

ELECTRICAL SYMBOL SCHEDULE

Table with columns: SYMBOL, DEVICE/FIXTURE DESCRIPTION, MOUNTING, COMMENTS. Includes symbols for mechanical/plumbing callouts, conduit runs, demolition, existing items, home runs, stubs, breaks, drives, switches, and panels.

ABBREVIATIONS

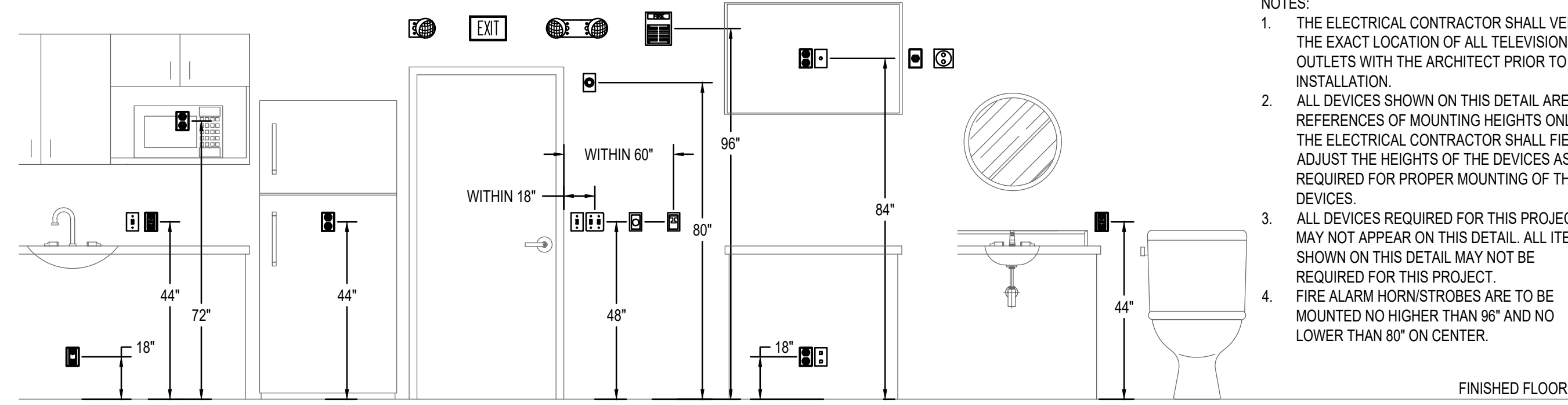
Table listing abbreviations for electrical symbols such as AMPS, FAULT CURRENT, ABOVE FINISHED GRADE, etc., with their corresponding full names.

NOTES

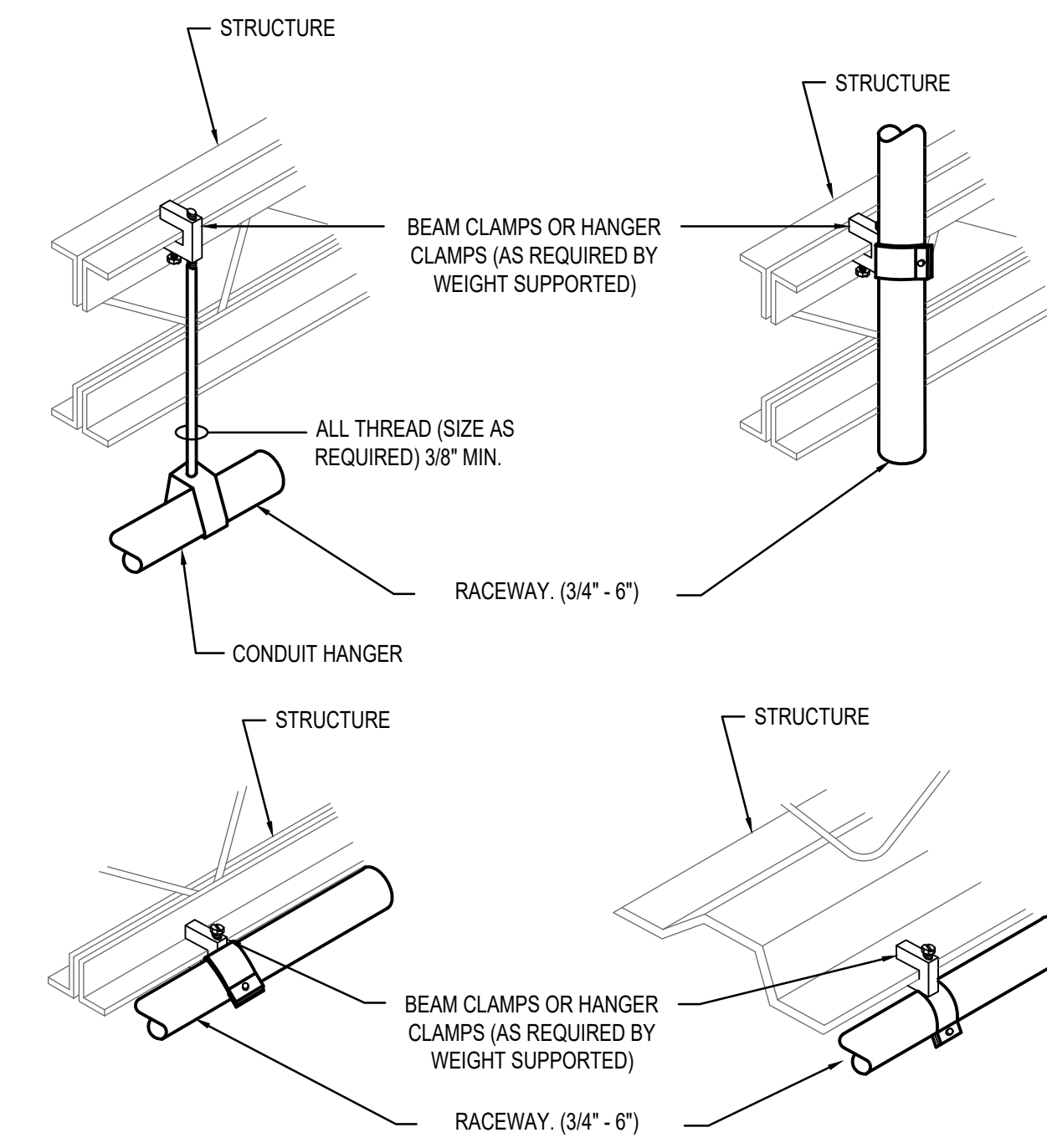
- Notes regarding luminaire schedules, wire types, connections, and equipment specifications. Includes notes on fire alarm panels and light fixture scaling.

GENERAL NOTES

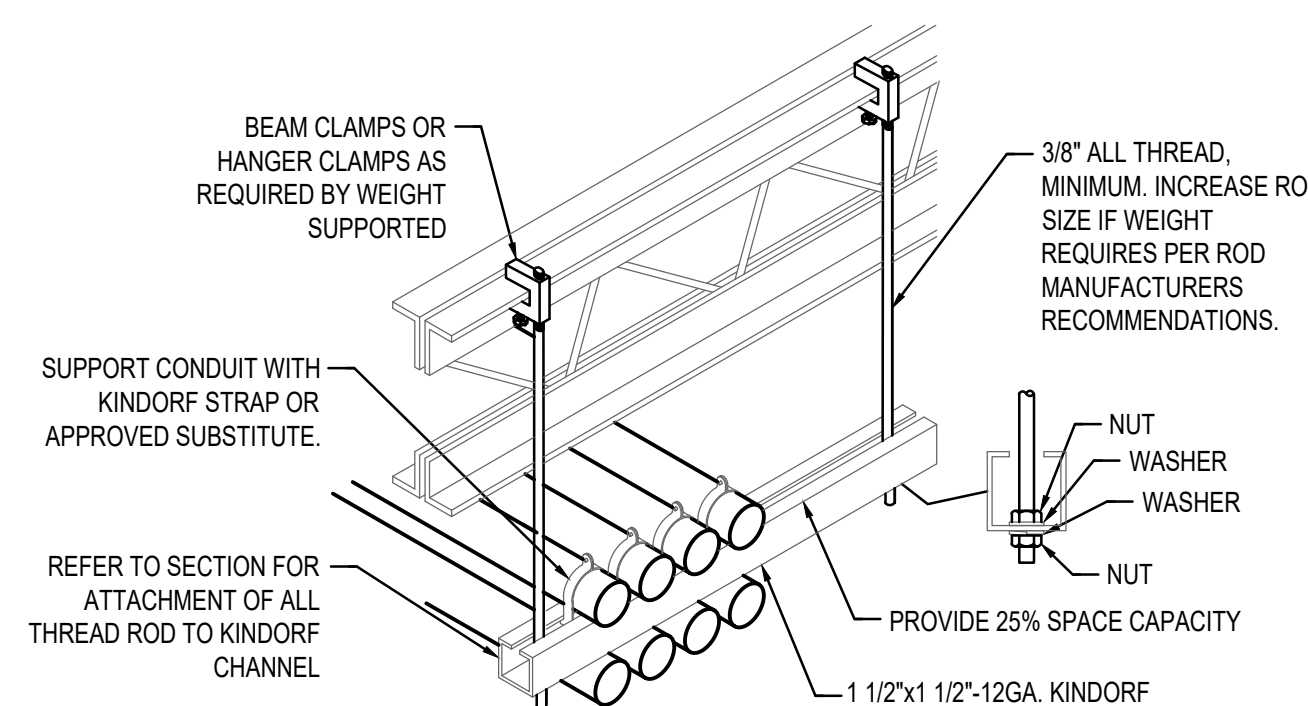
- General notes detailing construction requirements for electrical systems, including coordination with other trades, equipment labeling, and specific installation instructions for conduits and raceways.



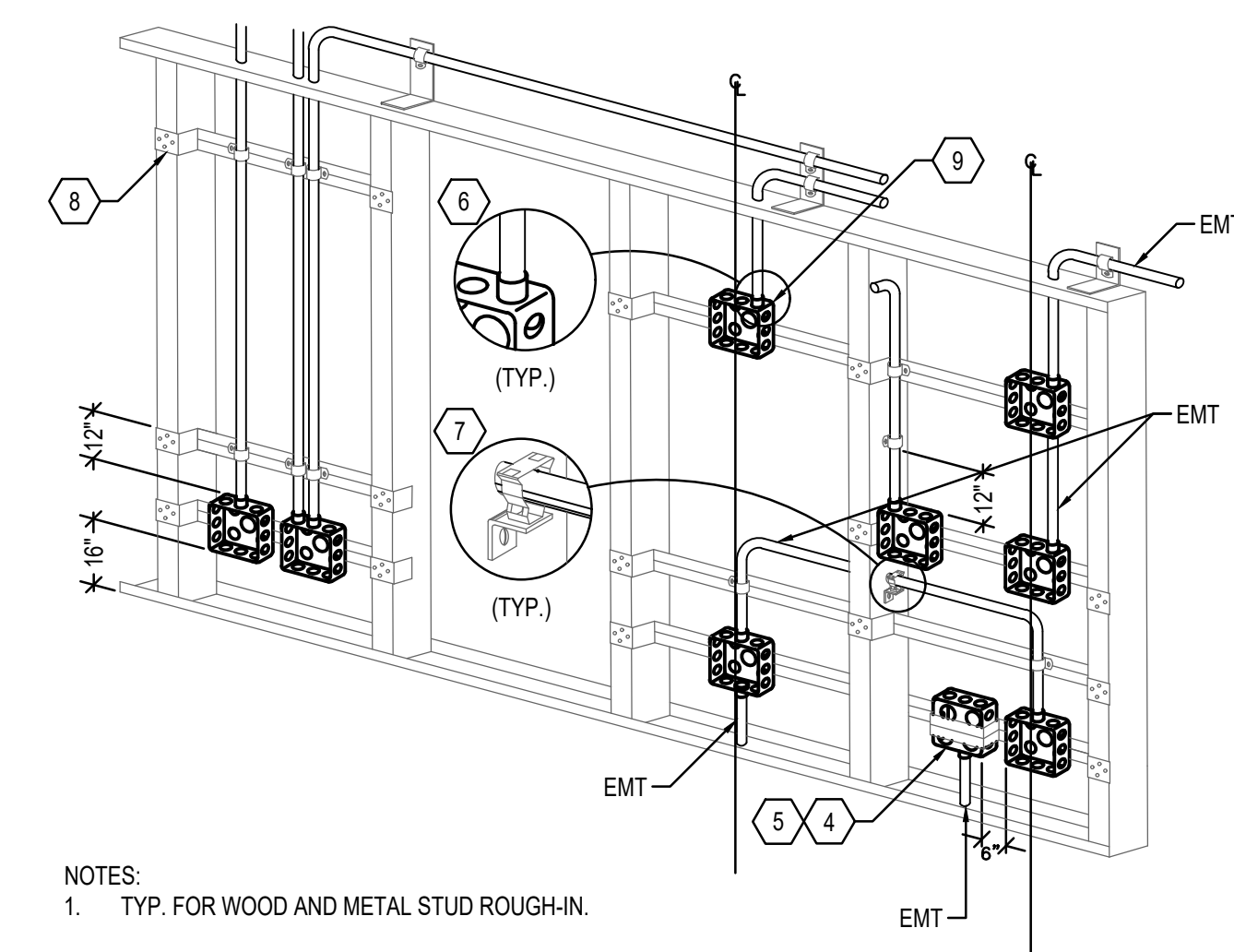
MOUNTING HEIGHTS DETAIL NO SCALE



RACEWAY SUPPORT METHODS DIAGRAM NO SCALE

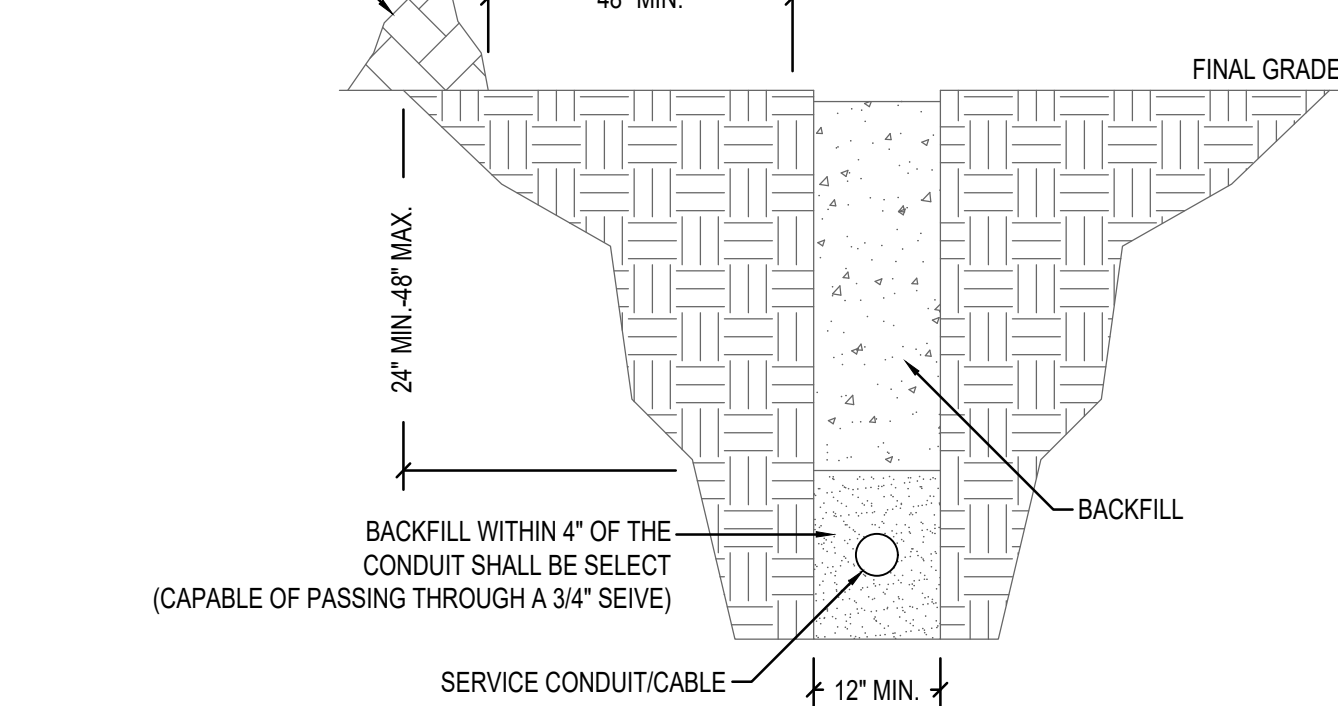


TRAPEZE SUPPORT DETAIL NO SCALE



- Notes for the typical rough-in detail, including requirements for plaster rings, outlet boxes, and EMT connectors.

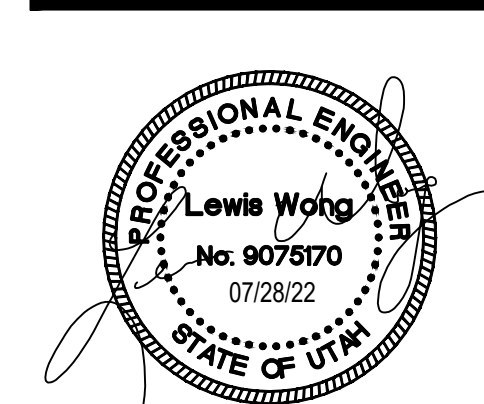
TYPICAL ROUGH-IN DETAIL NO SCALE



SERVICE TRENCH (POWER ONLY) NO SCALE

EQUIPMENT SCHEDULE

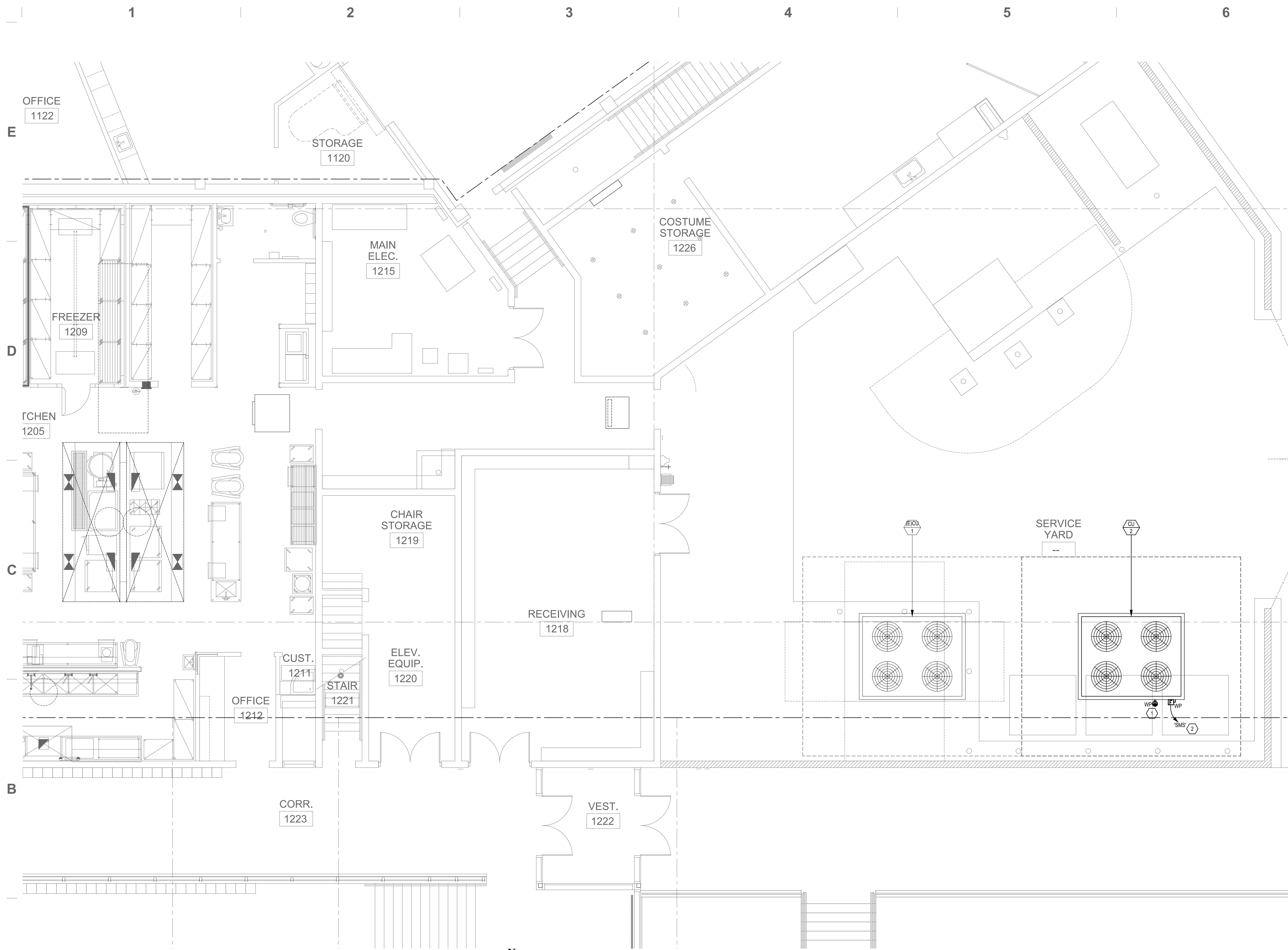
Equipment schedule table with columns for TYPE, DESCRIPTION, VOLT, PHASE, LOAD, FLA, WIRE (SETS, QTY, SIZE, GND), COND (SIZE, MOCP), OVER CURRENT PROTECTION (TYPE, SIZE, POLE, SIZE, SIZE), STR, and REMARKS. Includes equipment like air-cooled chillers and condensers.



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BOX ELDER HIGH SCHOOL COOLING UPGRADE 380 SOUTH 600 WEST, BRIGHAM CITY, UTAH 84302

REVISIONS table with columns for NO., DESCRIPTION, and DATE.



OFFICE 1122  
STORAGE 1120  
FREEZER 1209  
KITCHEN 1205  
CHAIR STORAGE 1219  
RECEIVING 1218  
ELEV. EQUIP. 1220  
STAIR 1221  
VEST. 1222  
CORR. 1223

1 SERVICE YARD ELECTRICAL PLAN  
EP1.1 SCALE: 1/4"=1'-0"

# KEYED NOTES

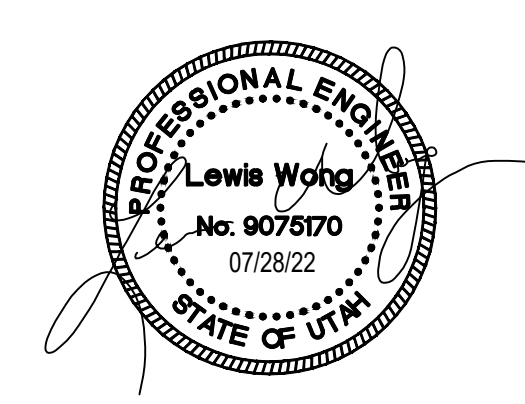
1. PROVIDE 120V/1PH/20A CIRCUIT SHOWN TO CONNECT TO CONNECT TO INTEGRATED SERVICE RECEPTACLE INCLUDED WITH UNIT. REFER TO EQUIPMENT MANUFACTURER INSTALLATION DETAILS FOR MORE INFORMATION.
2. PROVIDE NEW 150A/3P BREAKER IN EXISTING SPACE IN DISTRIBUTION PANELBOARD SMS. REFER TO EQUIPMENT SCHEDULE FOR MORE DETAIL.

GENERAL NOTES

- A. EC SHALL COORDINATE WITH ALL OTHER TRADES DURING DEMOLITION AND CONSTRUCTION TO FACILITATE TIMELY WORK.
- B. ALL AREAS ARE TO BE KEPT CLEAN AND CLEAR OF DEBRIS AT ALL TIMES.
- C. CONTRACTOR SHALL PATCH AND REPAIR ALL WALLS, CEILING, ETC. TO MATCH EXISTING CONDITIONS. PENETRATIONS SHALL BE SEALED WITH FIRE RATED CAULK.
- D. ROUTE ALL CONDUIT IN A NEAT AND ORDERLY FASHION. ALL CONDUIT SHALL BE CONCEALED ABOVE CEILING OR IN WALLS IN FINISHED SPACES UNLESS OTHERWISE INDICATED ON THE PLANS.
- E. EXISTING DEVICES SHOWN ON SHEETS ARE GATHERED FROM AS-BUILT DRAWINGS AND FIELD INVESTIGATION. NOT ALL DEVICES ARE SHOWN. DEVICE PLACEMENT IS SCHEMATIC AND NOT EXACT. CONTRACTOR TO FIELD VERIFY FOR EXACT LOCATIONS AND COORDINATE WORK WITH ALL OTHER DEVICES, EQUIPMENT, CONDUIT, ETC. WHETHER OR NOT SHOWN TO COMPLETE PROJECT.
- F. DEVICES/EQUIPMENT SHOWN IN GRAY ARE EXISTING TO REMAIN. PRESERVE AND PROTECT. MAINTAIN EXISTING CIRCUIT INTEGRITY.
- G. PROVIDE CLEAR, TYPED, P-TOUCH LABELS ON ALL NEW DEVICES/EQUIPMENT INDICATING THE PANEL AND CIRCUIT NUMBER IT IS TIED TO. LABEL SHALL BE 1/8" LONGER THAN TEXT ON BOTH ENDS.
- H. PROVIDE UPDATED TYPED CIRCUIT DIRECTORY WITH UNIQUE CIRCUIT DESCRIPTIONS PER NEC 408.4 FOR PANELS AFFECTED BY THIS PROJECT.
- I. ALL CORE DRILLING IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.

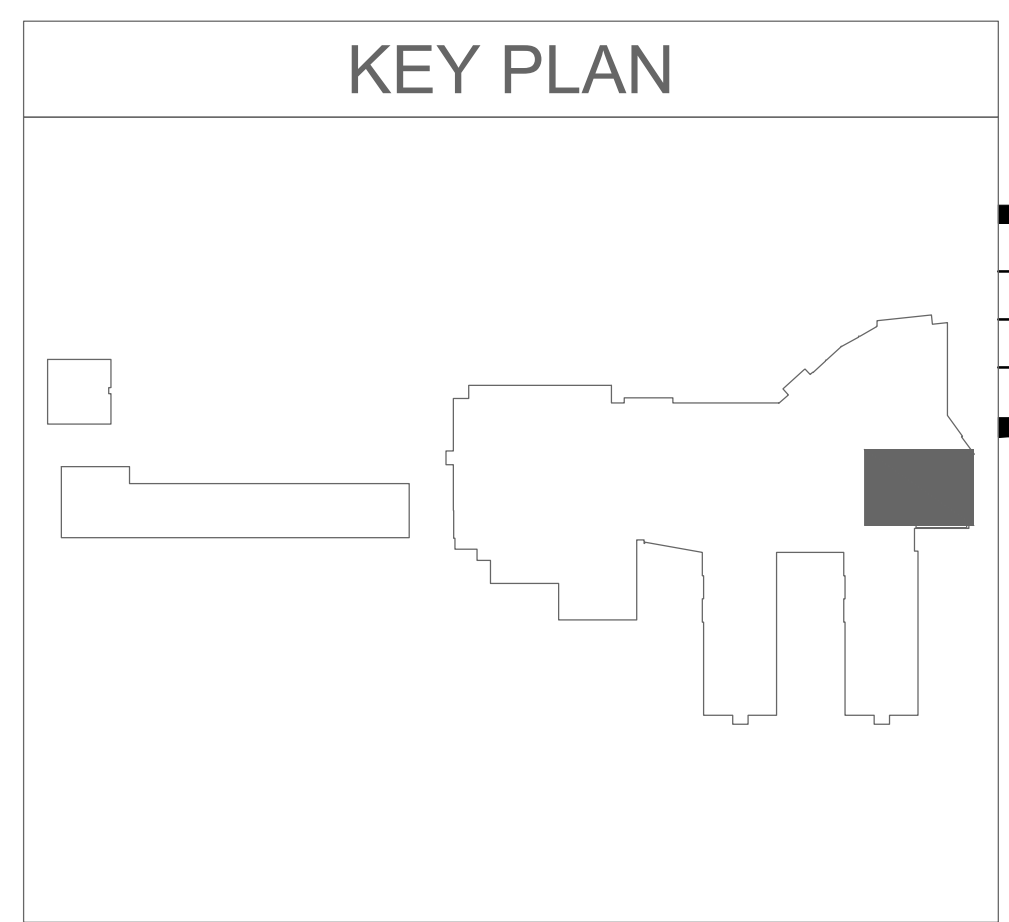


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• Van Boerum & Frank Assoc., 2021

**BOX ELDER HIGH SCHOOL  
COOLING UPGRADE**  
380 SOUTH 600 WEST, BRIGHAM CITY, UTAH 84302

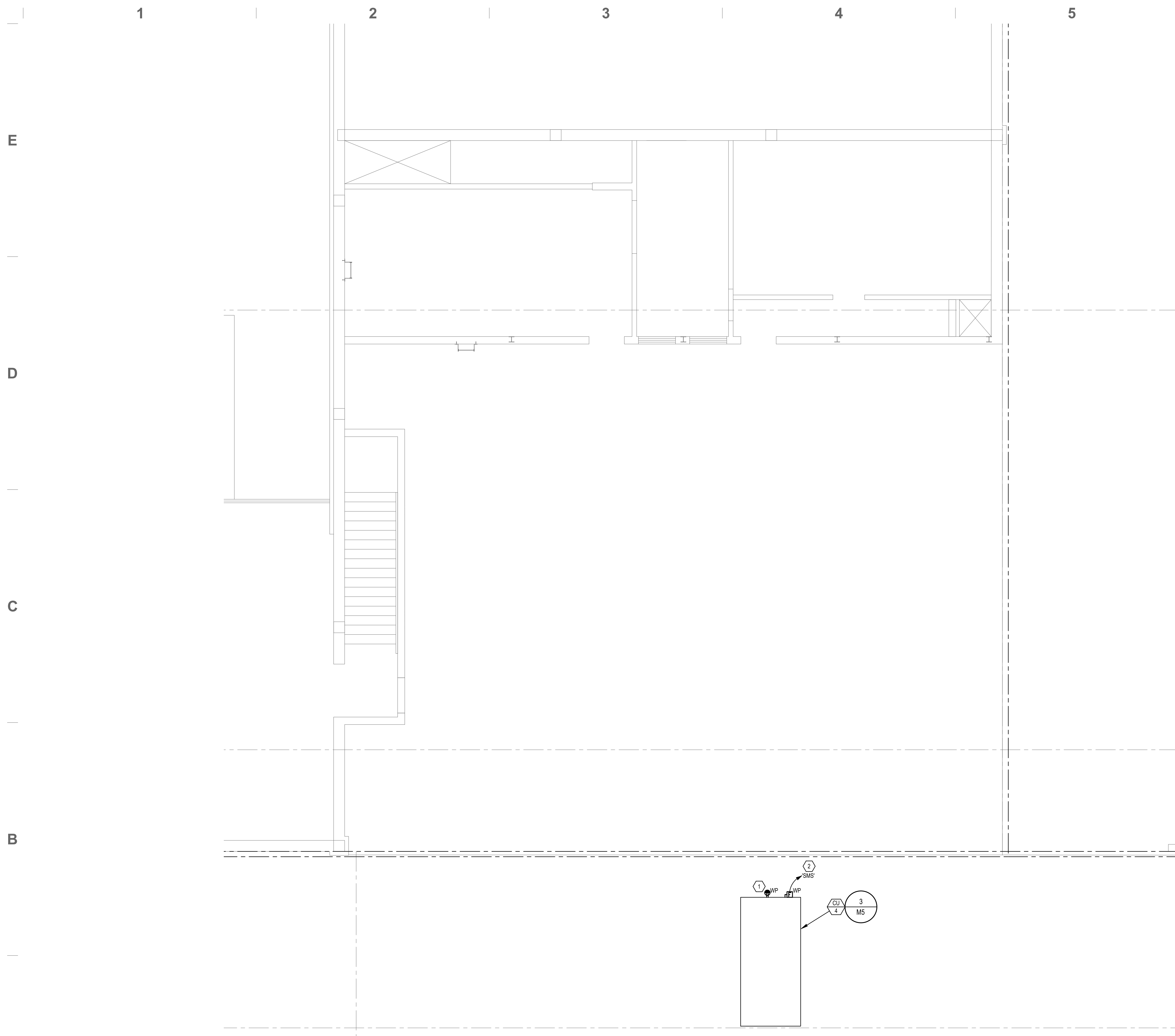


REVISIONS

VBFA PROJECT #:	21493
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CURRENT ISSUE DATE:	07.28.2022

SHEET CONTENTS  
**SERVICE YARD ELECTRICAL PLAN**

**EP1.1**




1 MECHANICAL ROOM ELECTRICAL PLAN  
 EP1.2 SCALE: 1/4"=1'-0"

# KEYED NOTES

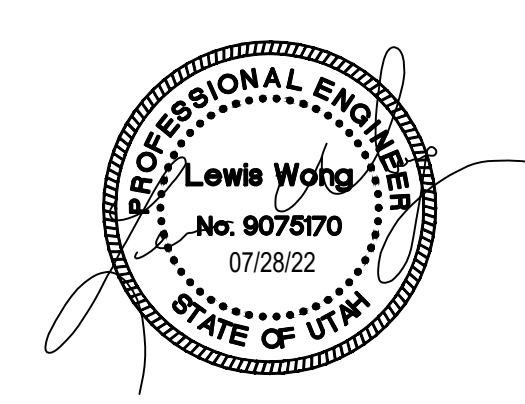
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2. PROVIDE NEW 150A/3P BREAKER IN EXISTING SPACE IN DISTRIBUTION PANELBOARD 'SMS'. REFER TO EQUIPMENT SCHEDULE FOR MORE DETAIL.

GENERAL NOTES

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- B. ALL AREAS ARE TO BE KEPT CLEAN AND CLEAR OF DEBRIS AT ALL TIMES.
- C. CONTRACTOR SHALL PATCH AND REPAIR ALL WALLS, CEILINGS, ETC. TO MATCH EXISTING CONDITIONS. PENETRATIONS SHALL BE SEALED WITH FIRE RATED CAULK.
- D. ROUTE ALL CONDUIT IN A NEAT AND ORDERLY FASHION. ALL CONDUIT SHALL BE CONCEALED ABOVE CEILINGS OR IN WALLS IN FINISHED SPACES UNLESS OTHERWISE INDICATED ON THE PLANS.
- E. EXISTING DEVICES SHOWN ON SHEETS ARE GATHERED FROM AS-BUILT DRAWINGS AND FIELD INVESTIGATION. NOT ALL DEVICES ARE SHOWN. DEVICE PLACEMENT IS SCHEMATIC AND NOT EXACT. CONTRACTOR TO FIELD VERIFY FOR EXACT LOCATIONS AND COORDINATE WORK WITH ALL OTHER DEVICES, EQUIPMENT, CONDUIT, ETC. WHETHER OR NOT SHOWN TO COMPLETE PROJECT.
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- I. ALL CORE DRILLING IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.

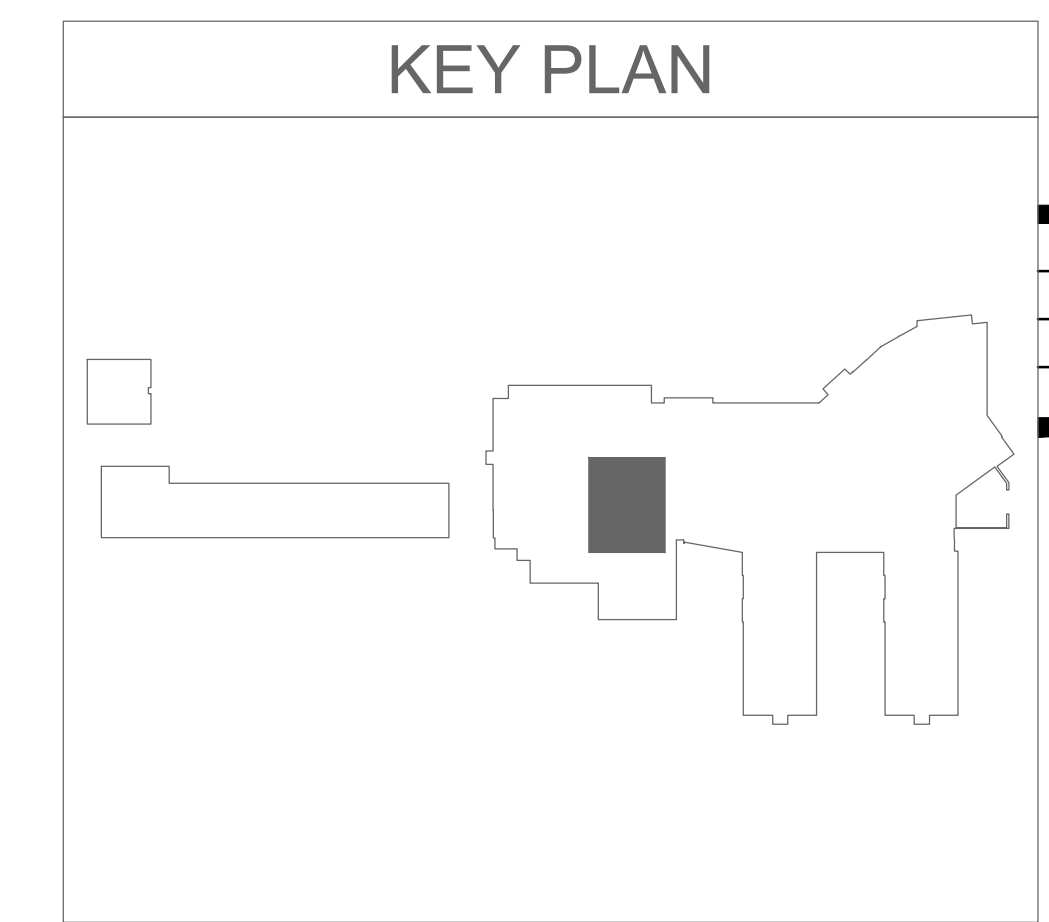


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 COOLING UPGRADE**  
 380 SOUTH 600 WEST, BRIGHAM CITY, UTAH 84302



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SHEET CONTENTS  
**MECHANICAL ROOM  
 ELECTRICAL PLAN**

**EP1.2**

1

2

3

4

5

6

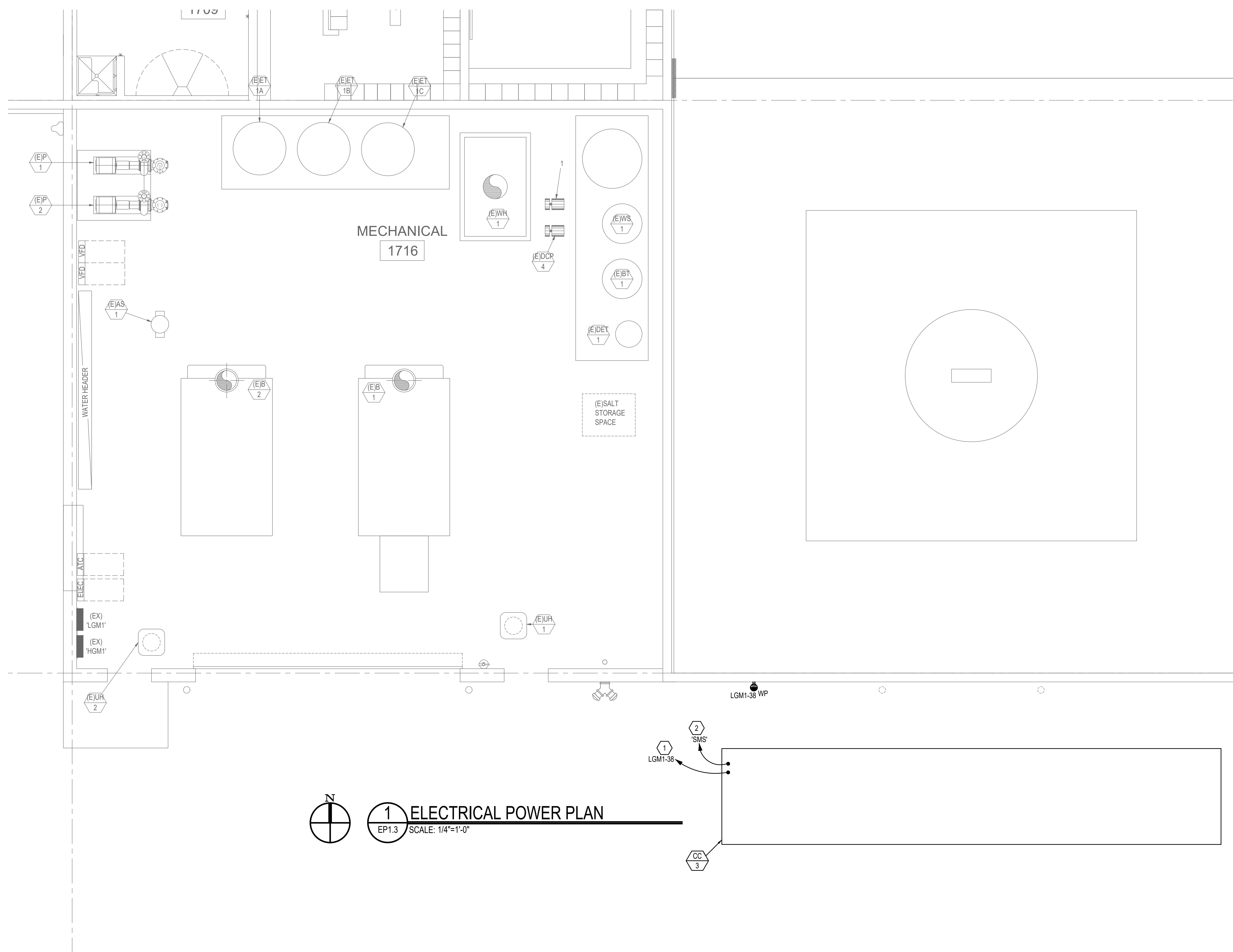
E

D

C

B

A



1 **ELECTRICAL POWER PLAN**  
 EP1.3 SCALE: 1/4"=1'-0"

# **KEYED NOTES**

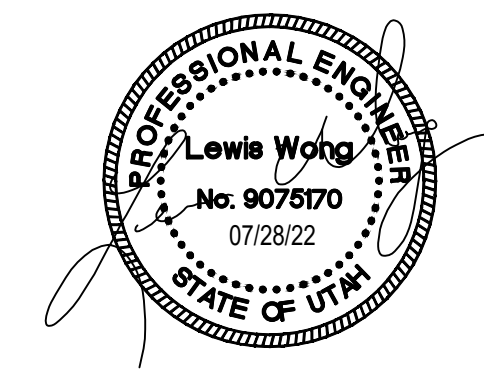
1. PROVIDE 120V/1PH/20A CIRCUIT SHOWN TO POWER EQUIPMENT HEATER AND CONTROLS. REFER TO EQUIPMENT MANUFACTURER INSTALLATION DETAILS FOR MORE INFORMATION.
2. EC TO USE EXISTING CONDUITS STUBBED OUT FOR CHILLER WHERE POSSIBLE. PROVIDE NEW OR ADDITIONAL CONDUIT AS REQUIRED FOR A COMPLETE INSTALLATION. PROVIDE NEW 100A BREAKER IN DISTRIBUTION PANELBOARD 'SMS'. REFER TO EQUIPMENT SCHEDULE FOR MORE DETAIL.

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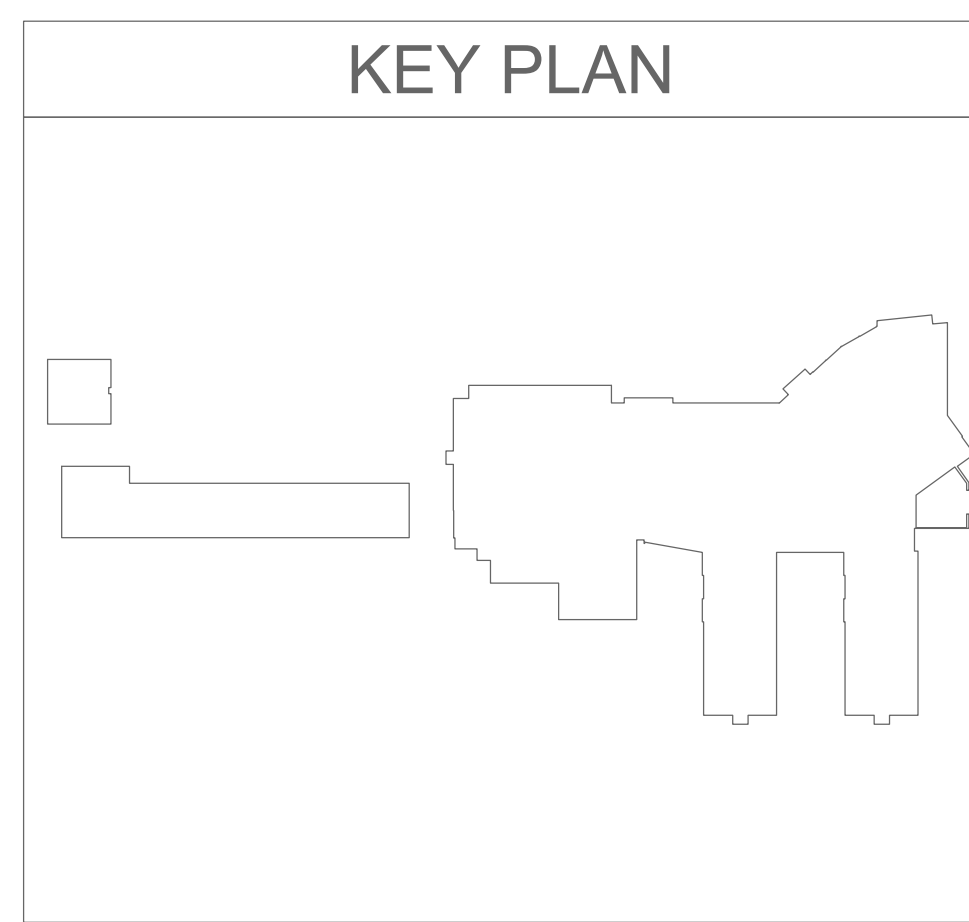


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SHEET CONTENTS  
**ELECTRICAL POWER PLAN**

**EP1.3**