

A B C D E F

### VIEW KEY

NAME → LEVEL NAME  
10' - 0" → HEIGHT ABOVE PROJECT 0' - 0"

INDICATES DIRECTION OF TRUE NORTH

PLAN OR DETAIL NUMBER

PLAN OR DETAIL NAME

1/8" = 1'-0" → PLAN OR DETAIL SCALE

INDICATES SIMILAR DETAIL REFERENCED IN MULTIPLE LOCATIONS

DETAIL REFERRED TO BY SECTION CUT

M101 → SHEET DETAIL IS LOCATED ON

INDICATES SIMILAR DETAIL REFERENCED IN MULTIPLE LOCATIONS

DETAIL REFERRED TO BY ELEVATION

T101 → SHEET DETAIL IS LOCATED ON

LINE TYPE AND TAG KEY:

NEW WORK BY THIS CONTRACTOR (DARK SOLID LINE)

NEW WORK UNDERFLOOR OR UNDERGROUND BY THIS CONTRACTOR (DARK LONG DASHED LINE)

NEW WORK BY OTHERS AND/OR EXISTING TO REMAIN (LIGHT SOLID LINE)

EXISTING TO BE REMOVED BY THIS CONTRACTOR (DARK SHORT DASHED LINE)

\*TAG-'E' TAGS WITH DASH 'E' INDICATES THE REFERENCED OBJECT IS EXISTING

### CONTRACTOR ABBREVIATION KEY

ABBR:	DESCRIPTION:
A.C.	ASBESTOS ABATEMENT CONTRACTOR
C.C.	CIVIL CONTRACTOR
C.O.R.	CONTRACTING OFFICER'S REPRESENTATIVE
E.C.	ELECTRICAL CONTRACTOR
F.P.C.	FIRE PROTECTION CONTRACTOR
G.C.	GENERAL CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
T.C.	TECHNOLOGY CONTRACTOR
T.C.C.	TEMPERATURE CONTROLS CONTRACTOR

### TECHNOLOGY SYMBOL LIST

SYMBOL:	EQUIPMENT LIST ABBREVIATION:	DESCRIPTION:	NOTE:
WAP	SC-IO-C	CEILING INFORMATION OUTLET, DATA COMMUNICATION ONLY, WIRELESS ACCESS POINT	1.
CCTV	VS-CAM	VIDEO SURVEILLANCE CAMERA WITH LENS, WALL MOUNT, OR CEILING MOUNT	2.
CSS	N/A	CONTROLLED SECURITY SCHEME SCHEDULE IDENTIFIER	4.
#	AC-CR1	CARD ACCESS READER, LETTER INDICATES AS FOLLOWS: M = MOUNT C = CEILING D = DESK F = FLUSH H = HIDDEN M = MULLION P = PEDESTAL R = RACK S = SURFACE W = WALL T = TECHNOLOGY TYPE B = BARCODE F = ELEVATOR FLOOR CALL H = ELEVATOR HALL CALL M = MAG STRIP P = PROXIMITY S = SMART CARD T = TOKEN	3.
WIDTH X HEIGHT		CABLE TRAY, CHANNEL TRAY, BASKET TRAY	
WIDTH X HEIGHT		LADDER RACK	
DIAMETER @ C		CONDUIT	
→		CONDUIT DOWN	
○		CONDUIT UP OR UP/DOWN	
E →		CONDUIT SLEEVE	
⋮		CONTINUATION	

- ### GENERAL NOTES:
- ALL SYMBOLS AND ABBREVIATIONS LISTED MAY NOT BE APPLICABLE TO THIS PROJECT. REFER TO THE GENERAL TECHNOLOGY EQUIPMENT SCHEDULE FOR MORE COMPLETE DESCRIPTION AND ITEMS.
  - ALL SYMBOLS AND ABBREVIATIONS REFER TO TECHNOLOGY SHEETS ONLY AS DEFINED ON THE SHEET INDEX. REFER TO THE GENERAL TECHNOLOGY NOTES FOR ADDITIONAL INFORMATION.
  - ALL SYMBOLS LISTED ABOVE ARE FOR REFERENCE ONLY. REFER TO PLANS AND LINE TYPE KEY FOR NEW, EXISTING TO REMAIN AND TO BE REMOVED ITEMS FOR ADDITIONAL INFORMATION. REFER TO RISERS ON SHEET : T300
- ### TECHNOLOGY SYMBOL NOTES:
- INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION FOR OWNER PROVIDED ACCESS POINT. REFER TO INFORMATION OUTLET SCHEDULE ON T500 FOR ADDITIONAL INFORMATION.
  - NEW CAMERA LOCATION ADDED TO EXISTING SYSTEM. REFER TO GENERAL TECHNOLOGY EQUIPMENT SCHEDULE ON T500 FOR ADDITIONAL INFORMATION.
  - SYMBOL SUBSCRIPT INDICATES CREDENTIAL DEVICE TYPE. REFER TO GENERAL TECHNOLOGY EQUIPMENT SCHEDULE ON T500 FOR ADDITIONAL INFORMATION.
  - REFER TO CONTROLLED SECURITY SCHEME (CSS) TYPE SCHEDULE ON T500 FOR ADDITIONAL INFORMATION.

### TECHNOLOGY ABBREVIATION KEY

ABBR:	DESCRIPTION:
AFF	ABOVE FINISHED FLOOR
BFC	BELOW FINISHED CEILING
C	CONDUIT
J-BOX	JUNCTION BOX
SIM	SIMILAR
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
+#	MOUNTING HEIGHT ABOVE FINISHED FLOOR
EF-#	ENTRANCE FACILITY
MC-#	MAIN CROSS-CONNECT
TR-#	TELECOMMUNICATIONS ROOM

### SUGGESTED MATRIX OF RESPONSIBILITY

ITEM:	SHOWN ON:	FURNISHED BY:	INSTALLED BY:	NOTES:
TECHNOLOGY ROUGH-IN. REFER TO GENERAL TECHNOLOGY EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR DEFINITION	T-SERIES	E.C.	E.C.	3, 4.
INFORMATION OUTLET FACEPLATES, JACKS, AND TERMINATIONS	T-SERIES	T.C.	T.C.	
CONDUIT SLEEVES (WHEN SHOWN ON DRAWINGS)	T-SERIES	E.C.	E.C.	
CONDUIT SLEEVES (NOT SHOWN BUT REQUIRED FOR PROPER INSTALLATION OF SYSTEM)	N/A	T.C.	T.C.	2, 4.
TELECOMMUNICATION SYSTEMS ROUGH-IN	T-SERIES	E.C.	E.C.	1.
TELECOMMUNICATION EQUIPMENT, CABLING, AND TERMINATIONS	T-SERIES	T.C.	T.C.	
LINE VOLTAGE POWER (+120V OR GREATER)	E-SERIES	E.C.	E.C.	
LINE VOLTAGE POWER (NOT SHOWN BUT REQUIRED FOR PROPER INSTALLATION OF SYSTEM)	N/A	T.C.	E.C.	2, 4.
LINE VOLTAGE POWER FOR DOOR HARDWARE POWER SUPPLIES	ARCH SPEC	E.C.	E.C.	
LOW VOLTAGE CABLING FOR TECHNOLOGY SYSTEMS	T-SERIES	T.C.	T.C.	
CABLE HANGERS AND SUPPORTS OR OTHER CABLE ROUTING METHODS (OTHER THAN CONDUIT AND CABLE TRAY)	T-SERIES	T.C.	T.C.	5.

- ### SUGGESTED MATRIX OF RESPONSIBILITY NOTES
- LOCATIONS OF TELECOMMUNICATIONS ROUGH-INS SHALL BE INDICATED BY THE INFORMATION OUTLET SYMBOLS ON THE DRAWINGS. REFER TO THE TECHNOLOGY SYMBOL LIST FOR ADDITIONAL INFORMATION.
  - BASED ON THE INHERENT DIFFERENCES IN PRODUCTS FROM VARIOUS MANUFACTURERS. ALL REQUIRED EQUIPMENT MAY NOT BE SHOWN ON THE DRAWINGS FOR ALL ACCEPTABLE MANUFACTURERS.
  - INCLUDES BACKBOXES AND CONDUIT REQUIRED FOR THE TECHNOLOGY SYSTEMS INSTALLATION. THE E.C. SHALL BASE THE BID ON THE BASIS OF DESIGN SHOWN ON THE CONTRACT DOCUMENTS.
  - ALL CHANGES TO THE SLEEVES, BACKBOXES, CONDUITS, AND POWER REQUIRED BECAUSE OF THE T.C.'S SELECTION OF AN ALTERNATE ACCEPTABLE MANUFACTURER OR FROM SYSTEM CONFIGURATIONS THAT ARE LEFT TO THE CHOICE OF THE CONTRACTOR SHALL BE INCLUDED IN THE T.C.'S BID. THIS BID SHALL INCLUDE INSTALLATION BY A LICENSED ELECTRICIAN.
  - UNLESS TRADE RULES DICTATE OTHERWISE.

- ### TECHNOLOGY GENERAL NOTES:
- ###/### INDICATES GENERAL TECHNOLOGY EQUIPMENT SCHEDULE ITEM LABELED AS "EQUIPMENT LIST ABBREVIATION"
  - REFER TO GENERAL TECHNOLOGY EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR FULL DESCRIPTIONS AND MANUFACTURERS OF ALL DEVICES.
- TECHNOLOGY MOUNTING SUBSCRIPT KEY:
- A MOUNT AT +# TO CENTERLINE ABOVE COUNTER OR BACKSLASH
  - H MOUNT ORIENTED HORIZONTALLY
  - L MOUNT IN CASEWORK
  - M MOUNT IN MODULAR FURNITURE
  - S MOUNT IN SURFACE RACEWAY
- A SLASH IS USED BETWEEN TWO SUBSCRIPTS, E.G., AH.

- ### TECHNOLOGY INSTALLATION NOTES:
- THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE ADA STANDARDS FOR ACCESSIBLE DESIGN.
  - CONCEAL ALL CONDUIT IN WALLS, PARTITIONS, ABOVE CEILING, IN FLOOR SLAB, ETC. UNLESS OTHERWISE INDICATED ON THE PLANS OR IN THE SPECIFICATIONS. CONDUIT IN MECHANICAL ROOMS AND STORAGE ROOMS WITHOUT CEILINGS MAY BE EXPOSED ON BUILDING STRUCTURE.
  - BOXES LOCATED ON OPPOSITE SIDES OF NON-RATED WALLS SHALL BE OFFSET A MINIMUM OF 6" HORIZONTALLY. BOXES ON OPPOSITE SIDES OF FIRE RATED WALLS SHALL BE OFFSET A MINIMUM OF 24" HORIZONTALLY. "THRU-THE-WALL" BOXES SHALL NOT BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.
  - VERIFY ALL FURNITURE, MODULAR FURNITURE, AND EQUIPMENT LOCATIONS WITH ARCHITECTURAL PLANS, ELEVATIONS, AND REVIEWED SHOP DRAWINGS. PRIOR TO MAKING THE ACTUAL TELECOMMUNICATIONS INSTALLATION, ADJUST OUTLETS OR CONNECTION LOCATIONS TO ACCOMMODATE FURNITURE AND/OR EQUIPMENT.
  - TELECOMMUNICATIONS EQUIPMENT SHALL BE MOUNTED TO ALLOW ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF TELECOMMUNICATION DEVICES ON EQUIPMENT SUPPLIES BY ANOTHER CONTRACTOR SHALL BE APPROVED IN ADVANCE BY THE OTHER CONTRACTOR.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS REQUIRED IN WALLS. ALL OPENINGS SHALL BE REPAIRED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. ALL CONDUITS THROUGH WALLS SHALL BE GROUTED OR SEALED INTO OPENINGS.
  - ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOORS SHALL BE TESTED AND CERTIFIED AS A SYSTEM PER ASTM E814 STANDARDS FOR FIRE TESTS OF THROUGH-PENETRATION FIRESTOPS. REFER TO DIVISION 7 FOR ADDITIONAL INFORMATION AND REQUIREMENTS SPECIFIC TO FIRESTOPPING.

- ### TECHNOLOGY PHASING NOTES
- THE EXISTING SYSTEMS TO REMAIN OPERATIONAL DURING THE INSTALLATION OF THE NEW SYSTEMS. THE SYSTEM SHALL NOT BE DISRUPTED UNLESS COORDINATED IN ADVANCE WITH THE OWNER AND ENGINEER AND AT THEIR DISCRETION ON DATE AND TIME.

### TECHNOLOGY SHEET INDEX

T000	TECHNOLOGY COVER SHEET
T100	BASEMENT PLAN - TECHNOLOGY
TD101	FIRST LEVEL FLOOR DEMOLITION - TECHNOLOGY
T101	FIRST LEVEL FLOOR PLAN - TECHNOLOGY
T102	SECOND LEVEL FLOOR PLAN - TECHNOLOGY
T103	THIRD LEVEL FLOOR PLAN - TECHNOLOGY
T104	FOURTH LEVEL FLOOR PLAN - TECHNOLOGY
T105	FIFTH LEVEL FLOOR PLAN - TECHNOLOGY
T106	SIXTH LEVEL FLOOR PLAN - TECHNOLOGY
T107	SEVENTH LEVEL FLOOR PLAN - TECHNOLOGY
T108	EIGHTH LEVEL FLOOR PLAN - TECHNOLOGY
T300	TECHNOLOGY DETAILS & RISERS
T500	TECHNOLOGY SCHEDULES
GRAND TOTAL: 13	

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Office of Construction and Facilities Management

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Drawing Title

TECHNOLOGY COVERSHEET

Approved:

Phase

100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title

NWIHCS - CONSTRUCT AIR HANDLING TOWER

Location

OMAHA, NE

Issue Date

05/28/21

Checked

DAVLAR

Drawn

DAMDEE

Project Number

636-18-303

Building Number

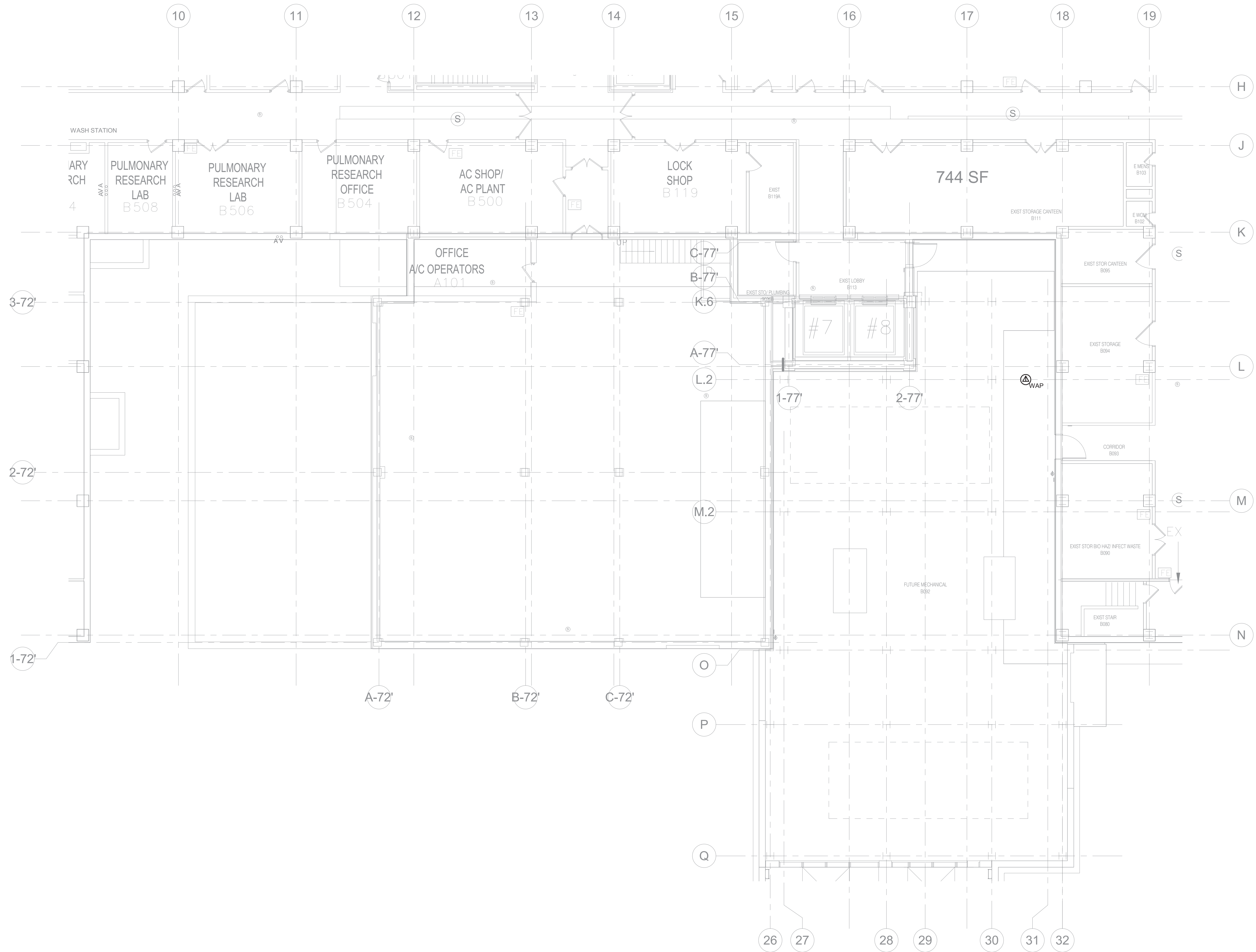
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Drawing Number

T000

BID SET





**1** BASEMENT PLAN - TECHNOLOGY  
1/8" = 1'-0"

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KRISTEN SPINA  
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IOWA  
05/21/2021

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BASEMENT PLAN - TECHNOLOGY

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Phase  
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NWIHCS - CONSTRUCT AIR HANDLING TOWER

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DAVLAR

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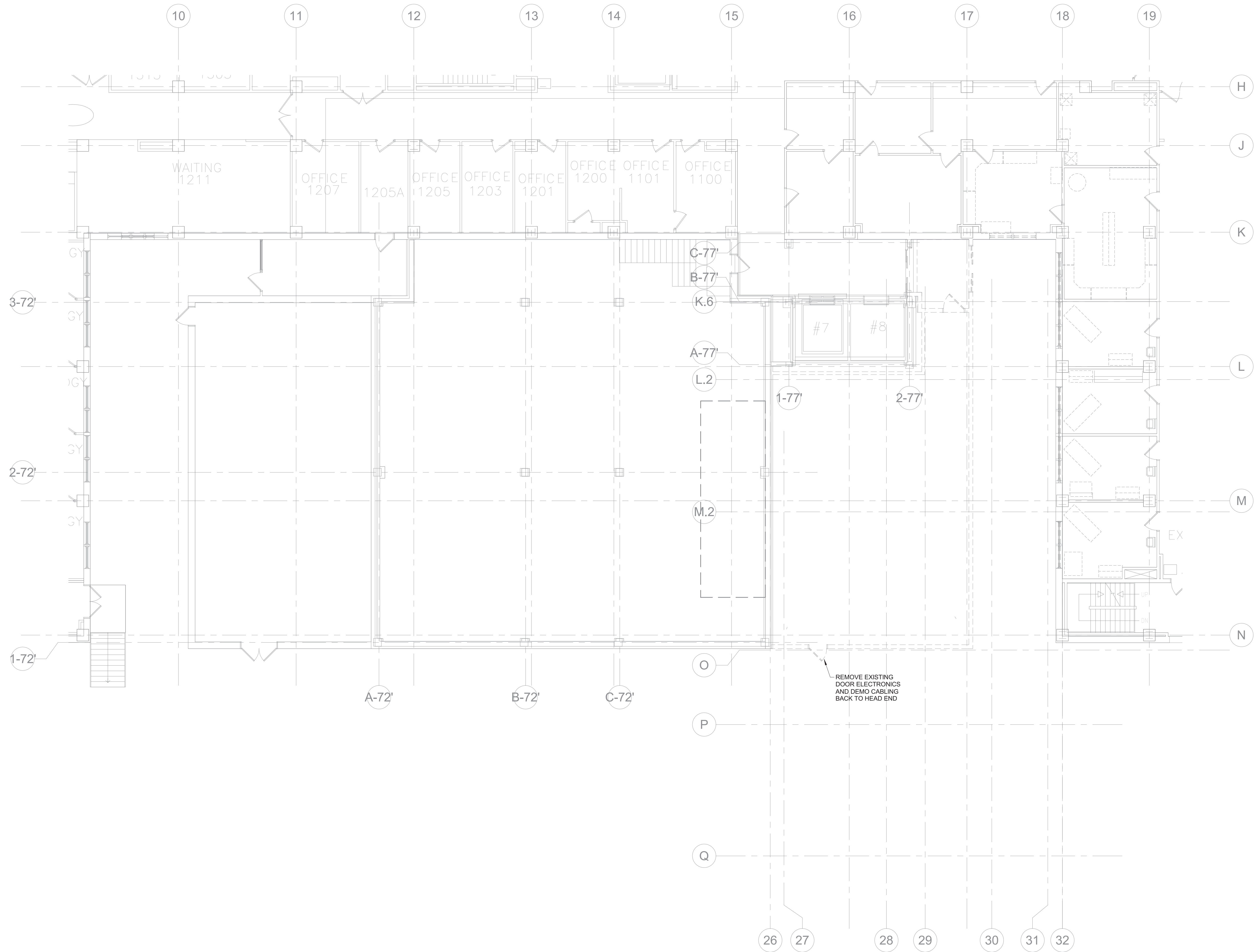
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Building Number  
1

Drawing Number  
T100

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

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Drawing Title  
**FIRST LEVEL FLOOR DEMOLITION - TECHNOLOGY**

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Phase  
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Project Title  
**NWIHCS - CONSTRUCT AIR HANDLING TOWER**

Location  
**OMAHA, NE**

Issue Date  
**05/28/21**

Checked  
**DAVLAR**

Drawn  
**DAMDEE**

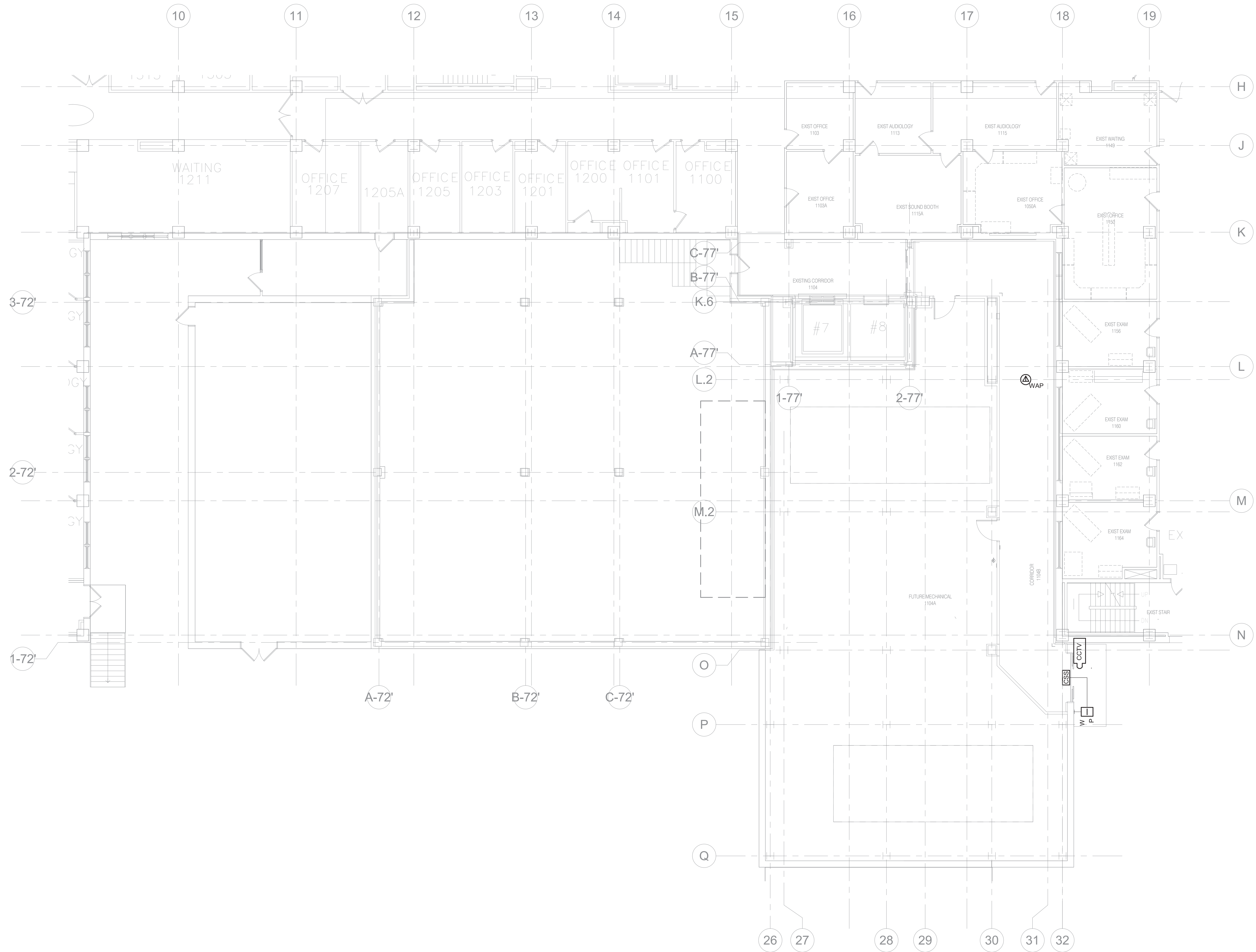
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Building Number  
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Drawing Number  
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**1** FIRST LEVEL FLOOR PLAN - TECHNOLOGY  
1/8" = 1'-0"

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**FIRST LEVEL FLOOR PLAN - TECHNOLOGY**

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Location  
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Issue Date  
**05/28/21**

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**DAVLAR**

Drawn  
**DAMDEE**

Project Number  
**636-18-303**

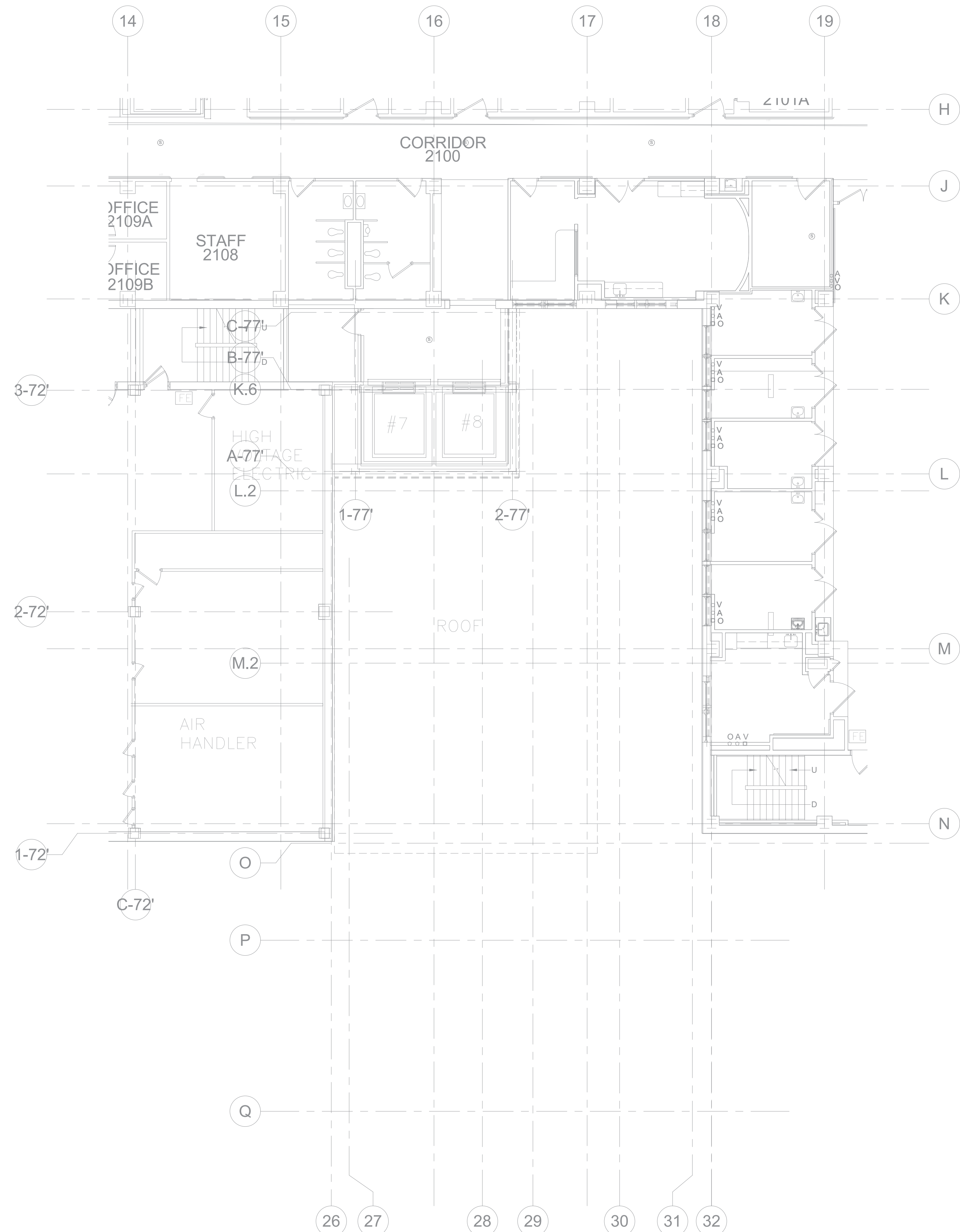
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Drawing Number  
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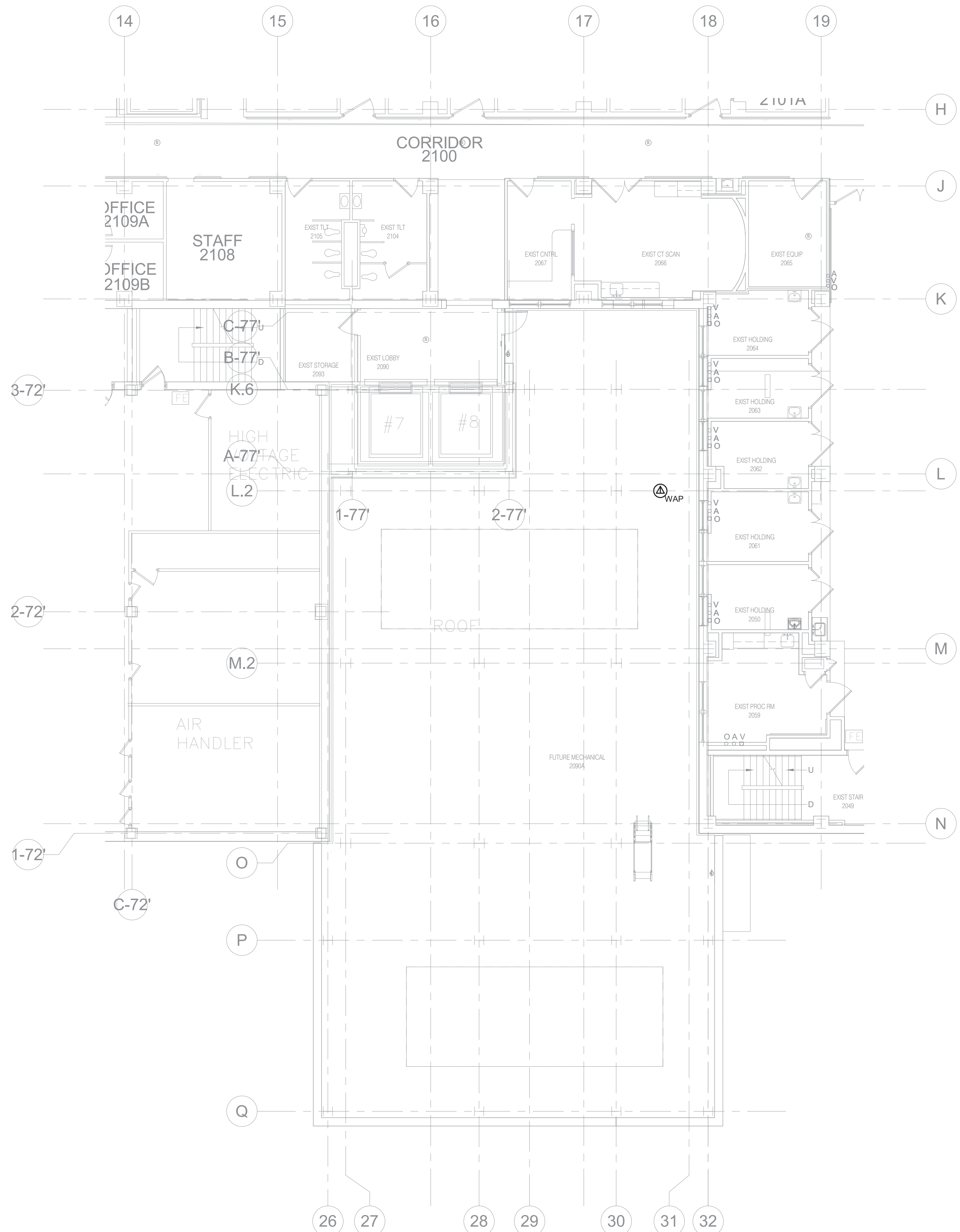
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**2 SECOND LEVEL FLOOR DEMOLITION - TECHNOLOGY**  
1/8" = 1'-0"



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

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**SECOND LEVEL FLOOR PLAN - TECHNOLOGY**

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**NWIHCS - CONSTRUCT AIR HANDLING TOWER**

Location  
**OMAHA, NE**

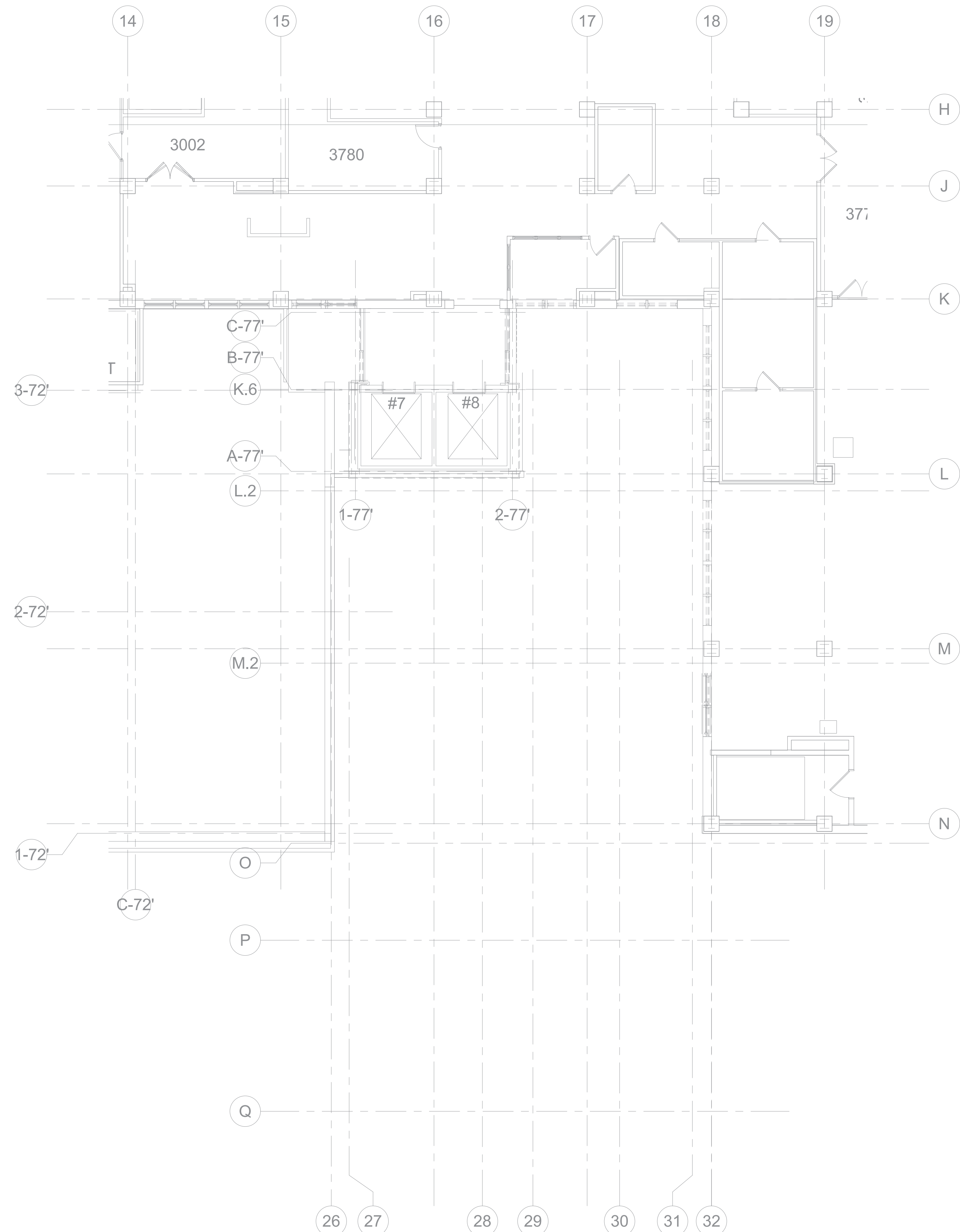
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Project Number  
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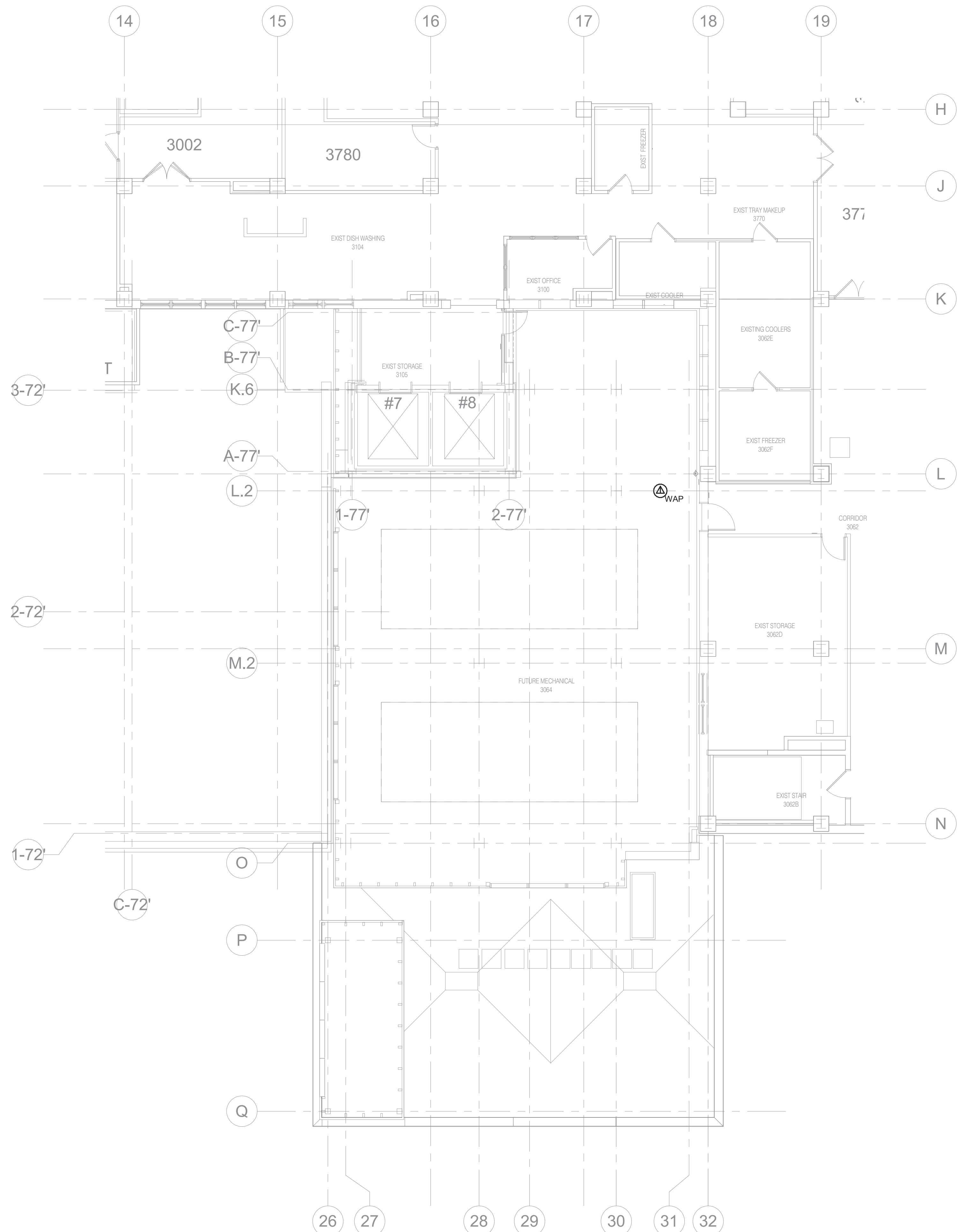
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Drawing Number  
**T102**

**BID SET**



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



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

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Drawing Title  
**THIRD LEVEL FLOOR PLAN - TECHNOLOGY**

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Project Title  
**NWIHCS - CONSTRUCT AIR HANDLING TOWER**

Location  
**OMAHA, NE**

Issue Date <b>05/28/21</b>	Checked <b>DAVLAR</b>	Drawn <b>DAMDEE</b>
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Project Number  
**636-18-303**

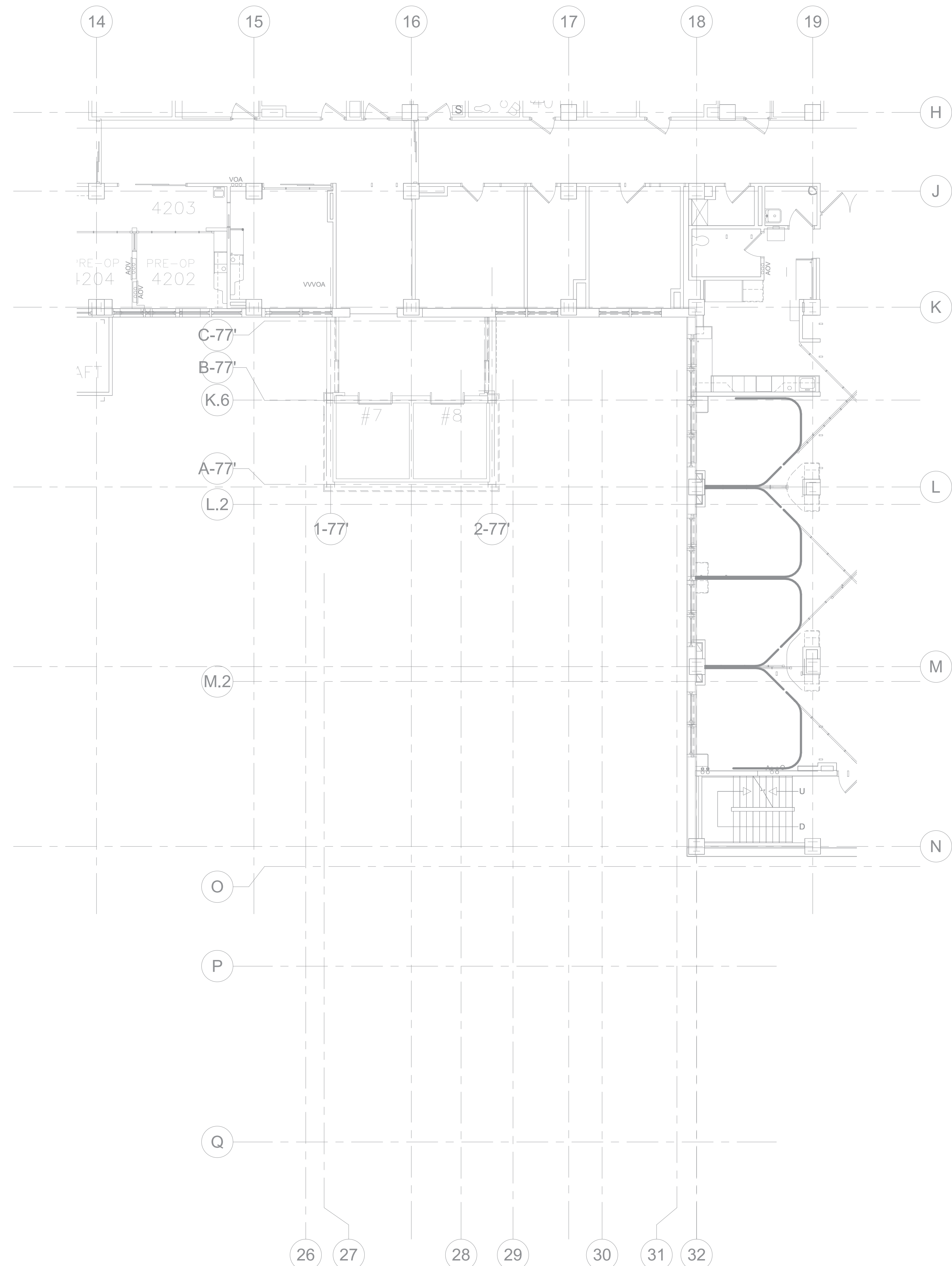
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Drawing Number  
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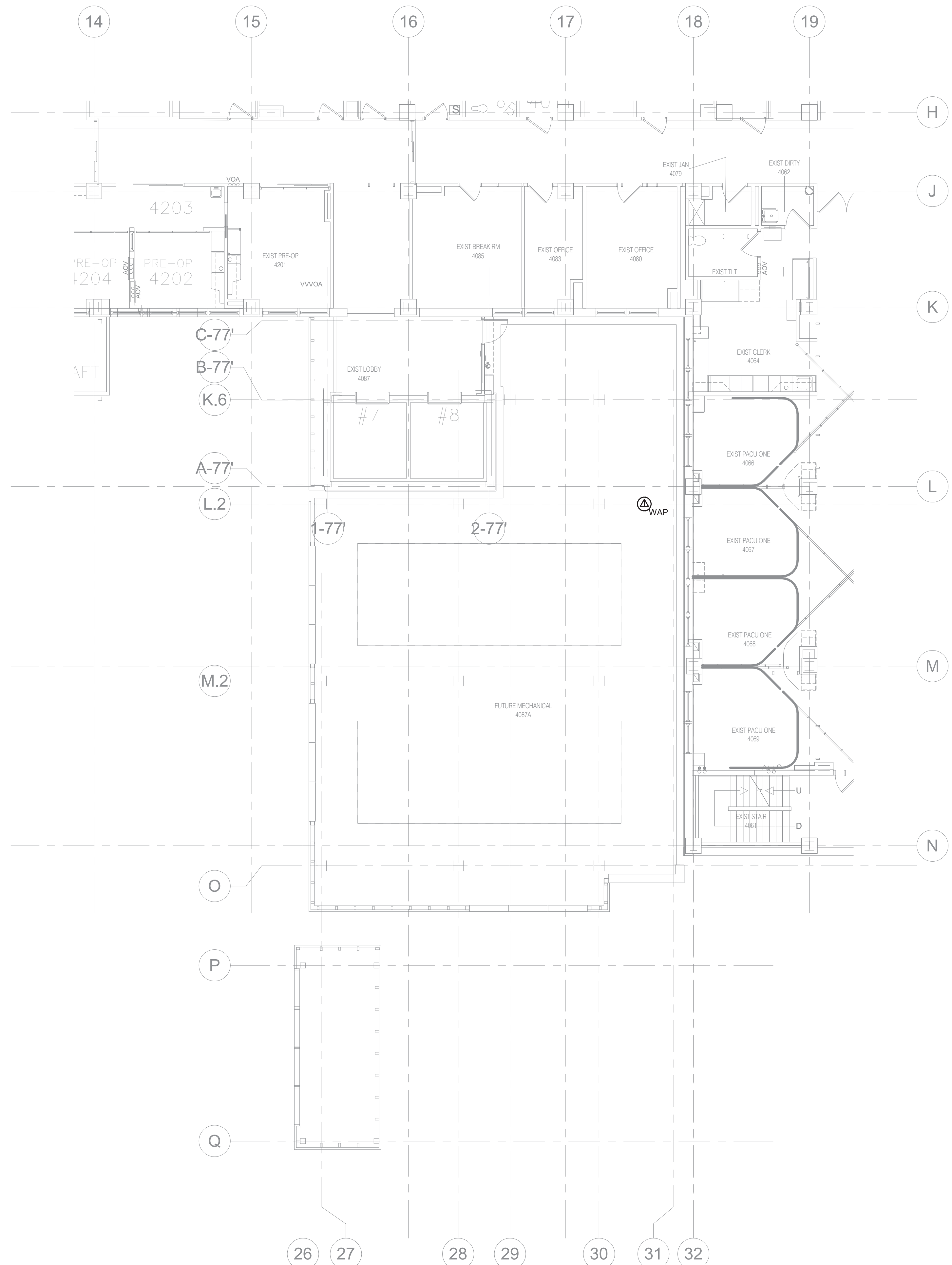
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**2** FOURTH LEVEL FLOOR DEMOLITION - TECHNOLOGY  
1/8" = 1'-0"



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

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

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Drawing Title  
**FOURTH LEVEL FLOOR PLAN - TECHNOLOGY**

Approved: \_\_\_\_\_

Phase  
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**FULLY SPRINKLERED**

Project Title  
**NWIHCS - CONSTRUCT AIR HANDLING TOWER**

Location  
**OMAHA, NE**

Issue Date  
**05/28/21**

Checked  
**DAVLAR**

Drawn  
**DAMDEE**

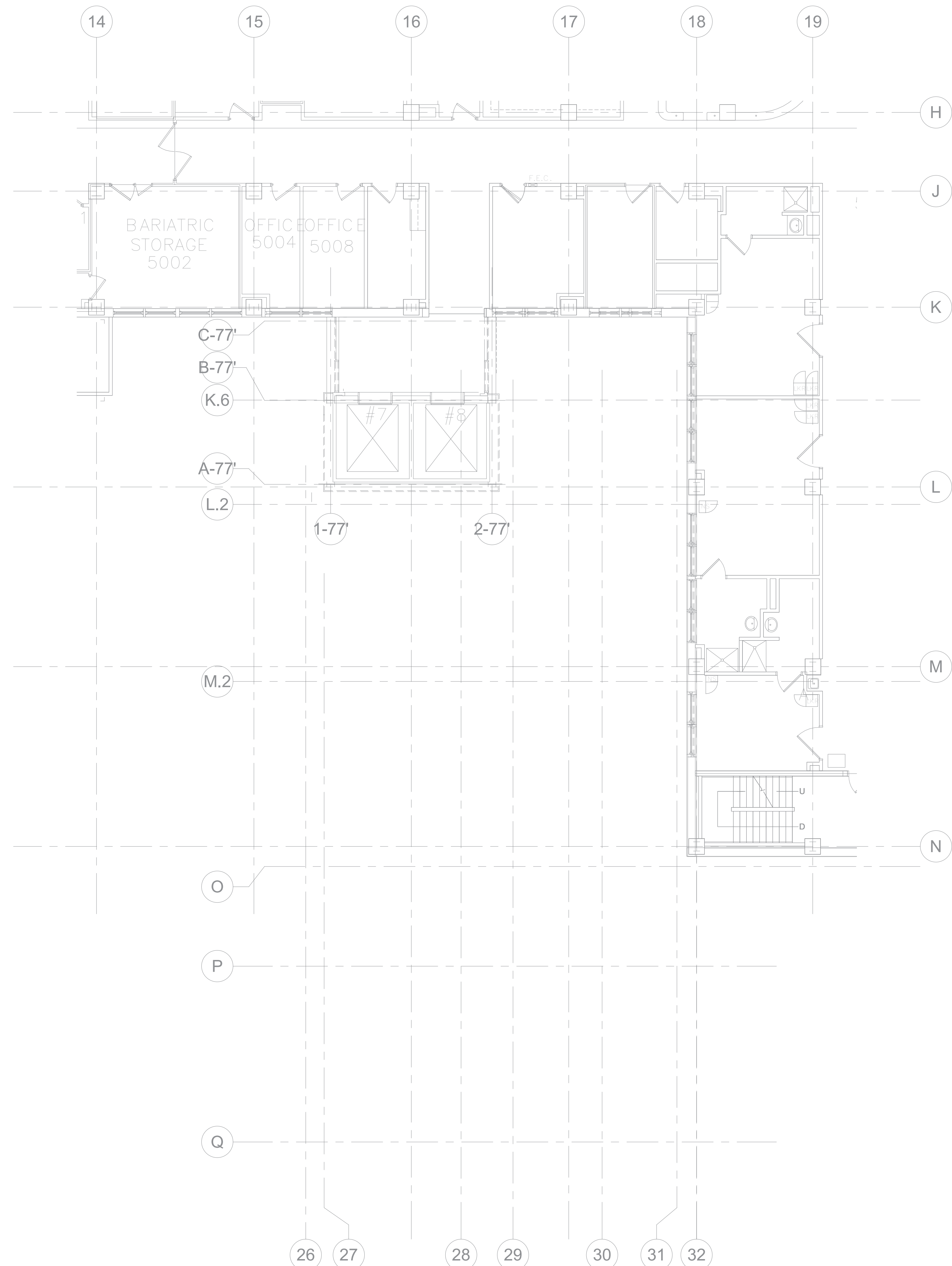
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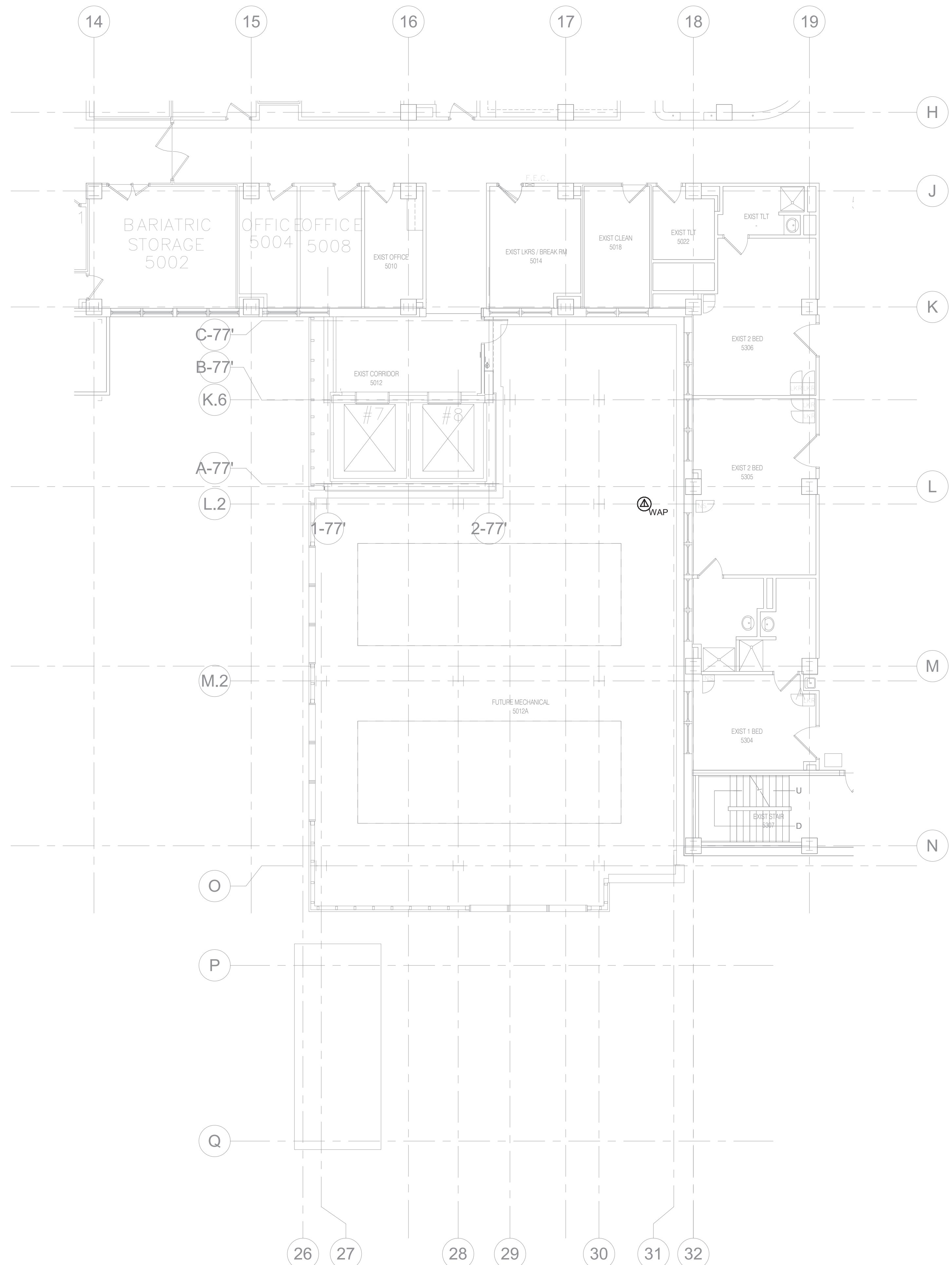
Drawing Number  
**T104**

**BID SET**

A  
B  
C  
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M  
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**2 FIFTH LEVEL FLOOR DEMOLITION - TECHNOLOGY**  
1/8" = 1'-0"



**1 FIFTH LEVEL FLOOR PLAN - TECHNOLOGY**  
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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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  
**FIFTH LEVEL FLOOR PLAN - TECHNOLOGY**

Approved: \_\_\_\_\_

Phase  
**100% CONSTRUCTION DOCUMENTS**

**FULLY SPRINKLERED**

Project Title  
**NWIHCS - CONSTRUCT AIR HANDLING TOWER**

Location  
**OMAHA, NE**

Issue Date  
**05/28/21**

Checked  
**DAVLAR**

Drawn  
**DAMDEE**

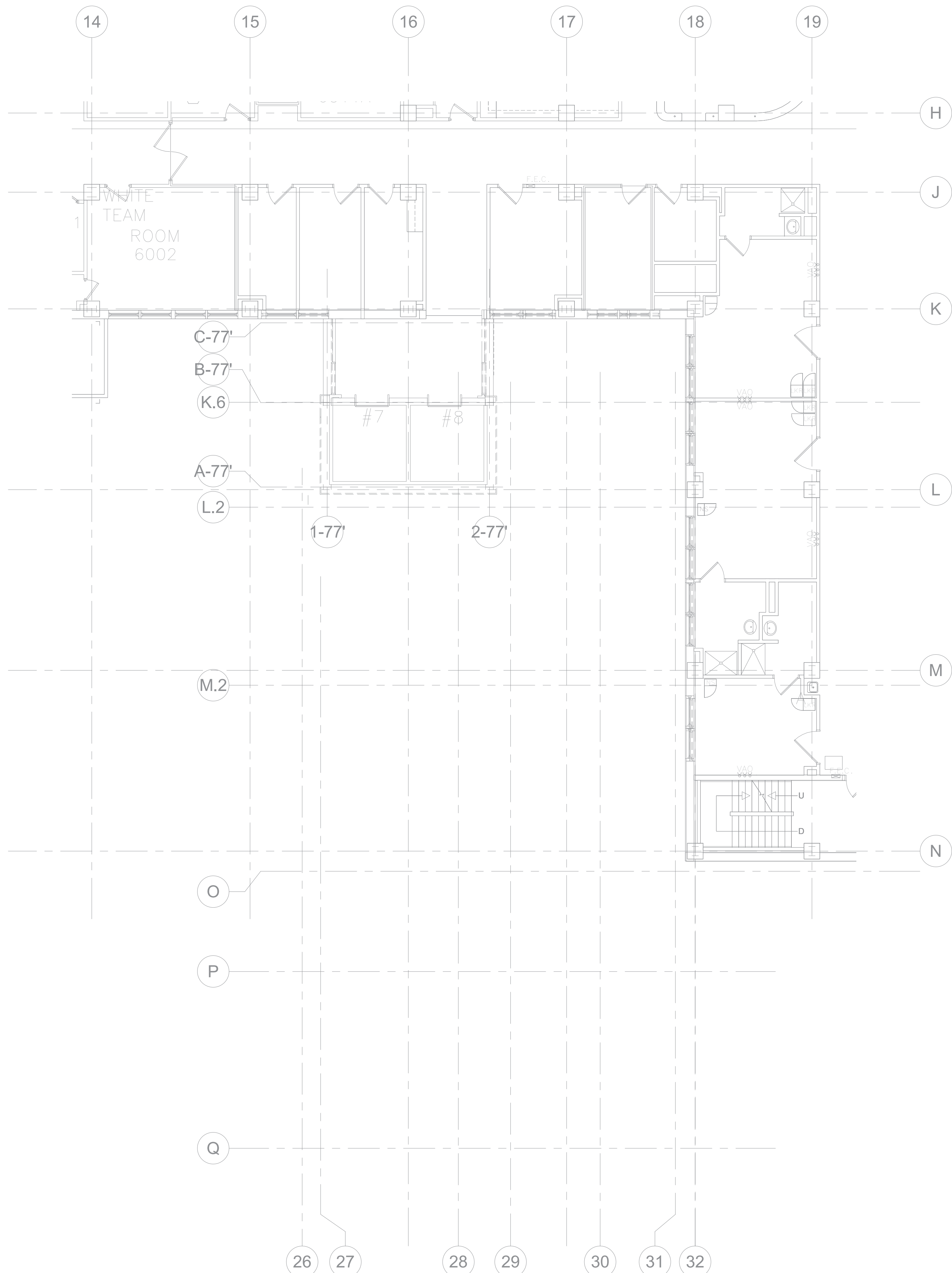
Project Number  
**636-18-303**

Building Number  
**1**

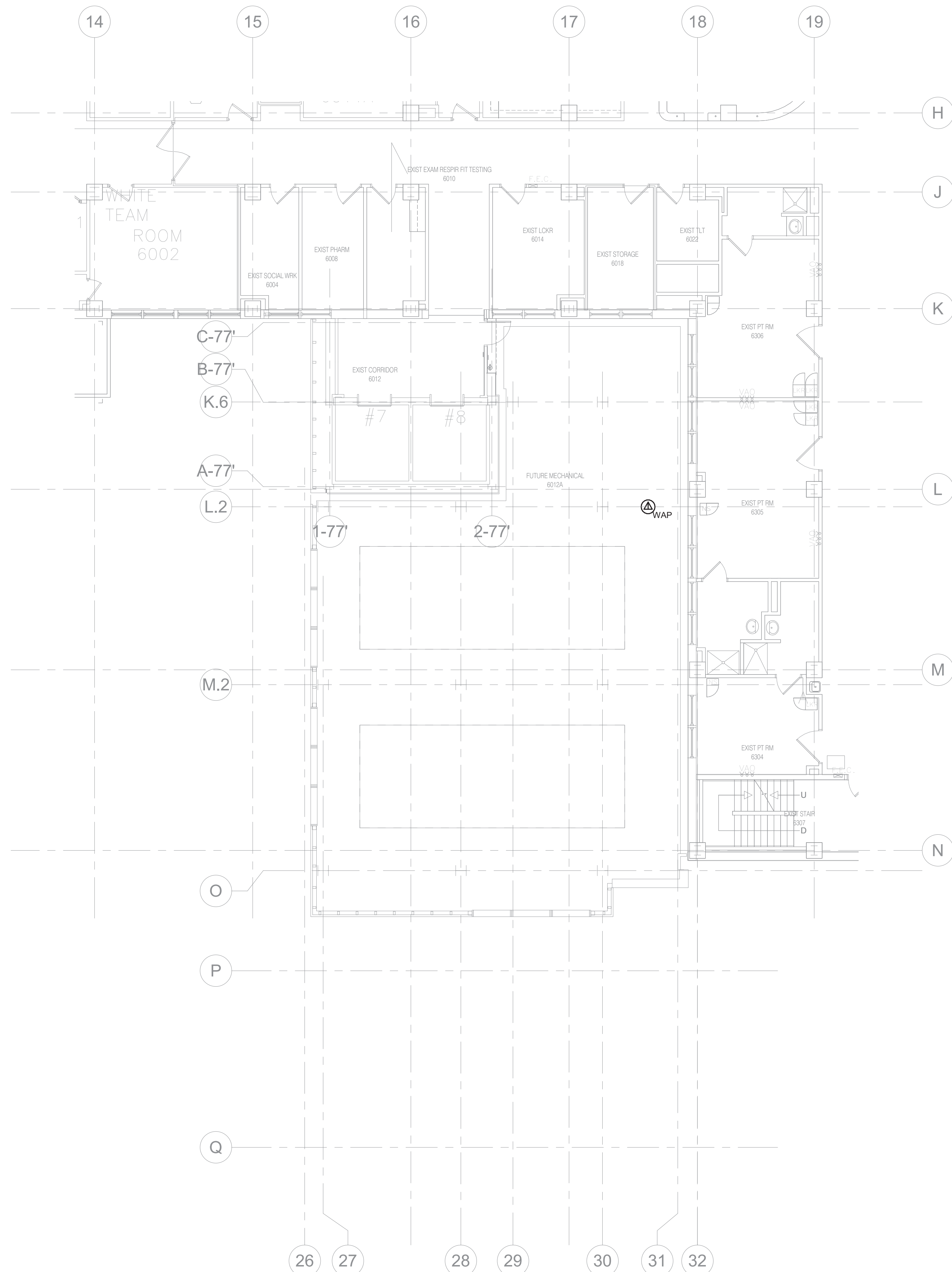
Drawing Number  
**T105**

**BID SET**





**2 SIXTH LEVEL FLOOR DEMOLITION - TECHNOLOGY**  
1/8" = 1'-0"



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

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**VA** U.S. Department of Veterans Affairs

Drawing Title  
**SIXTH LEVEL FLOOR PLAN - TECHNOLOGY**

Approved: \_\_\_\_\_

Phase  
**100% CONSTRUCTION DOCUMENTS**

**FULLY SPRINKLERED**

Project Title  
**NWIHCS - CONSTRUCT AIR HANDLING TOWER**

Location  
**OMAHA, NE**

Issue Date <b>05/28/21</b>	Checked <b>DAVLAR</b>	Drawn <b>DAMDEE</b>
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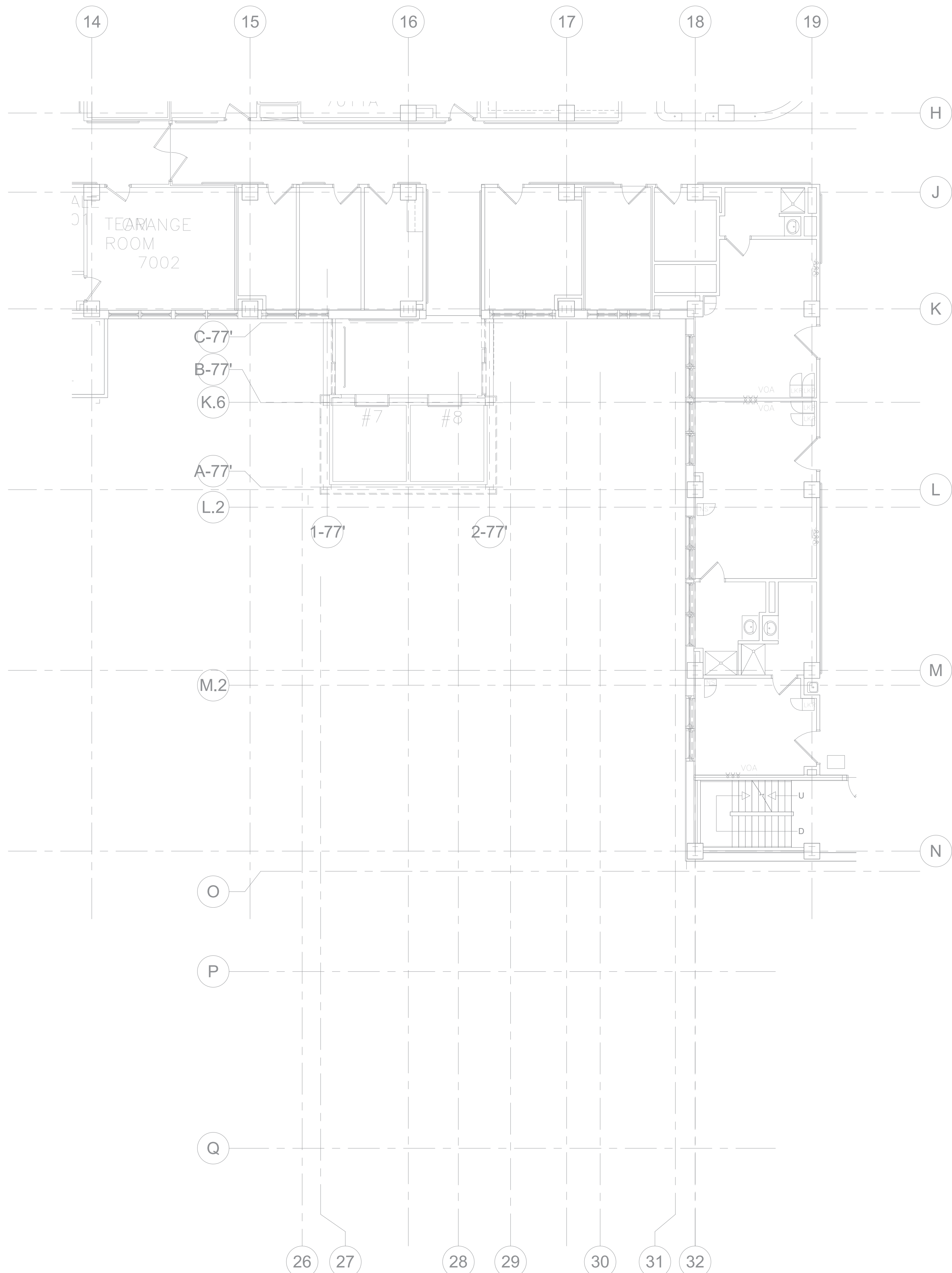
Project Number  
**636-18-303**

Building Number  
**1**

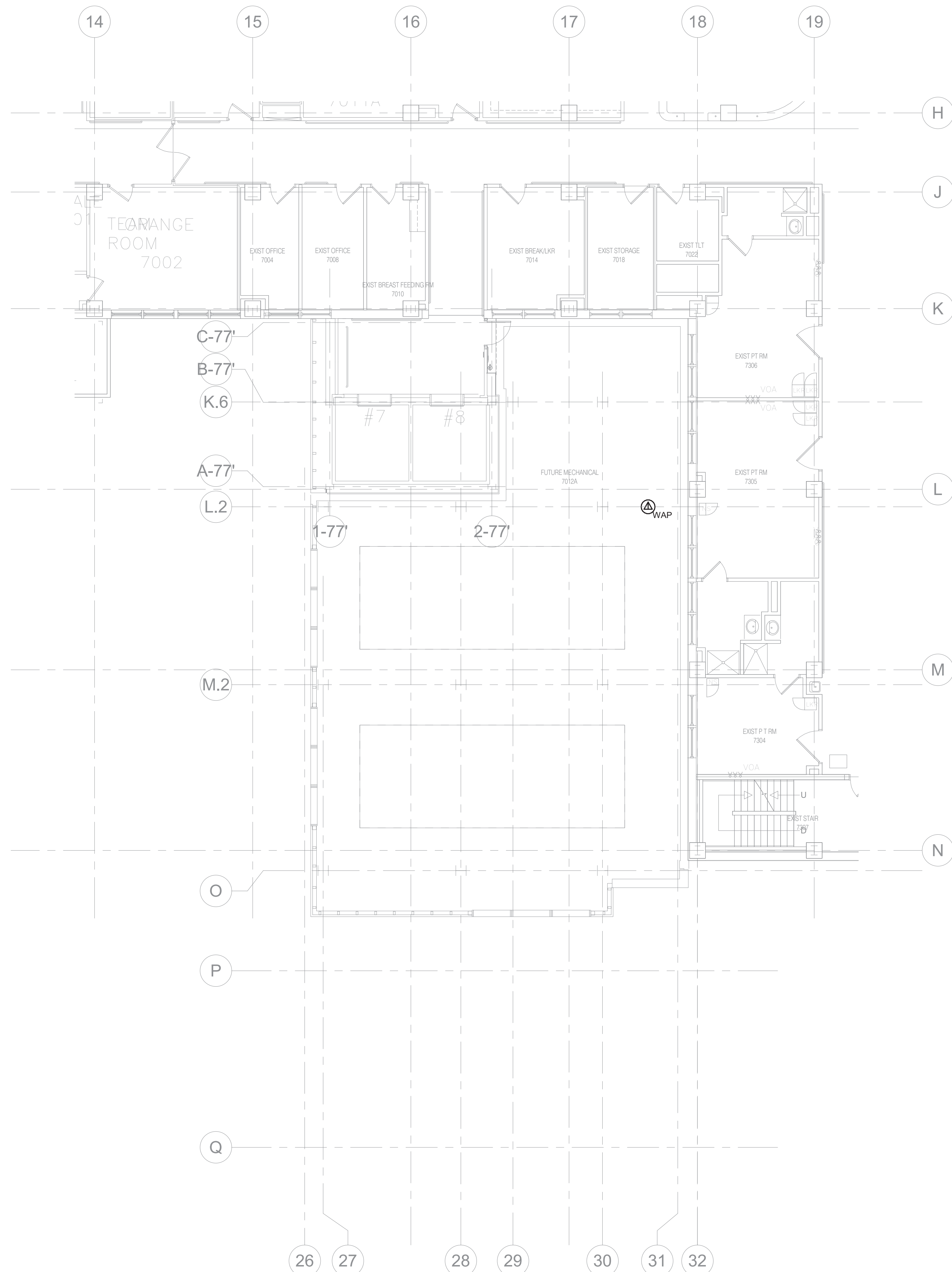
Drawing Number  
**T106**

**BID SET**

A  
B  
C  
D  
E  
F



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



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

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**VA** U.S. Department of Veterans Affairs

Drawing Title  
**SEVENTH LEVEL FLOOR PLAN - TECHNOLOGY**

Approved: \_\_\_\_\_

Phase  
**100% CONSTRUCTION DOCUMENTS**

**FULLY SPRINKLERED**

Project Title  
**NWIHCS - CONSTRUCT AIR HANDLING TOWER**

Location  
**OMAHA, NE**

Issue Date  
**05/28/21**

Checked  
**DAVLAR**

Drawn  
**DAMDEE**

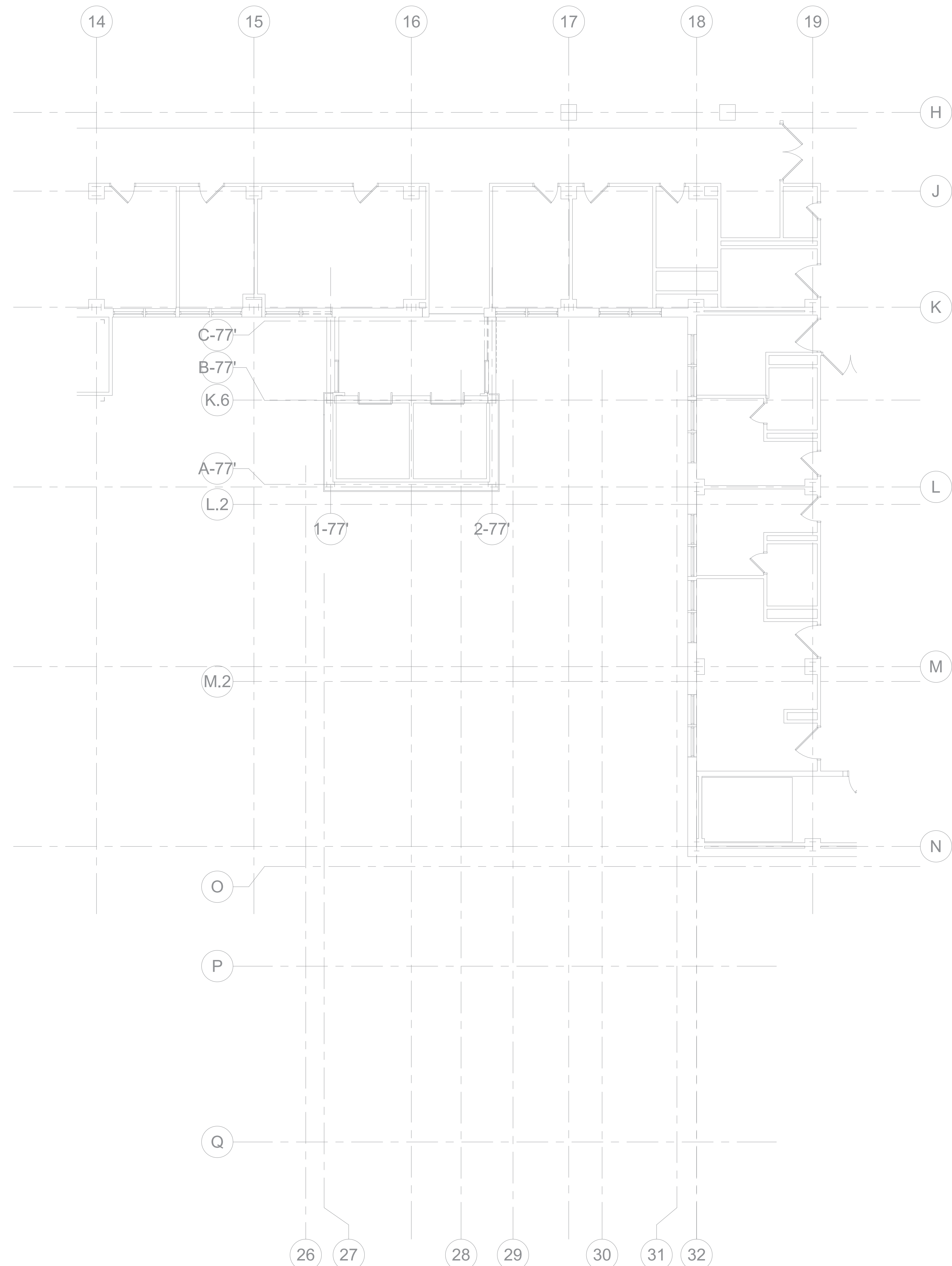
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**636-18-303**

Building Number  
**1**

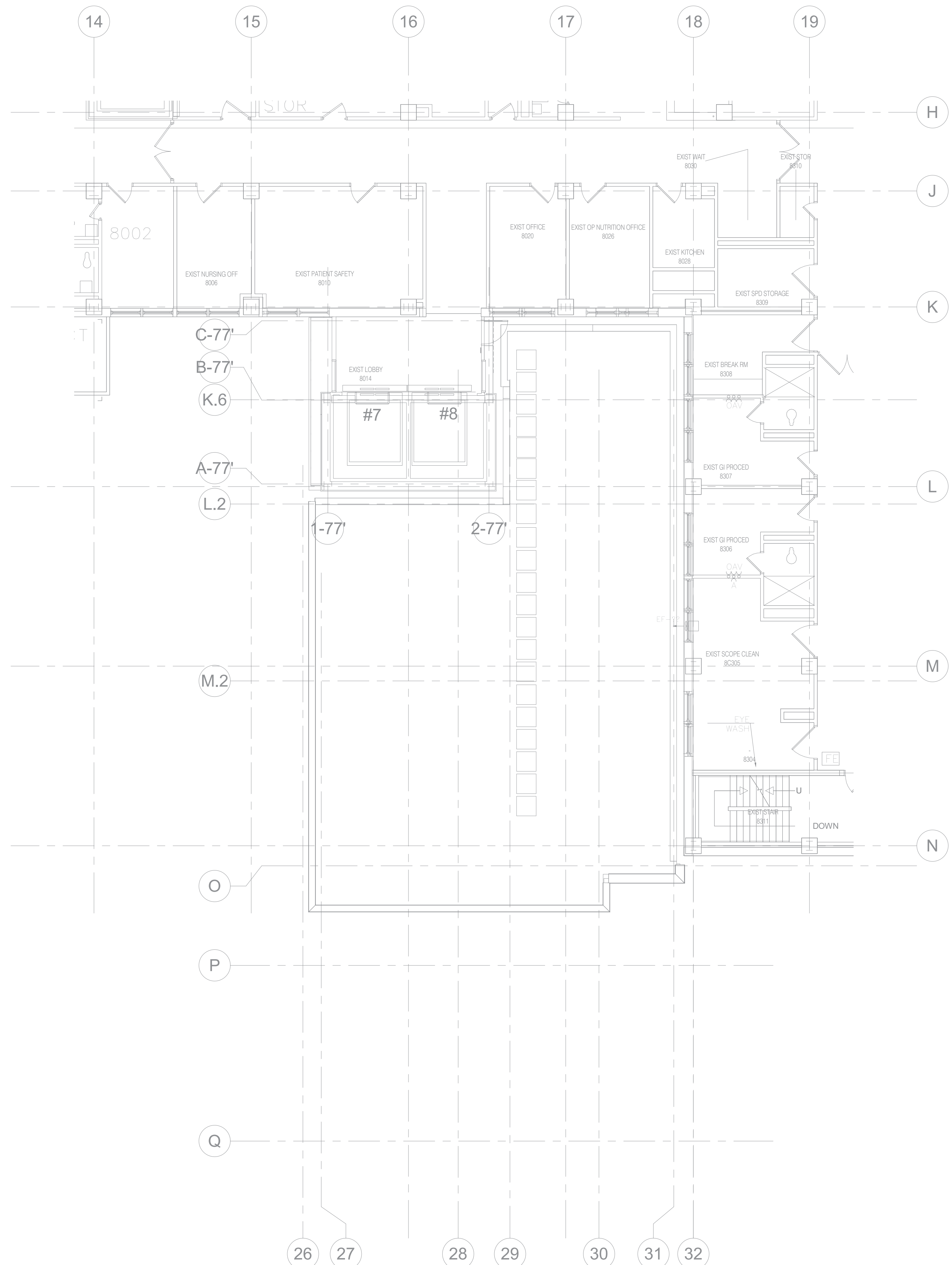
Drawing Number  
**T107**

**BID SET**





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



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

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1 2 3

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Drawing Title  
EIGHTH LEVEL FLOOR PLAN - TECHNOLOGY

Approved:

Phase  
100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title  
NWIHCS - CONSTRUCT AIR HANDLING TOWER

Location  
OMAHA, NE

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05/28/21

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Project Number  
636-18-303

Building Number  
1

Drawing Number  
T108

BID SET

A

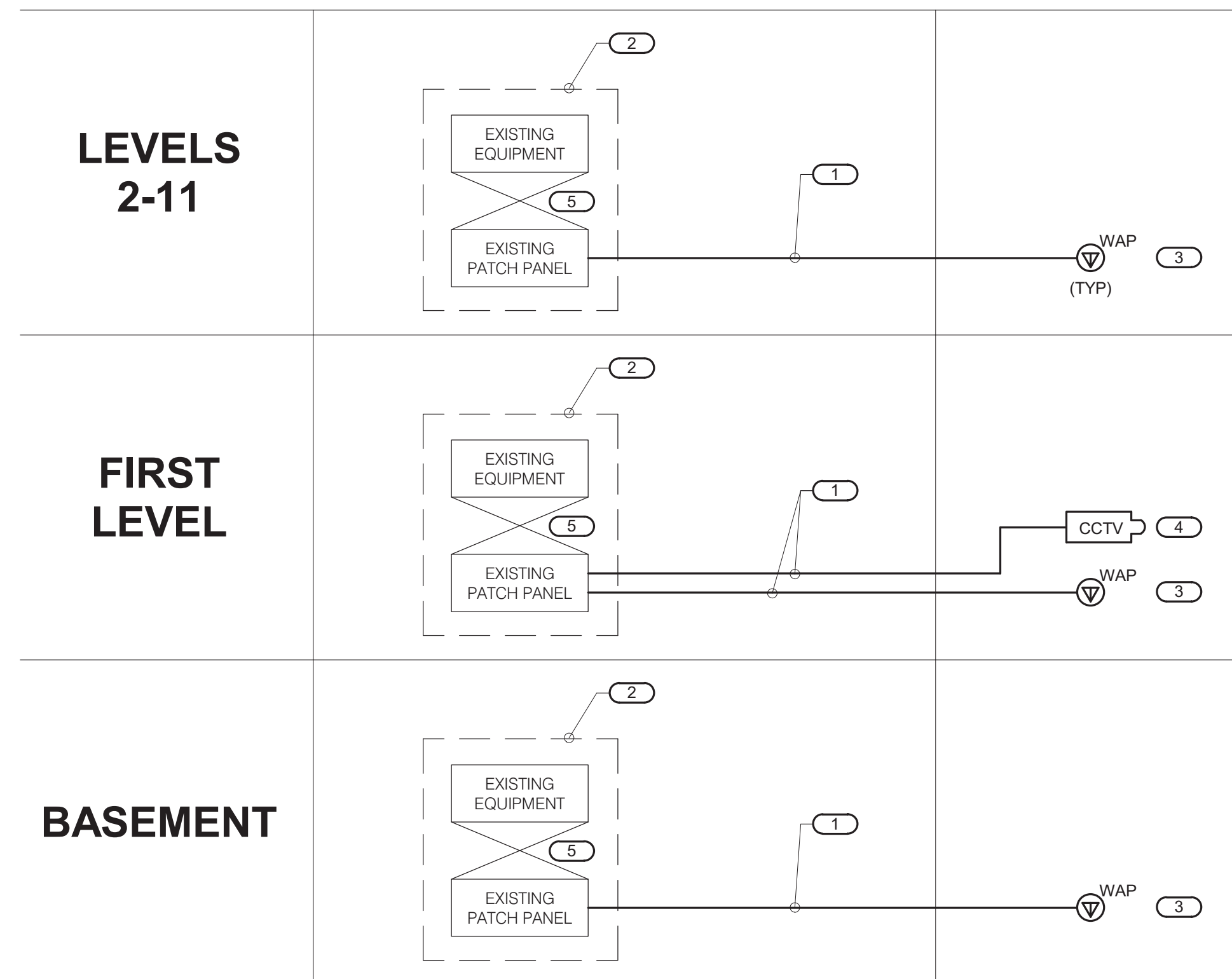
B

C

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E

F



**1 STRUCTURED CABLING RISER DIAGRAM**

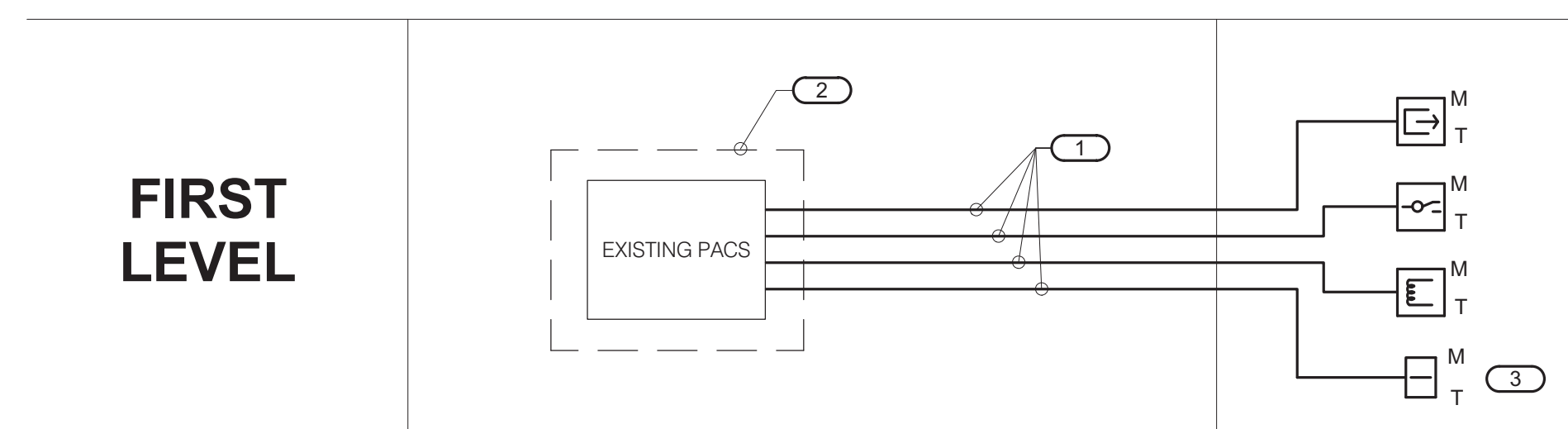
NO SCALE

**NOTES:**

- THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- REFER TO FLOOR PLANS FOR QUANTITY OF CABLES AND JACKS TO BE INSTALLED AT EACH INFORMATION OUTLET.

**KEYNOTES:** (F)

- 23 GAUGE 4-PAIR, CATEGORY 6, UNSHIELDED TWISTED PAIR CABLE, REFER TO SPECIFICATIONS.
- NEAREST EXISTING TELECOM ROOM, SAME FLOOR WHERE APPLICABLE.
- INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION FOR OWNER PROVIDED ACCESS POINT, REFER TO INFORMATION OUTLET SCHEDULE ON T500 FOR ADDITIONAL INFORMATION.
- NEW CAMERA LOCATION ADDED TO EXISTING SYSTEM, REFER TO GENERAL TECHNOLOGY EQUIPMENT SCHEDULE ON T500 FOR ADDITIONAL INFORMATION.
- PATCH CORDS BY OWNER.



**2 ACCESS CONTROL RISER DIAGRAM**

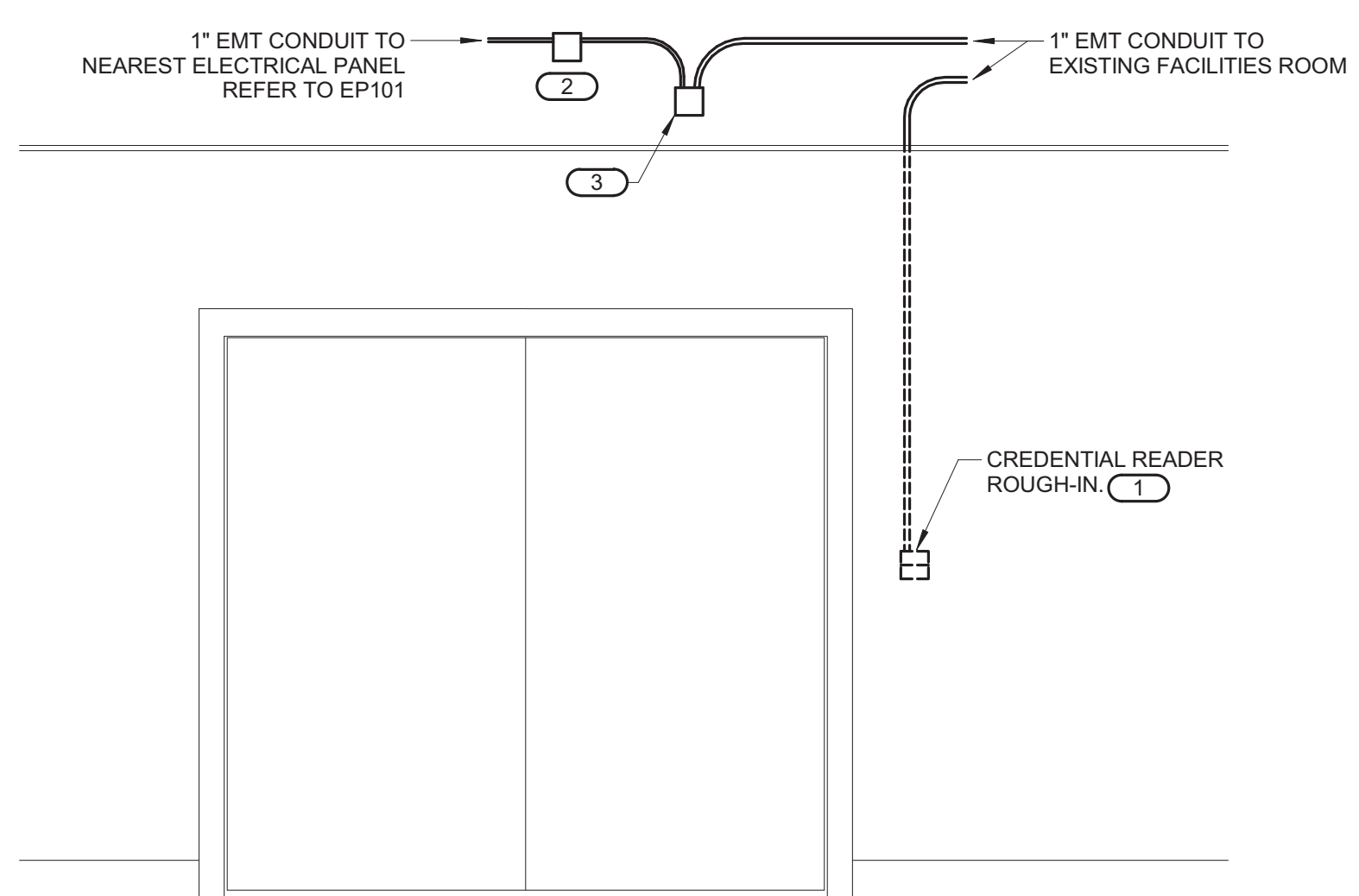
NO SCALE

**NOTES:**

- THIS DIAGRAM IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL DEVICE QUANTITIES OR LOCATIONS. ALL DEVICES SHOWN ARE TYPICAL AND MAY NOT REFLECT EVERY WIRE OR CONNECTION THAT MUST BE MADE. WIRING SHOWN ON THIS DIAGRAM REFLECTS THE REQUIREMENTS FOR THE BASIS OF DESIGN MANUFACTURER, ANY CHANGES REQUIRED DUE TO THE T.C.'S SELECTION OF AN ALTERNATE MANUFACTURER, INCLUDING ANY POWER REQUIRED FOR FIELD LOCATED SECURITY CONTROLLERS, SHALL BE INCLUDED IN THE T.C.'S BID.

**KEYNOTES:** (E)

- REFER TO SPECIFICATIONS FOR CABLING TYPES.
- EXISTING FACILITIES ROOM ON FIRST LEVEL.
- SYMBOL SUBSCRIPT INDICATES CREDENTIAL DEVICE TYPE, REFER TO GENERAL TECHNOLOGY EQUIPMENT SCHEDULE ON T500 FOR ADDITIONAL INFORMATION.



**3 CONTROLLED SECURITY SCHEME DOOR ROUGH-IN DETAIL**

NO SCALE

**NOTES:**

- CONFIGURATIONS SHOWN IN THE DETAIL ABOVE ARE DIAGRAMMATIC, INTENDED TO DESCRIBE THE CONTROLLED SECURITY SCHEME ROUGH-IN REQUIREMENTS OF THE DOORS. DETAILS ABOVE MAY NOT ACCURATELY REPRESENT DOOR SIZE, DOOR SWING, DOOR HARDWARE, OR DOOR FUNCTIONALITY. REFER TO ARCHITECTURAL DOOR HARDWARE SCHEDULE, DOOR HARDWARE GROUPS AND DOOR HARDWARE SPECIFICATIONS FOR COMPLETE INFORMATION. MIRROR THE DETAIL AS REQUIRED.
- ROUGH IN SHOWN IN THE DETAIL ABOVE REPRESENTS THE MINIMUM REQUIREMENTS FOR ALL CONTROLLED SECURITY SYSTEM DEVICES AND CABLING UNLESS OTHERWISE NOTED. COORDINATE EXACT REQUIREMENTS WITH SELECTED DOOR MATERIALS, DOOR HARDWARE, AND CONTROLLED SECURITY DEVICES AND CABLING PRIOR TO INSTALLATION.
- ALL CABLING IN WALLS AND WHERE EXPOSED ON VERTICAL SURFACES SHALL BE INSTALLED IN EMT CONDUIT OR SURFACE MOUNT RACEWAY. CABLING ROUTED HORIZONTALLY ABOVE ACCESSIBLE CEILING MAY BE INSTALLED FREE-AIR CABLING PROPERLY RATED FOR THE CEILING ENVIRONMENT.
- THE ELECTRICAL OR SECURITY CONTRACTOR SHALL NOT MODIFY ANY FIRE RATED DOOR AND/OR DOOR FRAME. REFER TO THE ARCHITECTURAL DOOR SCHEDULE, DOOR HARDWARE SCHEDULE, AND DOOR HARDWARE SPECIFICATION FOR ADDITIONAL INFORMATION. MODIFICATION TO ANY FIRE RATED DOOR AND/OR FRAME WILL REQUIRE A RE-CERTIFICATION OF THE DOOR AND FRAME WITH THE LOCAL AUTHORITY HAVING JURISDICTION (AHLJ).
- INSTALLING CONTRACTOR SHALL FURNISH AND INSTALL FIRESTOP MATERIALS FOR ALL CONTROLLED SECURITY SCHEME ROUGH-INS PER PROJECT REQUIREMENTS. REFER TO DIVISION 7 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- REFER TO T27300 ACCESS CONTROL RISER DIAGRAM FOR CABLING REQUIREMENTS AND THE CONTROLLED SECURITY SCHEME (CSS) TYPE SCHEDULE ON T500 FOR ADDITIONAL INFORMATION.
- INSTALLATION SHALL INCLUDE ALL POWER REQUIRED FOR SYSTEM OPERATION INCLUDING +120VAC. REFER TO THE SUGGESTED MATRIX OF RESPONSIBILITY FOR ADDITIONAL INFORMATION.

**KEYNOTES:** (F)

- DOUBLE GANG BACKBOX WITH SINGLE GANG PLASTER RING. REFER TO FLOOR PLAN(S) FOR ACTUAL CREDENTIAL READER TYPE AND ROUGH-IN LOCATION.
- MOUNT A MINIMUM 4" SQUARE 2-1/8" DEEP JUNCTION BOX WITH BLANK COVER PLATE ON THE SECURE SIDE OF THE DOOR ABOVE ACCESSIBLE CEILING. INSTALLING CONTRACTOR SHALL SIZE THE JUNCTION BOXES PER SYSTEM INSTALLATION REQUIREMENTS AND APPLICABLE CODES. MAINTAIN ACCESS TO THE JUNCTION BOX.
- SLIDING DOOR LOW VOLTAGE INTERFACE PANEL FOR ELECTRIFIED HARDWARE, POSITION SWITCH AND REQUEST TO EXIT CABLING, REFER TO DIVISION 8 AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL DOOR INFORMATION.

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Office of Construction and Facilities Management

**VA** U.S. Department of Veterans Affairs

Drawing Title  
**TECHNOLOGY DETAILS & RISERS**

Approved: \_\_\_\_\_

Phase  
**100% CONSTRUCTION DOCUMENTS**

**FULLY SPRINKLERED**

Project Title  
**NWIHCS - CONSTRUCT AIR HANDLING TOWER**

Location  
**OMAHA, NE**

Issue Date  
**05/28/21**

Checked  
**DAVLAR**

Drawn  
**DAMDEE**

Project Number  
**636-18-303**

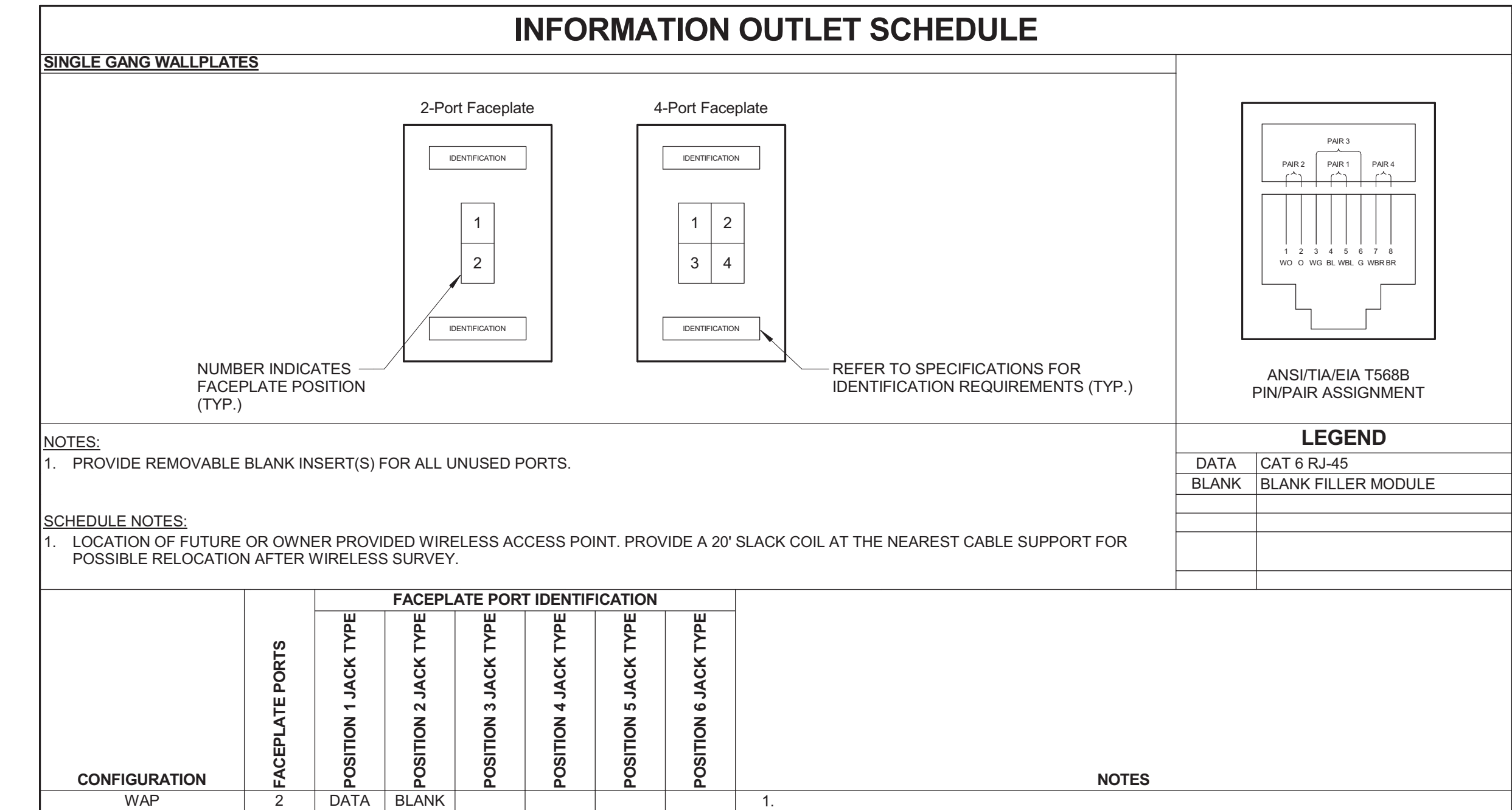
Building Number  
**1**

Drawing Number  
**T300**

**BID SET**



GENERAL TECHNOLOGY EQUIPMENT SCHEDULE		
<p>THE EQUIPMENT LIST ABBREVIATIONS AND THE GENERAL TECHNOLOGY EQUIPMENT SCHEDULE ARE FOR THE CONVENIENCE OF THE CONTRACTOR. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF QUANTITIES AND SHALL FURNISH ALL MATERIAL REQUIRED, WHETHER SPECIFIED OR NOT, TO PRODUCE A SATISFACTORY WORKING SYSTEM.</p> <p>CATALOG NUMBERS ARE NOT TO BE CONSIDERED COMPLETE BUT ARE GIVEN ONLY TO AID THE CONTRACTOR IN THE SEARCH FOR MATERIAL. EACH CONTRACTOR SHALL FIRST READ THE COMPLETE DESCRIPTION OF THE MATERIAL ON THESE DRAWINGS AND SPECIFICATIONS. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN.</p>		
EQUIPMENT LIST ABBREVIATION	EQUIPMENT LIST DESCRIPTION	
AC-CR1	CARD READER, PROVIDED AS INTEGRAL PART OF SECURITY MANAGEMENT SYSTEM. SUBSCRIPT INDICATES TYPE. REFER TO TECHNOLOGY SYMBOL LIST, CONTROLLED SECURITY SCHEME (CSS) TYPE SCHEDULE ON T500 AND CONTROLLED SECURITY SCHEME DOOR ROUGH-IN DETAIL ON 3/T300 FOR ADDITIONAL INFORMATION. CARD READERS SHOWN ON PLANS TO IDENTIFY INTENDED MOUNTING LOCATION. REFER TO SPECIFICATION SECTION 28 13 00 FOR COMPLETE INFORMATION.	HID ICLASS
SC-IO-C	INFORMATION OUTLET, CEILING MOUNT FOR OWNER PROVIDED WIRELESS ACCESS POINT, 2-PORT COVERPLATE AS INDICATED ON DRAWINGS AND INFORMATION OUTLET SCHEDULE. REFER TO INFORMATION OUTLET SCHEDULE ON T500 FOR PIN CONFIGURATION INFORMATION. INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION AS INDICATED ON THE DRAWINGS. REFER TO INFORMATION OUTLET SCHEDULE ON T500 FOR ADDITIONAL INFORMATION.  COORDINATE WITH OWNER TO INSTALL INFORMATION OUTLET IN A 4" SQUARE BACKBOX WITH A SINGLE GANG PLASTER RING. PROVIDE BY COIL OF UTP CABLE AT WIRELESS OUTLET LOCATION. INSTALL A 1" EMT CONDUIT 6" BEYOND BOX AND TERMINATE WITH NYLON BUSHING. REFER TO SPECIFICATION SECTION 27 15 00 FOR ADDITIONAL INFORMATION.	COVERPLATE: PANDUIT NK SERIES JACK: PANDUIT CAT6, NK688M SERIES  SYSTEMAX SIEMON



### CONTROLLED SECURITY SCHEME (CSS) TYPE SCHEDULE

**ELECTRONIC DOOR HARDWARE SUCH AS ELECTRIC STRIKES, ELECTRIC LATCH RETRACTION, ETC. SHALL BE PROVIDED AND INSTALLED BY OTHERS. REFER TO THE GENERAL TECHNOLOGY EQUIPMENT SCHEDULE ON T500 FOR CREDENTIAL READER TYPE INFORMATION.**

DOOR #	ROUGH-IN ONLY	CREDENTIAL READER		INTEGRATION	REQUEST TO EXIT		DOOR HARDWARE	OTHER	NOTES														
		READER TYPE	OPERATES SINGLE DOOR		OPERATES MULTIPLE DOORS	WIRELESS				LOCKED BY EMERGENCY DURESS SEQUENCE	REMOTE UNLOCK VIA INTERCOM MASTER												
1104B	WALL	MULTIPLE CREDENTIAL READERS OPERATES SINGLE DOOR	OPERATES MULTIPLE DOORS	WIRELESS	LOCKED BY EMERGENCY DURESS SEQUENCE	REMOTE UNLOCK VIA INTERCOM MASTER	INTRUSION DETECTION	REMOTE UNLOCK VIA FIRE COMMAND CENTER	VIDEO SURVEILLANCE	WANDER PREVENTION SYSTEM	INTERNAL ELECTRIFIED HARDWARE CONNECTION	LOCAL PUSHBUTTON DOOR HARDWARE OVERRIDE	MOTION DETECTOR	REMOTE PUSH BUTTON OVERRIDE	ELECTRONIC LOCKING HARDWARE (BY OTHERS)	IMAG LOCK	LATCH STATUS DETECTION	LOCAL ALARM HORN	MONITOR LATCH BOLT	MONITOR DOOR POSITION SWITCH SPDT	DELAYED EGRESS	LOCAL 120VAC POWER SUPPLY	SCHEDULE BASED LOCKING

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U.S. Department of Veterans Affairs

Drawing Title  
**TECHNOLOGY SCHEDULES**

Approved: \_\_\_\_\_

Phase  
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Location  
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Drawn  
**DAMDEE**

Project Number  
**636-18-303**

Building Number  
**1**

Drawing Number  
**T500**

**BID SET**

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