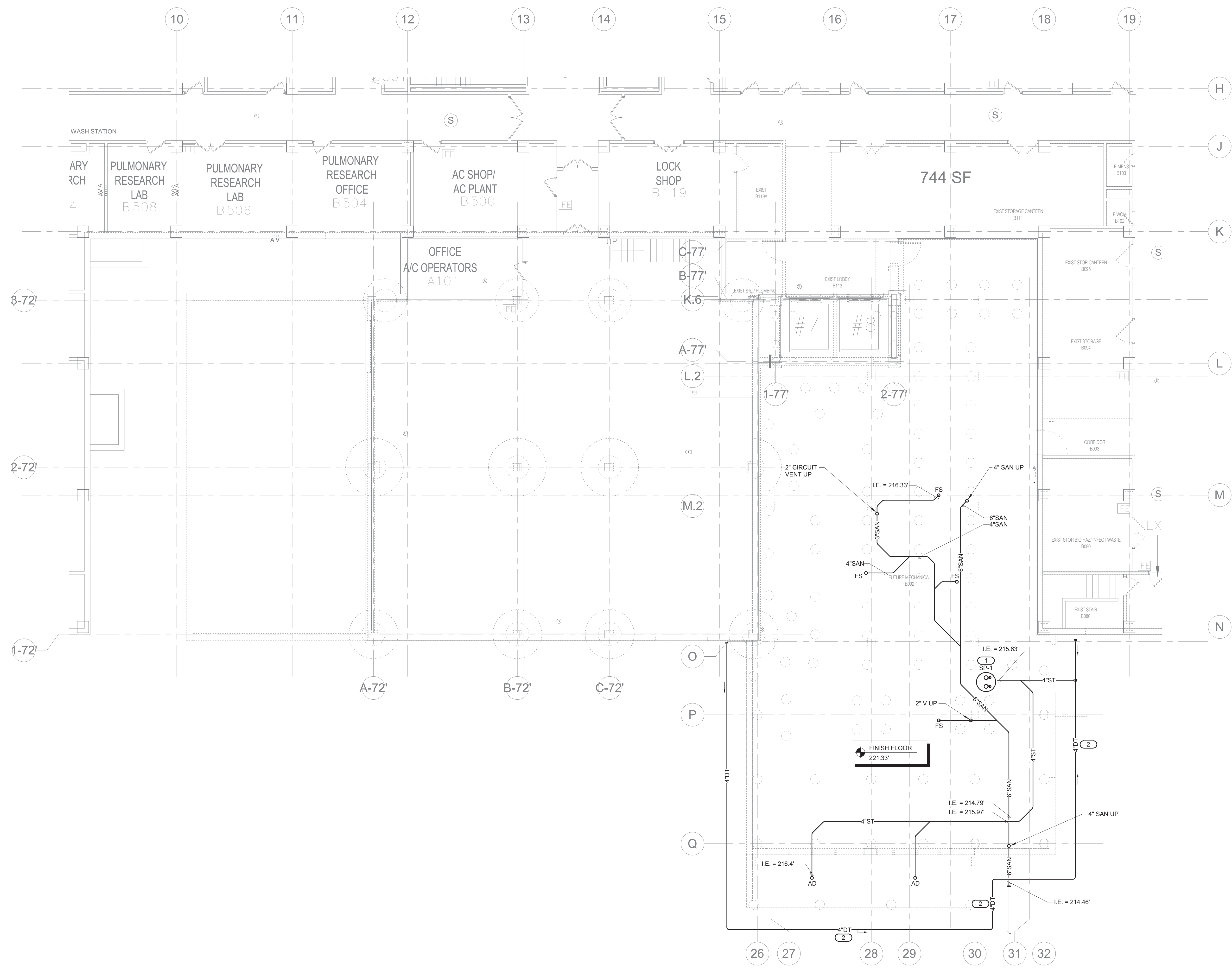
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GENERAL FIRE PROTECTION NOTES:

- REFER TO P000 PLUMBING COVERSHEET FOR PLUMBING GENERAL NOTES, SYMBOLS, ABBREVIATIONS, PLUMBING ROUGH-IN SCHEDULE, AND PLUMBING MATERIAL LIST.
- COORDINATE ALL UTILITY INVERT ELEVATIONS WITH CIVIL CONTRACTOR PRIOR TO FABRICATION.
- REFER TO STRUCTURAL FOUNDATION PLANS AND COORDINATE UNDERGROUND PLUMBING WORK WITH 4" THICK MAT SLAB AND PIERS WITH G.C. PRIOR TO CONCRETE BEING POURED. COORDINATE INSPECTION OF UNDERGROUND PLUMBING WORK WITH AUTHORITY HAVING JURISDICTION WELL IN ADVANCE OF MAT SLAB BEING POURED TO AVOID LATER CUTTING AND PATCHING OF CONCRETE.

KEYNOTES: (C) (D)

- REFER 1/P300 FOR SUMP PUMP DETAIL.
- REFER TO 2/P300 FOR DRAIN TILE DETAIL.



1 UNDERFLOOR PLAN - PLUMBING
1/8" = 1'-0"

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REFERENCE SCALE IN INCHES
1" = 1'-0"

Revisions:	Date:

CONSULTANT

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ARCHITECT/ENGINEER OF RECORD

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Anderson Engineering of Minnesota, LLC | Proj # 15744

STAMP

ERIC J. ANDERSON
IOWA PROFESSIONAL ENGINEER
20875
05/28/21

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
BASEMENT UNDERFLOOR PLAN - PLUMBING

Approved: _____

Phase
100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
NWIHCS - CONSTRUCT AIR HANDLING TOWER

Location
OMAHA, NE

Issue Date
05/28/21

Checked
RYALEP

Drawn
DELLE

Project Number
636-18-303

Building Number
1

Drawing Number
P10U

BID SET

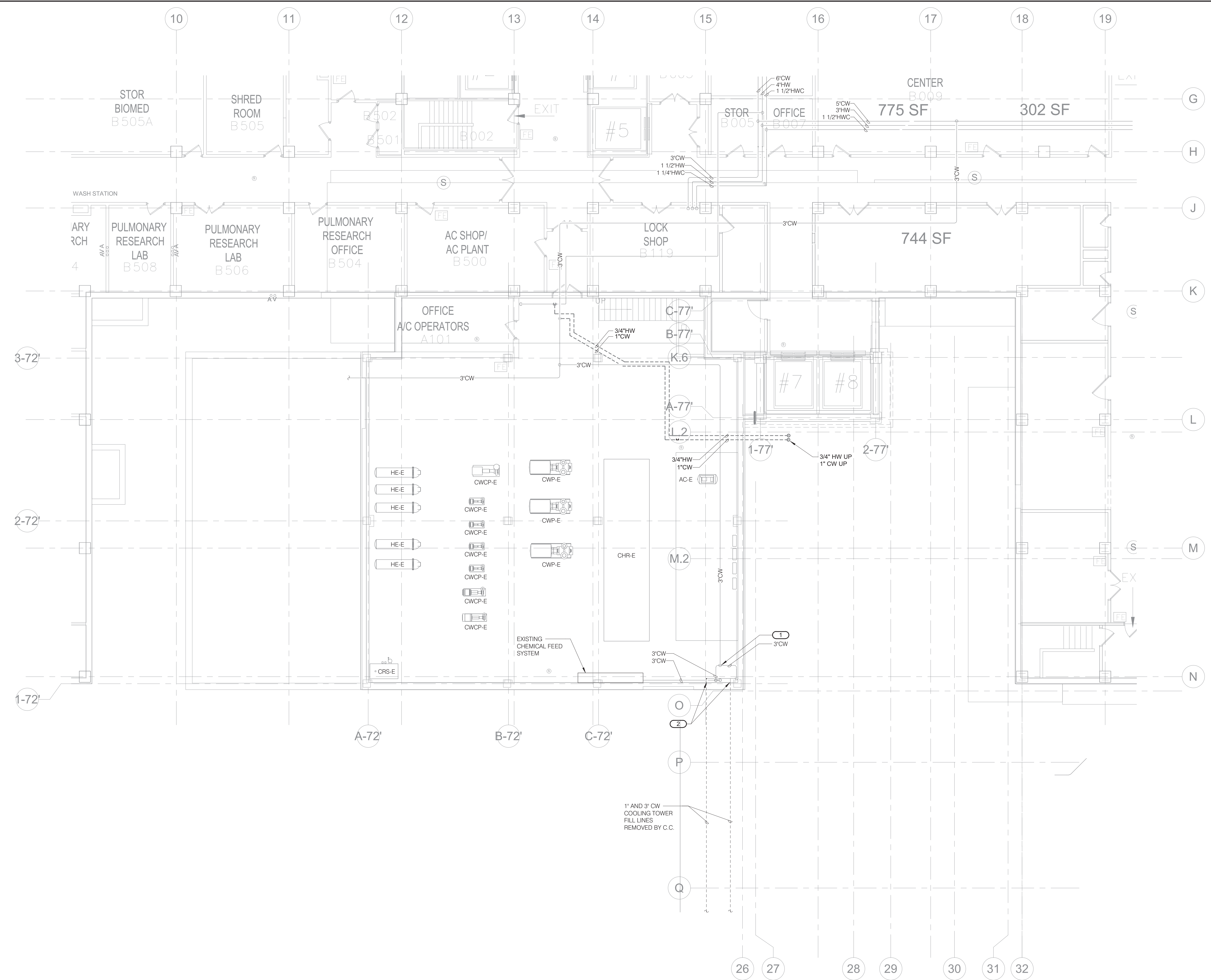
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GENERAL FIRE PROTECTION NOTES:

- REFER TO P000 PLUMBING COVERSHEET FOR PLUMBING GENERAL NOTES, SYMBOLS, ABBREVIATIONS, PLUMBING ROUGH-IN SCHEDULE, AND PLUMBING MATERIAL LIST.
- COORDINATE ANY SYSTEM SHUTDOWNS WITH C.O.R. SCHEDULE WORK TO MINIMIZE SYSTEM DOWNTIME AS MUCH AS POSSIBLE.

KEYNOTES: (E)

- DISCONNECT COLD WATER FROM CONDENSER WATER MAKEUP CONNECTION AND PREPARE TO RECONFIGURE FOR RELOCATED PIPING. REFER TO M100 FOR CONDENSER WATER PIPING SCOPE BY M.C. COORDINATE THIS WORK WITH M.C.
- DISCONNECT COLD WATER FROM COOLING TOWER FILL LINES REMOVED BY C.C. AND CAP. PREPARE FOR EXTENSION AND RECONNECTION TO RELOCATED FILL LINES. REFER TO P100 FOR NEW WORK.



1 BASEMENT DEMOLITION - PLUMBING
1/8" = 1'-0"

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PROJECT # 1504249.01

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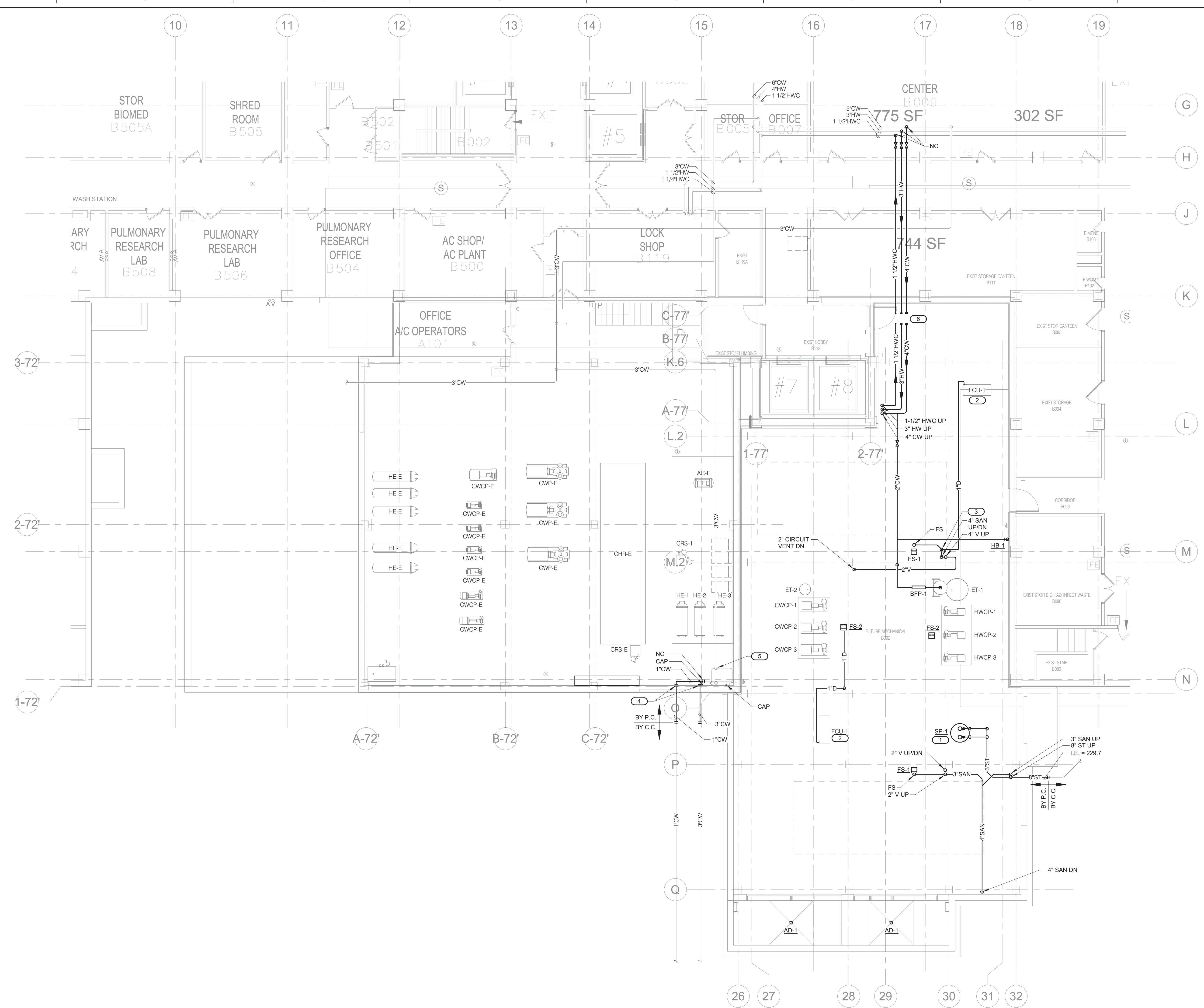
REFERENCE SCALE IN INCHES
1" = 1'-0"

Revisions:	Date:

CONSULTANT 	ARCHITECT/ENGINEER OF RECORD 13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 15744	STAMP 	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title BASEMENT DEMOLITION PLAN - PLUMBING	Phase 100% CONSTRUCTION DOCUMENTS	Project Title NWIHCS - CONSTRUCT AIR HANDLING TOWER	Project Number 636-18-303
				Approved:	FULLY SPRINKLERED	Location OMAHA, NE	Building Number 1
				Issue Date 05/28/21	Checked RYALEP	Drawn DELLE	Drawing Number PD100

BID SET

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- GENERAL FIRE PROTECTION NOTES:**
- REFER TO P000 PLUMBING COVERSHEET FOR PLUMBING GENERAL NOTES, SYMBOLS, ABBREVIATIONS, PLUMBING ROUGH-IN SCHEDULE, AND PLUMBING MATERIAL LIST.
 - COORDINATE ANY SYSTEM SHUTDOWNS WITH C.O.R. SCHEDULE WORK TO MINIMIZE SYSTEM DOWNTIME AS MUCH AS POSSIBLE.
 - COORDINATE ALL UTILITY INVERT ELEVATIONS WITH CIVIL CONTRACTOR PRIOR TO FABRICATION.
 - REFER TO 6/P300 FOR SEISMIC RISER PIPING SUPPORT DETAIL.
 - REFER TO 6/P300 FOR SEISMIC BRACING OF SUSPENDED PIPING DETAIL.
- KEYNOTES:**
- REFER 1/P300 FOR SUMP PUMP DETAIL.
 - PROVIDE CONDENSATE DRAIN FOR EACH FAN COIL UNIT SIZED SAME AS FAN COIL UNIT DRAIN CONNECTION OR 3/4\"/>

1 BASEMENT LEVEL FLOOR - PLUMBING
1/8" = 1'-0"

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PROJECT # 19004249.01

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STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
BASEMENT FLOOR PLAN - PLUMBING

Approved:

Phase
100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
NWIHCS - CONSTRUCT AIR HANDLING TOWER

Location
OMAHA, NE

Issue Date
05/28/21

Checked
RYALEP

Drawn
DELLE

Project Number
636-18-303

Building Number
1

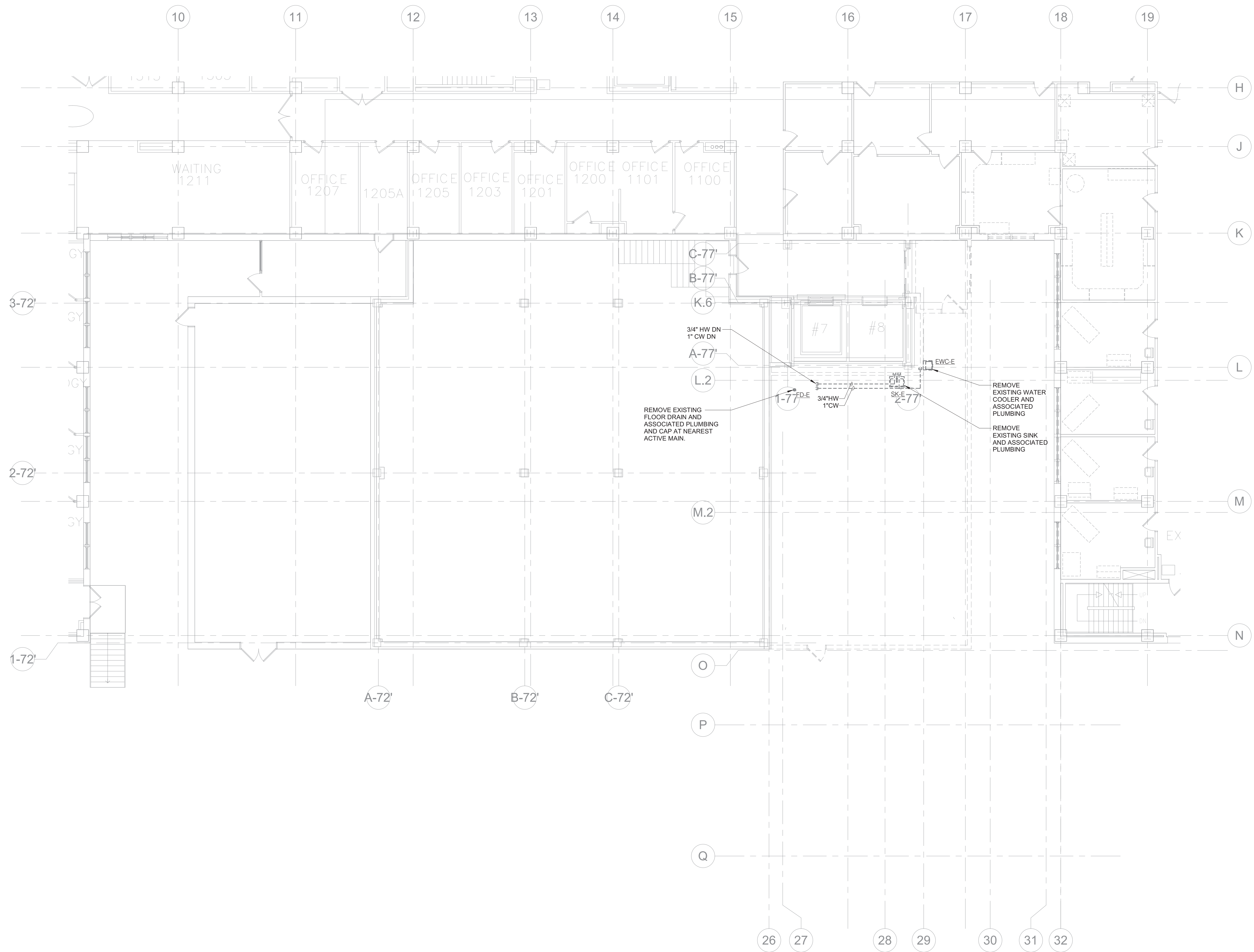
Drawing Number
P100

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GENERAL FIRE PROTECTION NOTES:

1. REFER TO P000 PLUMBING COVERSHEET FOR PLUMBING GENERAL NOTES, SYMBOLS, ABBREVIATIONS, PLUMBING ROUGH-IN SCHEDULE, AND PLUMBING MATERIAL LIST.
2. COORDINATE ANY SYSTEM SHUTDOWNS WITH C.O.R. SCHEDULE WORK TO MINIMIZE SYSTEM DOWNTIME AS MUCH AS POSSIBLE.



1 FIRST LEVEL FLOOR DEMOLITION - PLUMBING
1/8" = 1'-0"

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ERIC J. ANDERSON
REGISTERED PROFESSIONAL ENGINEER
IOWA
05/28/21

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
FIRST LEVEL DEMOLITION PLAN - PLUMBING

Approved: _____

Phase
100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
NWIHCS - CONSTRUCT AIR HANDLING TOWER

Location
OMAHA, NE

Issue Date
05/28/21

Checked
RYALEP

Drawn
DELLE

Project Number
636-18-303

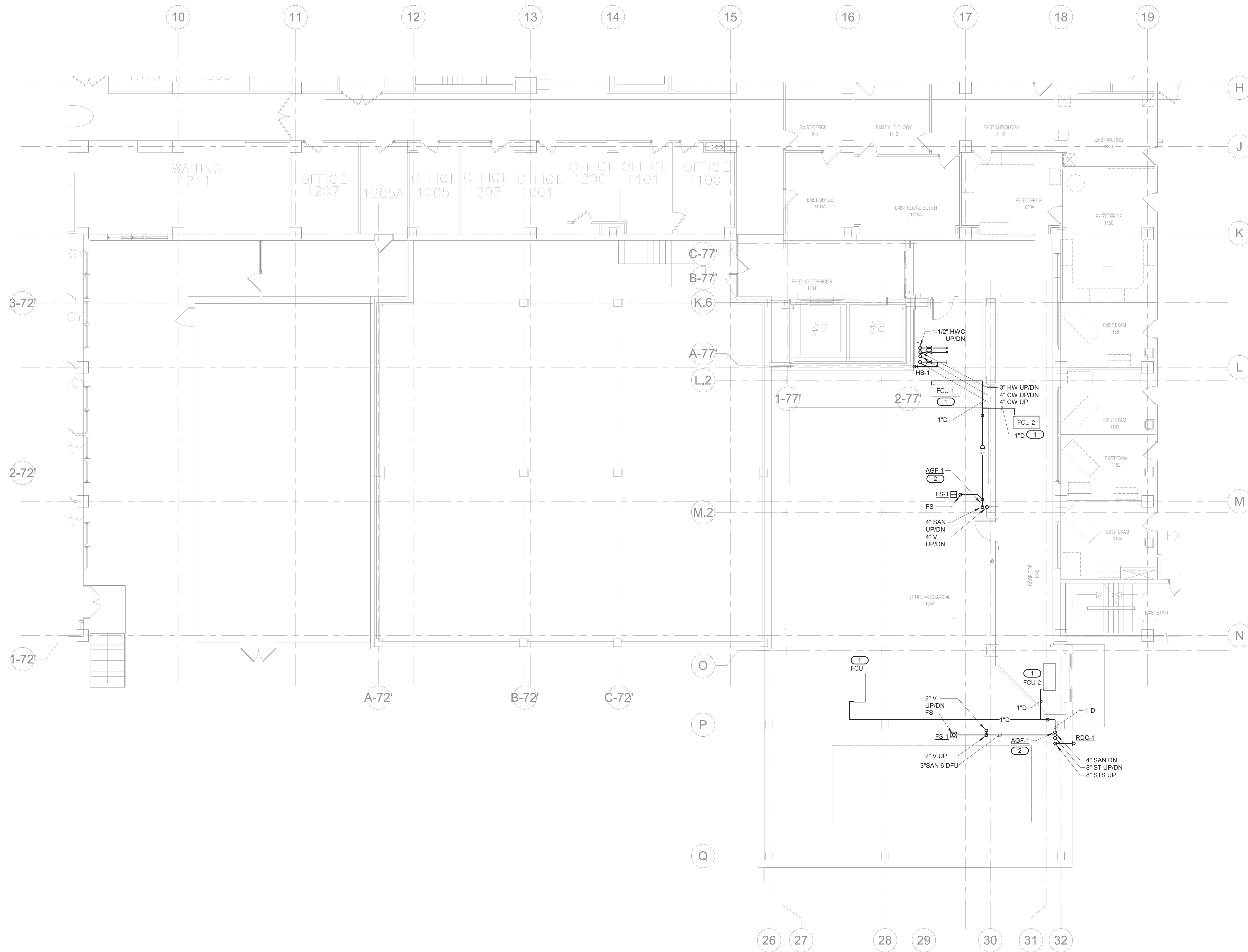
Building Number
1

Drawing Number
PD101

BID SET

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- GENERAL FIRE PROTECTION NOTES:**
- REFER TO P000 PLUMBING COVERSHEET FOR PLUMBING GENERAL NOTES, SYMBOLS, ABBREVIATIONS, PLUMBING ROUGH-IN SCHEDULE, AND PLUMBING MATERIAL LIST.
 - COORDINATE ANY SYSTEM SHUTDOWNS WITH C.O.R. SCHEDULE WORK TO MINIMIZE SYSTEM DOWNTIME AS MUCH AS POSSIBLE.
 - REFER TO 3/P300 FOR SEISMIC RISER PIPING SUPPORT DETAIL.
 - REFER TO 5/P300 RATED FIRE BARRIER PENETRATION DETAIL.
 - REFER TO 6/P300 PIPE THROUGH NON-FIRE RATED WALL DETAIL.
 - REFER TO 7/P300 FOR SEISMIC BRACING OF SUSPENDED PIPING DETAIL.
- KEYNOTES:**
- PROVIDE CONDENSATE DRAIN FOR EACH FAN COIL UNIT SIZED SAME AS FAN COIL UNIT DRAIN CONNECTION OR 1/2" WHICHEVER IS LARGER. ROUTE TO AIR GAP FITTING ON SANITARY RISER OR FLOOR SINK AS SHOWN. REFER TO 8/P300 FOR FAN COIL UNIT CONDENSATE TRAP DETAIL.
 - PROVIDE AIR GAP FITTING, AGF-1, FOR FAN COIL UNIT CONDENSATE DRAINS. REFER TO 9/P300 FOR INDIRECT DRAIN DETAIL.



1 FIRST LEVEL FLOOR PLAN - PLUMBING
1/8" = 1'-0"

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PROJECT # 19004249.01

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
FIRST LEVEL FLOOR PLAN - PLUMBING

Approved: _____

Phase
100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
NWIHCS - CONSTRUCT AIR HANDLING TOWER

Location
OMAHA, NE

Issue Date
05/28/21

Checked
RYALEP

Drawn
DELLE

Project Number
636-18-303

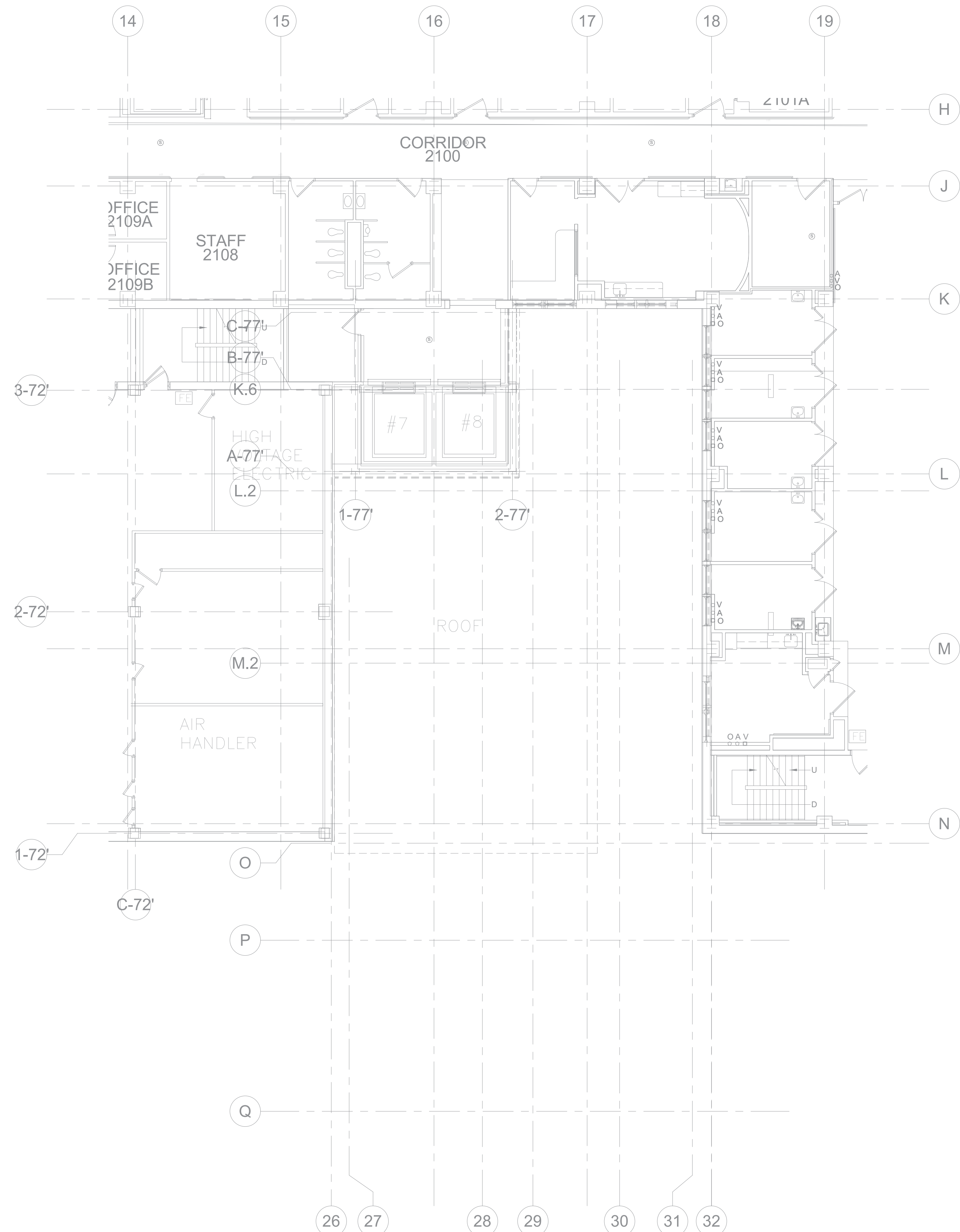
Building Number
1

Drawing Number
P101

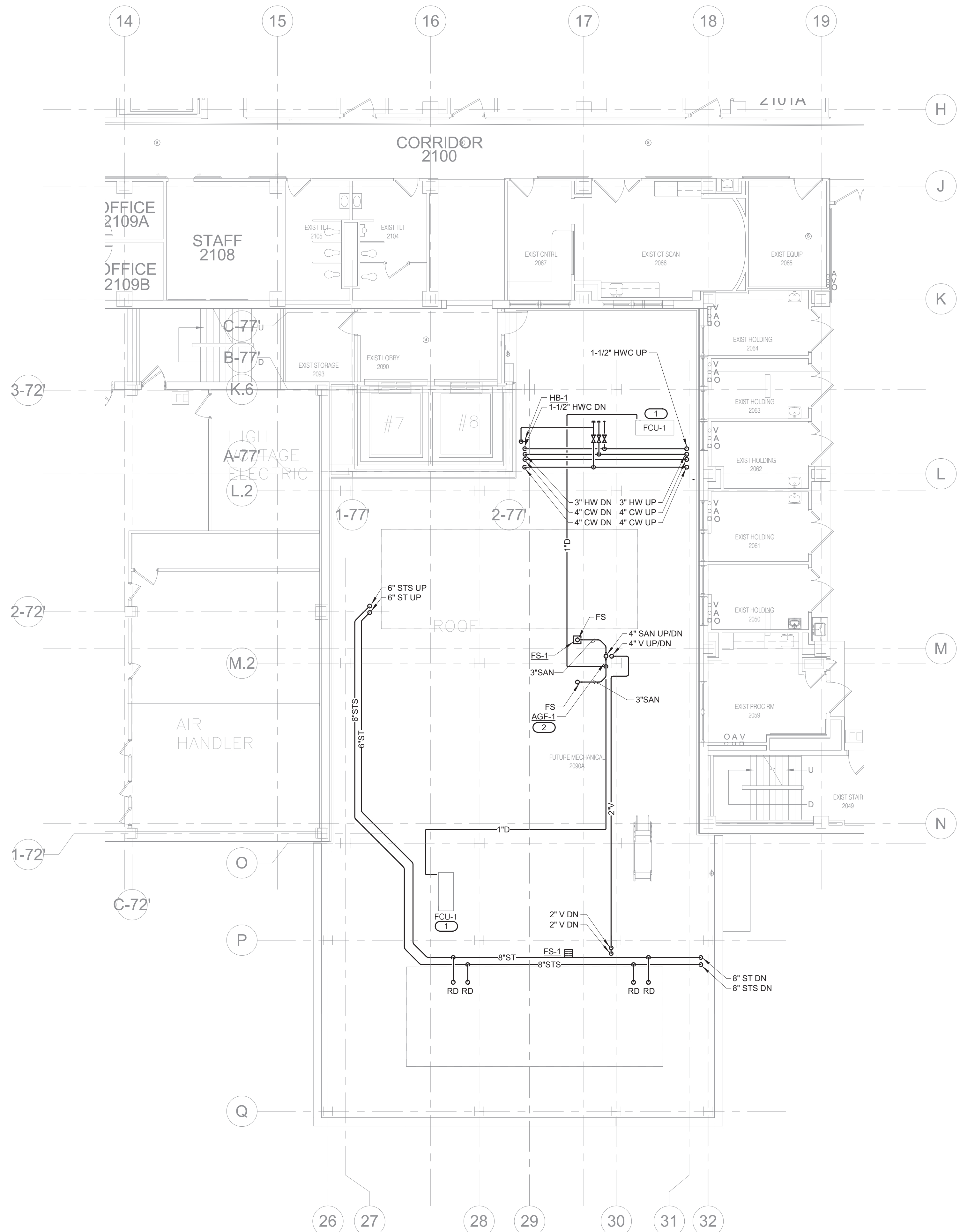
BID SET

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- GENERAL FIRE PROTECTION NOTES:**
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 - COORDINATE ANY SYSTEM SHUTDOWNS WITH C.O.R. SCHEDULE WORK TO MINIMIZE SYSTEM DOWNTIME AS MUCH AS POSSIBLE.
 - REFER TO 3/P300 FOR SEISMIC RISER PIPING SUPPORT DETAIL.
 - REFER TO 5/P300 RATED FIRE BARRIER PENETRATION DETAIL.
 - REFER TO 6/P300 PIPE THROUGH NON-FIRE RATED WALL DETAIL.
 - REFER TO 7/P300 FOR SEISMIC BRACING OF SUSPENDED PIPING DETAIL.
- KEYNOTES:** (B)
- PROVIDE CONDENSATE DRAIN FOR EACH FAN COIL UNIT SIZED SAME AS FAN COIL UNIT DRAIN CONNECTION OR 1/2" WHICH EVER IS LARGER. ROUTE TO AIR GAP FITTING ON SANITARY RISER OR FLOOR SINK AS SHOWN. REFER TO 8/P300 FOR FAN COIL UNIT CONDENSATE TRAP DETAIL.
 - PROVIDE AIR GAP FITTING, AGF-1, FOR FAN COIL UNIT CONDENSATE DRAINS. REFER TO 9/P300 FOR INDIRECT DRAIN DETAIL.



2 SECOND LEVEL FLOOR DEMOLITION - PLUMBING
1/8" = 1'-0"



1 SECOND LEVEL FLOOR PLAN - PLUMBING
1/8" = 1'-0"

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1" = 1'-0"

Revisions:	Date:

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Anderson Engineering of Minnesota, LLC | Proj # 15744

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IOWA REGISTERED PROFESSIONAL ENGINEER
No. 20825
05/26/21

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
SECOND LEVEL FLOOR PLAN - PLUMBING

Approved: _____

Phase
100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
NWIHCS - CONSTRUCT AIR HANDLING TOWER

Location
OMAHA, NE

Issue Date
05/28/21

Checked
RYALEP

Drawn
DELLE

Project Number
636-18-303

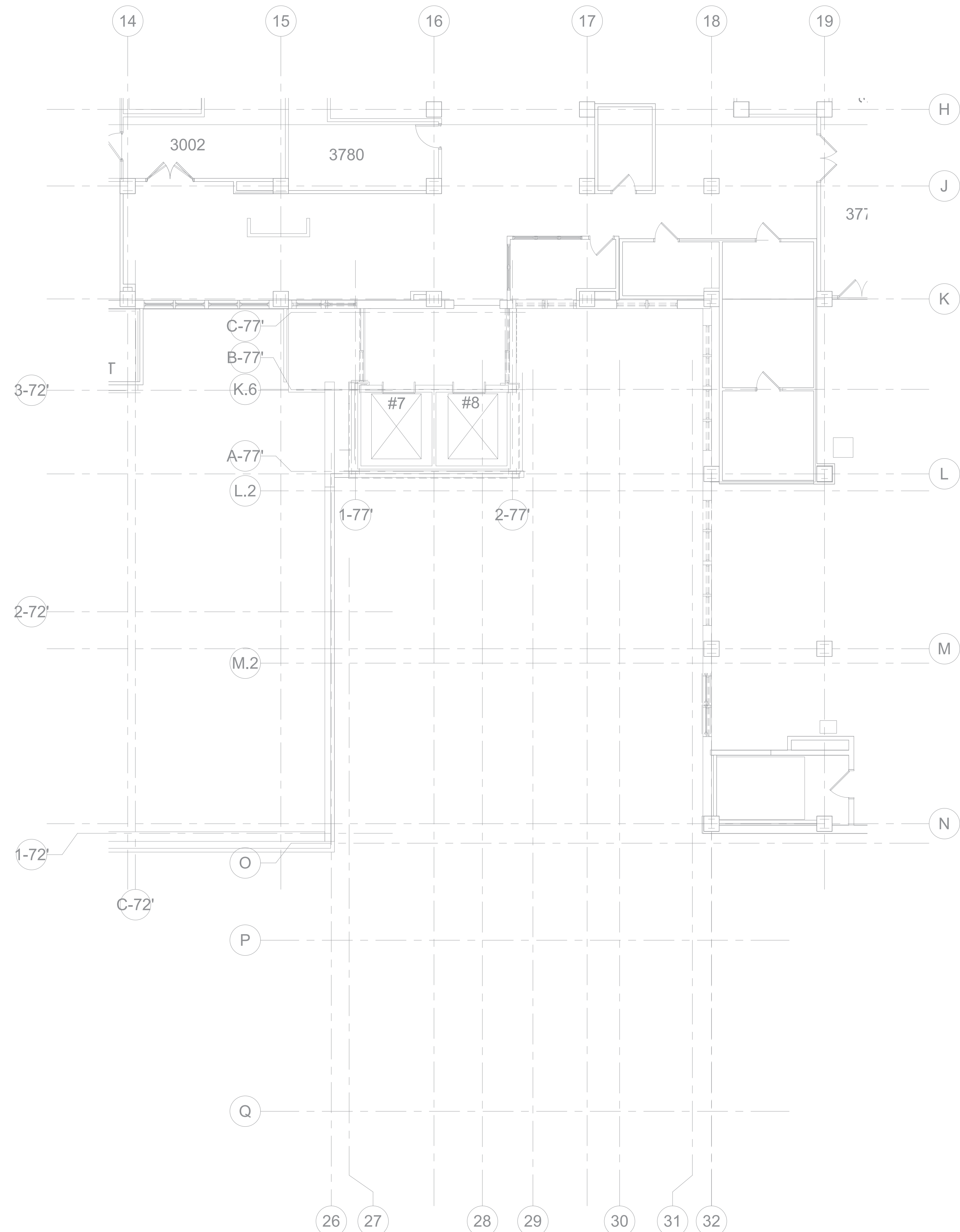
Building Number
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Drawing Number
P102

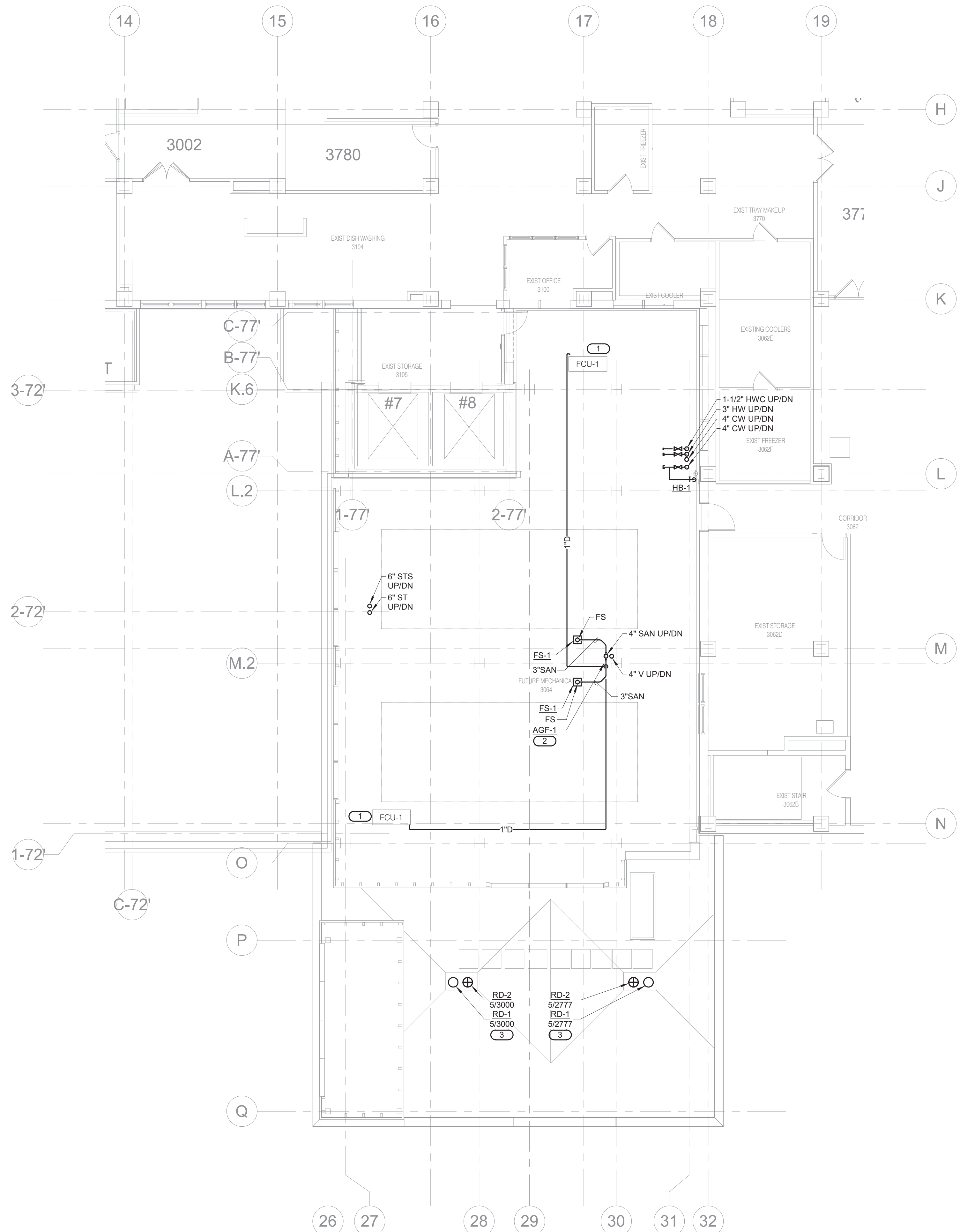
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 - REFER TO 5/P300 RATED FIRE BARRIER PENETRATION DETAIL.
 - REFER TO 6/P300 PIPE THROUGH NON-FIRE RATED WALL DETAIL.
 - REFER TO 7/P300 FOR SEISMIC BRACING OF SUSPENDED PIPING DETAIL.
- KEYNOTES: (B)**
- PROVIDE CONDENSATE DRAIN FOR EACH FAN COIL UNIT SIZED SAME AS FAN COIL UNIT DRAIN CONNECTION OR 1/2" WHICH EVER IS LARGER. ROUTE TO AIR GAP FITTING ON SANITARY RISER OR FLOOR SINK AS SHOWN. REFER TO 8/P300 FOR FAN COIL UNIT CONDENSATE TRAP DETAIL.
 - PROVIDE AIR GAP FITTING, AGE-1, FOR FAN COIL UNIT CONDENSATE DRAINS. REFER TO 9/P300 FOR INDIRECT DRAIN DETAIL.
 - REFER TO 10/P300 FOR ROOF DRAIN DETAIL.



2 THIRD LEVEL FLOOR DEMOLITION - PLUMBING
1/8" = 1'-0"



1 THIRD LEVEL FLOOR PLAN - PLUMBING
1/8" = 1'-0"

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PROJECT # 19004249.01

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REFERENCE SCALE IN INCHES
1" = 1'-0"

Revisions:	Date:

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Anderson Engineering of Minnesota, LLC | Proj # 15744

STAMP

ERIC J. ANDERSON
REGISTERED PROFESSIONAL ENGINEER
IOWA
05/28/21

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
THIRD LEVEL FLOOR PLAN - PLUMBING

Approved: _____

Phase
100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
NWIHCS - CONSTRUCT AIR HANDLING TOWER

Location
OMAHA, NE

Issue Date
05/28/21

Checked
RYALEP

Drawn
DELLE

Project Number
636-18-303

Building Number
1

Drawing Number
P103

BID SET

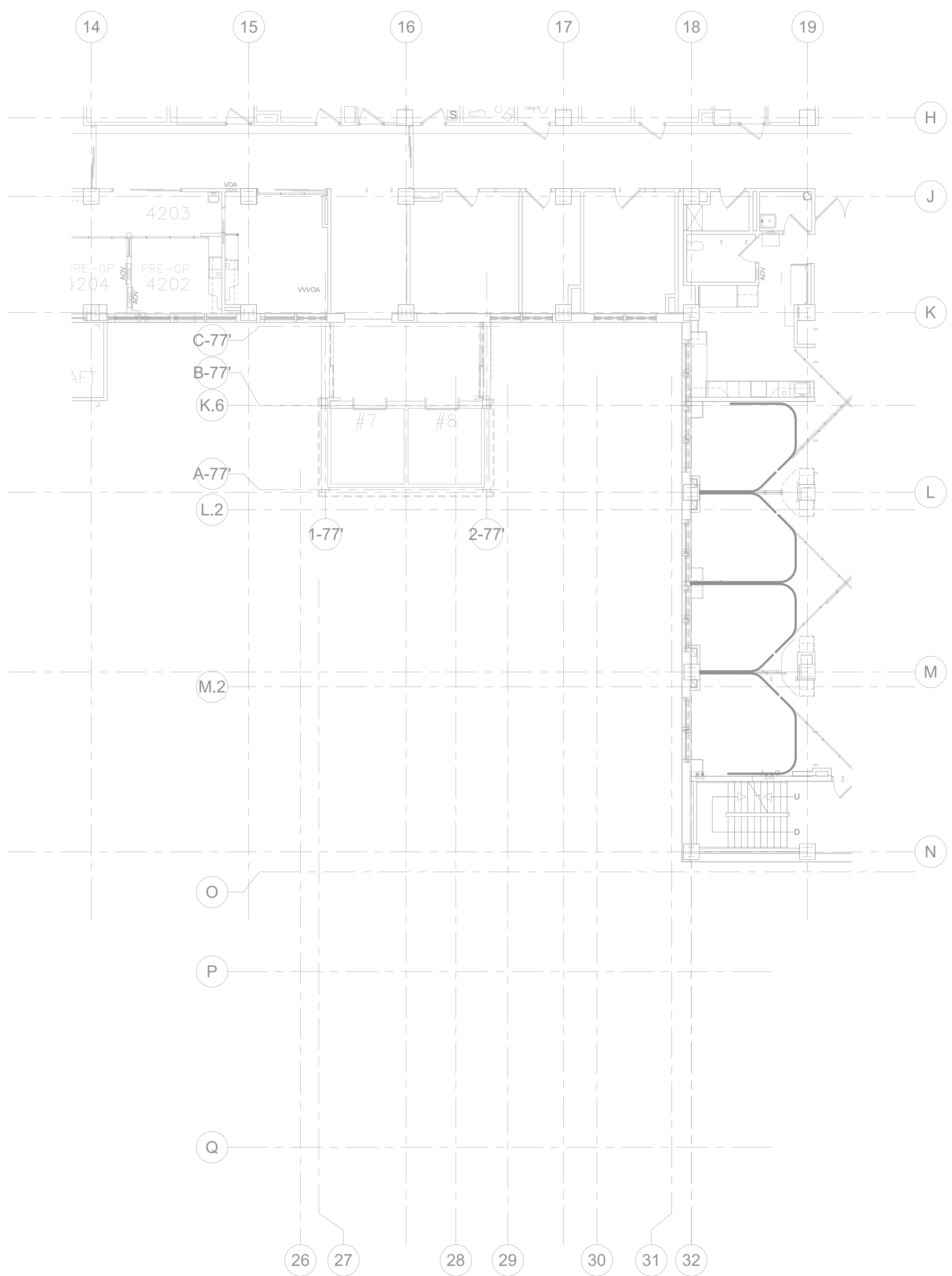
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- GENERAL FIRE PROTECTION NOTES:**
- REFER TO P000 PLUMBING COVERSHEET FOR PLUMBING GENERAL NOTES, SYMBOLS, ABBREVIATIONS, PLUMBING ROUGH-IN SCHEDULE, AND PLUMBING MATERIAL LIST.
 - COORDINATE ANY SYSTEM SHUTDOWNS WITH C.O.R. SCHEDULE WORK TO MINIMIZE SYSTEM DOWNTIME AS MUCH AS POSSIBLE.
 - REFER TO 3/P300 FOR SEISMIC RISER PIPING SUPPORT DETAIL.
 - REFER TO 5/P300 RATED FIRE BARRIER PENETRATION DETAIL.
 - REFER TO 6/P300 PIPE THROUGH NON-FIRE RATED WALL DETAIL.
 - REFER TO 7/P300 FOR SEISMIC BRACING OF SUSPENDED PIPING DETAIL.
- KEYNOTES: (B)**
- PROVIDE CONDENSATE DRAIN FOR EACH FAN COIL UNIT SIZED SAME AS FAN COIL UNIT DRAIN CONNECTION OR 1/2" WHICHEVER IS LARGER. ROUTE TO AIR GAP FITTING ON SANITARY RISER OR FLOOR SINK AS SHOWN. REFER TO 8/P300 FOR FAN COIL UNIT CONDENSATE TRAP DETAIL.
 - PROVIDE AIR GAP FITTING, AGE-1, FOR FAN COIL UNIT CONDENSATE DRAINS. REFER TO 9/P300 FOR INDIRECT DRAIN DETAIL.

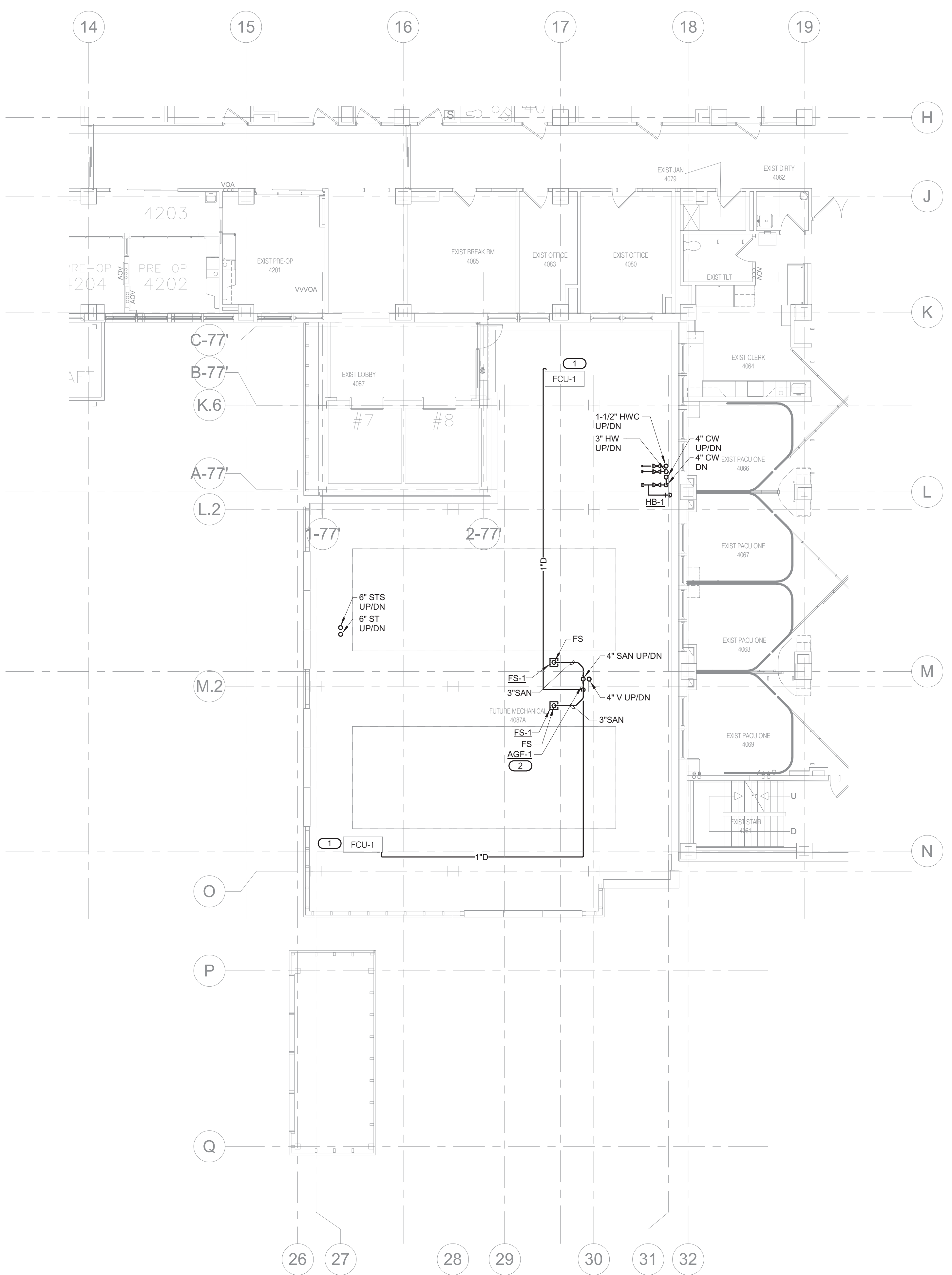
ALT DUCT #1:
OMIT CONSTRUCTION OF THE SEVENTH FLOOR; ROOF LEVEL AT SEVENTH FLOOR. REFER TO P108 FOR THE REVISED SCOPE OF WORK APPLICABLE TO THE SEVENTH FLOOR LEVEL. REFER TO P107 FOR THE REVISED SCOPE OF WORK APPLICABLE TO THE FIFTH FLOOR LEVEL. NO PROJECT SCOPE OF WORK REQUIRED ON THE SEVENTH OR EIGHTH FLOORS.

ALT DUCT #2:
OMIT CONSTRUCTION OF THE SIXTH AND SEVENTH FLOORS; ROOF LEVEL AT FIFTH FLOOR. REFER TO P108 FOR THE REVISED SCOPE OF WORK APPLICABLE TO THE SEVENTH FLOOR LEVEL. REFER TO P107 FOR THE REVISED SCOPE OF WORK APPLICABLE TO THE FIFTH FLOOR LEVEL. NO PROJECT SCOPE OF WORK REQUIRED ON THE SEVENTH OR EIGHTH FLOORS.

ALT DUCT #3:
OMIT CONSTRUCTION OF THE FIFTH, SIXTH, AND SEVENTH FLOORS; ROOF LEVEL AT FIFTH FLOOR. REFER TO P108 FOR THE REVISED SCOPE OF WORK APPLICABLE TO THE SEVENTH FLOOR LEVEL. REFER TO P107 FOR THE REVISED SCOPE OF WORK APPLICABLE TO THE FIFTH FLOOR LEVEL. NO PROJECT SCOPE OF WORK REQUIRED ON THE SEVENTH OR EIGHTH FLOORS.



2 FOURTH LEVEL FLOOR DEMOLITION - PLUMBING
1/8" = 1'-0"



1 FOURTH LEVEL FLOOR PLAN - PLUMBING
1/8" = 1'-0"

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PROJECT # 19004249.01

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REFERENCE SCALE IN INCHES
1" = 1'-0"

Revisions:	Date:

CONSULTANT

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ARCHITECT/ENGINEER OF RECORD

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STAMP

ERIC J. ANDERSON
IOWA REGISTERED PROFESSIONAL ENGINEER
20825
05/28/21

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
FOURTH LEVEL FLOOR PLAN - PLUMBING

Approved: _____

Phase
100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
NWIHCS - CONSTRUCT AIR HANDLING TOWER

Location
OMAHA, NE

Issue Date
05/28/21

Checked
RYALEP

Drawn
DELLE

Project Number
636-18-303

Building Number
1

Drawing Number
P104

BID SET

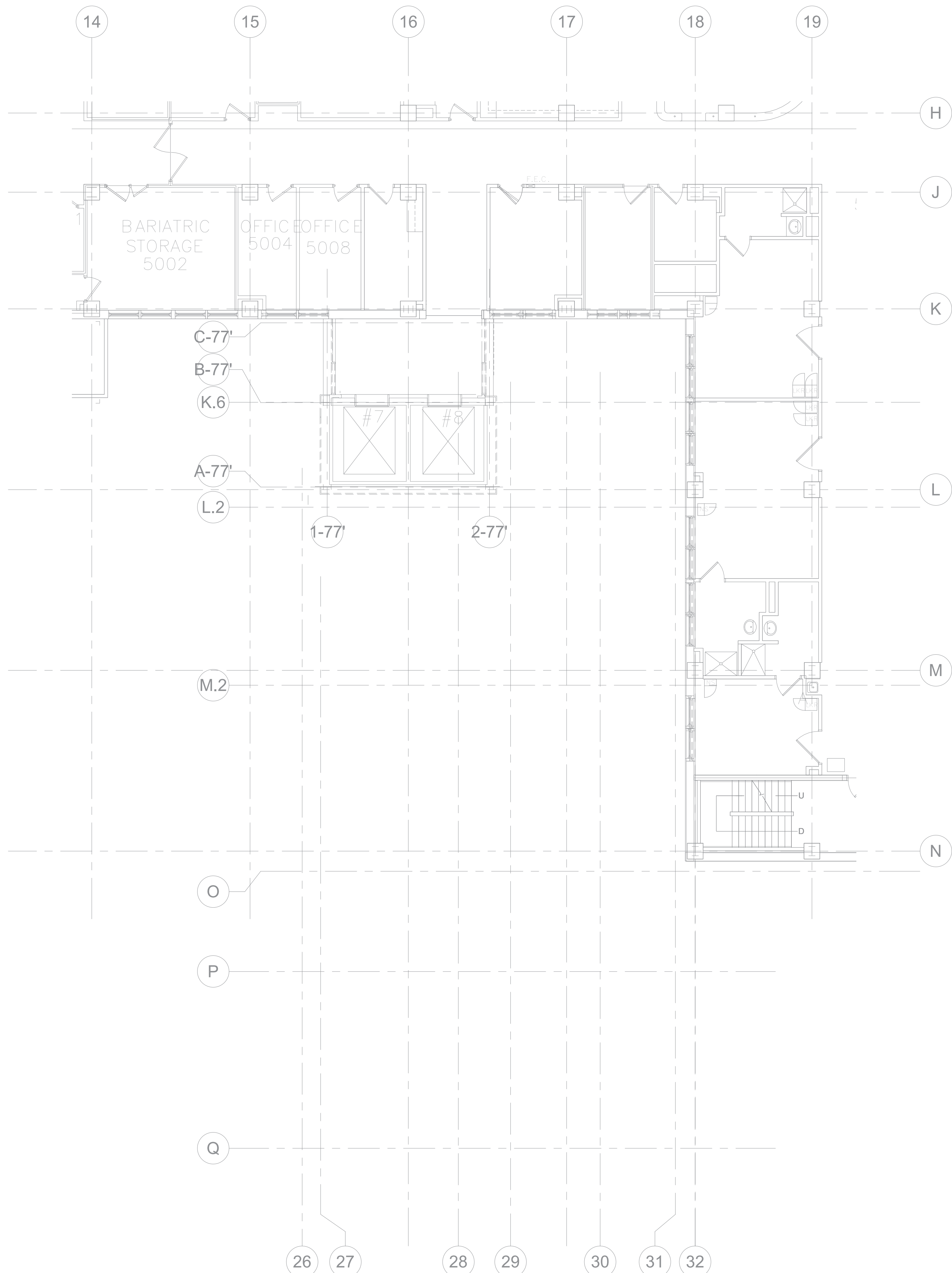
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- GENERAL FIRE PROTECTION NOTES:**
- REFER TO P000 PLUMBING COVERSHEET FOR PLUMBING GENERAL NOTES, SYMBOLS, ABBREVIATIONS, PLUMBING ROUGH-IN SCHEDULE, AND PLUMBING MATERIAL LIST.
 - COORDINATE ANY SYSTEM SHUTDOWNS WITH C.O.R. SCHEDULE WORK TO MINIMIZE SYSTEM DOWNTIME AS MUCH AS POSSIBLE.
 - REFER TO 3/P300 FOR SEISMIC RISER PIPING SUPPORT DETAIL.
 - REFER TO 5/P300 RATED FIRE BARRIER PENETRATION DETAIL.
 - REFER TO 6/P300 PIPE THROUGH NON-FIRE RATED WALL DETAIL.
 - REFER TO 7/P300 FOR SEISMIC BRACING OF SUSPENDED PIPING DETAIL.
- KEYNOTES: (A)**
- PROVIDE CONDENSATE DRAIN FOR EACH FAN COIL UNIT SIZED SAME AS FAN COIL UNIT DRAIN CONNECTION OR 1/2" WHICHEVER IS LARGER. ROUTE TO AIR GAP FITTING ON SANITARY RISER OR FLOOR SINK AS SHOWN. REFER TO 8/P300 FOR FAN COIL UNIT CONDENSATE TRAP DETAIL.
 - PROVIDE AIR GAP FITTING, AGF-1, FOR FAN COIL UNIT CONDENSATE DRAINS. REFER TO 9/P300 FOR INDIRECT DRAIN DETAIL.

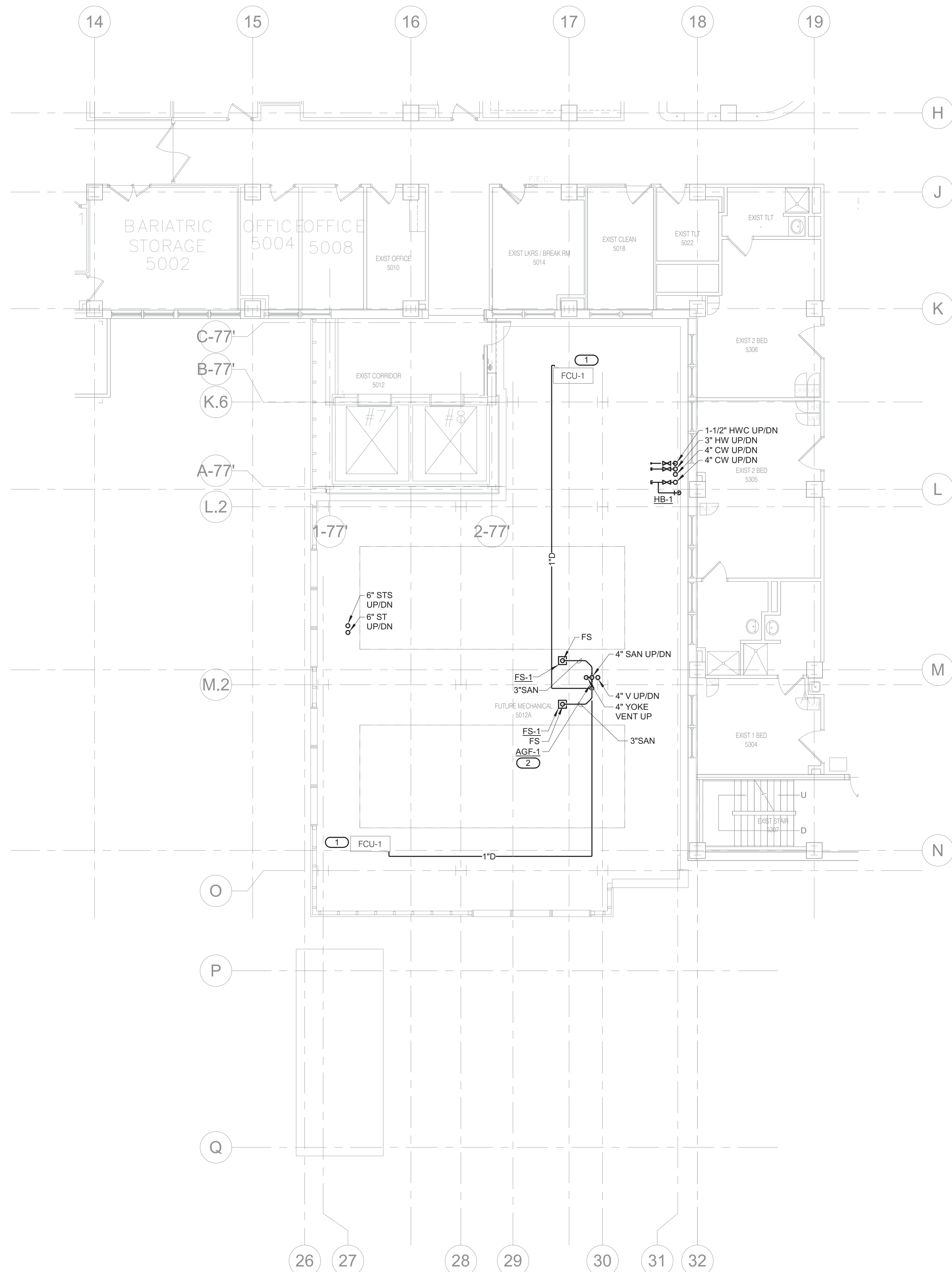
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2 FIFTH LEVEL FLOOR DEMOLITION - PLUMBING
1/8" = 1'-0"



1 FIFTH LEVEL FLOOR PLAN - PLUMBING
1/8" = 1'-0"

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PROJECT # 19004249.01

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Revisions:	Date:

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ERIC J. ANDERSON
REGISTERED PROFESSIONAL ENGINEER
IOWA
05/26/21

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
FIFTH LEVEL FLOOR PLAN - PLUMBING

Approved: _____

Phase
100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
NWIHCS - CONSTRUCT AIR HANDLING TOWER

Location
OMAHA, NE

Issue Date
05/28/21

Checked
RYALEP

Drawn
DELLE

Project Number
636-18-303

Building Number
1

Drawing Number
P105

BID SET

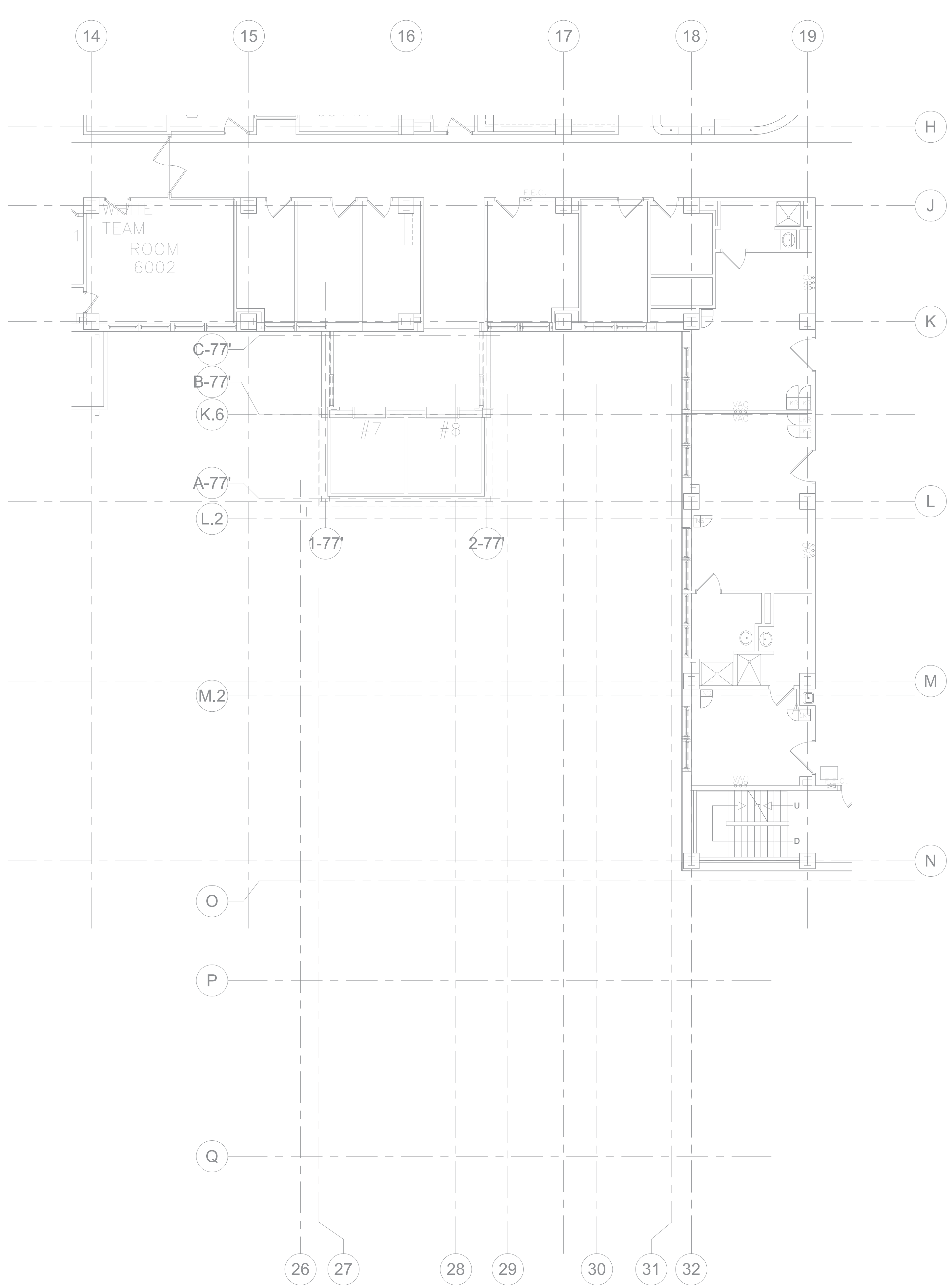
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- GENERAL FIRE PROTECTION NOTES:**
- REFER TO P000 PLUMBING COVERSHEET FOR PLUMBING GENERAL NOTES, SYMBOLS, ABBREVIATIONS, PLUMBING ROUGH-IN SCHEDULE, AND PLUMBING MATERIAL LIST.
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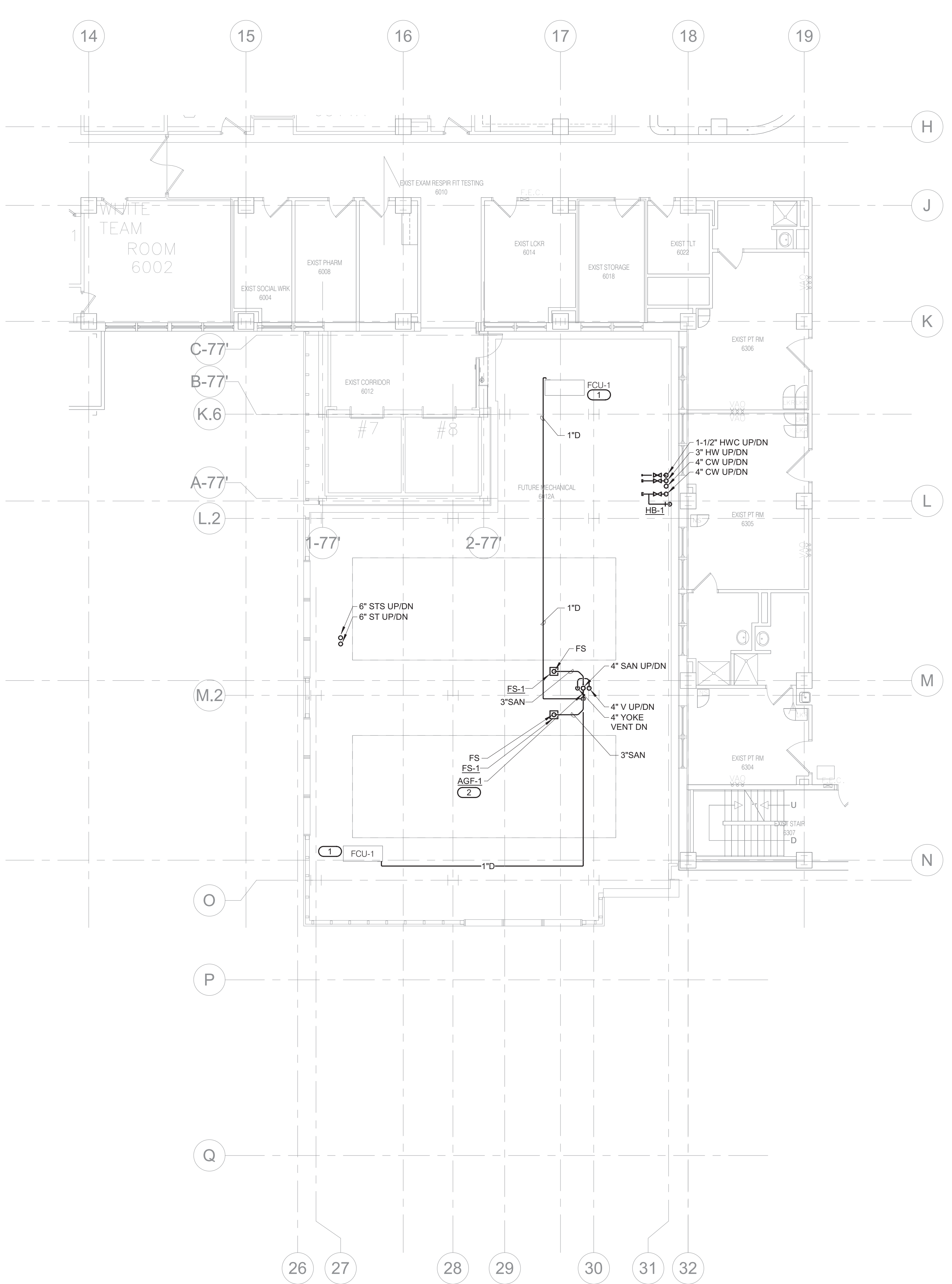
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2 SIXTH LEVEL FLOOR DEMOLITION - PLUMBING
1/8" = 1'-0"



1 SIXTH LEVEL FLOOR PLAN - PLUMBING
1/8" = 1'-0"

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REFERENCE SCALE IN INCHES
1" = 1'-0"

Revisions:	Date:

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Anderson Engineering of Minnesota, LLC | Proj # 15744

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
SIXTH LEVEL FLOOR PLAN - PLUMBING

Approved: _____

Phase
100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
NWIHCS - CONSTRUCT AIR HANDLING TOWER

Location
OMAHA, NE

Issue Date 05/28/21	Checked RYALEP	Drawn DELLE
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Project Number
636-18-303

Building Number
1

Drawing Number
P106

BID SET

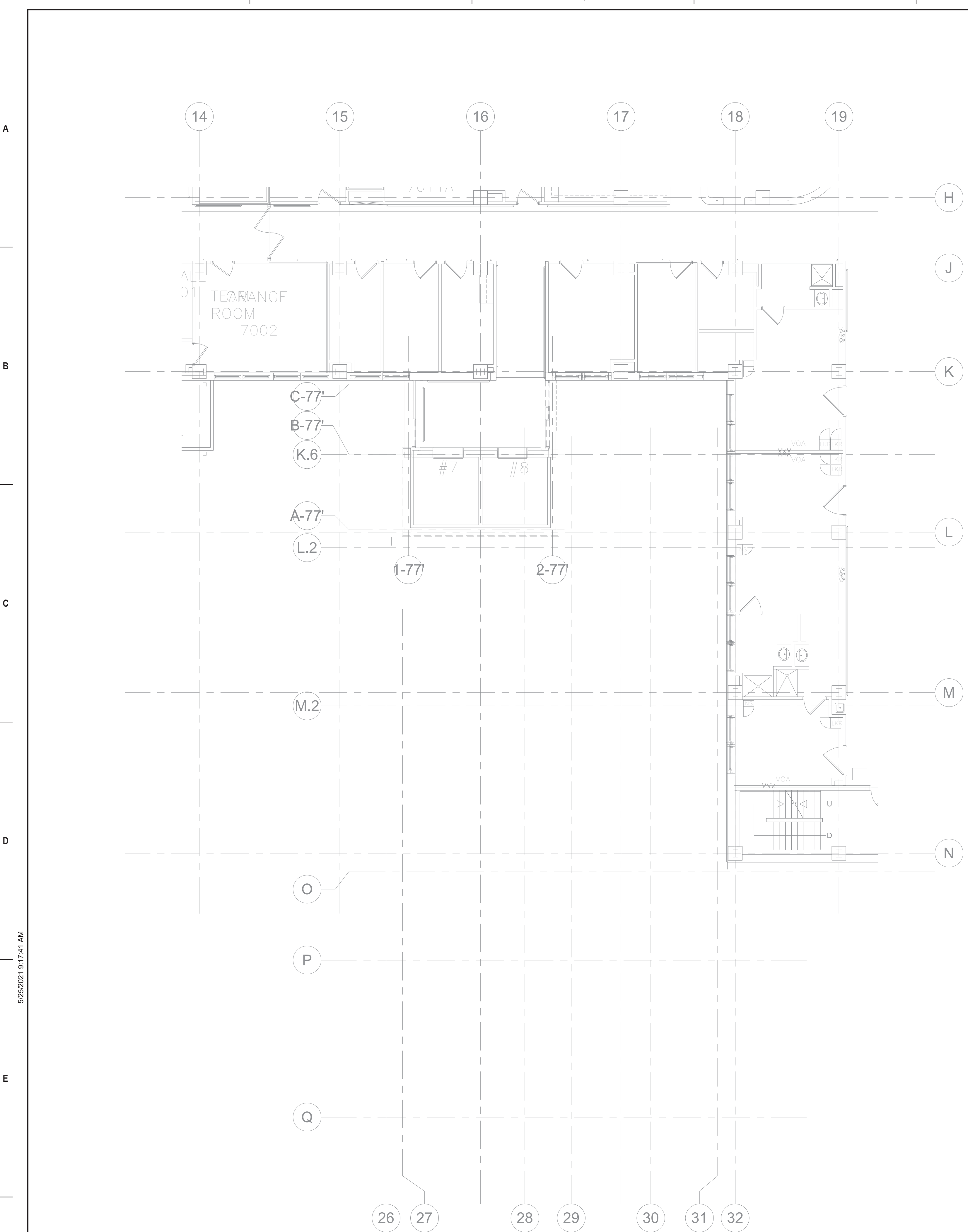
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 - PROVIDE AIR GAP FITTING, AGE-1, FOR FAN COIL UNIT CONDENSATE DRAINS. REFER TO 9/P300 FOR INDIRECT DRAIN DETAIL.
 - ALL HORIZONTAL STORM AND SECONDARY STORM PIPING ON THIS PLAN, AND ALL VERTICAL LEADERS BETWEEN THIS PIPING AND ITS ASSOCIATED ROOF DRAINS, SHALL BE HEAT TRACED. COORDINATE HEAT TRACING WITH ELECTRICAL CONTRACTOR.

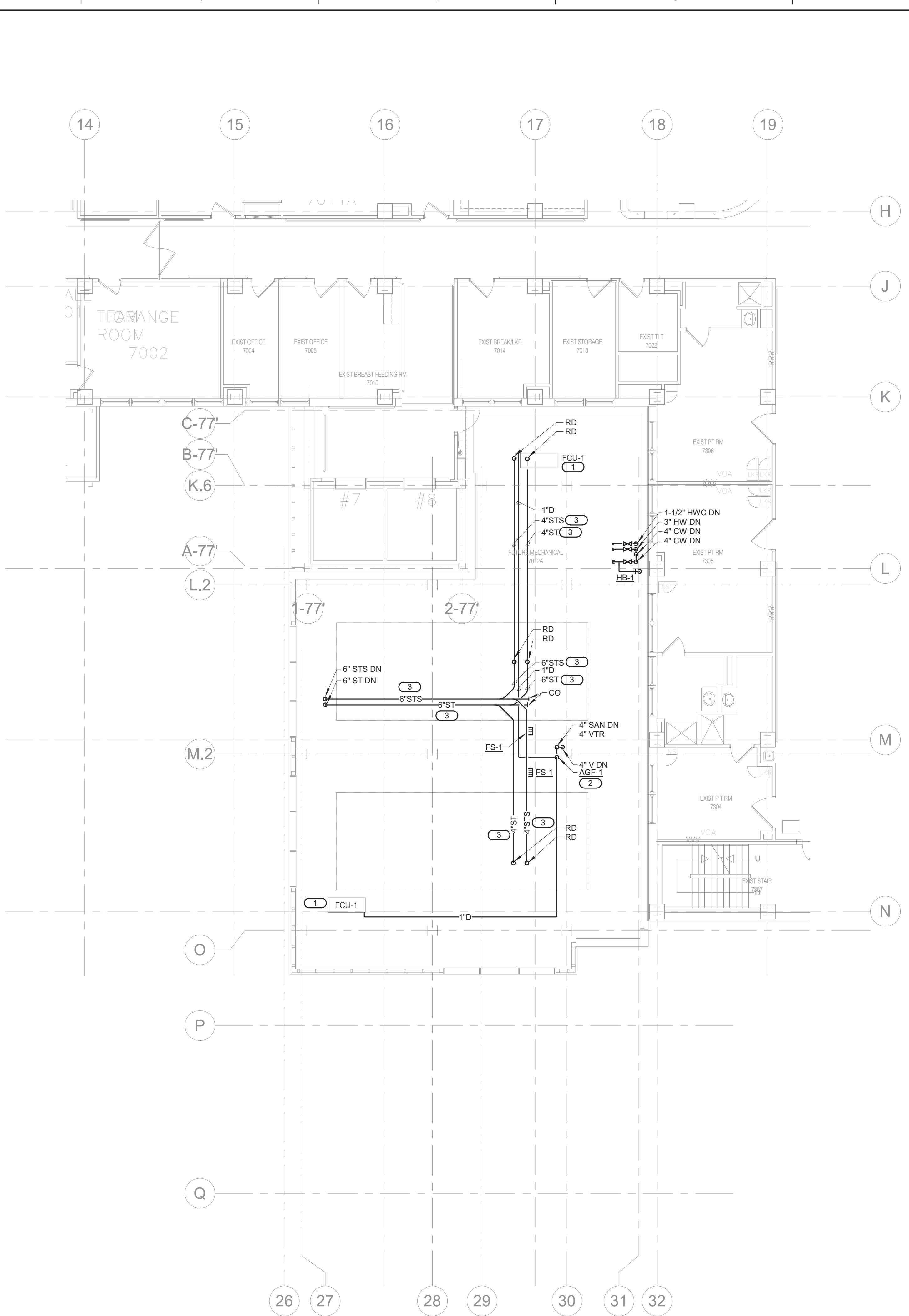
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 OMIT CONSTRUCTION OF THE SEVENTH FLOOR, ROOF LEVEL AT SEVENTH FLOOR. REFER TO P108 FOR THE REVISED SCOPE OF WORK APPLICABLE TO THE SEVENTH FLOOR LEVEL. THE SCOPE OF WORK CAPTURED IN THIS PLAN VIEW SHOULD BE APPLIED TO THE SIXTH FLOOR LEVEL. NO PROJECT SCOPE OF WORK REQUIRED ON THE EIGHTH FLOOR.

ALT DUCT #2:
 OMIT CONSTRUCTION OF THE SIXTH AND SEVENTH FLOORS, ROOF LEVEL AT SIXTH FLOOR. REFER TO P108 FOR THE REVISED SCOPE OF WORK APPLICABLE TO THE SIXTH FLOOR LEVEL. THE SCOPE OF WORK CAPTURED IN THIS PLAN VIEW SHOULD BE APPLIED TO THE FIFTH FLOOR LEVEL. NO PROJECT SCOPE OF WORK REQUIRED ON THE SEVENTH OR EIGHTH FLOORS.

ALT DUCT #3:
 OMIT CONSTRUCTION OF THE FIFTH, SIXTH, AND SEVENTH FLOORS, ROOF LEVEL AT FIFTH FLOOR. REFER TO P108 FOR THE REVISED SCOPE OF WORK APPLICABLE TO THE FIFTH FLOOR LEVEL. THE SCOPE OF WORK CAPTURED IN THIS PLAN VIEW SHOULD BE APPLIED TO THE FOURTH FLOOR LEVEL. NO PROJECT SCOPE OF WORK REQUIRED ON THE SIXTH, SEVENTH, OR EIGHTH FLOORS.



2 SEVENTH LEVEL FLOOR DEMOLITION - PLUMBING
 1/8" = 1'-0"



1 SEVENTH LEVEL FLOOR PLAN - PLUMBING
 1/8" = 1'-0"

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 PROJECT # 19004249.01

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REFERENCE SCALE IN INCHES
 1" = 1'-0"

Revisions:	Date:

CONSULTANT

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ARCHITECT/ENGINEER OF RECORD

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 Anderson Engineering of Minnesota, LLC | Proj # 15744

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
SEVENTH LEVEL FLOOR PLAN - PLUMBING

Approved: _____

Phase
100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
NWIHCS - CONSTRUCT AIR HANDLING TOWER

Location
OMAHA, NE

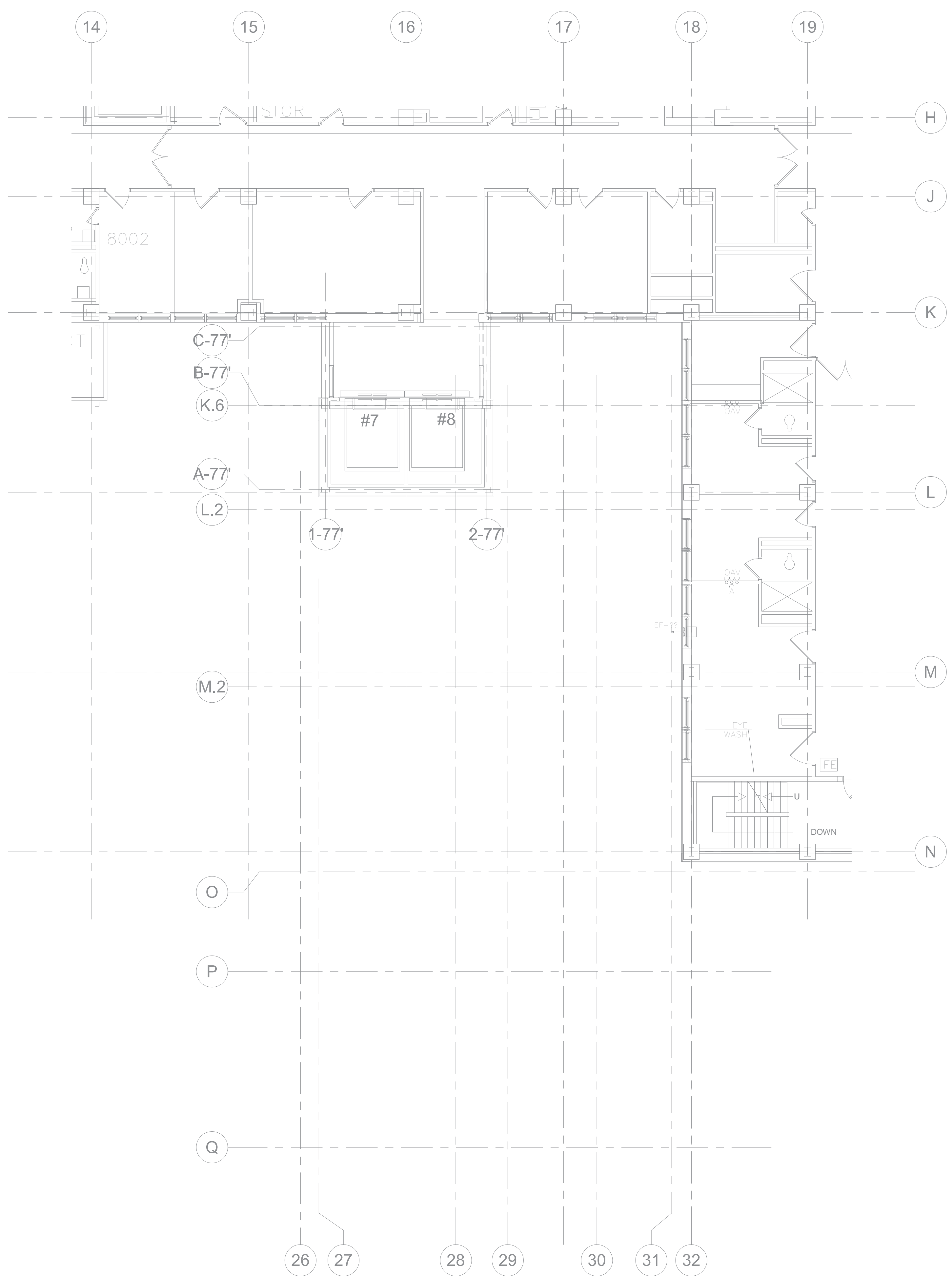
Issue Date	Checked	Drawn
05/28/21	RYALEP	DELLE

Project Number
636-18-303

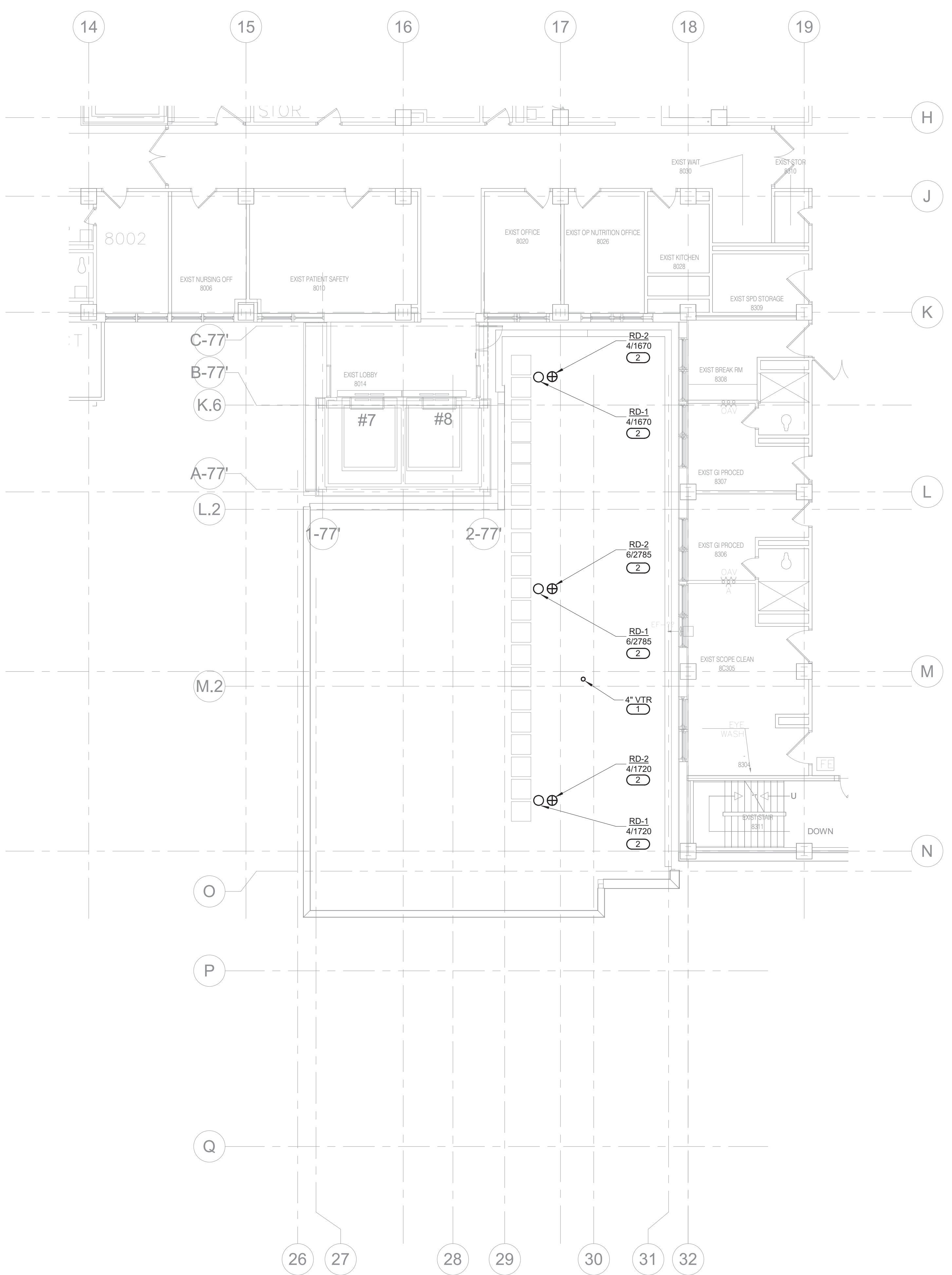
Building Number
1

Drawing Number
P107

BID SET



2 EIGHTH LEVEL FLOOR DEMOLITION - PLUMBING
1/8" = 1'-0"



1 EIGHTH LEVEL FLOOR PLAN - PLUMBING
1/8" = 1'-0"

GENERAL FIRE PROTECTION NOTES:
1. REFER TO P000 PLUMBING COVERSHEET FOR PLUMBING GENERAL NOTES, SYMBOLS, ABBREVIATIONS, PLUMBING ROUGH-IN SCHEDULE, AND PLUMBING MATERIAL LIST.
KEYNOTES: (E)
1. REFER TO 4/P300 FOR VENT PIPE FLASHING DETAIL.
2. REFER TO 10/P300 FOR ROOF DRAIN DETAIL.

ALT DEDUCT #1:
OMIT CONSTRUCTION OF THE SEVENTH FLOOR, ROOF LEVEL AT SEVENTH FLOOR. THE SCOPE OF WORK CAPTURED IN THIS PLAN VIEW SHOULD BE APPLIED TO THE SEVENTH FLOOR LEVEL. REFER TO P107 FOR THE REVISED SCOPE OF WORK APPLICABLE TO THE SIXTH FLOOR LEVEL. NO PROJECT SCOPE OF WORK REQUIRED ON THE EIGHTH FLOOR.

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5/25/2021 8:17:46 AM
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Anderson Engineering of Minnesota, LLC | Proj # 15744

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
EIGHTH LEVEL FLOOR PLAN - PLUMBING

Approved:

Phase
100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
NWIHCS - CONSTRUCT AIR HANDLING TOWER

Location
OMAHA, NE

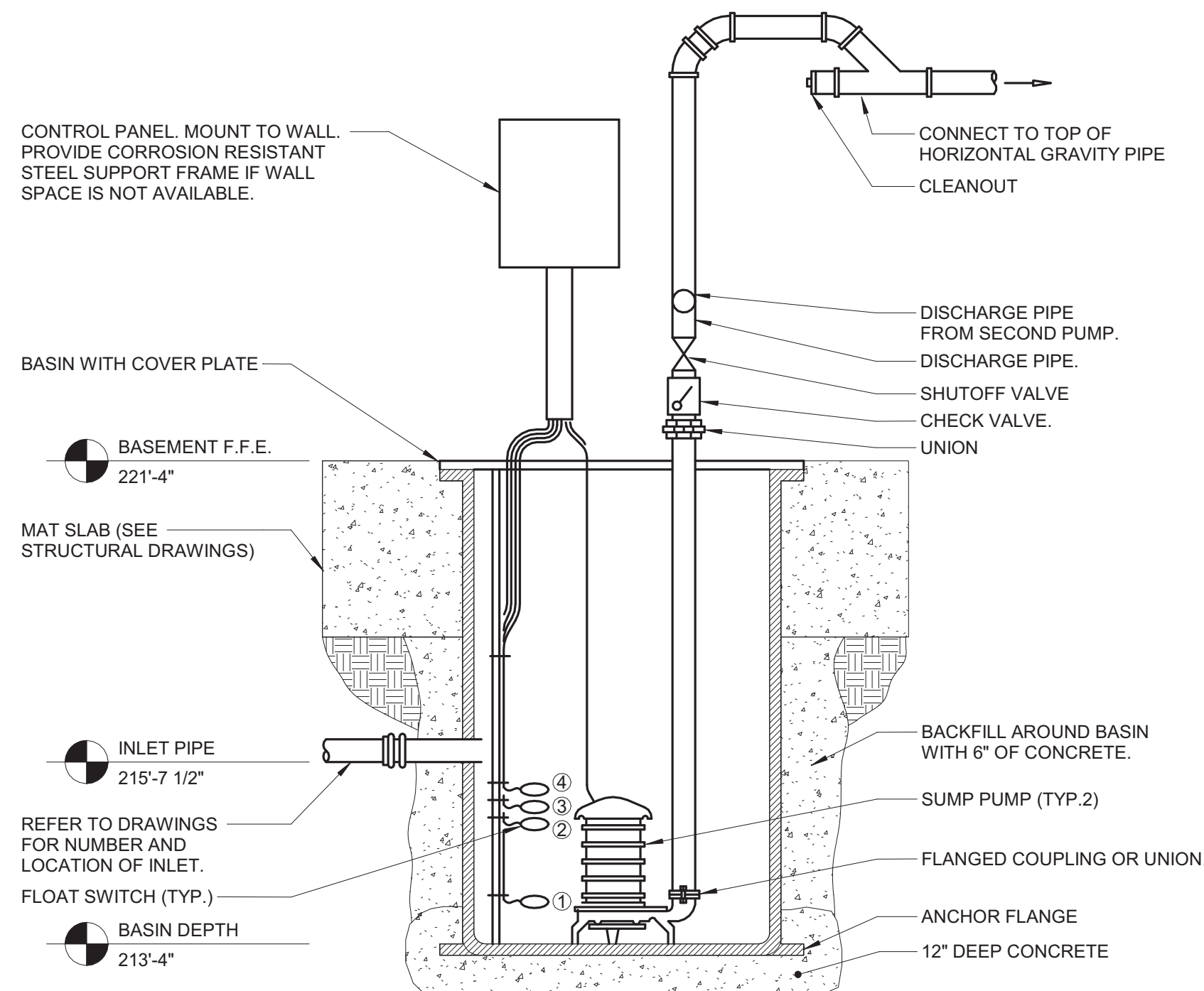
Issue Date	Checked	Drawn
05/28/21	RYALEP	DELLE

Project Number
636-18-303

Building Number
1

Drawing Number
P108

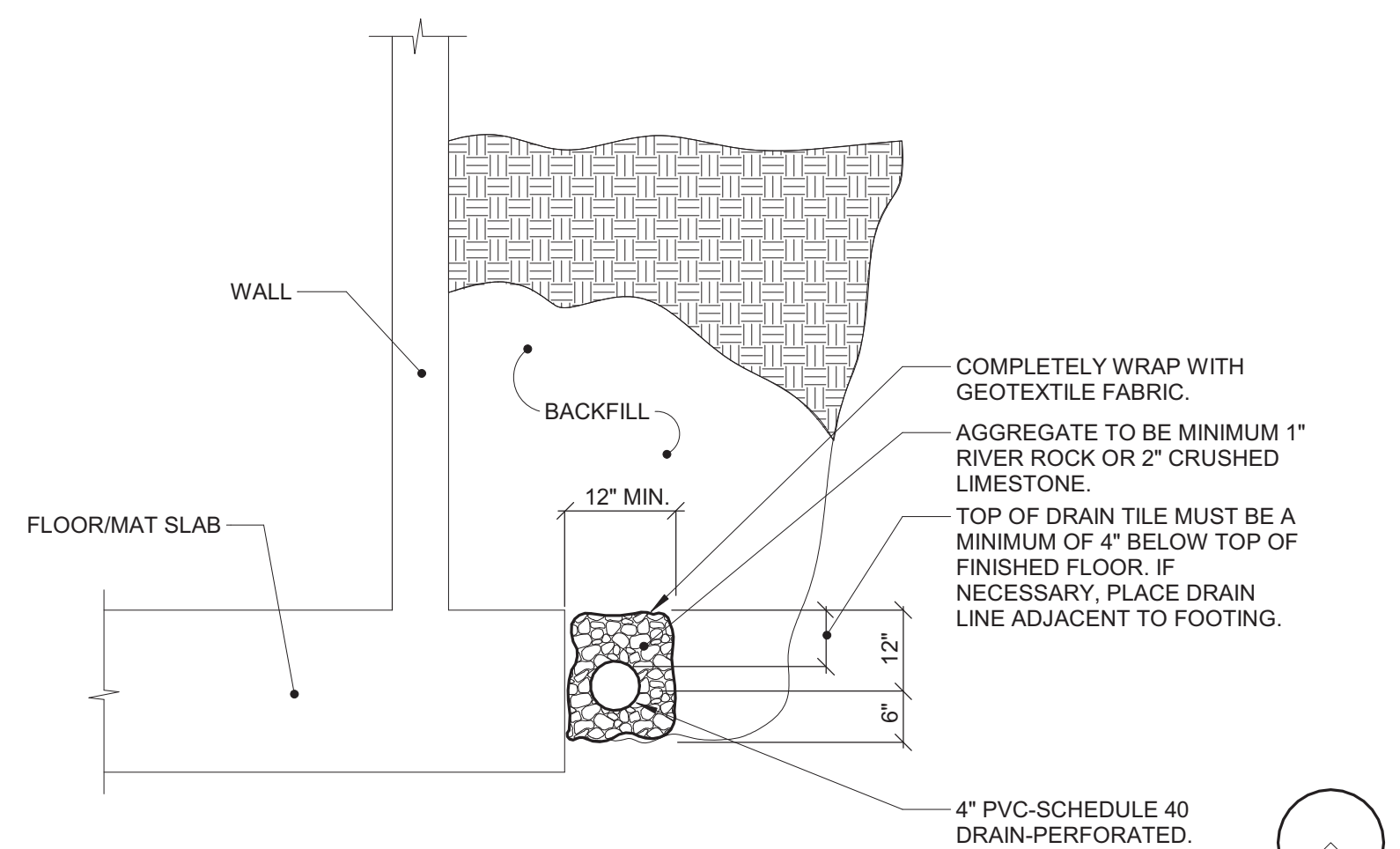
BID SET



1 SUMP PUMP DETAIL (DUPLX)

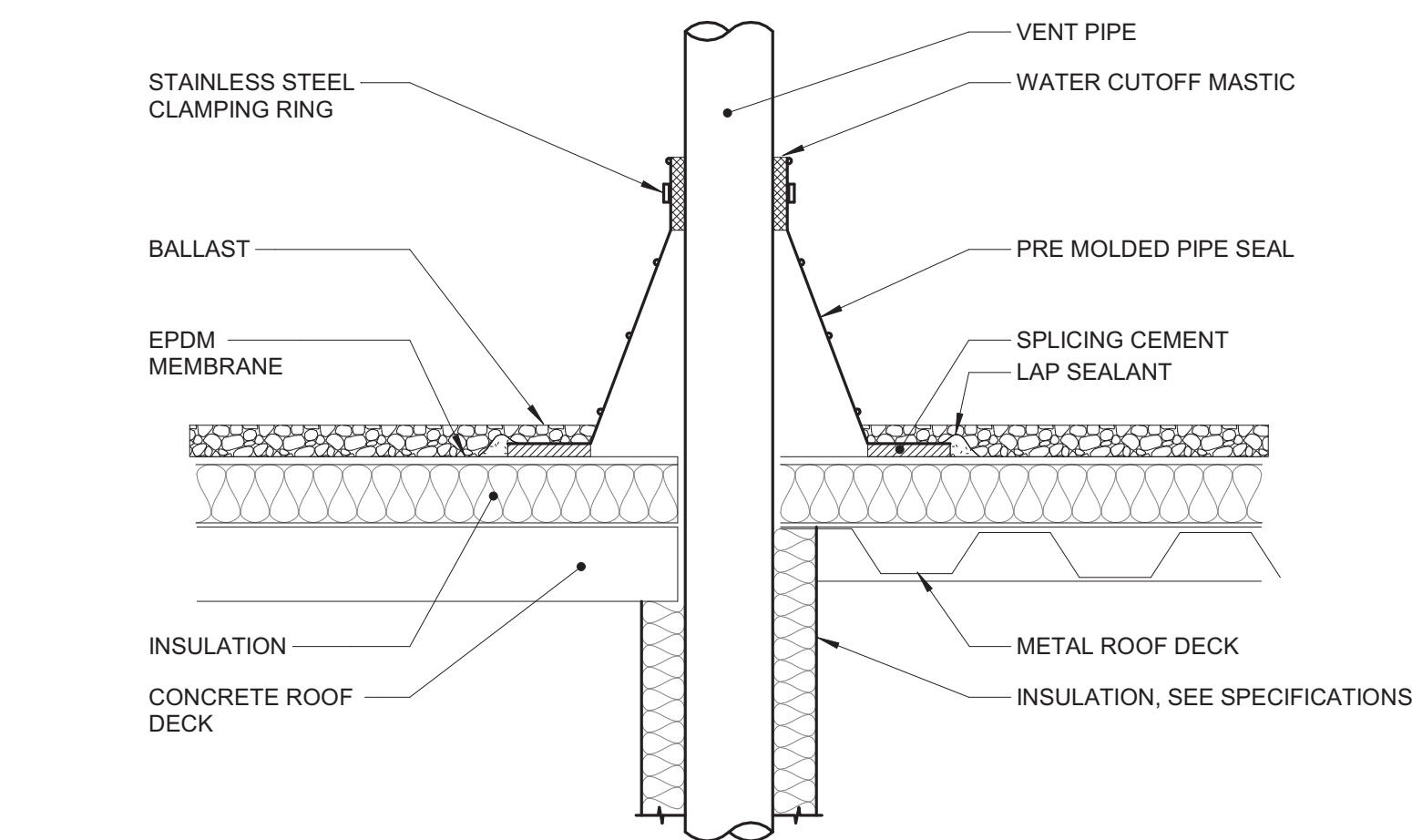
NO SCALE
NOTES:

1. SUMP PUMPS THAT DISCHARGE TO STORM SHALL BE INSTALLED WITH THE TOP OF THE SUMP BASIN 2" ABOVE FLOOR LEVEL A 2" HIGH X4" WIDE CONCRETE CURB AROUND THE PERIMETER OF THE BASIN LID MAY BE USED IN LIEU OF RAISING THE ENTIRE SUMP BASIN.



2 DRAIN TILE DETAIL

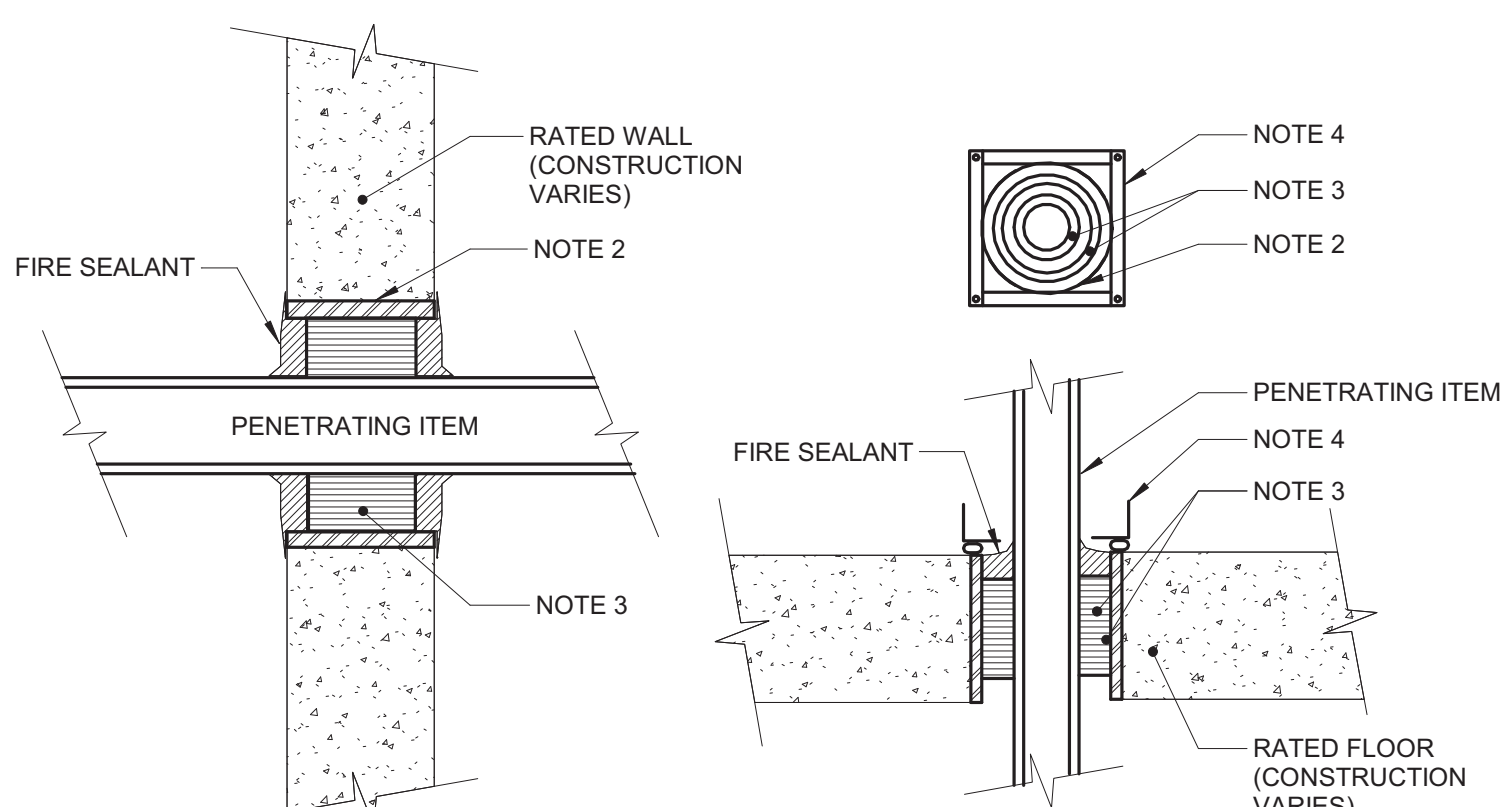
NO SCALE



4 VENT PIPE FLASHING

NO SCALE
NOTES:

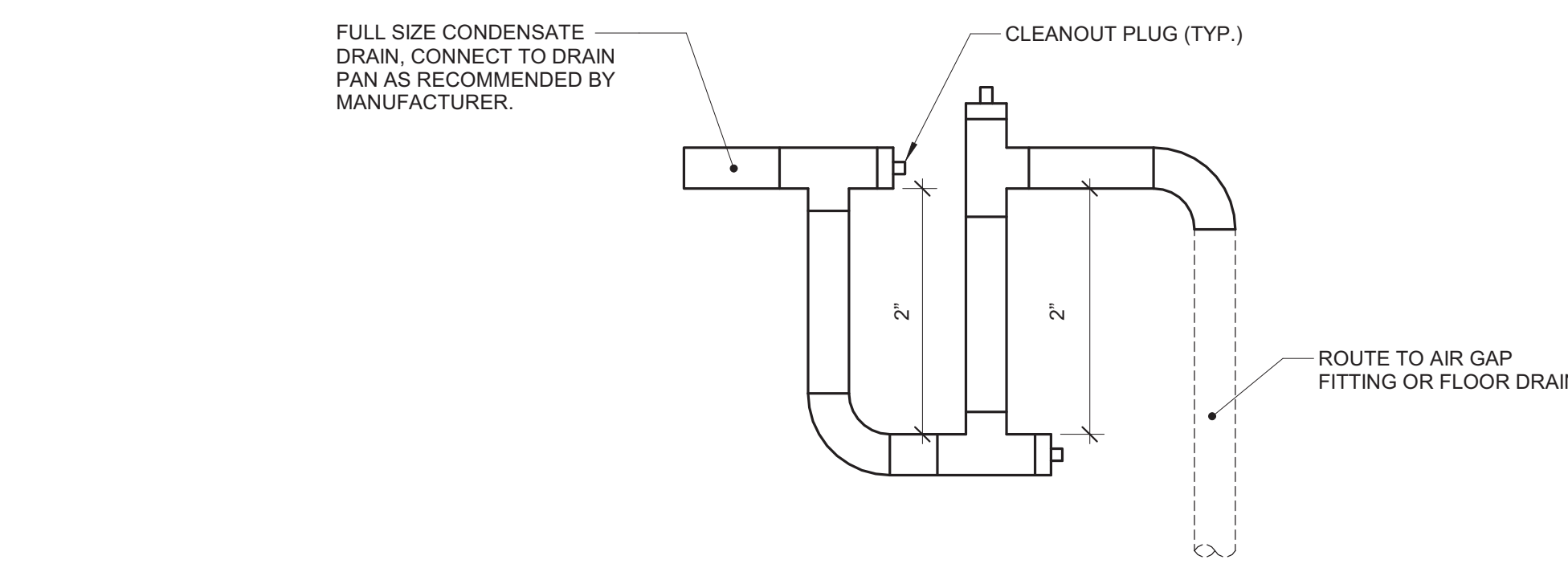
1. VENT PIPE SHALL BE A MINIMUM OF 3" DIAMETER UNLESS NOTED LARGER ON FLOOR PLANS. INCREASES, IF REQUIRED TO TRANSITION TO THE LARGER VTR SIZE, MUST BE INSTALLED AT LEAST 12 INCHES BELOW THE THERMAL ENVELOPE OF THE BUILDING.



5 RATED FIRE BARRIER PENETRATION

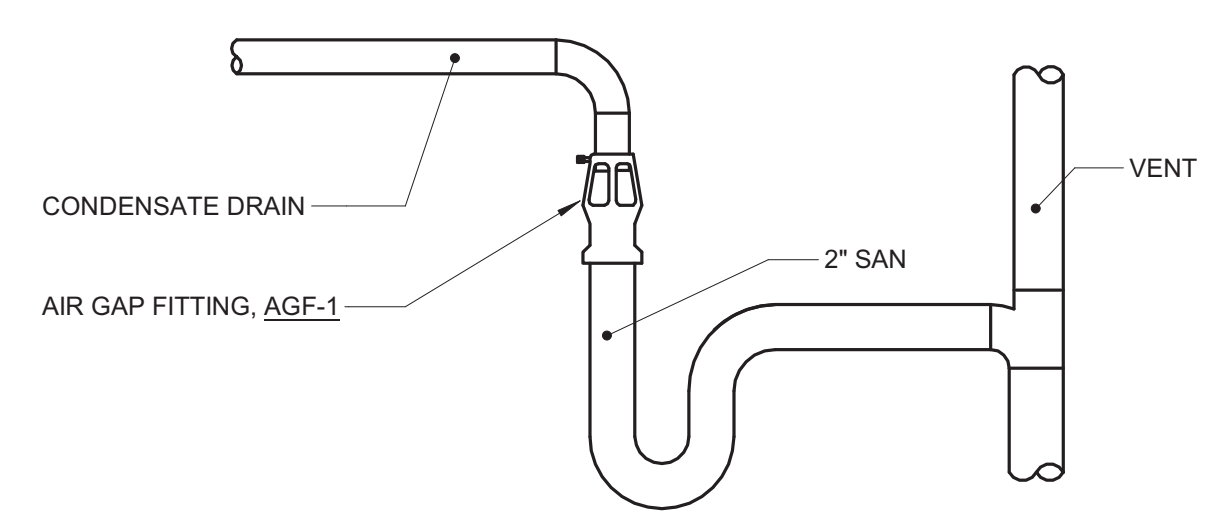
NO SCALE
NOTES:

1. THIS GENERAL DETAIL APPLIES TO ALL ITEMS PENETRATING FIRE RATED WALLS OR FLOORS. THE INTENT IS TO MAINTAIN THE FIRE RATING AND TO ALLOW LONGITUDINAL MOVEMENT. REFER TO SPECIFICATION SECTION 22 05 03 FOR SELECTION OF THROUGH PENETRATION FIRE STOPPING.
2. SCHEDULE 5 PIPE SLEEVE EMBEDDED IN WALL OR FLOOR, OR SMOOTH CORE DRILL, EACH CONTRACTOR FURNISHES SLEEVE TO G.C. COORDINATES SLEEVE LOCATIONS AND DEBURS SLEEVE. G.C. BUILDS SLEEVE INTO WALL OR FLOOR ALLOWING NO GAP AROUND SLEEVE. IF SLEEVE IS NOT PROVIDED WHEN WALL OR FLOOR IS BUILT, CONTRACTOR SHALL INSTALL SLEEVE. SLEEVE SIZE SHALL ALLOW ANNUAL SPACE REQUIRED BY THE SELECTED FIRE STOP SYSTEM.
3. INSTALL BACKING MATERIAL, SUCH AS MINERAL WOOL SAFING, AS REQUIRED FOR FIRE STOP SYSTEM. INSTALL IN ACCORDANCE WITH FIRE STOP SYSTEM APPLICATION LISTING. SECURE TO WALL OR FLOOR TO ALLOW LONGITUDINAL MOVEMENT OF PENETRATING ITEM WITHOUT MOVEMENT OF FIRE BARRIER.
4. WATER TIGHT WELDED 1 1/2" X 2 1/2" GAUGE MINIMUM GALVANIZED SHEET METAL ANGLE FRAME, BY CONTRACTOR IN EQUIPMENT ROOMS FOR WATER STOP. PLACE A BEAD OF WATERPROOF SEALANT BETWEEN FLOOR AND BOTTOM OF ANGLE FRAME. SECURE TO FLOOR WITH MASONRY ANCHORS IN CORNERS AND ON 12" MAXIMUM CENTERS. MULTIPLE PENETRATING ITEMS MAY BE ENCLOSED IN ONE FRAME.



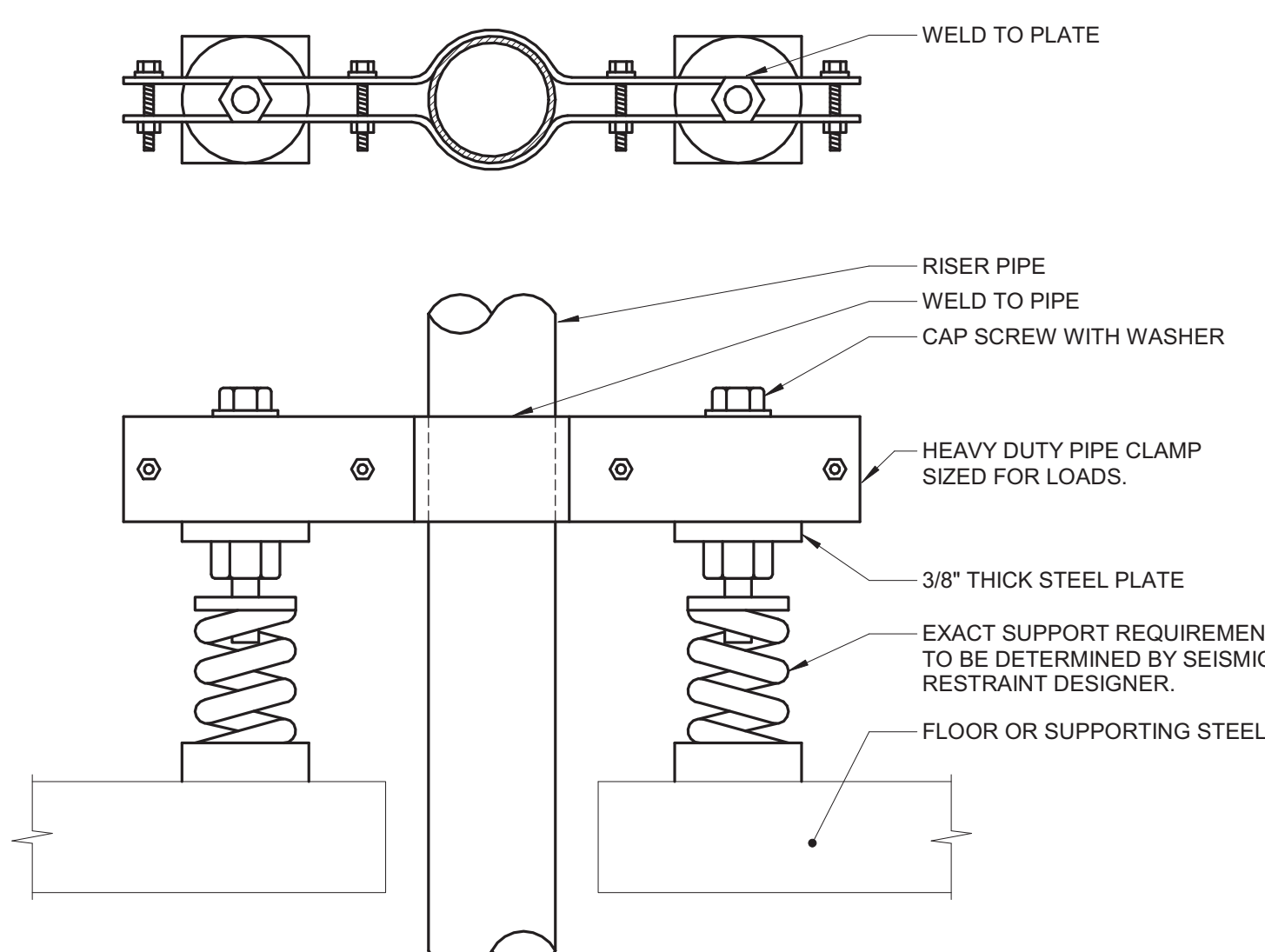
8 FAN COIL UNIT CONDENSATE TRAP DETAIL

NO SCALE



9 INDIRECT DRAIN DETAIL

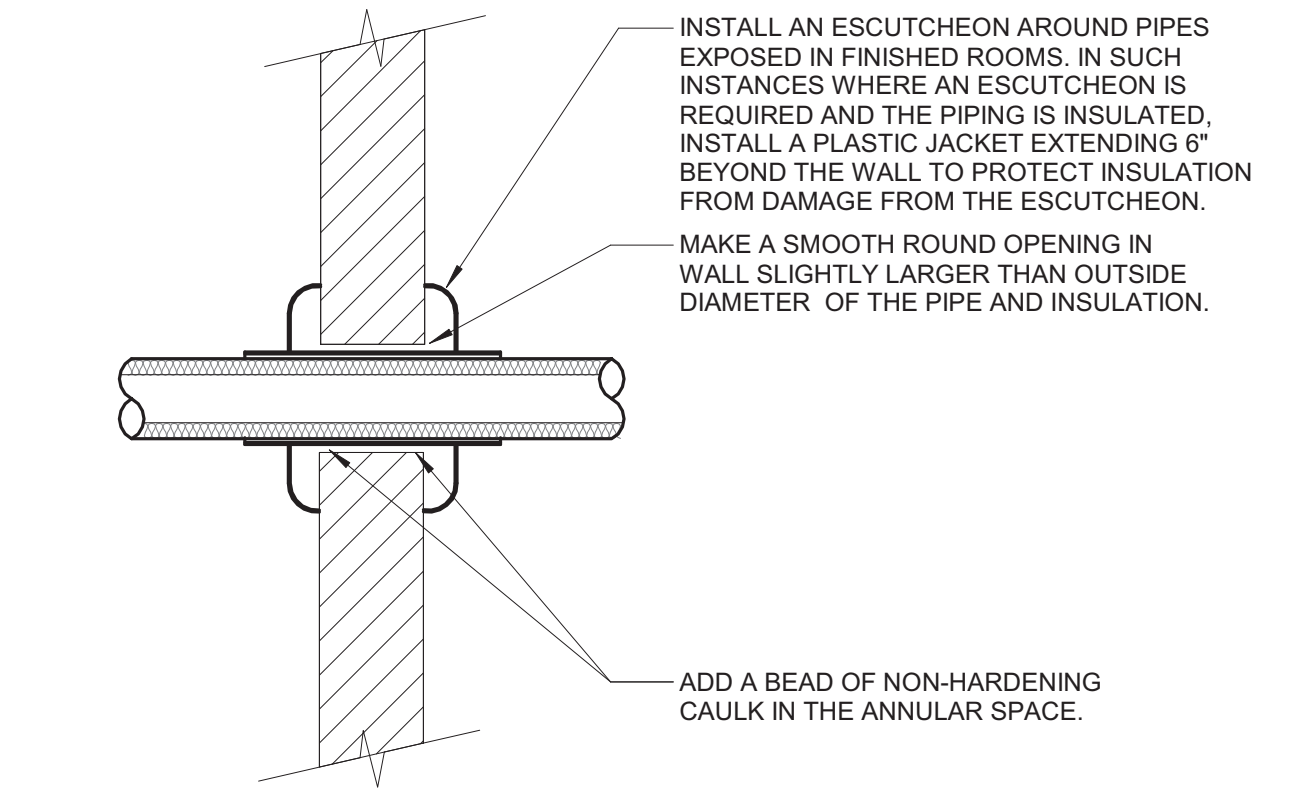
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3 SEISMIC RISER PIPING SUPPORT

NO SCALE
NOTES:

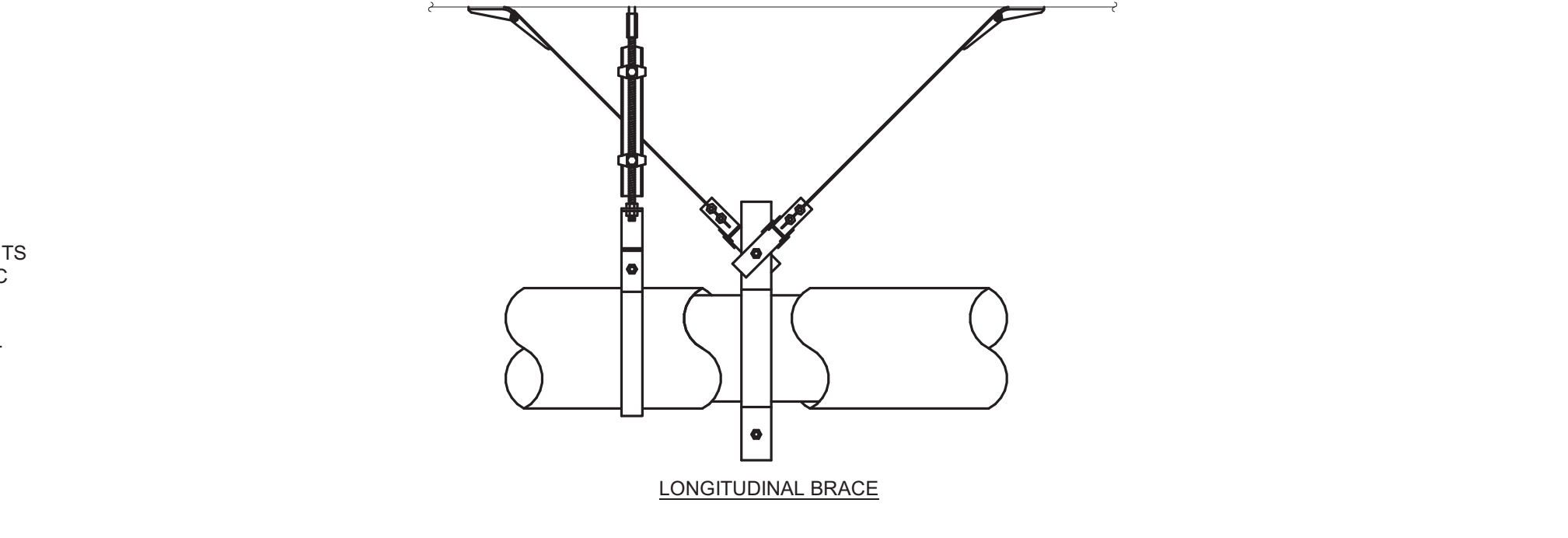
1. GENERAL REQUIREMENTS FOR SEISMIC RESTRAINT OF PIPING ARE SHOWN. SPECIFIC REQUIREMENTS, INCLUDING ATTACHMENT TO BUILDING STRUCTURE, SHALL BE DETERMINED BY THE SEISMIC RESTRAINT DESIGNER. REFER TO SPECIFICATION SECTION 21 05 50 - FIRE SUPPRESSION, SECTION 22 05 50 - PLUMBING, SECTION 23 05 50 - HVAC FOR REQUIREMENTS.



6 PIPE THROUGH NON-FIRE RATED WALL

NO SCALE
NOTES:

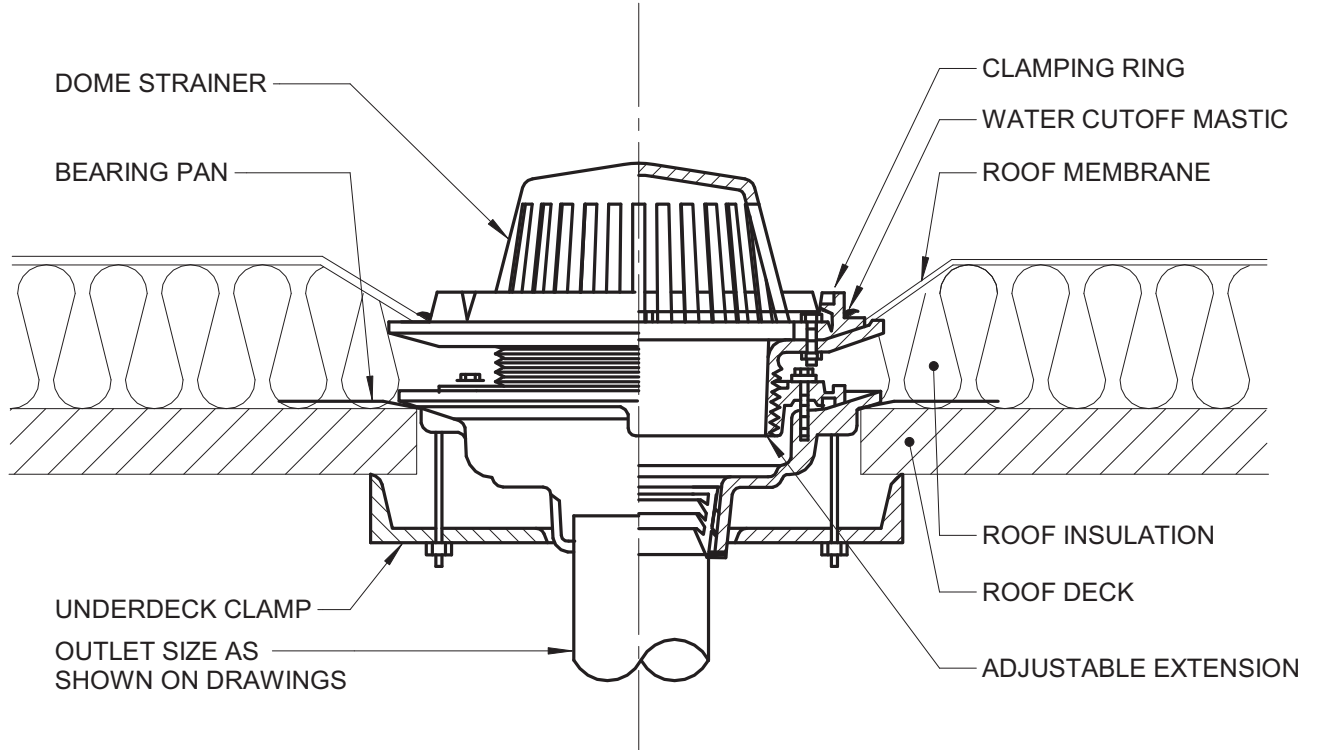
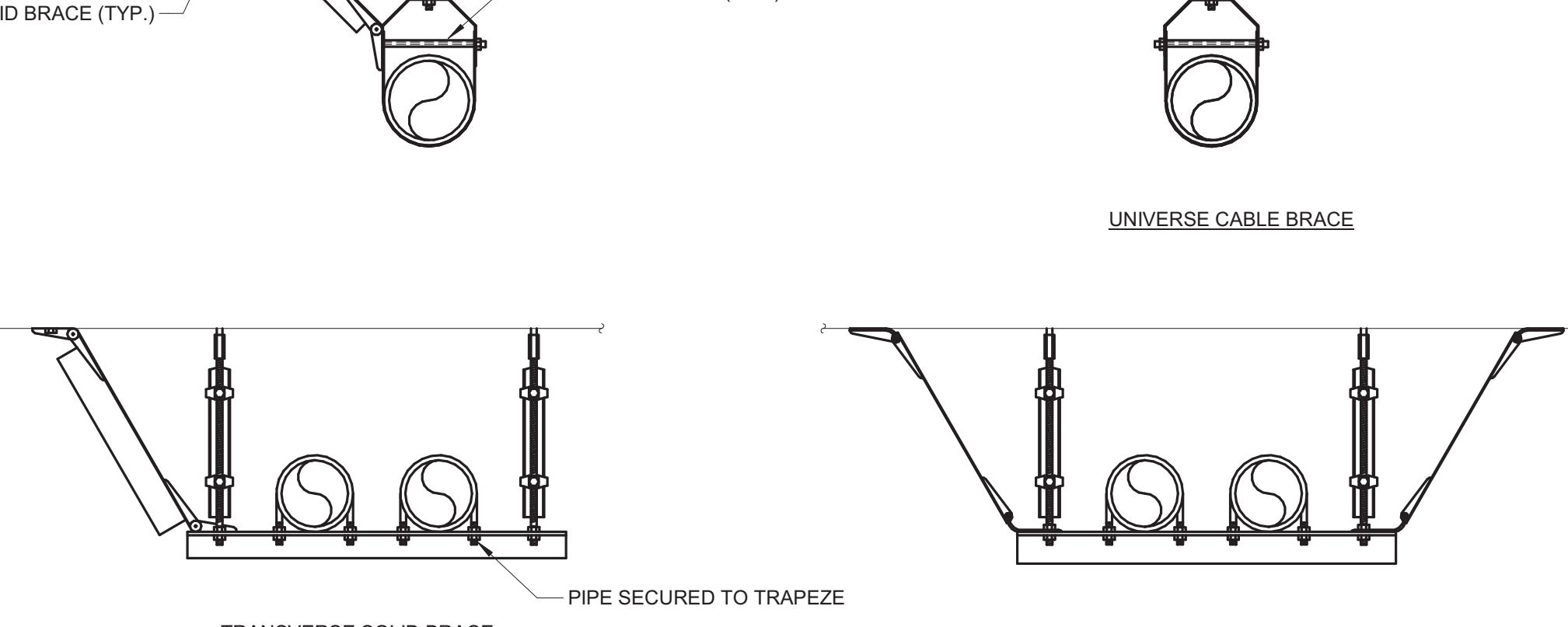
1. THIS DETAIL APPLIES TO ALL PIPES. THE INTENTION IS TO CONTINUE THE INSULATION AND VAPOR BARRIER THROUGH ALL PENETRATIONS. PERMIT THERMAL EXPANSION WITHOUT DAMAGING INSULATION, AND TO SEAL AIR TIGHT AROUND INSULATED AND UNINSULATED PIPES FOR NOISE TRANSMISSION CONTROL.
2. FLOOR OPENINGS ARE SIMILAR SEE SPECIFICATION SECTION 23 05 29 FOR DIFFERENCES BETWEEN FLOOR AND WALL PENETRATIONS.
3. SEE SPECIFICATION SECTION 23 05 03 AND SECTION 23 05 29 FOR ADDITIONAL INFORMATION.



7 SEISMIC BRACING OF SUSPENDED PIPING

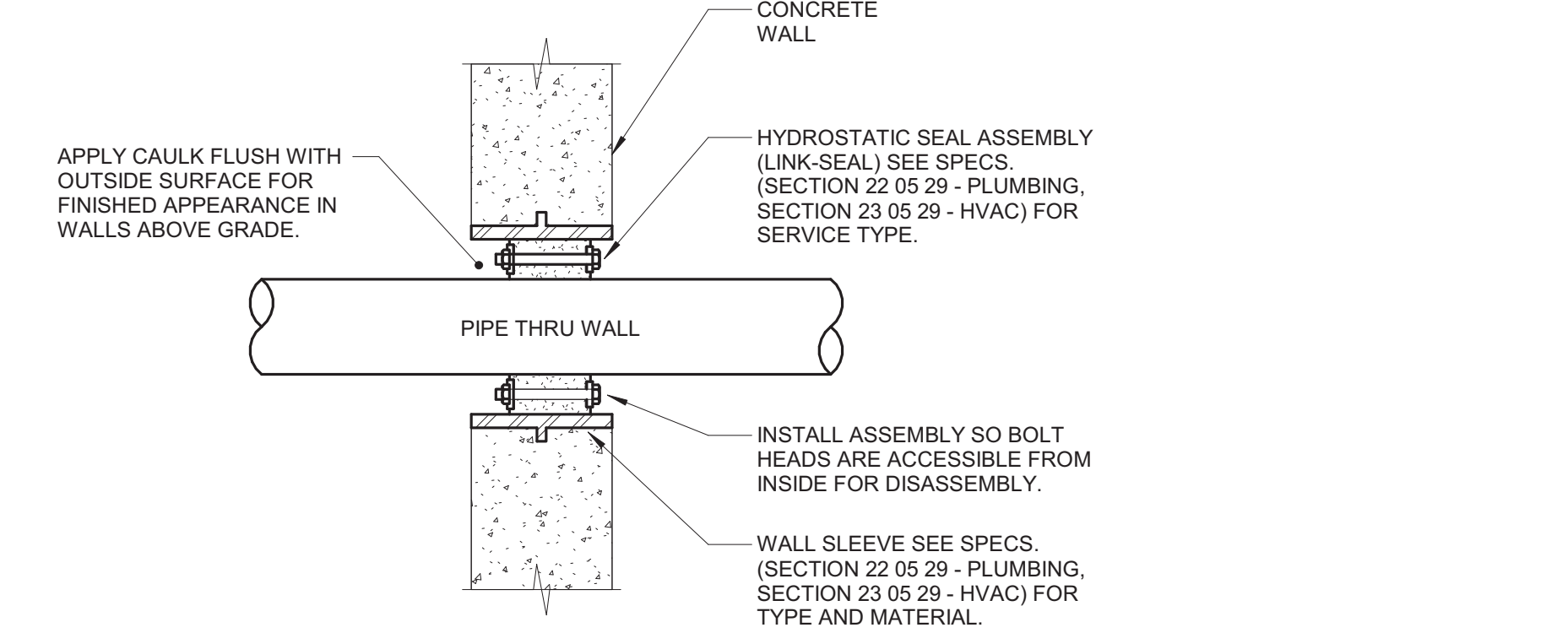
NO SCALE
NOTES:

1. GENERAL REQUIREMENTS FOR TRANSVERSE AND LONGITUDINAL BRACING OF PIPES ARE SHOWN. SPECIFIC REQUIREMENTS, INCLUDING ATTACHMENT TO BUILDING STRUCTURE, SHALL BE DETERMINED BY THE SEISMIC RESTRAINT DESIGNER. REFER TO SPECIFICATION SECTION 21 05 50 - FIRE SUPPRESSION, SECTION 22 05 50 - PLUMBING, SECTION 23 05 50 - HVAC FOR REQUIREMENTS.
2. REFER TO GENERAL PIPE SUPPORT DETAIL AND SPECIFICATION SECTION 22 05 29 - PLUMBING, SECTION 23 05 29 - HVAC FOR INSULATED PIPING CONSIDERATIONS.



10 ROOF DRAIN DETAIL

NO SCALE



11 EXTERIOR WALL PENETRATION

NO SCALE
NOTES:

1. CONTRACTOR MAY FABRICATE PIPE SLEEVE.
2. SEAL SELECTION BASED ON O.D. OF PIPE THRU WALL AND I.D. OF SLEEVE.
3. SLEEVE NOT REQUIRED FOR CORE DRILLED PENETRATIONS.

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ERIC J. ANDERSON
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05/28/21

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Drawing Title
PLUMBING DETAILS
Approved: _____

Phase
100% CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED

Project Title
NWIHCS - CONSTRUCT AIR HANDLING TOWER
Location
OMAHA, NE
Issue Date
05/28/21
Checked
RYALEP
Drawn
DELLE

Project Number
636-18-303
Building Number
1
Drawing Number
P300

BID SET

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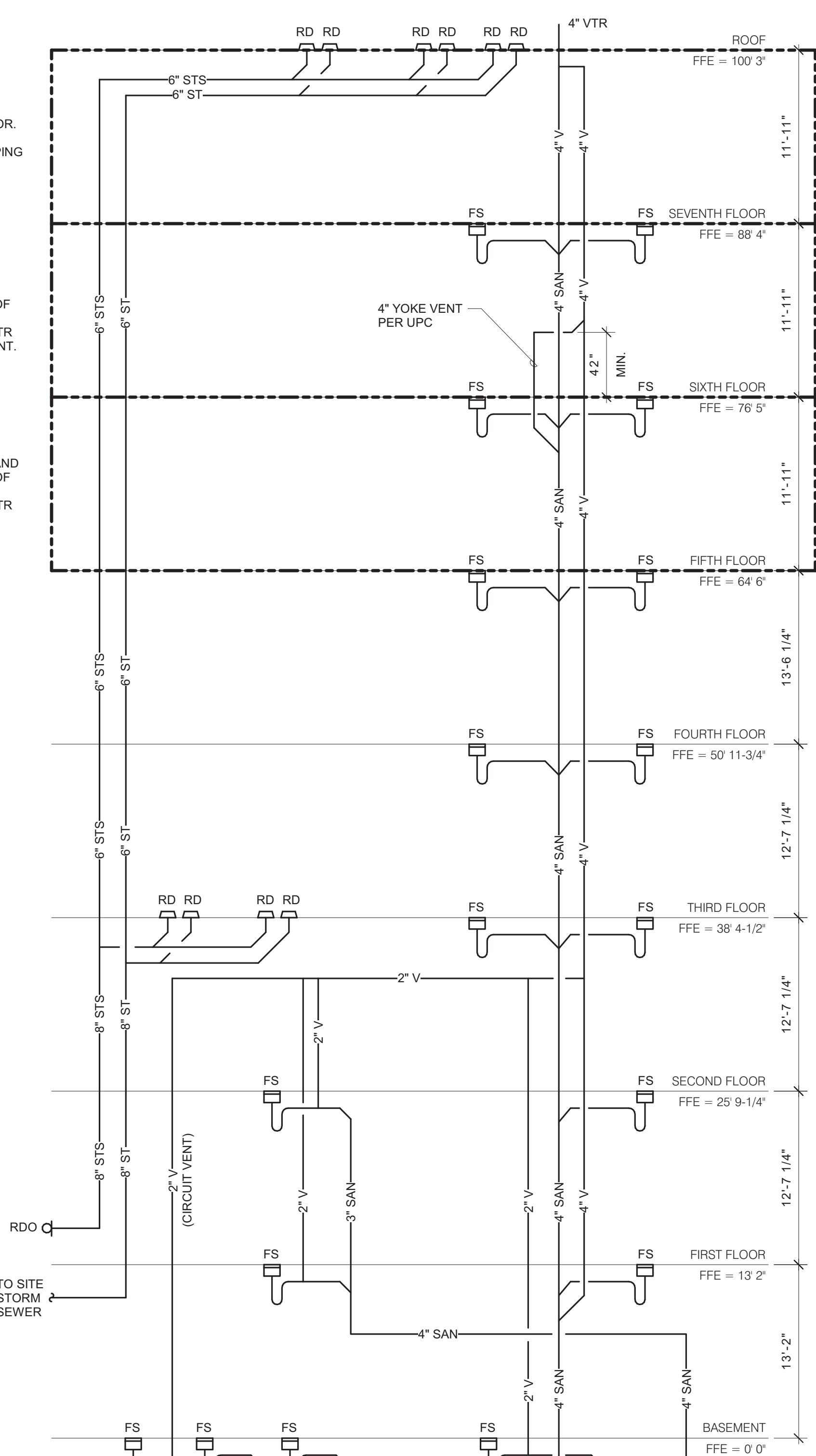
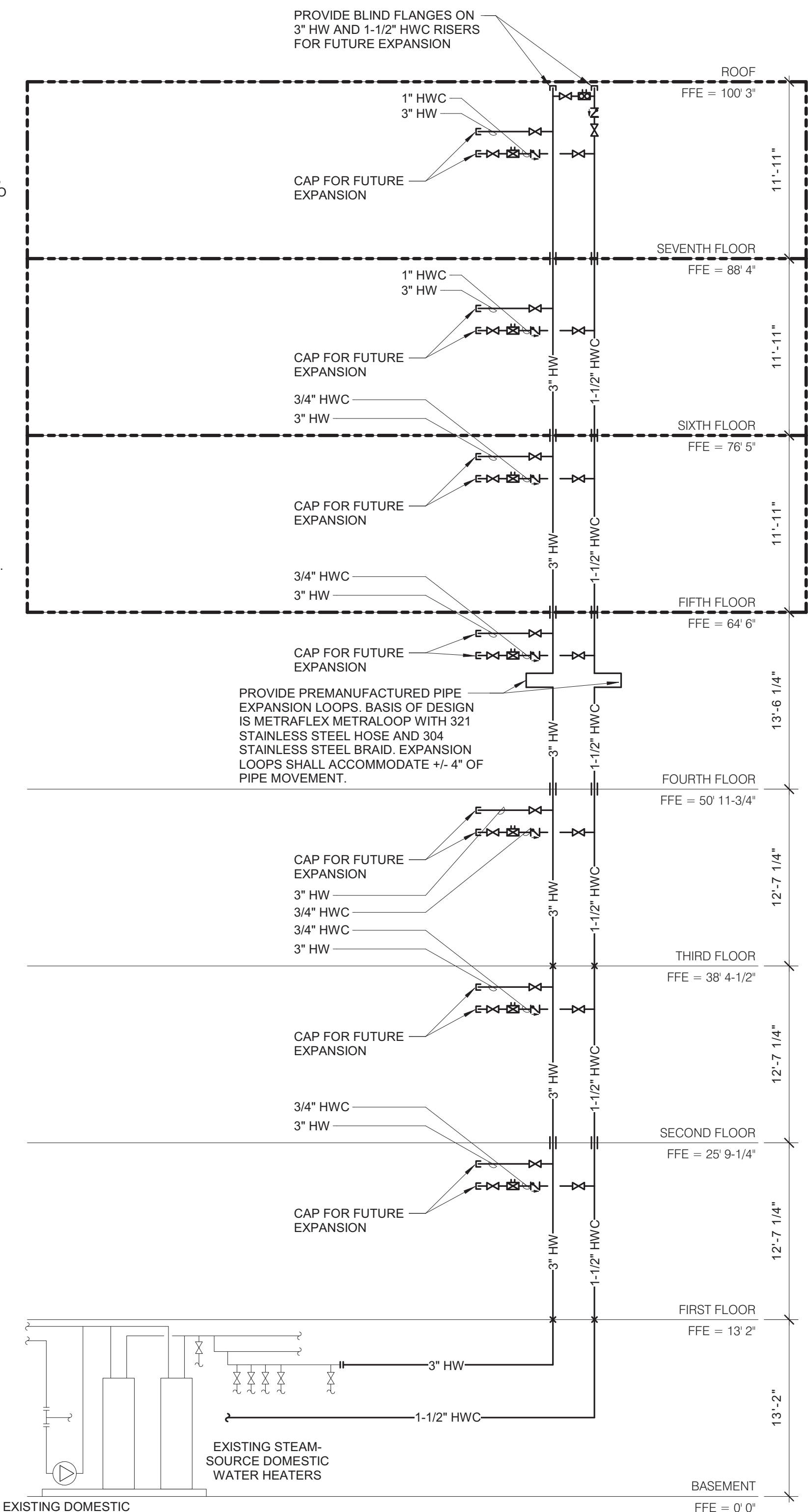
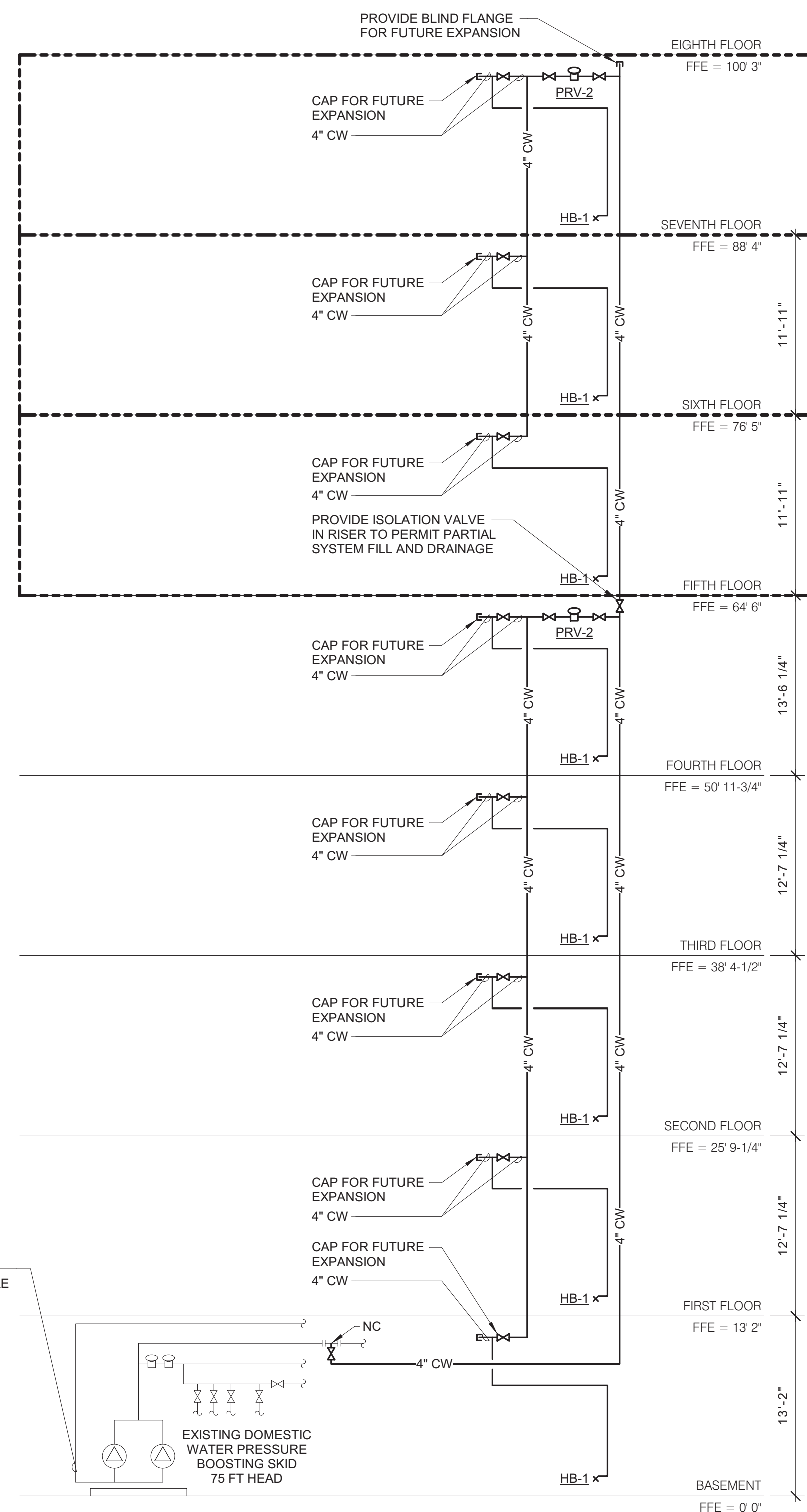
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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
PLUMBING FLOW DIAGRAMS

Approved:

Phase
100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
NWIHCS - CONSTRUCT AIR HANDLING TOWER

Location
OMAHA, NE

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Checked
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DELLE

Project Number
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Building Number
1

Drawing Number
P400

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