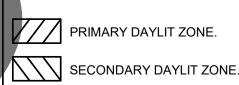
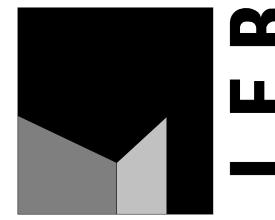
## KEYNOTES: #

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

#### **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 ACCESSIBILITYCODE. 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.
- 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.
- F. ALL LIGHT FIXTURE SHALL BE LOCATED AS +9'-0" AFF, OTHEWISES WILL BE NOTED.G. ALL WALL MOUNTED EXIT LIGHT SHALL BE MOUNTED AT +8' AFF.

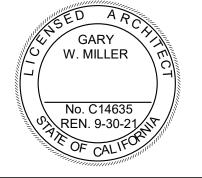




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initials	date	phase

## revisions/addenda

# Date Comment

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

#### project information

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

#### sheet name

CAT & OTHER ANIMALS BUILDING LIGHTING FLOOR PLAN

sheet number

PRELIMINARY

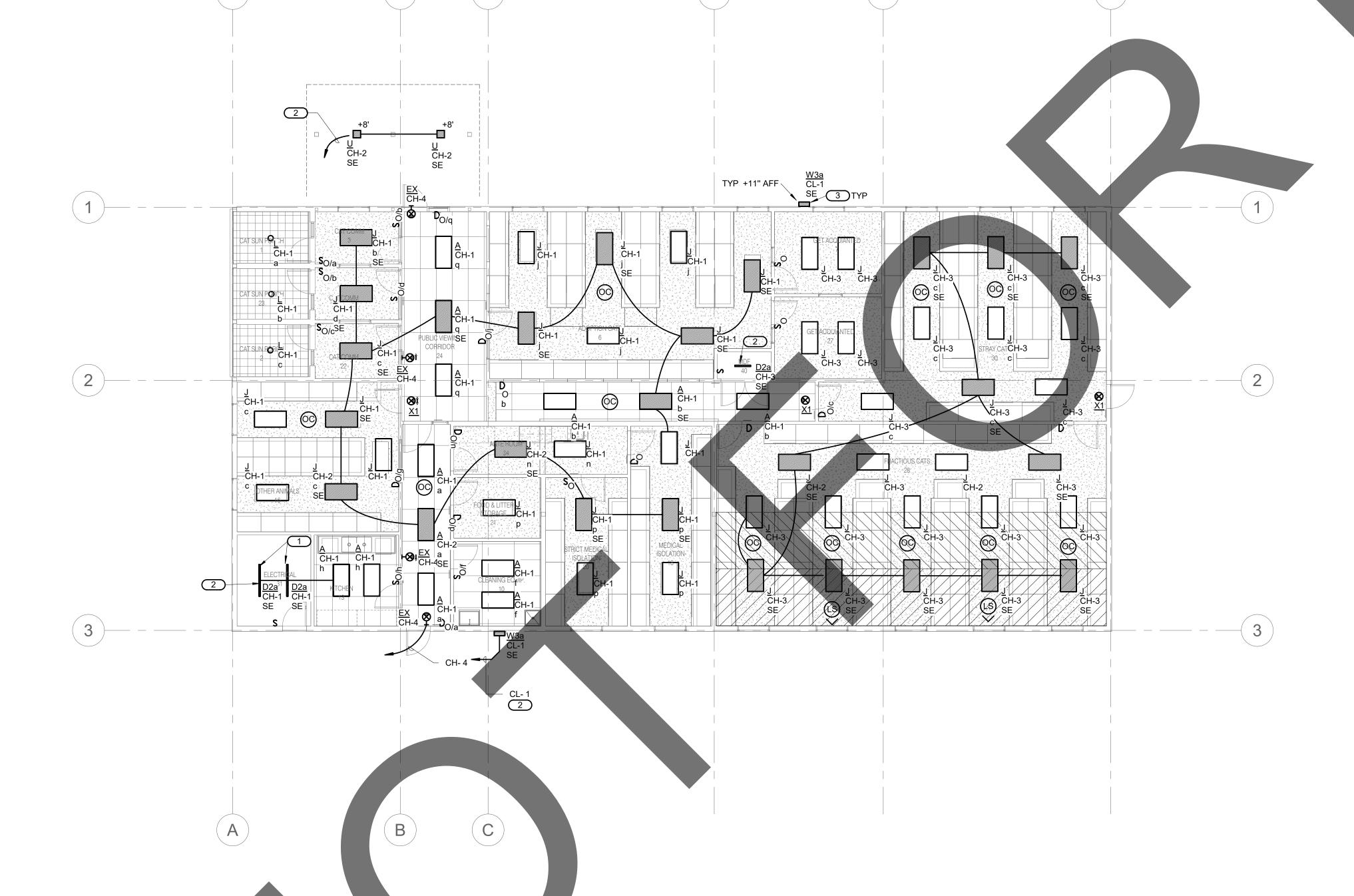
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ED-101

Sheet Of Shee



CAT & OTHER ANIMALS BUILDING LIGHTING FLOOR PLAN

1/8" = 1'-0"

- 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.
- REFER TO ES-100 FOR HVAC UNITS SOURCE CIRCUIT NUMBERWIRE 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: #

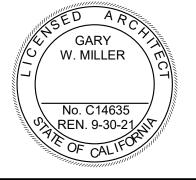
- 1. DASHED LINE CONDUIT DENOTES BELOW THE FLOOR.
- 2. PROVIDE 120V SPLITWIRED QUAD WITH ONE CONTROLLED AND ONE CONTROLLED RECEPTACLE



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# Date Comment

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

CAT & OTHER ANIMALS BUILDING POWER FLOOR PLAN

sheet number

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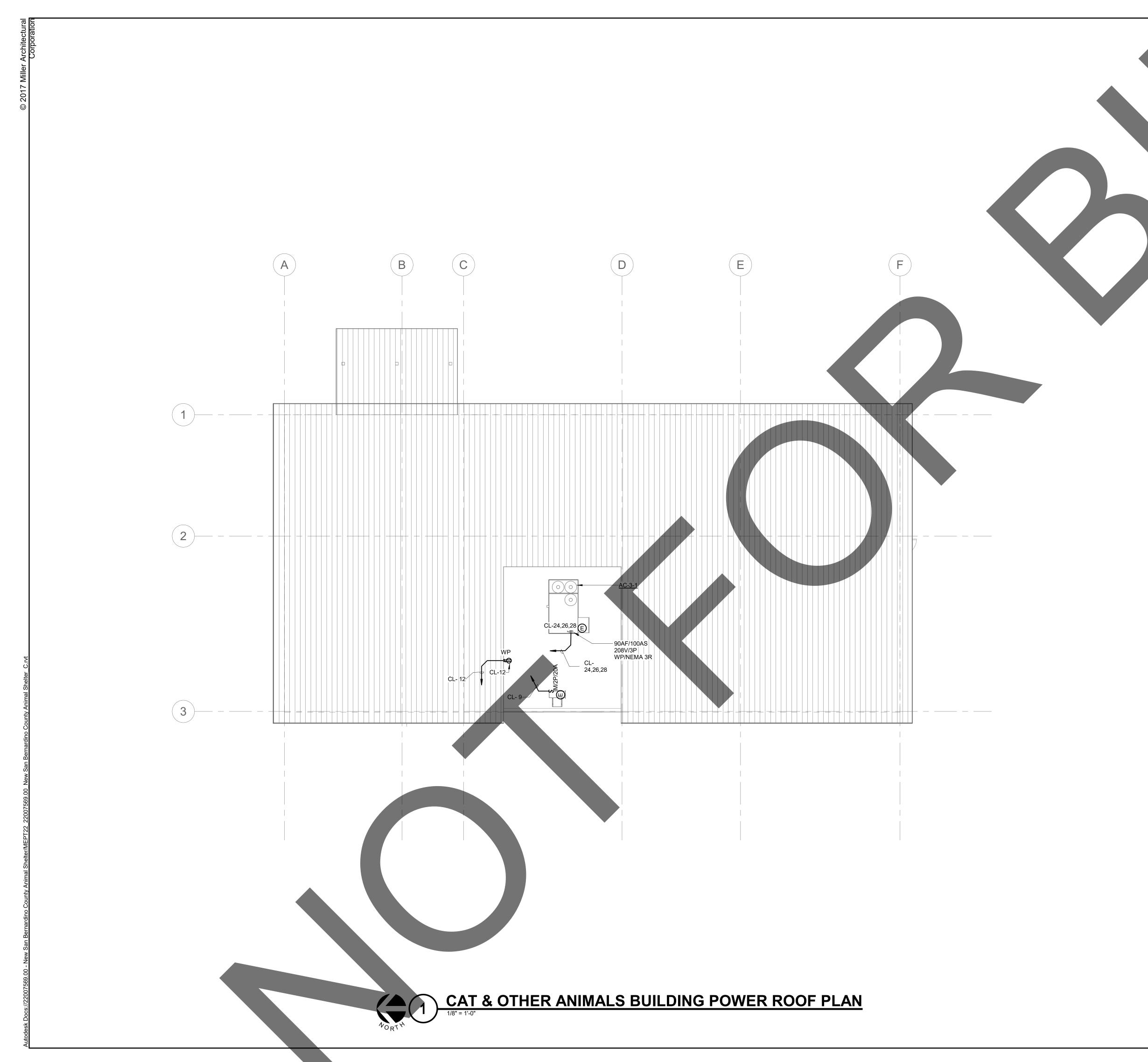
REF. SCALE IN INCHES PROJECT #22007569.00

ED-201

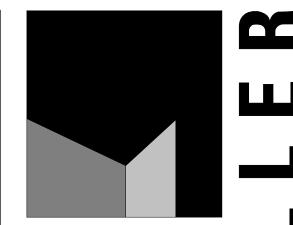
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CAT & OTHER ANIMALS BUILDING POWER FLOOR PLAN

1/8" = 1'-0"



- 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
- 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

ANIMAL CARE CENTER
8313 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

CAT & OTHER ANIMALS BUILDING POWER ROOF PLAN

sheet number

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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. YPICAL TYPE D1 FIXTURE SHALL BE MOUNTED AT +10'10" AFF AT THE CEILING.

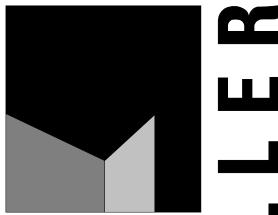
TYPICAL WALPACK WITH MOTION SENSOR FOR 8-15' MOUNTING HEIGHTS WITH PHOTOCELL PREPROGRAMMED FOR DUSK TO DAWN OPERATION MOUNTED AT +11'

PROVIDE AN ASTRONOMICAL TIME CLOCK FOR SHUT OFF CONTROLL.

LIGHTING SWITCH IN WET ENVIRONMENT SHALL BE WET RATED TYPE.

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# Date Comment

project information

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

sheet name

ADOPTION DOG **BUILDING 1 LIGHTING FLOOR PLAN** 

PRELIMINARY **NOT FOR** sheet number CONSTRUCTION

EE-101

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

3. 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
- REFER TO T-203 & T-401 FOR RACK RECEPTACLE ELEVATION AND LOCATION FOR
- 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

project information

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

sheet name

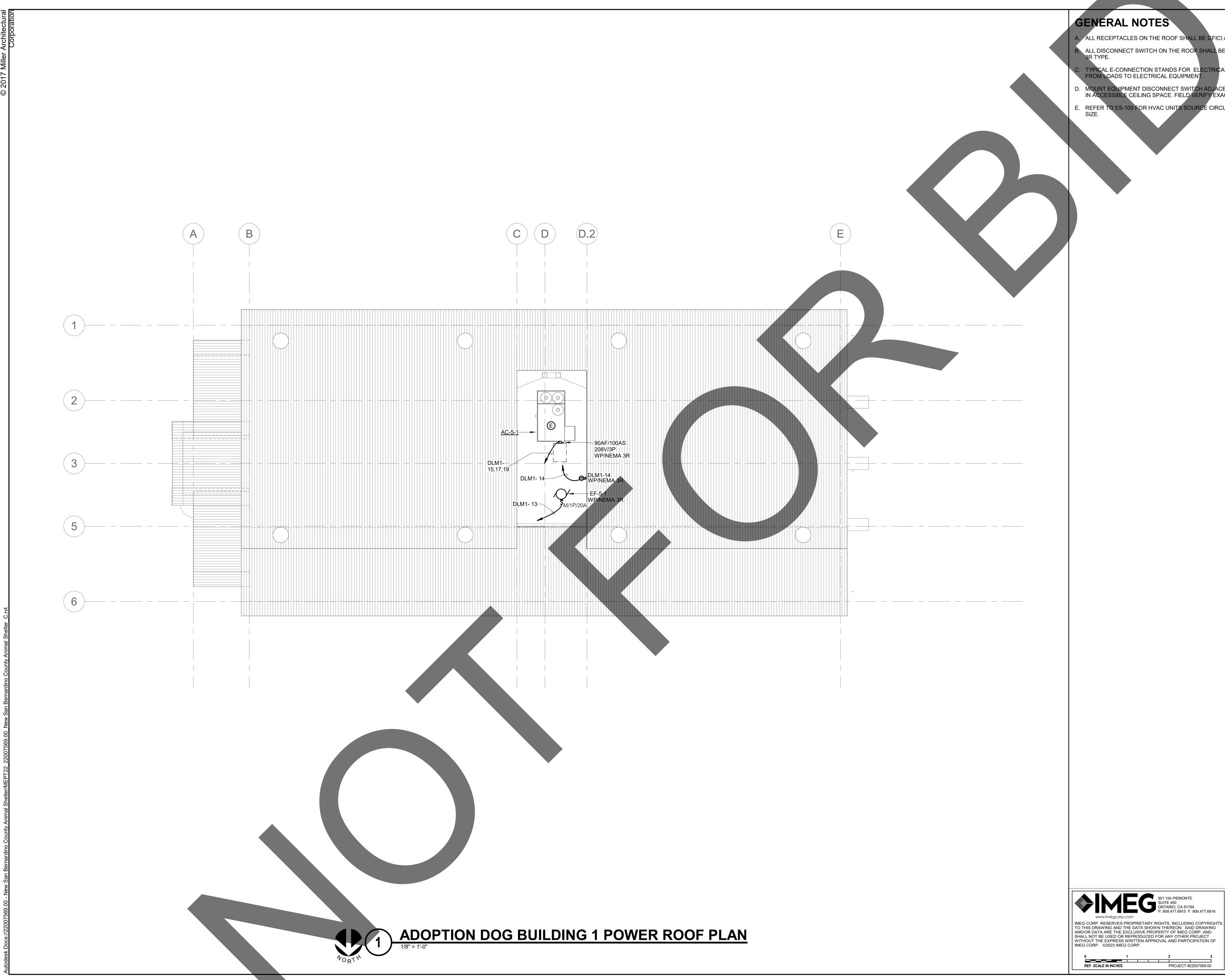
ADOPTION DOG **BUILDING 1 POWER** FLOOR PLAN

sheet number

**NOT FOR** 

EE-201

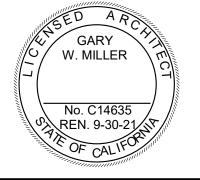
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- . ALL RECEPTACLES ON THE ROOF SHALL BE GFICI AND WEATHER PROOF.
- ALL DISCONNECT SWITCH ON THE ROOF SHALL BE WEATHER PROOF RATED MEMA
- TYPICAL E-CONNECTION STANDS FOR ELECTRICAL POWER CONNECT POINT FROM LOADS TO ELECTRICAL EQUIPMENT.
- D. MOUNT 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



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# Date Comment

## project information

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

#### sheet name

**ADOPTION DOG BUILDING 1 POWER ROOF PLAN** 

sheet number

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CONSTRUCTION

EE-202

**GENERAL NOTES:** PRIMARY DAYLIT ZONE.

KEYNOTES: #

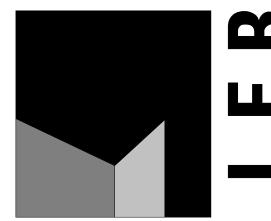
VALL-MOUNTED LIGHTING FIXTURE IS LOCATED IN THE ELEVATOR ELEVATION PIT. WALL MOUNTED SWITCH LOCATED IN THE ELEVATOR PIT.

VALL MOUNTED 0-6 HOURS TIMER ON WEATHER ROOF CAST ALUMINUM COVER AT

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 LIGHT FIXTURE MOUNT AT 10' AF

TYPICAL WALPACK WITH MOTION SENSOR FOR 8-15' MOUNTING HEIGHTS WITH PHOTOCELL PREPROGRAMMED FOR DUSK TO DAWN OPERATION MOUNTED AT +11'



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# Date Comment

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sheet name

ADOPTION DOG **BUILDING 2 LIGHTING FLOOR PLAN** 

sheet number

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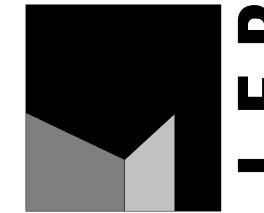
**NOT FOR** 

CONSTRUCTION

EF-101

- 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.
  - D. 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
  - REFER TO T-203 & T-401 FOR RACK RECEPTACLE ELEVATION AND LOCATION FOR
  - 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 information

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

#### sheet name

ADOPTION DOG **BUILDING 2 POWER** FLOOR PLAN

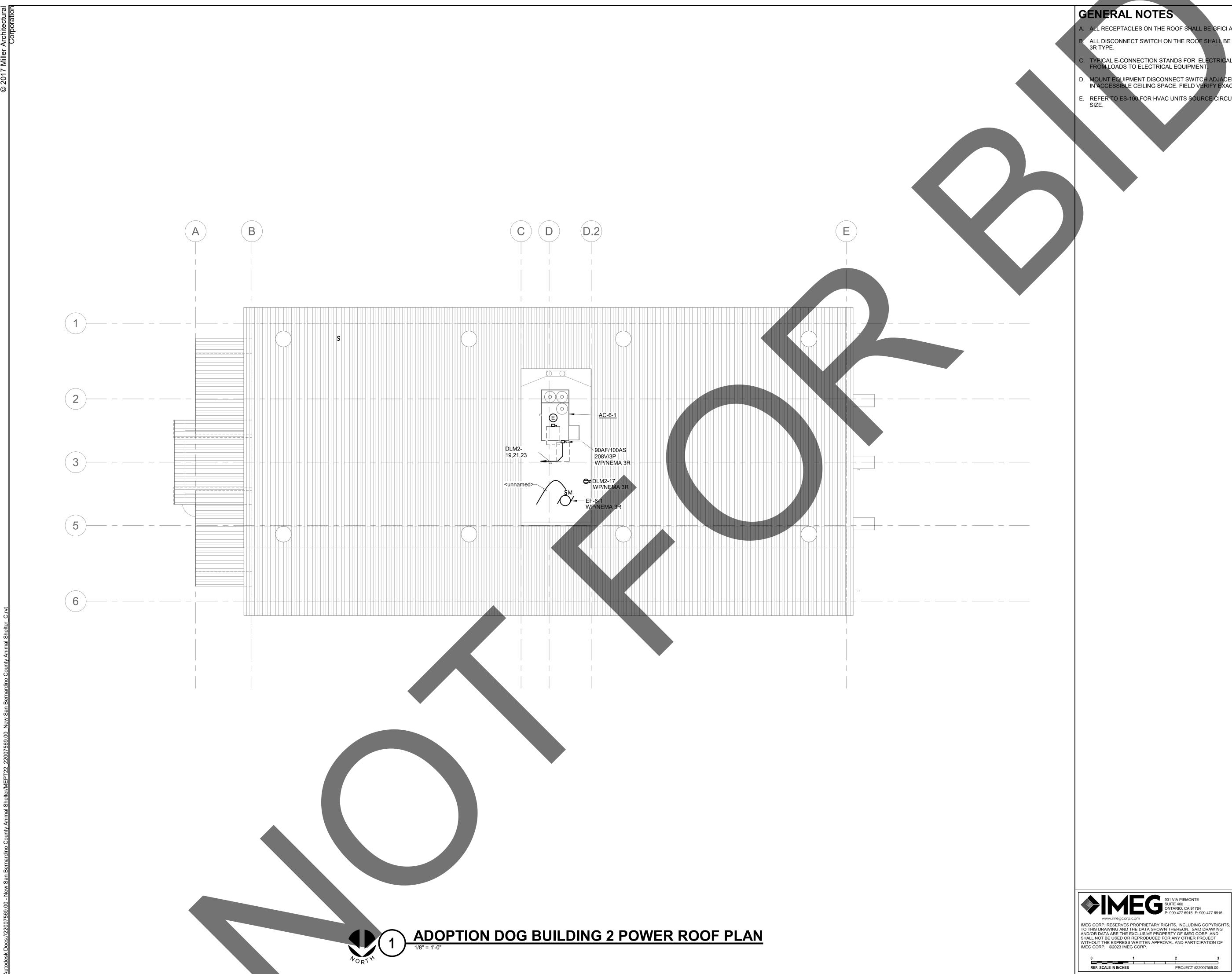
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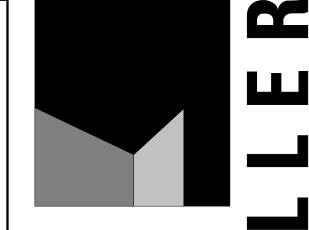
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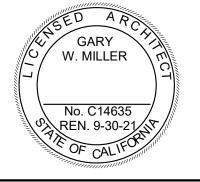


- A. ALL RECEPTACLES ON THE ROOF SHALL BE GFICI AND WEATHER PROOF.
  - ALL DISCONNECT SWITCH ON THE ROOF SHALL BE WEATHER PROOF RATED MEMA 3R TYPE.
  - C. TYPICAL E-CONNECTION STANDS FOR ELECTRICAL POWER CONNECT POINT FROM LOADS TO ELECTRICAL EQUIPMENT.
- MOUNT EQUIPMENT DISCONNECT SWITCH ADJACENT TO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





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

#### sheet name

**ADOPTION DOG BUILDING 2 POWER ROOF PLAN** 

sheet number

PRELIMINARY

**NOT FOR** 

CONSTRUCTION

EF-202

KEYNOTES: #

**GENERAL NOTES:** 

VALL MOUNTED 0-6 HOURS TIMER ON WEATHER ROOF CAST ALUMINUM COVER AT

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.

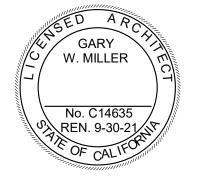
TYPICAL LIGHT FIXTURE MOUNT AT 10' AFF

TYPICAL WALPACK WITH MOTION SENSOR FOR 8-15' MOUNTING HEIGHTS WITH PHOTOCELL PREPROGRAMMED FOR DUSK TO DAWN OPERATION MOUNTED AT +11'

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## project information

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

#### sheet name

ADOPTION DOG **BUILDING 3 LIGHTING FLOOR PLAN** 

sheet number

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**NOT FOR** 

CONSTRUCTION

EG-101

- ALL RECEPTACLES ON COMMON WALLS SHALL BE MOUNTED AT 18" AFF
  - 3. 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.
  - D. 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
- REFER TO T-203 & T-401 FOR RACK RECEPTACLE ELEVATION AND LOCATION FOR
- 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 information

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

#### sheet name

ADOPTION DOG **BUILDING 3 POWER** FLOOR PLAN

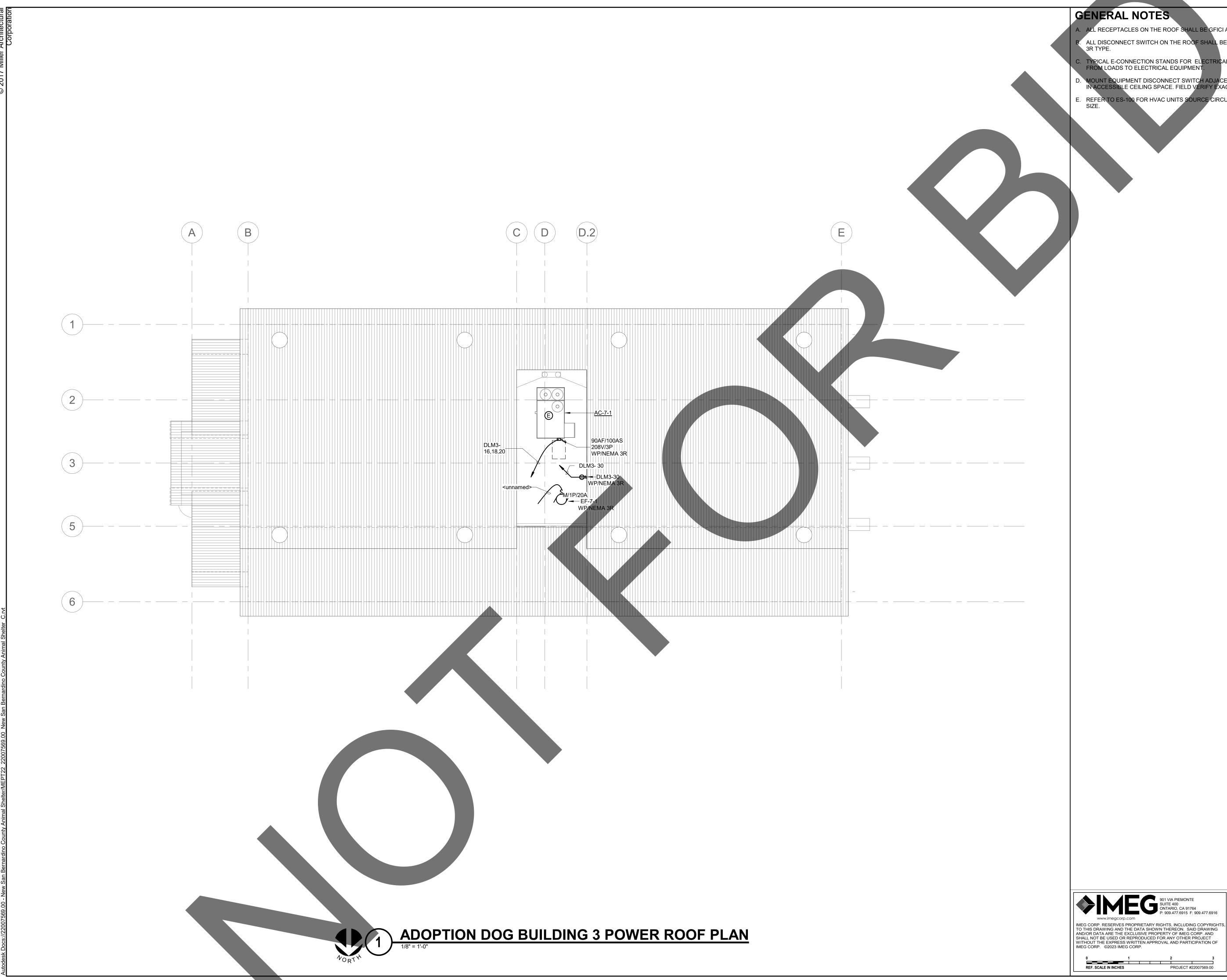
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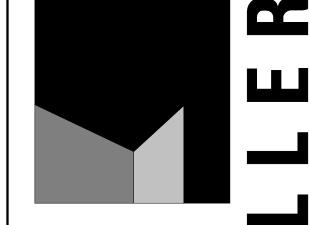
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CONSTRUCTION

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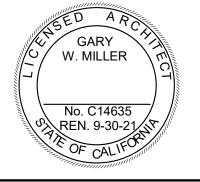


- A. ALL RECEPTACLES ON THE ROOF SHALL BE GFICI AND WEATHER PROOF. ALL DISCONNECT SWITCH ON THE ROOF SHALL BE WEATHER PROOF RATED MEMA
- C. TYPICAL E-CONNECTION STANDS FOR ELECTRICAL POWER CONNECT POINT FROM LOADS TO ELECTRICAL EQUIPMENT.
- MOUNT EQUIPMENT DISCONNECT SWITCH ADJACENT TO MECHANICAL EQUIPMENT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





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#### sheet name

ADOPTION DOG **BUILDING 3 POWER ROOF PLAN** 

sheet number

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**NOT FOR** 

CONSTRUCTION

EG-202

KEYNOTES: #

GENERAL NOTES:

VALL-MOUNTED LIGHTING FIXTURE IS LOCATED IN THE ELEVATOR ELEVATION PIT. WALL MOUNTED SWITCH LOCATED IN THE ELEVATOR PIT.

WALL MOUNTED 0-6 HOURS TIMER ON WEATHER ROOF CAST ALUMINUM COVER AT

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 LIGHT FIXTURE MOUNT AT 10' AFF

TYPICAL WALPACK WITH MOTION SENSOR FOR 8-15' MOUNTING HEIGHTS WITH PHOTOCELL PREPROGRAMMED FOR DUSK TO DAWN OPERATION MOUNTED AT +11'

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

#### sheet name

STRAY DOG **BUILDING LIGHTING FLOOR PLAN** 

sheet number

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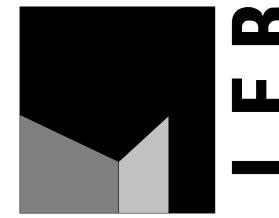
**NOT FOR** 

CONSTRUCTION

EH-101

- 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.
- D. 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
- REFER TO T-203 & T-401 FOR RACK RECEPTACLE ELEVATION AND LOCATION FOR
- 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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initials	date	phase

revisions/addenda # Date Comment

## project information

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

#### sheet name

STRAY DOG **BUILDING POWER** FLOOR PLAN

sheet number

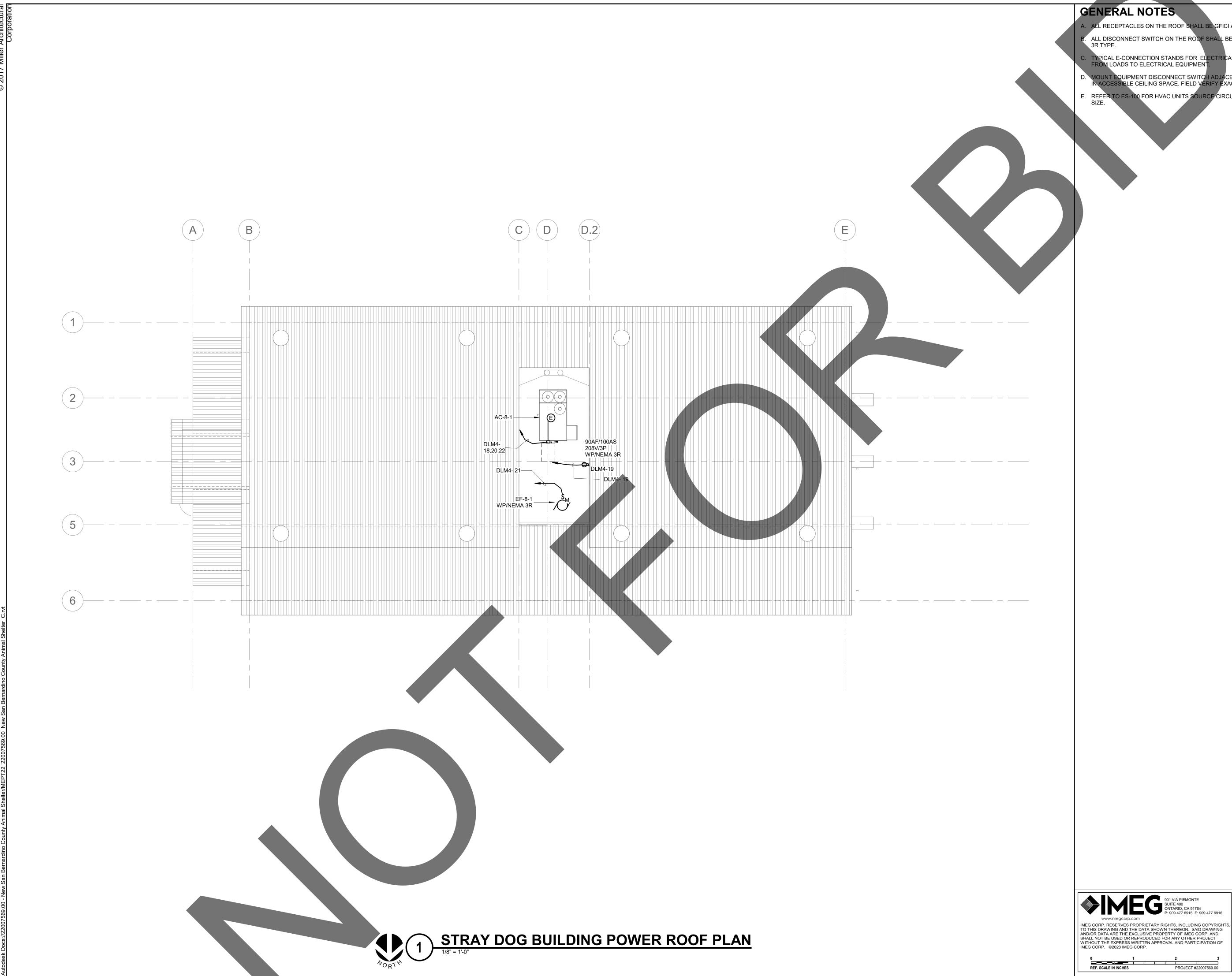
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CONSTRUCTION

EH-201

Sheet

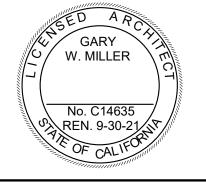


- A. ALL RECEPTACLES ON THE ROOF SHALL BE GFICI AND WEATHER PROOF.
- ALL DISCONNECT SWITCH ON THE ROOF SHALL BE WEATHER PROOF RATED MEMA
- C. TYPICAL E-CONNECTION STANDS FOR ELECTRICAL POWER CONNECT POINT FROM LOADS TO ELECTRICAL EQUIPMENT.
- MOUNT EQUIPMENT DISCONNECT SWITCH ADJACENT TO MECHANICAL EQUIPMENT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





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# Date Comment

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## project information

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

#### sheet name

STRAY DOG BUILDING POWER **ROOF PLAN** 

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EH-202

#### KEYNÓTES: #

**GENERAL NOTES:** 

ALL MOUNTED 0-6 HOURS TIMER ON WEATHER ROOF CAST ALUMINUM COVER AT

YPICAL TYPE D2 FIXTURE SHALL BE MOUNTED AT +10'10" AFF, TOTAL SUSPENSION ABLE 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 LIGHT FIXTURE MOUNT AT 10' AFF.
- TYPICAL WALPACK WITH MOTION SENSOR FOR 8-15' MOUNTING HEIGHTS WITH PHOTOCELL PREPROGRAMMED FOR DUSK TO DAWN OPERATION MOUNTED AT +11'

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# Date Comment

## project information

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

#### sheet name

ADOPTION DOG **BUILDING 4 LIGHTING** FLOOR PLAN

sheet number

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CONSTRUCTION

EH.1-101

- 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).
- 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.

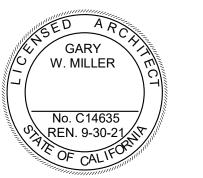
KEYNOTES: #



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

sheet name

ADOPTION DOG **BUILDING 4 POWER** FLOOR PLAN

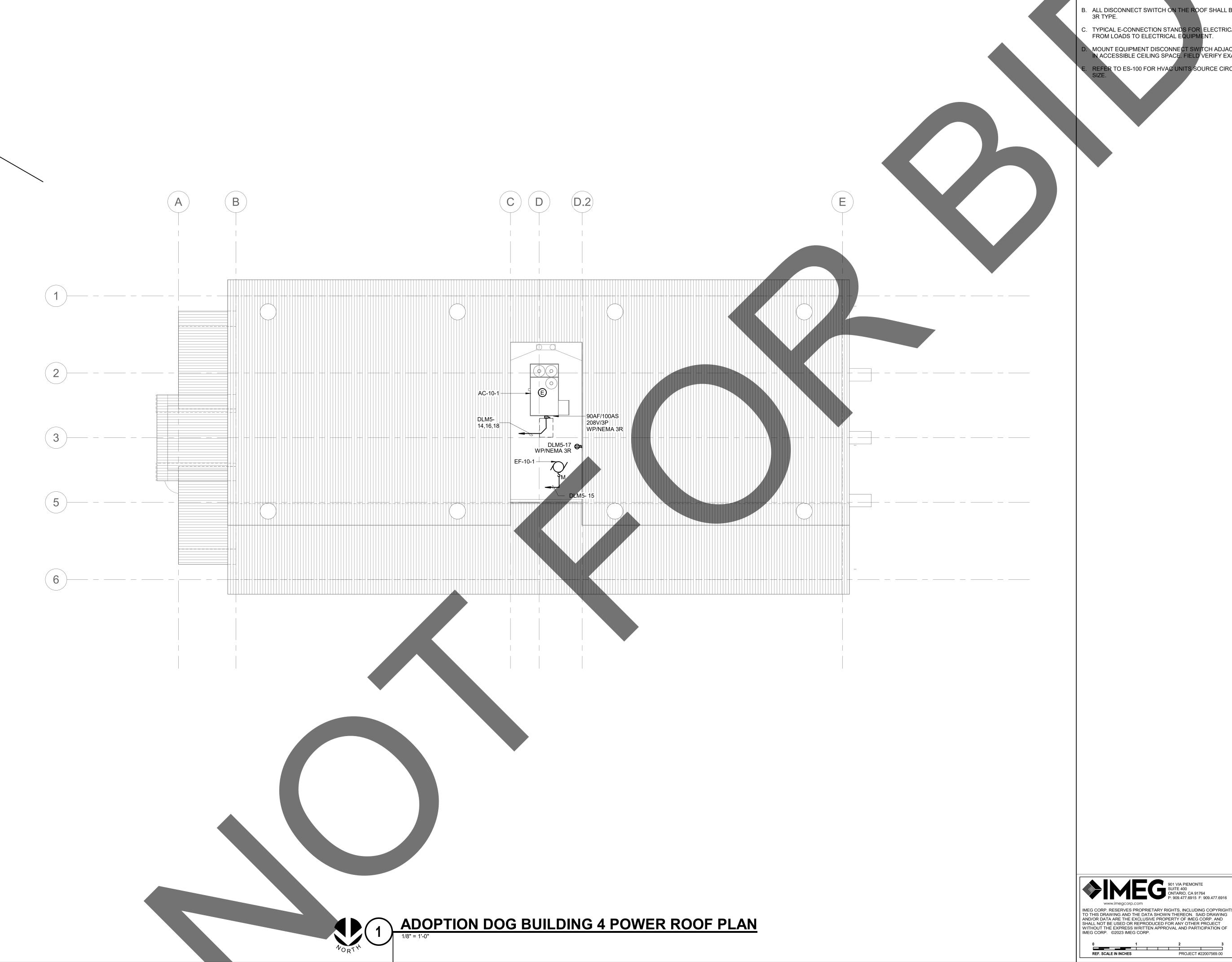
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PRELIMINARY

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CONSTRUCTION

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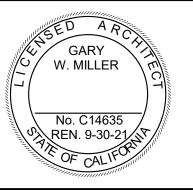


- A. ALL RECEPTACLES ON THE ROOF SHALL BE GFICI AND WEATHER PROOF.
- B. ALL DISCONNECT SWITCH ON THE ROOF SHALL BE WEATHER PROOF RATED MEMA 3R TYPE.
- C. TYPICAL E-CONNECTION STANDS FOR ELECTRICAL POWER CONNECT POINT FROM LOADS TO ELECTRICAL EQUIPMENT.
- D. MOUNT EQUIPMENT DISCONNECT SWITCH ADJACENT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

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ADOPTION DOG **BUILDING 4 POWER** 

**ROOF PLAN** 

05/17/2

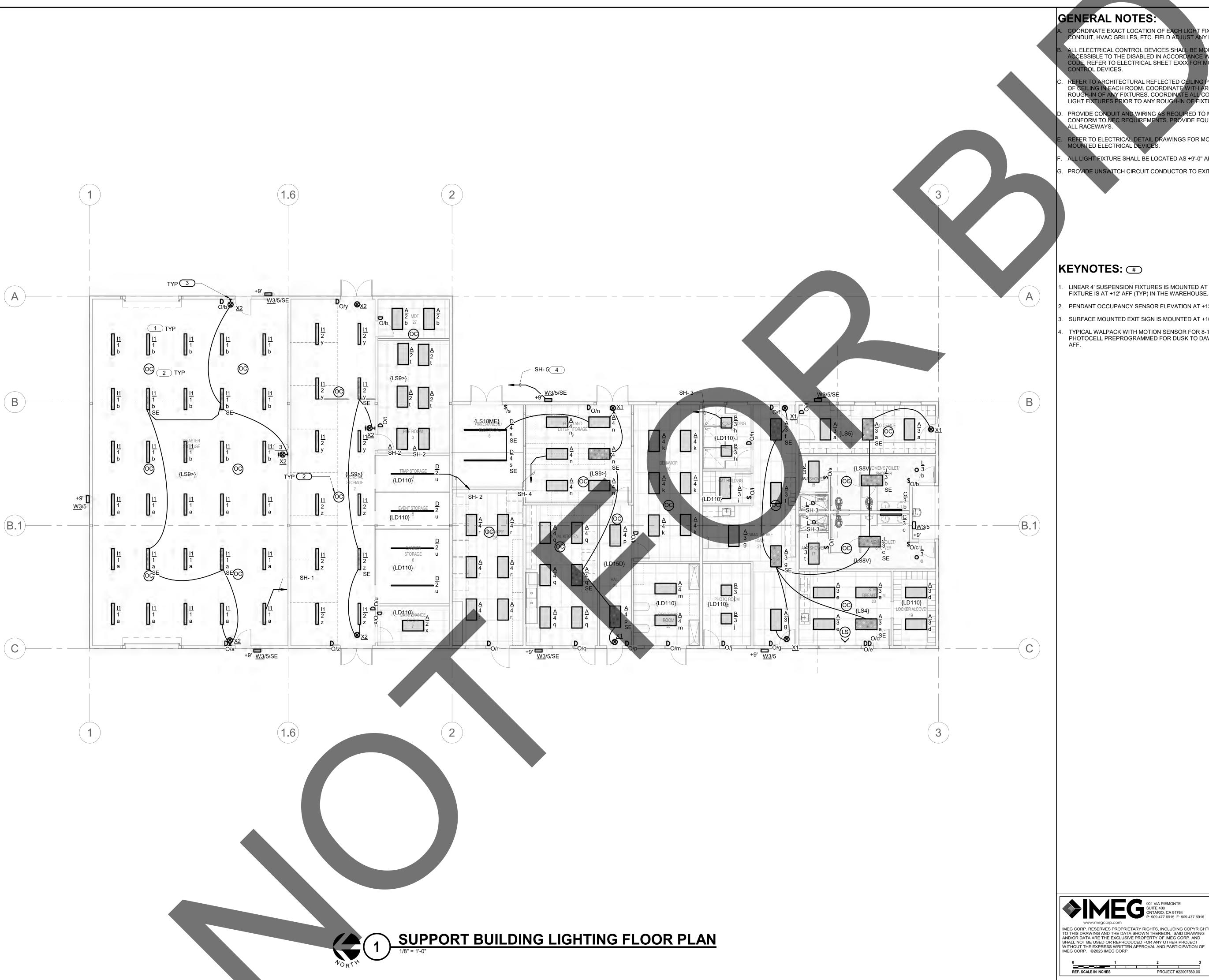
sheet number

EH.1-202

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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

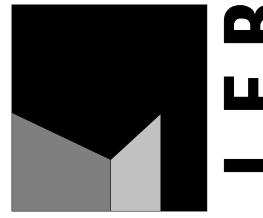
REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT TYPE AND HEIGHT OF CEILING IN EACH ROOM. COORDINATE WITH ARCHITECT/ENGINEER PRIOR TO ROUGH-IN OF ANY FIXTURES. COORDINATE ALL CONTROL JOINTS LOCATIONS WITH LIGHT FIXTURES PRIOR TO ANY ROUGH-IN OF FIXTURES

PROVIDE CONDUIT AND WIRING AS REQUIRED TO MEET CIRCUITING SHOWN TO CONFORM TO NEC REQUIREMENTS. PROVIDE EQUIPMENT GROUND CONDUCTOR IN

REFER TO ELECTRICAL DETAIL DRAWINGS FOR MOUNTING HEIGHTS OF ALL WALL

ALL LIGHT FIXTURE SHALL BE LOCATED AS +9'-0" AFF, OTHEWISES WILL BE NOTED. PROVIDE UNSWITCH CIRCUIT CONDUCTOR TO EXIT SIGN & EMERGENCY BATTERY UNIT

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



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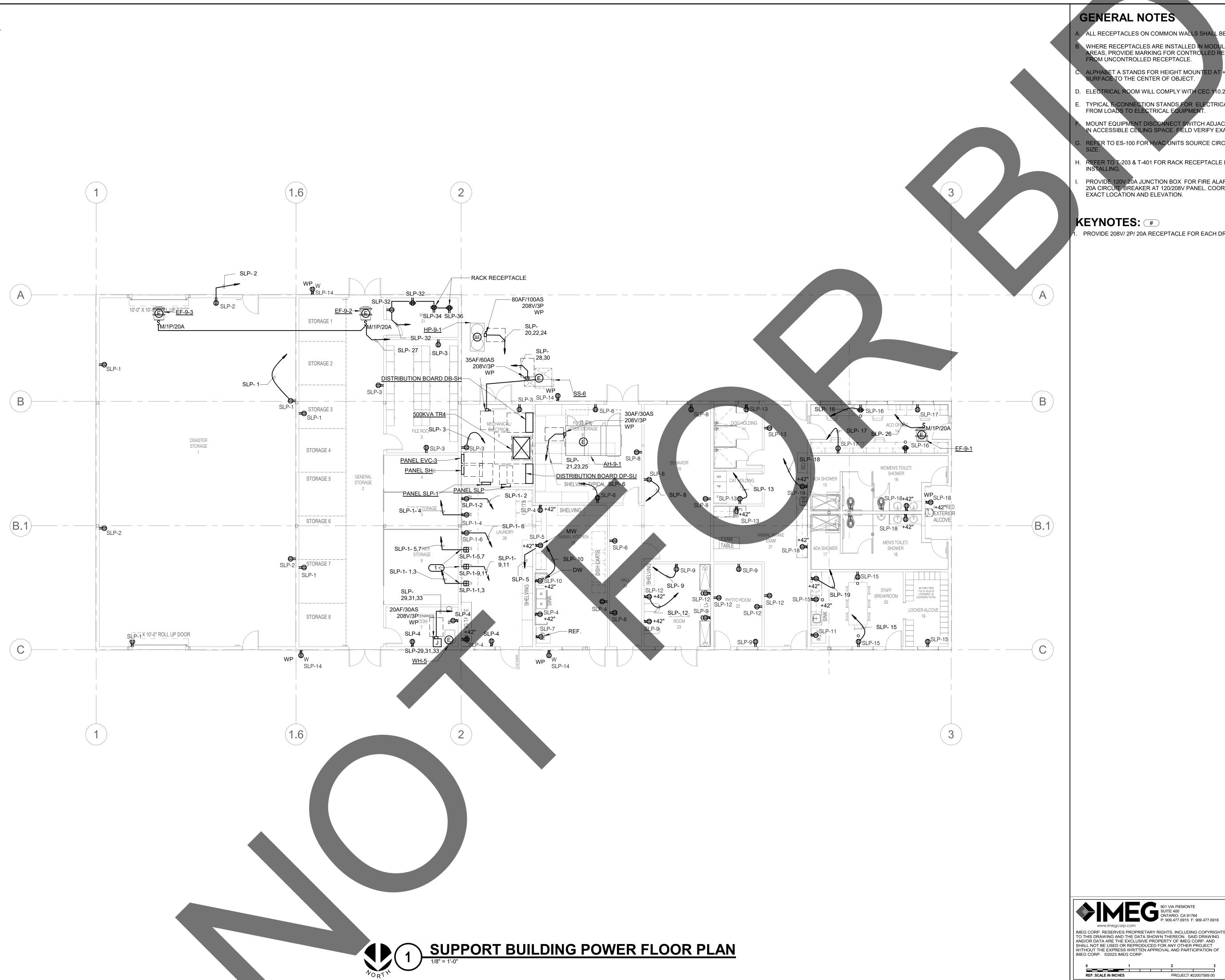
sheet name

SUPPORT BUILDING LIGHTING FLOOR PLAN

sheet number

EI-101

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- 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.
- 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 1/10.26(C)(2) AND CEC 1/10.26(C)(3).
- TYPICAL E-CONNECTION STANDS FOR ELECTRICAL POWER CONNECT POINT
- 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
- REFER TO T-203 & T-401 FOR RACK RECEPTACLE ELEVATION AND LOCATION FOR
- 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

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



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# Date Comment

## project information

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

#### sheet name

SUPPORT BUILDING POWER FLOOR PLAN

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**NOT FOR** 

EI-201

PRIMARY DAYLIT ZONE.

SECONDARY DAYLIT ZONE.

A. COORDINATE EXACT LOCATION OF EACH LIGHT FIXTURE WITH MECHANICAL PIPING,

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

CONDUIT, HVAC GRILLES, ETC. FIELD ADJUST ANY LIGHT TO AVOID CONFLICT

- C. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT TYPE AND HEIGH 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, OTHEWISES WILL BE NOTED.
- G. PROVIDE UNSWITCH CIRCUIT CONDUCTORTO EXIT SIGN & EME

#### KEYNOTES: #

HREE ZONE CEILING DAYLIGHT LEVEL SENSOR IS MOUNTED AT CEILING.

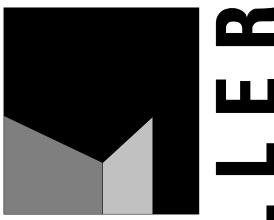
TYPICAL TYPE D2 FIXTURE SHALL BE MOUNTED AT +10'10" AFF, TOTAL SUSPENSION CABLE LENGTH FROM CEILING TO THE FIXTURE SHALL BE ABOUT 7' 0" LONG.

. 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. TYRICAL WALPACK WITH MOTION SENSOR FOR 8-15' MOUNTING HEIGHTS WITH PHOTOCELL PREPROGRAMMED FOR DUSK TO DAWN OPERATION MOUNTED AT +11'

PROVIDE AN ASTRONOMICAL TIME CLOCK FOR SHUT OFF CONTROLL.

LIGHTING SWITCH IN WET ENVIRONMENT SHALL BE WET RATED TYPE.



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# Date Comment

## project information

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

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ADOPTION DOG **BUILDING 5 LIGHTING FLOOR PLAN** 

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EJ-101

Sheet

ADOPTION DOG BUILDING 5 LIGHTING FLOOR PLAN

ADOPTION DOG BUILDING 5 POWER FLOOR PLAN
NO SCALE

## GENERAL NOTES

- A. 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.
  - 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.
- 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.
- 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: #

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



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## revisions/addenda

# Date Comment

_	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

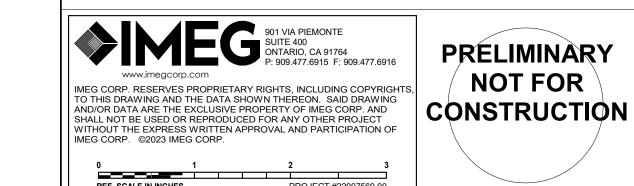
#### sheet name

ADOPTION DOG BUILDING 5 POWER FLOOR PLAN

sheet number

EJ-201

Sheet Of She



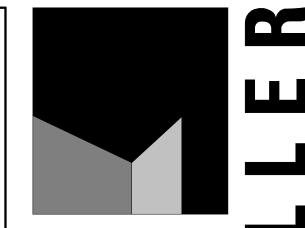
ALL RECEPTACLES ON THE ROOF SHALL BE CFICI AND WEATHER PROOF.

ALL DISCONNECT SWITCH ON THE ROOF SHALL BE WEATHER PROOF RATED MEMA

C. 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.

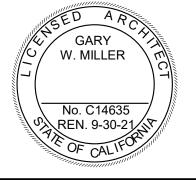
. REFER TO ES-100 FOR HVAC UNITS SOURCE CIRCUIT NUMBERWIRE AND RACEWAY



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# Date Comment

## project information

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

#### sheet name

ADOPTION DOG **BUILDING 5 POWER ROOF PLAN** 

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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.
- G. PROVIDE UNSWITCH CIRCUIT CONDUCTORTO EXIT SIGN & EMERGENCY BATTERY UN

F. ALL LIGHT FIXTURE SHALL BE LOCATED AS +9'-0" AFF, OTHEWISES WILL BE NOTED.

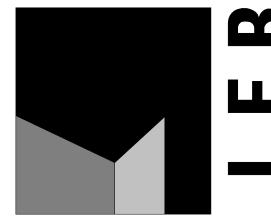
#### KEYNOTES: #

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.

3. 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'
- 6. 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

## project information

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

#### sheet name

ADOPTION DOG **BUILDING 6 LIGHTING FLOOR PLAN** 

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EK-101

Sheet

ADOPTION DOG BUILDING 6 LIGHTING FLOOR PLAN

(D)

ADOPTION DOG BUILDING 6 POWER FLOOR PLAN
NO SCALE

## GENERAL NOTES

- A. ALL RECEPTACLES ON COMMON WALLS SHALL BE MOUNTED AT 18" AFF
  - 3. 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.
  - 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
- 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: #

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



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# Date Comment

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## project information

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

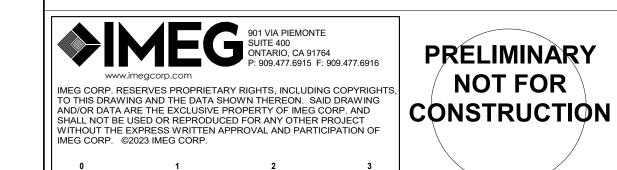
#### sheet name

ADOPTION DOG BUILDING 6 POWER FLOOR PLAN

sheet number

EK-201

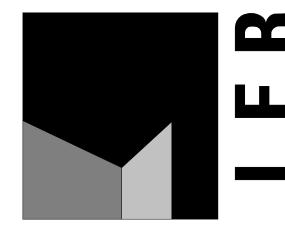
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A. ALL RECEPTACLES ON THE ROOF SHALL BE GFCI AND WEATHER PROOF. ALL DISCONNECT SWITCH ON THE ROOF SHALL BE WEATHER PROOF RATED MEMA

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

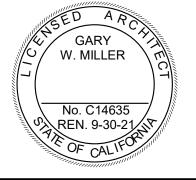
- MOUNT EQUIPMENT DISCONNECT SWITCH ADJACENT TO MECHANICAL EQUIPMENT IN ACCESSIBLE CEILING SPACE. FIELD VERIFY EXACT LOCATION.
- . REFER TO ES-100 FOR HVAC UNITS SOURCE CIRCUIT NUMBER WIRE AND RACEWAY



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# Date Comment

project information

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

sheet name

ADOPTION DOG **BUILDING 6 POWER ROOF PLAN** 

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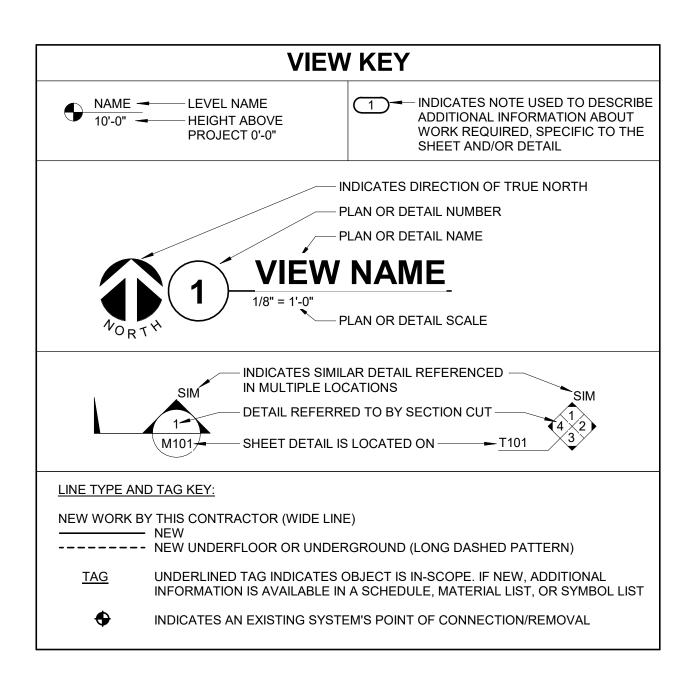
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EK-202

Of Sheet

ADOPTION DOG BUILDING 6 POWER ROOF PLAN



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. P.C.	MECHANICAL CONTRACTOR PLUMBING CONTRACTOR	
S.C.	SECURITY CONTRACTOR	
T.C.	TECHNOLOGY CONTRACTOR	
T.C.C.	TEMPERATURE CONTROLS CONTRACTOR	
V.C.	VENTILATION CONTRACTOR	

PLUMBING SLO	PE REQUIREMENTS:
	BASED ON PLUMBING CODE: CPC-2
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

2022 CALIFORNIA FIRE CODE (CFC)

CALIFORNIA CODES OF REGULATIONS (CRR) TITLE 24, PAI (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 1

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

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 PAI

#### PLUMBING SYMBOL LIST NOT ALL SYMBOLS MAY APPLY SYMBOL: DESCRIPTION: ——CW—— COLD WATER - POTABLE ——D—— DRAIN ——G—— NATURAL GAS —HWC— HOT WATER CIRCULATING - POTABLE —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 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** ROOF DRAIN PROPERTIES SYMBOL SIZE (ROOF SQ. FT.) ——— DIELECTRIC CONNECTION ——∥—— UNION/FLANGE SHUTOFF VALVE NORMALLY OPEN SHUTOFF VALVE NORMALLY CLOSED BALANCING VALVE (NUMBER INDICATES GPM) ──I^ CHECK VALVE SOLENOID VALVE SAFETY/RELIEF VALVE VACUUM BREAKER PRESSURE GAUGE (FURNISHED WITH BALL VALVE) PRESSURE SENSOR (FURNISHED WITH BALL VALVE)

## **MECHANICAL PHASING NOTES:**

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

FER TO ARCHITECTURAL DRAWINGS FOR GENERAL DESCRIPTION OF PHASES. REFER TO RAL 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.

TEMPERATURE SENSOR WITH WELL

THERMOMETER WITH WELL (FILLED TYPE)

FOR CONCENTRIC/ECCENTRIC AND FOT/FOB

PRESSURE REDUCING VALVE (LIQUID/GAS

#.#" IS THE EXPANSION TRAVEL INCHES

NCE SPECIFICATION

THERMOMETER WITH WELL

REDUCER - RE

ALIGNMENT GUIDE

**EXPANSION JOINT** 

AIR ADMITTANCE VALVE

PIPE ANCHOR

**INSTALL ABOVE COUNTER** 

DEVICE AT 44" ABOVE

FINISHED FLOOR.

WITH AFFECTED ADJACENT AREAS. PROVIDE TEMPORARY DUCTWORK, PIPING, SHUTOFF VALVES, ZONE VALVES, ZONE

ALARMS, ETC. AS NEEDED TO MAINTAIN SERVICE TO ALL AREAS DURING ALL PHASES OF

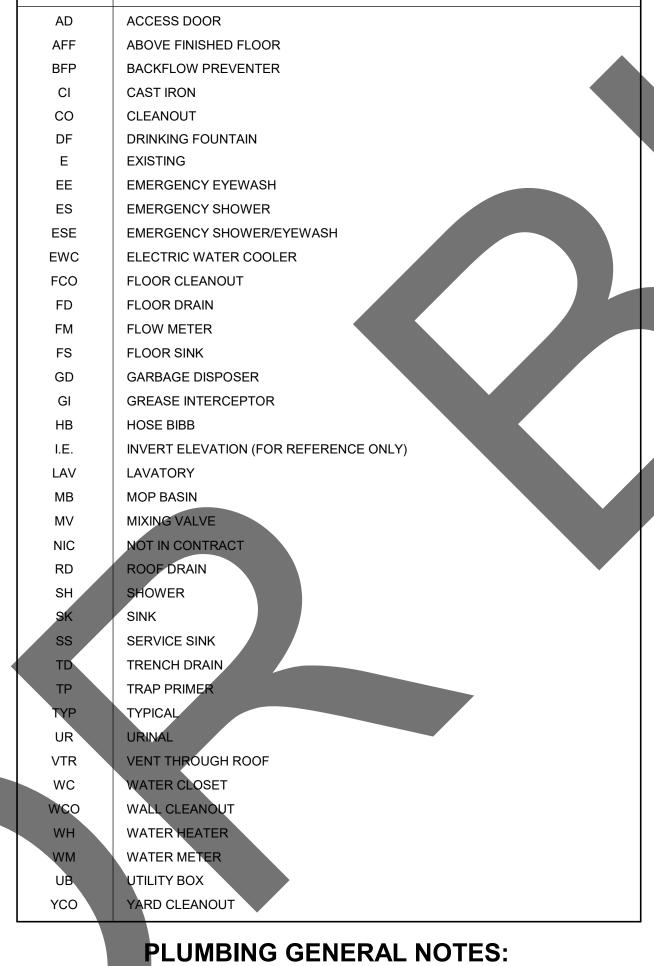
INSTALL TEMPORARY DUCTWORK, PIPING, SHUTOFF VALVES, ETC. AS NECESSARY TO KEEP ALL OCCUPIED SPACES OPERATIONAL THROUGHOUT ALL PHASES OF THE PROJECT PHASE DEMOLITION WORK TO MINIMIZE DOWNTIME.

INSTALL ABOVE COUNTER

ADA GUIDELINES - FRONT ACCESS

DEVICE AT 40" ABOVE

FINISHED FLOOR.



PLUMBING ABBREVIATION KEY

**ABBR**:

**DESCRIPTION:** 

- 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 BLE FOR A COMPLETE DESCRIPTION OF MATERIAL ON THESE DRAWINGS AND IN FIFICATIONS BEFORE ORDERING. THE DESCRIPTION OF THE MATERIAL TAKES RECEDENCE OVER THE CATALOG NUMBER. THE FIRST MANUFACTURER LISTED IS THE
- 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.

10" MAX.

ADA GUIDELINES - SIDE ACCESS

**INSTALL DEVICE AT 44"** 

ABOVE FINISHED FLOOR.

10"-24" MAX.

**INSTALL DEVICE AT 42"** 

ABOVE FINISHED FLOOR.

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 GENERAL NOTES:** TES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED ROTECTION, PLUMBING, MEDICAL GAS, VENTILATION, PIPING AND TEMPERATURE

SS SHOWING LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, ETC. ARE

MATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS. NGS SHOW THE 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 CLOSELY AS ACTUAL BUILDING

CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT.
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

FY NON-INTERFERENCE WITH OTHER WORK. DO NOT FABRICATE PRIOR TO FICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING TH FABRICATION OR EQUIPMENT ORDERS.

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

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 ANGES REQUIRED FOR EQUIPMENT PROPOSED THAT DIFFERS FROM THE BASIS OF

R TO ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY VISUAL, AND OTHER MECHANICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING TED DEVICES. OTHER THAN SPRINKLERS.

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

N 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 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. 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.

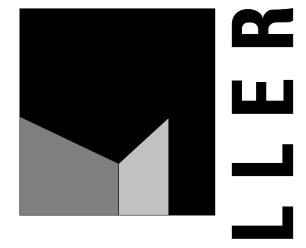
17. PROVIDE CONCRETE EQUIPMENT PAD FOR ALL FLOOR MOUNTED EQUIPMENT. PAD SHALL EXTEND MINIMUM 6" BEYOND ALL SIDES OF EQUIPMENT.

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.

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P-301	PLUMBING DETAILS
P-302	PLUMBING DETAILS
GRAND TOTAL	.: 41

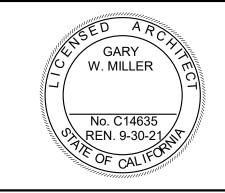
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architecture interiors planning



1177 Idaho Street, Suite 200 Redlands, CA 92374 Phone: 909-335-7400 Fax: 909-335-7299 info@miller-aip.com



owner	appro	oval
initials	date	phase

#### revisions/addenda

# Date Comment

## project information

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

PS

sheet name

PLUMBING COVERSHEET

sheet number

No. M34080

Exp. June 30 2026

P-100

Sheet Of Sheets

ADA STANDARDS FOR ACCESSIBLE DESIGN

**INSTALL DEVICE AT 18"** 

ABOVE FINISHED FLOOR

TAG	IMBING MATERIAL LIST	MANUFACTURER AN
NAME	DESCRIPTION TRAP PRIMER - ELECTRONIC SOLENOID ACTIVATED, FLUSH MOUNTED CABINET,	MODEL PRECISION PLUMBING
	FULLY ENCLOSED WITH KEYED ACCESS DOOR, MANUAL OVERRIDE, 3/4" FNPT INLET AND 1/2" COMPRESSION OUTLET, BUILT-IN VACUUM BREAKER, CAPABLE OF SERVING 4 TO 30 TRAPS.  ELECTRICAL REQUIREMENTS - HARD WIRE CONNECTION (120V/1PH)	PRODUCTS (PT)
CP-1 ET-1	CIRCULATION PUMP.  EXPANSION TANK - PRESSUREIZED FIXED BLADDER TYPE. CARBON STEEL OUTER	ZURN XT-8
ET-2	SHELL, POLYPROPYLENE LINER, BUTYL RUBBER DIAPHRAGM. 2.1 GALLONS TANK VOLUME, 5.5 LBS WEIGHT. 3/4" MALE CONNECTION, LEAD FREE CONSTURCTION.  EXPANSION TANK - PRESSUREIZED FIXED BLADDER TYPE. CARBON STEEL OUTER	ZURN XT-8
EWC-1	SHELL, POLYPROPYLENE LINER, BUTYL RUBBER DIAPHRAGM. 2.1 GALLONS TANK VOLUME, 5.5 LBS WEIGHT. 3/4" MALE CONNECTION, LEAD FREE CONSTURCTION.  ELECTRIC WATER COOLER - WALL HUNG, BI-LEVEL UNITS, ADA COMPLIANT WITH MATCHING STAINLESS STEEL APRON INSTALLED UNDER UPPER UNIT 18 GAUGE STAINLESS STEEL CABINETS AND NON-SPLASH BASINS WITH STAINLESS STEEL FINISH, STREAM PROJECTORS WITH PROTECTIVE HOODS, PUSH BAR OR LEVER OPERATING CONTROLS ON FRONT AND BOTH SIDES, BUILT-IN FLOW REGULATOR, PLASTIC P-TRAP ASSEMBLY, ADJUSTABLE THERMOSTAT, MOUNTING ACCESSORIES, TANK DRAIN AND ANGLE STOPS, HERMETIC COMPRESSOR TO OPERATE ON HFC-134a REFRIGERANT. COMPLIANT TO LATEST ANSI A117.1 AND ADA STANDARDS. UNIT	ELECTRIC WATER COOLER -ELKAY (EZSTL8C), OASIS (PG8ACSL), MURDOCK (A112)
	SHALL COMPLY WITH FEDERAL ACT S.3874.  UNIT SHALL PROVIDE 8.0 GPH OF WATER FROM 80°F TO 50°F AT 90°F AMBIENT. WATER SYSTEM SHALL BE OF LEAD FREE CONSTRUCTION. TANK SHALL BE TESTED TO 125 PSIG.	₹
	ORIFICE SHALL BE AT 36" (MAXIMUM) ABOVE FINISHED FLOOR ON LOWER UNIT AND 40" ABOVE FINISHED FLOOR ON UPPER UNIT. BOTTOM OF APRON SHALL BE 27" ABOVE FLOOR ON LOWER UNIT IN COMPLIANCE WITH LATEST ADA STANDARDS.	
	ELECTRICAL REQUIREMENTS - CORD AND PLUG, PLAIN RECEPTACLE MOUNTED WITHIN EWC LOWER ENCLOSURE, GFCI BREAKER.	
EWC-2	ELECTRIC WATER COOLER - WALL HUNG, 18 GAUGE STAINLESS STEEL CABINET AND NON-SPLASH BASIN WITH STAINLESS STEEL FINISH, STREAM PROJECTOR WITH PROTECTIVE HOOD, PUSH BAR OR LEVER OPERATING CONTROLS ON FRONT AND SIDES, BUILT-IN FLOW REGULATOR, PLASTIC P-TRAP ASSEMBLY, ADJUSTABLE THERMOSTAT, MOUNTING ACCESSORIES, TANK DRAIN AND ANGLE STOPS, HERMETIC COMPRESSOR TO OPERATE ON HFC-134a REFRIGERANT. COMPLIANT TO LATEST ANSI A117.1 AND ADA STANDARDS. UNIT SHALL COMPLY WITH FEDERAL ACT S.3874.	COOLER - ELKAY (EZS8), OASIS (PG8AC MURDOCK (A111)
	UNIT SHALL PROVIDE 8.0 GPH OF WATER FROM 80°F TO 50°F AT 90°F AMBIENT. WATER SYSTEM SHALL BE OF LEAD FREE CONSTRUCTION. TANK SHALL BE TESTED TO 125 PSIG.	2
	ORIFICE SHALL BE AT 36" (MAXIMUM) ABOVE FINISHED FLOOR. BOTTOM OF APRON SHALL BE AT 27" ABOVE FINISHED FLOOR IN COMPLIANCE WITH LATEST ADA STANDARDS.	
	ELECTRICAL REQUIREMENTS - CORD AND PLUG, PLAIN RECEPTACLE MOUNTED WITHIN EWC LOWER ENCLOSURE, GFCI BREAKER.	
FCO-1	FLOOR CLEANOUT - ADJUSTABLE, CAST IRON HOUSING, ANCHOR FLANGE, TAPERED THREAD PLUG, ROUND SECURED GALVANIZED TOP	ZURN (Z1400), JOSAM (55000), MIFAB (C1100 SMITH (4000), WADE (6000), WATTS (CO-20
FD-1	FLOOR DRAIN - CAST IRON BODY, NICKEL BRONZE ADJUSTABLE TOP, 5" ROUND , 3" BOTTOM OUTLET, FLASHING COLLAR.  PROVIDE TRAP PRIMER CONNECTION ON P-TRAP WHERE WPECIFIED ON DRAWINGS.	FLOOR DRAIN - ZURN (Z-415), SMITH (2005), WADE (1100), JOSAM (30000), WATTS (FD-100), MIFAB (F110 SUN (FD1000)
HB-1	HOSE BIBB - ROOF HYDRANT. BRONZE BODY, STRAIGHT NOSE WITH DIE CAST IRON HANDLE WHEEL WITH VACUUM BREAKER PROVIDE WITH ASSE 1052 APPROVED, FIELD TESTABLE, DOUBLE CHECK VALVE BACK FLOW PREVENTER WITH 3/4" THREADED HOSE CONNECTION AT HYDRANT OUTLET.	ACORN (8126-LK-RBV
HR-1	RETRACTABLE HOSE REEL INCLUDED WITH 50 FEET OF 3/4" HOSE AND BUMPER. PROVIDE AND INSTALL REELCRAFT #600980 WALL MOUNTED SWING BRACKET, AND WATTS 8FR VACUUM BREAKER BACKFLOW PREVENTER.	REELCRAFT #83050 C ACCESSORIES - REELCRAFT #600980,
L-1	LAVATORY - COUNTER TOP MOUNTED, OVAL, SELF-RIMMING, WHITE VITREOUS CHINA, 20"x17", FAUCET HOLES ON 4" CENTERS.	(0476.028), GERBER (12-844), KOHLER
	LAVATORY TRIM - TWO HANDLE MIXING FAUCET, SELF CLOSING, BRASS CONSTRUCTION, CHROME-PLATED FINISH, CONVENTIONAL SPOUT WITH [AERATOR][LAMINAR FLOW OUTLET][SPRAY PATTERN OUTLET], WASHERLESS PUSH HANDLES AT [4][8]" CENTERS, OPERATING FORCE OF 5.0 LBS. (MAXIMUM), PERFORATED GRID STRAINER WITH 1-1/4" 17 GAUGE TAILPIECE.	(K-2196-4), SLOAN (SS-3002), TOTO (LT50 ZURN (Z5114) LAVATORY TRIM - DE (86T1153), AMERICAN
	MAXIMUM FLOW SHALL BE 0.25 GALLONS PER CYCLE IN COMPLIANCE WITH ENERGY POLICY ACT OF 2005 AND ASME/ANSI STANDARD A112.18.1M. FAUCET SHALL COMPLY WITH FEDERAL ACT S.3874. MINIMUM FLOW TIME SHALL BE 15 SECONDS.  INSULATION KIT - PRE-MANUFACTURED FOR P-TRAP, STOP VALVES, AND SUPPLY	STANDARD (1340.225 CHICAGO FAUCET (802-VE2805-665ABCF MOEN (8886), SPEAKMAN (S-4141),
	LINES.  ACCESSORIES - QUARTER-TURN 3/8" CHROME PLATED HEAVY BRASS ANGLE SUPPLY	T&S BRASS (B-0831), ZURN (Z86500-XL)
	LOOSE KEY STOPS, CHROME PLATED SOFT COPPER SUPPLY LINES, 1-1/4" 17 GAUGE CAST BRASS P-TRAP.  ARMAFLEX WITH TAPE IS NOT ACCEPTABLE IN LIEU OF INSULATION KIT.	INSULATION KIT - TRUEBRO (LAV-GUAR BROCAR PRODUCTS (TRAP WRAP),
		MCGUIRE (PROWRAP PLUMBEREX (PRO-EXTREME)
L-2	LAVATORY - ACCESSIBLE, WALL MOUNTED, WHITE VITREOUS CHINA, 20"x18", 4" HIGH CONTOURED BACKSPLASH, FAUCET HOLES ON 4" CENTERS, DRILLED FOR CONCEALED ARM CARRIER.	AMERICAN STANDAR (0355.012), KOHLER (K-2005), SLOAN (SS-3003), TOTO (LT30
	LAVATORY TRIM - TWO HANDLE MIXING FAUCET, SELF CLOSING, BRASS CONSTRUCTION, CHROME-PLATED FINISH, CONVENTIONAL SPOUT WITH AERATOR, WASHERLESS PUSH HANDLES AT 4" CENTERS, OPERATING FORCE OF 5.0 LBS. (MAXIMUM), PERFORATED GRID STRAINER WITH 1-1/4" 17 GAUGE TAILPIECE.	ZURN (Z5364) LAVATORY TRIM - DE (86T1153), AMERICAN STANDARD (1340.225
	MAXIMUM FLOW SHALL BE 0.25 GALLONS PER CYCLE IN COMPLIANCE WITH ENERGY POLICY ACT OF 2005 AND ASME/ANSI STANDARD A112.18.1M. FAUCET SHALL COMPLY WITH FEDERAL ACT S.3874. MINIMUM FLOW TIME SHALL BE 15 SECONDS.  INSULATION KIT - PRE-MANUFACTURED FOR P-TRAP, STOP VALVES AND SUPPLY	CHICAGO FAUCET (802-VE2805-665ABCF MOEN (8886), SPEAKMAN (S-4141), T&S BRASS (B-0831),
	LINES.	ZURN (Z86500-XL)  INSULATION KIT - TRUEBRO (LAV-GUAF BROCAR PRODUCTS
	MOUNT LAVATORY WITH SUPPORT CARRIER BOLTED SECURELY TO FLOOR. TOP OF RIM SHALL BE AT 34" ABOVE FLOOR IN COMPLIANCE WITH LATEST ADA STANDARD. PROVIDE 29" MINIMUM CLEARANCE FROM FLOOR TO BOTTOM OF APRON IN COMPLIANCE WITH LATEST ANSI A117.1 AND ADA STANDARDS. ARMAFLEX WITH TAPE	(TRAP WRAP), MCGUIRE (PROWRAF PLUMBEREX (PRO-EXTREME)
MB-1	IS NOT ACCEPTABLE IN LIEU OF INSULATION KIT.  MOP BASIN - PRECAST TERRAZZO, 24"x24"x12", STAINLESS STEEL INTEGRAL DRAIN WITH REMOVABLE STRAINER, 3" OUTLET, CONTINUOUS STAINLESS STEEL CAP ON ALL EDGES.	MOP BASIN - FIAT (TS ACORN (TSH), CREATIVE INDUSTRIE
	TRIM - EXPOSED TWO HANDLE MIXING FAUCET, BRASS CONSTRUCTION, CHROME-PLATED FINISH, SINGLE WING HANDLES, 1/4 TURN CERAMIC DISC CARTRIDGE, 3/4" HOSE THREAD SPOUT WITH INTEGRAL VACUUM BREAKER, WALL BRACE, PAIL HOOK, CHECK STOPS OR INLINE CHECK VALVES TO PREVENT THERMAL CROSSOVER. FAUCET SHALL COMPLY WITH FEDERAL ACT S.3874.	(MC), WILLIAMS (SB)  TRIM - DELTA (28C238 AMERICAN STANDAR (8344.012), CHICAGO FAUCETS (897-CP),
	ACCESSORIES - MOP HANGER, HOSE AND HOSE BRACKET, TRAP TWO 24" WIDE STAINLESS STEEL WALL GUARD.	MOEN (8124), SPEAKMAN (SC-5812) SYMMONS (S-2490), ZURN (Z841M1-XL)
		VACUUM BREAKER - WATTS (8A), OR APPROVED EQUAL
OD-1	ROOF OVERFLOW DRAIN - CAST IRON BODY, SECURED CAST IRON DOME, 15" ROUND, BOTTOM OUTLET, FLASHING CLAMP, GRAVEL STOP, UNDERDECK CLAMP, BEARING PAN, EXTENSION TO MATCH INSULATION THICKNESS, 2" TALL EXTERNAL WATER DAM, OUTLET SIZE AS LISTED	SMITH (1080Y-ERC-CI

		PLU	IMBING MATERIAL LIST		PL
UFACTURER AND MODEL		TAG NAME	DESCRIPTION	MANUFACTURER AND MODEL	TA NAI
CISION PLUMBING DUCTS (PT)	•	RD-1	ROOF DRAIN - CAST IRON BODY, SECURED CAST IRON DOME, 15" ROUND, BOTTOM OUTLET, FLASHING CLAMP, GRAVEL STOP, UNDERDECK CLAMP, BEARING PAN, ADJUSTABLE EXTENSION TO MATCH INSULATION THICKNESS, OUTLET SIZE AS LISTED ON DRAWINGS	SMITH (1010Y-ERC-CID)	WC
I XT-8		SHV-1	SHOWER VALVE - SINGLE HANDLE PRESSURE BALANCED MIXING FAUCET, BRASS OR BRONZE CONSTRUCTION, POLISHED CHROME CAST METAL LEVER HANDLE, WASHERLESS DESIGN, OFF-COLD-HOT TEMPERATURE RANGE INDICATOR DIAL, INTEGRAL CHECK STOPS, ADJUSTABLE TEMPERATURE LIMIT STOP, ASSE 1016 LISTED.	, ,	
I XT-8			ACCESSORIES - CHROME-PLATED PLASTIC SHOWERHEAD WITH SWIVEL BALL JOINT, CHROME-PLATED BRASS ARM AND FLANGE. INSTALL BOTTOM OF SHOWERHEAD PER ARCHITECT. MAXIMUM FLOW TO BE 2.0. SET SAFETY LIMIT STOP TO 110 DEGREE F DISCHARGE.		
TRIC WATER LER -ELKAY [L8C), OASIS ACSL), MURDOCK ()		SK-1	SINK - ACCESSIBLE, SELF-RIMMING SINGLE COMPARTMENT WITH FAUCET DECK AND OVERFLOW, 18 GAUGE TYPE 304 STAINLESS STEEL, 17" (SIDE-TO-SIDE) x 14" (FRONT-TO-BACK) OVERALL SIZE, 17" x 14" x 6.5" DEEP BOWL, SOUND DEADENING ON BOTTOM OF BASIN, 3-1/2" DIAMETER DRAIN OUTLET LOCATION CENTERED IN BOWL, REMOVABLE TYPE 304 STAINLESS STEEL BASKET STRAINER WITH NEOPRENE STOPPER.	SINK - ELKAY LKAD35, JUST [J-ADA-35 SINK TRIM - DELTA (27C2), AMERICAN STANDARD (7270.000), CHICAGO FAUCET (786), KOHLER (K-7761), SYMMONS (S-254),	
				ZURN (Z831-XL)  INSULATION KIT - MCGUIRE (PROWRAP), JUST (J-ADA), PLUMBEREX (PRO-EXTREME), TRUEBRO (LAV-GUARD2)	WCG
TRIC WATER LER - ELKAY B), OASIS (PG8AC), DOCK (A111)		SK-2	SINK - ACCESSIBLE, SELF-RIMMING DOUBLE COMPARTMENT WITH FAUCET DECK AND OVERFLOW IN EACH BOWL, 18 GAUGE TYPE 304 STAINLESS STEEL, SOUND DEADENING ON BOTTOM OF BASIN, [L]" (SIDE-TO-SIDE) x [W]" (FRONT-TO-BACK) OVERALL SIZE, EACH COMPARTMENT [L]" x [W]" x [D]" DEEP, 3-1/2" DIAMETER DRAIN OUTLET LOCATION CENTERED IN EACH BOWL, REMOVABLE TYPE 304 STAINLESS STEEL BASKET STRAINERS WITH NEOPRENE STOPPERS.	SINK - ELKAY LKAD35  SINK TRIM - CHICAGO FAUCET (434-ABCP)  INSULATION KIT - MCGUIRE (PROWRAP)	
			SINK TRIM - SINGLE HANDLE MIXING FAUCET, BRASS CONSTRUCTION, CHROME-PLATED FINISH, NOMINAL 10" HIGH-RISE SWING SPOUT, CERAMIC CARTRIDGE, NOMINAL 8" REACH, PULL DOWN SPRAY HOSE WITH AERATOR STREAM / SPRAY SELECTOR, LEVER HANDLE.	moderniz (rinovirum)	WH
			MAXIMUM FLOW TO BE 1.5 GPM IN COMPLIANCE WITH PROJECT WATER CONSERVATION REQUIREMENTS. FAUCET SHALL COMPLY WITH FEDERAL ACT S.3874. PROVIDE RESTRICTIVE DEVICE AND ESCUTCHEON PLATE AS REQUIRED.		
			ACCESSORIES - 1-1/2" 17 CPVC TAILPIECE AND P-TRAP, QUARTER-TURN BALL VALVE TYPE 3/8" CHROME-PLATED BRASS ANGLE SUPPLIES WITH STOPS, CHROME-PLATED SOFT COPPER SUPPLY LINES.		
I (Z1400), JOSAM 0), MIFAB (C1100),	-		INSULATION KIT - PRE-MANUFACTURED FOR P-TRAP, STOP VALVES, AND SUPPLY LINES.		
H (4000), WADE ), WATTS (CO-200) PR DRAIN - ZURN 5), SMITH (2005), E (1100), JOSAM		SK-3	SINK - DOUBLE COMPARTMENT, 14 GAUGE STAINLESS STEEL, 72" (SIDE-TO-SIDE) x 23-13/16" (FRONT-TO-BACK) OVERALL SIZE, EACH COMPARTMENT 18" x 18" x 14" DEEP, 8" BACKSPLASH WITH SLOPING TOP, 18" LEFT AND RIGHT DRAINBOARDS, 3-1/2" DIAMETER DRAIN OUTLETS, 14 GAUGE STAINLESS STEEL TUBULAR LEGS WITH ADJUSTABLE BULLET SHAPED FEET, NSF COMPLIANT.	SINK - ELKAY (S2C18X18-2-18X) SINK TRIM - CHICAGO FAUCET (445-ABCP	
0), WATTS 00), MIFAB (F1100), (FD1000) RN (8126-LK-RBVB)			SINK TRIM - TWO HANDLE MIXING VALVE, BRASS CONSTRUCTION, CHROME-PLATED FINISH, INDEXED LEVER HANDLES, ADJUSTABLE SUPPLY ARMS, WALL/SPLASH GUARD MOUNTED, INTEGRAL STOPS, 18" DOUBLE JOINTED SWINGING SPOUT, AERATOR.	INSULATION KIT - MCGUIRE (PROWRAP)	WF
			ACCESSORIES - REMOVABLE STRAINER PLATES AND NEOPRENE STOPPERS, 1-1/2" 17 GAUGE CHROME-PLATED BRASS TAILPIECES AND P-TRAP, QUARTER-TURN BALL VALVE TYPE 3/8" CHROME PLATED BRASS ANGLE SUPPLIES WITH STOPS, CHROME PLATED SOFT COPPER SUPPLY LINES.		
CRAFT #83050 OLP SSORIES - CRAFT #600980, TS 8FR		SK-4	SINK - ACCESSIBLE, UNDERMOUNT, SINGLE COMPARTMENT, 18 GAUGE TYPE 304 STAINLESS STEEL, 23-1/2" (SIDE-TO-SIDE) x 18-1/4" (FRONT-TO-BACK) OVERALL SIZE, 21" x 15-3/4" x 4-3/8" DEEP BOWL, COMPLETELY UNDERCOATED, 3-1/2" DIAMETER DRAIN OUTLET LOCATION OFF-CENTERED REAR IN BOWL, STAINLESS STEEL GRID STRAINER.	SINK - ELKAY (ELUHAD/LKAD18) SINK TRIM - CHICAGO FAUCET (786)	
RICAN STANDARD .028), GERBER 14), KOHLER 96-4), SLOAN 002), TOTO (LT501),				INSULATION KIT - PLUMBEREX (PRO-EXTREME)	
I (Z5114) TORY TRIM - DELTA 153), AMERICAN DARD (1340.225),	\ \		MAXIMUM FLOW TO BE 1.5 GPM IN COMPLIANCE WITH ENERGY POLICY ACT OF 2005 AND ASME/ANSI STANDARD A112.18.1M. FAUCET SHALL COMPLY WITH FEDERAL ACT S.3874. PROVIDE RESTRICTIVE DEVICE AND ESCUTCHEON PLATE AS REQUIRED.		WH
AGO FÀUCET /E2805-665ABCP), N (8886), KMAN (S-4141),		SS-1	ACCESSORIES - 1-1/2" 17 GAUGE CHROME-PLATED BRASS TAILPIECE AND P-TRAP, QUARTER-TURN BALL VALVE TYPE 3/8" CHROME-PLATED BRASS ANGLE SUPPLIES WITH LOOSE KEY STOPS, CHROME-PLATED SOFT COPPER SUPPLY LINES.  SERVICE SINK - WALL MOUNTED, 14 GAUGE TYPE 304 STAINLESS STEEL	SINK - JUST (A-18665),	
BRASS (B-0831), I (Z86500-XL) _ATION KIT - :BRO (LAV-GUARD),			CONSTRUCTION, 25"x20", 12" DEÉP BOWL, MOUNTING BRACKETS, 3" CAST IRON FLOOR SUPPORTED P-TRAP.  SINK TRIM - TWO HANDLE EXPOSED MIXING FAUCET, BRASS CONSTRUCTION,	TRIM - DELTA (28C2), AMERICAN STANDARD	
CAR PRODUCTS P WRAP), JIRE (PROWRAP), JIBEREX			CHROME-PLATED FINISH, SINGLE WING HANDLES, 1/4 TURN CERAMIC DISC CARTRIDGE, 3/4" HOSE THREAD SPOUT, INTEGRAL VACUUM BREAKER, WALL BRACE, PAIL HOOK, CHECK STOPS ON INLINE CHECK VALVES TO PREVENT THERMAL CROSSOVER. FAUCET SHALL COMPLY WITH FEDERAL ACT S.3874.	(8344,012), MOEN (8124), SPEAKMAN (SC-5812), ZURN (Z-841M1-XL)	
-EXTREME) RICAN STANDARD .012), KOHLER 05), SLOAN		TP-1	TRAP PRIMER - PRESSURE DROP ACTIVATED, 1/2" MALE NPT INLET AND 1/2" FEMALE NPT OUTLET, BUILT-IN AIRGAP, REMOVABLE FILTER SCREEN, ASSE 1018 LISTED.  REQUIRES NO ADJUSTMENTS OR PRE-CHARGE.	PPP (PR-500), JR SMITH (2694), WATTS (LFTP300T)  DISTRIBUTION SYSTEM	
003), TOTO (LT307), I (Z5364)			DISTRIBUTION SYSTEM - TRAP PRIMER DISTRIBUTION UNIT TO SERVE 4 TRAPS.	- MIFAB (MI-DU), PPP (DU)	WH
TORY TRIM - DELTA 153), AMERICAN DARD (1340.225), AGO FAUCET	·	UR-1	URINAL - ACCESSIBLE, WALL MOUNTED, WHITE VITREOUS CHINA, FLUSH VALVE TYPE, WASHOUT ACTION, ELONGATED RIM, EXTENDED SIDE SHIELDS, 3/4" TOP SPUD, 2" OUTLET.  FLUSH VALVE - FLUSH VALVE - EXPOSED, MANUAL OPERATION, 0.5 GALLONS PER	URINAL - AMERICAN STANDARD (6590.001), KOHLER (K-4991-ET), SLOAN (SU-1006/SU-1009),	
/E2805-665ABCP), N (8886), KMAN (S-4141), BRASS (B-0831), I (Z86500-XL)			FLUSH, 11-1/2" ROUGH-IN, CHROME-PLATED, 3/4" I.P.S. SCREWDRIVER STOP-CHECK VALVE WITH VANDAL RESISTANT CAP, HIGH BACK PRESSURE VACUUM BREAKER, NON-HOLD-OPEN HANDLE, ADJUSTABLE TAILPIECE, SPUD COUPLING AND FLANGE, WALL FLANGE WITH SET SCREW, CHLORAMINE RESISTANT MATERIALS, 3-YEAR WARRANTY.	GERBER (27-780), TOTO (UT447), ZURN (Z5750) FLUSH VALVE - ZURN	20/11
_ATION KIT - :BRO (LAV-GUARD),			CONTRACTOR OPTION: COMBINATION URINAL/FLUSH VALVE PACKAGED SYSTEM BY	(Z6003AV), SLOAN (ROYAL 186), AMERICAN STANDARD (6045.051),	WH
CAR PRODUCTS P WRAP), JIRE (PROWRAP), IBEREX			AMERICAN STANDARD, KOHLER, SLOAN, OR ZURN  ACCESSORIES - SUPPORT CARRIER WITH TOP AND BOTTOM BEARING PLATES.  MOUNT WITH CARRIER BOLTED SECURELY TO FLOOR. TOP OF BOWL RIM SHALL BE	KOHLER (K-13519-CP), TOTO (TMU1LN12#CP), AMTC (MF-700-U05)	
BASIN - FIAT (TSB),			AT 17" (MAXIMUM) ABOVE FLOOR IN COMPLIANCE WITH LATEST ADA STANDARDS. FLUSH HANDLE SHALL BE AT 44" (MAXIMUM) ABOVE FLOOR AND OPERATE WITH NO GREATER THAN 5 LB FORCE IN COMPLIANCE WITH LATEST ADA STANDARDS. VERIFY EQUIPMENT REQUIREMENTS AND ROUGH-IN LOCATIONS.		
RN (TSH), TIVE INDUSTRIES WILLIAMS (SB)		WC-1	WATER CLOSET - FLOOR MOUNTED, FLOOR OUTLET, FLUSH VALVE TYPE, WHITE VITREOUS CHINA, SIPHON JET, HIGH EFFICIENCY WATER SAVING, ELONGATED BOWL, 1-1/2" TOP SPUD, BOLT CAPS.	WATER CLOSET - [AMERICAN STANDARD (2234.001), GERBER (25-830), KOHLER	
RICAN STÀNDARD .012), CHICAGO ETS (897-CP), N (8124), KMAN (SC-5812),			FLUSH VALVE - EXPOSED, MANUAL OPERATION, 1.28 GALLONS PER FLUSH, 11-1/2" ROUGH-IN, CHROME PLATED, 1" I.P.S. SCREWDRIVER STOP-CHECK VALVE WITH VANDAL RESISTANT CAP, HIGH BACK PRESSURE VACUUM BREAKER, SPUD COUPLING AND FLANGE, WALL FLANGE WITH SET SCREW, NON-HOLD-OPEN HANDLE, ADJUSTABLE TAILPIECE, ADA COMPLIANT, 3 YEAR WARRANTY	(K-96053-0), SLOAN (ST-2009), ZURN (Z5655)] FLUSH VALVE - ZURN (Z6000AV-SM-HET), SLOAN (111-1.28),	
MONS (\$-2490), I (Z841M1-XL) IUM BREAKER - IS (8A), OR			SEAT - WHITE, EXTRA HEAVY, OPEN FRONT, INJECTION MOLDED SOLID PLASTIC, SELF-SUSTAINING HINGE, STAINLESS STEEL OR PLATED STEEL POSTS AND NUTS.  CONTRACTOR OPTION: COMBINATION WATER CLOSET/FLUSH VALVE PACKAGED SYSTEM BY AMERICAN STANDARD, KOHLER, SLOAN, OR ZURN	AMERICAN STANDARD (6047.121), KOHLER (K-13517-CP), TOTO (TMT1LN32#CP), AMTC (MF-700-T12)	
OVED EQUAL H (1080Y-ERC-CID)			TOP OF SEAT SHALL BE AT 16"-17" ABOVE FINISHED FLOOR. FLUSH HANDLE SHALL BE	,	

BOWL RIM. VERIFY EQUIPMENT REQUIREMENTS AND ROUGH-IN LOCATIONS.

LOCATED ON THE WIDE SIDE OF THE TOILET STALL AND BE 12" (MAXIMUM) ABOVE (1655SSCT), KOHLER

(K-4666-C), SAME AS

WATER CLOSET MANUFACTURER]

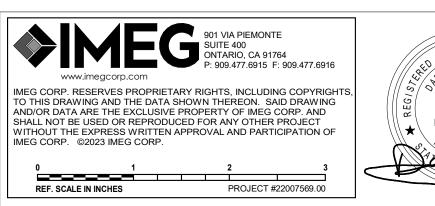
TAG NAME	DESCRIPTION	MANUFACTURER AND MODEL
WC-2	WATER CLOSET - ACCESSIBLE, FLOOR MOUNTED, FLOOR OUTLET, FLUSH VALVE TYPE, WHITE VITREOUS CHINA, SIPHON JET, HIGH EFFICIENCY WATER SAVING, ELONGATED BOWL, 1-1/2" TOP SPUD, BOLT CAPS.	WATER CLOSET - [AMERICAN STANDARD (3043.001), CRANE
	FLUSH VALVE - EXPOSED, MANUAL OPERATION, 1.28 GALLONS PER FLUSH, 11-1/2" ROUGH-IN, CHROME PLATED, 1" I.P.S. SCREWDRIVER STOP-CHECK VALVE WITH VANDAL RESISTANT CAP, HIGH BACK PRESSURE VACUUM BREAKER, SPUD COUPLING AND FLANGE, WALL FLANGE WITH SET SCREW, NON-HOLD-OPEN HANDLE, ADJUSTABLE TAILPIECE, ADA COMPLIANT, 3 YEAR WARRANTY	(3H701), GERBER (25-730), KOHLER (K-96057-0), SLOAN
	SEAT - WHITE, EXTRA HEAVY, OPEN FRONT, INJECTION MOLDED SOLID PLASTIC, SELF-SUSTAINING HINGE, STAINLESS STEEL OR PLATED STEEL POSTS AND NUTS.	(Z6000AV-SM-HET), SLOAN (111-1.28), AMERICAN STANDARD
	CONTRACTOR OPTION: COMBINATION WATER CLOSET/FLUSH VALVE PACKAGED SYSTEM BY AMERICAN STANDARD, KOHLER, SLOAN, OR ZURN	(6047.121), KOHLER (K-13517-CP), TOTO (TMT1LN32#CP), AMTC (MF-700-T12)
	TOP OF SEAT SHALL BE AT 17"-19" ABOVE FINISHED FLOOR. FLUSH HANDLE SHALL BE LOCATED ON THE WIDE SIDE OF THE TOILET STALL AND BE 12" (MAXIMUM) ABOVE BOWL RIM AND OPERATE WITH NO GREATER THAN 5 LB FORCE IN COMPLIANCE WITH LATEST ADA STANDARDS. VERIFY EQUIPMENT REQUIREMENTS AND ROUGH-IN LOCATIONS.	SEAT -[BEMIS (1655SSCT), BENEKE (533), KOHLER (K-4666-C), SAME AS WATER CLOSET MANUFACTURER
WCO-1	WALL CLEANOUT - END CAP, CAST IRON ACCESS BODY, GAS AND WATERTIGHT BRONZE OR BRASS THREADED PLUG, VANDAL RESISTANT ROUND STAINLESS STEEL ACCESS COVER, EXTENDED MACHINE SCREW.	ZURN (Z-1441), SMITH (4422), WADE (W-8480-R/8550), JOSAN (58600-CO), WATT'S (CO-380-RD), MIFAB
WH-1	WATER HEATER - ELECTRIC INSTANTANEOUS POINT-OF-USE (FOR SINGLE LOW FLOW FIXTURE), HIGH STRENGTH REINFORCED PLASTIC BODY, 3/8" COMPRESSION FITTINGS, REPLACEABLE ELEMENT, PAINTED STEEL WATERPROOF ENCLOSURE, HIGH	EEMAX (LAVADVANTAGE
	TEMPERATURE LIMIT SWITCH, FLOW RESTRICTING AERATOR FOR FAUCET OUTLET, 150 PSI WORKING PRESSURE, 1-YEAR WARRANTY ON ELEMENT, 5-YEAR WARRANTY ON HEATER BODY/ELEMENT ASSEMBLY, UL LISTED. 66 °F RISE AT 0.5 GPM, 4.8 KW ELEMENT, 20 AMPS, MINIMUM FLOW 0.2 GPM. ELECTRICAL REQUIREMENTS - 240 V-1 PHASE, HARD-WIRED DISCONNECT BT EC. MOUNT WATER HEATER ON WALL BELOW SINK OR LAVATORY. SET OUTPUT WATER TEMPERATURE AT 105°F.	SPEX48T)
WH-2	WATER HEATER - ELECTRIC, VERTICAL, METAL CABINET, BAKED ENAMEL FINISH, GLASS-LINED ASME STAMPED WELDED STEEL TANK, 150 PSI WORKING PRESSURE, FIBERGLASS OR FOAM INSULATION, BRASS WATER CONNECTIONS AND DRAIN VALVE, ASME APPROVED T&P RELIEF VALVE, MAGNESIUM ANODE ROD, INDIVIDUAL FLANGE-MOUNTED IMMERSION HEATING ELEMENTS SHEATHED WITH CORROSION-RESISTANT METAL ALLOY, EXTERNALLY ADJUSTABLE AUTOMATIC IMMERSION WATER THERMOSTAT, MANUAL RESET HIGH TEMPERATURE CUTOFF SWITCH, ENCLOSED CONTROLS, VENTILATED CONTROL CABINET, PILOT LIGHTS INDICATING MAIN POWER AND HEATING STEPS, CONTROL CIRCUIT TOGGLE SWITCH, SEQUENCING STEP CONTROLLER, CONTROL TRANSFORMER, POWER CIRCUIT FUSES, MAGNETIC CONTACTORS, CERAMIC TERMINAL BLOCK, FACTORY ASSEMBLED AND WIRED, 3-YEAR WARRANTY, UL LISTED, NEC COMPLIANT ELECTRICAL	WATER HEATER - A.O. SMITH (DSE-40A)
	COMPONENTS, COMPLIANT TO NAECA, ASHRAE 90.1 AND ASHRAE 90A.  40 GALLON CAPACITY, 62 GPH RECOVERY RATE AT 60°F TEMPERATURE RISE. HEATING ELEMENTS RATED FOR LESS THAN 75 WATTS PER SQUARE INCH.  ELECTRICAL REQUIREMENTS - 9 KW, 208V/3PH, 25 FLA.	
	SET WATER TEMPERATURE AT 120°F.	
WH-3	WATER HEATER - ELECTRIC, VERTICAL, METAL CABINET, BAKED ENAMEL FINISH, GLASS-LINED ASME STAMPED WELDED STEEL TANK, 150 PSI WORKING PRESSURE, FIBERGLASS OR FOAM INSULATION, BRASS WATER CONNECTIONS AND DRAIN VALVE, ASME APPROVED T&P RELIEF VALVE, MAGNESIUM ANODE ROD, INDIVIDUAL FLANGE-MOUNTED IMMERSION HEATING ELEMENTS SHEATHED WITH CORROSION-RESISTANT METAL ALLOY, EXTERNALLY ADJUSTABLE AUTOMATIC IMMERSION WATER THERMOSTAT, MANUAL RESET HIGH TEMPERATURE CUTOFF SWITCH, ENCLOSED CONTROLS, VENTILATED CONTROL CABINET, PILOT LIGHTS INDICATING MAIN POWER AND HEATING STEPS, CONTROL CIRCUIT TOGGLE SWITCH, SEQUENCING STEP CONTROLLER, CONTROL TRANSFORMER, POWER CIRCUIT FUSES, MAGNETIC CONTACTORS, CERAMIC TERMINAL BLOCK, FACTORY ASSEMBLED AND WIRED, 3-YEAR WARRANTY, ULL ISTED, NEC COMPLIANT ELECTRICAL COMPONENTS, COMPLIANT TO NAECA, ASHRAE 90.1 AND ASHRAE 90A.	WATER HEATER - A.O. SMITH (DEL-30)
	30 GALLON CAPACITY, 30 GPH RECOVERY RATE AT 60°F TEMPERATURE RISE. HEATING ELEMENTS RATED FOR LESS THAN 75 WATTS PER SQUARE INCH. ELECTRICAL REQUIREMENTS - 6.0 KW MAXIMUM, 208V/1PH.	
	SET WATER TEMPERATURE AT 120°F.	
WH-4	WATER HEATER - ELECTRIC, VERTICAL, METAL CABINET, BAKED ENAMEL FINISH, GLASS-LINED ASME STAMPED WELDED STEEL TANK, 150 PSI WORKING PRESSURE, FIBERGLASS OR FOAM INSULATION, BRASS WATER CONNECTIONS AND DRAIN VALVE, ASME APPROVED T&P RELIEF VALVE, MAGNESIUM ANODE ROD, INDIVIDUAL FLANGE-MOUNTED IMMERSION HEATING ELEMENTS SHEATHED WITH CORROSION-RESISTANT METAL ALLOY, EXTERNALLY ADJUSTABLE AUTOMATIC IMMERSION WATER THERMOSTAT, MANUAL RESET HIGH TEMPERATURE CUTOFF SWITCH, ENCLOSED CONTROLS, VENTILATED CONTROL CABINET, PILOT LIGHTS INDICATING MAIN POWER AND HEATING STEPS, CONTROL CIRCUIT TOGGLE SWITCH, SEQUENCING STEP CONTROLLER, CONTROL TRANSFORMER, POWER CIRCUIT FUSES, MAGNETIC CONTACTORS, CERAMIC TERMINAL BLOCK, FACTORY ASSEMBLED AND WIRED, 3-YEAR WARRANTY, UL LISTED, NEC COMPLIANT ELECTRICAL COMPONENTS, COMPLIANT TO NAECA, ASHRAE 90.1 AND ASHRAE 90A.	WATER HEATER - A.O. SMITH (DSE-40A)
	40 GALLON CAPACITY, 62 GPH RECOVERY RATE AT 60°F TEMPERATURE RISE. HEATING ELEMENTS RATED FOR LESS THAN 75 WATTS PER SQUARE INCH.	
	ELECTRICAL REQUIREMENTS - 9 KW, 208V/3PH, 25 FLA.  SET WATER TEMPERATURE AT 120°F.	
WH-5	WATER HEATER/BOILER - ELECTRIC, VERTICAL, METAL CABINET, BAKED ENAMEL FINISH, WALL-MOUNTED, MODULATING, TITANIUM HEATING ELEMENTS, BUILT-IN PUMP CSA22.2 NO. 165-17 AND UL834 CERTIFIED, 1-YEAR ELEMENT/PUMP WARRANTY, 5-YEAR PARTS WARRANTY, NEC COMPLIANT ELECTRICAL.	IBC EBX 4K-240
	1.0 TO 10.2 MBH (0.3 TO 3 KW) HEATING ELEMENT, 120 DEG. SUPPLY WATER, 100 DEG RETURN WATER. 50 PSI MAX OPERATING PRESSURE.	
	ELECTRICAL REQUIREMENTS - 3 KW, 208V/1PH, 15.4 A MCA, 30 MOCP.	
WHA-1	SET WATER TEMPERATURE AT 120°F.  WATER HAMMER ARRESTOR – PISTON TYPE, PRE-CHARGED WITH 60 PSIG AIR, LEAD FREE, COPPER BODY, BRASS OR HIGH HEAT POLY-PROPYLENE PISTON WITH DUAL EPDM O-RING SEALS LUBRICATED WITH FDA APPROVED SILICONE LUBRICANT. PDI CERTIFIED, A.S.S.E. 1010 APPROVED FOR SEALED WALL INSTALLATION, RATED FOR [1-11][12-32] FIXTURE UNITS.	WATTS (LF15M2-DR), MIFAB (MWH), PPP (SC SERIES), ZURN WILKINS (1250XL), JR SMITH (5201-5250)
	INSTALL PER MANUFACTURER'S RECOMMENDATIONS.	

				WATER		WATER		INAGE
ŀ	TAG NAME	DESCRIPTION	EA.	TOTAL	EA.	TOTAL	EA.	TOTA
F	FD-1	FLOOR DRAIN	0	0	0	0	2	4
t	HB-1	HOSE BIBB (ROOF HYDRANT)	2.5	20	0	0	0	0
1.	Λ dania			20		0		4
	Admin EWC-1	DRINKING FOUNTAIN	0.5	1.5	0	0	1	3
	FD-1	FLOOR DRAIN	0	0	0	0	2	12
	L-1	LAVATORY	1	8	1	8	1	8
ŀ	MB-1 SK-1	MOP BASIN SINK	1.5	9	3 1.5	9	3 2	9
ŀ	SK-2	SINK	1.5	1.5	1.5	1.5	2	2
	UR-1	URINAL (ACCESSIBLE)	4	12	0	0	5	15
	WC-1	WATER CLOSET (ACCESSIBLE)	5	30	0	0	4	24
F	WC-2	WATER CLOSET	5	10	0	0	4	8
	ADOPTION	BOG BUILDING 1		78		24.5		89
ŕ	FD-1	FLOOR DRAIN	0	0	0	0	2	800
ľ	MB-1	MOP BASIN	3	3	3	3	3	3
				3		3		803
1	ADOPTION MB-1	BOG BUILDING 2 MOP BASIN	3	2	3	2	3	2
H	IVID-1	MOP BASIN	3	3	3	3	3	3
	ADOPTION	BOG BUILDING 3		3		3		3
L	MB-1	MOP BASIN	3	3	3	3	3	3
Γ				3		3		3
1	ADOPTION MB-1	BOG BUILDING 4 MOP BASIN	3	2	2	2	3	2
F	IVIB-1	MOP BASIN	3	3	3	3	3	3
/	ADOPTION	BOG BUILDING 5		O		Ü		Ü
t	FD-1	FLOOR DRAIN	0	0	0	0	2	76
L	MB-1	MOP BASIN	3	3	3	3	3	3
1	ADORTION	BOG BUILDING 6		3		3		79
ľ		FLOOR DRAIN	0	0	0	0	2	122
t	MB-1	MOP BASIN	3	6	3	6	3	6
				6		6		128
10		ER ANIMAL MOP BASIN	3	3	3	3	3	3
H	SK-2	SINK	1.5	1.5	1.5	1.5	2	2
t	SS-1	SINK	3	3	3	3	3	3
				7.5		7.5	1	8
ľ	MEDICAL C	·						400
ŀ	FD-1 HR-1	FLOOR DRAIN HOSE REEL	2.5	0 2.5	0	0	0	160 0
f	L-2	LAVATORY	1	1	1	1	1	1
t	MB-1	MOP BASIN	3	6	3	6	3	6
	SK-1	SINK	1.5	3	1.5	3	2	4
L	SK-2	SINK	1.5	1.5	1.5	1.5	2	2
ŀ	SK-4 SS-1	SINK (ACCESSIBLE) SERVICE SINK	3	3	3	3	3	3
F	WC-1	WATER CLOSET (ACCESSIBLE)	5	5	0	0	4	4
F		,		24		16.5		182
3	STRAY DOO	·						
-	MB-1	MOP BASIN	3	3	3	3	3	3
1	SUPPORT E	BUILDING		J		J		3
f		DRINKING FOUNTAIN	0.5	0.5	0	0	1	1
	FD-1	FLOOR DRAIN	0	0	0	0	2	14
F	L-1	LAVATORY	1	4	1	4	1	4
1	SHV-1 SK-1	SHOWER SINK	1.5	8 4.5	2	8 4.5	2 2	8
$\mid$	SK-1 SK-3	SINK	1.5	4.5 1.5	1.5 1.5	4.5 1.5	2	2
$\mid$	UR-1	URINAL (ACCESSIBLE)	4	4	0	0	5	5
t	WC-1	WATER CLOSET (ACCESSIBLE)	5	10	0	0	4	8
ſ	WC-2	WATER CLOSET	5	5	0	0	4	4
				37.5		18		52



NOTES: (APPLIES TO ALL PLUMBING FIXTURES LISTED BELOW)
1) SIZES SHOWN ARE MINIMUMS. LARGER SIZES SHOWN ON THE DRAWING SHALL DICTATE THE ROUGH-IN SIZE. 2) SANITARY RISERS UP IN WALL TO FIXTURES SHALL BE A MINUMUM OF 2". 3) DOMESTIC WATER BRANCH PIPING OUTSIDE OF THE WALL/CHASE SHALL BE A MINIMUM OF 3/4" UNLESS NOTED OTHERWISE. ONLY THE FINAL RISE-DROP SHALL BE SMALLER. 4) FINAL SANITARY SIZE SHALL MATCH P-TRAP SIZE (REFER TO MATERIAL LIST).

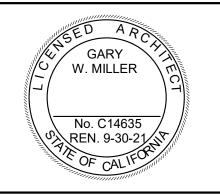
TAG NAME	DESCRIPTION	WATER	WATER	SANITARY	VENT
EWC-1	DRINKING FOUNTAIN	1/2"	-	1 1/2"	1 1/2"
EWC-2	DRINKING FOUNTAIN	1/2"	-	1 1/2"	1 1/2"
FD-1	FLOOR DRAIN			3"	1 1/2"
FD-1	FLOOR DRAIN			3"	1 1/2"
L-1	LAVATORY	1/2"	1/2"	1 1/2"	1 1/2"
L-2	LAVATORY	1/2"	1/2"	1 1/2"	1 1/2"
MB-1	MOP BASIN	3/4"	3/4"	3"	1 1/2"
SHV-1	SHOWER	1/2"	1/2"	2"	1 1/2"
SK-1	SINK	1/2"	1/2"	1 1/2"	1 1/2"
SK-2	SINK	1/2"	1/2"	1 1/2"	1 1/2"
SK-3	SINK	1/2"	1/2"	1 1/2"	1 1/2"
SK-4	SINK (ACCESSIBLE)	1/2"	1/2"	1 1/2"	1 1/2"
SS-1	SERVICE SINK	1/2"	1/2"	1 1/2"	1 1/2"
SS-1	SINK	1/2"	1/2"	1 1/2"	1 1/2"
UR-1	URINAL (ACCESSIBLE)	3/4"	-	2"	1 1/2"
WC-1	WATER CLOSET (ACCESSIBLE)	1 1/2"	-	4"	2"
WC-2	WATER CLOSET	1 1/2"	_	4"	2"







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SCHEDULES

sheet number No. M34080 Exp. June 30 2026

P-101

Of

## **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
STILLT FRESSORE READING.			1 31
PLIN PINO PERMAP			
BUILDING DEMAND:			
TOTAL DEMAND 191 FIXTURE UNIT (FU)	<b>=</b> _	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 LOSSES 250 x1.25 (FITTINGS) = 375 FEET TOTAL DEVELOPED LENGTH PSI LOSSES PER 100 FT. = <u>5.1</u> PSI/100' \_\_\_\_19 PSIx100'/ <u>326.25</u>

PIPING SIZED ON 5 PSI/100' PIPE FRICTION LOSS & MAX. <u>6 FT./S</u>EC. VELOCITY

PRESSURE AVAILABLE FOR FRICTION LOSS:

#### WATER HEATER SIZING CALCULATION CLIDDODT DLIII DIVIC

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					
MEDIC	AL BUILDI	NG			
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	VELOCITY	FIXTUR	RE UNITS
1 11 2 0122	(GPM)	(FT/SEC.)	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"	<b>5</b> 7.88	6.0	155	63
2 1/2"	89.25	6.0	380	245
3"	127.40	6.0	665	596

TYPE L COPPER PIPE MATERIAL: 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.

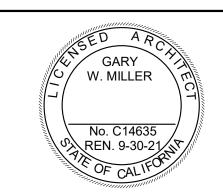
TO MINITALE PORTEST SIX VARIOUS STITLES.					
PIPE SIZE	FLOW AT 1/4"IN./FT. SLOPE IN GPM	MAXIMUM SQUARE FEET			
3"	48	2320			
4"	110	5300			
5"	196	9440			
6"	314	15100			
8"	677	32600			
10"	1214	58400			
HORIZONTAL PIPING SHALL BE INSTALLED AT 1/4" SLOPE PER FOOT					



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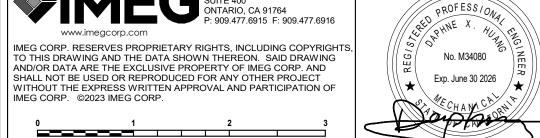
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CALCULATIONS





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TRASH ENCLOSURE

LOOP OPEN

29'-10"

DOG BUILDING BLO 000

I.E. -7' 0"

4" SAN I.E. -6' 2"

ANIMAL CAGE WASH AREA

- 1 1/4" CW

ADOPTION

DOG BUILDING 4

BLO 000

29'-8 1/2"

23'-1 1/4"

I.E. -7' 0"

TRUCK WASH BLO 030

—36" MINIMUM BURIAL DEPTH,REFER TO CIVIL SITE PLAN FOR CONTINUATION

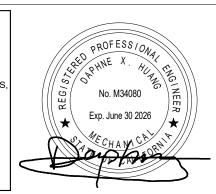
STAFF PARKING

(18 SPACES)

SIGNAGE

- 36" MINIMUM BURIAL DEPTH, REFER TO

CIVIL SITE PLAN FOR CONTINUATION







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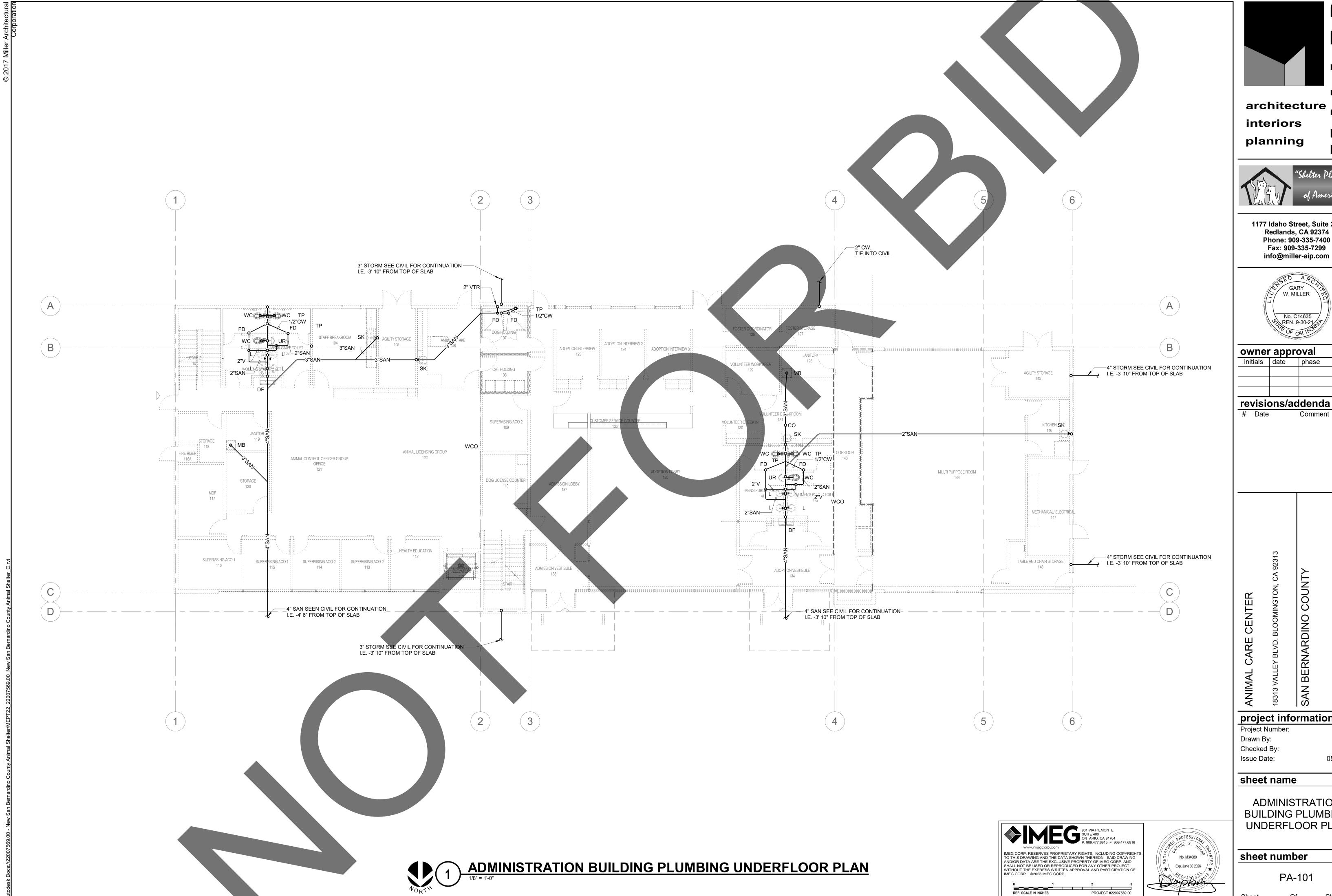
PLUMBING SITE PLAN

sheet number

PS-101

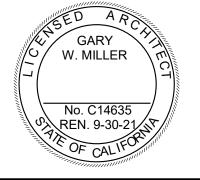
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PLUMBING SITE PLAN





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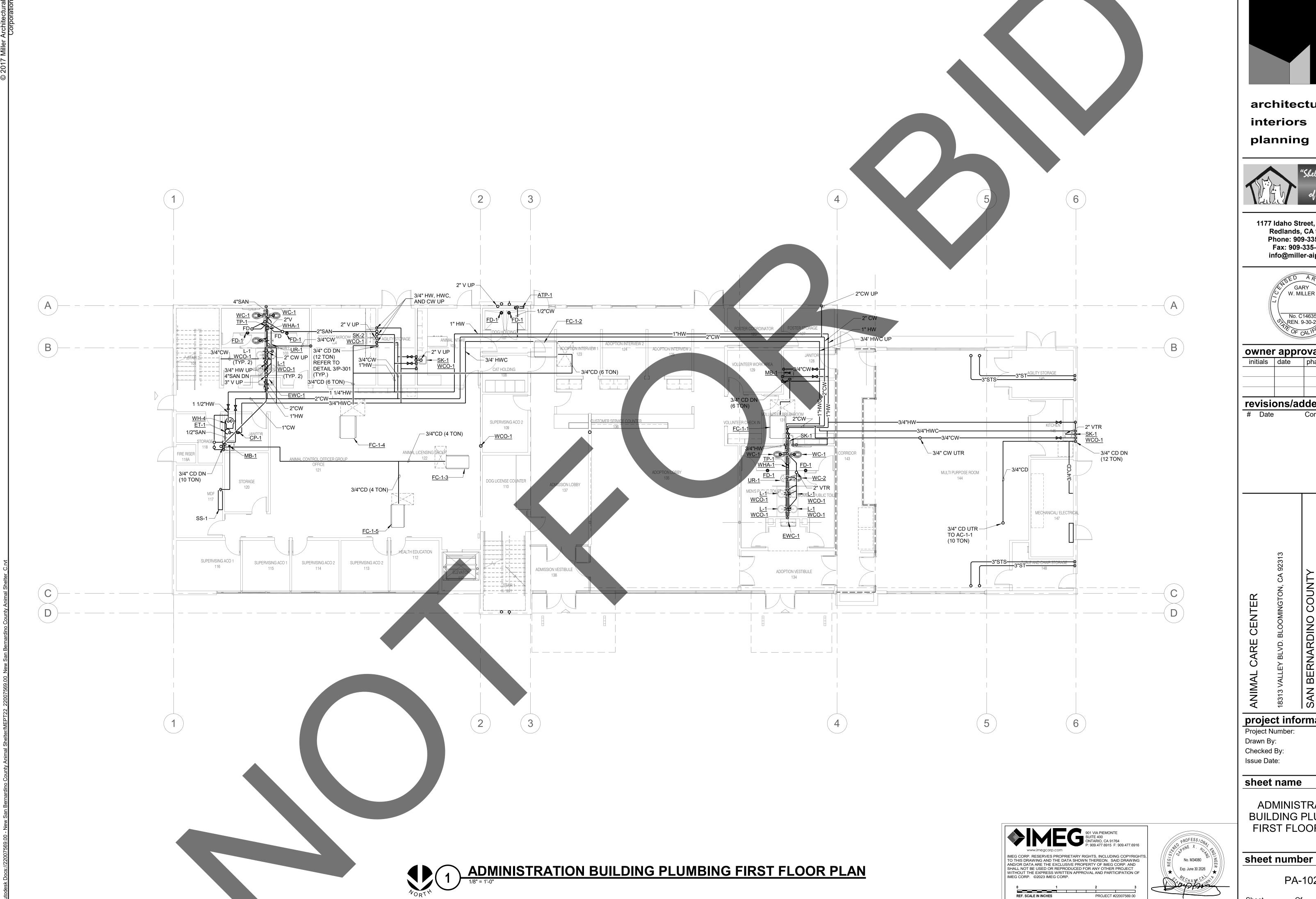
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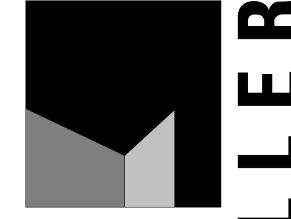
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ADMINISTRATION **BUILDING PLUMBING** UNDERFLOOR PLAN

PA-101

Sheet Of







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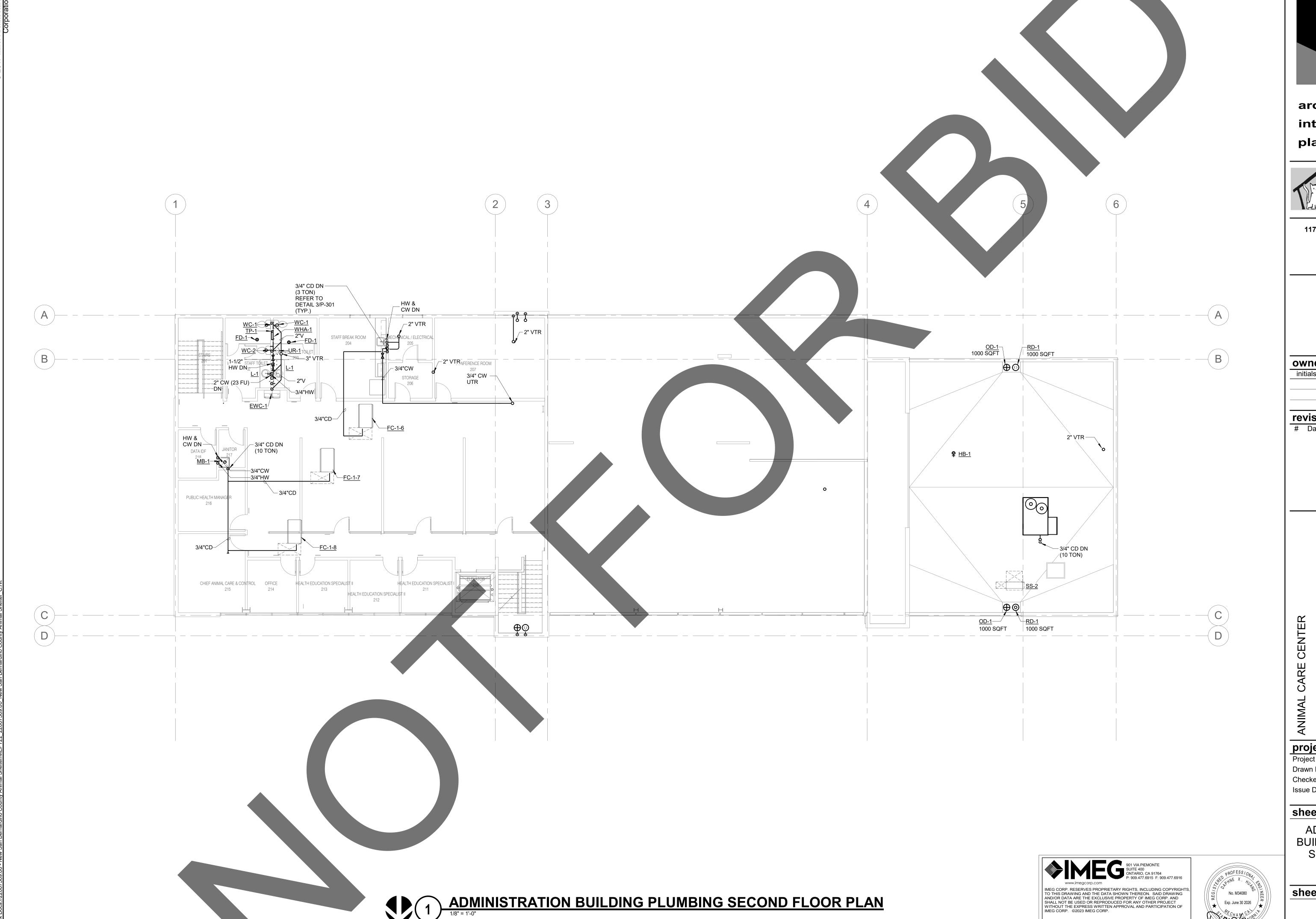
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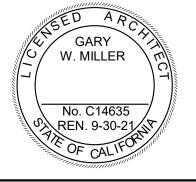
**ADMINISTRATION BUILDING PLUMBING** FIRST FLOOR PLAN

PA-102





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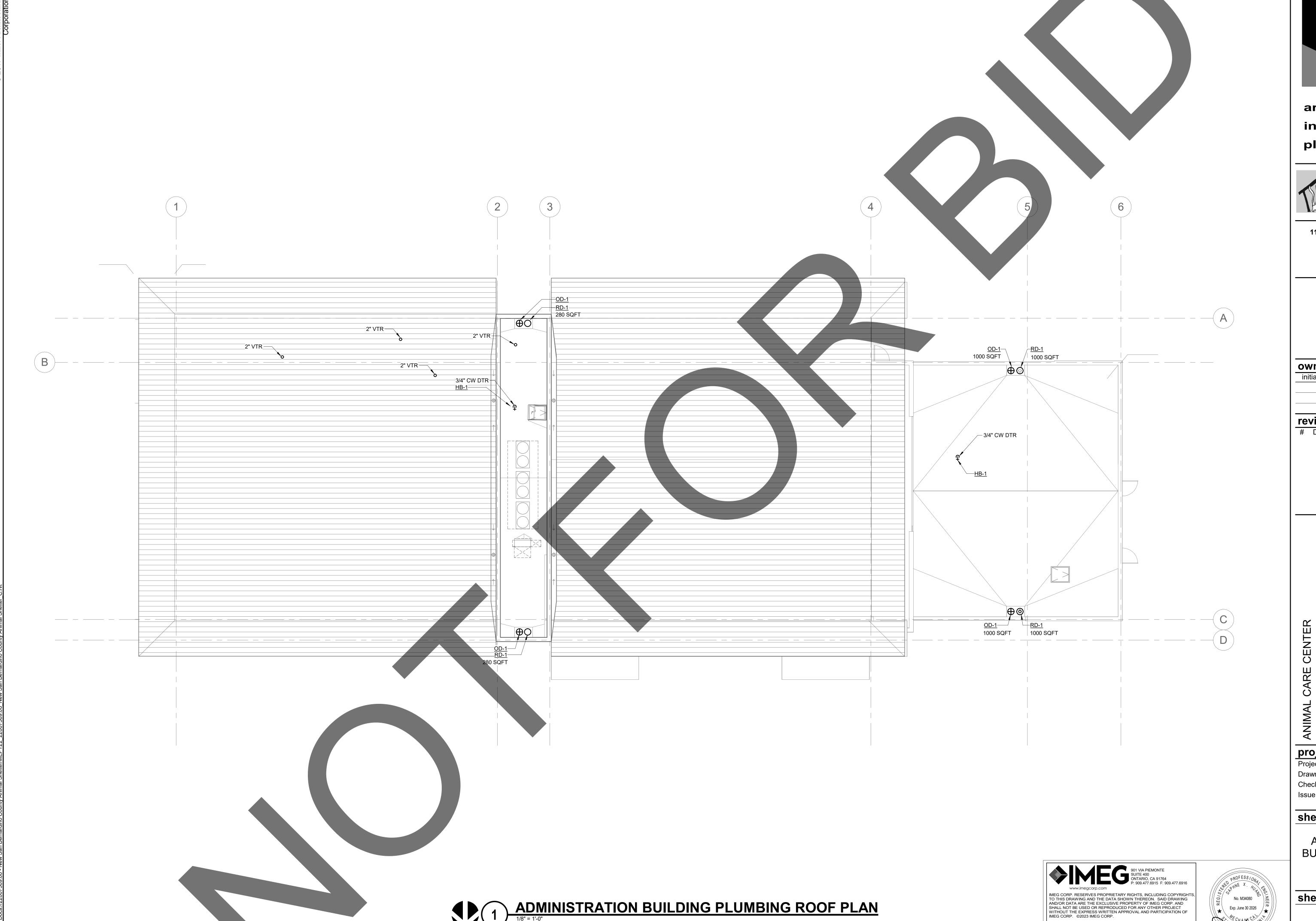
**ADMINISTRATION BUILDING PLUMBING** SECOND FLOOR PLAN

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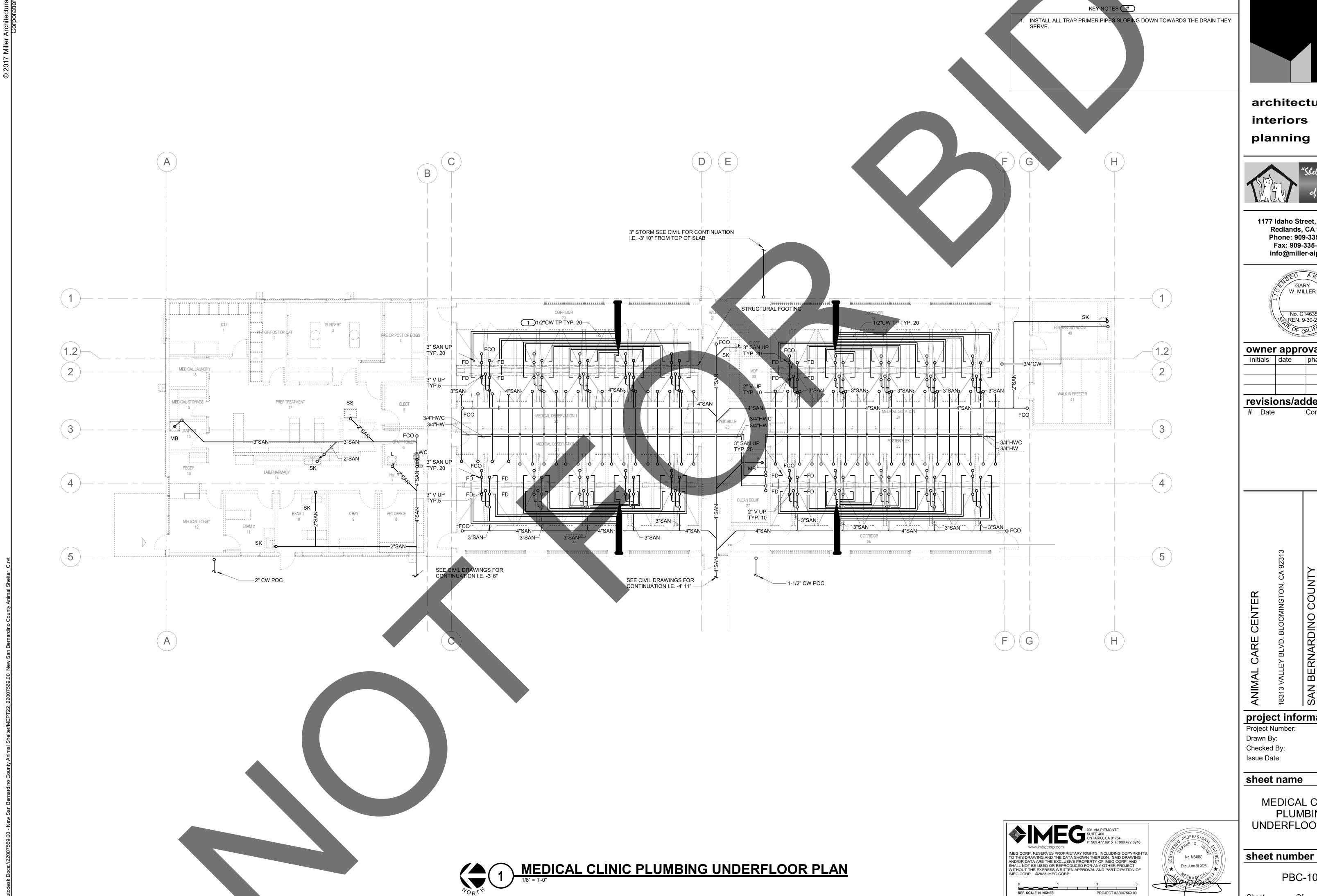
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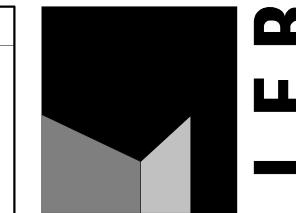
**ADMINISTRATION** BUILDING PLUMBING **ROOF PLAN** 

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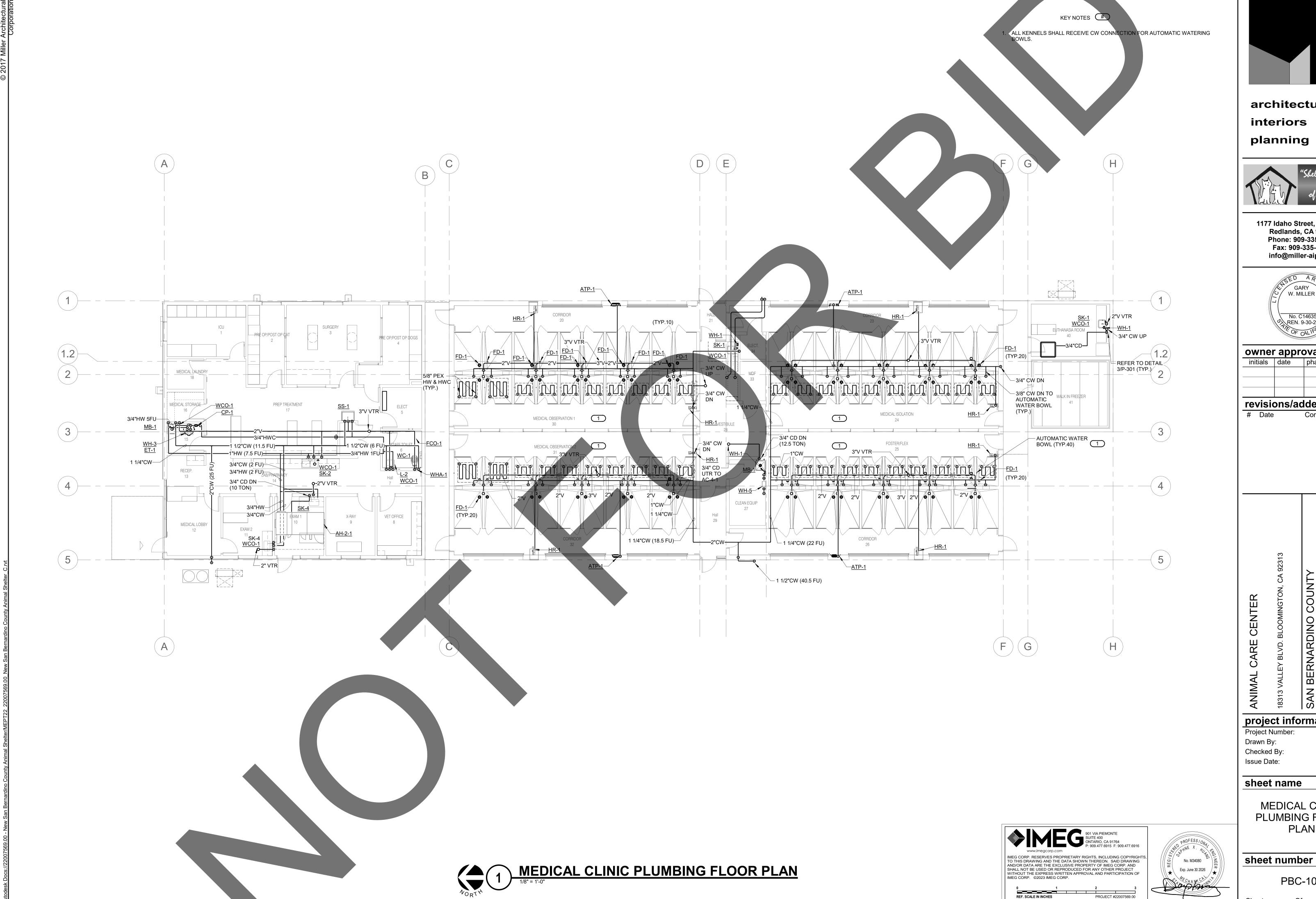
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Project Number: 05/17/24

MEDICAL CLINIC **PLUMBING** UNDERFLOOR PLAN

PBC-101





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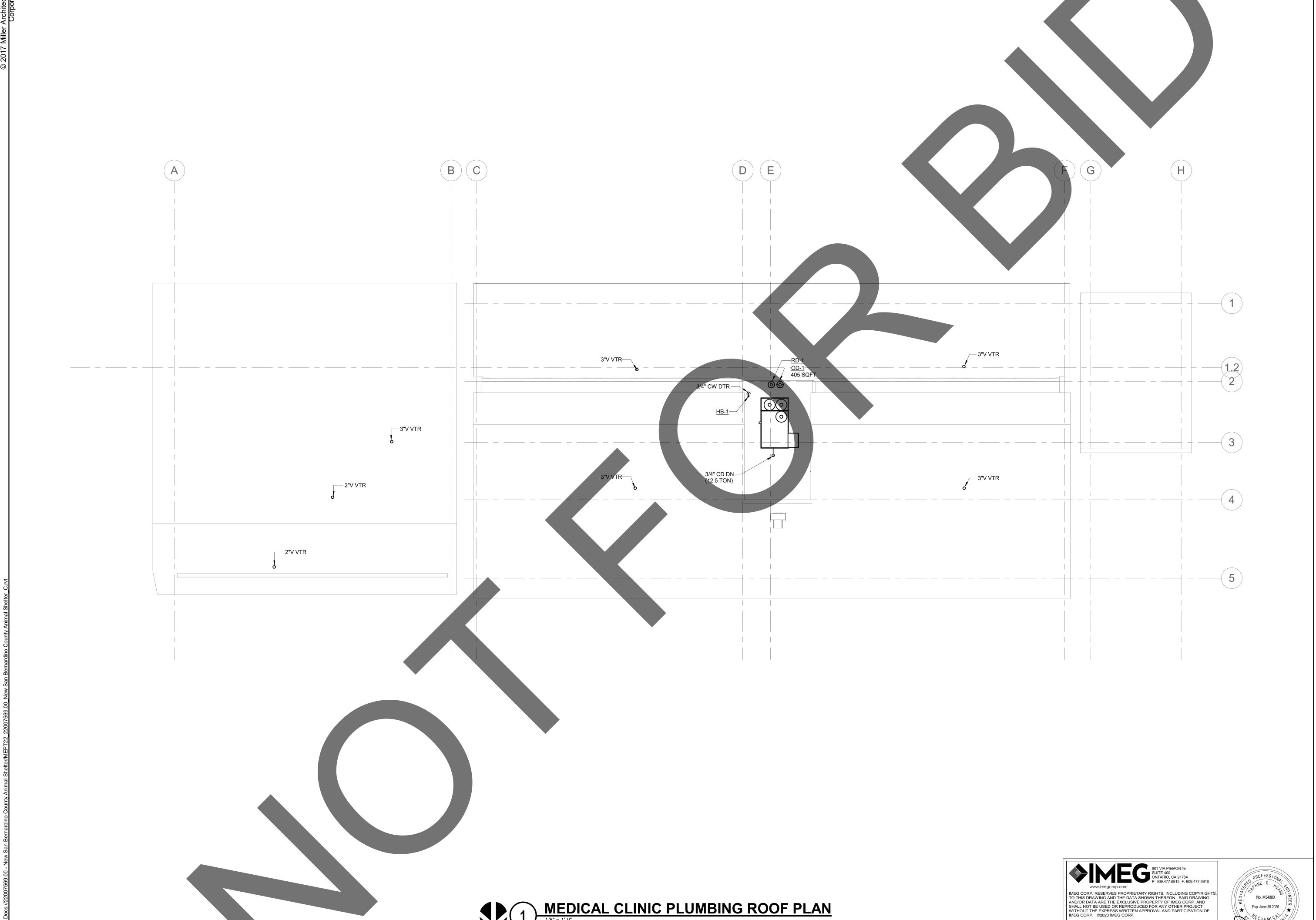
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MEDICAL CLINIC PLUMBING FLOOR PLAN

PBC-102



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MEDICAL CLINIC PLUMBING ROOF PLAN

# sheet number

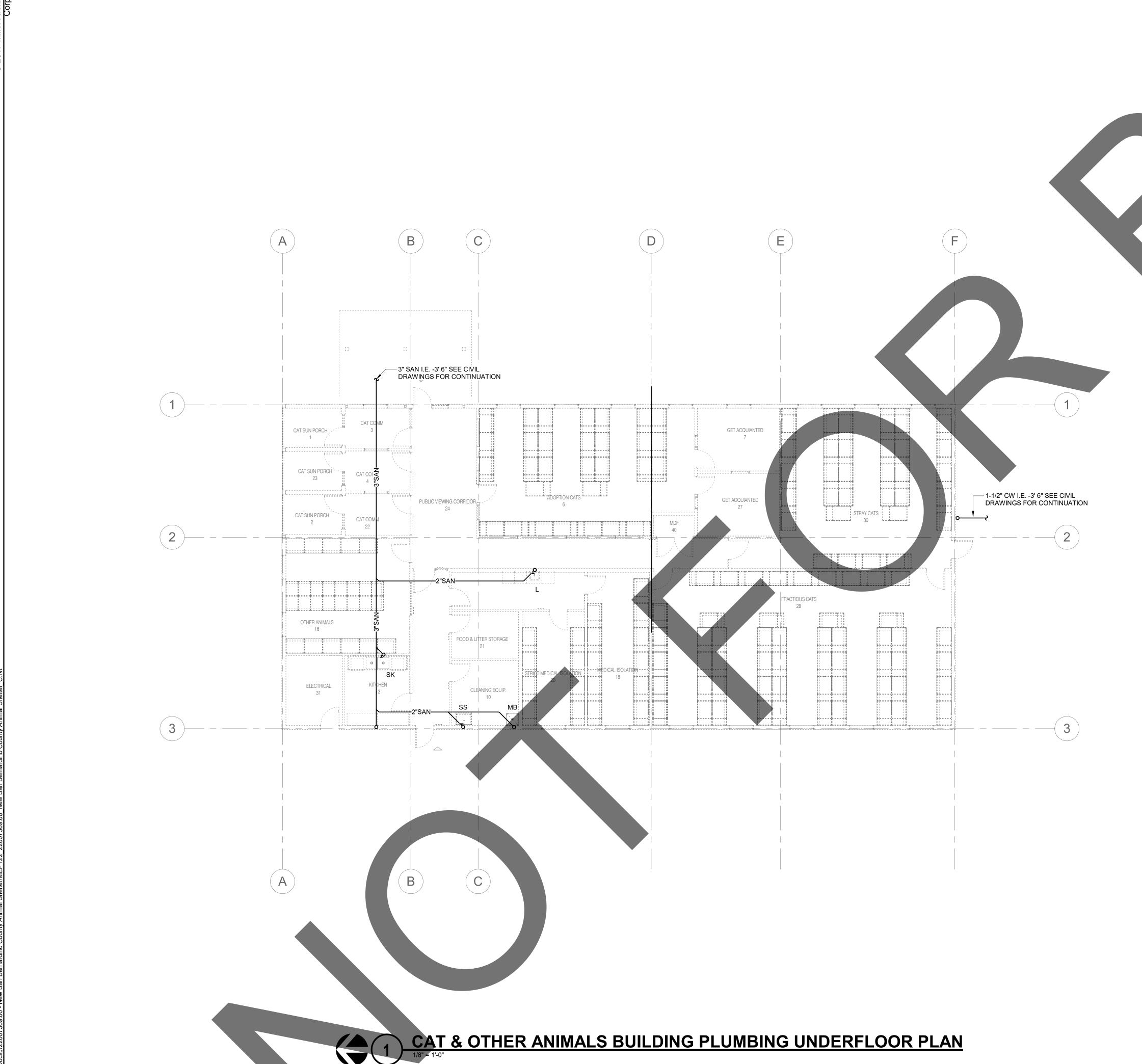
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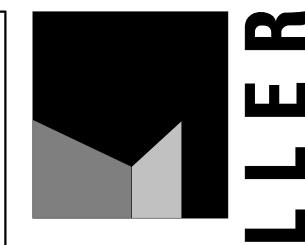
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MEDICAL CLINIC PLUMBING ROOF PLAN









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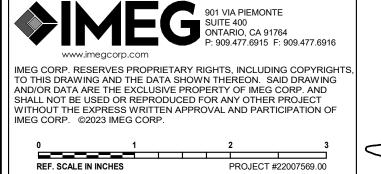
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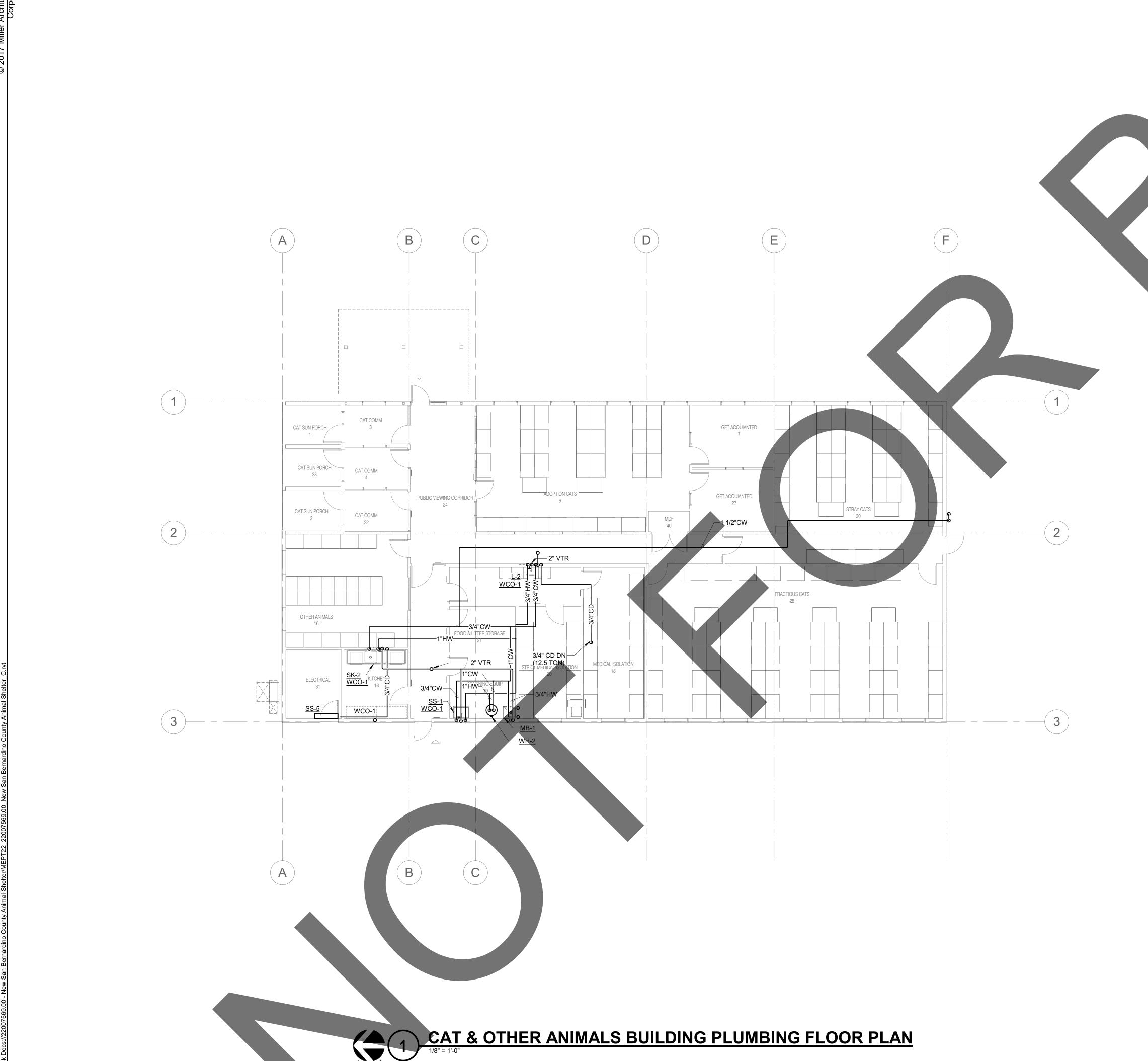
CAT & OTHER ANIMALS BUILDING **PLUMBING** UNDERFLOOR PLAN

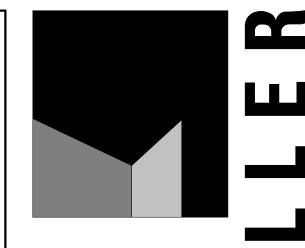
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CAT & OTHER ANIMALS BUILDING PLUMBING FLOOR PLAN

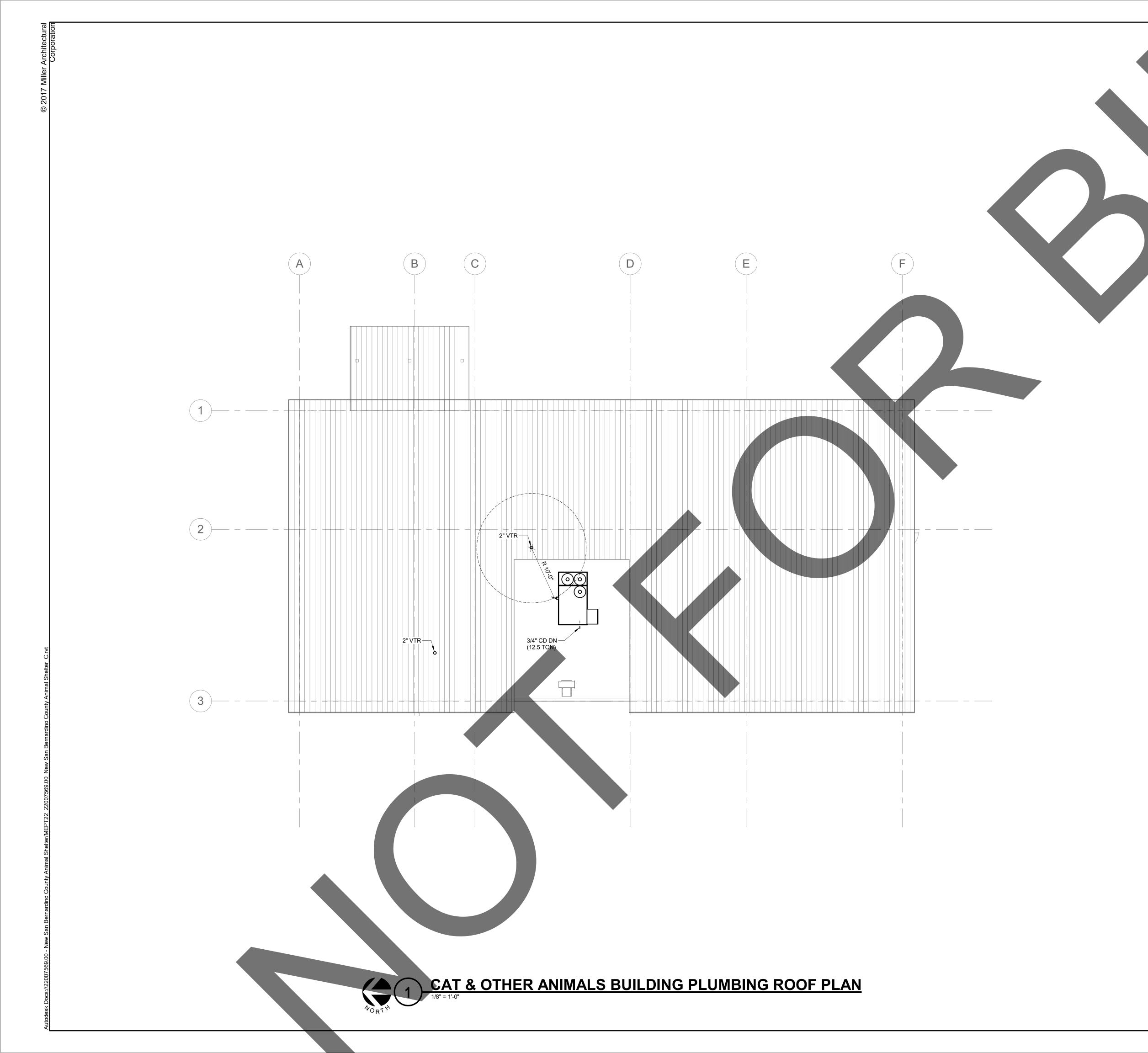
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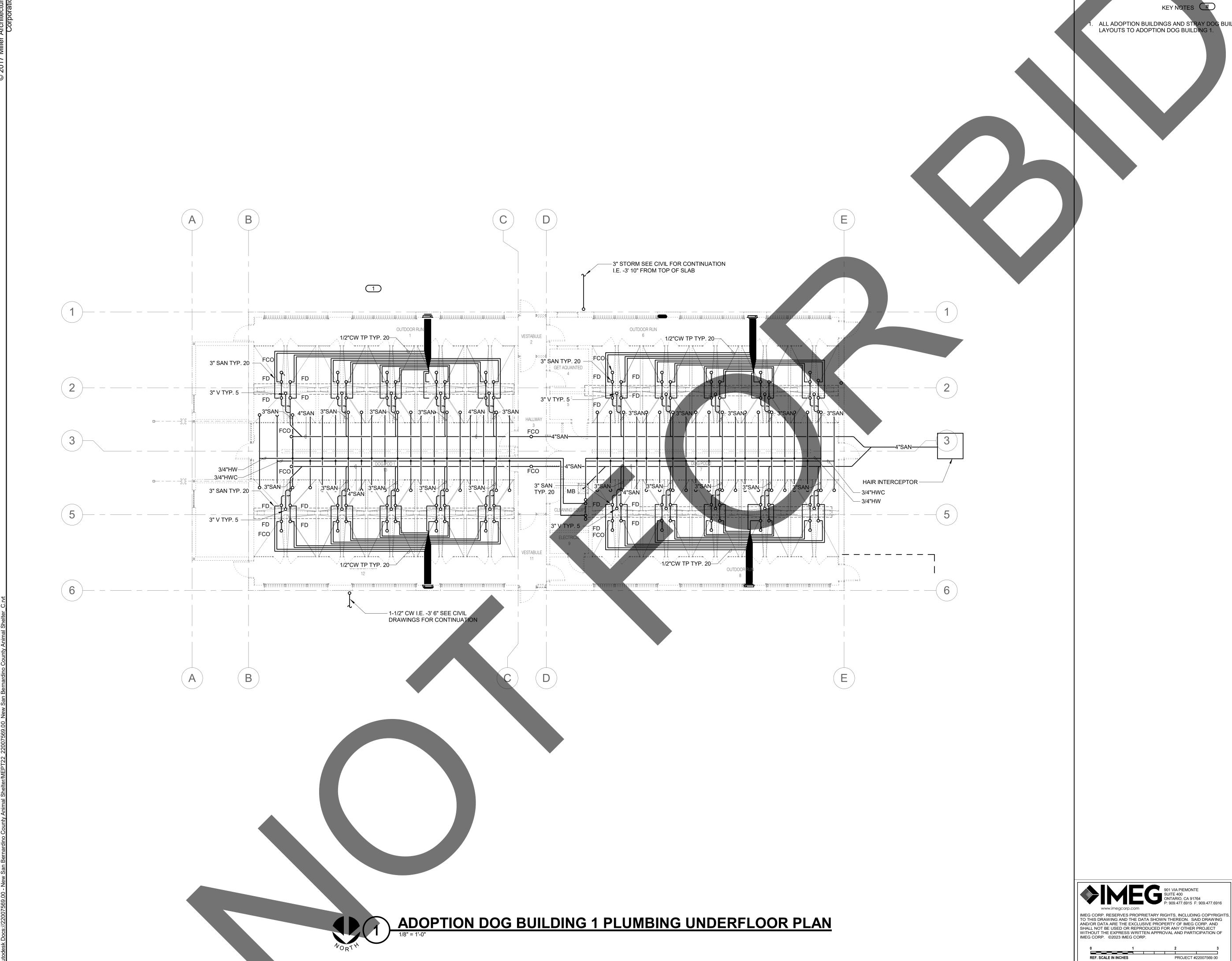
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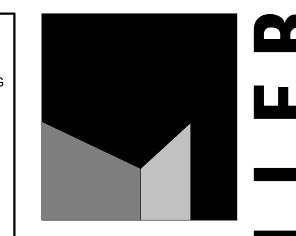
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ALL ADOPTION BUILDINGS AND STRAY DOG BUILDINGS HAVE TYPICAL PLUMBING LAYOUTS TO ADOPTION DOG BUILDING 1.



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05/17/24

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