

**KEYNOTES:**

1. TYPICAL PENDANT FIXTURE SHALL BE MOUNTED AT +11' AFF. SUSPENSION LENGTH CABLE FROM THE CEILING TO THE FIXTURE IS 5' LONG.
2. PROVIDE AN ASTRONOMICAL TIME CLOCK FOR SHUT OFF CONTROLL.
3. TYPICAL WALPACK WITH MOTION SENSOR FOR 8-15' MOUNTING HEIGHTS WITH PHOTOCELL PREPROGRAMMED FOR DUSK TO DAWN OPERATION MOUNTED AT +11' AFF.

**GENERAL NOTES:**

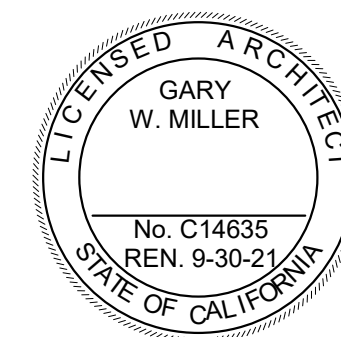
- A. COORDINATE EXACT LOCATION OF EACH LIGHT FIXTURE WITH MECHANICAL PIPING, CONDUIT, HVAC GRILLES, ETC. FIELD ADJUST ANY LIGHT TO AVOID CONFLICT.
- B. ALL ELECTRICAL CONTROL DEVICES SHALL BE MOUNTED AT A HEIGHT THAT IS ACCESSIBLE TO THE DISABLED IN ACCORDANCE WITH THE CALIFORNIA ACCESSIBILITY CODE. REFER TO ELECTRICAL SHEET EXXX FOR MOUNTING HEIGHTS OF ELECTRICAL CONTROL DEVICES.
- C. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT TYPE AND HEIGHT OF CEILING IN EACH ROOM. COORDINATE WITH ARCHITECT/ENGINEER PRIOR TO ROUGH-IN OF ANY FIXTURES. COORDINATE ALL CONTROL JOINTS LOCATIONS WITH LIGHT FIXTURES PRIOR TO ANY ROUGH-IN OF FIXTURES.
- D. PROVIDE CONDUIT AND WIRING AS REQUIRED TO MEET CIRCUITING SHOWN TO CONFORM TO NEC REQUIREMENTS. PROVIDE EQUIPMENT GROUND CONDUCTOR IN ALL RACEWAYS.
- E. REFER TO ELECTRICAL DETAIL DRAWINGS FOR MOUNTING HEIGHTS OF ALL WALL MOUNTED ELECTRICAL DEVICES.
- F. ALL LIGHT FIXTURE SHALL BE LOCATED AS "+9'-0" AFF, OTHERWISE WILL BE NOTED
- G. ALL WALL MOUNTED EXIT LIGHT SHALL BE MOUNTED AT "+8" AFF.

 PRIMARY DAYLIT ZONE. SECONDARY DAYLIT ZONE

**architecture**  
**interiors**  
**planning**



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info@miller-aip.com**



## owner approval

initials	date	phase

## revisions/addenda

#	Date	Comment
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ANIMAL CARE CENTER

18313 VALLEY BLVD. BLOOMINGTON, CA 92313

SAN BERNARDINO COUNTY

## project information

Project Number:	1227
Drawn By:	Author
Checked By:	PS
Issue Date:	05/17/24

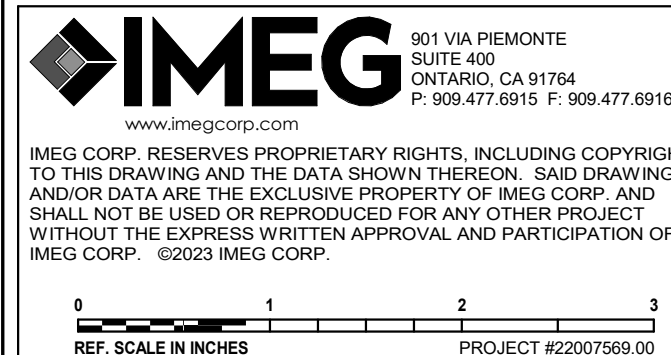
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CAT & OTHER  
ANIMALS BUILDING  
LIGHTING FLOOR  
PLAN

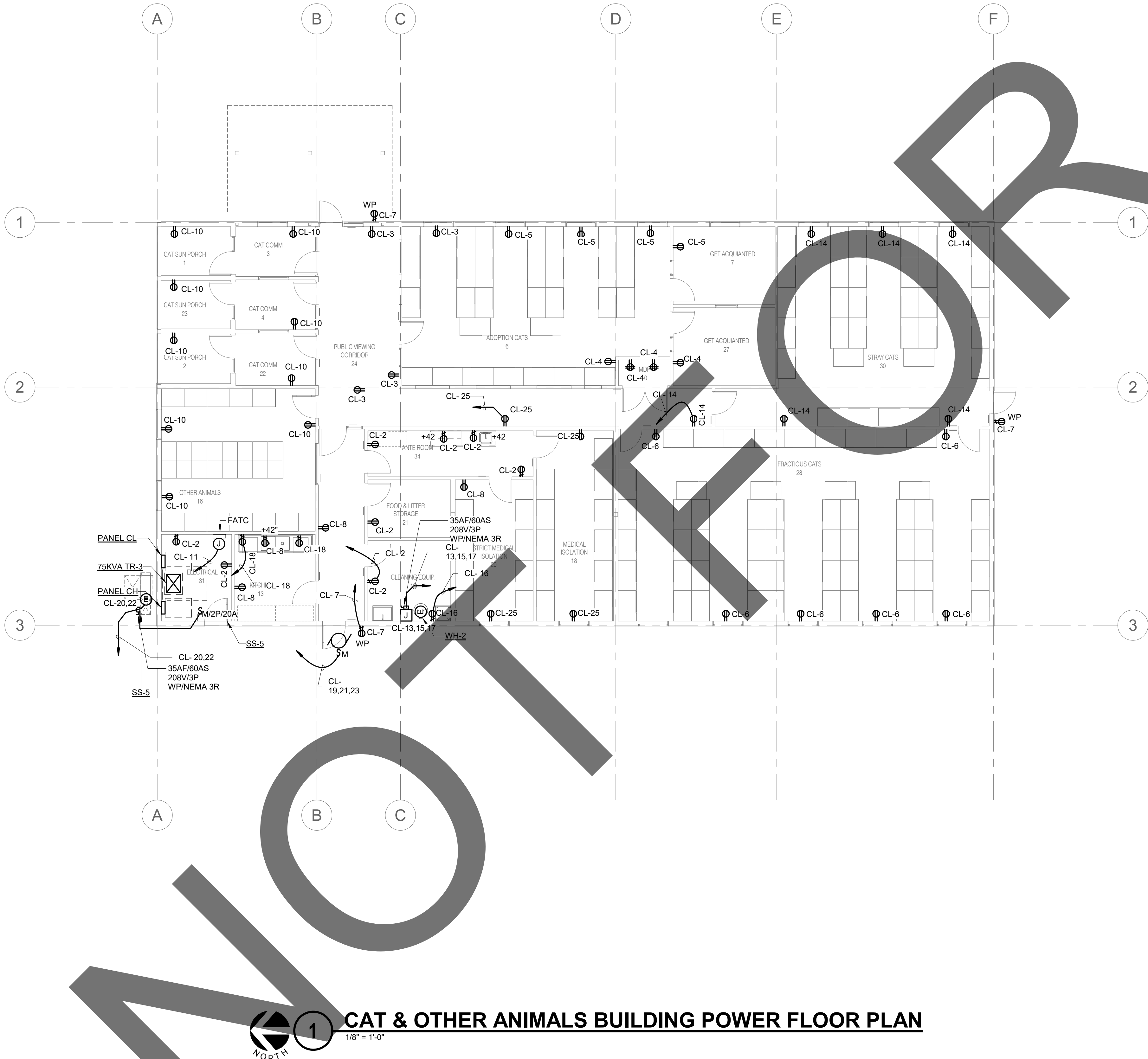
## sheet number

ED-101

Sheet	Of	Sheets
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**PRELIMINARY  
NOT FOR  
CONSTRUCTION**



GENERAL NOTES

- A. ALL RECEPTACLES ON COMMON WALLS SHALL BE MOUNTED AT 18" AFF
- B. WHERE RECEPTACLES ARE INSTALLED IN MODULAR FURNITURE IN OPENED OFFICE AREAS, PROVIDE MARKING FOR CONTROLLED RECEPTACLES TO SAPARATE THEM FROM UNCONTROLLED RECEPTACLE.
- C. ALPHABET A STANDS FOR HEIGHT MOUNTED AT +12" FROM WORK COUNTER SURFACE TO THE CENTER OF OBJECT.
- D. ELECTRICAL ROOM WILL COMPLY WITH CEC 110.26(C)(2) AND CEC 110.26(C)(3).
- E. MOUNT EQUIPMENT DISCONNECT SWITCH ADJACENT TO MECHANICAL EQUIPMENT IN ACCESSIBLE CEILING SPACE. FIELD VERIFY EXACT LOCATION.
- F. REFER TO ES-100 FOR HVAC UNITS SOURCE CIRCUIT NUMBER WIRE AND RACEWAY SIZE.
- G. PROVIDE 120V 20A JUNCTION BOX FOR FIRE ALARM BELL. HOME RUN TO AVAILABLE 20A CIRCUIT BREAKER AT 120/208V PANEL. COORDINATE WITH FIRE ALARM FOR EXACT LOCATION AND ELEVATION.

KEYNOTES: #

- 1. DASHED LINE CONDUIT DENOTES BELOW THE FLOOR.
- 2. PROVIDE 120V SPLITWIRED QUAD WITH ONE CONTROLLED AND ONE CONTROLLED RECEPTACLE

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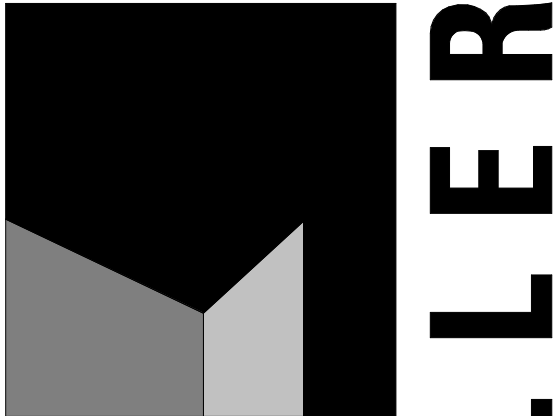
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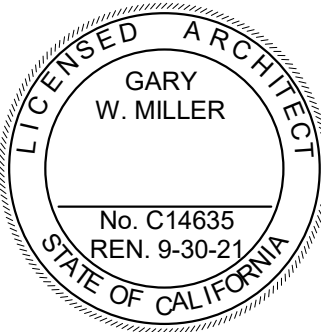
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architecture  
interiors  
planning



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revisions/addenda

#	Date	Comment
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project information

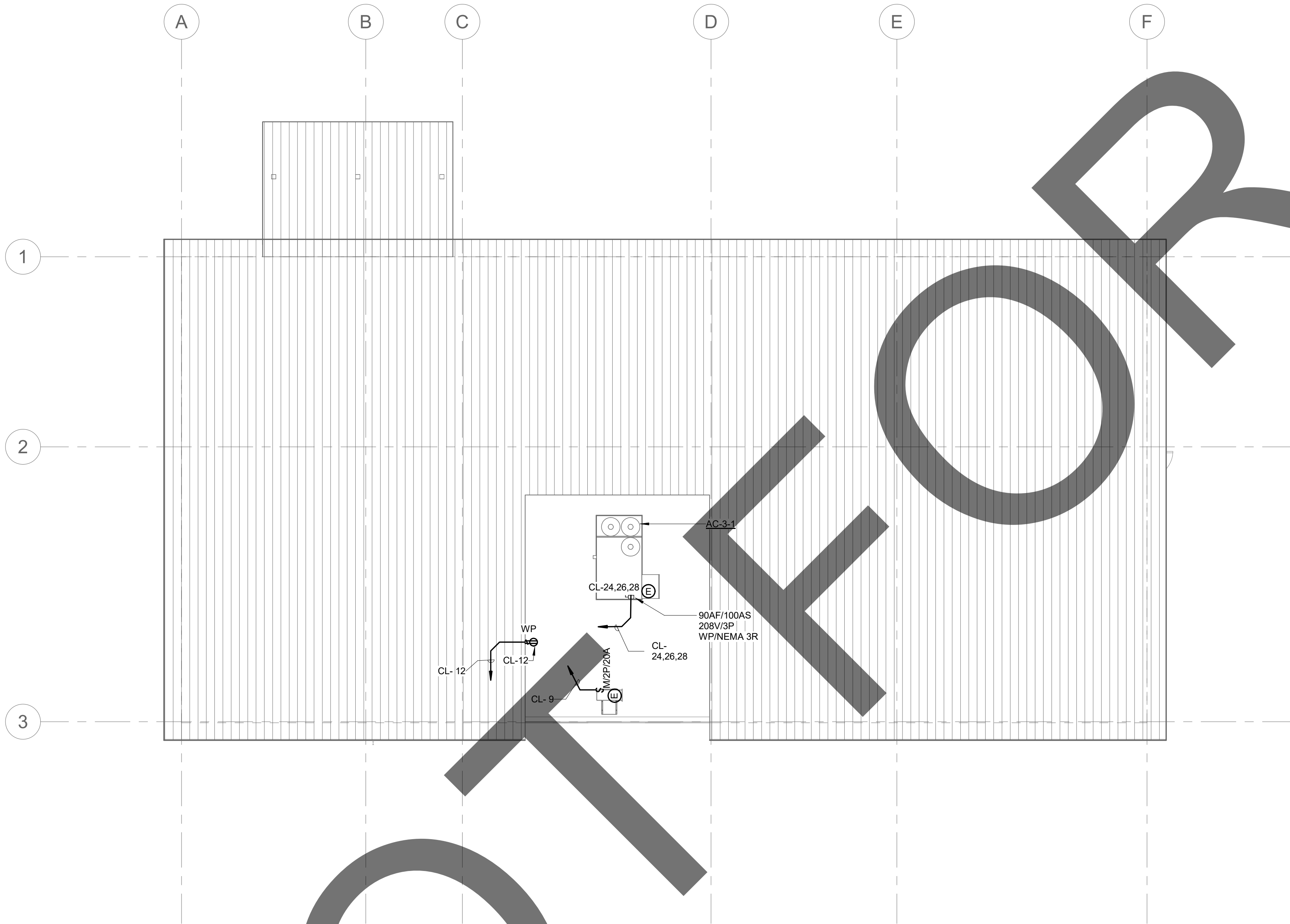
Project Number:	1227
Drawn By:	Author
Checked By:	PS
Issue Date:	05/17/24

sheet name

CAT & OTHER  
ANIMALS BUILDING  
POWER FLOOR PLAN

sheet number

ED-201




1

1/8" = 1'-0"

CAT & OTHER ANIMALS BUILDING POWER ROOF PLAN

GENERAL NOTES

- A. ALL RECEPTACLES ON THE ROOF SHALL BE GFCI AND WEATHER PROOF.
- B. ALL DISCONNECT SWITCH ON THE ROOF SHALL BE WEATHER PROOF RATED MEMA OR TYPE.
- C. TYPICAL E-CONNECTION STANDS FOR ELECTRICAL POWER CONNECT POINT FROM LOADS TO ELECTRICAL EQUIPMENT.
- D. MOUNT EQUIPMENT DISCONNECT SWITCH ADJACENT TO MECHANICAL EQUIPMENT IN ACCESSIBLE CEILING SPACE. FIELD VERIFY EXACT LOCATION.
- E. REFER TO ES-100 FOR HVAC UNITS SOURCE CIRCUIT NUMBER WIRE AND RACEWAY SIZE.



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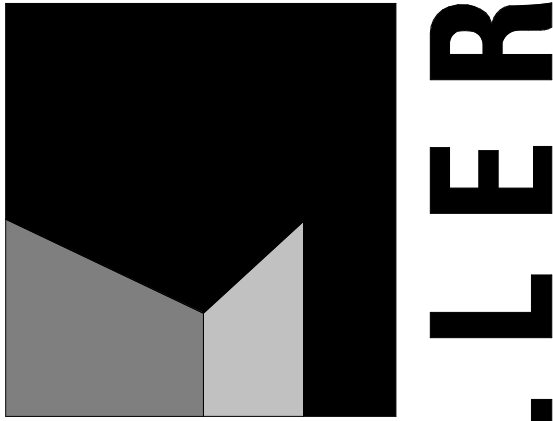
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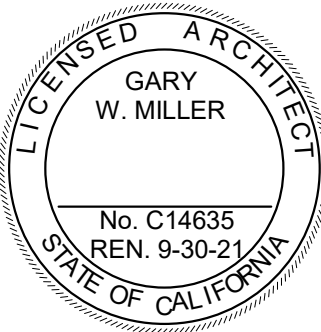


architecture  
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revisions/addenda

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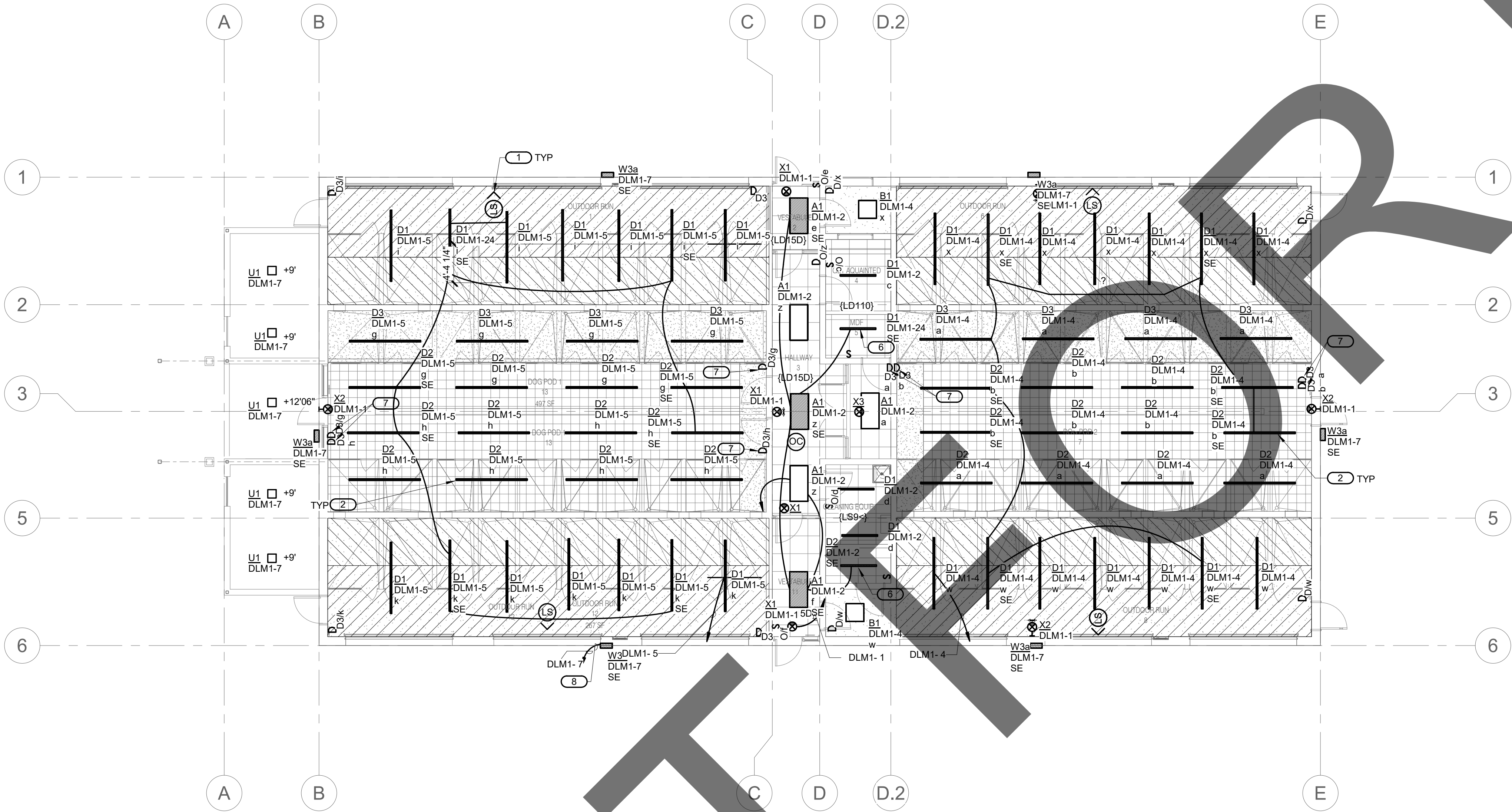
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CAT & OTHER  
ANIMALS BUILDING  
POWER ROOF PLAN

sheet number

ED-202

Sheet      Of      Sheets

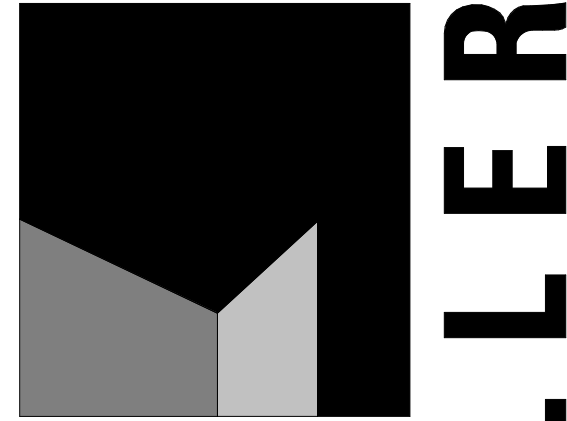


GENERAL NOTES:

- PRIMARY DAYLIT ZONE.
- SECONDARY DAYLIT ZONE.
- A. COORDINATE EXACT LOCATION OF EACH LIGHT FIXTURE WITH MECHANICAL PIPING, CONDUIT, HVAC GRILLES, ETC. FIELD ADJUST ANY LIGHT TO AVOID CONFLICT
- B. ALL ELECTRICAL CONTROL DEVICES SHALL BE MOUNTED AT A HEIGHT THAT IS ACCESSIBLE TO THE DISABLED IN ACCORDANCE WITH THE CALIFORNIA ACCESSIBILITY CODE. REFER TO ELECTRICAL SHEET EXXX FOR MOUNTING HEIGHTS OF ELECTRICAL CONTROL DEVICES.
- C. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT TYPE AND HEIGHT OF CEILING IN EACH ROOM. COORDINATE WITH ARCHITECT/ENGINEER PRIOR TO ROUGH-IN OF ANY FIXTURES. COORDINATE ALL CONTROL JOINTS LOCATIONS WITH LIGHT FIXTURES PRIOR TO ANY ROUGH-IN OF FIXTURES
- D. PROVIDE CONDUIT AND WIRING AS REQUIRED TO MEET CIRCUITING SHOWN TO CONFORM TO NEC REQUIREMENTS. PROVIDE EQUIPMENT GROUND CONDUCTOR IN ALL RACEWAYS.
- E. REFER TO ELECTRICAL DETAIL DRAWINGS FOR MOUNTING HEIGHTS OF ALL WALL MOUNTED ELECTRICAL DEVICES.
- F. ALL LIGHT FIXTURE SHALL BE LOCATED AS +9'-0" AFF, OTHERWISE WILL BE NOTED.
- G. PROVIDE UNSWITCH CIRCUIT CONDUCTOR TO EXIT SIGN & EMERGENCY BATTERY UNIT.

KEYNOTES: #

1. THREE ZONE CEILING DAYLIGHT LEVEL SENSOR IS MOUNTED AT CEILING.
2. TYPICAL TYPE D2 FIXTURE SHALL BE MOUNTED AT +10'10" AFF, TOTAL SUSPENSION CABLE LENGTH FROM CEILING TO THE FIXTURE SHALL BE ABOUT 7' 0" LONG.
3. TYPICAL TYPE D3 FIXTURE SHALL BE MOUNTED AT +10'10" AFF AT THE CEILING.
4. TYPICAL TYPE D1 FIXTURE SHALL BE MOUNTED AT +10'10" AFF AT THE CEILING.
5. TYPICAL WALPACK WITH MOTION SENSOR FOR 8-15' MOUNTING HEIGHTS WITH PHOTOCELL PREPROGRAMMED FOR DUSK TO DAWN OPERATION MOUNTED AT +11' AFF.
6. PROVIDE AN ASTRONOMICAL TIME CLOCK FOR SHUT OFF CONTROLL.
7. LIGHTING SWITCH IN WET ENVIRONMENT SHALL BE WET RATED TYPE.



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initials	date	phase

revisions/addenda

#	Date	Comment
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ANIMAL CARE CENTER

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SAN BERNARDINO COUNTY

project information

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Checked By: PS  
Issue Date: 05/17/24

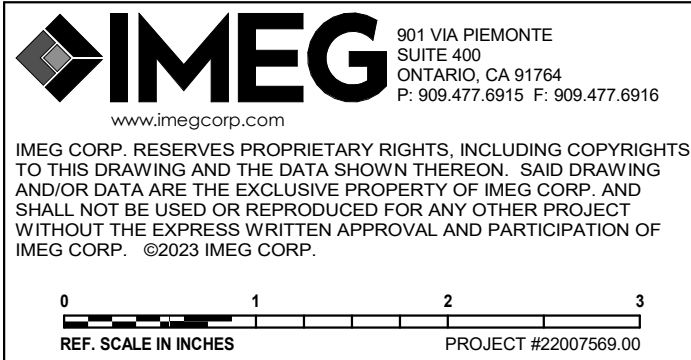
sheet name

ADOPTION DOG  
BUILDING 1 LIGHTING  
FLOOR PLAN

sheet number

EE-101

Sheet Of Sheets

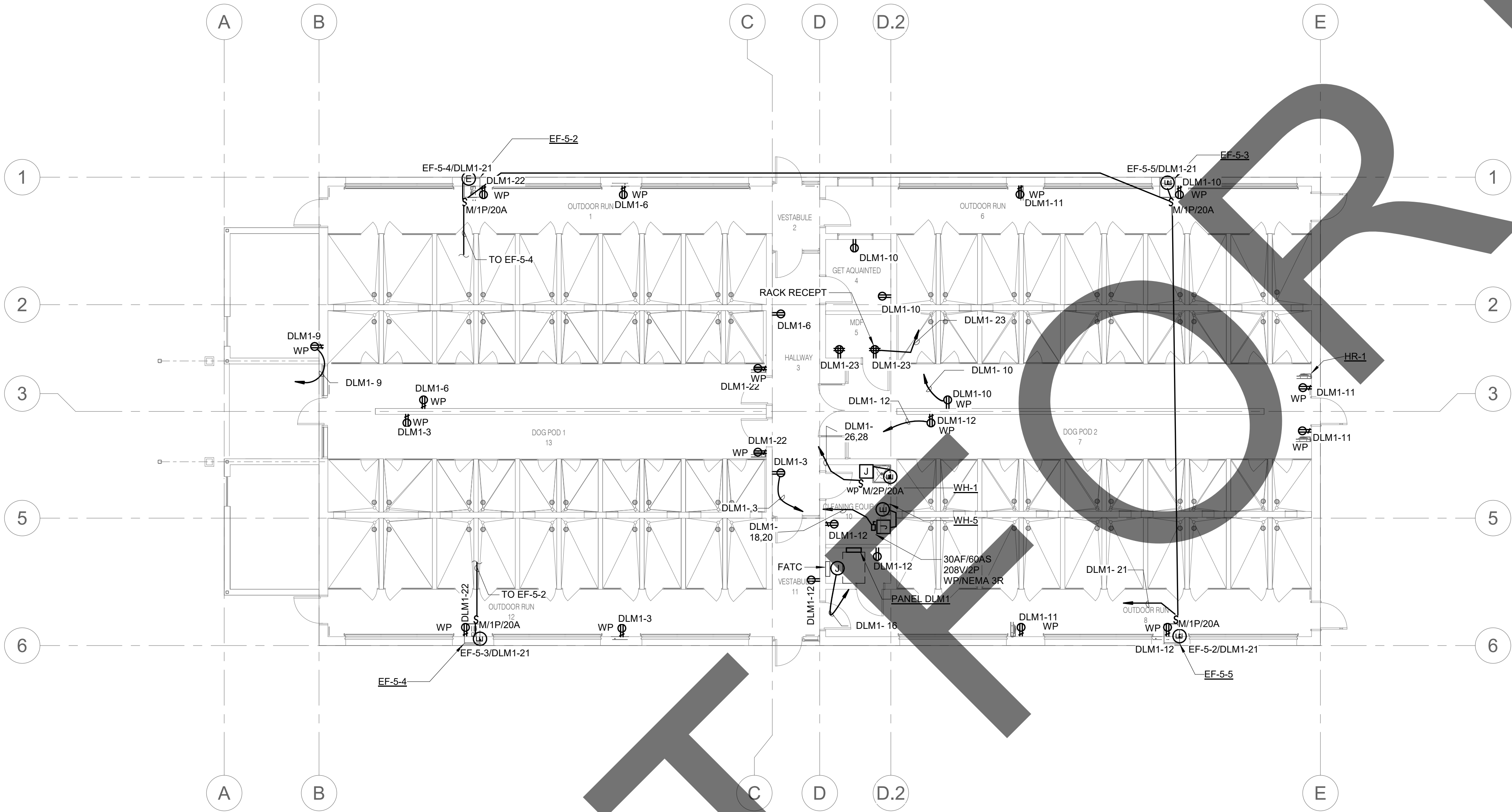


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ADOPTION DOG BUILDING 1 LIGHTING FLOOR PLAN

1/8" = 1'-0"





1

1/8" = 1'-0"

## ADOPTION DOG BUILDING 1 POWER FLOOR PLAN

### GENERAL NOTES

- ALL RECEPTACLES ON COMMON WALLS SHALL BE MOUNTED AT 18" AFF
- WHERE RECEPTACLES ARE INSTALLED IN MODULAR FURNITURE IN OPENED OFFICE AREAS, PROVIDE MARKING FOR CONTROLLED RECEPTACLES TO SAPARATE THEM FROM UNCONTROLLED RECEPTACLE.
- ALPHABET A STANDS FOR HEIGHT MOUNTED AT +12" FROM WORK COUNTER SURFACE TO THE CENTER OF OBJECT.
- ELECTRICAL ROOM WILL COMPLY WITH CEC 110.26(C)(2) AND CEC 110.26(C)(3).
- ELECTRICAL ROOM WILL COMPLY WITH CEC 110.26(C)(2) AND CEC 110.26(C)(3).
- TYPICAL E-CONNECTION STANDS FOR ELECTRICAL POWER CONNECT POINT FROM LOADS TO ELECTRICAL EQUIPMENT.
- MOUNT EQUIPMENT DISCONNECT SWITCH ADJACENT TO MECHANICAL EQUIPMENT IN ACCESSIBLE CEILING SPACE. FIELD VERIFY EXACT LOCATION.
- REFER TO ES-100 FOR HVAC UNITS SOURCE CIRCUIT NUMBERWIRE AND RACEWAY SIZE.
- REFER TO T-203 & T-401 FOR RACK RECEPTACLE ELEVATION AND LOCATION FOR INSTALLING.
- PROVIDE 120V 20A JUNCTION BOX FOR FIRE ALARM BELL. HOME RUN TO AVAILABLE 20A CIRCUIT BREAKER AT 120/208V PANEL. COORDINATE WITH FIRE ALARM FOR EXACT LOCATION AND ELEVATION.

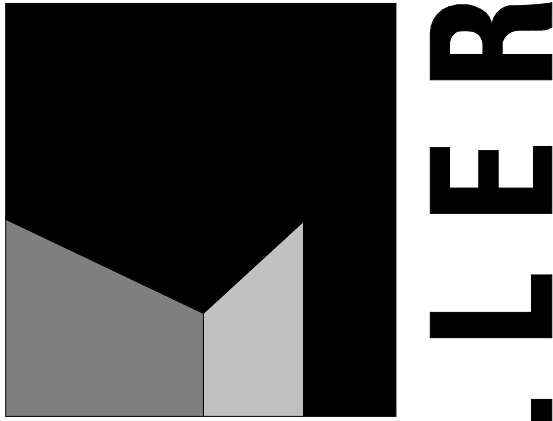
KEYNOTES: #

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### revisions/addenda

#	Date	Comment
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ANIMAL CARE CENTER

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SAN BERNARDINO COUNTY

### project information

Project Number:	1227
Drawn By:	Author
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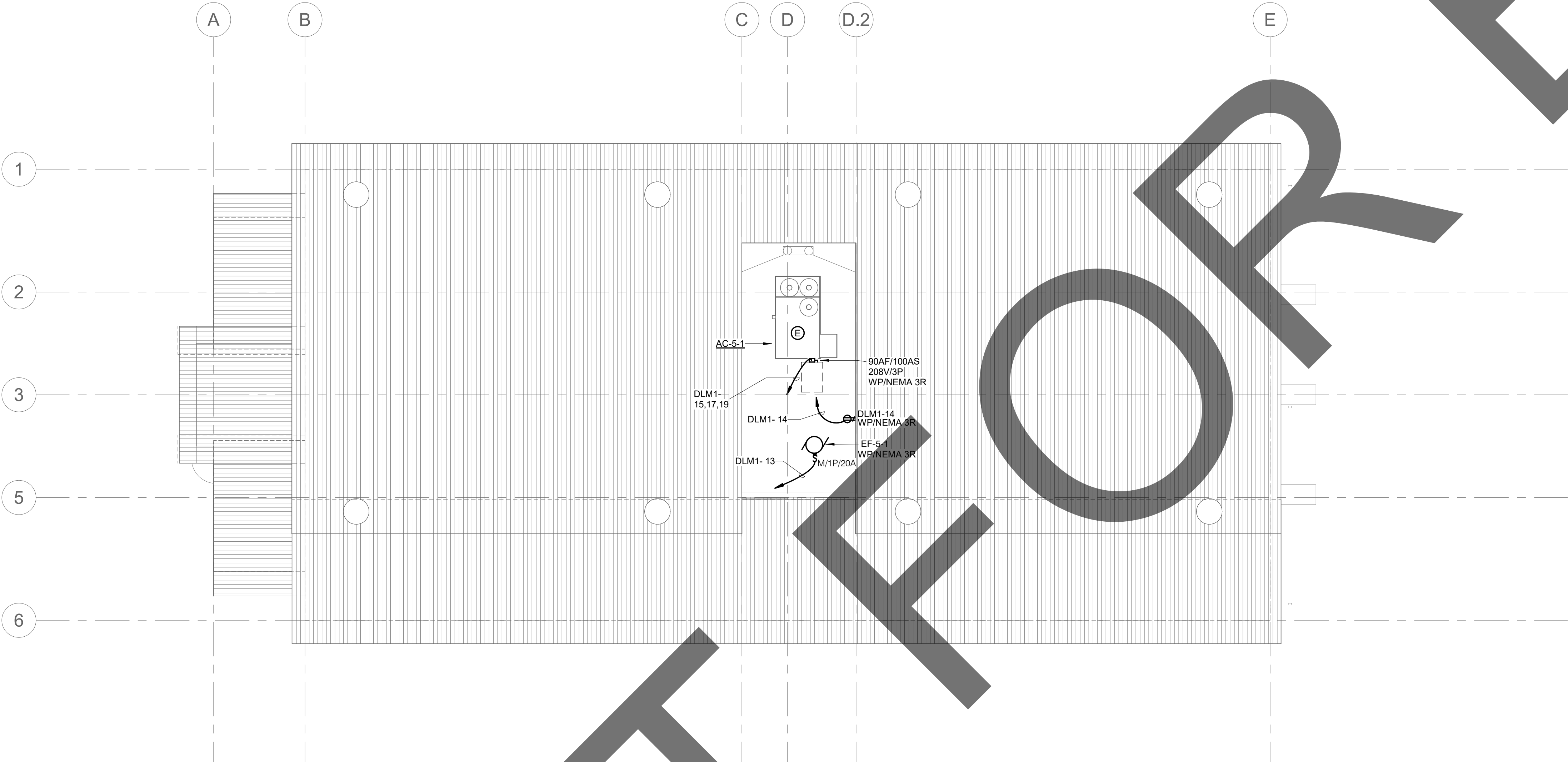
### sheet name

ADOPTION DOG  
BUILDING 1 POWER  
FLOOR PLAN

### sheet number

EE-201

Sheet Of Sheets



### GENERAL NOTES

A. ALL RECEPTACLES ON THE ROOF SHALL BE GFCI AND WEATHER PROOF.

B. ALL DISCONNECT SWITCH ON THE ROOF SHALL BE WEATHER PROOF RATED MEMA 3R TYPE.

C. TYPICAL E-CONNECTION STANDS FOR ELECTRICAL POWER CONNECT POINT FROM LOADS TO ELECTRICAL EQUIPMENT.

D. MOUNT EQUIPMENT DISCONNECT SWITCH ADJACENT TO MECHANICAL EQUIPMENT IN ACCESSIBLE CEILING SPACE. FIELD VERIFY EXACT LOCATION.

E. REFER TO ES-100 FOR HVAC UNITS SOURCE CIRCUIT NUMBER WIRE AND RACEWAY SIZE.

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#	Date	Comment

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Drawn By: Author

Checked By: PS

Issue Date: 05/17/24

**sheet name**

ADOPTION DOG  
BUILDING 1 POWER  
ROOF PLAN

**sheet number**

EE-202

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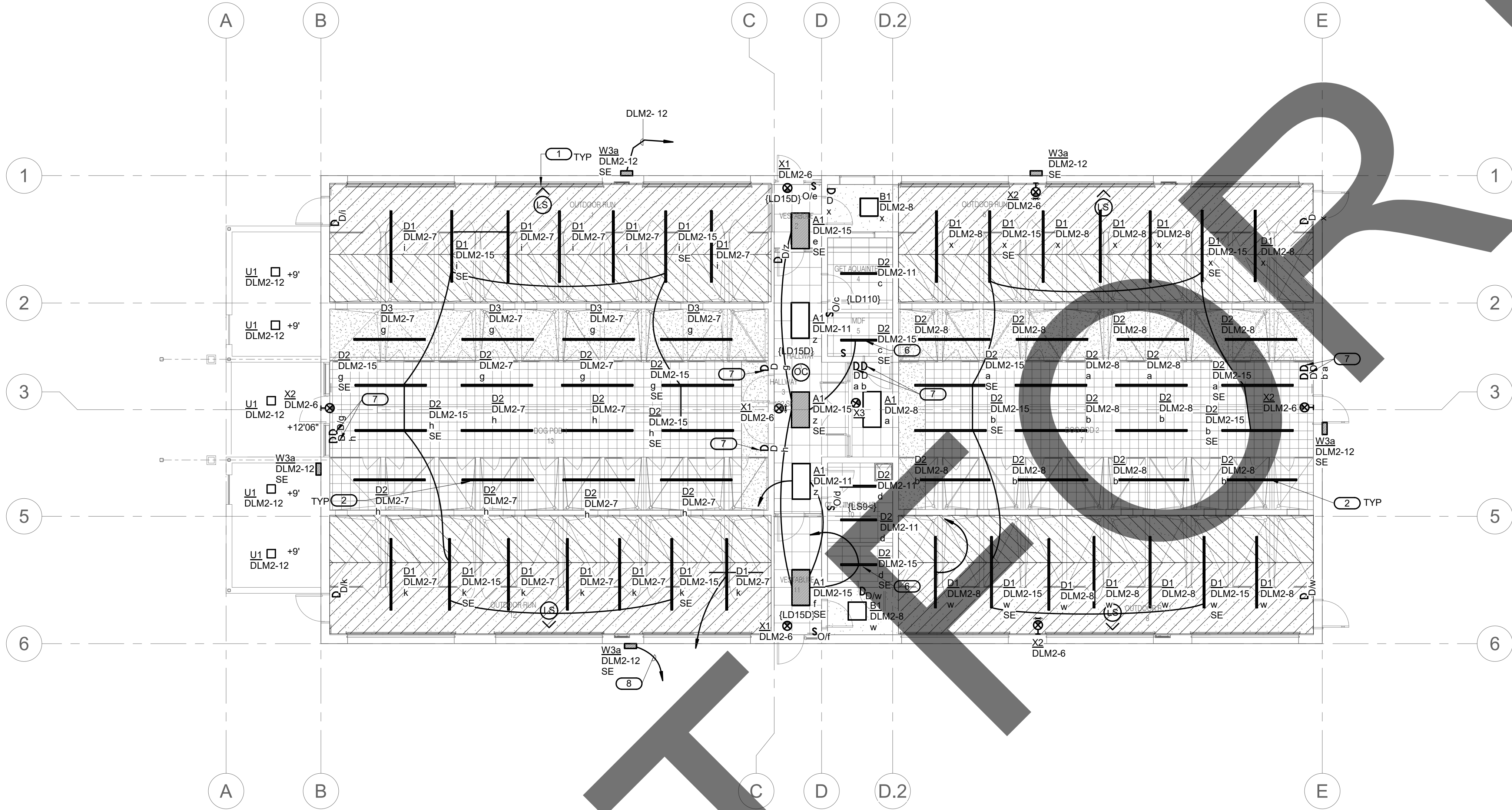
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REF. SCALE IN INCHES PROJECT #22007569.00



1

ADOPTION DOG BUILDING 1 POWER ROOF PLAN

1/8" = 1'-0"

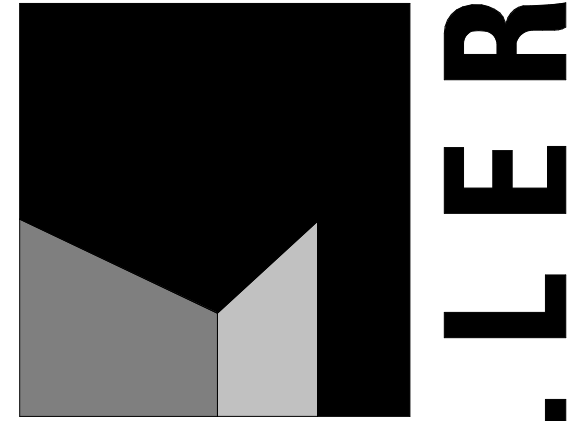


GENERAL NOTES:

1. PRIMARY DAYLIT ZONE.
2. SECONDARY DAYLIT ZONE.
- A. COORDINATE EXACT LOCATION OF EACH LIGHT FIXTURE WITH MECHANICAL PIPING, CONDUIT, HVAC GRILLES, ETC. FIELD ADJUST ANY LIGHT TO AVOID CONFLICT
- B. ALL ELECTRICAL CONTROL DEVICES SHALL BE MOUNTED AT A HEIGHT THAT IS ACCESSIBLE TO THE DISABLED IN ACCORDANCE WITH THE CALIFORNIA ACCESSIBILITY CODE. REFER TO ELECTRICAL SHEET EXXX FOR MOUNTING HEIGHTS OF ELECTRICAL CONTROL DEVICES.
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- D. PROVIDE CONDUIT AND WIRING AS REQUIRED TO MEET CIRCUITING SHOWN TO CONFORM TO NEC REQUIREMENTS. PROVIDE EQUIPMENT GROUND CONDUCTOR IN ALL RACEWAYS.
- E. REFER TO ELECTRICAL DETAIL DRAWINGS FOR MOUNTING HEIGHTS OF ALL WALL MOUNTED ELECTRICAL DEVICES.
- F. ALL LIGHT FIXTURE SHALL BE LOCATED AS +9'-0" AFF, OTHERWISE WILL BE NOTED.
- G. PROVIDE UNSWITCH CIRCUIT CONDUCTOR TO EXIT SIGN & EMERGENCY BATTERY UNIT.

KEYNOTES: ( # )

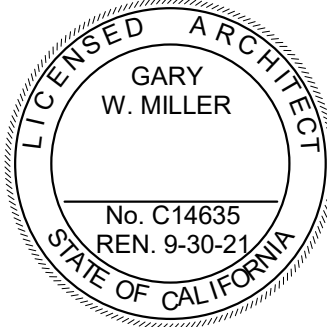
1. WALL-MOUNTED LIGHTING FIXTURE IS LOCATED IN THE ELEVATOR ELEVATION PIT.
2. WALL MOUNTED SWITCH LOCATED IN THE ELEVATOR PIT.
3. WALL MOUNTED 0-6 HOURS TIMER ON WEATHER/ROOF CAST ALUMINUM COVER AT +48"
4. TYPICAL TYPE D2 FIXTURE SHALL BE MOUNTED AT +10'10" AFF, TOTAL SUSPENSION CABLE LENGTH FROM CEILING TO THE FIXTURE SHALL BE ABOUT 7' 0" LONG.
5. TYPICAL TYPE D3 FIXTURE SHALL BE MOUNTED AT +10'10" AFF AT THE CEILING.
6. TYPICAL TYPE D1 FIXTURE SHALL BE MOUNTED AT +10'10" AFF AT THE CEILING.
7. TYPICAL LIGHT FIXTURE MOUNT AT 10' AFF.
8. TYPICAL WALPACK WITH MOTION SENSOR FOR 8-15' MOUNTING HEIGHTS WITH PHOTOCELL PREPROGRAMMED FOR DUSK TO DAWN OPERATION MOUNTED AT +11' AFF.



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ANIMAL CARE CENTER

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SAN BERNARDINO COUNTY

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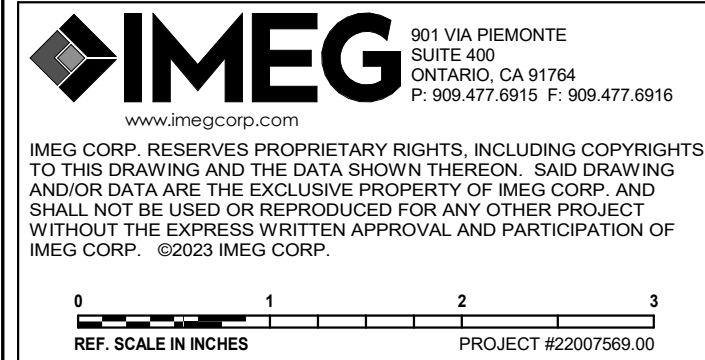
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ADOPTION DOG  
BUILDING 2 LIGHTING  
FLOOR PLAN

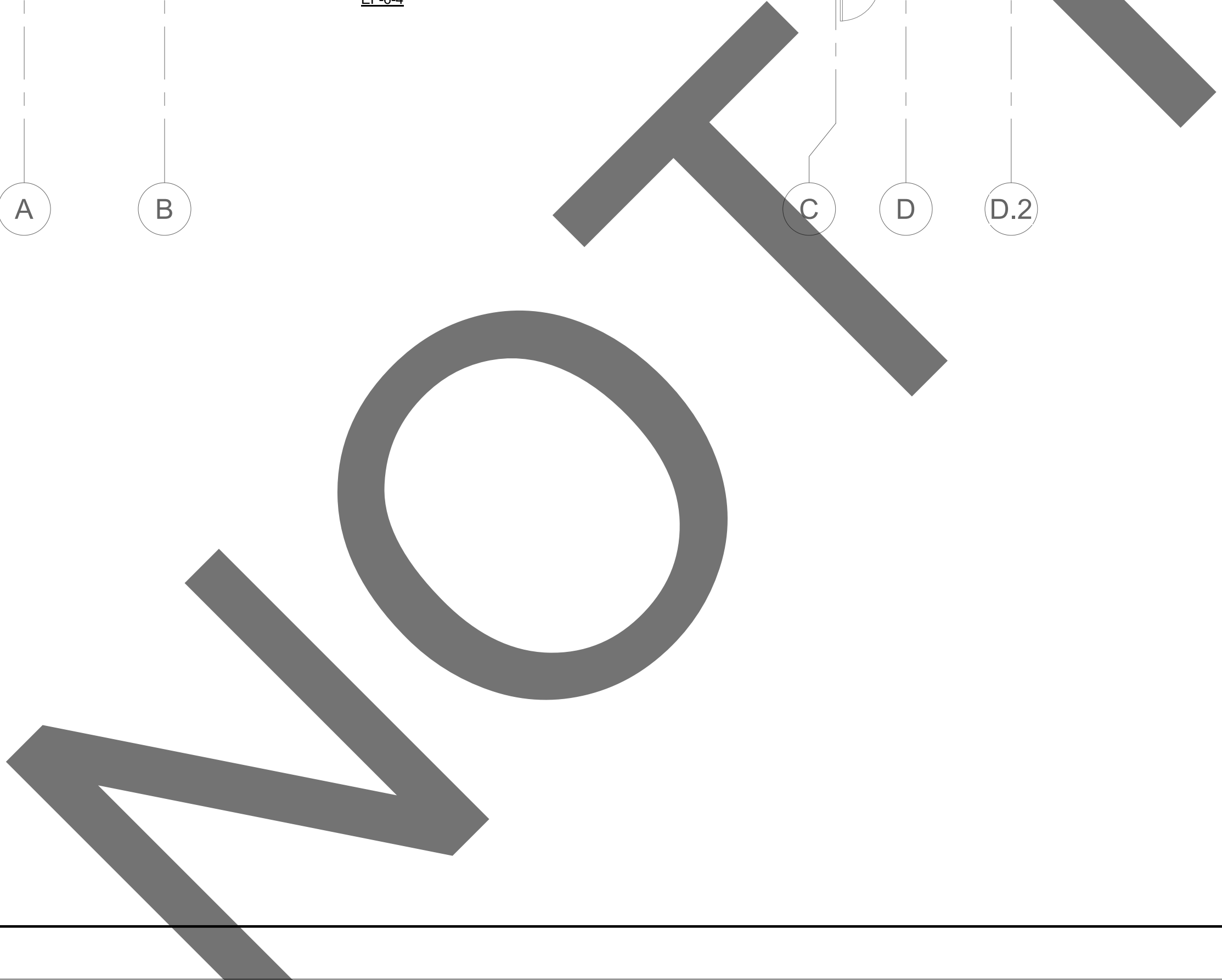
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EF-101

Sheet Of Sheets



PRELIMINARY  
NOT FOR  
CONSTRUCTION



- A. ALL RECEPTACLES ON COMMON WALLS SHALL BE MOUNTED AT 18" AFF
- B. WHERE RECEPTACLES ARE INSTALLED IN MODULAR FURNITURE IN OPENED OFFICE AREAS, PROVIDE MARKING FOR CONTROLLED RECEPTACLES TO SEPARATE THEM FROM UNCONTROLLED RECEPTACLE.
- C. ALPHABET A STANDS FOR HEIGHT MOUNTED AT +12" FROM WORK COUNTER SURFACE TO THE CENTER OF OBJECT.
- D. ELECTRICAL ROOM WILL COMPLY WITH CEC 110.26(C)(2) AND CEC 110.26(C)(3).
- E. TYPICAL E-CONNECTION STANDS FOR ELECTRICAL POWER CONNECT POINT FROM LOADS TO ELECTRICAL EQUIPMENT.
- F. MOUNT EQUIPMENT DISCONNECT SWITCH ADJACENT TO MECHANICAL EQUIPMENT IN ACCESSIBLE CEILING SPACE. FIELD VERIFY EXACT LOCATION.
- G. REFER TO ES-100 FOR HVAC UNITS SOURCE CIRCUIT NUMBERWIRE AND RACEWAY SIZE.
- H. REFER TO T-203 & T-401 FOR RACK RECEPTACLE ELEVATION AND LOCATION FOR INSTALLING.
- I. PROVIDE 120V 20A JUNCTION BOX FOR FIRE ALARM BELL. HOME RUN TO AVAILABLE 20A CIRCUIT BREAKER AT 120/208V PANEL. COORDINATE WITH FIRE ALARM FOR EXACT LOCATION AND ELEVATION.

100



#	Date	Comment
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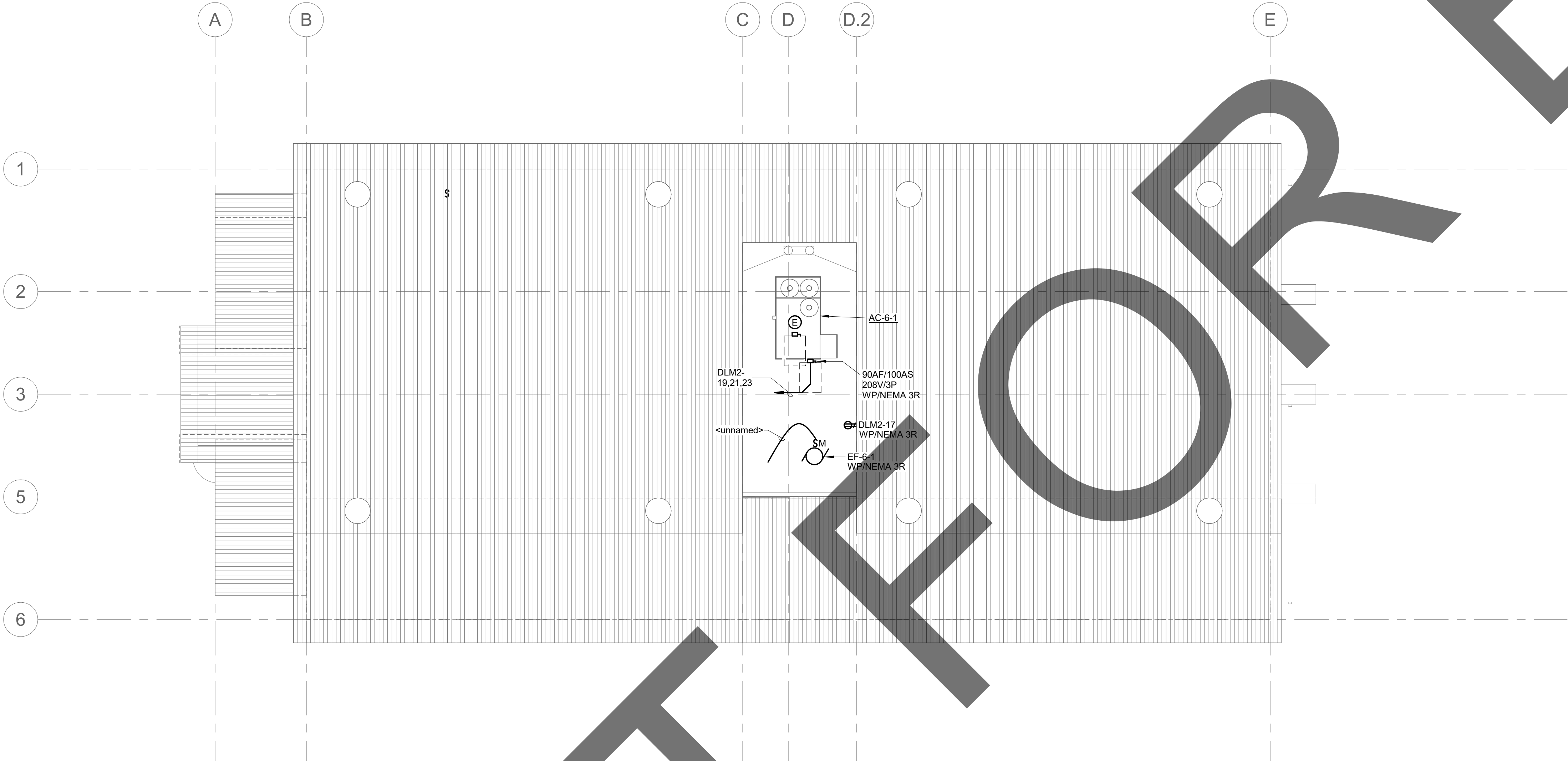
Project Number: 1227  
 Drawn By: Author  
 Checked By: PS  
 Issue Date: 05/17/24

ADOPTION DOG  
BUILDING 2 POWER  
FLOOR PLAN

## EF-201

Sheet                      Of                      Sheets





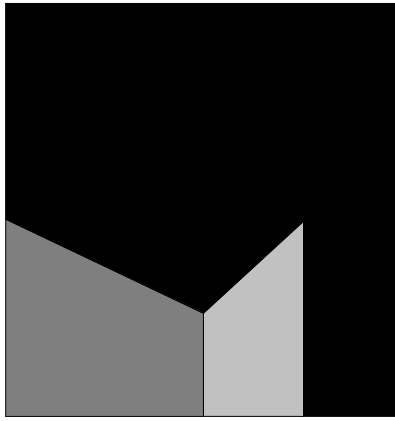
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1/8" = 1'-0"

## ADOPTION DOG BUILDING 2 POWER ROOF PLAN

### GENERAL NOTES

- A. ALL RECEPTACLES ON THE ROOF SHALL BE GFICI AND WEATHER PROOF.
- B. ALL DISCONNECT SWITCH ON THE ROOF SHALL BE WEATHER PROOF RATED MEMA 3R TYPE.
- C. TYPICAL E-CONNECTION STANDS FOR ELECTRICAL POWER CONNECT POINT FROM LOADS TO ELECTRICAL EQUIPMENT
- D. MOUNT EQUIPMENT DISCONNECT SWITCH ADJACENT TO MECHANICAL EQUIPMENT IN ACCESSIBLE CEILING SPACE. FIELD VERIFY EXACT LOCATION.
- E. REFER TO ES-100 FOR HVAC UNITS SOURCE CIRCUIT NUMBER WIRE AND RACEWAY SIZE.



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### revisions/addenda

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SAN BERNARDINO COUNTY

### project information

Project Number:	1227
Drawn By:	Author
Checked By:	PS
Issue Date:	05/17/24

### sheet name

ADOPTION DOG  
BUILDING 2 POWER  
ROOF PLAN

### sheet number

EF-202

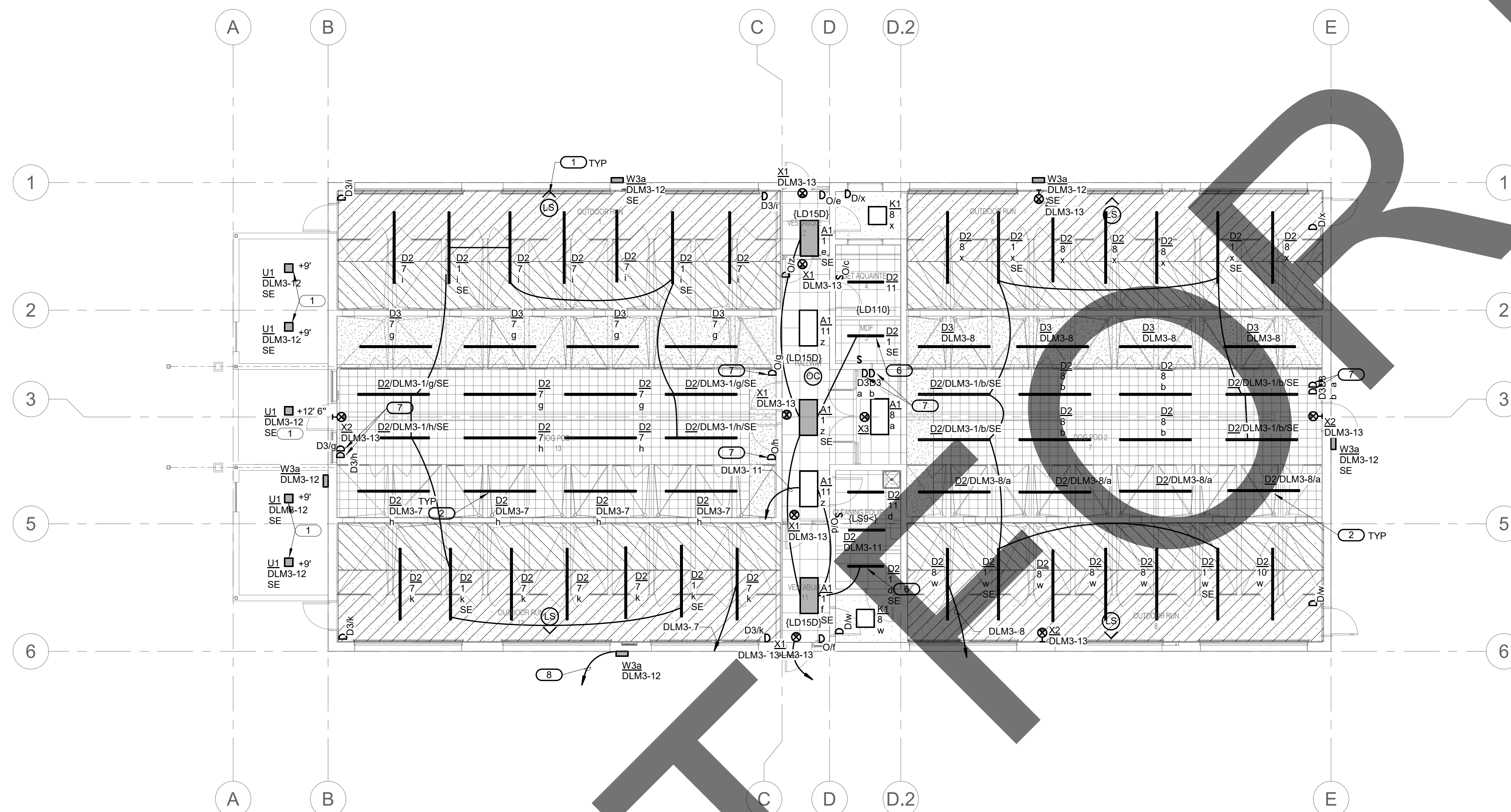
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
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**GENERAL NOTES:**

-  PRIMARY DAYLIT ZONE.

 SECONDARY DAYLIT ZONE.

  - A. COORDINATE EXACT LOCATION OF EACH LIGHT FIXTURE WITH MECHANICAL PIPING, CONDUIT, HVAC GRILLES, ETC. FIELD ADJUST ANY LIGHT TO AVOID CONFLICT
  - B. ALL ELECTRICAL CONTROL DEVICES SHALL BE MOUNTED AT A HEIGHT THAT IS ACCESSIBLE TO THE DISABLED IN ACCORDANCE WITH THE CALIFORNIA ACCESSIBILITY CODE. REFER TO ELECTRICAL SHEET EXXX FOR MOUNTING HEIGHTS OF ELECTRICAL CONTROL DEVICES.
  - C. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT TYPE AND HEIGHT OF CEILING IN EACH ROOM. COORDINATE WITH ARCHITECT/ENGINEER PRIOR TO ROUGH-IN OF ANY FIXTURES. COORDINATE ALL CONTROL JOINTS LOCATIONS WITH LIGHT FIXTURES PRIOR TO ANY ROUGH-IN OF FIXTURES.
  - D. PROVIDE CONDUIT AND WIRING AS REQUIRED TO MEET CIRCUITING SHOWN TO CONFORM TO NEC REQUIREMENTS. PROVIDE EQUIPMENT GROUND CONDUCTOR IN ALL RACEWAYS.
  - E. REFER TO ELECTRICAL DETAIL DRAWINGS FOR MOUNTING HEIGHTS OF ALL WALL MOUNTED ELECTRICAL DEVICES.
  - F. ALL LIGHT FIXTURE SHALL BE LOCATED AS +9'-0" AFF, OTHERWISE WILL BE NOTED.
  - G. PROVIDE UNSWITCH CIRCUIT CONDUCTOR TO EXIT SIGN & EMERGENCY BATTERY UNIT.

**KEYNOTES:** #

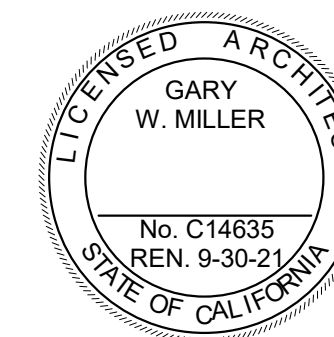
- 1.
- 2.
3. WALL MOUNTED 0-6 HOURS TIMER ON WEATHER ROOF CAST ALUMINUM COVER AT +48'
4. TYPICAL TYPE D2 FIXTURE SHALL BE MOUNTED AT +10'10" AFF, TOTAL SUSPENSION CABLE LENGTH FROM CEILING TO THE FIXTURE SHALL BE ABOUT 7' 0" LONG.
5. TYPICAL TYPE D3 FIXTURE SHALL BE MOUNTED AT +10'10" AFF AT THE CEILING.
6. TYPICAL TYPE D1 FIXTURE SHALL BE MOUNTED AT +10'10" AFF AT THE CEILING.
7. TYPICAL LIGHT FIXTURE MOUNT AT 10' AFF.
8. TYPICAL WALPACK WITH MOTION SENSOR FOR 8-15' MOUNTING HEIGHTS WITH PHOTOCCELL PREPROGRAMMED FOR DUSK TO DAWN OPERATION MOUNTED AT +11' AFF.



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**planning**



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info@millar-aip.com**



## owner approval

initials	date	phase

## revisions/addenda

#	Date	Comment
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ANIMAL CARE CENTER

18313 VALLEY BLVD. BLOOMINGTON, CA 92313

SAN BERNARDINO COUNTY

## project information

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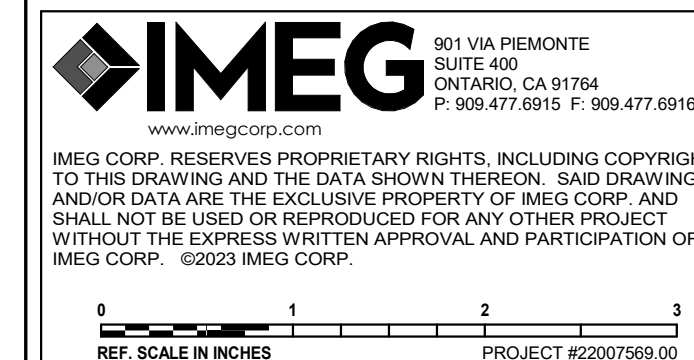
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### ADOPTION DOG BUILDING 3 LIGHTING FLOOR PLAN

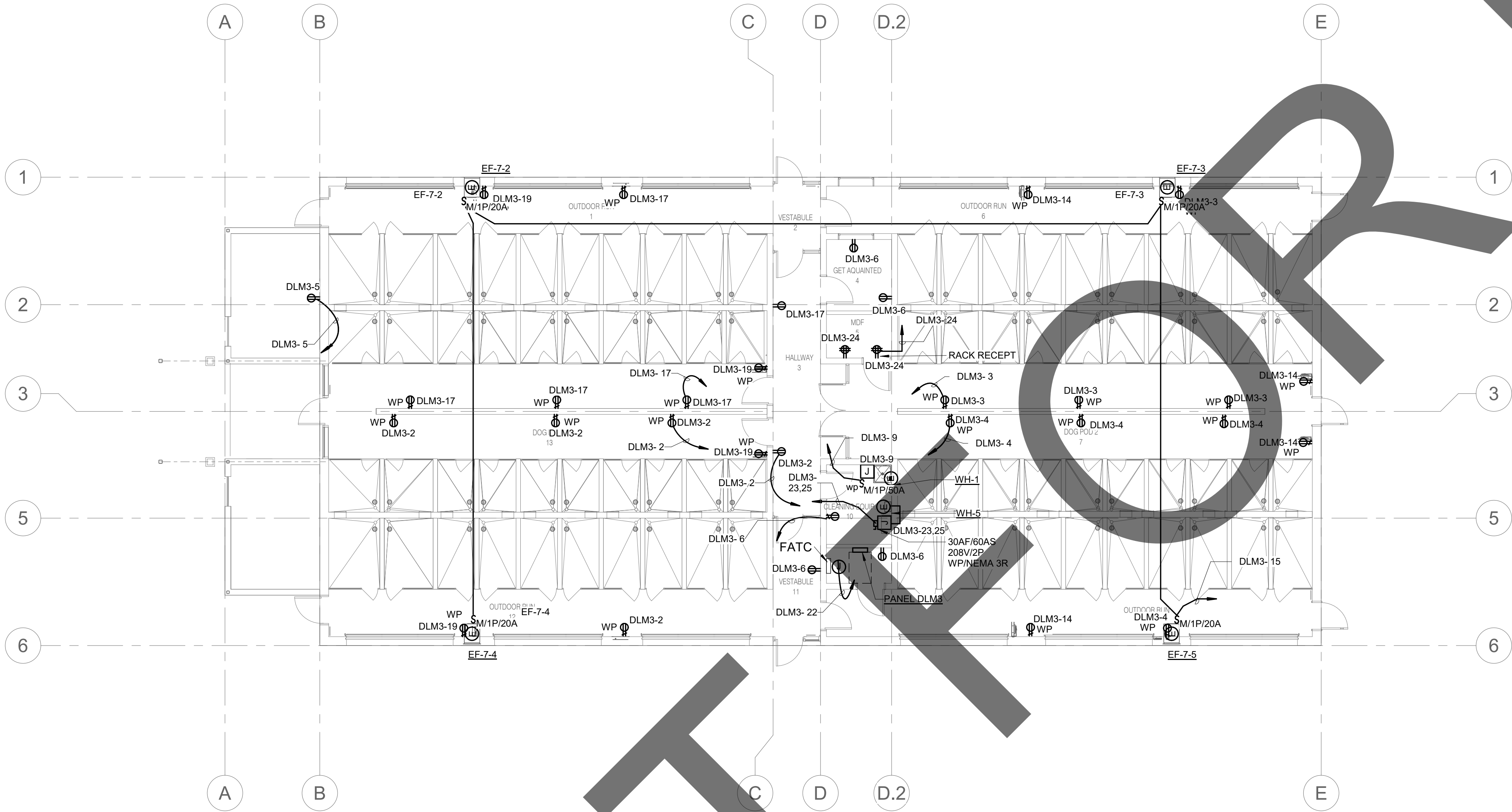
## sheet number

EG-101

Sheet	Of	Sheets
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1

1/8" = 1'-0"

## ADOPTION DOG BUILDING 3 POWER FLOOR PLAN

### GENERAL NOTES

- ALL RECEPTACLES ON COMMON WALLS SHALL BE MOUNTED AT 18" AFF
- WHERE RECEPTACLES ARE INSTALLED IN MODULAR FURNITURE IN OPENED OFFICE AREAS, PROVIDE MARKING FOR CONTROLLED RECEPTACLES TO SAPARATE THEM FROM UNCONTROLLED RECEPTACLE.
- ALPHABET A STANDS FOR HEIGHT MOUNTED AT +12" FROM WORK COUNTER SURFACE TO THE CENTER OF OBJECT.
- ELECTRICAL ROOM WILL COMPLY WITH CEC 110.26(C)(2) AND CEC 110.26(C)(3).
- TYPICAL E-CONNECTION STANDS FOR ELECTRICAL POWER CONNECT POINT FROM LOADS TO ELECTRICAL EQUIPMENT.
- MOUNT EQUIPMENT DISCONNECT SWITCH ADJACENT TO MECHANICAL EQUIPMENT IN ACCESSIBLE CEILING SPACE. FIELD VERIFY EXACT LOCATION.
- REFER TO ES-100 FOR HVAC UNITS SOURCE CIRCUIT NUMBERWIRE AND RACEWAY SIZE.
- REFER TO T-203 & T-401 FOR RACK RECEPTACLE ELEVATION AND LOCATION FOR INSTALLING.
- PROVIDE 120V 20A JUNCTION BOX FOR FIRE ALARM BELL. HOME RUN TO AVAILABLE 20A CIRCUIT BREAKER AT 120/208V PANEL. COORDINATE WITH FIRE ALARM FOR EXACT LOCATION AND ELEVATION.

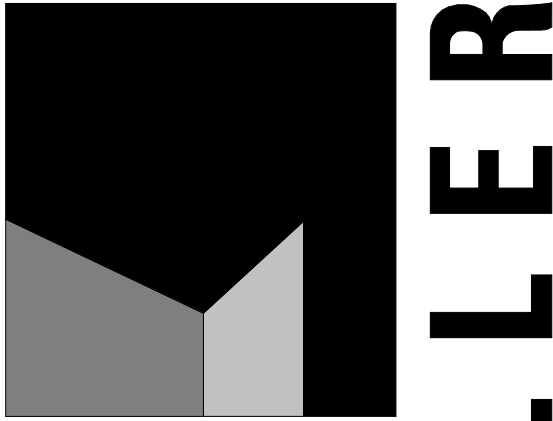
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### revisions/addenda

#	Date	Comment
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ANIMAL CARE CENTER

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SAN BERNARDINO COUNTY

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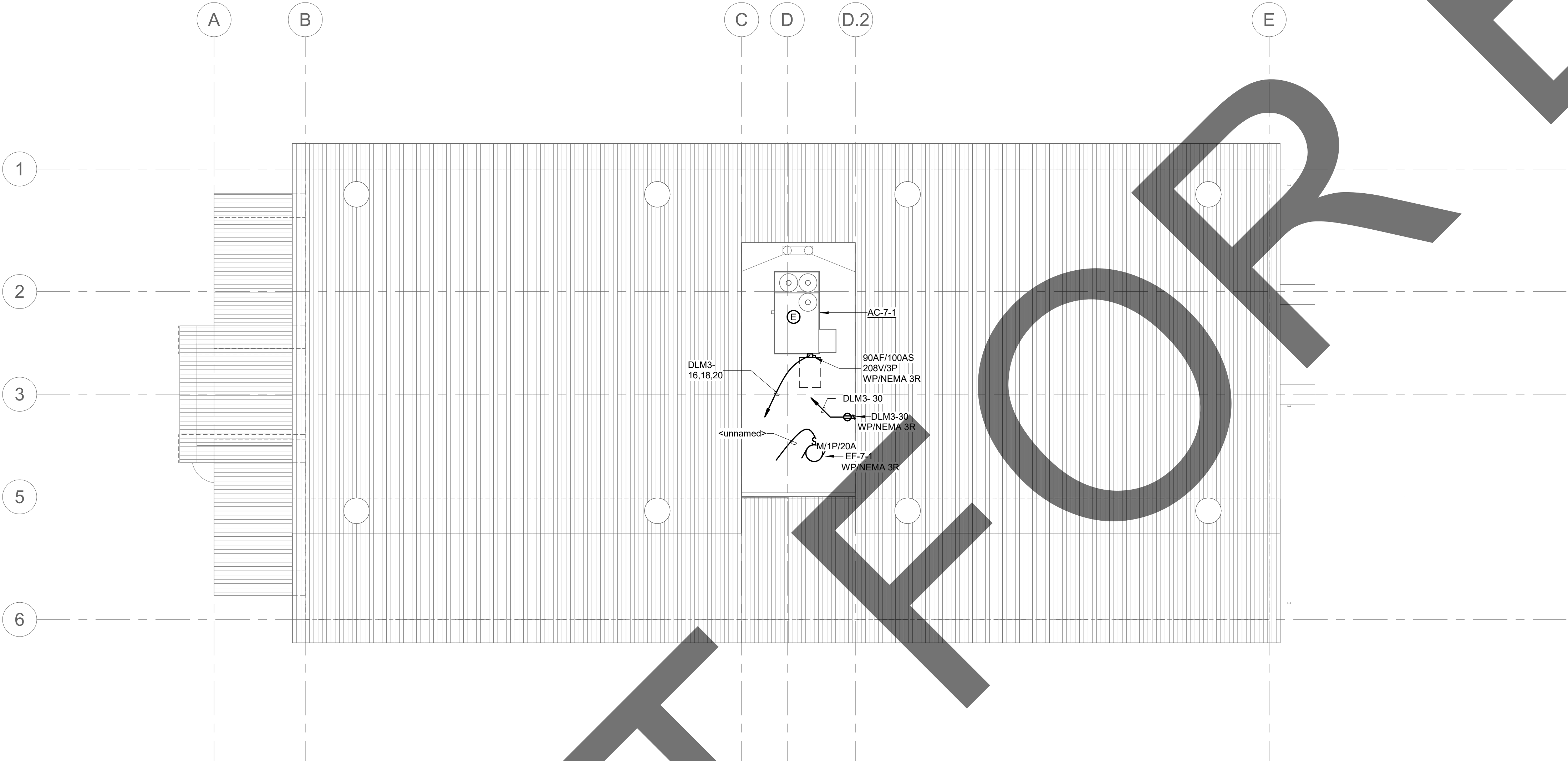
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ADOPTION DOG  
BUILDING 3 POWER  
FLOOR PLAN

### sheet number

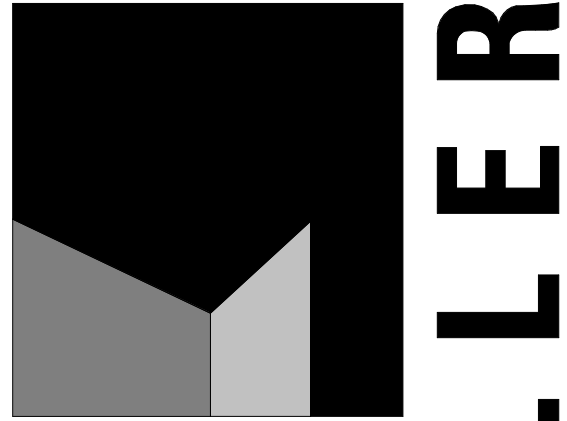
EG-201

Sheet Of Sheets



### GENERAL NOTES

- A. ALL RECEPTACLES ON THE ROOF SHALL BE GFCI AND WEATHER PROOF.
- B. ALL DISCONNECT SWITCH ON THE ROOF SHALL BE WEATHER PROOF RATED MEMA 3R TYPE.
- C. TYPICAL E-CONNECTION STANDS FOR ELECTRICAL POWER CONNECT POINT FROM LOADS TO ELECTRICAL EQUIPMENT.
- D. MOUNT EQUIPMENT DISCONNECT SWITCH ADJACENT TO MECHANICAL EQUIPMENT IN ACCESSIBLE CEILING SPACE. FIELD VERIFY EXACT LOCATION.
- E. REFER TO ES-100 FOR HVAC UNITS SOURCE CIRCUIT NUMBER WIRE AND RACEWAY SIZE.



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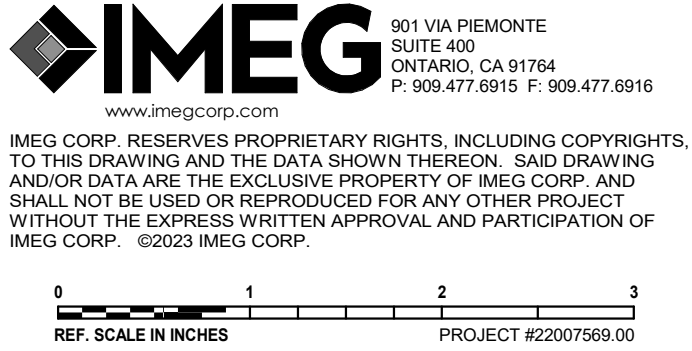
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ADOPTION DOG  
BUILDING 3 POWER  
ROOF PLAN

### sheet number

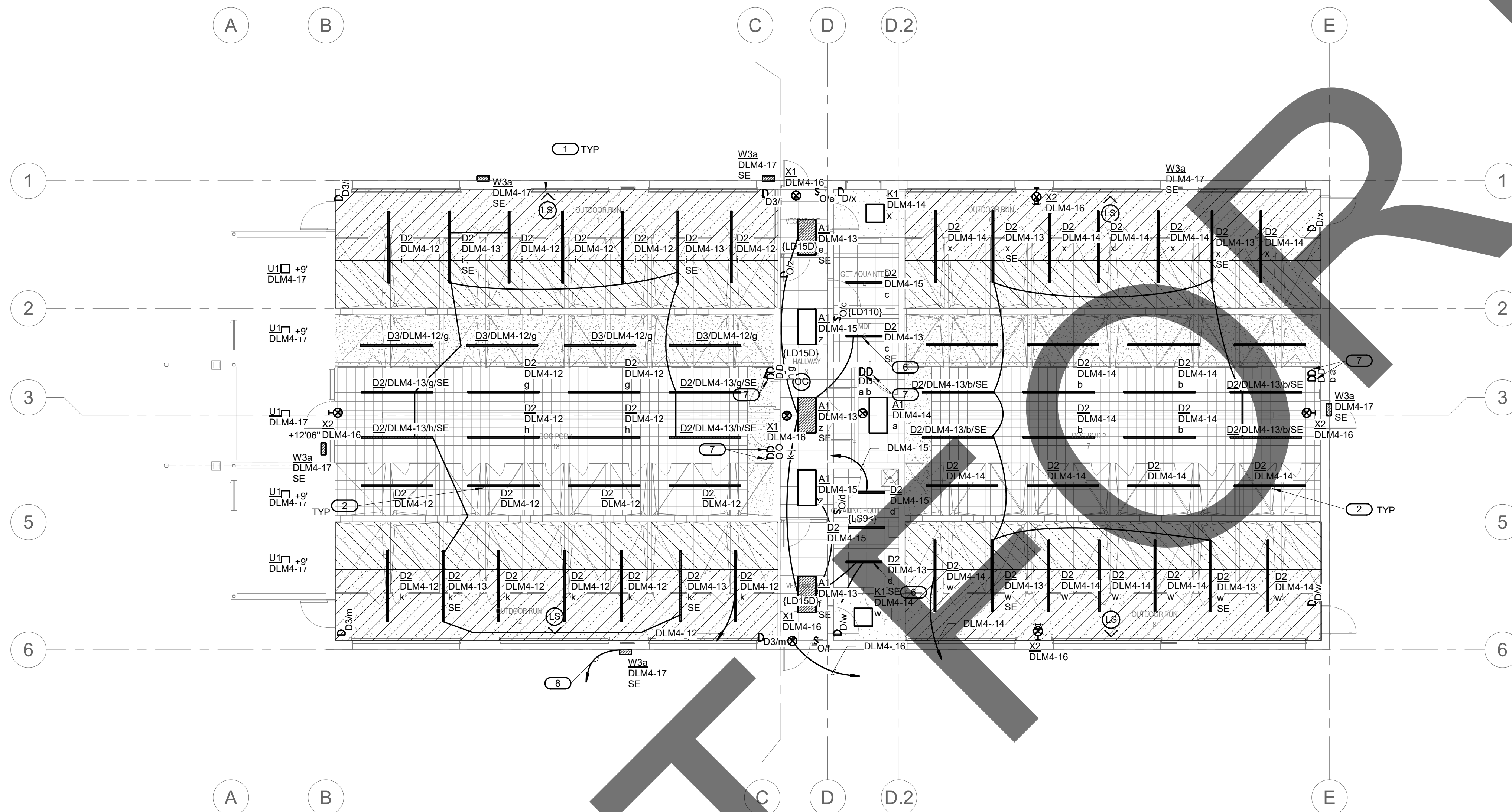
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
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**GENERAL NOTES:**

-  PRIMARY DAYLIT ZONE.

 SECONDARY DAYLIT ZONE.

  - A. COORDINATE EXACT LOCATION OF EACH LIGHT FIXTURE WITH MECHANICAL PIPING, CONDUIT, HVAC GRILLES, ETC. FIELD ADJUST ANY LIGHT TO AVOID CONFLICT
  - B. ALL ELECTRICAL CONTROL DEVICES SHALL BE MOUNTED AT A HEIGHT THAT IS ACCESSIBLE TO THE DISABLED IN ACCORDANCE WITH THE CALIFORNIA ACCESSIBILITY CODE. REFER TO ELECTRICAL SHEET EXXX FOR MOUNTING HEIGHTS OF ELECTRICAL CONTROL DEVICES.
  - C. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT TYPE AND HEIGHT OF CEILING IN EACH ROOM. COORDINATE WITH ARCHITECT/ENGINEER PRIOR TO ROUGH-IN OF ANY FIXTURES. COORDINATE ALL CONTROL JOINTS LOCATIONS WITH LIGHT FIXTURES PRIOR TO ANY ROUGH-IN OF FIXTURES
  - D. PROVIDE CONDUIT AND WIRING AS REQUIRED TO MEET CIRCUITING SHOWN TO CONFORM TO NEC REQUIREMENTS. PROVIDE EQUIPMENT GROUND CONDUCTOR IN ALL RACEWAYS.
  - E. REFER TO ELECTRICAL DETAIL DRAWINGS FOR MOUNTING HEIGHTS OF ALL WALL MOUNTED ELECTRICAL DEVICES.
  - F. ALL LIGHT FIXTURE SHALL BE LOCATED AS +9'-0" AFF. OTHERWISE WILL BE NOTED.
  - G. PROVIDE UNSWITCH CIRCUIT CONDUCTOR TO EXIT SIGN & EMERGENCY BATTERY UNIT

**KEYNOTES:**

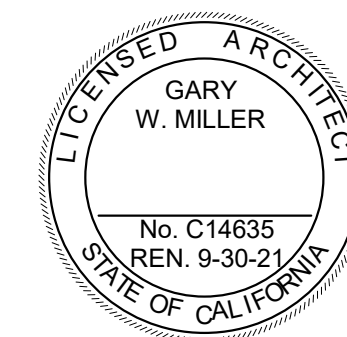
1. WALL-MOUNTED LIGHTING FIXTURE IS LOCATED IN THE ELEVATOR ELEVATION PIT.
2. WALL MOUNTED SWITCH LOCATED IN THE ELEVATOR PIT.
3. WALL MOUNTED 0-6 HOURS TIMER ON WEATHER ROOF CAST ALUMINUM COVER AT +48
4. TYPICAL TYPE D2 FIXTURE SHALL BE MOUNTED AT +10'10" AFF. TOTAL SUSPENSION CABLE LENGTH FROM CEILING TO THE FIXTURE SHALL BE ABOUT 7' 0" LONG.
5. TYPICAL TYPE D3 FIXTURE SHALL BE MOUNTED AT +10'10" AFF AT THE CEILING.
6. TYPICAL TYPE D1 FIXTURE SHALL BE MOUNTED AT +10'10" AFF AT THE CEILING.
7. TYPICAL LIGHT FIXTURE MOUNT AT 10' AFF.
8. TYPICAL WALLPAC WITH MOTION SENSOR FOR 8-15' MOUNTING HEIGHTS WITH PHOTOCELL PREPROGRAMMED FOR DUSK TO DAWN OPERATION MOUNTED AT +11' AFF.



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initials	date	phase

## revisions/addenda

#	Date	Comment
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ANIMAL CARE CENTER

18313 VALLEY BLVD. BLOOMINGTON, CA 92313

**SAN BERNARDINO COUNTY**

## project information

Project Number:	1227
Drawn By:	Author
Checked By:	PS
Issue Date:	05/17/24

## sheet name

## STRAY DOG BUILDING LIGHTING FLOOR PLAN

## sheet number

EH-101

Sheet	Of	Sheets
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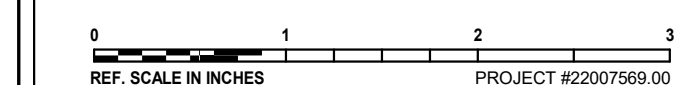


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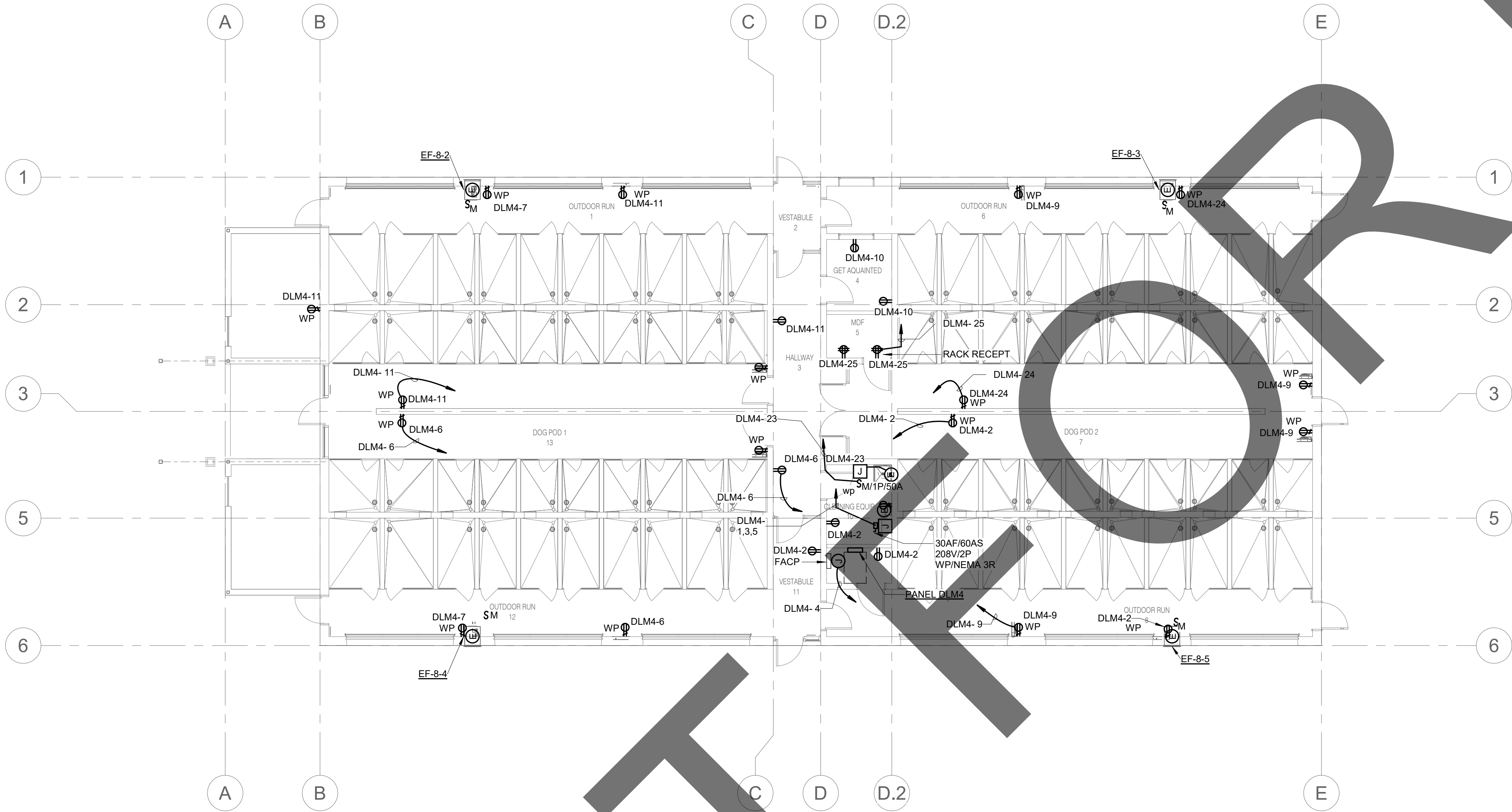
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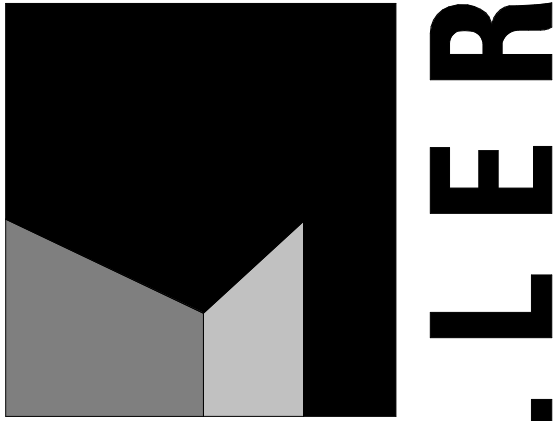
## STRAY DOG BUILDING LIGHTING FLOOR PLAN

$$1/8'' = 1'-0''$$



- GENERAL NOTES**
- A. ALL RECEPTACLES ON COMMON WALLS SHALL BE MOUNTED AT 18" AFF
  - B. WHERE RECEPTACLES ARE INSTALLED IN MODULAR FURNITURE IN OPENED OFFICE AREAS, PROVIDE MARKING FOR CONTROLLED RECEPTACLES TO SAPARATE THEM FROM UNCONTROLLED RECEPTACLE.
  - C. ALPHABET A STANDS FOR HEIGHT MOUNTED AT +12" FROM WORK COUNTER SURFACE TO THE CENTER OF OBJECT.
  - D. ELECTRICAL ROOM WILL COMPLY WITH CEC 110.26(C)(2) AND CEC 110.26(C)(3).
  - E. TYPICAL E-CONNECTION STANDS FOR ELECTRICAL POWER CONNECT POINT FROM LOADS TO ELECTRICAL EQUIPMENT.
  - F. MOUNT EQUIPMENT DISCONNECT SWITCH ADJACENT TO MECHANICAL EQUIPMENT IN ACCESSIBLE CEILING SPACE. FIELD VERIFY EXACT LOCATION.
  - G. REFER TO ES-100 FOR HVAC UNITS SOURCE CIRCUIT NUMBERWIRE AND RACEWAY SIZE.
  - H. REFER TO T-203 & T-401 FOR RACK RECEPTACLE ELEVATION AND LOCATION FOR INSTALLING.
  - I. PROVIDE 120V 20A JUNCTION BOX FOR FIRE ALARM BELL. HOME RUN TO AVAILABLE 20A CIRCUIT BREAKER AT 120/208V PANEL. COORDINATE WITH FIRE ALARM FOR EXACT LOCATION AND ELEVATION.

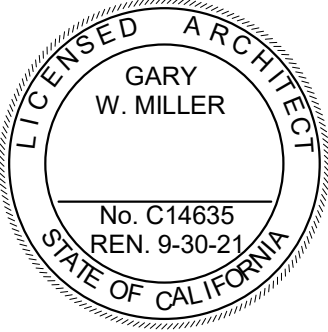
**KEYNOTES:** ( # )



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**revisions/addenda**

#	Date	Comment
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Issue Date:	05/17/24

**sheet name**

STRAY DOG  
BUILDING POWER  
FLOOR PLAN

**sheet number**

EH-201

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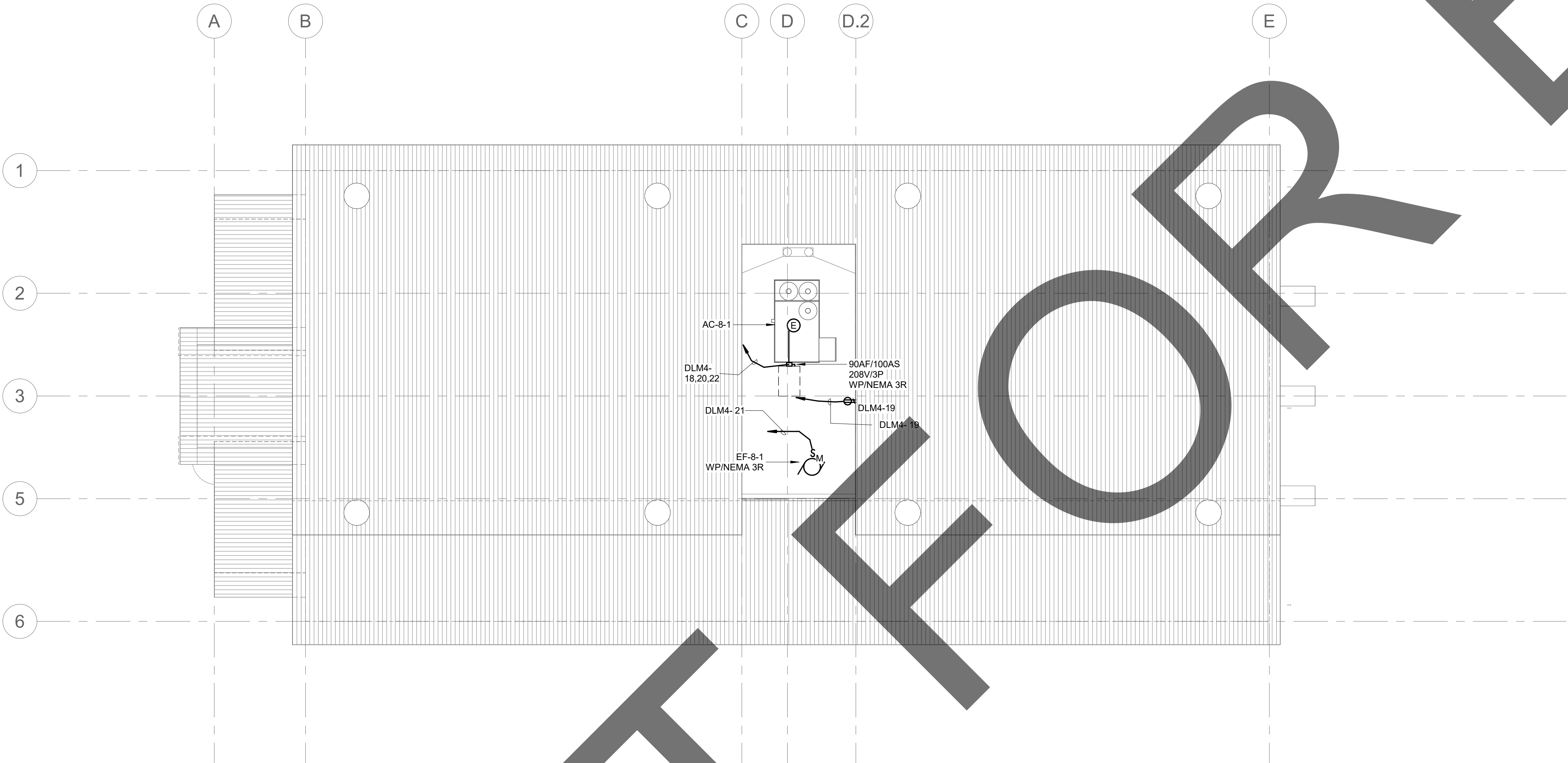
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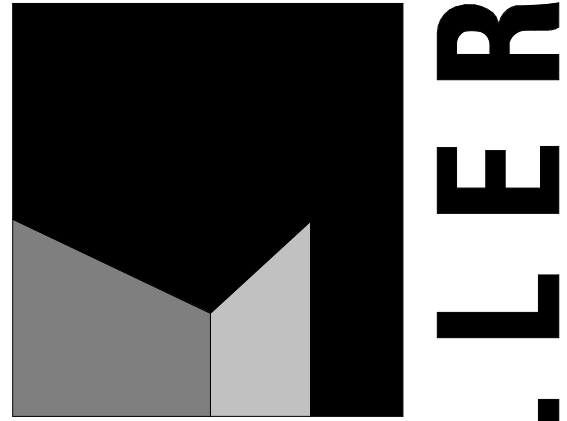
**STRAY DOG BUILDING POWER FLOOR PLAN**

1/8" = 1'-0"



GENERAL NOTES

- A. ALL RECEPTACLES ON THE ROOF SHALL BE GFCI AND WEATHER PROOF.
- B. ALL DISCONNECT SWITCH ON THE ROOF SHALL BE WEATHER PROOF RATED MEMA 3R TYPE.
- C. TYPICAL E-CONNECTION STANDS FOR ELECTRICAL POWER CONNECT POINT FROM LOADS TO ELECTRICAL EQUIPMENT
- D. MOUNT EQUIPMENT DISCONNECT SWITCH ADJACENT TO MECHANICAL EQUIPMENT IN ACCESSIBLE CEILING SPACE. FIELD VERIFY EXACT LOCATION.
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sheet name

STRAY DOG  
BUILDING POWER  
ROOF PLAN

sheet number

EH-202

Sheet      Of      Sheets



1

STRAY DOG BUILDING POWER ROOF PLAN

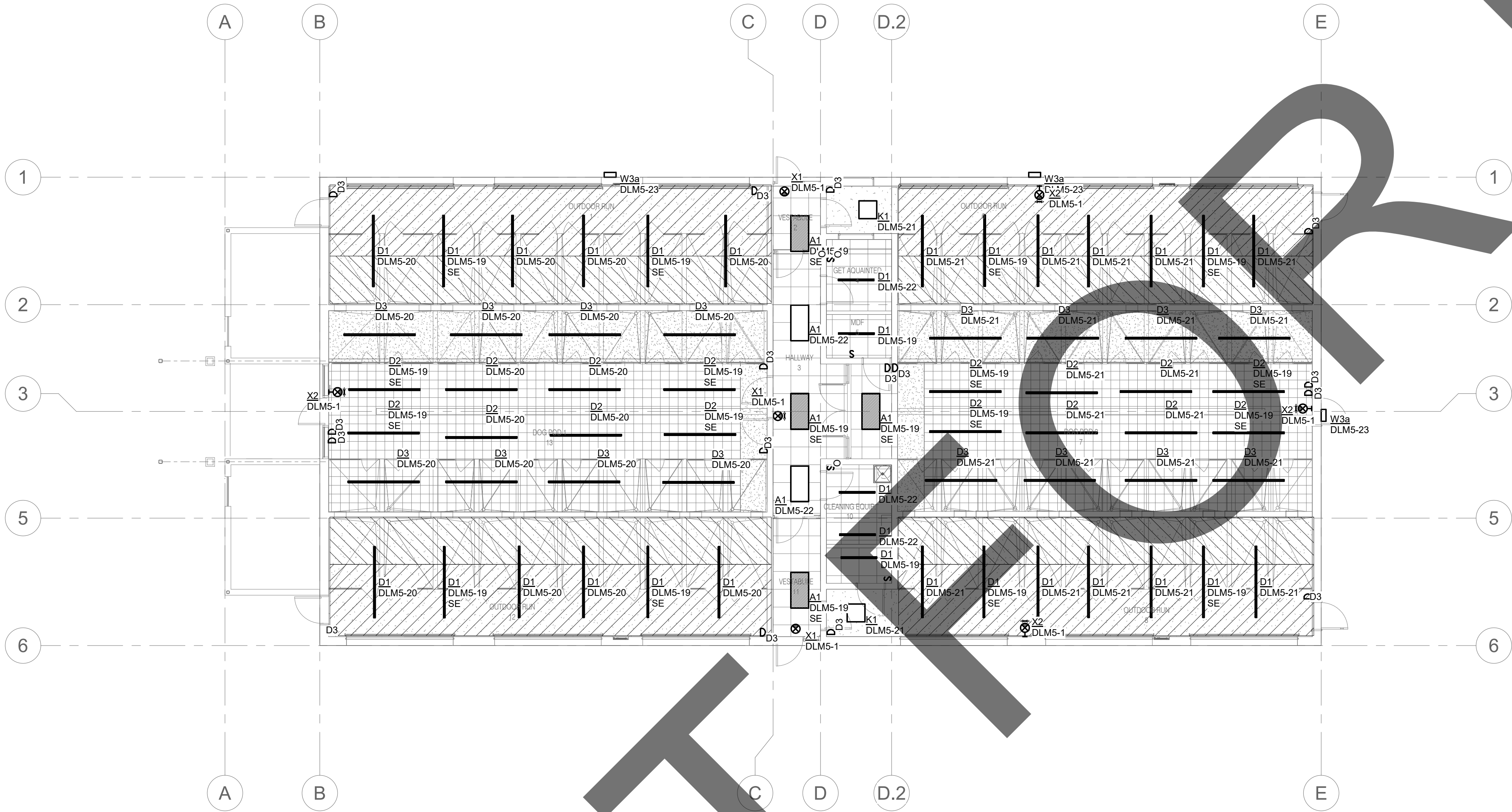
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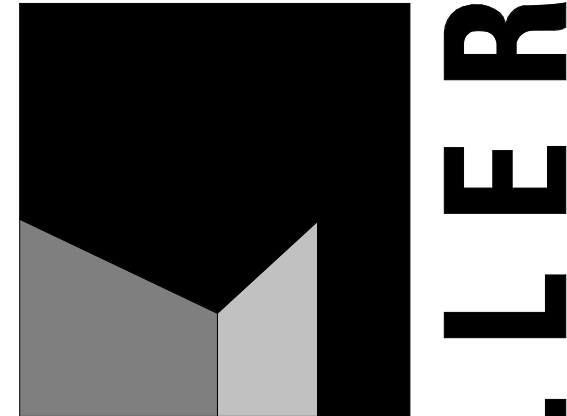


GENERAL NOTES:

1. PRIMARY DAYLIT ZONE.
2. SECONDARY DAYLIT ZONE.
- A. COORDINATE EXACT LOCATION OF EACH LIGHT FIXTURE WITH MECHANICAL PIPING, CONDUIT, HVAC GRILLES, ETC. FIELD ADJUST ANY LIGHT TO AVOID CONFLICT
- B. ALL ELECTRICAL CONTROL DEVICES SHALL BE MOUNTED AT A HEIGHT THAT IS ACCESSIBLE TO THE DISABLED IN ACCORDANCE WITH THE CALIFORNIA ACCESSIBILITY CODE. REFER TO ELECTRICAL SHEET EXXX FOR MOUNTING HEIGHTS OF ELECTRICAL CONTROL DEVICES.
- C. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT TYPE AND HEIGHT OF CEILING IN EACH ROOM. COORDINATE WITH ARCHITECT/ENGINEER PRIOR TO ROUGH-IN OF ANY FIXTURES. COORDINATE ALL CONTROL JOINTS LOCATIONS WITH LIGHT FIXTURES PRIOR TO ANY ROUGH-IN OF FIXTURES
- D. PROVIDE CONDUIT AND WIRING AS REQUIRED TO MEET CIRCUITING SHOWN TO CONFORM TO NEC REQUIREMENTS. PROVIDE EQUIPMENT GROUND CONDUCTOR IN ALL RACEWAYS.
- E. REFER TO ELECTRICAL DETAIL DRAWINGS FOR MOUNTING HEIGHTS OF ALL WALL MOUNTED ELECTRICAL DEVICES.
- F. ALL LIGHT FIXTURE SHALL BE LOCATED AS +9'-0" AFF, OTHERWISE WILL BE NOTED.

KEYNOTES: #

- 1.
- 2.
3. WALL MOUNTED 0-6 HOURS TIMER ON WEATHER-ROOF CAST ALUMINUM COVER AT +48"
4. TYPICAL TYPE D2 FIXTURE SHALL BE MOUNTED AT +10'10" AFF, TOTAL SUSPENSION CABLE LENGTH FROM CEILING TO THE FIXTURE SHALL BE ABOUT 7' 0" LONG.
5. TYPICAL TYPE D3 FIXTURE SHALL BE MOUNTED AT +10'10" AFF AT THE CEILING.
6. TYPICAL TYPE D1 FIXTURE SHALL BE MOUNTED AT +10'10" AFF AT THE CEILING.
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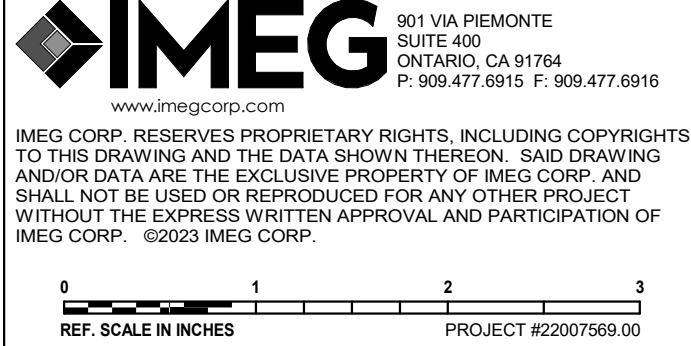
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ADOPTION DOG  
BUILDING 4 LIGHTING  
FLOOR PLAN

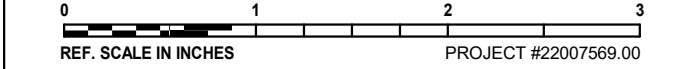
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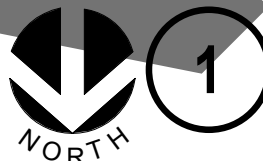
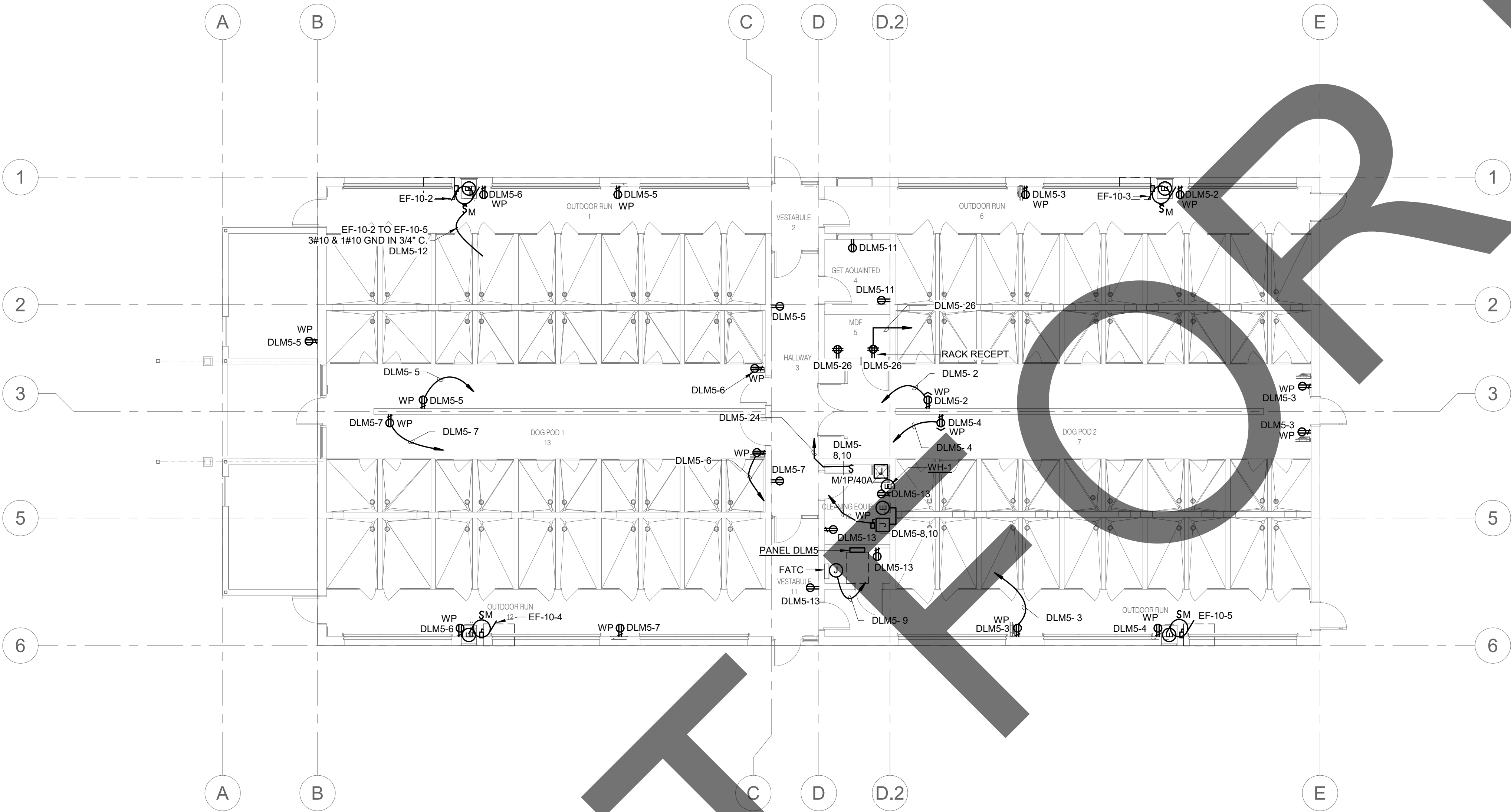
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**ADOPTION DOG BUILDING 4 POWER FLOOR PLAN**

1/8" = 1'-0"

**GENERAL NOTES**

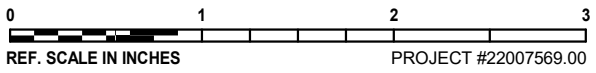
- A. ALL RECEPTACLES ON COMMON WALLS SHALL BE MOUNTED AT 18" AFF
- B. WHERE RECEPTACLES ARE INSTALLED IN MODULAR FURNITURE IN OPENED OFFICE AREAS, PROVIDE MARKING FOR CONTROLLED RECEPTACLES TO SAPARATE THEM FROM UNCONTROLLED RECEPTACLE.
- C. ALPHABET A STANDS FOR HEIGHT MOUNTED AT +12" FROM WORK COUNTER SURFACE TO THE CENTER OF OBJECT.
- D. ELECTRICAL ROOM WILL COMPLY WITH CEC 110.26(C)(2) AND CEC 110.26(C)(3).
- E. REFER TO T-203 & T-401 FOR RACK RECEPTACLE ELEVATION AND LOCATION FOR INSTALLING.
- F. PROVIDE 120V 20A JUNCTION BOX FOR FIRE ALARM BELL. HOME RUN TO AVAILABLE 20A CIRCUIT BREAKER AT 120/208V PANEL. COORDINATE WITH FIRE ALARM FOR EXACT LOCATION AND ELEVATION.

**KEYNOTES:** #



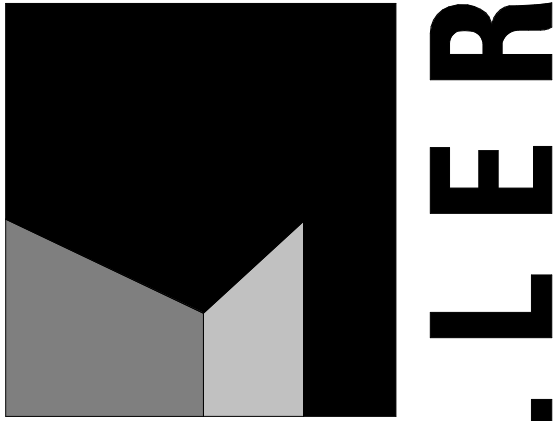
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PROJECT #22007569.00

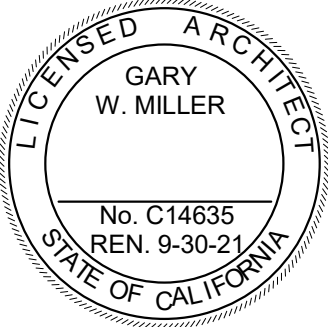
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**owner approval**

initials	date	phase

**revisions/addenda**

#	Date	Comment
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ANIMAL CARE CENTER

18313 VALLEY BLVD. BLOOMINGTON, CA 92313

SAN BERNARDINO COUNTY

**project information**

Project Number: 1227  
Drawn By: Author  
Checked By: PS  
Issue Date: 05/17/24

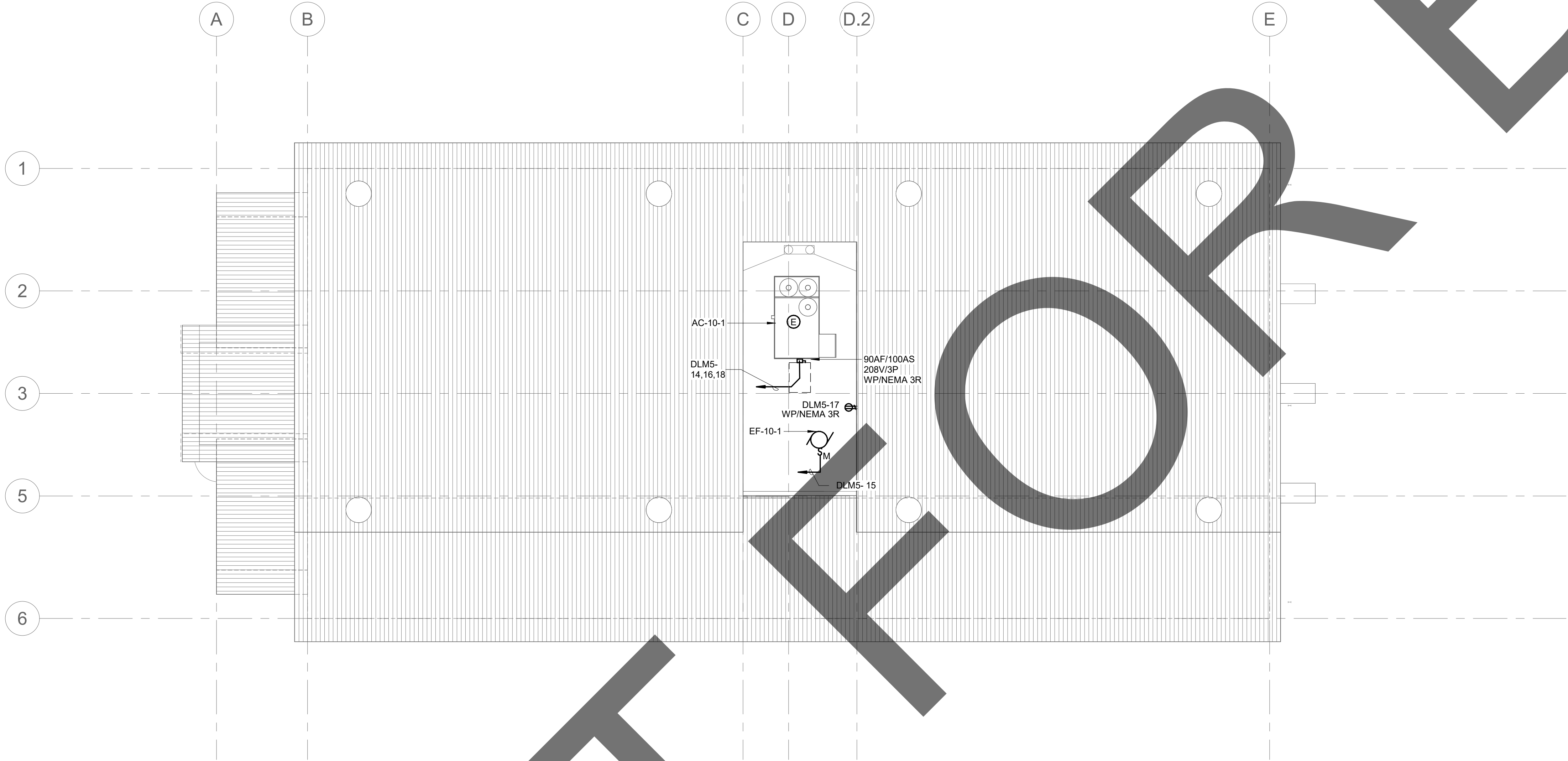
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ADOPTION DOG  
BUILDING 4 POWER  
FLOOR PLAN

**sheet number**

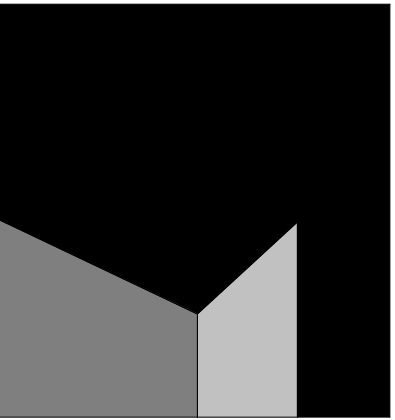
EH.1-201

Sheet Of Sheets



GENERAL NOTES

- A. ALL RECEPTACLES ON THE ROOF SHALL BE GFICl AND WEATHER PROOF.
- B. ALL DISCONNECT SWITCH ON THE ROOF SHALL BE WEATHER PROOF RATED MEMA 3R TYPE.
- C. TYPICAL E-CONNECTION STANDS FOR: ELECTRICAL POWER CONNECT POINT FROM LOADS TO ELECTRICAL EQUIPMENT.
- D. MOUNT EQUIPMENT DISCONNECT SWITCH ADJACENT TO MECHANICAL EQUIPMENT IN ACCESSIBLE CEILING SPACE. FIELD VERIFY EXACT LOCATION.
- E. REFER TO ES-100 FOR HVAC UNITS SOURCE CIRCUIT NUMBERWIRE AND RACEWAY SIZE.



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initials	date	phase

revisions/addenda

#	Date	Comment
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SAN BERNARDINO COUNTY

project information

Project Number: 122  
Drawn By: Autho  
Checked By: PS  
Issue Date: 05/17/2

sheet name

ADOPTION DOG  
BUILDING 4 POWER  
ROOF PLAN

sheet number

EH.1-202

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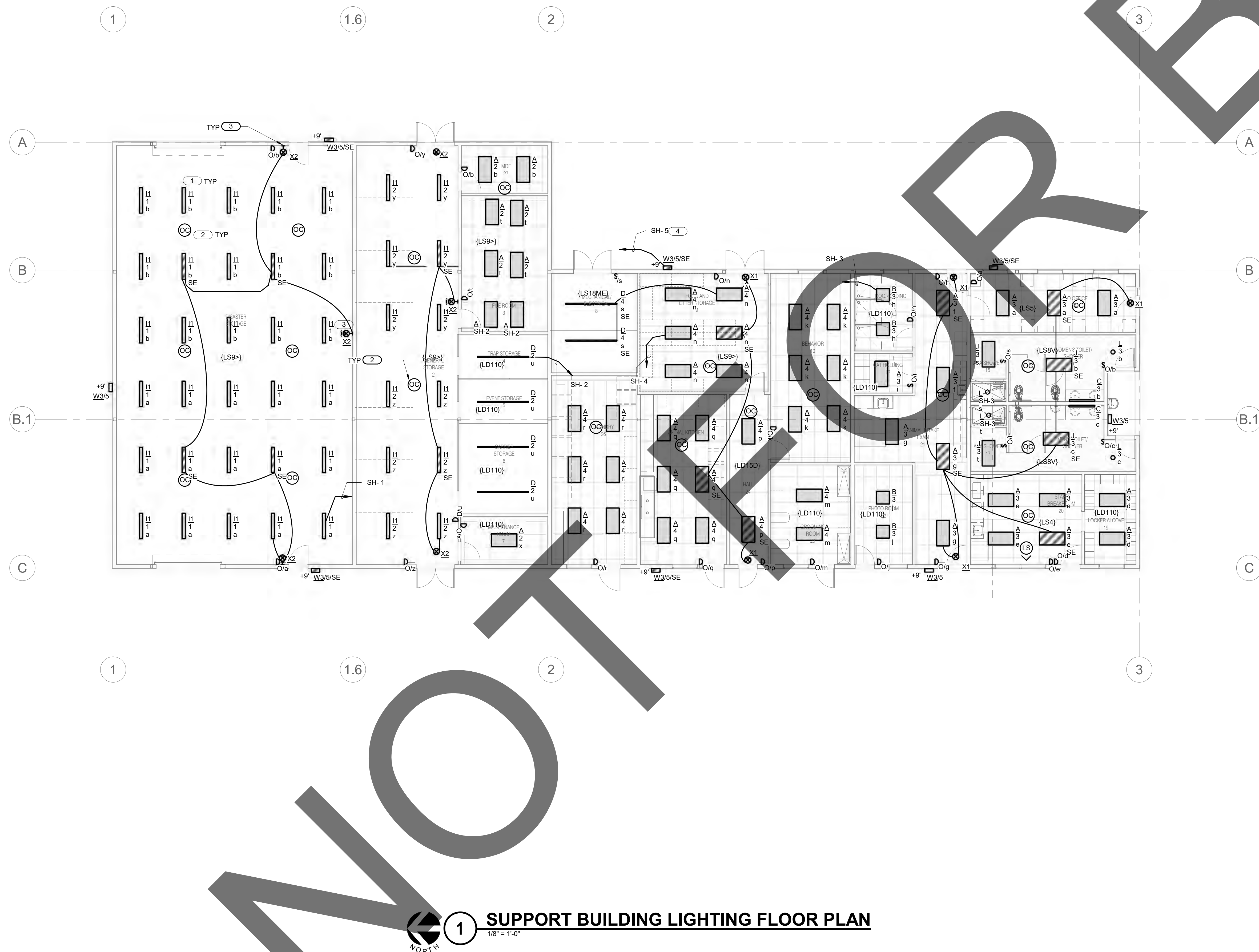
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1

ADOPTION DOG BUILDING 4 POWER ROOF PLAN

1/8" = 1'-0"



## SUPPORT BUILDING LIGHTING FLOOR PLAN

$$1/8'' = 1'-0''$$

**GENERAL NOTES:**

- A. COORDINATE EXACT LOCATION OF EACH LIGHT FIXTURE WITH MECHANICAL PIPING, CONDUIT, HVAC GRILLES, ETC. FIELD ADJUST ANY LIGHT TO AVOID CONFLICT
- B. ALL ELECTRICAL CONTROL DEVICES SHALL BE MOUNTED AT A HEIGHT THAT IS ACCESSIBLE TO THE DISABLED IN ACCORDANCE WITH THE CALIFORNIA ACCESSIBILITY CODE. REFER TO ELECTRICAL SHEET EXXX FOR MOUNTING HEIGHTS OF ELECTRICAL CONTROL DEVICES.
- C. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT TYPE AND HEIGHT OF CEILING IN EACH ROOM. COORDINATE WITH ARCHITECT/ENGINEER PRIOR TO ROUGH-IN OF ANY FIXTURES. COORDINATE ALL CONTROL JOINTS LOCATIONS WITH LIGHT FIXTURES PRIOR TO ANY ROUGH-IN OF FIXTURES
- D. PROVIDE CONDUIT AND WIRING AS REQUIRED TO MEET CIRCUITING SHOWN TO CONFORM TO NEC REQUIREMENTS. PROVIDE EQUIPMENT GROUND CONDUCTOR IN ALL RACEWAYS.
- E. REFER TO ELECTRICAL DETAIL DRAWINGS FOR MOUNTING HEIGHTS OF ALL WALL MOUNTED ELECTRICAL DEVICES.
- F. ALL LIGHT FIXTURE SHALL BE LOCATED AS +9'-0" AFF, OTHERWISE WILL BE NOTED.
- G. PROVIDE UNSWITCH CIRCUIT CONDUCTOR TO EXIT SIGN & EMERGENCY BATTERY UNIT

**KEYNOTES:** 

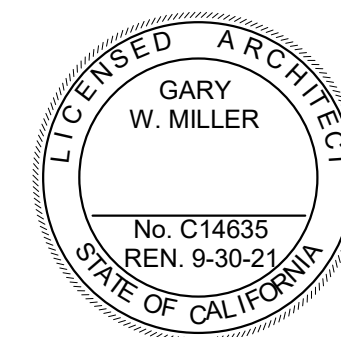
1. LINEAR 4' SUSPENSION FIXTURES IS MOUNTED AT CEILING, THE BOTTOM OF THE FIXTURE IS AT +12' AFF (TYP) IN THE WAREHOUSE.
2. PENDANT OCCUPANCY SENSOR ELEVATION AT +12'AFF (TYP) IN THE WAREHOUSE.
3. SURFACE MOUNTED EXIT SIGN IS MOUNTED AT +10' AFF (TYP) IN THE WAREHOUSE.
4. TYPICAL WALPACK WITH MOTION SENSOR FOR 8-15' MOUNTING HEIGHTS WITH PHOTOCELL PREPROGRAMMED FOR DUSK TO DAWN OPERATION MOUNTED AT +11' AFF.



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## revisions/addenda

#	Date	Comment
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ANIMAL CARE CENTER

18313 VALLEY BLVD. BLOOMINGTON, CA 92313

**SAN BERNARDINO COUNTY**

## project information

Project Number:	1227
Drawn By:	Author
Checked By:	PS
Issue Date:	05/17/24

sheet name

SUPPORT BUILDING  
LIGHTING FLOOR  
PLAN

## sheet number

EI-101

Sheet	Of	Sheets
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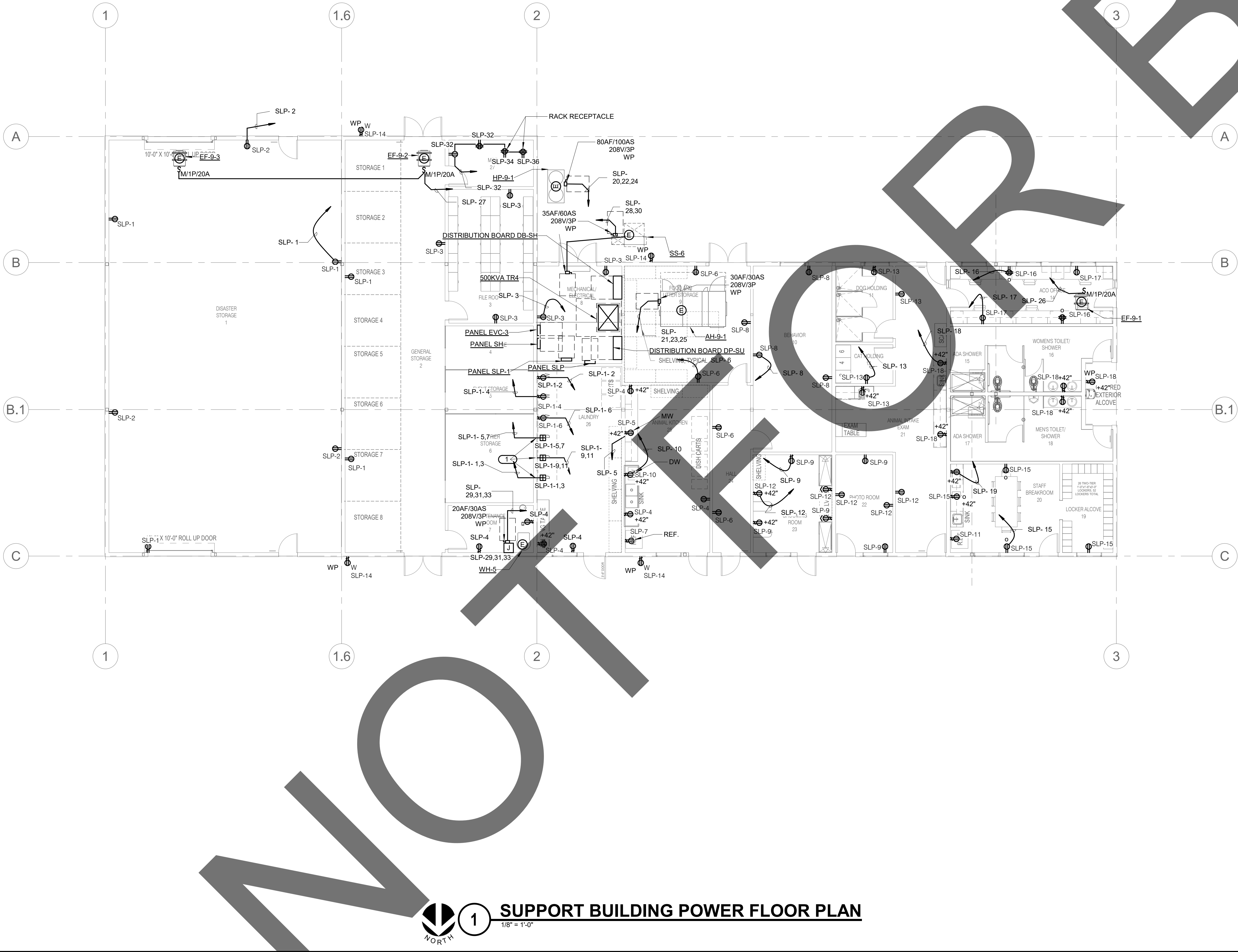


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GENERAL NOTES

A. ALL RECEPTACLES ON COMMON WALLS SHALL BE MOUNTED AT 18" AFF

B. WHERE RECEPTACLES ARE INSTALLED IN MODULAR FURNITURE IN OPENED OFFICE AREAS, PROVIDE MARKING FOR CONTROLLED RECEPTACLES TO SAPARATE THEM FROM UNCONTROLLED RECEPTACLE.

C. ALPHABET A STANDS FOR HEIGHT MOUNTED AT +12" FROM WORK COUNTER SURFACE TO THE CENTER OF OBJECT.

D. ELECTRICAL ROOM WILL COMPLY WITH CEC 110.26(C)(2) AND CEC 110.26(C)(3).

E. TYPICAL E CONNECTION STANDS FOR ELECTRICAL POWER CONNECT POINT FROM LOADS TO ELECTRICAL EQUIPMENT.

F. MOUNT EQUIPMENT DISCONNECT SWITCH ADJACENT TO MECHANICAL EQUIPMENT IN ACCESSIBLE CEILING SPACE. FIELD VERIFY EXACT LOCATION.

G. REFER TO ES-100 FOR HVAC UNITS SOURCE CIRCUIT NUMBERWIRE AND RACEWAY SIZE.

H. REFER TO T-203 & T-401 FOR RACK RECEPTACLE ELEVATION AND LOCATION FOR INSTALLING.

I. PROVIDE 120V/20A JUNCTION BOX FOR FIRE ALARM BELL. HOME RUN TO AVAILABLE 20A CIRCUIT BREAKER AT 120/208V PANEL. COORDINATE WITH FIRE ALARM FOR EXACT LOCATION AND ELEVATION.

KEYNOTES:

1. PROVIDE 208V/ 2P/ 20A RECEPTACLE FOR EACH DRYER.

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initials	date	phase

revisions/addenda

#	Date	Comment

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project information

Project Number:

1227

Drawn By:

Author

Checked By:

PS

Issue Date:

05/17/24

sheet name

SUPPORT BUILDING  
POWER FLOOR PLAN

sheet number

EI-201

Sheet

Of

Sheets

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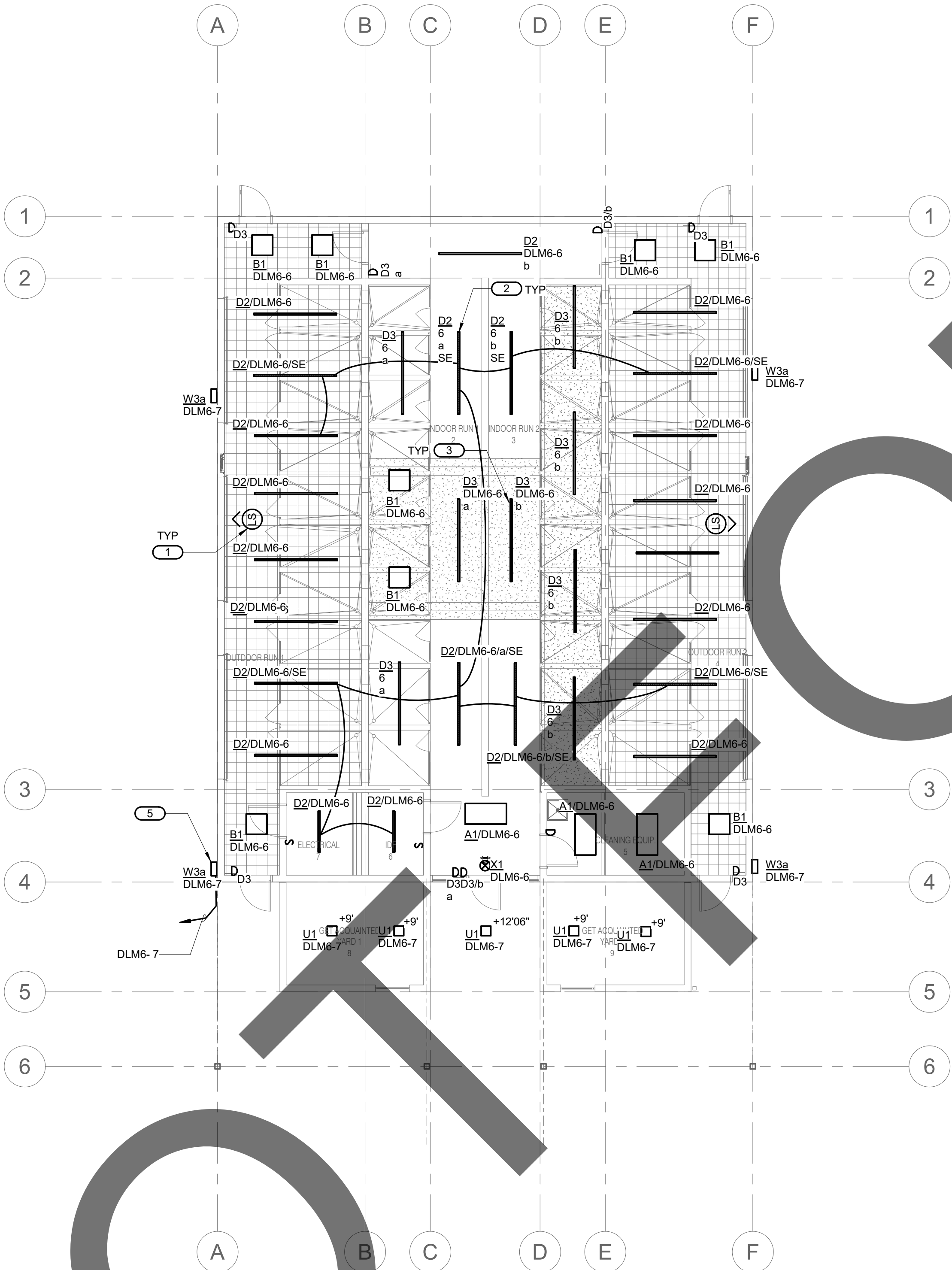
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ADOPTION DOG BUILDING 5 LIGHTING FLOOR PLAN

GENERAL NOTES:

- PRIMARY DAYLIT ZONE.
- SECONDARY DAYLIT ZONE.
- A. COORDINATE EXACT LOCATION OF EACH LIGHT FIXTURE WITH MECHANICAL PIPING, CONDUIT, HVAC GRILLES, ETC. FIELD ADJUST ANY LIGHT TO AVOID CONFLICT
- B. ALL ELECTRICAL CONTROL DEVICES SHALL BE MOUNTED AT A HEIGHT THAT IS ACCESSIBLE TO THE DISABLED IN ACCORDANCE WITH THE CALIFORNIA ACCESSIBILITY CODE. REFER TO ELECTRICAL SHEET EXXX FOR MOUNTING HEIGHTS OF ELECTRICAL CONTROL DEVICES.
- C. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT TYPE AND HEIGHT OF CEILING IN EACH ROOM. COORDINATE WITH ARCHITECT/ENGINEER PRIOR TO ROUGH-IN OF ANY FIXTURES. COORDINATE ALL CONTROL JOINTS LOCATIONS WITH LIGHT FIXTURES PRIOR TO ANY ROUGH-IN OF FIXTURES.
- D. PROVIDE CONDUIT AND WIRING AS REQUIRED TO MEET CIRCUITING SHOWN TO CONFORM TO NEC REQUIREMENTS. PROVIDE EQUIPMENT GROUND CONDUCTOR IN ALL RACEWAYS.
- E. REFER TO ELECTRICAL DETAIL DRAWINGS FOR MOUNTING HEIGHTS OF ALL WALL MOUNTED ELECTRICAL DEVICES.
- F. ALL LIGHT FIXTURE SHALL BE LOCATED AS +9'-0" AFF, OTHERWISE WILL BE NOTED.
- G. PROVIDE UNSWITCH CIRCUIT CONDUCTORTO EXIT SIGN & EMERGENCY BATTERY UNIT

KEYNOTES: (#

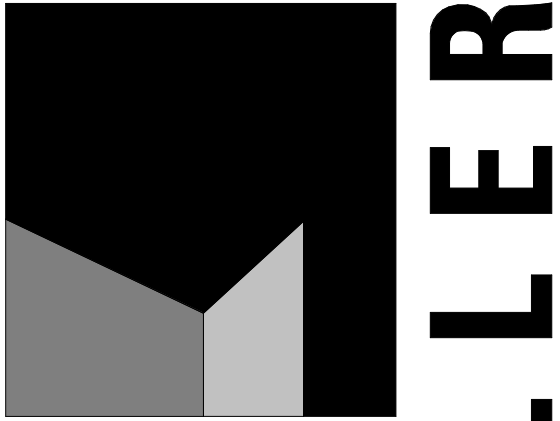
1. THREE ZONE CEILING DAYLIGHT LEVEL SENSOR IS MOUNTED AT CEILING.
2. TYPICAL TYPE D2 FIXTURE SHALL BE MOUNTED AT +10'10" AFF. TOTAL SUSPENSION CABLE LENGTH FROM CEILING TO THE FIXTURE SHALL BE ABOUT 7' 0" LONG.
3. TYPICAL TYPE D3 FIXTURE SHALL BE MOUNTED AT +10'10" AFF AT THE CEILING.
4. TYPICAL TYPE D1 FIXTURE SHALL BE MOUNTED AT +10'10" AFF AT THE CEILING.
5. TYPICAL WALPACK WITH MOTION SENSOR FOR 8-15' MOUNTING HEIGHTS WITH PHOTOCELL PREPROGRAMMED FOR DUSK TO DAWN OPERATION MOUNTED AT +11' AFF.
6. PROVIDE AN ASTRONOMICAL TIME CLOCK FOR SHUT OFF CONTROLL.
7. LIGHTING SWITCH IN WET ENVIRONMENT SHALL BE WET RATED TYPE.

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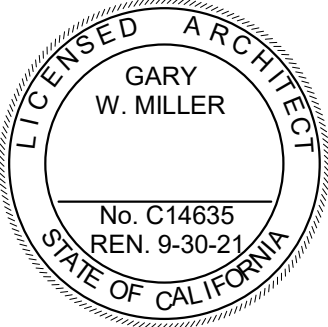
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initials	date	phase

revisions/addenda

#	Date	Comment
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ANIMAL CARE CENTER

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SAN BERNARDINO COUNTY

project information

Project Number: 1227  
Drawn By: Author  
Checked By: PS  
Issue Date: 05/17/24

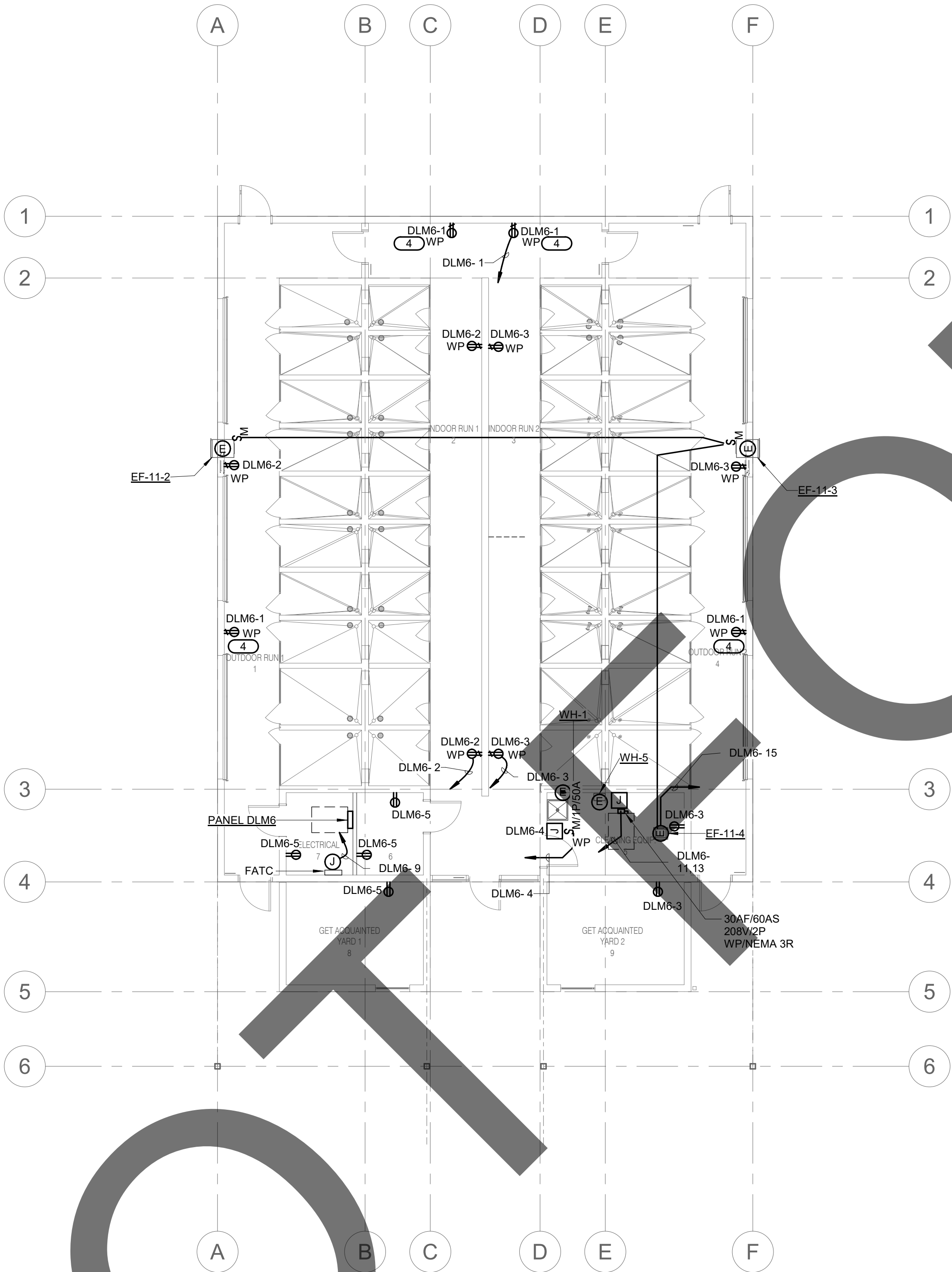
sheet name

ADOPTION DOG  
BUILDING 5 LIGHTING  
FLOOR PLAN

sheet number

EJ-101

Sheet Of Sheets



1 ADOPTION DOG BUILDING 5 POWER FLOOR PLAN  
NO SCALE

GENERAL NOTES

- A. ALL RECEPTACLES ON COMMON WALLS SHALL BE MOUNTED AT 18" AFF
- B. WHERE RECEPTACLES ARE INSTALLED IN MODULAR FURNITURE IN OPENED OFFICE AREAS, PROVIDE MARKING FOR CONTROLLED RECEPTACLES TO SAPARATE THEM FROM UNCONTROLLED RECEPTACLE.
- C. ALPHABET A STANDS FOR HEIGHT MOUNTED AT +12" FROM WORK COUNTER SURFACE TO THE CENTER OF OBJECT.
- D. ELECTRICAL ROOM WILL COMPLY WITH CEC 110.26(C)(2) AND CEC 110.26(C)(3).
- E. TYPICAL E-CONNECTION STANDS FOR ELECTRICAL POWER CONNECT POINT FROM LOADS TO ELECTRICAL EQUIPMENT.
- F. MOUNT EQUIPMENT DISCONNECT SWITCH ADJACENT TO MECHANICAL EQUIPMENT IN ACCESSIBLE CEILING SPACE. FIELD VERIFY EXACT LOCATION.
- G. REFER TO ES-100 FOR HVAC UNITS SOURCE CIRCUIT NUMBERWIRE AND RACEWAY SIZE.
- H. PROVIDE 120V 20A JUNCTION BOX FOR FIRE ALARM BELL. HOME RUN TO AVAILABLE 20A CIRCUIT BREAKER AT 120/208V PANEL. COORDINATE WITH FIRE ALARM FOR EXACT LOCATION AND ELEVATION.

KEYNOTES: #

1. DASHED LINE CONDUIT DENOTES BELOW THE FLOOR.
2. PROVIDE 120V SPLITWIRED QUAD WITH ONE CONTROLLED AND ONE CONTROLLED RECEPTACLE.
3. FOR PORTABLE POWER WASH EQUIPMENT.

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revisions/addenda

#	Date	Comment
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ANIMAL CARE CENTER

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SAN BERNARDINO COUNTY

project information

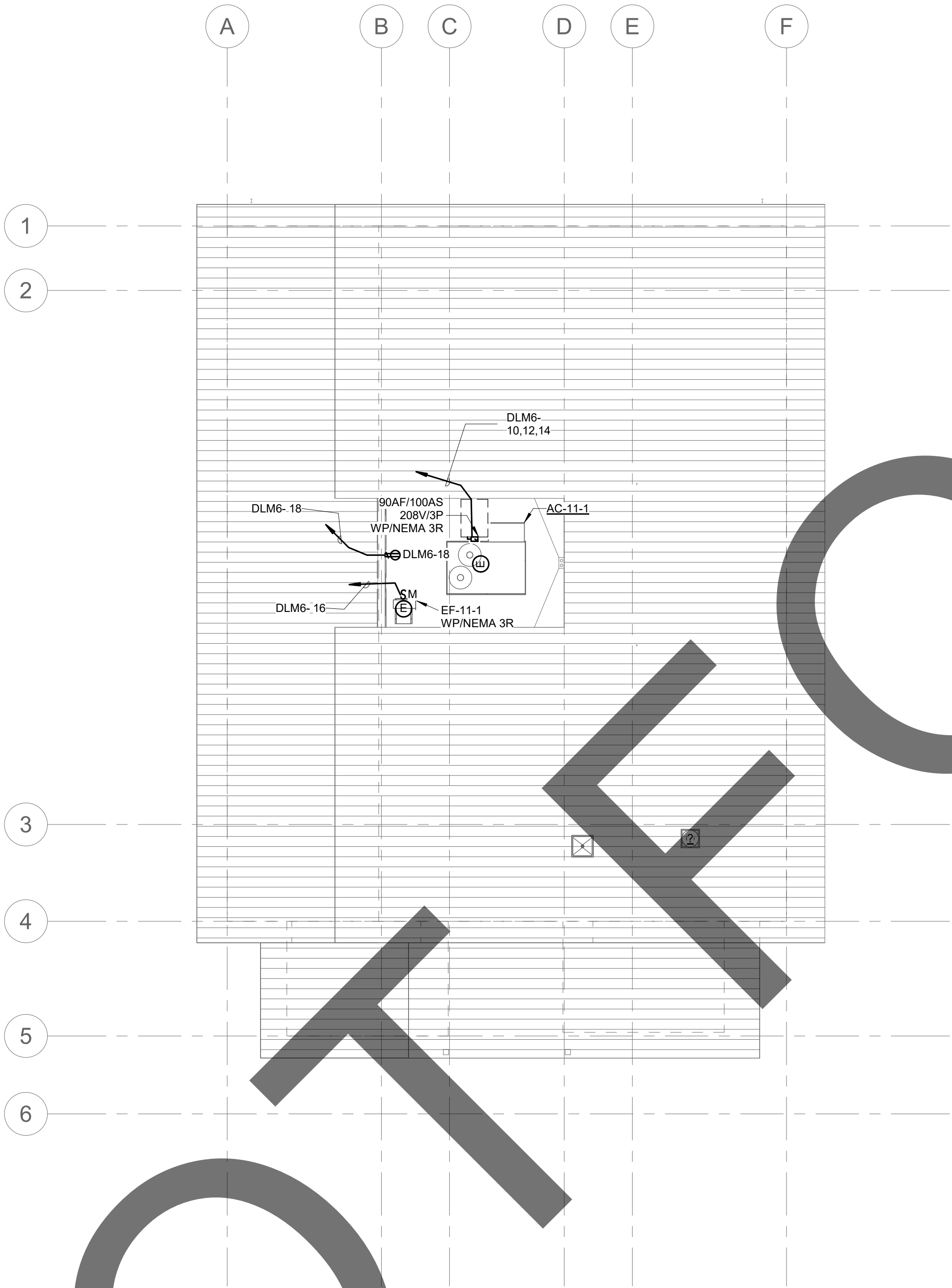
Project Number: 1227  
Drawn By: Author  
Checked By: PS  
Issue Date: 05/17/24

sheet name

ADOPTION DOG  
BUILDING 5 POWER  
FLOOR PLAN

sheet number

EJ-201




1

ADOPTION DOG BUILDING 5 POWER ROOF PLAN

1/8" = 1'-0"

GENERAL NOTES

- A. ALL RECEPTACLES ON THE ROOF SHALL BE GFCI AND WEATHER PROOF.
- B. ALL DISCONNECT SWITCH ON THE ROOF SHALL BE WEATHER PROOF RATED MEMA 3R TYPE.
- C. TYPICAL E-CONNECTION STANDS FOR ELECTRICAL POWER CONNECT POINT FROM LOADS TO ELECTRICAL EQUIPMENT
- D. MOUNT EQUIPMENT DISCONNECT SWITCH ADJACENT TO MECHANICAL EQUIPMENT IN ACCESSIBLE CEILING SPACE. FIELD VERIFY EXACT LOCATION.
- E. REFER TO ES-100 FOR HVAC UNITS SOURCE CIRCUIT NUMBER WIRE AND RACEWAY SIZE.



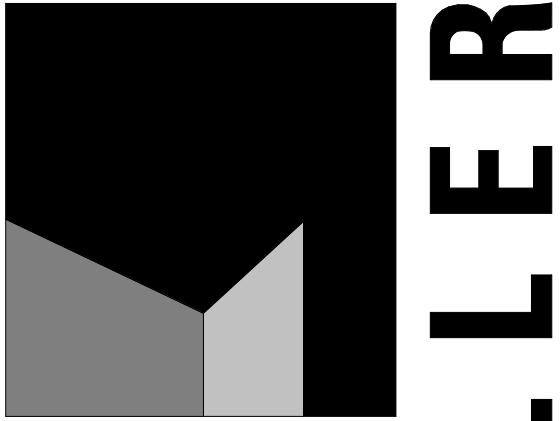
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revisions/addenda

#	Date	Comment
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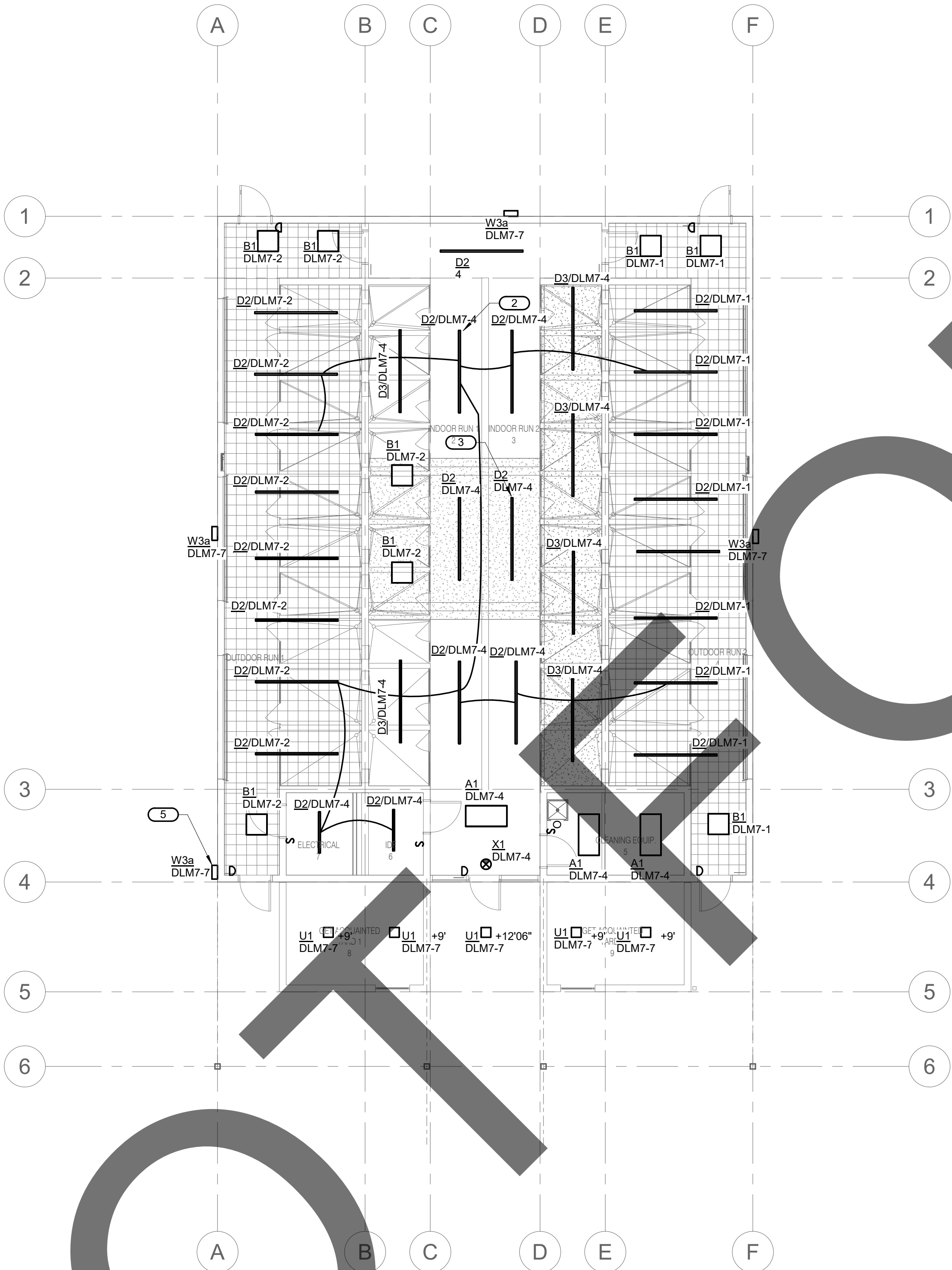
Project Number:	1227
Drawn By:	Author
Checked By:	PS
Issue Date:	05/17/24

sheet name

ADOPTION DOG  
BUILDING 5 POWER  
ROOF PLAN

sheet number

EJ-202



1

## ADOPTION DOG BUILDING 6 LIGHTING FLOOR PLAN

1/8" = 1'-0"

### GENERAL NOTES:

PRIMARY DAYLIT ZONE.

SECONDARY DAYLIT ZONE.

- COORDINATE EXACT LOCATION OF EACH LIGHT FIXTURE WITH MECHANICAL PIPING, CONDUIT, HVAC GRILLES, ETC. FIELD ADJUST ANY LIGHT TO AVOID CONFLICT
- ALL ELECTRICAL CONTROL DEVICES SHALL BE MOUNTED AT A HEIGHT THAT IS ACCESSIBLE TO THE DISABLED IN ACCORDANCE WITH THE CALIFORNIA ACCESSIBILITY CODE. REFER TO ELECTRICAL SHEET EXXX FOR MOUNTING HEIGHTS OF ELECTRICAL CONTROL DEVICES.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT TYPE AND HEIGHT OF CEILING IN EACH ROOM. COORDINATE WITH ARCHITECT/ENGINEER PRIOR TO ROUGH-IN OF ANY FIXTURES. COORDINATE ALL CONTROL JOINTS LOCATIONS WITH LIGHT FIXTURES PRIOR TO ANY ROUGH-IN OF FIXTURES
- PROVIDE CONDUIT AND WIRING AS REQUIRED TO MEET CIRCUITING SHOWN TO CONFORM TO NEC REQUIREMENTS. PROVIDE EQUIPMENT GROUND CONDUCTOR IN ALL RACEWAYS.
- REFER TO ELECTRICAL DETAIL DRAWINGS FOR MOUNTING HEIGHTS OF ALL WALL MOUNTED ELECTRICAL DEVICES.
- ALL LIGHT FIXTURE SHALL BE LOCATED AS +9'-0" AFF, OTHERWISE WILL BE NOTED.
- PROVIDE UNSWITCH CIRCUIT CONDUCTORTO EXIT SIGN & EMERGENCY BATTERY UNIT

### KEYNOTES: #

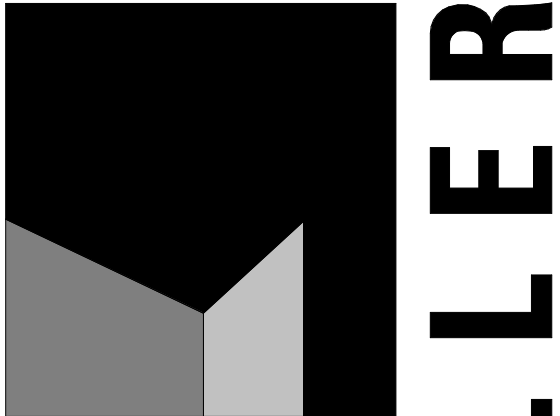
- THREE ZONE CEILING DAYLIGHT LEVEL SENSOR IS MOUNTED AT CEILING.
- TYPICAL TYPE D2 FIXTURE SHALL BE MOUNTED AT +10'10" AFF. TOTAL SUSPENSION CABLE LENGTH FROM CEILING TO THE FIXTURE SHALL BE ABOUT 7'0" LONG.
- TYPICAL TYPE D3 FIXTURE SHALL BE MOUNTED AT +10'10" AFF AT THE CEILING.
- TYPICAL TYPE D1 FIXTURE SHALL BE MOUNTED AT +10'10" AFF AT THE CEILING.
- TYPICAL WALPACK WITH MOTION SENSOR FOR 8-15' MOUNTING HEIGHTS WITH PHOTOCELL PREPROGRAMMED FOR DUSK TO DAWN OPERATION MOUNTED AT +11' AFF.
- PROVIDE AN ASTRONOMICAL TIME CLOCK FOR SHUT OFF CONTROLL.
- LIGHTING SWITCH IN WET ENVIRONMENT SHALL BE WET RATED TYPE.

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### revisions/addenda

#	Date	Comment
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### project information

Project Number: 1227  
Drawn By: Author  
Checked By: PS  
Issue Date: 05/17/24

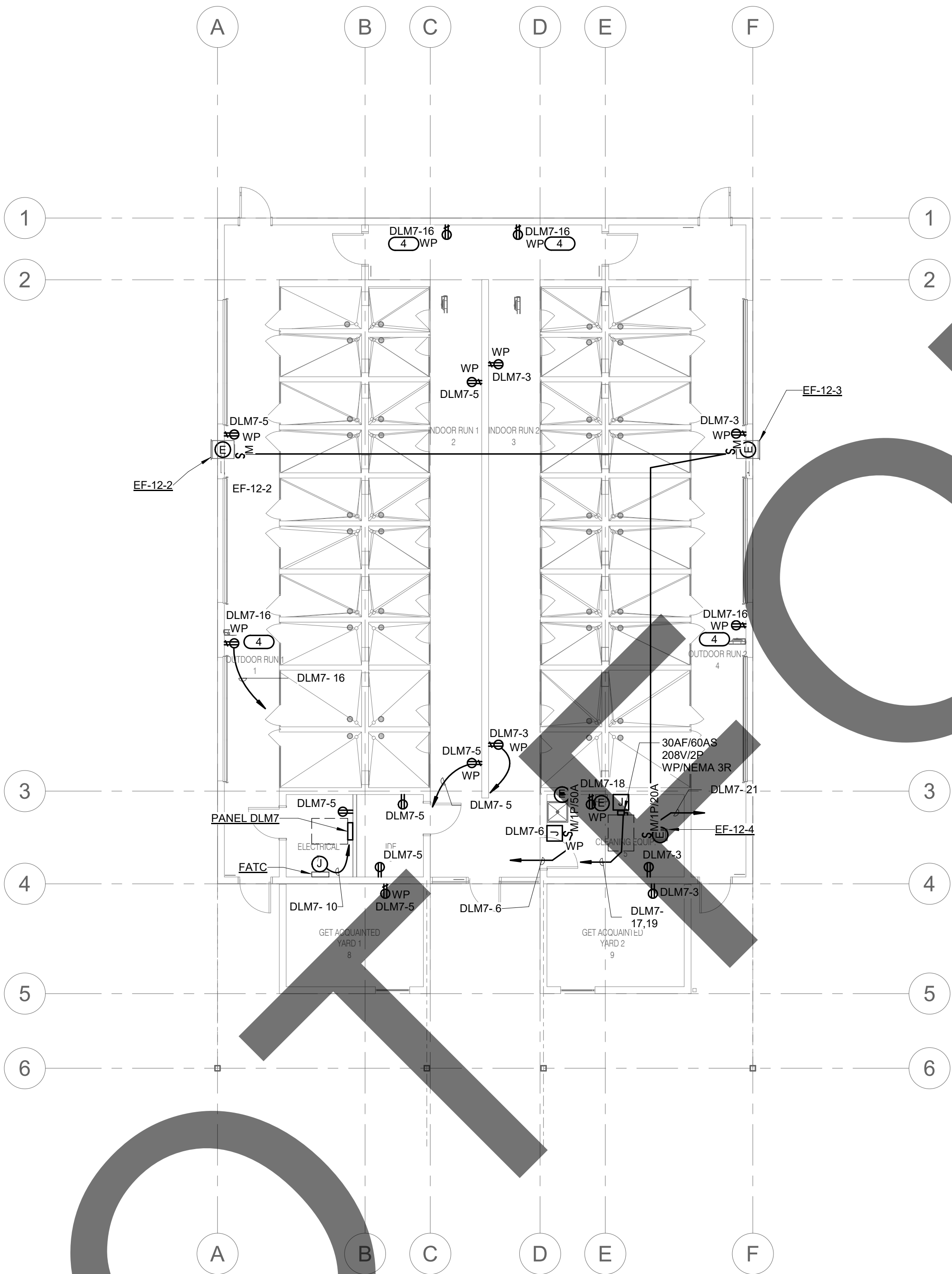
### sheet name

ADOPTION DOG  
BUILDING 6 LIGHTING  
FLOOR PLAN

### sheet number

EK-101

Sheet Of Sheets



1 ADOPTION DOG BUILDING 6 POWER FLOOR PLAN  
NO SCALE

- GENERAL NOTES**
- A. ALL RECEPTACLES ON COMMON WALLS SHALL BE MOUNTED AT 18" AFF
  - B. WHERE RECEPTACLES ARE INSTALLED IN MODULAR FURNITURE IN OPENED OFFICE AREAS, PROVIDE MARKING FOR CONTROLLED RECEPTACLES TO SAPARATE THEM FROM UNCONTROLLED RECEPTACLE.
  - C. ALPHABET A STANDS FOR HEIGHT MOUNTED AT +12" FROM WORK COUNTER SURFACE TO THE CENTER OF OBJECT.
  - D. ELECTRICAL ROOM WILL COMPLY WITH CEC 110.26(C)(2) AND CEC 110.26(C)(3).
  - E. TYPICAL E-CONNECTION STANDS FOR ELECTRICAL POWER CONNECT POINT FROM LOADS TO ELECTRICAL EQUIPMENT.
  - F. MOUNT EQUIPMENT DISCONNECT SWITCH ADJACENT TO MECHANICAL EQUIPMENT IN ACCESSIBLE CEILING SPACE. FIELD VERIFY EXACT LOCATION.
  - G. REFER TO ES-100 FOR HVAC UNITS SOURCE CIRCUIT NUMBERWIRE AND RACEWAY SIZE.
  - H. PROVIDE 120V 20A JUNCTION BOX FOR FIRE ALARM BELL. HOME RUN TO AVAILABLE 20A CIRCUIT BREAKER AT 120/208V PANEL. COORDINATE WITH FIRE ALARM FOR EXACT LOCATION AND ELEVATION.

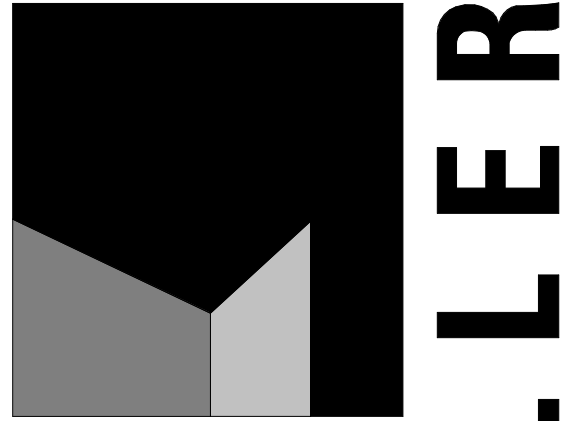
- KEYNOTES:** - #
- 1. DASHED LINE CONDUIT DENOTES BELOW THE FLOOR.
  - 2. PROVIDE 120V SPLITWIRED QUAD WITH ONE CONTROLLED AND ONE CONTROLLED RECEPTACLE
  - 3. FOR PORTABLE POWER WASH EQUIPMENT.

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0 1 2 3  
REF. SCALE IN INCHES PROJECT #22007569.00

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**



**architecture  
interiors  
planning**



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**owner approval**

initials	date	phase

**revisions/addenda**

#	Date	Comment

ANIMAL CARE CENTER  
18313 VALLEY BLVD. BLOOMINGTON, CA 92313  
SAN BERNARDINO COUNTY

**project information**

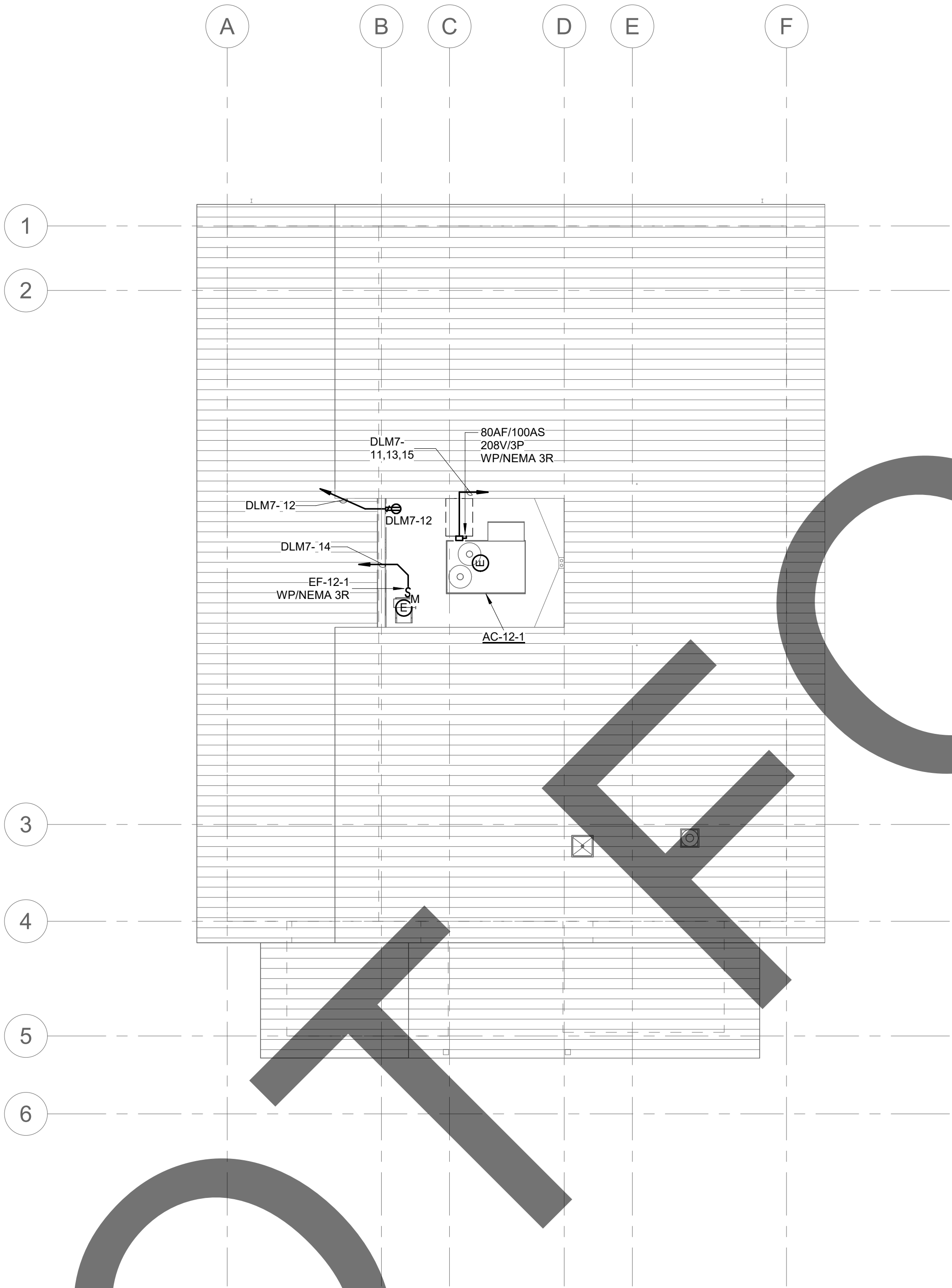
Project Number:	1227
Drawn By:	Author
Checked By:	PS
Issue Date:	05/17/24

**sheet name**

ADOPTION DOG  
BUILDING 6 POWER  
FLOOR PLAN

**sheet number**

EK-201




1

1/8" = 1'-0"

**ADOPTION DOG BUILDING 6 POWER ROOF PLAN**

**GENERAL NOTES**

- A. ALL RECEPTACLES ON THE ROOF SHALL BE GFCI AND WEATHER PROOF.
- B. ALL DISCONNECT SWITCH ON THE ROOF SHALL BE WEATHER PROOF RATED MEMA 3R TYPE.
- C. TYPICAL E-CONNECTION STANDS FOR ELECTRICAL POWER CONNECT POINT FROM LOADS TO ELECTRICAL EQUIPMENT.
- D. MOUNT EQUIPMENT DISCONNECT SWITCH ADJACENT TO MECHANICAL EQUIPMENT IN ACCESSIBLE CEILING SPACE. FIELD VERIFY EXACT LOCATION.
- E. REFER TO ES-100 FOR HVAC UNITS SOURCE CIRCUIT NUMBER WIRE AND RACEWAY SIZE.



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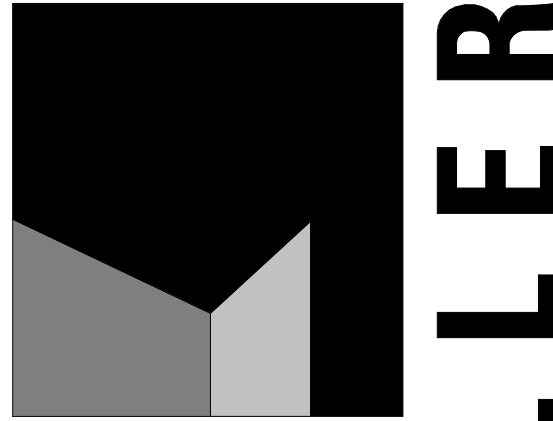
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0123

REF. SCALE IN INCHES

PROJECT #22007569.00

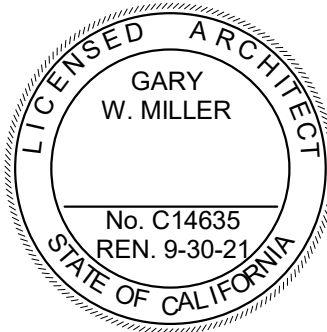
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interiors  
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**owner approval**

initials	date	phase

**revisions/addenda**

#	Date	Comment
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ANIMAL CARE CENTER

18313 VALLEY BLVD. BLOOMINGTON, CA 92313

SAN BERNARDINO COUNTY

**project information**

Project Number:	1227
Drawn By:	Author
Checked By:	PS
Issue Date:	05/17/24

**sheet name**

ADOPTION DOG  
BUILDING 6 POWER  
ROOF PLAN

**sheet number**

EK-202

NAME

10'-0"

HEIGHT ABOVE PROJECT 0'-0"

LEVEL NAME

INDICATES NOTE USED TO DESCRIBE ADDITIONAL INFORMATION ABOUT WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL

INDICATES DIRECTION OF TRUE NORTH

PLAN OR DETAIL NUMBER

PLAN OR DETAIL NAME

1

1/8" = 1'-0"

PLAN OR DETAIL SCALE

SIM

INDICATES SIMILAR DETAIL REFERENCED IN MULTIPLE LOCATIONS

DETAIL REFERRED TO BY SECTION CUT

M101

SHEET DETAIL IS LOCATED ON

T101

LINE TYPE AND TAG KEY:

NEW WORK BY THIS CONTRACTOR (WIDE LINE)

NEW

NEW UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

TAG

UNDERLINED TAG INDICATES OBJECT IS IN-SCOPE. IF NEW, ADDITIONAL INFORMATION IS AVAILABLE IN A SCHEDULE, MATERIAL LIST, OR SYMBOL LIST

INDICATES AN EXISTING SYSTEM'S POINT OF CONNECTION/REMOVAL

CONTRACTOR ABBREVIATION KEY	
ABBR:	DESCRIPTION:
A.V.C.	AUDIO/VISUAL CONTRACTOR
C.C.	CIVIL CONTRACTOR
C.M.	CONSTRUCTION MANAGER
E.C.	ELECTRICAL CONTRACTOR
F.P.C.	FIRE PROTECTION CONTRACTOR
F.S.C.	FOOD SERVICE CONTRACTOR
G.C.	GENERAL CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
S.C.	SECURITY CONTRACTOR
T.C.	TECHNOLOGY CONTRACTOR
T.C.C.	TEMPERATURE CONTROLS CONTRACTOR
V.C.	VENTILATION CONTRACTOR

PLUMBING SLOPE REQUIREMENTS:	
BASED ON PLUMBING CODE: CPC-2022	
INTERIOR:	
SANITARY WASTE:	1/4" PER FOOT
GREASE WASTE:	1/4" PER FOOT
STORM (GRAVITY):	1/8" PER FOOT
CONDENSATE AND INDIRECT DRAINAGE:	1/8" PER FOOT
SANITARY AND GREASE VENT:	NO SPECIFIC PITCH, PITCH TO FIXTURES
DOMESTIC WATER:	NO SPECIFIC PITCH, PITCH TO FIXTURES

APPLICABLE CODES AND STANDARDS:

2022 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE  
CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 1

2022 CALIFORNIA BUILDING CODE (CBC)  
CALIFORNIA CODE OF REGULATIONS TITLE 24, PART 2  
(2021 INTERNATIONAL BUILDING CODE (IBC) W/ 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA ELECTRICAL CODE (CEC)  
CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 3  
(2020 NATIONAL ELECTRICAL CODE (NEC) W/ 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA ENERGY CODE  
CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 6

2022 CALIFORNIA FIRE CODE (CFC)  
CALIFORNIA CODES OF REGULATIONS (CRR) TITLE 24, PART 9  
(2021 INTERNATIONAL FIRE CODE (IFC) W/ 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA EXISTING BUILDING CODE  
CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 10  
(2021 INTERNATIONAL EXISTING BUILDING CODE (IEBC))

2022 CALIFORNIA REFERENCES STANDARDS CODE  
CALIFORNIA DOE OF REGULATIONS (CCR) TITLE 24, PART 12

AMERICANS WITH DISABILITIES ACT (ADA)  
TITLE II - ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES (ADAG)  
1990 STATE FIRE MARSHAL REGULATIONS AND AMENDMENTS TO-DATE

CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, CALIFORNIA STATE  
ACCESSIBILITY STANDARDS CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 19

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CAL GREEN)  
CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24 PART 11

PLUMBING SYMBOL LIST

NOT ALL SYMBOLS MAY APPLY.

SYMBOL:

DESCRIPTION:

CW

COLD WATER - POTABLE

D

DRAIN

G

NATURAL GAS

HW

HOT WATER - POTABLE

HWC

HOT WATER CIRCULATING - POTABLE

HW140

HOT WATER - POTABLE NUMBER INDICATES TEMP

HWC140

HOT WATER CIRC. - POTABLE NUMBER INDICATES TEMP

SAN

SANITARY DRAINAGE

ST(1,000)

STORM DRAINAGE (ROOF SQUARE FOOTAGE)

STS

STORM DRAINAGE (SECONDARY)

STW

SOFT TEMPERED WATER

TW

TEMPERED WATER

V

VENT

W

SERVICE WATER - POTABLE

PIPE CONTINUATION

PIPE CAP

PIPE DOWN

PIPE UP OR UP/DOWN

PIPE SERVING FIXTURE ON FLOOR ABOVE (EXAMPLE: FD = FLOOR DRAIN)

PITCH PIPE IN DIRECTION

DIRECTION OF FLOW IN PIPE

ROUTE TO DRAIN

RD-1

6"(1000)

ROOF DRAIN PROPERTIES

DIELECTRIC CONNECTION

UNION/FLANGE

SHUTOFF VALVE NORMALLY OPEN

SHUTOFF VALVE NORMALLY CLOSED

BALANCING VALVE (NUMBER INDICATES GPM)

CHECK VALVE

BACKFLOW PREVENTER

SOLENOID VALVE

SAFETY/RELIEF VALVE

VACUUM BREAKER

PRESSURE GAUGE (FURNISHED WITH BALL VALVE)

PRESSURE SENSOR (FURNISHED WITH BALL VALVE)

TEMPERATURE SENSOR WITH WELL

THERMOMETER WITH WELL (DIAL TYPE)

THERMOMETER WITH WELL (FILLED TYPE)

REDUCER - REFERENCE SPECIFICATION FOR CONCENTRIC/ECCENTRIC AND FOT/FOB

PRESSURE REDUCING VALVE (LIQUID/GAS)

PUMP

METER

ALIGNMENT GUIDE

PIPE ANCHOR

EXPANSION JOINT

#.#" IS THE EXPANSION TRAVEL INCHES

AIR ADMITTANCE VALVE

PLUMBING ABBREVIATION KEY	
ABBR:	DESCRIPTION:
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
BFP	BACKFLOW PREVENTER
CI	CAST IRON
CO	CLEANOUT
DF	DRINKING FOUNTAIN
E	EXISTING
EE	EMERGENCY EYEWASH
ES	EMERGENCY SHOWER
ESE	EMERGENCY SHOWER/EYEWASH
EW	ELECTRIC WATER COOLER
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FM	FLOW METER
FS	FLOOR SINK
GO	GARBAGE DISPOSER
GI	GREASE INTERCEPTOR
HB	HOSE BIBB
I.E.	INVERT ELEVATION (FOR REFERENCE ONLY)
LAV	LAVATORY
MB	MOP BASIN
MV	MIXING VALVE
NIC	NOT IN CONTRACT
RD	ROOF DRAIN
SH	SHOWER
SK	SINK
SS	SERVICE SINK
TD	TRENCH DRAIN
TP	TRAP PRIMER
TYP	TYPICAL
UR	URINAL
VTR	VENT THROUGH ROOF
WC	WATER CLOSET
WCO	WALL CLEANOUT
WH	WATER HEATER
WM	WATER METER
UB	UTILITY BOX
YCO	YARD CLEANOUT

PLUMBING GENERAL NOTES:

1. THE SYMBOLS AND THE MATERIAL LIST ARE FOR THE CONVENIENCE OF THE CONTRACTOR. CONTRACTOR SHALL VERIFY QUANTITIES AND FURNISH ALL MATERIALS REQUIRED FOR FULLY OPERATIONAL SYSTEMS, WHETHER SPECIFIED OR NOT.

2. CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE, BUT ARE GIVEN AS AN AID TO THE CONTRACTOR AND TO INDICATE THE QUALITY REQUIRED. CONTRACTOR IS RESPONSIBLE FOR A COMPLETE DESCRIPTION OF MATERIAL ON THESE DRAWINGS AND IN THE SPECIFICATIONS BEFORE ORDERING. THE DESCRIPTION OF THE MATERIAL TAKES PRECEDENCE OVER THE CATALOG NUMBER. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN.

3. CONTRACTOR SHALL VERIFY THAT FIXTURES SUPPLIED ARE APPROVED PER ALL APPLICABLE STATE, LOCAL AND GOVERNING AUTHORITIES.

4. ALL FIXTURES SHALL CONFORM TO FEDERAL ACT S.3874

5. INVERT ELEVATIONS ARE FROM EXISTING DRAWINGS AND MAY NOT BE ACCURATE. VERIFY ALL ELEVATIONS BEFORE BEGINNING WORK.

6. VERIFY UNDERGROUND PIPE SIZES, INVERT ELEVATIONS, AND LOCATIONS PRIOR TO BEGINNING ANY WORK.

7. REFER TO THE PLUMBING ROUGH-IN SCHEDULE FOR THE SIZES OF BRANCH PIPES TO PLUMBING FIXTURES.

8. FOR CLARITY, NOT ALL VALVES HAVE BEEN SHOWN. PROVIDE SHUTOFF VALVES IN DOMESTIC WATER PIPING SERVING EACH ROOM WITH FIXTURES. ANGLE STOPS SHALL NOT BE CONSIDERED SHUTOFF VALVES.

MECHANICAL PHASING NOTES:

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, FIRE PROTECTION, PLUMBING, MEDICAL GAS, VENTILATION, PIPING AND TEMPERATURE CONTROL.

1. REFER TO ARCHITECTURAL DRAWINGS FOR GENERAL DESCRIPTION OF PHASES. REFER TO GENERAL CONTRACTOR'S INSTRUCTIONS FOR MORE DETAILS AND PHASING SCHEDULES AND FOR CONCURRENT WORK. MECHANICAL, ELECTRICAL AND TECHNOLOGY DRAWINGS DEPICT THE INTENT OF THE FINAL DESIGN. THE MECHANICAL, ELECTRICAL, AND TECHNOLOGY DRAWINGS DO NOT DEPICT THE MEANS AND METHODS TO MEET THE REQUIREMENTS OF THE PHASING CRITERIA.

2. REVIEW PROJECT PHASING PLANS TO COORDINATE DEMOLITION WORK, OUTAGES, ETC. WITH AFFECTED ADJACENT AREAS.

3. PROVIDE TEMPORARY DUCTWORK, PIPING, SHUTOFF VALVES, ZONE VALVES, ZONE ALARMS, ETC. AS NEEDED TO MAINTAIN SERVICE TO ALL AREAS DURING ALL PHASES OF PROJECT.

4. INSTALL TEMPORARY DUCTWORK, PIPING, SHUTOFF VALVES, ETC. AS NECESSARY TO KEEP ALL OCCUPIED SPACES OPERATIONAL THROUGHOUT ALL PHASES OF THE PROJECT

5. PHASE DEMOLITION WORK TO MINIMIZE DOWNTIME.

20" MAX.

48" MAX.

INSTALL ABOVE COUNTER DEVICE AT 40" ABOVE FINISHED FLOOR.

20"-25" MAX.

44" MAX.

INSTALL ABOVE COUNTER DEVICE AT 44" ABOVE FINISHED FLOOR.

15" MIN.

48" MAX.

INSTALL DEVICE AT 18" ABOVE FINISHED FLOOR.

10" MAX.

48" MAX.

INSTALL DEVICE AT 44" ABOVE FINISHED FLOOR.

10"-24" MAX.

46" MAX.

INSTALL DEVICE AT 42" ABOVE FINISHED FLOOR.

ADA GUIDELINES - FRONT ACCESS

ADA GUIDELINES - SIDE ACCESS

ADA STANDARDS FOR ACCESSIBLE DESIGN

MECHANICAL GENERAL NOTES:

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, FIRE PROTECTION, PLUMBING, MEDICAL GAS, VENTILATION, PIPING AND TEMPERATURE CONTROL.

1. DRAWINGS SHOWING LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS. DRAWINGS SHOW GENERAL ARRANGEMENT OF DUCTWORK, PIPING, EQUIPMENT, ETC., AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT.

2. DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. REVIEW ALL DRAWINGS INCLUDING THOSE OF OTHER TRADES.

3. 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.

4. REVIEW SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR SUBSTITUTED AND MAKE REASONABLE ACCOMMODATIONS IN LAYOUT AND POSITIONING TO PROVIDE PROPER ACCESS.

5. ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST OR EXPENSE TO OTHERS.

6. EACH CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ELECTRICAL CHANGES REQUIRED FOR EQUIPMENT PROPOSED THAT DIFFERS FROM THE BASIS OF DESIGN.

7. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY AUDIOVISUAL, AND OTHER MECHANICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS.

8. EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO WALLS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH.

9. IN AREAS WITH DRYWALL CEILINGS COORDINATE LOCATIONS OF ACCESS PANELS WITH THE GC FOR ACCESS TO VALVES, DUCTWORK ACCESSORIES, DAMPERS, ETC. COORDINATE PANEL TYPE AND COLOR WITH ARCHITECT. NOTIFY THE GC OF THE REQUIRED ACCESS PANELS PRIOR TO BIDDING.

10. SEAL ALL FLOOR, WALL, AND ROOF PENETRATIONS AIRTIGHT WHERE CONDUITS, PIPING, AND DUCTS PENETRATE. PENETRATIONS THROUGH EXTERIOR WALLS AND ROOF SHALL BE SEALED AIRTIGHT WITH WATERPROOFING MATERIALS RECOMMENDED BY MANUFACTURER FOR OUTDOOR USE.

11. CAULK ALL PIPE AND DUCT PENETRATIONS OF FULL HEIGHT NON-FIRE RATED WALL, PARTITION, FLOOR, AND ROOF ASSEMBLIES. THIS IS ESSENTIAL TO PREVENT NOISE TRANSMISSION FROM ONE ROOM TO ANOTHER AND TO PROVIDE THE DESIRED NC LEVELS WITHIN ROOMS.

12. WHERE PIPES AND DUCTS ARE SHOWN TO PENETRATE FLOORS, PROVIDE SLEEVED OPENINGS WITH THE TOP EDGE RAISED ABOVE FLOOR SURFACE IN ACCORDANCE WITH ALL RELEVANT SPEC SECTIONS. SEAL SLEEVE PERIMETER TO BE WATERTIGHT.

13. EQUIPMENT SIZES AND SERVICE CLEARANCE REQUIREMENTS VARY AMONG DIFFERENT MANUFACTURERS. CONSULT APPROVED SHOP DRAWINGS FOR EQUIPMENT SIZES AND REQUIRED SERVICE CLEARANCES. COORDINATE WITH LAYOUT OF EQUIPMENT PADS, PIPING, DUCTWORK, ETC.

14. DO NOT BLOCK TUBE PULL OR EQUIPMENT SERVICE CLEARANCES.

15. MAINTAIN A MINIMUM WORKING CLEARANCE OF 3'-6" IN FRONT OF ALL ELECTRICAL EQUIPMENT REQUIRING MAINTENANCE, INSPECTION, AND TESTING INCLUDING BUT NOT LIMITED TO PANELS, DISTRIBUTION PANELS, SWITCHBOARDS, MOTOR CONTROL CENTERS, TRANSFORMERS, EQUIPMENT DISCONNECTS AND STARTERS.

16. MAINTAIN THE DEDICATED ELECTRICAL EQUIPMENT SPACE DEFINED BY THE WIDTH / DEPTH OF ELECTRICAL EQUIPMENT MEASURED FROM THE FLOOR TO A HEIGHT 6'-0" ABOVE THE EQUIPMENT OR THE STRUCTURAL CEILING, WHICHEVER IS LOWER. SYSTEMS FOREIGN TO THE ELECTRICAL DISTRIBUTION SYSTEM ARE NOT ALLOWED IN THE DEDICATED ELECTRICAL SPACE INCLUDING DUCTWORK, PIPING, ETC.

17. PROVIDE CONCRETE EQUIPMENT PAD FOR ALL FLOOR MOUNTED EQUIPMENT. PAD SHALL EXTEND MINIMUM 6" BEYOND ALL SIDES OF EQUIPMENT.

18. DO NOT SUPPORT EQUIPMENT, PIPING, OR DUCTWORK FROM METAL DECKING OR OTHER NON-STRUCTURAL BUILDING ELEMENTS. ANCHORS EMBEDDED IN CONCRETE SHALL BE CRACKED CONCRETE APPROVED IN ACCORDANCE WITH SPECIFICATIONS.

PLUMBING SHEET INDEX	
P-100	PLUMBING COVERSHEET
PS-101	PLUMBING SITE PLAN
P-101	SCHEDULES
P-102	CALCULATIONS
PA-101	ADMINISTRATION BUILDING PLUMBING UNDERFLOOR PLAN
PA-102	ADMINISTRATION BUILDING PLUMBING FIRST FLOOR PLAN
PA-103	ADMINISTRATION BUILDING PLUMBING SECOND FLOOR PLAN
PA-104	ADMINISTRATION BUILDING PLUMBING ROOF PLAN
PBC-101	MEDICAL CLINIC PLUMBING UNDERFLOOR PLAN
PBC-102	MEDICAL CLINIC PLUMBING FLOOR PLAN
PBC-103	MEDICAL CLINIC PLUMBING ROOF PLAN
PD-101	CAT & OTHER ANIMALS BUILDING PLUMBING UNDERFLOOR PLAN
PD-102	CAT & OTHER ANIMALS BUILDING PLUMBING FLOOR PLAN
PD-103	CAT & OTHER ANIMALS BUILDING PLUMBING ROOF PLAN
PE-101	ADOPTION DOG BUILDING 1 PLUMBING UNDERFLOOR PLAN
PE-102	ADOPTION DOG BUILDING 1 PLUMBING FLOOR PLAN
PE-103	ADOPTION DOG BUILDING 1 PLUMBING ROOF PLAN
PF-101	ADOPTION DOG BUILDING 2 PLUMBING UNDERFLOOR PLAN
PF-102	ADOPTION DOG BUILDING 2 PLUMBING FLOOR PLAN
PF-103	ADOPTION DOG BUILDING 2 PLUMBING ROOF PLAN
PG-101	ADOPTION DOG BUILDING 3 PLUMBING UNDERFLOOR PLAN
PG-102	ADOPTION DOG BUILDING 3 PLUMBING FLOOR PLAN
PG-103	ADOPTION DOG BUILDING 3 PLUMBING ROOF PLAN
PH-101	STRAY DOG BUILDING PLUMBING UNDERFLOOR PLAN
PH-102	STRAY DOG BUILDING PLUMBING FLOOR PLAN
PH-103	STRAY DOG BUILDING PLUMBING ROOF PLAN
PH-1-101	ADOPTION DOG BUILDING 4 PLUMBING UNDERFLOOR PLAN
PH-1-102	ADOPTION DOG BUILDING 4 PLUMBING FLOOR PLAN
PH-1-103	ADOPTION DOG BUILDING 4 PLUMBING ROOF PLAN
PI-101	SUPPORT BUILDING PLUMBING UNDERFLOOR PLAN
PI-102	SUPPORT BUILDING PLUMBING FLOOR PLAN
PI-103	SUPPORT BUILDING PLUMBING ROOF PLAN
PJ-101	ADOPTION DOG BUILDING 5 PLUMBING UNDERFLOOR PLAN
PJ-102	ADOPTION DOG BUILDING 5 PLUMBING FLOOR PLAN
PJ-103	ADOPTION DOG BUILDING 5 PLUMBING ROOF PLAN
PK-101	ADOPTION DOG BUILDING 6 PLUMBING UNDERFLOOR PLAN
PK-102	ADOPTION DOG BUILDING 6 PLUMBING FLOOR PLAN
PK-103	ADOPTION DOG BUILDING 6 PLUMBING ROOF PLAN
P-300	PLUMBING DETAILS
P-301	PLUMBING DETAILS
P-302	PLUMBING DETAILS
GRAND TOTAL: 41	

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REGISTERED PROFESSIONAL ENGINEER  
No. M34060  
Exp. June 30 2026  
MECHANICAL

0 1 2 3  
REF. SCALE IN INCHES PROJECT #22007569.00

architecture  
interiors  
planning

"Shelter Planners  
of America"

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LICENSED ARCHITECT  
GARY  
W. MILLER  
No. C14635  
REN. 9-30-21  
STATE OF CALIFORNIA

owner approval  
initials date phase

revisions/addenda  
# Date Comment

ANIMAL CARE CENTER

18313 VALLEY BLVD. BLOOMINGTON, CA 92313

SAN BERNARDINO COUNTY

project information  
Project Number: 1227  
Drawn By: JH  
Checked By: PS  
Issue Date: 05/17/24

sheet name

PLUMBING  
COVERSHEET

sheet number  
P-100

Sheet Of Sheets



DOMESTIC HOT WATER SIZING			
PIPE SIZE	FLOW RATE (GPM)	VELOCITY (FT/SEC.)	FIXTURE UNITS
1/2"	2.02	2.78	-
3/4"	5.28	3.50	4
1"	10.29	4.0	12
1 1/4"	15.67	4.0	24
1 1/2"	22.18	4.0	46
2"	38.59	4.0	119
2 1/2"	59.50	4.0	245
3"	84.93	4.0	406
PIPE MATERIAL: TYPE L COPPER MAXIMUM ACCEPTABLE PRESSURE LOSS: 3 PSI/100 FT. MAXIMUM ACCEPTABLE VELOCITY: 4 FT./SEC.			

SITE HYDRAULIC WATER CALCULATION			
WATER PRESSURE:			
STREET PRESSURE READING:	=	98	PSI
BUILDING DEMAND:			
TOTAL DEMAND 191	FIXTURE UNIT (FU)	=	90 GPM
MAX BUILDING PRESSURE		=	79 PSI
PRESSURE LOSSES:			
SITE METER	=	2.6	PSI
BACKFLOW DEVICE PRESSURE DROP	=	13	PSI
FALL-OFF PRESSURE FOR PRV		=	4 PSI
BUILDING STATIC 25	x0.433	=	14.8 PSI
RESIDUAL REQUIRED (FV)		=	25 PSI
TOTAL LOSSES		=	60 PSI
PRESSURE AVAILABLE FOR FRICTION LOSS:			
PRESSURE AVAILABLE FOR LOSSES	79-60	=	10.6 PSI
TOTAL DEVELOPED LENGTH	250	x1.25 (FITTINGS)	= 375 FEET
PSI LOSSES PER 100 FT.			
19	PSIx100'/	326.25	= 5.1 PSI/100'
PIPING SIZED ON 5 PSI/100' PIPE FRICTION LOSS & MAX. 6 FT./SEC. VELOCITY			

WATER HEATER SIZING CALCULATION SUPPORT BUILDING			
FIXTURE TYPE	QTY	GPH	TOTAL GPH
LAVATORY PUBLIC	4	6	24
SHOWER	4	75	300
KITCHEN SINK	1	20	20
PANTRY SINK	2	10	20
		TOTAL	364
MAX DEMAND WITH DEMAND FACTOR	25%	91	GPH
53.5 x 76F*8.33 LBS/3413 =		12.44	KW
STORAGE CAPACITY (GAL)		54.6	GAL


WH-3 SIZING CALCULATION MEDICAL BUILDING			
FIXTURE TYPE	QTY	GPH	TOTAL GPH
LAVATORY PRIVATE	1	2	2
KITCHEN SINK	0	20	0
SINK	3	10	30
SERVICE SINK	2	20	40
		TOTAL	72
MAX DEMAND WITH DEMAND FACTOR	25%	18	GPH
20.5 x 56F*8.33 LBS/3413 =		2.5	KW
STORAGE CAPACITY (GAL)		12.3	GAL

WH-4 SIZING CALCULATION ADMINISTRATION BUILDING			
FIXTURE TYPE	QTY	GPH	TOTAL GPH
LAVATORY PUBLIC	10	6	60
KITCHEN SINK	1	20	20
PANTRY SINK	4	10	40
SERVICE SINK	3	20	60
		TOTAL	180
MAX DEMAND WITH DEMAND FACTOR	25%	45	GPH
45 x 56F*8.33 LBS/3413 =		6.15	KW
STORAGE CAPACITY (GAL)		27	GAL

DOMESTIC COLD WATER SIZING				
PIPE SIZE	FLOW RATE (GPM)	VELOCITY (FT/SEC.)	FIXTURE UNITS	
			FLUSH TANK	FLUSH VALVE
1/2"	2.02	2.78	-	-
3/4"	5.28	3.50	4	-
1"	10.64	4.14	12	-
1 1/4"	18.51	4.73	24	-
1 1/2"	29.23	5.27	46	10
2"	57.88	6.0	155	63
2 1/2"	89.25	6.0	380	245
3"	127.40	6.0	665	596
PIPE MATERIAL: TYPE L COPPER MAXIMUM ACCEPTABLE PRESSURE LOSS: 3 PSI/100 FT. MAXIMUM ACCEPTABLE VELOCITY: 6 FT./SEC.				

VERTICAL RAINWATER SIZE CHART		
2" RAIN FALL RATE ESTIMATE BASED ON THE U.S. WEATHER BUREAU 100 YEAR 60 MINUTE RAINFALL RATES FOR VARIOUS CITIES.		
PIPE SIZE	FLOW AT VERTICAL IN GPM	MAXIMUM SQUARE FEET
3"	92	4400
4"	192	9200
5"	360	17300
6"	563	27000
8"	1208	38660

HORIZONTAL RAINWATER SIZE CHART		
2" RAIN FALL RATE ESTIMATE BASED ON THE U.S. WEATHER BUREAU 100 YEAR 60 MINUTE RAINFALL RATES FOR VARIOUS CITIES.		
PIPE SIZE	FLOW AT 1/4"IN./FT. SLOPE IN GPM	MAXIMUM SQUARE FEET
3"	48	2320
4"	110	5300
5"	196	9440
6"	314	15100
8"	677	32600
10"	1214	58400
HORIZONTAL PIPING SHALL BE INSTALLED AT 1/4" SLOPE PER FOOT		



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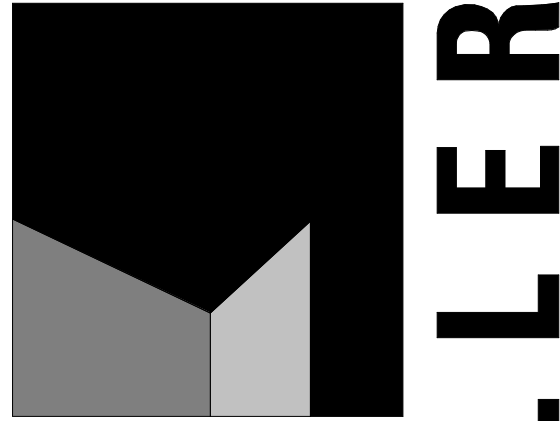
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REGISTERED PROFESSIONAL ENGINEER  
No. M34080  
Exp. June 30 2026  
MECHANICAL  
D. Miller

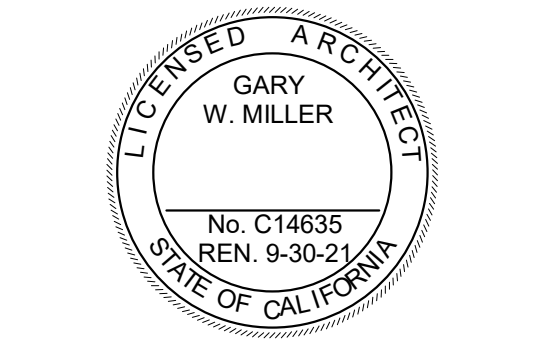
PROJECT #22007569.00



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initials	date	phase

revisions/addenda		
#	Date	Comment

ANIMAL CARE CENTER

18313 VALLEY BLVD. BLOOMINGTON, CA 92313

SAN BERNARDINO COUNTY

project information	
Project Number:	1227
Drawn By:	JH
Checked By:	PS
Issue Date:	05/17/24

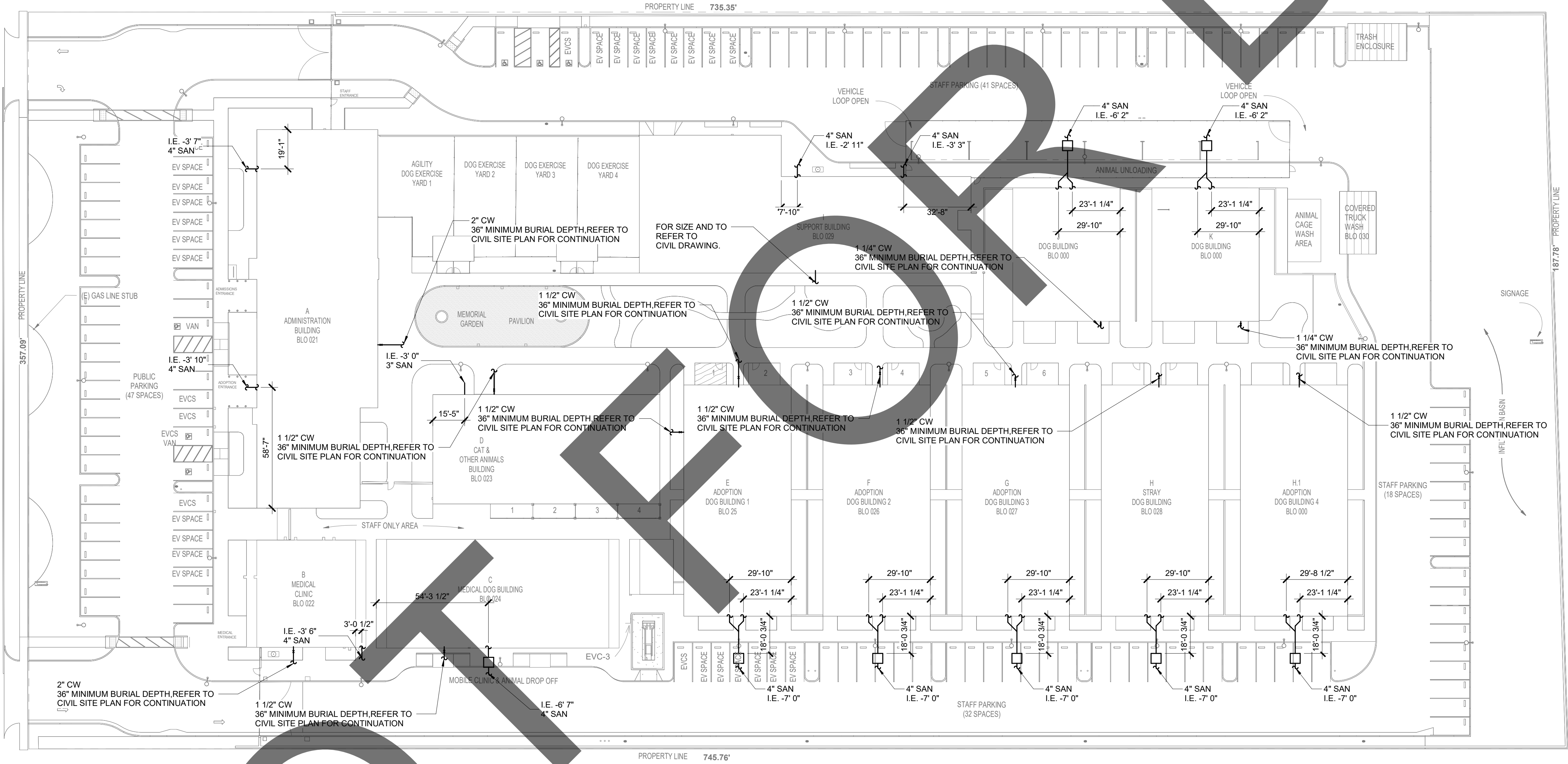
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CALCULATIONS

sheet number

P-102

Sheet Of Sheets



**PLUMBING SITE PLAN**

1" = 30'-0"

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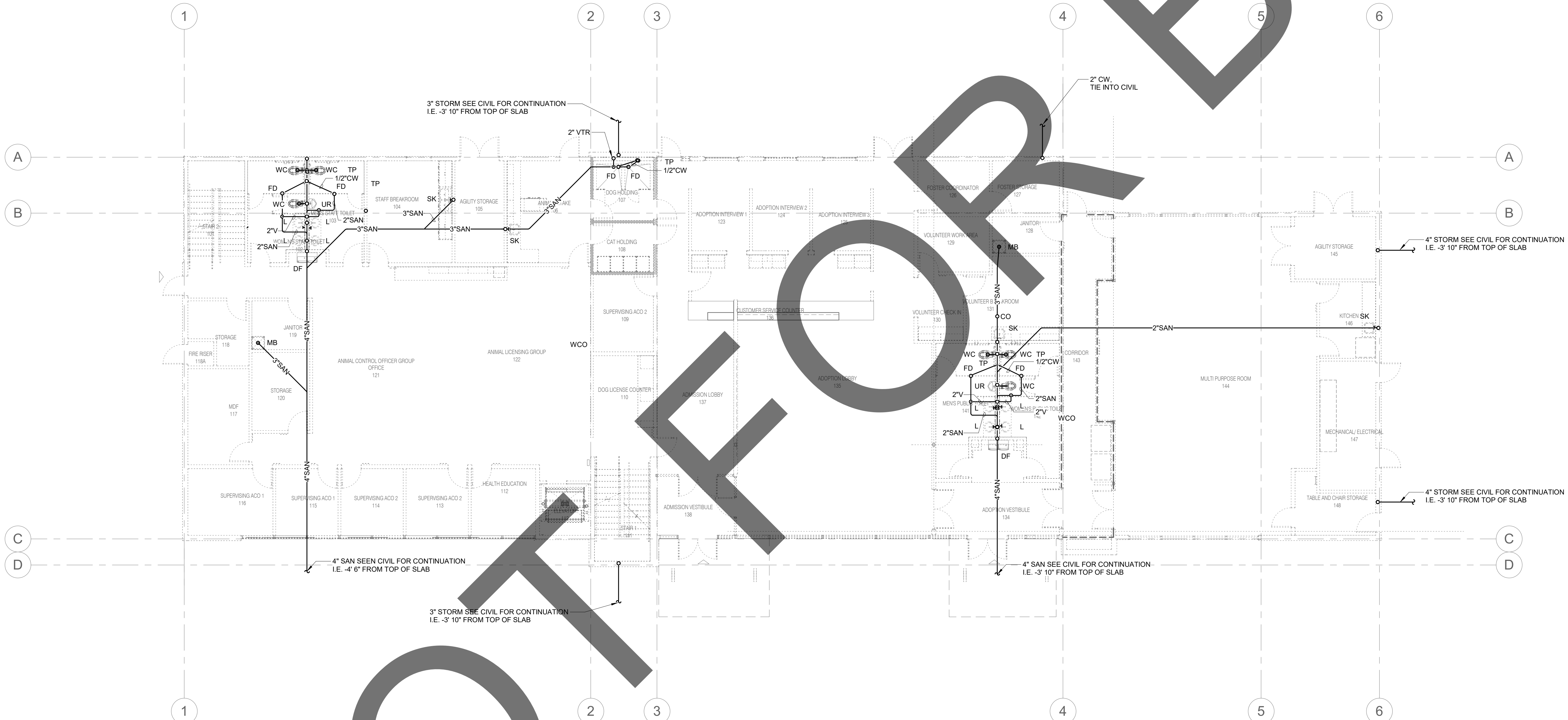
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PLUMBING SITE PLAN

**sheet number**

PS-101

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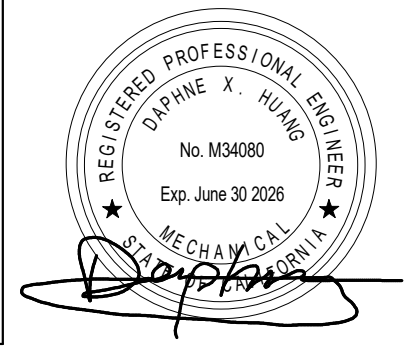
ADMINISTRATION BUILDING PLUMBING UNDERFLOOR PLAN

1/8" = 1'-0"

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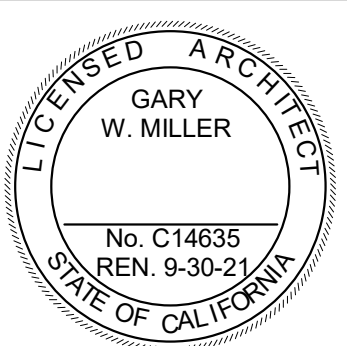
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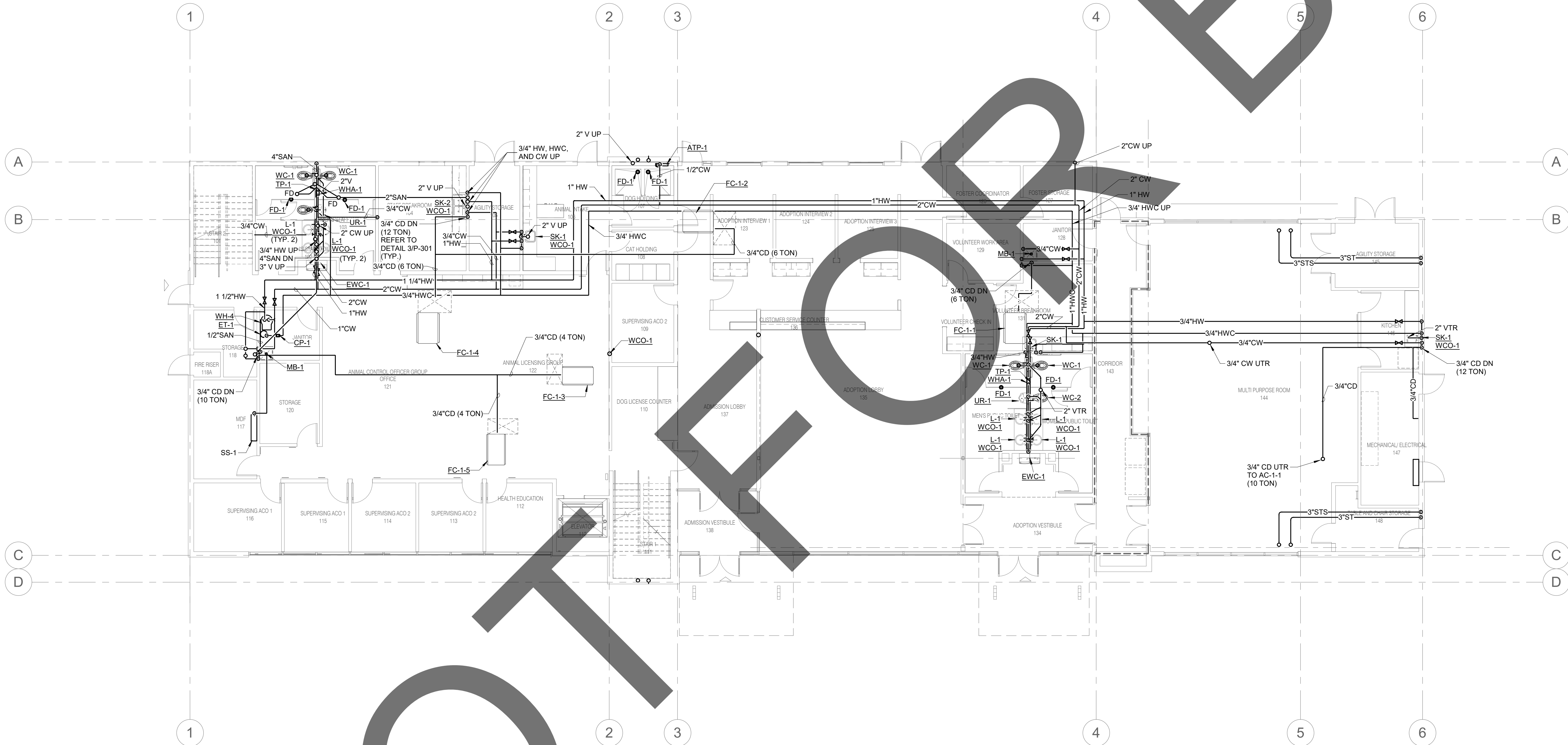
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ADMINISTRATION  
BUILDING PLUMBING  
UNDERFLOOR PLAN

sheet number

PA-101


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# ADMINISTRATION BUILDING PLUMBING FIRST FLOOR PLAN

1/8" = 1'-0"

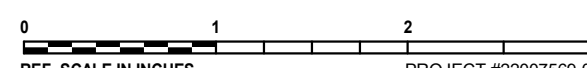


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DWAYNE X. HUANG  
No. M34080  
Exp. June 30, 2026  
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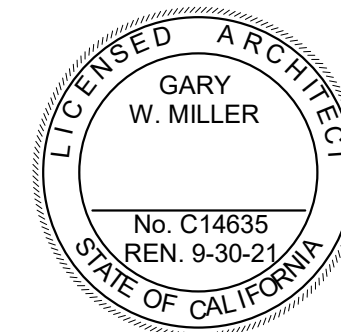


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Drawn By: JH  
Checked By: PS  
Issue Date: 05/17/24

## sheet name

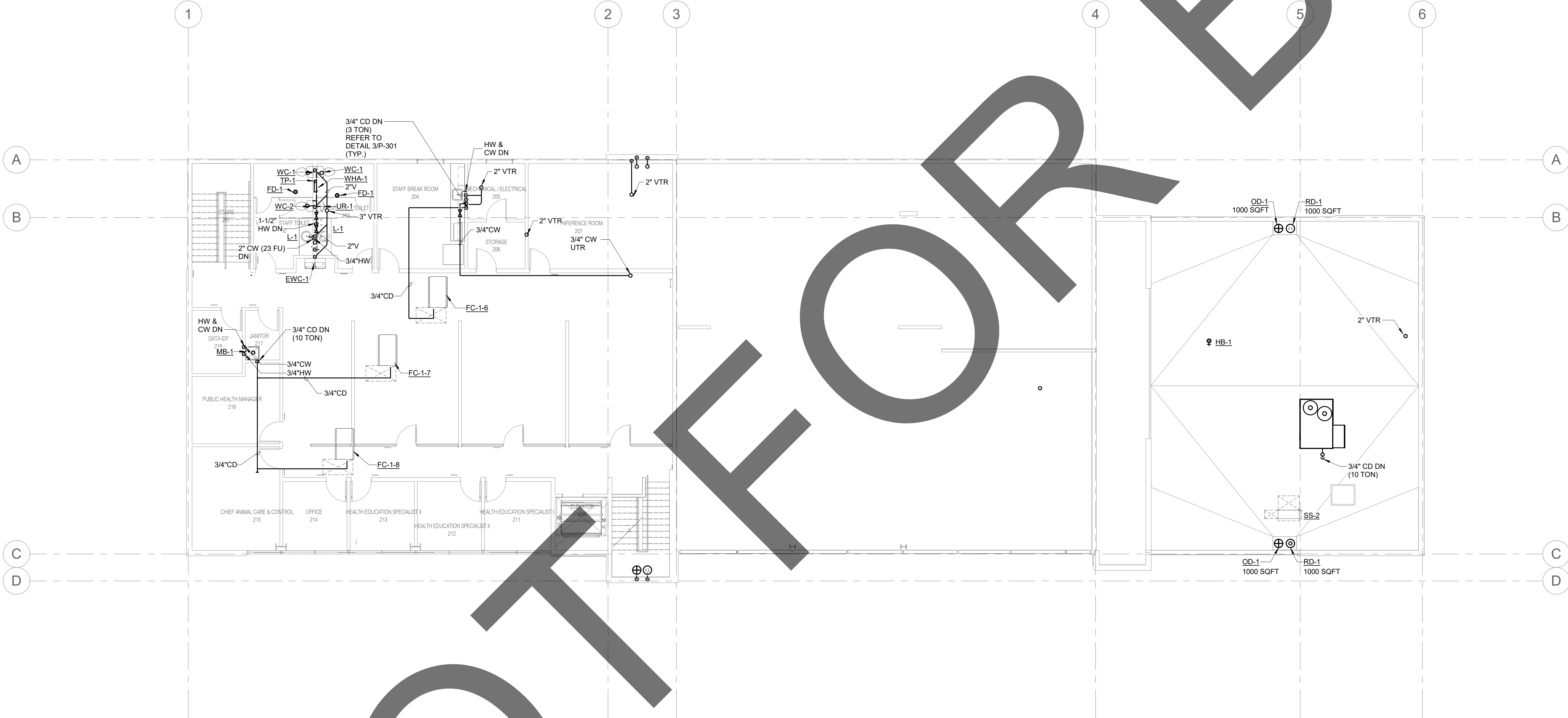
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BUILDING PLUMBING  
FIRST FLOOR PLAN

## sheet number

PA-102

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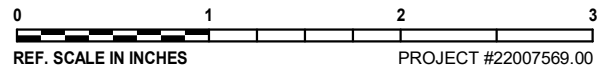
ADMINISTRATION BUILDING PLUMBING SECOND FLOOR PLAN

1/8" = 1'-0"

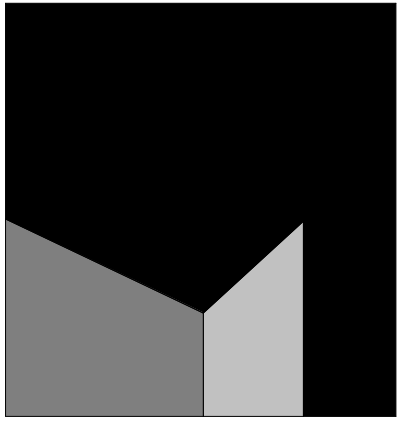


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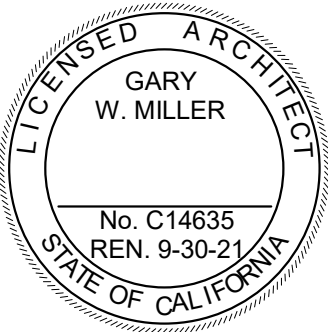


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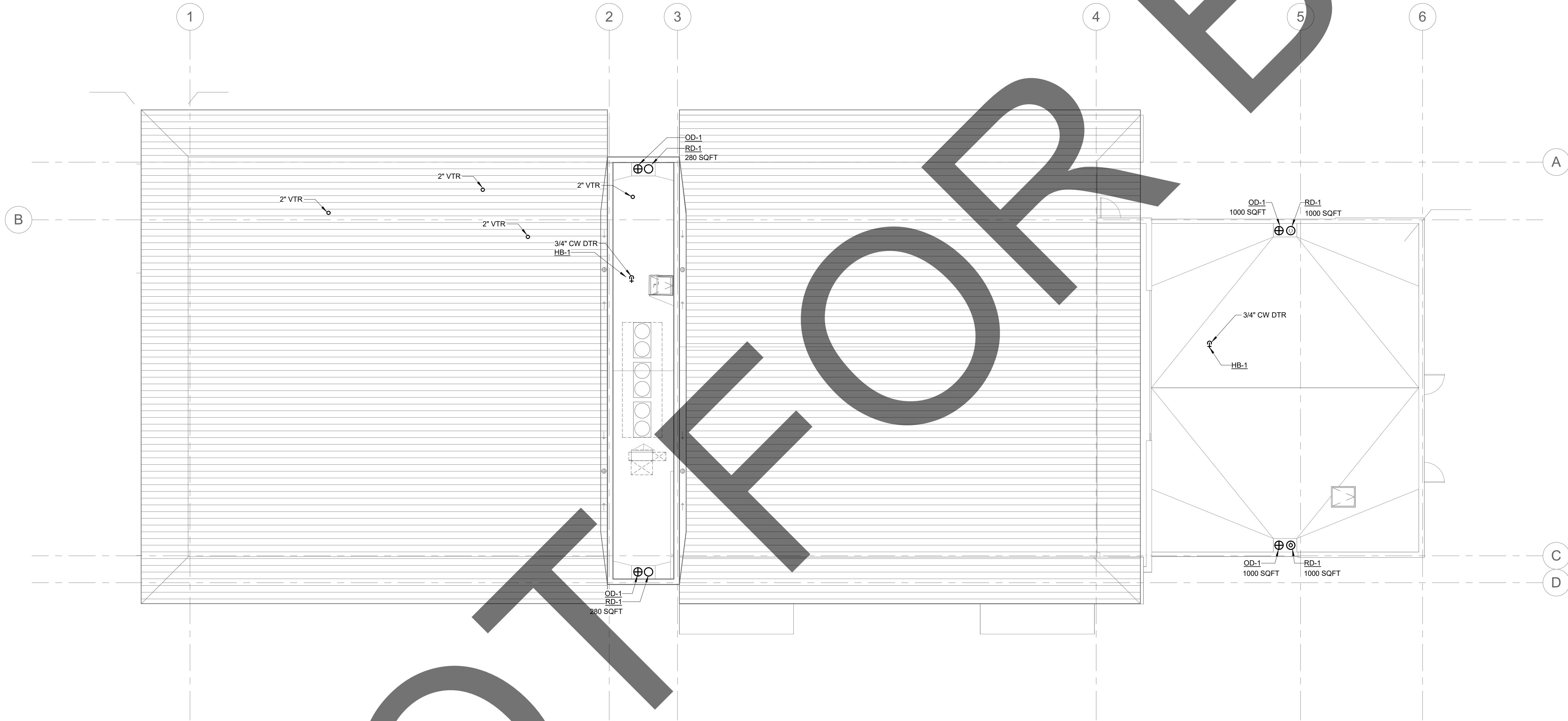
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ADMINISTRATION  
BUILDING PLUMBING  
SECOND FLOOR  
PLAN

sheet number

PA-103


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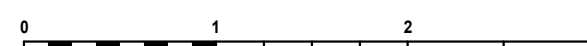
ADMINISTRATION BUILDING PLUMBING ROOF PLAN

1/8" = 1'-0"

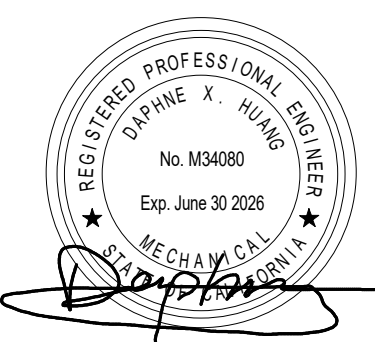


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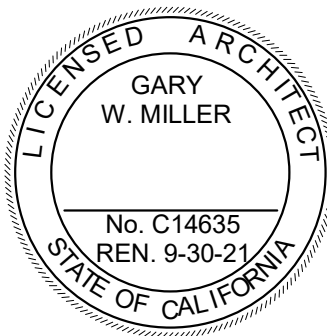
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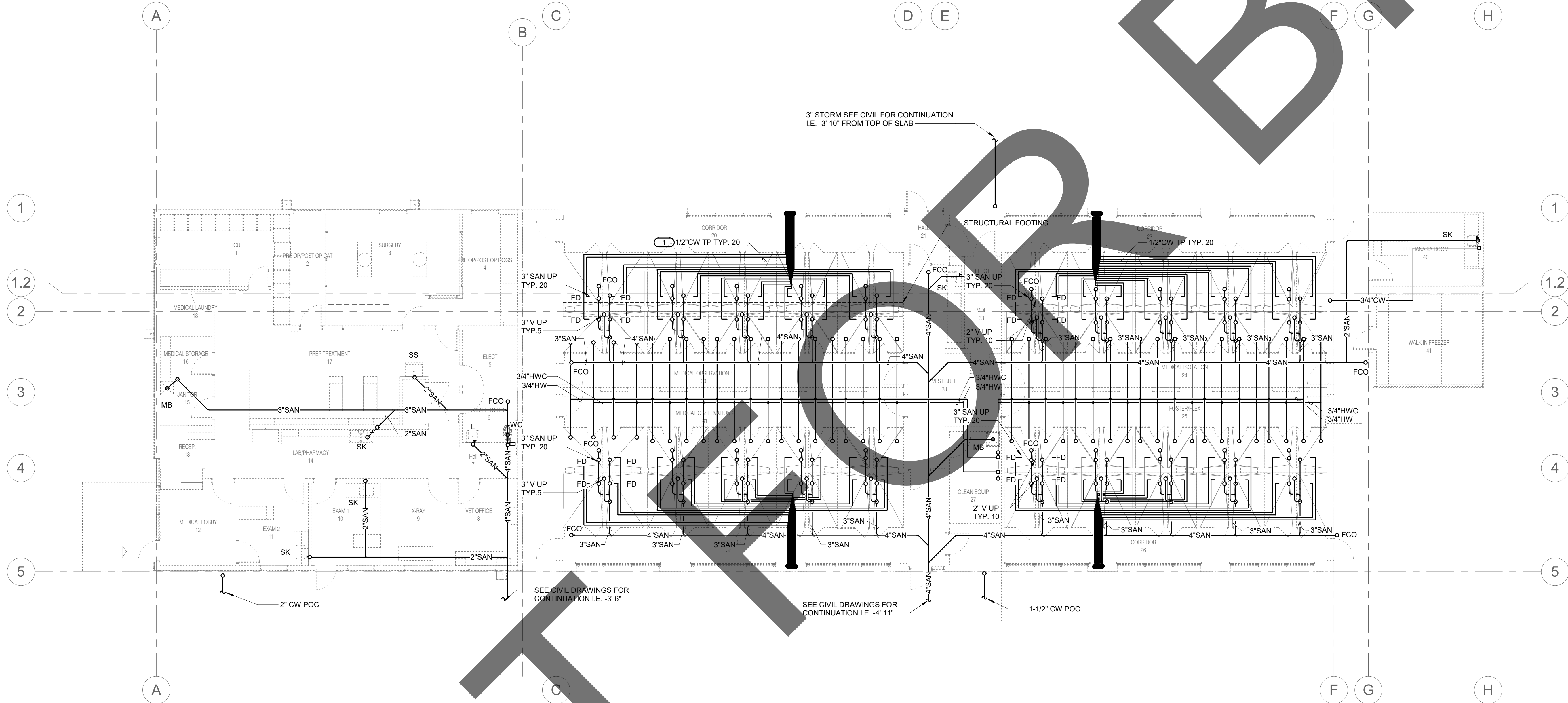
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ADMINISTRATION  
BUILDING PLUMBING  
ROOF PLAN

sheet number

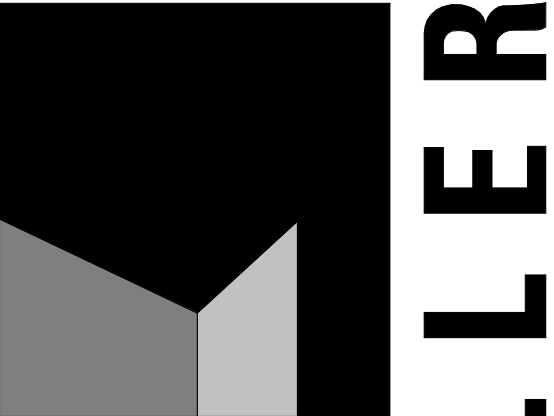
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KEY NOTES C#

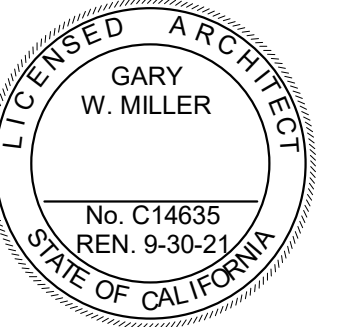
1. INSTALL ALL TRAP PRIMER PIPES SLOPING DOWN TOWARDS THE DRAIN THEY SERVE.



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project information

Project Number: 1227  
Drawn By: JH  
Checked By: PS  
Issue Date: 05/17/24

sheet name

MEDICAL CLINIC  
PLUMBING  
UNDERFLOOR PLAN

sheet number

PBC-101

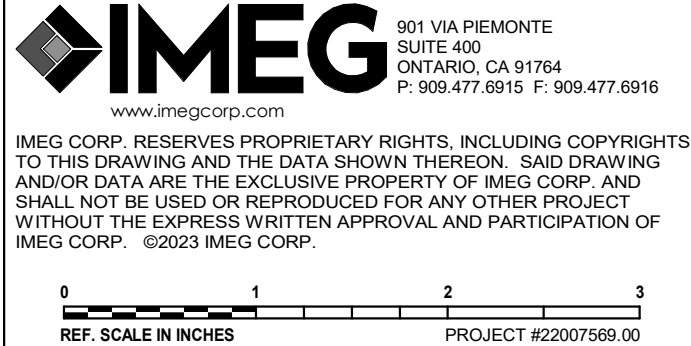
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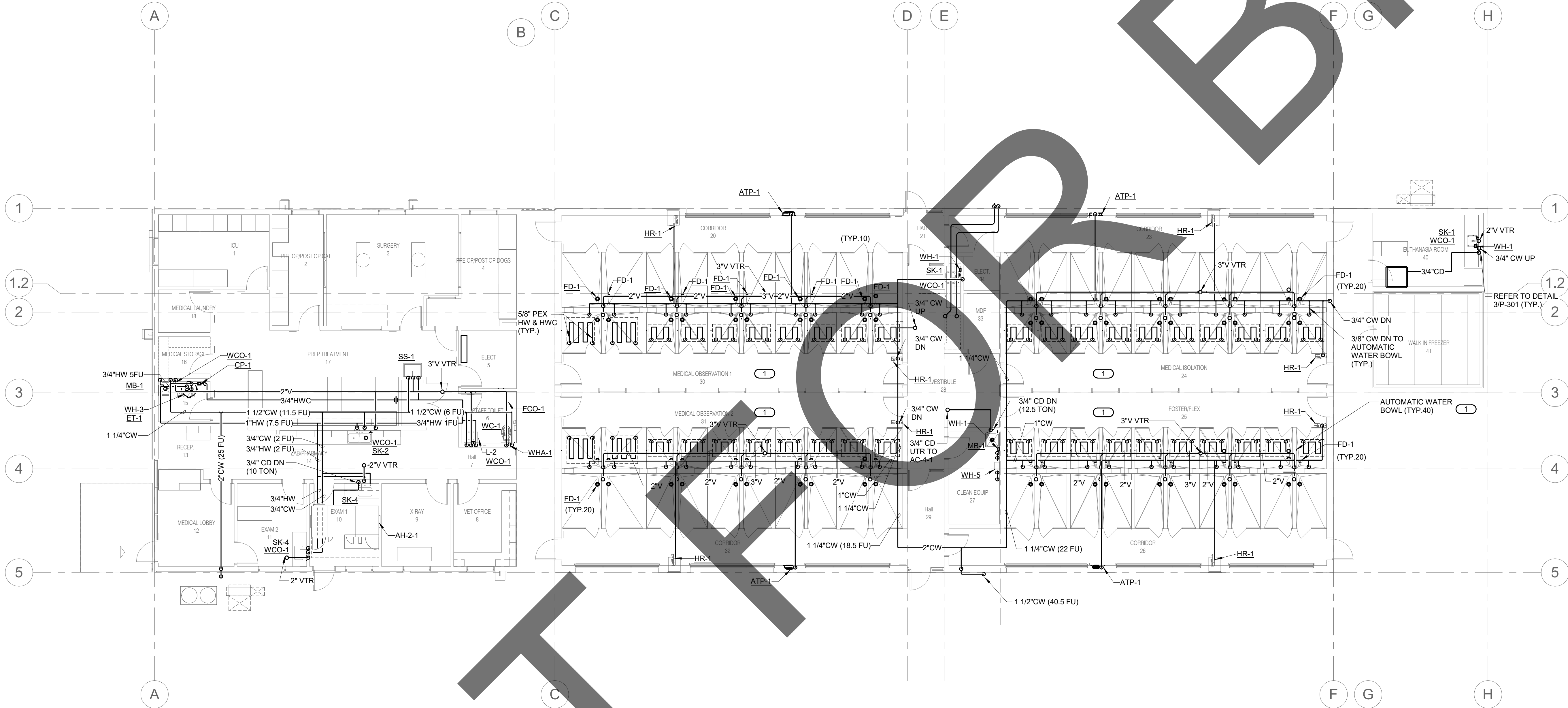
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MEDICAL CLINIC PLUMBING UNDERFLOOR PLAN

1/8" = 1'-0"



Autodesk Docs:122007569.00 - New San Bernardino County Animal Shelter/MEPT22 22007569.00 New San Bernardino County Animal Shelter C.rvt  
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KEY NOTES

1. ALL KENNELS SHALL RECEIVE CW CONNECTION FOR AUTOMATIC WATERING BOWLS.



1

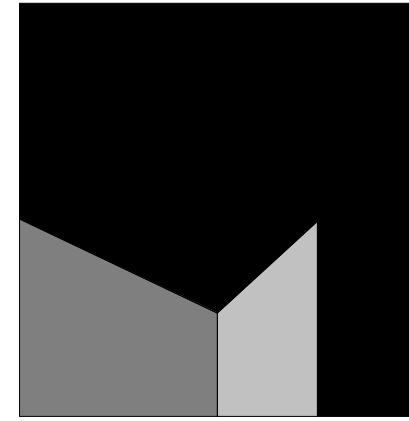
MEDICAL CLINIC PLUMBING FLOOR PLAN

1/8" = 1'-0"



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project information

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Issue Date: 05/17/24

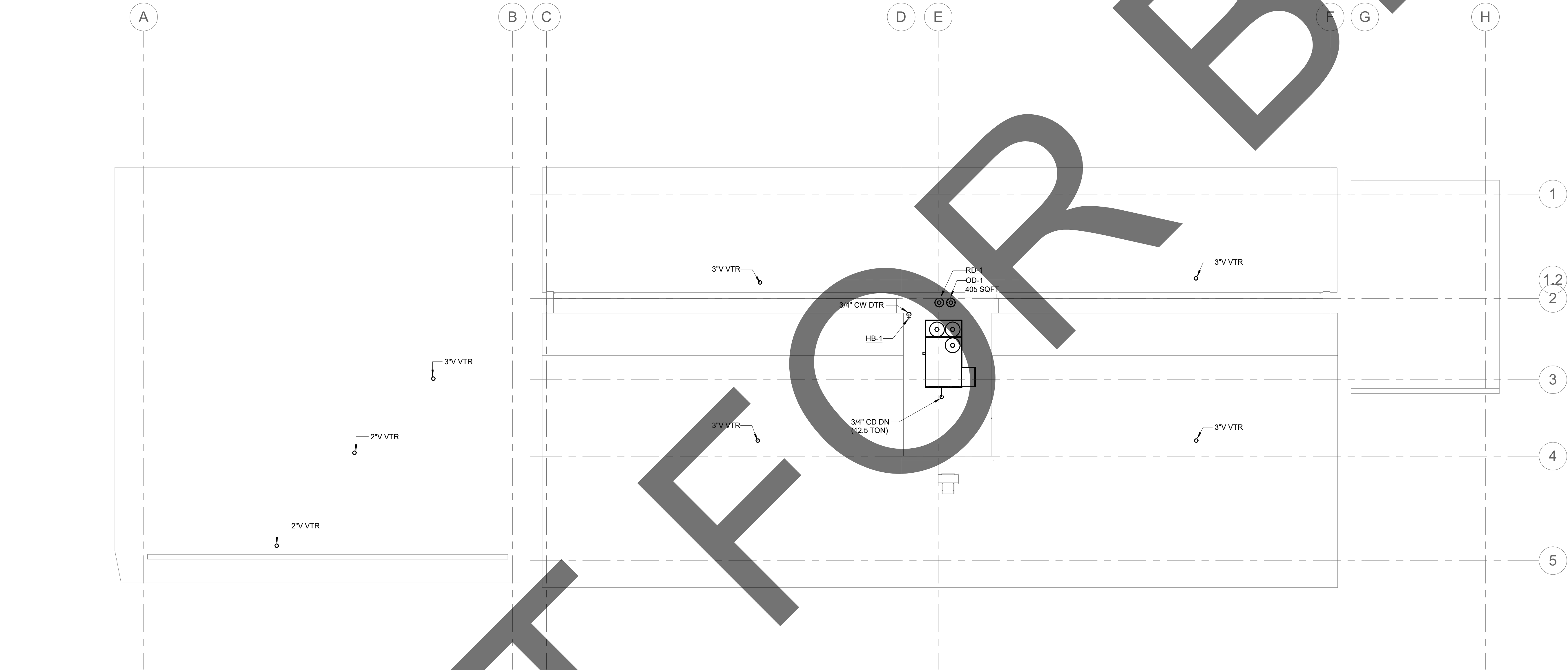
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MEDICAL CLINIC  
PLUMBING FLOOR  
PLAN

sheet number

PBC-102


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1

MEDICAL CLINIC PLUMBING ROOF PLAN

1/8" = 1'-0"



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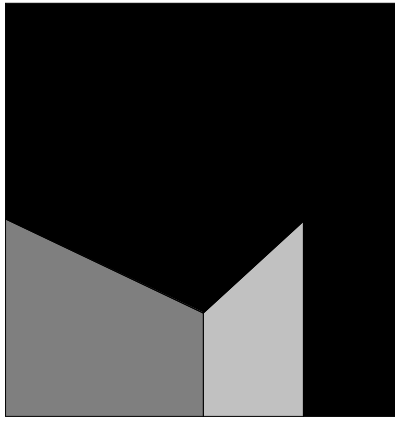
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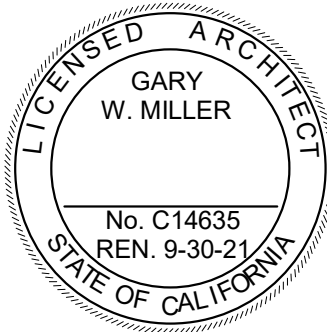


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Drawn By:	JH
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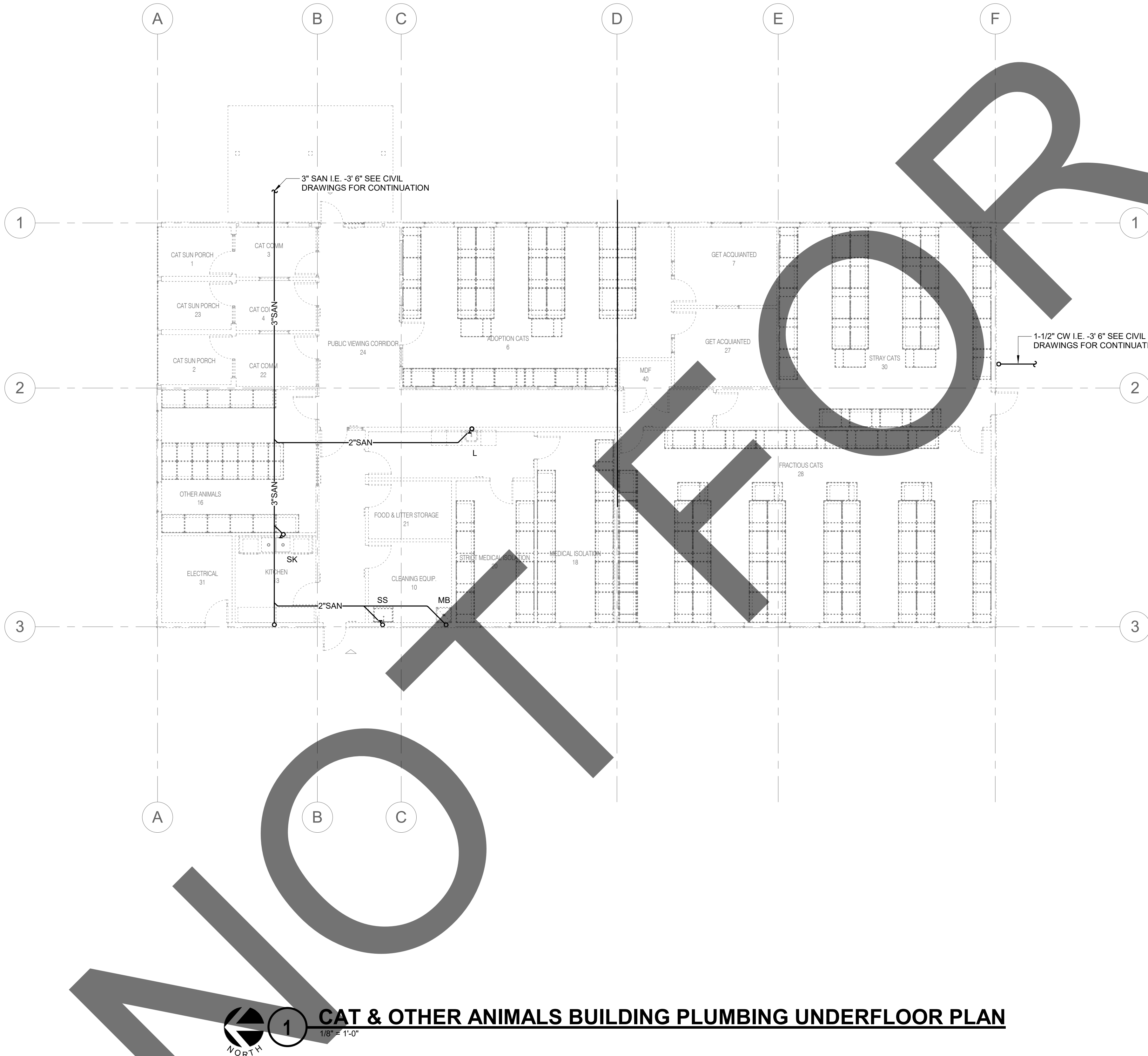
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PLUMBING ROOF  
PLAN

sheet number

PBC-103

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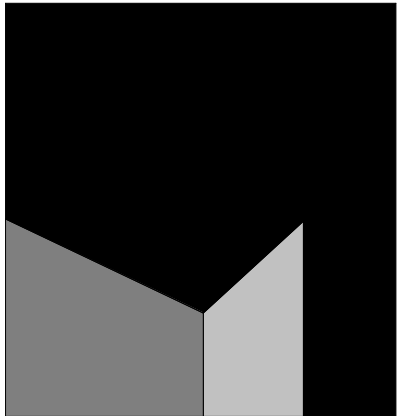
CAT & OTHER ANIMALS BUILDING PLUMBING UNDERFLOOR PLAN

1/8" = 1'-0"

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revisions/addenda

#	Date	Comment
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ANIMAL CARE CENTER

18313 VALLEY BLVD. BLOOMINGTON, CA 92313

SAN BERNARDINO COUNTY

project information

Project Number: 1227  
Drawn By: JH  
Checked By: PS  
Issue Date: 05/17/24

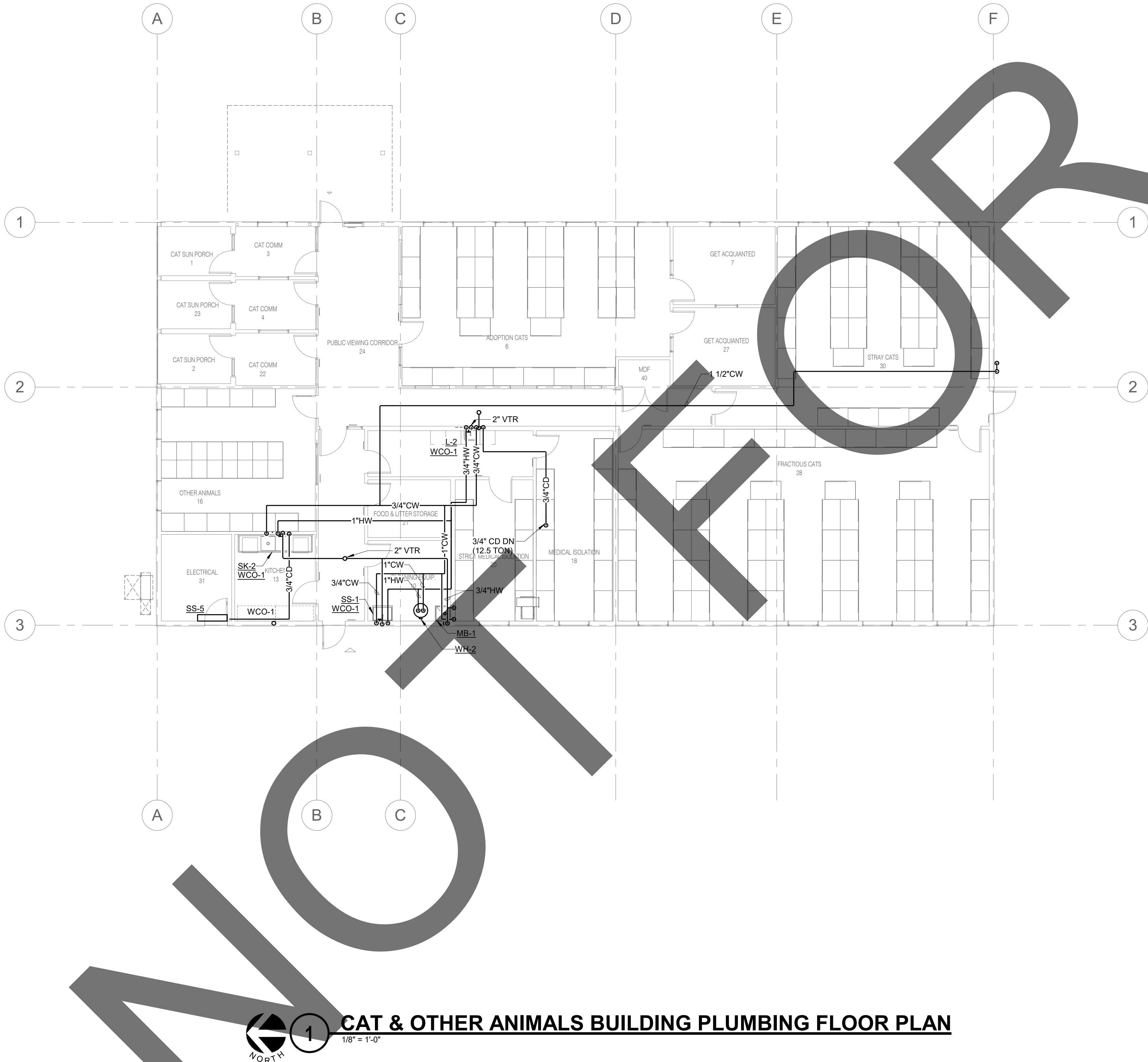
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CAT & OTHER  
ANIMALS BUILDING  
PLUMBING  
UNDERFLOOR PLAN

sheet number

PD-101


Sheet Of Sheets



1


1/8" = 1'-0"

CAT & OTHER ANIMALS BUILDING PLUMBING FLOOR PLAN



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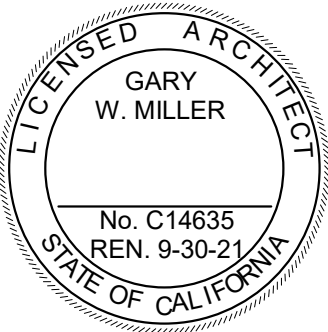
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REF. SCALE IN FEET PROJECT #22007569.00



architecture  
interiors  
planning



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Phone: 909-335-7400  
Fax: 909-335-7299  
info@millier-aip.com



owner approval

initials	date	phase

revisions/addenda

#	Date	Comment
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ANIMAL CARE CENTER

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SAN BERNARDINO COUNTY

project information

Project Number:	1227
Drawn By:	JH
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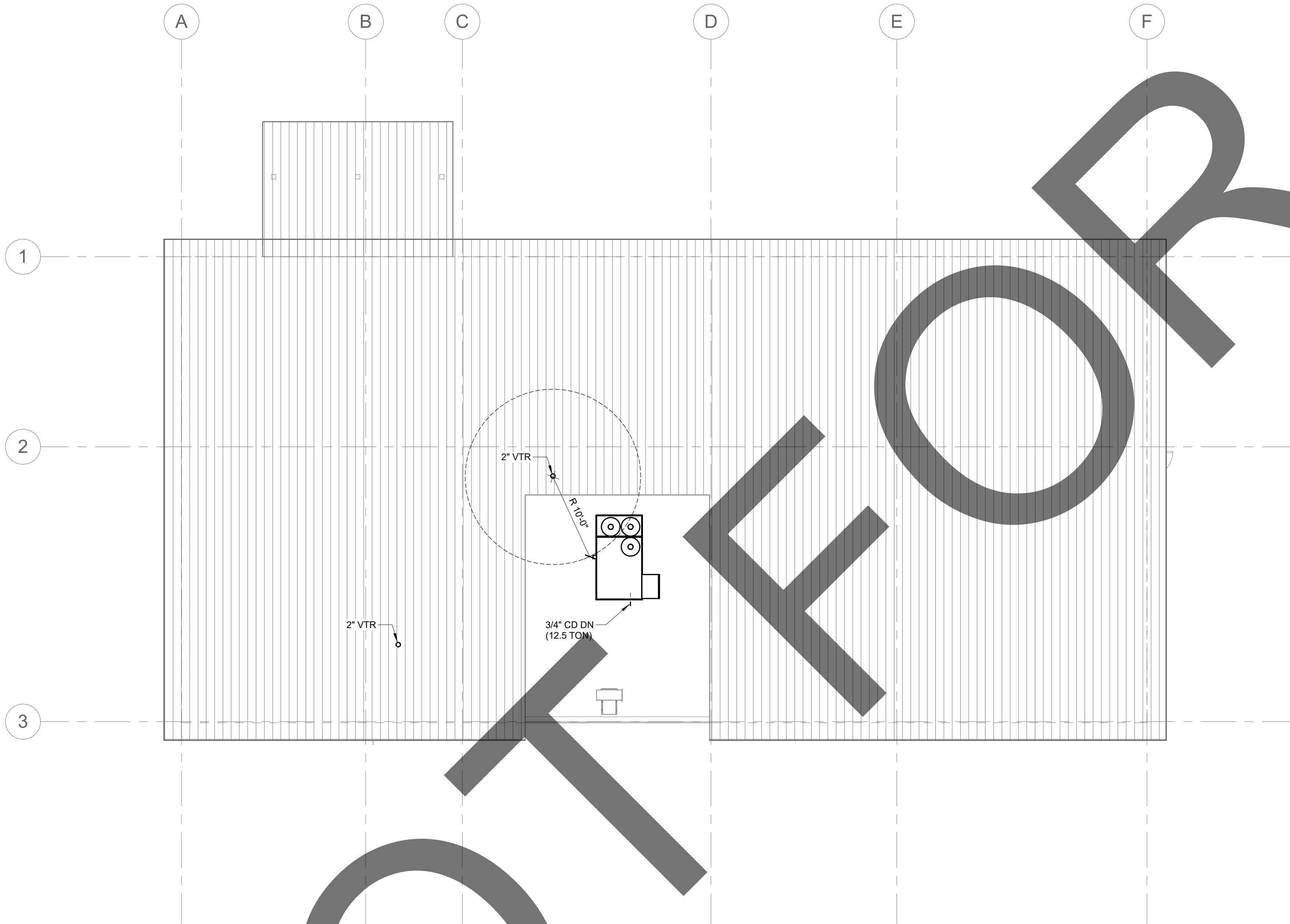
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CAT & OTHER  
ANIMALS BUILDING  
PLUMBING FLOOR  
PLAN

sheet number

PD-102


Sheet Of Sheets



1

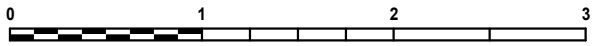
CAT & OTHER ANIMALS BUILDING PLUMBING ROOF PLAN

1/8" = 1'-0"



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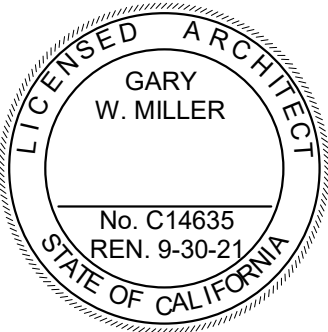
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REF. SCALE IN INCHES PROJECT #22007569.00



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owner approval

initials	date	phase

revisions/addenda

#	Date	Comment
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ANIMAL CARE CENTER

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SAN BERNARDINO COUNTY

project information

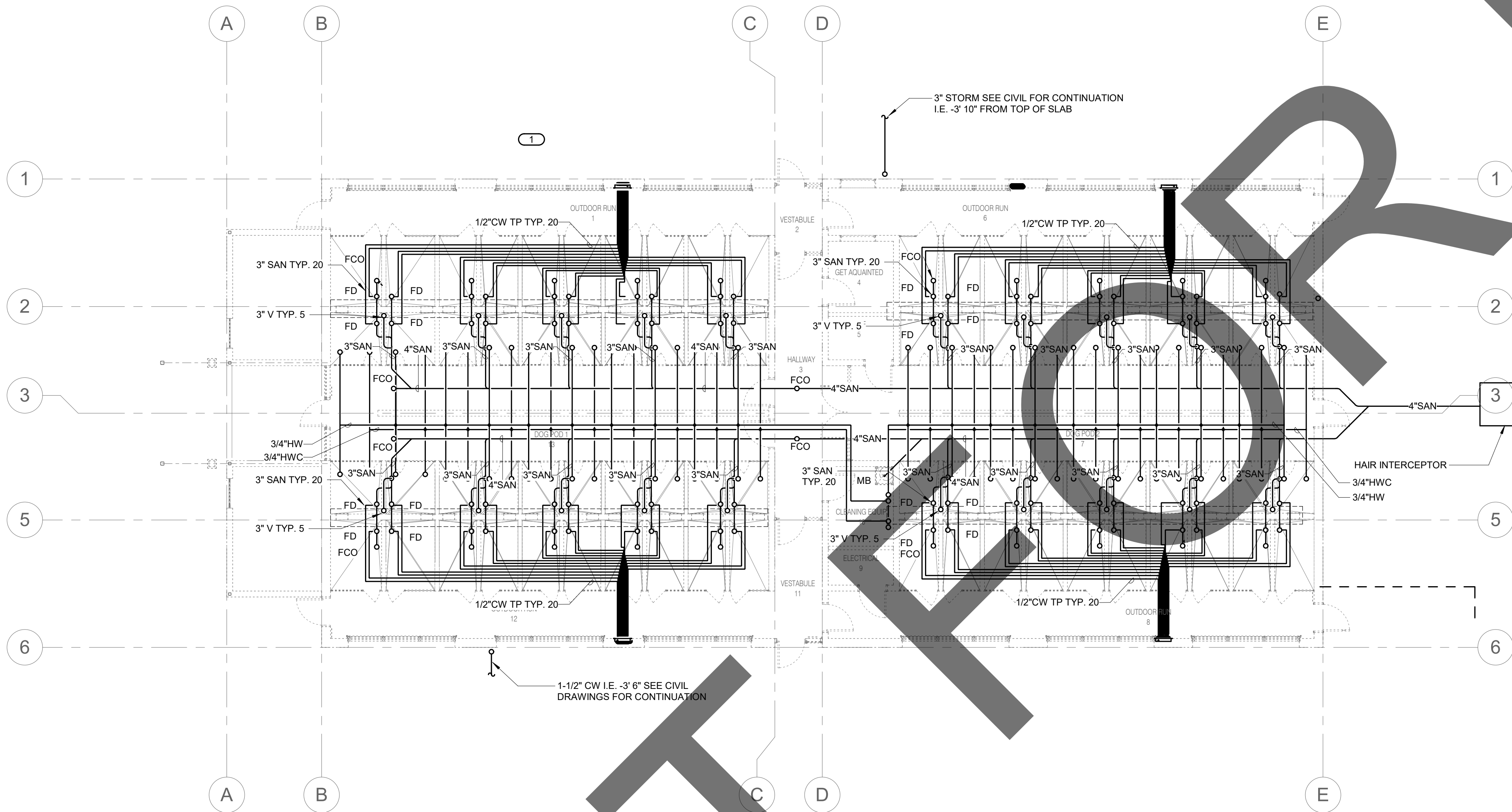
Project Number:	1227
Drawn By:	JH
Checked By:	PS
Issue Date:	05/17/24

sheet name

CAT & OTHER  
ANIMALS BUILDING  
PLUMBING ROOF  
PLAN

sheet number

PD-103



KEY NOTES

1. ALL ADOPTION BUILDINGS AND STRAY DOG BUILDINGS HAVE TYPICAL PLUMBING LAYOUTS TO ADOPTION DOG BUILDING 1.



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initials	date	phase

revisions/addenda

#	Date	Comment
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project information

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Drawn By: JH  
Checked By: PS  
Issue Date: 05/17/24

sheet name

ADOPTION DOG  
BUILDING 1  
PLUMBING  
UNDERFLOOR PLAN

sheet number

PE-101

Sheet Of Sheets

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ADOPTION DOG BUILDING 1 PLUMBING UNDERFLOOR PLAN

1/8" = 1'-0"