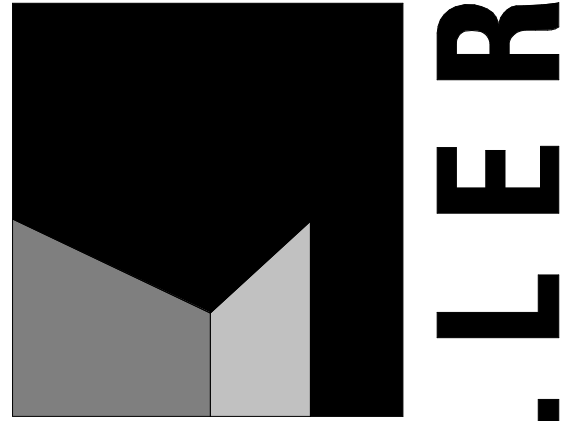


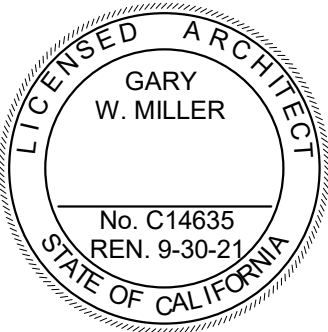
- KEY NOTES
1. ALL ADOPTION BUILDINGS AND STRAY DOG BUILDINGS HAVE TYPICAL PLUMBING LAYOUTS TO ADOPTION DOG BUILDING.
 2. ALL KENNELS SHALL RECEIVE CW CONNECTION FOR AUTOMATIC WATERING BOWLS.



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

sheet name

ADOPTION DOG
BUILDING 1
PLUMBING FLOOR
PLAN

sheet number

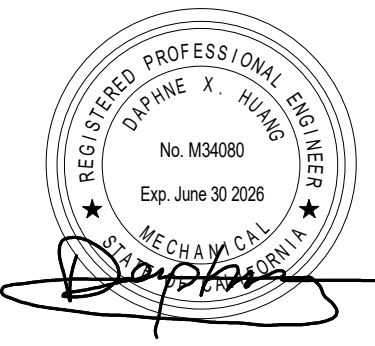
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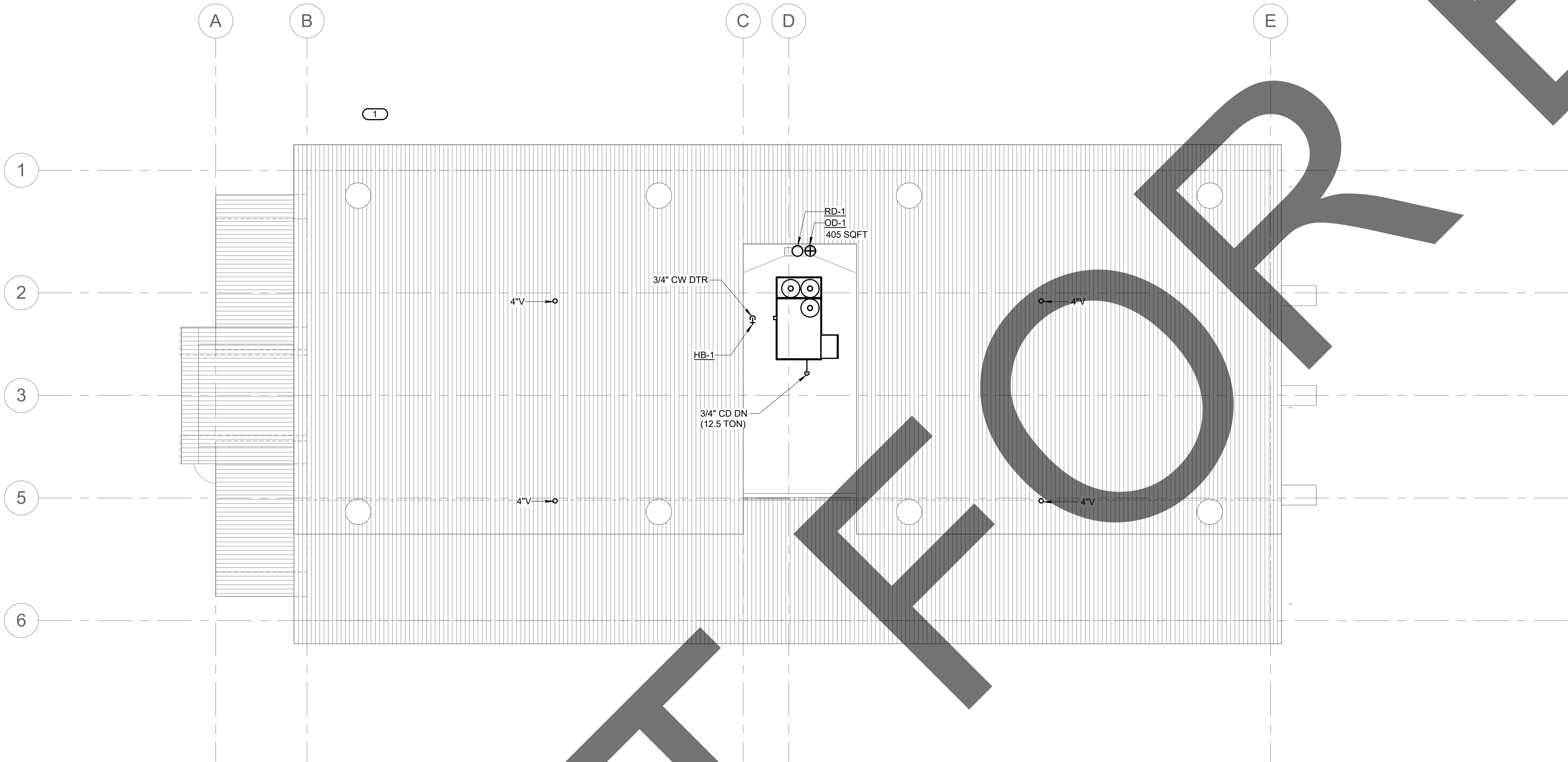
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1

ADOPTION DOG BUILDING 1 PLUMBING FLOOR PLAN

1/8" = 1'-0"



KEY NOTES

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

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No. C14635
REN. 9-30-21
STATE OF CALIFORNIA

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revisions/addenda

#	Date	Comment

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Drawn By: JH
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sheet name

ADOPTION DOG BUILDING 1
PLUMBING ROOF PLAN

sheet number

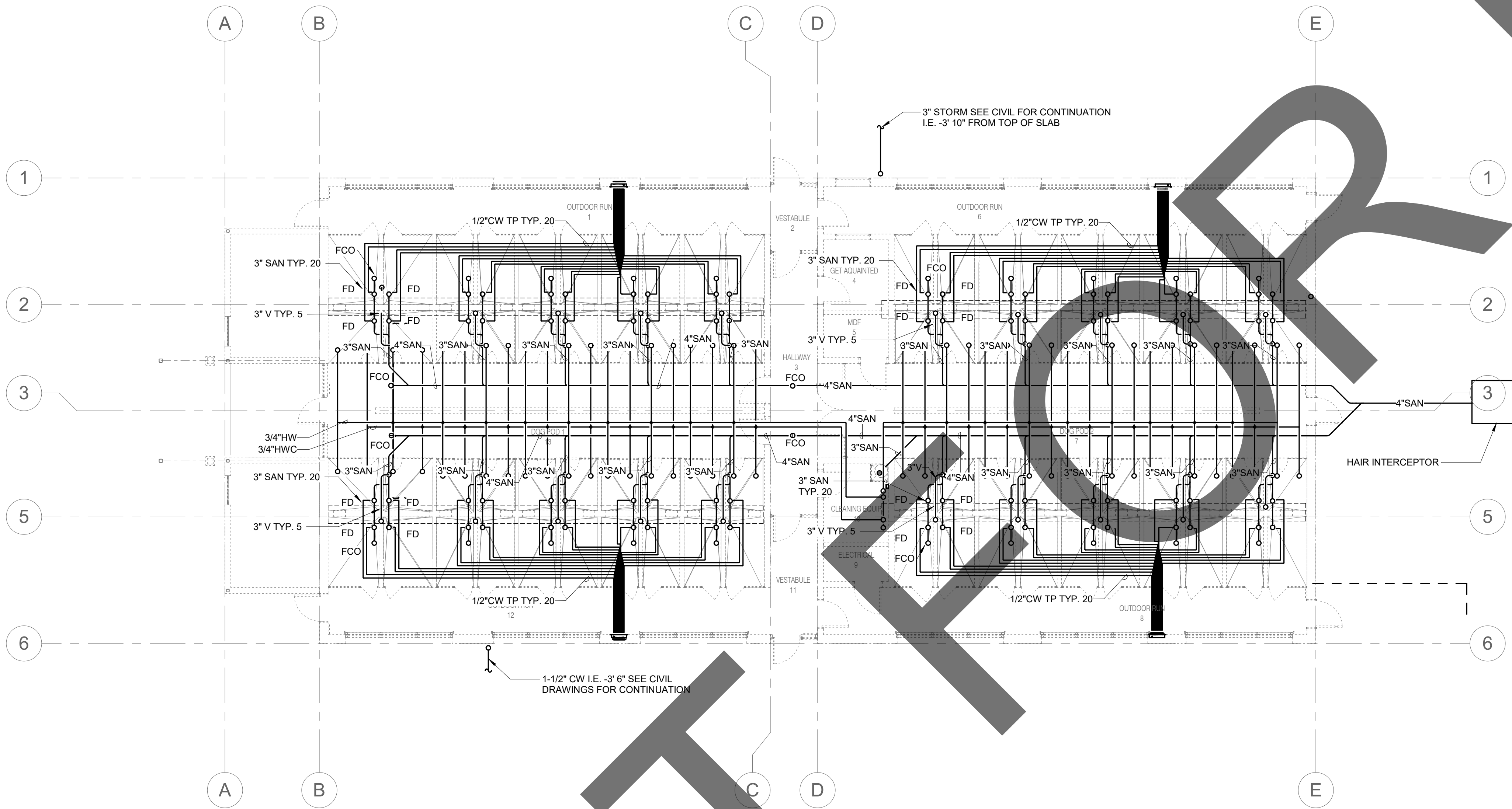
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REGISTERED PROFESSIONAL ENGINEER
DANIEL X. HUANG
No. M34080
Exp. June 30 2026
MECHANICAL
PE-103



1

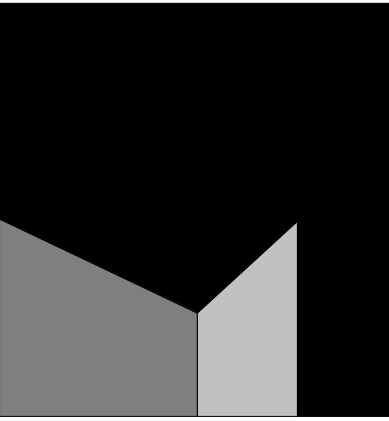
ADOPTION DOG BUILDING 2 PLUMBING UNDERFLOOR PLAN

1/8" = 1'-0"

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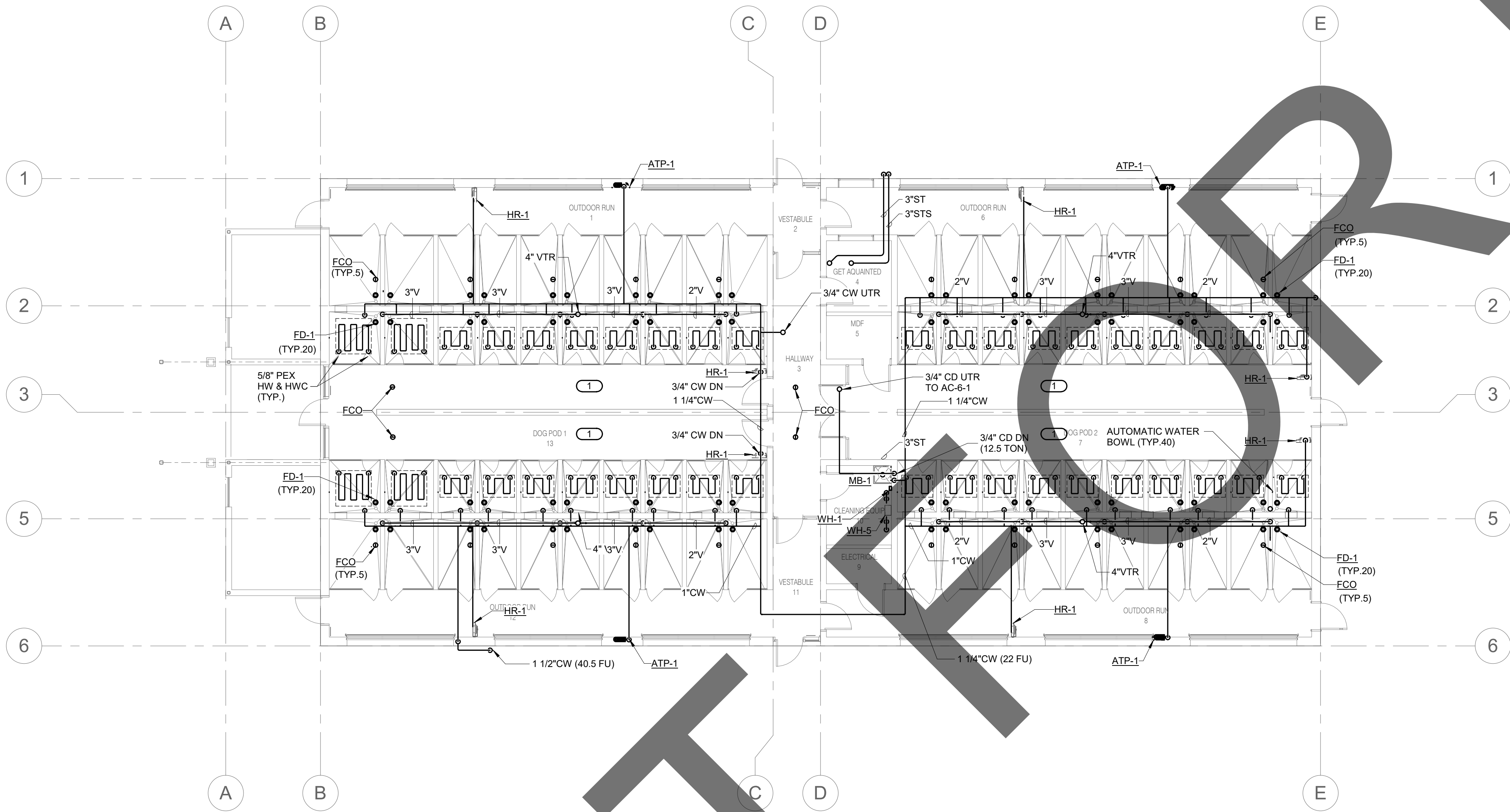
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ADOPTION DOG
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PLUMBING
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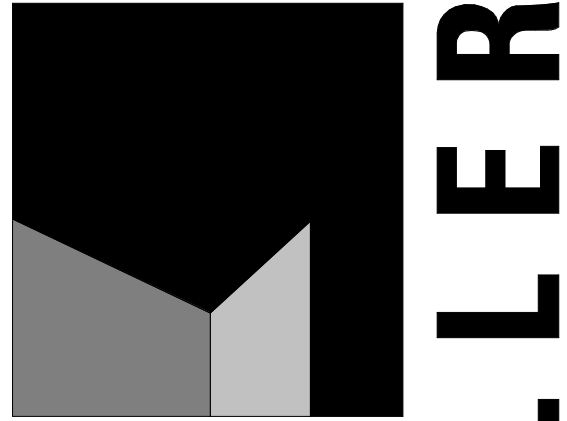
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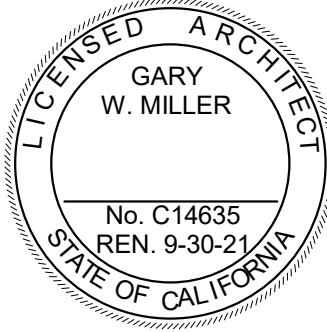
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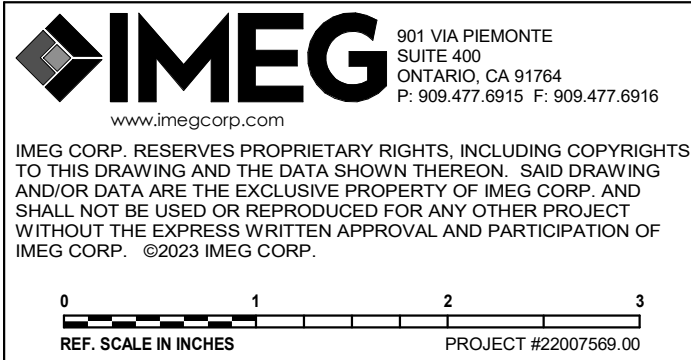
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ADOPTION DOG
BUILDING 2
PLUMBING FLOOR
PLAN

sheet number

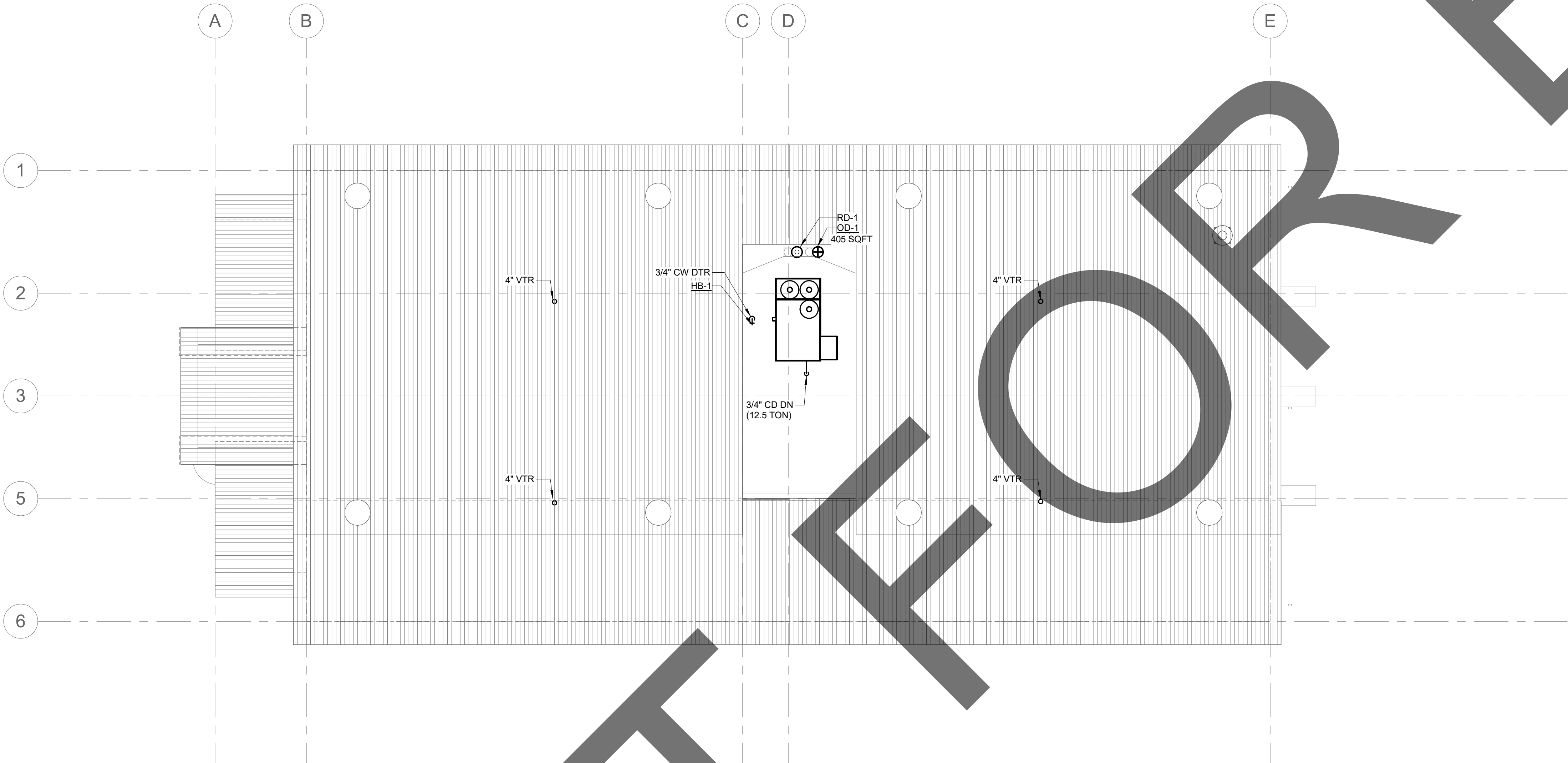
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ADOPTION DOG BUILDING 2 PLUMBING FLOOR PLAN

1/8" = 1'-0"




1

1/8" = 1'-0"


ADOPTION DOG BUILDING 2 PLUMBING ROOF PLAN

405 SQFT

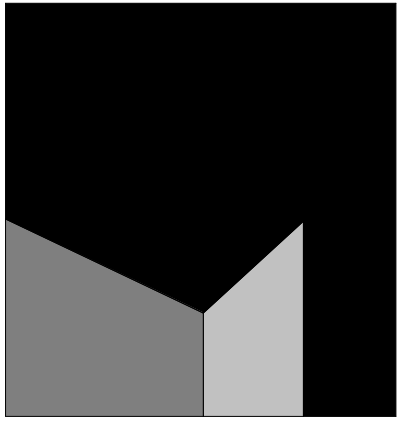
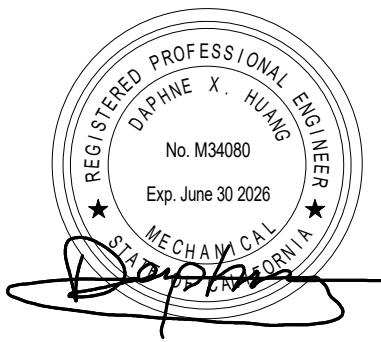


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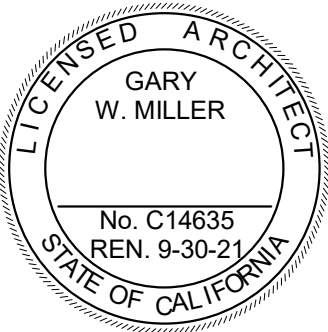


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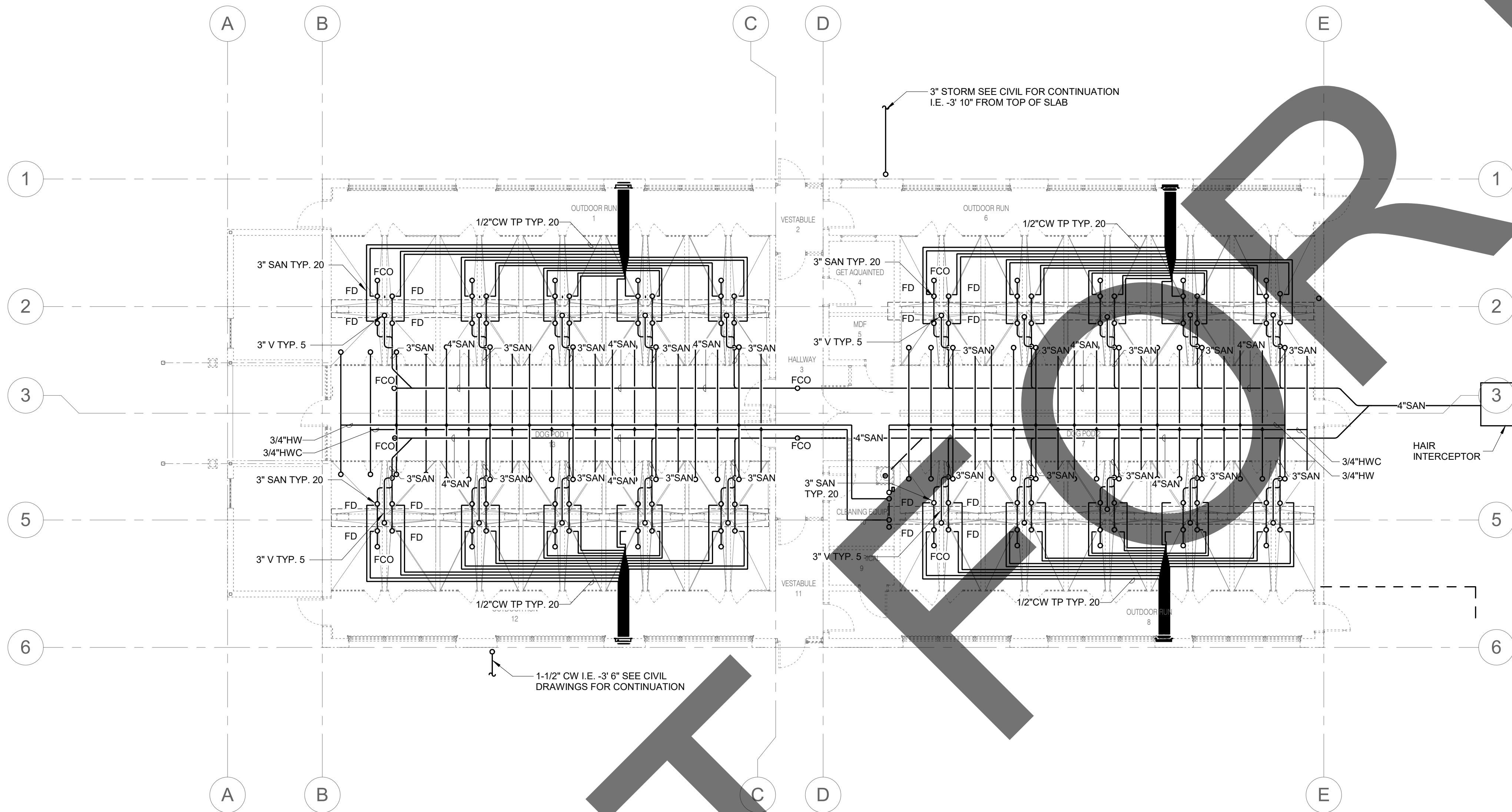
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Issue Date:	05/17/24

sheet name

ADOPTION DOG
BUILDING 2
PLUMBING ROOF
PLAN

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PF-103



ADOPTION DOG BUILDING 3 PLUMBING UNDERFLOOR PLAN

1/8" = 1'-0"

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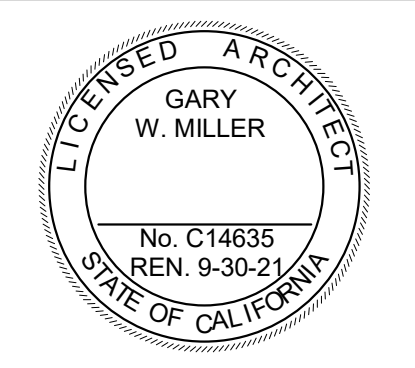
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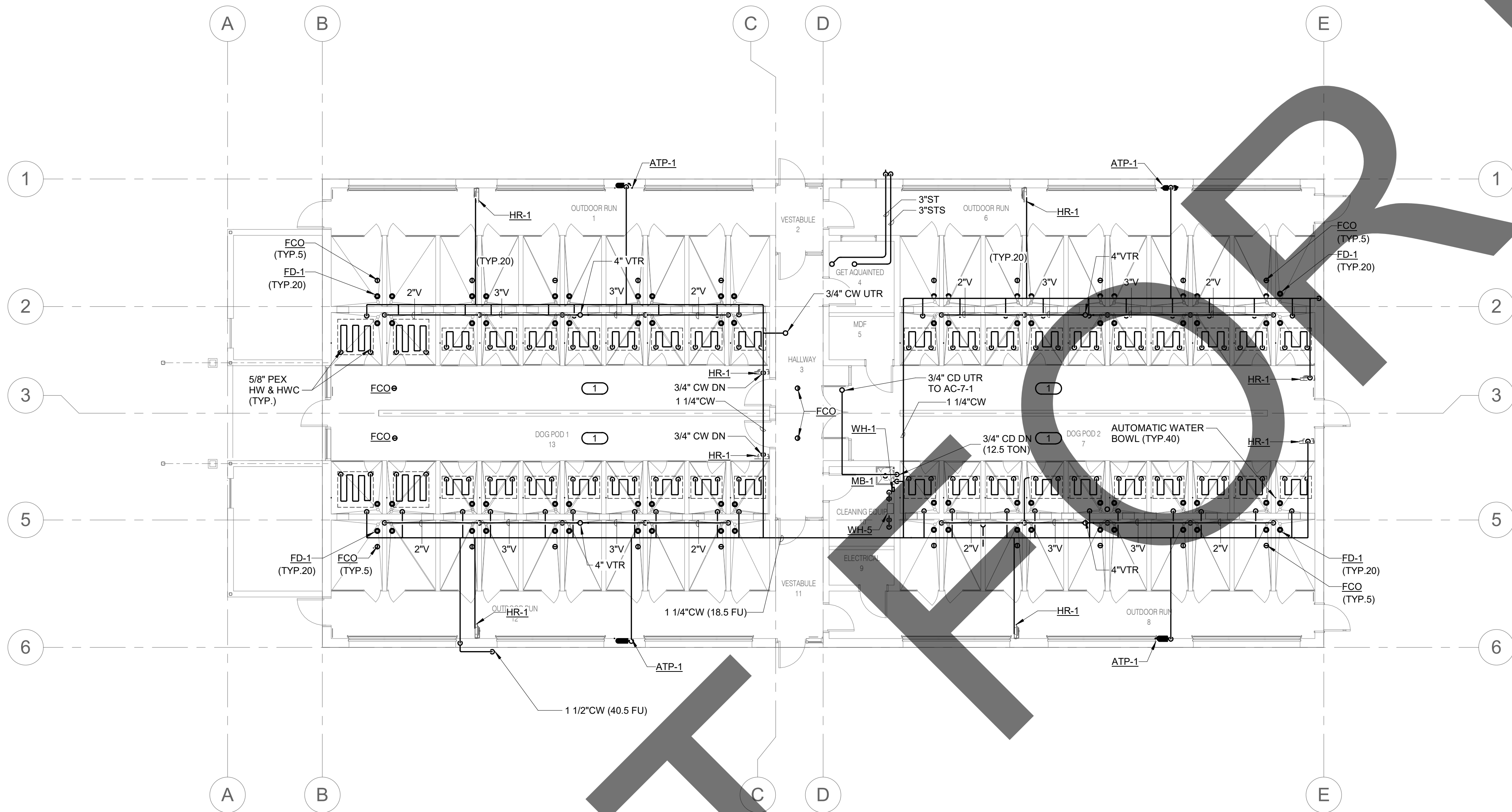
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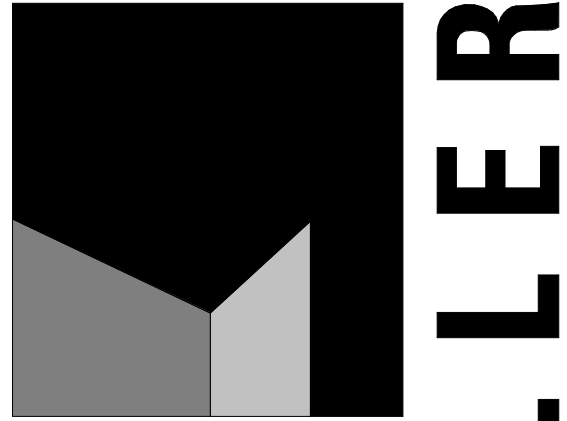
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Project Number:	1227
Drawn By:	JH
Checked By:	PS
Issue Date:	05/17/24

sheet name
ADOPTION DOG
BUILDING 3
PLUMBING
UNDERFLOOR PLAN

sheet number
PG-101



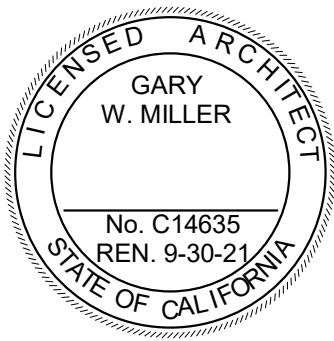
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project information

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

sheet name

ADOPTION DOG
BUILDING 3
PLUMBING FLOOR
PLAN

sheet number

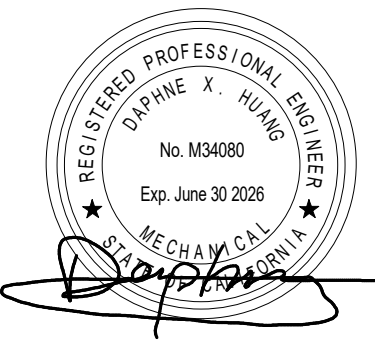
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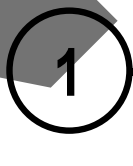
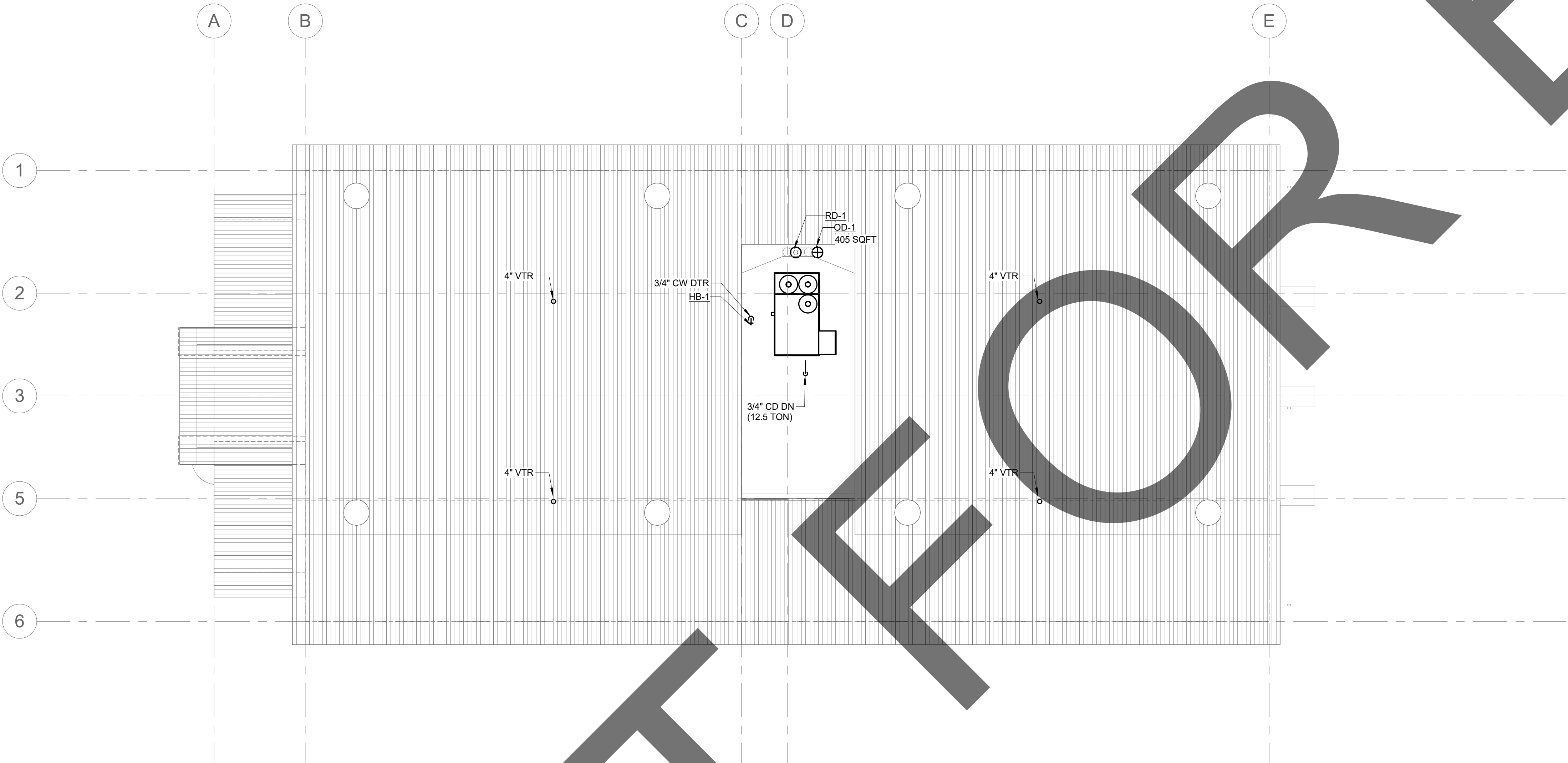
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ADOPTION DOG BUILDING 3 PLUMBING FLOOR PLAN


1/8" = 1'-0"



1/8" = 1'-0"

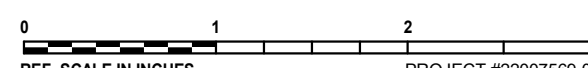
ADOPTION DOG BUILDING 3 PLUMBING ROOF PLAN

405 SQFT

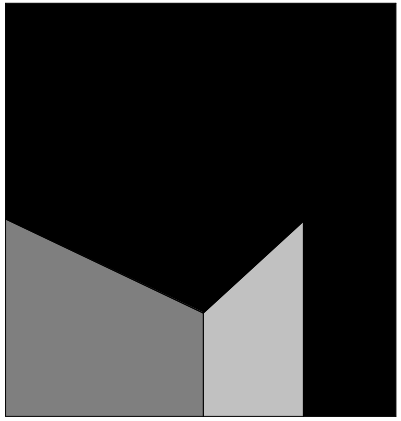


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SAN BERNARDINO COUNTY

project information

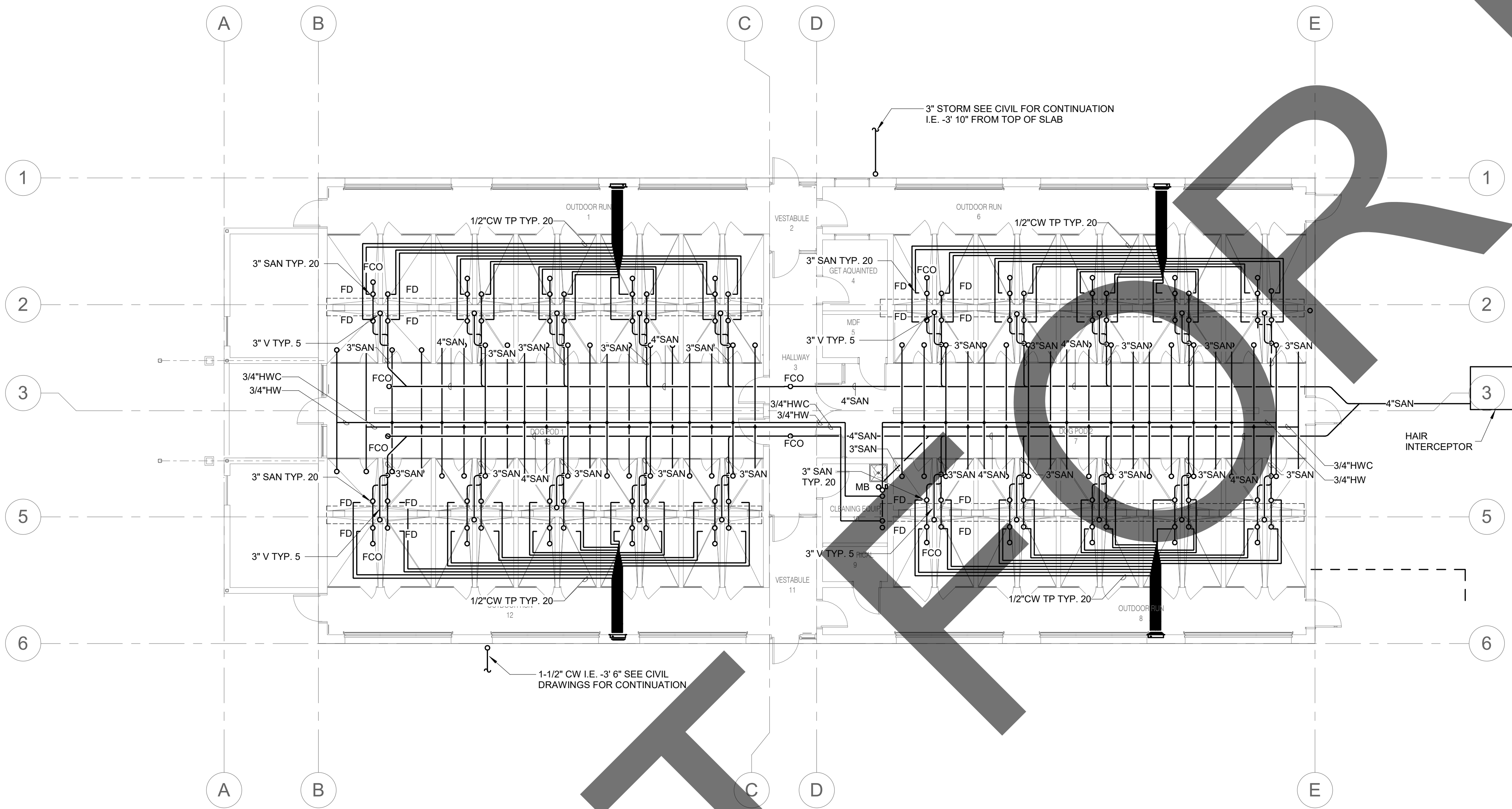
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Checked By:	PS
Issue Date:	05/17/24

sheet name

ADOPTION DOG
BUILDING 3
PLUMBING ROOF
PLAN

sheet number

PG-103



1

STRAY DOG BUILDING PLUMBING UNDERFLOOR PLAN

1/8" = 1'-0"

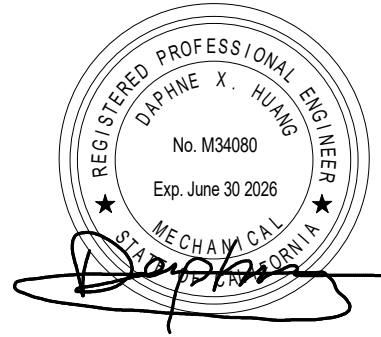
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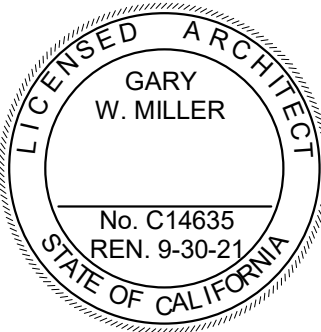
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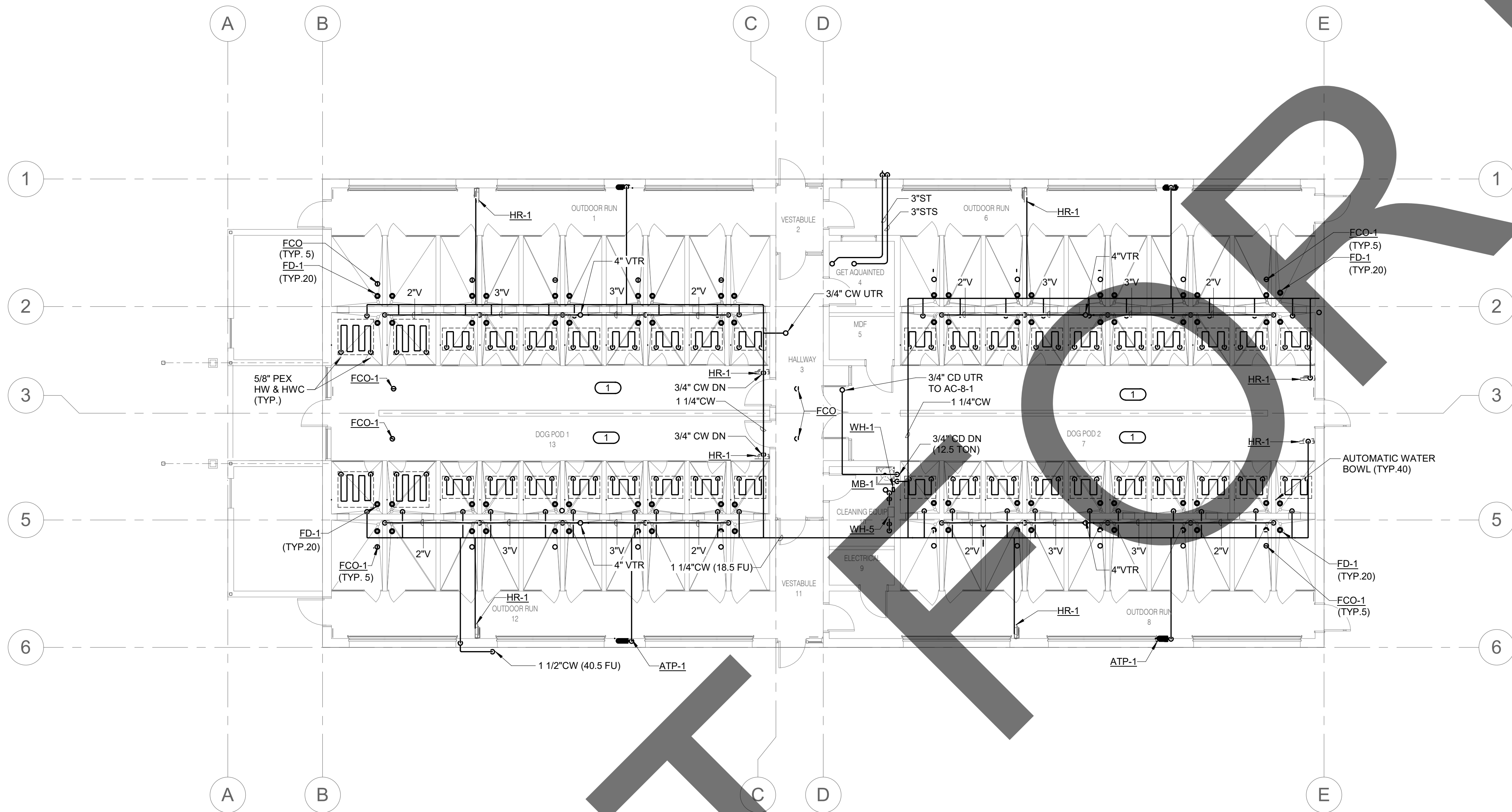
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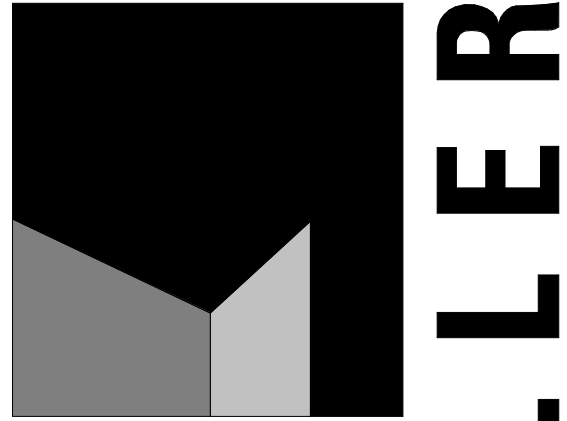
STRAY DOG
BUILDING PLUMBING
UNDERFLOOR PLAN

sheet number

PH-101



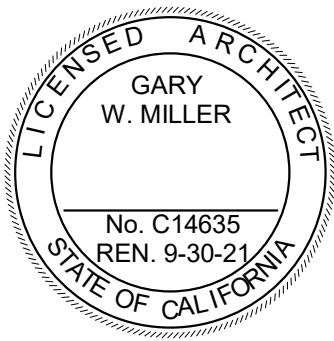
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Issue Date: 05/17/24

sheet name

STRAY DOG
BUILDING PLUMBING
FLOOR PLAN

sheet number

PH-102

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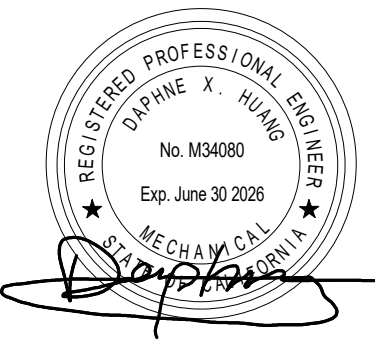
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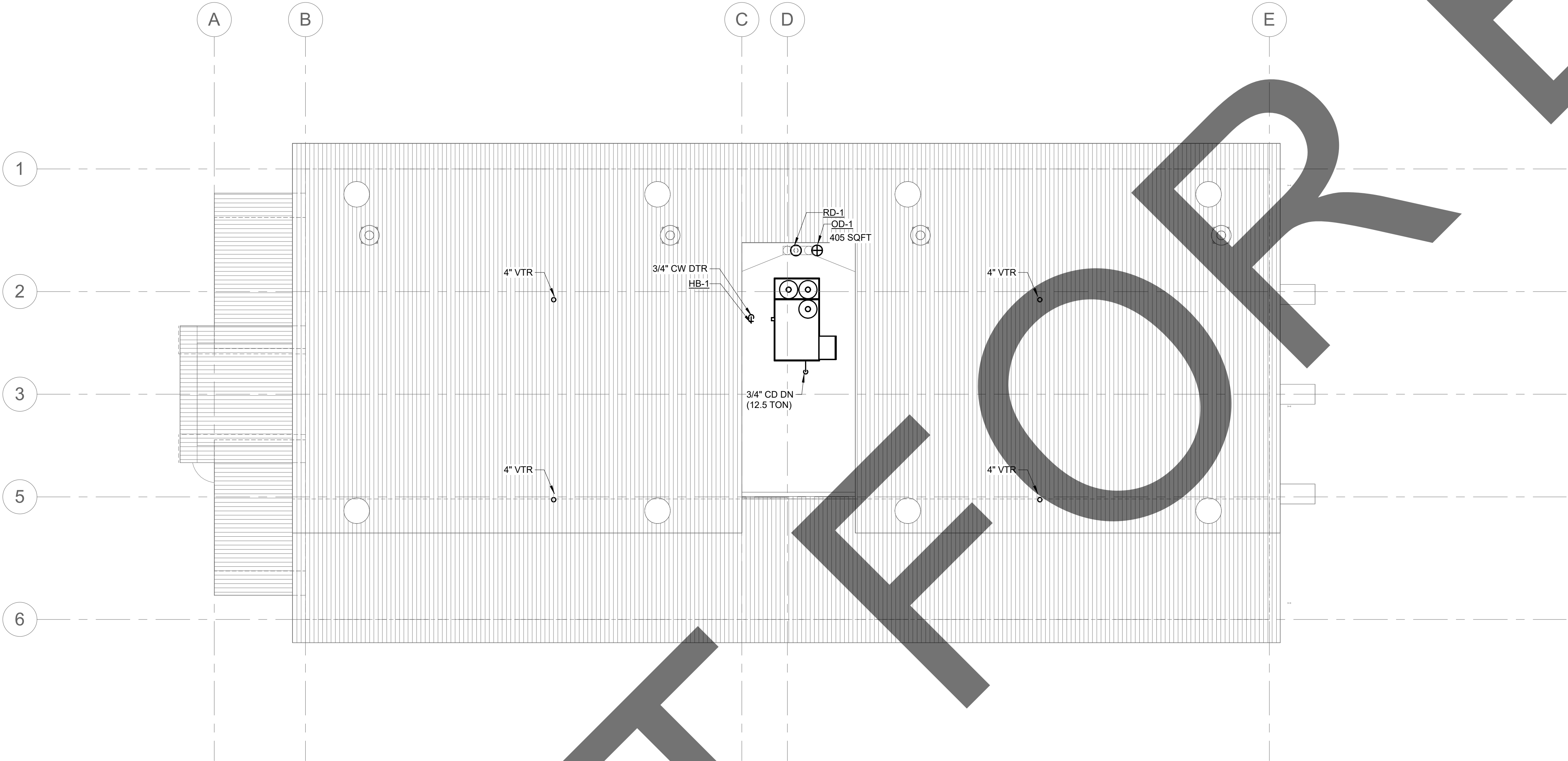
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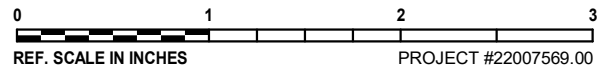






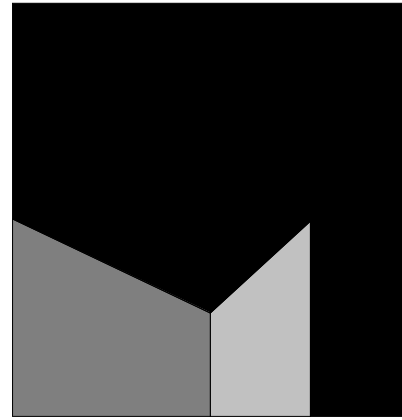
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Drawn By:	JH
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Issue Date:	05/17/24

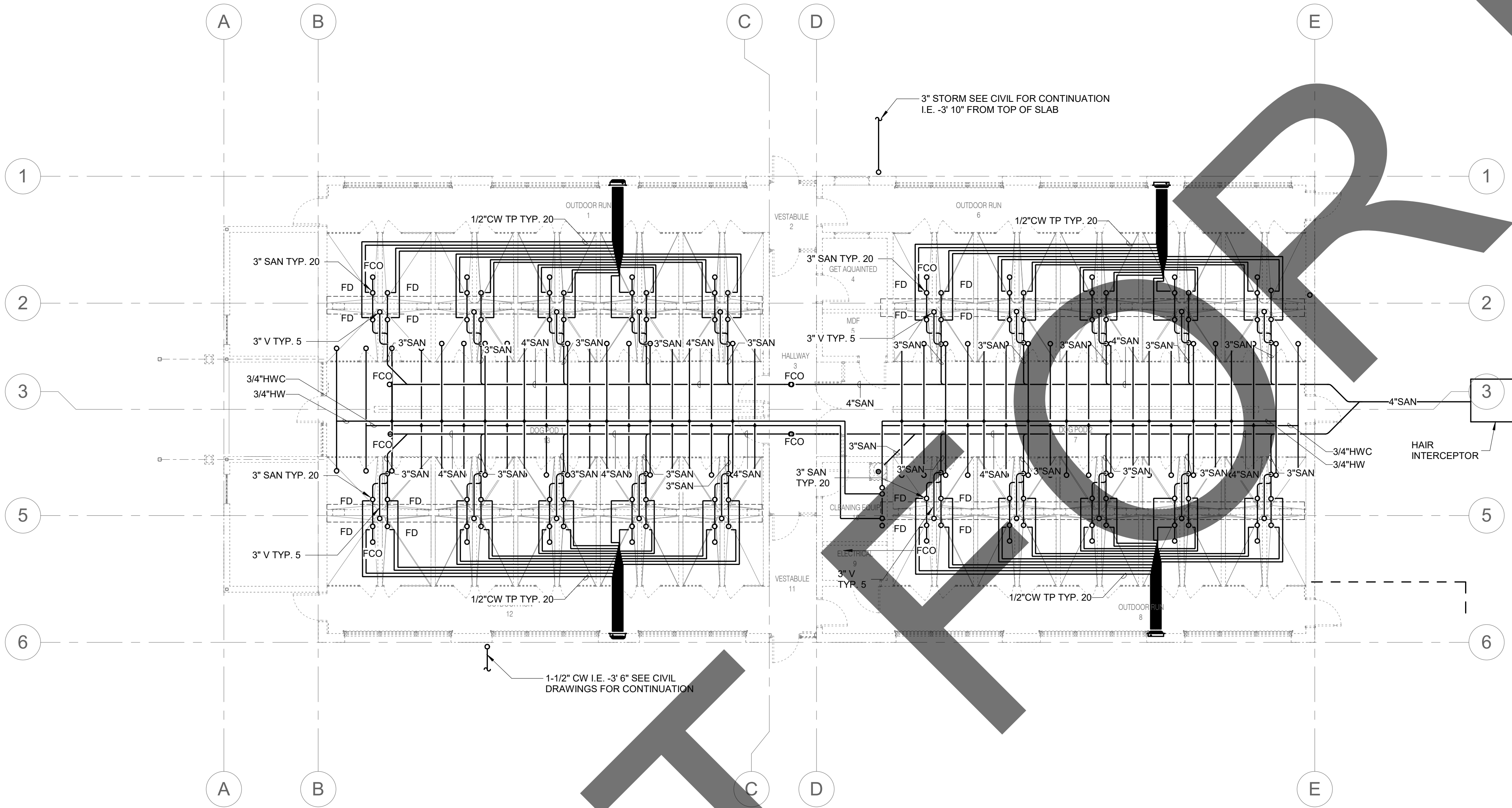
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STRAY DOG
BUILDING PLUMBING
ROOF PLAN

sheet number

PH-103


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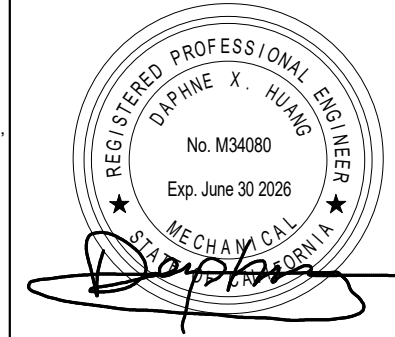
ADOPTION DOG BUILDING 4 PLUMBING UNDERFLOOR PLAN

1/8" = 1'-0"




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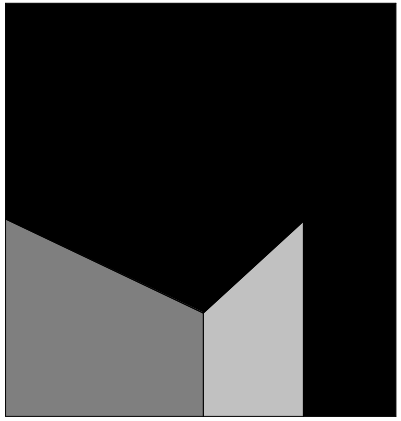
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REF. SCALE IN INCHES
PROJECT #22007569.00

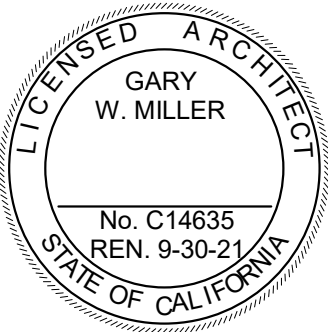


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owner approval

initials	date	phase

revisions/addenda

#	Date	Comment
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ANIMAL CARE CENTER

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

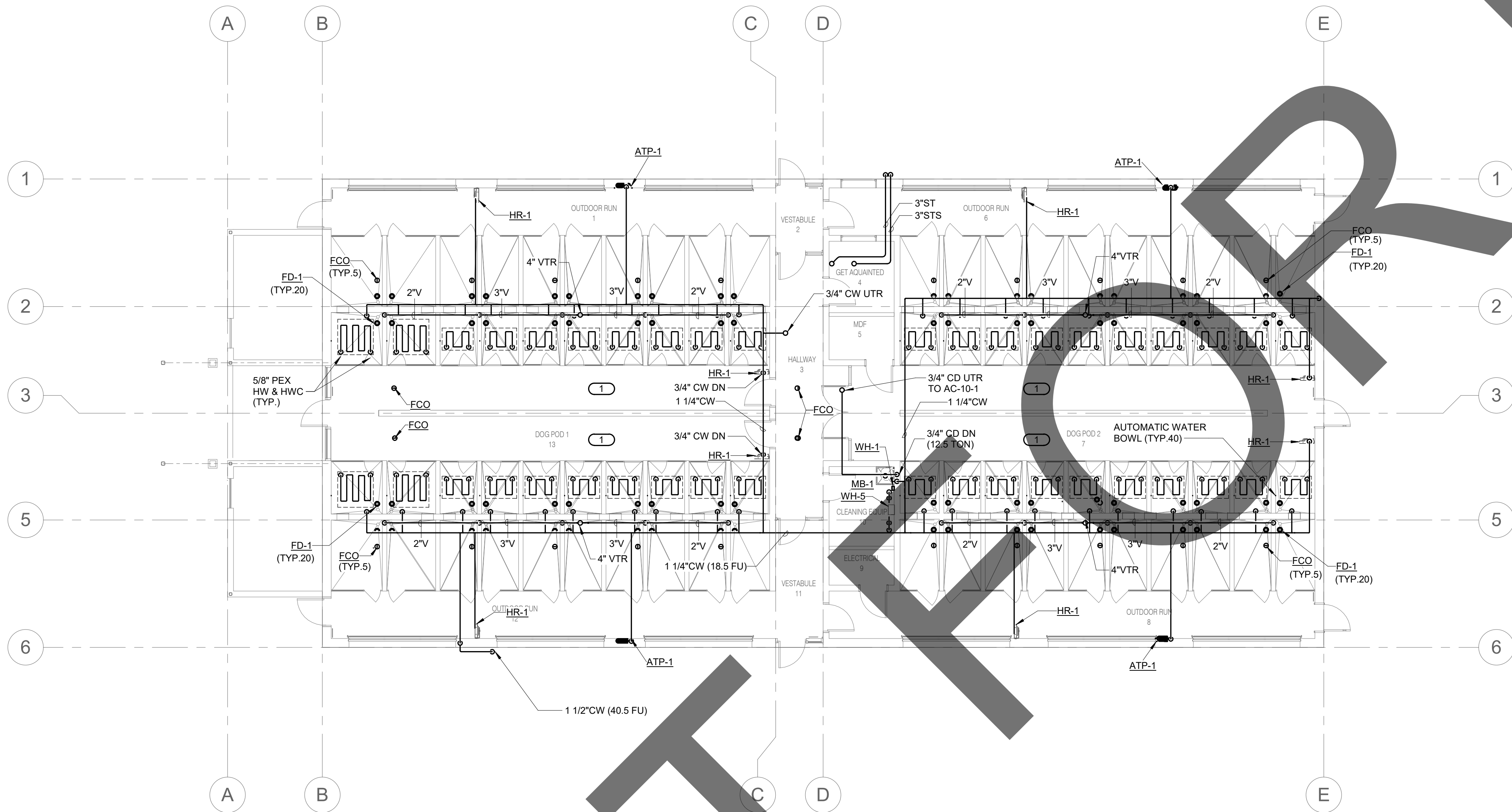
ADOPTION DOG
BUILDING 4
PLUMBING
UNDERFLOOR PLAN

sheet number

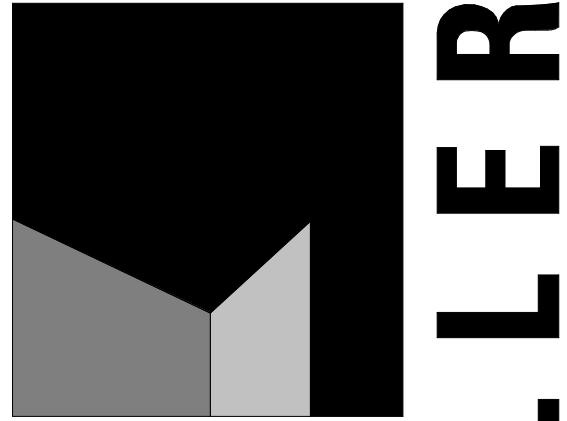
PH.1-101

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



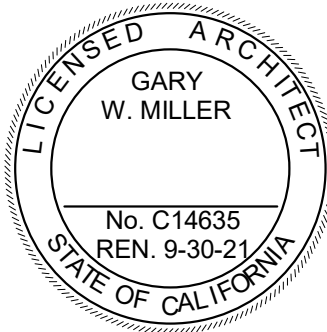
- KEY NOTES
1. ALL ADOPTION BUILDINGS AND STRAY DOG BUILDINGS HAVE TYPICAL PLUMBING LAYOUTS TO ADOPTION DOG BUILDING.
 2. ALL KENNELS SHALL RECEIVE CW CONNECTION FOR AUTOMATIC WATERING BOWLS.



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

sheet name

ADOPTION DOG
BUILDING 4
PLUMBING FLOOR
PLAN

sheet number

PH.1-102

Sheet Of Sheets



1

ADOPTION DOG BUILDING 4 PLUMBING FLOOR PLAN

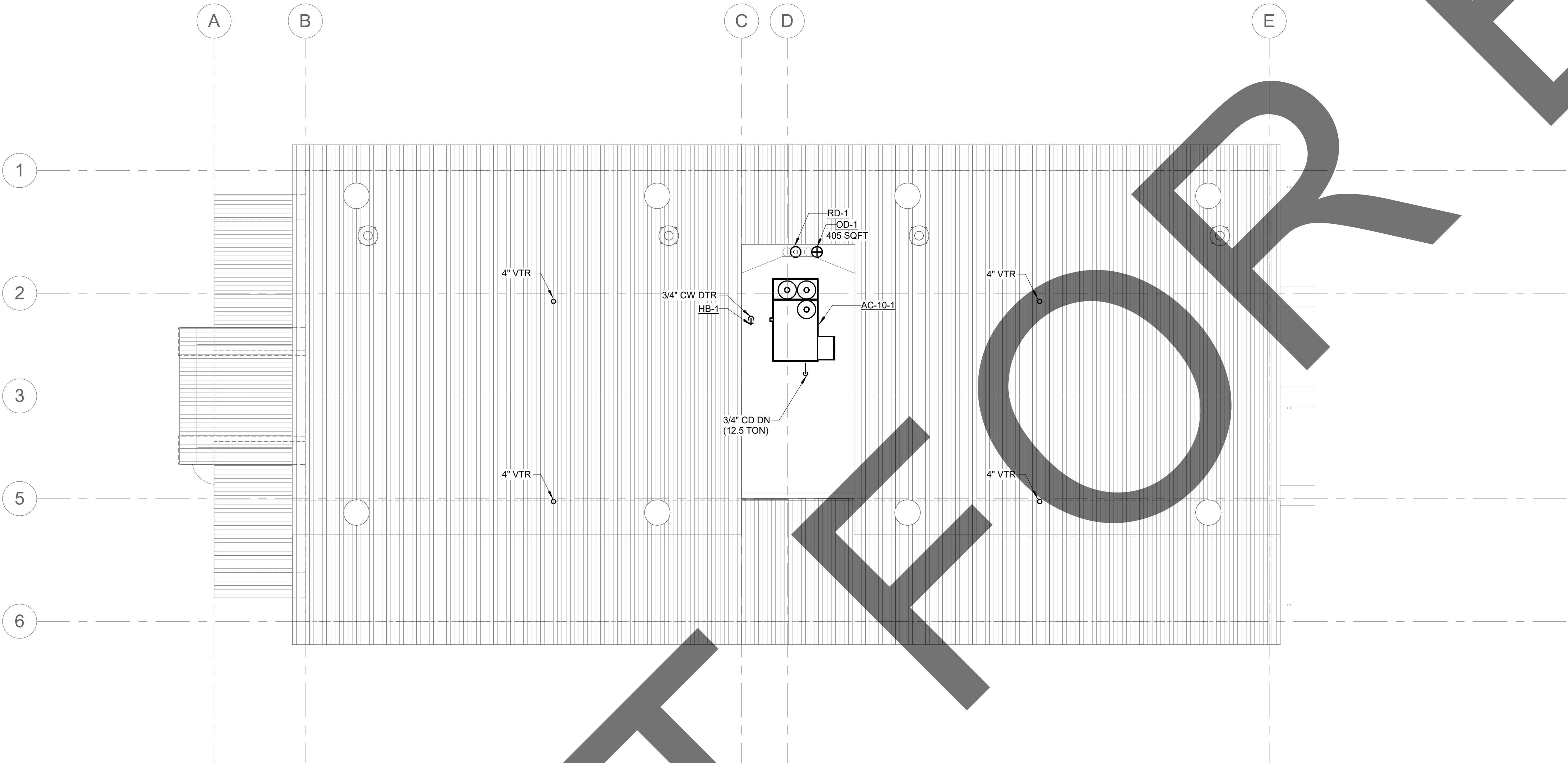
1/8" = 1'-0"

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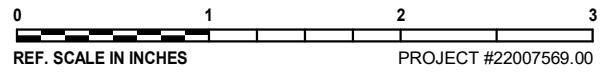
ADOPTION DOG BUILDING 4 PLUMBING ROOF PLAN

1/8" = 1'-0"

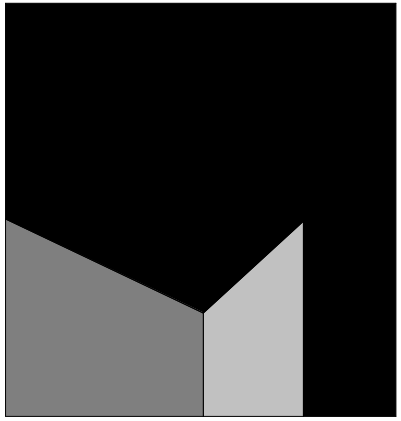


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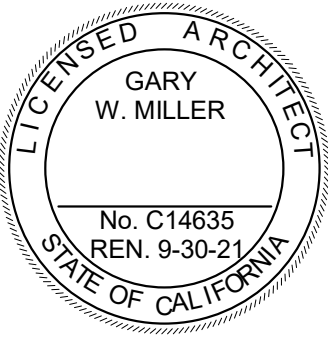


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revisions/addenda

#	Date	Comment
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SAN BERNARDINO COUNTY

project information

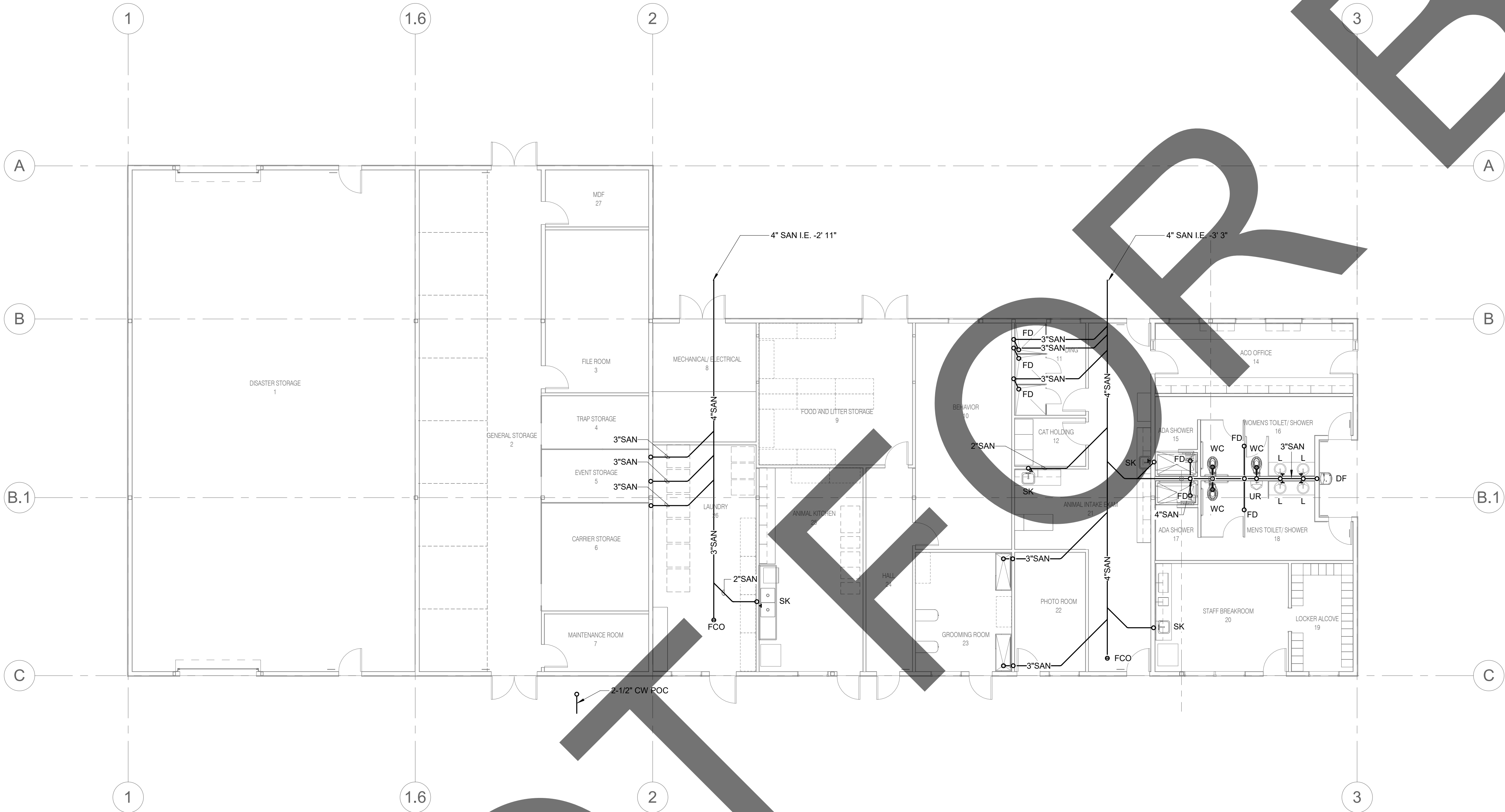
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Drawn By:	JH
Checked By:	PS
Issue Date:	05/17/24

sheet name

ADOPTION DOG
BUILDING 4
PLUMBING ROOF
PLAN

sheet number


PH.1-103



1


SUPPORT BUILDING PLUMBING UNDERFLOOR PLAN

1/8" = 1'-0"

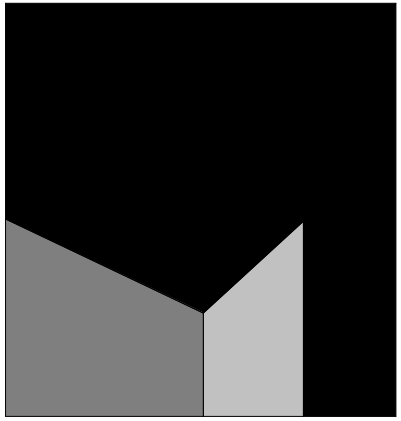


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project information

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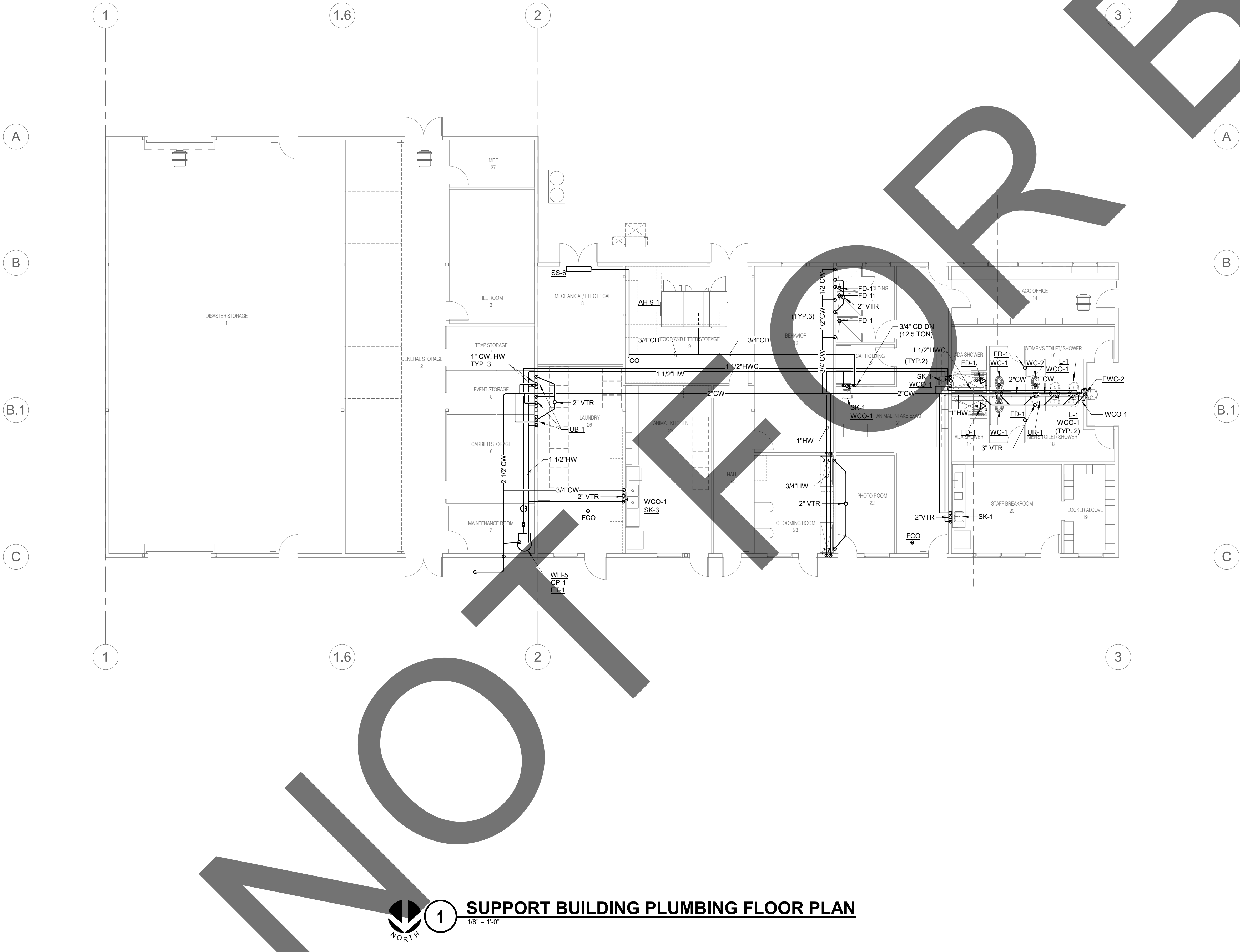
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SUPPORT BUILDING
PLUMBING
UNDERFLOOR PLAN

sheet number

PI-101

Sheet Of Sheets



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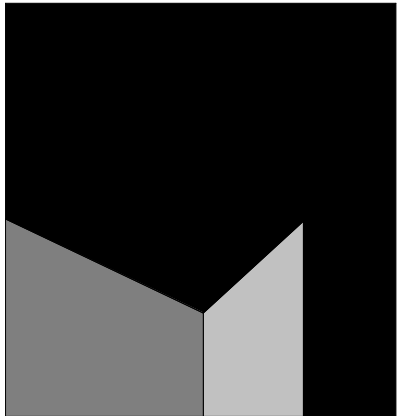
SUPPORT BUILDING PLUMBING FLOOR PLAN

1/8" = 1'-0"

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PROJECT #22007569.00

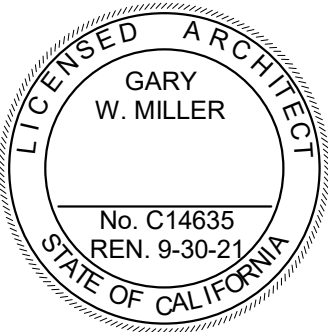


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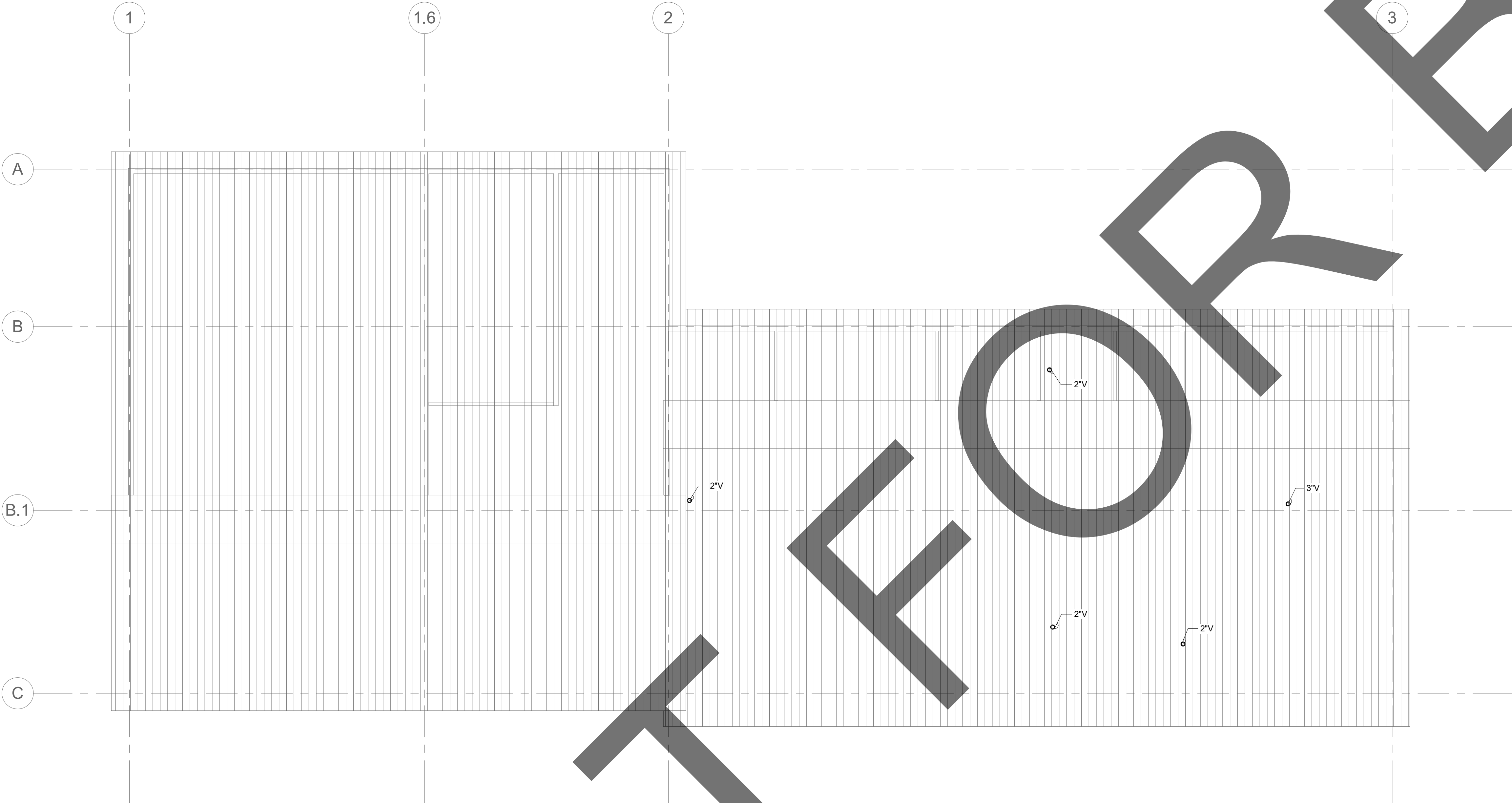
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SUPPORT BUILDING
PLUMBING FLOOR
PLAN

sheet number

PI-102


Sheet Of Sheets



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SUPPORT BUILDING PLUMBING ROOF PLAN

1/8" = 1'-0"

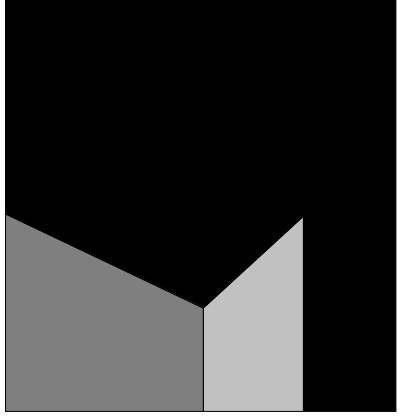


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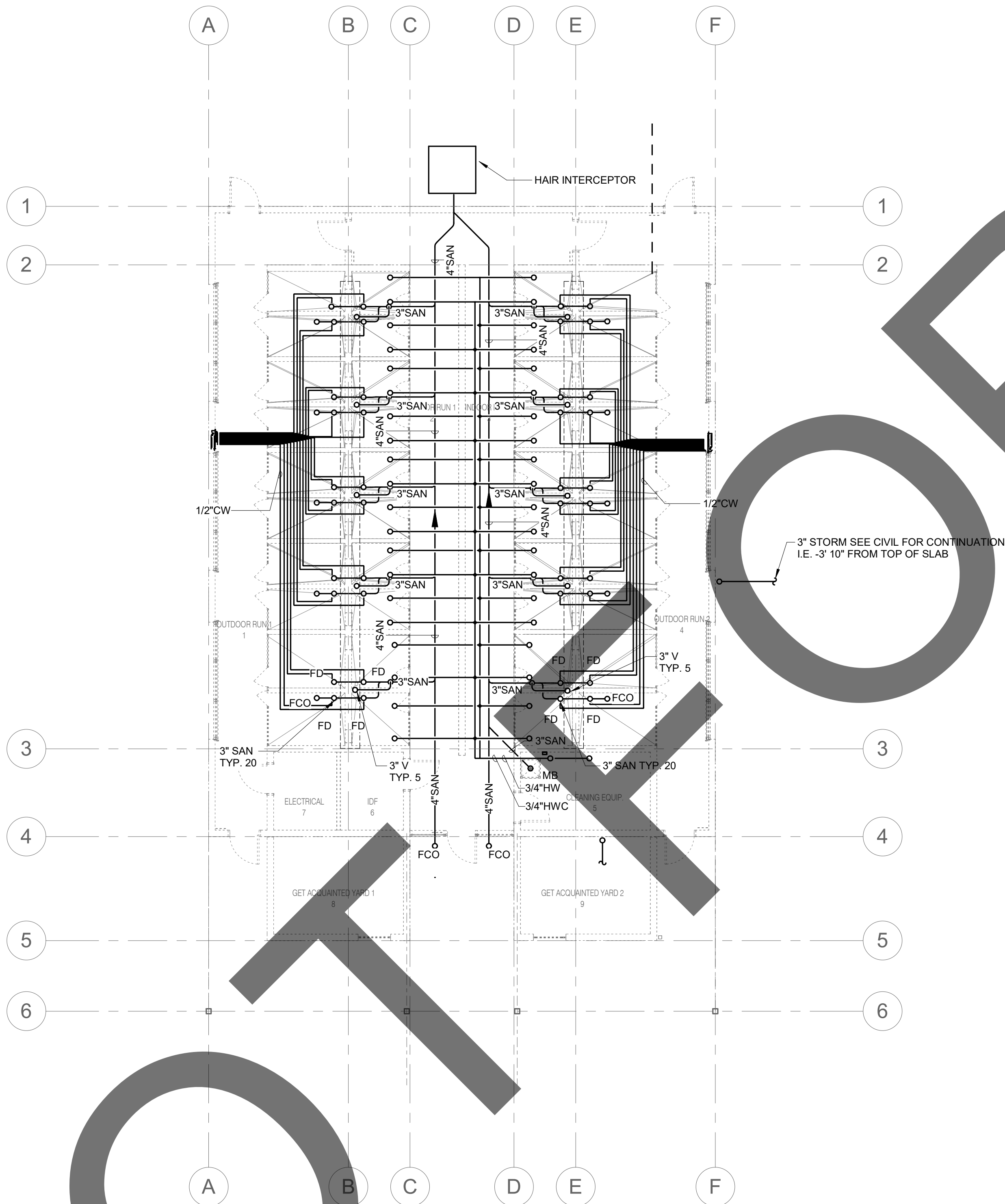
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Drawn By:	JH
Checked By:	PS
Issue Date:	05/17/24

sheet name

SUPPORT BUILDING
PLUMBING ROOF
PLAN

sheet number

PI-103



1

1/8" = 1'-0"

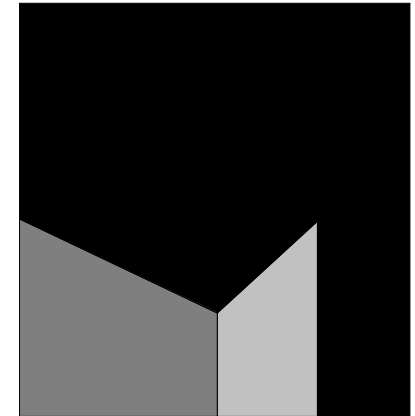
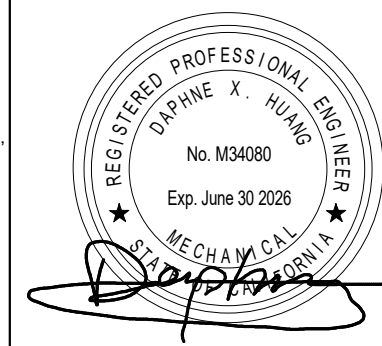
ADOPTION DOG BUILDING 5 PLUMBING UNDERFLOOR PLAN



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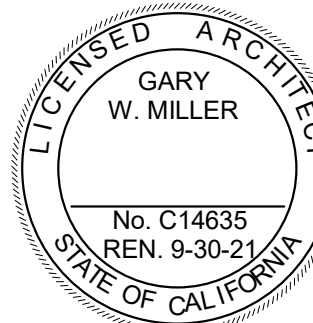


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Issue Date: 05/17/24

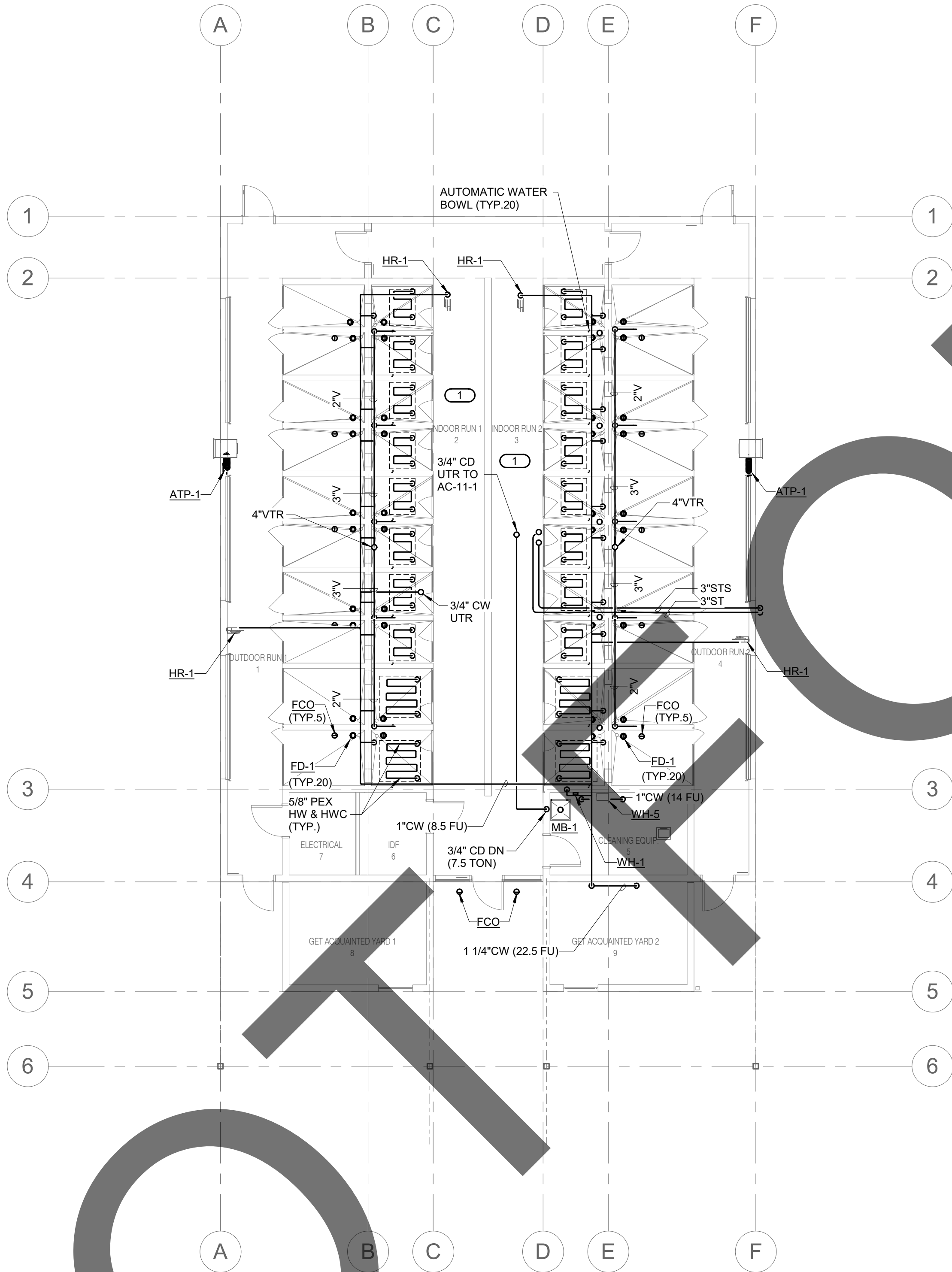
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ADOPTION DOG
BUILDING 5
PLUMBING
UNDERFLOOR PLAN

sheet number

PJ-101

Sheet Of Sheets



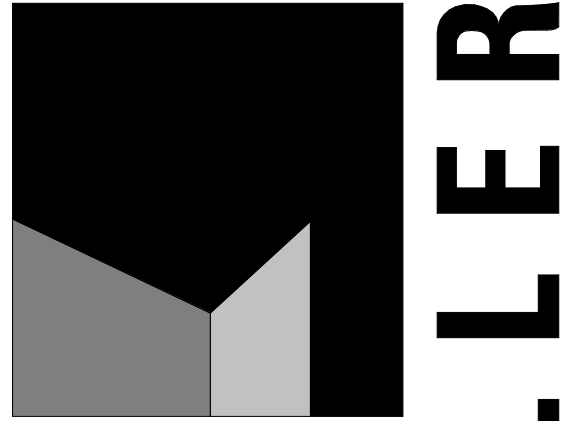
ADOPTION DOG BUILDING 5 PLUMBING FLOOR PLAN
NO SCALE

- KEY NOTES
1. ALL ADOPTION BUILDINGS AND STRAY DOG BUILDINGS HAVE TYPICAL PLUMBING LAYOUTS TO ADOPTION DOG BUILDING.
 2. ALL KENNELS SHALL RECEIVE CW CONNECTION FOR AUTOMATIC WATERING BOWLS.

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revisions/addenda

#	Date	Comment
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project information

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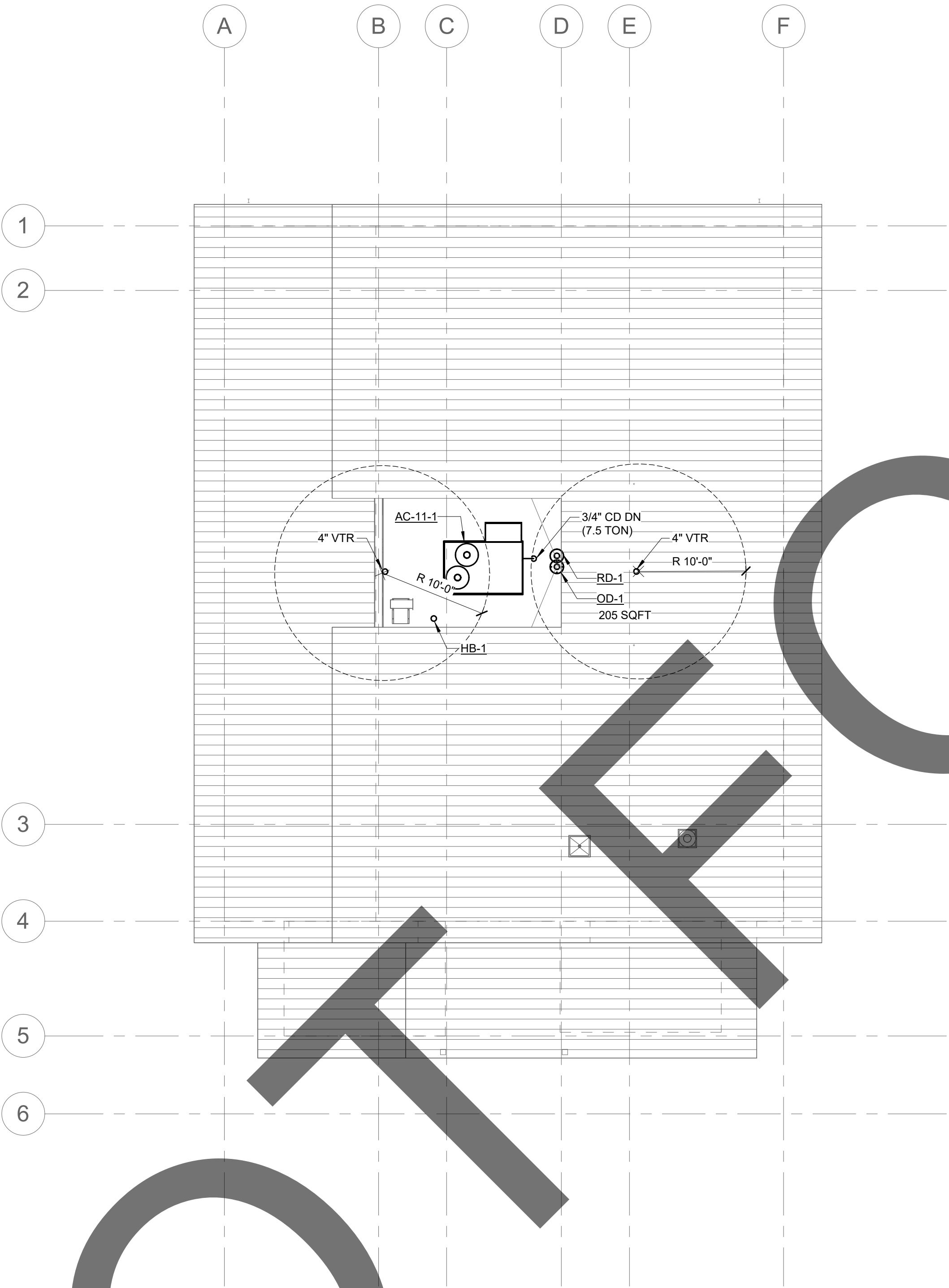
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ADOPTION DOG
BUILDING 5
PLUMBING FLOOR
PLAN

sheet number

PJ-102


Sheet Of Sheets



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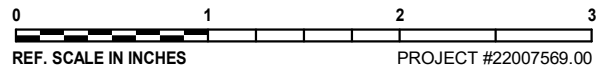
ADOPTION DOG BUILDING 5 PLUMBING ROOF PLAN

1/8" = 1'-0"

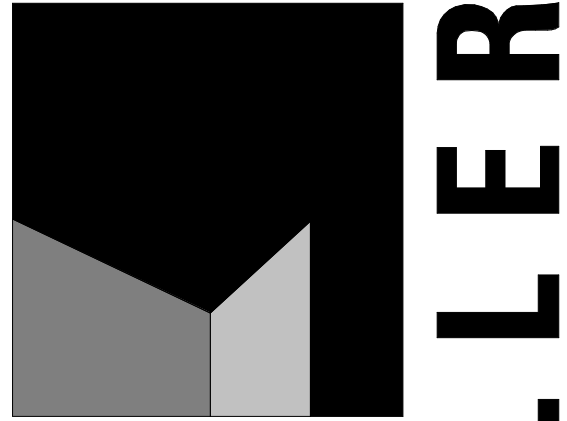
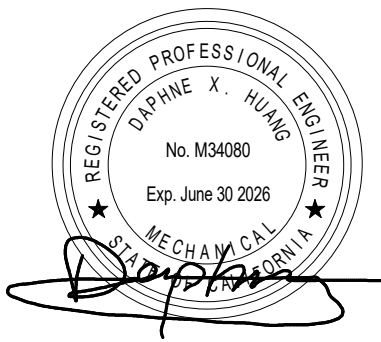


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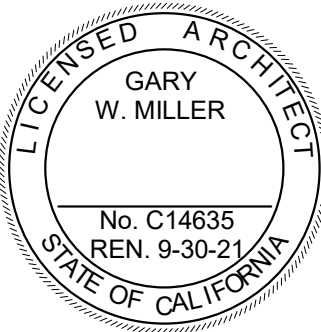


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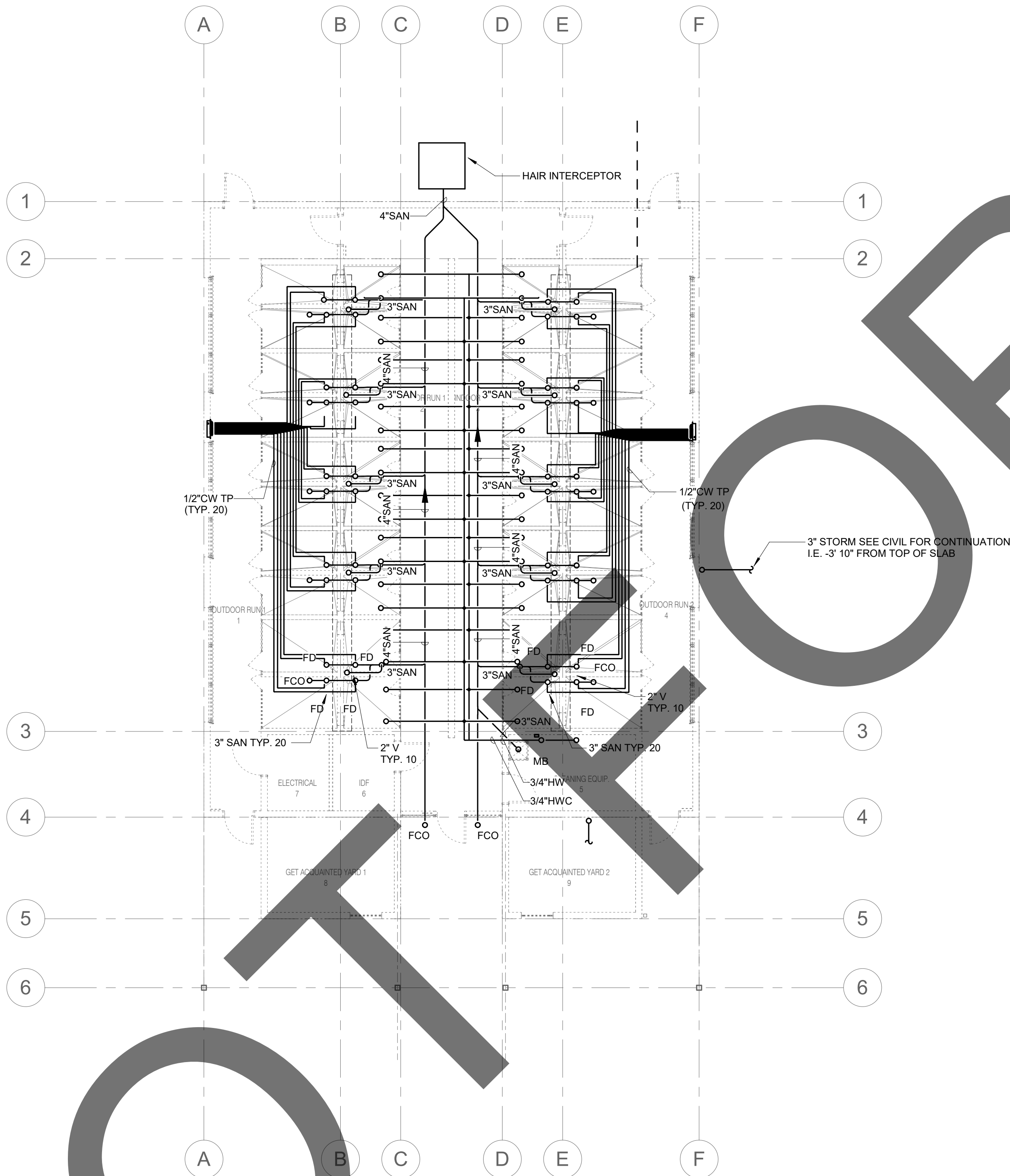
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ADOPTION DOG
BUILDING 5
PLUMBING ROOF
PLAN

sheet number

PJ-103

Sheet Of Sheets



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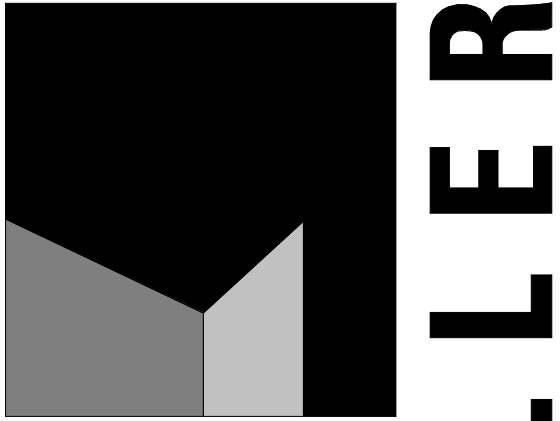
ADOPTION DOG BUILDING 6 PLUMBING UNDERFLOOR PLAN

1/8" = 1'-0"

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#	Date	Comment
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project information

Project Number: 1227
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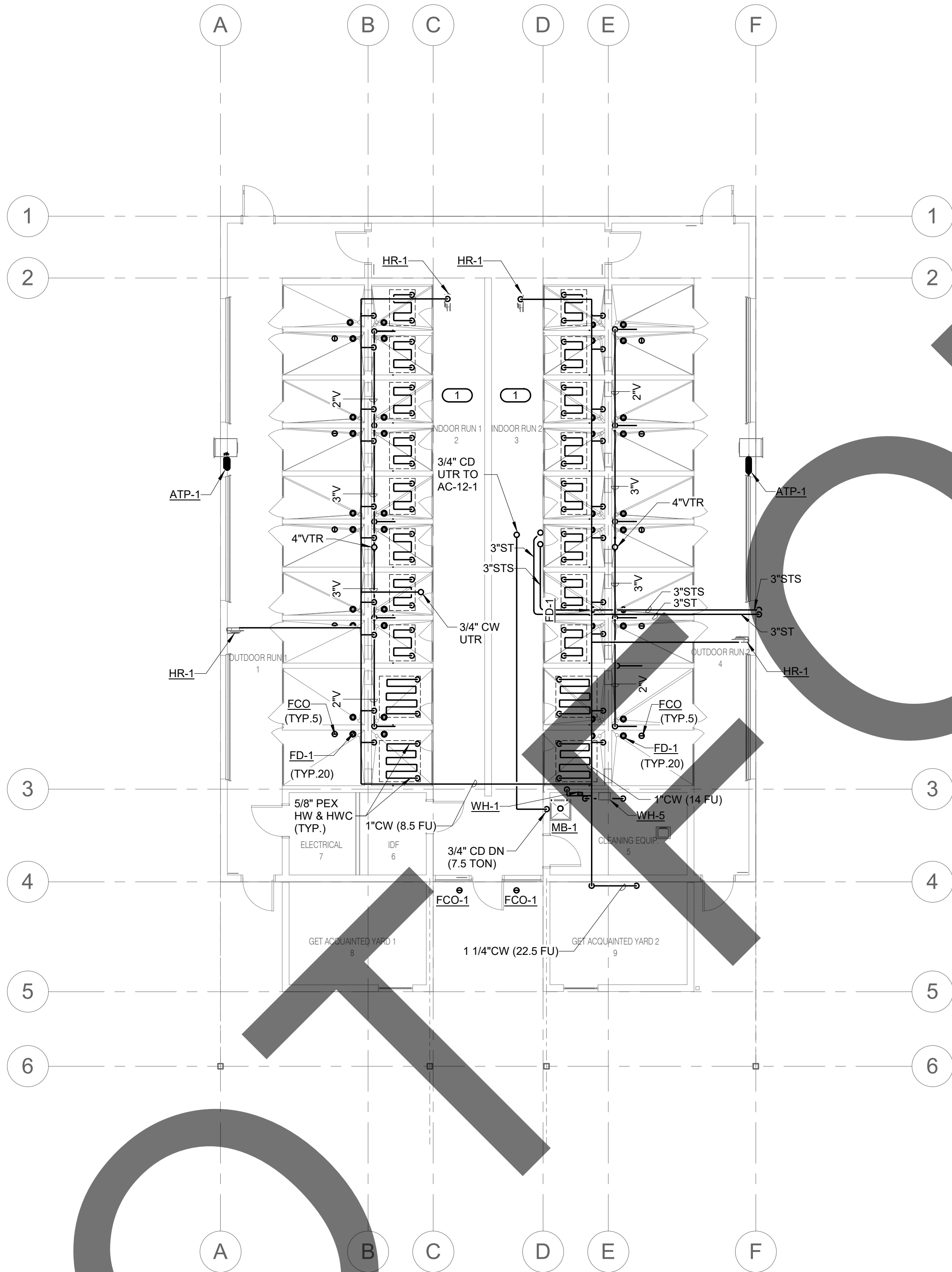
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ADOPTION DOG
BUILDING 6
PLUMBING
UNDERFLOOR PLAN

sheet number

PK-101

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ADOPTION DOG BUILDING 6 PLUMBING FLOOR PLAN
NO SCALE

- KEY NOTES
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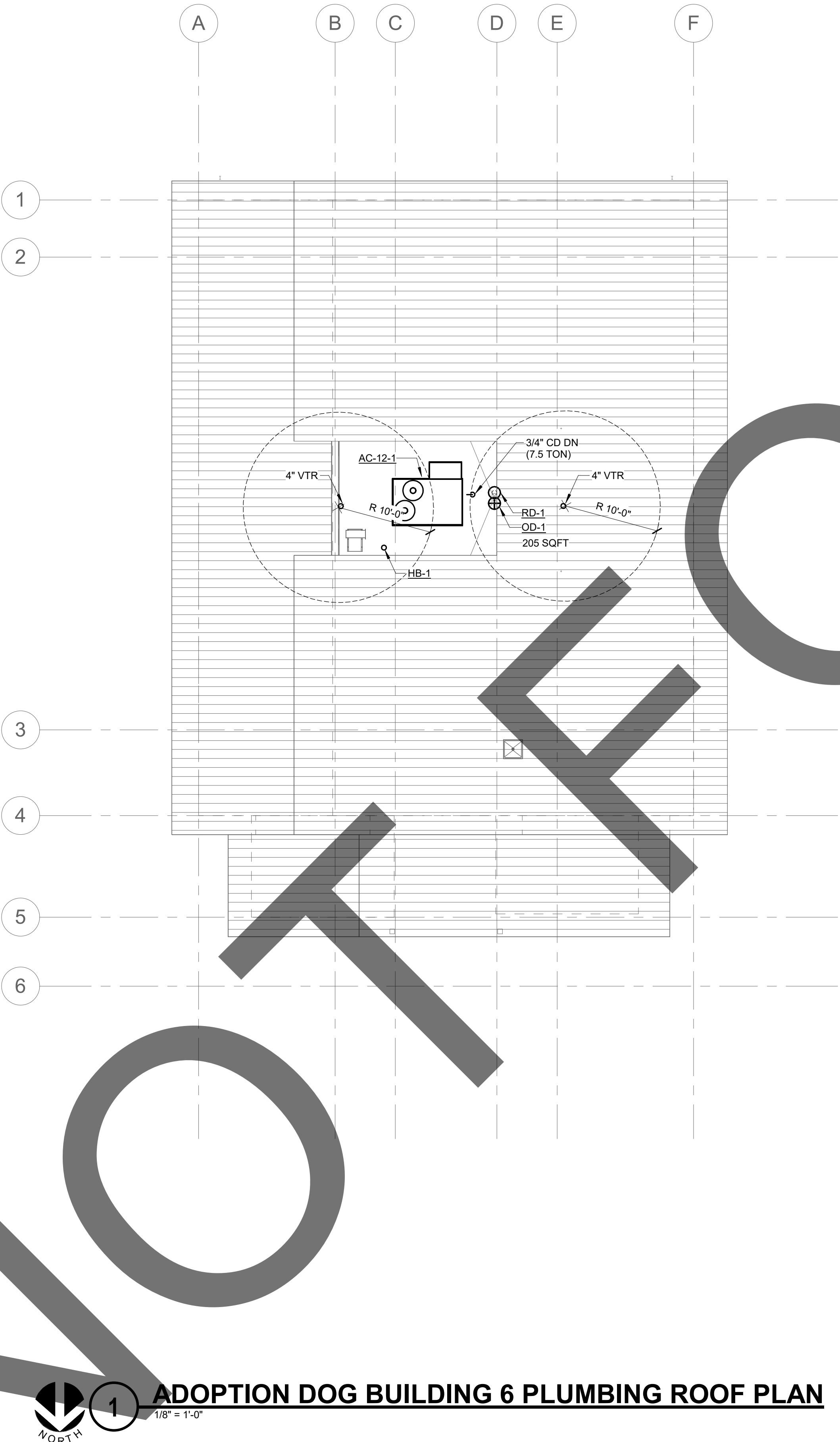
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SAN BERNARDINO COUNTY

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

sheet name
ADOPTION DOG
BUILDING 6
PLUMBING FLOOR
PLAN


sheet number
PK-102



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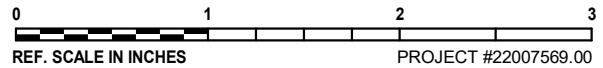
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ADOPTION DOG BUILDING 6 PLUMBING ROOF PLAN

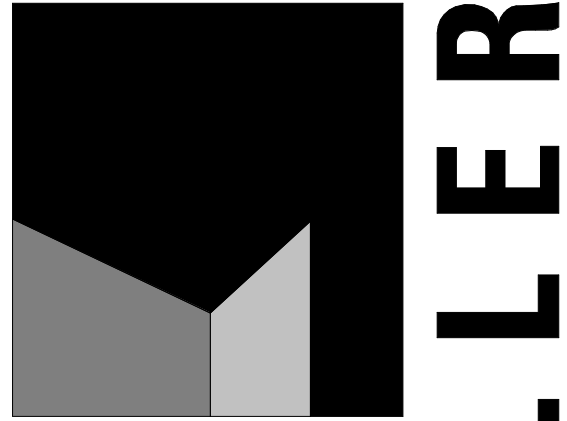


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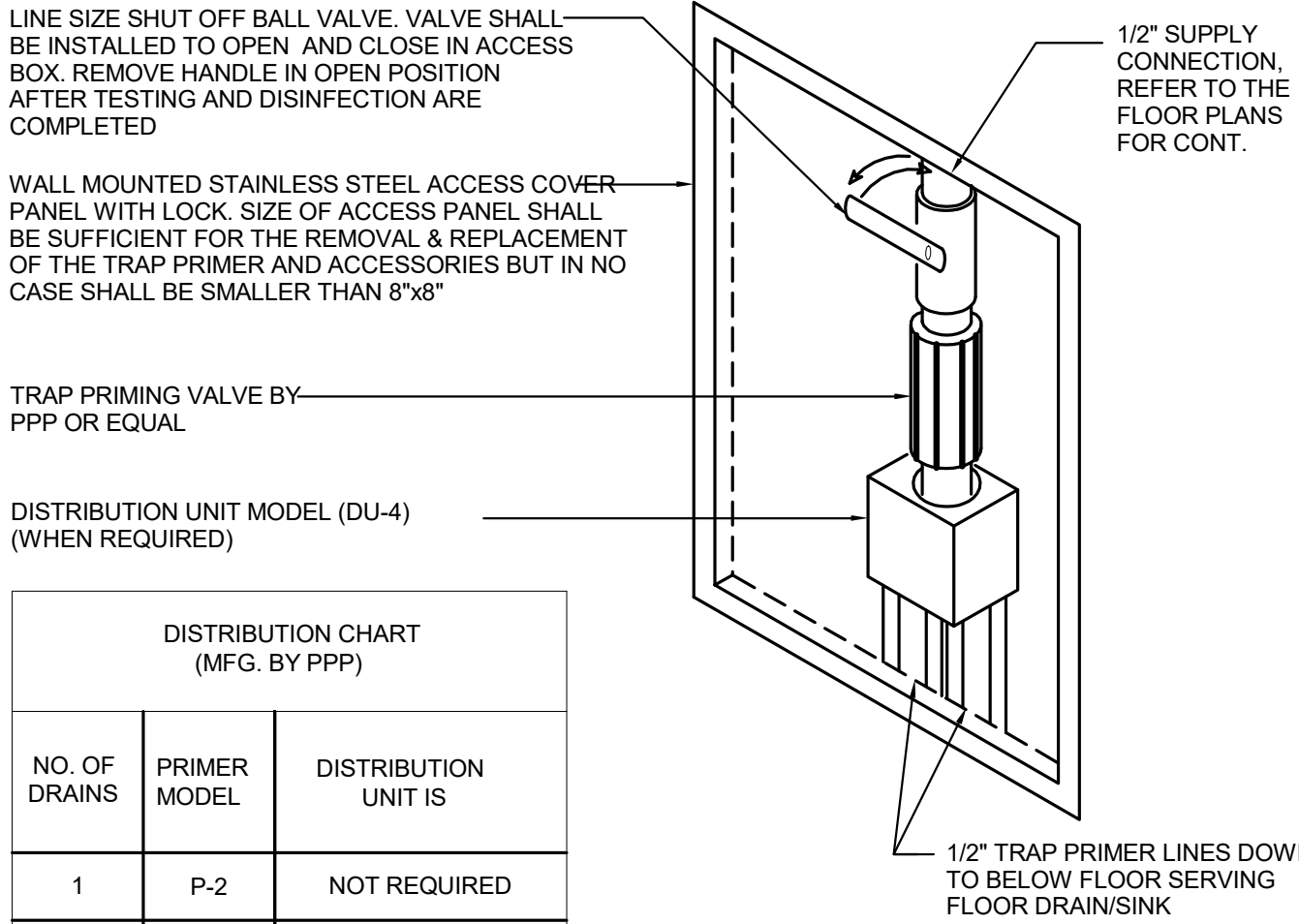
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ADOPTION DOG
BUILDING 6
PLUMBING ROOF
PLAN

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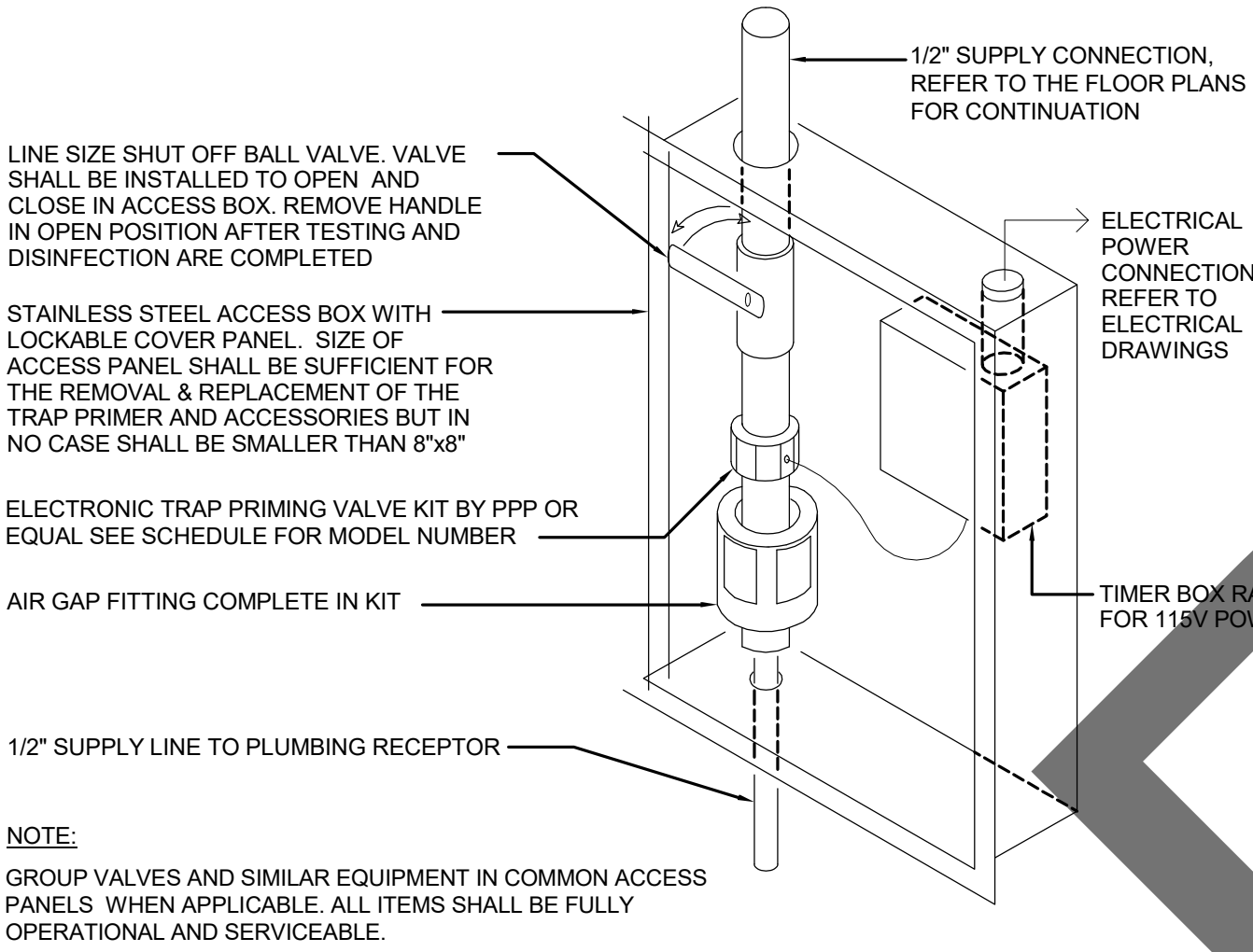
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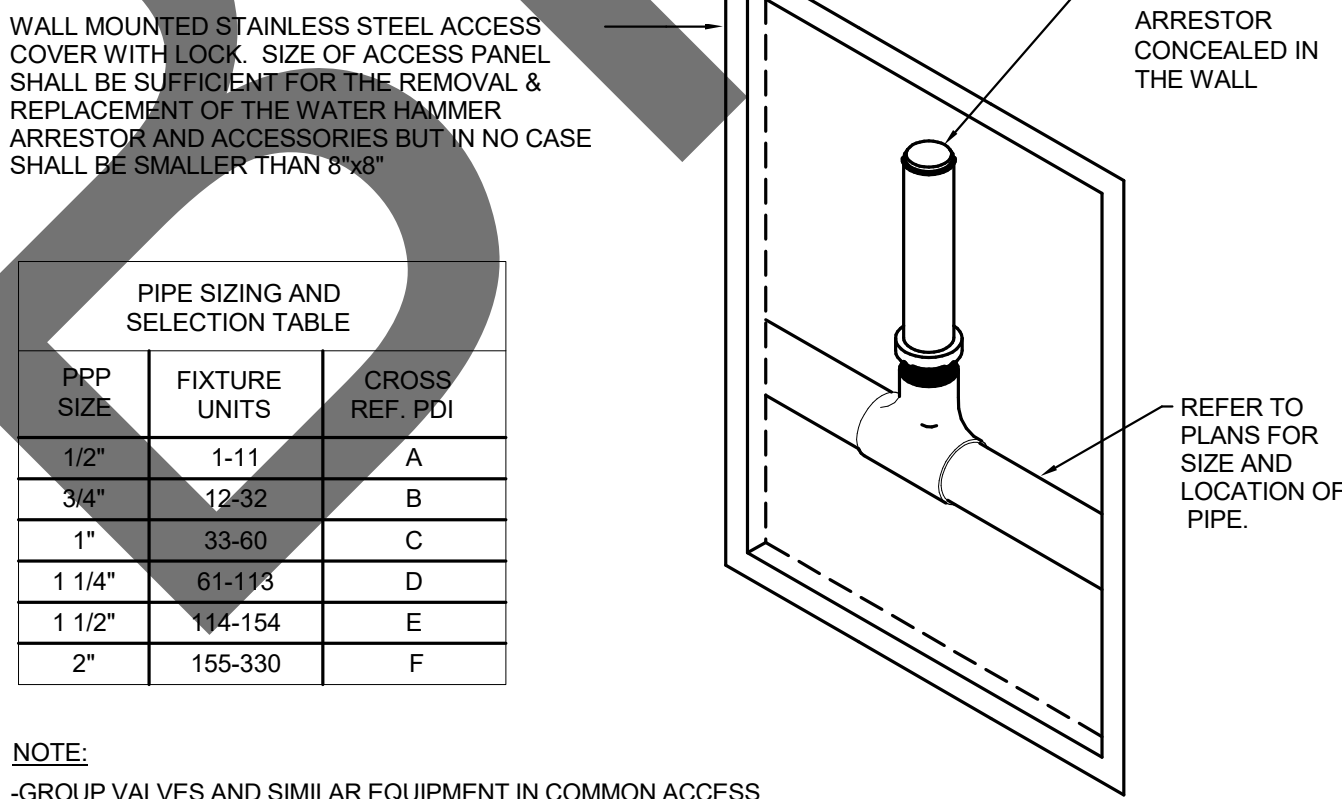


DISTRIBUTION CHART (MFG. BY PPP)		
NO. OF DRAINS	PRIMER MODEL	DISTRIBUTION UNIT IS
1	P-2	NOT REQUIRED
2	P-2	DU-4
3	P-1	DU-4
4	P-1	DU-4

NOTE:
GROUP VALVES AND SIMILAR EQUIPMENT IN COMMON ACCESS PANELS WHEN APPLICABLE. ALL ITEMS SHALL BE FULLY OPERATIONAL AND SERVICEABLE.

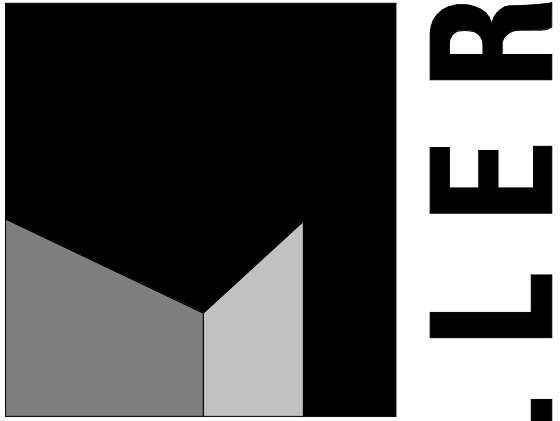


NOTE:
GROUP VALVES AND SIMILAR EQUIPMENT IN COMMON ACCESS PANELS WHEN APPLICABLE. ALL ITEMS SHALL BE FULLY OPERATIONAL AND SERVICEABLE.



PIPE SIZING AND SELECTION TABLE		
PPP SIZE	FIXTURE UNITS	CROSS REF. FDI
1/2"	1-11	A
3/4"	12-32	B
1"	33-60	C
1 1/4"	61-113	D
1 1/2"	114-154	E
2"	155-330	F

NOTE:
-GROUP VALVES AND SIMILAR EQUIPMENT IN COMMON ACCESS PANELS WHEN APPLICABLE. ALL ITEMS SHALL BE FULLY OPERATIONAL AND SERVICEABLE
-FINAL SIZING AND MODEL SELECTION SHALL BE PER MANUFACTURERS RECOMMENDATIONS
-WATER HAMMER ARRESTOR SHALL BE INSTALLED IN AN UPRIGHT POSITION
-WATER HAMMER ARRESTOR SHALL BE INSTALLED AT EACH QUICK CLOSING FAUCET OR FLUSH VALVE UNLESS USED IN A BANK OF FIXTURES
-WHEN INSTALLING ON A BANK OF FIXTURES THE WATER HAMMER ARRESTOR SHALL BE INSTALLED BEFORE THE LAST FIXTURE ON THE BANK.



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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

sheet name

PLUMBING DETAILS

sheet number

P-300

Sheet Of Sheets

AUTOMATIC TRAP PRIMER

NTS

1

ELECTRONIC TRAP PRIMER

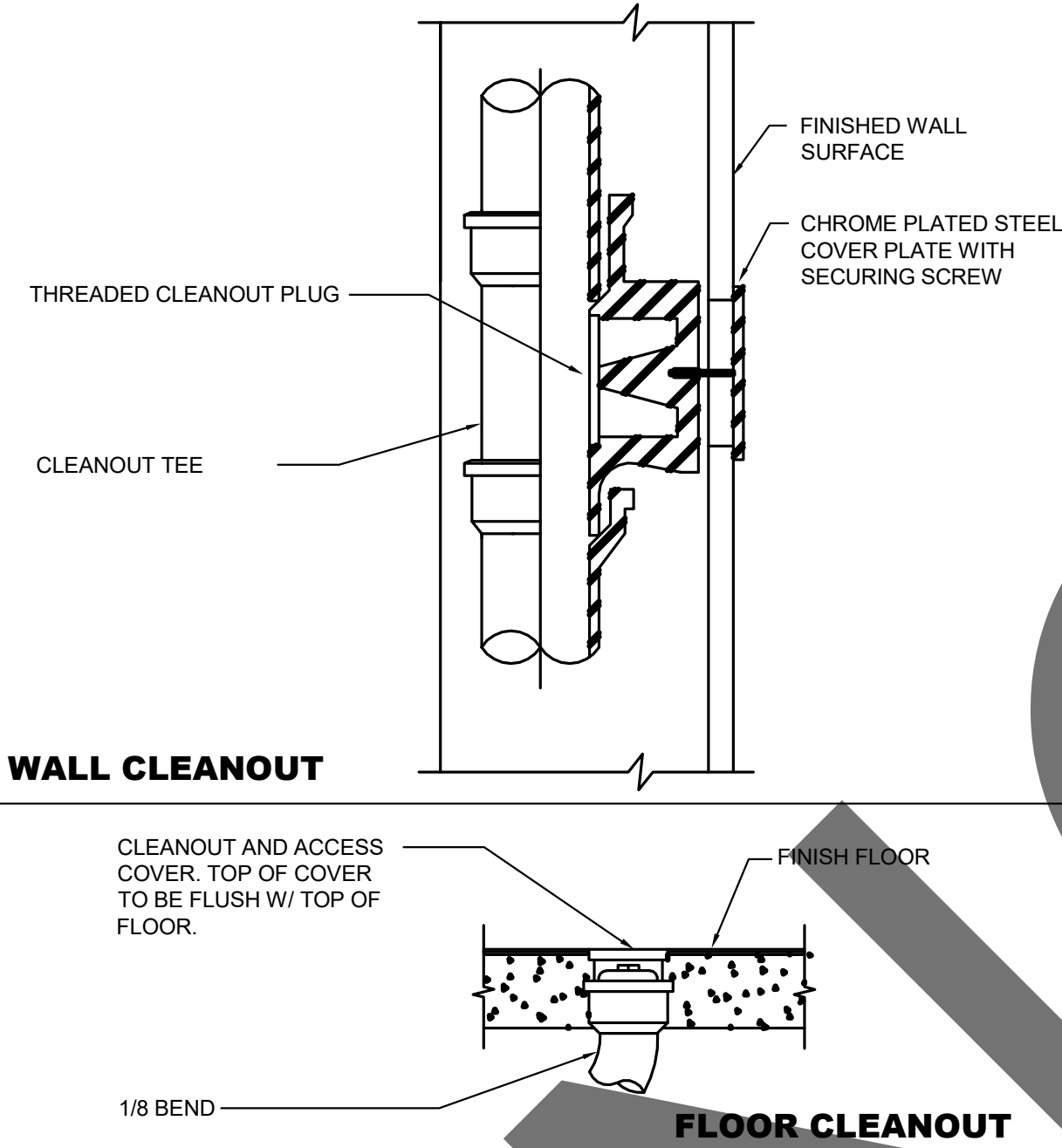
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WATER HAMMER ARRESTOR

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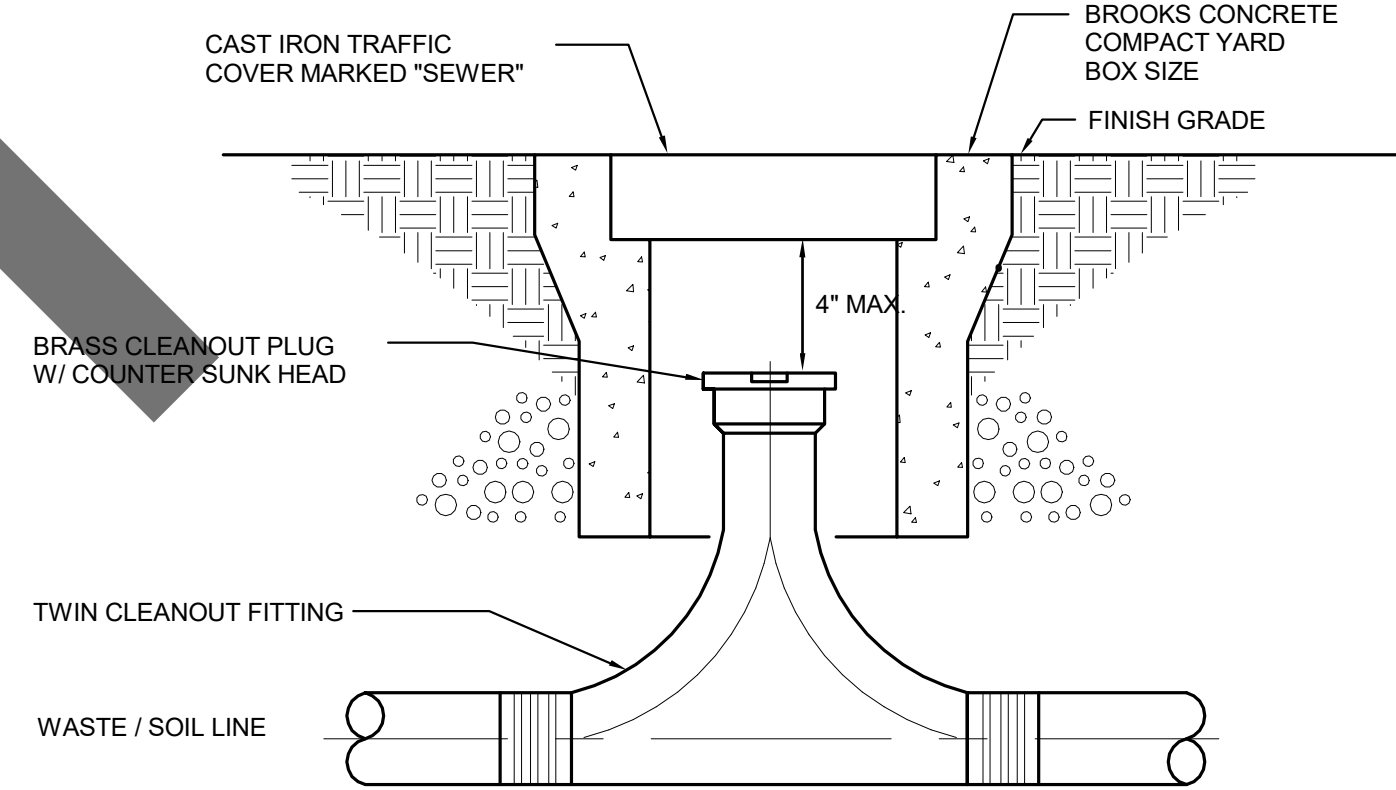
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WALL & INTERIOR FLOOR CLEANOUT

NTS

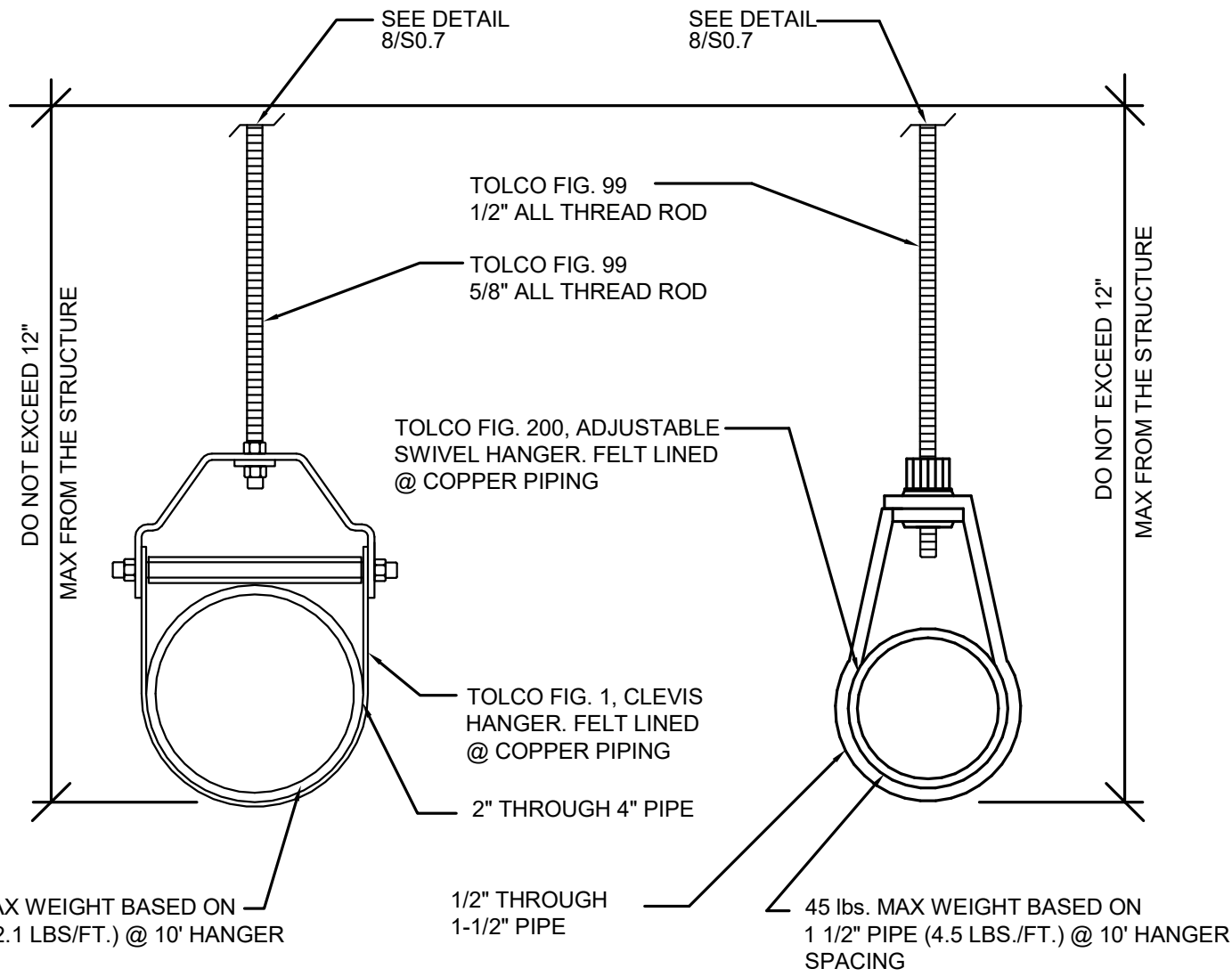
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CLEANOUT IN YARD BOX

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SINGLE PIPE HANGER

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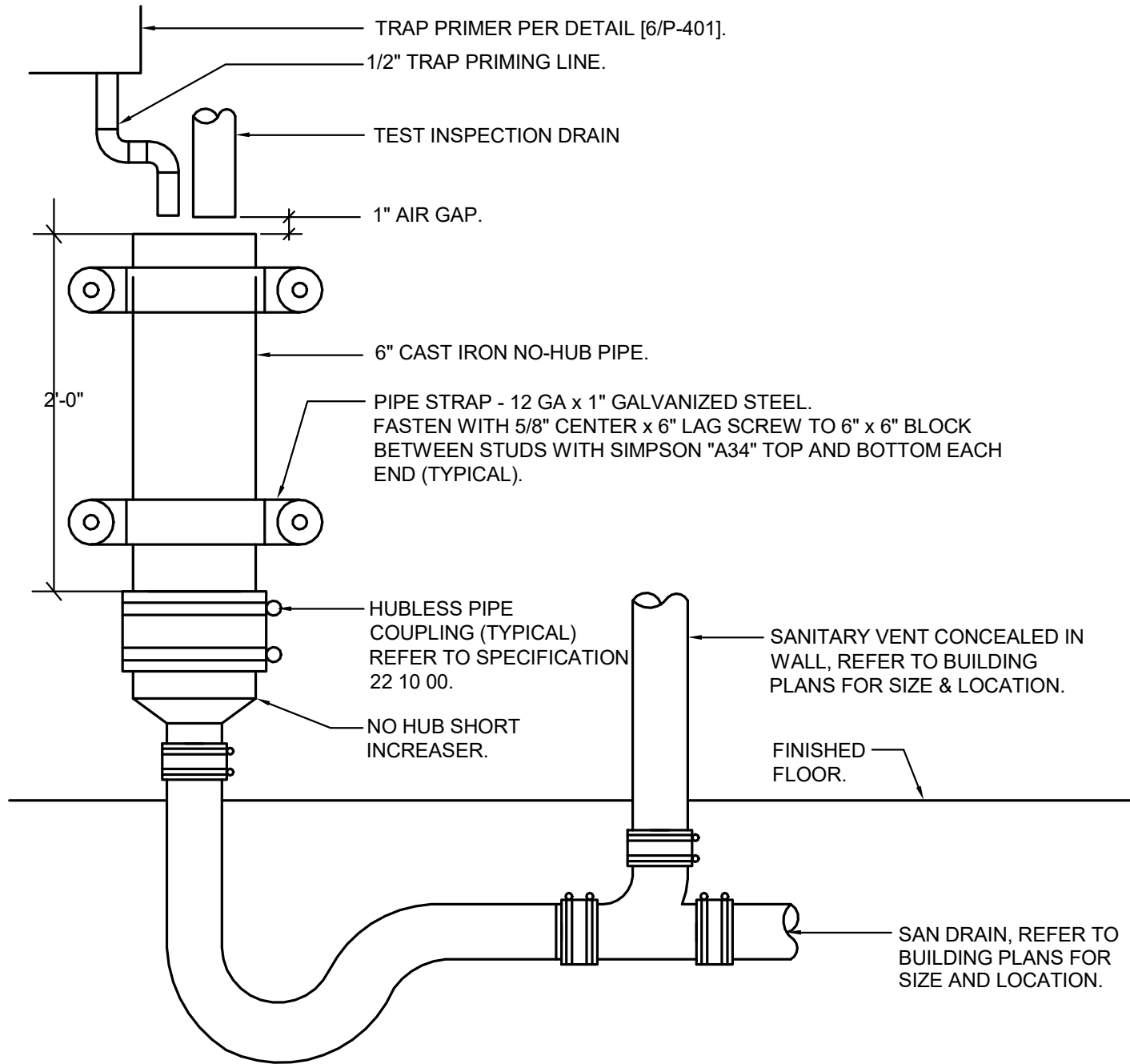
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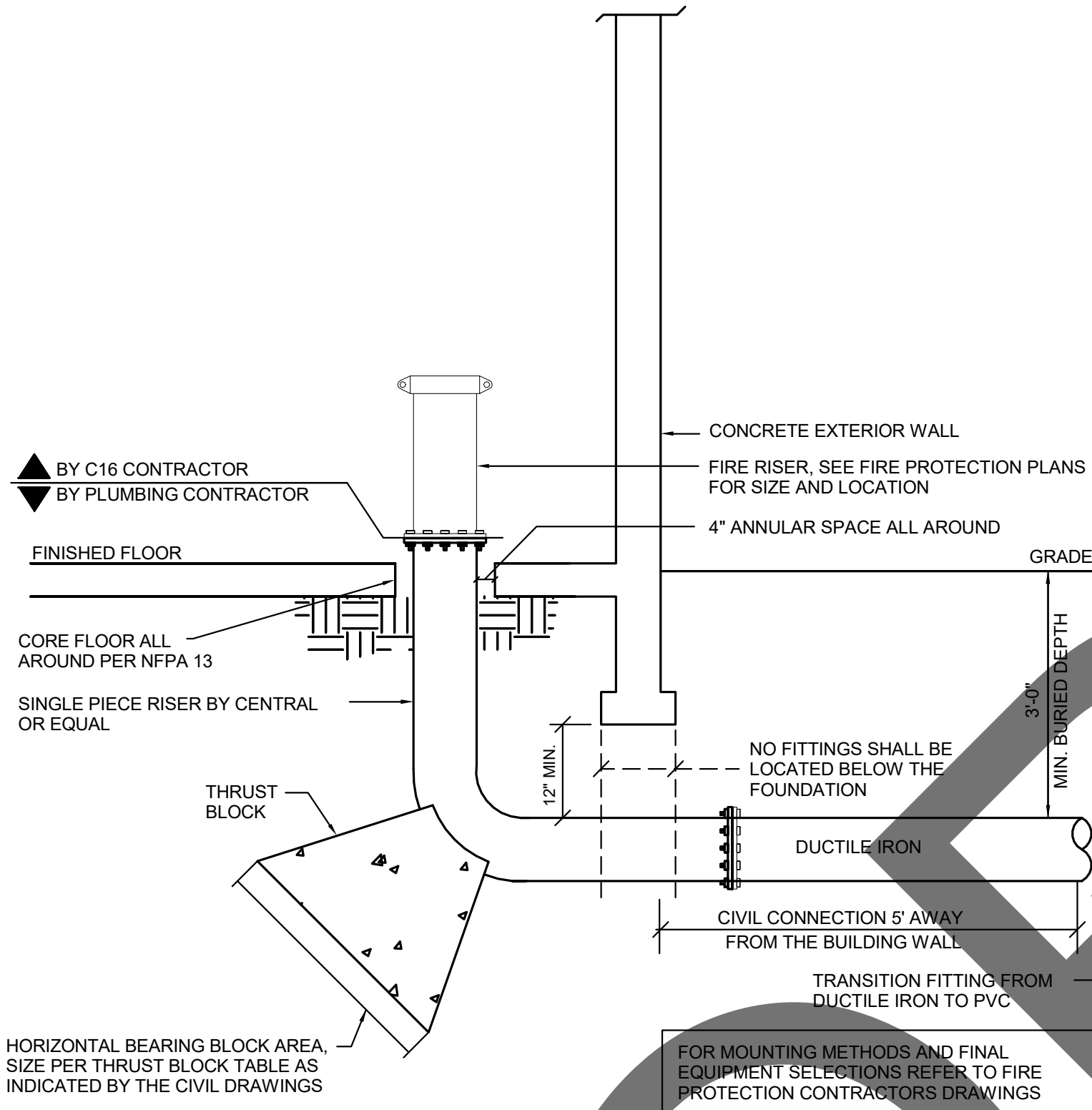




HUB DRAIN DETAIL

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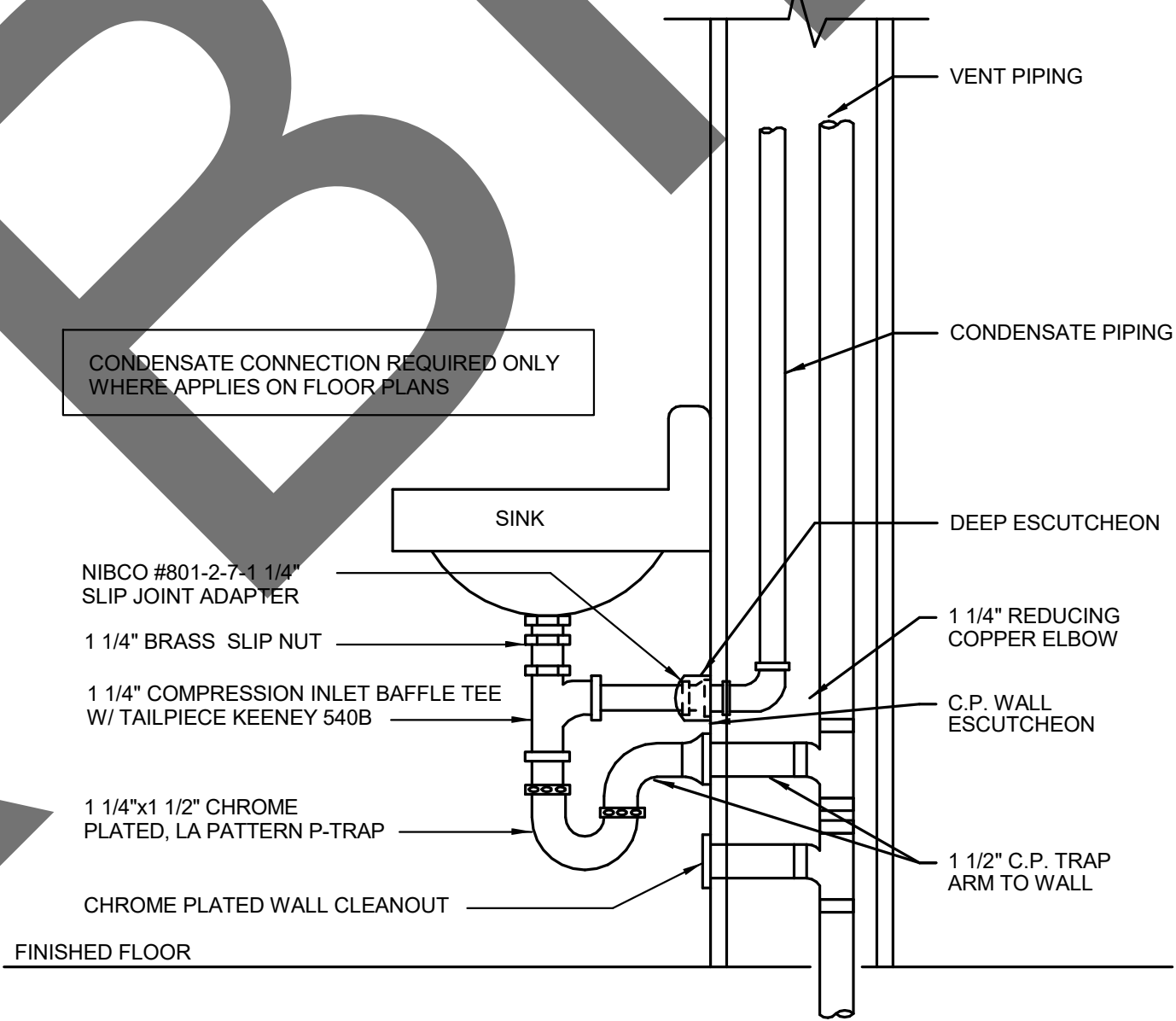
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TRANSITION RISER

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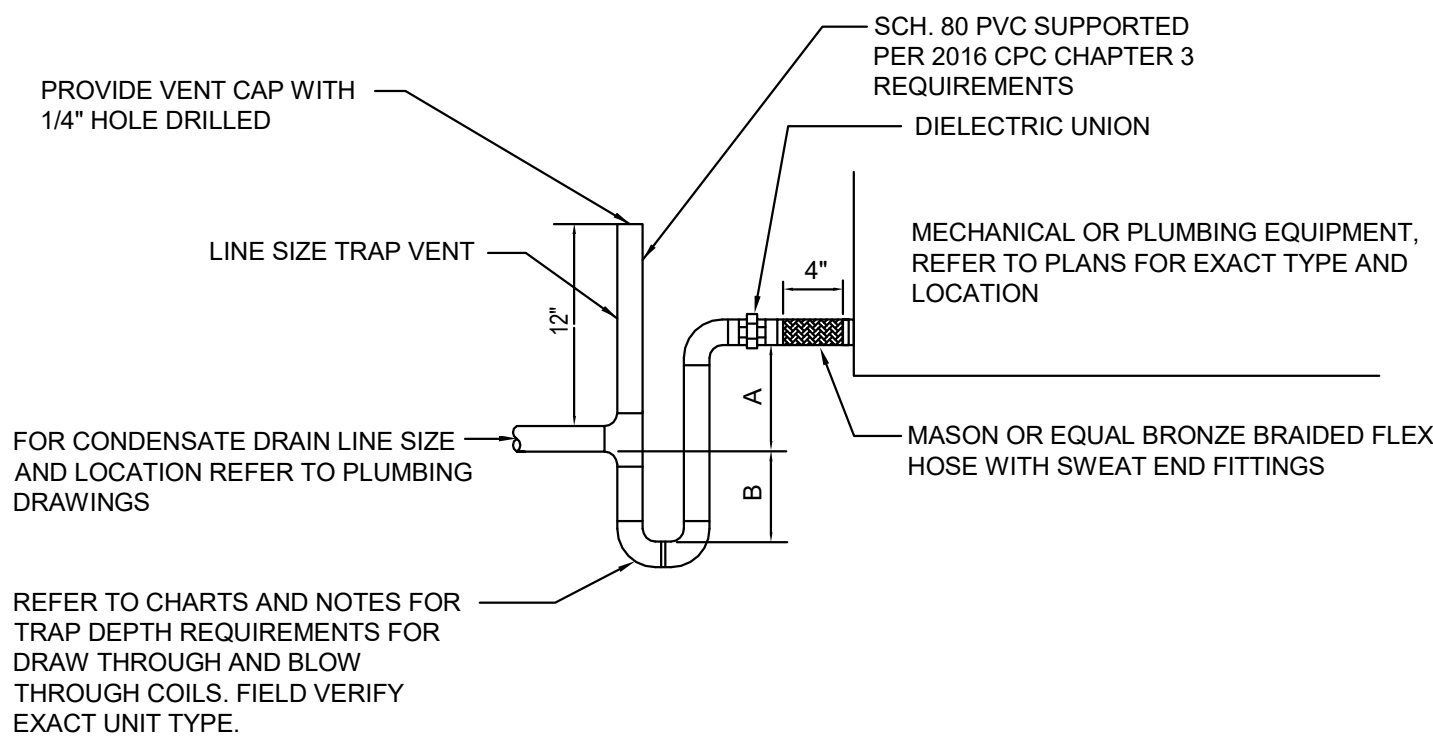
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CONDENSATE DRAIN TO TAILPIECE

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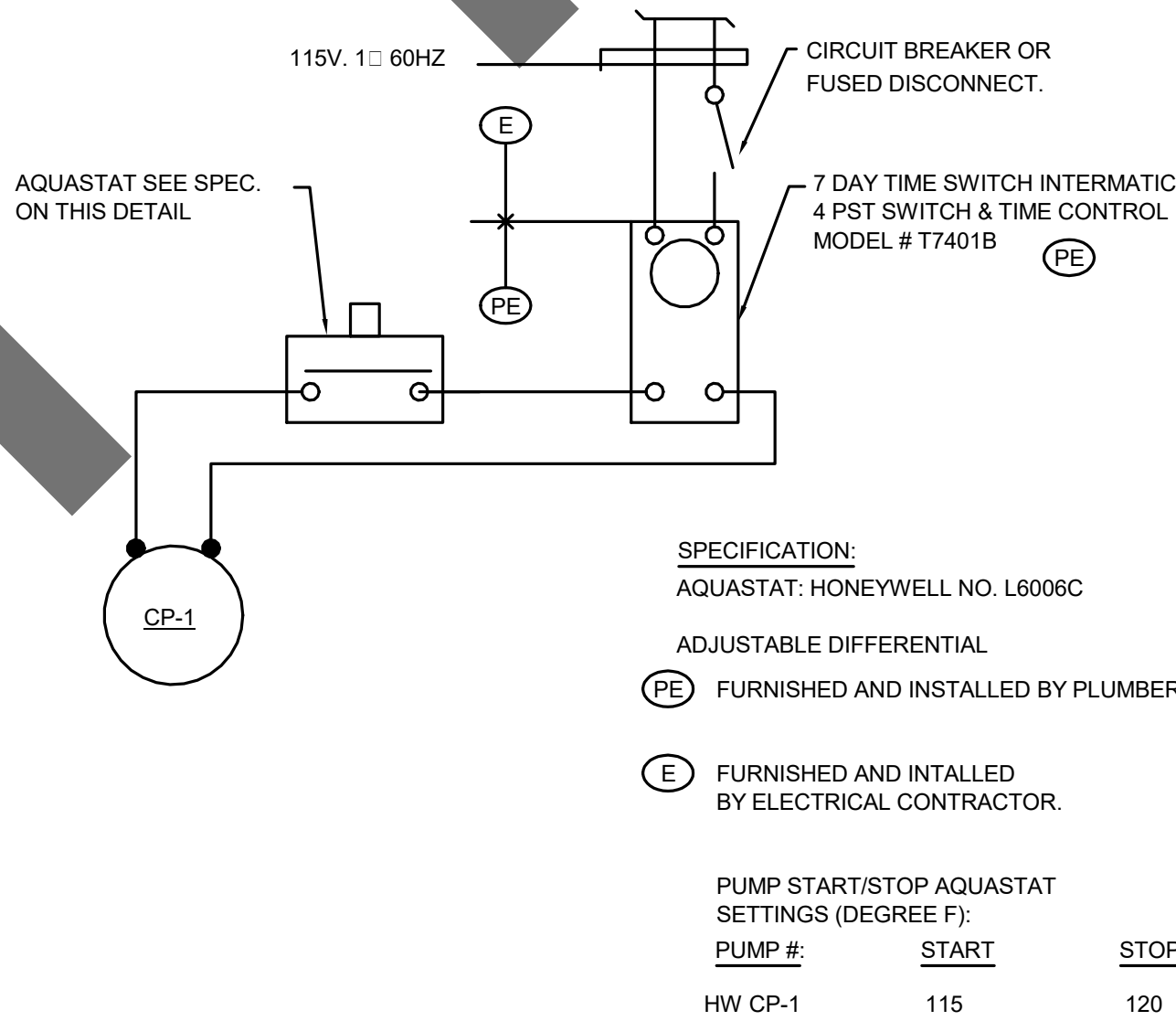
DRAW THROUGH COIL		BLOW THROUGH COIL	
A	B	A	B
SEE NOTE 1	SEE NOTE 2	SEE NOTE 3	SEE NOTE 4

- NOTES:
- FAN INLET STATIC PRESSURE OF AIR HANDLING UNIT PLUS 1", 3" MINIMUM.
 - (FAN INLET STATIC PRESSURE OF AIR HANDLING UNIT PLUS 1") DIVIDED BY 2.
 - RECOMMENDED 1/2".
 - (FAN OUTLET PRESSURE IN WATER COLUMN) PLUS 1/2" INCH.
 - PROVIDE CD PIPING PER SPECIFICATION, AND 2013 EDITION OF THE CPC FROM THE EQUIPMENT THE APPROVED RECEPTOR.
 - MANUALLY PRIME TRAP PRIOR TO START UP.
 - SUPPORT DRAIN LINE TO PREVENT SAG AND TERMINATE TO AN APPROVED RECEPTOR LAVATORY TAILPIECE, SERVICE SINK, FLOOR SINK OR ROOF RECEPTOR).
 - INSULATE ALL CONDENSATE PIPING LOCATED WITHIN THE STRUCTURE.

EQUIPMENT CONDENSATE CONNECTION

NTS

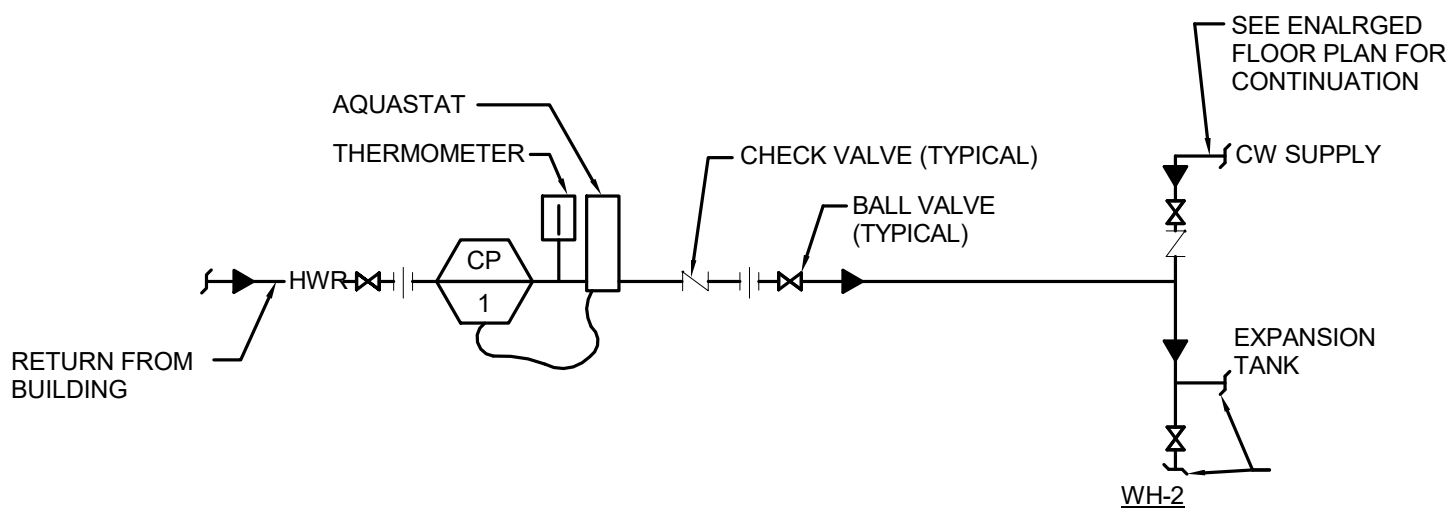
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CIRCULATION PUMP FLOW DIAGRAM

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CIRCULATION PUMP AND ACCESSORIES

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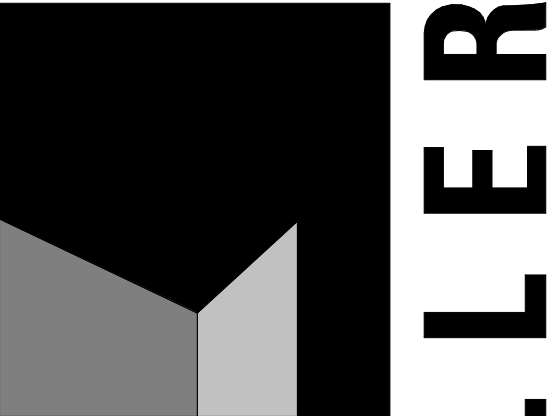
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REGISTERED PROFESSIONAL ENGINEER
No. M34080
Exp. June 30, 2026
MECHANICAL
D. J. J. J.

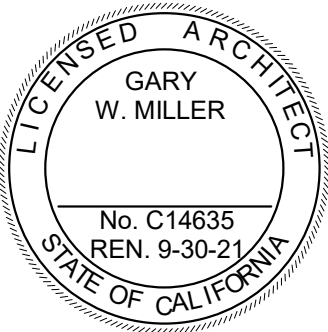
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revisions/addenda

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ANIMAL CARE CENTER

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SAN BERNARDINO COUNTY

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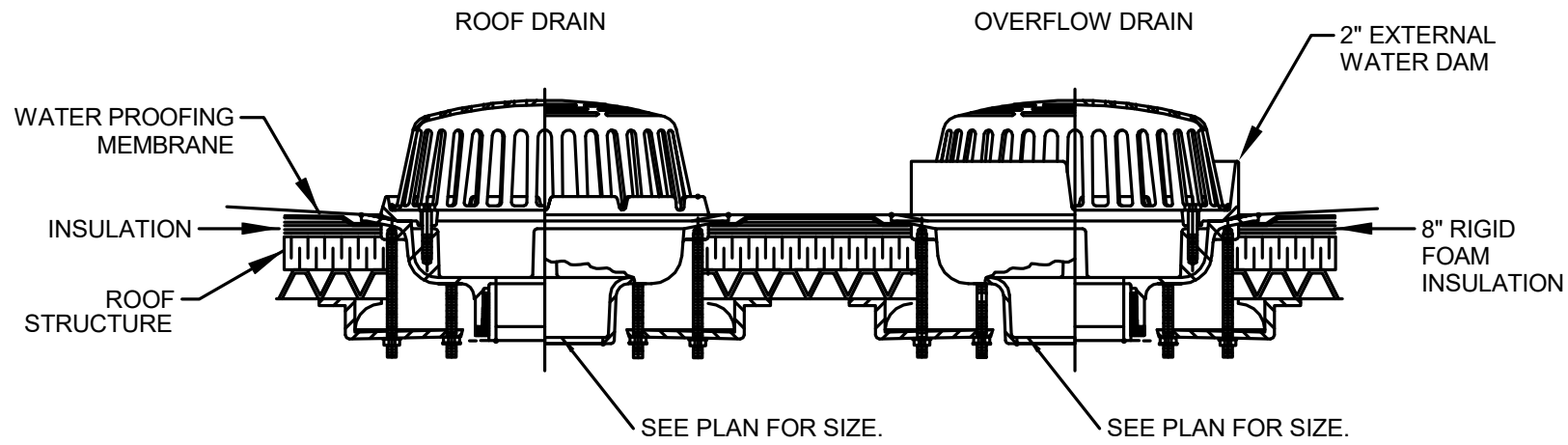
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PLUMBING DETAILS

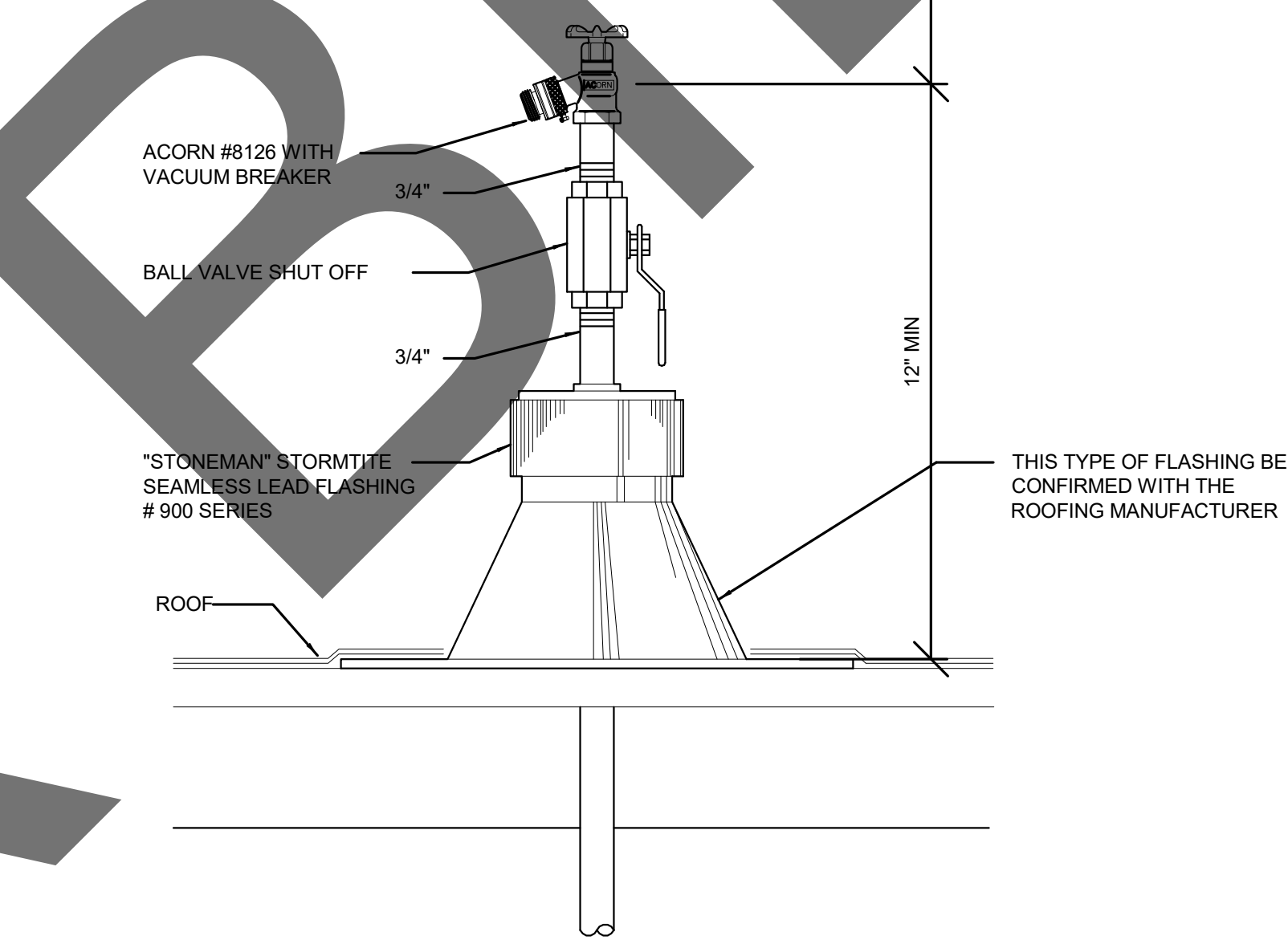
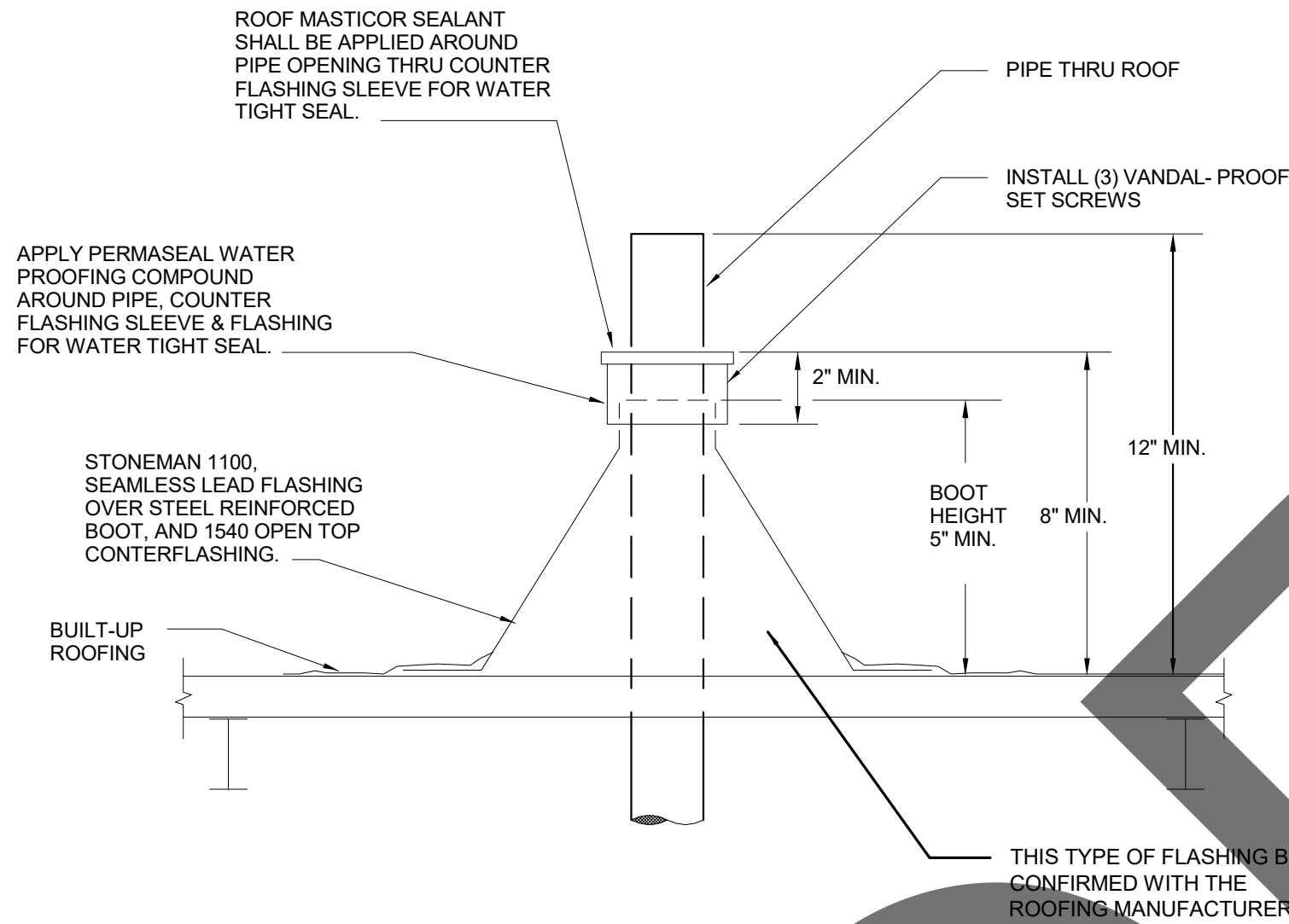
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P-301

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- NOTES:
1. PLUMBING CONTRACTOR SHALL COORDINATE WITH STRUCTURAL ENGINEER AND ROOFING CONTRACTOR FOR ROOF DRAIN LOCATION AND INSTALLATION REQUIREMENTS.
 2. ROOF DRAIN SHALL BE TOP CONNECT AND SUPPORT FROM NEAREST JOIST AND GIRDER. IF THERE ARE TWO ROOF DRAINS AT THE SAME LOCATION, LOCATE ON ONTO BOTH SIDE OF JOIST OR GIRDER.
 3. ROOF DRAIN AND OVERFLOW TO BE APPROVED BY ROOFING CONTRACTOR PRIOR TO PURCHASE.
 4. PROVIDE CLAMPING EXTENSION COLLAR WHERE REQ'D FOR PROPER INSTALLATION
 5. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION



NOTE:
SECURE RISER TO ROOF STRUCTURE WITH HANGER BELOW ROOF AT RISER ELBOW.

ROOF DRAIN & OVERFLOW DRAIN

NTS

1

VENT THRU ROOF

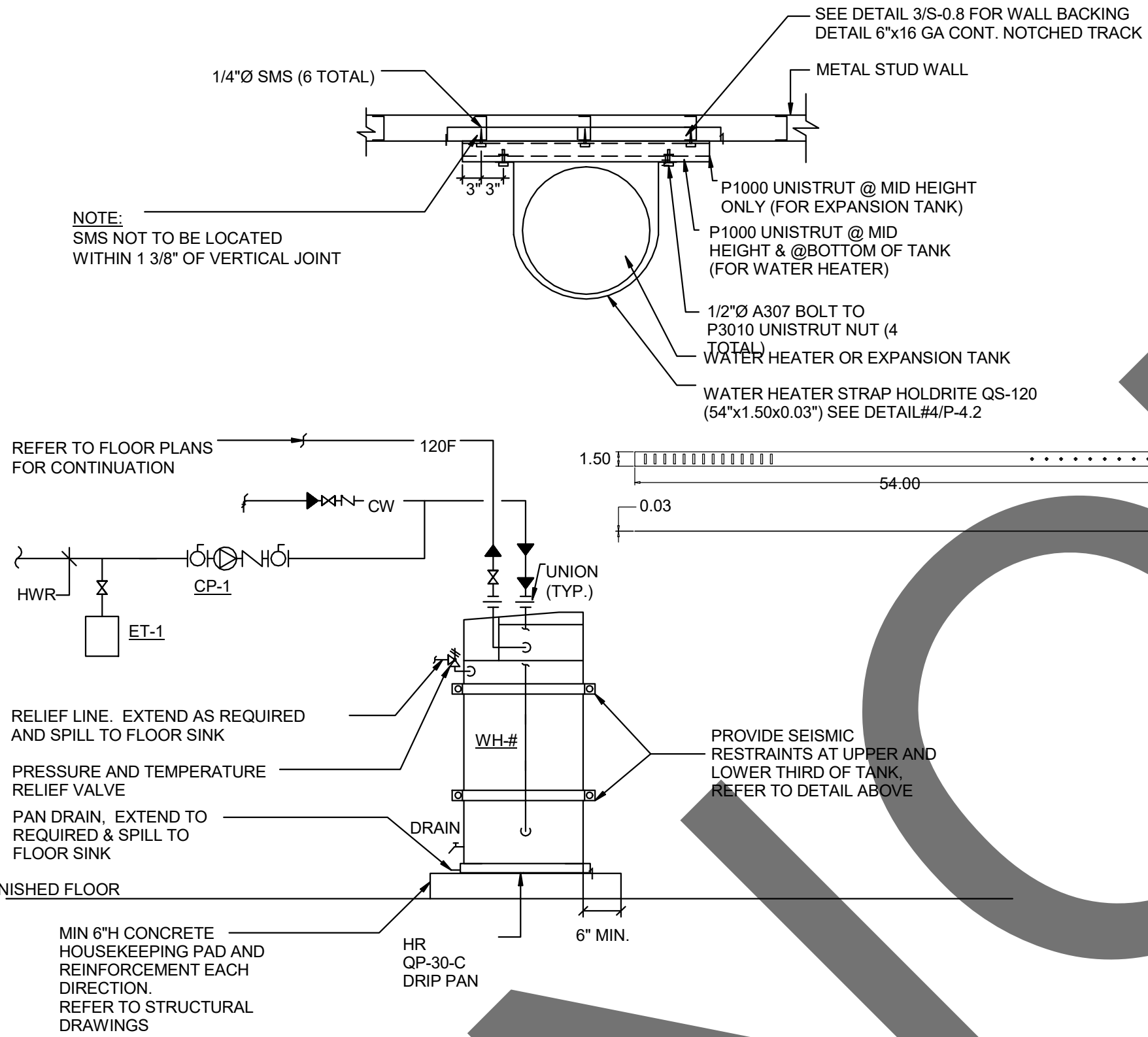
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HOSE BIBB ON ROOF

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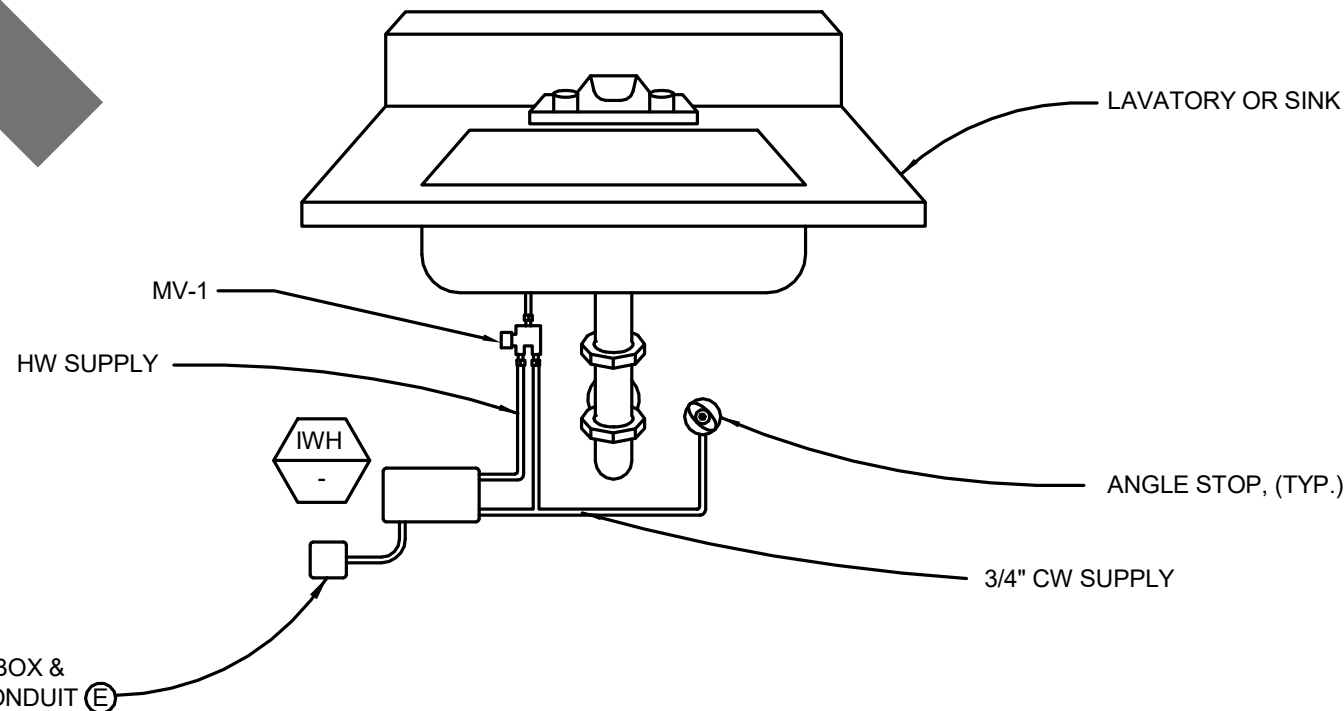


WATER HEATER DETAIL

NTS

4

NOTE:
Ⓢ INDICATES ITEMS PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.



INSTANTANEOUS WATER HEATER

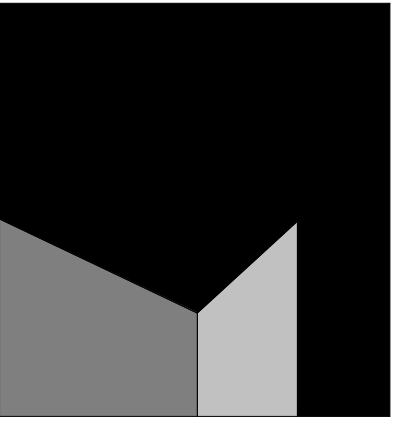
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Checked By: PS
Issue Date: 05/17/24

sheet name

PLUMBING DETAILS

sheet number

P-302

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FIRE ALARM NOTES

- THIS IS A COMPLETE AUTOMATIC FIRE ALARM SYSTEM PLAN SUBMITTAL PER 2022 CFC 907.2.3 AND 2022 CBC 907.2.3.
- THE NEW FIRE ALARM SYSTEM IS CONFIGURED TO A FULLY AUTOMATIC SYSTEM.
- THE FIRE ALARM SYSTEM INDICATED ON THESE DRAWINGS IS APPROVED BY CALIFORNIA STATE FIRE MARSHAL AND SHALL BE INSTALLED AS DESCRIBED ON THESE DRAWINGS AND AS NOTED IN THE SPECIFICATIONS. ANY CHANGES TO THESE PLANS, I.E., DELETION, RELOCATION OR ADDING OF DEVICES SHALL BE RESUBMITTED TO THE STATE FIRE MARSHAL FOR APPROVAL.

INSTALLATION OF FIRE ALARM SYSTEM MAY START AFTER IMEG RECEIVES THESE APPROVED DRAWINGS. A O.R. SHALL STAMP AND SIGN ALL DRAWINGS.
- ALL WIRING AND INITIATING DEVICES SHALL BE SUPERVISED TO THE PRINCIPAL POINT OF ANNUNCIATION (F/A PANEL TO SUPERVISE ALL CIRCUITS AND INITIATING DEVICES).
- WIRING SHALL NOT BE LOOPED THROUGH DEVICES. WIRE MUST BE CUT FOR IN AND FOR OUT.
- ALL WIRING TO BE IN CONDUIT.
- ALL TERMINATIONS IN JUNCTION BOXES, PULL BOXES AND TERMINAL CABINETS SHALL BE ON BOX MOUNTED TERMINAL BLOCKS. DO NOT USE WIRE NUTS FOR SPlicing. DO NOT SPLICE WIRES IN ANY BOXES.
- ALL CONDUIT SIZES INDICATED IN DRAWINGS ARE MINIMUM. CONTRACTOR TO ADJUST SIZE FOR FIELD CONDITIONS BUT SHALL NOT BE SMALLER THAN 3/4 INCH.
- ALL FIRE ALARM WIRING MUST TEST FREE OF OPENS, SHORTS AND GROUNDS.
- FIRE ALARM DRAWINGS ARE SCHEMATIC IN NATURE ONLY. CONTRACTOR TO ROUTE CONDUIT AS FIELD CONDITIONS INDICATE.
- CONDUIT AND JUNCTION/BACK BOXES ARE NOT TO BE USED FOR UNRELATED WIRING.
- THE SYSTEM SHALL CONFORM TO TITLES 19 AND 24 AS APPLICABLE TO THIS PROJECT.
- UPON COMPLETION OF SYSTEM INSTALLATION, THE SYSTEM SHALL BE TESTED IN THE PRESENCE OF, AND IN A MANNER ACCEPTABLE TO, THE ENFORCING AGENCY.
- THE CONTRACTOR SHALL REPROGRAM AND CERTIFY ADDRESSABLE FIRE ALARM CONTROL PANEL TO ACCOMMODATE ADDITIONAL DEVICES.
- FIRE ALARM SYSTEM SHALL BE INSTALLED BY FACTORY AUTHORIZED REPRESENTATIVE.
- CONDUCTOR LENGTHS AND DEVICE QUANTITIES ARE SHOWN SOLELY FOR CALCULATION PURPOSES ONLY, AND SHALL NOT BE USED FOR BID TAKE-OFF.
- THE FIRE ALARM SYSTEM SHALL CONFORM TO ARTICLE 760 OF CALIFORNIA ELECTRICAL CODE. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY DSA-ORS. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE FIRE AUTHORITY HAVING JURISDICTION.
- PENETRATIONS OF PIPES, CONDUITS, ETC., IN WALLS REQUIRING PROTECTED OPENINGS SHALL BE FIRE STOPPED. FIRE STOP MATERIAL SHALL BE A TEST ASSEMBLY ACCEPTABLE TO 2022 CBC 1705A.17.1 PROVISIONS AND DSA-ORS.
- ALL FIRE ALARM AND COMMUNICATIONS WIRES AND CABLES SHALL BE ONE CONTINUOUS LENGTH FROM A BUILDING TERMINAL CABINET TO ANOTHER BUILDING TERMINAL CABINET OR JUNCTION BOX. ABSOLUTELY NO SUBGRADE SPLICES WILL BE PERMITTED! PROVIDE TERMINAL BLOCKS WITH MOUNTING IN TERMINAL CABINETS ONLY AS REQUIRED.
- EVERY ALARM SIGNALING DEVICE INSTALLED SHALL BE OF THE SAME BASIC TYPE (BELLS, HORNS, CHIMES, SPEAKERS, ETC.) AS ALL OTHER SIGNALING DEVICES IN THE FACILITY, (EXCEPTION: ANY SIGNALING DEVICES REQUIRED FOR THE DEAF OR HEARING IMPAIRED PER 2022 NFPA-72.
- INSULATED CONDUCTORS USED IN WET LOCATIONS SHALL BE (1) LEAD-COVERED, (2) TYPES RHW, TW, THW, THWN, XHHW, OR (3) OF A TYPE LISTED FOR USE IN WET LOCATIONS. CABLES OF ONE OR MORE CONDUCTORS USED IN WET LOCATIONS SHALL BE OF A TYPE LISTED FOR USE IN WET LOCATIONS. CONDUCTORS USED FOR DIRECT BURIAL APPLICATIONS SHALL BE OF A TYPE LISTED FOR SUCH USE (PER 2022 CEC ARTICLE 310).
- THE FIRE ALARM DEVICE SUPPLIER SHALL FURNISH ALL SURFACE MOUNT ENCLOSURES FOR PULLSTATIONS AND SKIRTS FOR ALL VISUAL AND AUDIO VISUAL DEVICES TO CONCEAL 45 BACK BOXES.
- AFTER THE SYSTEM IS COMPLETED, ALL ADDRESSABLE DEVICES SHALL BE PROGRAMMED AT THE FACP ACCORDING TO THE ACTUAL BUILDING ROOM NUMBER. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE SCHOOL DISTRICT TO OBTAIN ACCURATE ROOM NUMBER INFORMATION.
- PROVIDE CALIFORNIA TEMPORAL-THREE TONE DISTINCTIVE FIRE ALARM SOUND, (2022 CFC SEC. 907.6.2.1.3 & 2022 NFPA 72 SEC. 18.4.2.1)
- POWER SERVICES SHALL BE ON A DEDICATED BRANCH CIRCUIT WITH A RED MARKING & LOCKING DEVICE AND IDENTIFIED AS "FIRE ALARM CIRCUIT CONTROL".
- AUDIBLE FIRE ALARM SOUND LEVEL SHALL BE AT LEAST 15 dBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL IN ALL OCCUPIABLE AREAS (2022 NFPA 72 SEC. 18.4.3.1) (I.e. CLASSROOM AVERAGE AMBIENT ROOM NOISE IS45dBA PLUS 15dBA EQUAL = 60dBA MINIMUM ALARM TONE REQUIRED)
- STROBES SHALL FLASH AT A RATE NOT EXCEEDING TWO FLASHES PER SECOND NOR BE LESS THAN ONE FLASH EVERY SECOND. (2022 NFPA 72 SEC. 18.5.3.1)
- FINAL FIRE ALARM TEST SHALL BE MADE WITH THE DSA INSPECTOR OF RECORD (IOR). LOCAL FIRE AUTHORITY SHALL BE NOTIFIED OF DATE AND TIME OF FINAL ALARM TESTING AND SHALL ASSIST/WITNESS SUCH TESTING WHEN ABLE.
- FIRE ALARM CONTRACTOR SHALL PROVIDE A RECORD OF COMPLETION TO THE INSPECTOR OF RECORD (IOR)/DSA AFTER COMPLETION OF OPERATION ACCEPTANCE TEST. (2022 NFPA 72 SEC. 7.5.6. & 2022 CFC 901.6.2)
- UNLESS SPECIFICALLY SHOWN ON THESE PLANS NO STRUCTURAL MEMBER SHALL BE CUT, DRILLED, NOR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND DISTRICT STRUCTURAL ENGINEER FROM THE DIVISION OF THE STATE ARCHITECT.
- THE INSTALLING CONTRACTOR SHALL PROVIDE A STATEMENT OF COMPLIANCE ALONG WITH THE REQUEST FOR ACCEPTANCE TESTING PER 2022 NFPA-72.
- OCCUPANCY OF THE BUILDINGS IS PROHIBITED UNTIL THE FIRE ALARM SYSTEM IS COMPLETED, TESTED, AND APPROVED PER 2022 NFPA 72.
- SMOKE DETECTORS SHALL BE TESTED PER THE METHOD SHOWN IN 2022 CFC.
- REACCEPTANCE TESTING SHALL BE PERFORMED AS REQUIRED BY 2022 NFPA 72.
- ALL BACKUP BATTERIES FOR FIRE ALARM SYSTEM EQUIPMENT SHALL BE VISUALLY CHECKED FOR DATE OF INSTALLATION. ALL BATTERIES OVER 5 YEARS OLD SHALL BE REPLACED WITH NEW BATTERIES OF THE SAME MANUFACTURER, TYPE, AND AMP-HOUR RATING.
- FIRE ALARM SYSTEMS SHALL BE SUPERVISED BY AN APPROVED UL LISTED CENTRAL STATION, OR REMOTE STATION (JUMF) MONITORING COMPANY (JUUS) (2022 CFC, 907.2.3.5, 907.6.5.3.)
- A SINGLE FAULT ON A PATHWAY CONNECTED TO THE ADDRESSABLE DEVICES SHALL NOT CAUSE THE LOSS IN MORE THAN ONE ZONE (2022 NFPA 72 SECTION 23.6.1)
- THE DISTRICT SHALL RETAIN RECORD DRAWINGS ON THE PREMISES FOR A MINIMUM OF 3 YEARS, IN A DEDICATED FIRE ALARM RECORD DOCUMENT CABINET IN ACCORDANCE WITH 2022 NFPA 72. 7.7.2.
 - EVERY NEW FIRE ALARM SYSTEM SHALL PROVIDE A DOCUMENTATION CABINET, INSTALLED AT THE SYSTEM CONTROL PANEL OR OTHER APPROVED LOCATION.
 - THE DOCUMENTATION CABINET SHALL BE PROMINENTLY LABELED "SYSTEM RECORD DOCUMENTS"
 - ALL RECORDED AND TESTING DOCUMENTATION SHALL BE STORED IN THE CABINET.
 - CONTENTS SHALL BE ACCESSIBLE BY AUTHORIZED PERSONNEL ONLY.
 - WHERE CABINET IS INSTALLED IN A LOCATION OTHER THAN THE SYSTEM CONTROL UNIT, ITS LOCATION SHALL BE IDENTIFIED AT THE SYSTEM CONTROL UNIT.

SYSTEM DOCUMENTS AS APPLICABLE:

- RECORD DRAWINGS/AS-BUILTS
- EQUIPMENT CUT SHEETS & CA SFM LISTINGS
- ALTERNATIVE MEANS AND METHODS
- PERFORMANCE BASED DESIGN DOCUMENTATION (NFPA 72. 7.3.7)
- SYSTEM RECORDED OF COMPLETION & ANY SUPPLEMENTAL INSPECTION AND TESTING DOCUMENTATION (NFPA 72. 7.8.2)
- EMERGENCY RESPONSE PLAN (NFPA 72.7.3.8)
- EVALUATION DOCUMENTATION (NFPA 72. 7.3.9)
- SOFTWARE & FIRMWARE CONTROL DOCUMENTATION (NFPA 72. 23.2.2)

EXTRA DEVICES

DUE TO UNFORESEEN CONDITION, THE FOLLOWING EXTRA DEVICES SHALL BE INCLUDED IN THE CONTRACTORS BID:

- | | |
|--------------------------------------|---------|
| a. SMOKE DETECTORS | 15 EACH |
| b. HEAT DETECTORS | 5 EACH |
| c. ATTIC HEAT DETECTORS | 5 EACH |
| d. HORN/STROBE | 20 EACH |
| e. STROBE | 5 EACH |
| f. EXTERIOR HORN | 5 EACH |
| g. MANUAL PULL STATION | 10 EACH |
| h. MODULES (CONTROL, RELAY, MONITOR) | 3 EACH |

FOR BID PURPOSES, ALLOW TWENTY (20) FEET OF CONDUIT AND ITS SUPPORT SYSTEM TO INCLUDE FITTINGS, WIRES AND LABOR FOR EACH OF THE DEVICES LISTED ABOVE.

- EXISTING FIRE ALARM SYSTEM SHALL REMAIN OPERATIONAL UNTIL THE NEW SYSTEM IS ACCEPTED BY THE SCHOOL DISTRICT. OTHERWISE 24-HOURS FIRE WATCH SHALL BE PROVIDED BY THE FIRE ALARM CONTRACTOR FOR 2022 CFC SECTION 901.4.

EQUIPMENT ANCHORAGE NOTES:

EQUIPMENT ANCHORAGE NOTE:

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE CITY OF SAN BERNARDINO COUNTY FIRE DEPARTMENT FOR FIRE MARSHALL APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTERS 13, 26 AND 30.

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
- MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT THE ATTACHMENT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

- COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND THE CITY OF SAN BERNARDINO COUNTY FIRE DEPARTMENT FOR FIRE MARSHALL. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE:

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8, 13.6.7, 13.6.5.6, AND 2022 CBC, SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., SMACNA OR OSHPD OPM), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGING AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP [] MD [] PP [] E [] OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP [] MD [] PP [] E [] OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) # _____.

MP [] MD [] PP [] E [] OPTION 3: SHALL COMPLY WITH THE SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION (2009), INCLUDING ANY ADDENDA, FASTENERS AND OTHER ATTACHMENTS NOT SPECIFICALLY IDENTIFIED IN THE SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION, ARE DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS. THE DETAILS SHALL ACCOUNT FOR THE APPLICABLE SEISMIC HAZARD LEVEL _____ AND CONNECTION LEVEL _____ FOR THE PROJECT AND CONDITIONS

APPLICABLE CODES

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

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

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

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

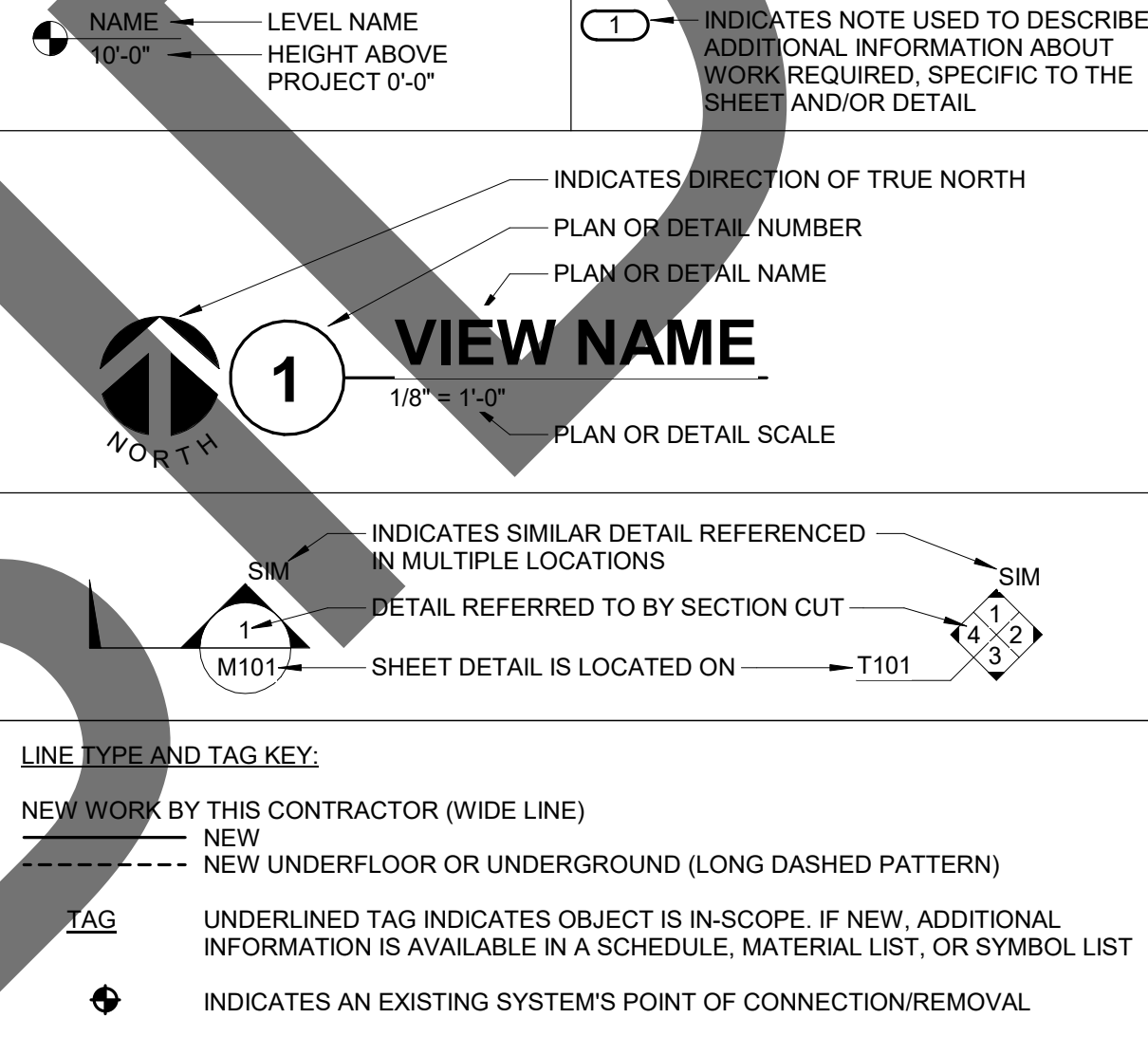
AMERICANS WITH DISABILITIES ACT (ADA)
TITLE II - ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES (ADAG)

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

CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 19
1990 STATE FIRE MARSHAL REGULATIONS AND AMENDMENTS TO-DATE

FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2022 CBC (SFM)
CHAPTER 35 AND CALIFORNIA FIRE CODE (CFC) CHAPTER 80

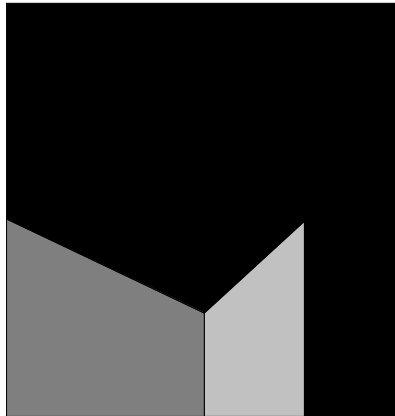
VIEW KEY




SEQUENCE OF OPERATION						
	BUILDING POWER FAILURE	AREA SMOKE DETECTOR	HEAT DETECTOR	TAMPER SWITCH	FLOW SWITCH	OPEN SHORT OR GROUND
ANNUNCIATE AT FIRE CONTROL PANEL (ALARM)	NO	YES	YES	NO	YES	YES
ANNUNCIATE AT FIRE CONTROL PANEL (SUPERVISION)	NO	NO	NO	YES	NO	NO
ANNUNCIATE AT FIRE CONTROL PANEL (TROUBLE)	YES	NO	NO	NO	NO	NO
SOUND CONTROL PANEL TROUBLE BUZZER	NO	YES	YES	NO	YES	YES
ACTIVATE AUDIBLE ALARM SIGNALS (UNTIL SILENCE)	NO	YES	YES	NO	YES	NO
ACTIVATE VISUAL ALARM SIGNALS (UNTIL RESET)	NO	YES	YES	NO	YES	NO
ACTIVATE EMERGENCY VOICE SYSTEM SIGNALS (UNTIL RESET)	NO	YES	YES	NO	NO	NO
REPORT TO CENTRAL STATION	NO	YES	YES	NO	YES	NO
ANNUNCIATE AT REMOTE ANNUNCIATOR PANEL (ALARM)	NO	YES	YES	NO	YES	YES
ANNUNCIATE AT REMOTE ANNUNCIATOR PANEL (SUPERVISION)	NO	NO	NO	YES	NO	NO
ANNUNCIATE AT REMOTE ANNUNCIATOR PANEL (TROUBLE)	YES	NO	NO	NO	NO	NO
ACTIVATE SPRINKLER BELL	NO	NO	NO	NO	YES	NO
SOUND LOCAL ALARM	NO	NO	NO	NO	NO	NO

FIRE ALARM WIRE DESIGNATION CHART				
SYMBOL	DESCRIPTION	NUMBER OF CONDUCTORS	SIZE	TYPE
N	NOTIFICATION APPLIANCE CIRCUIT	TWO	#12	THHN/THWN
D	SIGNALING LINE CIRCUIT (SLC) - ABOVE GRADE	TWISTED PAIR	#14	WEST PENN #9091
DD	SIGNALING LINE CIRCUIT (SLC) - BELOW GRADE	TWISTED PAIR	#14	WEST PENN #AGC225
P	24 POWER	TWISTED SHIELDED PAIR	#16	THHN/THWN
NOTES: 1. SYMBOL INDICATES QTY & I.D. OF CIRCUIT. I.E. 2X12, INDICATES (2) 2X12 CABLE FOR N CIRCUIT. 2. ALL CONDUIT USED FOR FIRE ALARM SHALL BE 3/4" MINIMUM ABOVE GRADE AND 1" MINIMUM BELOW GRADE UNLESS NOTED OTHERWISE. 3. ALL WIRING USED IN UNDERGROUND CONDUITS SHALL BE LISTED FOR WET AREA APPLICATION, IN ACCORDANCE WITH NEC 760.				

FIRE ALARM SYMBOL LIST				
SYMBOL:	MAF.	MODEL NO.	DESCRIPTION:	CSFM LISTING NO.
COMMON AND SEQUENCE OF OPERATION SUBSCRIPTS			SUBSCRIPTS: TYPE / PROGRAMMING WG = WIRE GUARD IS REQUIRED WP = WEATHERPROOF D = HVAC CONTROL # = 15, 30, 75, 110, 177 CANDELA RATING CD = CANDELA RATING SELECTED BY NICET DESIGNER	
		GAMEWELL E3	FIRE ALARM CONTROL PANEL	7165-1703.0125
		GAMEWELL NGA	FIRE ALARM ANNUNCIATOR	7165-1703.0125
		GAMEWELL	DIGITIZED VOICE COMMAND CENTER	
		GAMEWELL	GRAPHICAL ANNUNCIATOR PANEL, FIRE ALARM	
		GAMEWELL	NOTIFICATION APPLIANCE CIRCUIT PANEL	
		GAMEWELL HPF24S6	REMOTE POWER SUPPLY, FIRE ALARM	7300-1703.0167
		GAMEWELL	FIRE ALARM TERMINAL CABINET	
		GAMEWELL SPACE AGE	FIRE ALARM DOCUMENT CABINET	
		GAMEWELL ASD-PL3 B300-6	FIRE ALARM SMOKE DETECTOR, CEILING OR WALL MOUNT	7272-1703.0501 7300-1653.0109
			BLANK - PHOTOELECTRIC SB = SOUNDER BASE	
	GAMEWELL HTD-L3R B300-6		FIRE ALARM HEAT DETECTOR, CEILING OR WALL MOUNT	7272-1703.0502 7300-1653.0109
			BLANK - PHOTOELECTRIC	
	SYSTEM SRL	SCRLL SRL	VISUAL DEVICE CEILING MOUNTED # = CANDELA RATING	7125-1653.0504
	SYSTEM PC2RL BZRC-P	PC2RL BZRC-P	COMBINATION AUDIO (HORN) AND VISUAL ALARM DEVICE, CEILING OR WALL MOUNTED # = CANDELA RATING CD = CANDELA RATING SELECTED BY NICET DESIGNER	7320-1653.0503
	SYSTEM HRK SA-WBB	HRK SA-WBB	AUDIO (HORN) ALARM DEVICE WALL MOUNTED WEATHER PROOF BACK BOX	7135-1653.0189
	POTTER VSR	VSR	FIRE ALARM FLOW SWITCH TO MONITOR SPRINKLER SYSTEM BLANK = REFER TO PLANS	7770-0328.0001
	SYSTEM OSYSU-2 PCVS-2	OSYSU-2 PCVS-2	FIRE ALARM TAMPER SWITCH TO MONITOR SPRINKLER SYSTEM BLANK = REFER TO PLANS PIV = POST INDICATOR VALVE	7770-0328.0010
	SYSTEM SSV120-10	SSV120-10	ELECTRIC BELL FOR SPRINKLER SYSTEM	7135-1653.0217
	GAMEWELL FCI AOM-2SF	AOM-2SF	FIRE ALARM ADDRESSABLE CONTROL MODULE BLANK = REFER TO PLANS	7300-1703.0102
	GAMEWELL FCI AMM-2F	AMM-2F	FIRE ALARM MONITOR MODULE	7300-1703.0102
	APOLLO MR-101/C/R	MR-101/C/R	FIRE ALARM RELAY MODULE	7300-1004.0101
	GAMEWELL FCI MS-7AF	MS-7AF	MANUAL PULL STATION	7150-1703.0119
			FIRE ALARM END OF LINE DEVICE, DRAWINGS ONLY	




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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

FIRE ALARM
COVERSHEET
CONTINUED


sheet number

FA-101

Sheet

Of

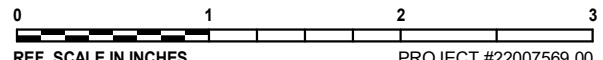
Sheets



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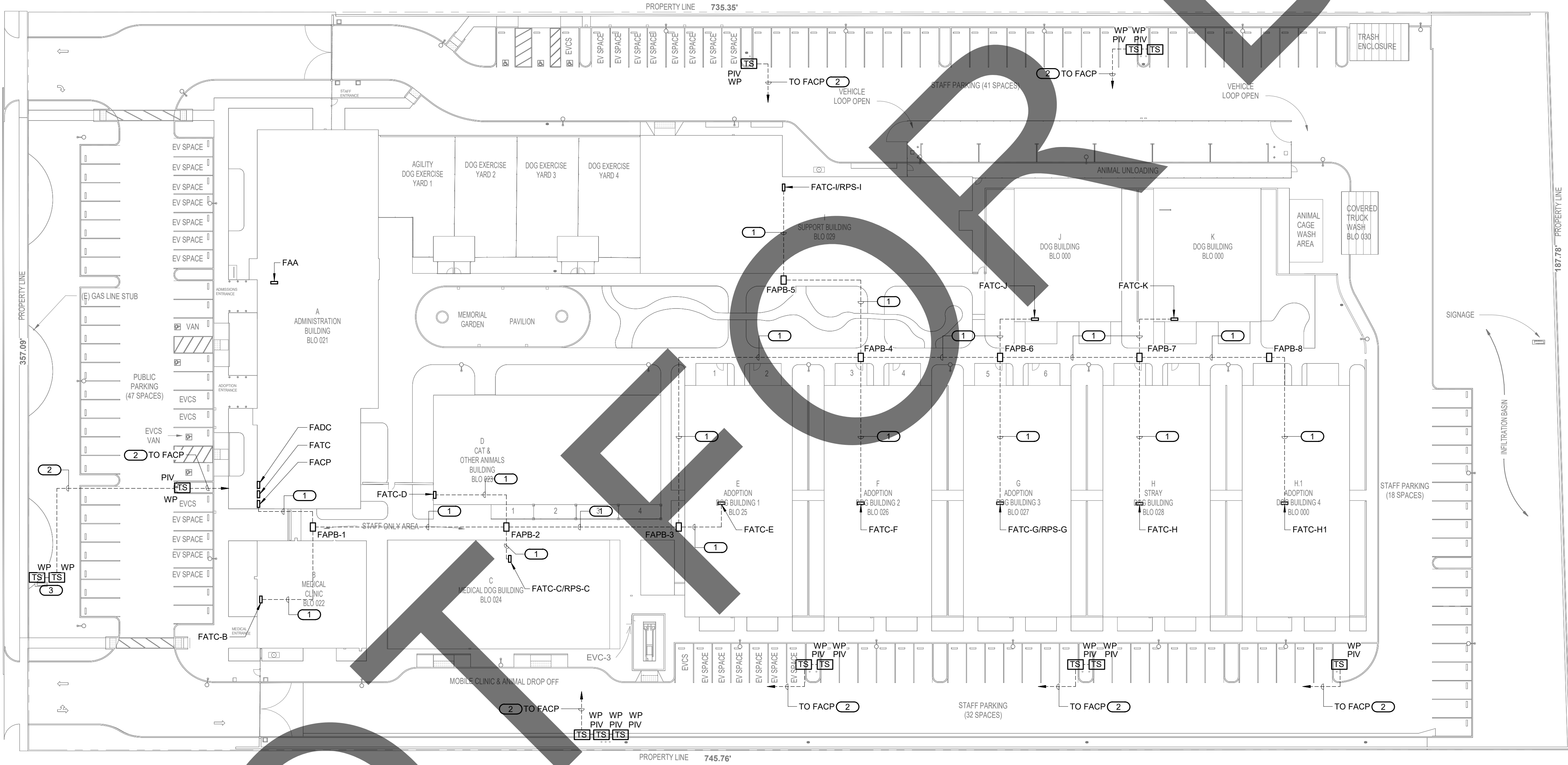
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GENERAL NOTES:

1. THE FIRE ALARM CONTRACT WORK IS A DESIGN/BUILD CONTRACT. THE CONTRACTOR IS RESPONSIBLE TO DESIGN THE FIRE ALARM SYSTEM, SUBMIT PLANS TO THE FIRE DEPARTMENT, PROJECT CONSTRUCTION MANAGER (CM), AND TO THE ARCHITECT FOR APPROVAL. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSTALL CONDUITS, WIRING & ALL DEVICES, FIRE ALARM PANEL & POWER SUPPLY TO INCLUDE ITS SUPPORT SYSTEM. THE FIRE ALARM DRAWINGS INDICATE NEW SUGGESTED LOCATIONS OF DEVICES AND HORN/STROBES AND IS FOR INFORMATIONAL PURPOSES ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SUBMIT STAMPED SHOP DRAWINGS TO THE CITY OF SAN BERNARDINO COUNTY FIRE DEPARTMENT FOR FIRE MARSHALL APPROVAL AND TO THE PROJECT, CM & THE ARCHITECT FOR APPROVAL. THE CONTRACTOR SHALL BE RESPONSIBLE TO PAY FOR PERMITS & ANY INSPECTIONS AND ASSOCIATED FEE. DEVICES SHOWN IN THE FIRE ALARM PLAN ARE FOR REFERENCE ONLY AND SHALL NOT USED FOR BID ESTIMATE. FIRE ALARM SYSTEM REQUIRES A SEPARATE PERMIT AND SUBMITTAL.

KEY NOTES: #

1. PROVIDE (2) 2" UNDERGROUND CONDUIT.
 - A. (1) 2"C. (FIRE ALARM)
 - B. (1) 2"C. (SPARE)
2. PROVIDE 1" UNDERGROUND CONDUIT.
3. PROVIDE (2) WEATHERPROOF TAMPER SWITCHES FOR THE DDC.



1

FIRE ALARM SITE PLAN

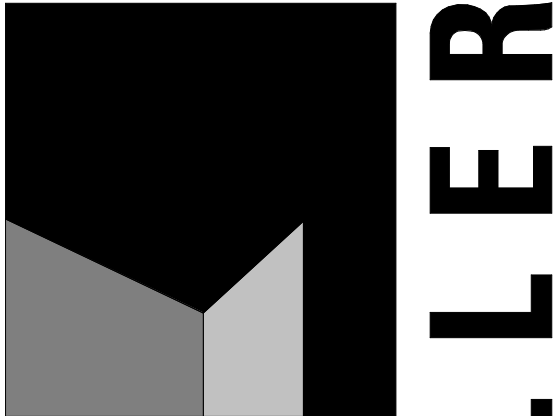
1" = 30'-0"



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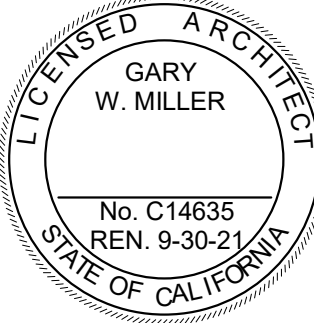
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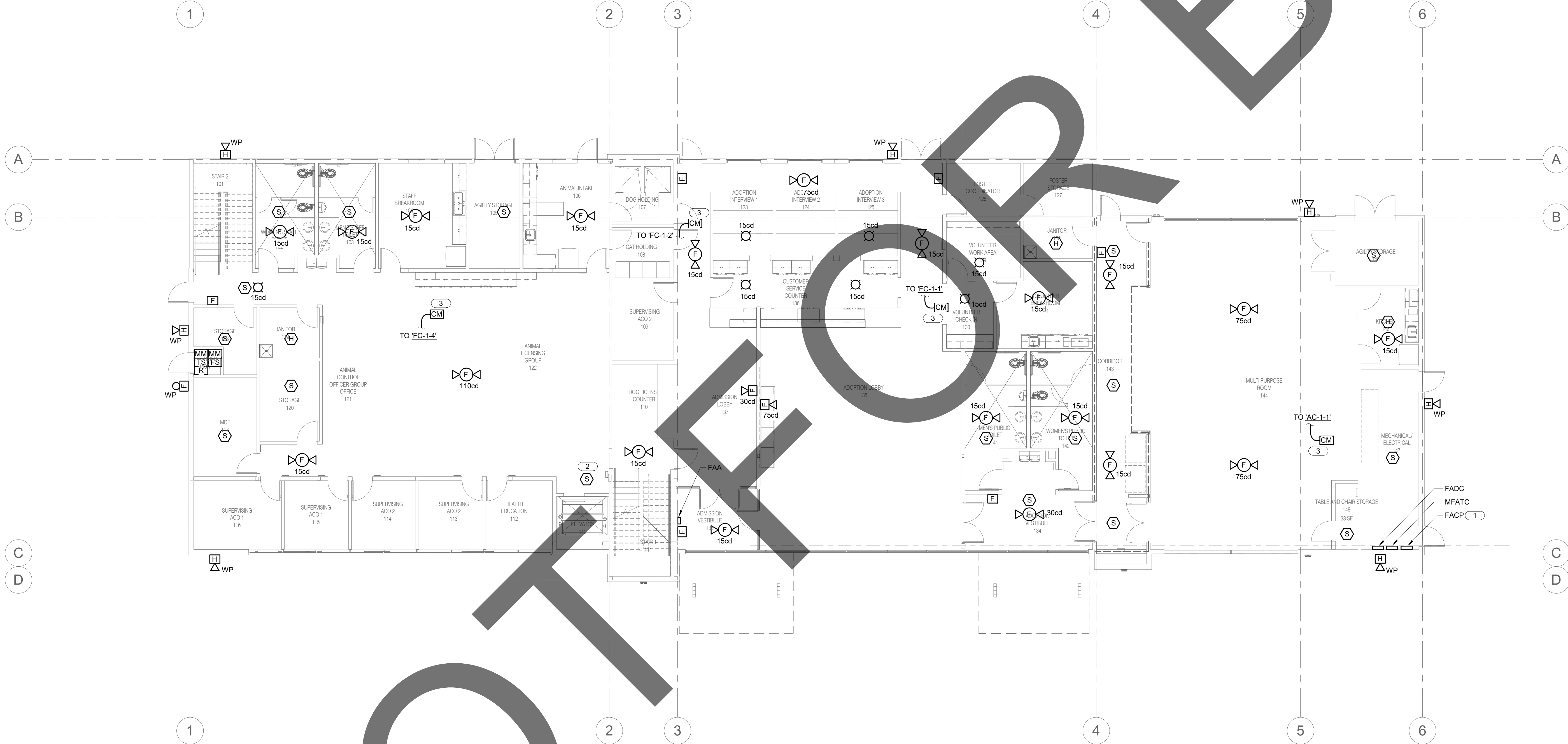
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FIRE ALARM SITE PLAN

sheet number

FAS-101

Sheet Of Sheets



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KEY NOTES: (#)

1. TO DEDICATED 120V CIRCUIT. PROVIDE 'LOOK-ON' DEVICE TO BREAKER AND RED LABEL INDICATING 'FA PANEL' TO CIRCUIT ID. REFER TO POWER PLAN FOR CIRCUIT ASSIGNMENT.
2. SMOKE DETECTOR FOR ELEVATOR RECALL.
3. CONTROL MODULE FOR HVAC UNIT SHUTDOWN.



1

1/8" = 1'-0"

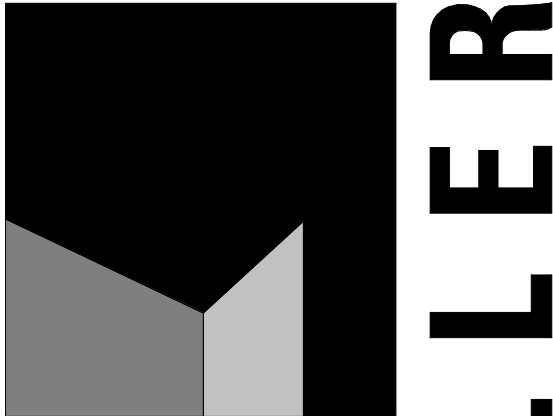
ADMINISTRATION BUILDING FIRE ALARM FIRST FLOOR PLAN

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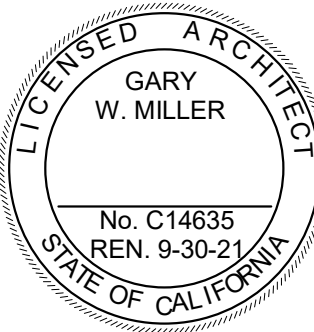
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revisions/addenda

#	Date	Comment
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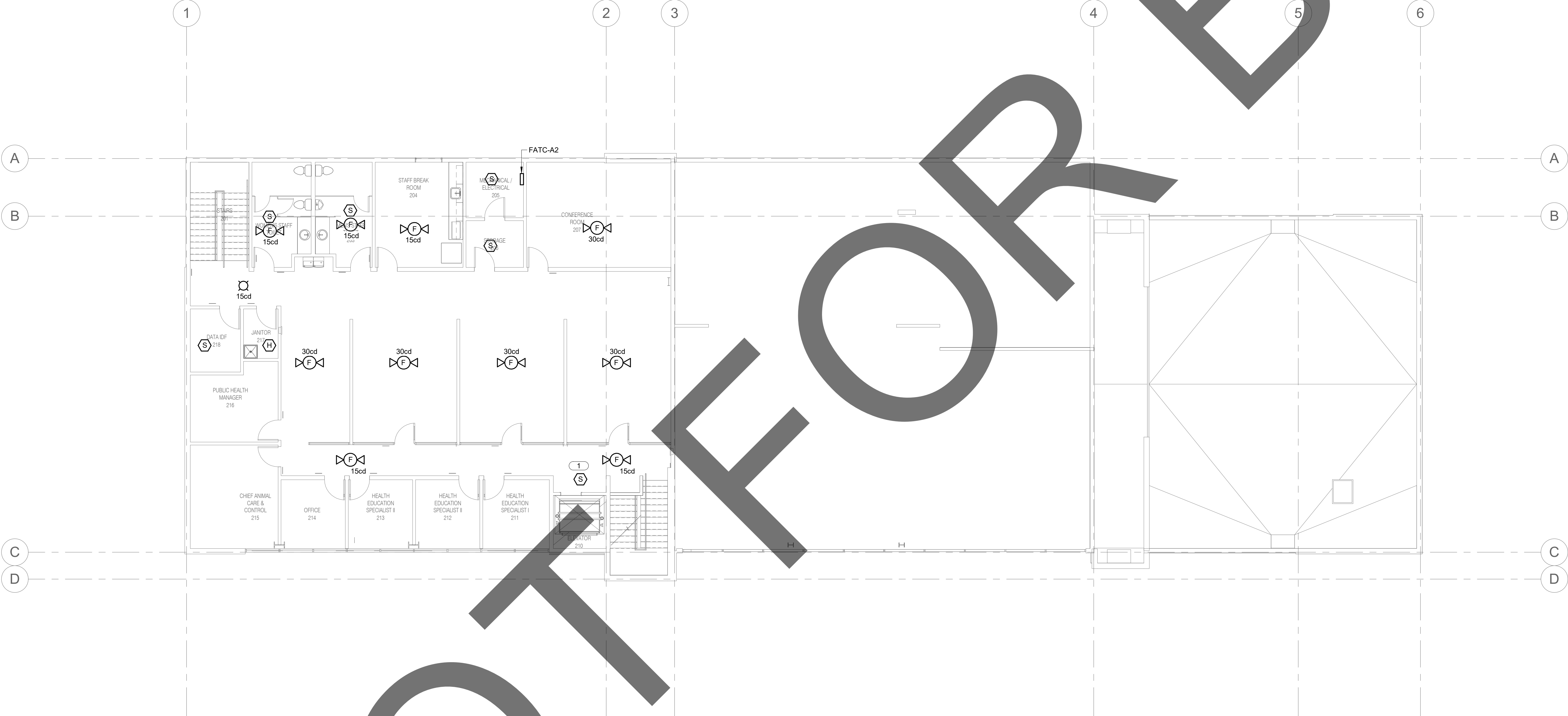
sheet name

ADMINISTRATION
BUILDING FIRE
ALARM FIRST FLOOR
PLAN

sheet number

FAA-101

Sheet Of Sheets



GENERAL NOTES:

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KEY NOTES: (#

1. SMOKE DETECTOR FOR ELEVATOR RECALL.



1

ADMINISTRATION BUILDING FIRE ALARM SECOND FLOOR PLAN

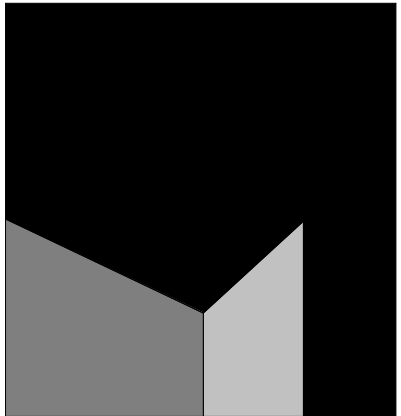
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ADMINISTRATION
BUILDING FIRE
ALARM SECOND
FLOOR PLAN

sheet number

FAA-102

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