SANDOVAL COUNTY
REGIONAL ANIMAL RESOURCE CENTER

PROJECT NO.
R314624.52

STATE OF NEW MEXICO
LAWRENCE D. McDONALD
No. 4238
REGISTERED ARCHITECT
09/23/2025

CONSULTANTS

1. ELECTRICAL CONSULTANT
QA ENGINEERING, LLC.
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ALBUQUERQUE, NM 87108
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Contact: jon@qaengineering.com

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Contact: nerissa@qaengineering.com

4. STRUCTURAL CONSULTANT
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ALBUQUERQUE, NM 87109
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Contact: GBradley@cg-engrs.com

5. CIVIL
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RIO RANCHO, NM 87124-1457
Contact: Donnie Duneman
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Contact: dduneman@Huitt-Zollars.com

6. LANDSCAPE ARCHITECT
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ALBUQUERQUE, NM 87106
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Contact: (512) 940-8298
Contact: emily@anthropop.com

100% CONSTRUCTION DOCUMENTS SUBMITTAL

VISTA SANDIA RD, BERNALILLO, NM

September 23, 2025

SANDOVAL COUNTY · STATE OF NEW MEXICO ·

HUITT ZOLLARS

6501 America's Parkway NE, Suite 830
Albuquerque, NM 87110
CONTACT:Larry McDonald, AIA - Senior Associate
EMAIL:LMcDonald@Huitt-Zollars.com

10/11/2025 1:46:07 PM

DRAWING LEGEND

- EARTH
- BRICK
- GRAVEL
- CONCRETE MASONRY UNITS - CMU
- SAND / MORTAR / GROUT
- STEEL
- CAST-IN- PLACE CONCRETE
- ALUMINUM
- PLYWOOD
- GYPSUM BOARD
- FINISHED WOOD
- INSULATION - BATT, BLANKET OR ACOUSTICAL
- 2x WOOD / DIMENSIONAL LUMBER - CONTINUOUS
- RIGID INSULATION
- 2x WOOD / DIMENSIONAL LUMBER - BLOCKING

SYMBOL LEGEND

- ROOM NAME AND NUMBER TAG
- ROOM NAME AND NUMBER TAG WITH SOUND BAR
- DOOR NUMBER
- REFERENCE KEYNOTE
- SHEET KEYNOTE
- SYSTEMS TAG (FOR EXTERIOR WALLS, PARTITIONS, CEILINGS AND ROOF SYSTEMS)
- WINDOW TAG
- FINISH TAG - ACCENT WALL
- ROOM FINISH TAG
- FLOOR FINISH TAG
- PHOTO REFERENCE
- DETAIL CALLOUT
- ELEVATIONS
- SPOT ELEVATION
- NORTH ARROW
- BUILDING SECTION
- WALL SECTION
- DETAIL CALLOUT
- REVISION CLOUD AND DELTA

GENERAL NOTES

A. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES. IN THE EVENT OF OMISSION OF NECESSARY DIMENSION(S), PROMPTLY NOTIFY THE ARCHITECT IN WRITING.
B. ALL DIMENSIONS ARE TO THE FACE OF MASONRY, CONCRETE, OR THE FACE OF FRAMING, UNLESS NOTED OTHERWISE. ALL MASONRY DIMENSIONS ARE ACTUAL, UNLESS NOTED OTHERWISE.
C. VERIFY ALL DIMENSIONS, CONDITIONS, EXISTING CONSTRUCTION, AND GRADES AT THE JOB SITE. NOTIFY ARCHITECT IN WRITING OF ANY DISCREPANCIES OR CONFLICTS, PRIOR TO CONSTRUCTION.
D. VERIFY SIZE, LOCATION, AND CHARACTERISTICS OF ALL WORK AND EQUIPMENT TO BE INSTALLED OR RELOCATED WHETHER FURNISHED BY OWNER OR BY CONTRACTOR(S) BEFORE ANY CONSTRUCTION PERTAINING TO SAME HAS BEGUN.
E. VERIFY AND COORDINATE THE SIZE AND LOCATION OF ALL THE OPENINGS FOR STRUCTURAL, MECHANICAL, & ELECTRICAL WORK AND EQUIPMENT WITH ALL TRADES INVOLVED.
F. COORDINATE VISUAL APPEARANCE OF ALL ELECTRICAL, MECHANICAL, & PLUMBING WORK AT AREAS W/ EXPOSED CEILING/STRUCTURE AND EXTERIOR FACADES. RUN ALL PIPES, CONDUITS, DUCTWORK, ETC., ORTHOGONAL WITH STRUCTURE W/ ALL TURNS & BENDS AT 90 DEGREES.
G. VERIFY THAT REQUIRED OPERATION AND MAINTENANCE CLEARANCES ARE PROVIDED FOR ALL EQUIPMENT ITEMS.
H. INSTALL ALL ITEMS IN ACCORDANCE W/ THE MANUFACTURER'S WRITTEN INSTRUCTIONS, EXCEPT THAT THE SPECIFICATIONS HEREIN, WHERE MORE STRINGENT, SHALL SUPERSEDE. NOTIFY THE ARCHITECT IN WRITING OF ANY CONFLICTS.
I. PROVIDE CORNER GUARDS AT ALL EXTERIOR CORNERS ON GYPSUM BOARD FINISH WALLS.
J. PROVIDE CONTROL JOINTS AT GYPSUM WALL BOARD WHERE OPENINGS ARE OVER 32".
K. PROVIDE FRP PANEL ON WALLS AROUND UTILITY SINK.
L. INSTALL SILICONE JOINT SEALER AROUND ALL PIPES, DUCTWORK, & STRUCTURE PASSING THRU INTERIOR NON-RATED CONCRETE AND MASONRY WALLS, GYPSUM BOARD PARTITIONS, AND CONCRETE FLOOR/ROOF SLABS.

GENERAL CONSTRUCTION NOTES

A. CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND ASSOCIATED FEES, AS REQUIRED BY THE GOVERNING AUTHORITIES AND SHALL PAY ALL APPLICABLE TAXES.
B. CONTRACTOR/SUBCONTRACTORS SHALL COMPLY WITH ALL APPLICABLE PROVISIONS OF LABOR REGULATIONS AND LAWS AS WELL AS ALL SAFETY AND HEALTH REQUIREMENTS.
C. CONTRACTOR/SUBCONTRACTORS SHALL VISIT THE PROJECT SITE AND CAREFULLY REVIEW THE DRAWINGS PRIOR TO SUBMITTING BIDS, AND SHALL BECOME FAMILIAR WITH THE DRAWINGS AND CONDITIONS AFFECTING THE WORK THROUGH NORMAL VISUAL INSPECTION. IN THE EVENT OF DISCREPANCIES OR QUESTIONS, SUBMIT WRITTEN REQUESTS FOR INFORMATION DIRECTLY TO THE OWNER FOR CLARIFICATION PRIOR TO BID.
CONTRACTOR/SUBCONTRACTORS SHALL CALL FOR AND RECEIVE ALL NECESSARY INSPECTIONS BY THE GOVERNING AUTHORITIES DURING THE ENTIRE CONSTRUCTION PERIOD, AND SHALL COMPLY WITH ALL APPLICABLE CODES FOR THE SCOPE OF WORK OF THIS PROJECT AS INDICATED IN THE CONTRACT DOCUMENTS.
D. CONTRACTOR/SUBCONTRACTORS SHALL VERIFY ALL DIMENSIONS OF THE DRAWINGS WITH THE ACTUAL PROJECT SITE CONDITIONS PRIOR TO CONSTRUCTION. IN THE EVENT OF DIMENSIONAL DISCREPANCIES, NOTIFY THE ARCHITECT IMMEDIATELY FOR FURTHER DIRECTION. ANY CHANGES TO THE DRAWINGS OR SPECIFICATIONS MUST HAVE THE APPROVAL OF THE OWNER.
E. REFER TO OTHER APPLICABLE GENERAL NOTES ON OTHER SHEETS OF THIS SET OF DRAWINGS.
F. THE DRAWINGS HAVE BEEN PREPARED IN A MANNER WHICH PRESENTS THE OVERALL CONSTRUCTION SEQUENCE INVOLVING MANY TRADES.
G. FLOOR FINISHES TO BE CONTINUED UNDER BUILT-IN FURNISHINGS SUCH AS CABINETRY, UNLESS NOTED OTHERWISE. WALLS TO BE PAINTED BEHIND CABINETRY.
H. PARKING FOR CONTRACTOR PERSONNEL VEHICLES & STAGING AREA SHALL BE APPROVED BY THE OWNER.
I. COORDINATE WITH THE OWNER FOR WORK / EQUIPMENT TO BE OWNER FURNISHED CONTRACTOR INSTALLED OR OWNER FURNISHED & INSTALLED.
J. CONTRACTOR SHALL NOT ATTACH ANCHOR DEVICES TO ANY STRUCTURAL MEMBER WITHOUT APPROVAL FROM THE ARCHITECT.
K. UTILITY SHUT DOWN PROTOCOL SHALL BE SUBMITTED AND APPROVED BY THE OWNER PRIOR TO ANY SYSTEMS SHUTDOWN.
L. CONTRACTOR TO COORDINATE WITH OWNER FOR THE RELOCATION OF ELECTRICAL FIXTURES AND EQUIPMENT THAT ARE IMPACTED BY NEW CONSTRUCTION. CONTRACTOR IS TO NOTIFY OWNER BEFORE PROCEEDING WITH WORK.
M. THE TERM "REMOVE" USED IN THIS PLAN SET INCLUDES THE DISPOSAL OF SAID MATERIAL IN ACCORDANCE WITH THE SPECIFICATIONS UNLESS OTHERWISE NOTED.
N. HOLES CUT IN SURFACES SHALL BE CORED OR DRILLED FIRST AT ALL CORNERS TO ELIMINATE OVERCUTTING. AS AN OPTION, IF CUTTING TOOLS ARE AVAILABLE THAT ELIMINATE OVERCUTTING THEY MAY BE USED. OVERCUTTING AND PATCHING WILL NOT BE ACCEPTED.
O. PREPARE SURFACES AS REQUIRED TO RECEIVE NEW FINISHES AS INDICATED ON PLANS AND FINISH SCHEDULE.
P. REMOVE ALL CONSTRUCTION DEBRIS FROM INSIDE THE BUILDING(S) AS IT IS PRODUCED. DO NOT WAIT UNTIL THE END OF THE DAY. PLACE IN LARGE COLLECTION CONTAINERS, COMPLY WITH OWNER'S POLICY AND DEPOSIT OFF THE OWNER'S PROPERTY IN A LEGAL DUMP UNLESS OTHERWISE INSTRUCTED.
Q. UTILIZE PLASTIC SHEETING TO CONTAIN DUST. BE CAREFUL NOT TO DAMAGE EXISTING FINISHES TO REMAIN.
R. THE FINISH ELEVATION OF NEW FINISH FLOORING SHALL FLUSH OUT, UNLESS SHOWN OTHERWISE.
S. FOR ACCESSIBLE CLEARANCES, COMPLY WITH REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE (2021), AND ANSI 117.1- 2017 AMERICAN NATIONAL STANDARD ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES.
T. THE CONTRACTOR WILL BE RESPONSIBLE FOR DISPOSING OF ALL DEBRIS TO DISPOSAL SITES APPROVED BY REGULATORY AGENCIES REGULATING THE DISPOSAL OF MATERIALS. IF HAZARDOUS MATERIALS ARE ENCOUNTERED OR SUSPECTED THE CONTRACTOR SHALL NOTIFY THE OWNER. THE OWNER WILL REMOVE OR ARRANGE FOR THE REMOVAL OF THESE MATERIALS.
U. THE CONTRACTOR AGREES TO TAKE NECESSARY SAFETY PRECAUTIONS AS REQUIRED BY FEDERAL, STATE AND LOCAL AUTHORITIES TO PROTECT PEDESTRIAN AND VEHICULAR TRAFFIC IN THE CONSTRUCTION AREA, WHICH INCLUDE BUT ARE NOT LIMITED TO: MAINTAINING ADEQUATE WARNING SIGNS, BARRICADES, LIGHTS, GUARD FENCES, WALKS AND BRIDGES.
V. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM BUILDING, FENCING AND/OR EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
W. FULL CLOSURES ARE ASSUMED AT ALL PARTITIONS, WALLS, CEILINGS, ROOFS, AND JUNCTIONS. IF SPECIFIC CLOSURE DETAILS ARE NOT INDICATED AT A GIVEN CONDITION, CONTRACTOR SHALL CONSTRUCT CLOSURES IN KEEPING WITH THE ADJACENT CONSTRUCTION OR IN KEEPING WITH THE INDUSTRY STANDARD FOR MAKING SUCH CLOSURES. ALL FINISH MATERIALS TO BE COPED IN AND AROUND STRUCTURAL ELEMENTS AND OTHER PENETRATING ITEMS IN ORDER TO MAKE A COMPLETE CLOSURE.

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C-301	UTILITY PLAN
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DESIGN CRITERIA

PROJECT NAME: SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER (SCRARC)

OWNER'S ADDRESS: BERNALILLO, NM

PROJECT LOCATION: VISTA SANDIA RD,
BERNALILLO, NM

OWNER'S CONTACT: Jayme Espinoza
Director of Community Services
1500 Idalia Rd Bldg D
PO Box 40 Bernalillo, NM 87004
o. 505-867-7556 c. 505-362-0667
jespinoza@sandovalcountynm.gov

ARCHITECT'S CONTACT: LAWRENCE D. McDONALD, AIA
505.883.8114
LMCDONALD@HUITT-ZOLLARS.COM

PROJECT SUMMARY:

BUILDING
THE PROJECT SCOPE INCLUDES 2 BUILDINGS TO PROVIDE ANIMAL RESOURCE SERVICES TO THE SURROUNDING COMMUNITY. BOTH BUILDINGS ARE CONCRETE SLAB ON GRADE STEEL FRAMED BUILDINGS WITH MEMBRANE ROOFS AND EXTERIOR FINISH SYSTEM.
THE MAIN BUILDING WILL HOUSE STAFF, EXAM ROOM, ANIMAL INTAKE AND ADOPTION SERVICES. THE SECONDARY KENNEL BUILDING IS DEVOTED TO HOUSING AND CARING FOR THE ANIMALS.
A COVERED FENCED IN STRUCTURE WILL BE USED FOR TEMPORARY HOLDING OF LARGER ANIMALS. A SEPARATE EXISTING MODULAR BUILDING WILL BE RELOCATED TO THE SITE AND USED FOR ANIMALS REQUIRING QUARANTINE.

SITE
THE SITE IS BEING DEVELOPED TO INCLUDE SPACE FOR FUTURE KENNEL BUILDINGS AS THE DEMAND FOR ADDITIONAL RESOURCES INCREASES. A DOG PLAY AREA IS ALSO BEING PLANNED TO PROVIDE SPACE FOR ANIMAL RECREATION AND MEDICAL SERVICES THAT CAN BE PROVIDED BY MOBILE UNITS.

MAIN BUILDING: 7,350 SF
KENNEL BUILDING: 3,030 SF

KENNELS:
42 LARGE KENNELS
6 X-LARGE KENNELS
12 SMALL ANIMAL KENNELS

PROJECT LOCATION

PROJECT LOCATION

HUITT ZOLLARS
6501 Americas Parkway NE, Suite 830
Albuquerque, New Mexico 87110-5375
505.883.8114
www.huitt-zollars.com

STATE OF NEW MEXICO
LAWRENCE D. McDONALD
No. 4238
REGISTERED ARCHITECT
09/23/2025

SANDOVAL COUNTY · STATE OF NEW MEXICO

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA RD
BERNALILLO, NM

PROJECT NO.:	R314624.52
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
3	09/23/2025	100% CDs
2	07/25/2025	95% CDs
1	05/16/2025	70% CDs

GENERAL INFORMATION, DRAWING INDEX

G-001

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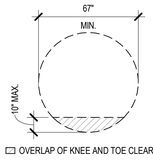


FIG. 304.3.1.1
CIRCULAR TURNING SPACE
NEW BUILDING

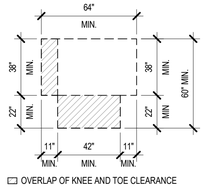


FIG. 304.3.2.1 (B)
T-SHAPED TURNING SPACE
NEW BUILDING

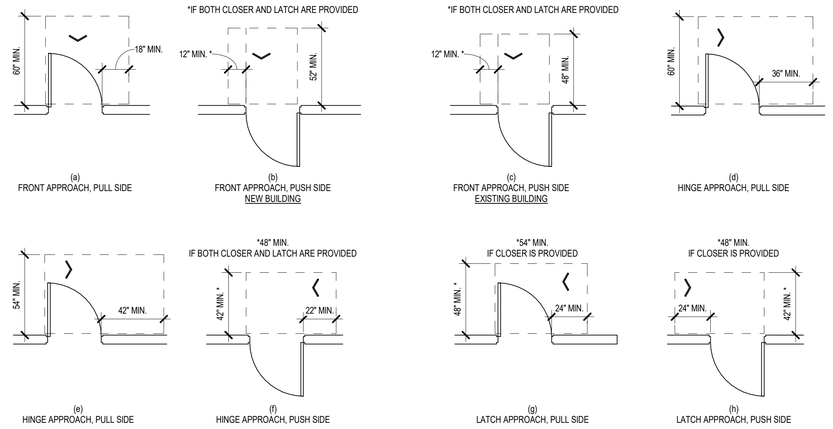


FIG. 404.2.3.2
MANEUVERING CLEARANCES AT MANUAL SWINGING
DOORS AND GATES

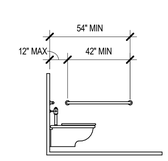


FIG. 604.5.1
SIDE WALL GRAB BAR
AT WATER CLOSETS

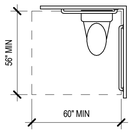


FIG. 604.3.1
SIZE OF CLEARANCE AT
WATER CLOSET

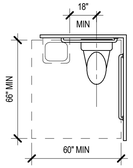


FIG. 604.3.2
(EXCEPTION) OVERLAP
OF WATER CLOSET
CLEARANCE IN
RESIDENTIAL DWELLING

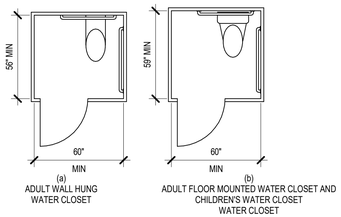


FIG. 604.8.1.1
SIZE OF WHEELCHAIR ACCESSIBLE TOILET
COMPARTMENT

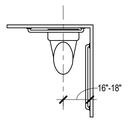


FIG. 604.2
WATER CLOSET LOCATION

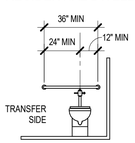


FIG. 604.5.2
REAR WALL GRAB BAR AT WATER
CLOSETS

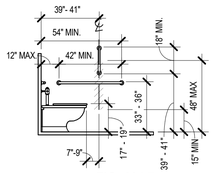


FIG. 604.7
DISPENSER OUTLET
LOCATION

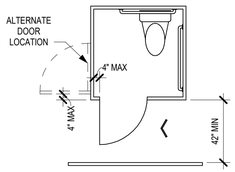


FIG. 604.8.1.2
WHEELCHAIR ACCESSIBLE TOILET
COMPARTMENT DOORS

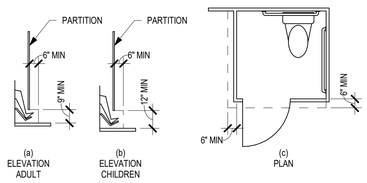


FIG. 604.8.1.4
WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT TOE
CLEARANCE

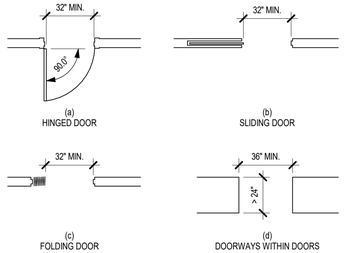


FIG. 404.2.2
CLEAR WIDTH OF DOORWAYS

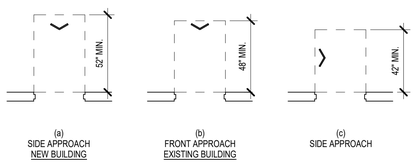


FIG. 404.2.3.4
MANEUVERING CLEARANCES FOR DOORWAYS
WITHOUT DOORS OR GATES

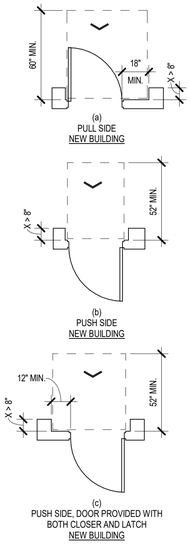


FIG. 404.2.3.5
MANEUVERING CLEARANCES AT RECESSED
DOORS AND GATES

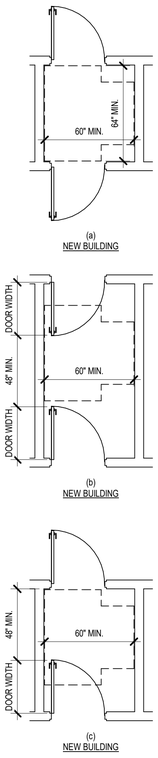
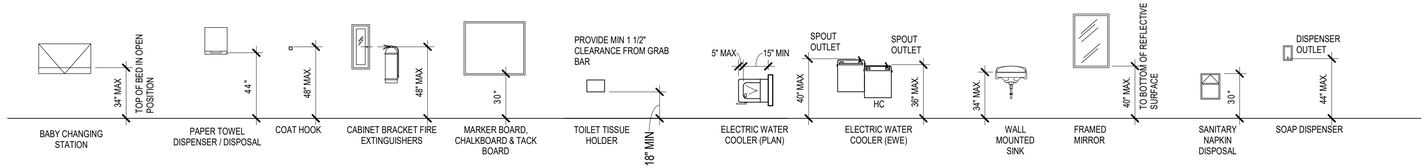


FIG. 404.2.5
TWO DOORS OR GATES
IN A SERIES



A2 **MOUNTING HEIGHTS**
1/4" = 1'-0"

HUITT ZOLLARS
6501 Americas Parkway NE, Suite 830
Albuquerque, New Mexico 87110-5375
505.883.8114
www.huitt-zollars.com

STATE OF NEW MEXICO
LAWRENCE D. McDONALD
No. 4238
REGISTERED ARCHITECT
09/23/2025

SANDOVAL COUNTY
STATE OF NEW MEXICO

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA RD
BERNALILLO, NM

PROJECT NO.:	R314624.52
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
3	09/23/2025	100% CDs
2	07/25/2025	95% CDs
1	05/16/2025	70% CDs

ACCESSIBILITY STANDARDS

G-002

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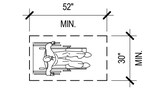


FIG. 305.3.1
CLEAR FLOOR OR GROUND SPACE
NEW BUILDING

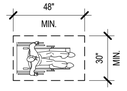


FIG. 305.3.2
CLEAR FLOOR OR GROUND SPACE
EXISTING BUILDING

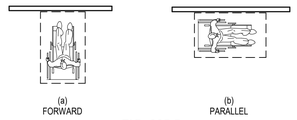


FIG. 305.5
POSITION OF CLEAR FLOOR OR GROUND SPACE

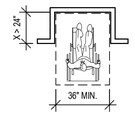


FIG. 305.7.2
MANEUVERING CLEARANCE IN AN ALCOVE, FORWARD APPROACH

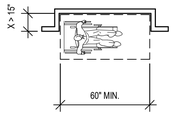


FIG. 305.7.1
MANEUVERING CLEARANCE IN AN ALCOVE, PARALLEL APPROACH

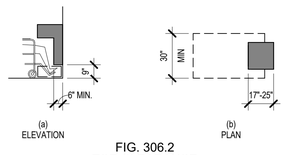


FIG. 306.2
TOE CLEARANCE

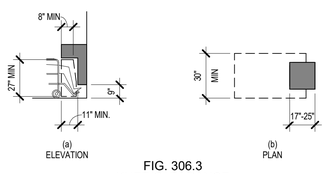


FIG. 306.3
KNEE CLEARANCE

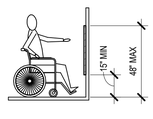


FIGURE 308.2.1
UNOBSTRUCTED FORWARD REACH

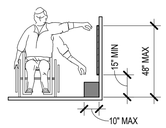
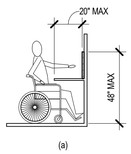
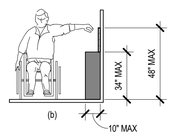
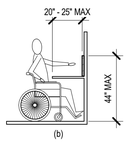


FIGURE 308.3.1
UNOBSTRUCTED SIDE REACH







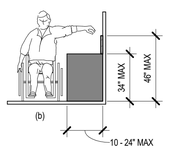


FIGURE 308.2.2
OBSTRUCTED HIGH FORWARD REACH

FIGURE 308.3.2
UNOBSTRUCTED HIGH SIDE REACH

FIG. 302.2
CARPET PILE HEIGHT

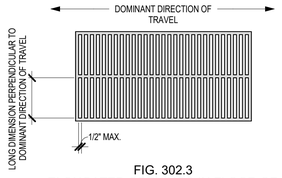
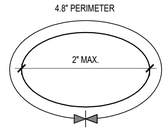
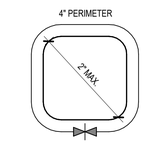


FIG. 302.3
ELONGATED OPENINGS IN FLOOR OR GROUND SURFACES





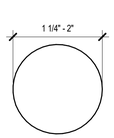


FIG. 609.2
GRAB BAR NON-CIRCULAR CROSS SECTION

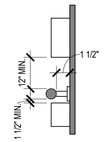


FIG. 609.3
SPACING OF GRAB BARS

TABLE 703.2.4 VISUAL CHARACTER HEIGHT		
HEIGHT ABOVE FLOOR FROM BASELINE OF CHARACTER	HORIZONTAL VIEWING DISTANCE	MINIMUM CHARACTER HEIGHT
40 IN. (1015MM) TO LESS THAN OR EQUAL TO 70 IN.(1780 MM)	LESS THAN 6 FEET (1830 MM)	5/8 IN. (16 MM)
	6 FEET (1830 MM) AND GREATER	5/8 IN (16 MM), PLUS 1/8 IN. (3.2 MM) PER FOOT (305 MM) OF VIEWING DISTANCE ABOVE 6 FEET (1830 MM)
GREATER THAN 70 IN (1780 MM) TO LESS THAN OR EQUAL TO 120 IN (3050 MM)	LESS THAN 15 FEET (5470 MM)	2 IN (51 MM)
	15 FEET. (4560 MM) AND GREATER	2 IN. (51 MM), PLUS 1/8 IN. (3.2 MM) PER FOOT (3-5 MM) OF VIEWING DISTANCE ABOVE 15 FEET (4570 MM)
GREATER THAN 120 IN. (3050 MM)	LESS THAN 21 FEET (6400 MM)	3 IN. (75 MM)
	21 FEET (6400 MM) AND GREATER	3 IN. (75 MM), PLUS 1/8 IN. (3.2 MM) PER FOOT 305 MM) OF VIEWING DISTANCE ABOVE 21 FEET (6400 MM)

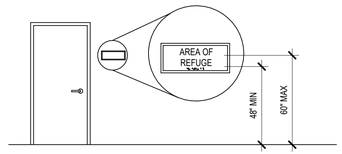


FIG. 703.3.10
HEIGHT OF TACTILE CHARACTERS ABOVE FINISH FLOOR OR GROUND

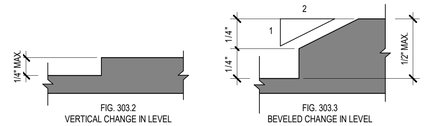


FIG. 303.2
VERTICAL CHANGE IN LEVEL

FIG. 303.3
BEVELED CHANGE IN LEVEL

FIG. 303.2
ELONGATED OPENINGS IN FLOOR OR GROUND SURFACES

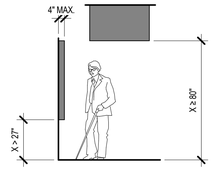


FIG. 307.2
LIMITS OF PROTRUDING OBJECTS

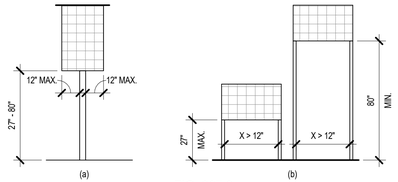


FIG. 307.3
POST-MOUNTED PROTRUDING OBJECTS

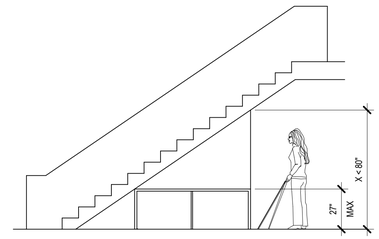


FIG. 307.4
VERTICAL CLEARANCE

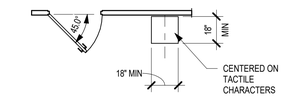


FIG. 703.3.11
LOCATION OF TACTILE SIGNS AT DOORS

FIG. 703.5
PICTOGRAM FIELD

FIG. 703.6.3.1
PROPORTIONS INT. SYMBOL OF ACCESSIBILITY

FIG. 703.6.3.2
INT. SYMBOL OF TTY

FIG. 703.6.3.3
INT. SYMBOL OF ACCESS FOR HEARING LOSS

FIG. 703.6.3.4
VOLUME CONTROL TELEPHONE

FIG. 703.7.2
INTERNATIONAL SYMBOLS

HUITT ZOLLARS
6501 Americas Parkway NE, Suite 830
Albuquerque, New Mexico 87110-5375
505.883.8114
www.huitt-zollars.com

STATE OF NEW MEXICO
LAWRENCE D. McDONALD
No. 4238
REGISTERED ARCHITECT
09/23/2025

SANDOVAL COUNTY • STATE OF NEW MEXICO •

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA RD
BERNALILLO, NM

PROJECT NO.:	R314624.52
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
3	09/23/2025	100% CDs
2	07/25/2025	95% CDs
1	05/16/2025	70% CDs

ACCESSIBILITY STANDARDS

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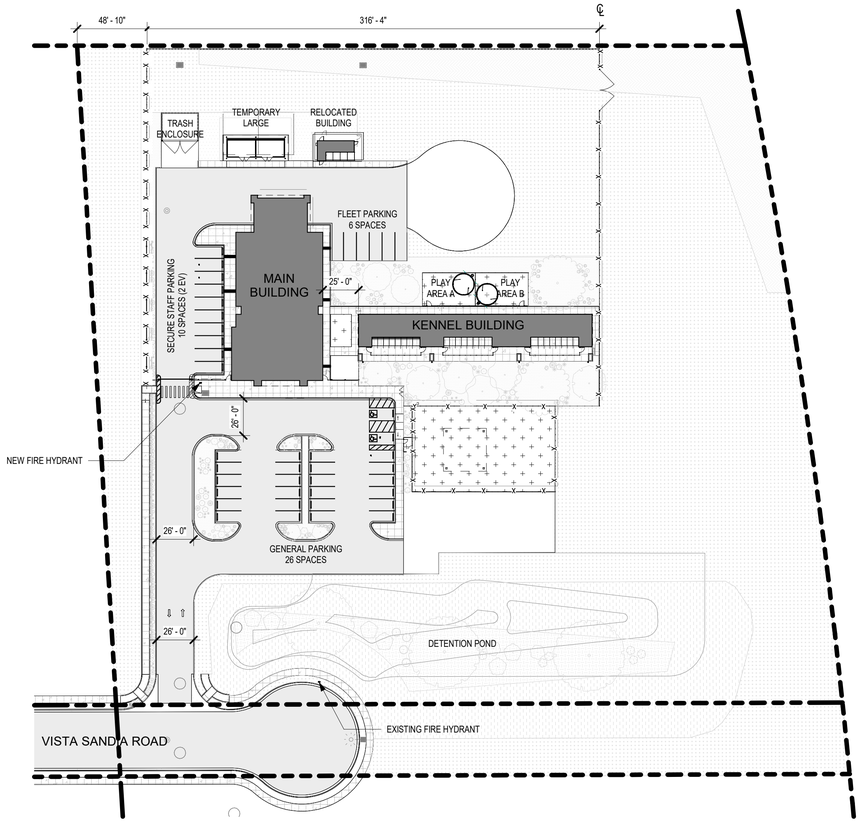
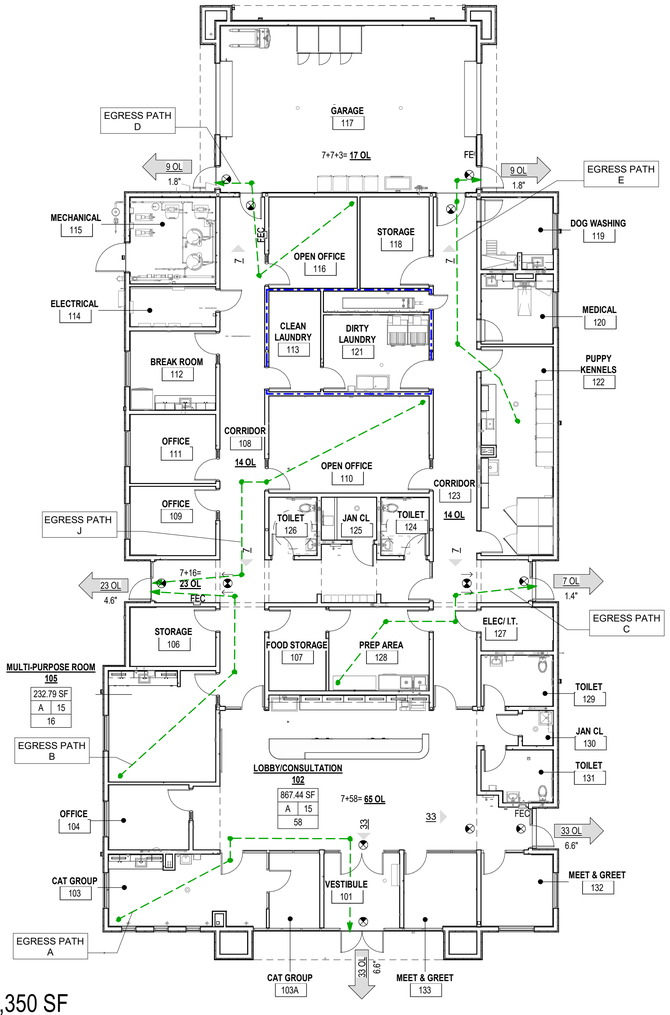
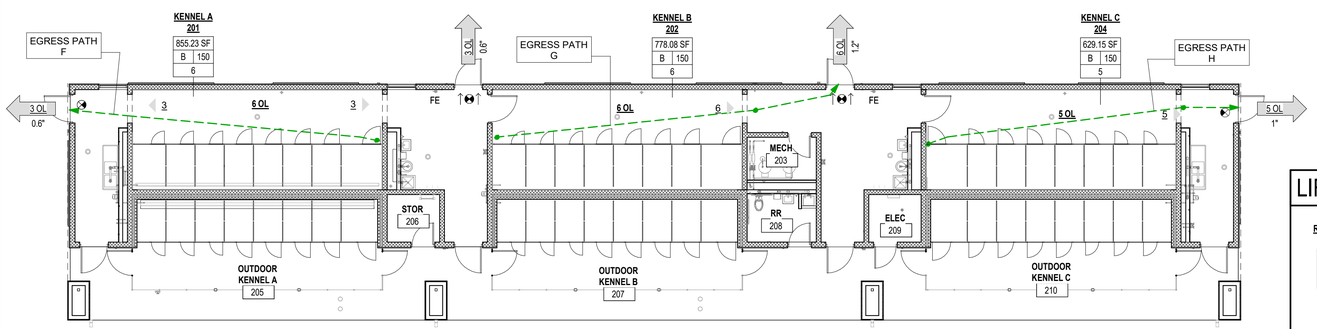


B1 **LIFE SAFETY PLAN - SITE**
1" = 50'-0"



7,350 SF

B3 **LIFE SAFETY PLAN - MAIN BUILDING**
1" = 10'-0"



3,030 SF

A1 **LIFE SAFETY PLAN - KENNEL BUILDING**
1" = 10'-0"

PATH OF EGRESS TRAVEL

Mark	Length
EGRESS PATH A	50' - 7"
EGRESS PATH B	44' - 0"
EGRESS PATH C	35' - 8"
EGRESS PATH D	34' - 7"
EGRESS PATH E	40' - 5"
EGRESS PATH F	43' - 3"
EGRESS PATH G	48' - 11"
EGRESS PATH H	43' - 11"
EGRESS PATH J	53' - 6"

LIFE SAFETY SYMBOL LEGEND

ROOM NAME
101
AREA
B LF
OL
ROOM AREA
OCCUPANCY TYPE
OCCUPANT LOAD FACTOR
OCCUPANT LOAD

LOCATION OF MAX. PATH OF TRAVEL
20 OL
4"
EXIT LOAD
EXIT DISCHARGE
EXIT CAPACITY REQUIRED

EXIT SIGN
FEC RECESSED FIRE EXTINGUISHER CABINET
FE FIRE EXTINGUISHER
NON-RATED WALL
(1) ONE HOUR FIRE RESISTANT WALL
PATH OF EGRESS

CODE DATA

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER - TOWN OF BERNALILLO, NM

APPLICABLE CODES
2021 NEW MEXICO COMMERCIAL BUILDING CODE NMAC 14.7.2
2021 NEW MEXICO EXISTING BUILDING CODE NMAC 14.7.7
2021 NFPA 101 – LIFE SAFETY CODE
2012 NEW MEXICO SOLAR ENERGY CODE
2021 NEW MEXICO COMMERCIAL ENERGY CODE NMAC 14.7.9 (eff 7.30.24) (Climate Zone 4B)
2018 NEW MEXICO COMMERCIAL ENERGY CONSERVATION CODE NMAC 14.7.9 (Climate Zone 4B)
ICC/ANSI A117.1 – 2017 (UPDATE TO 2009)
2021 NEW MEXICO MECHANICAL CODE NMAC 14.9.2
2021 NEW MEXICO PLUMBING CODE NMAC 14.8.2
2021 UNIFORM PLUMBING CODE (ADOPTED EFFECTIVE 03.10.22)
2012 NEW MEXICO SOLAR ENERGY CODE NMAC 14.9.6
2020 NEW MEXICO ELECTRICAL CODE NMAC 14.10.4
2012 NEW MEXICO ELECTRICAL SAFETY CODE NMAC 14.10.5
2022 UNIFORM ADMINISTRATIVE CODE

ADDITIONAL CODES REFERENCED:
ASHRAE 90.1 - 2022
AMERICANS WITH DISABILITIES ACT ADA;
ACCESSIBILITY GUIDELINES for BUILDINGS and FACILITIES (ADAAG)

PROJECT CODE SUMMARY

1. OCCUPANCY CLASSIFICATION (IBC CH. 3, Sec. 304): GROUP B BUSINESS
2. TYPE OF CONSTRUCTION (IBC CH. 6): II-B NON-COMBUSTIBLE; NOT PROTECTED
3. AUTOMATIC SPRINKLER (IBC CH. 9, Sec 903): NON-SPRINKLED
4. BUILDING HEIGHTS AND AREAS (IBC CH. 5, Sec 503 - 507)
   - A. ALLOWABLE MAX HEIGHT (TABLE 504.3): 55 FEET
     ACTUAL HEIGHT: **23 FEET**
   - B. MAXIMUM STORIES (TABLE 504.4): 3 STORIES
     ACTUAL STORIES: **1 STORY**
   - C. ALLOWABLE AREA (TABLE 506.2): 23,000 SF
     ACTUAL FLOOR AREA: MAIN BUILDING - **7,350 SF**
     KENNEL BUILDING - **3,030 SF**
5. CONSTRUCTION CLASSIFICATION (IBC CH.6, SEC 602):
   - A. REF IBC TABLE 601, FOR CONST TYPE IIB, FIRE RESISTANCE RATING BUILDING ELEMENTS:
     PRIMARY STRUCTURAL FRAME: 0 HOURS
     BEARING WALLS – EXTERIOR: 0 HOURS (REF TABLE 705.5 / NOT REQ'D >30')
     BEARING WALLS – INTERIOR: 0 HOURS
     NON-BEARING WALLS – EXTERIOR: 0 HOURS (REF TABLE 705.5 / NOT REQ'D >30')
     NON-BEARING WALLS – INTERIOR: 0 HOURS
     FLOOR CONSTRUCTION: 0 HOURS
     ROOF CONSTRUCTION: 0 HOURS
8. WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY (IBC SEC 803):
   - A. OCCUPANCY B
     EXIT PASSAGEWAYS: A
     CORRIDORS: B
     ROOMS AND ENCLOSED SPACES: C
9. FIRE PROTECTION:
   - AUTOMATIC SPRINKLER SYSTEM: NOT PROVIDED
   - MANUAL FIRE ALARM: PROVIDED
10. MEANS OF EGRESS (IBC CH. 10, SEC 1004)
11. EXIT ACCESS REQUIREMENTS:
    - NUMBER OF EXITS: (TABLE 1006.3.3)
      OCC LOAD PER STORY 1-500: 2 MINIMUM
    - MAXIMUM TRAVEL DISTANCE (TABLE 1017.2): 200 FT WITHOUT SPRINKLER
      PROVIDED: 78' FT
    - STAIRWAYS AND RAMPS: N/A
12. ACCESSIBILITY REQUIREMENTS
    PROVIDE PER ANSI/ICC 117.1, 2017 ed. REFER TO SHEETS G-002 & G-003
13. OCCUPANT LOAD EVALUATION FOR PLUMBING FIXTURES:
    TOTAL PLUMBING FIXTURE OCCUPANT LOAD: **49 OCCUPANTS (25 per Gender)**
    - MAIN BUILDING 7,350 SF (7,350SF/150) = 49 OCCUPANTS (25 per Gender)
    - KENNEL BUILDING 3,030 SF (3,030SF/150) = 21 OCCUPANTS
14. MINIMUM PLUMBING FIXTURES REQUIRED (TABLE 2902.1):

GROUP B BUSINESS (OFFICES & KENNELS)	MAIN BUILDING: 7,350 SF KENNEL BUILDING: 3,030 SF	
MALE OCCUPANTS:	25	
FEMALE OCCUPANTS:	25	
A. WATER CLOSETS: (1:25 FOR FIRST 50 OCCUPANTS AND 1:50 REMAINDER)	# REQUIRED	#PROVIDED
MALE:	1	2
FEMALE:	2	2
GENDER NEUTRAL	0	1
B. LAVATORIES: (1:40 FOR FIRST 80 OCCUPANTS AND 1:80 REMAINDER)	# REQUIRED	#PROVIDED
MALE:	1	2
FEMALE:	2	2
GENDER NEUTRAL	0	1
C. DRINKING FOUNTAINS: (1 PER 100):	# REQUIRED	#PROVIDED
	1	2
D. SERVICE SINKS:	# REQUIRED	#PROVIDED
	1	2

15. ENERGY EFFICIENCY:
    - CLIMATE ZONE: 4B
    - SLAB: R-15 FOR 24" BELOW (PERIMETER)
    - WALLS: R-13 + 7.5ci (METAL FRAMED)
    - ROOF: R-30

    MAXIMUM U-FACTORS:
    - FIXED FENESTRATION: 0.36 SHGC 0.36
    - ENTRANCE DOORS: 0.63
    - OPAQUE DOORS: 0.37
    - GARAGE DOOR: 0.31
    - VERTICAL FENESTRATION: 0.7 MIN
    - CONTINUOUS AIR BARRIER IS REQUIRED.

    - EV POWER TRANSFER INFRASTRUCTURE: 42 PARKING SPACED REQUIRED
    - EVSE SPACES: 5% OF 42 SPACES = 3 SPACES REQUIRED
    - EV CAPABLE SPACES: 5% OF 42 SPACES = 3 SPACES REQUIRED

SHOW CALC TO CONFIRM TO:

C402.4.1: Maximum area.

The vertical fenestration area, not including opaque doors and opaque panels, shall be not greater than 30 percent of the gross abovegrade wall area. The skylight area shall be not greater than 3 percent of the gross roof area.

The building thermal envelope shall be tested in accordance with ASTM E779, ANSI/RESNET/ICC 380, ASTM E3158 or ASTM E1827 or an equivalent method approved by the code official.

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STATE OF NEW MEXICO
LAWRENCE D. McDONALD
No. 4238
REGISTERED ARCHITECT
09/23/2025

SANDOVAL COUNTY STATE OF NEW MEXICO

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA RD
BERNALILLO, NM

PROJECT NO.:	R314624.52
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

4	09/23/2025	100% CDs
3	07/25/2025	95% CDs
2	05/16/2025	70% CDs
1	12/23/2024	Design Development
MARK	DATE	DESCRIPTION

LIFE SAFETY PLAN

LS101

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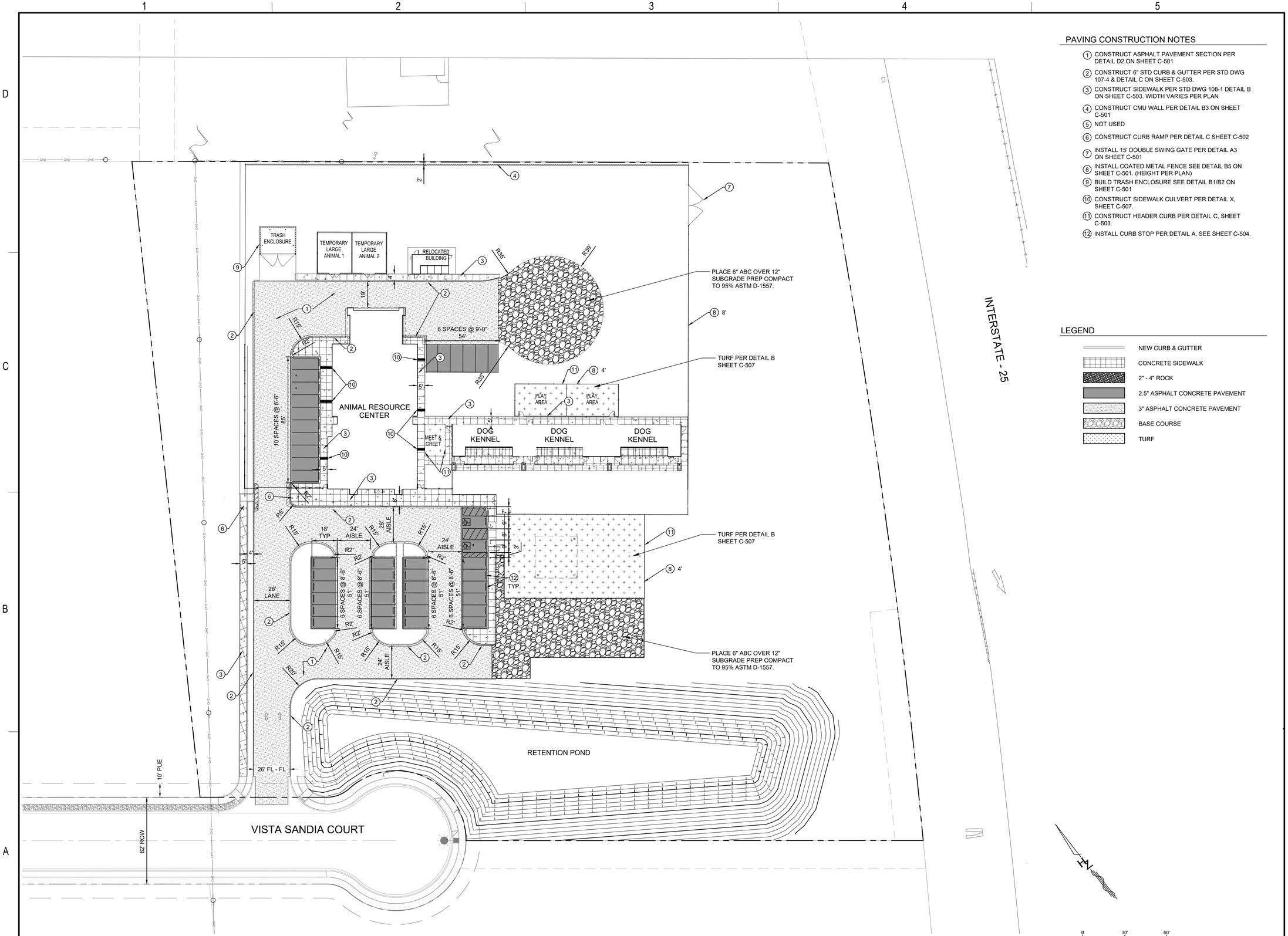
10/17/2025 1:46:24 PM



PAVING CONSTRUCTION NOTES

1. CONSTRUCT ASPHALT PAVEMENT SECTION PER DETAIL D2 ON SHEET C-501
2. CONSTRUCT 6" STD CURB & GUTTER PER STD DWG 107-4 & DETAIL C ON SHEET C-503.
3. CONSTRUCT SIDEWALK PER STD DWG 108-1 DETAIL B ON SHEET C-503. WIDTH VARIES PER PLAN
4. CONSTRUCT CMU WALL PER DETAIL B3 ON SHEET C-501
5. NOT USED
6. CONSTRUCT CURB RAMP PER DETAIL C SHEET C-502
7. INSTALL 15' DOUBLE SWING GATE PER DETAIL A3 ON SHEET C-501
8. INSTALL COATED METAL FENCE SEE DETAIL B5 ON SHEET C-501. (HEIGHT PER PLAN)
9. BUILD TRASH ENCLOSURE SEE DETAIL B1/B2 ON SHEET C-501
10. CONSTRUCT SIDEWALK CULVERT PER DETAIL X, SHEET C-507.
11. CONSTRUCT HEADER CURB PER DETAIL C, SHEET C-503.
12. INSTALL CURB STOP PER DETAIL A, SEE SHEET C-504.

LEGEND

- NEW CURB & GUTTER
- CONCRETE SIDEWALK
- 2" - 4" ROCK
- 2.5" ASPHALT CONCRETE PAVEMENT
- 3" ASPHALT CONCRETE PAVEMENT
- BASE COURSE
- TURF

SCALE: 1" = 30'

SC ANIMAL SHELTER - SITE PLAN

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DAVID M. DUNEMAN
NEW MEXICO
17616
PROFESSIONAL ENGINEER
10/24/25

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA CT
BERNALILLO, NM

PROJECT NO.:	R314624.52
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
3	08/12/25	95% & CD's
2	05/16/25	60% & CD's
1	12/23/24	Design Development

SITE PLAN

C-101

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GRADING KEYED NOTES

1. BUILD RETENTION POND WITH 3:1 SIDE SLOPES. SEE LANDSCAPE PLANS FOR SURFACE TREATMENTS.
2. INSTALL 12" HDPE ADS N-12 OR APPROVED EQUAL STORM DRAIN.
3. INSTALL 8" HDPE ADS N-12 OR APPROVED EQUAL STORM DRAIN.
4. INSTALL BEEHIVE INLET PER DETAIL A. SEE SHEET C-507.
5. INSTALL FRENCH DRAIN PER DETAIL B. SEE SHEET C-507.
6. INSTALL 12" FLARED END SECTION
7. INSTALL INLET PER DETAIL C SHEET C-506 WITH FILTER PER DETAIL D. SEE SHEET C-506.

LEGEND

- 5050 — EXISTING (INDEX) CONTOUR
- 5051 — EXISTING (INTERMEDIATE) CONTOUR
- 5040 — PROPOSED (INDEX) CONTOUR
- 5041 — PROPOSED (INTERMEDIATE) CONTOUR
- GRADING LIMITS
- FLOW DIRECTION
- 2" - 4" ROCK
- SIDEWALK
- FG=XX.XX — FINISHED GRADE
- XXXX.X (EX) — EXISTING GRADE
- TBC XXX — TOP BACK OF CURB
- PROPOSED SWALE

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SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA CT
BERNALILLO, NM

PROJECT NO.:	R314624.52
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
3	08/12/25	95% & CD's
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GRADING PLAN

C-201

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SC ANIMAL SHELTER - GRADING PLAN

SCALE: 1" = 30'

Plotted: 10/24/2025 11:01:46 AM, By:Lawson, James
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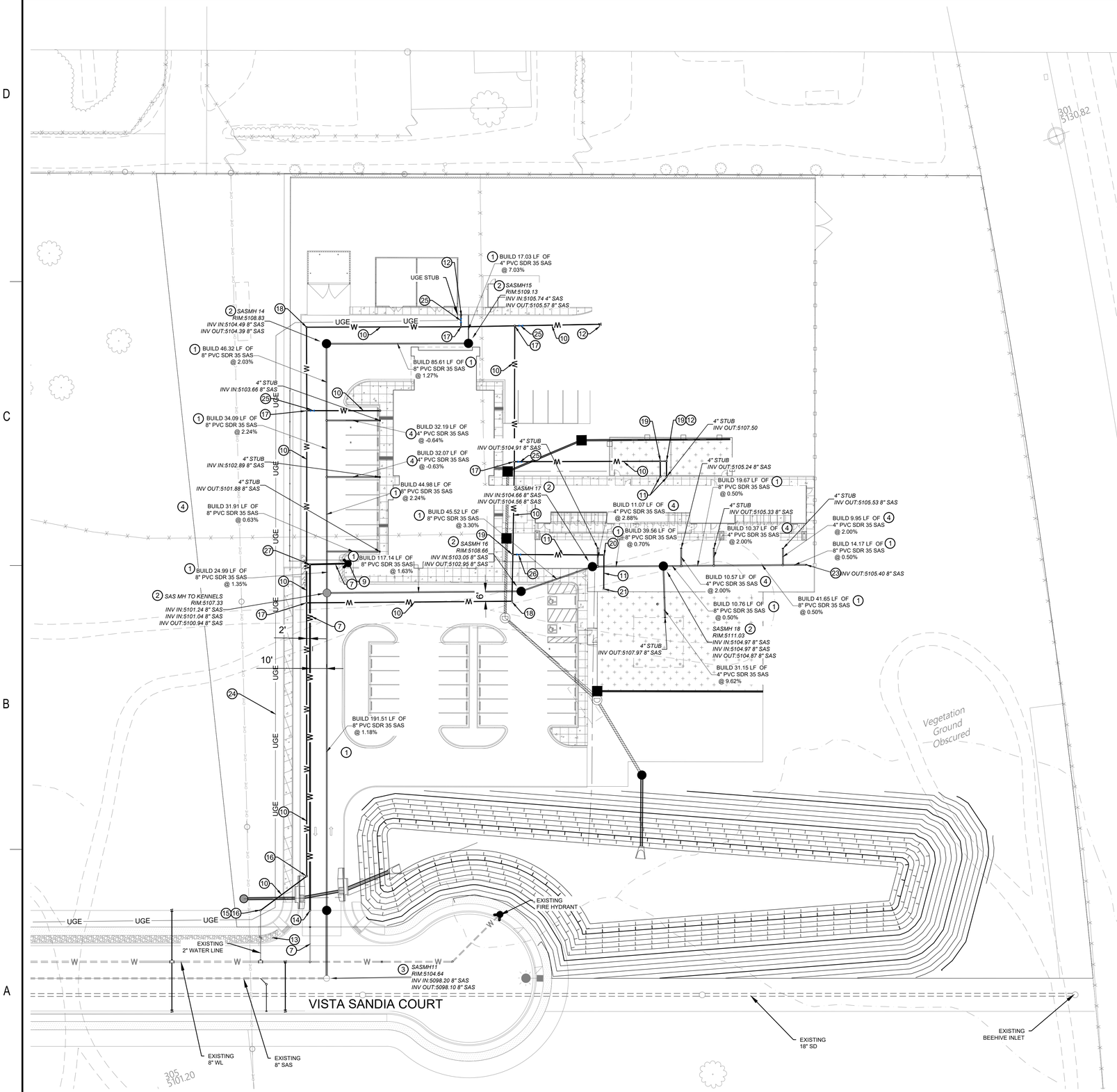

SC ANIMAL SHELTER - UTILITY PLAN

SCALE: 1" = 30'

KEYED NOTES

1 PROPOSED 8" SAS GRAVITY MAIN (SDR 35)

2 BUILD 4' DIA SAS MANHOLE PER STD DWG 109-5 SEE DETAIL A SHEET C-504

3 NOT USED

4 NEW 4" SEWER SERVICE LATERAL PER STD DWG 109-6 SEE DETAIL E SEE SHEET C-504 CONNECT TO NEW SAS MAIN LINE

5 NOT USED

6 NOT USED

7 PROPOSED 6" FIRE WATER LINE (C-900 DR - 18 PVC)

8 GATE VALVES SHALL BE FULLY RESTRAINED PER STD DWG 110-4 DETAIL B SHEET C-507

9 FIRE HYDRANT ASSEMBLIES SHALL BE FULLY RESTRAINED PER STD DWG 110-2 SEE DETAIL D SHEET C-507

10 PROPOSED 3" DOMESTIC WATER LINE (C-900 DR - 18 PVC)

11 PROPOSED 1½" DOMESTIC WATER LINE SERVICE (C-900 DR - 18 PVC)

12 PROPOSED 3" DOMESTIC WATER LINE CAP

13 EXISTING WATER METER BOX. INSTALL 2" WATER METER. COORDINATE WITH TOWN OF BERNALILLO.

14 NON-PRESSURIZED CONNECTION TO EXISTING 6" WATER LINE.

15 2" x 3" REDUCER

16 3" 45° BEND

17 3" x 3" TEE

18 2 - 3" 45° BEND

19 3" x 1½" 45° BEND

20 2 - 1½" 45° BEND

21 HOSE SPIGOT

22 CONNECT TO EXISTING 8" SAS STUB INV = _____

23 SINGLE CLEANOUT PER DETAIL C SHEET C-504

24 2" ELECTRICAL CONDUIT. CONTRACTOR TO COORDINATE WITH PNM TO PROVIDE SERVICE

25 3" GATE VALVE

26 1½" GATE VALVE

27 2 - 6" 45° BENDS

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DAVID M. DUNEMAN NEW MEXICO 17616 12/24/25 PROFESSIONAL ENGINEER

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA CT
BERNALILLO, NM

PROJECT NO.:	R314624.52
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
3	08/12/25	95% & CD's
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1	12/23/24	Design Development

UTILITY PLAN

C-301

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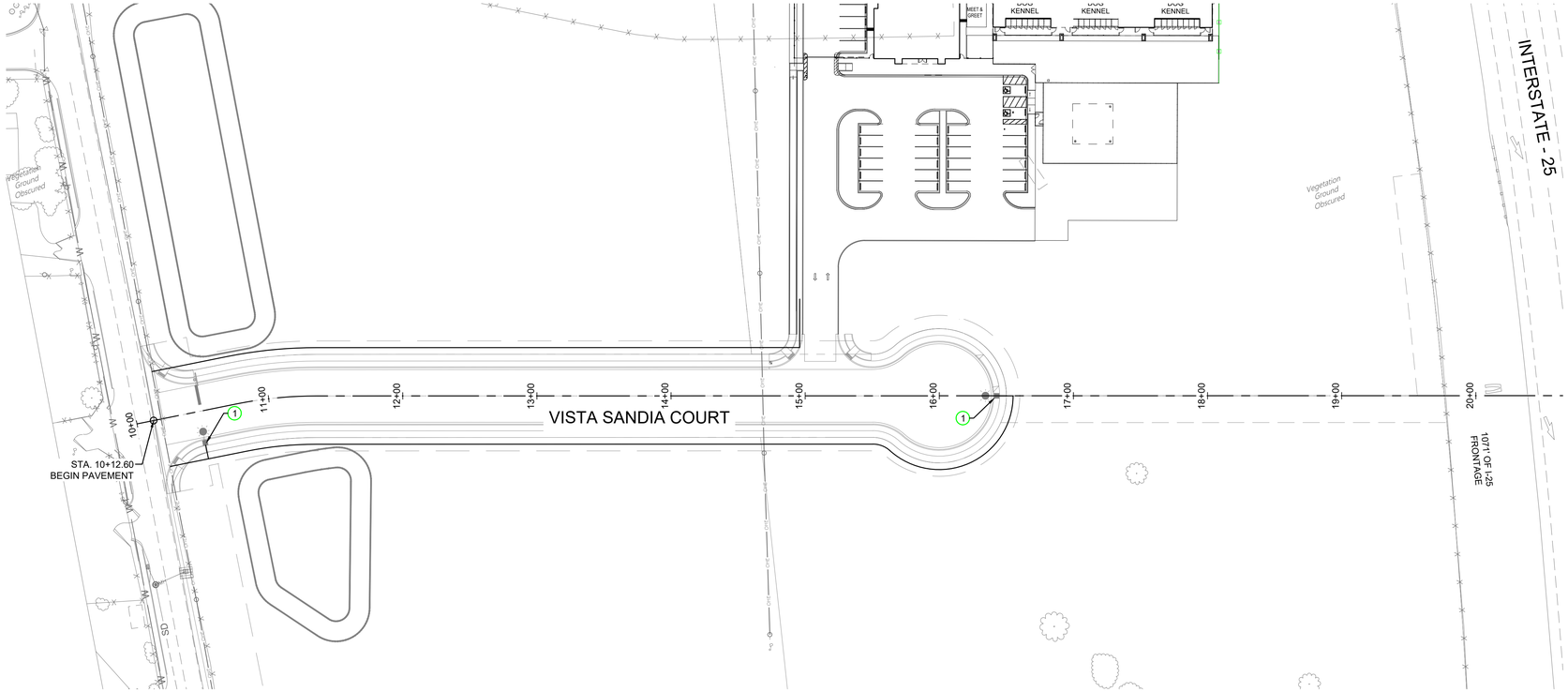
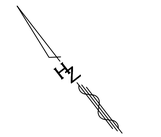
CONSTRUCTION KEYED NOTES

1. INSTALL NEW 28.5' ALUMINUM ROADWAY STREET LIGHT PER DETAIL "A, B & C", ON SHEET "L5" AND NMDOT STANDARD DETAILS SHEETS 707-12 -THROUGH- 707-20 FOR ROADWAY LIGHTING STRUCTURAL SUPPORT.





0 50' 100'

SCALE: 1" = 50'

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SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA CT
BERNALILLO, NM

PROJECT NO.:	R314624.52
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

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LIGHTING PLAN

C-401

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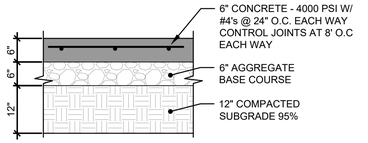
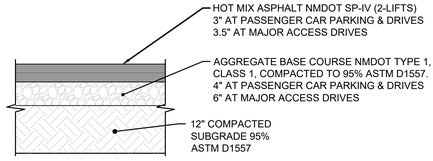


D1 HEAVY DUTY CONCRETE PAVEMENT
SCALE: N.T.S.



D2 ASPHALT PAVEMENT
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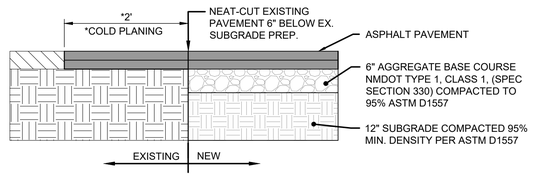
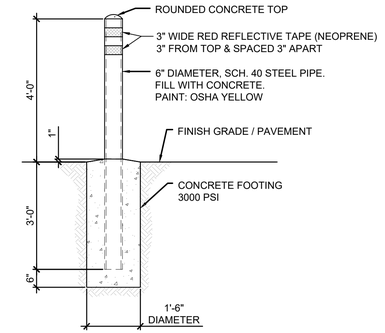
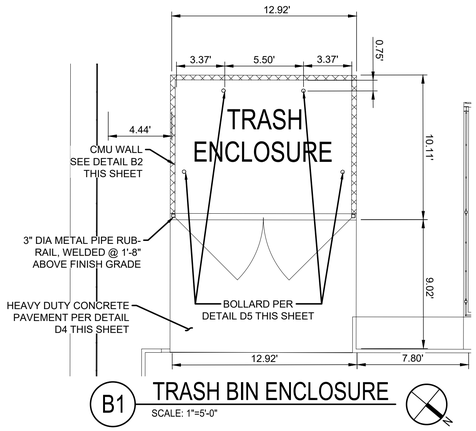


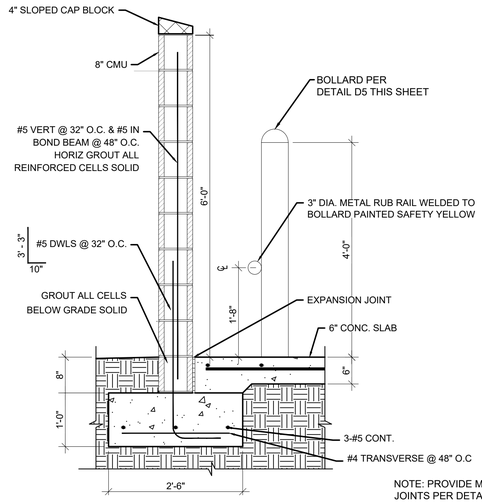
D4 EXIST / NEW ASPHALT PAVEMENT JOINT
SCALE: N.T.S.



D5 BOLLARD DETAIL
SCALE: N.T.S.

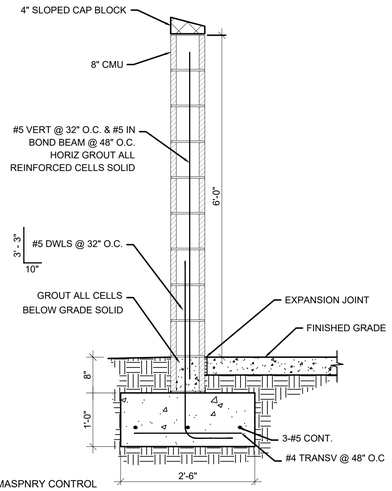


B1 TRASH BIN ENCLOSURE
SCALE: 1"=5'-0"

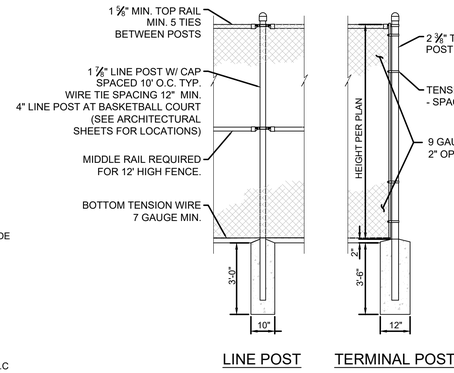


NOTE: PROVIDE MASPNRY CONTROL JOINTS PER DETAIL A2 THIS SHEET

B2 CMU WALL - TRASH BIN ENCLOSURE
SCALE: 1"=5'-0"



B3 CMU PATIO WALL
SCALE: 1"=5'-0"



LINE POST TERMINAL POST

B5 CHAINLINK FENCE
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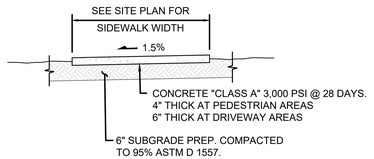
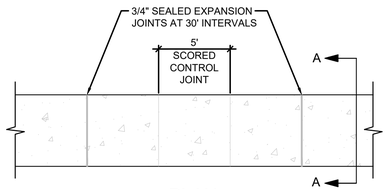


SECTION A-A

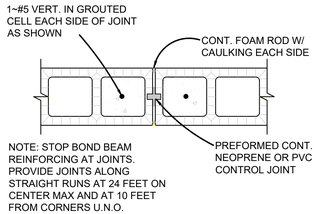


PLAN

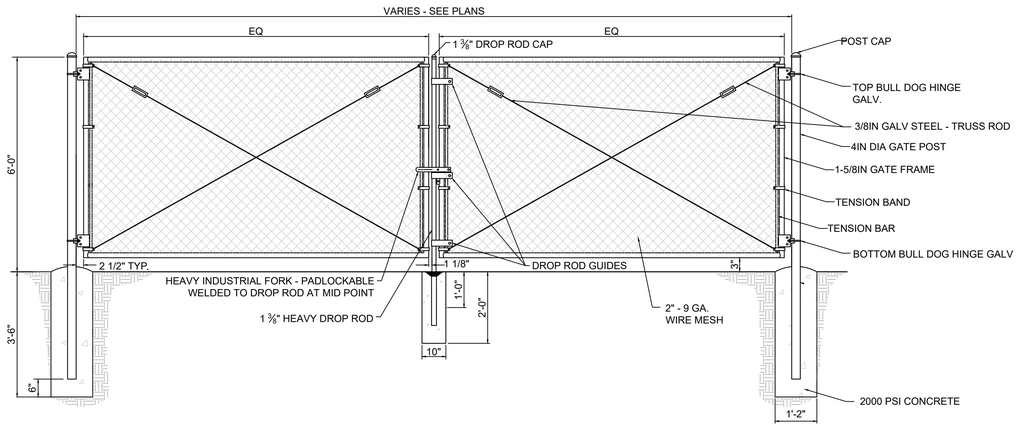
NOTE:
FOR CONC. SIDEWALK CONSTRUCT TRANSVERSE / LONGITUDINAL JOINTS AS FOLLOWS:

1. 3/4" SEALED EXPANSION JOINTS AT 30' INTERVALS AND SCORED TRAVERSE CONTRACTION JOINTS AT 5' INTERVALS.
2. 1/2" LONGITUDINAL PREMOLDED BITUMINOUS EXPANSION JOINT MATERIAL BETWEEN SIDEWALK & BACK OF CURB OR STRUCTURE

A1 CONCRETE SIDEWALK / PAVEMENT
SCALE: N.T.S.



A2 TYPICAL MASONRY CONTROL JOINT
SCALE: N.T.S.



A3 DOUBLE SWING GATE
SCALE: N.T.S.

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SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA CT
BERNALILLO, NM

PROJECT NO.:	R314624.52
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
3	08/12/25	95% & CD's
2	05/16/25	60% & CD's
1	12/23/24	Design Development

DETAILS

C-501

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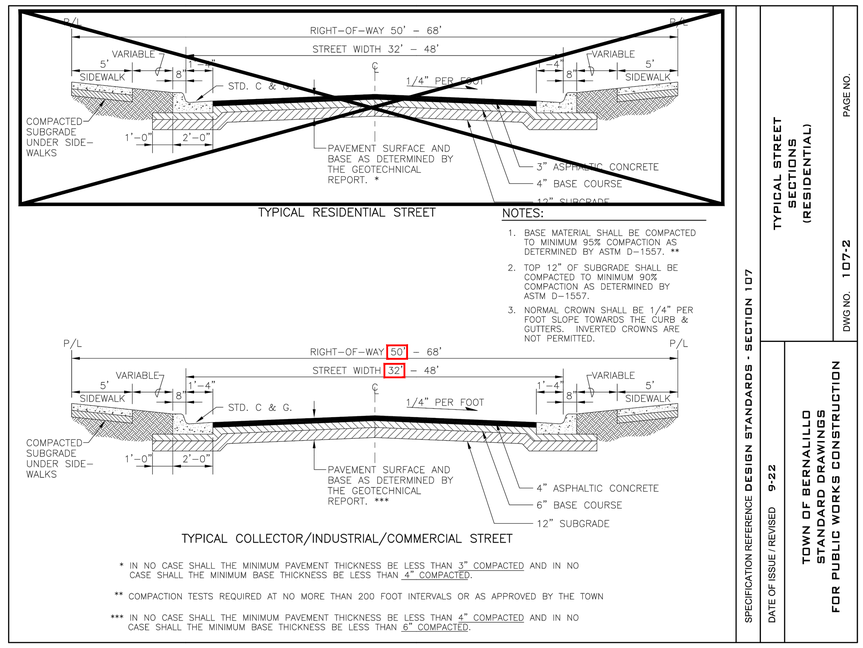
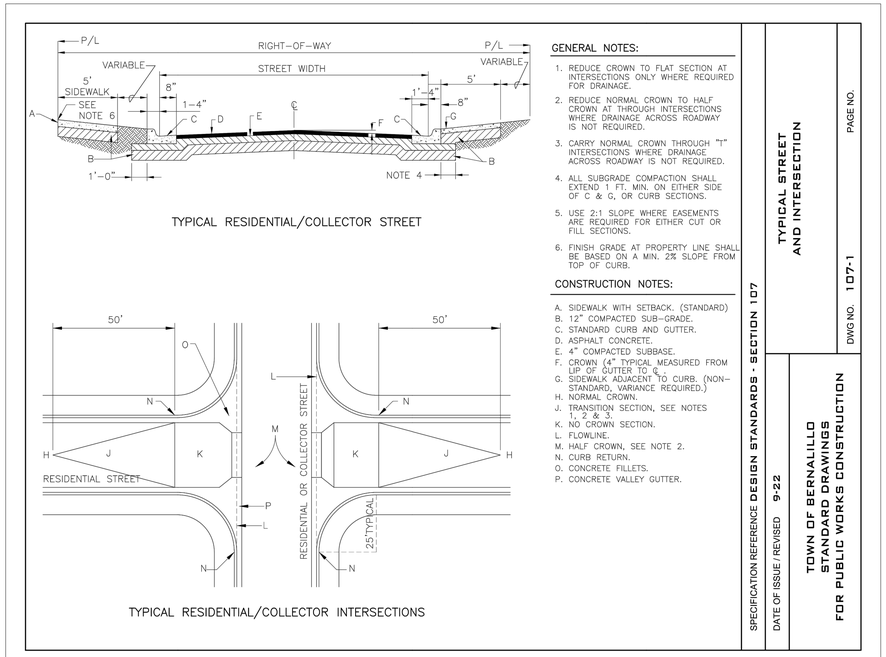


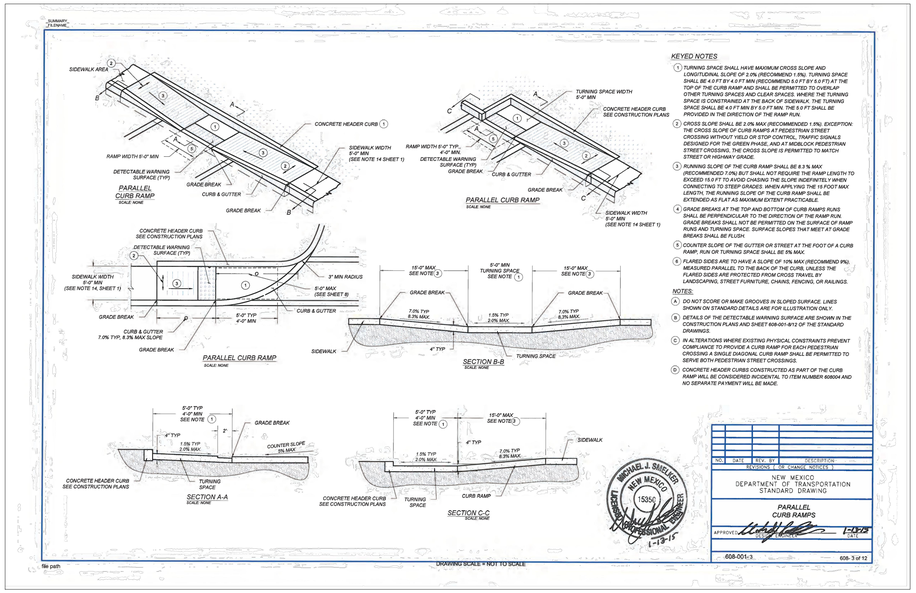
TYPICAL STREET SECTION

Scale: NTS (A)



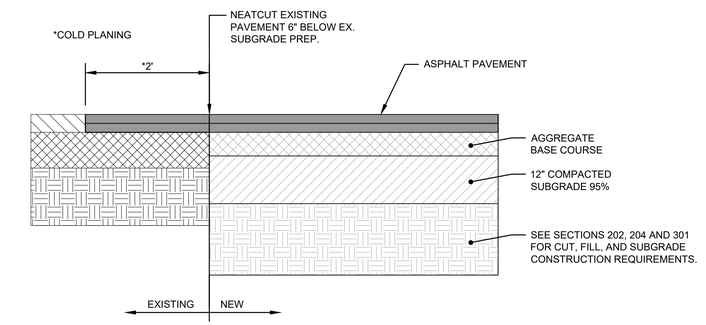
TYPICAL STREET AND INTERSECTION

Scale: NTS (B)



DIAGONAL CURB RAMPS

Scale: NTS (C)



EXIST. / NEW ASPHALT PAVEMENT JOINT

Scale: NTS (D)

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DAVID M. DUNEMAN 17616 PROFESSIONAL ENGINEER 10/24/25

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA CT
BERNALILLO, NM

PROJECT NO.:	R314624.52
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
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1	12/23/24	Design Development

DETAILS

C-502

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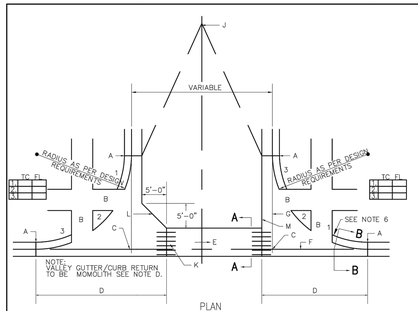
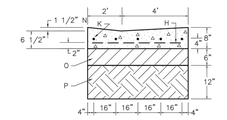
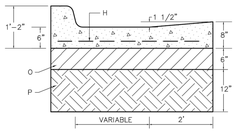






GENERAL NOTES:

1. DESIGN ELEVATIONS TO BE GIVEN AT EACH END OF THE CURB RETURN (TOP OF CURB ELEV.) AND AT INTERSECTIONS OF PROJECTED FLOWLINES (FLOWLINE ELEV.).
2. ON UPSTREAM AND DOWNSTREAM ENDS OF THE INTERSECTION, VALLEY GUTTER CONSTRUCTION SHALL EXTEND TO THE END OF RETURNS.
3. THE VALLEY GUTTER TO BE REINFORCED WITH 6" X 6" X NO. 6 GA. WIRE MESH.
4. INVERT OF VALLEY GUTTER TO EXTEND FROM FLOWLINE OF UPSTREAM CURB RETURN TO FLOWLINE OF DOWNSTREAM CURB RETURN.
5. CURB FLOWLINE AND TOP OF CURB ELEV. SHOWN IN THE BOX CORRESPOND TO QUARTERPOINTS INDICATED ON THE CURB RETURN IN THE CLOCKWISE DIRECTION.
6. – – – – DENOTES 1/2" EXPANSION JOINT.
7. FOR NEW CONSTRUCTION, VALLEY GUTTER SHALL BE CONSTRUCTED PRIOR TO ADJACENT PAVEMENT. ASPHALT CONC. SHALL BE INSTALLED MONOLITHICALLY TO MEET NEW VALLEY GUTTER.
8. PRIOR TO CONSTRUCTION OF NEW VALLEY GUTTER ON EXISTING ACCEPTED STREETS, PAVEMENT SHALL BE REMOVED AS SHOWN ON PLANS.

CONSTRUCTION NOTES:

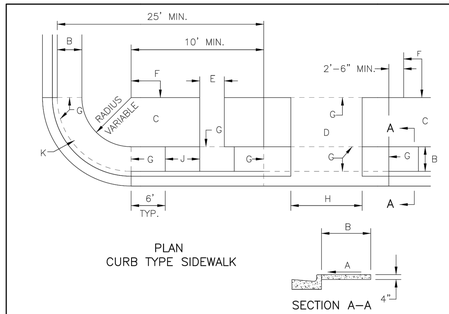
A. END OF CURB RETURN, SEE NOTE 1.
B. ADA RAMP 12:1 MAX (8.3%) RECOMMENDED 15:1 (7%)
C. INTERSECTION OF FLOWLINES, SEE NOTE 1.
D. SURFACE AND CURB TO BE MONOLITHIC.
E. DIRECTION OF FLOW.
F. FLOWLINE.
G. PROJECTED FLOWLINE OF 1 1/2" INVERT, SEE NOTE 2.
H. 6" X 6" NO. 6 GA. WIRE MESH.
J. BEGIN CROWN WARP TO NO CROWN SECTION AS PER DETAIL 107–1 OR AS SPECIFIED ON PLANS OR INDICATED BY THE ENGINEER.
K. NO. 4 BARS 3'–0" LONG AT 16" O.C.
L. ALTERNATE A, WITH FILLET AS PER PLANS.
M. ALTERNATE B, NO FILLET AS PER PLANS.
N. THE 1 1/2" INVERT DEPTH MAY BE REDUCED TO IMPROVE RIDEABILITY WITH APPROVAL OF ENGINEER.
O. BASE COURSE COMPACTED TO AT LEAST 95% MIN DENSITY, AASHTO T–180
P. 12" SUBGRADE COMPACTED TO AT LEAST 95% MIN. DENSITY AASHTO T–180

SPECIFICATION REFERENCE DESIGN STANDARDS - SECTION 107
DATE OF ISSUE / REVISED 9-22
TOWN OF BERNALILLO STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION
PAVING CONCRETE VALLEY GUTTER
DWG NO. 107-6
PAGE NO.

I:\BERNALILLO\BER191-30 Design\Stds\DWGS\107-6.dwg Sep 14, 2022 - 2:14pm

PAVING CONCRETE VALLEY GUTTER

Scale: NTS (A)



GENERAL NOTES:

1. DEVIATIONS FROM THESE STANDARDS SHALL BE SUBMITTED TO THE TOWN FOR APPROVAL PRIOR TO CONSTRUCTION.
2. SUBGRADE UNDER SIDEWALKS AND DRIVEPADS SHALL BE COMPACTED TO 90% MAX. DENSITY AS DETERMINED BY A.S.T.M. D–1557 TO A DEPTH OF 6".

CONSTRUCTION NOTES:

A. SLOPE 1/4" PER FT.
B. SIDEWALK WIDTHS SHALL BE 5'–0" MIN.
C. SETBACK TO BE DETERMINED BY AVAILABLE R/W (IF LESS THAN 2 FT., USE CURB TYPE SIDEWALKS).
D. SEE DRIVEPAD DETAIL, DWG. 107–5.
E. WALKWAY VARIABLE.
F. PROPERTY LINE.
G. 1/2" EXPANSION JOINTS WHERE SIDEWALK OR DRIVEPAD ABUTS BUILDINGS, FENCES, WALLS OR OTHER IMMOVABLE OBJECTS.
H. 12 FT. MIN. 22 FT. MAX. RESIDENTIAL. 12 FT. MIN. 25 FT. MAX. LIGHT COMMERCIAL. 20 FT. MIN. 35 FT. MAX. HEAVY COMMERCIAL.
J. CONTRACTION JOINTS.
K. FOR CURB ACCESS RAMPS REFERENCE NMDOT STANDARD DETAILS 608–001–1 THRU 608–001–12

SPECIFICATION REFERENCE DESIGN STANDARDS - SECTION 108
DATE OF ISSUE / REVISED 9-22
TOWN OF BERNALILLO STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION
PAVING SIDEWALK DETAILS
DWG NO. 108-1
PAGE NO.

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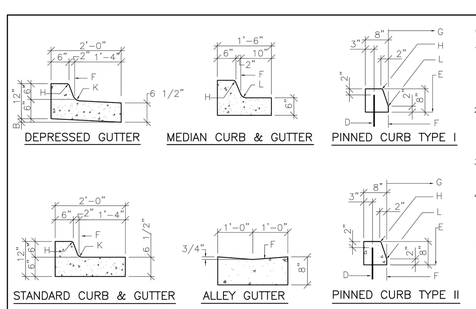
SIDEWALK CURB & GUTTER

Scale: NTS (B)



GENERAL NOTES:

1. FOR STANDARD AND MEDIAN CURB & GUTTER PROVIDE CONTRACTION JOINTS AT 6' O.C. MAX. ALSO PROVIDE 1/2" PREFORMED EXPANSION JOINTS AT 48' O.C. MAX., AT CURB RETURNS & AT EACH SIDE OF DRIVEWAYS.
2. FOR ALL OTHER CURBING AND/OR GUTTERS PROVIDE CONTRACTION JOINTS AT 10' O.C. ALSO PROVIDE 1/2" PREFORMED EXPANSION JOINTS AT 50' O.C., AND ADJACENT TO BUILDINGS & WALLS.
3. ALL EDGES NOT SPECIFICALLY DIMENSIONED SHALL BE EDGED WITH A 1/4" OR A 3/8" EDGING TOOL.
4. STANDARD C. & G. SHALL BE USED FOR ALL NEW CONSTRUCTION UNLESS OTHERWISE RECOMMENDED BY TOWN.

CONSTRUCTION NOTES:

A. REQUIRES CONC. SURFACE TREATMENT, OR CUT–OFF WALL. PROVIDE 1/2" PREFORMED EXPANSION JOINT MATERIAL BETWEEN BACK OF CURB & CONC. SURFACE OR WALL.
B. VARIABLE, DEPRESS AS NEEDED
C. DRILL HOLES THROUGH EXIST. PAVEMENT AT 2 FT. O.C. & DRIVE NO. 4 BARS IN 16" DEEP HOLES & SEAL WITH EPOXY.
D. DRILL HOLES THROUGH EXIST. PAVEMENT AT 2 FT. O.C. & DRIVE NO. 4 BARS IN 18" DEEP HOLES & SEAL WITH EPOXY.
E. EXIST. P.C.C. OR ASPHALT CONC. PAVEMENT.
F. THEORETICAL FACE OF CURB OR FLOWLINE.
G. TRAFFIC SIDE.
H. 3/4" RADIUS.
J. PORTLAND CEMENT CONC. (P.C.C.).
K. 1–1/2" RADIUS.
L. 2" RADIUS.
M. 24" RADIUS.
N. TACK COAT.

SPECIFICATION REFERENCE DESIGN STANDARDS - SECTION 107
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TOWN OF BERNALILLO STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION
PAVING CURB AND GUTTER
DWG NO. 107-4
PAGE NO.

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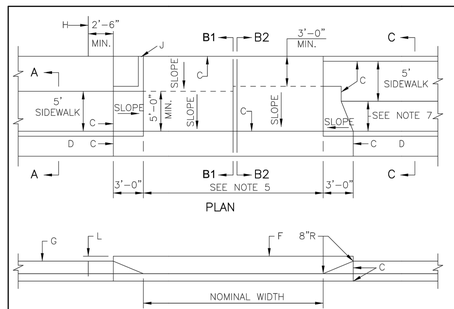
PAVING CURB & GUTTER

Scale: NTS (C)



NOTES:

1. SIDEWALK ABUTTING BACK OF CURB IS ALLOWED ONLY WHEN R.O.W. WIDTHS PROHIBIT SPACING OF AT LEAST 2.0' BETWEEN CURB & SIDEWALK.
2. DRIVEPADS CONSTRUCTED OF CONCRETE SHALL BE 6" THICK WITH 6x6x6 WIRE FABRIC.

GENERAL NOTES:

1. SIDEWALK LOCATION TO BE DETERMINED BY THE TOWN.
2. REQUESTS FOR VARIANCES WITH A PLAN OR SKETCH SHALL BE SUBMITTED TO THE TOWN OF BERNALILLO
3. 1/2" EXPANSION JOINT WHERE SIDEWALK OR DRIVEPAD ABUTS BUILDINGS, FENCES, WALLS, OR OTHER IMMOVEABLE OBJECTS.
4. ALL DRIVEPADS SHALL BE CONSTRUCTED FROM THE BACK OF CURB TO PROPERTY LINE.
5. DRIVEPADS WIDER THAN 18'(NOMINAL), TO HAVE 1/2" EXPANSION JOINT AT MID POINT. DRIVEPADS WIDER THAN 36' TO HAVE 1/2" EXP. JOINTS 16' MAX. BETWEEN JOINTS EQUALLY SPACED.
6. CURB TYPE SIDEWALK TO BE USED ONLY WHEN RIGHT–OF–WAY WILL NOT PERMIT THE USE OF SETBACK SIDEWALK OR IN AREAS THAT HAVE EXISTING CURB TYPE SIDEWALK.
7. SETBACK TO BE DETERMINED BY AVAILABLE RIGHT–OF–WAY, IF LESS THAN 2' USE CURB TYPE SIDEWALK.
8. SUBGRADE UNDER SIDEWALKS & DRIVEPADS SHALL BE COMPACTED TO 90% MAX. DENSITY AS DETERMINED BY A.S.T.M. D–1557 TO A DEPTH OF 6".

CONSTRUCTION NOTES:

A. CURB TYPE SIDEWALK AREA.
B. OFFSET SIDEWALK AREA
C. 1/2" EXPANSION JOINT, ADJUST TO FIELD CONDITIONS ON REPLACEMENT WORK.
D. CURB & GUTTER.
E. SLOPE TO BE ADJUSTED TO PROVIDE UNIFORM TRANSITION BETWEEN DRIVEPAD & SIDEWALK.
F. TOP OF DRIVEPAD.
G. TOP OF CURB
H. PROPERTY LINE.
J. HEADER CURB
K. SLOPE 1/4" PER FT. VARY NEAR DRIVEPADS TO MATCH DRIVEPAD SLOPE.
L. 0.33' ABOVE TOP OF CURB AT PROPERTY LINE TYPICAL DEVIATIONS MUST BE APPROVED BY THE VILLAGE PRIOR TO CONSTRUCTION.

SPECIFICATION REFERENCE DESIGN STANDARDS - SECTION 107
DATE OF ISSUE / REVISED 9-22
TOWN OF BERNALILLO STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION
PAVING DRIVEPADS
DWG NO. 107-5
PAGE NO.

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PAVING DRIVEPADS

Scale: NTS (D)

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12/24/25
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SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA CT
BERNALILLO, NM

PROJECT NO.:	R314624.52
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
3	08/12/25	95% & CD's
2	05/16/25	60% & CD's
1	12/23/24	Design Development

DETAILS

C-503

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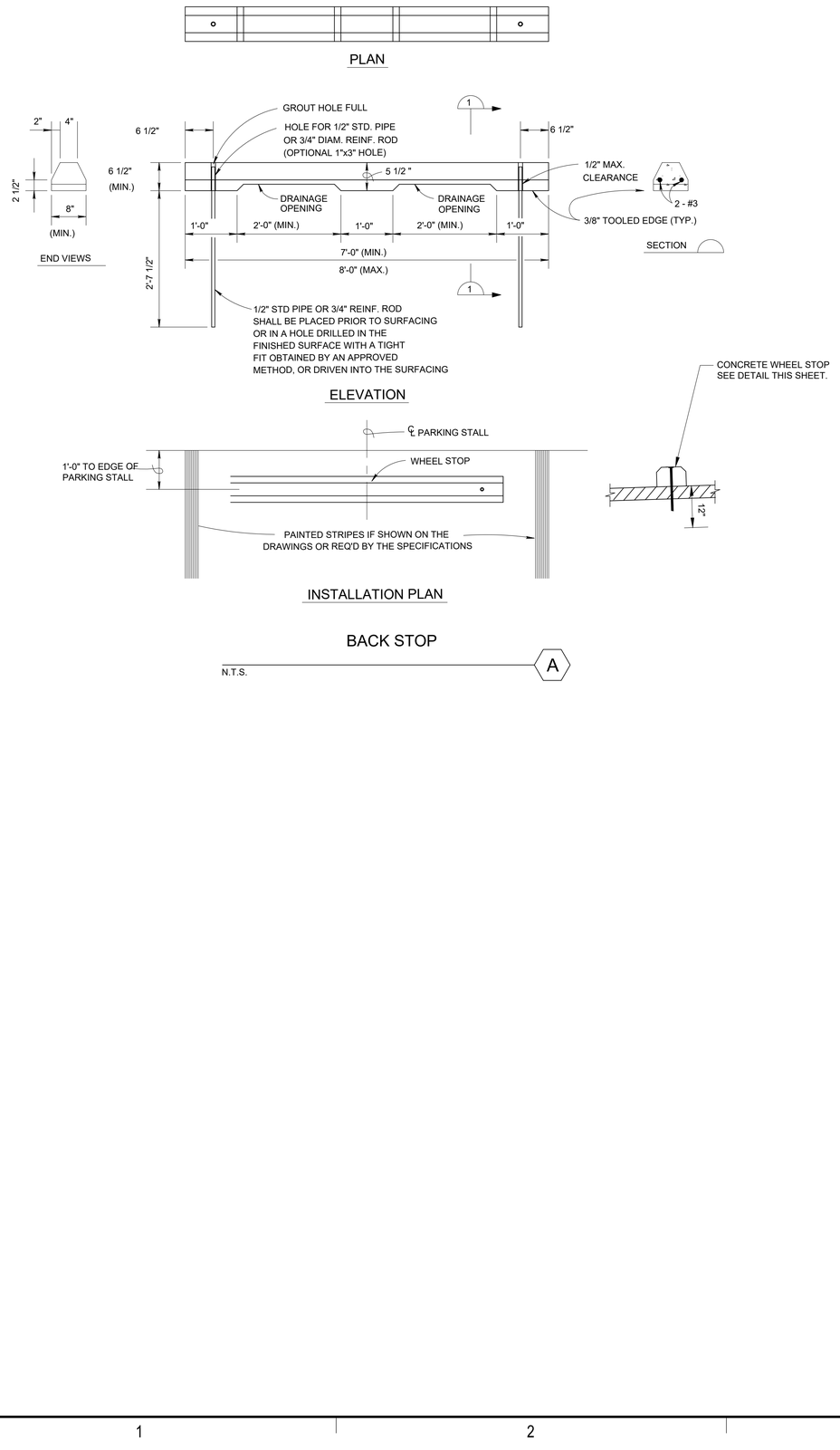

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PROJECT NO.:	R314624.52
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APPROVED BY:	STAFF

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
3	08/12/25	95% & CD's
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1	12/23/24	Design Development

DETAILS

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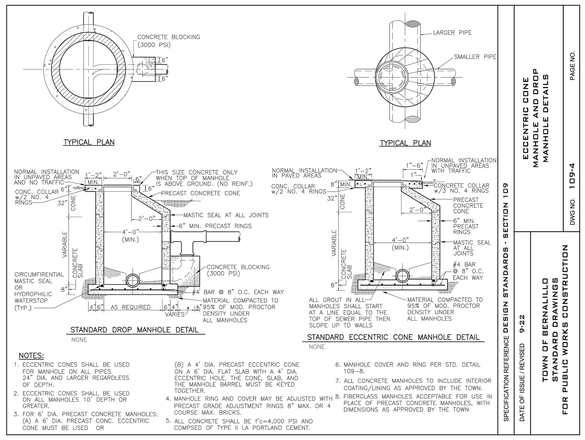

STANDARD DROP MANHOLE DETAIL
NONE

STANDARD ECCENTRIC CONE MANHOLE DETAIL
NONE

NOTES:

1. ECCENTRIC CONES SHALL BE USED FOR MANHOLE ON ALL PIPES 24" DIA. AND LARGER REGARDLESS OF DEPTH.
2. ECCENTRIC CONES SHALL BE USED ON ALL MANHOLES 10' DEPTH OR GREATER.
3. FOR 6' DIA. PRECAST CONCRETE MANHOLES: (A) A 6' DIA. PRECAST CONC. ECCENTRIC CONE MUST BE USED OR (B) A 4' DIA. PRECAST ECCENTRIC CONE ON A 6' DIA. FLAT SLAB WITH A 4' DIA. ECCENTRIC HOLE. THE CONE, SLAB, AND THE MANHOLE BARREL MUST BE KEYED TOGETHER.
4. MANHOLE RING AND COVER MAY BE ADJUSTED WITH PRECAST GRADE ADJUSTMENT RINGS 8" MAX. OR 4 COURSE MAX. BRICKS.
5. ALL CONCRETE SHALL BE f'c=4,000 PSI AND COMPISED OF TYPE II LA PORTLAND CEMENT.
6. MANHOLE COVER AND RING PER STD. DETAIL 109-8.
7. ALL CONCRETE MANHOLES TO INCLUDE INTERIOR COATING/LINING AS APPROVED BY THE TOWN.
8. FIBERGLASS MANHOLES ACCEPTABLE FOR USE IN PLACE OF PRECAST CONCRETE MANHOLES, WITH DIMENSIONS AS APPROVED BY THE TOWN

SPECIFICATION REFERENCE: DESIGN STANDARDS - SECTION 109
DATE OF ISSUE / REVISED: 9-22
TOWN OF BERNALILLO STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION
ECCENTRIC CONE MANHOLE AND DROP MANHOLE DETAILS
DWG NO. 109-4
PAGE NO.

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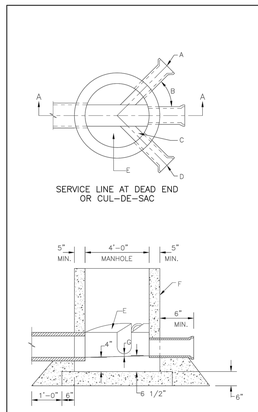
MANHOLE AND DROP MANHOLE DETAILS — A
Scale: NTS



SECTION A–A

GENERAL NOTES

1. ALL CONC. SHELF SLOPES TO BE ONE INCH PER FT.
2. ONE FOURTH INCH PER FT. MIN. SLOPE FOR 4" OR 6" SERVICE LINE.
3. NEW SERVICE CONNECTIONS TO EXIST. MH'S. MUST BE CORE DRILLED.
4. 6" OR LARGER SERVICE CONNECTIONS MUST BE MADE TO A MH.

CONSTRUCTION NOTES

A. CAST IRON SERVICE STUB.
B. VARIABLE WITH MAX. ANGLE OF 90°.
C. VARIABLE WITH MAX. ANGLE OF 90°.
D. BELL END.
E. CONC. FILL SHALL BE TYPE II LA CEMENT GROUT.
F. PRE-CAST CONCRETE MANHOLE PER STD. DETAIL 109-4 OR 109-5, AS APPLICABLE.
G. INV. ELEV. 0.1 FT. ABOVE INV. OF MAIN LINE.

SPECIFICATION REFERENCE: DESIGN STANDARDS - SECTION 109
DATE OF ISSUE / REVISED: 9-22
TOWN OF BERNALILLO STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION
SEWER SERVICE LINE DETAILS FOR MANHOLES
DWG NO. 109-7
PAGE NO.

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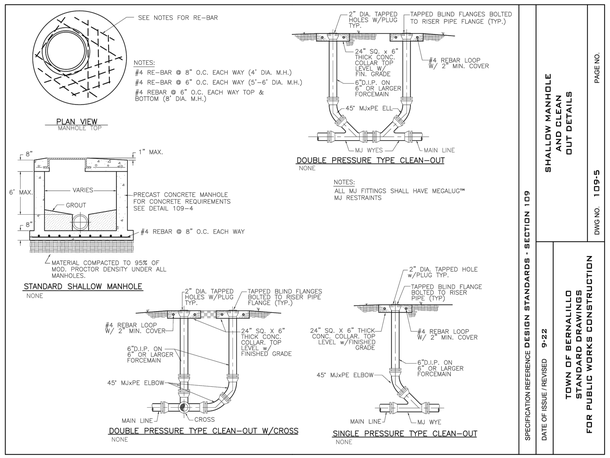
SEWER SERVICE LINE DETAILS FOR MH — B
Scale: NTS



SPECIFICATION REFERENCE: DESIGN STANDARDS - SECTION 109
DATE OF ISSUE / REVISED: 9-22
TOWN OF BERNALILLO STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION
SHALLOW MANHOLE AND CLEAN OUT DETAILS
DWG NO. 109-5
PAGE NO.

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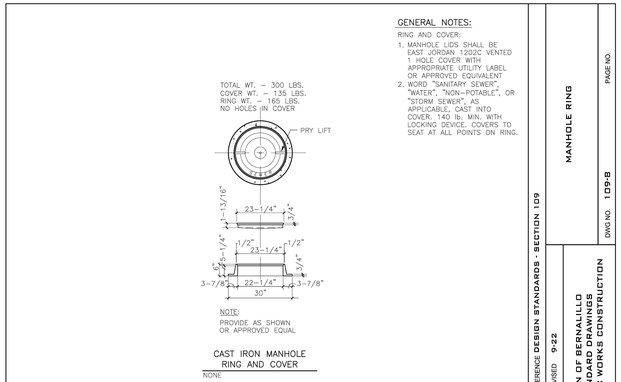
SHALLOW MH AND CLEAN OUT DETAILS — C
Scale: NTS



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DATE OF ISSUE / REVISED: 9-22
TOWN OF BERNALILLO STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION
MANHOLE RING
DWG NO. 109-8
PAGE NO.

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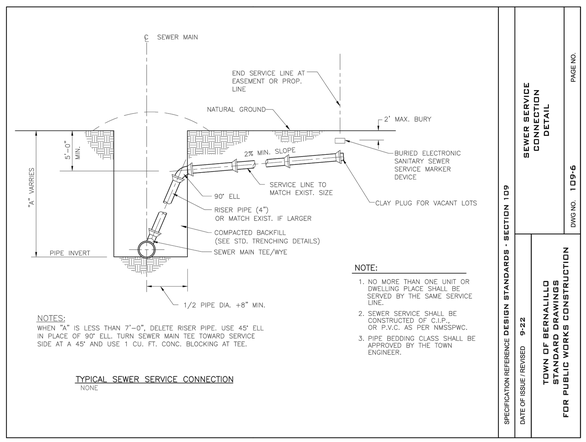
MANHOLE RING — D
Scale: NTS



TYPICAL SEWER SERVICE CONNECTION
NONE

SPECIFICATION REFERENCE: DESIGN STANDARDS - SECTION 109
DATE OF ISSUE / REVISED: 9-22
TOWN OF BERNALILLO STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION
SEWER SERVICE CONNECTION DETAIL
DWG NO. 109-6
PAGE NO.

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SEWER SERVICE CONNECTION DETAIL — E
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SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA CT
BERNALILLO, NM

PROJECT NO.:	R314624.52
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
3	08/12/25	95% & CD's
2	05/16/25	60% & CD's
1	12/23/24	Design Development

SANITARY SEWER DETAILS

C-505

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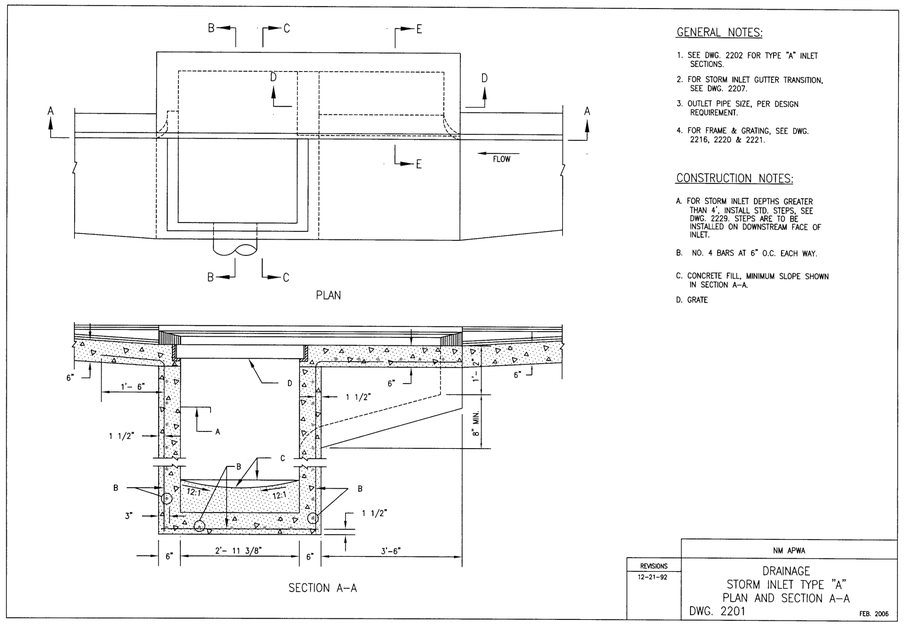


GENERAL NOTES:

1. SEE DWG. 2202 FOR TYPE "A" INLET SECTIONS.
2. FOR STORM INLET GUTTER TRANSITION, SEE DWG. 2207.
3. OUTLET PIPE SIZE, PER DESIGN REQUIREMENT.
4. FOR FRAME & GRATING, SEE DWG. 2216, 2220 & 2221.

CONSTRUCTION NOTES:

A. FOR STORM INLET DEPTHS GREATER THAN 4', INSTALL STD. STEPS, SEE DWG. 2229. STEPS ARE TO BE INSTALLED ON DOWNSTREAM FACE OF INLET.

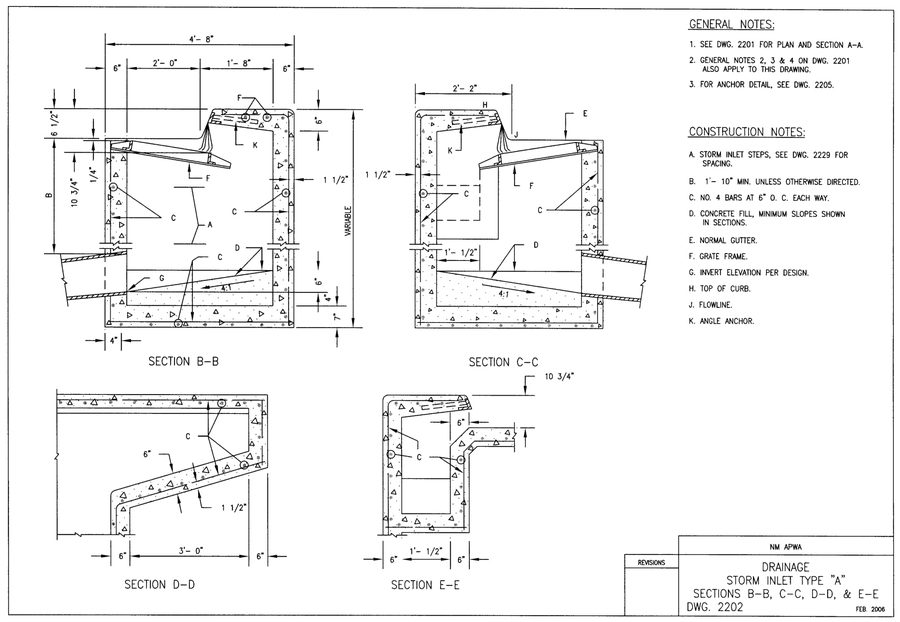
B. NO. 4 BARS AT 6" O.C. EACH WAY.

C. CONCRETE FILL, MINIMUM SLOPE SHOWN IN SECTION A-A.

D. GRATE

REVISIONS	NM APWA
12-21-92	DRAINAGE STORM INLET TYPE "A" PLAN AND SECTION A-A DWG. 2201 FEB. 2006

STORM INLET DOUBLE "A"
Scale: NTS (A)



GENERAL NOTES:

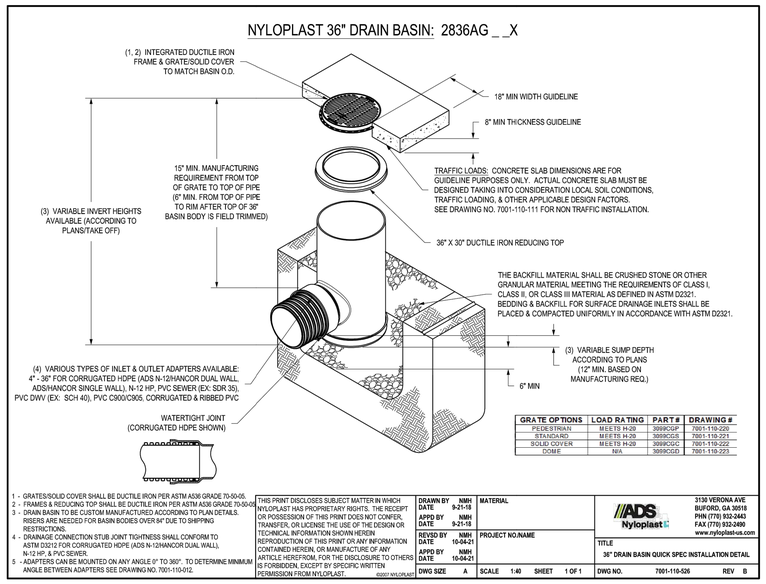
1. SEE DWG. 2201 FOR PLAN AND SECTION A-A.
2. GENERAL NOTES 2, 3 & 4 ON DWG. 2201 ALSO APPLY TO THIS DRAWING.
3. FOR ANCHOR DETAIL, SEE DWG. 2205.

CONSTRUCTION NOTES:

A. STORM INLET STEPS, SEE DWG. 2229 FOR SPACING.
B. 1'- 10" MIN. UNLESS OTHERWISE DIRECTED.
C. NO. 4 BARS AT 6" O. C. EACH WAY.
D. CONCRETE FILL, MINIMUM SLOPES SHOWN IN SECTIONS.
E. NORMAL GUTTER.
F. GRATE FRAME.
G. INVERT ELEVATION PER DESIGN.
H. TOP OF CURB.
J. FLOWLINE.
K. ANGLE ANCHOR.

REVISIONS	NM APWA
	DRAINAGE STORM INLET TYPE "A" SECTIONS B-B, C-C, D-D, & E-E DWG. 2202 FEB. 2006

STORM INLET DOUBLE "A"
Scale: NTS (B)



GRATE OPTIONS	LOAD RATING	PART #	DRAWING #
PEDESTRIAN	MEETS H-20	3099CGP	7001-110-220
STANDARD	MEETS H-20	3099CGS	7001-110-221
SOLID COVER	MEETS H-20	3099CGC	7001-110-222
DOME	N/A	3099CGD	7001-110-223

1 - GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
2 - FRAMES & REDUCING TOP SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
3 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASIN BODIES OVER 84" DUE TO SHIPPING RESTRICTIONS.
4 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER.
5 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.

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DRAWN BY	NMH	MATERIAL	
DATE	9-21-18		
APPD BY	NMH		
DATE	9-21-18		
REVSD BY	NMH	PROJECT NO./NAME	
DATE	10-04-21		
APPD BY	NMH		
DATE	10-04-21		
DWG SIZE	A	SCALE 1:40 SHEET 1 OF 1	

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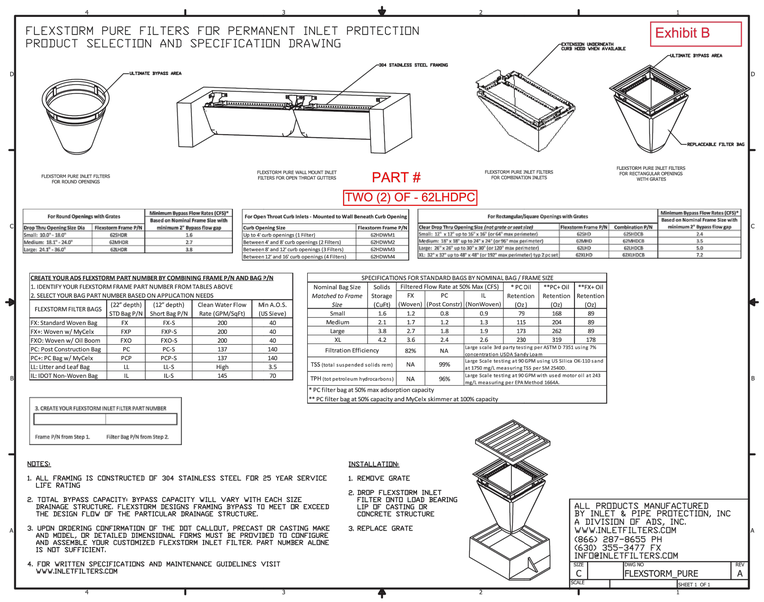
TITLE
36" DRAIN BASIN QUICK SPEC INSTALLATION DETAIL

DWG NO. 7001-110-526 REV B

36" DRAIN BASIN
N.T.S. (C)



For Round Openings with Grates		Minimum Bypass Flow Rates (CFS)* Based on Nominal Frame Size with minimum 2" Bypass flow gap
Drop Thru Opening Size Dia	Flexstorm Frame P/N	
Small: 20.0" - 28.0"	62HDIR	1.6
Medium: 28.1" - 24.0"	62MDIR	2.7
Large: 24.0" - 35.0"	62LHDR	3.8

For Open Throat Curb Inlets - Mounted to Wall Beneath Curb Opening	
Curb Opening Size	Flexstorm Frame P/N
Up to 4' curb openings (1 Filter)	62HDWM1
Between 4' and 8' curb openings (2 Filters)	62HDWM2
Between 8' and 12' curb openings (3 Filters)	62HDWM3
Between 12' and 16' curb openings (4 Filters)	62HDWM4

For Rectangular/Square Openings with Grates			Minimum Bypass Flow Rates (CFS)* Based on Nominal Frame Size with minimum 2" Bypass flow gap
Clear Drop Thru Opening Size (incl grate or cast size)	Flexstorm Frame P/N	Combination P/N	
Small: 12" x 12" up to 24" x 36" (or 64" max perimeter)	62SHD	62SHDCB	2.4
Medium: 16" x 16" up to 24" x 24" (or 95" max perimeter)	62MHD	62MHDCB	3.5
Large: 20" x 20" up to 30" x 30" (or 120" max perimeter)	62LHD	62LHDCB	5.0
XL: 32" x 32" up to 48" x 48" (or 192" max perimeter) typ 2 pc set	62XLHD	62XLHDCB	7.2

CREATE YOUR ADS FLEXSTORM PART NUMBER BY COMBINING FRAME P/N AND BAG P/N
1. IDENTIFY YOUR FLEXSTORM FRAME PART NUMBER FROM TABLES ABOVE
2. SELECT YOUR BAG PART NUMBER BASED ON APPLICATION NEEDS

FLEXSTORM FILTER BAGS	(12" depth) STD Bag P/N	(12" depth) Short Bag P/N	Clean Water Flow Rate (GPM/SqFt)	Min A.O.S. (US Sieve)
FX: Standard Woven Bag	FX	FX-S	200	40
FXx: Woven w/ MyCelx	FXP	FXP-S	200	40
FXO: Woven w/ Oil Boom	FXO	FXO-S	200	40
PC: Post Construction Bag	PC	PC-S	137	140
PCx: PC Bag w/ MyCelx	PCP	PCP-S	137	140
LL: Litter and Leaf Bag	LL	LL-S	High	3.5
IL: IDOT Non-Woven Bag	IL	IL-S	145	70

3. CREATE YOUR FLEXSTORM INLET FILTER PART NUMBER

Frame P/N from Step 1.	Filter Bag P/N from Step 2.

SPECIFICATIONS FOR STANDARD BAGS BY NOMINAL BAG / FRAME SIZE

Nominal Bag Size Matched to Frame Size	Solids Storage (Cu/Ft)	Filtered Flow Rate at 50% Max (CFS): FX (Woven)	PC (Post Constr)	IL (NonWoven)	* PC Oil Retention (Oz.)	**PCx Oil Retention (Oz)	**FXx Oil Retention (Oz)
Small	1.6	1.2	0.8	0.9	79	168	89
Medium	2.1	1.7	1.2	1.3	115	204	89
Large	3.8	2.7	1.8	1.9	173	262	89
XL	4.2	3.6	2.4	2.6	230	319	178
Filtration Efficiency		82%	NA	Large scale 3rd party testing per ASTM D 7351 using 7% concentration USGS Sandy Loam			
TSS (total suspended solids rem)		NA	99%	Large Scale testing at 90 GPM using US Silica OK-110 sand at 1750 mg/L measuring TSS per SM 2540D.			
TPH (tot petroleum hydrocarbons)		NA	96%	Large Scale testing at 90 GPM with used motor oil at 243 mg/L measuring per EPA Method 1664A.			

* PC filter bag at 50% max adsorption capacity
** PC filter bag at 50% capacity and MyCelx skimmer at 100% capacity

NOTES:

1. ALL FRAMING IS CONSTRUCTED OF 304 STAINLESS STEEL FOR 25 YEAR SERVICE LIFE RATING
2. TOTAL BYPASS CAPACITY: BYPASS CAPACITY WILL VARY WITH EACH SIZE DRAINAGE STRUCTURE. FLEXSTORM DESIGNS FRAMING BYPASS TO MEET OR EXCEED THE DESIGN FLOW OF THE PARTICULAR DRAINAGE STRUCTURE.
3. UPON ORDERING CONFIRMATION OF THE DOT CALLOUT, PRECAST OR CASTING MAKE AND MODEL, OR DETAILED DIMENSIONAL FORMS MUST BE PROVIDED TO CONFIGURE AND ASSEMBLE YOUR CUSTOMIZED FLEXSTORM INLET FILTER. PART NUMBER ALONE IS NOT SUFFICIENT.
4. FOR WRITTEN SPECIFICATIONS AND MAINTENANCE GUIDELINES VISIT WWW.INLETFILTERS.COM

INSTALLATION:

1. REMOVE GRATE
2. DROP FLEXSTORM INLET FILTER ONTO LOAD BEARING LIP OF CASTING OR CONCRETE STRUCTURE
3. REPLACE GRATE

ALL PRODUCTS MANUFACTURED BY INLET & PIPE PROTECTION, INC A DIVISION OF ADS, INC.
WWW.INLETFILTERS.COM
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(630) 355-3477 FX
INFO@INLETFILTERS.COM

SIZE	DWG NO	REV
C	FLEXSTORM_PURE	A
SCALE	SHEET 1 OF 1	

RECTANGULAR INLET FILTER
N.T.S. (D)

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DAVID M. DUNEMAN
NEW MEXICO
17616
07/24/25
PROFESSIONAL ENGINEER

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SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA CT
BERNALILLO, NM

PROJECT NO.:	R314624.52
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

3	08/12/25	95% & CD's
2	05/16/25	60% & CD's
1	12/23/24	Design Development
MARK	DATE	DESCRIPTION

STORM DRAIN DETAILS

C-506

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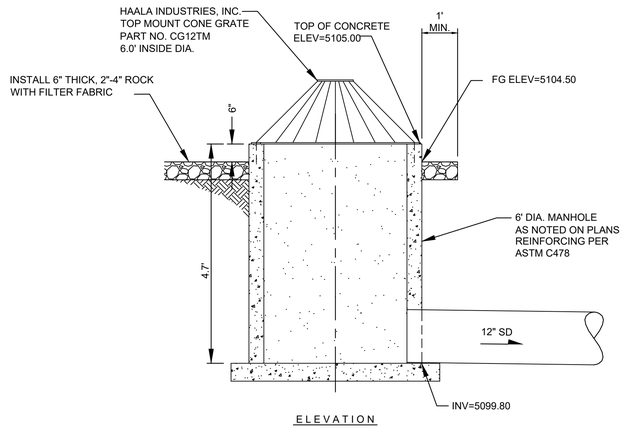
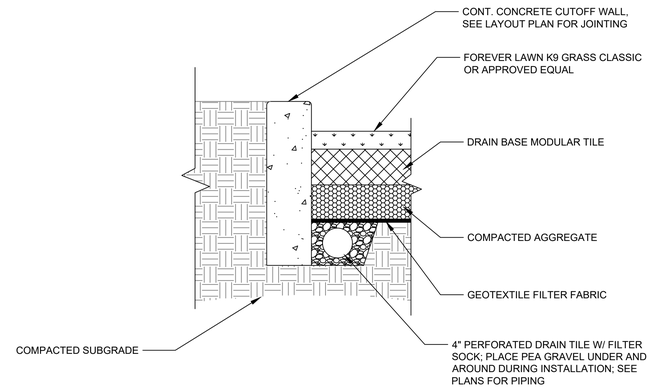


A BEEHIVE GRATE INLET 01 DETAIL
N.T.S.

NOTE: ALL CONCRETE CURBING TO HAVE LIGHT BROOM FINISH, PLACE VERTICAL CONTROL JOINTS EVERY 8' O.C.



B TURF SECTION
N.T.S.

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SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA CT
BERNALILLO, NM

PROJECT NO.:	R314624.52
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

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3	08/12/25	95% & CD's
2	05/16/25	60% & CD's
1	12/23/24	Design Development

STORM DRAIN DETAILS

C-507

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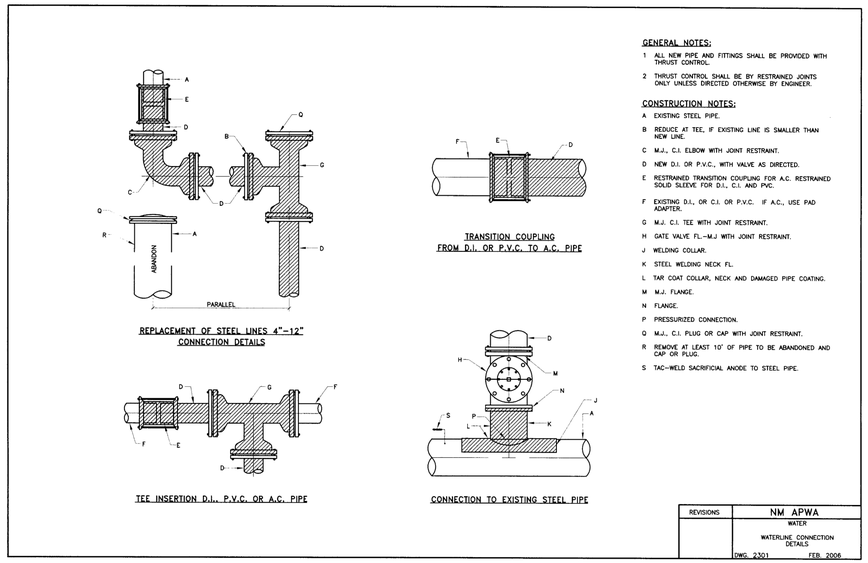
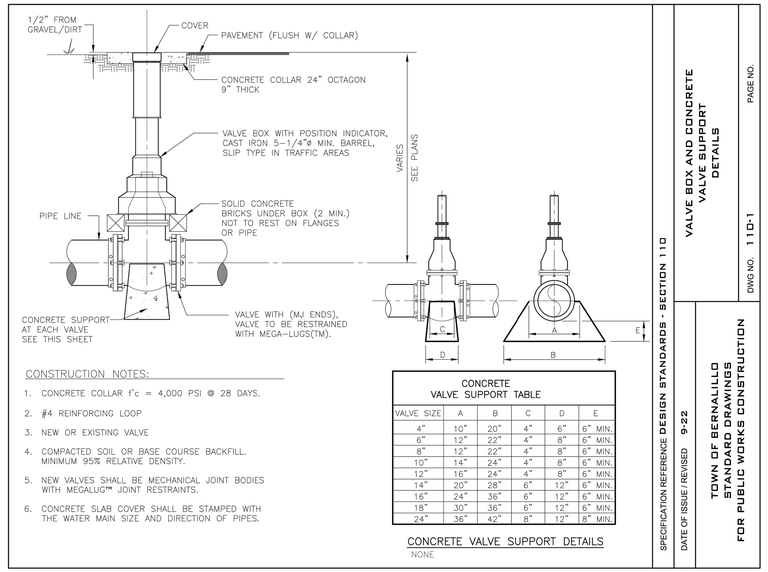


WATERLINE CONNECTION DETAILS (A)

Scale: NTS



CONCRETE VALVE SUPPORT TABLE

VALVE SIZE	A	B	C	D	E
4"	10"	20"	4"	6"	6" MIN.
6"	12"	22"	4"	8"	6" MIN.
8"	12"	22"	4"	8"	6" MIN.
10"	14"	24"	4"	8"	6" MIN.
12"	16"	24"	4"	8"	6" MIN.
14"	20"	28"	6"	12"	6" MIN.
16"	24"	36"	6"	12"	6" MIN.
18"	30"	36"	6"	12"	6" MIN.
24"	36"	42"	8"	12"	8" MIN.

CONCRETE VALVE SUPPORT DETAILS
NONE

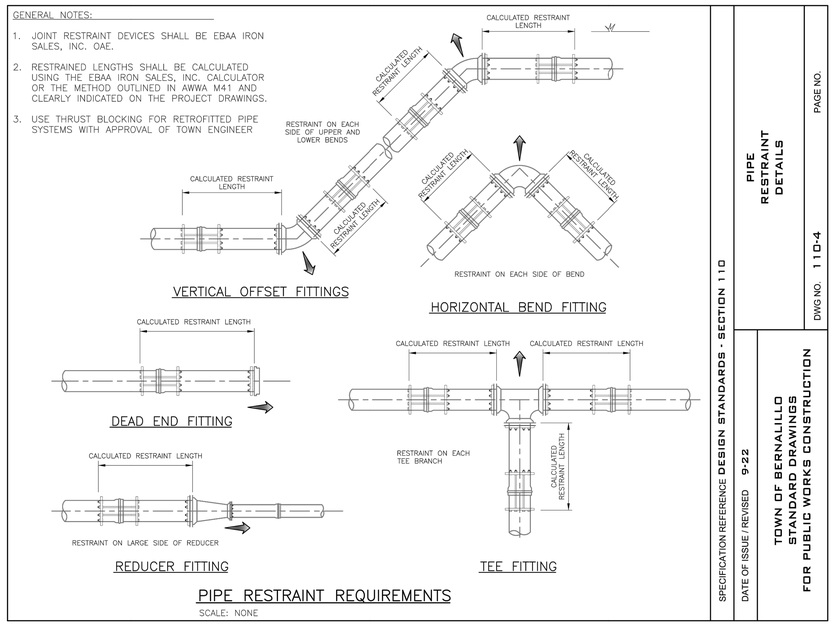
SPECIFICATION REFERENCE DESIGN STANDARDS - SECTION 110
DATE OF ISSUE / REVISED 9-22
TOWN OF BERNALILLO STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION
VALVE BOX AND CONCRETE VALVE SUPPORT DETAILS
DWG NO. 110-1
PAGE NO.

I:\BERNALILLO\BER191-30 Design\Stds\DWGS\110-1.DWG Sep 14, 2022 - 2:14pm

VALVE BOX / VALVE SUPPORT DETAILS (B)

Scale: NTS

GENERAL NOTES:
1. JOINT RESTRAINT DEVICES SHALL BE EBAA IRON SALES, INC. OAE.
2. RESTRAINED LENGTHS SHALL BE CALCULATED USING THE EBAA IRON SALES, INC. CALCULATOR OR THE METHOD OUTLINED IN AWWA M41 AND CLEARLY INDICATED ON THE PROJECT DRAWINGS.
3. USE THRUST BLOCKING FOR RETROFITTED PIPE SYSTEMS WITH APPROVAL OF TOWN ENGINEER



PIPE RESTRAINT REQUIREMENTS
SCALE: NONE

SPECIFICATION REFERENCE DESIGN STANDARDS - SECTION 110
DATE OF ISSUE / REVISED 9-22
TOWN OF BERNALILLO STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION
PIPE RESTRAINT DETAILS
DWG NO. 110-4
PAGE NO.

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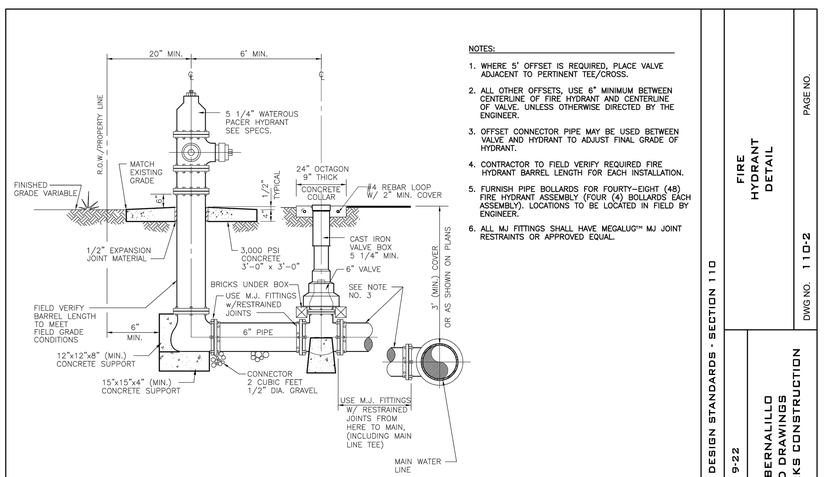
JOINT RESTRAINT TABLE (C)

NTS



NOTES:
1. WHERE 5' OFFSET IS REQUIRED, PLACE VALVE ADJACENT TO PERTINENT TEE/CROSS.
2. ALL OTHER OFFSETS, USE 6" MINIMUM BETWEEN CENTERLINE OF FIRE HYDRANT AND CENTERLINE OF VALVE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
3. OFFSET CONNECTOR PIPE MAY BE USED BETWEEN VALVE AND HYDRANT TO ADJUST FINAL GRADE OF HYDRANT.
4. CONTRACTOR TO FIELD VERIFY REQUIRED FIRE HYDRANT BARREL LENGTH FOR EACH INSTALLATION.
5. FURNISH PIPE BOLLARDS FOR FOURTY–EIGHT (48) FIRE HYDRANT ASSEMBLY (FOUR (4) BOLLARDS EACH ASSEMBLY). LOCATIONS TO BE LOCATED IN FIELD BY ENGINEER.
6. ALL MJ FITTINGS SHALL HAVE MEGALUG™ MJ JOINT RESTRAINTS OR APPROVED EQUAL.

FIRE HYDRANT ASSEMBLY DETAIL
SCALE: NONE

SPECIFICATION REFERENCE DESIGN STANDARDS - SECTION 110
DATE OF ISSUE / REVISED 9-22
TOWN OF BERNALILLO STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION
FIRE HYDRANT DETAIL
DWG NO. 110-2
PAGE NO.

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FIRE HYDRANT DETAIL (D)

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DAVID M. DUNEMAN NEW MEXICO 17616 PROFESSIONAL ENGINEER 07/24/25

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA CT
BERNALILLO, NM

PROJECT NO.:	R314624.52
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
3	08/12/25	95% & CD's
2	05/16/25	60% & CD's
1	12/23/24	Design Development

WATER LINE DETAILS

C-508

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h:\proj\314624_14 - sc- animal shelter topo nepa\10 cadd & bim\10.1 autocad\sheets (lot 2)\R314624.14_WATER DETAILS.dwg
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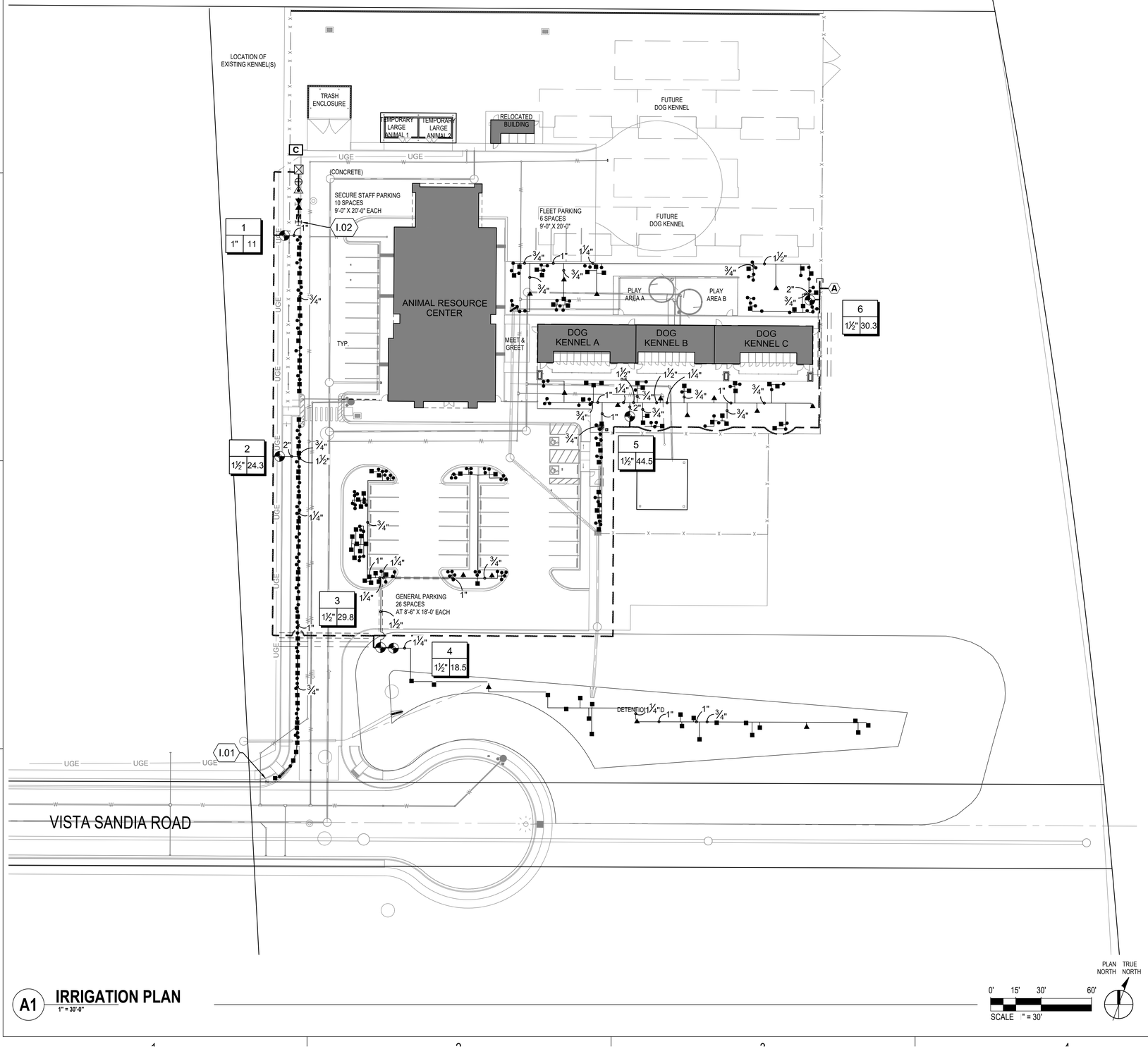


A1 **IRRIGATION PLAN**
1" = 30'-0"

PLAN NORTH TRUE NORTH

0' 15' 30' 60'
SCALE 1" = 30'

IRRIGATION GENERAL NOTES

A. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO CONSTRUCT THE PROPOSED IRRIGATION SYSTEM IN ACCORDANCE WITH THE PLANS, DETAILS, AND SPECIFICATIONS.

B. THIS SYSTEM WAS DESIGNED TO OPERATE AT A MINIMUM STATIC PRESSURE OF 45 PSI AT THE POINT OF CONNECTION. THE CONTRACTOR SHALL VERIFY ACTUAL PSI AND DELIVER RESULTS TO LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. IN THE EVENT THE ACTUAL PSI IS LESS THAN 45 PSI THE CONTRACTOR SHALL RECEIVE DIRECTION FROM LANDSCAPE ARCHITECT REGARDING POSSIBLE DESIGN MODIFICATIONS PRIOR TO INSTALLATION OF ANY IRRIGATION COMPONENTS. THE PRESSURE READING SHALL BE PERFORMED IN THE PRESENCE OF THE OWNER'S AUTHORIZED REPRESENTATIVE. RESULTS SHALL BE INCLUDED IN THE CONTRACTOR'S IRRIGATION EQUIPMENT SUBMITTAL INDICATING DATE AND TIME OF PRESSURE READING AND THE NAME OF ATTENDING OWNER'S REPRESENTATIVE.

C. CONTRACTOR SHALL INSTALL MAIN LINE AND LATERAL LINES IN SLEEVE PIPING AT ALL LOCATIONS WHERE LINES CROSS BENEATH PAVING OR RETAINING WALLS. SLEEVES SHALL BE CLASS 200, SDR-21, BELL END SOLVENT WELD PVC, TWO SIZES LARGER THAN PIPE TO BE CONTAINED (UNLESS OTHERWISE NOTED ON PLAN). SLEEVES FOR PVC SHALL BE AT LINE BURY DEPTH. COORDINATE IRRIGATION SLEEVE INSTALLATION WITH ALL TRADES TO ENSURE SLEEVES ARE INSTALLED PRIOR TO INSTALLATION OF CURB AND GUTTER, CONCRETE AND ASPHALT PAVEMENT, SIDEWALKS, SLABS, WALLS, ETC.

D. IRRIGATION PIPE ROUTING IS SHOWN DIAGRAMMATICALLY AND MAY REQUIRE MINOR FIELD ADJUSTMENTS. IN THE CASE OF MAJOR ADJUSTMENTS OR CHANGES TO THE DESIGN, CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING PRIOR TO PROCEEDING WITH THE WORK. ACTUAL PIPE ROUTING AND EQUIPMENT LOCATIONS SHALL BE COMPLETELY AND ACCURATELY NOTED IN THE PROJECT AS-BUILTS TO BE PROVIDED BY THE CONTRACTOR.

E. IRRIGATION PIPING SHALL NOT BE INSTALLED WITHIN THE DRIP LINE OF TREES. ALL ELBOWS AND TEES SHALL BE INSTALLED IN LANDSCAPE AREAS UNLESS OTHERWISE NOTED. IRRIGATION EQUIPMENT SHALL BE LOCATED IN LANDSCAPE AREAS.

F. CONTRACTOR SHALL PROVIDE TWO 120V, 20 AMP CIRCUITS FROM ELECTRICAL PANEL TO IRRIGATION BACKFLOW PREVENTER ENCLOSURE AND IRRIGATION CONTROLLER (ONE TO EACH). SEE ELECTRICAL DRAWINGS. WORK AND MATERIALS SHALL BE IN COMPLIANCE WITH LOCAL CODES AND THE NATIONAL ELECTRIC CODE (N.E.C.).

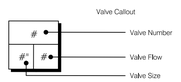
IRRIGATION KEYED NOTES

CODE	DESCRIPTION	DETAIL
I.01	EXISTING WATER METER	
I.02	IRRIGATION POINT OF CONNECTION. CONNECT TO 3" PVC WATERLINE-SEE CIVIL.	

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI	DETAIL
•	1401 (1 PER PLANT) PRESSURE COMPENSATING BUBBLER ASSEMBLIES, RAIN BIRD 1400 SERIES	30	A1/LI501
■	1401 (2 PER SHRUB) PRESSURE COMPENSATING BUBBLER ASSEMBLIES, RAIN BIRD 1400 SERIES	30	A1/LI501 B1/LI501
▲	1404 (3 PER TREE) PRESSURE COMPENSATING BUBBLER ASSEMBLIES, RAIN BIRD 1400 SERIES	30	A1/LI501 C1/LI501

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	DETAIL
	RAIN BIRD PEB 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL REMOTE CONTROL VALVE. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	B4/LI501
	ISOLATION VALVE SPEARS SCH. 80 PVC TRUE UNION BALL VALVE, SIZE 2".	C4/LI501
A	AIR RELEASE VALVE CRISPIN AL10, INSTALL AT HIGH POINT ON THE MAIN LINE.	C2/LI501
	FEBCO 825YA & RAIN BIRD PESB 2" REDUCED PRESSURE BACKFLOW PREVENTER AND MASTER VALVE ASSEMBLY	B2/LI501 B3/LI501
C	RAIN BIRD ESPLXME2-LXMMSS-LXMMSSPED 12 STATION, TRADITIONALLY-WIRED, COMMERCIAL CONTROLLER. INSTALL IN LXMMSS-LXMMSSPED STAINLESS STEEL CABINET W/ PEDESTAL.	A4/LI501
	RAIN BIRD FS-150-P 1-1/2IN. FLOW SENSOR, PLASTIC PVC MODEL. SUGGESTED OPERATING RANGE 5.0 GPM TO 100.0 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE. RAIN BIRD COMPATIBLE CONTROLLERS: ESP-LXIVM(P) | LXD | LXME2(P) | ME3, OR CONTROLLERS ACCEPTING CUSTOM K-FACTOR AND OFFSET. INSTALL IN RAIN BIRD VALVE BOX.	A2/LI501
	CAP FOR FUTURE USE CAP AT THE MAINLINE OR LATERAL LINE FOR FUTURE USE. THE PRESSURE AND FLOW PROVIDED TO THAT LOCATION ARE INDICATED NEXT TO THE CAP SYMBOL.	
M	POINT OF CONNECTION 3"	
	IRRIGATION LATERAL LINE, SCH. 40, BELL-END, SOLVENT WELD PVC. DEPTH OF BURY 18". SIZE AS SHOWN ON PLAN. PIPE CONVEYING LESS THAN 5 GPM SHALL BE ¾"	
	IRRIGATION MAIN LINE: SCHEDULE 40, BELL END, SOLVENT WELD PVC, SIZE 2". DEPTH OF BURY 36" FOR CONTINUOUS PRESSURE IRRIGATION MAIN, 18" FOR NON-CONTINUOUS.	
	PIPE SLEEVE: PVC CLASS 200 SDR 21	



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MAIL: 3612 Campus Blvd NE
Albuquerque, NM 87106
PHO: 505-549-9470
WEB: anthropop.com

STATE OF NEW MEXICO
WILL VUDSON MOSES
NO. 479
09/23/25
REGISTERED LANDSCAPE ARCHITECT

SANDOVAL COUNTY STATE OF NEW MEXICO

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA RD
BERNALILLO, NM

PROJECT NO.:	
DRAWN BY:	ER / HH
REVIEWED BY:	WM
APPROVED BY:	WM

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
	09/23/25	100% Construction Documents

IRRIGATION PLAN

LI101

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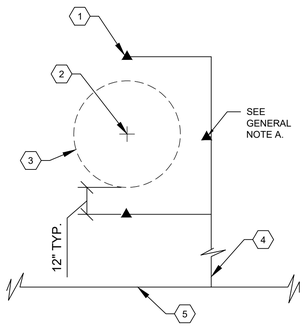


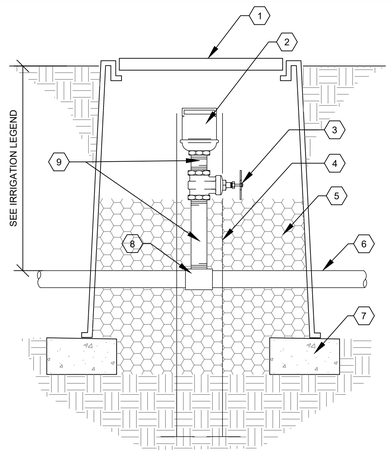
KEYED NOTES

1. BUBBLER, 3 PER TREE, TYP. SEE IRRIGATION LEGEND.
2. TREE CENTER.
3. EDGE OF ROOTBALL.
4. 3/4" LATERAL PIPE.
5. LATERAL PIPE, SIZE PER PLAN.

GENERAL NOTES

A. ON SLOPES, PLACE THIRD BUBBLER AT HIGH SIDE OF TREE.

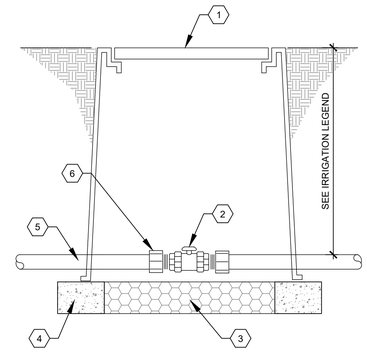
C1 BUBBLER LAYOUT AT TREES (3)
N.T.S.



KEYED NOTES

1. VALVE BOX. APPLIED ENGINEERING 1320 12" HIGH BOX WITH DROP-IN LID AND EXTENSIONS AS REQUIRED. TOP OF VALVE BOX SHALL BE FLUSH WITH FINISH GRADE. COLOR: TBD.
2. AIR RELEASE VALVE. SEE IRRIGATION LEGEND. PROVIDE 4" CLEARANCE TO TOP OF VALVE BOX.
3. NIBCO T-113 BRONZE GATE VALVE WITH HANDWHEEL.
4. TWO (2) TEE POSTS, SECURED TO IRRIGATION COMPONENTS WITH STAINLESS STEEL CLAMPS.
5. 1" DIA. WASHED ROCK, TOP OF ROCK SHALL BE FLUSH WITH BOTTOM OF GATE VALVE.
6. MAIN LINE PIPE, SEE IRRIGATION LEGEND.
7. SOLID CMU BLOCK, FOUR PER BOX.
8. IRRIGATION MAIN LINE TEE
9. SCH 80 PVC NIPPLE, LENGTH AS REQUIRED.

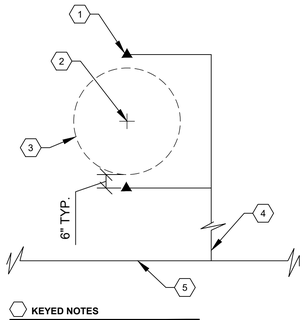
C2 AIR RELEASE VALVE ASSEMBLY
N.T.S.



KEYED NOTES

1. VALVE BOX. APPLIED ENGINEERING 1015 12" HIGH BOX WITH DROP-IN LID AND EXTENSIONS AS REQUIRED.
2. ISOLATION VALVE. SEE IRRIGATION LEGEND. CENTER IN VALVE BOX.
3. 6" DEPTH 1" WASHED GRAVEL. PROVIDE 2" CLEARANCE TO BOTTOM OF VALVE.
4. SOLID CMU BLOCK, 4 PER BOX.
5. MAINLINE PIPE, SEE IRRIGATION LEGEND.
6. SCH. 40 PVC MALE ADAPTER, TYP.

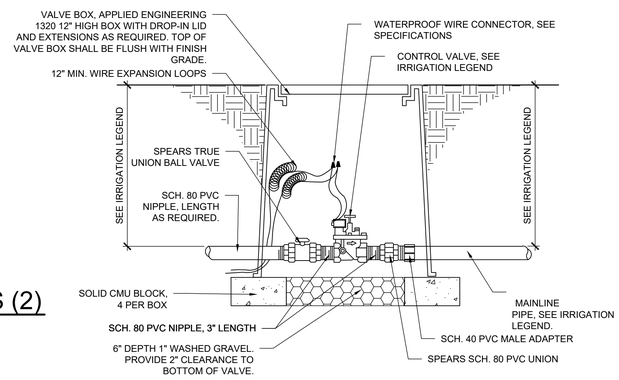
C4 MANUAL ISOLATION VALVE
N.T.S.



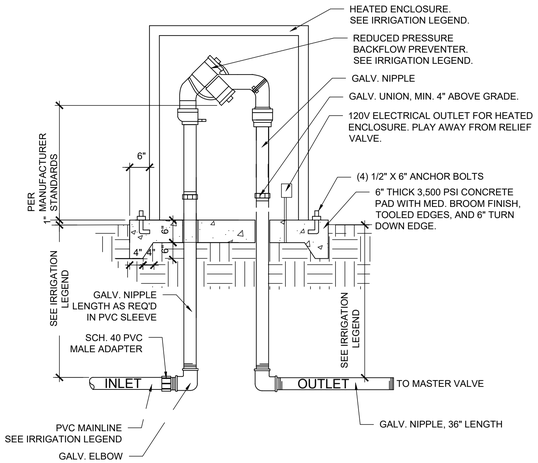
KEYED NOTES

1. BUBBLER, 2 PER SHRUB, TYP. SEE IRRIGATION LEGEND.
2. SHRUB CENTER.
3. EDGE OF ROOTBALL.
4. 3/4" LATERAL PIPE.
5. LATERAL PIPE, SIZE PER PLAN.

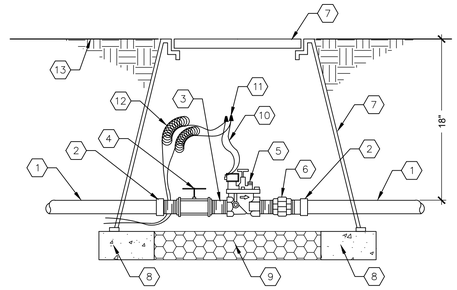
B1 BUBBLER LAYOUT AT SHRUBS (2)
N.T.S.



B2 MASTER VALVE ASSEMBLY
SCALE: N.T.S.



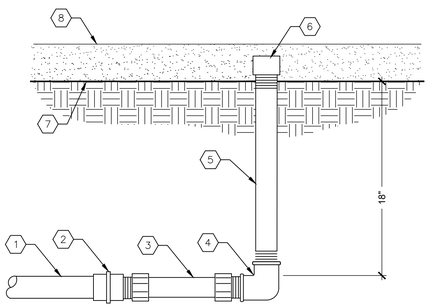
B3 RP BACKFLOW PREVENTER ASSEMBLY
SCALE: N.T.S.



KEYED NOTES

1. NON-CONSTANT PRESSURE IRRIGATION MAINLINE
2. SCH. 40 PVC MALE ADAPTER
3. SCH. 80 PVC NIPPLE
4. SCH. 80 PVC TRUE UNION BALL VALVE
5. AUTOMATIC VALVE - SEE IRRIGATION LEGEND
6. SCH. 80 PVC UNION
7. 17"x30" VALVE BOX WITH T-STYLE BOLT DOWN COVERAND EXTENSIONS AS REQUIRED - SEE IRRIGATION LEGEND
8. 8"x8"x16" SOLID CMU BLOCK, FOUR PER VALVE BOX
9. 6" DEPTH OF 1" DIAMETER WASHED GRAVEL, MINIMUM 2" CLEARANCE FROM BOTTOM OF VALVE BOX
10. AUTOMATIC VALVE CONTROL WIRE
11. WATERPROOF WIRE CONNECTOR
12. 36" LENGTH WIRE EXPANSION LOOPS
13. FINISH GRADE
14. IRRIGATION LATERAL PIPE
15. DRILLED HOLE THROUGH VALVE BOX EXTENSION SHALL BE ½" SIZE LARGER THAN PIPE

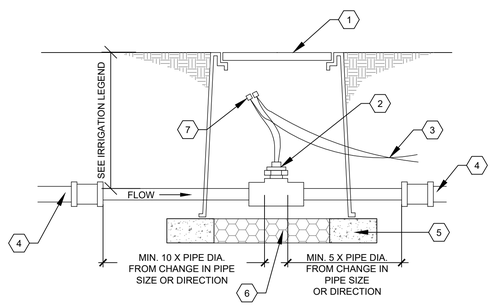
B4 AUTOMATIC VALVE ASSEMBLY
SCALE: N.T.S.



KEYED NOTES

1. IRRIGATION LATERAL PIPE
2. ¾"x ½" SCH. 40 PVC FEMALE ADAPTER
3. ½"x6" PVC FLEX NIPPLE
4. ½" SCH. 40 PVC THREADED ELBOW
5. ½" SCH. 80 PVC THREADED NIPPLE, LENGTH AS REQUIRED
6. PRESSURE COMPENSATING BUBBLER, SET TOP BUBBLER 1" BELOW TOP OF PLANS - SEE IRRIGATION LEGEND
7. TOP OF GRADE
8. TOP OF MULCH, SEE PLANTING NOTES FOR DEPTH OF MULCH

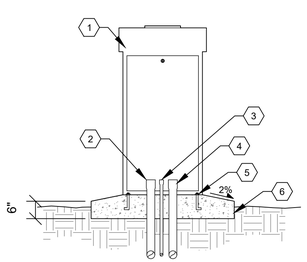
A1 BUBBLER ASSEMBLY
SCALE: N.T.S.



KEYED NOTES

1. VALVE BOX, APPLIED ENGINEERING 1015 12" HIGH BOX WITH DROP-IN LID AND EXTENSIONS AS REQUIRED. TOP OF VALVE BOX SHALL BE FLUSH WITH FINISH GRADE.
2. FLOW SENSOR, SEE IRRIGATION LEGEND.
3. SENSOR WIRES CONNECTED TO IRRIGATION CONTROLLER.
4. MAIN LINE PIPE, SEE IRRIGATION LEGEND.
5. SOLID CMU BLOCK, FOUR PER BOX.
6. 6" DEPTH 1" DIA. WASHED GRAVEL.
7. WATERPROOF CONNECTORS, SEE SPECIFICATIONS.

A2 FLOW SENSOR ASSEMBLY
N.T.S.



KEYED NOTES

1. AUTOMATIC CONTROLLER IN PEDESTAL ENCLOSURE. SEE IRRIGATION LEGEND. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
2. 3/4" RIGID PVC SWEEP ELL FOR 120V POWER.
3. 3/4" RIGID PVC SWEEP ELL FOR GROUND WIRE.
4. RIGID PVC SWEEP ELL FOR 24V WIRE, SIZE AS REQUIRED. EXTEND 12" PAST CONCRETE PAD.
5. 1/2" X 6" ANCHOR BOLTS.
6. 6" THICK 3500 PSI CONCRETE PAD WITH MED. BROOM FINISH. EXTEND PAD MIN. 18" BEYOND EACH SIDE OF ENCLOSURE, SLOPE TO DRAIN.

A4 PEDESTAL MOUNTED CONTROLLER
N.T.S.

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WILL HUDSON MOSES
NO. 479
09/23/25
REGISTERED LANDSCAPE ARCHITECT

SANDOVAL COUNTY · STATE OF NEW MEXICO ·

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA RD
BERNALILLO, NM

PROJECT NO.:	
DRAWN BY:	ER / HH
REVIEWED BY:	WM
APPROVED BY:	WM

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
	09/23/25	100% Construction Documents

IRRIGATION DETAILS

LI501

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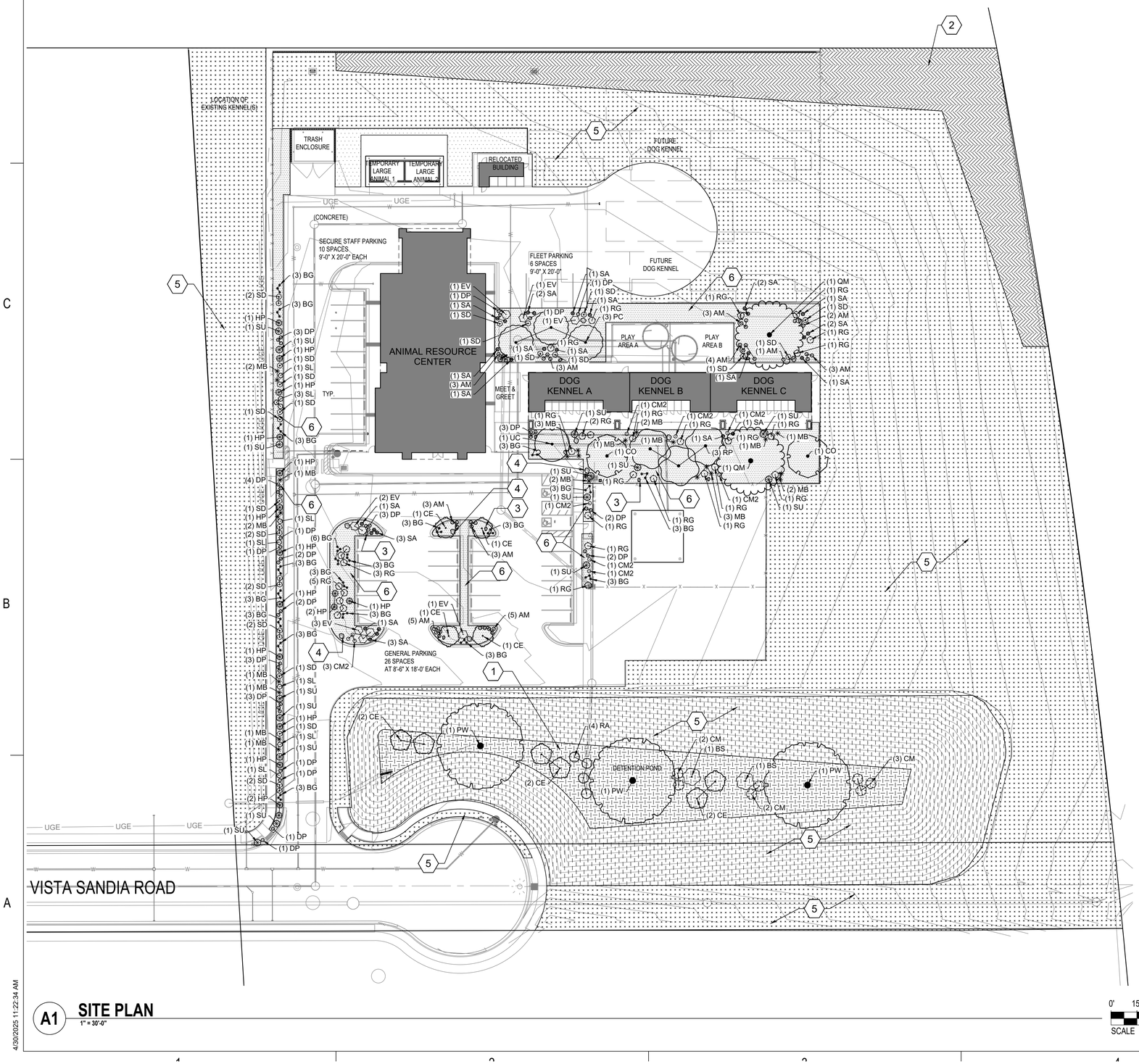

A1 **SITE PLAN**
1" = 30'-0"

0' 15' 30' 60'
SCALE 1" = 30'

PLAN NORTH TRUE NORTH

4/30/2025 11:22:34 AM

GENERAL NOTES

A. IF THERE IS A DISCREPANCY BETWEEN PLANT QUANTITIES LISTED IN THE PLANT SCHEDULE AND THOSE SHOWN ON THE PLANTING PLAN, QUANTITIES SHOWN ON THE PLAN SHALL GOVERN. CONTRACTOR SHALL VERIFY ALL QUANTITIES PRIOR TO BID. ADDITIONAL PAYMENT WILL NOT BE MADE FOR ANY DISCREPANCY IN QUANTITIES BETWEEN THE PLANTING PLAN AND THE PLANT SCHEDULE.

B. IF THERE IS A DISCREPANCY IN THE FIELD OR NURSERY BETWEEN THE CONTAINER SIZE LISTED UNDER "CONTAINER" AND HEIGHT & SPREAD LISTED UNDER "INSTALLED SIZE", THE SPECIFIED PLANT SHALL MEET HEIGHT & SPREAD REQUIREMENTS SPECIFIED UNDER "INSTALLED SIZE". IF A LARGER CONTAINER SIZE IS REQUIRED TO MEET THESE SPECIFICATIONS, IT SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.

C. TREES SHALL BE PLANTED PER DETAILS A1 & B1/LP501. SHRUBS SHALL BE PLANTED PER DETAILS A2 & B2/LP501.

D. FURNISH AND INSTALL 'MOSS ROCK' LANDSCAPE BOULDERS AS AVAILABLE FROM JPR GRAVEL (505-503-7766) OR APPROVED EQUAL. INSTALL PER DETAIL C4/LP501. CONTRACTOR SHALL SUBMIT (3) REPRESENTATIVE PHOTOS OF BOULDERS, INCLUDING A COMMON ITEM FOR SCALE, TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.

REFERENCE NOTES SCHEDULE

SYMBOL	CODE	DESCRIPTION	DETAIL
	1	FURNISH AND INSTALL WOOD MULCH WITH GSI REVEGETATION SEEDING. SEED MIX SHALL BE PER D4/LP501 AND INSTALLED PER NMDOT SPECIFICATIONS AND COVERED WITH 1" DEPTH 'NATIVE MULCH' AS AVAILABLE FROM SOILUTIONS (505-877-0220) OR APPROVED EQUAL. CONTRACTOR SHALL OMIT FILTER FABRIC AT DETENTION BASIN.	D4/LP501
	2	FURNISH AND INSTALL TO A 8" DEPTH 4"-8" "COYOTE MIST" ANGULAR COBBLE AS AVAILABLE FROM JPR GRAVEL (505-503-7766). INSTALL OVER FILTER FABRIC, 4 OZ/SY NONWOVEN NEEDLE PUNCHED POLYPROPYLENE (MIRAFI 140N OR EQUIVALENT). OVERLAP FABRIC ENDS 3", TURN DOWN EDGES 6". TOP OF ANGULAR COBBLE SHALL BE 1" BELOW TOP OF ADJACENT PAVING. PROVIDE SAMPLE OF ANGULAR COBBLE FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION	A4/LP501
	3	12-18 CF MOSS ROCK BOULDER, TYP. SEE GENERAL NOTE D.	C4/LP501
	4	18-24 CF MOSS ROCK BOULDER, TYP. SEE GENERAL NOTE D.	C4/LP501
	5	FURNISH AND INSTALL REVEGETATION SEEDING "NMDOT ZONE 5 SEED LIST." CONTRACTOR SHALL PERFORM SEEDING PER NMDOT SPECIFICATIONS.	
	6	FURNISH AND INSTALL A 3" DEPTH OF 1" 'MOUNTAINAIR BROWN' GRAVEL MULCH AS AVAILABLE FROM JPR GRAVEL (505-877-4913). INSTALL MULCH OVER FILTER FABRIC, MIN. 4 OZ/SY NONWOVEN NEEDLE PUNCHED POLYPROPYLENE (MIRAFI 140N OR EQUIVALENT). OVERLAP FABRIC ENDS 3", TURN DOWN EDGES 6". TOP OF GRAVEL MULCH SHALL BE 1" BELOW TOP OF ADJACENT PAVING. PROVIDE SAMPLE OF GRAVEL MULCH FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.	A4/LP501

PLANT SCHEDULE

CODE	BOTANICAL / COMMON NAME	SIZE	CONTAINER	QTY
TREES				
CO	CELTIS OCCIDENTALIS / COMMON HACKBERRY	2" CAL.	B&B	2
CE	CERCIS CANADENSIS / EASTERN REDBUD MULTI-TRUNK	6` HT.	B&B	10
PC	PISTACIA CHINENSIS / CHINESE PISTACHE	2" CAL.	B&B	3
PW	POPULUS DELTOIDES WISLIZENI / RIO GRANDE COTTONWOOD	2" CAL.	B&B	3
QM	QUERCUS MUEHLENBERGII / CHINKAPIN OAK	2" CAL.	B&B	2
RP	ROBINIA X AMBIGUA 'PURPLE ROBE' / PINK FLOWERING LOCUST	2" CAL.	B&B	3
UC	ULMUS X 'FRONTIER' / FRONTIER ELM	2" CAL.	B&B	1
SHRUBS				
BS	BACCHARIS SAROTHROIDES / DESERTBROOM BACCHARIS	MIN 12" HT	5 GAL	2
CM	CHAMAEBATIARIA MILLEFOLIUM / FERNBUSH	MIN 12" HT	5 GAL	7
CM2	CHRYSACTINIA MEXICANA / DAMIANITA	MIN 6" HT	3 GAL	10
EV	EPHEDRA VIRIDIS / MORMON TEA	MIN 12" HT	5 GAL	9
HP	HESPERALOE PARVIFLORA / RED YUCCA	MIN 12" HT	5 GAL	16
RG	RHUS AROMATICA 'GRO-LOW' / GRO-LOW FRAGRANT SUMAC	MIN 12" HT	5 GAL	29
RA	RHUS TRILOBATA 'AUTUMN AMBER' / AUTUMN AMBER SUMAC	MIN 12" HT	5 GAL	4
SD	SALVIA DORRII / DESERT SAGE	MIN 12" HT	5 GAL	25
SU	SALVIA ROSMARINUS / ROSEMARY	MIN 12" HT	3 GAL	15
GRASSES				
BG	BOUTELOUA GRACILIS / BLUE GRAMA GRASS	MIN 6" HT	1 GAL	60
MB	MUHLENBERGIA EMERSLEYI / BULL GRASS	MIN 12" HT	5 GAL	24
SA	SPOROBOLUS AIROIDES / ALKALI SACATON	MIN 6" HT	1 GAL	27
PERENNIALS				
AM	ACHILLEA MILLEFOLIUM / COMMON YARROW	MIN 6" HT	1 GAL	35
DP	DALEA PURPUREA / PURPLE PRAIRIE CLOVER	MIN 6" HT	1 GAL	36
SL	SPHAERALCEA AMBIGUA 'ORANGE CRUSH' / DESERT GLOBEMALLOW	MIN 6" HT	1 GAL	9

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WILLIAM HUDSON MOSES
NO. 479
09/23/25
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SANDOVAL COUNTY · STATE OF NEW MEXICO

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

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BERNALILLO, NM

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DRAWN BY: ER / HH
REVIEWED BY: WM
APPROVED BY: WM
ISSUE DRAWING LOG:

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PLANTING PLAN

LP101

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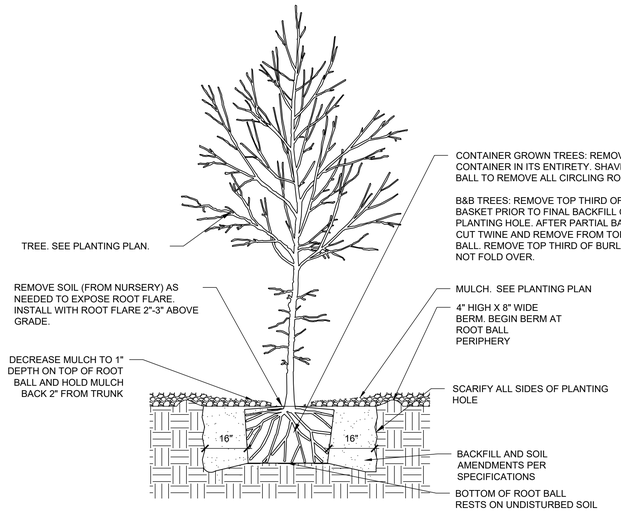
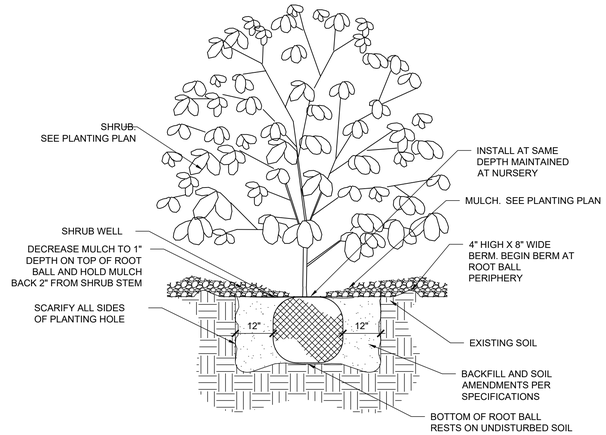


B1 TREE PLANTING

SCALE: N.T.S.



B2 SHRUB PLANTING

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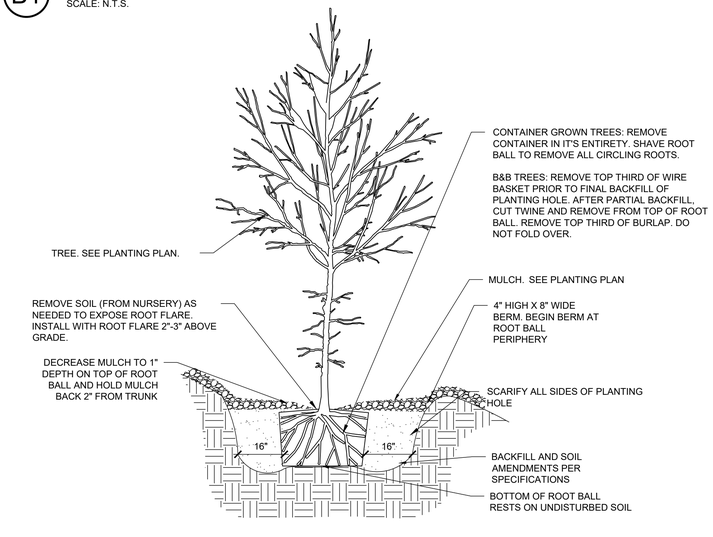
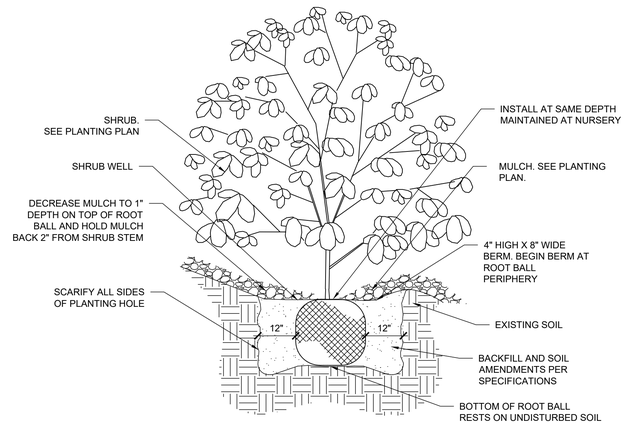


A1 TREE PLANTING DETAIL - ON SLOPE

SCALE: N.T.S.



A2 SHRUB PLANTING ON SLOPE

SCALE: N.T.S.

GSI REVEGETATION SEEDING

GRASSES

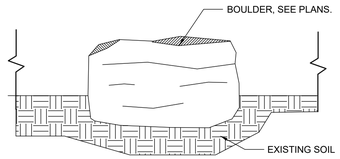
BOTANICAL NAME	COMMON NAME	#PLS/AC	
Muhlenbergia rigida	Nashville muhly	1.00	Sub: *Muhlenbergia rigens* -Deer grass
Nassella tenuissima	Mexican feather grass	2.00	
Panicum obstusum	Vine mesquite	1.00	
Schizachyrium scoparium	Little bluestem	3.00	
Sorgastrum nutans	Indiangrass	2.00	
Sporobolus airoides	Alkali sacaton	1.00	Sub: *Sporobolus wrightii* -Giant sacaton

HERBACEOUS PERENNIALS & ANNUAL WILDFLOWERS

BOTANICAL NAME	COMMON NAME	#PLS/AC	NOTE
Achillea millefolium	Common yarrow	0.25	
Artemesia frigida	Fringed sage	0.25	Sub: *Artemesia ludoviciana* -Prairie sage
Asclepias subverticullata	Horsetail milkweed	0.25	Sub: *Cirsium neomexicanum* -New Mexico thistle
Helianthus petiolaris	Prairie sunflower	0.25	Sub: *Ratibida columnifera* -Mexican hat
Linum lewsii	Blue flax	0.25	
Oenothera speciosa	Mexican evening primrose	0.25	
Penstemon ambiguus	Sand penstemon	0.25	Sub: *Penstemon thurberi* -Thurber's penstemon
Sphaeralcea spp.	Globemallow	0.25	
	TOTAL PLS/AC	**12.00**	

D4 GSI SEED BLEND

SCALE: N.T.S.

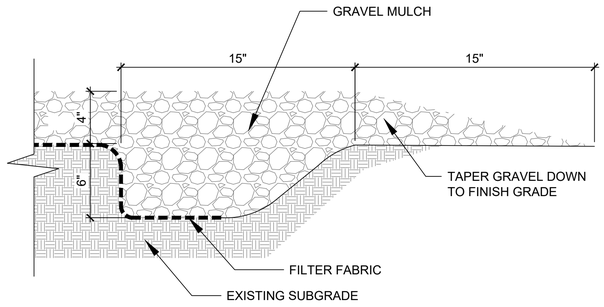


NOTE:

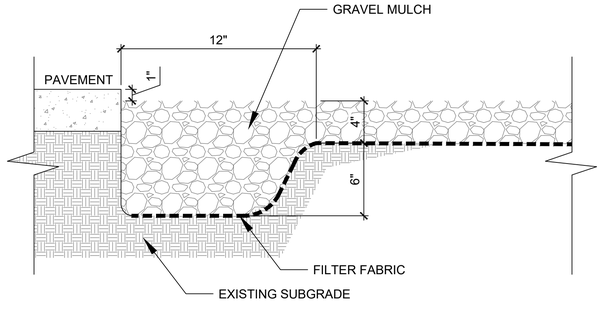
1. BURY APPROXIMATELY ⅓ BOULDER MASS.

C4 LANDSCAPE BOULDER

SCALE: 1/2" = 1'-0"



UNCONTAINED EDGE



EDGE AT PAVEMENT

A4 GRAVEL EDGE FINISH CONDITION

SCALE: N.T.S.

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LP501

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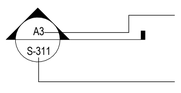
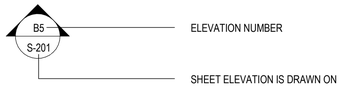
STRUCTURAL GRAPHIC SYMBOLS

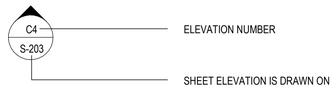
SECTION CROSS-REFERENCE SYMBOL



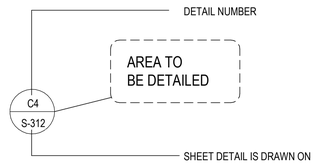
EXTERIOR ELEVATION CROSS-REFERENCE SYMBOL



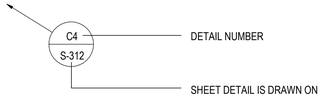
INTERIOR ELEVATION CROSS-REFERENCE SYMBOL



PLAN DETAIL CROSS-REFERENCE SYMBOL



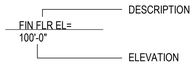
DETAIL CROSS-REFERENCE SYMBOL



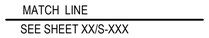
NORTH ARROW SYMBOL

KEYNOTE SYMBOL

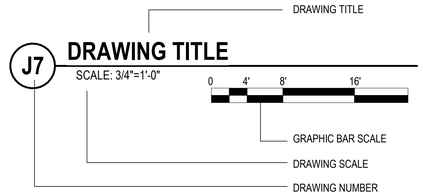
ELEVATION TARGET SYMBOL



MATCH LINE SYMBOL

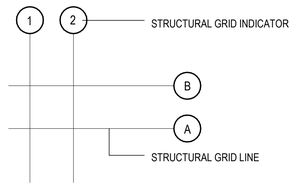


DRAWING TITLE SYMBOL



GRAPHIC BAR SCALE SYMBOL

STRUCTURAL GRID REFERENCE SYMBOL



REVISION INDICATOR SYMBOL

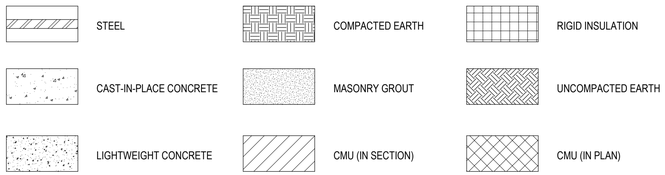
BASE PLATE MARK SYMBOL

FOOTING MARK SYMBOL

WALL MARK SYMBOL

MOMENT CONNECTION SYMBOL

STRUCTURAL MATERIALS LEGEND



ABBREVIATIONS

A/E	ARCHITECT/ENGINEER
AB	ANCHOR BOLT
ABAN	ABANDON
ABBRV	ABBREVIATION
AC	ASPHALTIC CONCRETE
ACI	AMERICAN CONCRETE INSTITUTE
ACP	ASPHALTIC CONCRETE PAVING
ACR	ACROSS
ACST	ACOUSTIC
AD	AREA DRAIN
ADA	AMERICANS WITH DISABILITIES ACT
ADDL	ADDITIONAL
ADDM	ADDENDUM
ADJ	ADJACENT/ADJOINING
ADMIN	ADMINISTRATION
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFS	ABOVE FINISHED SLAB
AGGR	AGGREGATE
AHR	ANCHOR
AIA	AMERICAN INSTITUTE OF ARCHITECTS
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AISI	AMERICAN IRON AND STEEL INSTITUTE
AITC	AMERICAN INSTITUTE OF TIMBER CONSTRUCTION
ALNMT	ALIGNMENT
ALT	ALTERNATE, ALTERNATIVE
ALUM	ALUMINUM
AMT	AMOUNT
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APA	AMERICAN PLYWOOD ASSOCIATION
APPD	APPROVED
APPROX	APPROXIMATE
APPX	APPENDIX
AR	AS REQUIRED
ARCH	ARCHITECT
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASPH	ASPHALT
ASI	ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS
ASSN	ASSOCIATION
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
ATCH	ATTACHMENT
ATTN	ATTENTION
AWS	AMERICAN WELDING SOCIETY
AZ	AZIMUTH
B&F	BELL AND FLANGE
BAL	BALANCE
B/B	BACK TO BACK
BC	BOTTOM CHORD
BD	BOARD
BDRY	BOUNDARY
BEV	BEVEL
BFF	BELOW FINISH FLOOR
BKG	BACKING
BKGD	BACKGROUND
BLD	BUILD
BLDG	BUILDING
BLK	BLOCK/BLOCKING
BLT	BUILT
BLVD	BOULEVARD
BLW	BELOW
BM	BEAM
BO	BOTTOM OF
BOS	BOTTOM OF STEEL
BOT	BOTTOM
B PL	BASE PLATE
BRCG	BRACING
BRDG	BRIDGING
BRG	BEARING
BRG PL	BEARING PLATE
BS	BOTH SIDES
BSMT	BASEMENT
BT WLD	BUTT WELD
BTWN	BETWEEN
C	CHANNEL
C/C	CENTER TO CENTER
CAM	CAMBER
CAN	CANOPY
CD	CONSTRUCTION DOCUMENTS, CONTRACT DOCUMENTS
CEM	CEMENT
CHFR	CHAMFER
CHKD	CHECKED/CHECKERED
CI	CAST IRON
CIP	CAST-IN-PLACE
CJ	CONSTRUCTION JOINT
CJ	CONTRACTION JOINT
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
cm	CENTIMETER
CMU	CONCRETE MASONRY UNIT
CO	COMPANY
COA	CITY OF ALBUQUERQUE
COL	COLUMN
COM	COMMON
CONC	CONCRETE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS , CONTINUE
CONTR	CONTRACTOR
COORD	COORDINATE
CRSI	CONCRETE REINFORCING STEEL INSTITUTE
CSI	CONSTRUCTION SPECIFICATIONS INSTITUTE
CTR	CENTER
CTRL	CONTROL
CU	CUBIC
CU YD	CUBIC YARD
D	DEEP, DEPTH
D-B	DESIGN-BUILD
DAT	DATUM
DBL	DOUBLE
DEG	DEGREE
DEL	DELETE
DEMO	DEMOLITION
DET	DETAIL
DEV	DEVELOPMENT
DFTG	DRAFTING
DIA	DIAMETER
DIAG	DIAGONAL

DIFF	DIFFERENCE, DIFFERENTIAL
DIM	DIMENSION
DIST	DISTANCE
DIV	DIVIDE
DJ	DOUBLE JOIST
DL	DEAD LOAD
DOC	DOCUMENT
DOUG FIR	DOUGLAS FIR
DSGN	DESIGN
DWG	DRAWING
DWL/DWLS	DOWELS
E	EAST, MODULUS OF ELASTICITY
EA	EACH
EE	EACH END
EF	EACH FACE
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELAST	ELASTOMERIC
ELEC	ELECTRIC
ELEM	ELEMENTARY
ELEV	ELEVATOR
EMBED	EMBEDDED / EMBEDMENT
ENCL	ENCLOSURE
ENGR	ENGINEER
EOS	EDGE OF SLAB
EPA	ENVIRONMENTAL PROTECTION AGENCY
EQ	EQUAL
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
ESCAL	ESCALATOR
ESMT	EASEMENT
EST	ESTIMATE
ETC	ET CETERA
EW	EACH WAY
EX	EXAMPLE
EXC	EXCAVATE
EXCL	EXCLUDE
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
F/F	FACE TO FACE
FAB	FABRIC
FACIL	FACILITY
FB	FLAT BAR
FD	FLOOR DRAIN
FDTN	FOUNDATION
FF	FAR FACE
FF EL	FINISH FLOOR ELEVATION
FIN GR	FINISH GRADE
FH	FLAT HEAD
FIN	FINISH
FIN FLR	FINISH FLOOR
FLG	FLANGE
FLR	FLOOR
FLR SK	FLOOR SINK
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF SLAB
FOS	FACE OF STUD
FOW	FACE OF WALL
FR	FRAME
FRMG	FRAMING
FS	FAR SIDE
FSTNR	FASTENER
FT	FOOT / FEET
FT/LB	FOOT/POUND
FT/LBF	FOOT/POUND FORCE
FTG	FOOTING
FUT	FUTURE
G	GIRDER
GA	GAGE
GALV	GALVANIZED
GALV STL	GALVANIZED STEEL
GR BM	GRADE BEAM
GC	GENERAL CONTRACTOR
GEN	GENERAL
GLU LAM	GLUED LAMINATED WOOD
GLZ	GLAZING
GOVT	GOVERNMENT
GRTG	GRATING
GT	GROUT
H	HIGH
HAS	HEADED ANCHOR STUD
HC	HOLLOW-CORE
HCP	HANDICAPPED
HD	HEAVY DUTY
HGR	HANGER
HLDN	HOLDDOWN
HORIZ	HORIZONTAL
HS	HIGH STRENGTH
HSKPG	HOUSEKEEPING
HSS	HOLLOW STRUCTURAL SECTIONS
HST	HOIST
HT	HEIGHT
IBC	INTERNATIONAL BUILDING CODE
ID	INSIDE DIAMETER
IF	INSIDE FACE
IFS	INSIDE FACE OF STUD
IN	INCH
INCL	INCLUDED
INFO	INFORMATION
IN-LB	INCH-POUND
IN-LBF	INCH-POUND FORCE
INSTL	INSTALL
INSUL	INSULATION
INT	INTERIOR
IR	INSIDE RADIUS
k	KIP
K	THOUSAND
KB	KNEE BRACE
KCJ	KEYED CONTROL JOINT
KIP	THOUSAND POUNDS
KIP FT	THOUSAND FOOT/POUNDS
KLF	KIPS PER LINEAL FOOT
KO	KNOCK OUT
KOP	KNOCK OUT PANEL
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH
L	ANGLE
LAM	LAMINATE
LATL	LATERAL

LBF	POUND-FORCE
LBR	LUMBER
LBS	POUND
LD BRG	LOAD BEARING
LF	LINEAR FEET (FOOT)
LIN	LINEAR
LL	LIVE LOAD
LLBB	LONG LEG BACK TO BACK
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LONG	LONGITUDINAL
LT GA	LIGHT GAGE
LT WT	LIGHT WEIGHT
LVR	LOUVER
LWC	LIGHTWEIGHT CONCRETE
M	MOMENT
MAINT	MAINTENANCE
MATL	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLT
MC	MOMENT CONNECTION
MCJ	MASONRY CONTROL JOINT
MD	METAL DECK
ME	MECHANICAL ENGINEER
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MID	MIDDLE
MIN	MINIMUM
MISC	MISCELLANEOUS
ML	MICRO-LAMINATED
ML	MONOLITHIC
MO	MASONRY OPENING
MS	MACHINE SCREW
MSL	MEAN SEA LEVEL
MTL	METAL
N	NORTH
NA	NOT APPLICABLE
NF	NEAR FACE
NIC	NOT IN CONTRACT
NM	NEW MEXICO
NO	NUMBER
NOM	NOMINAL
NS	NEAR SIDE
NTS	NOT TO SCALE
O/O	OUT TO OUT
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OFS	OUTSIDE FACE OF STUD
OPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
OPT	OPTIONAL
OR	OUTSIDE RADIUS
PAR	PARALLEL, PARAPET
PART	PARTIAL
PC	PIECE, PORTLAND CEMENT
PCC	PRECAST CONCRETE
PCF	POUNDS PER CUBIC FOOT
PCI	PRECAST/PRESTRESSED CONCRETE INSTITUTE
PED	PEDESTAL
PEN	PENETRATE
PERIM	PERIMETER
PERP	PERPENDICULAR
PH	PHASE
PIL	PILASTER
PL	PLATE
PLAT	PLATFORM
PLBG	PLUMBING
PLF	POUNDS PER LINEAR FOOT
PLM	PARALLAM
PLYWD	PLYWOOD
POS	POSITION
PP	PANEL POINT
PRCST	PRECAST
PREFAB	PREFABRICATE
PRELIM	PRELIMINARY
PREV	PREVIOUS
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POST-TENSIONED
PT CONC	POST-TENSIONED CONCRETE
PTN	PARTITION
PVG	PAVING
QTY	QUANTITY
QUAD	QUADRANT
R	RADIUS, RISER
RC	REINFORCED CONCRETE
RD	ROAD, ROOF DRAIN
REC	RECESSED
REF	REFERENCE
REINF	REINFORCE/REINFORCEMENT
REPL	REPLACE
REQ	REQUIRE
REQD	REQUIRED
REV	REVISION
RGD INS	RIGID INSULATION
RFI	REQUEST FOR INFORMATION
RND	ROUND
RO	ROUGH OPENING
RT	RIGHT
RVL	REVEAL
S	SOUTH
SCHEM	SCHEMATIC
SCHED	SCHEDULE
SD	SHOP DRAWINGS
SDI	STEEL DECK INSTITUTE
SDL	SADDLE
SE	STRUCTURAL ENGINEER
SECT	SECTION
SF	SQUARE FEET (FOOT)
SHT	SHEET, SHAFT
SHTHG	SHEATHING
SIM	SIMILAR
SJI	STEEL JOIST INSTITUTE
SLNT	SEALANT
SM	SMOOTH
SP	SUMP PIT
SPA	SPACE/SPACES
SPEC	SPECIFICATION

SPRT	SUPPORT
SQ	SQUARE
SQ IN	SQUARE INCH
SQ YD	SQUARE YARD
SSPC	STRUCTURAL STEEL PAINTING COUNCIL
ST	STAIRS
STAG	STAGGERED
STD	STANDARD
STIF	STIFFENER
STIR	STIRRUP
STAG	STAGGERED
STD	STANDARD
STIF	STIFFENER
STIR	STIRRUP
STL	STEEL
STL LNTL	STEEL LINTEL
STL	JST STEEL JOIST
STL PL	STEEL PLATE
STL RF DK	STEEL ROOF DECK
STR	STRINGERS
STRUCT	STRUCTURAL
SUB	SUBSTITUTE
SUF	SUFFICIENT
SUP	SUPPLEMENTARY
SUPPL	SUPPLEMENT
SYM	SYMBOL
SYMM	SYMMETRICAL
SYS	SYSTEM
T	TREAD
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TAN	TANGENT
TB	THRU BOLT
TEMP	TEMPORARY
THD	THREAD
THK	THICKNESS
THRU	THROUGH
TJI	TRUSS JOIST INSTITUTE
TO	TOP OF
TOB	TOP OF BEAM
TOC	TOP OF CONCRETE
TOC FTG	TOP OF CONCRETE FOOTING
TOC WALL	TOP OF CONCRETE WALL
TOF	TOP OF FOOTING
TOG	TOP OF GRATE
TOJ	TOP OF JOIST
TOL	TOLERANCE
TOM	TOP OF MASONRY
TOP	TOP OF PARAPET
TOS	TOP OF SLAB
TOS	TOP OF STEEL
TOW	TOP OF WALL
TRANS	TRANSVERSE
TRNBKL	TURNBUCKLE
TYP	TYPICAL
UBC	UNIFORM BUILDING CODE
UNO	UNLESS NOTED OTHERWISE
VAR	VARIES
VERT	VERTICAL
VIF	VERIFY IN FIELD
VNR	VENEER
VR	VAPOR RETARDER
VRFY	VERIFY
W	WEST, WIDE
W/	WITH
W/O	WITHOUT
WBL	WOOD BLOCKING
WD	WOOD
WF	WIDE FLANGE
WF BM	WIDE FLANGE BEAM
WL	WIND LOAD
WLD	WELDED
WM	WIRE MESH
WP	WATERPROOFING
WSCT	WAINSCOT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH
X BRACE	CROSS BRACING
XXH	DOUBLE EXTRA HEAVY
YD	YARD

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09/23/2025

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SANDOVAL COUNTY · STATE OF NEW MEXICO

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA RD
BERNALILLO, NM

PROJECT NO.:	R314624.52
DRAWN BY:	TH
REVIEWED BY:	GB
APPROVED BY:	GB

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
3	09/23/2025	100% CDs
2	07/25/2025	95% CDs
1	05/16/2025	70% CDs

ABBREVIATIONS AND LEGEND

S-001

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GENERAL FOUNDATION NOTES

GENERAL:

THE FOUNDATION NOTES INCLUDED HEREIN ARE A SUMMARY OF THE REQUIREMENTS OF THE PROJECT GEOTECHNICAL REPORT. THESE NOTES ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR ONLY.

IF THERE ARE DISCREPANCIES BETWEEN THE FOUNDATION NOTES AND THE PROJECT GEOTECHNICAL REPORT, THE PROJECT GEOTECHNICAL REPORT SHALL GOVERN.

A SUBSURFACE GEOTECHNICAL INVESTIGATION HAS BEEN MADE BY WESTERN TECHNOLOGIES, JOB NO. 32-224073-0.

A REPORT OF THAT INVESTIGATION DATED JUNE 5,2024 IS AVAILABLE FOR VIEWING IN THE PROJECT MANUAL.

THE FOUNDATION SYSTEM FOR THIS PROJECT IS SPREAD FOOTINGS OVER ENGINEERED FILL.

ADDITIONAL INFORMATION CONCERNING THE SPECIFIC SITE SOIL CONDITIONS TO BE ENCOUNTERED ARE IN THE PROJECT GEOTECHNICAL REPORT AND SHALL BE REVIEWED AND FULLY UNDERSTOOD BY THE CONTRACTOR.

IF THERE ARE ANY QUESTIONS REGARDING THE REQUIREMENTS OF THE PROJECT GEOTECHNICAL REPORT, THE CONTRACTOR SHALL ISSUE RFI'S (REQUESTS FOR INFORMATION) TO THE ARCHITECT FOR CLARIFICATION. EARTHWORK SHALL NOT PROCEED UNTIL THE REQUIREMENTS OF THE PROJECT GEOTECHNICAL REPORT ARE FULLY UNDERSTOOD BY THE CONTRACTOR.

FIELD OBSERVATION AND TESTS:

THE OWNER SHALL EMPLOY THE SERVICES OF A REGISTERED, LICENSED GEOTECHNICAL ENGINEER TO OBSERVE ALL CONTROLLED EARTHWORK. THE GEOTECHNICAL ENGINEER SHALL PROVIDE CONTINUOUS ON-SITE OBSERVATION BY EXPERIENCED PERSONNEL DURING CONSTRUCTION OF CONTROLLED EARTHWORK. THE CONTRACTOR SHALL NOTIFY THE GEOTECHNICAL ENGINEER AT LEAST TWO WORKING DAYS IN ADVANCE OF ANY FIELD OPERATIONS OF THE CONTROLLED EARTHWORK.

TESTS OF MATERIALS SHALL BE MADE AT THE FOLLOWING MINIMUM RATES. THE ON-SITE GEOTECHNICAL ENGINEER SHALL DETERMINE THE ACTUAL TESTING RATES:

ONE FIELD DENSITY TEST PER 2500 SQUARE FEET OF COMPACTED SUBGRADE, PRIOR TO PLACING STRUCTURAL FILL OR SLAB-ON-GRADE, WITH A MINIMUM OF 3 TESTS.

ONE FIELD DENSITY TEST PER 2500 SQUARE FEET OF STRUCTURAL FILL PLACED OR PER EACH HORIZONTAL LAYER OF STRUCTURAL FILL, WHICHEVER IS THE GREATER NUMBER OF TESTS.

ONE MOISTURE-DENSITY CURVE FOR EACH TYPE OF MATERIAL USED, AS INDICATED BY THE SIEVE ANALYSIS AND THE PLASTICITY INDEX.

THE GEOTECHNICAL ENGINEER SHALL SUBMIT THE RESULTS OF ALL REQUIRED TESTS.

CLEARING AND GRUBBING:

REMOVE ALL BRUSH, RUBBISH, GRASS, AND GRASS ROOTS FROM THE CONSTRUCTION AREA.

REMOVE STUMPS, MATTED ROOTS AND ROCKS LARGER THAN 2 INCHES IN DIAMETER WITHIN 6 INCHES OF THE SURFACE OF AREAS ON WHICH FILL AND/OR FOOTINGS ARE TO BE CONSTRUCTED.

REMOVE ALL TOPSOIL FROM THE CONSTRUCTION AREA. THIS MATERIAL SHALL NOT BE USED AS FILL MATERIAL, BUT MAY BE STOCKPILED AND LATER USED IN THE TOP 6 INCHES OF FILL OUTSIDE THE BUILDING PAD.

SITE, SUBFLOOR AND BEARING SURFACE PREPARATION:

A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER SHALL BE PRESENT TO CONFIRM COMPLETE EXCAVATION OF ANY UNCONTROLLED FILL.

OVEREXCAVATE ALL SOILS UNDERLYING FOOTINGS AND ALL UNCONTROLLED FILL TO A MINIMUM DEPTH OF 3 FEET BELOW BOTTOM OF FOOTING OR 5 FEET BELOW EXISTING SITE GRADE, WHICHEVER IS DEEPER.

OVEREXCAVATE ALL SOILS UNDERLYING FLOOR SLAB TO A MINIMUM DEPTH OF 18 INCHES.

OVEREXCAVATE ALL SOILS UNDERLYING SITE RETAINING WALL FOOTINGS TO A MINIMUM DEPTH OF 3 FEET.

SCARIFY ALL EXPOSED SUBGRADE SOILS TO A DEPTH OF 10 INCHES, MOISTEN TO OPTIMUM MOISTURE CONTENT (+/- 3%) AND COMPACT TO THE DENSITY SPECIFIED HEREINAFTER.

PLACE ALL STRUCTURAL FILL IN APPROXIMATELY HORIZONTAL LAYERS NOT GREATER THAN 10 INCHES IN LOOSE THICKNESS, MOISTEN TO OPTIMUM MOISTURE CONTENT (+/- 3%) AND COMPACT TO DENSITY SPECIFIED HEREINAFTER.

ALL EARTHWORK FOR THE BUILDING PAD SHALL EXTEND A MINIMUM OF 3 FEET BEYOND THE PERIMETER FOOTINGS.

ALL PAVING, SIDEWALKS, AND EXPOSED GRADE DIRECTLY ADJACENT TO THE EXTERIOR WALLS OF THE BUILDING SHALL POSITIVELY DRAIN AWAY FROM THE BUILDING. SEE THE PROJECT GEOTECHNICAL REPORT FOR THE SPECIFIC POSITIVE DRAINAGE REQUIREMENTS AND ANY REQUIREMENTS REGARDING PLANTERS, VEGETATION AND IRRIGATION.

STRUCTURAL FILL REQUIREMENTS:

GRADATION (ASTM D422):

SIEVE SIZE	PERCENT PASSING BY WEIGHT
6"	100
4"	85-100
3/4"	70-100
NO. 4	50-100
NO. 200	30 MAXIMUM

PLASTICITY INDEX (ASTM D4318): 5 MAXIMUM
MAXIMUM SOLUBLE SULFATES: 0.10%

MATERIAL LARGER THAN 6 INCHES SHALL NOT BE PLACED IN THE STRUCTURAL FILL, AND MATERIAL LARGER THAN 4 INCHES SHALL NOT BE PLACED WITHIN TWELVE INCHES OF THE BEARING SURFACES OF SLABS OR FOUNDATIONS.

NO BRUSH, SOD, FROZEN MATERIAL OR OTHER UNSUITABLE MATERIAL SHALL BE PLACED IN THE STRUCTURAL FILL. MATERIAL SHALL BE PLACED IN SUCH A MANNER AS TO RESULT IN A UNIFORMLY COMPACTED FILL.

BASED ON THE REQUIREMENTS FOR THE STRUCTURAL FILL AND THE DESCRIPTION OF THE EXISTING SITE SOILS IN THE PROJECT GEOTECHNICAL REPORT, THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE MOST APPROPRIATE METHOD FOR PROVIDING THE REQUIRED STRUCTURAL FILL. DEPENDING ON THE SITE CONDITIONS, APPROPRIATE METHODS COULD INCLUDE REBLENDING OF THE EXISTING SITE SOILS, MIXING THE EXISTING SITE SOILS WITH IMPORTED FILL, OR REMOVING THE EXISTING SITE SOILS ENTIRELY AND REPLACING WITH IMPORTED FILL.

GRANULAR BASE COURSE REQUIREMENTS:

GRADATION (ASTM C136):

SIEVE SIZE	PERCENT PASSING BY WEIGHT
1"	100
3/4"	85-100
NO. 4	45-95
NO. 200	0-8

PLASTICITY INDEX (ASTM D4318): 3 MAXIMUM

THE COURSE AGGREGATE SHALL HAVE A PERCENT WEAR OF 50 OR LESS WHEN TESTED IN ACCORDANCE WITH ASTM C131.

GENERAL FOUNDATION NOTES

COMPACTION REQUIREMENTS:

IN ACCORDANCE WITH ASTM D1557 (MODIFIED PROCTOR), SUBGRADE SOILS AND STRUCTURAL FILL MATERIALS SHALL BE COMPACTED TO THE FOLLOWING PERCENTAGES OF THE MAXIMUM DRY DENSITY AT +/- 3% OPTIMUM MOISTURE CONTENT:

MATERIAL	MINIMUM PERCENT COMPACTION
STRUCTURAL FILL IN THE BUILDING AREA	95
SUBBASE FOR SLAB SUPPORT	95
SUBGRADE BELOW STRUCTURAL FILL	95
STRUCTURAL FILL 5 FEET BELOW FINISHED GRADE	98
MISCELLANEOUS BACKFILL	90

SITE RETAINING WALL DESIGN CRITERIA:

LOADING CONDITION	EQUIVALENT FLUID PRESSURE
ACTIVE EARTH PRESSURE	40 PCF
PASSIVE EARTH PRESSURE	250 PCF
EARTH PRESSURE AT REST	60 PCF
SOIL FRICTION FACTOR	0.30
SOIL BEARING CAPACITY	2500 PSF

GENERAL STRUCTURAL NOTES

CODES AND MANUALS:

IBC-21: INTERNATIONAL BUILDING CODE 2021
ASCE/SEI 7-16: MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
AISC 360-16: SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS
AISC MANUAL OF STEEL CONSTRUCTION 15TH EDITION
SJI-100-20: 45TH EDITION STANDARD SPECIFICATIONS, LOAD TABLES AND WEIGHT TABLES FOR K-SERIES, LH-SERIES, DLH-SERIES AND JOIST GIRDERS.
SJI-200-15:2ND EDITION STANDARD SPECIFICATIONS, WEIGHT TABLES AND BRIDGING TABLES FOR CJ-SERIES COMPOSITE STEEL JOISTS.
SDI DIAPHRAGM DESIGN MANUAL, 4TH EDITION
SDI RD-17: STANDARD FOR STEEL ROOF DECK
AISI S100-16: NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS
AISI S202-20: CODE OF STANDARD PRACTICE FOR COLD-FORMED STEEL FRAMING
AISI S240-20: NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL STRUCTURAL FRAMING
AISI S400-20: NORTH AMERICAN STANDARD FOR SEISMIC DESIGN OF COLD-FORMED STEEL STRUCTURAL SYSTEMS
ACI 318-19: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
TMS 402-16 BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES
TMS 602-16 SPECIFICATIONS FOR MASONRY STRUCTURES
AWS D1.1-10: STRUCTURAL WELDING CODE – STEEL
AWS D1.3-08: STRUCTURAL WELDING CODE – SHEET STEEL

DESIGN CRITERIA:

VERTICAL:

ROOF LIVE LOAD: LR = 20*R1*R2	20 PSF
REDUCTION FACTOR BASED ON TRIB AREA	R1=1.0
REDUCTION FACTOR BASED ON ROOF SLOPE	R2=1.0
SNOW LOAD	
GROUND SNOW LOAD	PG=20 PSF
FLAT ROOF SNOW LOAD**	PF=20 PSF
SNOW EXPOSURE FACTOR	CE=1.0
SNOW LOAD IMPORTANCE FACTOR	IS=1.0
THERMAL FACTOR	CT=1.0
**INCLUDES 5 PSF RAIN-ON SNOW SURCHARGE LOAD	

HORIZONTAL:

WIND	
ULTIMATE DESIGN WIND SPEED	104 MPH
RISK CATEGORY	II
EXPOSURE	C
SEISMIC	
SEISMIC IMPORTANCE FACTOR	IE = 1.0
MAPPED SPECTRAL RESPONSE ACCELERATIONS	
SHORT PERIOD	SS=0.510G
1 SECOND PERIOD	S1=0.150G
SITE CLASS	D
SPECTRAL RESPONSE COEFFICIENTS	
SHORT PERIOD	SDS=0.43G
1 SECOND PERIOD	SD1=0.260G
SEISMIC DESIGN CATEGORY	D
BASIC SEISMIC FORCE RESISTING SYSTEM: BEARING WALL SYSTEM – LIGHT-FRAME (COLD-FORMED STEEL) WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE AND INTERMEDIATE MASONRY SHEAR WALLS	
SEISMIC RESPONSE COEFFICIENT	CS=0.120
RESPONSE MODIFICATION FACTOR	R = 3.5
DESIGN BASE SHEAR	V = 0.120W
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE	
ALLOWABLE SOIL BEARING PRESSURE =	2500 PSF
FROST DEPTH =	18 INCHES
FUTURE BUILDING EXPANSION:	NONE

GENERAL:

STRUCTURAL DRAWINGS ARE NOT STAND-ALONE DOCUMENTS AND ARE INTENDED TO BE USED IN CONJUNCTION WITH CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND DRAWINGS FROM OTHER DISCIPLINES. THE CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS INTO THE SHOP DRAWINGS AND FIELD WORK.

COORDINATE DIMENSIONS OF ALL OPENINGS, DEPRESSIONS, BLOCKOUTS, ETC. WITH ARCHITECTURAL DRAWINGS, DRAWINGS FROM OTHER DISCIPLINES, PROJECT SHOP DRAWINGS, AND FIELD CONDITIONS PRIOR TO SHOP DRAWING SUBMITTAL. THE STRUCTURAL DRAWINGS ONLY REPRESENT A PORTION OF THE REQUIREMENTS FOR THE PROJECT.

SEE ARCHITECTURAL PLANS FOR INTERIOR NON-BEARING PARTITION WALLS. PARTITION FRAMING SHALL BE CONNECTED TO THE PRIMARY STRUCTURE TO ALLOW FOR VERTICAL LIVE LOAD DEFLECTIONS OF SPAN/360 FOR FLOOR FRAMING AND SPAN/240 FOR ROOF FRAMING.

CONTRACTOR'S CONSTRUCTION AND/OR ERECTION SEQUENCES SHALL RECOGNIZE AND CONSIDER THE EFFECTS OF THERMAL MOVEMENTS OF STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PERIOD.

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD.

SHOP DRAWINGS SHALL BE FURNISHED AND REVIEWED BEFORE ANY FABRICATION OR ERECTION IS STARTED. THE CONTRACTOR SHALL REVIEW AND APPROVE SHOP DRAWINGS PRIOR TO SUBMITTAL TO THE ARCHITECT FOR REVIEW. POORLY EXECUTED SHOP DRAWINGS WILL BE REJECTED AND SHALL BE RESUBMITTED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE AND ADEQUATE SHORING FOR ALL PARTS OF THE STRUCTURE DURING CONSTRUCTION.

TEMPORARY PROVISIONS SHALL BE MADE FOR STRUCTURAL STABILITY DURING CONSTRUCTION. THE STRUCTURE SHOWN ON THE DRAWINGS HAS BEEN DESIGNED FOR STABILITY UNDER FINAL CONFIGURATION.

NOTCHING OR CUTTING ANY STRUCTURAL MEMBER IN THE FIELD IS PROHIBITED.

THE CONTRACTOR SHALL VERIFY THE SIZE AND LOCATION OF FOUNDATIONS UNDER MECHANICAL AND ELECTRICAL EQUIPMENT AS REQUIRED. NO CONCRETE PADS SHALL BE LOCATED ON ROOF UNLESS SHOWN ON THE STRUCTURAL DRAWINGS.

BACKFILL SHALL NOT BE PLACED BEHIND RETAINING WALLS UNTIL CONCRETE HAS ATTAINED 100 PERCENT OF DESIGN STRENGTH.

REMOVAL OF FORMS AND SHORING SHALL BE IN ACCORDANCE WITH ACI 347. WHERE CONCRETE MUST SUPPORT SUPERIMPOSED LOADS PRIOR TO ATTAINING THE SPECIFIED DESIGN STRENGTH, RE-SHORE CONCRETE IN ACCORDANCE WITH ACI 347. RESHORING SHALL NOT BE REMOVED SOONER THAN 28 DAYS FROM THE DATE OF POUR OR UNTIL CONCRETE HAS ATTAINED THE SPECIFIED DESIGN STRENGTH.

THE CONTRACTOR SHALL SUBMIT FOR PRIOR APPROVAL THE END OF POUR LOCATIONS FOR CONCRETE GRADE BEAMS, CONCRETE COLUMNS, AND CONCRETE BEAMS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERING TO ALL APPLICABLE STANDARDS SET FORTH BY OSHA, INCLUDING THE FOLLOWING REQUIREMENTS FROM STANDARDS - 29 CFR, SECTION 1926, SUBPART R:

GENERAL STRUCTURAL NOTES

A. THE STEEL ERECTION CONTRACTOR SHALL NOT ERECT STEEL UNLESS THEY HAVE RECEIVED WRITTEN NOTIFICATION FROM THE CONTRACTOR THAT THE CONCRETE IN THE FOOTINGS, PIERS AND WALLS OR THE MORTAR IN THE MASONRY PIERS AND WALLS HAS ATTAINED, ON THE BASIS OF AN APPROPRIATE ASTM STANDARD TEST METHOD OF FIELD-CURED SAMPLES, EITHER 75 PERCENT OF THE INTENDED MINIMUM COMPRESSIVE DESIGN STRENGTH OR SUFFICIENT STRENGTH TO SUPPORT THE LOADS IMPOSED DURING STEEL ERECTION.

PROVIDE STRUCTURAL ENGINEER A COPY OF WRITTEN NOTIFICATION WHEN IT IS PROVIDED TO THE STEEL ERECTOR.

B. ANCHOR RODS (ANCHOR BOLTS) SHALL NOT BE REPAIRED, REPLACED OR FIELD-MODIFIED WITHOUT THE APPROVAL OF THE PROJECT STRUCTURAL ENGINEER OF RECORD.

PRIOR TO ERECTION OF COLUMNS, THE CONTRACTOR SHALL PROVIDE WRITTEN NOTIFICATION TO THE STEEL ERECTOR IF THERE HAS BEEN ANY REPAIR, REPLACEMENT OR MODIFICATION OF THE ANCHOR RODS (ANCHOR BOLTS).

PROVIDE STRUCTURAL ENGINEER A COPY OF WRITTEN NOTIFICATION WHEN IT IS PROVIDED TO THE STEEL ERECTOR.

C. NO MODIFICATION THAT AFFECTS THE STRENGTH OF A STEEL JOIST OR STEEL JOIST GIRDER SHALL BE MADE WITHOUT THE APPROVAL OF THE PROJECT STRUCTURAL ENGINEER OF RECORD.

D. METAL DECKING HOLES AND OPENINGS SHALL NOT BE CUT UNTIL IMMEDIATELY PRIOR TO BEING PERMANENTLY FILLED WITH THE EQUIPMENT OR STRUCTURE OR SHALL BE IMMEDIATELY COVERED.

PROTECTION: PROPER PRECAUTIONS SHALL BE TAKEN AT ALL TIMES TO PROTECT VEHICULAR AND PEDESTRIAN TRAFFIC FROM ANY DAMAGE OR INJURY WHICH MAY BE CAUSED, EITHER DIRECTLY OR INDIRECTLY, BY THE WORK INCLUDED ON THESE DRAWINGS. SUCH PRECAUTIONS SHALL INCLUDE THE ERECTION AND MAINTENANCE OF FENCES, BARRICADES, RAILINGS, GUARDS, SIGNS, COVERINGS, LIGHTS, AND OTHER PRECAUTIONS AS MAY BE REQUIRED. IF AT ANY TIME, IN THE OPINION OF THE OWNER OR THE OWNER'S REPRESENTATIVE, PROPER PRECAUTIONS ARE NOT BEING TAKEN TO SECURE THIS PROTECTION, THE CONTRACTOR SHALL AT NO ADDITIONAL COST TO THE OWNER, INSTALL AND MAINTAIN SUCH ADDITIONAL PROTECTION AS MAY BE DIRECTED BY THE OWNER.

POLLUTION CONTROLS: USE WATER SPRINKLING, TEMPORARY ENCLOSURES, AND OTHER SUITABLE METHODS TO LIMIT DUST AND DIRT RISING AND SCATTERING IN THE AIR TO LOWEST PRACTICAL LEVEL. COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.

TYPICAL DETAIL SHEETS:

THE S-700 SERIES SHEETS IN THESE DRAWINGS CONTAIN TYPICAL STRUCTURAL DETAILS FOR VARIOUS BUILDING MATERIALS. SOME OF THESE DETAILS MAY NOT BE PART OF THIS PROJECT.

THE TYPICAL DETAILS SHALL BE USED WHEN SPECIFIC DETAILS ARE NOT REFERENCED ON THE DRAWINGS. THE APPROPRIATE CONDITIONS FOR USE OF THE TYPICAL DETAILS ARE REFERENCED IN THEIR TITLES.

DRAWINGS:

DO NOT SCALE DRAWINGS.

WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES, AND SPECIFICATIONS, THE MORE STRINGENT REQUIREMENTS SHALL GOVERN. DETAILS ON DRAWINGS TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. DETAILS NOTED "TYPICAL" APPLY TO ALL SIMILAR CONDITIONS. WHERE NO SPECIFIC DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ELSEWHERE ON THE PROJECT.

CAST-IN-PLACE CONCRETE:

ALL CONCRETE SHALL CONFORM TO THE SPECIFICATIONS FOR STRUCTURAL CONCRETE, ACI 301-20.

ALL EXPOSED EDGES OF CONCRETE SHALL HAVE A 3/4" CHAMFER UNLESS NOTED OTHERWISE.

NORMALWEIGHT CONCRETE:

A. F'C = 4500 PSI @ 28 DAYS – ALL CONCRETE EXPOSED TO FREEZE/THAW CYCLES AND OCCASIONAL MOISTURE, INCLUDING CONCRETE FLAT WORK, EXPOSED BUILDING STEM WALLS, SITE WALLS, ETC:.. EXTERIOR CONCRETE SHALL MEET EXPOSURE CATEGORY AND CLASS F1 ACCORDING TO ACI 318 TABLE 19.3.1.1.
B. F'C = 3000 PSI @ 28 DAYS - ALL INTERIOR CONCRETE (I.E. FOOTINGS, PEDESTALS, TIE BEAMS, GRADE BEAMS, INTERIOR RETAINING WALLS, ETC.).
C. F'C = 4000 PSI @ 28 DAYS – ALL SLABS ON GRADE TO RECEIVE POLISHED CONCRETE FINISH.

CONCRETE MIX DESIGNS (INCLUDING AIR CONTENT, WATER TO CEMENT RATIOS, AND OTHER CRITERIA) SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN ACI 318 TABLE 19.3.2.1, BASED ON THE EXPOSURE CATEGORIES AND CLASSES DEFINED IN ACI 318 TABLE 19.3.1.1. USE AIR ENTRAINING ADMIXTURE IN ALL EXTERIOR CONCRETE. AIR CONTENT IN FIRE RATED SLABS SHALL ALSO COMPLY WITH THE REQUIREMENTS IN THE SPECIFIED UL LISTING.

COLD WEATHER CONCRETING: PROTECT CONCRETE WORK FROM PHYSICAL DAMAGE OR REDUCED STRENGTH CAUSED BY FROST, FREEZING OR LOW TEMPERATURES. COMPLY WITH ACI 306.1.

HOT WEATHER CONCRETING: WHEN HOT WEATHER CONDITIONS EXIST THAT WOULD IMPAIR THE QUALITY AND STRENGTH OF THE CONCRETE, REDUCE DELIVERY TIME OF READY-MIX CONCRETE, LOWER THE TEMPERATURE OF MATERIALS, OR ADD RETARDER TO ENSURE THAT THE CONCRETE IS PLASTIC. RE-TEMPERING WITH WATER IS NOT ALLOWED. COMPLY WITH ACI 305R.

SLAB CURING: ALL INTERIOR CONCRETE SLABS, EXCEPT EXPOSED INTEGRALLY COLORED SLABS, ARE TO BE CURED WITH A MOISTURE RETAINING COVER FOR THE FIRST 7 DAYS (MINIMUM) AFTER PLACEMENT.

SAW-CUT CONTROL JOINTS IN SLABS-ON-GRADE SHALL NOT CUT THE SLAB REINFORCING.

THE CONTRACTOR IS ALLOWED TO CAST FOUNDATIONS AGAINST EXCAVATED SOIL SURFACES, PROVIDED THE FOLLOWING IS ADHERED TO:

A. THE SIDE SLOPES OF THE EXCAVATION SHALL BE ABLE TO MAINTAIN VERTICAL SLOPE WITHOUT SOIL SLOUGHAGE.
B. THE BOTTOM WIDTH OF THE EXCAVATION SHALL BE ONE INCH WIDER MINIMUM ON EACH SIDE THAN THE SPECIFIED FOOTING WIDTH.
C. THE SIDE WALLS OF THE EXCAVATION SHALL BE BATTERED A MINIMUM OF ONE INCH HORIZONTAL TO TWELVE INCHES VERTICAL.
D. IF SANDY OR LOOSE MATERIALS ARE ENCOUNTERED, THE FOOTING MUST BE FORMED.
E. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ANY SOIL SLOUGHAGE FROM THE WET CONCRETE DURING THE CASTING OPERATION.
F. THE CONTRACTOR AGREES TO REMOVE AND RECAST ANY FOOTING WHERE THE ABOVE CONDITIONS ARE NOT MET.

EXPOSED SITE WALLS, RETAINING WALLS, AND STEM WALLS GREATER THAN 30 FEET IN LENGTH SHALL HAVE CONTROL JOINTS INSTALLED AT THE FOLLOWING MAXIMUM SPACING:

12'-0" ON CENTER FOR WALLS 6'-0" MAXIMUM HEIGHT
18'-0" ON CENTER FOR WALLS 10'-0" MAXIMUM HEIGHT
20'-0" ON CENTER FOR WALLS GREATER THAN 10'-0" IN HEIGHT

ALL CONCRETE EXPOSED TO GROUND SHALL BE MANUFACTURED WITH PORTLAND CEMENT TYPE II OR TYPE V.

COLUMN BASEPLATE GROUTING SHALL BE PERFORMED IN ACCORDANCE WITH THE "STRUCTURAL AND MISCELLANEOUS STEEL" SECTION OF THE GENERAL STRUCTURAL NOTES.

SEE SHEET S-711 FOR TYPICAL CONCRETE DETAILS.

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SANDOVAL COUNTY · STATE OF NEW MEXICO

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA RD
BERNALILLO, NM

PROJECT NO.:	R314624.52
DRAWN BY:	TH
REVIEWED BY:	GB
APPROVED BY:	GB

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
3	09/23/2025	100% CDs
2	07/25/2025	95% CDs
1	05/16/2025	70% CDs

GENERAL STRUCTURAL NOTES

S-002

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GENERAL STRUCTURAL NOTES

POLISHED CONCRETE FLOORS:

PRIOR TO PLACEMENT OF THE CONCRETE SLABS TO RECEIVE A POLISHED FINISH, THE CONTRACTOR, ARCHITECT, AND ENGINEER SHALL MEET TO DISCUSS THE PROCESS AND CLARIFY THE EXPECTATIONS FOR THE POLISHED CONCRETE FLOORS. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING THIS MEETING.

EACH CONCRETE MIX INGREDIENT OF THE POLISHED FLOORS SHALL BE FROM THE SAME SOURCE, FROM THE SAME RESPECTIVE BATCH, AND EACH DELIVERED TO THE CONCRETE PRODUCER IN ONE DELIVERY.

AGGREGATE IN POLISHED CONCRETE SLABS SHALL BE NON-POROUS.

INCLUSION OF ADMIXTURES, PLASTICIZERS, SLAG, FLY ASH, OR OTHER PRODUCTS REPLACING PORTIONS OF THE PORTLAND CEMENT IN THE CONCRETE MIX SHALL NOT BE USED UNLESS APPROVED BY THE ENGINEER OF RECORD. ANY APPROVED ADMIXTURES SHALL NOT BE CALCIUM CHLORIDE BASED, AND THEIR VOLUME SHALL NOT EXCEED 20% OF THE PORTLAND CEMENT VOLUME.

POLISHED CONCRETE FLOORS SHALL BE CURED WITH A MOISTURE RETAINING COVER IN ACCORDANCE WITH ACI308R-01. THE SLAB SHALL REMAIN CONTINUOUSLY COVERED DURING THIS TIME TO MAINTAIN THE MOISTURE IN THE SLAB. CURING COMPOUNDS ARE NOT ALLOWED IN POLISHED CONCRETE FLOORS.

SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR THE FLOOR SHINE AND AGGREGATE EXPOSURE REQUIREMENTS.

FLOOR FLATNESS (FF NUMBER) OF POLISHED CONCRETE FLOORS SHALL HAVE A MINIMUM OVERALL VALUE OF 50, AND A MINIMUM LOCAL VALUE OF 35 WHEN TESTED IN ACCORDANCE WITH ASTM E1155.

FLOOR LEVELNESS (FL NUMBER) OF POLISHED CONCRETE FLOORS SHALL HAVE A MINIMUM OVERALL VALUE OF 30, AND A MINIMUM LOCAL VALUE OF 20 WHEN TESTED IN ACCORDANCE WITH ASTM E1155.

CONTRACTOR SHALL CREATE A MOCKUP OF THE POLISHED FLOOR PRIOR TO POLISHING THE BUILDING SLAB. THE MOCKUP SHALL BE AT LEAST 4 FEET SQUARE.

REINFORCING STEEL:

ALL REINFORCING STEEL SHALL BE FABRICATED AND PLACED IN ACCORDANCE WITH THE BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318), AND DETAILS AND DETAILING OF CONCRETE REINFORCEMENT (ACI 315).

ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60; EXCEPT STIRRUPS, TIES AND INDICATED FIELD-BENT BARS, WHICH SHALL CONFORM TO ASTM A615 GRADE 40.

ALL WELDED WIRE FABRIC SHALL BE DEFORMED AND SHALL CONFORM TO ASTM A479. PROVIDE IN FLAT SHEETS ONLY.

TENSION AND COMPRESSION LAPS IN REINFORCING SHALL CONFORM TO THE LAP SPLICE SCHEDULE ON SHEET S-601 AND BE IN ACCORDANCE WITH ACI 318, CHAPTER 12, UNLESS NOTED OTHERWISE.

ALL HORIZONTAL REINFORCING IN FOOTINGS, WALLS AND BEAMS SHALL BE CONTINUOUS AROUND CORNERS OR HAVE BENT (CORNER) BARS OF THE SAME SIZE AND SPACING AS THE HORIZONTAL BARS AND LAP 30 BAR DIAMETERS (18" MINIMUM).

CONCRETE COVER FOR REINFORCING SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:

A. CONCRETE FOR FOUNDATIONS CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"
B. CONCRETE CAST AGAINST FORMS BUT EXPOSED TO EARTH OR WEATHER:
   1. BARS LARGER THAN NO. 5: 2"
   2. BARS NO. 5 OR SMALLER: 1 1/2"
C. CONCRETE NOT EXPOSED TO WEATHER OR NOT IN CONTACT WITH GROUND:
   1. COLUMNS, GIRDERS AND BEAMS: 1 1/2"
   2. STRUCTURAL SLABS, WALLS AND JOISTS (NO. 11 AND SMALLER): 3/4"
D. 5" CONCRETE SLAB-ON-GRADE: 1 1/2" FROM TOP OF SLAB

FORM TIES SHALL BE EITHER OF THE THREADED OR SNAP-OFF TYPE SO THAT NO METAL WILL BE LEFT WITHIN 1 INCH OF THE SURFACE OF THE WALL. FOLLOWING REMOVAL OF FORM TIES, RECESSES ARE TO BE CAREFULLY FILLED AND POINTED WITH MORTAR.

REINFORCING SHALL NOT BE TACK WELDED OR WELDED IN ANY MANNER UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL PLANS.

BAR SUPPORTS AND SPACERS FOR REINFORCING SHALL BE PROVIDED IN ACCORDANCE WITH ACI 315-99. REINFORCING SHALL BE SECURELY TIED TO SUPPORTS.

CHAIRS WITH 22 GAGE SAND PLATES OR PRECAST BLOCKS SHALL BE PROVIDED FOR ALL REINFORCING OF CONCRETE IN CONTACT WITH GRADE.

POST INSTALLED ANCHORS:

THE STRUCTURAL DESIGN IS BASED ON THE POST INSTALLED ANCHORING SYSTEMS NOTED BELOW. SINCE ANCHOR CAPACITIES VARY BY MANUFACTURER, THE CONTRACTOR SHALL USE ONLY THE SYSTEMS NOTED BELOW UNLESS AN ALTERNATE IS APPROVED BY THE ENGINEER OF RECORD. ALTERNATE ANCHORING SYSTEMS MAY REQUIRE RE-DESIGN TO VERIFY ANCHOR QUANTITIES, SPACING, AND EMBED DEPTHS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL CONSTRUCTION AND RE-DESIGN COSTS ASSOCIATED WITH THE ALTERNATE ANCHORING SYSTEM.

INSTALLATION OF ALL POST-INSTALLED ANCHORS SHALL BE PER THE MANUFACTURER'S PRINTED INSTRUCTIONS.

ALL ADHESIVE (EPOXY OR ACRYLIC) FOR POST INSTALLED ANCHORS AND/OR REBAR INTO CONCRETE SHALL BE HILTI HIT-RE 500 V3 OR HIT-HY 200 EPOXY ADHESIVE ANCHORING SYSTEM OR EQUAL.

ALL ADHESIVE (EPOXY OR ACRYLIC) FOR POST INSTALLED ANCHORS AND/OR REBAR INTO GROUT FILLED MASONRY SHALL BE HILTI HIT HY 270 ADHESIVE ANCHORING SYSTEM OR EQUAL.

ALL POST INSTALLED MECHANICAL ANCHORS INTO CONCRETE SHALL BE HILTI KWIK BOLT TZ EXPANSION ANCHOR OR EQUAL.

ALL POST INSTALLED MECHANICAL ANCHORS INTO GROUT FILLED MASONRY SHALL BE HILTI KWIK BOLT 3 EXPANSION ANCHOR OR EQUAL.

ANCHOR LENGTHS SHOWN FOR ATTACHMENT TO CONCRETE AND/OR MASONRY ARE REQUIRED EMBEDMENT LENGTHS. THE CONTRACTOR SHALL PROVIDE ANCHORS WITH ADDITIONAL LENGTH TO FACILITATE THE REQUIRED CONNECTION.

SUBMIT ALL PROPOSED ANCHORING SYSTEMS INCLUDING ICC-ES REPORTS TO STRUCTURAL ENGINEER FOR REVIEW PRIOR TO INSTALLATION. THE ICC--ES FORMS SHALL MEET THE REQUIREMENTS OF THE IBC EDITION REFERENCED IN THESE NOTES.

ALL POST-INSTALLED ANCHORS SHALL BE INSTALLED WITH SPECIAL INSPECTION AS DICTATED BY THE RESPECTIVE PRODUCT'S ICC-ES EVALUATION SERVICE REPORT

THE CONTRACTOR SHALL ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING, UNLESS ALL PERSONNEL INSTALLING ANCHORS ARE CERTIFIED IN ACCORDANCE WITH ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM, OR EQUIVALENT APPROVED BY THE ENGINEER OF RECORD.

INSTALLATION OF ADHESIVE ANCHORS IN HORIZONTAL TO VERTICALLY OVERHEAD ORIENTATION SHALL BE CONTINUOUSLY INSPECTED DURING INSTALLATION BY AN INSPECTOR SPECIALLY APPROVED FOR THAT PURPOSE BY THE BUILDING OFFICIAL. INSTALLATION SHALL BE DONE BY A CERTIFIED ADHESIVE ANCHOR INSTALLER (AAI) AS CERTIFIED THROUGH ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM, OR EQUIVALENT. PROOF OF CURRENT CERTIFICATION SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO COMMENCEMENT OF INSTALLATION, AND INSPECTION REPORTS SHALL BE PROVIDED TO THE ENGINEER OF RECORD AND THE BUILDING OFFICIAL.

GENERAL STRUCTURAL NOTES

STRUCTURAL AND MISCELLANEOUS STEEL:

ALL STRUCTURAL STEEL SHALL BE DETAILED AND FABRICATED IN ACCORDANCE WITH THE AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS".

ALL WIDE FLANGE SHAPES SHALL CONFORM TO ASTM A992, GRADE 50, UNLESS NOTED OTHERWISE.

ALL MISCELLANEOUS STEEL MEMBERS, SUCH AS CHANNELS, ANGLES, FLAT BARS, AND PLATES SHALL CONFORM TO ASTM A36 UNLESS NOTED OTHERWISE.

ALL RECTANGULAR AND SQUARE STRUCTURAL TUBING SHALL CONFORM TO ASTM A500, GRADE C, FY = 50 KSI OR ASTM 1085, GRADE A, FY = 50 KSI.

ALL ROUND STRUCTURAL TUBING SHALL CONFORM TO ASTM A500, GRADE B, FY = 46 KSI OR ASTM 1085, GRADE A, FY = 50 KSI.

ALL STRUCTURAL PIPE SHALL CONFORM TO ASTM A53, TYPE E OR S, GRADE B, FY = 35 KSI.

BOLTS SHALL CONFORM TO ASTM A325N TENSION CONTROL BOLTS UNLESS NOTED OTHERWISE, WITH SIZES AS SHOWN ON THE DRAWINGS. WHERE CLEARANCE WITHIN A CONNECTION DOES NOT PERMIT THE USE OF TENSION CONTROL BOLTS, STANDARD A325N BOLTS SHALL BE USED AND INSPECTED IN ACCORDANCE WITH THE AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS".

ANCHOR BOLTS EMBEDDED IN CONCRETE SHALL BE ASTM F1554 GRADE 36 THREADED RODS WITH DOUBLE NUTS. PROVIDE FLAT WASHERS BETWEEN NUTS AND BASEPLATE SURFACES. ANCHOR BOLT LENGTHS SHOWN FOR ATTACHMENT TO CONCRETE AND/OR MASONRY ARE REQUIRED EMBEDMENT LENGTHS. THE CONTRACTOR SHALL PROVIDE ANCHOR BOLTS WITH ADDITIONAL BOLT LENGTH TO FACILITATE THE REQUIRED CONNECTION.

ANCHOR BOLT FLAT WASHERS SHALL BE PROVIDED IN ACCORDANCE WITH TABLE 14-2 OF AISC 360, AISC MANUAL OF STEEL CONSTRUCTION.

NON-SHRINK GROUT BELOW BASEPLATES SHALL BE PROMPTLY PLACED AFTER THE STRUCTURAL STEEL FRAME, OR PORTION THEREOF, HAS BEEN LEVELED AND PLUMBED. THE STEEL ERECTOR SHALL NOTIFY THE GENERAL CONTRACTOR AND GROUT SUBCONTRACTOR WHEN BASEPLATES ARE READY TO BE GROUTED. THE CONTRACTOR SHALL NOT PLACE ELEVATED CONCRETE SLABS OR OTHER EXCESSIVE LOADS ON THE STEEL FRAMING AND COLUMNS UNTIL GROUT HAS BEEN INSTALLED, INSPECTED, AND HAS REACHED ITS SPECIFIED DESIGN STRENGTH.

ALL WELDING SHALL BE DONE IN ACCORDANCE WITH THE AWS STRUCTURAL WELDING CODE.

ALL BOLT HOLES THAT ARE REQUIRED TO BE FIELD DRILLED SHALL BE DRILLED WITH A MAG DRILL. FLAME CUTTING OF HOLES OR ENLARGING OF MISALIGNED HOLES WILL NOT BE ALLOWED.

HEADED CONCRETE ANCHORS AND SHEAR CONNECTORS SHALL BE MADE FROM STEEL CONFORMING TO ASTM A108 AND MEET THE MECHANICAL PROPERTIES OF TYPE B, AS REQUIRED BY CHAPTER 7 OF AWS D1.1 "STRUCTURAL WELDING CODE-STEEL". STRUCTURAL STEEL TO RECEIVE SHEAR CONNECTORS SHALL BE FREE OF PAINT. WELDING PREQUALIFICATION REQUIRED.

STEEL JOISTS:

STEEL JOISTS SHALL BE MANUFACTURED BY A MEMBER OF SJI.

STEEL JOISTS SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE STEEL JOIST INSTITUTE STANDARD SPECIFICATIONS.

NO CONSTRUCTION LOADS OF ANY KIND SHALL BE PLACED ON UNBRIDGED JOISTS.

WHERE COLUMNS ARE NOT FRAMED IN AT LEAST TWO DIRECTIONS WITH STRUCTURAL STEEL MEMBERS, JOISTS AT OR CLOSEST TO COLUMN LINES SHALL BE FIELD BOLTED TO ADD LATERAL STABILITY DURING CONSTRUCTION.

PROVIDE BRIDGING IN ACCORDANCE WITH THE SJI STANDARD SPECIFICATIONS AND OSHA REQUIREMENTS.

THE STRUCTURAL DRAWINGS ARE NOT STAND-ALONE DOCUMENTS. THE CONTRACTOR SHALL COORDINATE THE LOCATIONS AND WEIGHTS OF ALL MECHANICAL, PLUMBING, ELECTRICAL AND OTHER EQUIPMENT WITH THE APPLICABLE DRAWINGS. THE JOIST SUPPLIER SHALL ACCOUNT FOR THE LOADS IN THEIR DESIGN.

THE STEEL JOIST MANUFACTURER SHALL DESIGN ROOF JOISTS SUPPORTING MECHANICAL UNITS, INDICATED AS SP JOISTS ON THE DRAWINGS, FOR 1.2x MECHANICAL UNIT WEIGHTS SHOWN. USE 20 PSF DEAD LOAD AND 20 PSF LIVE LOAD (NON-REDUCIBLE) UNLESS NOTED OTHERWISE. CONTRACTOR SHALL VERIFY ACTUAL MECHANICAL LOADS. NOTIFY STEEL JOIST MANUFACTURER OF ANY DISCREPANCIES.

JOIST DEFLECTIONS SHALL BE LIMITED PER SJI REQUIREMENTS AND SHALL NOT BE LESS THAN THE FOLLOWING:
L/360 FOR ROOF LIVE LOAD WITH STANDARD SJI CAMBER WHERE PLASTER OR STUCCO CEILINGS ARE SUPPORTED.
L/240 FOR ROOF LIVE LOAD WITH STANDARD SJI CAMBER WHERE NON-PLASTER CEILINGS ARE SUPPORTED.
L/180 FOR ROOF LIVE LOAD WITH STANDARD SJI CAMBER WHERE NO CEILINGS ARE SUPPORTED AND PROVISIONS FOR FUTURE CEILINGS ARE NOT REQUIRED.

STEEL ROOF JOISTS SHALL BE DESIGNED FOR A NET WIND UPLIFT LOAD OF 15 PSF UNLESS NOTED OTHERWISE.

THE DEAD LOAD OF MISCELLANEOUS ROOFTOP ITEMS, INCLUDING SCREEN WALLS, SKYLIGHTS, FIRE SUPPRESSION SYSTEM, SOLAR PHOTOVOLTAIC SYSTEM, ETC. SHALL BE ACCOUNTED FOR IN THE DESIGN OF THE STEEL ROOF JOISTS. THE CONTRACTOR SHALL COORDINATE THE MISCELLANEOUS LOADS WITH THE STEEL JOIST MANUFACTURER.

JOIST BEARING SEATS SHALL BEAR ON STEEL SUPPORTS AND SHALL BE CONNECTED AS FOLLOWS UNLESS NOTED OTHERWISE:
K/KCS/E: TWO 1/8" x 2 1/2" LONG FILLET WELDS
LH02-06 (OR 2 1/2" AND SMALLER TOP CHORD ANGLE LEG): TWO 3/16" x 2 1/2" LONG FILLET WELDS
LH/DLH07-17 (OR 3 1/2" AND SMALLER TOP CHORD ANGLE LEG): TWO 1/4" x 2 1/2" LONG FILLET WELDS
LH/DLH 18-25 (OR 4" AND LARGER TOP CHORD ANGLE LEG): TWO 1/4" x 4" LONG FILLET WELDS
ALL WELDS AND JOIST BEARING LENGTHS SHALL MEET CURRENT MINIMUM SJI REQUIREMENTS.

THE STEEL FABRICATOR SHALL COORDINATE THE WIDTHS OF THE JOIST BEARING SEAT SUPPORT STEEL WITH THE JOIST MANUFACTURER PRIOR TO FABRICATION. JOIST SEAT WIDTHS MAY VARY BASED ON THE JOIST DESIGN. JOIST BEARING SEATS SHALL COMPLY WITH THE SJI CODE OF STANDARD PRACTICE.

THE STEEL FABRICATOR SHALL COORDINATE JOIST SEAT DEPTHS WITH THE JOIST MANUFACTURER.

STEEL DECK:

ALL STEEL DECK SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE STEEL DECK INSTITUTE SPECIFICATIONS.

SEE PLANS FOR STEEL DECK TYPE, GAGE, FINISH AND CONNECTIONS.

PROVIDE A MINIMUM OF 1 1/2" BEARING FOR ALL STEEL DECK.

ALL SPLICES AND LAPS SHALL BE A MINIMUM OF 2" IN LENGTH AND SHALL BE LOCATED DIRECTLY ABOVE SUPPORTS.

ALL DECKING SHALL BE CONTINUOUS OVER TWO OR MORE SPANS.

COLD-FORMED METAL FRAMING (43 MILS OR HEAVIER):

ALL COLD-FORMED METAL FRAMING SHALL CONFORM TO THE AISI STANDARD S100 "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".

WALLS SHALL BE PROVIDED WITH MANUFACTURER'S STANDARD BRIDGING: (EITHER WELDED 2 1/2" x 43 MILS STUD OR CLIPPED COLD-ROLLED CHANNEL 1 1/2" x 54 MILS). PROVIDE BRIDGING AT 4'-0" ON CENTER MAXIMUM FOR LOAD BEARING WALLS AND EXTERIOR WALLS.

PROVIDE ALL MISCELLANEOUS ACCESSORIES AND FOLLOW ERECTION PROCEDURES AS PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS UNLESS NOTED OTHERWISE.

GENERAL STRUCTURAL NOTES

COLD-FORMED METAL FRAMING SHALL MEET THE MINIMUM PROPERTIES AS SHOWN IN THE STEEL STUD MANUFACTURERS ASSOCIATION (SSMA) SPECIFICATIONS.

ALL TRACK SHALL BE ANCHORED TO CONCRETE WITH 1/2" DIAMETER x 3 1/2" EMBED EXPANSION ANCHORS SPACED AT 4'-0" ON CENTER UNLESS SHOWN OTHERWISE ON PLANS.

SECURE STUDS TO TOP AND BOTTOM TRACKS BY WELDING AT BOTH INSIDE AND OUTSIDE FLANGES OR WITH A MINIMUM OF 1-#10 SELF-DRILLING SCREW PER LOCATION UNLESS NOTED OTHERWISE.

ALL COMPONENTS OF BUILT-UP STUD SECTIONS, INCLUDING COLUMNS, JAMBS, HEADERS, ETC. SHALL BE WELDED TOGETHER UTILIZING 1/8" FILLET WELDS, 1" LONG AT 12" OC OR MECHANICALLY FASTENED WITH #10 SELF-DRILLING SCREWS AT 12" OC ALONG THE FULL LENGTH OF EACH FLANGE TO FLANGE CONNECTION.

FASTEN WELD CLIPS TO STUDS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND LOAD DATA TO PROVIDE AN ALLOWABLE LOAD OF 700# MINIMUM IN THE HORIZONTAL DIRECTION AND 700# MINIMUM IN THE VERTICAL DIRECTION. SEE SHEET S-731 FOR TYPICAL WELD CLIP DETAIL.

FASTEN SLIDE CLIPS TO STUDS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND LOAD DATA TO PROVIDE AN ALLOWABLE LOAD OF 700# MINIMUM IN THE HORIZONTAL DIRECTION. SEE SHEET S-731 FOR TYPICAL SLIDE CLIP DETAIL.

SEE SHEET S-731 FOR TYPICAL COLD-FORMED DETAILS.

MASONRY:

ALL MASONRY UNITS SHALL COMPLY WITH ASTM C 90 WITH A COMPRESSIVE STRENGTH OF 2000 PSI (NET AREA).

F'M = 1900 PSI

MORTAR SHALL BE TYPE S.

GROUT - F'C = 2000 PSI, MINIMUM.

CELLS CONTAINING REBAR SHALL BE GROUTED SOLID FROM THE BOTTOM TO THE TOP OF THE WALL IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE.

ALL CELLS BELOW GRADE SHALL BE GROUTED SOLID UP TO GRADE.

CELLS CONTAINING EXPANSION ANCHORS SHALL BE GROUTED SOLID.

ALL VERTICAL REBAR SHALL BE IN PLACE AND SECURED WITH REBAR POSITIONERS PRIOR TO GROUTING.

COVER FOR REINFORCING SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:

A. MASONRY FACE NOT EXPOSED TO EARTH OR WEATHER: 1 1/2"
B. MASONRY FACE EXPOSED TO EARTH OR WEATHER:
   1. BARS LARGER THAN NO. 5: 2"
   2. BARS NO. 5 OR SMALLER: 1 1/2"

MASONRY CELLS SHALL BE GROUTED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE (MAXIMUM 5 FOOT GROUT LIFTS).

LAP REBAR PER THE LAP SPLICE SCHEDULE ON SHEET S601 UNLESS NOTED OTHERWISE.

ALL HORIZONTAL REINFORCING IN BOND BEAMS SHALL BE CONTINUOUS AROUND CORNERS OR HAVE BENT (CORNER) BARS OF THE SAME SIZE AND A LAP AS NOTED ABOVE. VERTICAL STEEL SHALL CONTINUE THROUGH BOND BEAMS.

PROVIDE STANDARD LADDER TYPE JOINT REINFORCING AT 16" ON CENTER (ALTERNATE COURSES) UNLESS NOTED OTHERWISE IN THE PROJECT DOCUMENTS. USE PREFABRICATED CORNERS AND TEES AT ALL WALL CORNERS AND INTERSECTIONS RESPECTIVELY.

SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR INFORMATION REGARDING MASONRY COLORS, FINISHES, BOND, COURSING, ETC. AT ALL EXPOSED MASONRY WALLS.

ALL MASONRY WALL CONFIGURATIONS INCLUDING WALL OPENINGS SHALL BE COORDINATED WITH CIVIL, MECHANICAL, PLUMBING, ELECTRICAL AND DRAWINGS FROM ALL OTHER DISCIPLINES.

EXPOSED MASONRY SITE WALLS AND RETAINING WALLS GREATER THAN 16 FEET IN LENGTH SHALL HAVE MASONRY CONTROL JOINTS INSTALLED AT THE FOLLOWING MINIMUM SPACING:

12'-0" ON CENTER FOR WALLS 6'-0" MAXIMUM HEIGHT
18'-0" ON CENTER FOR WALLS 10'-0" MAXIMUM HEIGHT
20'-0" ON CENTER FOR WALLS GREATER THAN 10'-0" IN HEIGHT

SEE SHEET S-721 FOR TYPICAL MASONRY DETAILS.

APA SPAN RATED SHEATHING:

SEE PLANS FOR GRADE, THICKNESS, AND LOCATIONS OF SHEATHING.

WALL SHEATHING SHALL BE CONTINUOUS OVER 2 SPANS MINIMUM. ENDS OF PANELS SHALL OCCUR DIRECTLY OVER SUPPORTS.

SEISMIC BRACING OF NON-STRUCTURAL COMPONENTS:

SEISMIC BRACING AND RESTRAINTS FOR MECHANICAL/ELECTRICAL EQUIPMENT AND SYSTEMS SHALL BE PROVIDED BY THE CONTRACTOR PER THE INTERNATIONAL BUILDING CODE (IBC) AND THE ASCE 7 STANDARD.

SEE THESE GENERAL STRUCTURAL NOTES FOR THE SITE-SPECIFIC SEISMIC DESIGN CRITERIA.

THE CONTRACTOR IS RESPONSIBLE FOR DESIGNING AND INSTALLING THE SEISMIC BRACING AND RESTRAINTS. STAMPED SHOP DRAWINGS, INCLUDING CALCULATIONS, SHALL BE SUBMITTED FOR APPROVAL PRIOR TO ANY BRACING INSTALLATION.

THE ENGINEER STAMPING THE SHOP DRAWINGS SHALL BE REGISTERED IN THE STATE THAT THE PROJECT IS LOCATED.

MEP SYSTEMS:

MEP UNITS GREATER THAN 200 POUNDS ARE INDICATED ON THE STRUCTURAL PLANS WITH THE TOTAL STRUCTURAL DESIGN LOAD. TOTAL OPERATING WEIGHTS SHALL BE VERIFIED BY THE CONTRACTOR. THE TOTAL OPERATING WEIGHT INCLUDES CURBS, ATTENUATORS, ACCESSORIES, WATER, ETC. IF THE TOTAL OPERATING WEIGHT EXCEEDS THE VALUE SHOWN ON THE STRUCTURAL DRAWINGS, NOTIFY THE STRUCTURAL EOR PRIOR TO SETTING THE UNITS. ADDITIONAL SUPPORT MAY BE REQUIRED.

INDIVIDUAL HANGER LOADS EXCEEDING 200 POUNDS ARE NOT PERMITTED TO ATTACH TO ROOF DECK AND SHALL BE SUSPENDED FROM THE ROOF FRAMING MEMBERS. HANGERS ATTACHING TO ROOF DECK SHALL BE SPACED A MINIMUM OF 4'-0" ON CENTER MEASURED PERPENDICULAR TO THE FLUTES. MEASURED PARALLEL TO THE FLUTES, NO MORE THAN 1 HANGER BETWEEN ADJACENT BEAMS IS PERMITTED UNLESS THE COMBINED HANGER LOAD IS WITHIN THE WEIGHT LIMIT GIVEN ABOVE.

FIRE SUPPRESSION LINES ARE A DESIGN-BUILD ITEM, AND ANY INFORMATION SHOWN IS SUBJECT TO CHANGE. FIRE SUPPRESSION LINES, INCLUDING HANG POINT LOCATIONS, SHALL BE SUBMITTED TO THE STRUCTURAL EOR FOR REVIEW AND APPROVAL. WHERE SUPPORTED BY JOISTS, CONTRACTOR SHALL PROVIDE HANG POINT LOCATIONS AND LOADS TO JOIST MANUFACTURER FOR ANY POINT LOADS EXCEEDING 150 LBS.

THE DESIGN OF MEP SYSTEM HANGERS AND ATTACHMENTS IS NOT PART OF THE STRUCTURAL SCOPE. SEE MEP DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

GENERAL STRUCTURAL NOTES

SPECIAL INSPECTION:

THE OWNER SHALL PROVIDE FOR SERVICES OF A CERTIFIED INSPECTOR (APPROVED BY THE BUILDING OFFICIAL OR THE ENGINEER OF RECORD) IN ACCORDANCE WITH CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE FOR THE SPECIAL INSPECTION ITEMS NOTED ON SHEET S-003.

DEFERRED SUBMITTALS:

THE DEFERRED SUBMITTALS LISTED BELOW ARE THOSE PORTIONS OF THE DESIGN THAT ARE NOT COMPLETED AT THE TIME OF APPLICATION FOR PERMIT AND ARE TO BE SUBMITTED TO THE BUILDING OFFICIAL AND APPROVED PRIOR TO THE INSTALLATION OF THOSE ITEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE FOLLOWING ITEMS:

SEISMIC BRACING OF NON-STRUCTURAL COMPONENTS

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SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

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GENERAL STRUCTURAL NOTES

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SCHEDULE OF STRUCTURAL SPECIAL INSPECTIONS

1. SPECIAL INSPECTIONS / TESTING - "SPECIAL STRUCTURAL INSPECTION" SHALL NOT RELIEVE THE OWNER OR THEIR AGENT FROM HAVING THE INSPECTIONS OF THE JURISDICTION BUILDING DEPARTMENT PER SECTION 109 OF THE IBC PERFORMED. BOTH THE JURISDICTION BUILDING DEPARTMENT INSPECTIONS AND "SPECIAL STRUCTURAL INSPECTION" SHALL BE PERFORMED.

2. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE JURISDICTION BUILDING OFFICIAL AND SPECIAL INSPECTOR WHEN WORK IS READY FOR INSPECTION.

3. REPORTING FOR SPECIAL INSPECTION - SPECIAL INSPECTION AND TESTING REPORTS SHALL BE COMPLETED AND DISTRIBUTED AT THE COMPLETION OF EACH TASK. IF A TASK IS TO TAKE LONGER THAN THREE (3) DAYS, PROVIDE REPORTS FOR EACH DAY. PROVIDE COPIES OF REPORTS TO CONTRACTOR, OWNER, ARCHITECT AND STRUCTURAL ENGINEER OF RECORD. SPECIAL INSPECTOR TO KEEP A NON-COMPLIANCE LIST DOCUMENTING ITEMS INSPECTED NOT MEETING APPROVED CONSTRUCTION DOCUMENTS AND WHEN / HOW RESOLVED.

4. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING CONSTRUCTION DOCUMENTS FOR ADDITIONAL NON-STRUCTURAL SPECIAL INSPECTION ITEMS.

5. SPECIAL INSPECTION OF SHOP FABRICATED MEMBERS AND ASSEMBLIES SHALL BE IN ACCORDANCE WITH SECTION 1704.2, UNLESS FABRICATOR IS APPROVED TO PERFORM WORK WITHOUT SPECIAL INSPECTION.

6. IN ACCORDANCE WITH IBC CHAPTER 17, THE OWNER OR THE OWNER'S AGENT, OTHER THAN THE CONTRACTOR, SHALL EMPLOY ONE OR MORE APPROVED AGENCIES TO PROVIDE SPECIAL INSPECTIONS AND TESTS, DURING CONSTRUCTION FOR THE TYPES OF WORK LISTED BELOW THESE SPECIAL INSPECTIONS AND TESTS ARE IN ADDITION TO THE INSPECTIONS BY THE BUILDING OFFICIAL IDENTIFIED IN IBC SECTION 110

7. DEFINITIONS:
   * **SPECIAL INSPECTION:** INSPECTION AS HEREIN REQUIRED BY A QUALIFIED SPECIAL INSPECTOR COMPETENT WITH THE MATERIALS, INSTALLATION, FABRICATION, ERECTION OR PLACEMENT OF COMPONENTS AND CONNECTIONS REQUIRING SPECIAL EXPERTISE TO ENSURE COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS (SEE SECTION 1704).
   * **CONTINUOUS SPECIAL INSPECTION:** FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED.
   * **PERIODIC SPECIAL INSPECTION:** THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK.

ITEM	DESCRIPTION OF REQUIREMENTS	REQUIRED (YES/NO)
SPECIAL INSPECTION OF STRUCTURAL STEEL	TO BE PERFORMED IN ACCORDANCE WITH CHAPTER N OF AISC 360	YES
SPECIAL INSPECTION AND VERIFICATION OF STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.2	YES
SPECIAL INSPECTIONS AND VERIFICATIONS FOR CONCRETE CONSTRUCTION	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.3	YES
SPECIAL INSPECTIONS AND VERIFICATIONS FOR MASONRY CONSTRUCTION	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.4 AND REFERENCED STANDARDS	YES
SPECIAL INSPECTIONS AND VERIFICATIONS FOR WOOD CONSTRUCTION	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.5	NO
SPECIAL INSPECTIONS AND VERIFICATIONS OF SOILS	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.6, THE GEOTECHNICAL REPORT LISTED IN THE GENERAL FOUNDATION NOTES, AND ANY OTHER REQUIREMENTS LISTED IN THE GENERAL FOUNDATION NOTES	YES
SPECIAL INSPECTIONS AND VERIFICATIONS FOR DEEP FOUNDATIONS (DRIVEN PILES, CAST-IN-PLACE, OR HELICAL PILES AS APPLICABLE)	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTIONS 1705.7-1705.10 AS APPLICABLE, THE GEOTECHNICAL REPORT LISTED IN THE GENERAL FOUNDATION NOTES, AND ANY OTHER REQUIREMENTS LISTED IN THE CONSTRUCTION DOCUMENTS	NO
SPECIAL INSPECTION OF FABRICATED ITEMS	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.11	NO
SPECIAL INSPECTIONS FOR WIND RESISTANCE (REQUIRED ONLY FOR V= 150MPH OR GREATER IN EXPOSURE CATEGORY B, OR V=140MPH OR GREATER IN EXPOSURE CATEGORY C OR D)	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.12	NO
SPECIAL INSPECTIONS AND TESTING FOR SEISMIC RESISTANCE (REQUIRED FOR STRUCTURES ASSIGNED TO CATEGORIES C, D, E, OR F)	TO BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE SECTIONS OF IBC 1705.13 AND 1705.14	YES

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SPECIAL INSPECTION TABLES

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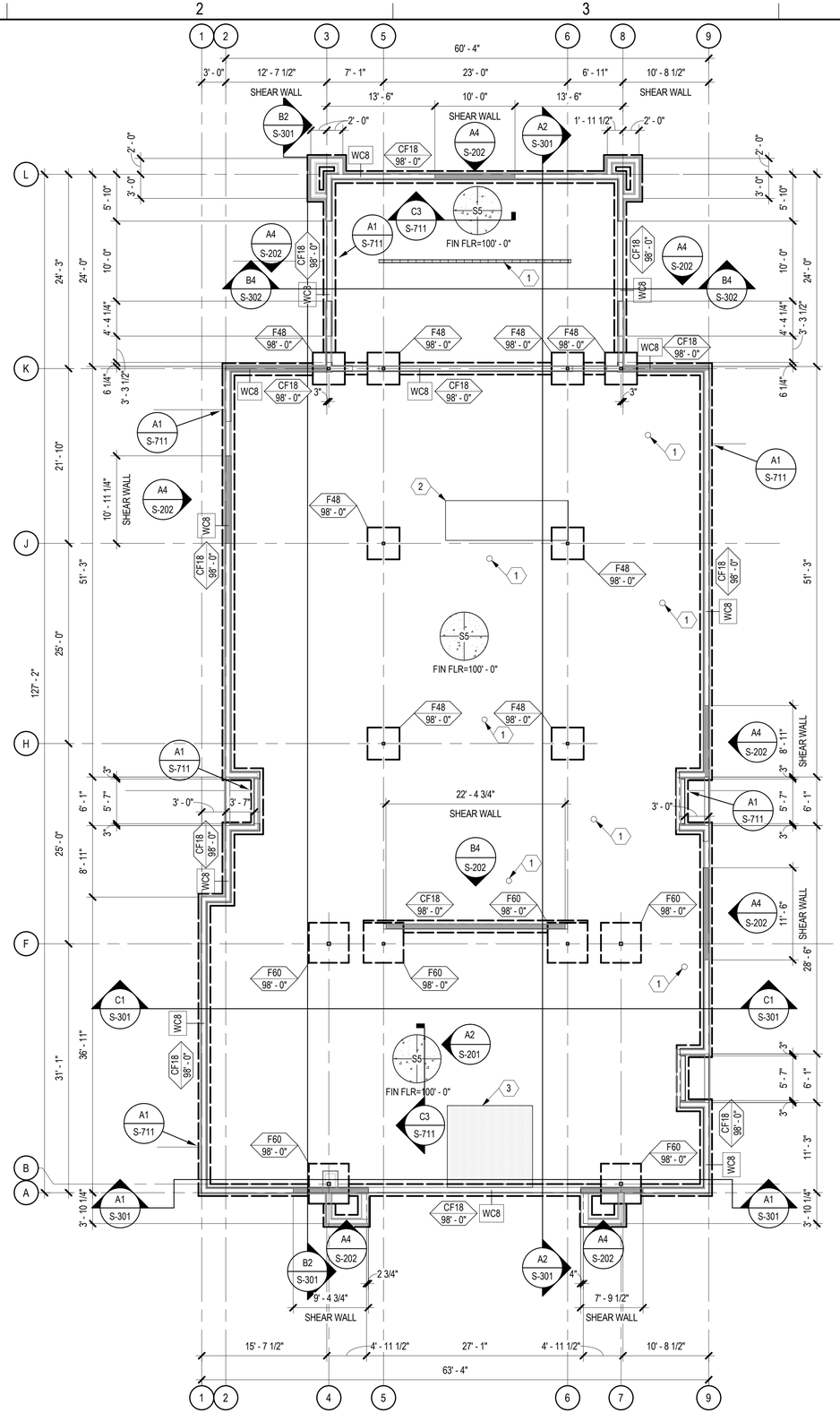

A2 FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

THE MAJORITY OF THE INTERIOR SLABS ON THIS PROJECT ARE POLISHED AND EXPOSED TO VIEW. IN ADDITION TO THE TYPICAL STANDARD OF CARE AND ALL OTHER REQUIREMENTS IN THE PROJECT DOCUMENTS, THE CONTRACTOR IS REQUIRED TO ADHERE TO THE FOLLOWING (AT A MINIMUM) TO ASSURE MINIMAL SLAB CRACKING:

SLABS-ON-GRADE:

1. **SEVEN DAY MOIST CURE – SEE SPECIFICATION SECTION 03 3000. CURING COMPOUND IS NOT ALLOWED.**
2. **CONTROL JOINT LOCATIONS AT 10'-0" OC MAXIMUM SPACING.**
3. **PROPER CONTROL JOINT INSTALLATION PER DETAIL A3/S-711, INCLUDING DISCONTINUING OF EVERY OTHER REBAR AT EACH SIDE OF JOINT.**
4. **INSTALLATION OF ¼" TO ½" FINE GRADED SKIM SAND, LASERED UNIFORMLY FLAT, BETWEEN THE VAPOR BARRIER AND THE COMPACTED SUBGRADE.**

GENERAL SHEET NOTES

1. SOME SHEET KEYNOTES MAY NOT APPLY TO THIS SHEET.
2. REFERENCE FINISH FLOOR ELEVATION 100'-0" = MEAN SEA FINISH FLOOR ELEVATION. SEE CIVIL DRAWINGS.
3. NOTE TO ERECTOR: LATERAL STABILITY OF THE STEEL FRAME IS DEPENDENT UPON THE MASONRY AND STUD WALLS. THE ERECTOR SHALL PROVIDE TEMPORARY BRACING OF THE STEEL FRAME IN ACCORDANCE WITH SECTION 7.10 OF THE AISC CODE OF STANDARD PRACTICES.
4. PROVIDE BLOCKOUTS AT ALL COLUMNS UNLESS NOTED OTHERWISE.
5. DIMENSIONS ARE TO THE FACE OF CONCRETE, MASONRY, OR GRID LINES UNLESS NOTED OTHERWISE.
6. SEE ARCHITECTURAL DRAWINGS FOR MASONRY DIMENSIONS NOT SHOWN.
7. PROVIDE SLAB JOINTS AT 12' - 0" ON CENTER MAXIMUM. THE AREA OF THE CONTROL JOINT SHALL NOT EXCEED A 2:1 RATIO. CONTROL JOINTS SHALL BE LOCATED AT COLUMN LINES WHERE THE LAYOUT PERMITS. AT RE-ENTRANT CORNERS THAT DO NOT HAVE CONTROL JOINTS, PROVIDE 2-#4 x 3'-0" DIAGONAL TO THE RE-ENTRANT CORNER.
8. STRUCTURAL COLD FORMED METAL STUDS SHALL BE 600S162-43 AT 16" ON CENTER UNLESS NOTED OTHERWISE.
9. SEE SHEET S-301 FOR TYPICAL FOUNDATION SECTIONS AND DETAILS.
10. SEE SHEETS S-711 THRU S-741 FOR TYPICAL DETAILS.
11. SEE SHEET S-601 AND S-602 FOR SCHEDULES.

SHEET KEYNOTE

1. FLOOR DRAIN, SLOPE SLAB TO DRAIN 1/8" PER FOOT. COORDINATE EXACT SIZE AND LOCATION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. 24" THICK ISOLATED CONCRETE PAD UNDER LAUNDRY EQUIPMENT. VERIFY EXACT SIZE AND LOCATION WITH ARCHITECTURAL DRAWINGS. SEE DETAIL B3/S-712.
3. RECESSED SLAB COORDINATE EXACT SIZE AND LOCATION WITH ARCHITECTURAL DRAWINGS.

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FOUNDATION PLAN

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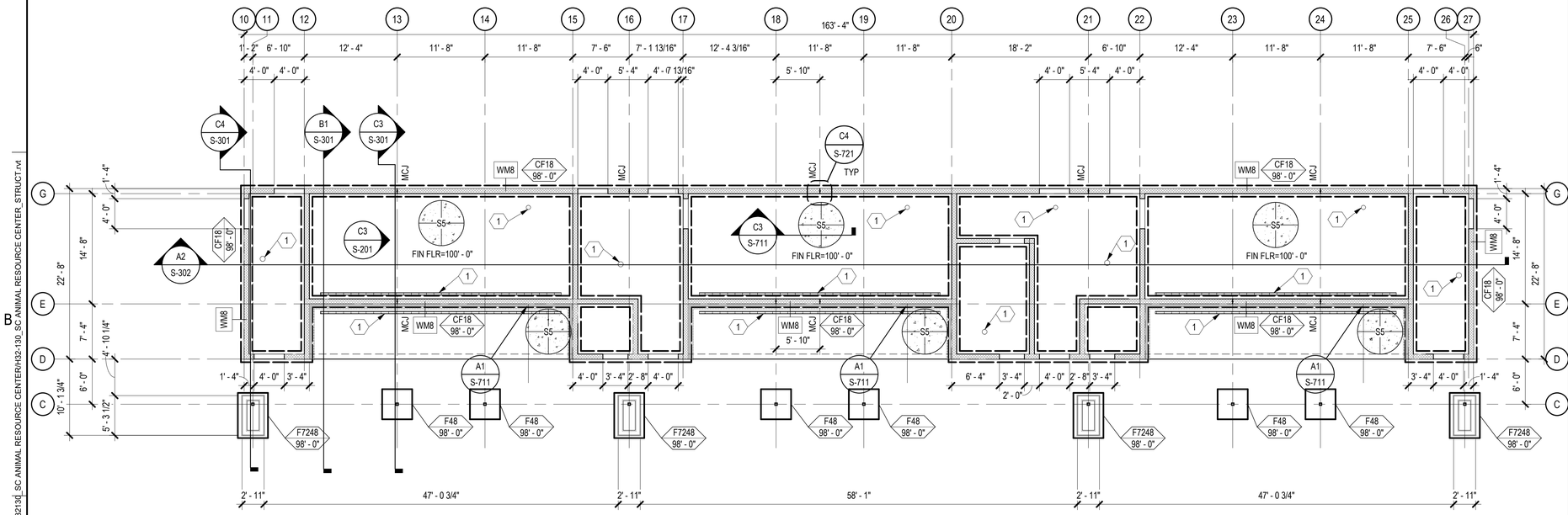
4. PROVIDE BLOCKOUTS AT ALL COLUMNS UNLESS NOTED OTHERWISE.
5. DIMENSIONS ARE TO THE FACE OF CONCRETE, MASONRY, OR GRID LINES UNLESS NOTED OTHERWISE.
6. SEE ARCHITECTURAL DRAWINGS FOR MASONRY DIMENSIONS NOT SHOWN.
7. PROVIDE SLAB JOINTS AT 12' - 0" ON CENTER MAXIMUM. THE AREA OF THE CONTROL JOINT SHALL NOT EXCEED A 2.1 RATIO. CONTROL JOINTS SHALL BE LOCATED AT COLUMN LINES WHERE THE LAYOUT PERMITS. AT RE-ENTRANT CORNERS THAT DO NOT HAVE CONTROL JOINTS, PROVIDE 2-#4 x 3'-0" DIAGONAL TO THE RE-ENTRANT CORNER.
8. STRUCTURAL COLD FORMED METAL STUDS SHALL BE 600S162-43 AT 16" ON CENTER UNLESS NOTED OTHERWISE.
9. SEE SHEET S-301 FOR TYPICAL FOUNDATION SECTIONS AND DETAILS.
10. SEE SHEETS S-711 THRU S-741 FOR TYPICAL DETAILS.
11. SEE SHEET S-601 AND S-602 FOR SCHEDULES.



SHEET KEYNOTE

1. FLOOR DRAIN, SLOPE SLAB TO DRAIN 1/8" PER FOOT. COORDINATE EXACT SIZE AND LOCATION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. 24" THICK ISOLATED CONCRETE PAD UNDER LAUNDRY EQUIPMENT. VERIFY EXACT SIZE AND LOCATION WITH ARCHITECTURAL DRAWINGS. SEE DETAIL B3/S-712.
3. RECESSED SLAB COORDINATE EXACT SIZE AND LOCATION WITH ARCHITECTURAL DRAWINGS.

A1 FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

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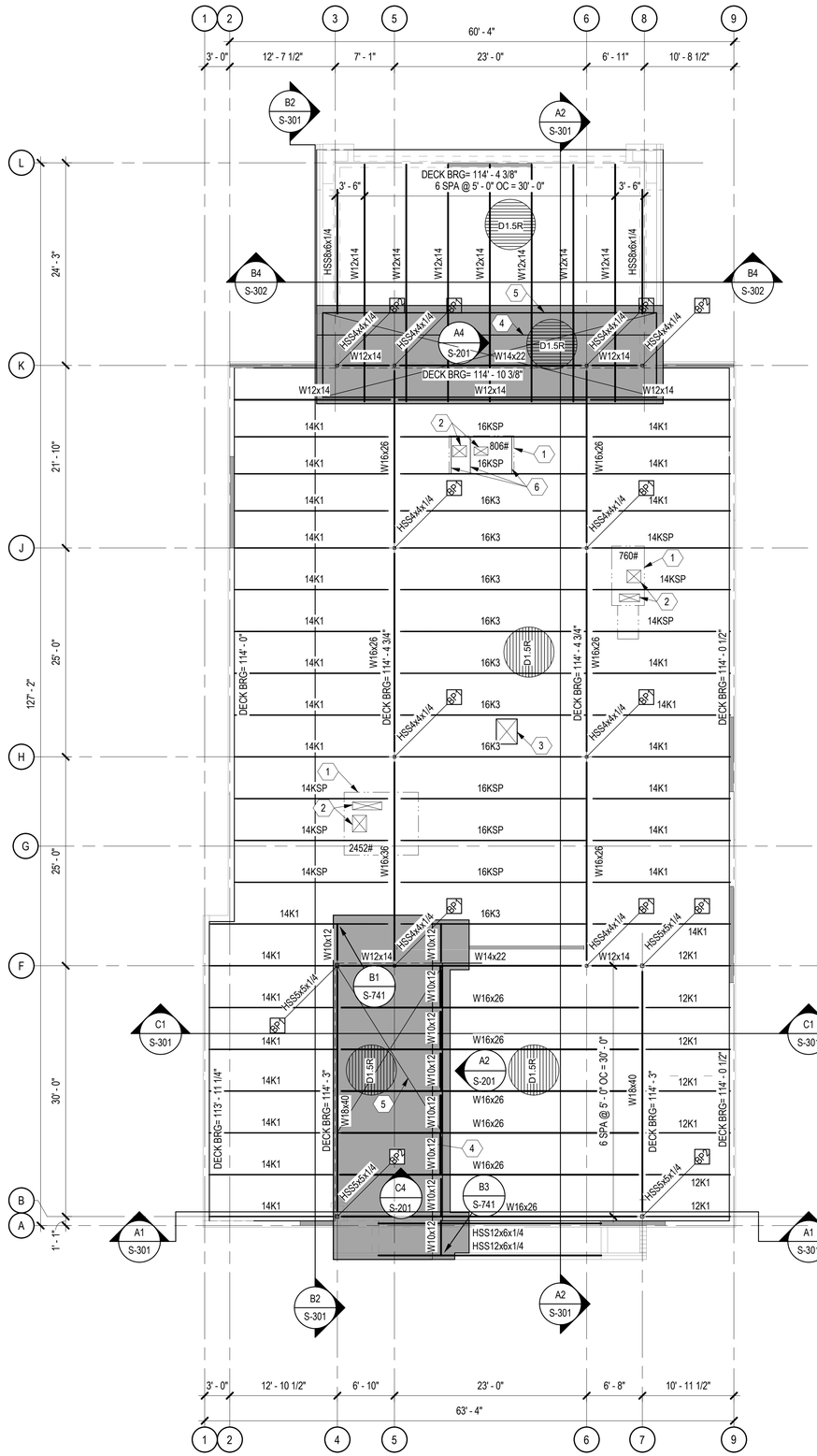

A2 ROOF FRAMING PLAN

SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

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3. DIMENSIONS ARE TO THE FACE OF MASONRY, STUD, OR GRID LINES UNLESS NOTED OTHERWISE.
4. SEE ARCHITECTURAL DRAWINGS FOR MASONRY DIMENSIONS NOT SHOWN.
5. BEAMS AND JOISTS ARE EQUALLY SPACED BETWEEN GRIDS UNLESS NOTED OTHERWISE.
6. PROVIDE JOIST BRIDGING PER THE 42ND EDITION OF THE SJI SPECIFICATIONS AND OSHA REQUIREMENTS.
7. STEEL JOIST MANUFACTURER SHALL DESIGN ROOF JOISTS AND ROOF JOIST GIRDERS SUPPORTING MECHANICAL UNITS FOR 1.2x MECHANICAL UNIT WEIGHTS SHOWN. USE 20 PSF DEAD LOAD AND 20 PSF LIVE LOAD UNLESS NOTED OTHERWISE. CONTRACTOR SHALL VERIFY ACTUAL MECHANICAL LOADS. NOTIFY STEEL JOIST MANUFACTURER OF ANY DISCREPANCIES.
8. STRUCTURAL COLD FORMED METAL STUDS SHALL BE 600S162-43 AT 16" ON CENTER UNLESS NOTED OTHERWISE.
9. SEE SHEET S-311 FOR TYPICAL ROOF FRAMING SECTIONS.
10. SEE SHEET S-711 THRU S-741 FOR TYPICAL DETAILS.
11. SEE SHEET S-601 AND S-602 FOR SCHEDULES.

SHEET KEYNOTE

1. MECHANICAL UNIT. COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL DRAWINGS.
2. MECHANICAL OPENING, COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL DRAWINGS. SEE A4/S-741 FOR FRAMING REQUIREMENTS.
3. ROOF HATCH. COORDINATE EXACT SIZE AND LOCATION WITH ARCHITECTURAL DRAWINGS. SEE A4/S-741 FOR FRAMING REQUIREMENTS.
4. HATCHED AREA INDICATES CLERESTORY ABOVE. COORDINATE EXACT SIZE AND LOCATION WITH ARCHITECTURAL DRAWINGS.
5. OPENING IN ROOF BELOW CLERESTORY FRAMING. COORDINATE EXACT SIZE WITH ARCHITECTURAL DRAWINGS.
6. L4x4x1/4 MECHANICAL UNIT SUPPORT. ATTACH TO JOIST PER DETAIL A4/S-741.

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ROOF FRAMING PLAN

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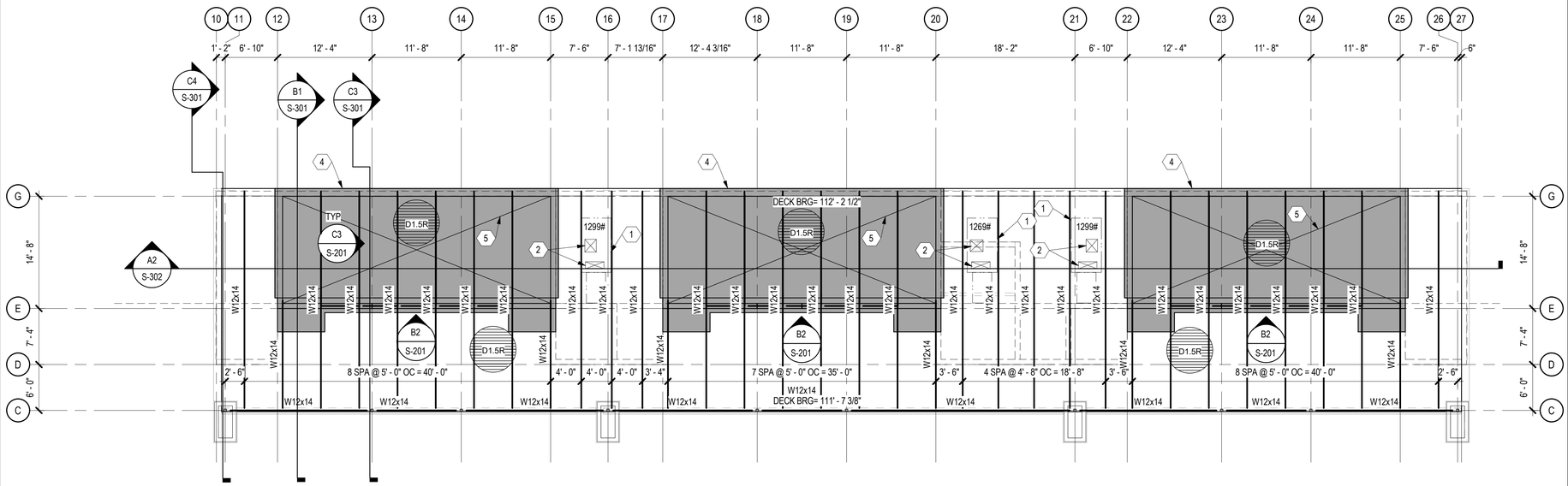

A2 ROOF FRAMING PLAN

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1. SOME SHEET KEYNOTES MAY NOT APPLY TO THIS SHEET.
2. NOTE TO ERECTOR: LATERAL STABILITY OF THE STEEL FRAME IS DEPENDENT UPON THE MASONRY WALLS, STUD WALLS. THE ERECTOR SHALL PROVIDE TEMPORARY BRACING OF THE STEEL FRAME IN ACCORDANCE WITH SECTION 7.10 OF THE AISC CODE OF STANDARD PRACTICES.
3. DIMENSIONS ARE TO THE FACE OF MASONRY, STUD, OR GRID LINES UNLESS NOTED OTHERWISE.
4. SEE ARCHITECTURAL DRAWINGS FOR MASONRY DIMENSIONS NOT SHOWN.
5. BEAMS AND JOISTS ARE EQUALLY SPACED BETWEEN GRIDS UNLESS NOTED OTHERWISE.
6. PROVIDE JOIST BRIDGING PER THE 42ND EDITION OF THE SJI SPECIFICATIONS AND OSHA REQUIREMENTS.
7. STEEL JOIST MANUFACTURER SHALL DESIGN ROOF JOISTS AND ROOF JOIST GIRDERS SUPPORTING MECHANICAL UNITS FOR 1.2x MECHANICAL UNIT WEIGHTS SHOWN. USE 20 PSF DEAD LOAD AND 20 PSF LIVE LOAD UNLESS NOTED OTHERWISE. CONTRACTOR SHALL VERIFY ACTUAL MECHANICAL LOADS. NOTIFY STEEL JOIST MANUFACTURER OF ANY DISCREPANCIES.
8. STRUCTURAL COLD FORMED METAL STUDS SHALL BE 600S162-43 AT 16" ON CENTER UNLESS NOTED OTHERWISE.
9. SEE SHEET S-311 FOR TYPICAL ROOF FRAMING SECTIONS.
10. SEE SHEET S-711 THRU S-741 FOR TYPICAL DETAILS.
11. SEE SHEET S-601 AND S-602 FOR SCHEDULES.

SHEET KEYNOTE

1. MECHANICAL UNIT. COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL DRAWINGS.
2. MECHANICAL OPENING, COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL DRAWINGS. SEE A4/S-741 FOR FRAMING REQUIREMENTS.
3. ROOF HATCH. COORDINATE EXACT SIZE AND LOCATION WITH ARCHITECTURAL DRAWINGS. SEE A4/S-741 FOR FRAMING REQUIREMENTS.
4. HATCHED AREA INDICATES CLERESTORY ABOVE. COORDINATE EXACT SIZE AND LOCATION WITH ARCHITECTURAL DRAWINGS.
5. OPENING IN ROOF BELOW CLERESTORY FRAMING. COORDINATE EXACT SIZE WITH ARCHITECTURAL DRAWINGS.
6. L4x4x1/4 MECHANICAL UNIT SUPPORT. ATTACH TO JOIST PER DETAIL A4/S-741.

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ROOF FRAMING PLAN

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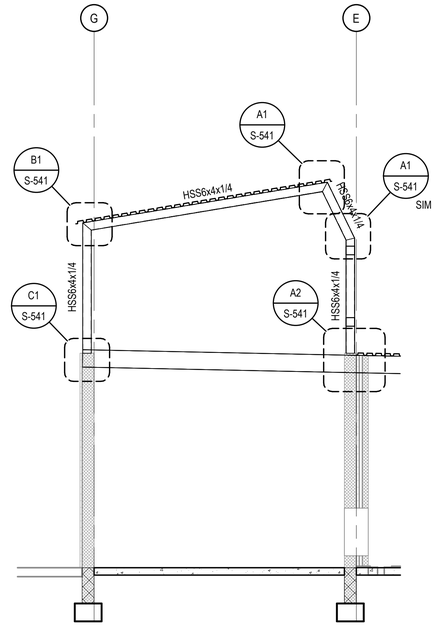
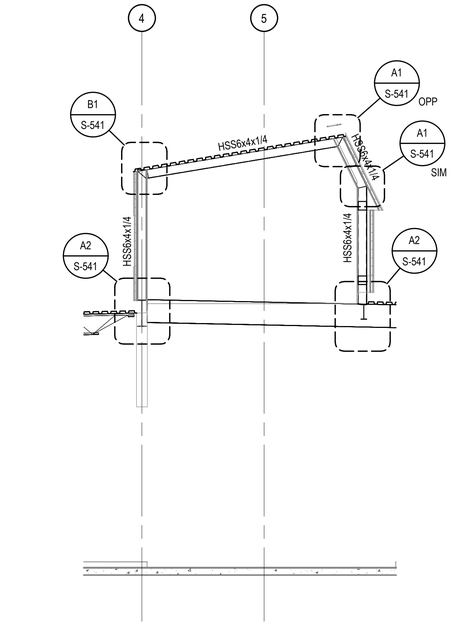
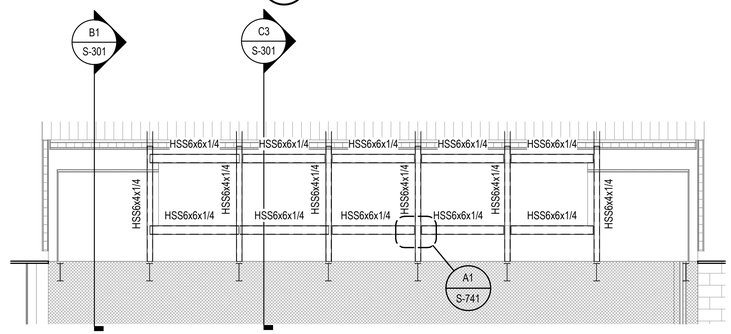


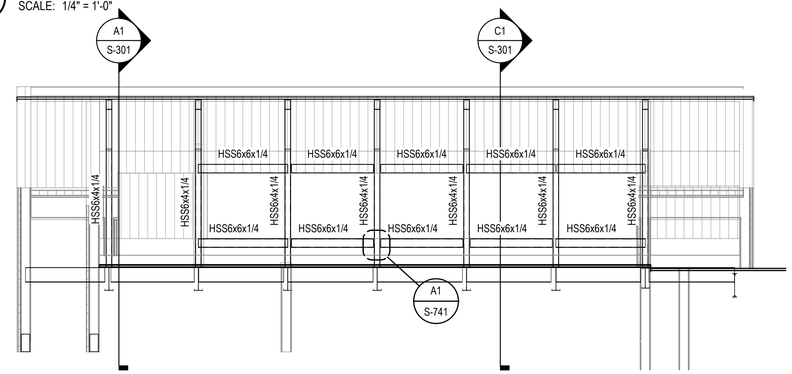
C3 FRAME ELEVATION
SCALE: 1/4" = 1'-0"



C4 FRAME ELEVATION
SCALE: 1/4" = 1'-0"



B2 FRAME ELEVATION
SCALE: 1/4" = 1'-0"



A2 FRAME ELEVATION
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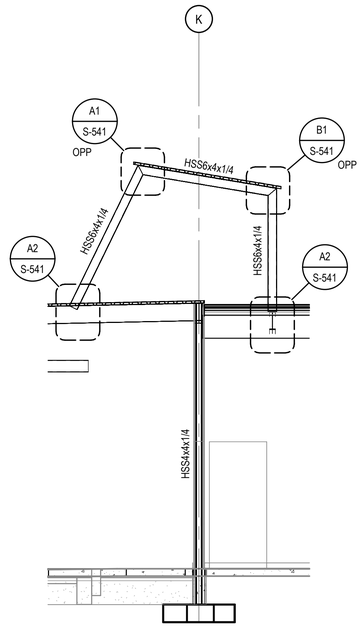

A4 FRAME ELEVATION
SCALE: 1/4" = 1'-0"

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ELEVATIONS

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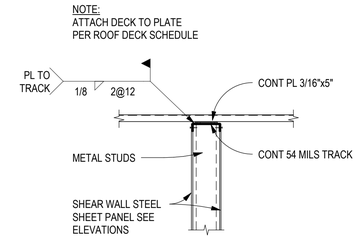

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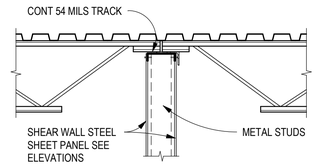
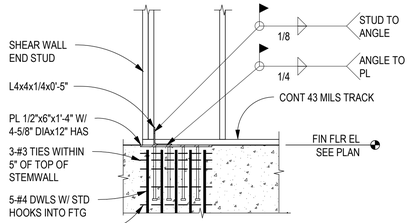


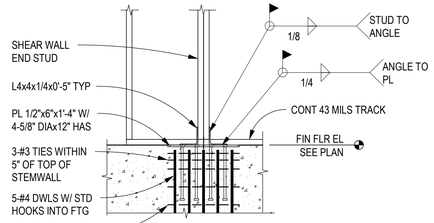
@ JOIST BRG

C2 INT SHEAR WALL TO DECK SECTION

SCALE: 3/4" = 1'-0"



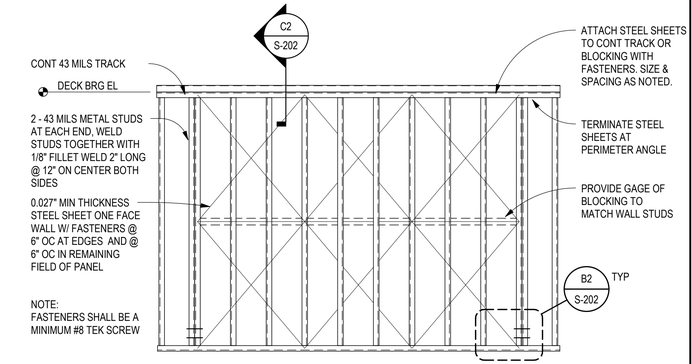
AT WALL END



AT INTERIOR WALL

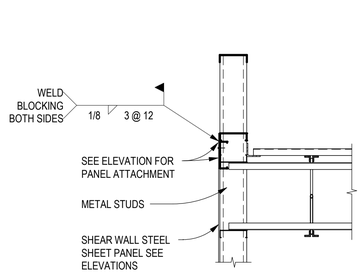
B2 SHEAR WALL TIE DOWN DETAIL

SCALE: 3/4" = 1'-0"



B4 SHEAR WALL ELEVATION AT INTERIOR

SCALE: 3/4" = 1'-0"



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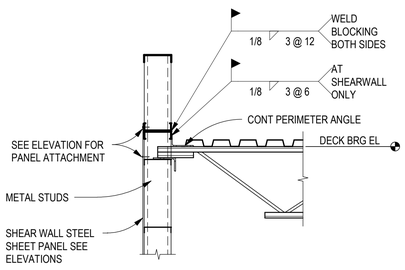
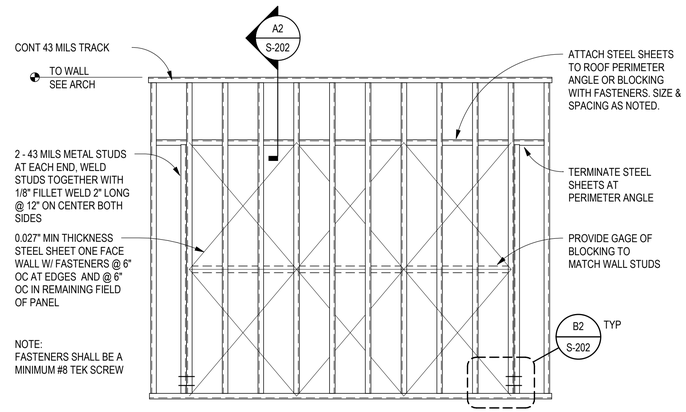


@ JOIST BRG

A2 SHEAR WALL SECTION AT ROOF

SCALE: 3/4" = 1'-0"



A4 SHEAR WALL ELEVATION AT PARAPET

SCALE: 3/4" = 1'-0"

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SHEARWALL ELEVATIONS

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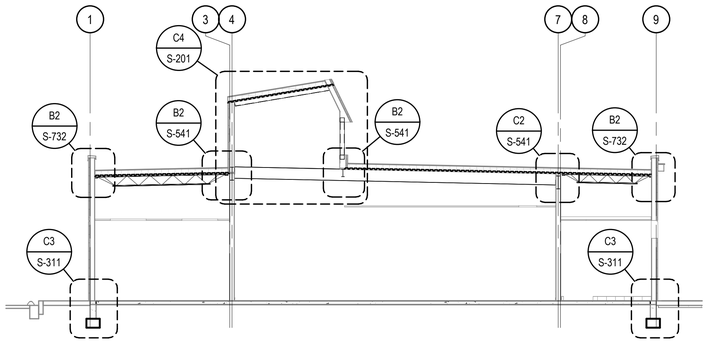
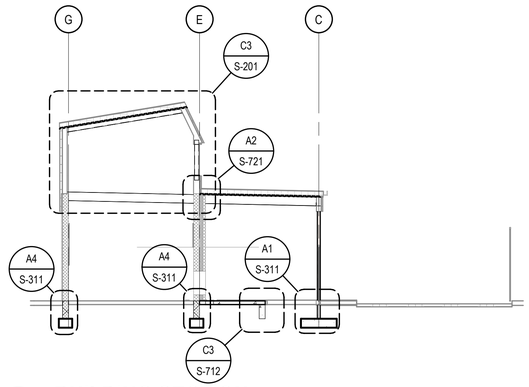


C1 BUILDING SECTION
SCALE: 1/8" = 1'-0"



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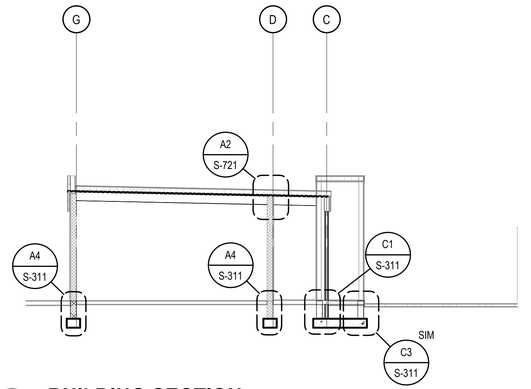

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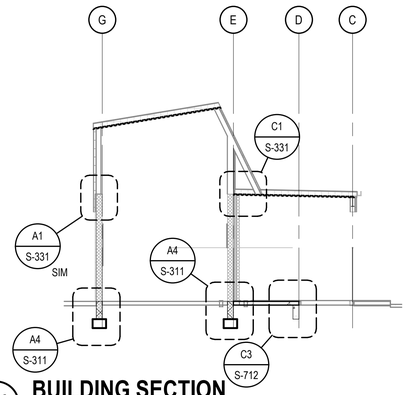

B1 BUILDING SECTION
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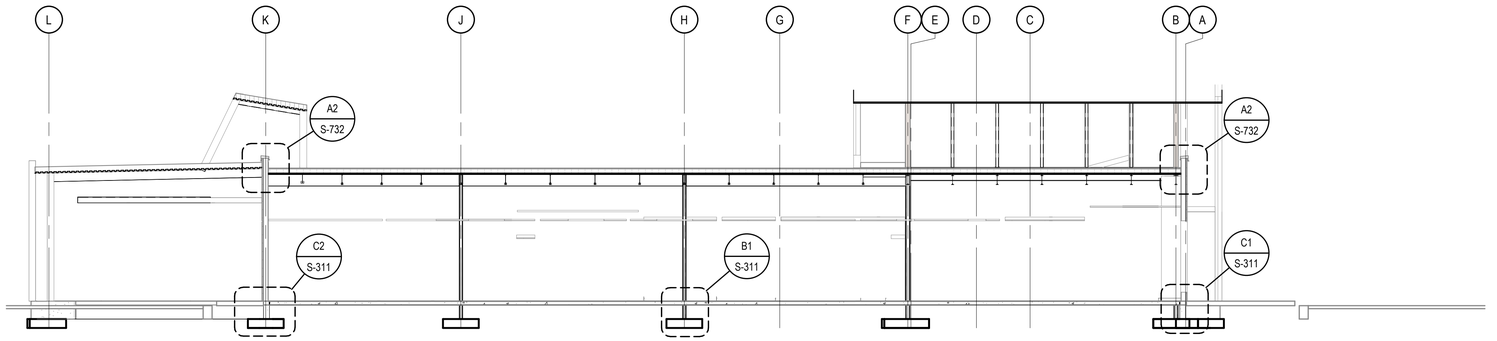

B2 BUILDING SECTION
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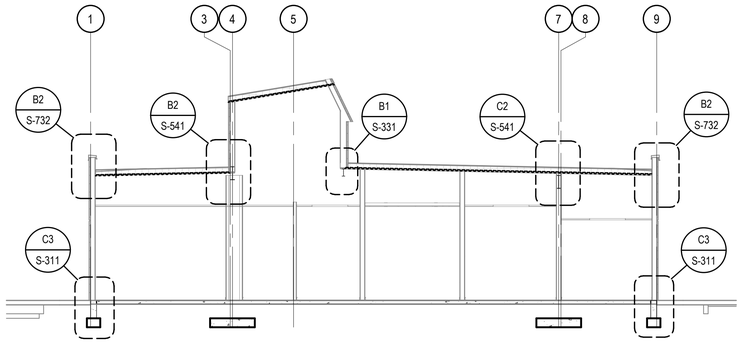
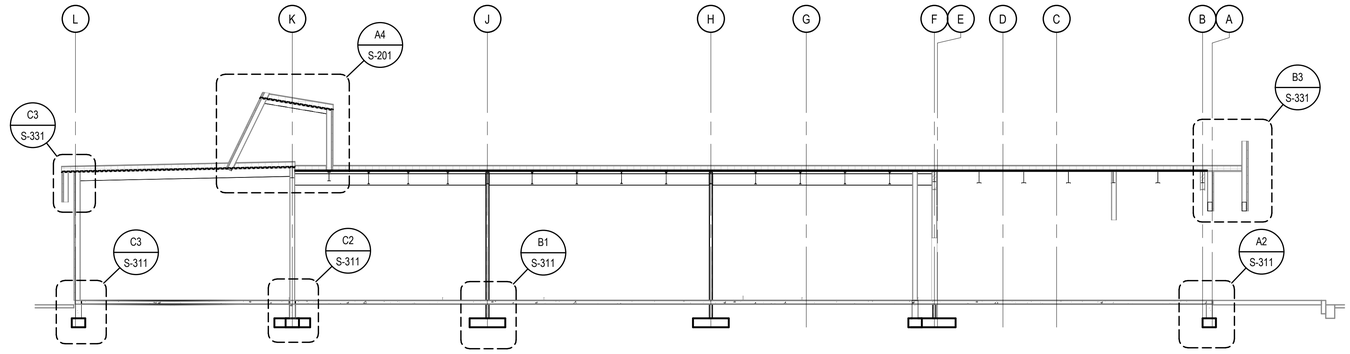


A1 BUILDING SECTION
SCALE: 1/8" = 1'-0"



A2 BUILDING SECTION
SCALE: 1/8" = 1'-0"

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BUILDING SECTIONS

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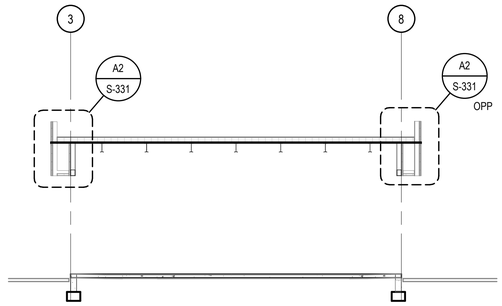

B4 **BUILDING SECTION**
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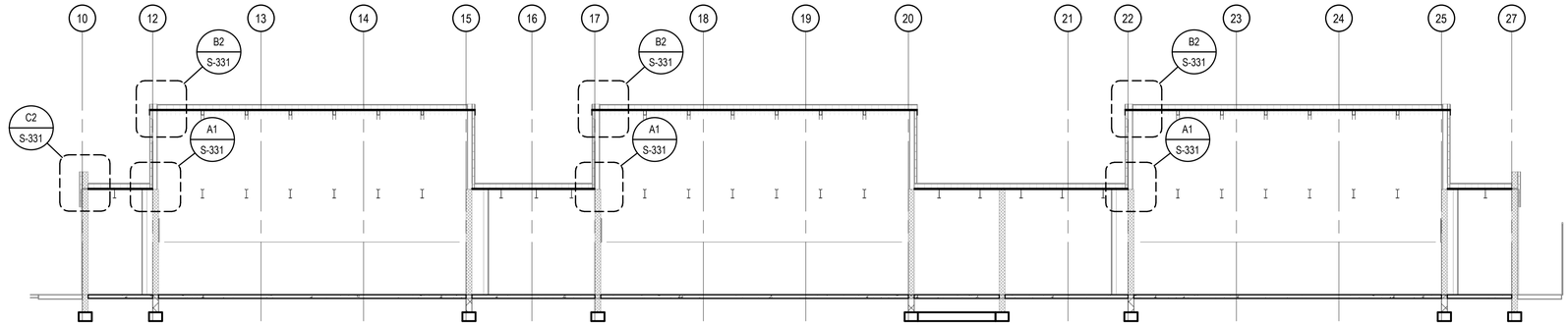

A2 **BUILDING SECTION**
SCALE: 1/8" = 1'-0"

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BUILDING SECTIONS

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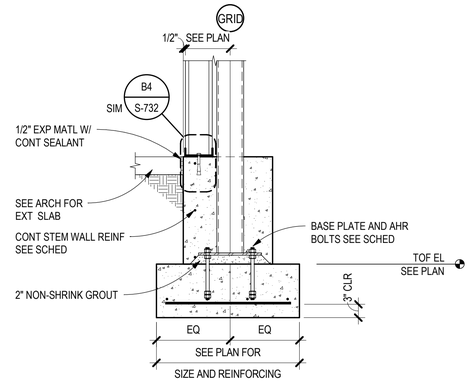
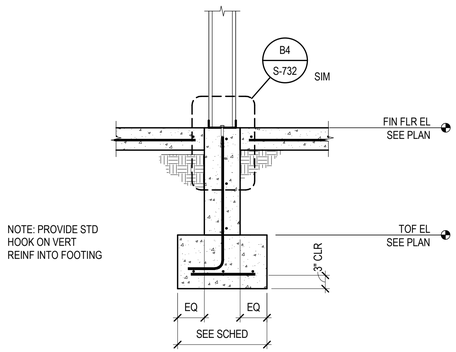


C1 FOUNDATION SECTION

SCALE: 3/4" = 1'-0"



C2 INTERIOR FOUNDATION SECTION

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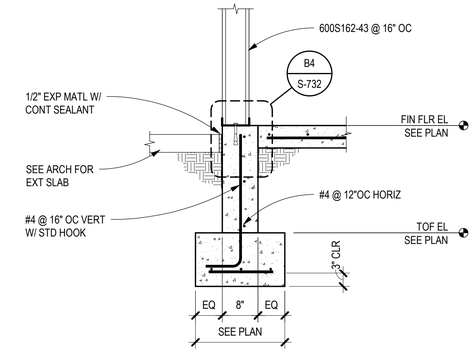

C3 PERIMETER FOUNDATION SECTION

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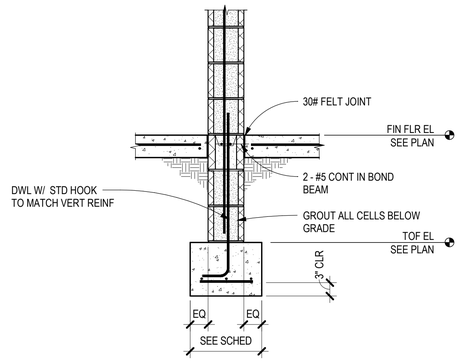


C4 INTERIOR FOUNDATION SECTION

SCALE: 3/4" = 1'-0"

B1 TYPICAL INTERIOR COLUMN

SCALE: 3/4" = 1'-0"

B2 INT CONC STEMWALL AT OPNG

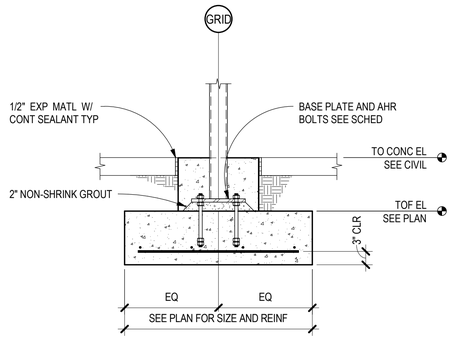
SCALE: 3/4" = 1'-0"

B3 CMU WALL AT THICKENED SLAB

SCALE: 3/4" = 1'-0"

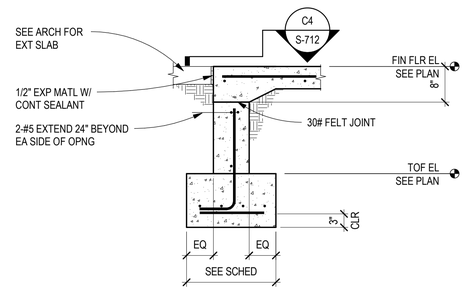
B4 CMU STEMWALL AT OPNG

SCALE: 3/4" = 1'-0"



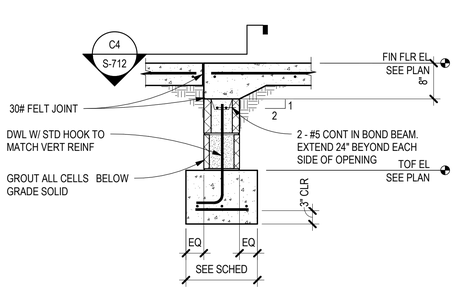
A1 EXTERIOR COLUMN SECTION

SCALE: 3/4" = 1'-0"



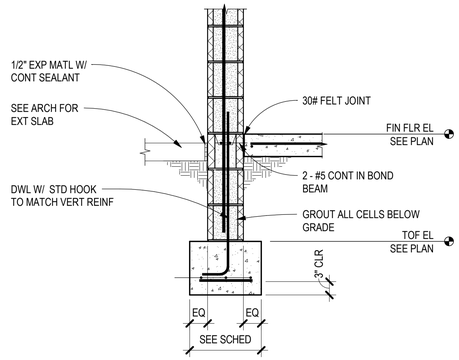
A2 CONC STEMWALL AT OPNG

SCALE: 3/4" = 1'-0"



A3 INT CMU STEMWALL AT OPNG

SCALE: 3/4" = 1'-0"



A4 PERIMETER FOUNDATION SECTION

SCALE: 3/4" = 1'-0"

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FOUNDATION SECTIONS

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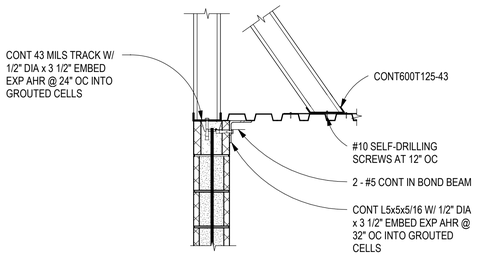
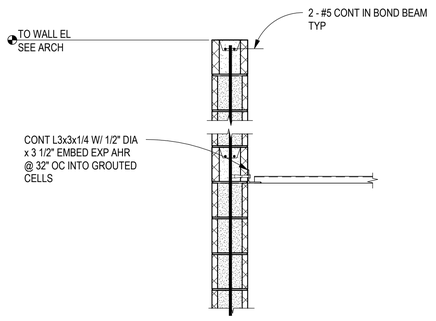
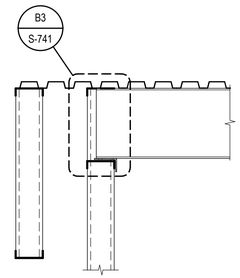


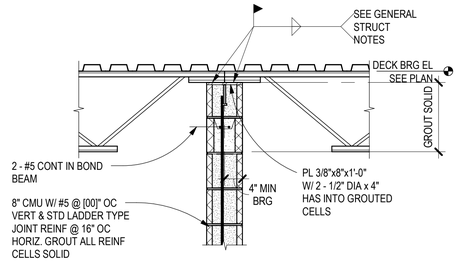
C1 ROOF FRAMING SECTION
SCALE: 3/4" = 1'-0"



C2 ROOF NON-BEARING AT CMU WALL
SCALE: 3/4" = 1'-0"



C3 ROOF FRAMING SECTION
SCALE: 3/4" = 1'-0"



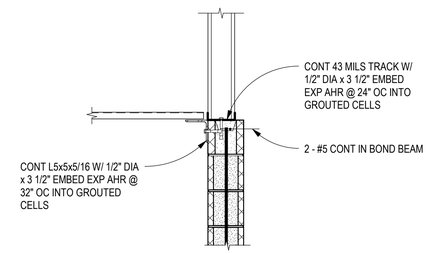
C4 JOIST BRG ON INT CMU WALL
SCALE: 3/4" = 1'-0"

B1 ROOF FRAMING SECTION
SCALE: 3/4" = 1'-0"

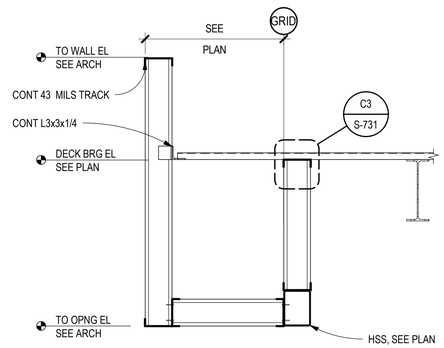
B2 ROOF FRAMING SECTION
SCALE: 3/4" = 1'-0"

B3 ROOF FRAMING SECTION
SCALE: 3/4" = 1'-0"

B4 ROOF NON-BEARING AT CMU WALL
SCALE: 3/4" = 1'-0"



A1 ROOF FRAMING SECTION
SCALE: 3/4" = 1'-0"



A2 ROOF FRAMING SECTION
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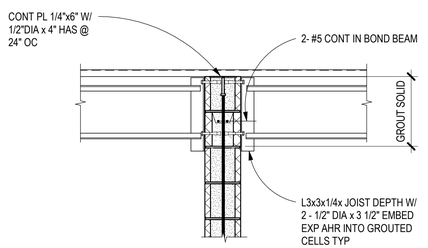
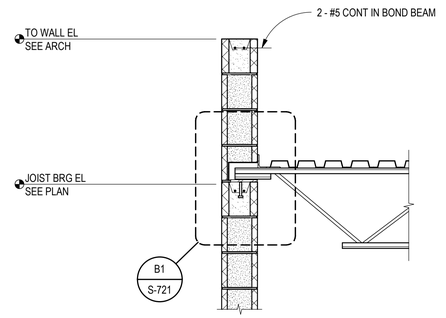


A3 INT CMU BEARING WALL TO DECK
SCALE: 3/4" = 1'-0"



A4 JOIST BEARING AT CMU WALL
SCALE: 3/4" = 1'-0"

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SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA RD
BERNALILLO, NM

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REVIEWED BY:	GB
APPROVED BY:	GB

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ROOF FRAMING SECTIONS

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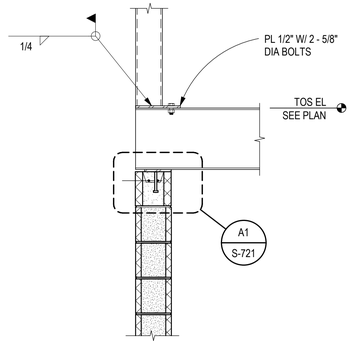
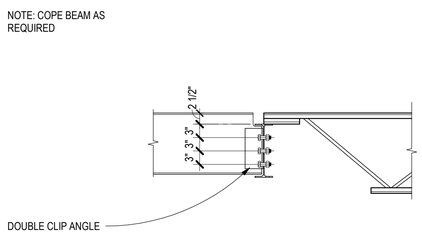
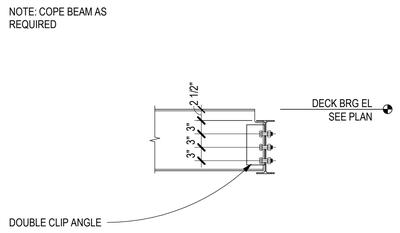


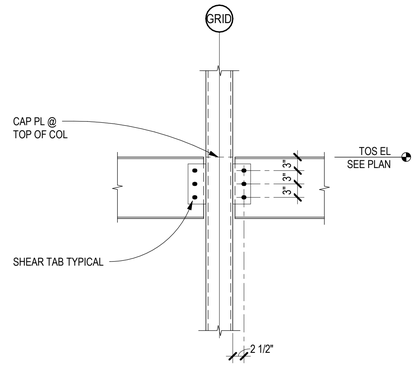
C1 HSS TO CMU WALL
SCALE: 3/4" = 1'-0"



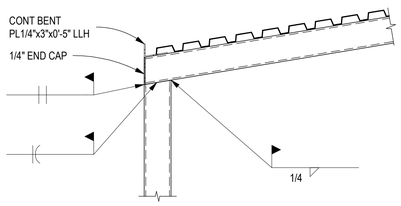
C2 TYPICAL BEAM TO BEAM CONN
SCALE: 3/4" = 1'-0"



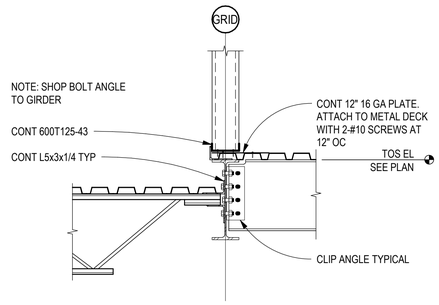
C3 BEAM TO BEAM CONN
SCALE: 3/4" = 1'-0"



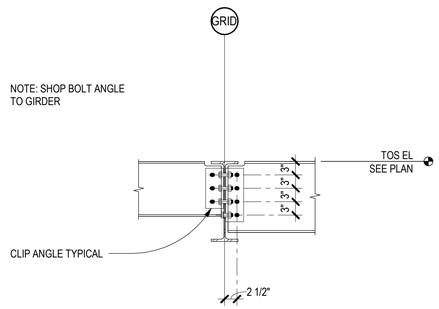
C4 BEAM TO COLUMN CONN
SCALE: 3/4" = 1'-0"



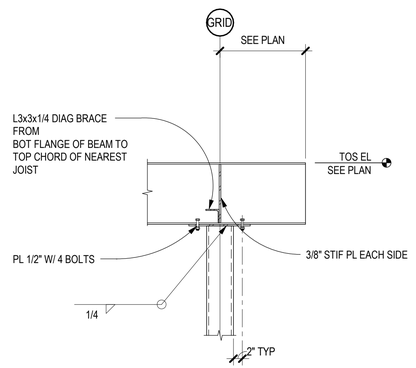
B1 HSS TO HSS
SCALE: 3/4" = 1'-0"



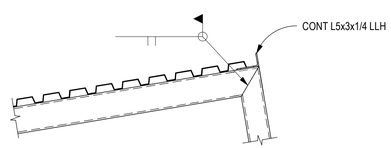
B2 BEAM TO BEAM CONN
SCALE: 3/4" = 1'-0"



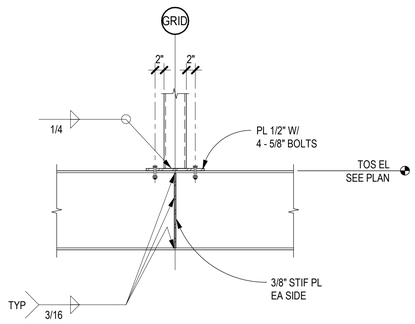
B3 TYPICAL BEAM TO BEAM CONN
SCALE: 3/4" = 1'-0"



B4 BEAM OVER COLUMN CONN
SCALE: 3/4" = 1'-0"



A1 HSS TO HSS
SCALE: 3/4" = 1'-0"



A2 HSS TO BEAM
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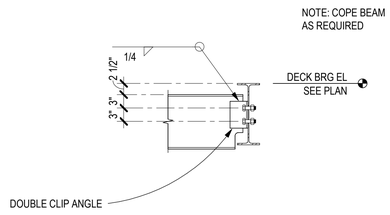

A3 BEAM TO BEAM CONN
SCALE: 3/4" = 1'-0"

STEEL CONNECTION NOTES

1. PROVIDE 1/4" CAP PLATE AT THE TOP OF ALL HOLLOW STRUCTURAL STEEL (HSS) COLUMNS UNLESS NOTED OTHERWISE.
2. PROVIDE 1/4" CAP PLATE AT THE TOP OF ALL PIPE COLUMNS UNLESS NOTED OTHERWISE.
3. PROVIDE 1/2" CAP PLATE AT THE TOP OF ALL WIDE FLANGE COLUMNS UNLESS NOTED OTHERWISE.
4. PROVIDE 1/4" END PLATE AT ALL EXPOSED HSS MEMBERS UNLESS NOTED OTHERWISE.
5. ALL CONNECTION CLIP ANGLES SHALL BE L4x4x3/8 UNLESS NOTED OTHERWISE. BOLT ANGLE TO SUPPORTING MEMBER UNLESS NOTED OTHERWISE.
6. ALL CONNECTION SHEAR PLATES SHALL BE PL 3/8" UNLESS NOTED OTHERWISE. PROVIDE 5/16" FILLET WELD EACH SIDE OF SHEAR PLATE TO SUPPORTING MEMBER.
7. ALL BOLTS SHALL BE 3/4 " DIAMETER A325N IN SHORT SLOTS AS FOLLOWS UNLESS NOTED OTHERWISE:
   - 2 @ W8, W10
   - 3 @ W12, W14
   - 4 @ W16, W18
   - 5 @ W21
   - 6 @ W24
   - 7 @ W27
   - 8 @ W30
   - 9 @ W33
   - 10 @ W36
   - 11 @ W40
   - 12@ W44

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STEEL DETAILS

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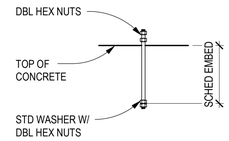
BASE PLATE SCHEDULE					
BASE PLATE			ANCHOR BOLTS		NON-SHRINK GROUT THICKNESS
MARK	TYPE	SIZE "T"x"A"x"B"	F1554 ANCHOR BOLTS	TYPE	
BP1	A	PL 3/4" x13"x1'-1"	4 - 3/4" DIA x 9"	1	2"
BP2	B	PL 3/4" x13"x1'-1"	4 - 3/4" DIA x 9"	1	2"



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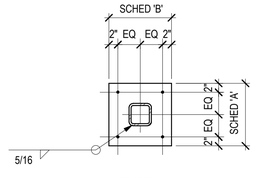
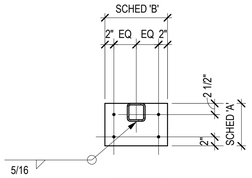


TYPE 'A'



TYPE 'B'

SLAB-ON-GRADE SCHEDULE					
	SLAB				
MARK	THICKNESS	MATL	REINFORCING	BEARING STRATA	COMMENTS
S5	5"	NORMAL WEIGHT CONC	#4 @ 18" OC EA WAY	15 MIL VAPOR RETARDER OVER 4" GRANULAR BASE COURSE OVER SUBGRADE PER GEN FDTN NOTES	

DECK SCHEDULE								
	METAL DECK				DECK ATTACHMENTS			
MARK	DECK	TYPE	GAGE	FINISH	ATTACH PERP TO RIBS	ATTACH PARALLEL TO RIBS	ATTACH SIDELAPS	COMMENTS
D1.5R	1 1/2"	B	20	PAINTED	5-5/8" DIA PUDDLE WELDS PER 36" WIDE SHEET	5/8" DIA PUDDLE WELDS @ 12" OC	#10 SCREWS @ 12" OC	

WALL SCHEDULE				
	WALL	REINFORCING		
MARK		VERTICAL	HORIZONTAL	COMMENTS
WC8	8" CONC	#4 @12" OC	#4 @ 12" OC	
WM8	8" CMU	#5 @32" OC	STD LADDER TYPE JOINT REINF @16" OC AND 2 - #5 IN BOND BEAMS AT 4' - 0" OC	

REINFORCING LAP SPLICE SCHEDULE								
REINFORCEMENT TYPE	#6 AND SMALLER (NUMBER OF BAR DIAMETERS)			#7 AND LARGER (NUMBER OF BAR DIAMETERS)			MINIMUM LENGTH (IN)	COMMENTS
	3000 PSI	4000 PSI	5000 PSI	3000 PSI	4000 PSI	5000 PSI		
CONTINUOUS WALL FOOTINGS AND HORIZONTAL REINFORCEMENT IN SITE WALLS AND STEMWALLS	30	30	30	30	30	30	18	
CONCRETE WALLS: ALL VERTICAL REINFORCEMENT	57	50	45	72	62	56	12	
CONCRETE WALLS: ALL HORIZONTAL REINFORCEMENT, EXCLUDING SITE WALLS AND STEMWALLS	75	65	58	93	81	72	12	
CONCRETE COLUMNS	57	50	45	72	62	56	12	
TOP FLEXURAL REINFORCEMENT, INCLUDING BEAMS, GRADE BEAMS, AND COMBINED FOOTING COLUMNS	75	65	58	93	81	72	12	
BOTTOM FLEXURAL REINFORCEMENT, INCLUDING BEAMS, GRADE BEAMS, AND COMBINED COLUMN FOOTINGS	57	50	45	72	62	56	12	
MINIMUM EMBEDMENT OF STANDARD HOOKS INTO CONCRETE BASE	22	19	17	22	19	17	6	ALLOWED FOR BARS LARGER THAN #11
SLABS-ON-GRADE	30			30			12	
SLABS OVER METAL DECK	30			30			6	WELDED WIRE FABRIC MINIMUM LAP LENGTH = 6 INCHES
ALL CMU LAPS UNLESS NOTED OTHERWISE	48			48			18	

NOTES:
1. LAP SPLICES SHALL NOT BE PERMITTED FOR BARS LARGER THAN #11 IN CONCRETE OR #9 IN MASONRY. SUCH SPLICES SHALL USE APPROVED MECHANICAL CONNECTIONS
2. LAP SPLICES FOR BUNDLED BARS SHALL BE IN ACCORDANCE WITH ACI 318
3. LAP LENGTHS FOR LIGHTWEIGHT CONCRETE SHALL BE INCREASED BY 33%
4. LAP LENGTHS FOR EPOXY COATED BARS SHALL BE INCREASED BY 50%
5. FOR INTERMEDIATE OR LARGER VALUES OF F'c, USE THE CLOSEST LOWER VALUE IN THE TABLE. DO NOT INTERPOLATE

SPOT FOOTING SCHEDULE						
	SIZE				BEARING	
MARK	WIDTH	LENGTH	DEPTH	REINFORCING	PRESSURE	COMMENTS
F48	4' - 0"	4' - 0"	1' - 0"	6 - #4 EA WAY BOT	2500	
F60	5' - 0"	5' - 0"	1' - 0"	7 - #5 EA WAY BOT	2500	
F7248	4' - 0"	6' - 0"	1' - 0"	#4 @ 12" OC EA WAY	2500	

CONTINUOUS FOOTING SCHEDULE						
	SIZE		REINFORCING		BEARING	
MARK	WIDTH	DEPTH	CONTINUOUS	TRANSVERSE	PRESSURE	COMMENTS
CF18	1' - 6"	1' - 0"	3 - #4	#4 @ 32" OC	2500	

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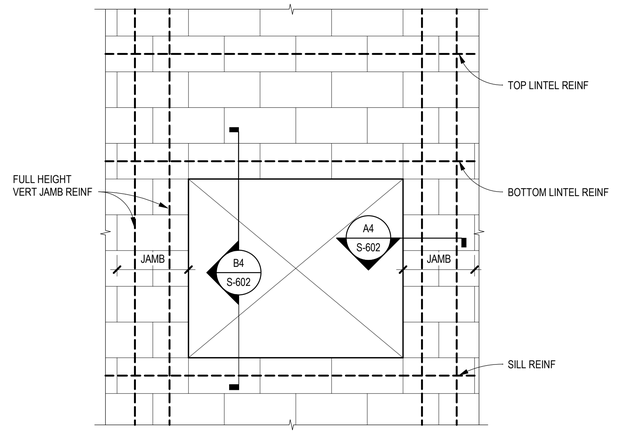
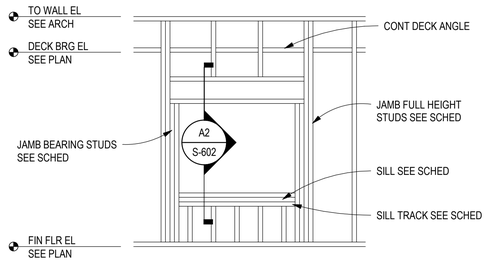
CMU LINTEL SCHEDULE							
OPENING WIDTH	WIDTH	DEPTH	LINTEL REINFORCING		SILL		LINTEL JAMB TYPE
			TOP	BOTTOM	DEPTH	REINFORCING	
0' - 0" - 3' - 4"	8"	16"	2 - #5	2 - #5	8"	2 - #5	TYPE A
3' - 5" - 6' - 8"	8"	24"	2 - #5	2 - #5	8"	2 - #5	TYPE A

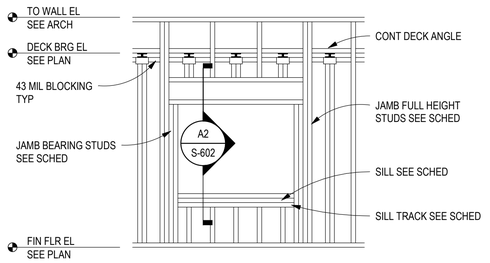


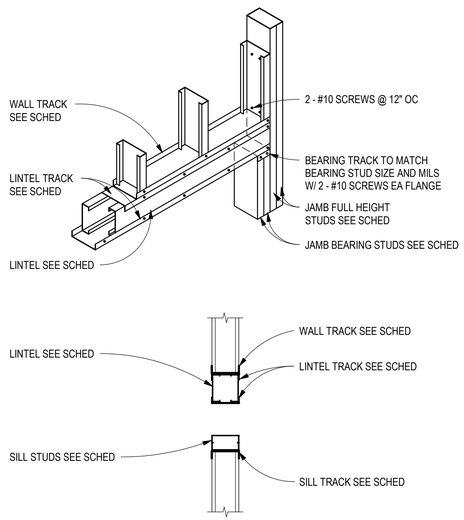
NOTE: COORDINATE CMU SIZES AT SILLS, HEADERS, AND JAMBS WITH ARCHITECTURAL DRAWINGS.

COLD-FORMED LINTEL SCHEDULE								
MARK	LINTEL			JAMB STUDS		SILL		COMMENTS
	SIZE	LINTEL TRACK	WALL TRACK	BEARING	FULL HEIGHT	SIZE	SILL TRACK	
0'-0" - 5'-0"	2-600S162-43	1-600T125-43	1-600T125-43	1 - 600S162-43	1 - 600S162-43	2 - 600S162-43	1 - 600S162-43	
5'-1" - 9'-0"	3-800S162-43	1-600T125-43	1-600T125-43	2 - 600S162-43	2 - 600S162-43	2 - 600S162-43	2 - 600S162-43	
9'-1" - 12'-0"	SEE PLAN	SEE PLAN	SEE PLAN	3 - 600S162-43	3 - 600S162-43	---	---	

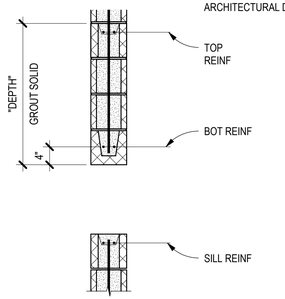
NOTE:
1. NOT ALL LINTELS MAY REQUIRE SILL STUDS. COORDINATE SILL LOCATIONS WITH ARCHITECTURAL PLANS AND ELEVATIONS



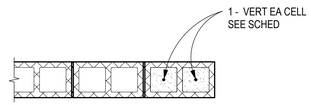




A2 TYPICAL COLD-FORMED LINTEL
SCALE: 3/4" = 1'-0"



B4 CMU LINTEL OPENING SECTION
SCALE: 3/4" = 1'-0"



TYPE 8A

NOTE: SEE TYPICAL CMU PLAN DETAILS SHEET S-711 FOR TYPICAL HORIZONTAL REINFORCING REQUIREMENTS.

A4 CMU JAMB
SCALE: 3/4" = 1'-0"

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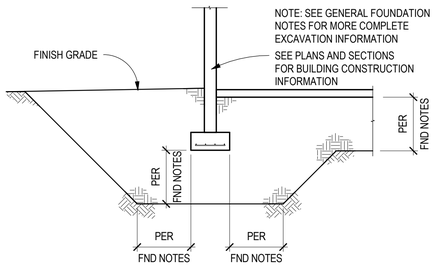
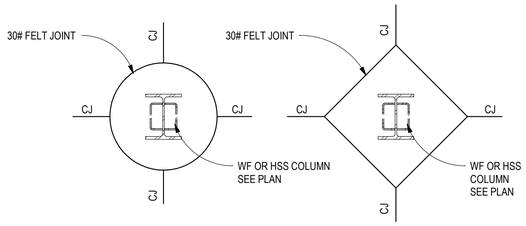


C1 TYPICAL FND EXCAVATION DETAIL
SCALE: NTS

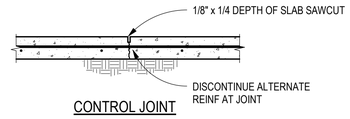


NOTE : CONTRACTOR'S OPTION FOR TYPE TO BE USED. PLACE BLOCKOUTS AT ALL COLUMNS .

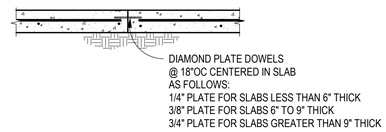
NOTE: ENLARGED BLOCKOUTS MAY BE REQUIRED AT BRACED FRAME LOCATIONS FOR GUSSET PLATE CLEARANCE.

C2 TYPICAL COLUMN BLOCKOUT
SCALE: NTS

NOTE: AT CONTRACTOR'S OPTION, A PLASTIC JOINT FORMER MAY BE INSTALLED INSTEAD OF THE SAWCUT

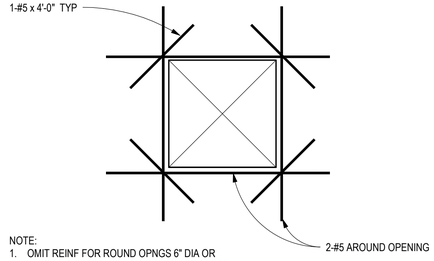


CONTROL JOINT



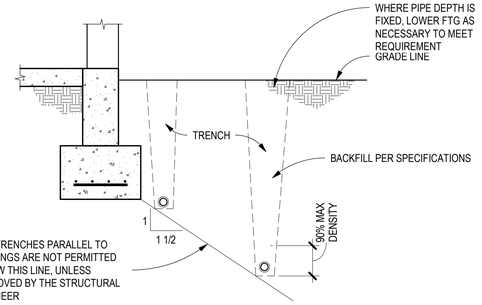
CONSTRUCTION JOINT

C3 TYPICAL SLAB JOINT
SCALE: NTS



NOTE:
1. OMIT REINF FOR ROUND OPNGS 6" DIA OR LESS AND RECTANGULAR OPNGS 4" OR LESS
2. PROVIDE BARS SHOWN ON EACH FACE AT WALL WITH DOUBLE MAT REINF

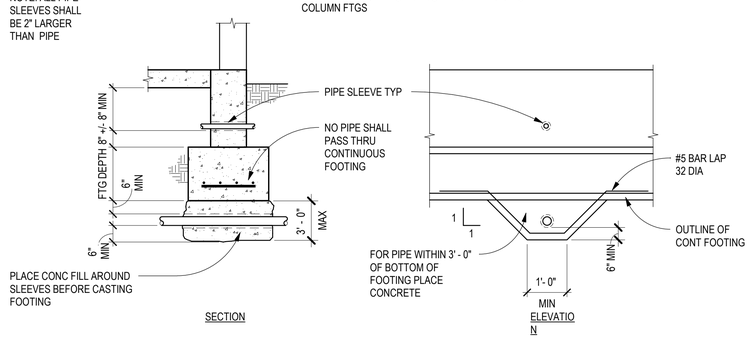
C4 TYPICAL OPNG IN CONC WALL
SCALE: NTS



PIPE AND TRENCHES PARALLEL TO FOOTINGS

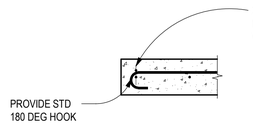
NOTES:
1. FOR PIPES MORES THAN 3' - 0" BELOW BOTTOM OF FTG USE COMPACTED FILL PER SPECIFICATIONS.
2. TRENCHES AND PIPES ARE NOT PERMITTED BELOW COLUMN FTGS

NOTE: ALL PIPE SLEEVES SHALL BE 2" LARGER THAN PIPE

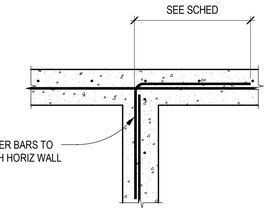


PIPE AND TRENCHES TRANSVERSE TO FOOTINGS

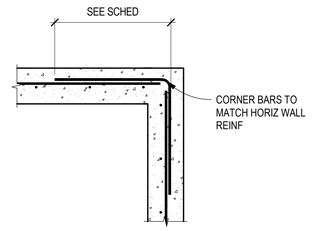
A1 TYPICAL PIPE PENETRATION AND TRENCH DETAILS
SCALE: NTS



END WALL



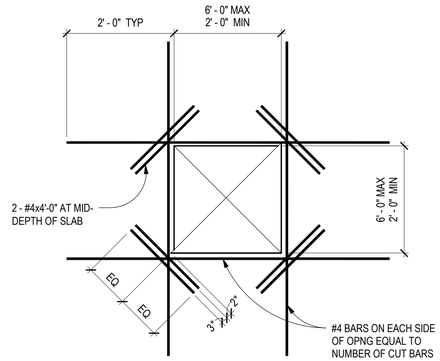
WALL TEE INTERSECTION



WALL CORNER

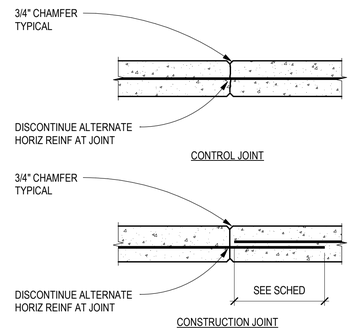
NOTE: REINFORCING SHOWN ON FOUNDATION SECTIONS AND SPECIFICALLY REFERENCED DETAILS SHALL TAKE GOVERN OVER REINFORCING IN STANDARD DETAILS.

A3 TYPICAL SINGLE MAT WALL REINF
SCALE: NTS



PLAN

B4 TYPICAL OPNG IN SLAB-ON-GRADE
SCALE: NTS



A4 TYPICAL WALL JOINT DETAIL
SCALE: NTS

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09/23/2025

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4700 Lincoln Road NE, Albuquerque, NM 87109
505.344.4080 505-343-8759 (fax)

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SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

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BERNALILLO, NM

PROJECT NO.:	R314624.52
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REVIEWED BY:	GB
APPROVED BY:	GB

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TYPICAL CONCRETE DETAILS

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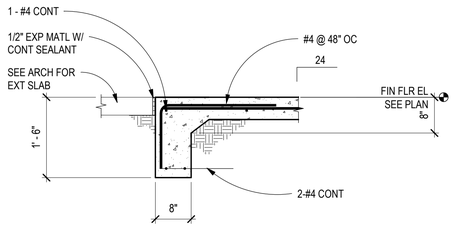
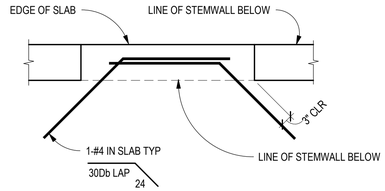


C3 TURNDOWN SLAB SECTION

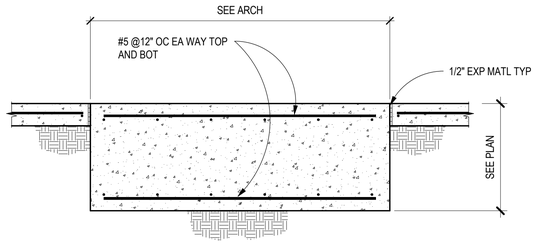
SCALE: 3/4" = 1'-0"



PLAN

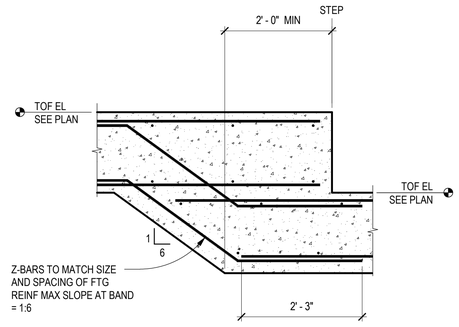
C4 TYPICAL SLAB REINF AT OPNG

SCALE: 3/4" = 1'-0"

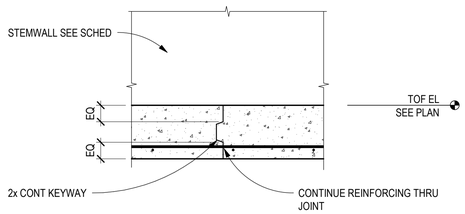


B3 ISOLATED EQUIPMENT PAD

SCALE: 3/4" = 1'-0"

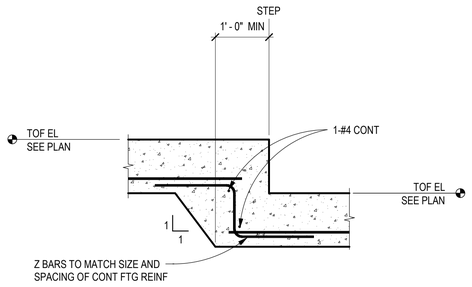


AT COMBINED COLUMN AND SHEAR WALL FOOTINGS



A3 TYPICAL CONT FTG BULKHEAD

SCALE: 3/4" = 1'-0"



AT STEMWALL AND NON-SHEAR WALL FOOTINGS

A4 TYPICAL STEPPED FOOTING DETAIL

SCALE: 3/4" = 1'-0"

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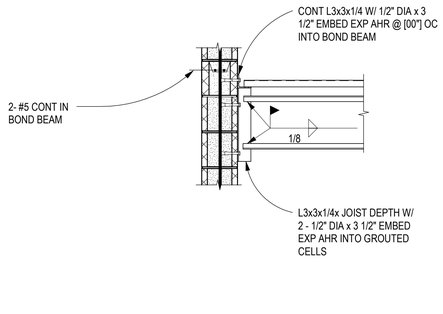
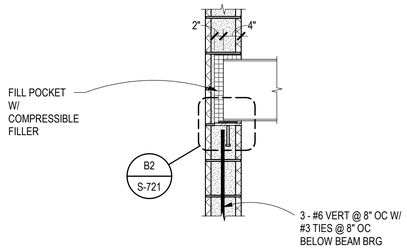
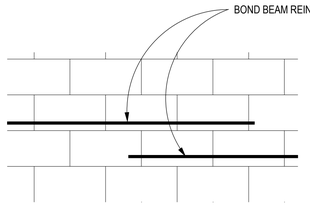


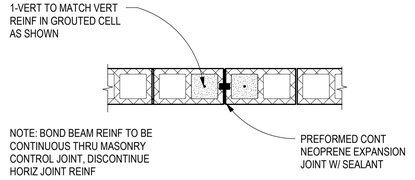
C1 ROOF NON-BEARING AT CMU WALL
SCALE: 3/4" = 1'-0"



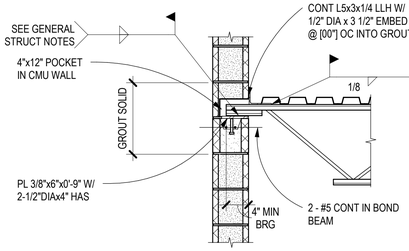
C2 TYPICAL GIRDER TO WALL SLIDE BRG
SCALE: 3/4" = 1'-0"



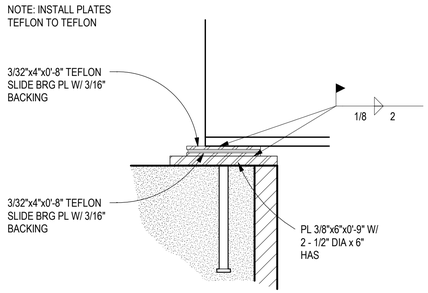
C3 TYPICAL STEP IN BOND BEAM
SCALE: 3/4" = 1'-0"



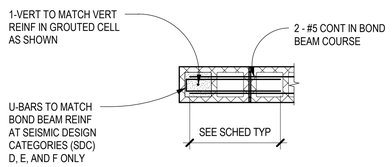
C4 TYPICAL CMU CNRTL JOINT (MCJ)
SCALE: 3/4" = 1'-0"



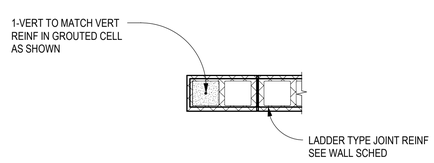
B1 K- SERIES JOIST TO CMU WALL
SCALE: 3/4" = 1'-0"



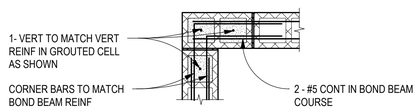
B2 TYPICAL SLIDE BRG CONN
SCALE: 1 1/2" = 1'-0"



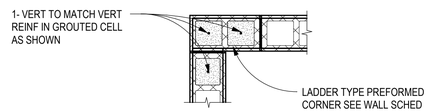
BOND BEAM AT WALL END



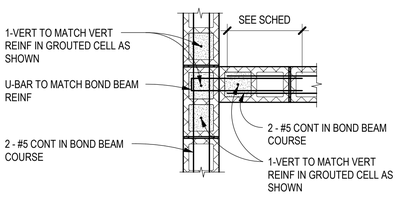
JOINT REINFORCING AT WALL END



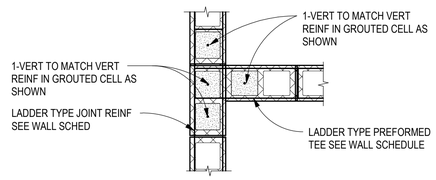
BOND BEAM AT WALL CORNER



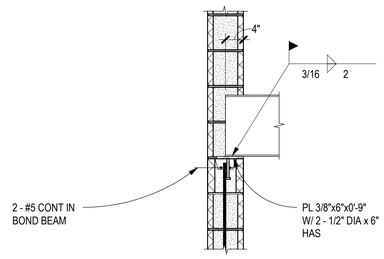
JOINT REINF AT WALL CORNER



BOND BEAM AT WALL TEE



JOINT REINFORCING AT WALL TEE



A1 TYPICAL GIRDER TO CMU WALL
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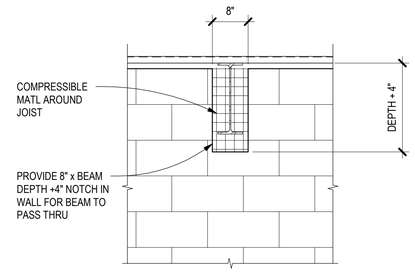

A2 TYPICAL BEAM THRU CMU WALL
SCALE: 3/4" = 1'-0"

A3 TYPICAL 8" CMU PLAN DETAILS
SCALE: 3/4" = 1'-0"

A5 TYPICAL 8" CMU PLAN DETAILS
SCALE: 3/4" = 1'-0"

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TYPICAL MASONRY DETAILS

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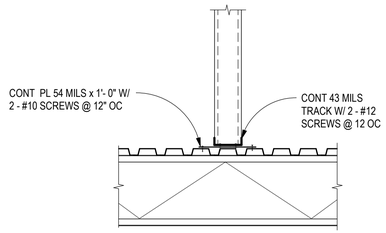
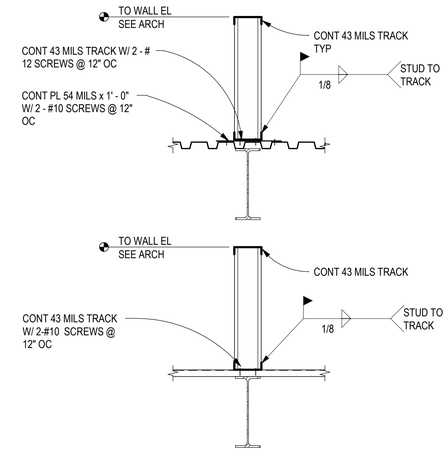


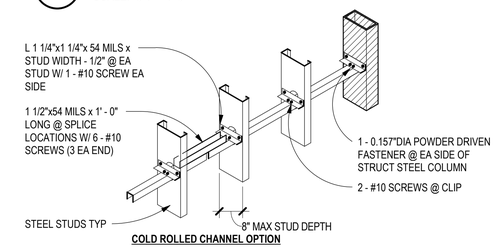
B1 TYPICAL STUD AT METAL DECK

SCALE: 3/4" = 1'-0"



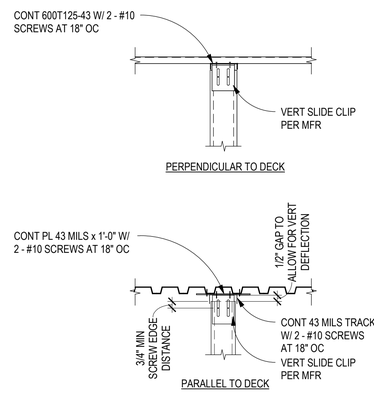
C2 TYPICAL PARAPET TO DECK

SCALE: 3/4" = 1'-0"



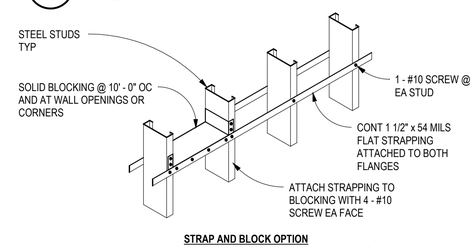
B2 TYPICAL BRIDGING DETAILS

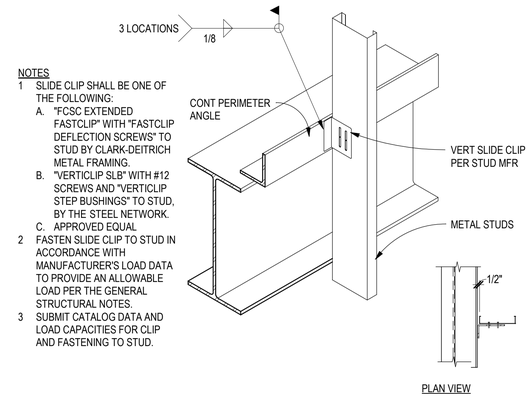
SCALE: NTS



C3 TYPICAL SLIP TRACK ASSEMBLY

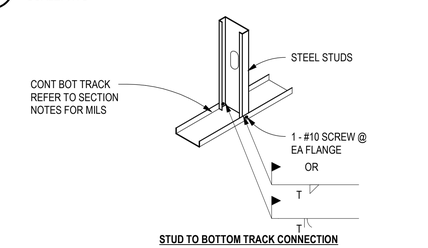
SCALE: NTS





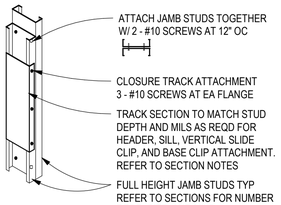
C4 TYPICAL VERTICAL SLIDE CLIP

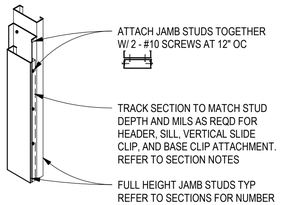
SCALE: NTS

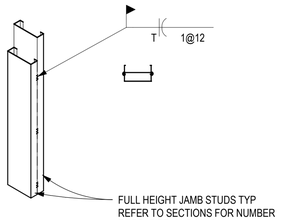


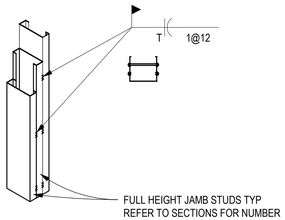
B4 TYPICAL STUDS TO TRACK DETAIL

SCALE: NTS



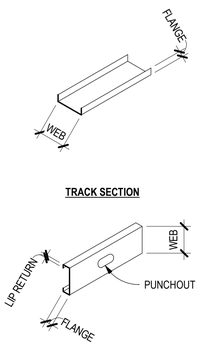




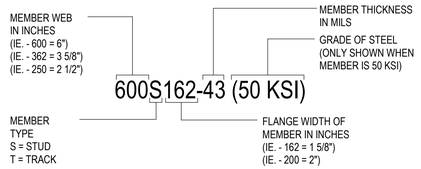


A1 TYPICAL STUD JAMB ATTACHMENT DETAILS

SCALE: NTS



MILS TO GAGE CONVERSION CHART	
MILS	GAGE
33 MILS	20 GAGE
43 MILS	18 GAGE
54 MILS	16 GAGE
68 MILS	14 GAGE
97 MILS	12 GAGE



A4 TYPICAL COLD-FORMED MEMBER DESIGNATION

SCALE: NTS

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SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA RD
BERNALILLO, NM

PROJECT NO.:	R314624.52
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REVIEWED BY:	GB
APPROVED BY:	GB

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TYPICAL COLD-FORMED DETAILS

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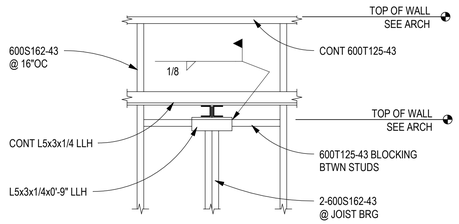
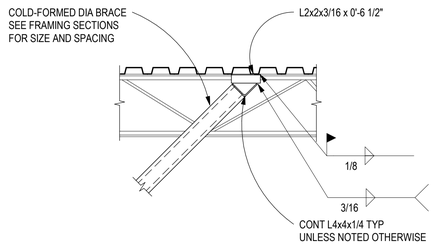
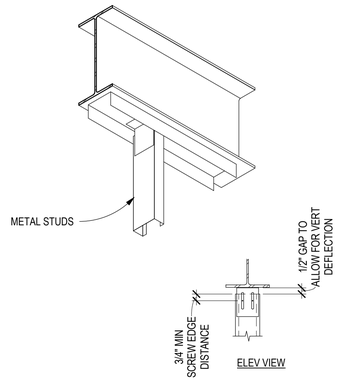


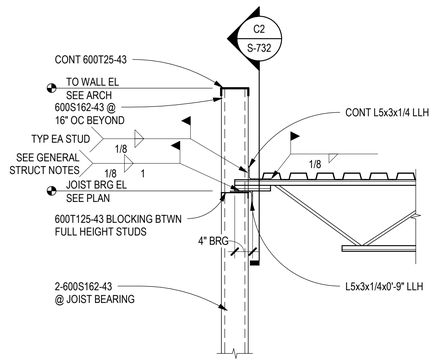
C2 JOIST BRG AT STUD WALL ELEV
SCALE: 3/4" = 1'-0"



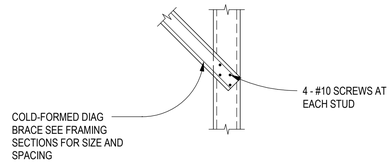
C3 TYPICAL DIAG BRACE TO DECK
SCALE: 3/4" = 1'-0"



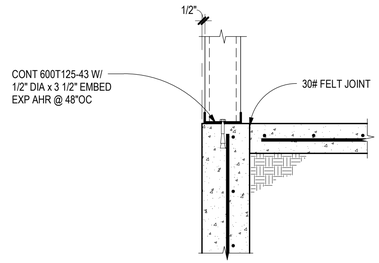
C4 TYPICAL SLIP TRACK ASSEMBLY
SCALE: NTS



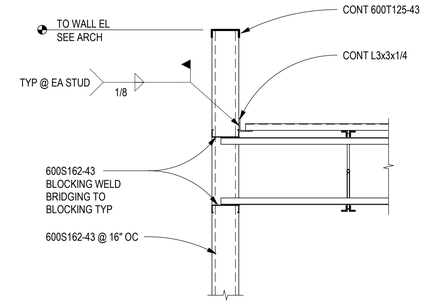
B2 JOIST BEARING AT MTL STUDS
SCALE: 3/4" = 1'-0"



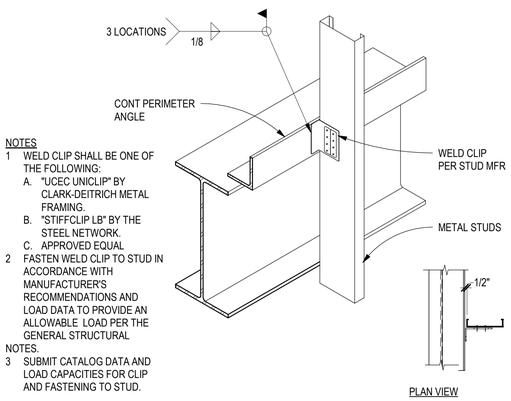
B3 TYPICAL DIAG STUD LAP DETAIL
SCALE: 3/4" = 1'-0"



B4 TYPICAL STUDS AT STEMWALL
SCALE: 1" = 1'-0"

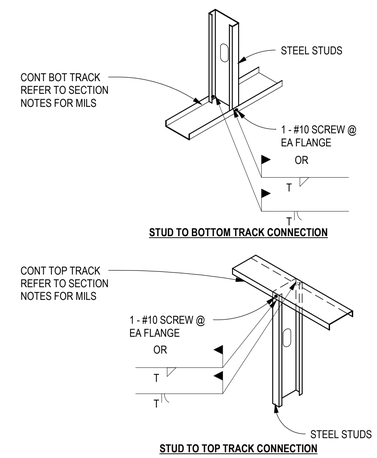


A2 NON-BEARING AT METAL STUDS
SCALE: 3/4" = 1'-0"



NOTES
1 WELD CLIP SHALL BE ONE OF THE FOLLOWING:
A. "UCEC UNICLIP" BY CLARK-DEITRICH METAL FRAMING.
B. "STIFFCLIP LB" BY THE STEEL NETWORK.
C. APPROVED EQUAL
2 FASTEN WELD CLIP TO STUD IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND LOAD DATA TO PROVIDE AN ALLOWABLE LOAD PER THE GENERAL STRUCTURAL
NOTES:
3 SUBMIT CATALOG DATA AND LOAD CAPACITIES FOR CLIP AND FASTENING TO STUD.

A3 TYPICAL WELD CLIP
SCALE: NTS



A4 TYPICAL STUDS TO TRACK DETAIL
SCALE: NTS

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4700 Lincoln Road NE, Albuquerque, NM 87109
505.344.4080 505-343-8759 (fax)

SANDOVAL COUNTY · STATE OF NEW MEXICO

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA RD
BERNALILLO, NM

PROJECT NO.:	R314624.52
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REVIEWED BY:	GB
APPROVED BY:	GB

ISSUE DRAWING LOG:

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TYPICAL COLD-FORMED DETAILS

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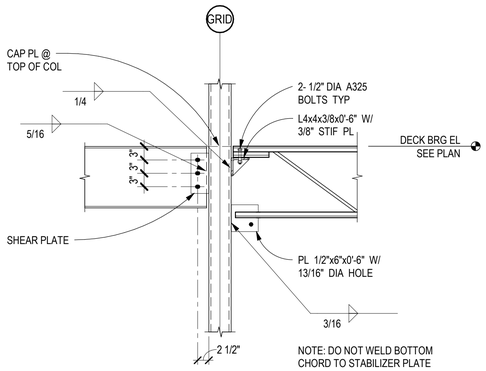
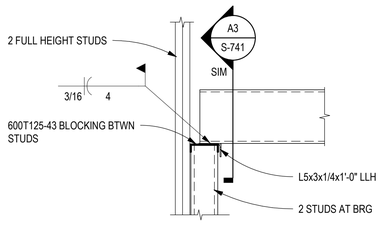
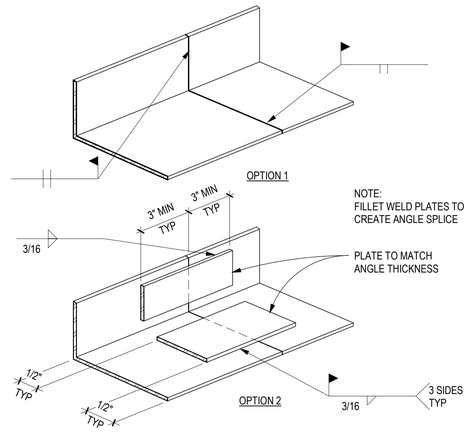


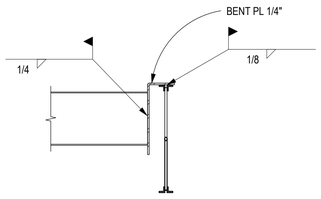
C2 BEAM/JOIST TO COLUMN CONN
SCALE: 3/4" = 1'-0"



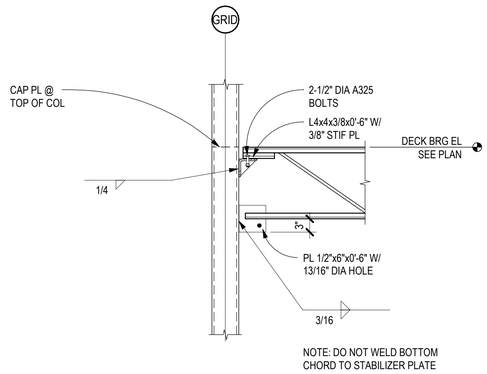
C3 BEAM BRG AT STUD WALL CONN
SCALE: 3/4" = 1'-0"



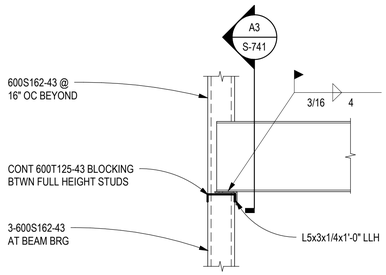
C4 TYPICAL PERIMETER ANGLE SPLICE
SCALE: 3/4" = 1'-0"



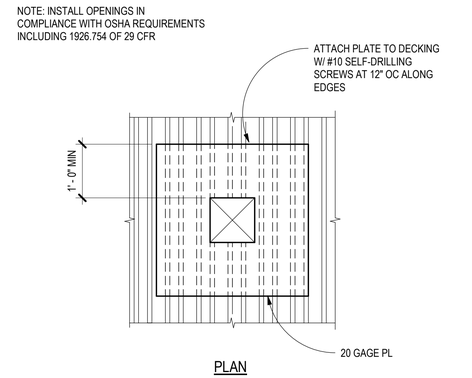
B1 BEAM TO JOIST CONNECTION
SCALE: 3/4" = 1'-0"



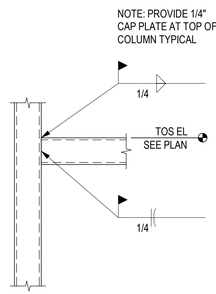
B2 JOIST TO HSS COLUMN CONN
SCALE: 3/4" = 1'-0"



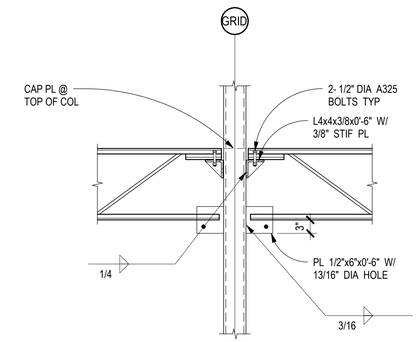
B3 BEAM BRG AT STUD WALL CONN
SCALE: 3/4" = 1'-0"



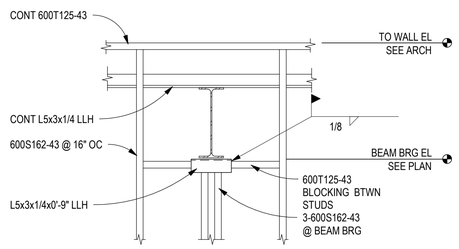
B4 TYPICAL ROOF OPENING 0"-12"
SCALE: 3/4" = 1'-0"



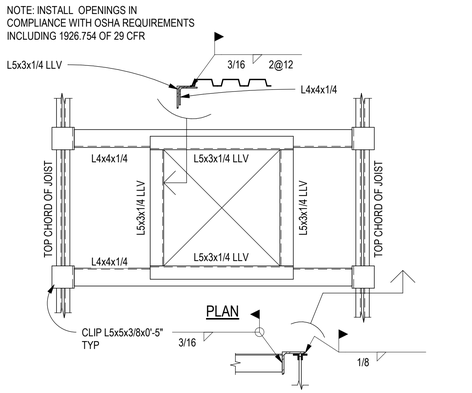
A1 HSS BEAM TO HSS COLUMN
SCALE: 3/4" = 1'-0"



A2 JOISTS TO COLUMN CONN
SCALE: 3/4" = 1'-0"



A3 BEAM BRG AT STUD ELEV
SCALE: 3/4" = 1'-0"



A4 TYPICAL ROOF OPENING > 12"
SCALE: 3/4" = 1'-0"

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09/23/2025

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4700 Lincoln Road NE, Albuquerque, NM 87109
505.344.4080 505-343-8759 (fax)

SANDOVAL COUNTY · STATE OF NEW MEXICO

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA RD
BERNALILLO, NM

PROJECT NO.:	R314624.52
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APPROVED BY:	GB

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TYPICAL STEEL DETAILS

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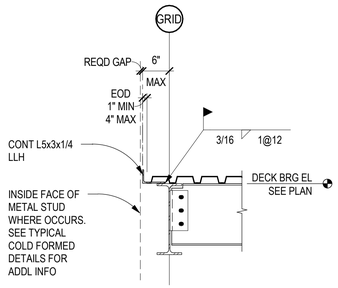
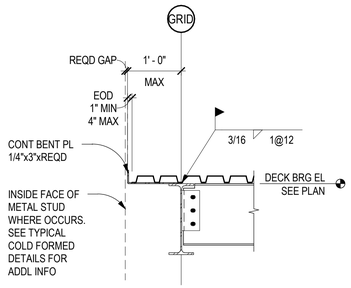


TYPE A



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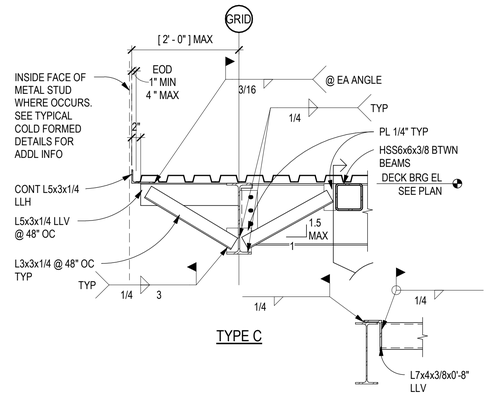
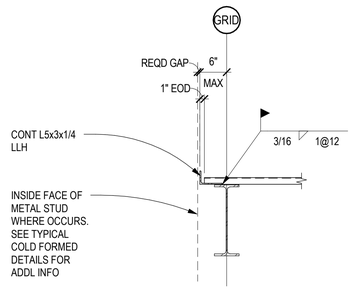


TYPE C

B2 TYPICAL DECK EDGE AT NON-BEARING BEAM

SCALE: 3/4" = 1'-0"



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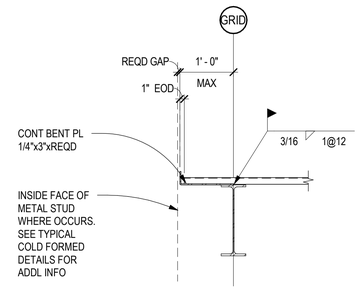

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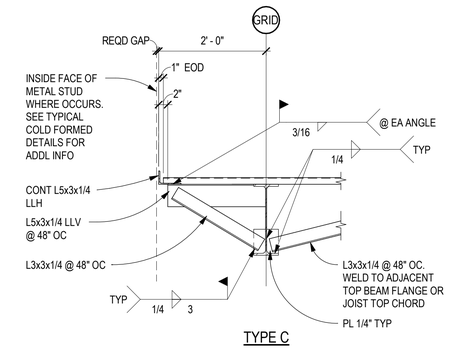

TYPE C

A2 TYPICAL ROOF DECK EDGE AT NON-BEARING BEAM

SCALE: 3/4" = 1'-0"

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APPROVED BY:	GB

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TYPICAL STEEL DETAILS

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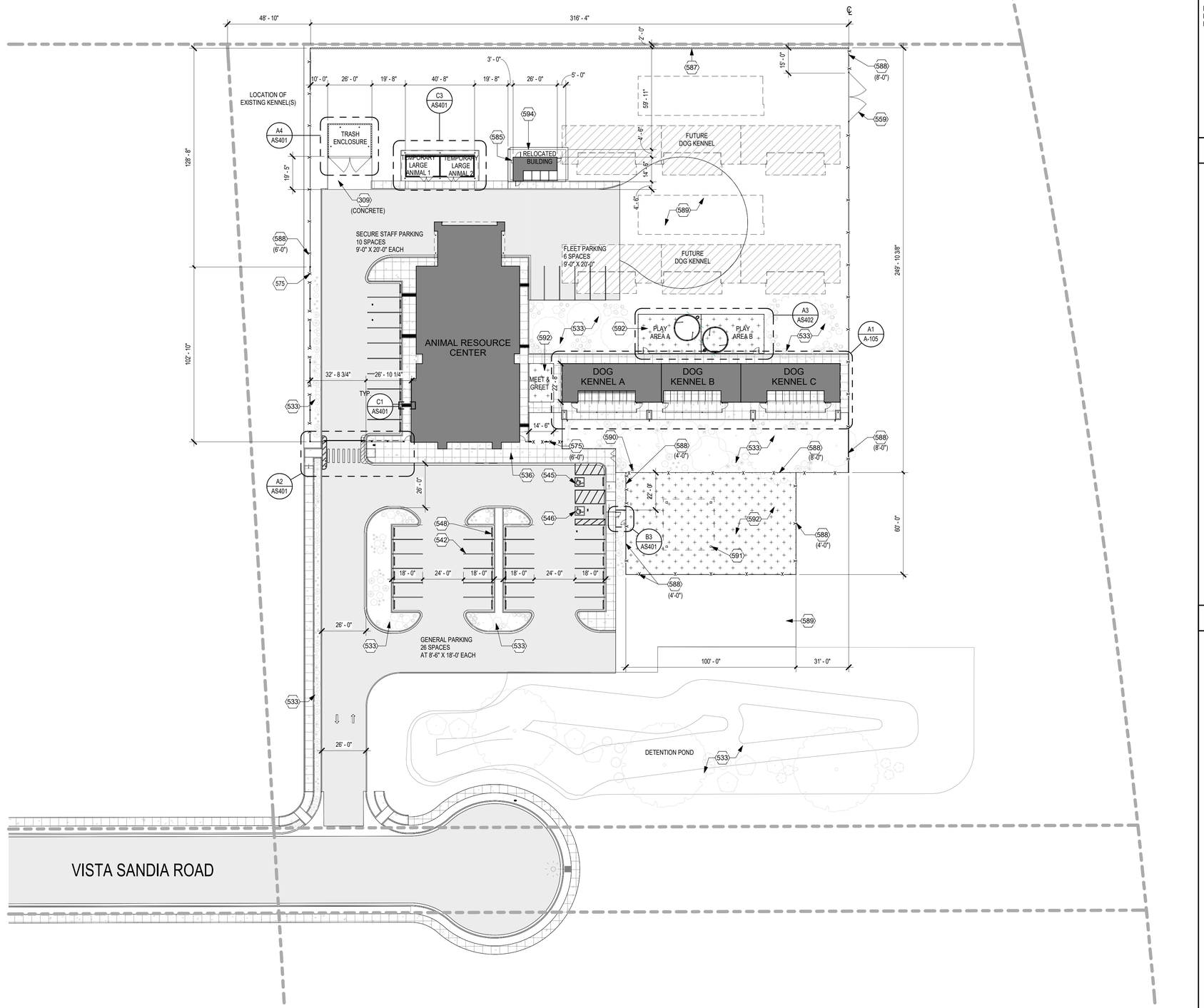

A1 **SITE PLAN**
1" = 30'-0"

PLAN NORTH / TRUE NORTH

0' 15' 30' 60'
SCALE 1" = 30'

GENERAL NOTES

A. FIELD VERIFY ALL DIMENSIONS AND CONDITIONS. IF ANY DISCREPANCIES ARE FOUND, THE ARCHITECT SHALL BE NOTIFIED PRIOR TO START OF WORK.
B. ALL SIDEWALKS 5'-0" WIDE UNLESS NOTED OTHERWISE.
C. SCALING THE DRAWING IS PROHIBITED, CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE, AND IF ANY DISCREPANCIES ARE FOUND, THE ARCHITECT SHALL BE NOTIFIED PRIOR TO START OF WORK.
D. REFER TO ELECTRICAL SITE PLAN FOR ALL SITE LIGHTING LOCATIONS AND ELECTRICAL UTILITIES.
E. REFER TO CIVIL DRAWINGS FOR GRADING AND SITE UTILITIES AND ADDITIONAL SITE INFORMATION.
F. REFER TO LANDSCAPE DRAWINGS FOR PLANING AND IRRIGATION SYSTEMS DESIGN.

SHEET KEYNOTES

309 PAVING. SEE CIVIL
533 LANDSCAPING.
536 CONCRETE FLATWORK. SEE CIVIL.
542 PAINTED PARKING STRIPPING (PER NMDOT STANDARDS)
545 ACCESSIBLE PARKING SIGN. A1/AS401
546 ACCESSIBLE PARKING SIGN (VAN ACCESSIBLE). A1/AS401
548 CONCRETE WHEEL STOP.
559 INSTALL 15' DOUBLE SWING GATE PER DETAIL A3 ON SHEET C-501
575 SECURITY STEEL FENCING - DESIGN MASTER "CONTEMPO" FENCE SYSTEM.
585 WATER AND ELECTRICAL CONNECTION, SEE CIVIL C-301 AND ELECTRICAL ES-101.
587 6'-0" MASONRY WALL PER DETAIL B3 ON SHEET C-501.
588 MINI MESH CHAINLINK FENCE.
589 ALL WEATHER SURFACE. SEE CIVIL
590 FROST FREE YARD HYDRANT.
591 24'x30" HIP SHELTER; STEELWORX MODEL #HP-2434-SW-4P.
592 SYNTHETIC GRASS SURFACE; REFER TO SPECIFICATION SECTION 321813.
594 6" CONCRETE PAD; #4 REBAR EW WITH 12" WIDE AND 18" DEEP STEMWALLS ON ALL SIDES. PREPARE SUBGRADE PER GENERAL STRUCTURAL NOTES.

LEGEND

PAVEMENT
FUTURE EXPANSION
ARTIFICIAL TURF
SIDEWALKS
PROPERTY LINE
4'-0" FENCE; MINIMESH CHAIN LINK
8'-0" DESIGNMASTER CONTEMPO FENCE SYSTEM

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STATE OF NEW MEXICO
LAWRENCE D. McDONALD
No. 4238
REGISTERED ARCHITECT
09/23/2025

SANDOVAL COUNTY · STATE OF NEW MEXICO

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA RD
BERNALILLO, NM

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REVIEWED BY:	STAFF
APPROVED BY:	STAFF

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1	12/23/2024	Design Development

SITE PLAN

AS101

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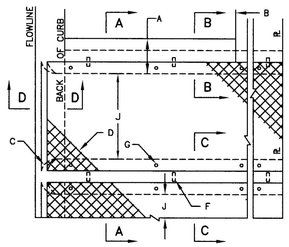
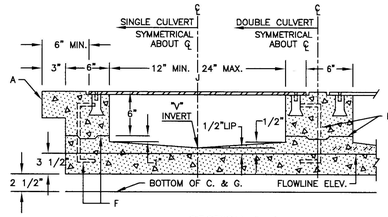
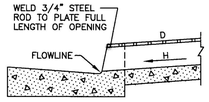


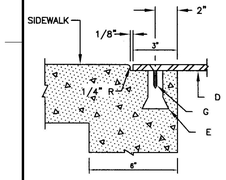
PLAN
SINGLE AND OR MULTIPLE CULVERT



SECTION A–A



SECTION D–D



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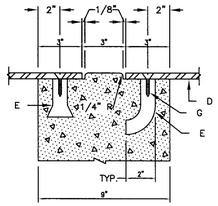

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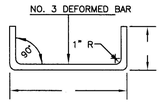


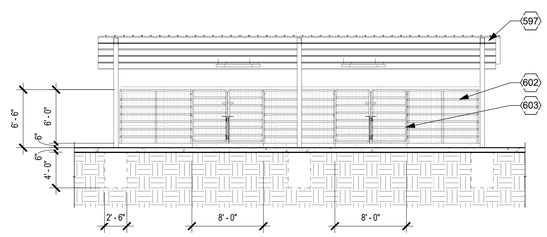
DOWEL DETAIL

SIDEWALK CULVERT NOTES:

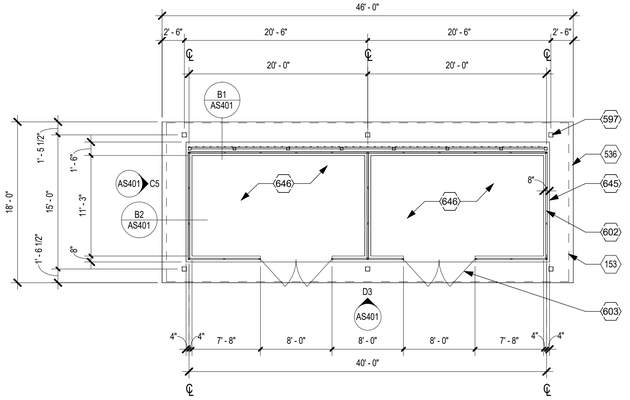
1. PLACING OF DRAIN THRU EXIST. SIDEWALK AND CURB & GUTTER REQUIRES THAT ENTIRE SIDEWALK AND C & G STONES BE REMOVED AND REPLACED AS DETAILED HEREIN.
2. BOTTOM SLAB OF CULVERT SHALL BE POURED MONOLITHICALLY WITH NEW GUTTER.
3. THE INVERT SHALL BE TROWELED TO PRODUCE A HARD POLISHED SURFACE OF MAX. DENSITY AND SMOOTHNESS. INVERT SHALL BE V–SHAPED TO WITHIN 3" OF OUTLET, THEN WARPED TO PARALLEL FLOWLINE AT OUTLET, UNLESS OTHERWISE SHOWN.
4. ALL EXPOSED CONC. SURFACE SHALL MATCH GRADE, COLOR, FINISH AND SCORING OF ADJACENT CURB AND SIDEWALK.
5. SIDEWALK REPLACED DURING CONSTRUCTION SHALL BE POURED MONOLITHICALLY WITH CULVERT WALLS.
6. IF ROD ANCHORS ARE USED, DRILL & TAP FOR F.H. MACHINE SCREW. ATTACH ANCHORS TO PLATE AND SECURE PLATE IN PLACE PRIOR TO POURING OF WALLS.
7. LENGTH OF EACH PLATE SHALL BE SUCH THAT THE WEIGHT WILL NOT EXCEED 300 LBS. AND SHALL BE STRESS RELIEVED AFTER FABRICATION. CLEAN SURFACE OF PLATE AND FRAMING MEMBERS AND PAINT W/ ONE SHOP COAT RED OXIDE AND TWO FINISH COATS ALUMINUM PAINT (AASHTO M 69).

SIDEWALK CULVERT CONSTRUCTION NOTES:

A. MATCH NEAREST CONTROL JOINT, INSTALL 1/2" EXPANSION JOINT.
B. EDGE OF SIDEWALK OR SETBACK (VARIABLE).
C. 3" RADIUS (TYPICAL).
D. 3/8" CHECKERED STEEL PLATE (PAINT PER NOTE 7, ABOVE).
E. FOR SECURING PLATE USE 1" X 5" S.S. ROD ANCHOR, "RED HEAD MULTI–SET II SRM–38 ANCHOR" OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S INSTRUCTIONS AT MAX. 24" O.C., A MINIMUM OF 2 PER SIDE AND ONE WITHIN 6" OF EACH END.
F. CONSTRUCTION JOINT IS OPTIONAL. IF USED, SPACE DOWELS AT 18" O.C. MAX., 1 1/2" MINIMUM FROM FACE OF CONCRETE.
G. 3/8" – 16 X 1 1/4" COUNTERSUNK, F.H., STAINLESS STEEL, MACHINE SCREW.
H. SLOPE 1/4" PER FT. MIN.
J. DRAIN WIDTH PER PLAN (12" MIN., 24" MAX.).

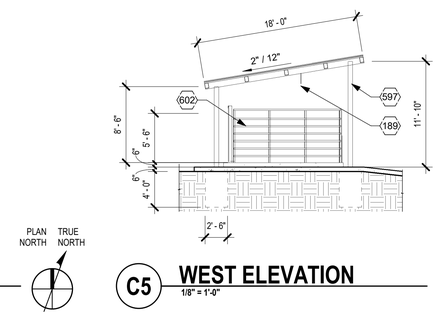


D3 SOUTH ELEVATION
1/8" = 1'-0"

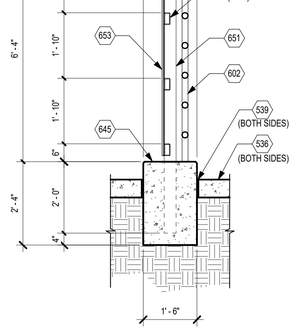


C3 TEMPORARY LARGE ANIMAL
1/8" = 1'-0"

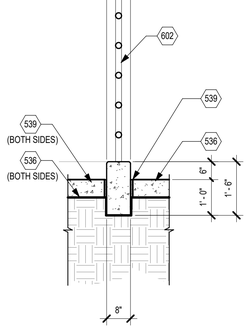
PLAN NORTH / TRUE NORTH



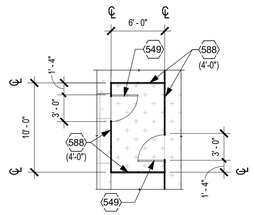
C5 WEST ELEVATION
1/8" = 1'-0"

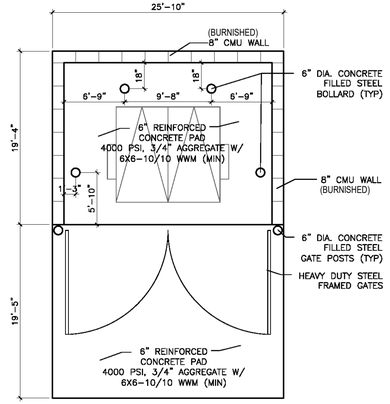


B1 FENCE CURB DETAIL
1/2" = 1'-0"



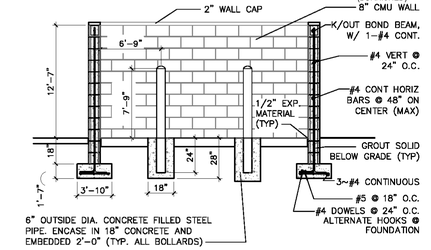
B2 FENCE CURB DETAIL
1/2" = 1'-0"

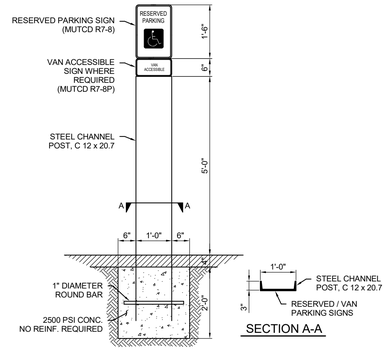




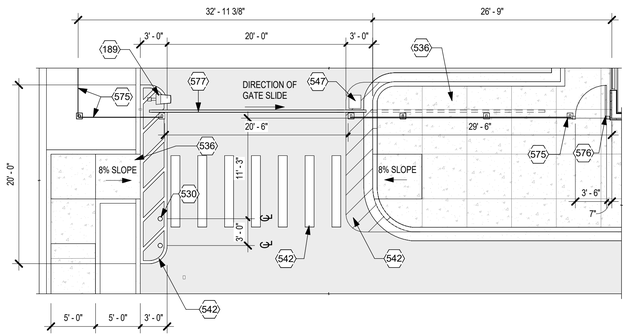
PLAN NORTH / TRUE NORTH

B3 DOG PARK ACCESS
1/8" = 1'-0"

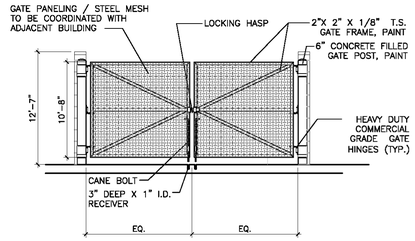




A1 ADA SIGNAGE
1/2" = 1'-0"

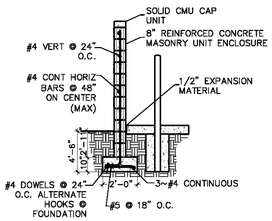


A2 SLIDING GATE
1/8" = 1'-0"



PLAN NORTH / TRUE NORTH

A4 TRASH ENCLOSURE DETAILS
1/8" = 1'-0"



GENERAL NOTES

A. FIELD VERIFY ALL DIMENSIONS AND CONDITIONS. IF ANY DISCREPANCIES ARE FOUND, THE ARCHITECT SHALL BE NOTIFIED PRIOR TO START OF WORK.
B. ALL SIDEWALKS 5'-0" WIDE UNLESS NOTED OTHERWISE.
C. SCALING THE DRAWING IS PROHIBITED, CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE, AND IF ANY DISCREPANCIES ARE FOUND, THE ARCHITECT SHALL BE NOTIFIED PRIOR TO START OF WORK.
D. REFER TO ELECTRICAL SITE PLAN FOR ALL SITE LIGHTING LOCATIONS AND ELECTRICAL UTILITIES.
E. REFER TO CIVIL DRAWINGS FOR GRADING AND SITE UTILITIES AND ADDITIONAL SITE INFORMATION.
F. REFER TO LANDSCAPE DRAWINGS FOR PLANING AND IRRIGATION SYSTEMS DESIGN.

SHEET KEYNOTES

153	DASHED LINE INDICATES ROOF ABOVE.
189	ELECTRICAL LIGHT FIXTURE.
530	6" DIA. CONCRETE BOLLARD COLORED, "SAFETY YELLOW".
536	CONCRETE FLATWORK. SEE CIVIL.
539	EXPANSION JOINT FILLER.
542	PAINTED PARKING STRIPPING (PER NMDOT STANDARDS)
547	SLIDING GATE OPERATOR.
549	4'-0" TALL VINYL COATED CHAINLINK GATE. OPAQUE PRIVACY SCREEN ON GATE PANEL ONLY.
575	SECURITY STEEL FENCING - DESIGN MASTER "CONTEMPO" FENCE SYSTEM.
576	VALLEY FENCING - "ALICE" GATE; OR APPROVED EQUAL.
577	SLIDING SECURITY GATE.
588	MINI MESH CHAINLINK FENCE.
597	FURNISH AND INSTALL 18X45 MONOSLOPE SHELTER. AS AVAILABLE FROM STEELWORX. MODEL #MO-1845-SW-212-9E.
602	6' TALL HEAVY DUTY PIPE FENCING; 7 RAILS.
603	6' TALL HEAVY DUTY PIPE GATE; 7 RAILS.
645	CONCRETE CURB.
646	DIRT INFILL.
651	4" X 4" TUBE STEEL.
652	2" X 4" TUBE STEEL.
653	24 GA. STEEL PANEL.
654	3" X 5" STEEL ANGLE.

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STATE OF NEW MEXICO
LAWRENCE D. McDONALD
No. 4238
REGISTERED ARCHITECT
09/23/2025

SANDOVAL COUNTY · STATE OF NEW MEXICO ·

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA RD
BERNALILLO, NM

PROJECT NO.:	R314624.52
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
4	09/23/2025	100% CDs
3	07/25/2025	95% CDs
2	05/16/2025	70% CDs
1	12/23/2024	Design Development

SITE ENLARGED PLAN, AND DETAILS

AS401

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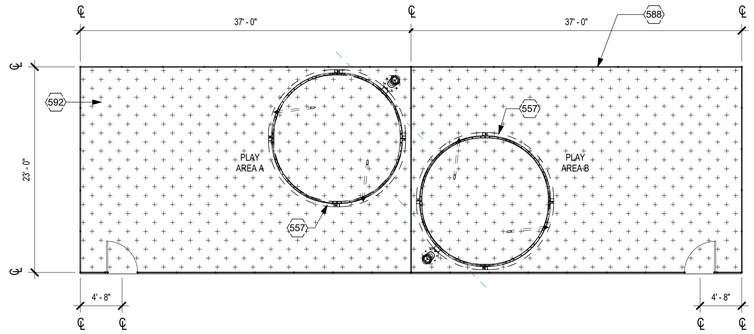
GENERAL NOTES

A. FIELD VERIFY ALL DIMENSIONS AND CONDITIONS. IF ANY DISCREPANCIES ARE FOUND, THE ARCHITECT SHALL BE NOTIFIED PRIOR TO START OF WORK.
B. ALL SIDEWALKS 5'-0" WIDE UNLESS NOTED OTHERWISE.
C. SCALING THE DRAWING IS PROHIBITED, CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE, AND IF ANY DISCREPANCIES ARE FOUND, THE ARCHITECT SHALL BE NOTIFIED PRIOR TO START OF WORK.
D. REFER TO ELECTRICAL SITE PLAN FOR ALL SITE LIGHTING LOCATIONS AND ELECTRICAL UTILITIES.
E. REFER TO CIVIL DRAWINGS FOR GRADING AND SITE UTILITIES AND ADDITIONAL SITE INFORMATION.
F. REFER TO LANDSCAPE DRAWINGS FOR PLANING AND IRRIGATION SYSTEMS DESIGN.

SHEET KEYNOTES

557 LINE OF SHADE STRUCTURE ABOVE; USA SHADE CANTILIVER DISC OR APPROVED EQUAL.
588 MINI MESH CHAINLINK FENCE.
592 SYNTHETIC GRASS SURFACE; REFER TO SPECIFICATION SECTION 321813.



A3 **PLAY AREA**
1/8" = 1'-0"

PLAN NORTH TRUE NORTH

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MARK	DATE	DESCRIPTION
3	09/23/2025	100% CDs
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1	05/16/2025	70% CDs

SITE ENLARGED PLAN, AND DETAILS

AS402

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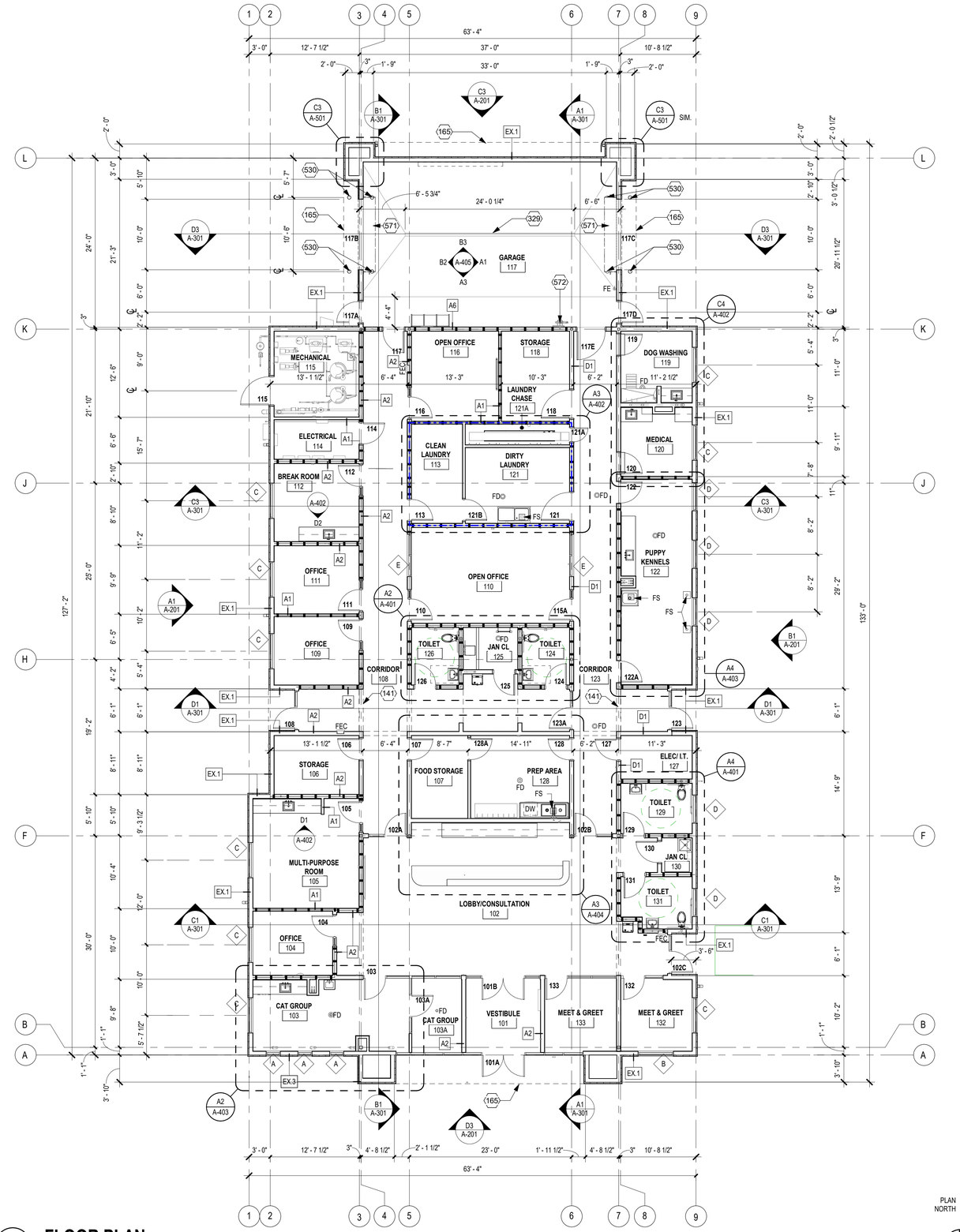

A2 **FLOOR PLAN**
1/8" = 1'-0"

GENERAL NOTES

A. ALL CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE CURRENT ADOPTED EDITION, STATE OF NEW MEXICO BUILDING CODE, AND ALL OTHER GOVERNING CODES AND AGENCIES.
B. CONTRACTOR SHALL REVIEW AND COORDINATE ALL CONTRACT DOCUMENTS.
C. CONTRACTOR SHALL REFER TO ANNOTATIVE DIMENSIONS ONLY - DO NOT SCALE DRAWINGS.
D. MAXIMUM EFFORT TO OPENING ANY DOOR SHALL NOT EXCEED 5 POUNDS PRESSURE FOR INTERIOR NON-RATED DOORS, 8 1/2 POUNDS PRESSURE FOR EXTERIOR DOORS, AND 15 POUNDS PRESSURE FOR FIRE-RATED DOORS.
E. ALL PRODUCTS MARKED "OR APPROVED EQUAL" SHALL BE APPROVED BY THE ARCHITECT AND OWNER PRIOR TO PURCHASING AND INSTALLATION OF WORK AND SHALL MEET THE REQUIREMENTS OF ALL GOVERNING CODES AND AGENCIES.
F. FOR ALL MOUNTED EQUIPMENT/FIXTURES PROVIDE BLOCKING AND FRAMING REINFORCEMENT AND SUPPORT TO BE INSTALLED.
G. ALL PIPING SHALL BE LABELED WITH DIRECTIONAL ARROWS EVERY 20 FEET AND AT ALL WALL PENETRATIONS. ACCESS PANELS SHALL BE PROVIDED AT ALL VALVES AND CONTROLS CONCEALED IN HARD CONSTRUCTION.
H. REFER TO SHEET A-604 FOR FINISH SCHEDULE.
I. REFER TO ENLARGED PLANS FOR WALL TYPES AND DIMENSIONS WITHIN DETAILED AREAS.
J. SEAL ALL EXTERNAL CRACKS, JOINTS, PENETRATIONS, EDGES AND ENTRY POINTS WITH APPROPRIATE SEALANT. INSTALL RODENT AND CORROSION-PROOF SCREENS (COPPER OR STAINLESS STEEL) ON ALL OPENINGS GREATER THAN 1/4", EXCEPT WHERE CODE PROHIBITS THEIR INSTALLATION
K. INSTALL PORTS OR COVERED OPENINGS FOR ALL PLUMBING ELEMENTS THAT PENETRATE THE SLAB TO ALLOW ACCESS FOR INSPECTION AND TREATMENT OF PEST INFESTATIONS
L. INSTALL CORNER GUARDS AT ALL 90 DEGREE INTERSECTIONS OF INTERIOR WALLS.
M. APPLIANCES SHOWN (REFRIGERATORS, MICROWAVES) ARE PROVIDED BY OWNER AND CONTRACTOR INSTALLED.

SHEET KEYNOTES

141 DASHED LINE INDICATES HEADWALL ABOVE.
165 DASHED LINE INDICATES SOFFIT ABOVE.
329 PLUMBING FLOOR DRAIN.
530 6" DIA. CONCRETE BOLLARD COLORED, "SAFETY YELLOW".
571 OVERHEAD DOOR.
572 RECESSED HOSE REEL (HOT & COLD WATER).

LEGEND

WALL
WALL W/ SOUND ATTENUATION
NEW DOOR
ROOM NAME / 101 / Area — ROOM NAME / NUMBER / AREA

PLAN NORTH / TRUE NORTH

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REVIEWED BY:	STAFF
APPROVED BY:	STAFF

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1	12/23/2024	Design Development

FLOOR PLAN

A-101

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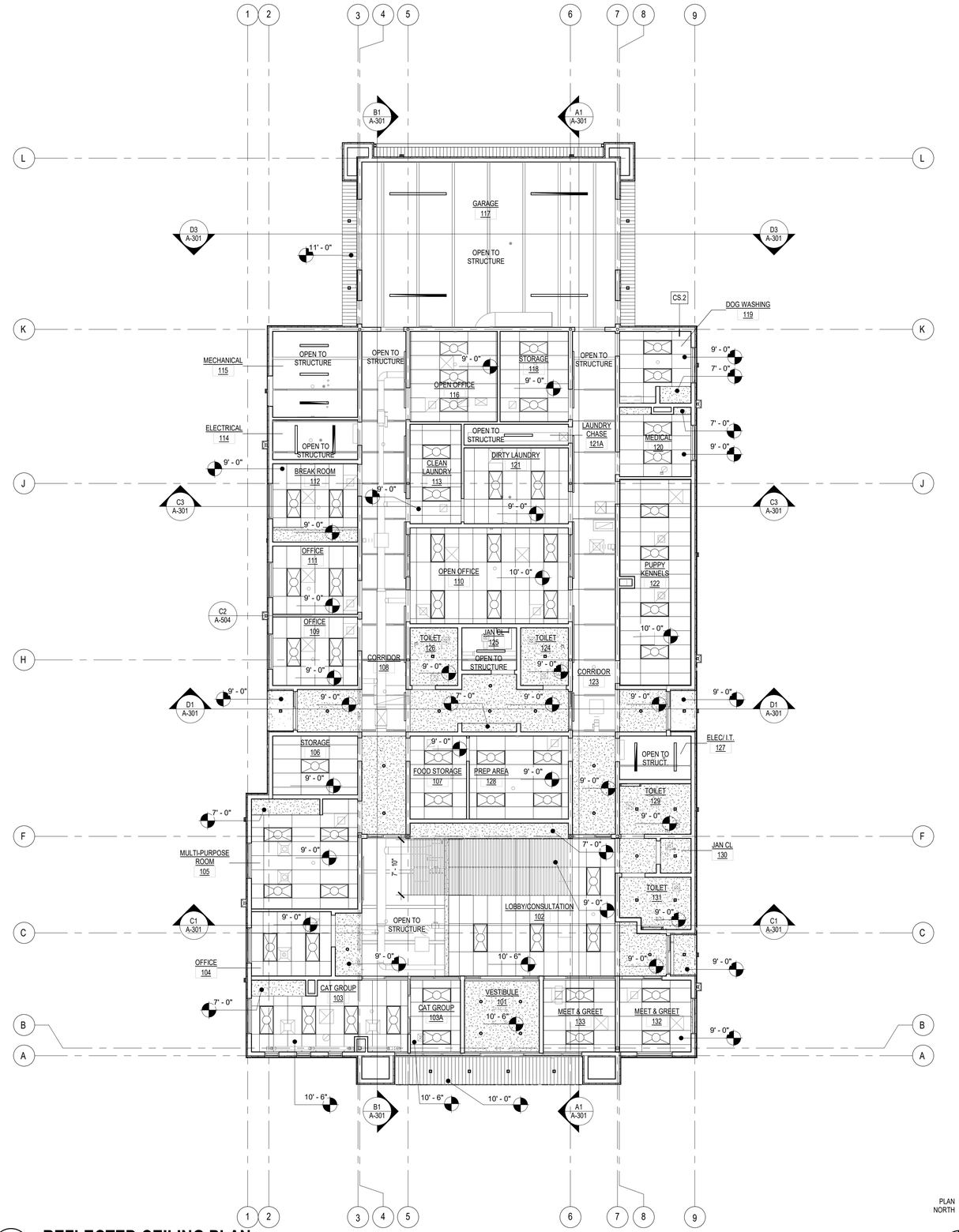

A2 REFLECTED CEILING PLAN

1/8" = 1'-0"

PLAN NORTH / TRUE NORTH

GENERAL NOTES

A. ALL CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE CURRENT ADOPTED EDITION, STATE OF NEW MEXICO BUILDING CODE, AND ALL OTHER GOVERNING CODES AND AGENCIES.
B. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE PRIOR TO STARTING THE WORK. ANY DISCREPANCIES AND/OR OMISSIONS IN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
C. CONTRACTOR SHALL REVIEW AND COORDINATE ALL CONTRACT DOCUMENTS.
D. CONTRACTOR SHALL REFER TO ANNOTATIVE DIMENSIONS ONLY - DO NOT SCALE DRAWINGS.
E. ALL REQUIRED EXIT DOORS SHALL BE OPERABLE FROM INSIDE WITHOUT A KEY OR SPECIAL KNOWLEDGE OR EFFORT.
F. MAXIMUM EFFORT TO OPENING ANY DOOR SHALL NOT EXCEED 5 POUNDS PRESSURE FOR INTERIOR NON-RATED DOORS, 8 1/2 POUNDS PRESSURE FOR EXTERIOR DOORS, AND 15 POUNDS PRESSURE FOR FIRE-RATED DOORS.
G. ALL PRODUCTS MARKED "OR APPROVED EQUAL" SHALL BE APPROVED BY THE ARCHITECT AND OWNER PRIOR TO PURCHASING AND INSTALLATION OF WORK AND SHALL MEET THE REQUIREMENTS OF ALL GOVERNING CODES AND AGENCIES.
H. FOR ALL MOUNTED EQUIPMENT/FIXTURES PROVIDE BLOCKING AND FRAMING AS RECOMMENDED BY THE MANUFACTURER. REQUIRED REINFORCEMENT AND SUPPORT SHALL BE INSTALLED BY THE CONTRACTOR.
I. ALL PIPING SHALL BE LABELED WITH DIRECTIONAL ARROWS EVERY 20 FEET AND AT ALL WALL PENETRATIONS. ACCESS PANELS SHALL BE PROVIDED AT ALL VALVES AND CONTROLS CONCEALED IN HARD CONSTRUCTION.
J. ALL THE SYMBOLS, ABBREVIATIONS, AND MATERIALS INDICATED ON THE 'G' AND 'A' SERIES SHEETS, APPLY ONLY TO THE ARCHITECTURAL SHEETS.
K. REFER TO SHEET A-101 FOR FINISH SCHEDULE.
L. PROTECT CAMERAS, T-STATS, EMERGENCY LIGHTING, AND FIXTURES WITH CLEAR PLASTIC COVERS DURING CONSTRUCTION.
M. REFER TO ENLARGED PLANS FOR WALL TYPES AND DIMENSIONS WITHIN DETAILED AREAS.
N. PROVIDE MOLD AND MOISTURE RESISTANT GYPSUM BOARD AT WALLS WITH PLUMBING FIXTURES.
O. SEAL ALL EXTERNAL CRACKS, JOINTS, PENETRATIONS, EDGES AND ENTRY POINTS WITH APPROPRIATE CAULKING. INSTALL RODENT AND CORROSION-PROOF SCREENS (COPPER OR STAINLESS STEEL) ON ALL OPENINGS GREATER THAN 1/4", EXCEPT WHERE CODE PROHIBITS THEIR INSTALLATION
P. INSTALL PORTS OR COVERED OPENINGS FOR ALL PLUMBING ELEMENTS THAT PENETRATE THE SLAB TO ALLOW ACCESS FOR INSPECTION AND TREATMENT OF PEST INFESTATIONS
Q. SLOPE CONCRETE TO DRAIN IN TOILET ROOMS.
R. APPLIANCES SHOWN (REFRIGERATORS, MICROWAVES) ARE PROVIDED BY THE OWNER AND CONTRACTOR INSTALLED.
S. REFER TO FLOOR PLAN FOR 4' HIGH CORNER GUARDS LOCATIONS AND CG LABEL.
T. PROVIDE 4' HIGH CORNER GUARDS AT GYPSUM BOARD WALLS AT ALL CORNERS AND END WALL CONDITIONS.

LEGEND

REFER TO MECHANICAL AND ELECTRICAL SHEETS FOR FIXTURE SCHEDULE

- WALL
- 2X4 LIGHT
- SUSPENDED LIGHT
- WALL MOUNTED LIGHT
- SUSPENDED LIGHT FIXTURE
- RECESSED CANNED LIGHT FIXTURE
- 2x4 LAY-IN CEILING
- ACOUSTICAL CEILING BLADES (ARMSTRONG SOUNDSCAPES OR APPROVED EQUAL)
- GYPSUM BOARD CEILING
- OPEN TO STRUCTURE

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1	12/23/2024	Design Development

REFLECTED CEILING PLAN

A-102

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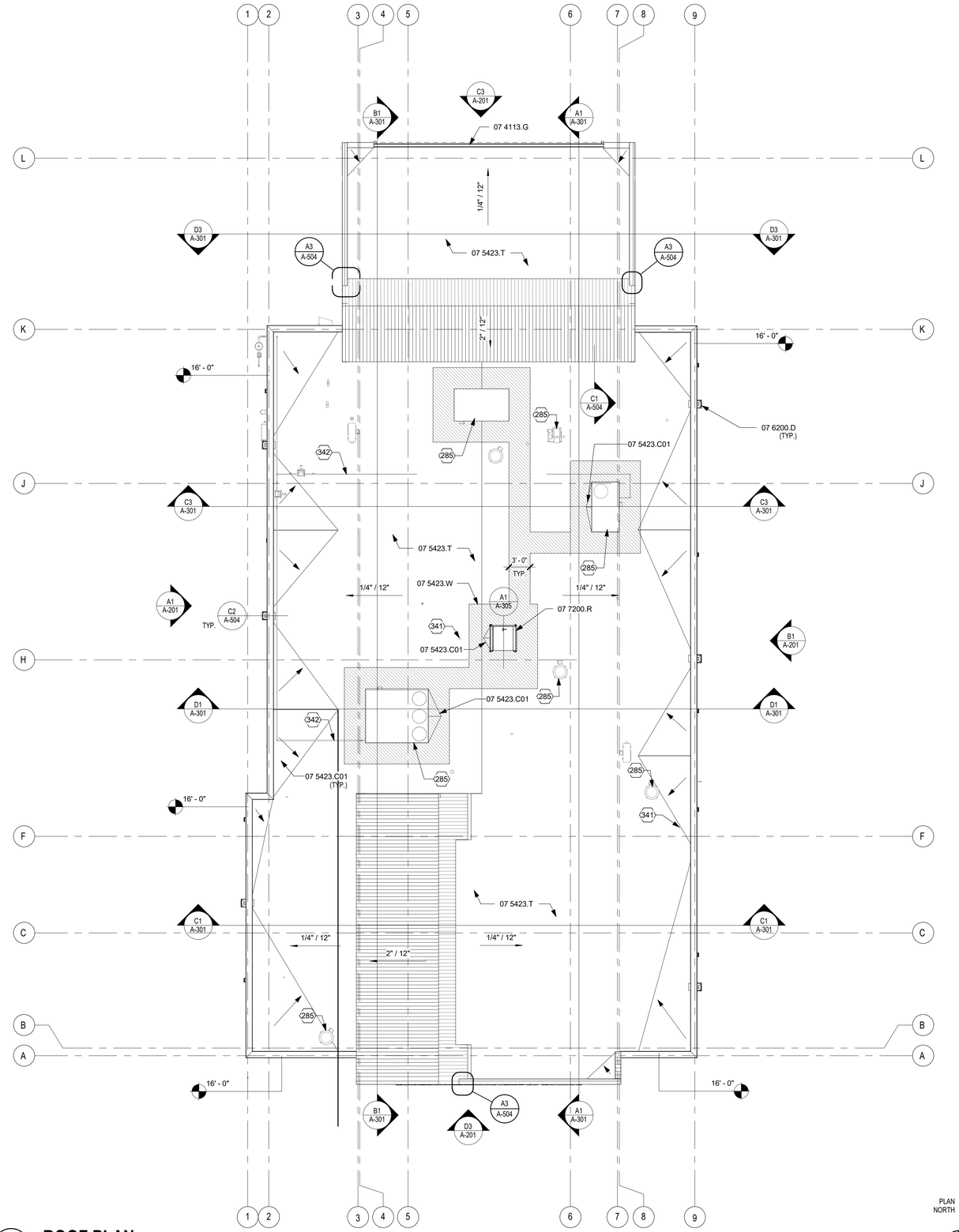


A2 **ROOF PLAN**
1/8" = 1'-0"

GENERAL NOTES

A. COORDINATE WITH MECHANICAL, ELECTRICAL, & PLUMBING.
B. PROTECT EXISTING (TPO) DURING CONSTRUCTION.
C. ALL NEW ROOF CRICKETS TO BE 1/4"/FT SLOPE WITH A MINIMUM 1/8"/FT IN THE VALLEY.

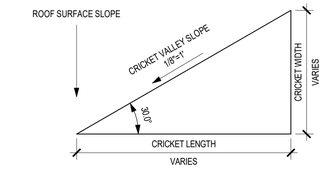
REFERENCE KEYNOTES

07 4113.G	GUTTER
07 5423.C01	CRICKET
07 5423.T	TPO MEMBRANE
07 5423.W	WALKWAY PADS
07 6200.D	DOWNSPOUT
07 7200.R	ROOF HATCH

SHEET KEYNOTES

285	MECHANICAL EQUIPMENT.
341	PLUMBING VENT.
342	GAS PIPING.

LEGEND



LEGEND

TPO MEMBRANE ROOF SYSTEM

METAL ROOF

20'-0" ROOF SPOT ELEVATION INDICATES TOP OF METAL STUD WALL

PLAN NORTH / TRUE NORTH

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STATE OF NEW MEXICO
LAWRENCE D. McDONALD
No. 4238
REGISTERED ARCHITECT
09/23/2025

SANDOVAL COUNTY • STATE OF NEW MEXICO •

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA RD
BERNALILLO, NM

PROJECT NO.:	R314624.52
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

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4	09/23/2025	100% CDs
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ROOF PLAN

A-103

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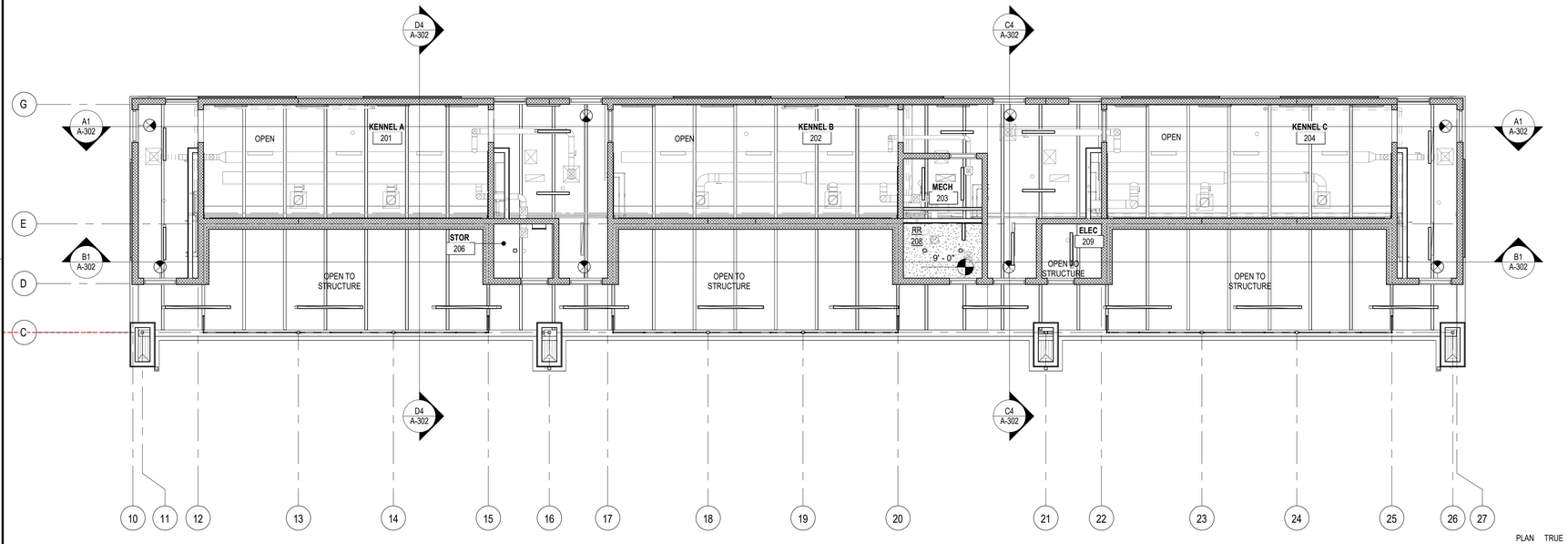
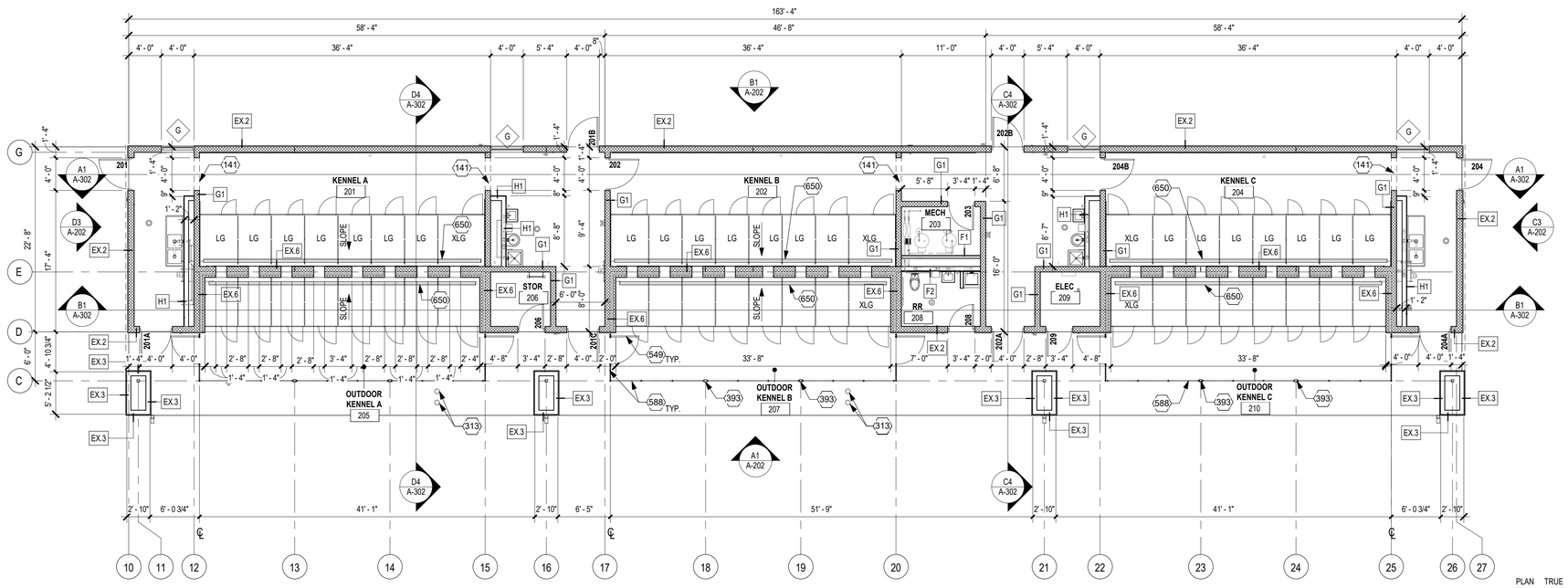


C1 REFLECTED CEILING PLAN - KENNEL

1/8" = 1'-0"



A1 KENNEL FLOOR PLAN

1/8" = 1'-0"

GENERAL NOTES

A. ALL CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE CURRENT ADOPTED EDITION, STATE OF NEW MEXICO BUILDING CODE, AND ALL OTHER GOVERNING CODES AND AGENCIES.
B. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE PRIOR TO STARTING THE WORK. ANY DISCREPANCIES AND/OR OMISSIONS IN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
C. CONTRACTOR SHALL REVIEW AND COORDINATE ALL CONTRACT DOCUMENTS.
D. CONTRACTOR SHALL REFER TO ANNOTATIVE DIMENSIONS ONLY - DO NOT SCALE DRAWINGS.
E. ALL REQUIRED EXIT DOORS SHALL BE OPERABLE FROM INSIDE WITHOUT A KEY OR SPECIAL KNOWLEDGE OR EFFORT.
F. MAXIMUM EFFORT TO OPENING ANY DOOR SHALL NOT EXCEED 5 POUNDS PRESSURE FOR INTERIOR NON-RATED DOORS, 8 1/2 POUNDS PRESSURE FOR EXTERIOR DOORS, AND 15 POUNDS PRESSURE FOR FIRE-RATED DOORS.
G. ALL PRODUCTS MARKED "OR APPROVED EQUAL" SHALL BE APPROVED BY THE ARCHITECT AND OWNER PRIOR TO PURCHASING AND INSTALLATION OF WORK AND SHALL MEET THE REQUIREMENTS OF ALL GOVERNING CODES AND AGENCIES.
H. FOR ALL MOUNTED EQUIPMENT/FIXTURES PROVIDE BLOCKING AND FRAMING AS RECOMMENDED BY THE MANUFACTURER. REQUIRED REINFORCEMENT AND SUPPORT SHALL BE INSTALLED BY THE CONTRACTOR.
I. ALL PIPING SHALL BE LABELED WITH DIRECTIONAL ARROWS EVERY 20 FEET AND AT ALL WALL PENETRATIONS. ACCESS PANELS SHALL BE PROVIDED AT ALL VALVES AND CONTROLS CONCEALED IN HARD CONSTRUCTION.
J. ALL THE SYMBOLS, ABBREVIATIONS, AND MATERIALS INDICATED ON THE 'G' AND 'A' SERIES SHEETS, APPLY ONLY TO THE ARCHITECTURAL SHEETS.
K. REFER TO SHEET A-101 FOR FINISH SCHEDULE.
L. PROTECT CAMERAS, T-STATS, EMERGENCY LIGHTING, AND FIXTURES WITH CLEAR PLASTIC COVERS DURING CONSTRUCTION.
M. REFER TO ENLARGED PLANS FOR WALL TYPES AND DIMENSIONS WITHIN DETAILED AREAS.
N. PROVIDE MOLD AND MOISTURE RESISTANT GYPSUM BOARD AT WALLS WITH PLUMBING FIXTURES.
O. SEAL ALL EXTERNAL CRACKS, JOINTS, PENETRATIONS, EDGES AND ENTRY POINTS WITH APPROPRIATE CAULKING. INSTALL RODENT AND CORROSION-PROOF SCREENS (COPPER OR STAINLESS STEEL) ON ALL OPENINGS GREATER THAN 1/4", EXCEPT WHERE CODE PROHIBITS THEIR INSTALLATION
P. INSTALL PORTS OR COVERED OPENINGS FOR ALL PLUMBING ELEMENTS THAT PENETRATE THE SLAB TO ALLOW ACCESS FOR INSPECTION AND TREATMENT OF PEST INFESTATIONS
Q. SLOPE CONCRETE TO DRAIN IN TOILET ROOMS.
R. APPLIANCES SHOWN (REFRIGERATORS, MICROWAVES) ARE PROVIDED BY THE OWNER AND CONTRACTOR INSTALLED.
S. REFER TO FLOOR PLAN FOR 4' HIGH CORNER GUARDS LOCATIONS AND CG LABEL.
T. PROVIDE 4' HIGH CORNER GUARDS AT GYPSUM BOARD WALLS AT ALL CORNERS AND END WALL CONDITIONS.

SHEET KEYNOTES

141 DASHED LINE INDICATES HEADWALL ABOVE.
313 PLUMBING CLEANOUT.
393 STRUCTURAL COLUMN.
549 4'-0" TALL VINYL COATED CHAINLINK GATE. OPAQUE PRIVACY SCREEN ON GATE PANEL ONLY.
588 MINI MESH CHAINLINK FENCE.
650 TRENCH DRAIN WITH SLOTTED GRATE.

LEGEND

WALL
DOOR
OPEN — EXPOSED STRUCTURE
TRENCH DRAIN

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FLOOR PLAN KENNEL

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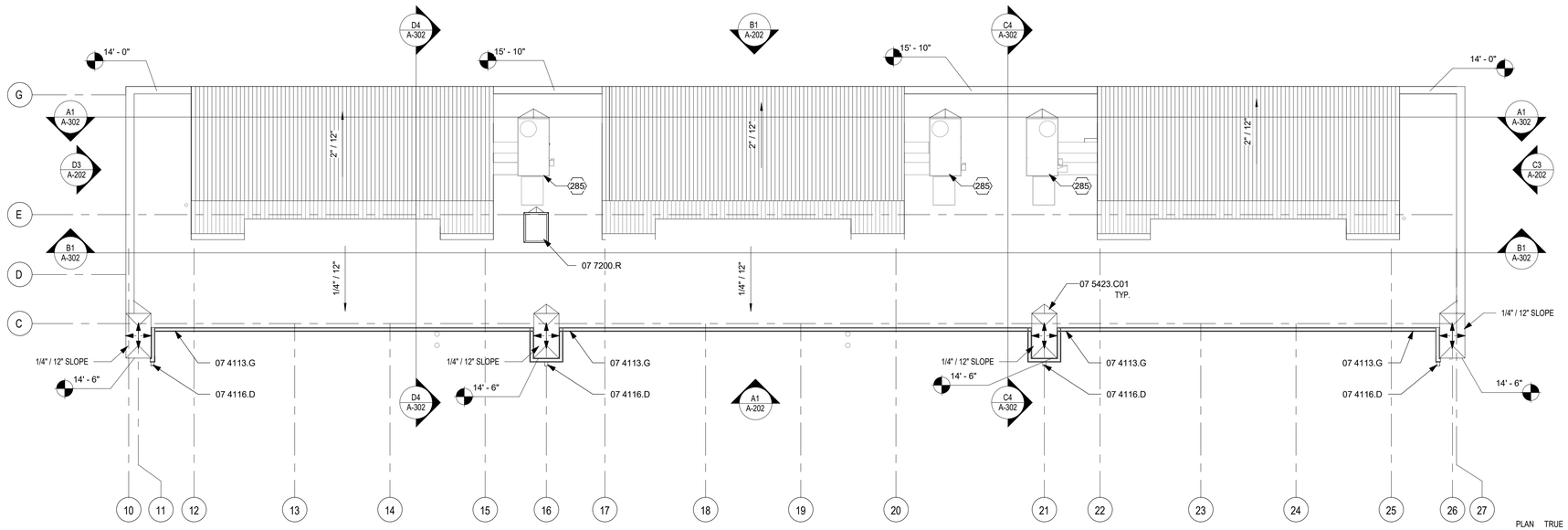

A1 **KENNEL ROOF PLAN**
1/8" = 1'-0"

GENERAL NOTES

A. COORDINATE WITH MECHANICAL, ELECTRICAL, & PLUMBING.
B. PROTECT EXISTING (TPO) DURING CONSTRUCTION.
C. ALL NEW ROOF CRICKETS TO BE 1/4"/FT SLOPE WITH A MINIMUM 1/8"/FT IN THE VALLEY.

REFERENCE KEYNOTES

07 4113.G	GUTTER
07 4116.D	DOWNSPOUT
07 5423.C01	CRICKET
07 7200.R	ROOF HATCH

SHEET KEYNOTES

285	MECHANICAL EQUIPMENT.

LEGEND

- TPO MEMBRANE ROOF SYSTEM
- METAL ROOF
- 20'-0" ROOF SPOT ELEVATION INDICATES TOP OF METAL STUD WALL

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ROOF PLAN KENNEL

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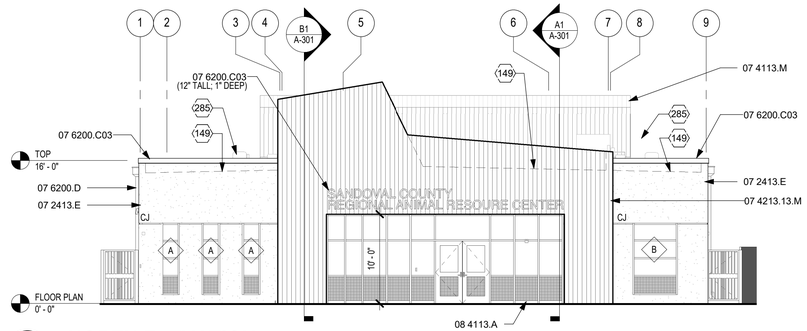
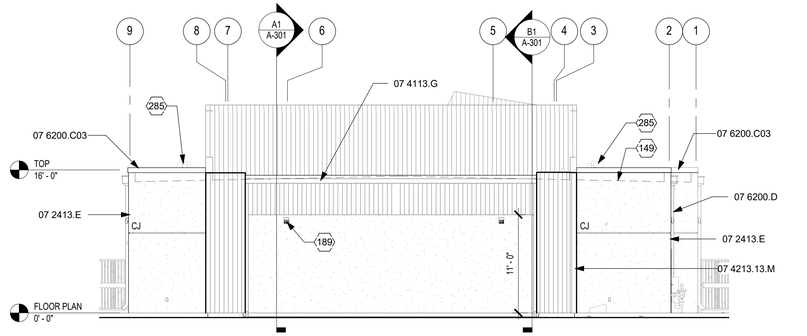
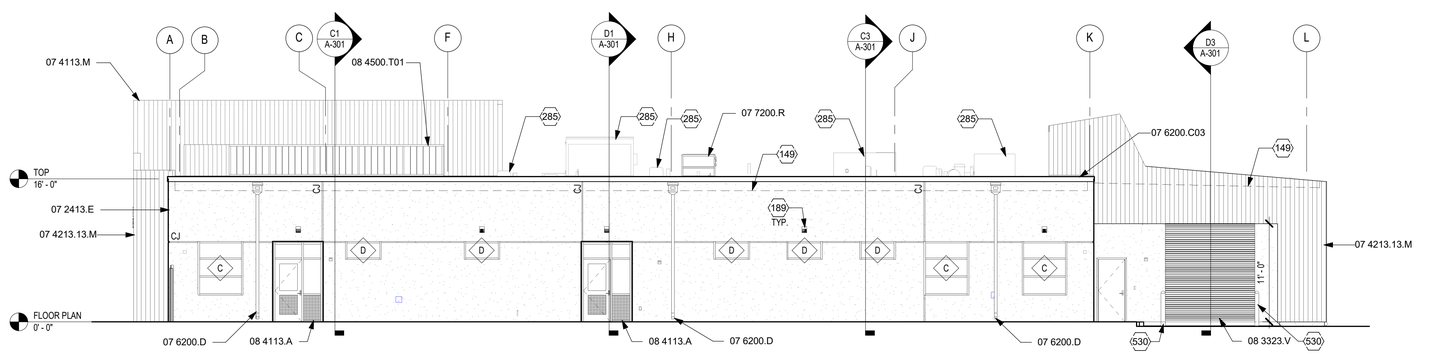


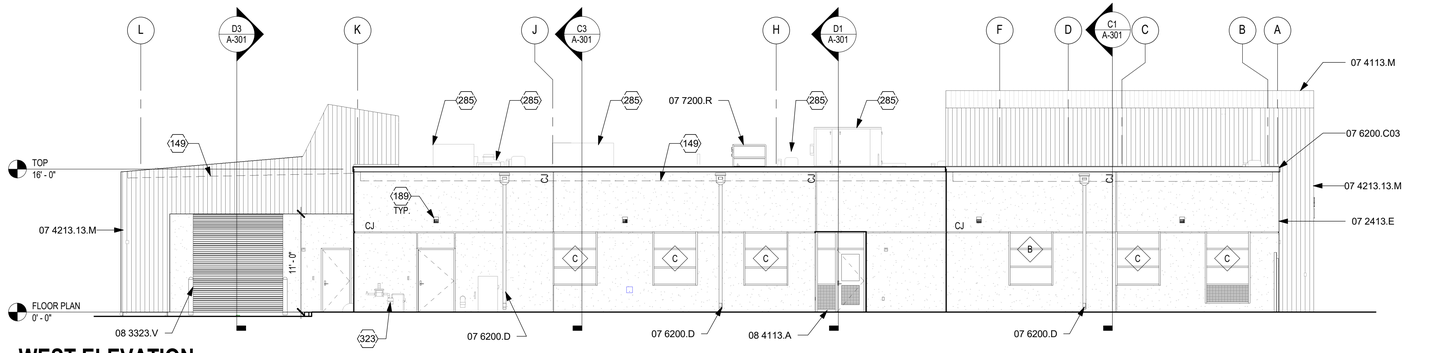
D3 NORTH ELEVATION
1/8" = 1'-0"



C3 SOUTH ELEVATION
1/8" = 1'-0"



B1 EAST ELEVATION
1/8" = 1'-0"



A1 WEST ELEVATION
1/8" = 1'-0"

GENERAL NOTES

A. COORDINATE WITH MECHANICAL, ELECTRICAL, & PLUMBING.
B. GRADE VARIES, REFER TO CIVIL FOR EXTERIOR FINISH GRADES.

REFERENCE KEYNOTES

07 2413.E	EXTERIOR INSULATION AND FINISH SYSTEM
07 4113.G	GUTTER
07 4113.M	METAL ROOF PANEL
07 4213.13.M	METAL WALL PANEL
07 6200.C03	COPING
07 6200.D	DOWNSPOUT
07 7200.R	ROOF HATCH
08 3323.V	OVERHEAD COILING DOOR
08 4113.A	ALUMINUM FRAMED STOREFRONT
08 4500.T01	TRANSLUCENT WALL ASSEMBLY

SHEET KEYNOTES

149	DASHED LINE INDICATES ROOF LINE.
189	ELECTRICAL LIGHT FIXTURE.
285	MECHANICAL EQUIPMENT.
323	PLUMBING EQUIPMENT.
530	6" DIA. CONCRETE BOLLARD COLORED, "SAFETY YELLOW".

LEGEND

- METAL PANEL
- EIFS
- FIBERGLASS REINFORCED POLYMER SYSTEM
- FORMED EDGE INFILL PANEL; 1" INSULATED

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BERNALILLO, NM

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REVIEWED BY:	STAFF
APPROVED BY:	STAFF

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BUILDING ELEVATIONS

A-201

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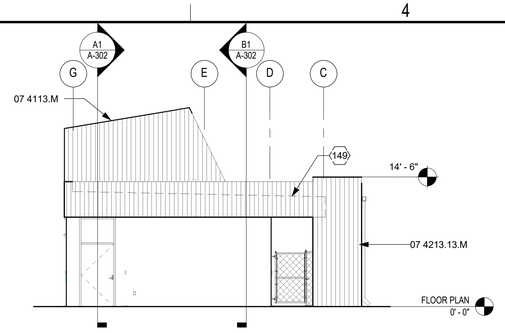
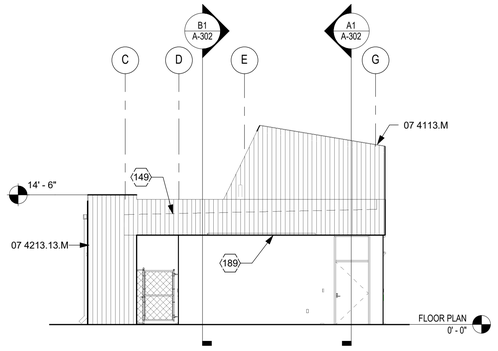


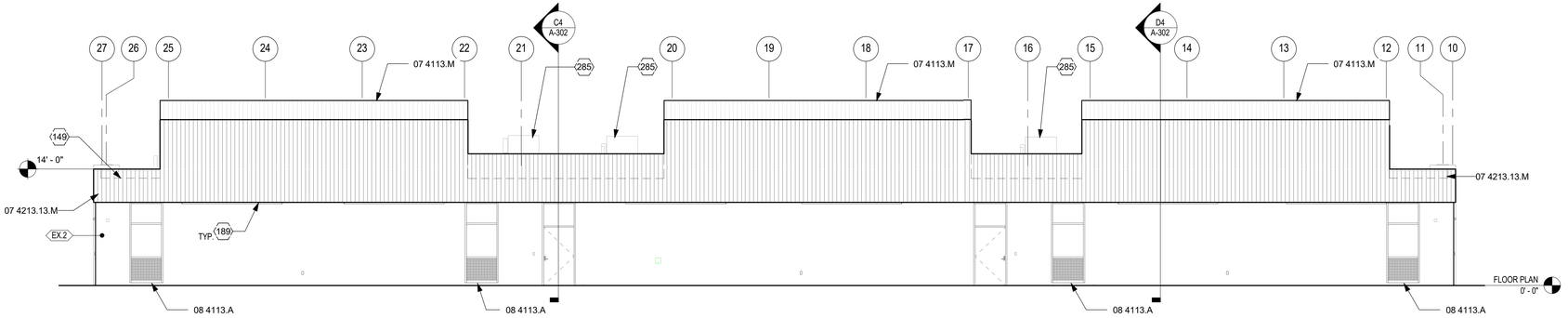
D3 BUILDING ELEVATION - KENNEL WEST ELEVATION

1/8" = 1'-0"



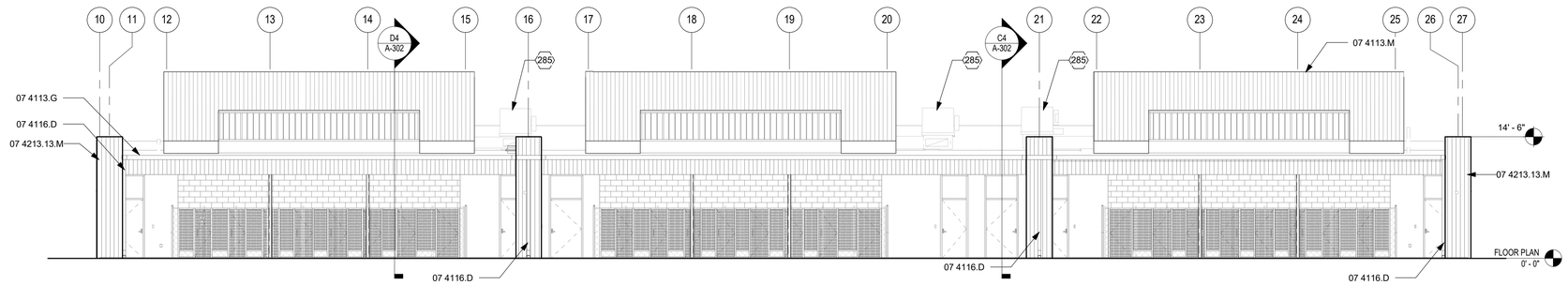
C3 BUILDING ELEVATION - KENNEL EAST ELEVATION

1/8" = 1'-0"



B1 BUILDING ELEVATION - KENNEL NORTH ELEVATION

1/8" = 1'-0"



A1 BUILDING ELEVATION - KENNEL SOUTH ELEVATION

1/8" = 1'-0"

GENERAL NOTES

A. COORDINATE WITH MECHANICAL, ELECTRICAL, & PLUMBING.
B. GRADE VARIES, REFER TO CIVIL FOR EXTERIOR FINISH GRADES.

REFERENCE KEYNOTES

07 4113.G	GUTTER
07 4113.M	METAL ROOF PANEL
07 4116.D	DOWNSPOUT
07 4213.13.M	METAL WALL PANEL
08 4113.A	ALUMINUM FRAMED STOREFRONT

SHEET KEYNOTES

149	DASHED LINE INDICATES ROOF LINE.
189	ELECTRICAL LIGHT FIXTURE.
285	MECHANICAL EQUIPMENT.

LEGEND

- METAL PANEL
- EIFS
- FIBERGLASS REINFORCED POLYMER SYSTEM
- FORMED EDGE INFILL PANEL; 1" INSULATED

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BUILDING ELEVATIONS

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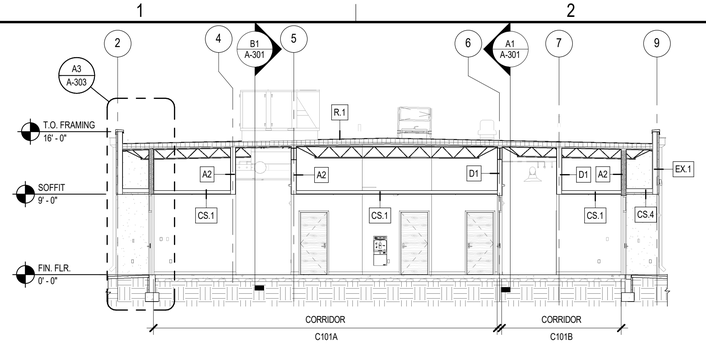
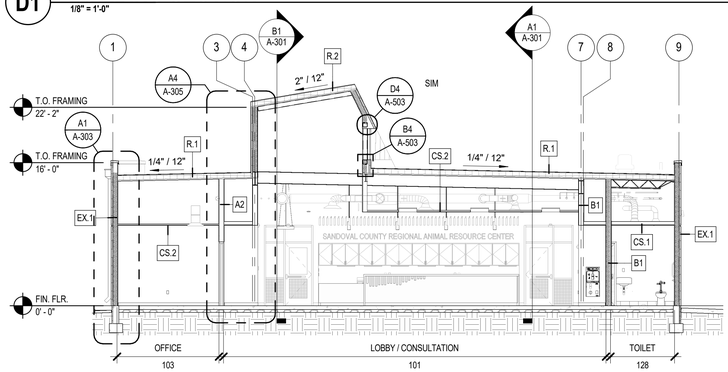


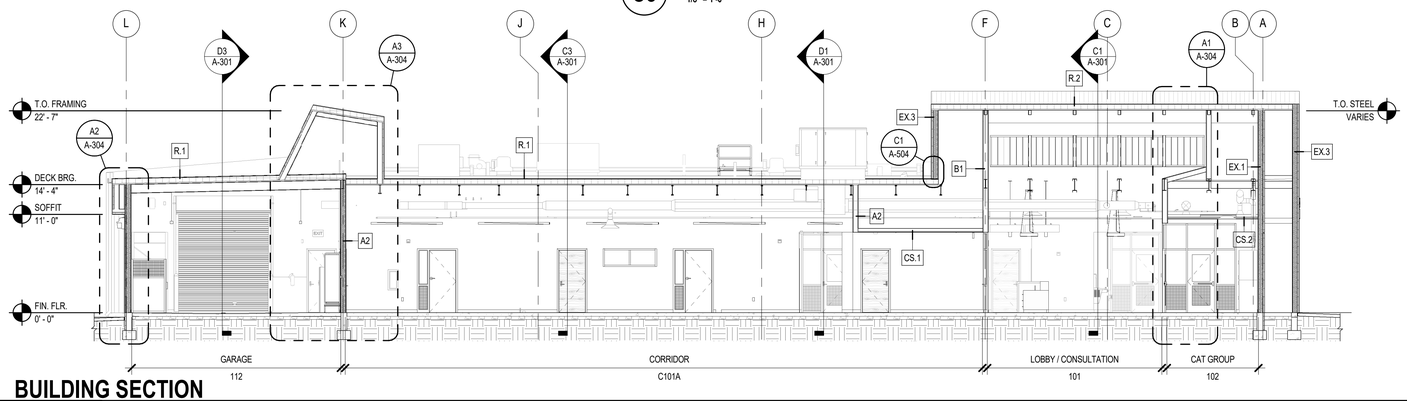
D1 BUILDING SECTION

1/8" = 1'-0"



C1 BUILDING SECTION

1/8" = 1'-0"



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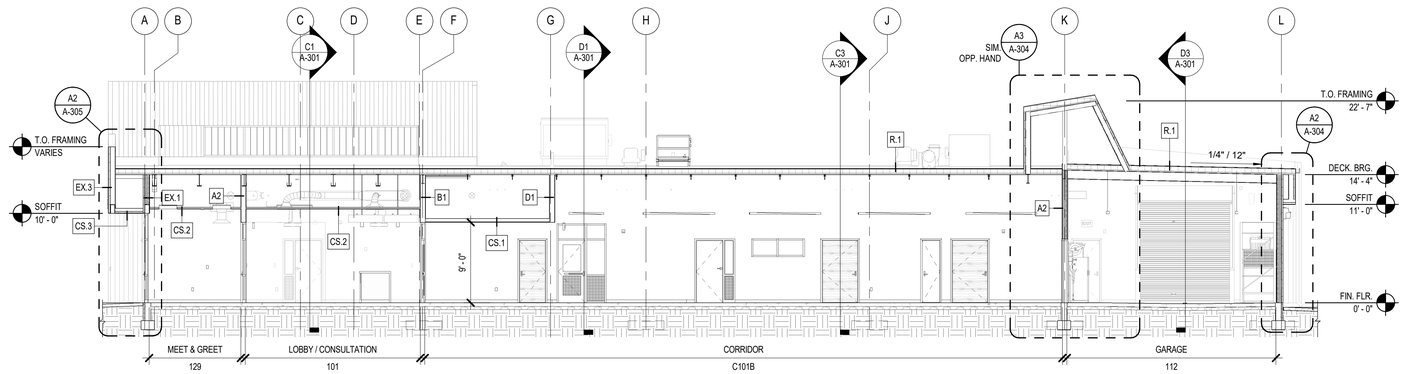
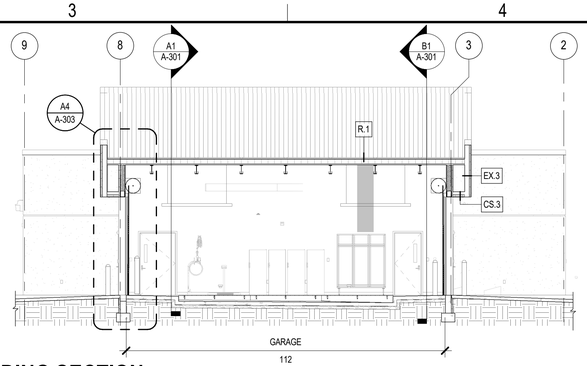


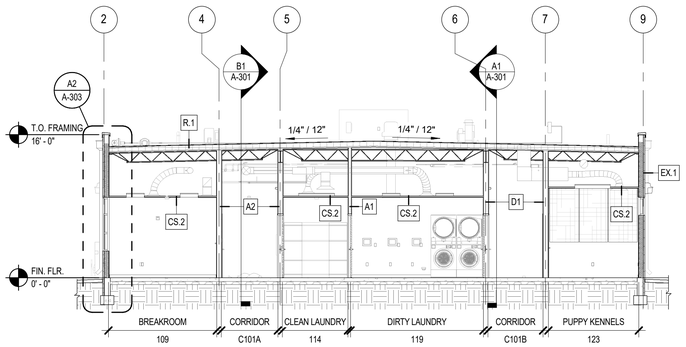
A1 BUILDING SECTION

1/8" = 1'-0"



D3 BUILDING SECTION

1/8" = 1'-0"



C3 BUILDING SECTION

1/8" = 1'-0"

GENERAL SHEET NOTES

A. ALL FINISHED CEILINGS TO BE 9'-0" A.F.F UNLESS NOTED OTHERWISE
B. ALL EXPOSED DUCTWORK, REGISTERS, GRILLES, STRUCTURE, CMU WALLS AND DECK TO BE PAINTED (COLOR BY ARCHITECT).
C. PROVIDE CORNER GUARDS AT ALL EXTERIOR CORNERS ON GYPSUM BOARD FINISH WALLS.
D. PROVIDE 3" MAXIMUM METAL TRIM AT ALL EXPOSED METAL EDGES UNLESS NOTED OTHERWISE. INSTALL PER MANUFACTURERS INSTRUCTIONS.
E. PROVIDE CONTROL JOINTS AT GYPSUM WALL BOARD WHERE OPENINGS ARE OVER 32'.

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BUILDING SECTIONS

A-301

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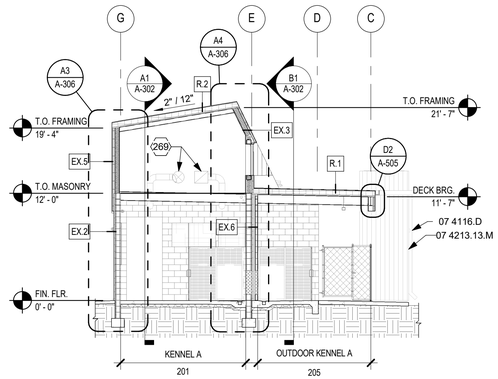
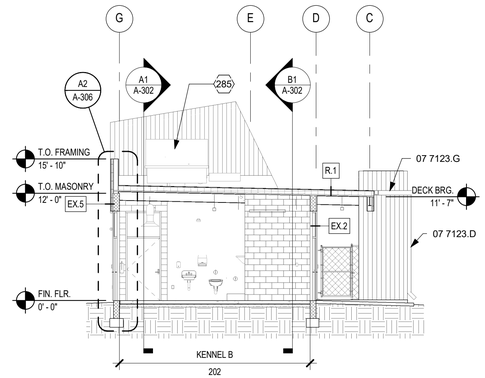
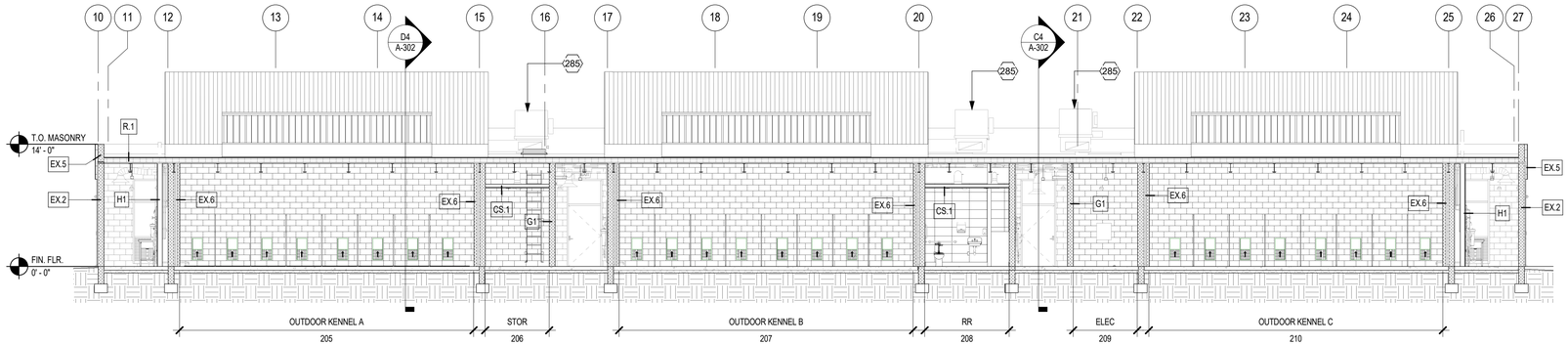


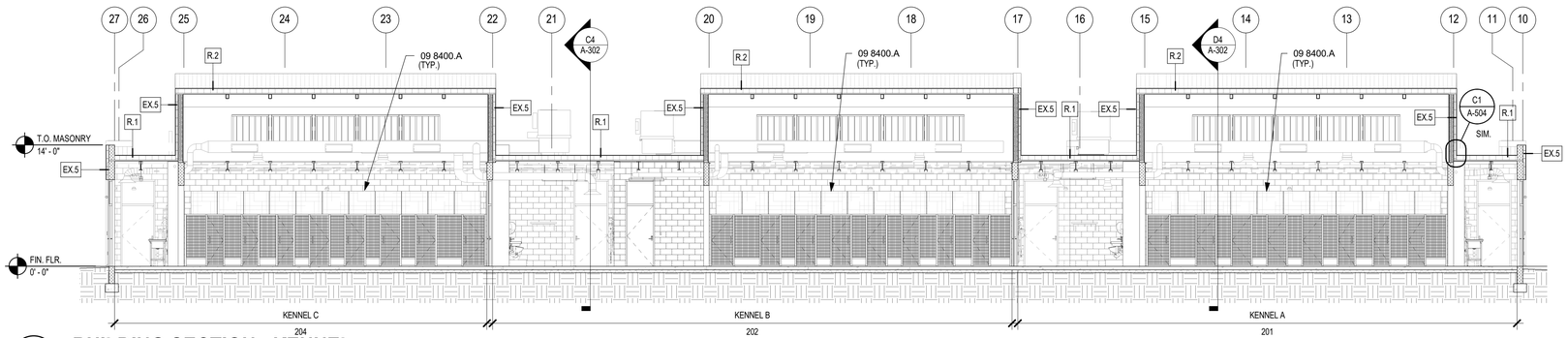
D4 BUILDING SECTION - KENNEL
1/8" = 1'-0"



C4 BUILDING SECTION - KENNEL
1/8" = 1'-0"



B1 BUILDING SECTION - KENNEL
1/8" = 1'-0"



A1 BUILDING SECTION - KENNEL
1/8" = 1'-0"

GENERAL SHEET NOTES

A. ALL FINISHED CEILINGS TO BE 9'-0" A.F.F UNLESS NOTED OTHERWISE
B. ALL EXPOSED DUCTWORK, REGISTERS, GRILLES, STRUCTURE, CMU WALLS AND DECK TO BE PAINTED (COLOR BY ARCHITECT).
C. PROVIDE CORNER GUARDS AT ALL EXTERIOR CORNERS ON GYPSUM BOARD FINISH WALLS.
D. PROVIDE 3" MAXIMUM METAL TRIM AT ALL EXPOSED METAL EDGES UNLESS NOTED OTHERWISE. INSTALL PER MANUFACTURERS INSTRUCTIONS.
E. PROVIDE CONTROL JOINTS AT GYPSUM WALL BOARD WHERE OPENINGS ARE OVER 32".

REFERENCE KEYNOTES

07 4116.D	DOWNSPOUT
07 4213.13.M	METAL WALL PANEL
07 7123.D	DOWNSPOUT
07 7123.G	GUTTER
09 8400.A	ACOUSTICAL PANEL

SHEET KEYNOTES

269	MECHANICAL DUCTWORK.
285	MECHANICAL EQUIPMENT.

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STATE OF NEW MEXICO
LAWRENCE D. McDONALD
No. 4238
REGISTERED ARCHITECT
09/23/2025

SANDOVAL COUNTY · STATE OF NEW MEXICO

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA RD
BERNALILLO, NM

PROJECT NO.:	R314624.52
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
3	09/23/2025	100% CDs
2	07/25/2025	95% CDs
1	05/16/2025	70% CDs

BUILDING SECTIONS

A-302

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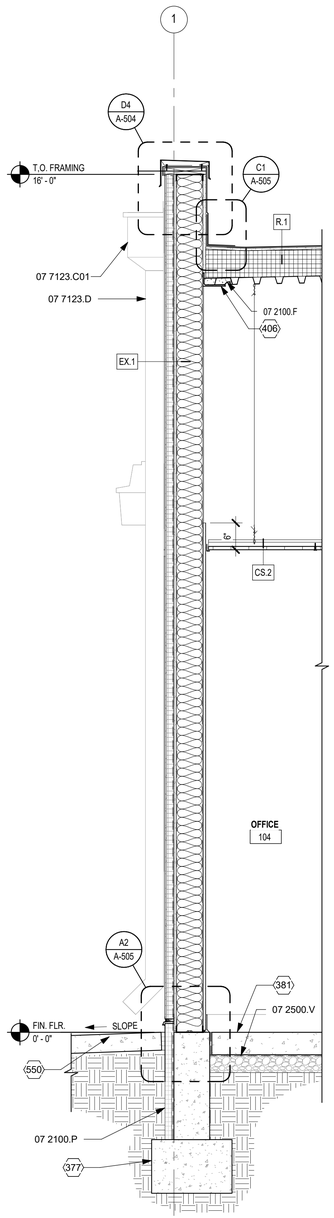
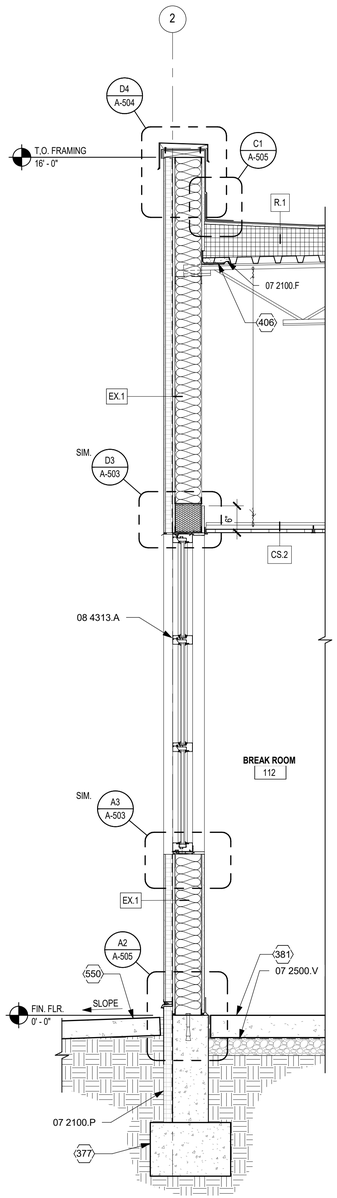


A1 **WALL SECTION**
3/4" = 1'-0"



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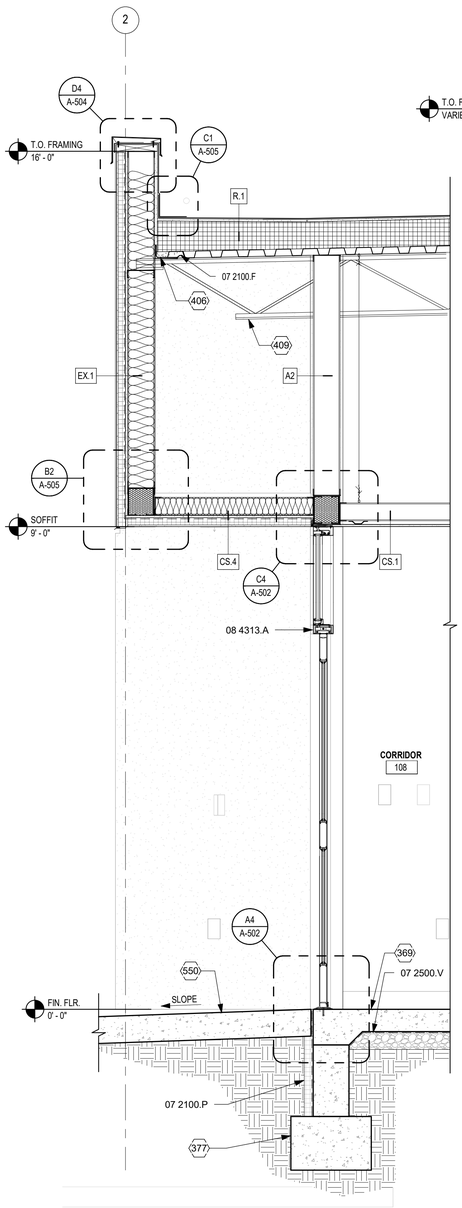
3/4" = 1'-0"



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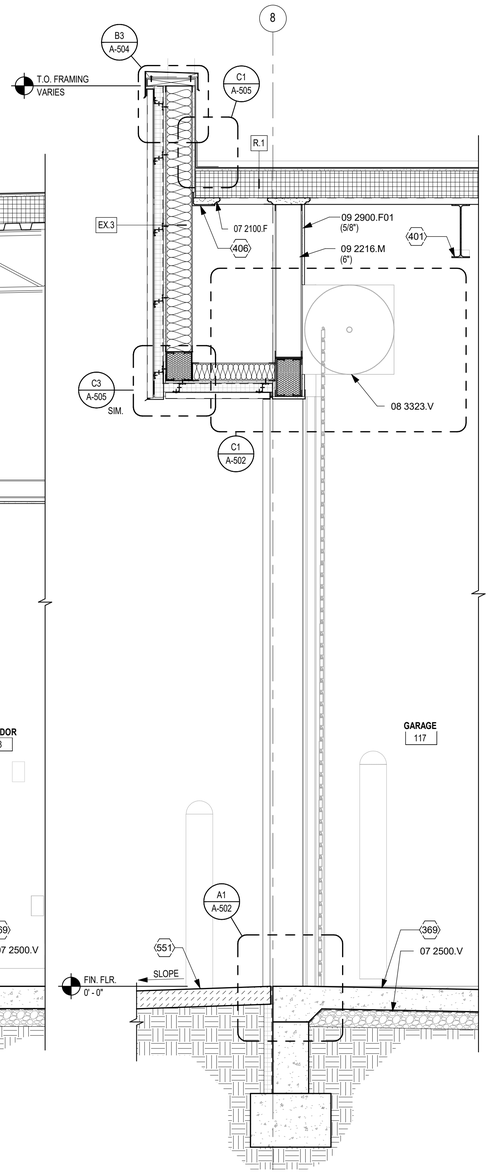
3/4" = 1'-0"



A4 **WALL SECTION**
3/4" = 1'-0"

GENERAL NOTES

A. ALL FINISHED CEILINGS TO BE 9'-0" A.F.F UNLESS NOTED OTHERWISE
B. ALL EXPOSED DUCTWORK, REGISTERS, GRILLES, STRUCTURE, CMU WALLS AND DECK TO BE PAINTED (COLOR BY ARCHITECT).
C. PROVIDE CORNER GUARDS AT ALL EXTERIOR CORNERS ON GYPSUM BOARD FINISH WALLS.
D. PROVIDE 3" MAXIMUM METAL TRIM AT ALL EXPOSED METAL EDGES UNLESS NOTED OTHERWISE. INSTALL PER MANUFACTURERS INSTRUCTIONS.
E. PROVIDE CONTROL JOINTS AT GYPSUM WALL BOARD WHERE OPENINGS ARE OVER 32".

REFERENCE KEYNOTES

07 2100.F	FOAM INSULATION
07 2100.P	PERIMETER INSULATION
07 2500.V	VAPOR RETARDER
07 7123.C01	CONDUCTOR HEAD WITH OVERFLOW OPENING
07 7123.D	DOWNSPOUT
08 3323.V	OVERHEAD COILING DOOR
08 4313.A	ALUMINUM FRAMED STOREFRONT
09 2216.M	METAL STUD

SHEET KEYNOTES

09 2900.F01	FIRE RATED GYPSUM BOARD
369	STRUCTURAL CAST-IN-PLACE CONCRETE.
377	STRUCTURAL CAST-IN-PLACE CONCRETE FOUNDATION.
381	STRUCTURAL CAST-IN-PLACE CONCRETE SLAB.
401	STRUCTURAL FRAMING MEMBER(S).
406	STRUCTURAL ANGLE.
409	STRUCTURAL JOIST.
550	EXTERIOR CONCRETE FLATWORK
551	ASPHALT PAVING

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SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

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REVIEWED BY:	STAFF
APPROVED BY:	STAFF

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1	12/23/2024	Design Development

WALL SECTIONS

A-303

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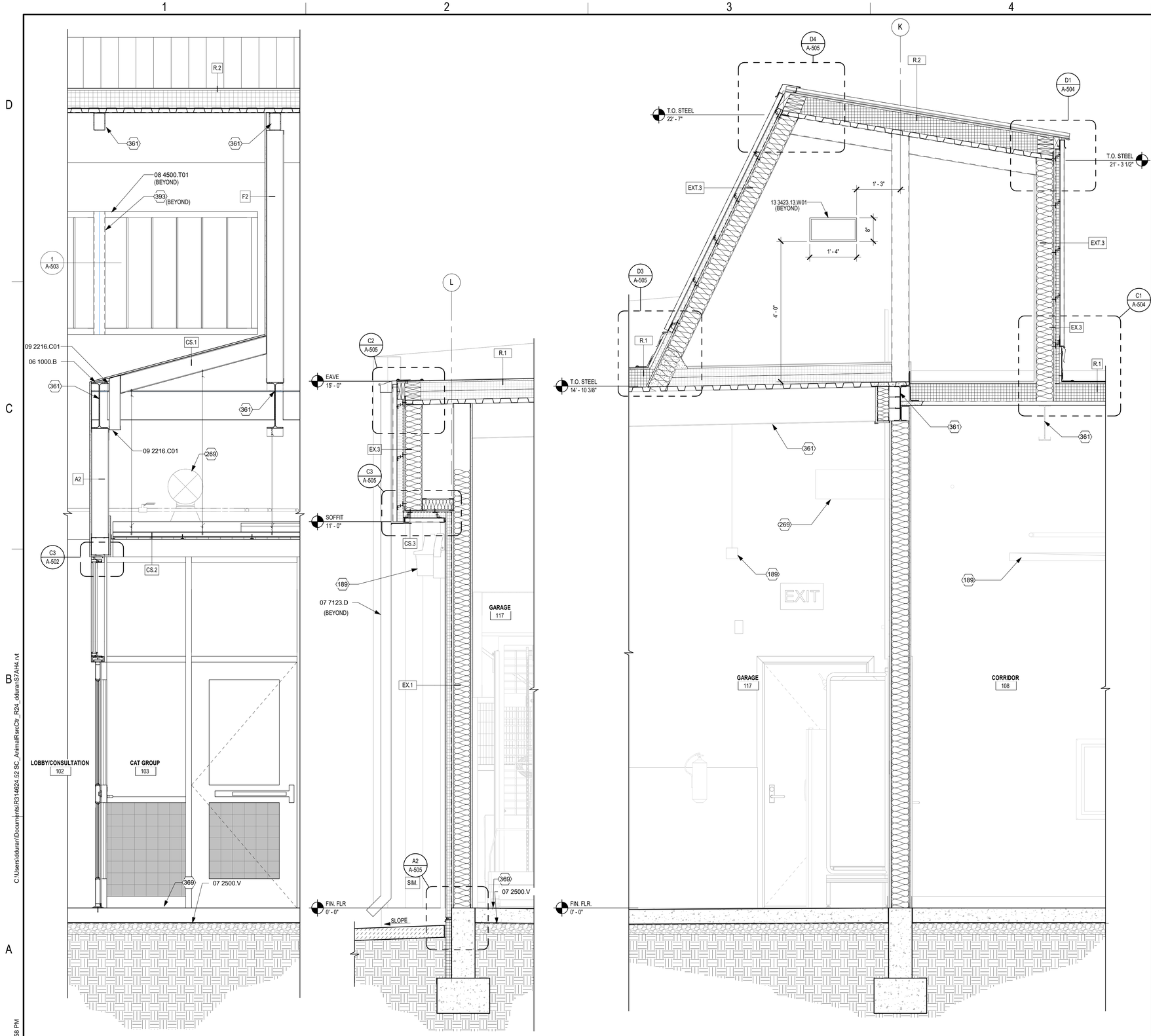

A1 WALL SECTION
3/4" = 1'-0"

A2 WALL SECTION
3/4" = 1'-0"

A3 WALL SECTION
3/4" = 1'-0"

GENERAL NOTES

A. ALL FINISHED CEILINGS TO BE 9'-0" A.F.F UNLESS NOTED OTHERWISE
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C. PROVIDE CORNER GUARDS AT ALL EXTERIOR CORNERS ON GYPSUM BOARD FINISH WALLS.
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E. PROVIDE CONTROL JOINTS AT GYPSUM WALL BOARD WHERE OPENINGS ARE OVER 32".

REFERENCE KEYNOTES

06 1000.B	BLOCKING
07 2500.V	VAPOR RETARDER
07 7123.D	DOWNSPOUT
08 4500.T01	TRANSLUCENT WALL ASSEMBLY
09 2216.C01	CLIP ANGLE
13 3423.13.W01	WALL VENT

SHEET KEYNOTES

189	ELECTRICAL LIGHT FIXTURE.
269	MECHANICAL DUCTWORK.
361	STRUCTURAL BEAM.
369	STRUCTURAL CAST-IN-PLACE CONCRETE.
393	STRUCTURAL COLUMN.

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WALL SECTIONS

A-304

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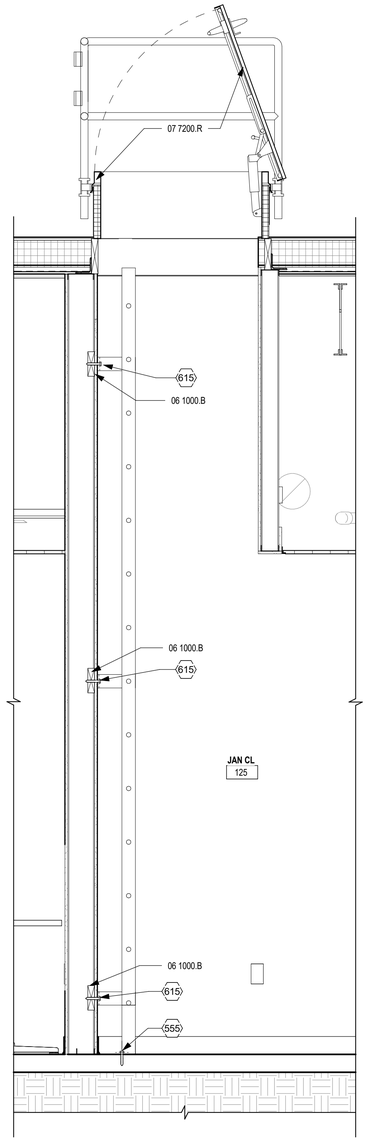
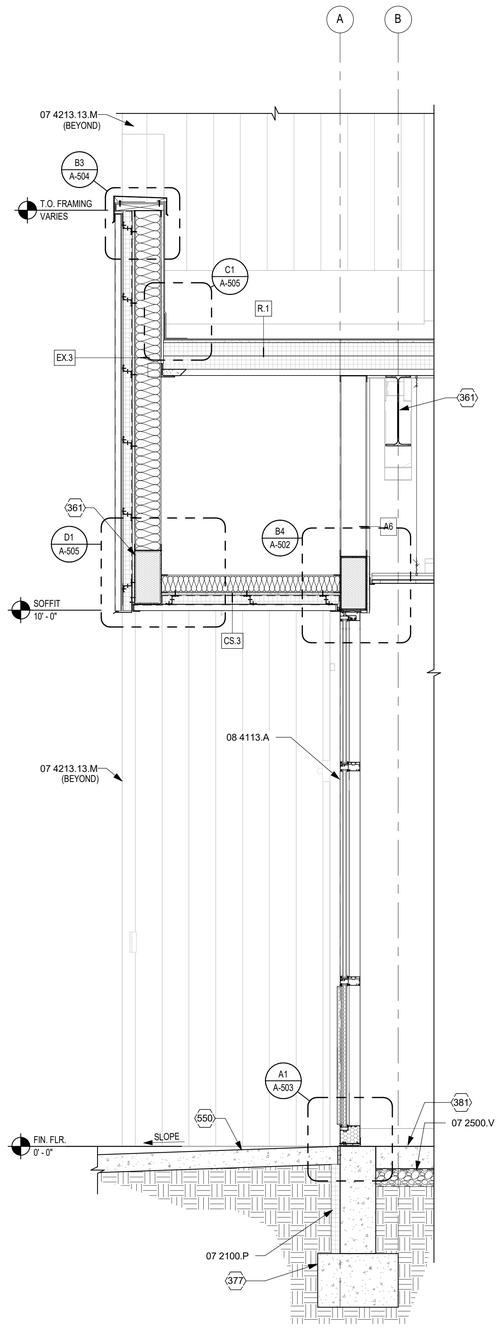
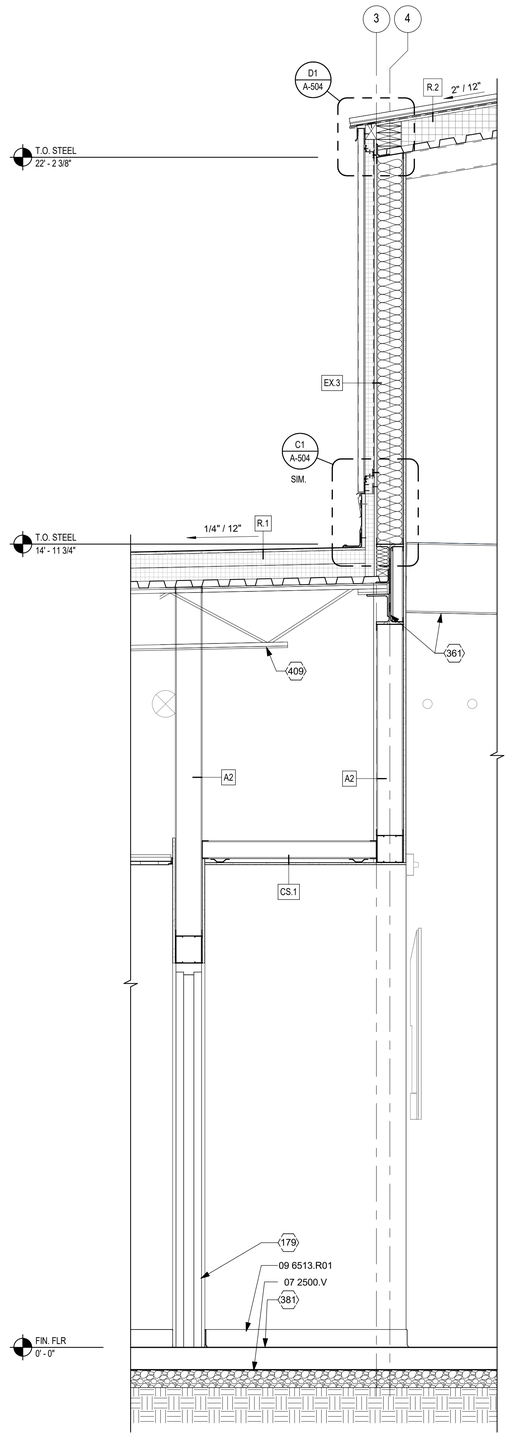


A1 **SECTION AT ROOF ACCESS**
3/4" = 1'-0"



A2 **WALL SECTION**
3/4" = 1'-0"



A4 **WALL SECTION**
3/4" = 1'-0"

GENERAL NOTES

A. ALL FINISHED CEILINGS TO BE 9'-0" A.F.F UNLESS NOTED OTHERWISE
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REFERENCE KEYNOTES

06 1000.B	BLOCKING
07 2100.P	PERIMETER INSULATION
07 2500.V	VAPOR RETARDER
07 4213.13.M	METAL WALL PANEL
07 7200.R	ROOF HATCH
08 4113.A	ALUMINUM FRAMED STOREFRONT
09 6513.R01	RESILIENT BASE

SHEET KEYNOTES

179	DOOR AS SCHEDULED.
361	STRUCTURAL BEAM.
377	STRUCTURAL CAST-IN-PLACE CONCRETE FOUNDATION.
381	STRUCTURAL CAST-IN-PLACE CONCRETE SLAB.
409	STRUCTURAL JOIST.
550	EXTERIOR CONCRETE FLATWORK
555	SCHED. 10" DIA. SSTL GROMMET
615	3" X 3" X 1/4" ANGLE X 8" LONG WELD TO FLATE BAR AND LAG/EXPANSION BOLT TO BLOCKING IN WALL @ 5'-0" O.C. MAX. PAINTED.

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SANDOVAL COUNTY · STATE OF NEW MEXICO

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REVIEWED BY:	STAFF
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WALL SECTIONS

A-305

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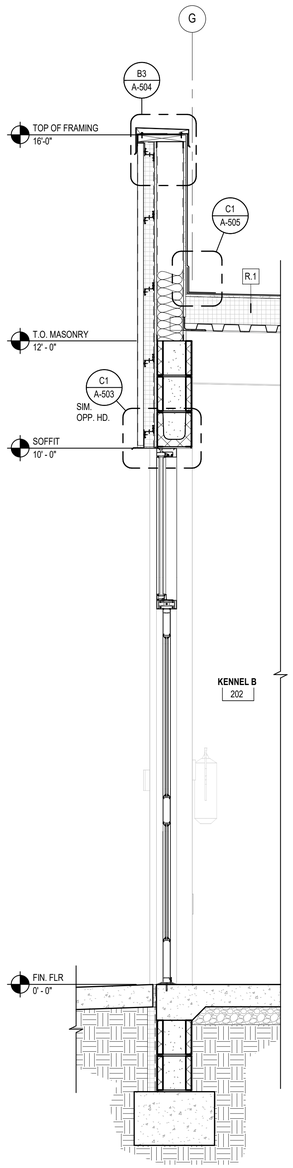
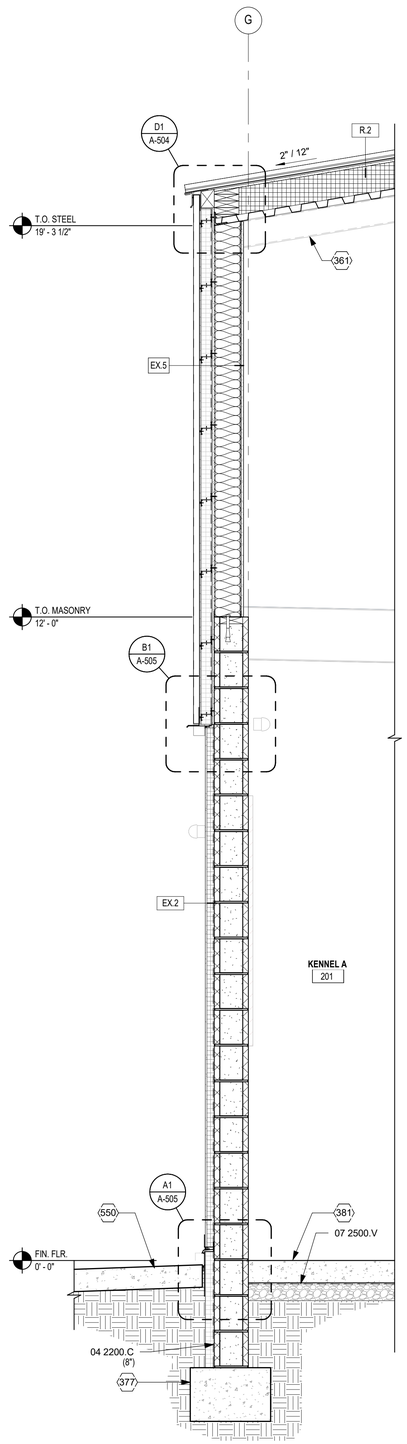
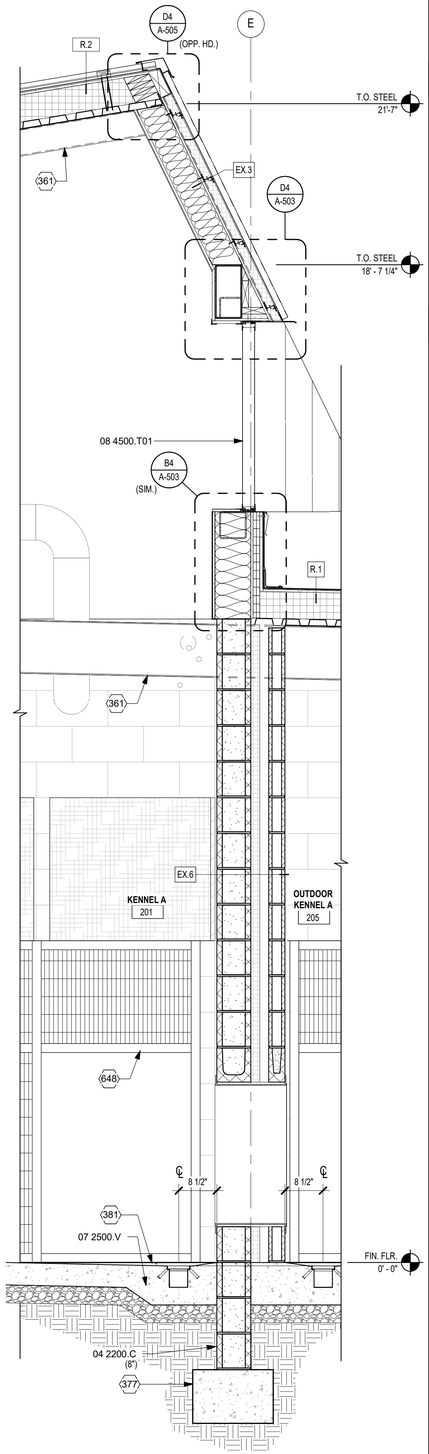


A2 **WALL SECTION - KENNEL**
3/4" = 1'-0"



A3 **WALL SECTION - KENNEL**
3/4" = 1'-0"



A4 **WALL SECTION - KENNEL**
3/4" = 1'-0"

GENERAL NOTES

A. ALL FINISHED CEILINGS TO BE 9'-0" A.F.F UNLESS NOTED OTHERWISE
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REFERENCE KEYNOTES

04 2200.C	CONCRETE MASONRY UNITS
07 2500.V	VAPOR RETARDER
08 4500.T01	TRANSLUCENT WALL ASSEMBLY

SHEET KEYNOTES

361	STRUCTURAL BEAM.
377	STRUCTURAL CAST-IN-PLACE CONCRETE FOUNDATION.
381	STRUCTURAL CAST-IN-PLACE CONCRETE SLAB.
550	EXTERIOR CONCRETE FLATWORK
648	KENNEL WALL PANEL, BEYOND

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2	05/16/2025	70% CDs
1	12/23/2024	Design Development

WALL SECTIONS

A-306

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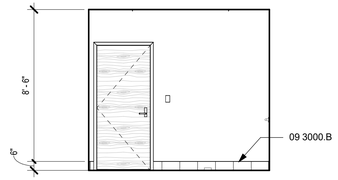
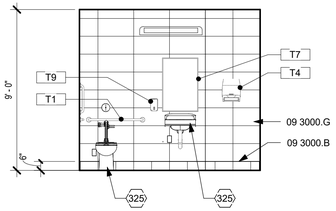
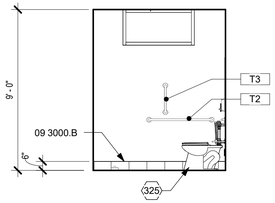


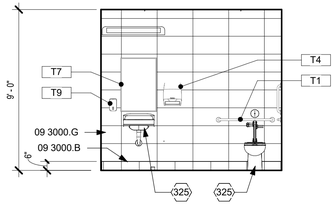
C1 TOILET 131 - NORTH
1/4" = 1'-0"



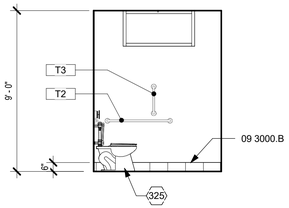
C2 TOILET 131 - SOUTH
1/4" = 1'-0"



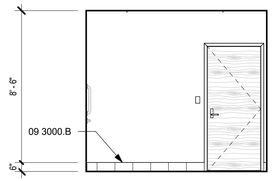
C3 TOILET 131 - WEST
1/4" = 1'-0"



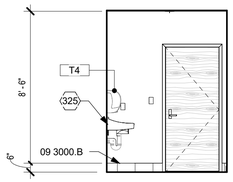
C4 TOILET 129 - NORTH
1/4" = 1'-0"



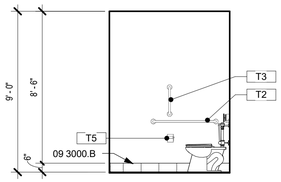
D3 TOILET 129 - WEST
1/4" = 1'-0"



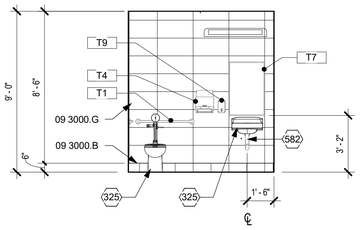
D4 TOILET 129 - SOUTH
1/4" = 1'-0"



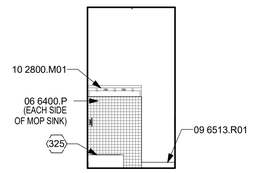
B1 TOILET 126 - SOUTH
1/4" = 1'-0"



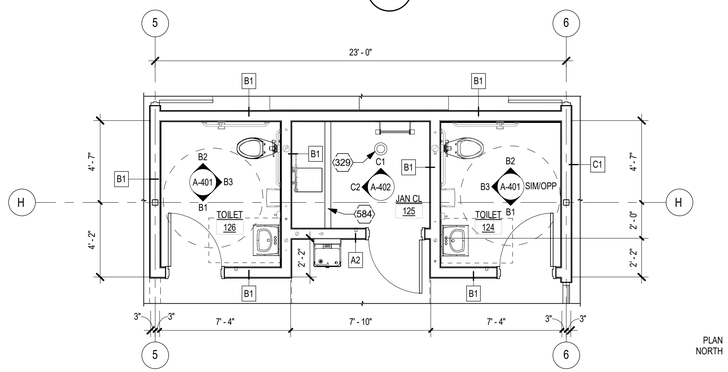
B2 TOILET 126 - NORTH
1/4" = 1'-0"



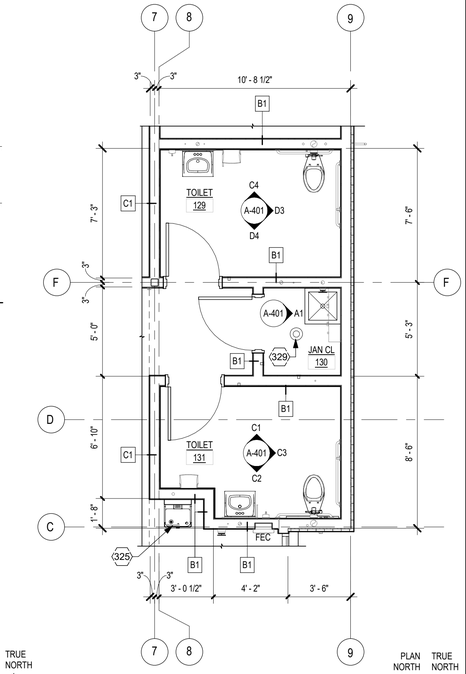
B3 TOILET 126 - EAST
1/4" = 1'-0"



A1 JAN CL 130 - WEST
1/4" = 1'-0"



A2 ENLARGED PLAN
1/4" = 1'-0"



A4 ENLARGED PLAN
1/4" = 1'-0"

PLAN NORTH / TRUE NORTH

GENERAL NOTES

A. INSTALL WOOD BACKING WITHIN METAL STUD WALLS FOR SECURE MOUNTING OF ALL ACCESSORIES. NO STRAP BACKING ON TOILET PARTITIONS, GRAB BARS, COUNTERTOP SUPPORTS, WALL DOOR BUMPERS, & SHELF SUPPORTS.(SEE SPECIFICATIONS)
B. CONTRACTOR TO VERIFY ALL FIELD DIMENSIONS PRIOR TO FABRICATION AND INSTALLATION OF BUILT-IN CASEWORK.
C. DIMENSIONS ARE TO FACE OF CMU OR FACE OF METAL STUD OR TO COLUMN GRID.
D. INSTALL CORNER GUARDS AT ALL 90 DEGREE INTERSECTIONS OF INTERIOR WALLS.
E. SEE SHEET A-601 FOR WALL PARTITION TYPES.
F. APPLIANCES SHOWN (FREEZER, SHELVING) ARE PROVIDED BY OWNER AND CONTRACTOR INSTALLED.
G. SEE Q-101 FOR EQUIPMENT SCHEDULE

REFERENCE KEYNOTES

06 6400.P	PLASTIC PANELING
09 3000.B	BASE
09 3000.G	WALL TILE
09 6513.R01	RESILIENT BASE
10 2800.M01	MOP AND BROOM HOLDER

SHEET KEYNOTES

325	PLUMBING FIXTURE.
329	PLUMBING FLOOR DRAIN.
582	ADA UNDER LAVATORY PROTECTOR.
584	4" CURB.

TOILET ACCESSORY SCHEDULE

LABEL	DESCRIPTION	MOUNTING HEIGHT	USAGE
T1	36" GRAB BAR	33" - 36" AFF	TOILET
T2	42" GRAB BAR	33" - 36" AFF	TOILET
T3	18" VERTICAL GRAB BAR	48" AFF TO CENTER LINE OF BAR	TOILET
T4	SURFACE MOUNTED PAPER TOWEL DISPENSER		TOILET
T5	SURFACE MOUNTED TOILET PAPER DISPENSER		TOILET
T7	24 x 36 MIRROR	40" AFF	
T9	SURFACE-MOUNTED SOAP DISPENSER		TOILET

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ENLARGED PLANS, AND INTERIOR ELEVATIONS

A-401

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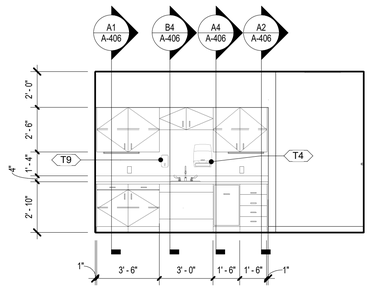

D1 MULTI-PURPOSE ROOM 104
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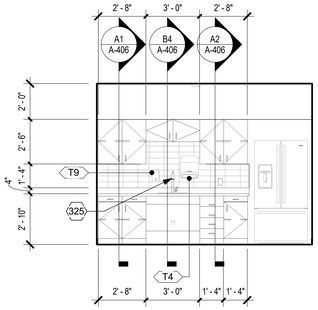

D2 BREAK ROOM 109
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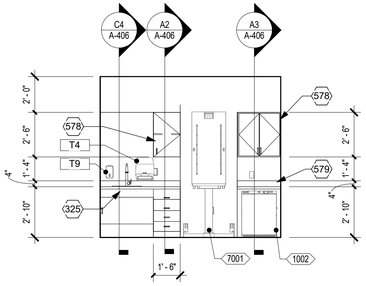

D3 MEDICAL 120 - NORTH
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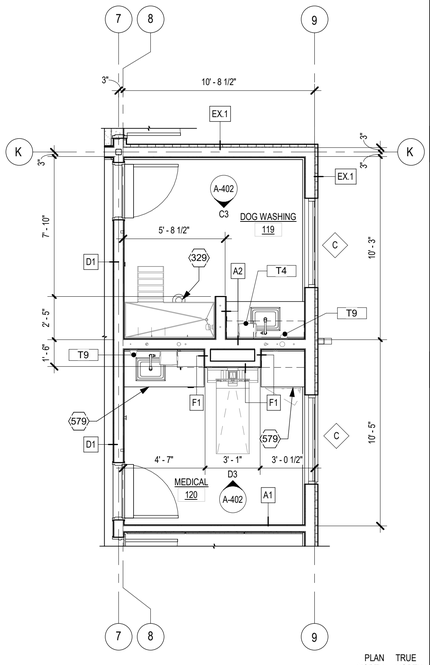
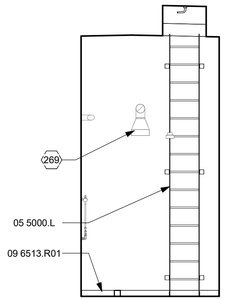


C4 ENLARGED PLAN
1/4" = 1'-0"



C1 JAN CL 125 - NORTH
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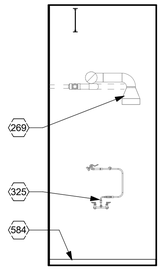

C2 JAN CL 125 - WEST
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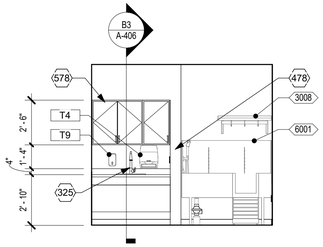
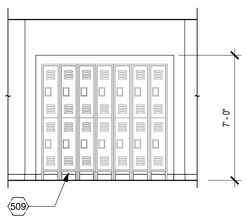


C3 DOG WASH 119 - SOUTH
1/4" = 1'-0"



B1 LOCKERS ELEVATION
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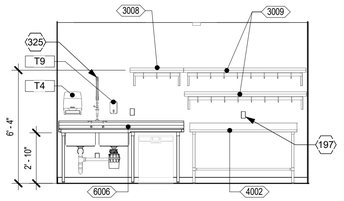

B2 PREP ROOM ELEVATION
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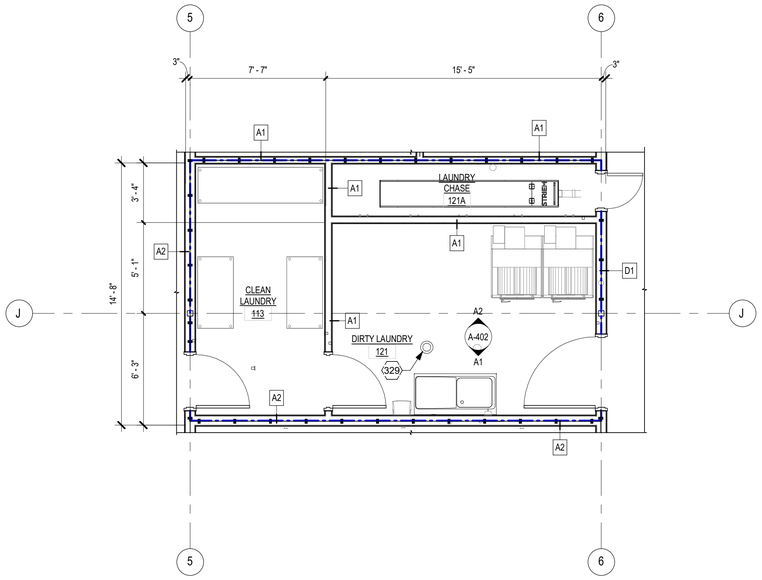
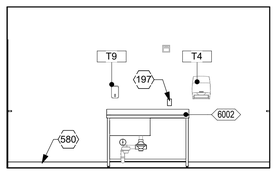
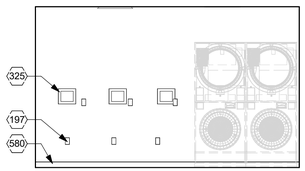


A3 CLEAN LAUNDRY & DIRTY LAUNDRY
1/4" = 1'-0"



A1 DIRTY LAUNDRY - SOUTH WALL
1/4" = 1'-0"



A2 DIRTY LAUNDRY - NORTH WALL
1/4" = 1'-0"

GENERAL NOTES

A. INSTALL WOOD BACKING WITHIN METAL STUD WALLS FOR SECURE MOUNTING OF ALL ACCESSORIES. NO STRAP BACKING ON TOILET PARTITIONS, GRAB BARS, COUNTERTOP SUPPORTS, WALL DOOR BUMPERS, & SHELF SUPPORTS.(SEE SPECIFICATIONS)
B. CONTRACTOR TO VERIFY ALL FIELD DIMENSIONS PRIOR TO FABRICATION AND INSTALLATION OF BUILT-IN CASEWORK.
C. DIMENSIONS ARE TO FACE OF CMU OR FACE OF METAL STUD OR TO COLUMN GRID.
D. INSTALL CORNER GUARDS AT ALL 90 DEGREE INTERSECTIONS OF INTERIOR WALLS.
E. SEE SHEET A-601 FOR WALL PARTITION TYPES.
F. APPLIANCES SHOWN (FREEZER, SHELVING) ARE PROVIDED BY OWNER AND CONTRACTOR INSTALLED.
G. SEE Q-101 FOR EQUIPMENT SCHEDULE

REFERENCE KEYNOTES

05 5000.L	LADDER
09 6513.R01	RESILIENT BASE

SHEET KEYNOTES

197	ELECTRICAL OUTLET.
269	MECHANICAL DUCTWORK.
325	PLUMBING FIXTURE.
329	PLUMBING FLOOR DRAIN.
478	ROBE HOOK
509	METAL LOCKERS - DOUBLE TIER
578	WALL CABINET.
579	SOLID SURFACE COUNTERTOP.
580	WALL BASE, TYPICAL.
584	4" CURB.

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STATE OF NEW MEXICO
LAWRENCE D. McDONALD
No. 4238
REGISTERED ARCHITECT
09/23/2025

SANDOVAL COUNTY · STATE OF NEW MEXICO ·

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA RD
BERNALILLO, NM

PROJECT NO.:	R314624.52
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
4	09/23/2025	100% CDs
3	07/25/2025	95% CDs
2	05/16/2025	70% CDs
1	12/23/2024	Design Development

ENLARGED PLANS, AND INTERIOR ELEVATIONS

A-402

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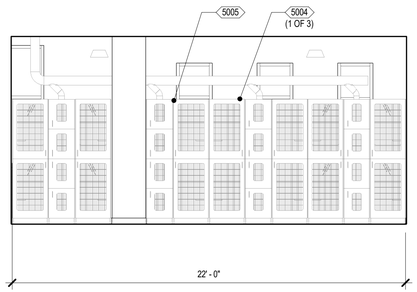
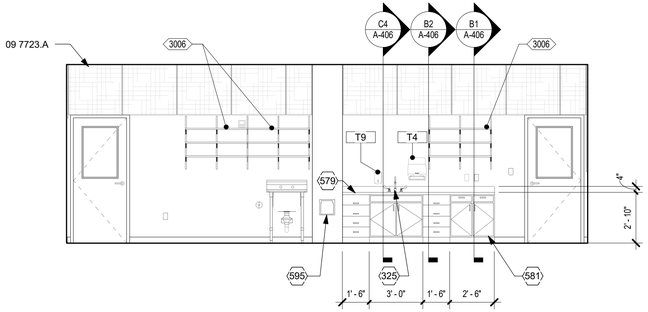
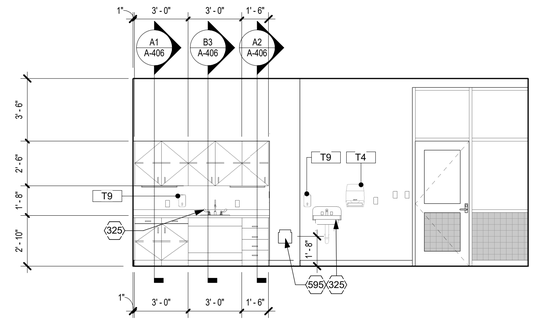


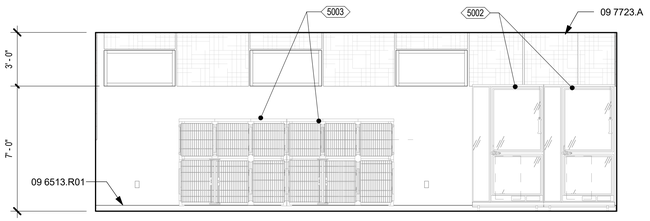
D1 CAT GROUP - NORTH WALL
1/4" = 1'-0"



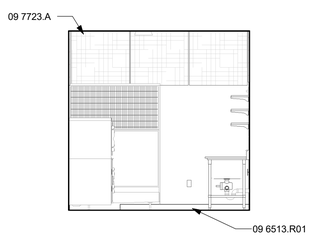
D3 PUPPY KENNELS - WEST WALL
1/4" = 1'-0"



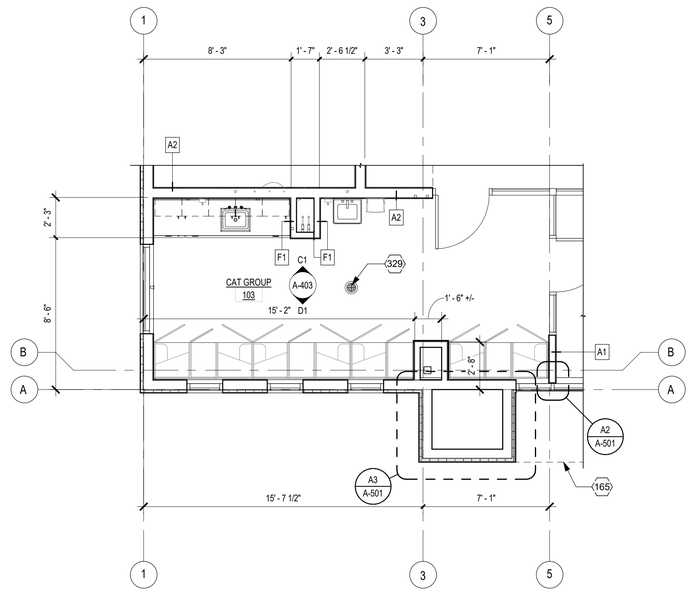
C1 CAT GROUP - SOUTH WALL
1/4" = 1'-0"



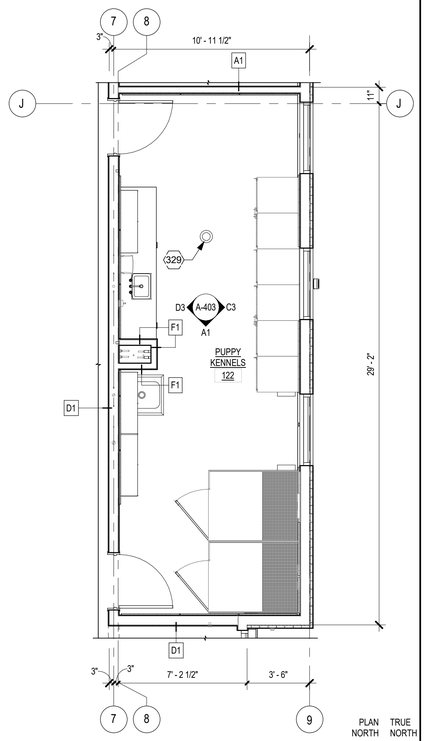
C3 PUPPY KENNELS - EAST WALL
1/4" = 1'-0"



A1 PUPPY KENNELS - SOUTH WALL
1/4" = 1'-0"



A2 CAT GROUP
1/4" = 1'-0"



A4 PUPPY KENNELS
1/4" = 1'-0"

PLAN NORTH / TRUE NORTH

GENERAL NOTES

A. INSTALL WOOD BACKING WITHIN METAL STUD WALLS FOR SECURE MOUNTING OF ALL ACCESSORIES. NO STRAP BACKING ON TOILET PARTITIONS, GRAB BARS, COUNTERTOP SUPPORTS, WALL DOOR BUMPERS, & SHELF SUPPORTS.(SEE SPECIFICATIONS)
B. CONTRACTOR TO VERIFY ALL FIELD DIMENSIONS PRIOR TO FABRICATION AND INSTALLATION OF BUILT-IN CASEWORK.
C. DIMENSIONS ARE TO FACE OF CMU OR FACE OF METAL STUD OR TO COLUMN GRID.
D. INSTALL CORNER GUARDS AT ALL 90 DEGREE INTERSECTIONS OF INTERIOR WALLS.
E. SEE SHEET A-601 FOR WALL PARTITION TYPES.
F. APPLIANCES SHOWN (FREEZER, SHELVING) ARE PROVIDED BY OWNER AND CONTRACTOR INSTALLED.
G. SEE Q-101 FOR EQUIPMENT SCHEDULE

REFERENCE KEYNOTES

09 6513.R01	RESILIENT BASE
09 7723.A	ACOUSTICAL PANEL

SHEET KEYNOTES

165	DASHED LINE INDICATES SOFFIT ABOVE.
325	PLUMBING FIXTURE.
329	PLUMBING FLOOR DRAIN.
579	SOLID SURFACE COUNTERTOP.
581	BASE CABINET.
595	CONCEALED TRIPLE WALL HYDRANT.

TOILET ACCESSORY SCHEDULE

LABEL	DESCRIPTION	MOUNTING HEIGHT	USAGE
T1	36" GRAB BAR	33" - 36" AFF	TOILET
T2	42" GRAB BAR	33" - 36" AFF	TOILET
T3	18" VERTICAL GRAB BAR	48" AFF TO CENTER LINE OF BAR	TOILET
T4	SURFACE MOUNTED PAPER TOWEL DISPENSER		TOILET
T5	SURFACE MOUNTED TOILET PAPER DISPENSER		TOILET
T7	24 x 36 MIRROR	40" AFF	
T9	SURFACE-MOUNTED SOAP DISPENSER		TOILET

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STATE OF NEW MEXICO
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No. 4238
REGISTERED ARCHITECT
09/23/2025

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SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA RD
BERNALILLO, NM

PROJECT NO.:	R314624.52
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
4	09/23/2025	100% CDs
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2	05/16/2025	70% CDs
1	12/23/2024	Design Development

ENLARGED PLANS, AND INTERIOR ELEVATIONS

A-403

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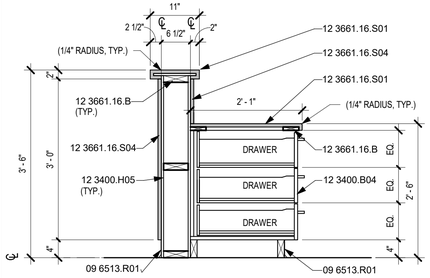
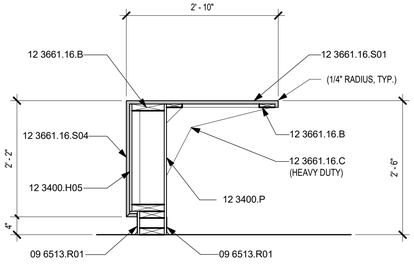


C1 DESK SECTION
3/4" = 1'-0"



C2 DESK SECTION
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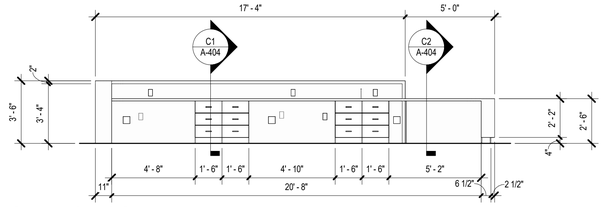

D3 RECEPTION DESK SOUTH
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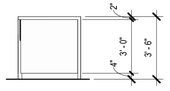

D1 RECEPTION DESK EAST
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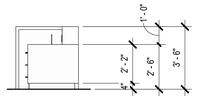
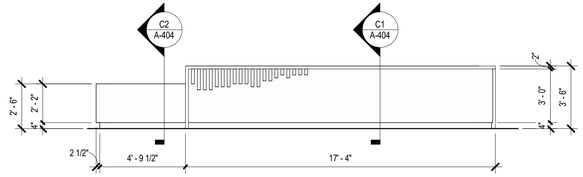
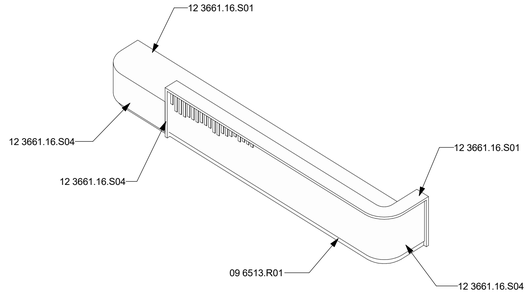


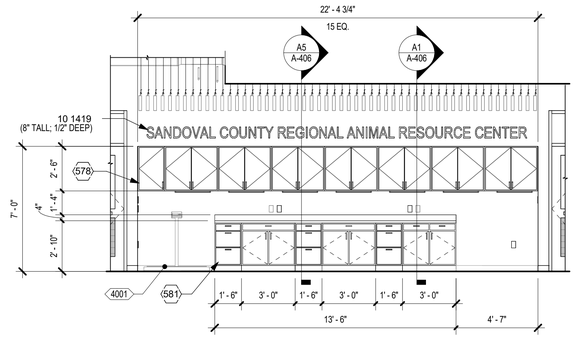
D2 RECEPTION DESK WEST
1/4" = 1'-0"



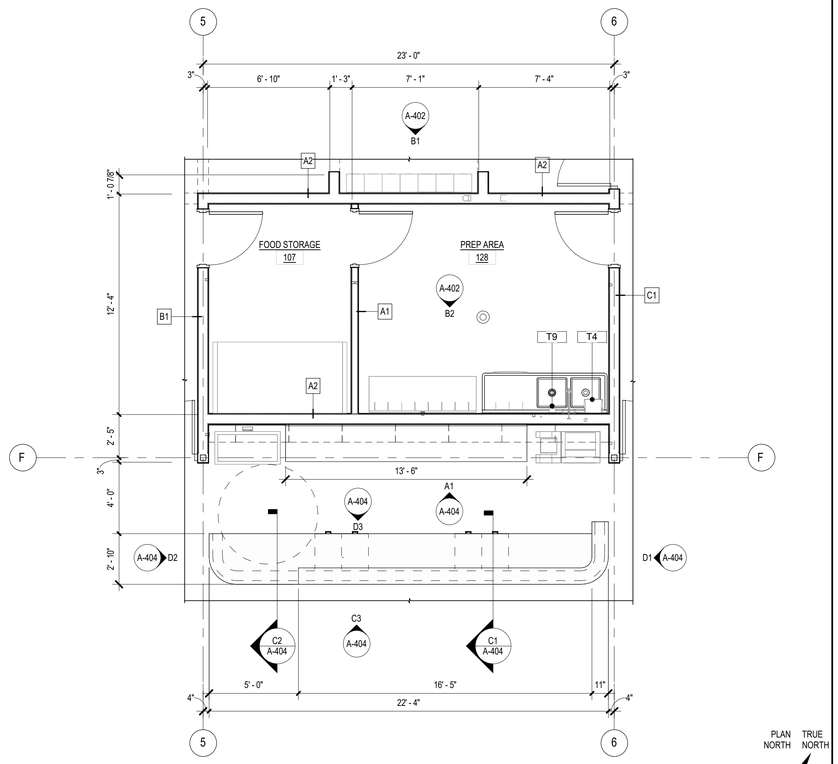
C3 RECEPTION DESK NORTH
1/4" = 1'-0"



B1 RECEPTION DESK



A1 RECEPTION ELEVATION
1/4" = 1'-0"



A3 LOBBY
1/4" = 1'-0"

PLAN NORTH / TRUE NORTH

GENERAL NOTES

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F. APPLIANCES SHOWN (FREEZER, SHELVING) ARE PROVIDED BY OWNER AND CONTRACTOR INSTALLED.
G. SEE Q-101 FOR EQUIPMENT SCHEDULE

REFERENCE KEYNOTES

09 6513.R01	RESILIENT BASE
10 1419	DIMENSIONAL LETTER SIGNAGE
12 3400.B04	BASE CABINET
12 3400.H05	1/2" HARDWOOD PLYWOOD
12 3400.P	PLASTIC LAMINATE
12 3661.16.B	BLOCKING
12 3661.16.C	COUNTERTOP SUPPORT BRACKET
12 3661.16.S01	SOLID SURFACE COUNTERTOP
12 3661.16.S04	3/4" SOLID SURFACE WALL PANEL

SHEET KEYNOTES

578	WALL CABINET.
581	BASE CABINET.

TOILET ACCESSORY SCHEDULE

LABEL	DESCRIPTION	MOUNTING HEIGHT	USAGE
T1	36" GRAB BAR	33" - 36" AFF	TOILET
T2	42" GRAB BAR	33" - 36" AFF	TOILET
T3	18" VERTICAL GRAB BAR	48" AFF TO CENTER LINE OF BAR	TOILET
T4	SURFACE MOUNTED PAPER TOWEL DISPENSER		TOILET
T5	SURFACE MOUNTED TOILET PAPER DISPENSER		TOILET
T7	24 x 36 MIRROR	40" AFF	
T9	SURFACE-MOUNTED SOAP DISPENSER		TOILET

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SANDOVAL COUNTY · STATE OF NEW MEXICO ·

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA RD
BERNALILLO, NM

PROJECT NO.:	R314624.52
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

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1	12/23/2024	Design Development

ENLARGED PLANS, AND INTERIOR ELEVATIONS

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GENERAL NOTES

A. INSTALL WOOD BACKING WITHIN METAL STUD WALLS FOR SECURE MOUNTING OF ALL ACCESSORIES. NO STRAP BACKING ON TOILET PARTITIONS, GRAB BARS, COUNTERTOP SUPPORTS, WALL DOOR BUMPERS, & SHELF SUPPORTS.(SEE SPECIFICATIONS)
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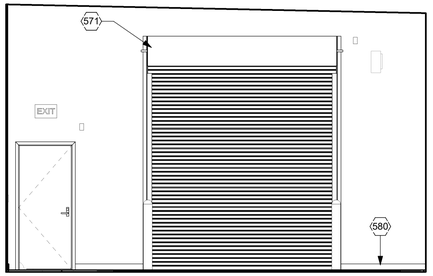
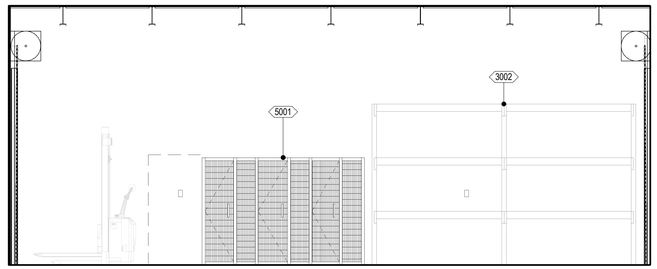
F. APPLIANCES SHOWN (FREEZER, SHELVING) ARE PROVIDED BY OWNER AND CONTRACTOR INSTALLED.
G. SEE Q-101 FOR EQUIPMENT SCHEDULE

SHEET KEYNOTES

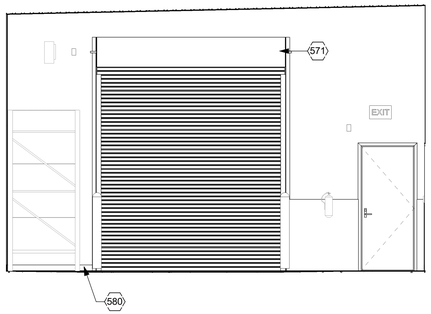
189 ELECTRICAL LIGHT FIXTURE.
269 MECHANICAL DUCTWORK.
325 PLUMBING FIXTURE.
571 OVERHEAD DOOR.
580 WALL BASE, TYPICAL.



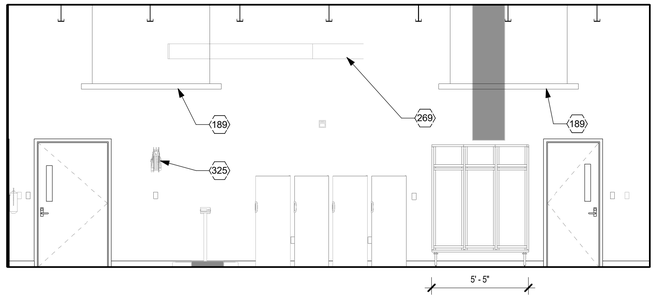
B2 GARAGE - WEST WALL
1/4" = 1'-0"



B3 GARAGE - NORTH WALL
1/4" = 1'-0"



A1 GARAGE - EAST WALL
1/4" = 1'-0"



A3 GARAGE - SOUTH WALL
1/4" = 1'-0"

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STATE OF NEW MEXICO
LAWRENCE D. McDONALD
No. 4238
REGISTERED ARCHITECT
09/23/2025

SANDOVAL COUNTY • STATE OF NEW MEXICO •

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA RD
BERNALILLO, NM

PROJECT NO.:	R314624.52
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
4	09/23/2025	100% CDs
3	07/25/2025	95% CDs
2	05/16/2025	70% CDs
1	12/23/2024	Design Development

INTERIOR ELEVATIONS

A-405

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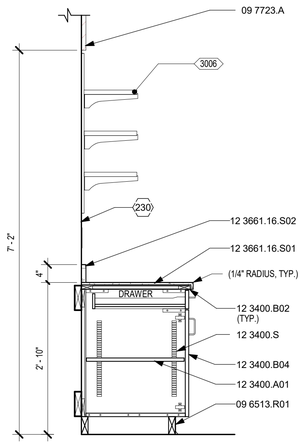
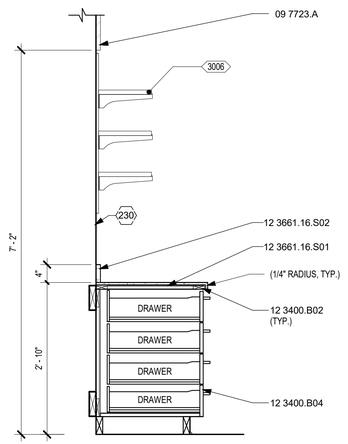


B1 CASEWORK SECTION
3/4" = 1'-0"



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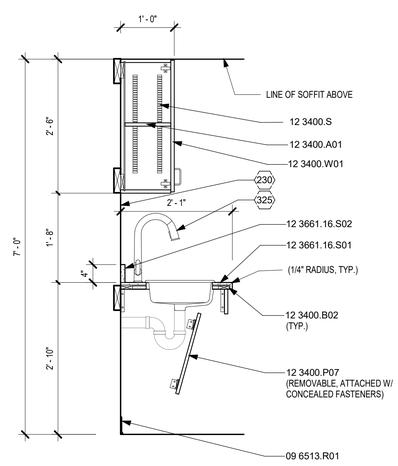

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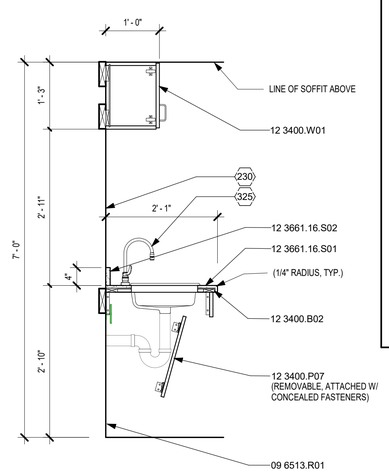

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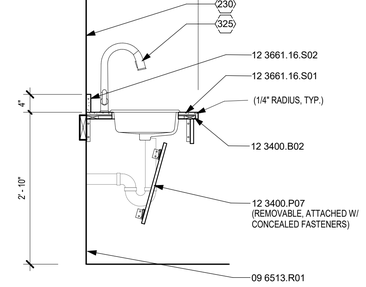

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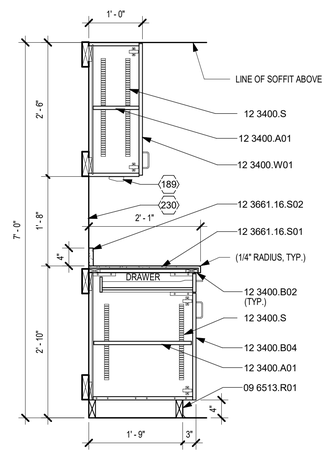
3/4" = 1'-0"



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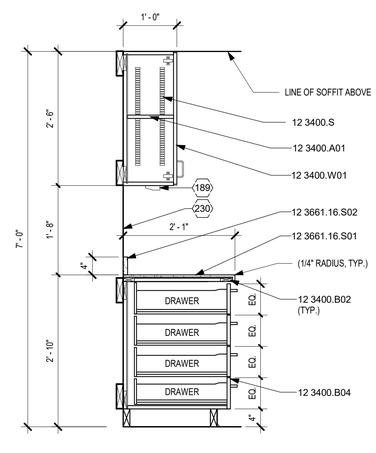

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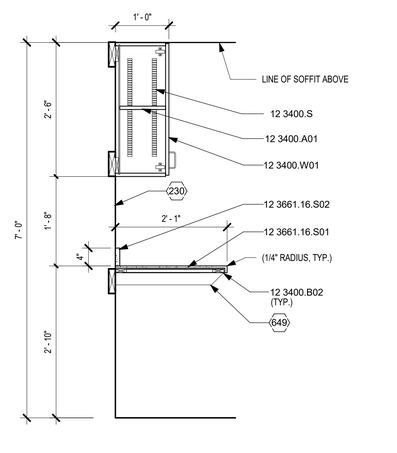

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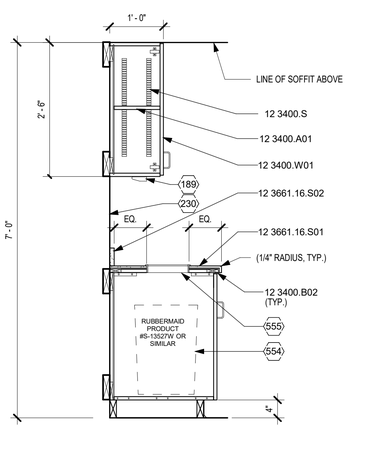

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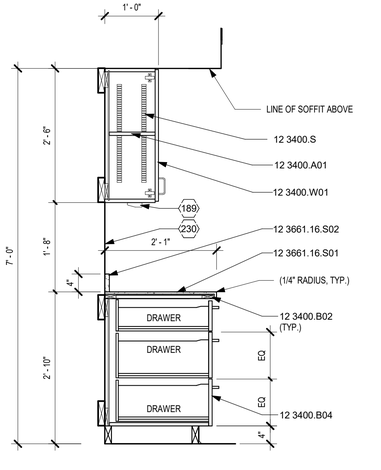

A5 CASEWORK SECTION
3/4" = 1'-0"

GENERAL NOTES

A. INSTALL WOOD BACKING WITHIN METAL STUD WALLS FOR SECURE MOUNTING OF ALL ACCESSORIES. NO STRAP BACKING ON TOILET PARTITIONS, GRAB BARS, COUNTERTOP SUPPORTS, WALL DOOR BUMPERS, & SHELF SUPPORTS.(SEE SPECIFICATIONS)
B. CONTRACTOR TO VERIFY ALL FIELD DIMENSIONS PRIOR TO FABRICATION AND INSTALLATION OF BUILT-IN CASEWORK.
C. DIMENSIONS ARE TO FACE OF CMU OR FACE OF METAL STUD OR TO COLUMN GRID.
D. INSTALL CORNER GUARDS AT ALL 90 DEGREE INTERSECTIONS OF INTERIOR WALLS.
E. SEE SHEET A-601 FOR WALL PARTITION TYPES.
F. APPLIANCES SHOWN (FREEZER, SHELVING) ARE PROVIDED BY OWNER AND CONTRACTOR INSTALLED.
G. SEE Q-101 FOR EQUIPMENT SCHEDULE

REFERENCE KEYNOTES

09 6513.R01	RESILIENT BASE
09 7723.A	ACOUSTICAL PANEL
12 3400.A01	ADJUSTABLE SHELF
12 3400.B02	BLOCKING
12 3400.B04	BASE CABINET
12 3400.P07	PLASTIC LAMINATE PANEL
12 3400.S	SHELF STANDARDS, BRACKETS
12 3400.W01	WALL CABINET
12 3661.16.S01	SOLID SURFACE COUNTERTOP
12 3661.16.S02	SOLID SURFACE BACKSPLASH

SHEET KEYNOTES

189	ELECTRICAL LIGHT FIXTURE.
230	FACE OF WALL.
325	PLUMBING FIXTURE.
554	TRASH / RECYCLING RECEPTACLE
555	SCHED. 10" DIA. SSTL GROMMET
649	COUNTER TOP SUPPORT CLEAT AT SIDE WALL

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CASEWORK SECTIONS

A-406

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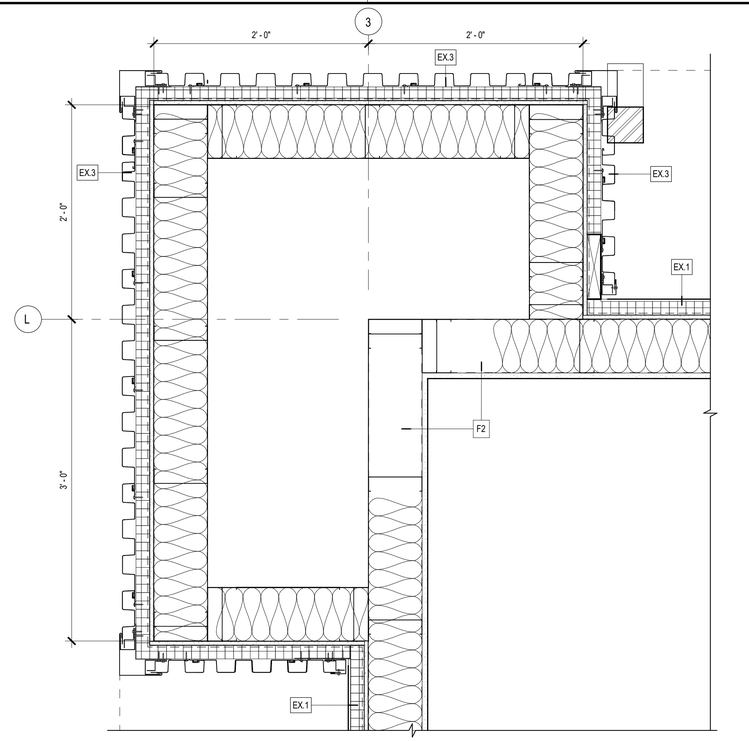
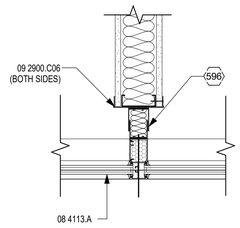


C3 **PLAN DETAIL**
1 1/2" = 1'-0"



A2 **PLAN DETAIL**
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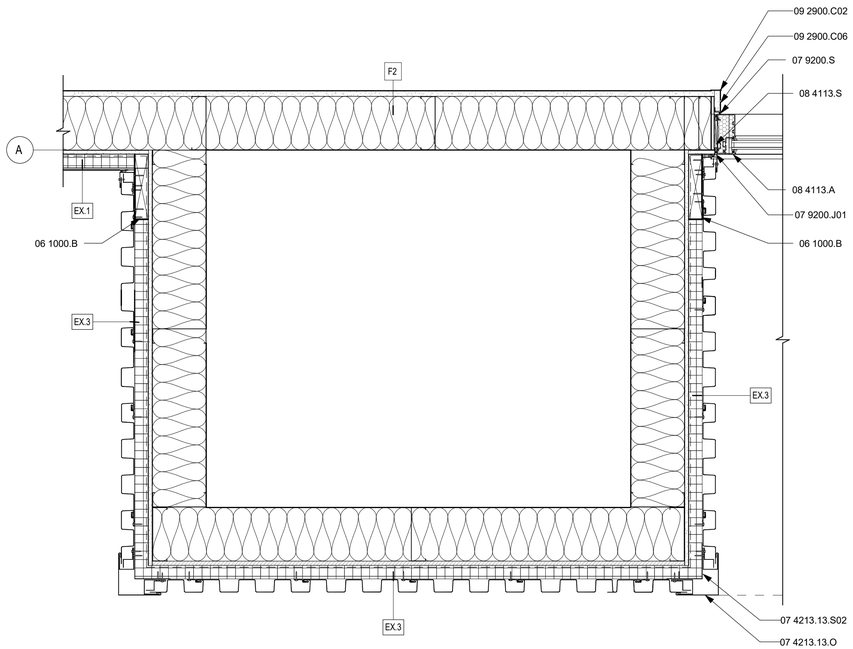

A3 **PLAN DETAIL**
1 1/2" = 1'-0"

GENERAL NOTES

REFERENCE KEYNOTES

06 1000.B	BLOCKING
07 4213.13.O	OUTSIDE CORNER FLASHING W/ "J" CHANNELS FASTENED @ 12" O.C.
07 4213.13.S02	18 GA. SUPPORT PLATE FASTENED @ EA. "Z" GIRT
07 9200.J01	JOINT SEALANT AND BACKER ROD
07 9200.S	SEALANT
08 4113.A	ALUMINUM FRAMED STOREFRONT
08 4113.S	SHIM
09 2900.C02	CORNER BEAD
09 2900.C06	CASING BEAD

SHEET KEYNOTES

596	PARTITION CLOSURE. USE "MULLION MATE" BY GORDON INCORPORATED AS BASIS OF DESIGN.

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PLAN DETAILS

A-501

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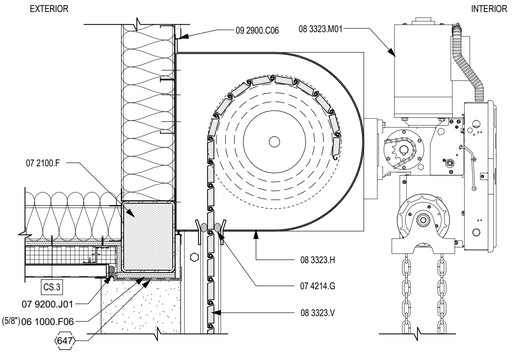
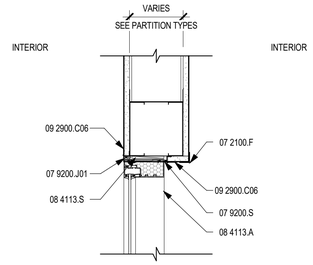


C1 EXT. OVERHEAD DOOR HEAD
1 1/2" = 1'-0"



C3 HEAD DETAIL
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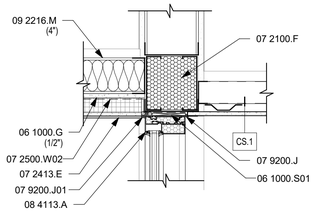

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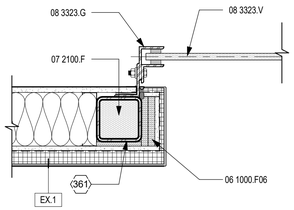
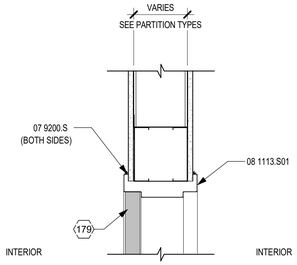
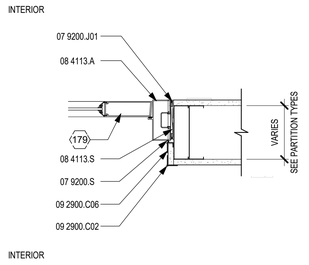
1 1/2" = 1'-0"



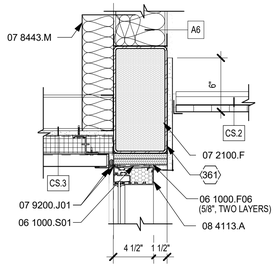
B1 EXT. OVERHEAD DOOR JAMB
1 1/2" = 1'-0"



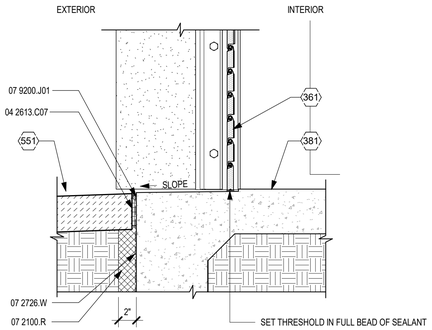
B2 DOOR HEAD @ H.M.
1 1/2" = 1'-0"



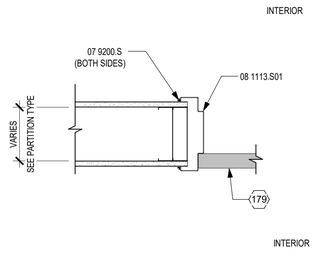
B3 Door Jamb
1 1/2" = 1'-0"



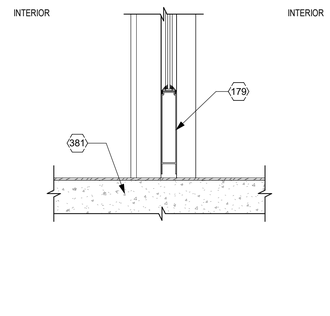
B4 HEAD DETAIL
1 1/2" = 1'-0"



A1 EXT. OVERHEAD DOOR SILL
1 1/2" = 1'-0"



A2 DOOR JAMB @ H.M.
1 1/2" = 1'-0"



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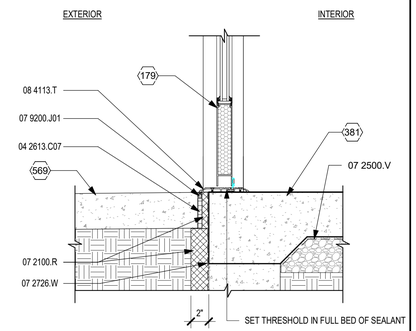

A4 DOOR SILL/THRESHOLD
1 1/2" = 1'-0"

GENERAL NOTES

REFERENCE KEYNOTES

04 2613.C07	COMPRESSIBLE FILLER
06 1000.F06	FIRE RETARDANT TREATED PLYWOOD
06 1000.G	GYPSUM SHEATHING
06 1000.S01	SHIM
07 2100.F	FOAM INSULATION
07 2100.R	RIGID INSULATION
07 2413.E	EXTERIOR INSULATION AND FINISH SYSTEM
07 2500.V	VAPOR RETARDER
07 2500.W02	WATER-RESISTIVE AIR BARRIER
07 2726.W	WATER-RESISTIVE AIR BARRIER SHEET
07 4214.G	GASKET
07 8443.M	MINERAL WOOL SAFING BOARD
07 9200.J	JOINT SEALANT
07 9200.J01	JOINT SEALANT AND BACKER ROD
07 9200.S	SEALANT
08 1113.S01	STEEL FRAME
08 3323.G	GUIDE
08 3323.H	HOOD ENCLOSURE
08 3323.M01	MANUAL HAND CHAIN
08 3323.V	OVERHEAD COILING DOOR
08 4113.A	ALUMINUM FRAMED STOREFRONT
08 4113.S	SHIM
08 4113.T	THRESHOLD
09 2216.M	METAL STUD
09 2900.C02	CORNER BEAD
09 2900.C06	CASING BEAD

SHEET KEYNOTES

179	DOOR AS SCHEDULED.
361	STRUCTURAL BEAM.
381	STRUCTURAL CAST-IN-PLACE CONCRETE SLAB.
551	ASPHALT PAVING
569	6" METAL TRACK.
647	STEEL CASING, 16 GA.

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DOOR DETAILS

A-502

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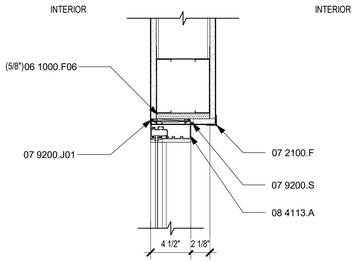
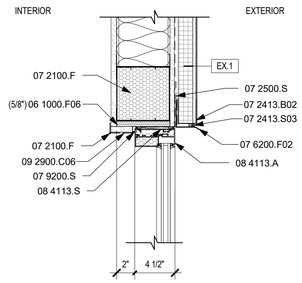


D2 **WINDOW HEAD**
1 1/2" = 1'-0"



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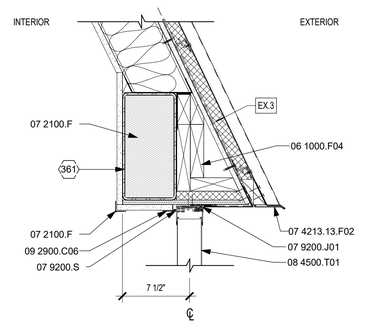

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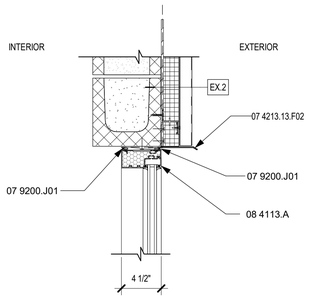

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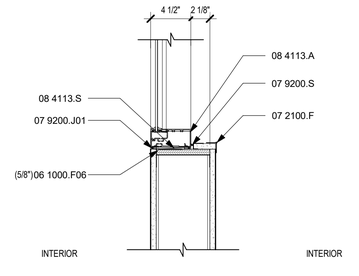

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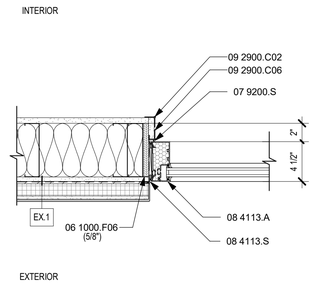

C3 **WINDOW JAMB**
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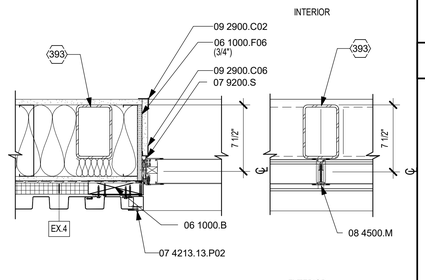

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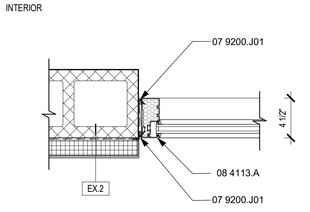

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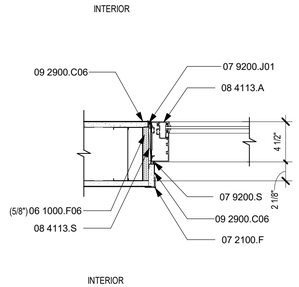

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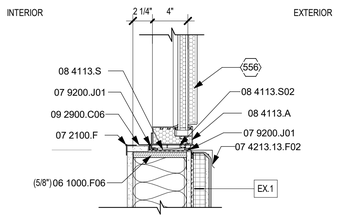
1 1/2" = 1'-0"



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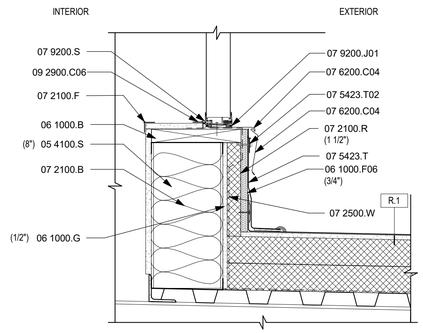
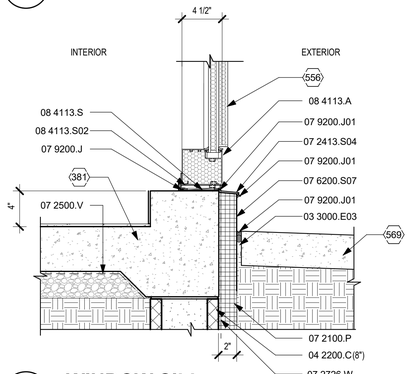
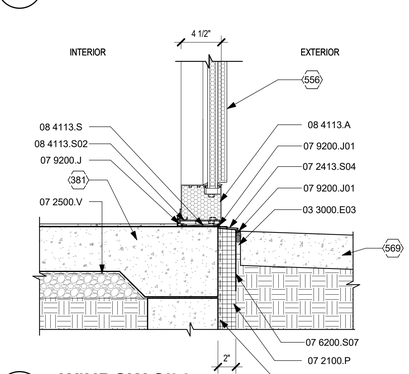


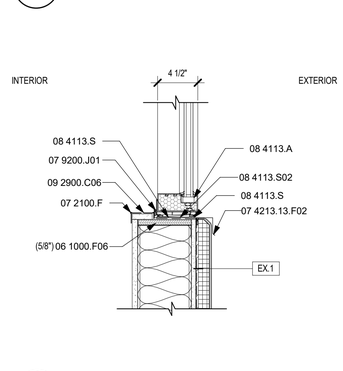
B4 **KALWALL SILL**
1 1/2" = 1'-0"



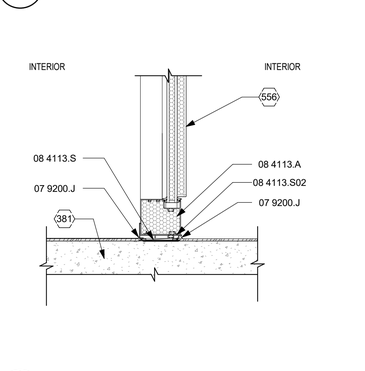
A1 **WINDOW SILL**
1 1/2" = 1'-0"



A2 **WINDOW SILL**
1 1/2" = 1'-0"



A3 **WINDOW SILL**
1 1/2" = 1'-0"



A4 **WINDOW SILL**
1 1/2" = 1'-0"

REFERENCE KEYNOTES

03 3000.E03	EXPANSION JOINT MATERIAL
04 2200.C	CONCRETE MASONRY UNITS
05 4100.S	STEEL STUD
06 1000.B	BLOCKING
06 1000.F04	FIRE RETARDANT TREATED BLOCKING
06 1000.F06	FIRE RETARDANT TREATED PLYWOOD
06 1000.G	GYPSUM SHEATHING
07 2100.B	BLANKET INSULATION
07 2100.F	FOAM INSULATION
07 2100.P	PERIMETER INSULATION
07 2100.R	RIGID INSULATION
07 2413.B02	BACK-WRAP TERMINATION
07 2413.S03	BACKER ROD AND SEALANT WITH WEEPS
07 2413.S04	FLASHING, SLOPED
07 2500.S	SELF-ADHERED FLASHING MEMBRANE
07 2500.V	VAPOR RETARDER
07 2500.W	WATER-RESISTIVE AIR BARRIER SHEET
07 2726.W	WATER-RESISTIVE AIR BARRIER SHEET
07 4213.13.F02	FLASHING
07 4213.13.P02	PRE-FINISHED METAL TRIM
07 5423.T	TPO MEMBRANE
07 5423.T02	TERMINATION BAR
07 6200.C04	COUNTERFLASHING
07 6200.F02	PREFINISHED FLASHING TO MATCH EIFS COLOR
07 6200.S07	SUB-GRADE FLASHING
07 9200.J	JOINT SEALANT
07 9200.J01	JOINT SEALANT AND BACKER ROD
07 9200.S	SEALANT
08 4113.A	ALUMINUM FRAMED STOREFRONT
08 4113.S	SHIM
08 4113.S02	SILL FLASHING
08 4500.M	MULLION SECTION
08 4500.T01	TRANSLUCENT WALL ASSEMBLY
09 2900.C02	CORNER BEAD
09 2900.C06	CASING BEAD

SHEET KEYNOTES

361	STRUCTURAL BEAM.
381	STRUCTURAL CAST-IN-PLACE CONCRETE SLAB.
393	STRUCTURAL COLUMN.
556	FORMED EDGE INFILL PANELS; MAPESHAPE INFILL PANEL OR APPROVED EQUAL.
569	6" METAL TRACK.

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www.huitt-zollars.com

STATE OF NEW MEXICO
LAWRENCE D. McDONALD
No. 4238
REGISTERED ARCHITECT
09/23/2025

SANDOVAL COUNTY · STATE OF NEW MEXICO ·

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA RD
BERNALILLO, NM

PROJECT NO.:	R314624.52
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
2	09/23/2025	100% CDs
1	07/25/2025	95% CDs

WINDOW DETAILS

A-503

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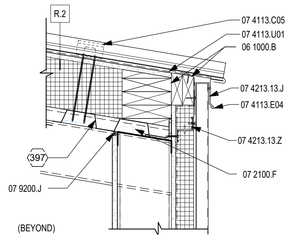
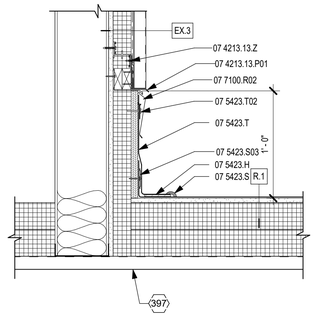
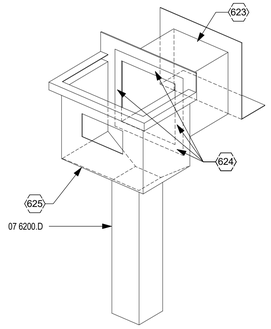
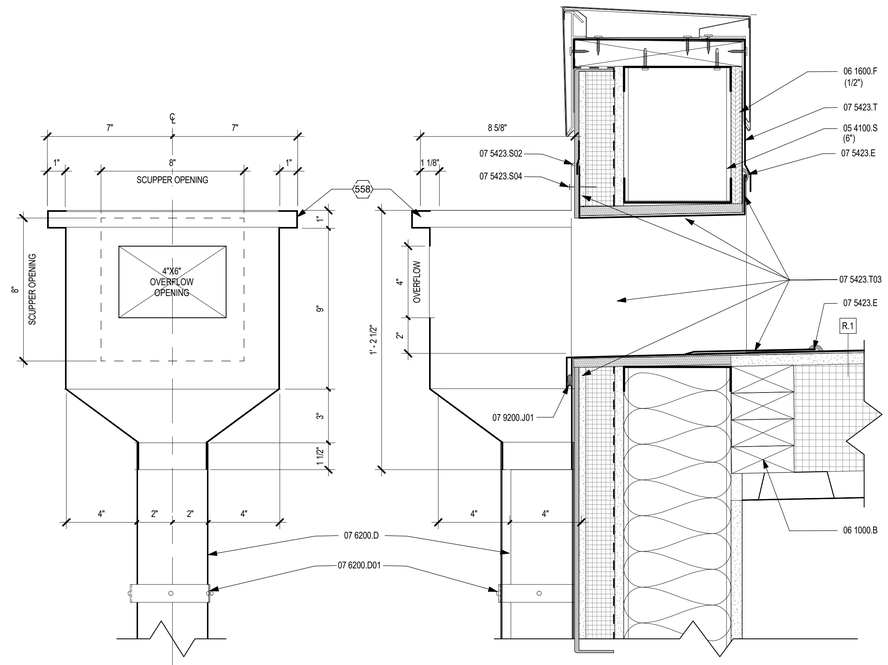


D1 EAVE DETAIL
1 1/2" = 1'-0"

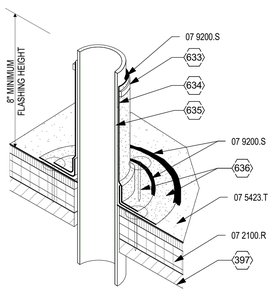


C1 ROOF DETAIL
1 1/2" = 1'-0"

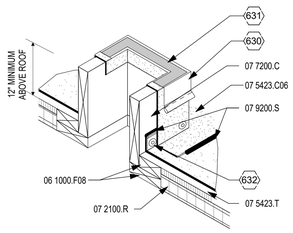




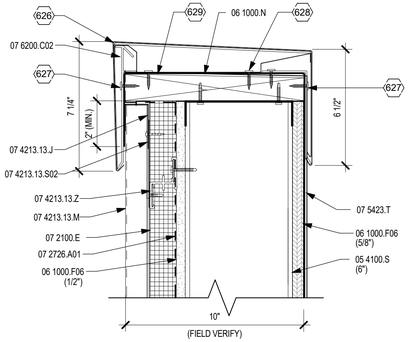
C2 SCUPPER/DOWNSPOUT CONDUCTOR HEAD DETAIL
3" = 1'-0"



B1 FIELD FABRICATED PIPE FLASHING
3/4" = 1'-0"

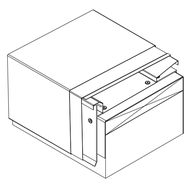


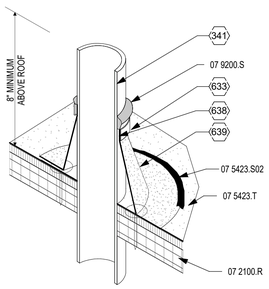
B2 MECHANICAL CURB
3/4" = 1'-0"



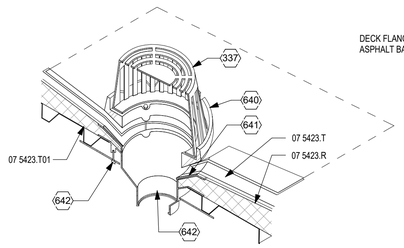
B3 PARAPET CAP @ METAL PANEL
3" = 1'-0"

COPING SYSTEM - BASIS OF DESIGN:
RAPID-LOK-ULTRA-COPING*
MANUFACTURED BY ATAS INTERNATIONAL, INC.

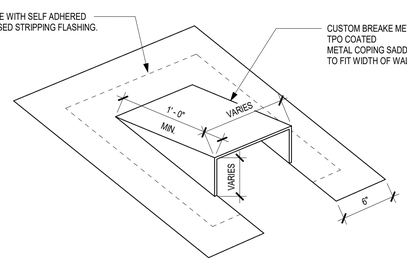




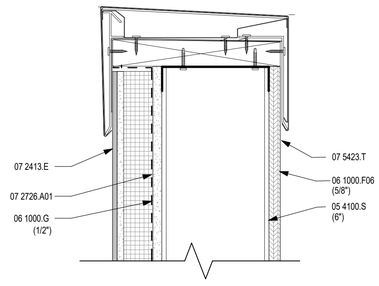
A1 PRE-MOLDED PIPE FLASHING
3/4" = 1'-0"



A2 ROOF DRAIN
1/2" = 1'-0"



A3 SADDLE FLASHING - ISOMETRIC
1 1/2" = 1'-0"



D4 PARAPET CAP @ EIFS WALL
3" = 1'-0"

GENERAL NOTES

REFERENCE KEYNOTES

05 4100.S	STEEL STUD
06 1000.B	BLOCKING
06 1000.F06	FIRE RETARDANT TREATED PLYWOOD
06 1000.F08	FIRE RETARDANT TREATED NAILER
06 1000.G	GYPSUM SHEATHING
06 1000.N	NAILER
06 1600.F	FIRE RETARDANT TREATMENT PLYWOOD
07 2100.E	EXTRUDED POLYSTYRENE BOARD INSULATION
07 2100.F	FOAM INSULATION
07 2100.R	RIGID INSULATION
07 2413.E	EXTERIOR INSULATION AND FINISH SYSTEM
07 2726.A01	AIR AND VAPOR BARRIER
07 4113.C05	CLIP
07 4113.E04	EAVE FLASHING
07 4113.U01	UNDERLAYMENT BY ROOFING MANUFACTURER
07 4213.13.J	J-TRIM
07 4213.13.M	METAL WALL PANEL
07 4213.13.P01	PRE-FINISHED FASCIA TO SOFFIT TRIM
07 4213.13.S02	18 GA. SUPPORT PLATE FASTENED @ EA. "Z" GIRT
07 4213.13.Z	Z-FURRING SYSTEM
07 5423.C06	CURB FLASHING
07 5423.E	EDGE SEALANT
07 5423.H	HOT-AIR WELD
07 5423.R	ROOF INSULATION
07 5423.S	SEAM CAULK
07 5423.S02	SEALANT
07 5423.S03	SEAM PLATE
07 5423.S04	SECURE SCUPPER METAL FLANGES @ 6" O.C.
07 5423.T	TPO MEMBRANE
07 5423.T01	TAPERED BOARD INSULATION
07 5423.T02	TERMINATION BAR
07 5423.T03	TPO COATED METAL
07 6200.C02	CLEAT
07 6200.D	DOWNSPOUT
07 6200.D01	DOWNSPOUT SUPPORT
07 7100.R02	REGLET FLASHING AND COUNTER FLASHING
07 7200.C	CURB
07 9200.J	JOINT SEALANT

SHEET KEYNOTES

07 9200.J01	JOINT SEALANT AND BACKER ROD
07 9200.S	SEALANT
337	PLUMBING ROOF DRAIN.
341	PLUMBING VENT.
397	STRUCTURAL DECK.
558	THROUGH WALL SCUPPER TO DOWNSPOUT CONDUCTOR HEAD WITH OVERFLOW CUT-OUT.
623	SCUPPER FIELD MEASURE FOR LENGTH
624	1" LIP TURN DOWN WITH 1/2" HEM. INSTALL SEALANT UNDER LIP
625	CONDUCTOR BOX
626	6" SPLICE - WITH 1/2" HEMS TO DIVERT WATER
627	10-13 X 1" STAINLESS STEEL GP FASTENERS @ 12" O.C.
628	10-13 X 1" STAINLESS STEEL GP FASTENERS. 4 PER SPRING/SPACER
629	EXTEND TPO MEMBRANE SYSTEM UP AND UNDER COPING SYSTEM. EXTEND DOWN BELOW NAILER
630	SHEET METAL COUNTERFLASHING FASTENED IN PLACE WITH NEOPRENE WASHERED SCREWS
631	SEALING MATERIAL
632	TERMINATION BAR AND FASTENERS. FIELD MEMBRANE FASTENED TO THE CURB
633	STAINLESS STEEL DRAWBAND
634	INSTALL SEALANT RECOMMENDED BY MANUFACTURER BETWEEN PIPE AND MEMBRANE FLASHING
635	PLUMBING VENT STACK OR PIPE
636	WELDED MEMBRANE FLASHING
638	INSTALL SEALANT BETWEEN PIPE AND PREFABRICATED THERMOPLASTIC ROOF MEMBRANE FLASHING
639	PREFABRICATED THERMOPLASTIC ROOF MEMBRANE FLASHING
640	CLAMPING RING
641	CONTINUOUS BEAD OF SEALANT PER ROOFING MANUFACTURER'S RECOMMENDATIONS
642	ROOF DRAIN SUMP; 1" PER 12" MAX SLOPE

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www.huitt-zollars.com

STATE OF NEW MEXICO
LAWRENCE D. McDONALD
No. 4238
REGISTERED ARCHITECT
09/23/2025

SANDOVAL COUNTY • STATE OF NEW MEXICO •

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA RD
BERNALILLO, NM

PROJECT NO.:	R314624.52
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
2	09/23/2025	100% CDs
1	07/25/2025	95% CDs

ROOF DETAILS

A-504

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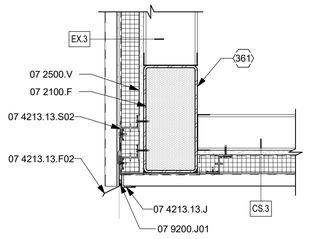
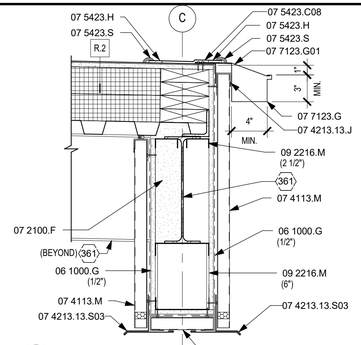
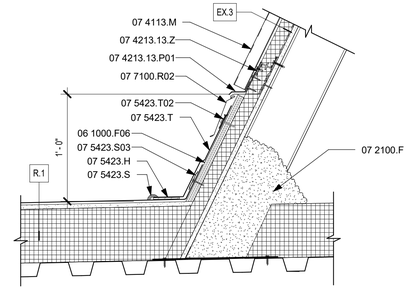


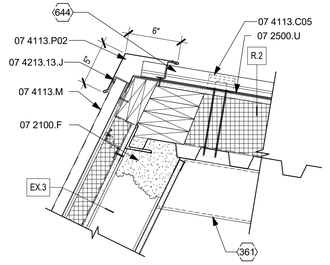
D1 SOFFIT DETAIL
1 1/2" = 1'-0"



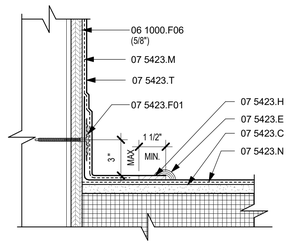
D2 EAVE DETAIL
1 1/2" = 1'-0"



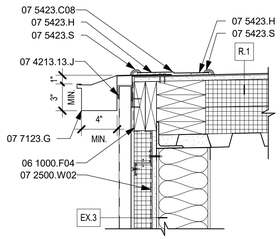
D3 ROOF DETAIL
1 1/2" = 1'-0"



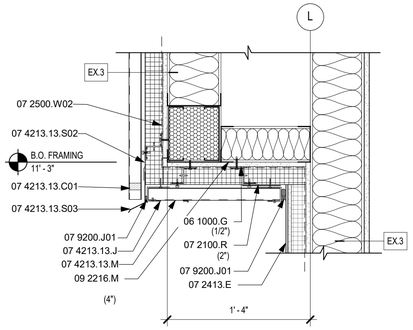
D4 ROOF DETAIL
1 1/2" = 1'-0"



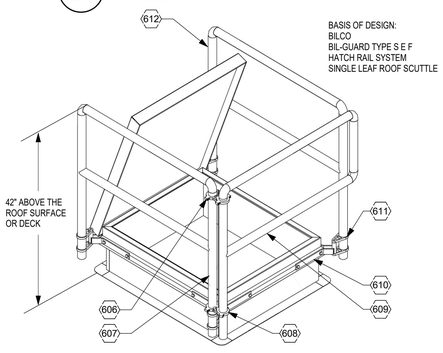
C1 DETAIL
3" = 1'-0"



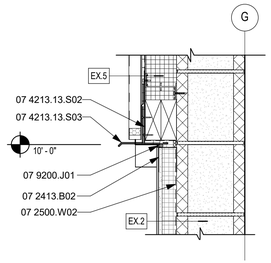
C2 EAVE DETAIL
1 1/2" = 1'-0"



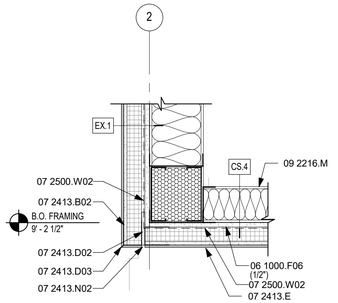
C3 DETAIL
1 1/2" = 1'-0"



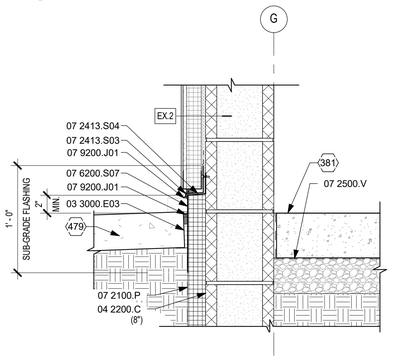
C4 ROOF HATCH SAFETY RAIL
1/2" = 1'-0"



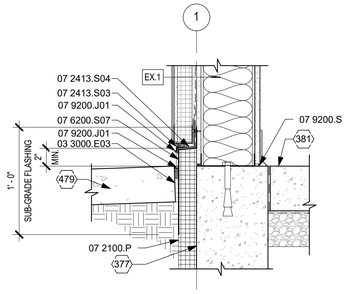
B1 DETAIL
1 1/2" = 1'-0"



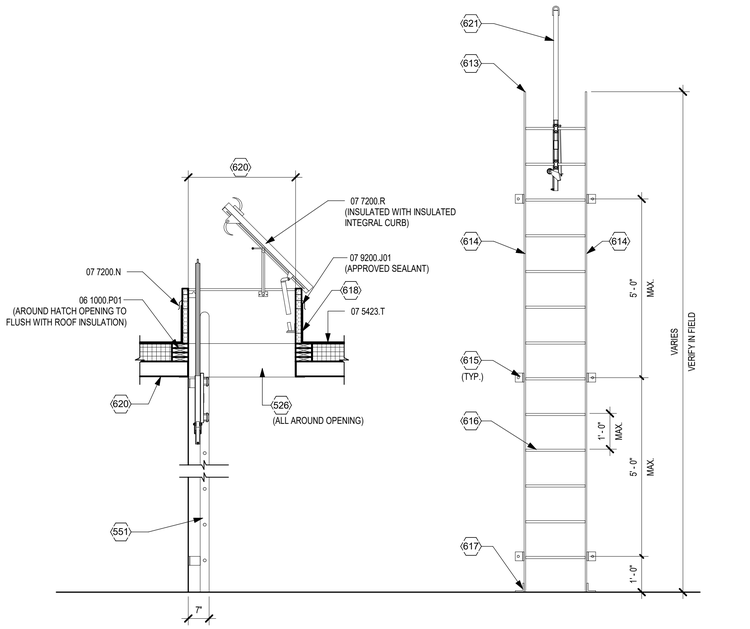
B2 DETAIL
1 1/2" = 1'-0"



A1 DETAIL - EIFS @ CMU
1 1/2" = 1'-0"



A2 DETAIL
1 1/2" = 1'-0"



A3 ROOF LADDER DETAIL
1/2" = 1'-0"

GENERAL NOTES

A. REFER TO STRUCTURAL DETAILS FOR REQUIRED CONNECTIONS AT ROOF FORM STEEL FRAMES.

REFERENCE KEYNOTES

03 3000.E03	EXPANSION JOINT MATERIAL
04 2200.C	CONCRETE MASONRY UNITS
06 1000.F04	FIRE RETARDANT TREATED BLOCKING
06 1000.F06	FIRE RETARDANT TREATED PLYWOOD
06 1000.G	GYPSUM SHEATHING
06 1000.P01	PRESSURE TREATED BLOCKING
07 2100.F	FOAM INSULATION
07 2100.P	PERIMETER INSULATION
07 2100.R	RIGID INSULATION
07 2413.B02	BACK-WRAP TERMINATION
07 2413.D02	DRAINAGE LAYER
07 2413.D03	DRIP EDGE
07 2413.E	EXTERIOR INSULATION AND FINISH SYSTEM
07 2413.N02	NOMINAL 1/4" GAP FOR DRAINAGE
07 2413.S03	BACKER ROD AND SEALANT WITH WEEPS
07 2413.S04	FLASHING, SLOPED
07 2500.U	UNDERLAYMENT
07 2500.V	VAPOR RETARDER
07 2500.W02	WATER-RESISTIVE AIR BARRIER
07 4113.C05	CLIP
07 4113.M	METAL ROOF PANEL
07 4113.P02	PEAK FLASHING
07 4213.13.C01	CLOSURE
07 4213.13.F02	FLASHING
07 4213.13.J	J-TRIM
07 4213.13.M	METAL WALL PANEL
07 4213.13.P01	PRE-FINISHED FASCIA TO SOFFIT TRIM
07 4213.13.S02	18 GA. SUPPORT PLATE FASTENED @ EA. "Z" GIRT
07 4213.13.S03	SILL FLASHING
07 4213.13.Z	Z-FURRING SYSTEM
07 5423.C	COVER BOARD
07 5423.C08	COVER STRIP
07 5423.E	EDGE SEALANT
07 5423.F01	FASTENER
07 5423.H	HOT-AIR WELD
07 5423.M	MEMBRANE ADHESIVE
07 5423.N	INSULATION ADHESIVE
07 5423.S	SEAM CAULK
07 5423.S03	SEAM PLATE
07 5423.T	TPO MEMBRANE
07 5423.T02	TERMINATION BAR
07 6200.S07	SUB-GRADE FLASHING
07 7100.R02	REGLET FLASHING AND COUNTER FLASHING
07 7123.G	GUTTER
07 7123.G01	GUTTER SUPPORT
07 7200.N	INTEGRAL CAP FLASHING
07 7200.R	ROOF HATCH
07 9200.J01	JOINT SEALANT AND BACKER ROD
07 9200.S	SEALANT
09 2216.M	METAL STUD

SHEET KEYNOTES

361	STRUCTURAL BEAM.
377	STRUCTURAL CAST-IN-PLACE CONCRETE FOUNDATION.
381	STRUCTURAL CAST-IN-PLACE CONCRETE SLAB.
479	EXTERIOR CONCRETE FLAT WORK.
526	FILL VOIDS WITH BATT INSULATION.
551	ASPHALT PAVING
606	ALUMINUM POST HINGE
607	STAINLESS STEEL TORSION ROD
608	ALUMINUM GATE HINGE
609	SELF CLOSING GATE
610	STEEL CORNER BRACKETS (HOT DIP GALVANIZED)
611	ALUMINUM POST SUPPORTS
612	FIBERGLASS REINFORCED POLYMER (FRP) YELLOW, UV RESISTANT AND FIRE RETARDANT
613	ROUND AND GRIND ENDS SMOOTH, TYP.
614	3" X 3/8" FLAT BAR SIDE RAILS, PAINTED.
615	3" X 3" X 1/4" ANGLE X 8" LONG WELD TO FLATE BAR AND LAG/EXPANSION BOLT TO BLOCKING IN WALL @ 5'-0" O.C. MAX. PAINTED.
616	3/4" DIAMETER STEEL RUNGS AT 12" O.C., WITH ABRASIVE COATING. PAINTED.
617	DRILL SLAB FOR 1/2" DIATMER EXPANSION BOLTS THRU 3" X 3" X 1/4" CLIP ANGLES EACH SIDE TO FLOOR. PAINTED
618	WRAP ENTIRE PERIMETER OF CURB WITH LIQUID APPLIED FLASHING AND COVER WITH ROOF FLASHING (CAP MATERIAL).
620	PROVIDE ROOF HATCH OPENING IN PRE-ENGINEERED ROOF TRUSS STRUCTURE PER FRAMING PLAN, SEE STRUCTURAL DRAWINGS.
621	LADDER SAFETY POST
644	SEALAN AT VERTICAL LEG AND UNDER "Z"

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STATE OF NEW MEXICO
LAWRENCE D. McDONALD
No. 4238
REGISTERED ARCHITECT
09/23/2025

SANDOVAL COUNTY STATE OF NEW MEXICO

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA RD
BERNALILLO, NM

PROJECT NO.:	R314624.52
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
2	09/23/2025	100% CDs
1	07/25/2025	95% CDs

DETAILS

A-505

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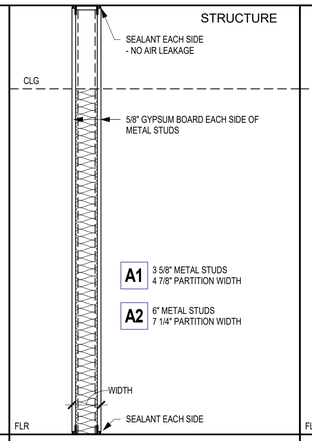
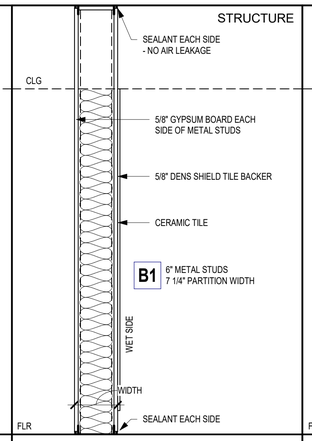
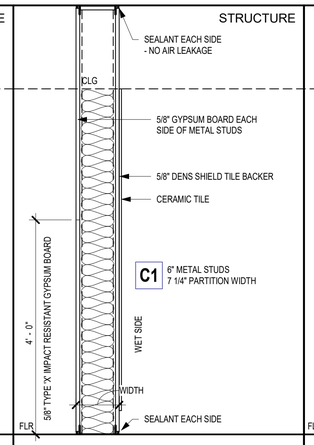
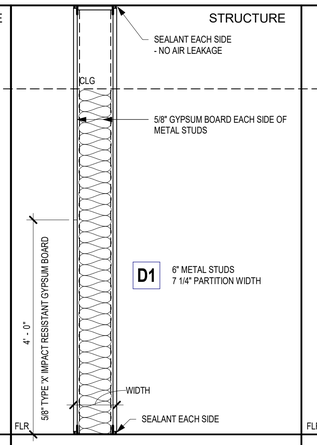
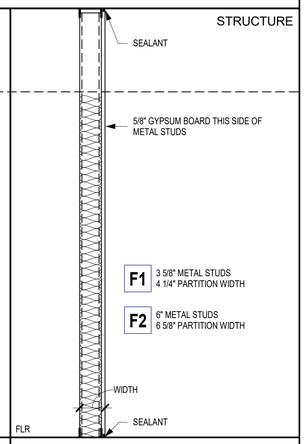
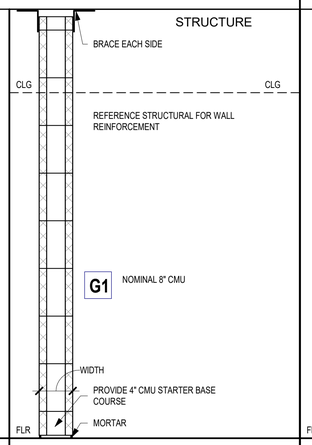
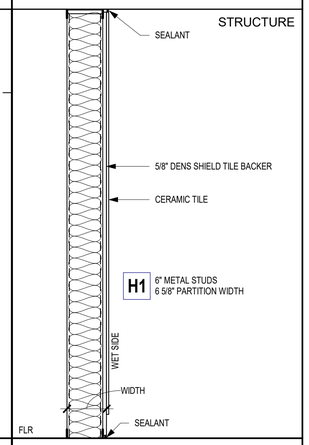
INTERIOR PARTITION TYPES

INTERIOR PARTITIONS	A	B	C	D	F
					
TAG	NON-RATED STC 40 (49 W/ 3" SAB WHERE INDICATED ON PLAN)	NON-RATED STC 40 (49 W/ 3" SAB WHERE INDICATED ON PLAN)	NON-RATED STC 40 (49 W/ 3" SAB WHERE INDICATED ON PLAN)	NON-RATED STC 40 (49 W/ 3" SAB WHERE INDICATED ON PLAN)	NON-RATED STC 40 (49 W/ 3" SAB WHERE INDICATED ON PLAN)

INTERIOR PARTITIONS	G	H
		
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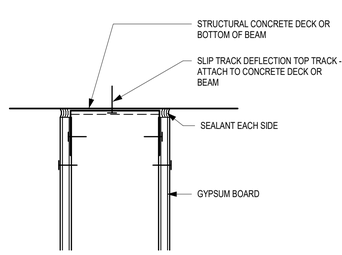
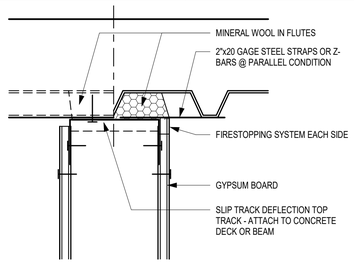


NOTE THAT PARTITIONS WITH ADDITIONAL LAYERS OF GYPSUM BOARD ARE DETAILED SIMILARLY

NON-RATED DEFLECTION TRACK

NON RATED PARTITION @ BOTTOM OF CONCRETE DECK OR BEAM



NOTE THAT PARTITIONS WITH ADDITIONAL LAYERS OF GYPSUM BOARD ARE DETAILED SIMILARLY

RATED DEFLECTION TRACK

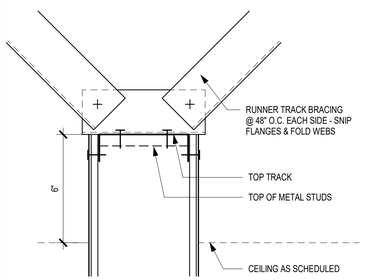
(BOTH PARALLEL / PERPENDICULAR TO FLUTES SHOWN)

PARTITION DEFLECTION & FIRESTOPPING

TERMINATE ALL DRYWALL PARTITIONS EXTENDING TO THE STRUCTURAL DECK ABOVE W/ DEFLECTION TRACKS.

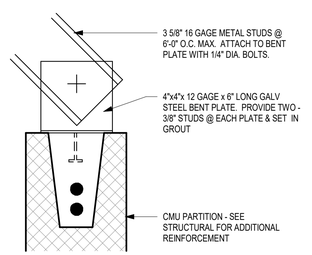
DETAILS DRAWN THIS SET ARE BASED ON THE SLIPTRACK SYSTEM BY BRADY INNOVATIONS | CLARK DIETRICH - www.sliptrack.com

- RATED PARTITIONS INDICATE USE OF SPRAY APPLIED TYPE FIRESTOPPING SYSTEMS - REFER TO MANUFACTURER'S DATA FOR FULL SYSTEM DESCRIPTION & INSTALLATION CRITERIA



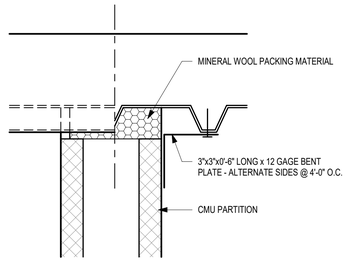
NON-RATED BRACED TO STRUCTURE

NON RATED GYPSUM BOARD PARTITION BRACED TO STRUCTURE ABOVE



CMU - TOP OF WALL

FOR PARTITIONS NOT EXTENDING TO DECK ABOVE



CMU - NON RATED

(BOTH PARALLEL / PERPENDICULAR TO FLUTES SHOWN)

GENERAL SHEET NOTES

A. REFER TO OTHER SCHEDULES AND DETAILS FOR FINISHES.
B. INTERIOR METAL STUD FRAMING TO BE 25 GAGE (MINIMUM) @ 16" O.C., U.N.O.
   a. PROVIDE FULL HEIGHT 25 GAGE METAL STUDS @16" O.C. AT PARTITIONS WITH WALL MOUNTED ITEMS SUCH AS CABINETRY.
   b. PROVIDE FULL HEIGHT 25 GAGE DOUBLE STUDS @ EACH DOOR AND WINDOW / BORROWED LIGHT JAMB, UNLESS DETAILED OTHERWISE.
   c. PROVIDE 16 GAGE METAL STRAP BLOCKING FOR ALL WALL MOUNTED ITEMS, UNLESS NOTED OR DETAILED OTHERWISE. EXTEND BLOCKING ACROSS 3 STUDS MINIMUM.
C. FOR PARTITIONS THAT EXTEND TO STRUCTURE, THE "LINE OF STRUCTURE" AS SHOWN AT THE HEAD CONDITION OF EACH PARTITION TYPE IS DIAGRAMMATIC ONLY AND DOES NOT INDICATE EXACT CONSTRUCTION CONDITIONS.
   a. TERMINATE RATED PARTITIONS AT THE UNDERSIDE OF STRUCTURAL DECK AND MAINTAIN RATING. PROVIDE APPROPRIATE DRYWALL FRAMING TO OFFSET AROUND STRUCTURE OR OTHER OBSTRUCTIONS SUCH AS PIPING OR DUCT WORK.
   b. PARTITIONS MAY TERMINATE AT STRUCTURAL MEMBERS WITH A FIRE RATING GREATER THAN OR EQUAL TO THE PARTITION, PROVIDED THAT RATING IS CONTINUOUS TO THE STRUCTURAL DECK ABOVE.
   c. NON-RATED PARTITIONS THAT EXTEND TO STRUCTURE SHALL TERMINATE AT UNDERSIDE OF STRUCTURAL DECK TO MAINTAIN A CONTINUOUS PLANE OF GYPSUM BOARD AS A SMOKE, NOISE, OR SIMILAR TYPE OF BARRIER.
D. TERMINATE ALL PARTITIONS EXTENDING TO STRUCTURE ABOVE SHALL BE DONE WITH DEFLECTION TRACKS - REFER TO SHEET BRACE ALL GYPSUM BOARD PARTITIONS NOT EXTENDING TO STRUCTURE ABOVE.
E. NON-RATED PARTITIONS TO HAVE ACOUSTICAL SEALANT AT THE HEAD, SILL, AND JUNCTURES WITH DISSIMILAR MATERIALS AND ALL AROUND PENETRATIONS AND OPENINGS.
F. IDENTIFY ALL FIRE RESISTANCE AND /OR SMOKE RATED PARTITIONS WITH LABELS 12 INCHES ABOVE THE CEILING OR 10 FEET MAX. ABOVE THE FLOOR IF NO CEILING. USE 1 1/2" HIGH LETTERS, CLEARLY LEGIBLE & READABLE AGAINST A CONTRASTING BACKGROUND.
G. UL DESIGN NUMBERS REFER TO THE FIRE UNDERWRITERS LABORATORY RESISTANCE DIRECTORY, LATEST EDITION.
H. FIRE RESISTANCE RATED PARTITIONS TO HAVE FIRESTOPPING SEALANT AT THE HEAD, SILL, AND JUNCTURES WITH DISSIMILAR MATERIALS SUCH AS PIPES, DUCTS, CONDUITS, ETC.
I. ALL EXPOSED GYPSUM WALLS AT WET AREAS SHALL BE 5/8" TYPE 'X' MOLD AND MOISTURE RESISTANCE GYPSUM WALL BOARD (TAPED, TEXTURED AND PAINTED).
J. PROVIDE CONTROL JOINTS AT GYPSUM WALL BOARD WHERE OPENINGS ARE OVER 32".
K. PROVIDE 6" WIDE STRIP OF REINFORCING MESH AT ALL DENS SHIELD ANGLES AND EMBED WITH AN ACRYLIC BASED, FIBER-REINFORCED, FLEXIBLE ADHESIVE AND WATERPROOFER.

PARTITION NOTES

REFER TO FLOOR PLANS FOR LOCATIONS AND IDENTIFICATION OF ALL FIRE RESISTANCE AND / OR SMOKE RATED PARTITIONS.
- REFER TO THE PARTITION PRIORITY LEGEND FOR CONDITIONS WHERE FIRE RATED PARTITIONS INTERSECT OTHER PARTITIONS. NOTE THAT PARTITIONS SHALL BE CONTINUOUS THROUGH PARTITION INTERSECTIONS WITH PRIORITY GIVEN TO THE HIGHEST RATING.

PARTITION TYPES SHOWN THIS SHEET REFER TO BASE WALL ONLY. REFER TO OTHER SCHEDULES AND DETAILS FOR FINISHES.

INTERIOR PARTITIONS ARE DIMENSIONED FROM THE FACE OF FINISH - GYPSUM BOARD, TILE, ETC.

REFER TO THE GYPSUM BOARD MATERIAL SCHEDULE THIS SHEET FOR A DESCRIPTION OF THE TYPE OF GYPSUM BOARD PANELS AND WHERE THEY ARE USED.

INTERIOR METAL STUD FRAMING TO BE 22 GAGE (MINIMUM) @ 16" O.C., UNLESS NOTED OTHERWISE
- PROVIDE FULL HEIGHT 20 GAGE METAL STUDS @16" O.C. AT PARTITIONS WITH WALL MOUNTED ITEMS SUCH AS CABINETRY.
- PROVIDE FULL HEIGHT 20 GAGE DOUBLE STUDS @ EACH DOOR AND WINDOW / BORROWED LIGHT JAMB, UNLESS DETAILED OTHERWISE.
- PROVIDE 16 GAGE METAL STRAP BLOCKING FOR ALL WALL MOUNTED ITEMS, UNLESS NOTED OR DETAILED OTHERWISE. EXTEND BLOCKING ACROSS 3 STUDS MINIMUM.

FOR PARTITIONS THAT EXTEND TO STRUCTURE, THE "LINE OF STRUCTURE" AS SHOWN AT THE HEAD CONDITION OF EACH PARTITION TYPE IS DIAGRAMMATIC ONLY AND DOES NOT INDICATE EXACT CONSTRUCTION CONDITIONS.
- TERMINATE RATED PARTITIONS AT THE UNDERSIDE OF STRUCTURAL DECK AND MAINTAIN RATING. PROVIDE APPROPRIATE DRYWALL FRAMING TO OFFSET AROUND STRUCTURE OR OTHER OBSTRUCTIONS SUCH AS PIPING OR DUCT WORK.
- PARTITIONS MAY TERMINATE AT STRUCTURAL MEMBERS WITH A FIRE RATING GREATER THAN OR EQUAL TO THE PARTITION, PROVIDED THAT RATING IS CONTINUOUS TO THE STRUCTURAL DECK ABOVE.
- NON-RATED PARTITIONS THAT EXTEND TO STRUCTURE SHALL TERMINATE AT UNDERSIDE OF STRUCTURAL DECK TO MAINTAIN A CONTINUOUS PLANE OF GYPSUM BOARD AS A SMOKE, NOISE, OR SIMILAR TYPE OF BARRIER.

TERMINATE ALL PARTITIONS EXTENDING TO STRUCTURE ABOVE SHALL WITH DEFLECTION TRACKS - SEE TYPICAL DETAILS THIS SHEET.
- BRACE ALL GYPSUM BOARD PARTITIONS NOT EXTENDING TO STRUCTURE ABOVE.

IDENTIFY ALL FIRE RESISTANCE AND / OR SMOKE RATED PARTITIONS WITH LABELS 12 INCHES ABOVE THE CEILING OR 10 FEET MAX. ABOVE THE FLOOR IF NO CEILING. USE 1 1/2" HIGH LETTERS, CLEARLY LEGIBLE & READABLE AGAINST A CONTRASTING BACKGROUND.

UL DESIGN NUMBERS REFER TO THE UNDERWRITERS LABORATORY FIRE RESISTANCE DIRECTORY, LATEST EDITION.

FIRE RESISTANCE RATED PARTITIONS TO HAVE FIRESTOPPING SEALANT AT THE HEAD, SILL, AND JUNCTURES WITH DISSIMILAR MATERIALS, SUCH AS PIPES, DUCTS, CONDUITS, ETC.

NON-RATED PARTITIONS TO HAVE ACOUSTICAL SEALANT CONTINUOUS AT THE HEAD, SILL, AND JUNCTURES WITH DISSIMILAR MATERIALS AND ALL AROUND PENETRATIONS AND OPENINGS.

STC RATINGS SHOWN ARE BASED ON LABORATORY TESTED ASSEMBLIES AND WILL NOT NECESSARILY REFLECT THE ACTUAL PERFORMANCE OF THE COMPLETED PARTITIONS.

HUITT ZOLLARS
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www.huitt-zollars.com

STATE OF NEW MEXICO
LAWRENCE D. McDONALD
No. 4238
REGISTERED ARCHITECT
09/23/2025

SANDOVAL COUNTY • STATE OF NEW MEXICO •

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA RD
BERNALILLO, NM

PROJECT NO.:	R314624.52
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
4	09/23/2025	100% CDs
3	07/25/2025	95% CDs
2	05/16/2025	70% CDs
1	12/23/2024	Design Development

PARTITION TYPES AND DETAILS

A-601

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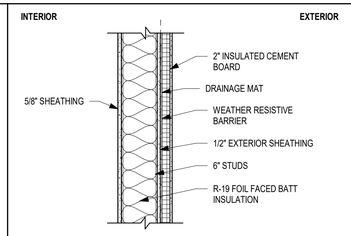
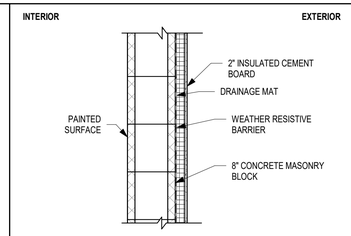
EXTERIOR WALL SYSTEMS

EXTERIOR PARTITION TYPE

EX.1



EX.2



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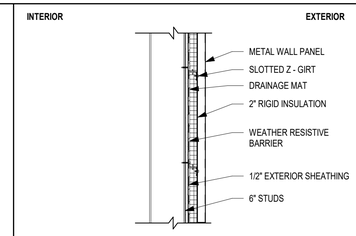

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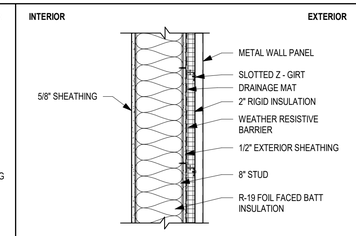

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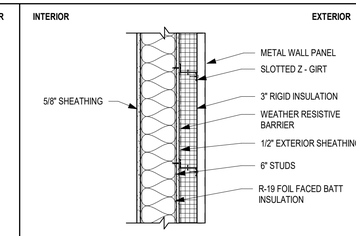

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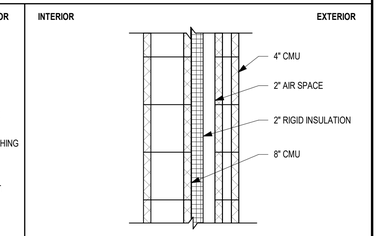
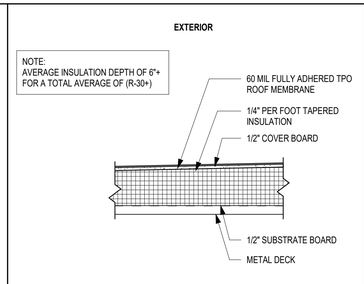


TAG

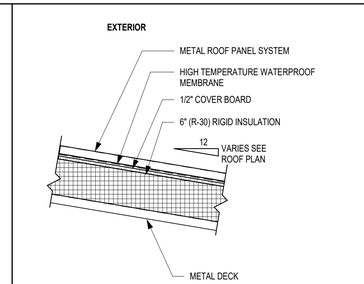
ROOF SYSTEMS

ROOF TYPES

R.1



R.2



TAG

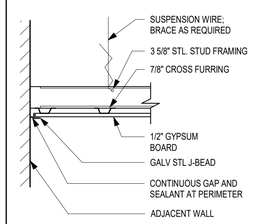
R.1

R.2

CEILING SYSTEMS

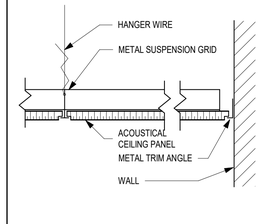
CEILING TYPES

CS.1



NOTE:
- SUSPENDED GWB CEILING SYSTEM

CS.2



CS.2 ACOUSTIC CEILING TILE 24"x48"

NOTE:
- SUSPENDED ACOUSTICAL CEILING TILE SYSTEM

TAG

HUITT ZOLLARS
6501 Americas Parkway NE, Suite 830
Albuquerque, New Mexico 87110-5375
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1	12/23/2024	Design Development

EXTERIOR WALL, ROOF AND CEILING SYSTEMS

A-602

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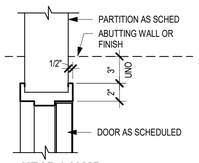
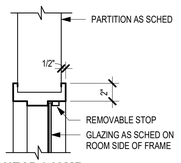
DOOR SCHEDULE - KENNELS

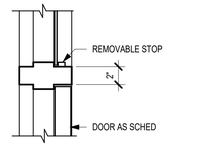
DOOR NUMBER	WIDTH	HEIGHT	PAIR	FRAME ELEVATION	FRAME MATERIAL	GLAZING	FIRE RATING	FRAME ELEVATION	FRAME MATERIAL	FRAME GLAZING	HARDWARE	COMMENTS
201	3' - 8"	7' - 0"	N	F	HM	-	N	10	HM	GL-5	6.0	
201A	3' - 8"	7' - 0"	N	F	HM	-	N	10	HM	GL-5	6.0	
201B	3' - 8"	7' - 0"	N	F	HM	-	N	10	HM	GL-5	6.0	
201C	3' - 8"	7' - 0"	N	F	HM	-	N	10	HM	GL-5	6.0	
202	3' - 8"	7' - 0"	N	F	HM	-	N	10	HM	GL-1	25.0	
202A	3' - 8"	7' - 0"	N	F	HM	-	N	10	HM	GL-5	6.0	
202B	3' - 8"	7' - 0"	N	F	HM	-	N	10	HM	GL-5	6.0	
203	3' - 0"	7' - 0"	N	F	HM	-	N	10	HM	GL-1	16.0	
204	3' - 8"	7' - 0"	N	F	HM	-	N	10	HM	GL-5	6.0	
204A	3' - 8"	7' - 0"	N	F	HM	-	N	10	HM	GL-5	6.0	
204B	3' - 8"	7' - 0"	N	F	HM	-	N	10	HM	GL-1	25.0	
206	3' - 0"	7' - 0"	N	F	HM	-	N	10	HM	GL-5	3.0	
208	3' - 0"	7' - 0"	N	F	HM	-	N	10	HM	GL-5	7.0	
209	3' - 0"	7' - 0"	N	F	HM	-	N	10	HM	GL-5	5.0	



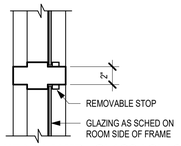
HEAD / JAMB - CONVENTIONAL DOOR & FRAME



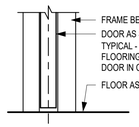
HEAD / JAMB - CONVENTIONAL DOOR & FRAME



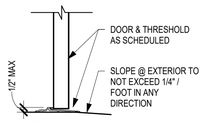
HEAD / JAMB - DOOR / GLASS @ MULLION



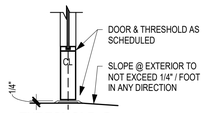
HEAD / JAMB - GLASS / GLASS @ MULLION



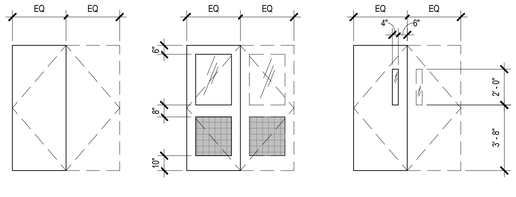
SILL - TYPICAL



THRESHOLD @ HOLLOW METAL DOOR



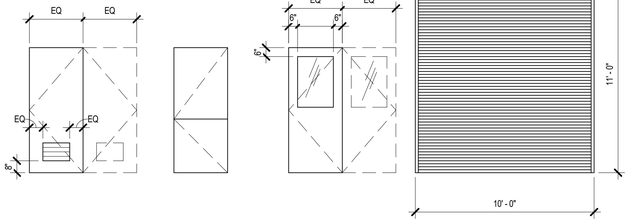
THRESHOLD @ STOREFRONT / SLIDING DOORS



F FLUSH SINGLE / DOUBLE DOOR

HL HALF LITE

NL NARROW LITE



L LOUVER

D DUTCH

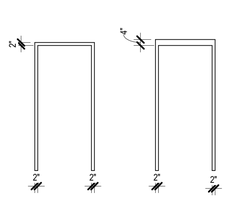
HG HALF-GLASS

OH OVERHEAD DOOR

DOOR TYPE

DOOR SCHEDULE

DOOR NUMBER	DOOR WIDTH	DOOR HEIGHT	DOOR PAIR	DOOR TYPE	DOOR MATERIAL	DOOR GLAZING	DOOR FIRE RATING	FRAME ELEVATION	FRAME MATERIAL	FRAME GLAZING	HARDWARE	COMMENTS
101A	6' - 0"	7' - 0"	Y	P	ALUM	GL-2,GL-5		5	ALUM	GL-2,GL-5	1.0	
101B	6' - 0"	7' - 0"	Y	P	ALUM	GL-2,GL-5		6	ALUM	GL-2,GL-5	12.0	
102A	3' - 0"	7' - 0"	N	HL	ALUM	GL-1,GL-2	-	4	ALUM	GL-1,GL-2	8.0	
102B	3' - 0"	7' - 0"	N	HL	ALUM	GL-1,GL-2	-	4	ALUM	GL-1,GL-2	8.0	
102C	3' - 0"	7' - 0"	N	HL	ALUM	GL-2,GL-5	-	4	ALUM	GL-2,GL-5	2.0	
103	3' - 0"	7' - 0"	N	HL	ALUM	GL-1,GL-2	-	7	HM	GL-1,GL-2	11.0	
103A	3' - 0"	7' - 0"	N	HL	ALUM	GL-1,GL-2	-	8	ALUM	GL-1,GL-2	9.0	
104	3' - 0"	7' - 0"	N	HL	WD	-		3	HM	GL-1,GL-2	18.0	
105	3' - 0"	7' - 0"	N	HL	WD	-		3	HM	GL-1,GL-2	18.0	
106	3' - 0"	7' - 0"	N	F	WD	-	-	1	HM	-	16.0	
107	3' - 0"	7' - 0"	N	F	WD	-	-	1	HM	-	16.0	
108	3' - 0"	7' - 0"	N	HL	ALUM	GL-2,GL-5	-	4	ALUM	GL-2,GL-5	2.0	
109	3' - 0"	7' - 0"	N	HL	WD	-		3	HM	GL-1,GL-2	18.0	
110	3' - 0"	7' - 0"	N	HL	WD	-		3	HM	GL-1,GL-2	18.0	
111	3' - 0"	7' - 0"	N	HL	WD	-		3	HM	GL-1,GL-2	18.0	
112	3' - 0"	7' - 0"	N	HL	WD	-		3	HM	GL-1,GL-2	24.0	
113	3' - 0"	7' - 0"	N	F	WD	-	-	1	HM	-	13.0	
114	3' - 0"	7' - 0"	N	F	HM	-	-	1	HM	-	17.0	
115	4' - 0"	7' - 0"	N	F	HM	-	-	1	HM	-	5.0	
115A	3' - 0"	7' - 0"	N	HL	WD	-		3	HM	GL-1,GL-2	18.0	
116	3' - 0"	7' - 0"	N	HL	WD	-		3	HM	GL-1,GL-2	18.0	
117	3' - 0"	7' - 0"	N	NL	HM	GL-1		1	HM	-	19.0	
117A	3' - 0"	7' - 0"	N	F	HM	-	-	1	HM	-	4.0	
117B	10' - 0"	11' - 0"	N	OH	STL	-			STL	-	26.0	INSULATED HEAVY-DUTY ROLLING SERVICE DOOR
117C	10' - 0"	11' - 0"	N	OH	STL	-			STL	-	26.0	INSULATED HEAVY-DUTY ROLLING SERVICE DOOR
117D	3' - 0"	7' - 0"	N	F	HM	-	-	1	HM	-	4.0	
117E	4' - 0"	7' - 0"	N	NL	HM	GL-1		1	HM	-	19.0	
118	4' - 0"	7' - 0"	N	F	WD	-	-	1	HM	-	15.0	
119	3' - 0"	7' - 0"	N	D	WD	-	-	1	HM	-	21.0	
120	3' - 0"	7' - 0"	N	D	WD	-	-	1	HM	-	21.0	
121	4' - 0"	7' - 0"	N	F	WD	-	-	1	HM	-	20.0	
121A	2' - 0"	7' - 0"	N	F	HM	-	-	1	HM	-	14.0	
121B	3' - 0"	7' - 0"	N	F	WD	-	-	1	HM	-	13.0	
122	3' - 0"	7' - 0"	N	HG	WD	GL-1	-	1	HM	-	22.0	
122A	3' - 0"	7' - 0"	N	HG	WD	GL-1	-	1	HM	-	22.0	
123	3' - 0"	7' - 0"	N	HL	ALUM	GL-2,GL-5	-	4	ALUM	GL-2,GL-5	2.0	
123A	3' - 0"	7' - 0"	N	HL	ALUM	GL-1,GL-2	-	4	ALUM	GL-1,GL-2	10.0	
124	3' - 0"	7' - 0"	N	F	WD	-	-	1	HM	-	23.0	
125	3' - 0"	7' - 0"	N	F	WD	-	-	1	HM	-	13.0	
126	3' - 0"	7' - 0"	N	F	WD	-	-	1	HM	-	23.0	
127	3' - 0"	7' - 0"	N	F	HM	-	-	1	HM	-	17.0	
128	3' - 0"	7' - 0"	N	F	WD	-	-	1	HM	-	21.0	
128A	3' - 0"	7' - 0"	N	F	WD	-	-	1	HM	-	13.0	
129	3' - 0"	7' - 0"	N	F	WD	-	-	1	HM	-	23.0	
130	3' - 0"	7' - 0"	N	F	WD	-	-	1	HM	-	14.0	
131	3' - 0"	7' - 0"	N	F	WD	-	-	1	HM	-	23.0	
132	3' - 0"	7' - 0"	N	HL	ALUM	GL-1,GL-2	-	4	ALUM	GL-1,GL-2	9.0	
133	3' - 0"	7' - 0"	N	HL	ALUM	GL-1,GL-2	-	9	ALUM	GL-1,GL-2	9.0	



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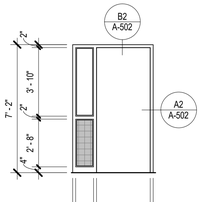

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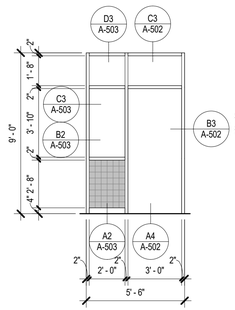

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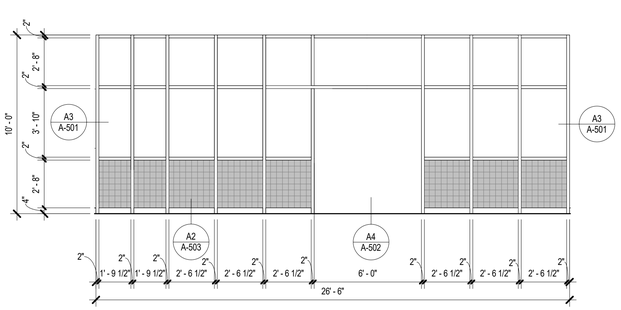


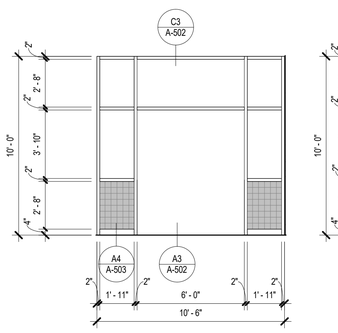
5

L LOUVER

D DUTCH

HG HALF-GLASS

OH OVERHEAD DOOR



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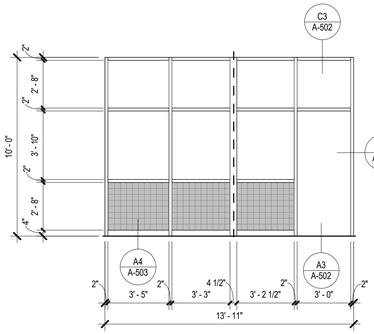

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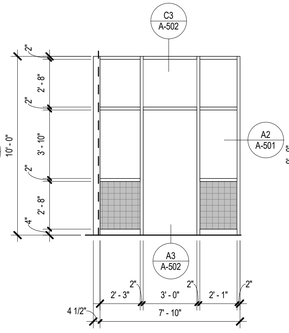

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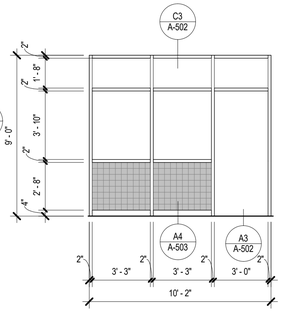

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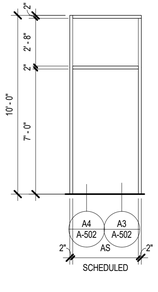


10

* MATCH EXISTING LOCK CYLINDERS, COORDINATE WITH BUILDING FACILITIES DEPARTMENT.

FRAME TYPE

GENERAL NOTES

A. FIELD VERIFY ALL ROUGH OPENING DIMENSIONS PRIOR TO FABRICATION.
B. COORDINATE CRITICAL DIMENSIONS WITH MANUFACTURER.
C. ALL WINDOW AND DOOR GLASS TO BE TEMPERED.
D. TYPICAL DOOR DETAILS ARE SHOWN ON THIS SHEET. SEE FLOOR AND REFLECTED CEILING PLANS FOR SPECIALIZED PLAN DETAIL REFERENCES FOR ATYPICAL CONDITIONS
E. DOOR FRAME THROAT DIMENSIONS: REFER TO FLOOR PLANS FOR THE APPLICABLE PARTITION OR WALL SECTION AND THEN TO THE TYPICAL DOOR DETAILS SHOWN HERE.
F. DOOR ELEVATION MARK COLUMN WITH MULTIPLE MARKS SUCH AS "AA" OR "BB" INDICATE MULTI LEAF DOORS. DOOR LEAVES ARE EQUAL WIDTH, U.N.O.
G. FULLY GROUT ALL HOLLOW METAL FRAMES. BACKFILL HOLLOW METAL FRAMES WITH FOAM INSULATION OR SOUND DEADENING MATERIAL.
H. PROVIDE 3 SHADES OF GLAZING. SEE SPECIFICATIONS.
I. PROVIDE REQUIRED STRUCTURAL MULLION PER MANUFACTURER RECOMMENDATIONS.

DOOR TYPES SCHEDULE

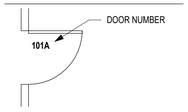
FIRE RATING

N - NO RATING
45 - MINUTES
60 - 1 HOUR
120 - 2 HOUR

GLAZING TYPE

GL-1 - 1/4" CLEAR TEMPERED GLAZING SYSTEM
GL-2 - FORMED EDGE INFILL PANEL, INSULATED
GL-3 - FIBERGLASS REINFORCED POLYMER SYSTEM
GL-4 - 1/4" FIRE RATED GLAZING SYSTEM
GL-5 - 1" INSULATED TEMPERED GLAZING SYSTEM

EXAMPLE OF DOOR IDENTIFICATION ON PLAN



DOOR FRAME MATERIAL TYPE

ALUM - ALUMINUM
HM - HOLLOW METAL
STL - STEEL
SS - STAINLESS STEEL

DOOR MATERIAL TYPE

ALUM - ALUMINUM
HM - HOLLOW METAL
SS - STAINLESS STEEL
STL - STEEL
WD - WOOD SOLID CORE

LEGEND

GL-2: FORMED EDGE INFILL PANEL; 1" INSULATED

GL-3: FIBERGLASS REINFORCED POLYMER SYSTEM

HUITT ZOLLARS
6501 Americas Parkway NE, Suite 830
Albuquerque, New Mexico 87110-5375
505.883.8114
www.huitt-zollars.com

STATE OF NEW MEXICO
LAWRENCE D. McDONALD
No. 4238
REGISTERED ARCHITECT
09/23/2025

SANDOVAL COUNTY · STATE OF NEW MEXICO ·

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA RD
BERNALILLO, NM

PROJECT NO.:	R314624.52
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
4	09/23/2025	100% CDs
3	07/25/2025	95% CDs
2	05/16/2025	70% CDs
1	12/23/2024	Design Development

DOOR SCHEDULE AND DETAILS

A-603

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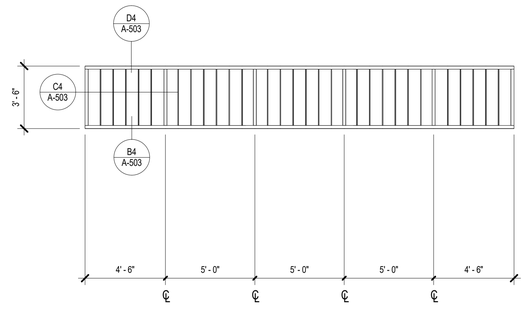

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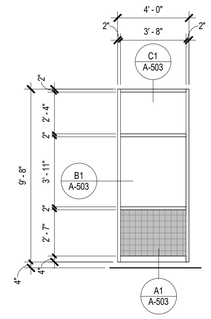

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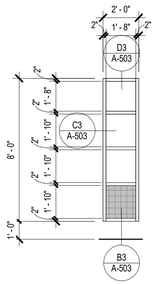

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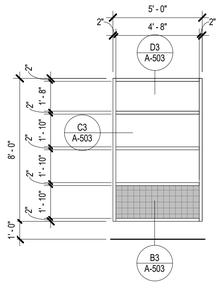

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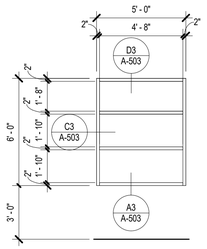

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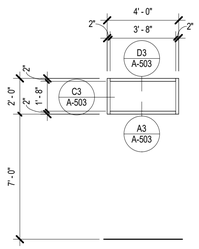

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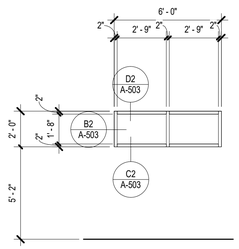

E

WINDOW TYPES SCHEDULE

GLAZING TYPE

GL-1 - 1/4" CLEAR TEMPERED GLAZING SYSTEM
GL-2 - FORMED EDGE INFILL PANEL, INSULATED
GL-3 - FIBERGLASS REINFORCED POLYMER SYSTEM
GL-4 - 1/4" FIRE RATED GLAZING SYSTEM
GL-5 - 1" INSULATED TEMPERED GLAZING SYSTEM

MATERIAL TYPE

ALUM - ALUMINUM
HM - HOLLOW METAL
STL - STEEL
SS - STAINLESS STEEL

MARK	WIDTH	HEIGHT	MATERIAL	GLAZE TYPE	COMMENTS
A	2' - 0"	8' - 0"	ALUM	GL-2,GL-5	PROVIDE ROLLER SHADES
B	5' - 0"	8' - 0"	ALUM	GL-2,GL-5	PROVIDE ROLLER SHADES
C	5' - 0"	6' - 0"	ALUM	GL-5	PROVIDE ROLLER SHADES
D	4' - 0"	2' - 0"	ALUM	GL-5	PROVIDE ROLLER SHADES
E	6' - 0"	2' - 0"	ALUM	GL-1	PROVIDE ROLLER SHADES
F	24' - 0"	3' - 6"	ALUM	GL-3	PROVIDE ROLLER SHADES
G	4' - 0"	9' - 8"	ALUM	GL-2,GL-5	PROVIDE ROLLER SHADES

LEGEND

GL-2: FORMED EDGE INFILL PANEL; 1" INSULATED

GL-3: FIBERGLASS REINFORCED POLYMER SYSTEM

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MARK	DATE	DESCRIPTION
4	09/23/2025	100% CDs
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2	05/16/2025	70% CDs
1	12/23/2024	Design Development

WINDOW SCHEDULE AND DETAILS

A-604

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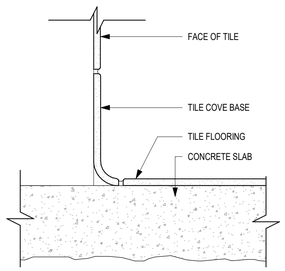
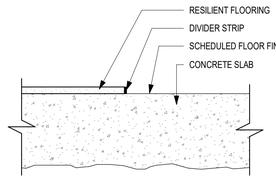
ROOM FINISH SCHEDULE

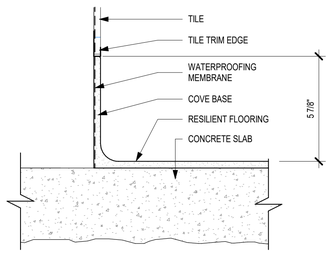
wt	ROOM NAME	FLOOR FIN.	BASE NORTH	BASE EAST	BASE SOUTH	BASE WEST	WALL FINISH NORTH	WALL FINISH EAST	WALL FINISH SOUTH	WALL FINISH WEST	CEILING FIN.	NOTES & REMARKS (SEE NOTES)
101	VESTIBULE	CC	RB	RB	RB	RB	GLZ	GWB	GLZ	GWB	GWB	
102	LOBBY/CONSULTATION	CC	RB	RB	RB	RB	GLZ	GWB	GWB	GWB	OPEN/ACT	
103	CAT GROUP	RS	RSB	RSB	RSB	RSB	GWB/GLZ	GWB/GLZ	GWB	GWB	ACT	
103A	CAT GROUP	RS	RSB	RSB	RSB	RSB	GLZ	GWB	GLZ	GWB/GLZ	GYP BD	
104	OFFICE	LVT	RB	RB	RB	RB	GWB	GWB	GWB	GWB	ACT	
105	MULTI-PURPOSE ROOM	LVT	RB	RB	RB	RB	GWB	GWB	GWB	GWB	ACT	
106	STORAGE	SC	RB	RB	RB	RB	GWB	GWB	GWB	GWB	ACT	
107	FOOD STORAGE	SC	RB	RB	RB	RB	GWB	GWB	GWB	GWB	ACT	
108	CORRIDOR	CC	RB	RB	RB	RB	GWB	GWB	GWB	GWB	OPEN/ACT	
109	OFFICE	LVT	RB	RB	RB	RB	GWB	GWB	GWB	GWB	ACT	
110	OPEN OFFICE	LVT	RB	RB	RB	RB	GWB	GWB	GWB	GWB	ACT	
111	OFFICE	LVT	RB	RB	RB	RB	GWB	GWB	GWB	GWB	ACT	
112	BREAK ROOM	LVT	RB	RB	RB	RB	GWB	GWB	GWB	GWB	ACT	
113	CLEAN LAUNDRY	RS	RB	RB	RB	RB	GWB	GWB	GWB	GWB	ACT	
114	ELECTRICAL	SC	RB	RB	RB	RB	GWB	GWB	GWB	GWB	OPEN	
115	MECHANICAL	SC	RB	RB	RB	RB	GWB	GWB	GWB	GWB	OPEN	
116	OPEN OFFICE	LVT	RB	RB	RB	RB	GWB	GWB	GWB	GWB	ACT	
117	GARAGE	SC	RB	RB	RB	RB	GWB	GWB	GWB	GWB	OPEN	
118	STORAGE	SC	RB	RB	RB	RB	GWB	GWB	GWB	GWB	ACT	
119	DOG WASHING	RS	RSB	RSB	RSB	RSB	GWB	GWB	FRP	GWB	ACT	FRP ON TUB WALLS
120	MEDICAL	RS	RSB	RSB	RSB	RSB	GWB	GWB	GWB	GWB	ACT	
121	DIRTY LAUNDRY	RS	RSB	RSB	RSB	RSB	GWB	GWB	GWB	GWB	ACT	
121A	LAUNDRY CHASE	SC	RB	RB	RB	RB	GWB	GWB	GWB	GWB	ACT	
122	PUPPY KENNELS	RS	RSB	RSB	RSB	RSB	GWB	GWB	GWB	GWB	ACT	
123	CORRIDOR	RS	RSB	RSB	RSB	RSB	GWB	GWB	GWB	GWB	OPEN/ACT	
124	TOILET	CT	CT	CT	CT	CT	CT/GWB	CT/GWB	CT/GWB	CT/GWB	GWB	
125	JAN CL	CC	RB	RB	RB	RB	GWB	GWB	GWB	GWB	OPEN	
126	TOILET	CT	CT	CT	CT	CT	CT/GWB	CT/GWB	CT/GWB	CT/GWB	GWB	
127	ELEC/ I.T.	SC	RB	RB	RB	RB	GWB	GWB	GWB	GWB	OPEN	
128	PREP AREA	RS	RSB	RSB	RSB	RSB	GWB	GWB	GWB	GWB	ACT	
129	TOILET	CT	CT	CT	CT	CT	CT/GWB	CT/GWB	CT/GWB	CT/GWB	GWB	
130	JAN CL	CC	RB	RB	RB	RB	GWB	GWB	GWB	GWB	GWB	
131	TOILET	CT	CT	CT	CT	CT	CT/GWB	CT/GWB	CT/GWB	CT/GWB	GWB	
132	MEET & GREET	RS	RSB	RSB	RSB	RSB	GWB/GLZ	GWB	GWB	GWB	ACT	
133	MEET & GREET	RS	RSB	RSB	RSB	RSB	GLZ	GWB	GWB/GLZ	GWB	ACT	
201	KENNEL A	SC	RB	RB	RB	RB	EPT	EPT	EPT	EPT	OPEN	
202	KENNEL B	SC	RB	RB	RB	RB	EPT	EPT	EPT	EPT	OPEN	
203	MECH	SC	RB	RB	RB	RB	EPT	EPT	GWB	EPT	OPEN	
204	KENNEL C	SC	RB	RB	RB	RB	EPT	EPT	EPT	EPT	OPEN	
205	OUTDOOR KENNEL A	-	-	-	-	-	-	-	-	-	OPEN	PROVIDE WATER REPELLENT AT WALL EXTERIOR CONCRETE
206	STOR	SC	RB	RB	RB	RB	EPT	EPT	EPT	EPT	OPEN	
207	OUTDOOR KENNEL B	-	-	-	-	-	-	-	-	-	OPEN	PROVIDE WATER REPELLENT AT WALL EXTERIOR CONCRETE
208	RR	CT	CT	CT	CT	CT	CT/GWB	CT/GWB	CT/GWB	CT/GWB	GWB	
209	ELEC	SC	RB	RB	RB	RB	EPT	EPT	EPT	EPT	OPEN	
210	OUTDOOR KENNEL C	-	-	-	-	-	-	-	-	-	OPEN	PROVIDE WATER REPELLENT AT WALL EXTERIOR CONCRETE



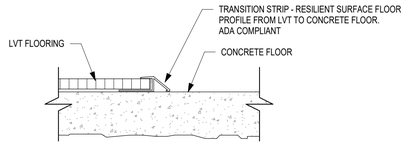
TRANSITION DETAIL
COVE BASE TO WALL
B1 — 3" = 1'-0"



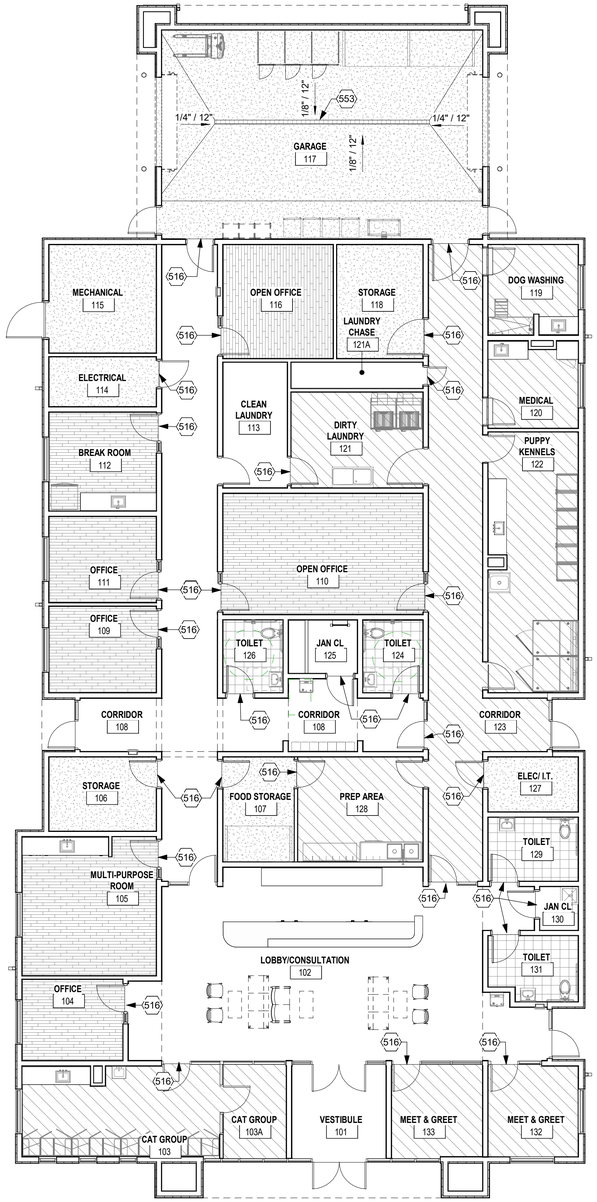
TRANSITION DETAIL
RF TO CONCRETE
B2 — 3" = 1'-0"



TRANSITION DETAIL
COVE BASE TO WALL WITH TILE
A1 — 3" = 1'-0"



TRANSITION DETAIL -
LVT TO LOWER FLOOR
A2 — 3" = 1'-0"



FINISH FLOOR PLAN
A3 — 1/8" = 1'-0"

PLAN NORTH / TRUE NORTH

GENERAL SHEET NOTES

A. UNLESS OTHERWISE NOTED, INSTALL 4" VINYL WALL BASE IN ALL ROOMS.
B. RESTROOM WALL AND CEILING PAINTS TO BE GLOSSY, ALL OTHER WALLS AND CEILINGS TO BE SEMI-GLOSS.
C. PROVIDE SCHLUTER TRANSITION STRIPS AT ALL FLOOR FINISH CHANGES.
D. UNLESS NOTED OTHERWISE, LOWER CASEWORK DEPTH IS 2'-0" AND UPPER CASEWORK DEPTH IS 1'-0".
E. CONTRACTOR SHALL CONDUCT A PREINSTALL MEETING FOR WALL TILE.
F. FLOORING WITHIN 3'-0" ENTRYWAYS TO BE WATER RESISTANT.

SHEET KEYNOTES

516 TRANSITION STRIP
553 TRENCH DRAIN

ROOM FINISH SCHEDULE LEGEND

FINISH TAG	TYPE	NOTES / COMMENTS
FLOOR		
LVT	LUXURY VINYL TILE	
CC	COLORED POLISHED CONCRETE	FROM MFR FULL COLOR RAGE
RS	RESINOUS FLOORING	WITH INTEGRAL 6" COVE BASE
SC	SEALED CONCRETE	
CT	CERAMIC TILE	12" x 12"
WALL BASE		
RB	RUBBER BASE	4"
RSB	INTEGRAL 6" RESINOUS COVE BASE	
CT	CERAMIC TILE COVE BASE	6" x 12"
WALL		
CT	CERAMIC TILE	12" x 24"
PT	PAINT	
EPT	EPOXY PAINT	
GLZ	GLAZING	
CEILING		
ACP	ACOUSTICAL CEILING PANEL	
PT	PAINT	
MP	METAL PANEL	
OPEN	OPEN TO STRUCTURE	

LEGEND

RS - RESINOUS FLOORING
LVT - LUXURY VINYL TILE
CC - COLORED POLISHED CONCRETE
SC - SEALED CONCRETE
CT - CERAMIC TILE

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STATE OF NEW MEXICO
LAWRENCE D. McDONALD
No. 4238
REGISTERED ARCHITECT
09/23/2025

SANDOVAL COUNTY STATE OF NEW MEXICO

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA RD
BERNALILLO, NM

PROJECT NO.:	R314624.52
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
4	09/23/2025	100% CDs
3	07/25/2025	95% CDs
2	05/16/2025	70% CDs
1	12/23/2024	Design Development

ROOM FINISH SCHEDULE AND DETAILS

A-605

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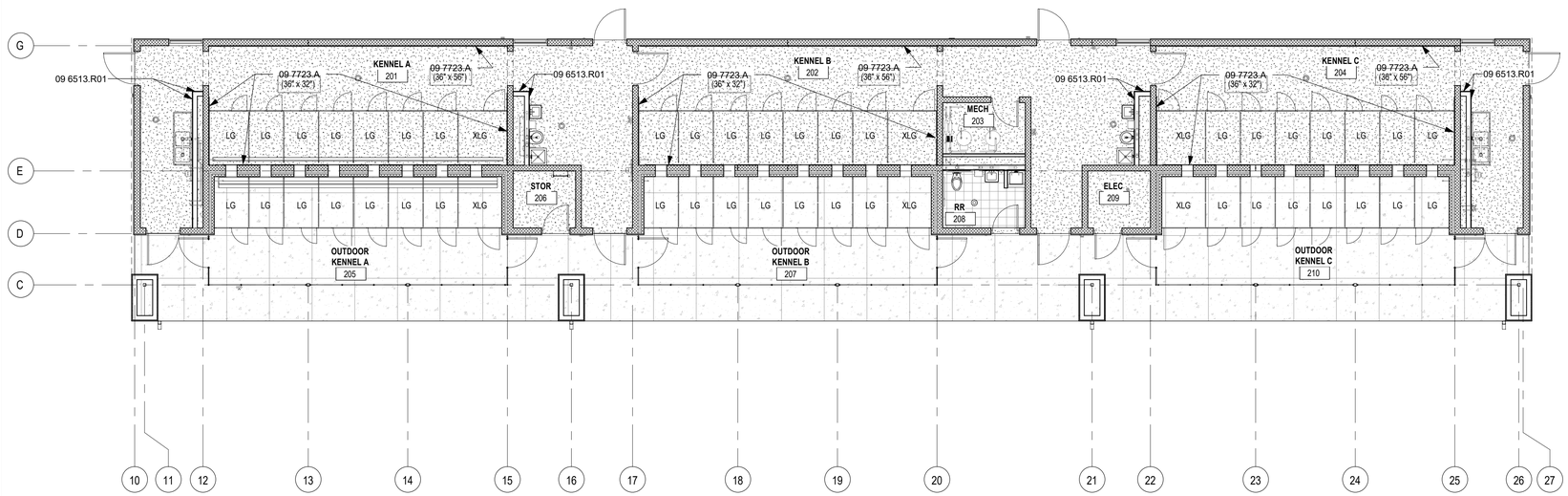
ROOM FINISH SCHEDULE

wt	ROOM NAME	FLOOR FIN.	BASE NORTH	BASE EAST	BASE SOUTH	BASE WEST	WALL FINISH NORTH	WALL FINISH EAST	WALL FINISH SOUTH	WALL FINISH WEST	CEILING FIN.	NOTES & REMARKS (SEE NOTES)
101	VESTIBULE	CC	RB	RB	RB	RB	GLZ	GWB	GLZ	GWB	GWB	
102	LOBBY/CONSULTATION	CC	RB	RB	RB	RB	GLZ	GWB	GWB	GWB	OPEN/ACT	
103	CAT GROUP	RS	RSB	RSB	RSB	RSB	GWB/GLZ	GWB/GLZ	GWB	GWB	ACT	
103A	CAT GROUP	RS	RSB	RSB	RSB	RSB	GLZ	GWB	GLZ	GWB/GLZ	GYP BD	
104	OFFICE	LVT	RB	RB	RB	RB	GWB	GWB	GWB	GWB	ACT	
105	MULTI-PURPOSE ROOM	LVT	RB	RB	RB	RB	GWB	GWB	GWB	GWB	ACT	
106	STORAGE	SC	RB	RB	RB	RB	GWB	GWB	GWB	GWB	ACT	
107	FOOD STORAGE	SC	RB	RB	RB	RB	GWB	GWB	GWB	GWB	ACT	
108	CORRIDOR	CC	RB	RB	RB	RB	GWB	GWB	GWB	GWB	OPEN/ACT	
109	OFFICE	LVT	RB	RB	RB	RB	GWB	GWB	GWB	GWB	ACT	
110	OPEN OFFICE	LVT	RB	RB	RB	RB	GWB	GWB	GWB	GWB	ACT	
111	OFFICE	LVT	RB	RB	RB	RB	GWB	GWB	GWB	GWB	ACT	
112	BREAK ROOM	LVT	RB	RB	RB	RB	GWB	GWB	GWB	GWB	ACT	
113	CLEAN LAUNDRY	RS	RB	RB	RB	RB	GWB	GWB	GWB	GWB	ACT	
114	ELECTRICAL	SC	RB	RB	RB	RB	GWB	GWB	GWB	GWB	OPEN	
115	MECHANICAL	SC	RB	RB	RB	RB	GWB	GWB	GWB	GWB	OPEN	
116	OPEN OFFICE	LVT	RB	RB	RB	RB	GWB	GWB	GWB	GWB	ACT	
117	GARAGE	SC	RB	RB	RB	RB	GWB	GWB	GWB	GWB	OPEN	
118	STORAGE	SC	RB	RB	RB	RB	GWB	GWB	GWB	GWB	ACT	
119	DOG WASHING	RS	RSB	RSB	RSB	RSB	GWB	GWB	FRP	GWB	ACT	FRP ON TUB WALLS
120	MEDICAL	RS	RSB	RSB	RSB	RSB	GWB	GWB	GWB	GWB	ACT	
121	DIRTY LAUNDRY	RS	RSB	RSB	RSB	RSB	GWB	GWB	GWB	GWB	ACT	
121A	LAUNDRY CHASE	SC	RB	RB	RB	RB	GWB	GWB	GWB	GWB	ACT	
122	PUPPY KENNELS	RS	RSB	RSB	RSB	RSB	GWB	GWB	GWB	GWB	ACT	
123	CORRIDOR	RS	RSB	RSB	RSB	RSB	GWB	GWB	GWB	GWB	OPEN/ACT	
124	TOILET	CT	CT	CT	CT	CT	CT/GWB	CT/GWB	CT/GWB	CT/GWB	GWB	
125	JAN CL	CC	RB	RB	RB	RB	GWB	GWB	GWB	GWB	OPEN	
126	TOILET	CT	CT	CT	CT	CT	CT/GWB	CT/GWB	CT/GWB	CT/GWB	GWB	
127	ELEC/ I.T.	SC	RB	RB	RB	RB	GWB	GWB	GWB	GWB	OPEN	
128	PREP AREA	RS	RSB	RSB	RSB	RSB	GWB	GWB	GWB	GWB	ACT	
129	TOILET	CT	CT	CT	CT	CT	CT/GWB	CT/GWB	CT/GWB	CT/GWB	GWB	
130	JAN CL	CC	RB	RB	RB	RB	GWB	GWB	GWB	GWB	GWB	
131	TOILET	CT	CT	CT	CT	CT	CT/GWB	CT/GWB	CT/GWB	CT/GWB	GWB	
132	MEET & GREET	RS	RSB	RSB	RSB	RSB	GWB/GLZ	GWB	GWB	GWB	ACT	
133	MEET & GREET	RS	RSB	RSB	RSB	RSB	GLZ	GWB	GWB/GLZ	GWB	ACT	
201	KENNEL A	SC	RB	RB	RB	RB	EPT	EPT	EPT	EPT	OPEN	
202	KENNEL B	SC	RB	RB	RB	RB	EPT	EPT	EPT	EPT	OPEN	
203	MECH	SC	RB	RB	RB	RB	EPT	EPT	GWB	EPT	OPEN	
204	KENNEL C	SC	RB	RB	RB	RB	EPT	EPT	EPT	EPT	OPEN	
205	OUTDOOR KENNEL A	-	-	-	-	-	-	-	-	-	OPEN	PROVIDE WATER REPELLENT AT WALL EXTERIOR CONCRETE
206	STOR	SC	RB	RB	RB	RB	EPT	EPT	EPT	EPT	OPEN	
207	OUTDOOR KENNEL B	-	-	-	-	-	-	-	-	-	OPEN	PROVIDE WATER REPELLENT AT WALL EXTERIOR CONCRETE
208	RR	CT	CT	CT	CT	CT	CT/GWB	CT/GWB	CT/GWB	CT/GWB	GWB	
209	ELEC	SC	RB	RB	RB	RB	EPT	EPT	EPT	EPT	OPEN	
210	OUTDOOR KENNEL C	-	-	-	-	-	-	-	-	-	OPEN	PROVIDE WATER REPELLENT AT WALL EXTERIOR CONCRETE



A1 KENNEL FINISH PLAN
1/8" = 1'-0"

GENERAL SHEET NOTES

A. UNLESS OTHERWISE NOTED, INSTALL 4" VINYL WALL BASE IN ALL ROOMS.
B. RESTROOM WALL AND CEILING PAINTS TO BE GLOSSY, ALL OTHER WALLS AND CEILINGS TO BE SEMI-GLOSS.
C. PROVIDE SCHLUTER TRANSITION STRIPS AT ALL FLOOR FINISH CHANGES.
D. UNLESS NOTED OTHERWISE, LOWER CASEWORK DEPTH IS 2'-0" AND UPPER CASEWORK DEPTH IS 1'-0".
E. CONTRACTOR SHALL CONDUCT A PREINSTALL MEETING FOR WALL TILE.
F. FLOORING WITHIN 3'-0" ENTRYWAYS TO BE WATER RESISTANT.

REFERENCE KEYNOTES

09 6513.R01 RESILIENT BASE
09 7723.A ACOUSTICAL PANEL

ROOM FINISH SCHEDULE LEGEND

FINISH TAG	TYPE	NOTES / COMMENTS
FLOOR		
LVT	LUXURY VINYL TILE	
CC	COLORED POLISHED CONCRETE	FROM MFR FULL COLOR RAGE
RS	RESINOUS FLOORING	WITH INTEGRAL 6" COVE BASE
SC	SEALED CONCRETE	
CT	CERAMIC TILE	12" x 12"
WALL BASE		
RB	RUBBER BASE	4"
RSB	INTEGRAL 6" RESINOUS COVE BASE	
CT	CERAMIC TILE COVE BASE	6" x 12"
WALL		
CT	CERAMIC TILE	12" x 24"
PT	PAINT	
EPT	EPOXY PAINT	
GLZ	GLAZING	
CEILING		
ACP	ACOUSTICAL CEILING PANEL	
PT	PAINT	
MP	METAL PANEL	
OPEN	OPEN TO STRUCTURE	

LEGEND

- RS - RESINOUS FLOORING
- LVT - LUXURY VINYL TILE
- CC - COLORED POLISHED CONCRETE
- SC - SEALED CONCRETE
- CT - CERAMIC TILE

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LAWRENCE D. McDONALD
No. 4238
REGISTERED ARCHITECT
09/23/2025

SANDOVAL COUNTY · STATE OF NEW MEXICO

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA RD
BERNALILLO, NM

PROJECT NO.:	R314624.52
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
4	09/23/2025	100% CDs
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2	05/16/2025	70% CDs
1	12/23/2024	Design Development

ROOM FINISH SCHEDULE AND DETAILS

A-606

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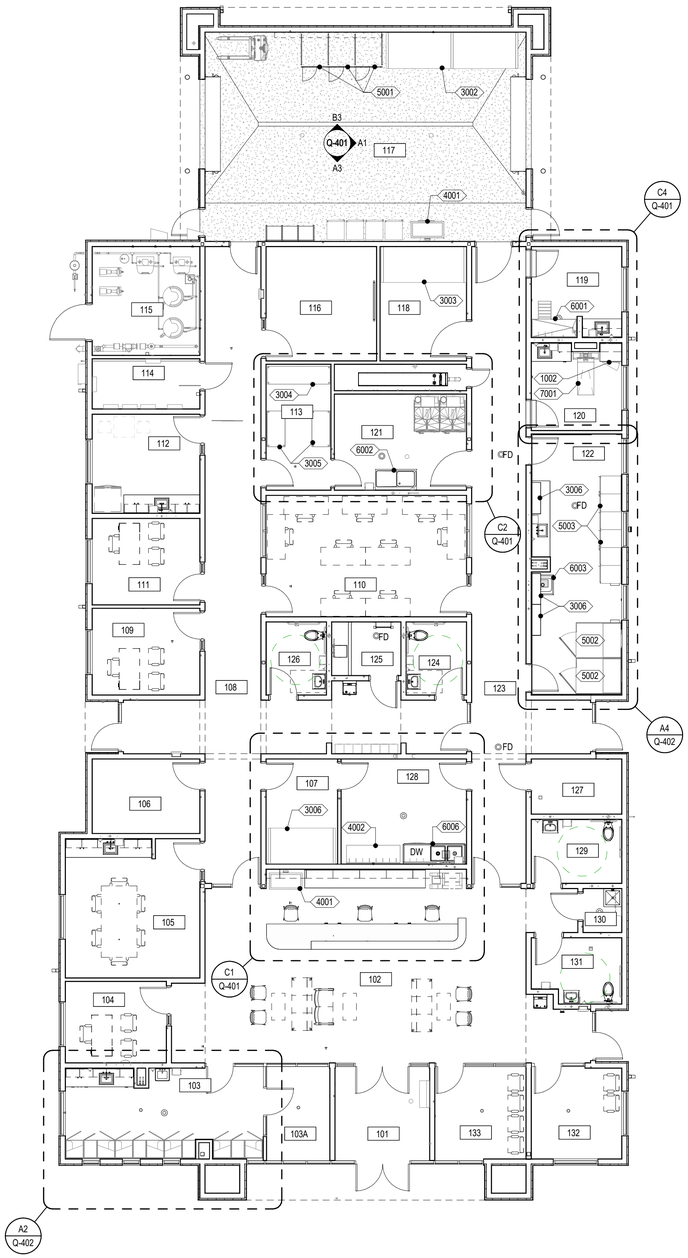

A1 EQUIPMENT PLAN

1/8" = 1'-0"

PLAN NORTH / TRUE NORTH

GENERAL NOTES

A. ALL CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE CURRENT ADOPTED EDITION, STATE OF NEW MEXICO BUILDING CODE, AND ALL OTHER GOVERNING CODES AND AGENCIES.
B. CONTRACTOR SHALL REVIEW AND COORDINATE ALL CONTRACT DOCUMENTS.
C. CONTRACTOR SHALL REFER TO ANNOTATIVE DIMENSIONS ONLY - DO NOT SCALE DRAWINGS.
D. MAXIMUM EFFORT TO OPENING ANY DOOR SHALL NOT EXCEED 5 POUNDS PRESSURE FOR INTERIOR NON-RATED DOORS, 8 1/2 POUNDS PRESSURE FOR EXTERIOR DOORS, AND 15 POUNDS PRESSURE FOR FIRE-RATED DOORS.
E. ALL PRODUCTS MARKED "OR APPROVED EQUAL" SHALL BE APPROVED BY THE ARCHITECT AND OWNER PRIOR TO PURCHASING AND INSTALLATION OF WORK AND SHALL MEET THE REQUIREMENTS OF ALL GOVERNING CODES AND AGENCIES.
F. FOR ALL MOUNTED EQUIPMENT/FIXTURES PROVIDE BLOCKING AND FRAMING REINFORCEMENT AND SUPPORT TO BE INSTALLED.
G. ALL PIPING SHALL BE LABELED WITH DIRECTIONAL ARROWS EVERY 20 FEET AND AT ALL WALL PENETRATIONS. ACCESS PANELS SHALL BE PROVIDED AT ALL VALVES AND CONTROLS CONCEALED IN HARD CONSTRUCTION.
H. REFER TO SHEET A-604 FOR FINISH SCHEDULE.
I. REFER TO ENLARGED PLANS FOR WALL TYPES AND DIMENSIONS WITHIN DETAILED AREAS.
J. SEAL ALL EXTERNAL CRACKS, JOINTS, PENETRATIONS, EDGES AND ENTRY POINTS WITH APPROPRIATE SEALANT. INSTALL RODENT AND CORROSION-PROOF SCREENS (COPPER OR STAINLESS STEEL) ON ALL OPENINGS GREATER THAN 1/4". EXCEPT WHERE CODE PROHIBITS THEIR INSTALLATION
K. INSTALL PORTS OR COVERED OPENINGS FOR ALL PLUMBING ELEMENTS THAT PENETRATE THE SLAB TO ALLOW ACCESS FOR INSPECTION AND TREATMENT OF PEST INFESTATIONS
L. INSTALL CORNER GUARDS AT ALL 90 DEGREE INTERSECTIONS OF INTERIOR WALLS.
M. APPLIANCES SHOWN (REFRIGERATORS, MICROWAVES) ARE PROVIDED BY OWNER AND CONTRACTOR INSTALLED.

EQUIPMENT SCHEDULE

EQUIP. NO.	DESCRIPTON	SIZE
1002	MEDICAL REFRIGERATOR - 6 CU. FT.	24" W X 25" D X 27 3/4" H
3002	BULK STORAGE - 3 TIER. OPEN WIRE SHELVING.STEEL SUPPORT LEGS	90" W X 42" D X 96" H
3003	BULK STORAGE - 3 TIER. SOLID SHELVING. STEEL SUPPORT LEGS	114" W X 48" D X 84" H
3004	BULK STORAGE - 4 TIER. OPEN WIRE SHELVING. ADJUSTABLE. STEEL LEGS	84" W X 24" D X 72" H
3005	BULD STORAGE - 4 TIER. OPEN WIRE SHELVING. ADJUSTABLE. STEEL LEGS	48" W X 24" D X 72" H
3006	WALL MOUNTED STAINLESS STEEL SHELVES ON TRACKS. 1 1/2" REAR TURN UP. SAFETY FRONT EDGE. ADJUSTABLE	42" W X 12" D X 36" H
3008	WALL MOUNTED STAINLESS STEEL SHELF. 1 1/2" REAR TURN UP. SAFETY FRONT EDGE.	36" W X 12" D X 9 1/2" H
3009	WALL MOUNTED STAINLESS STEEL SHELF. 1 1/2" REAR TURN UP. SAFETY FRONT EDGE.	82" W X 12" D X 9 1/2" H
4001	PLATFORM SCALE. STAINLESS STEEL WITH POST MOUNT READOUT AND NON-SLIP MAT	44" W x 22"D X 2" H
4002	WORK TABLE. 14 GA STAINLESS STEEL WITH COUNTERTOP NON-DRIP EDGE. 10" HIGH BACKSPLASH	72" W X 24" D X 35 1/2" H
5001	FOLDING KENNELS. 3/4" ALUMINUM FRAME. STAINLESS STEEL HARDWARE, WIRE FRONTS, FRP SIDE PANELS.3" SWIVEL CASTERS	36" W X 45" D X 72" H
5002	WELPING KENNEL.1" STAINLESS FRAME . GLASS PANEL FRONT. FRP SIDE PANELS.	48" W X 60"D X 84" H
5003	PUPPY KENNEL. 5 UNIT CAGE BANK ASSEMBLY. WIRE FRONT. SOLID BOTTOM, SIDES AND BACK.	72" W X 28" D X 58" H
5004	CAT CONDOS. RAINTREE, DOUBLE STACK QUAD WITH LITTER	66" 2 X 25" D X 84" H
5005	CAT CONDOS. RAINTREE, DOUBLE STACK WITH LITTER	42" 2 X 25" D X 84" H
6001	GROOMING TUB. 1" SQUARE TUB FRAME. STAINLESS STEEL WITH 2 PVC COATED TUB FLOOR PANELS, HAIR TRAP, DRAIN INSERT AND RESTRAINT RING. RIGHT HAND DOOR, LEFT HAND DRAIN. SLIP RESISTANT STAIRS,	55 1/2" W X 24" D X 60" H
6002	16 GA. SEAMLESS, SINGLE COMPARTMENT SINK WITH INTEGRAL RIGHT HAND DRAIN BOARD AND 3" SPLASH ALL AROUND. DRAIN IN RIGHT BACK CORNER. FAUCET	63" W X 28" W X 34" H
6003	16 GA. SEAMLESS SINGLE COMPARTMENT SINK WITH 3" SPLASH ALL AROUND AND 8" BACK SPLASH. CENTERED DRAIN. FAUCET.	31" W X 28" W X 34" H
6004	16 GA. SEAMLESS, DOUBLE COMPARTMENT SINK WITH INTEGRAL RIGHT HAND DRAIN BOARD AND 3" SPLASH ALL AROUND. CENTER DRAIN. FAUCET	67" W X 28" W X 34" H
6006	16 GA. SEAMLESS, DOUBLE - COMPARTMENT SINK, 12" DEEP. RIGHT-HAND DRAINBOARD, 3" SPLASH ALL AROUND, 8" BACK SPLASH. CENTER DRAIN. FAUCET	67" W X 28" W X 34" H
7001	PENINUSLA FOLDING LIFT TABLE. STAINLESS STEEL. HAND CONTROL. RESTRAINT RAIL AND CLIP. 225 LB LIFTING CAPACITY	22" W X 44" D X 90" H

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SANDOVAL COUNTY • STATE OF NEW MEXICO •

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

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BERNALILLO, NM

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ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
2	09/23/2025	100% CDs
1	05/16/2025	70% CDs

EQUIPMENT PLAN

Q-101

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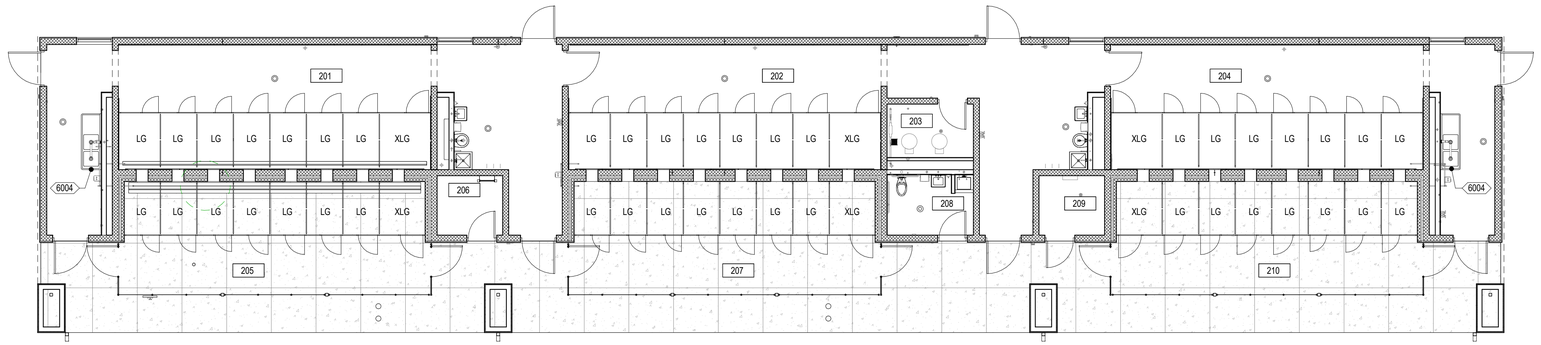

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E. ALL PRODUCTS MARKED "OR APPROVED EQUAL" SHALL BE APPROVED BY THE ARCHITECT AND OWNER PRIOR TO PURCHASING AND INSTALLATION OF WORK AND SHALL MEET THE REQUIREMENTS OF ALL GOVERNING CODES AND AGENCIES.
F. FOR ALL MOUNTED EQUIPMENT/FIXTURES PROVIDE BLOCKING AND FRAMING REINFORCEMENT AND SUPPORT TO BE INSTALLED.
G. ALL PIPING SHALL BE LABELED WITH DIRECTIONAL ARROWS EVERY 20 FEET AND AT ALL WALL PENETRATIONS. ACCESS PANELS SHALL BE PROVIDED AT ALL VALVES AND CONTROLS CONCEALED IN HARD CONSTRUCTION.
H. REFER TO SHEET A-604 FOR FINISH SCHEDULE.
I. REFER TO ENLARGED PLANS FOR WALL TYPES AND DIMENSIONS WITHIN DETAILED AREAS.
J. SEAL ALL EXTERNAL CRACKS, JOINTS, PENETRATIONS, EDGES AND ENTRY POINTS WITH APPROPRIATE SEALANT. INSTALL RODENT AND CORROSION-PROOF SCREENS (COPPER OR STAINLESS STEEL) ON ALL OPENINGS GREATER THAN 1/4", EXCEPT WHERE CODE PROHIBITS THEIR INSTALLATION
K. INSTALL PORTS OR COVERED OPENINGS FOR ALL PLUMBING ELEMENTS THAT PENETRATE THE SLAB TO ALLOW ACCESS FOR INSPECTION AND TREATMENT OF PEST INFESTATIONS
L. INSTALL CORNER GUARDS AT ALL 90 DEGREE INTERSECTIONS OF INTERIOR WALLS.
M. APPLIANCES SHOWN (REFRIGERATORS, MICROWAVES) ARE PROVIDED BY OWNER AND CONTRACTOR INSTALLED.

EQUIPMENT SCHEDULE

EQUIP. NO.	DESCRIPTON	SIZE
1002	MEDICAL REFRIGERATOR - 6 CU. FT.	24" W X 25" D X 27 3/4" H
3002	BULK STORAGE - 3 TIER. OPEN WIRE SHELVING.STEEL SUPPORT LEGS	90" W X 42" D X 96" H
3003	BULK STORAGE - 3 TIER. SOLID SHELVING. STEEL SUPPORT LEGS	114" W X 48" D X 84" H
3004	BULK STORAGE - 4 TIER. OPEN WIRE SHELVING. ADJUSTABLE. STEEL LEGS	84" W X 24" D X 72" H
3005	BULD STORAGE - 4 TIER. OPEN WIRE SHELVING. ADJUSTABLE. STEEL LEGS	48" W X 24" D X 72" H
3006	WALL MOUNTED STAINLESS STEEL SHELVES ON TRACKS. 1 1/2" REAR TURN UP. SAFETY FRONT EDGE. ADJUSTABLE	42" W X 12" D X 36" H
3008	WALL MOUNTED STAINLESS STEEL SHELF. 1 1/2" REAR TURN UP. SAFETY FRONT EDGE.	36" W X 12" D X 9 1/2" H
3009	WALL MOUNTED STAINLESS STEEL SHELF. 1 1/2" REAR TURN UP. SAFETY FRONT EDGE.	82" W X 12" D X 9 1/2" H
4001	PLATFORM SCALE. STAINLESS STEEL WITH POST MOUNT READOUT AND NON-SLIP MAT	44" W x 22"D X 2" H
4002	WORK TABLE. 14 GA STAINLESS STEEL WITH COUNTERTOP NON-DRIP EDGE. 10" HIGH BACKSPLASH	72" W X 24" D X 35 1/2" H
5001	FOLDING KENNELS. 3/4" ALUMINUM FRAME. STAINLESS STEEL HARDWARE, WIRE FRONTS, FRP SIDE PANELS.3" SWIVEL CASTERS	36" W X 45" D X 72" H
5002	WELPING KENNEL.1" STAINLESS FRAME . GLASS PANEL FRONT. FRP SIDE PANELS.	48" W X 60"D X 84" H
5003	PUPPY KENNEL. 5 UNIT CAGE BANK ASSEMBLY. WIRE FRONT. SOLID BOTTOM, SIDES AND BACK	72" W X 28" D X 58" H
5004	CAT CONDOS. RAINTREE, DOUBLE STACK QUAD WITH LITTER	66" 2 X 25" D X 84" H
5005	CAT CONDOS. RAINTREE, DOUBLE STACK WITH LITTER	42" 2 X 25" D X 84" H
6001	GROOMING TUB. 1" SQUARE TUB FRAME. STAINLESS STEEL WITH 2 PVC COATED TUB FLOOR PANELS, HAIR TRAP, DRAIN INSERT AND RESTRAINT RING. RIGHT HAND DOOR, LEFT HAND DRAIN. SLIP RESISTANT STAIRS,	55 1/2" W X 24" D X 60" H
6002	16 GA. SEAMLESS, SINGLE COMPARTMENT SINK WITH INTEGRAL RIGHT HAND DRAIN BOARD AND 3" SPLASH ALL AROUND. DRAIN IN RIGHT BACK CORNER. FAUCET	63" W X 28" W X 34" H
6003	16 GA. SEAMLESS SINGLE COMPARTMENT SINK WITH 3" SPLASH ALL AROUND AND 8" BACK SPLASH. CENTERED DRAIN. FAUCET.	31" W X 28" W X 34" H
6004	16 GA. SEAMLESS, DOUBLE COMPARTMENT SINK WITH INTEGRAL RIGHT HAND DRAIN BOARD AND 3" SPLASH ALL AROUND. CENTER DRAIN. FAUCET	67" W X 28" W X 34" H
6006	16 GA. SEAMLESS, DOUBLE - COMPARTMENT SINK, 12" DEEP. RIGHT-HAND DRAINBOARD, 3" SPLASH ALL AROUND, 8" BACK SPLASH. CENTER DRAIN. FAUCET	67" W X 28" W X 34" H
7001	PENINUSLA FOLDING LIFT TABLE. STAINLESS STEEL. HAND CONTROL. RESTRAINT RAIL AND CLIP. 225 LB LIFTING CAPACITY	22" W X 44" D X 90" H

PLAN NORTH / TRUE NORTH

A1 **EQUIPMENT PLAN KENNEL**
1/8" = 1'-0"

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505.883.8114
www.huitt-zollars.com

STATE OF NEW MEXICO
LAWRENCE D. McDONALD
No. 4238
REGISTERED ARCHITECT
09/23/2025

SANDOVAL COUNTY • STATE OF NEW MEXICO •

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA RD
BERNALILLO, NM

PROJECT NO.:	R314624.52
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
2	09/23/2025	100% CDs
1	05/16/2025	70% CDs

EQUIPMENT PLAN KENNEL

Q-102

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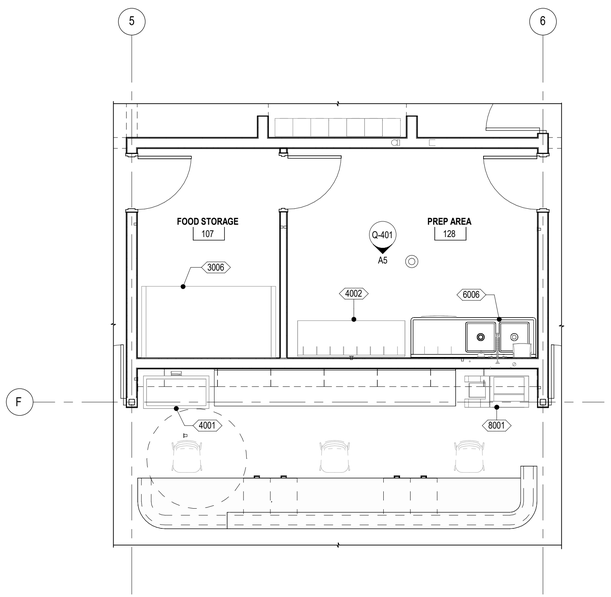
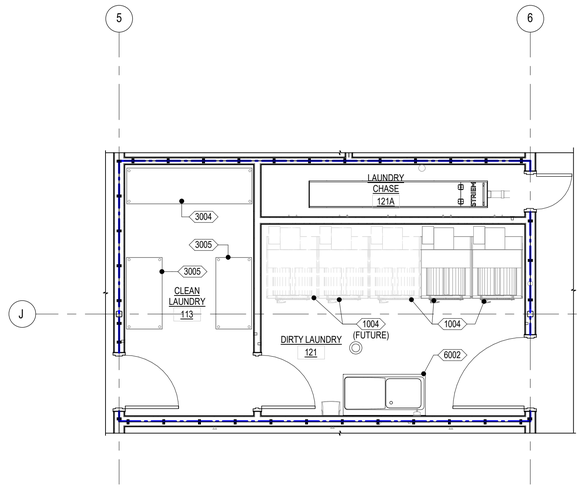
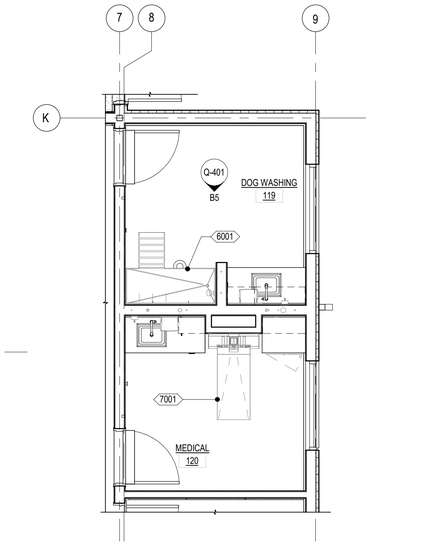


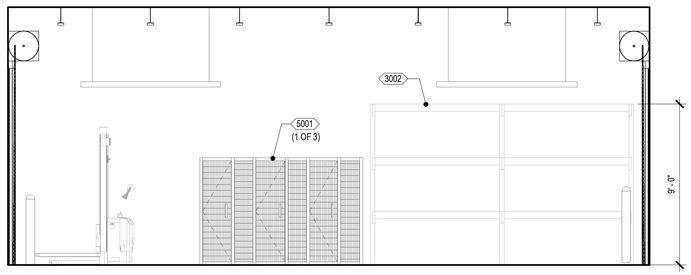
C1 LOBBY
1/4" = 1'-0"



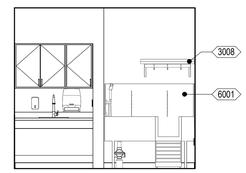
C2 CLEAN LAUNDRY & DIRTY LAUNDRY
1/4" = 1'-0"



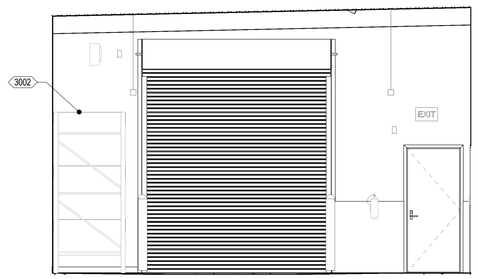
C4 ENLARGED PLAN
1/4" = 1'-0"



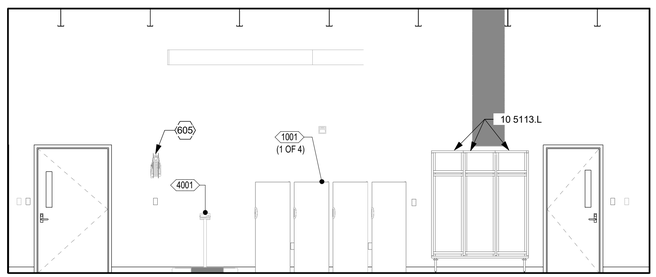
B3 GARAGE - NORTH WALL
1/4" = 1'-0"



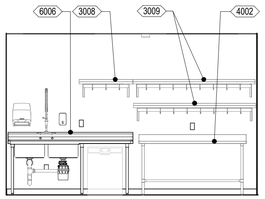
B5 DOG WASH 119 - SOUTH
1/4" = 1'-0"



A1 GARAGE - EAST WALL
1/4" = 1'-0"



A3 GARAGE - SOUTH WALL
1/4" = 1'-0"



A5 PREP ROOM ELEVATION
1/4" = 1'-0"

GENERAL NOTES

A. INSTALL WOOD BACKING WITHIN METAL STUD WALLS FOR SECURE MOUNTING OF ALL ACCESSORIES. NO STRAP BACKING ON TOILET PARTITIONS, GRAB BARS, COUNTERTOP SUPPORTS, WALL DOOR BUMPERS, & SHELF SUPPORTS.(SEE SPECIFICATIONS)
B. CONTRACTOR TO VERIFY ALL FIELD DIMENSIONS PRIOR TO FABRICATION AND INSTALLATION OF BUILT-IN CASEWORK.
C. DIMENSIONS ARE TO FACE OF CMU OR FACE OF METAL STUD OR TO COLUMN GRID.
D. INSTALL CORNER GUARDS AT ALL 90 DEGREE INTERSECTIONS OF INTERIOR WALLS.
E. SEE SHEET A-601 FOR WALL PARTITION TYPES.
F. APPLIANCES SHOWN (FREEZER, SHELVING) ARE PROVIDED BY OWNER AND CONTRACTOR INSTALLED.
G. SEE Q-101 FOR EQUIPMENT SCHEDULE

EQUIPMENT SCHEDULE

EQUIP. NO.	DESCRIPTON	SIZE
1002	MEDICAL REFRIGERATOR - 6 CU. FT.	24" W X 25" D X 27 3/4" H
3002	BULK STORAGE - 3 TIER. OPEN WIRE SHELVING.STEEL SUPPORT LEGS	90" W X 42" D X 96" H
3003	BULK STORAGE - 3 TIER. SOLID SHELVING. STEEL SUPPORT LEGS	114" W X 48" D X 84" H
3004	BULK STORAGE - 4 TIER. OPEN WIRE SHELVING. ADJUSTABLE. STEEL LEGS	84" W X 24" D X 72" H
3005	BULD STORAGE - 4 TIER. OPEN WIRE SHELVING. ADJUSTABLE. STEEL LEGS	48" W X 24" D X 72" H
3006	WALL MOUNTED STAINLESS STEEL SHELVES ON TRACKS. 1 1/2" REAR TURN UP. SAFETY FRONT EDGE. ADJUSTABLE	42" W X 12" D X 36" H
3008	WALL MOUNTED STAINLESS STEEL SHELF. 1 1/2" REAR TURN UP. SAFETY FRONT EDGE.	36" W X 12" D X 9 1/2" H
3009	WALL MOUNTED STAINLESS STEEL SHELF. 1 1/2" REAR TURN UP. SAFETY FRONT EDGE.	82" W X 12" D X 9 1/2" H
4001	PLATFORM SCALE. STAINLESS STEEL WITH POST MOUNT READOUT AND NON-SLIP MAT	44" W x 22"D X 2" H
4002	WORK TABLE. 14 GA STAINLESS STEEL WITH COUNTERTOP NON-DRIP EDGE. 10" HIGH BACKSPLASH	72" W X 24" D X 35 1/2" H
5001	FOLDING KENNELS. 3/4" ALUMINUM FRAME. STAINLESS STEEL HARDWARE, WIRE FRONTS, FRP SIDE PANELS 3" SWIVEL CASTERS	36" W X 45" D X 72" H
5002	WELPING KENNEL.1" STAINLESS FRAME . GLASS PANEL FRONT. FRP SIDE PANELS.	48" W X 60"D X 84" H
5003	PUPPY KENNEL. 5 UNIT CAGE BANK ASSEMBLY. WIRE FRONT. SOLID BOTTOM, SIDES AND BACK	72" W X 28" D X 58" H
5004	CAT CONDOS. RAINTREE, DOUBLE STACK QUAD WITH LITTER	66" 2 X 25" D X 84" H
5005	CAT CONDOS. RAINTREE, DOUBLE STACK WITH LITTER	42" 2 X 25" D X 84" H
6001	GROOMING TUB. 1" SQUARE TUB FRAME. STAINLESS STEEL WITH 2 PVC COATED TUB FLOOR PANELS, HAIR TRAP, DRAIN INSERT AND RESTRAINT RING. RIGHT HAND DOOR, LEFT HAND DRAIN. SLIP RESISTANT STAIRS,	55 1/2" W X 24" D X 60" H
6002	16 GA. SEAMLESS, SINGLE COMPARTMENT SINK WITH INTEGRAL RIGHT HAND DRAIN BOARD AND 3" SPLASH ALL AROUND. DRAIN IN RIGHT BACK CORNER. FAUCET	63" W X 28" W X 34" H
6003	16 GA. SEAMLESS SINGLE COMPARTMENT SINK WITH 3" SPLASH ALL AROUND AND 8" BACK SPLASH. CENTERED DRAIN. FAUCET.	31" W X 28" W X 34" H
6004	16 GA. SEAMLESS, DOUBLE COMPARTMENT SINK WITH INTEGRAL RIGHT HAND DRAIN BOARD AND 3" SPLASH ALL AROUND. CENTER DRAIN. FAUCET	67" W X 28" W X 34" H
6006	16 GA. SEAMLESS, DOUBLE - COMPARTMENT SINK, 12" DEEP. RIGHT-HAND DRAINBOARD, 3" SPLASH ALL AROUND, 8" BACK SPLASH. CENTER DRAIN. FAUCET	67" W X 28" W X 34" H
7001	PENINUSLA FOLDING LIFT TABLE. STAINLESS STEEL. HAND CONTROL. RESTRAINT RAIL AND CLIP. 225 LB LIFTING CAPACITY	22" W X 44" D X 90" H

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LAWRENCE D. McDONALD
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09/23/2025

SANDOVAL COUNTY · STATE OF NEW MEXICO ·

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

VISTA SANDIA RD
BERNALILLO, NM

PROJECT NO.:	R314624.52
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
4	09/23/2025	100% CDs
3	07/25/2025	95% CDs
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1	12/23/2024	Design Development

ENLARGED PLANS, AND INTERIOR ELEVATIONS

Q-401

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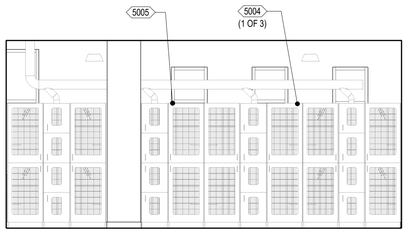
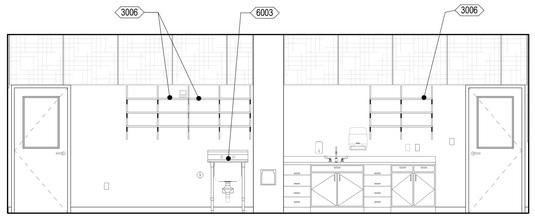
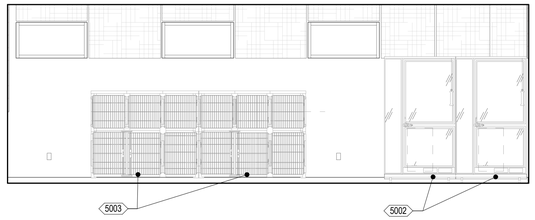


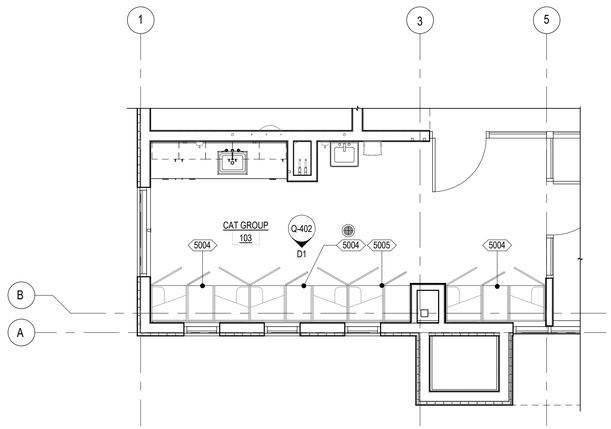
D1 CAT GROUP - NORTH WALL
1/4" = 1'-0"



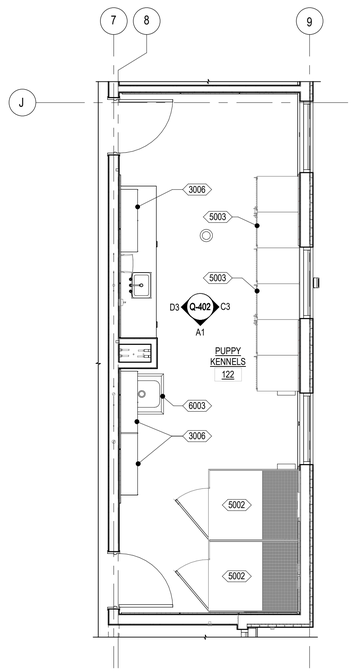
D3 PUPPY KENNELS - WEST WALL
1/4" = 1'-0"



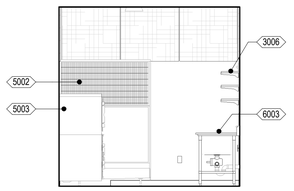
C3 PUPPY KENNELS - EAST WALL
1/4" = 1'-0"



A2 CAT GROUP
1/4" = 1'-0"



A4 PUPPY KENNELS
1/4" = 1'-0"



A1 PUPPY KENNELS - SOUTH WALL
1/4" = 1'-0"

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G. SEE Q-101 FOR EQUIPMENT SCHEDULE

CP/CI EQUIPMENT SCHEDULE

EQUIPMENT NO.	DESCRIPTON	SIZE
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ENLARGED PLANS, AND INTERIOR ELEVATIONS

Q-402

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FIRE ALARM SYMBOLS

SYMBOL	DESCRIPTION
LCP	LOCAL COMBINED FIRE ALARM/MASS NOTIFICATION PANEL WITH ACU (MONACO MAAP-X, SLAVE)
FAA	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
M	PULL STATION
LOC	LOCAL OPERATING CONSOLE
IM	INTERFACE MODULE
PS	POWER SUPPLY
S	INTELLIGIBLE SPEAKER NOTIFICATION
WP	COMBINATION FA/ HORN STROBE WEATHER PROOF
	COMBINATION FA/HORN STROBE LIGHT
	STROBE LIGHT ONLY
B	BELL (GONG)
MDS	MESSAGE DISPLAY SIGN
RAP	REMOTE ANNUNCIATOR PANEL (MONACO)
S	PHOTOELECTRIC SMOKE DETECTOR
SI	IONIZATION SMOKE DETECTOR
SA	COMBINATION FA/HORN STROBE
	COMBINATION FA/HORN STROBE LIGHT
H	HEAT DETECTOR
SBT	BEAM TRANSMITTER
SBR	BEAM RECEIVER
SU	UNDER FLOOR SMOKE DETECTOR
SD	DUCT DETECTOR
S	FIRE/SMOKE DAMPER
PS	PRESSURE SWITCH
TS	TAMPER SWITCH
FS	FLOW SWITCH
PIV	POST INDICATOR VALVE
CO	CO DETECTOR

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JON CHARLES ANTHONY
NEW MEXICO
13843
REGISTERED PROFESSIONAL ENGINEER
04/26/25

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

Owner

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FIRE ALARM SYMBOL LEGEND

FA-001

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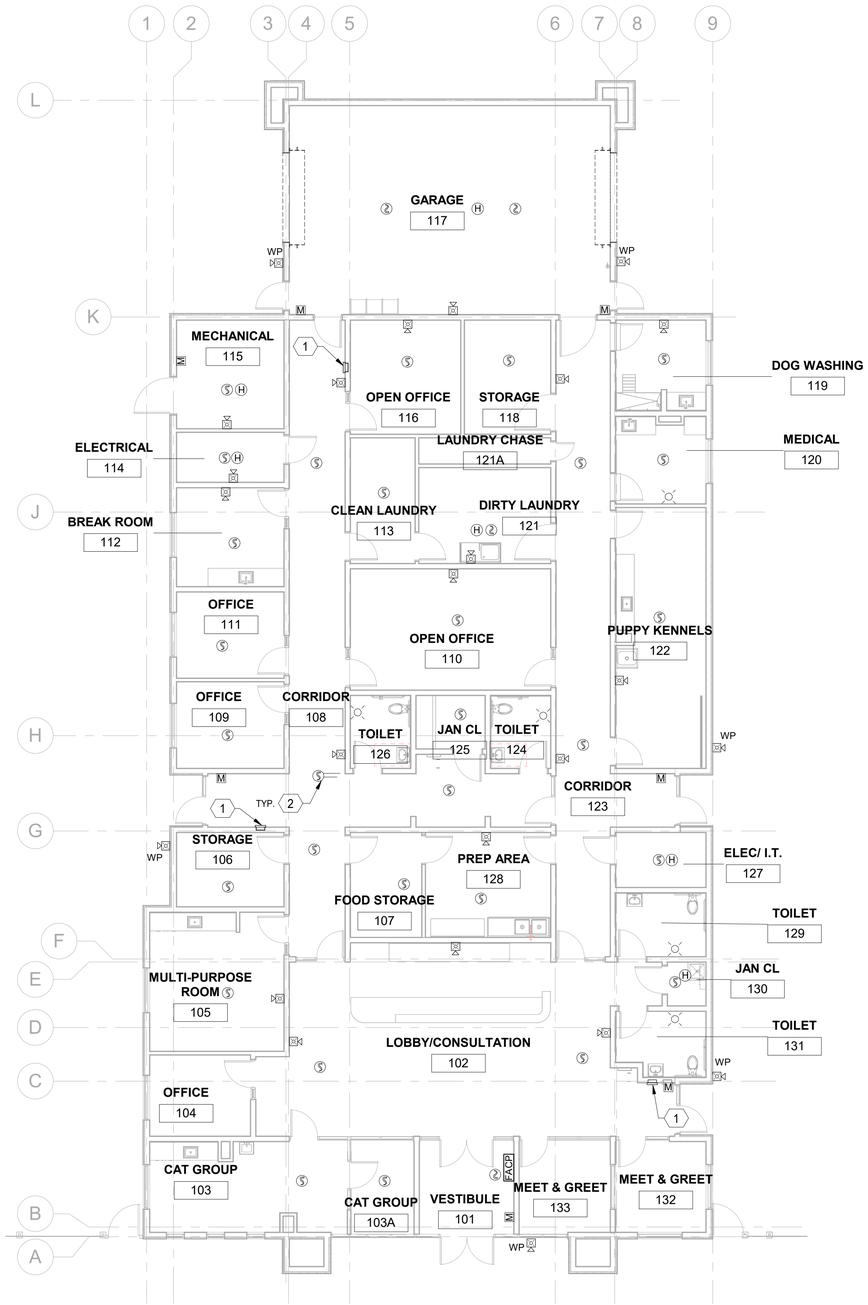

A1 **FIRE ALARM PLAN**
1/8" = 1'-0"

PLAN NORTH TRUE NORTH

GENERAL NOTES

A. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND PROVIDING ALL WORK INDICATED ON THE DRAWINGS, THIS CONSISTS OF FURNISHING ALL LABOR, EQUIPMENT, SUPPLIES, AND MATERIALS IN ADDITION TO PERFORMING ALL OPERATIONS.
B. PERFORM ALL ELECTRICAL WORK IN A NEAT AND WORKMANLIKE MANNER IN FULL COMPLIANCE WITH ALL APPLICABLE CODES AND THE NATIONAL ELECTRICAL CODE (NEC).
C. CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER OF ANY AND ALL DISCREPANCIES FOUND BETWEEN CONTRACT DOCUMENTS.
D. CONTRACTOR SHALL FOLLOW ALL MANUFACTURER RECOMMENDED INSTALLATION GUIDELINES.
E. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
F. ALL CONDUCTORS SHALL BE COPPER, RATED FOR 600 VOLTS WITH TYPE THHN/THWN, 90 DEGREE INSULATION UNLESS OTHERWISE NOTED. MINIMUM WIRE SIZE SHALL BE #12 AWG FOR POWER CIRCUITS. CONDUCTORS SHALL BE SOLID WIRE FOR #12 AWG AND STRANDED FOR #10 AWG OR LARGER. ALL WIRING SHALL BE RUN IN CONDUIT INCLUDING LOW VOLTAGE CONTROL WIRING. SIGNAL WIRING MAY BE RUN IN PVC CONDUIT OR PVC FLEXIBLE TUBING.
G. GENERALLY, CONDUIT SHALL BE EMT, 3/4" MINIMUM. IN AREAS SUBJECT TO DAMAGE CONDUIT SHALL BE RIGID OR IMC TYPE. ALL CONDUIT SHALL BE CONCEALED UNLESS NOTED OTHERWISE.
H. SUPPORT ALL CONDUIT INDEPENDENTLY FROM THE BUILDING STRUCTURE. DO NOT SUPPORT FROM VENTILATION DUCTS, MECHANICAL PIPING, SUSPENDED CEILING GRIDS, OR THEIR HANGERS. USE NEC ACCEPTABLE METHODS OF SUPPORT.
I. INSTALL EXTERIOR WIRING AND DEVICES IN CONDUIT WITH WEATHERPROOF FITTINGS AND IN WEATHERPROOF BOXES. ALL DEVICES AND EQUIPMENT SHALL BE RATED FOR EXTERIOR USE.
J. MAINTAIN A MINIMUM OF 24 INCH SEPARATION BETWEEN EXTERIOR POWER CONDUITS AND SIGNAL CONDUITS AS PRACTICAL. ROUTE CONDUITS TO NOT CROSS EACH OTHER.

KEYED NOTES (X)

1. FIRE EXTINGUISHER CABINET.
2. SUPPLY DUCT DETECTOR SHALL SHUNT TRIP MECH. UNIT RTU-1 AND MONITORED AT FIRE ALARM PANEL.

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FIRE ALARM PLAN

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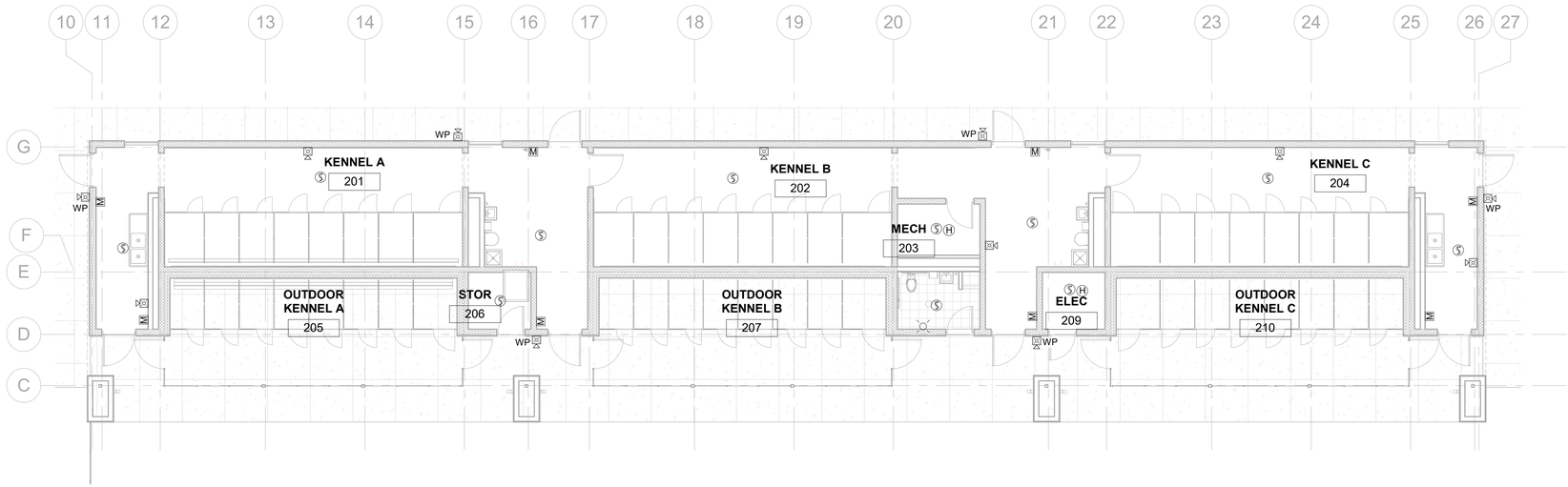

PLAN NORTH TRUE NORTH

A1 FIRE ALARM KENNEL PLAN
1/8" = 1'-0"

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FIRE ALARM KENNEL PLAN

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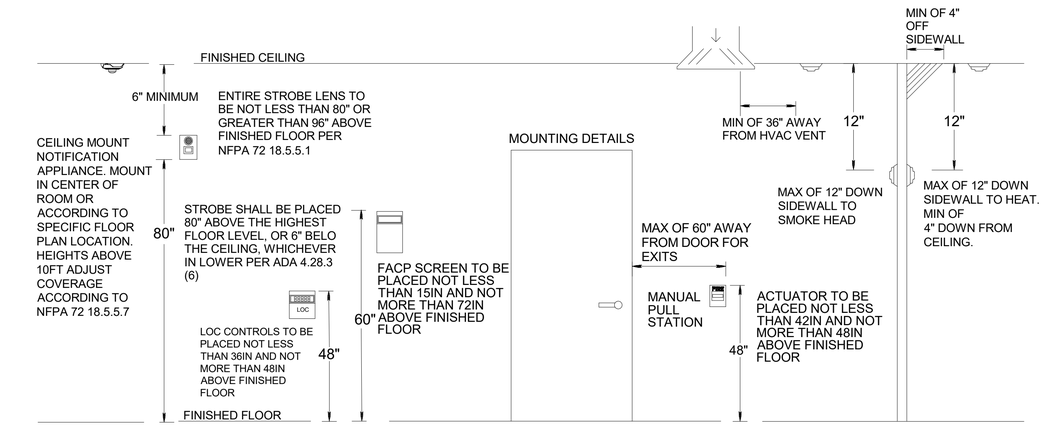

A1 FIRE PROTECTION WATER ENTRY, TYPICAL DETAILS
NO SCALE

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04/26/25

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FIRE ALARM DETAILS

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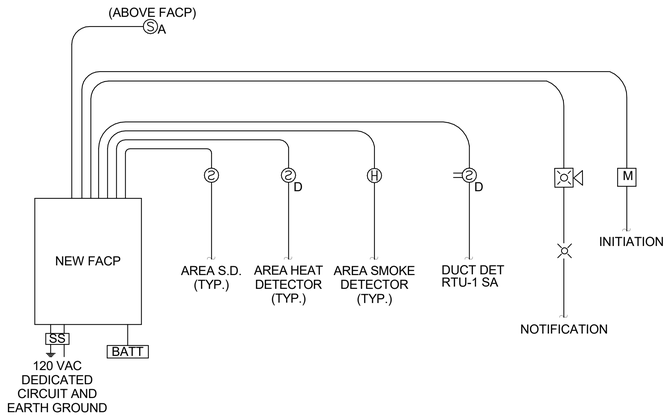
FIRE ALARM OPERATIONAL MATRIX

	ACTUATES FIRE ALARM CONDITION AT FIRE ALARM CONTROL PANEL (FACP)	ANNUNCIATES ALARM (LOC)	TRANSMITS SIGNAL TO RECEIVING SYSTEM	ACTUATES SUPERVISORY CONDITION AT FIRE ALARM CONTROL UNIT (FACP)	TRANSMITS SUPERVISORY SIGNAL TO RECEIVING SYSTEM	ACTUATES TROUBLE CONDITION AT FIRE ALARM CONTROL UNIT (FACP)	TRANSMITS TROUBLE SIGNAL TO RECEIVING SYSTEM	TRANSMITS WATER FLOW SIGNAL TO RECEIVING SYSTEM	ACTIVATES INTERIOR FIRE ALARM AUDIO/ VISUAL NOTIFICATION APPLIANCES THROUGHOUT THE BUILDING	SHUT DOWN HVAC UNITS
MANUAL PULL STATIONS										
• ALL	○	○	○					○		
DETECTION DEVICES										
• SYSTEM DUCT DETECTOR				○		○				○
• AREA SMOKE DETECTION	○	○	○					○		○
• HEAT DETECTION	○	○	○					○		○
FIRE DEPARTMENT MANUAL CONTROLS (LOCATED AT FACP)										
• FACP									○	
LOSS OF POWER AT THE FACP OR PS-#						○		○		
ABNORMAL CIRCUT OR DEVICE						○		○		



A1 FIRE ALARM/ VOICE NOTIFICATION SYSTEM RISER DIAGRAM

SCALE: N.T.S.

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JON CHARLES ANTHONY
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09/26/25

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FIRE PROTECTION DIAGRAM

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GENERAL

1 — KEYED NOTE IDENTIFIER

DETAIL IDENTIFIER
1 = DETAIL NUMBER
M1 = DRAWING NUMBER SHOWING DETAIL
M3 = DRAWING NUMBER WHERE DETAIL IS DRAWN

XX-X — EQUIPMENT IDENTIFIER

X / X — EQUIPMENT TAG

EMO — EMERGENCY HVAC SHUTDOWN, EMO, RED MUSHROOM CONTACT

DETAIL REFERENCE

PIPING LABELS

CW	COLD WATER
HW	HOT WATER
HWR	HOT WATER RECIRC
S	SANITARY WASTE
V	VENT
G	GAS PIPING
CD	CONDENSATE DRAIN
FP	FIRE PROTECTION
	PIPE IN SLEEVE
LPS	LOW PRESSURE STEAM
LPC	LOW PRESSURE CONDENSATE
	EXISTING PIPING

PIPING SYMBOLS

- BALL VALVE
- BUTTERFLY VALVE
- CHECK VALVE
- CONTROL VALVE (TWO WAY)
- CONTROL VALVE (3-WAY)
- GATE VALVE
- GLOBE VALVE
- NEEDLE VALVE
- PLUG VALVE COCK
- PRESSURE REDUCING VALVE
- EXPANSION JOINT
- EXPANSION LOOP
- FLEXIBLE PIPE CONNECTION
- STEAM TRAP
- STRAINER
- SOLENOID VALVE
- STRAINER W/BLOW-OFF VALVE
- THERMOMETER
- PETE'S PLUG (PRESS/TEMP)
- TEMP GAUGE WITH VALVE
- CAP OR PLUG
- ELBOW - TURNED UP
- ELBOW - TURNED DOWN
- FLANGE CONNECTION
- TEE - OUTLET UP
- TEE - OUTLET DOWN
- UNION
- DIRECTION OF FLOW
- PITCH PIPING DOWN
- SIGHT GLASS
- PRESSURE GAUGE

ABBREVIATIONS

A	
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ACS DR	ACCESS DOOR
ACOUS LN	ACOUSTIC LINING
A/C	AIR CONDITIONING
AHU	AIR HANDLING UNIT
AD	ACCESS DOOR
B	
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BHP	BRAKE HORSEPOWER
BTUH	BTU PER HOUR
BMCS	BUILDING MANAGEMENT CONTROL SYSTEM
BP	BUILDING PRESSURE
C	
CO	CLEANOUT
COTF	CLEANOUT TO FLOOR
COTG	CLEANOUT TO GRADE
COTW	CLEANOUT TO WALL
CAM	CONTINUOUS AIR MONITORING
CAV	CONSTANT AIR VOLUME
CONT.	CONTINUATION
CF/CI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CFM	CUBIC FEET PER MINUTE
D	
DEMO	DEMOLISH, DEMOLITION
DR	DRAIN
DX	DIRECT EXPANSION
E	
EF	EXHAUST FAN
EP	ELECTRIC-PNEUMATIC
EXH	EXHAUST
EXV	EXHAUST VENT
(E)	EXISTING
F	
°F	DEGREES FAHRENHEIT
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FH	FUME HOOD
FLEX	FLEXIBLE
FLEX CONN	FLEXIBLE CONNECTOR
FT	FEET
FPM	FEET PER MINUTE
G	
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GF/CI	GOVERNMENT FURNISHED, CONTRACTOR INSTALLED
GF/GI	GOVERNMENT FURNISHED, GOVERNMENT INSTALLED
GA	GAGE
GALV	GALVANIZED
GEV	GLOVEBOX EXHAUST VALVE
GL	GLYCOL
H	
HD	HEAD, HUB DRAIN, HEAT DETECTOR
HEPA	HIGH EFFICIENCY PARTICULATE AIR
HOA	HAND-OFF-AUTOMATIC
HC	HEATING COIL
HP	HORSEPOWER
HSTAT	HUMIDISTAT
HT	HEIGHT
HTG	HEATING
HTR	HEATER
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
HW	HOT WATER
HWR	HOT WATER RECIRCULATING
HYD	HYDRANT
HZ	HERTZ
I	
IN	INCHES
ID	INNER DIAMETER
K	
KW	KILOWATT
KWH	KILOWATT HOUR
L	
LX	LABORATORY EXHAUST AIR
M	
MA	MIXED AIR
MAX	MAXIMUM
MIN	MINIMUM
N	
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO.	NUMBER (QUANTITY)
NPW	NON-POTABLE WATER
O	
OBD	OPPOSED BLADE DAMPER
OA	OUTSIDE AIR
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF/CI	OWNER FURNISHED, CONTRACTOR INSTALLED
OF/OI	OWNER FURNISHED, OWNER INSTALLED
P	
PCM	PROGRAMMABLE CONTROL MODULE
PH	MEASURE OF ACIDITY OR ALKALINITY
POC	POINT OF CONNECTION TO EXISTING
POR	POINT OF REMOVAL FROM EXISTING
PSIG	POUNDS PER SQUARE INCH GAGE
PRV	PRESSURE REDUCING VALVE
Q	
QTY	QUANTITY
R	
RLA	RELIEF AIR
RA	RETURN AIR
RPM	REVOLUTIONS PER MINUTE
S	
SA	SUPPLY AIR
SD	SMOKE DETECTOR
ST PR	STATIC PRESSURE (INCHES OF WATER)
SST	STAINLESS STEEL
T	
3WAY CV	THREE WAY CONTROL VALVE
TA	TRANSFER AIR
TBD	TO BE DETERMINED
TYP	TYPICAL
U	
UNO	UNLESS NOTED OTHERWISE
V	
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VEL	VELOCITY
VFD	VARIABLE FREQUENCY DRIVE
VTR	VENT THRU ROOF
V	VOLTS
W	
WCO	WALL CLEANOUT

GENERAL PROJECT NOTES

APPLICABLE TO ALL MECHANICAL AND PLUMBING SHEETS. COMPLETE ALL WORK IN FULL COMPLIANCE WITH THE I.P.C., U.P.C., U.M.C., I.M.C., I.B.C., LIFE SAFETY CODE, N.F.P.A., AND ALL REFERENCED CODES AND CRITERIA.

A. REFER TO SPECIFICATION MANUAL FOR PRODUCT INFORMATION, PERFORMANCE REQUIREMENTS, SUBMITTALS AND ACCEPTABLE PRODUCT APPLICATION AND INSTALLATION.
B. PROVIDE EQUIPMENT WITH ALL REQUIRED SERVICE AND OPERATIONAL CLEARANCES, INCLUDING ALL REQUIRED CLEARANCES TO COMBUSTIBLES (WHERE APPLICABLE) AND ALL CLEARANCES REQUIRED BY NEC ARTICLE 110.
C. COORDINATE WORK WITH OTHER TRADES TO MINIMIZE CONFLICTS.
D. REFER TO PLUMBING FIXTURE SCHEDULE FOR FIXTURE, PIPE SIZING, AND ACCESSORIES INFORMATION.
E. ALL BRANCHES SHALL BE VALVED AND ALL VALVES SHALL HAVE UNIONS ADJACENT. ACCESS PANELS AND DOORS SHALL BE FURNISHED TO GENERAL CONTRACTOR FOR INSTALLATION AND ACCESS TO VALVES WHERE REQUIRED. LOCATE ADDITIONAL VALVES AS SHOWN ON DRAWINGS. SEE SPECIFICATIONS FOR ACCESS DOOR REQUIREMENTS.
F. ALL PIPING SHALL PITCH TO DRAIN AND CONTRACTOR SHALL PROVIDE VALVING FOR SYSTEM DRAINAGE.
G. CONTRACTOR SHALL DELIVER A MARKED-UP SET OF PLANS TO THE OWNER (PRIOR TO FINAL PAYMENT) SHOWING ALL BRANCH VALVES AND ALL DRAINAGE POINTS.
H. CARE SHALL BE TAKEN TO AVOID MECHANICAL DUCTWORK, ELECTRICAL EQUIPMENT AND AIR HANDLING EQUIPMENT ABOVE CEILING. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ROUTING WITH OTHER DISCIPLINES, RELOCATION OF PIPING DUE TO CONFLICTS SHALL BE AT THE EXPENSE OF THIS CONTRACTOR.
I. PIPING BELOW ROOF OR BELOW FLOOR SHALL RUN AS CLOSE AS POSSIBLE TO STRUCTURE AND MAINTAIN SLOPE PER CODE AND SPECIFICATIONS.
J. PROVIDE 12"x12" MINIMUM SIZE ACCESS PANELS FOR VALVES, WATER HAMMER ARRESTORS, AND ALL OTHER DEVICES ABOVE HARD CEILINGS AND BEHIND WALLS UNLESS OTHERWISE NOTED. COORDINATE WITH GENERAL CONTRACTOR.
K. RUN ALL VERTICAL PIPES IN WALL SPACES OR INDICATED CHASES, OR EXPOSED IN MECHANICAL/JANITOR ROOMS.
L. DEVICES NOT SHOWN ON THE FLOOR PLANS ARE SHOWN ON DIAGRAMS, OR DETAILS, OR ARE INCLUDED IN NOTES OR SPECIFICATIONS.
M. ALL PIPING SHALL BE CONCEALED WHERE POSSIBLE. PIPING SHALL BE INSTALLED IN A NEAT AND PROFESSIONAL MANNER.
N. SECURE ALL PIPING TO WALLS FOR A RIGID INSTALLATION WITH UNISTRUT BRACKETS AND GASKETED PIPE CLAMPS.
O. REFER TO SPECIFICATION MANUAL FOR PRODUCT INFORMATION, PERFORMANCE REQUIREMENTS, SUBMITTALS AND ACCEPTABLE PRODUCT APPLICATION AND INSTALLATION.
M. DOMESTIC WATER SHALL BE ROUTED ABOVE CEILING AND DOWN IN WALLS SERVING INDIVIDUAL PLUMBING FIXTURES WITH THE USE OF COPPER PIPING. DOMESTIC WATER SUPPLY LINES SHALL BE INSULATED WITH JACKETED INSULATION (R-3) AND SUPPORTED THROUGHOUT.
N. NO WATER PIPING SHALL BE LOCATED IN OUTSIDE WALLS UNLESS SHOWN TO BE AND THEN PIPING TO BE INSULATED AND LOCATED AS CLOSE AS POSSIBLE TO INSIDE OF WALL CAVITY WITH ADDITIONAL INSULATION BETWEEN PIPING AND EXTERIOR OF WALL.
O. ALL PLUMBING FIXTURES SHALL HAVE SHUT-OFF VALVES TO ALLOW FOR MAINTENANCE TO INDIVIDUAL FIXTURES.
P. PROVIDE INDIVIDUAL (WALL OR FLOOR) CLEANOUTS IN ADDITION TO THOSE SHOWN ON PLANS AS FOLLOWS: GENERAL: ALL WASTE CHANGES OF DIRECTION AND CODE DISTANCES. TOILET ROOMS: WASTE CONNECTED TO FIRST FIXTURE IN A GROUP. DRAWINGS ARE CONSIDERED SCHEMATIC IN NATURE. PROVIDE REQUIRED FITTINGS AND OFFSETS FOR A COMPLETELY OPERATIONAL INSTALLATION.
Q. TEST PIPING PRIOR TO INSTALLATION OF INSULATION.
R. LABEL ALL VALVES. PROVIDE ISOLATION VALVES AT ALL COLD AND HOT WATER BRANCHES FROM MAINS SERVING ONE OR MORE FIXTURES.
S. DO NOT RUN PIPING OVER ANY ELECTRICAL PANEL, REGARDLESS OF HEIGHT.
T. RUN PIPING AS HIGH AS POSSIBLE IN CEILING SPACES. VALVES ABOVE CEILINGS SHALL BE LOCATED AT LEAST 12" AWAY FROM WALLS. SANITARY WASTE SHALL BE SLOPED AT 1/4" PER FOOT MINIMUM, UNLESS NOTED OTHERWISE.
T. PIPING SUPPORTED FROM WALL, SUCH AS DOMESTIC WATER, SHALL BE SUPPORTED SO AS NOT TO DAMAGE THE BUILDING INSULATION AND VAPOR BARRIERS. PROVIDE SUPPORT EXTENSIONS TO KEEP PIPING AWAY FROM INSULATION AND MOISTURE PROOF SUPPORT PENETRATIONS.
U. INSTALL BACK FLOW PREVENTER(S) AS FOLLOWS:
1. BACK FLOW PREVENTER SHALL BE FULLY ACCESSIBLE AND INSTALLED NO HIGHER THAN 6' ABOVE FINISHED FLOOR.
2. PROVIDE INLET AND OUTLET ISOLATION VALVES OF THE SAME SIZE AS THE CONNECTED LINE.
3. ROUTE DRAIN TO CLOSEST FLOOR DRAIN, FLOOR SINK, OR MOP SINK AND TERMINATE WITH AN AIR GAP 6" ABOVE PLUMBING FIXTURE.
4. NO CONNECTION SHALL BE MADE TO ANY EQUIPMENT OR PLUMBING FIXTURE BETWEEN THE BACK FLOW PREVENTER AND THE INCOMING PIPE FROM THE UTILITY.9 IPC, 2009 IMC.

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ROBERT A. QUINTANA II — NEW MEXICO — 16647 — 9/24/25 — LICENSED PROFESSIONAL ENGINEER

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

Owner

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REVIEWED BY:
APPROVED BY:

ISSUE DRAWING LOG:

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PLUMBING SYMBOL LEGEND

P-001

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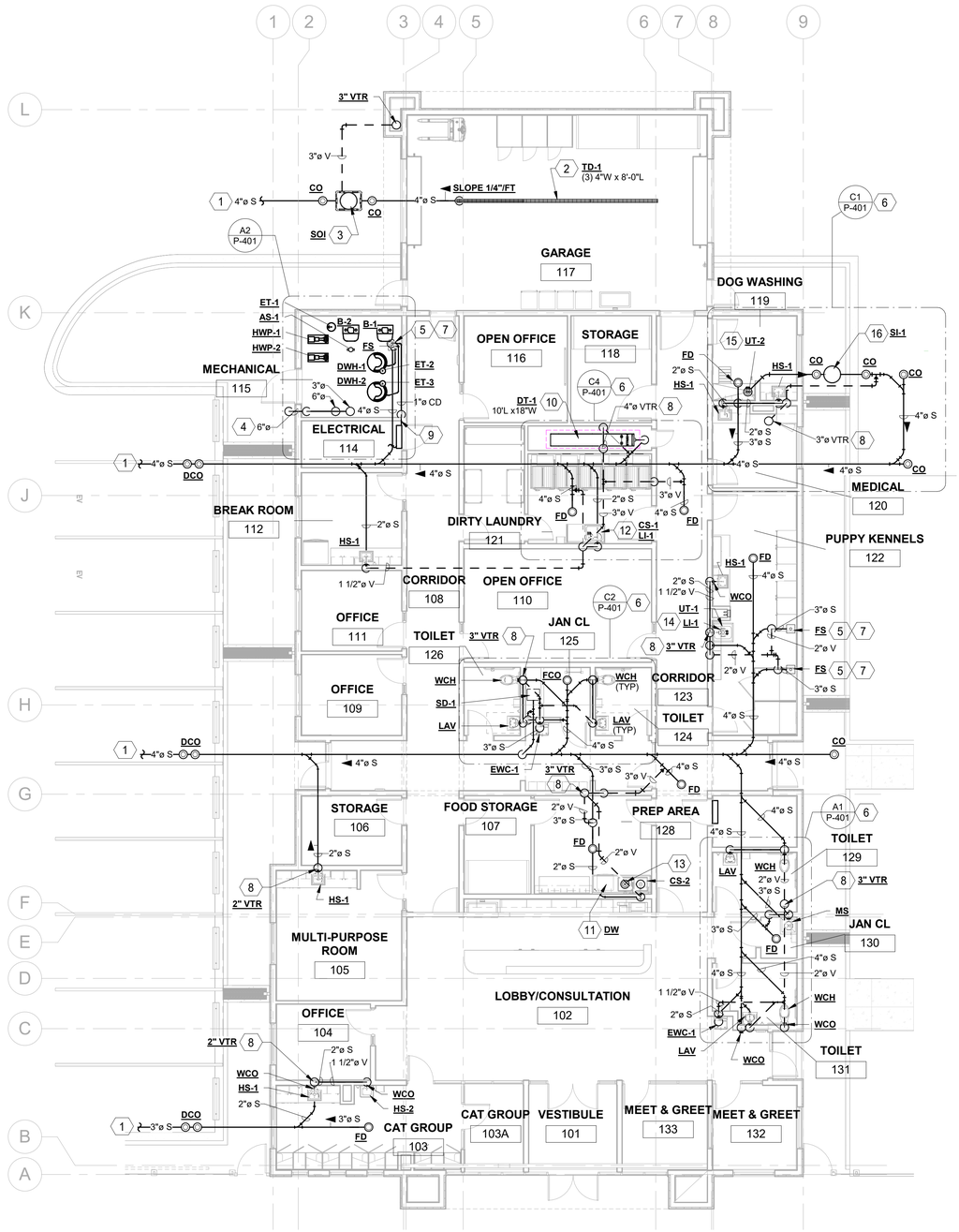

A1 PLUMBING FLOOR PLAN - SEWER AND VENT

1/8" = 1'-0"

PLAN NORTH / TRUE NORTH

GENERAL NOTES

A. REFER TO SHEET P-001 FOR ADDITIONAL GENERAL NOTES INFORMATION.
B. COMPLETE ALL WORK IN FULL COMPLIANCE WITH THE I.P.C., U.P.C., U.M.C., I.M.C., I.B.C., LIFE SAFETY CODE, N.F.P.A., AND ALL REFERENCED CODES AND CRITERIA.
C. REFER TO GENERAL NOTES AND SPECIFICATION MANUAL FOR PRODUCT INFORMATION, PERFORMANCE REQUIREMENTS, SUBMITTALS AND ACCEPTABLE PRODUCT APPLICATION AND INSTALLATION.
D. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE INSTALLATION OF THE FIXTURES WITH THE LOCAL CODE REQUIREMENTS FOR HANDICAP ACCESSIBILITY.
E. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE LAYOUT AND INSTALLATION OF THE PLUMBING SYSTEMS INCLUDING COORDINATION WITH OTHER TRADES, AND MECHANICAL AND ELECTRICAL EQUIPMENT THAT MAY REQUIRE COORDINATION EFFORTS.
F. REFER TO STRUCTURAL DRAWINGS FOR COLUMN AND FOOTING LOCATIONS.
G. WASTE PIPING SHALL BE SCH. 40 PVC OR SDR 35. VENT PIPING SHALL BE STANDARD WEIGHT CAST IRON ABOVE THE FLOOR.
H. ALL WASTE PIPING SHALL BE SLOPED 1/4" PER FOOT. ALL PIPE ROUTING IS DIAGRAMMATIC BUT ROUTE PIPING AS NEAR AS POSSIBLE AS INDICATED ON PLANS, MAKING MINOR CHANGES IN ROUTING TO ACCOMMODATE THE CONDITIONS AT THE SITE. DO NOT UNDERTAKE MAJOR REROUTING OF PIPING WITHOUT WRITTEN APPROVAL FROM OWNER OR ENGINEER.
I. CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED TRANSITIONS, OFFSETS, MINOR RELOCATIONS AND ALL ASSOCIATED FITTINGS, PIPING AND EQUIPMENT TO INSTALL A COMPLETE AND OPERATIONAL SYSTEM.
J. ALL VENT AND WASTE PIPES SHALL BE LINE SIZE FROM PLUMBING FIXTURE CONNECTIONS UNLESS OTHERWISE INDICATED ON PLAN.
K. PROVIDE WALL CLEANOUTS AT ALL SINKS, LAVATORIES, WATER COOLERS, WATER CLOSET, AND URINALS.

KEYED NOTES (X)

REFER TO PLUMBING ENLARGED PLAN, PLUMBING FIXTURE SCHEDULES FOR ADDITIONAL INFORMATION AND PIPE SIZING CONNECTION SCHEDULE, TYPICAL. PROVIDE WCO, WALL CLEANOUT TYPICAL AT ALL SINKS, LAVATORIES, WATER CLOSETS, AND WATER COOLERS.

1. REFER TO CIVIL SITE UTILITY PLAN FOR CONTINUATION AND ADDITIONAL INFORMATION.
2. TD-1, 4" W X 8'-0" L HEAVY-DUTY FRAME TRENCH DRAIN WITH CLASS 'C' RATED GRATE. (3) MODULAR CHANNEL SECTIONS HAVE POSITIVE SLOPE. TRENCH SLOPED AT 1/4" PER FOOT. REFER TO P-602, PLUMBING FIXTURE SCHEDULE.
3. SOI, 50-GALLON CAPACITY SAND / OIL INTERCEPTOR. UNIT WITH TWO-WAY CO, CLEANOUT(S). COORDINATE LOCATION AND INVERT ELEVATION WITH SITE CIVIL DRAWINGS. REFER TO SHEET P-602, EQUIPMENT SCHEDULE.
4. 6" PVC DRAIN PIPE FROM RPBFP / AIR GAP FITTING. ROUTE PIPE TO OUTDOORS WITH GOOSENECK TERMINATION OR DNS DOWNSPOUT FITTING AT 12-INCHES A.F.G. REFER TO DETAIL D3/P-501.
5. PROVIDE INDIRECT DRAIN FROM MECHANICAL/PLUMBING EQUIPMENT TO FS, FLOOR SINK. REFER TO DETAIL B5/P-501.
6. REFER TO SHEET P-401, ENLARGED PLUMBING PLAN FOR PIPE SIZING AND CONTINUATION.
7. PROVIDE ALL FLOOR SINKS, FLOOR DRAINS AND LINEAR DRAINS WITH ELASTOMERIC TRAP GUARD, TYPICAL. COORDINATE INSTALLATION WITH SLOPE OF FLOOR.
8. VTR, VENT THRU ROOF AS SIZED PER PLAN. OFFSET AS NECESSARY TO AVOID CONFLICT WITH STRUCTURE OR OTHER DISCIPLINES.
9. ROUTE 1" CD, CONDENSATE DRAIN PIPE FROM WALL MOUNTED EVAPORATOR / MINI SPLIT TO FS, FLOOR TERMINATING 12-INCHES A.F.G. COORDINATE WORK WITH MECHANICAL CONTRACTOR.
10. DT-1, DRAIN TROUGH WITH LINT FILTER (10'-0" L x 18" W x 12" T) UNIT INSTALLED BELOW GROUND. SEE GENERAL INFORMATION AND DETAIL B3/P-501. REFER TO SHEET P-602, PLUMBING FIXTURE SCHEDULE.
11. ROUTE DW, DISHWASHER DRAIN HOSE AND CONNECT TO GARBAGE DISPOSAL DRAIN PIPE. SECURE WITH HOSE CLAMP. ENSURE DRAIN IS ABOVE THE SINK TRAP LEVEL TO PREVENT BACKFLOW OF WATER FROM THE SINK INTO THE DISHWASHER.
12. CS-1, SINGLE COMPARTMENT STAINLESS STEEL UTILITY SINK WITH DRAINBOARD. INSTALL LI-1, SIDEKICK HAIR/LINT /SOLIDS INTERCEPTOR. REFER TO EQUIPMENT SCHEDULE AND MFG's RECOMMENDED INSTALLATION.
13. CS-2, TWO-COMPARTMENT SINK WITH GARBAGE DISPOSAL. REFER TO P-601, PLUMBING FIXTURE SCHEDULE.
14. INSTALL LI-1, HAIR/LINT INTERCEPTOR AT UT-1, UTILITY TUB.
15. OWNER PROVIDED, 60" L STAINLESS STEEL BATHING TUB WITH RAMP. INCLUDE ACCESSORY HAIR/LINT INTERCEPTOR AT DRAIN. REFER TO P-602, PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION.
16. SI-1, 50-GALLON CAPACITY SOLIDS INTERCEPTOR. COVER IS TRAFFIC RATED. FINAL LOCATION AND INSTALLATION ELEVATION SHALL BE COORDINATED WITH CIVIL SITE / UTILITY PLAN.

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ROBERT A. QUINTANA II
NEW MEXICO
16647
9/24/25
REGISTERED
PROFESSIONAL ENGINEER

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

Owner

PROJECT NO.:	-
DRAWN BY:	NM
REVIEWED BY:	RAQ
APPROVED BY:	RAQ

ISSUE DRAWING LOG:

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PLUMBING FLOOR PLAN SEWER AND VENT

P-101

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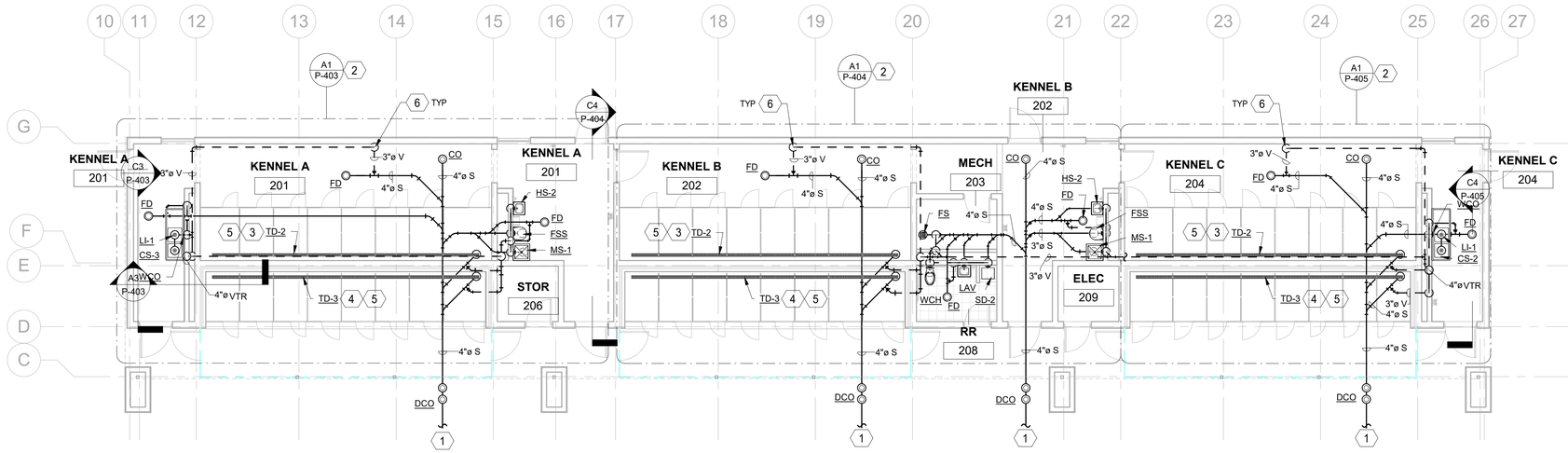

A1 **PLUMBING FLOOR PLAN - SEWER AND VENT KENNEL**
1/8" = 1'-0"

PLAN NORTH / TRUE NORTH

GENERAL NOTES

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H. ALL WASTE PIPING SHALL BE SLOPED 1/4" PER FOOT. ALL PIPE ROUTING IS DIAGRAMMATIC BUT ROUTE PIPING AS NEAR AS POSSIBLE AS INDICATED ON PLANS, MAKING MINOR CHANGES IN ROUTING TO ACCOMMODATE THE CONDITIONS AT THE SITE. DO NOT UNDERTAKE MAJOR REROUTING OF PIPING WITHOUT WRITTEN APPROVAL FROM OWNER OR ENGINEER.
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KEYED NOTES (X)

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1. REFER TO CIVIL SITE UTILITY PLAN FOR CONTINUATION AND INVERT ELEVATION.
2. REFER TO ENLARGED PLANS, SHEETS P-403, P-404 AND P-405. SEE ISOMETRIC VIEWS, P-703 FOR PIPE SIZING AND ADDITIONAL INFORMATION. ROUTING IS DIAGRAMMATIC.
3. TD-2 HAS NOMINAL LENGTH OR SPAN OF 34'-0" (APPROX (4) 8FT SECTIONS). VERIFY LENGTH FABRICATION WITH WITH DURA-TRENCH VENDOR.
4. TD-3 HAS NOMINAL LENGTH OR SPAN OF 33'-0" (APPROX (4) 8FT SECTIONS). VERIFY LENGTH FABRICATION WITH WITH DURA-TRENCH VENDOR.
5. ENSURE FINISH CONCRETE FLOOR IS SLOPED TOWARDS TRENCH DRAIN.
6. 3" VENT RISES UP AND ROUTES / ANCHORED AS CLOSE TO EXTERIOR WALL. PIPING RISES UP AS HIGH AS POSSIBLE AND ROUTES AS SHOWN ON PLAN. PROVIDE CLEAN INSTALL. COORDINATE WITH ARCHITECTURAL FINISH WALL FEATURES TO CONCEAL VENT PIPING.

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ROBERT A. QUINTANA II — NEW MEXICO — 16647 — LICENSED PROFESSIONAL ENGINEER
9/24/25

SANDOVAL COUNTY • STATE OF NEW MEXICO

SEAL OF THE STATE OF NEW MEXICO • GREAT SEAL • 1912

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

Owner

PROJECT NO.:	-
DRAWN BY:	NM
REVIEWED BY:	RAQ
APPROVED BY:	RAQ

ISSUE DRAWING LOG:

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PLUMBING FLOOR PLAN SEWER & VENT KENNEL

P-102

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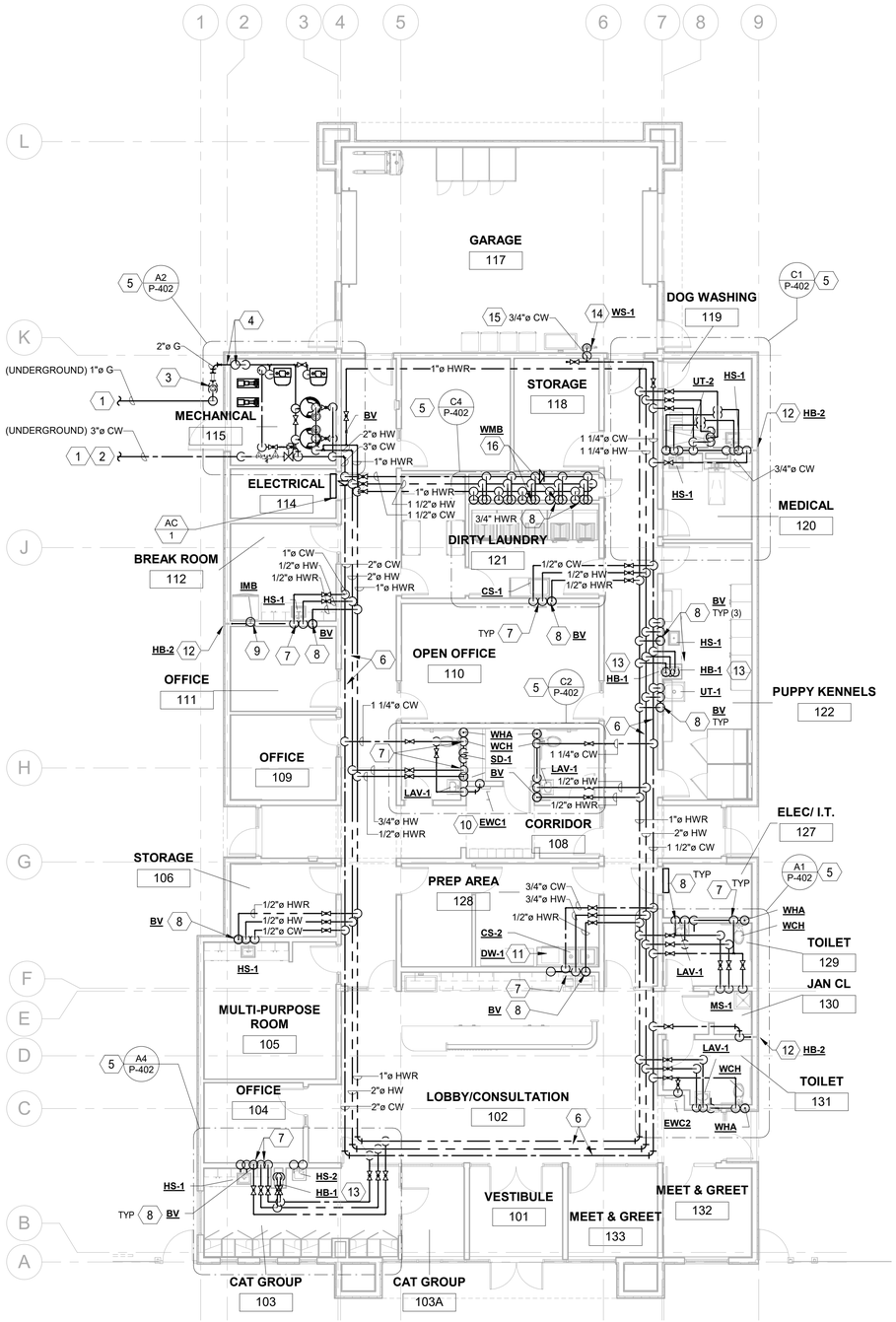

A1 PLUMBING FLOOR PLAN - WATER AND GAS

1/8" = 1'-0"

PLAN NORTH / TRUE NORTH

GENERAL NOTES:

A. REFER TO SHEET P-001 FOR ADDITIONAL GENERAL NOTES INFORMATION.
B. COMPLETE ALL WORK IN FULL COMPLIANCE WITH THE I.P.C., U.M.C, U.P.C., I.M.C., I.B.C., LIFE SAFETY CODE, N.F.P.A., AND ALL REFERENCED CODES AND CRITERIA.
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F. REFER TO STRUCTURAL DRAWINGS FOR COLUMN AND FOOTING LOCATIONS.
G. CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED TRANSITIONS, OFFSETS, MINOR RELOCATIONS AND ALL ASSOCIATED FITTINGS, PIPING AND EQUIPMENT TO INSTALL A COMPLETE AND OPERATIONAL SYSTEM.
H. ALL WATER PIPING SHALL BE TYPE L COPPER ABOVE FLOOR AND TYPE K COPPER, BELOW THE FLOOR. ALL COPPER JOINTS SHALL BE MADE WITH 95/5 TIN/ANTIMONY OR SILVER SOLDERED JOINTS. NO LEAD SOLDER ALLOWED.
I. ALL PIPE ROUTING IS DIAGRAMMATIC BUT ROUTE PIPING AS NEAR AS POSSIBLE AS INDICATED ON PLANS, MAKING MINOR CHANGES IN ROUTING TO ACCOMMODATE THE CONDITIONS AT THE SITE. DO NOT UNDERTAKE MAJOR REROUTING OF PIPING WITHOUT WRITTEN APPROVAL FROM OWNER OR ENGINEER.

KEYED NOTES:

REFER TO PLUMBING GENERAL NOTES, TYPICAL. SEE PLUMBING FIXTURE SCHEDULE, ENLARGED PLANS, PIPE SIZING CONNECTION SCHEDULE, AND ISOMETRICS FOR ADDITIONAL INFORMATION, TYPICAL.

1. REFER TO CIVIL SITE UTILITY PLAN FOR COORDINATION, ELEVATIONS AND OTHER ADDITIONAL INFORMATION.
2. 3" DOMESTIC WATER RISES UP THRU FINISHED SLAB TO RPBFP, REDUCED BACKFLOW PREVENTER WITH STRAINER. SEE DETAIL D4/P-501. REFER TO PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION.
3. NEW GAS METER AND REGULATOR. TOTAL CONNECTED LOAD OF 943 MBH. REGULATOR TO REDUCED GAS PRESSURE TO 0.5" PSI (11" W.C.). MAINTAIN REGULATOR INSTALLATION 10'-0" MINIMUM FROM ANY BUILDING FRESH AIR INTAKES. SEE A5/P-501 GAS & REGULATOR DETAIL.
4. 2-INCH GAS LINE (SLEEVED) THRU WALL TO MECHANICAL ROOM TO SERVE BOILERS AND DOMESTIC WATER HEATERS. 1-INCH GAS LINE CONTINUES UP TO ROOF LEVEL TO SERVE ROOFTOP UNITS. REFER TO SHEET P-201, PLUMBING ROOF PLAN FOR CONTINUATION.
5. SEE ENLARGED PLAN(S) FOR ADDITIONAL INFORMATION AND CONTINUATION.
6. WATER SUPPLY PIPING LOCATED IN CEILING PLENUM, TYPICAL. ROUTING IS DIAGRAMMATIC. PROVIDE SHUT-OFF VALVES, JACKETED INSULATION WITH LABELS AND DIRECTIONAL FLOW. INSTALL PIPING ON UNISTRUT SUPPORTS.
7. WATER SUPPLY PIPING DROPS DOWN IN WALL. EXTEND SUPPLY PIPING TO EACH FIXTURE ALONG WALL OR CHASE AS INDICATED ON PLAN.
8. HWR, HOT RECIRCULATION PIPING TIES INTO HW PIPING, SIZE AS INDICATED ON PLAN. PROVIDE BV, BALANCING VALVE AT 0.25 GPM AND SHUT-OFF VALVE BEFORE PLUMBING FIXTURE, TYPICAL. MAINTAIN IECC PIPING LENGTHS.
9. EXTEND 1/2" CW TO IMB, ICE MAKER BOX. INSTALL FIXTURE AT 30-INCHES A.F.F. REFER TO SHEET P-601, PLUMBING FIXTURE SCHEDULE FOR SPECIFICATION.
10. EXTEND 1/2" CW SUPPLY TO SERVE EWC1, ELECTRIC WATER COOLER.
11. EXTEND 1/2" HW TO DW, DISHWASHER.
12. WH-1, WALL HYDRANT AT 30-INCHES A.F.F.
13. WH-2, CW AND HW RECESSED WALL HYDRANT AT 20" - 24" A.F.F. (COORDINATE WITH ARCHITECTURAL WALL FINISHES, ETC.). REFER TO MANUFACTURER'S RECOMMENDED INSTALL/INSTRUCTIONS. REFER TO SHEET P-601, PLUMBING FIXTURE SCHEDULE FOR SPECIFICATION.
14. WS-1, WALL-MOUNTED WASH STATION. INSTALL UNIT OR STATION AT 44-INCHES A.F.F. FOR ACCESSIBILITY. PROVIDE BACKING FOR SUPPORT. REFER TO SHEET P-601, PLUMBING FIXTURE SCHEDULE FOR SPECIFICATION.
15. 3/4" CW DOWN IN WALL, THEN THRU WALL AND DOWN TO FIXTURE CW CONNECTION. SUPPORT EXPOSED CW PIPING AS REQUIRED WITH UNISTRUT.
16. WMB, WASHING MACHINE BOX WITH HAMMER ARRESTOR TYPICAL OF (5) AT 44-INCHES A.F.F. REFER TO SHEET P-601 FOR SPECIFICATION.

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PLUMBING WATER AND GAS PLAN

P-103

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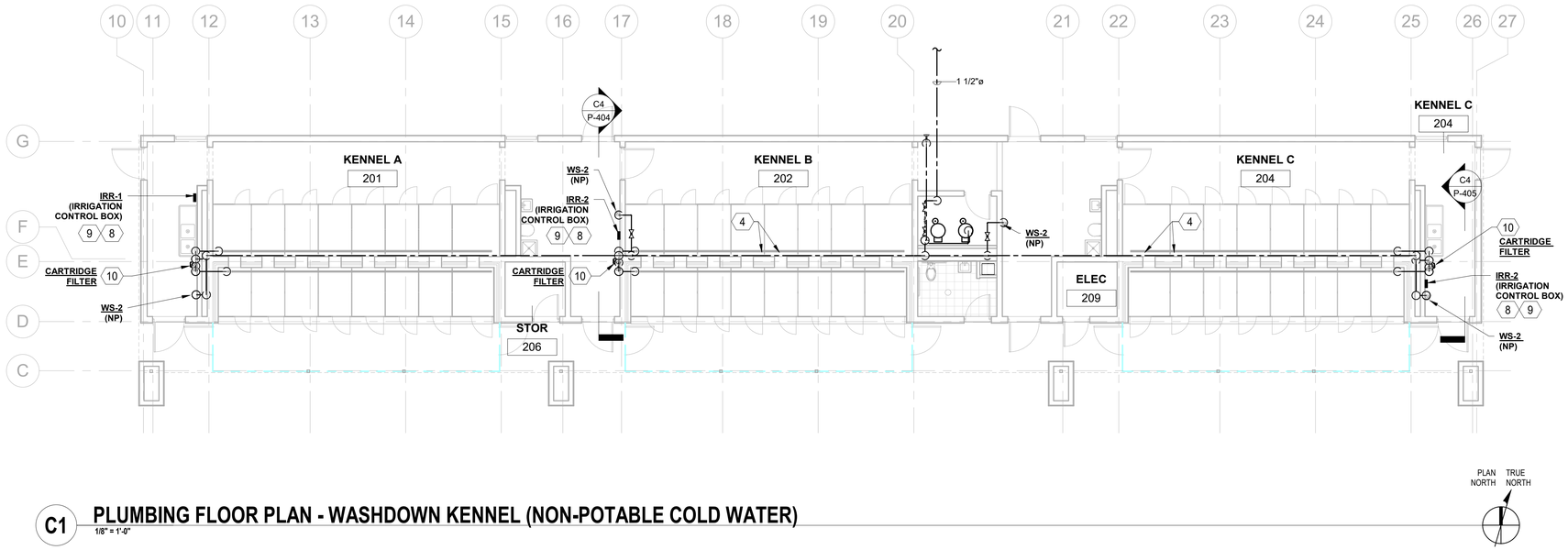
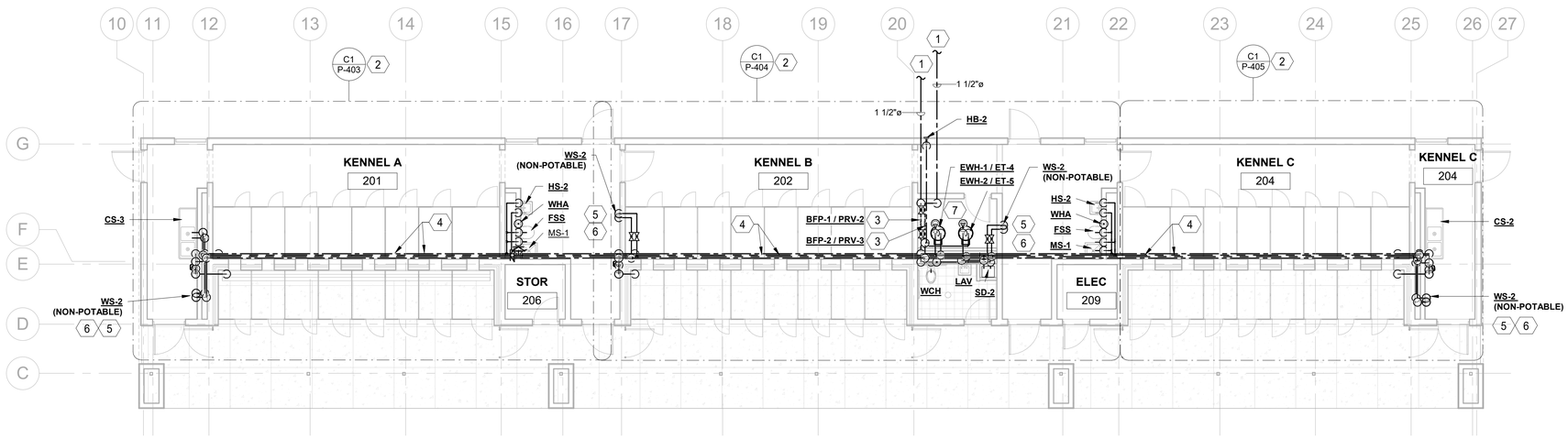


PLAN NORTH TRUE NORTH

C1 PLUMBING FLOOR PLAN - WASHDOWN KENNEL (NON-POTABLE COLD WATER)

1/8" = 1'-0"



PLAN NORTH TRUE NORTH

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2. REFER TO ENLARGED PLANS, SHEETS P-403, P-404 AND P-405 FOR PIPE SIZING AND CONTINUATION. SEE ISOMETRIC VIEWS, P-703 FOR PIPE SIZING AND ADDITIONAL INFORMATION. ROUTING IS DIAGRAMMATIC.
3. 1-1/2" DOMESTIC WATER RISES UP THRU FINISHED SLAB TO BFP, BACKFLOW PREVENTER ASSEMBLY WITH STRAINER. REFER TO AIR GAP DETAIL D3/P-501, SIMILAR. TERMINATE TO FS, FLOOR SINK.
4. WATER SUPPLY PIPING VERTICALLY STACKED AND ANCHORED TO CMU WALL AS HIGH AS POSSIBLE. ROUTING IS DIAGRAMMATIC. REFER TO ENLARGED PLAN AND ISOMETRIC FOR ADDITIONAL INFORMATION. PROVIDE LABELING AND DIRECTIONAL FLOW, TYPICAL.
5. PROVIDE SIGNAGE AND LABEL WATER SUPPLY PIPING AS 'NON-POTABLE' - DO NOT DRINK.
6. PROVIDE ADDITIONAL SUPPORTS OR BACKING TO SECURE WS-2, WASHDOWN STATION TO CMU WALL.
7. REFER TO A4/P-503, EWH-1 AND EWH-2 FOR TYPICAL ELECTRIC WATER HEATER DETAIL.
8. IRR, RAINBIRD SST 400IN PROGRAMMABLE, 2-STATION IRRIGATION CONTROLLER (OR APPROVED EQUAL). TYPICAL OF (3). INSTALL APPROX 60" A.F.F. COORDINATE WITH ARCHITECT INSTALLATION HEIGHT.
9. SEE DETAIL D1 / P-501 FOR MORE ADDITIONAL INFORMATION.
10. WASHDOWN ASSEMBLY WITH FILTER CARTRIDGE. REFER TO ENLARGED PLANS AND ELEVATIONS (P-403, P-404 AND P-405), AND DETAIL D1/P-501 FOR ADDITIONAL INFORMATION.

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ROBERT A. QUINTANA II NEW MEXICO 16647 LICENSED PROFESSIONAL ENGINEER 9/24/25

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

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PLUMBING FLOOR PLAN WATER KENNEL

P-104

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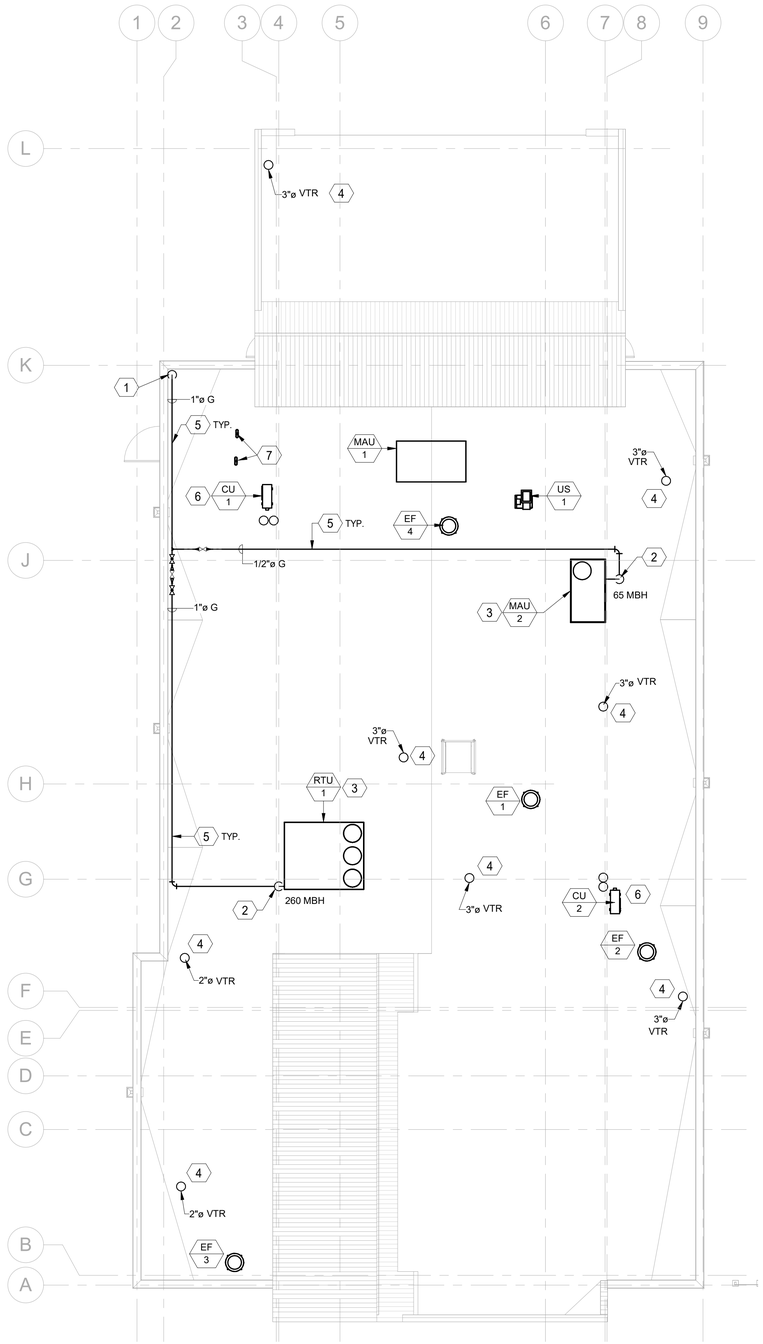

A1 PLUMBING ROOF PLAN

1/8" = 1'-0"

PLAN NORTH TRUE NORTH

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KEYED NOTES:

REFER TO PLUMBING FIXTURE SCHEDULE, ENLARGED PLANS, PIPE SIZING CONNECTION SCHEDULE, AND ISOMETRICS FOR ADDITIONAL INFORMATION, TYPICAL.

1. 1" GAS PIPING RISER FROM MECHANICAL ROOM BELOW. ROUTING IS DIAGRAMMATIC. PROVIDE PIPE SUPPORTS AND COORDINATE ROUTING WITH ROOFTOP EQUIPMENT. PIPE SUPPORT SHALL BE INSTALLED EVERY 8-FEET ON CENTER, INCLUDING ELBOWS AND TEES.
2. ROUTE NATURAL GAS PIPING TO PACKAGED ROOFTOP UNIT AND CONNECT WITH UNION, SHUT-OFF VALVE, DIRT LEG, AND FLEX CONNECTION.
3. ROUTE FULL SIZE CONDENSATE DRAIN FROM ROOFTOP UNIT WITH P-TRAP TO NEAREST DOWNSPOUT. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR PROPER DRAIN CONNECTION.
4. VTR, VENT THRU ROOF. TERMINATE ABOVE ROOF PER CODE. REFER TO DETAIL FOR ADDITIONAL INFORMATION.
5. PROVIDE CORROSION PROTECTIVE COATING ON EXPOSED BLACK STEEL PIPING, TYPICAL.
6. NEW CONDENSING UNIT ON MFG CURB. REFER TO MECHANICAL FLOOR AND ROOF PLAN FOR ADDITIONAL INFORMATION.
7. 3" PVC CONCENTRIC VENT. SEE DETAIL A5/ P-502. REFER TO SHEET M-401, ENLARGED MECHANICAL PLAN FOR ADDITIONAL INFORMATION.

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ROBERT A. QUINTANA II
NEW MEXICO
16647
LICENSED PROFESSIONAL ENGINEER
9/24/25

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

Owner

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REVIEWED BY:	RAQ
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PLUMBING ROOF PLAN

P-201

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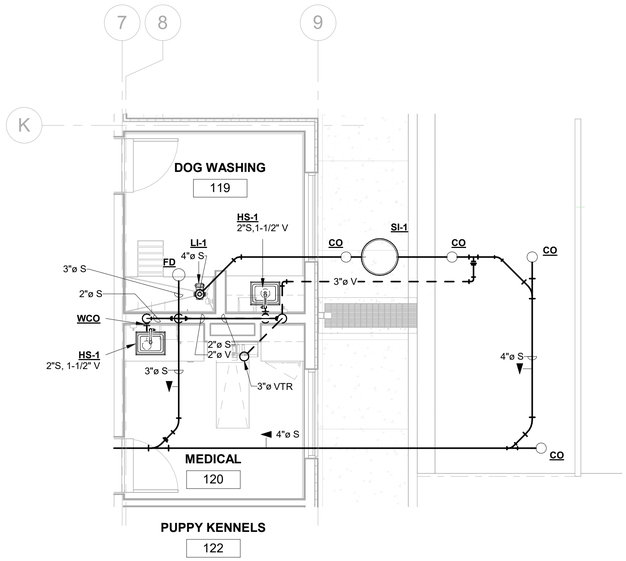
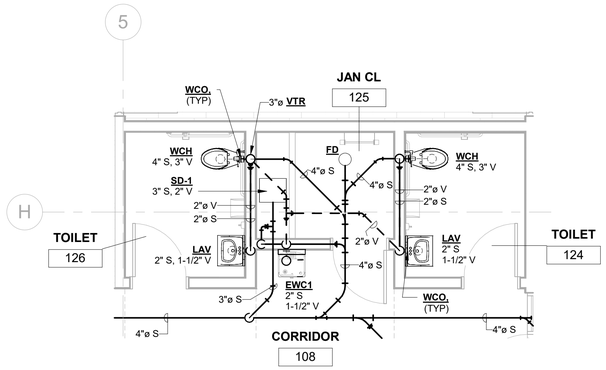


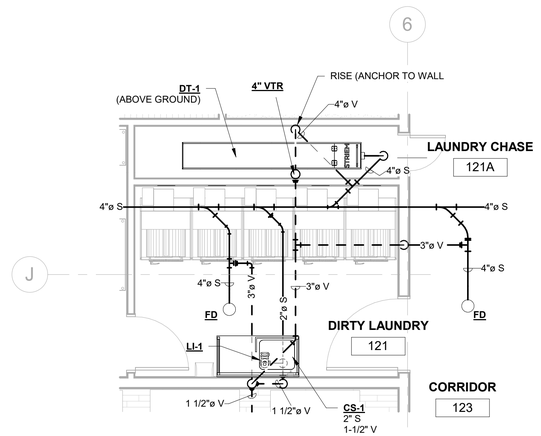
C1 ENLARGED SEWER & VENT PLAN - DOG WASHING STATION

1/4" = 1'-0"



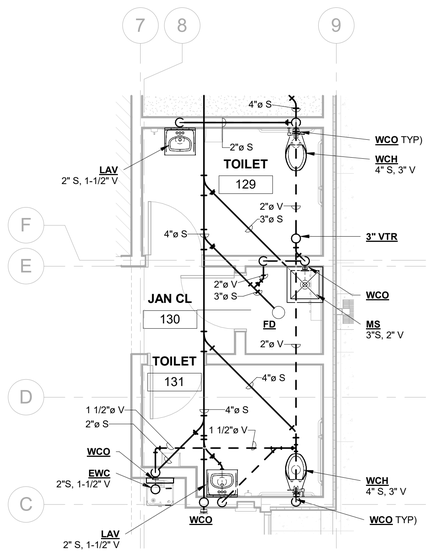
C2 ENLARGED SEWER & VENT PLAN - TOILET ROOMS

1/4" = 1'-0"



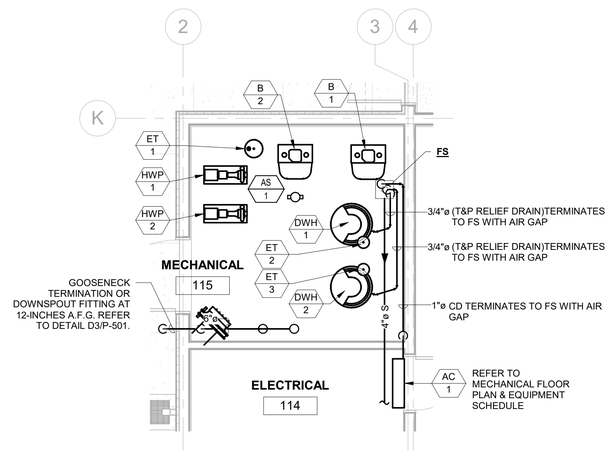
C4 ENLARGED SEWER & VENT PLAN - LAUNDRY AREA

1/4" = 1'-0"



A1 ENLARGED SEWER & VENT PLAN - TOILET ROOMS EAST

1/4" = 1'-0"



A2 ENLARGED SEWER & VENT PLAN - MECHANICAL ROOM

1/4" = 1'-0"

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PLUMBING ENLARGED PLANS

P-401

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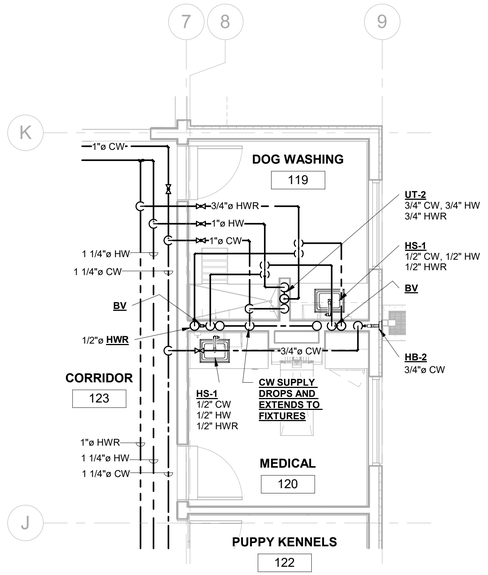
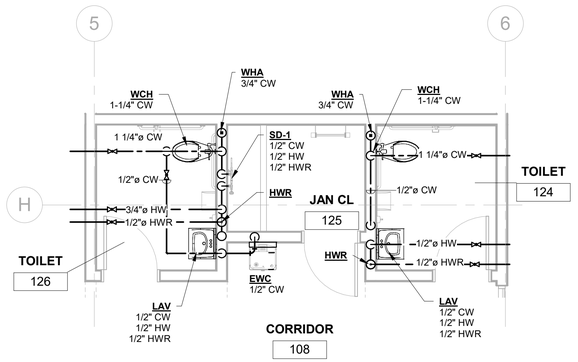


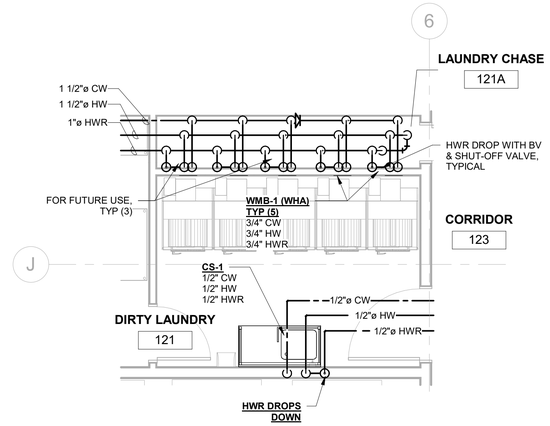
NOTE:
HOT WATER RECIRCULATION PIPING TIES INTO HW PIPING. BV, BALANCING VALVE (CIRCUIT SETTER) AND ISOLATION VALVE AT DROP. MAINTAIN IECC PIPING LENGTHS, TYPICAL.

C1 ENLARGED WATER PLAN - DOG WASHING STATION
1/4" = 1'-0"



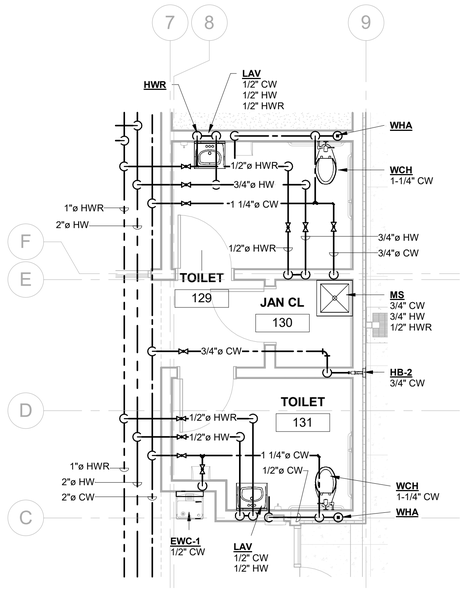
NOTE:
HOT WATER RECIRCULATION PIPING TIES INTO HW PIPING. BV, BALANCING VALVE (CIRCUIT SETTER) AND ISOLATION VALVE AT DROP. MAINTAIN IECC PIPING LENGTHS, TYPICAL.

C2 ENLARGED WATER PLAN - TOILET ROOMS
1/4" = 1'-0"



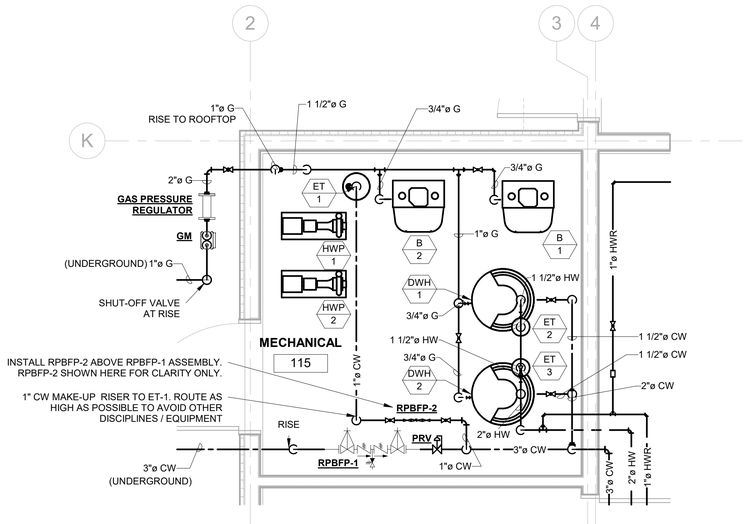
NOTE:
HOT WATER RECIRCULATION PIPING TIES INTO HW PIPING. BV, BALANCING VALVE (CIRCUIT SETTER) AND ISOLATION VALVE AT DROP. MAINTAIN IECC PIPING LENGTHS, TYPICAL.

C4 ENLARGED WATER PLAN - LAUNDRY AREA
1/4" = 1'-0"

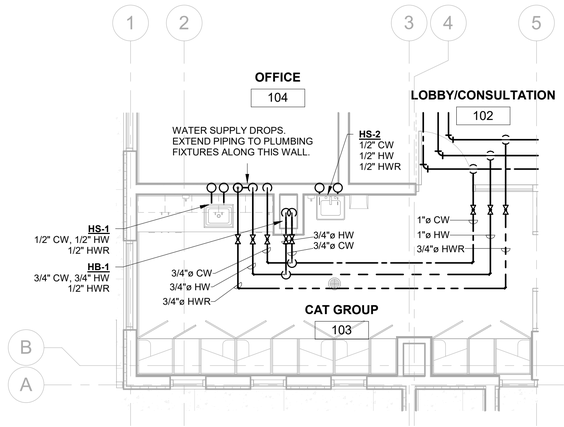


NOTE:
HOT WATER RECIRCULATION PIPING TIES INTO HW PIPING. BV, BALANCING VALVE (CIRCUIT SETTER) AND ISOLATION VALVE AT DROP. MAINTAIN IECC PIPING LENGTHS, TYPICAL.

A1 ENLARGED WATER PLAN - TOILET ROOMS EAST
1/4" = 1'-0"



A2 ENLARGED WATER PLAN - MECHANICAL ROOM
3/8" = 1'-0"



NOTE:
HOT WATER RECIRCULATION PIPING TIES INTO HW PIPING. BV, BALANCING VALVE (CIRCUIT SETTER) AND ISOLATION VALVE AT DROP. MAINTAIN IECC PIPING LENGTHS, TYPICAL.

A4 ENLARGED WATER PLAN - CAT GROUP
1/4" = 1'-0"

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PLUMBING ENLARGED PLANS

P-402

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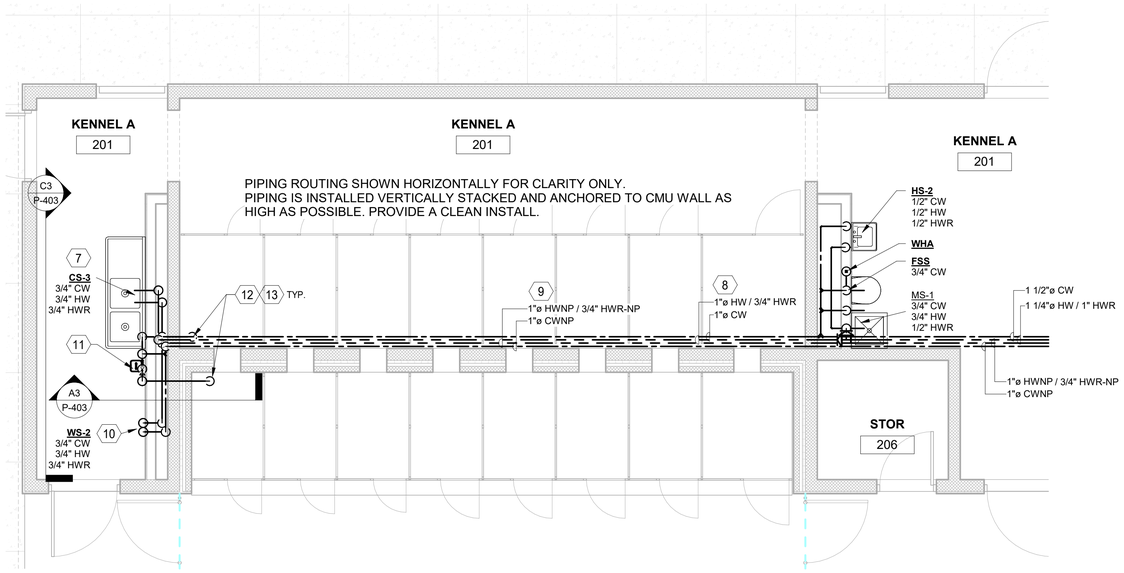
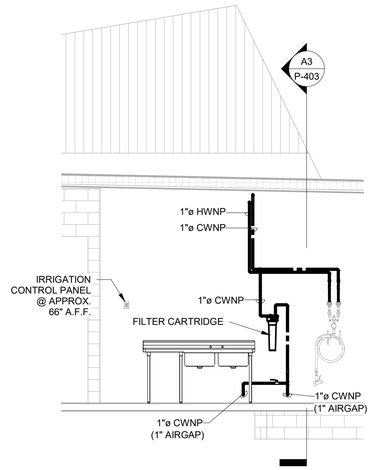


PLAN NORTH TRUE NORTH

C1 ENLARGED WATER & GAS PLAN - KENNEL A

1/4" = 1'-0"

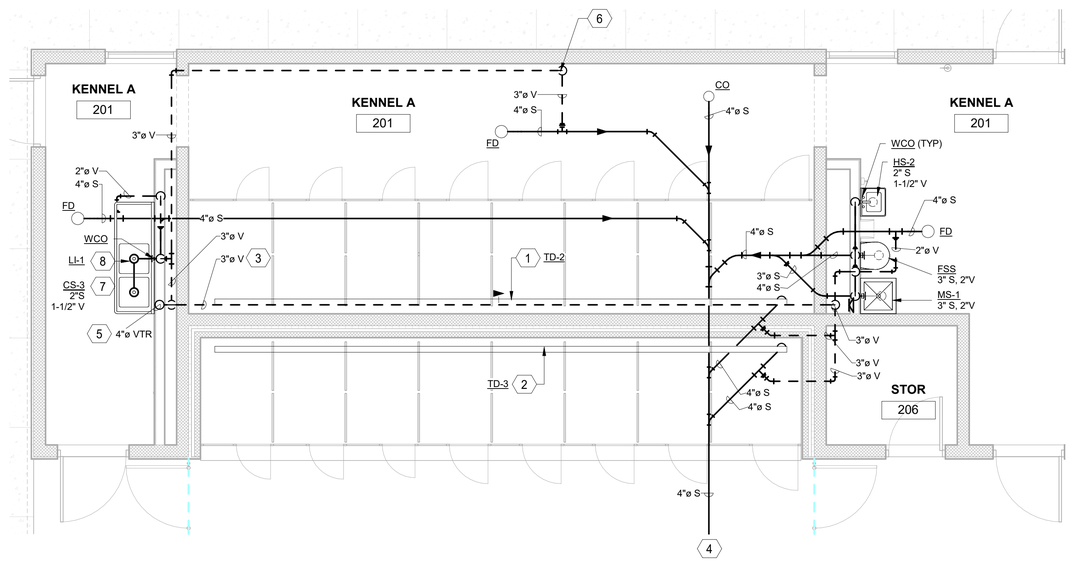


C3 KENNEL A - FILTER ASSEMBLY

1/4" = 1'-0"

KEYED NOTES (X)

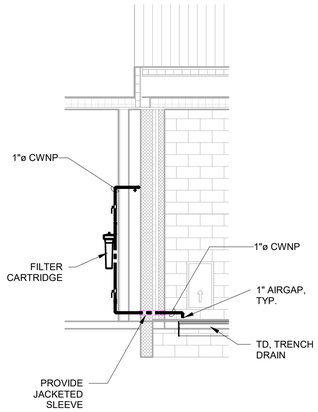
1. TD-2, 34'-4" LONG CONTINUOUS SLOPED TRENCH DRAIN. ENSURE FINISH CONCRETE FLOOR IS SLOPED TOWARDS TRENCH DRAIN. REFER TO SHEET P-601, PLUMBING FIXTURE SCHEDULE.
2. TD-3, 33'-0" LONG CONTINUOUS SLOPED TRENCH DRAIN. ENSURE FINISH CONCRETE FLOOR IS SLOPED TOWARDS TRENCH DRAIN. REFER TO SHEET P-601, PLUMBING FIXTURE SCHEDULE.
3. ROUTE VENT PIPING AND ANCHOR / SECURE TO CMU WALL AT 8'-0" O.C. WITH UNISTRUT. COORDINATE PIPING ELEVATION WITH OTHER DISCIPLINES. PROVIDE LABELING AND DIRECTIONAL FLOW, TYPICAL.
4. SEE SHEET P-102 FOR ADDITIONAL INFORMATION. REFER TO CIVIL SITE UTILITIES PLAN FOR COORDINATION..
5. VTR, VENT THRU ROOF. ROUTING IS DIAGRAMMATIC. OFFSET AS NECESSARY TO AVOID STRUCTURAL AND OTHER DISCIPLINES. MAINTAIN 10'-0" RADIUS CLEARANCE FROM AN AIR INTAKE.
6. 3" VENT RISES UP FROM SLAB AND ROUTES ALONG WALL AS SHOWN ON PLAN. ROUTE AS HIGH AS POSSIBLE AND COORDINATE WITH ARCHITECTURAL AND OTHER DISCIPLINES TO AVOID CONFLICT. ANCHOR WITH UNISTRUT EVERY 8'-0" O.C.
7. CS-3, DOUBLE COMPARTMENT STAINLESS STEEL UTILITY SINK WITH LEFT-SIDE DRAINBOARD.
8. INSTALL LI-1, SIDEKICK HAIR/LINT /SOLIDS INTERCEPTOR. REFER TO EQUIPMENT SCHEDULE AND MFG's RECOMMENDED INSTALLATION.
9. ROUTE WATER SUPPLY PIPES ALONG WALL, STACKED AND AS HIGH AS POSSIBLE. ANCHOR PIPES 8'-0" O.C. AND PROVIDE LABELING AND DIRECTIONAL FLOW, TYPICAL.
10. PROVIDE SIGN AND LABEL PIPING AS 'NON-POTABLE WATER'. COORDINATE WITH ARCHITECTURAL DRAWINGS.
11. EXTEND 1" NPW, NON-POTABLE WATER TO WASHDOWN ASSEMBLY FOR TRENCH DRAIN. SEE TO ELEVATIONS A3 & C3, THIS SHEET FOR REFERENCE. REFER TO DETAIL D1/P-501 FOR ADDITIONAL INFORMATION ON IRRIGATION CONTROL PANEL, FILTER CARTRIDGE, ELECTRICAL AND ZONING. WASHDOWN ASSEMBLY TYPICAL OF (3) TO KENNEL A, B, AND C.
12. EXTEND 1" NPW (Cu / SLEEVED) THROUGH WALL. NPW ELBOWS DOWN TO TRENCH DRAIN WITH 1" AIRGAP.FROM TRENCH DRAIN GRATE.
13. COORDINATE WITH ARCHITECT FINISH DETAILS TO CONCEAL NPW PIPING FROM CANINE TAMPERING OR DAMAGE, TYPICAL.



PLAN NORTH TRUE NORTH

A1 ENLARGED SEWER & VENT PLAN - KENNEL A

1/4" = 1'-0"



A3 KENNELS A , B, C - WASHDOWN / AIRGAP

1/4" = 1'-0"

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PLUMBING ENLARGED PLAN KENNEL A

P-403

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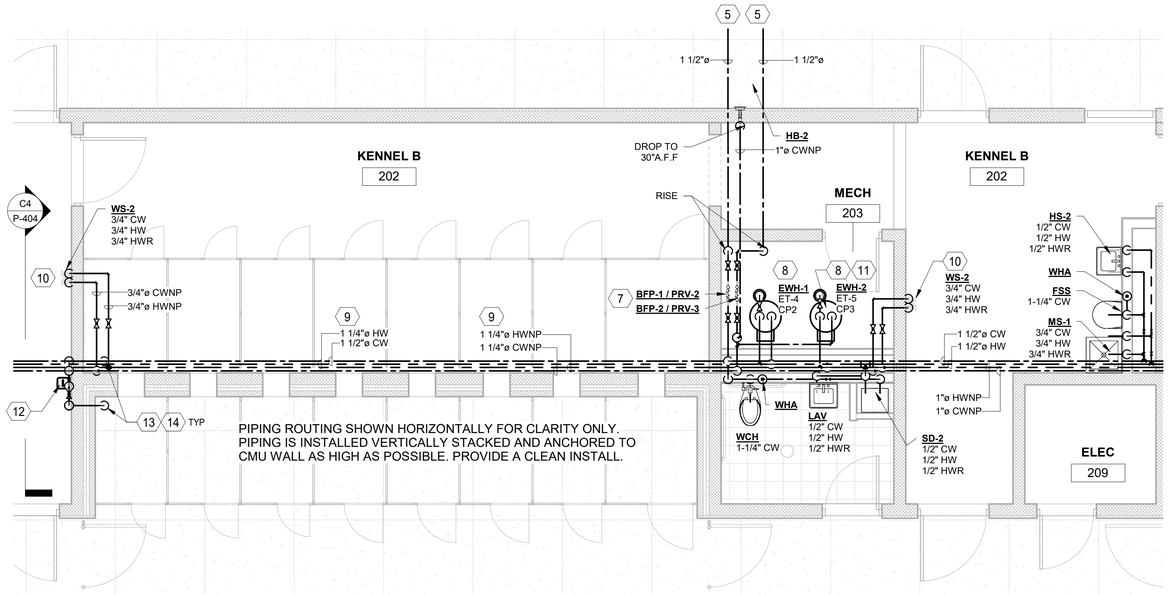
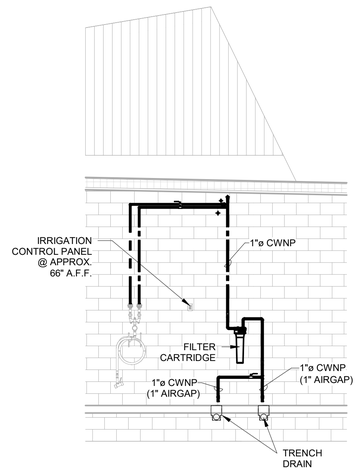


PLAN NORTH TRUE NORTH

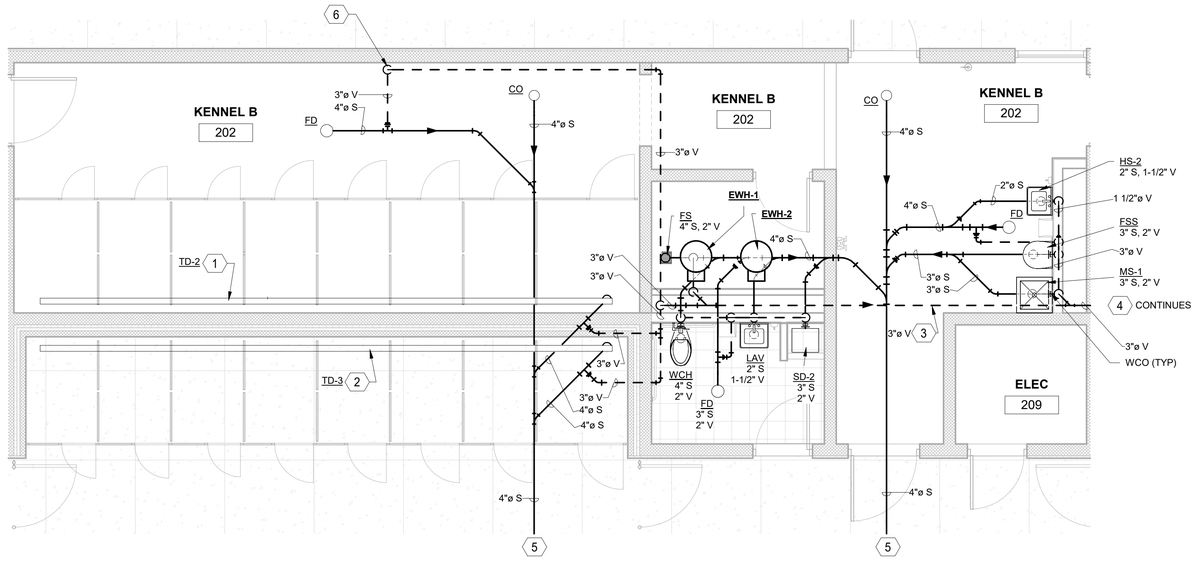
C1 ENLARGED WATER PLAN - KENNEL B

1/4" = 1'-0"



C4 KENNEL B - FILTER ASSEMBLY

1/4" = 1'-0"



PLAN NORTH TRUE NORTH

A1 ENLARGED SEWER & VENT PLAN - KENNEL B

1/4" = 1'-0"

KEYED NOTES (X)

1. TD-2, 34'-4" LONG CONTINUOUS SLOPED TRENCH DRAIN. ENSURE FINISH CONCRETE FLOOR IS SLOPED TOWARDS TRENCH DRAIN. REFER TO SHEET P-601, PLUMBING FIXTURE SCHEDULE.
2. TD-3, 33'-0" LONG CONTINUOUS SLOPED TRENCH DRAIN. ENSURE FINISH CONCRETE FLOOR IS SLOPED TOWARDS TRENCH DRAIN. REFER TO SHEET P-601, PLUMBING FIXTURE SCHEDULE.
3. ROUTE VENT PIPING AND ANCHOR / SECURE TO CMU WALL AT 8'-0" O.C. WITH UNISTRUT. COORDINATE PIPING ELEVATION WITH OTHER DISCIPLINES. PROVIDE LABELING AND DIRECTIONAL FLOW, TYPICAL.
4. SEE SHEET P-102 FOR ADDITIONAL INFORMATION.
5. REFER TO CIVIL SITE UTILITIES PLAN FOR COORDINATION.
6. 3" VENT RISES UP FROM SLAB AND ROUTES ALONG WALL AS SHOWN ON PLAN. ROUTE AS HIGH AS POSSIBLE AND COORDINATE WITH ARCHITECTURAL AND OTHER DISCIPLINES TO AVOID CONFLICT. ANCHOR WITH UNISTRUT EVERY 8'-0" O.C.
7. BFP-1 AND BFP-2, BACKFLOW PREVENTER ASSEMBLY. STACK ASSEMBLY/PIPING AND SUPPORT WITH UNISTRUTS AS REQUIRED. PROVIDE LABELING AND DIRECTIONAL FLOW, TYPICAL.
8. REFER TO A4/P-503, EWH-1 AND EWH-2 TYPICAL ELECTRIC WATER HEATER DETAIL.
9. ROUTE WATER SUPPLY PIPES ALONG WALL, STACKED AND AS HIGH AS POSSIBLE. ANCHOR PIPES 8'-0" O.C. AND PROVIDE LABELING AND DIRECTIONAL FLOW, TYPICAL.
10. PROVIDE SIGN AND LABEL PIPING AS 'NON-POTABLE WATER'. COORDINATE WITH ARCHITECTURAL DRAWINGS.
11. LABEL SUPPLY LINE FROM EWH-2 AS 'NONPOTABLE WATER'.
12. EXTEND 1" NPW, NON-POTABLE WATER TO WASHDOWN ASSEMBLY FOR TRENCH DRAIN. SEE ELEVATION C4/P-404, AND A3 & C3/P-403 FOR REFERENCE. REFER TO DETAIL D1/P-501 FOR ADDITIONAL INFORMATION ON IRRIGATION CONTROL PANEL, FILTER CARTRIDGE, ELECTRICAL AND ZONING. WASHDOWN ASSEMBLY TYPICAL OF (3) TO KENNEL A, B, AND C.
13. EXTEND 1" NPW (Cu / SLEEVED) THROUGH WALL. NPW ELBOWS DOWN TO TRENCH DRAIN WITH 1" AIRGAP.FROM TRENCH DRAIN GRATE.
14. COORDINATE WITH ARCHITECT FINISH DETAILS TO CONCEAL NPW PIPING FROM CANINE TAMPERING OR DAMAGE, TYPICAL.

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Owner

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REVIEWED BY:	RAQ
APPROVED BY:	RAQ

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PLUMBING ENLARGED PLAN KENNEL B

P-404

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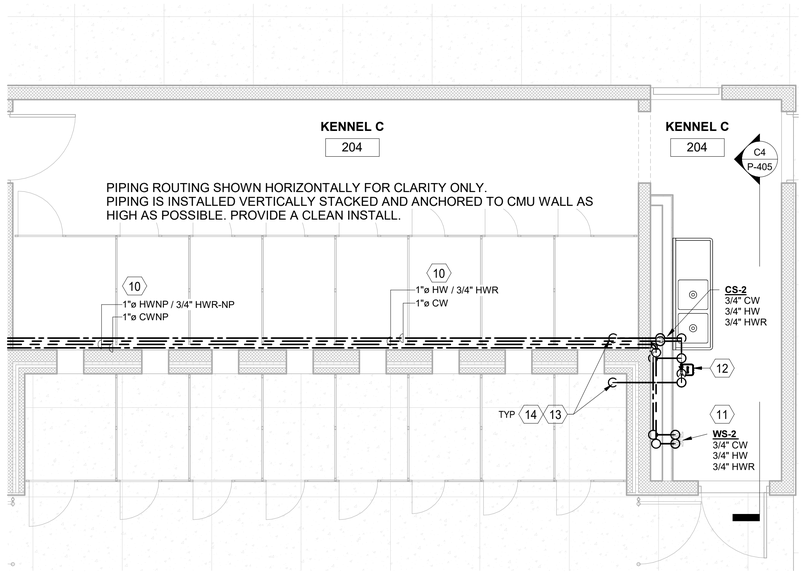
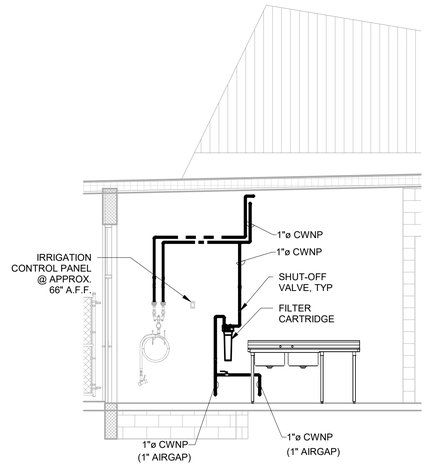


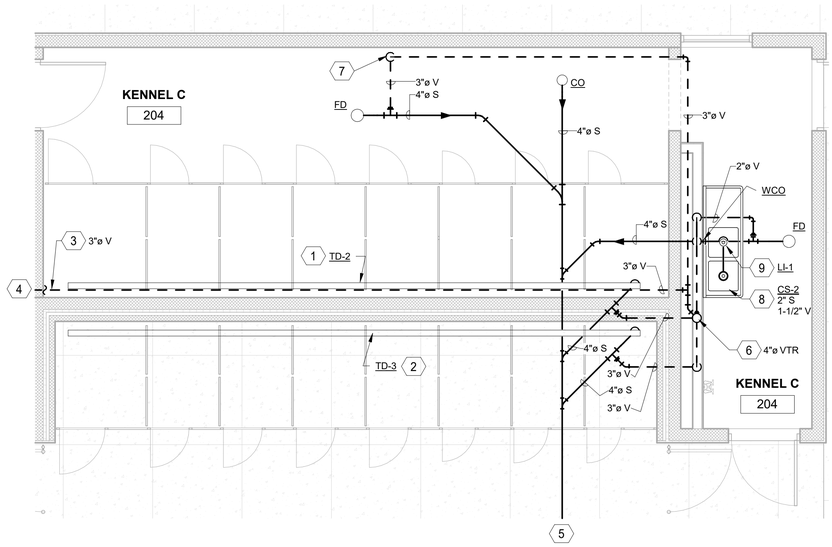
C1 ENLARGED WATER & GAS PLAN - KENNEL C

1/4" = 1'-0"



C4 KENNEL C - FILTER ASSEMBLY

1/4" = 1'-0"



A1 ENLARGED SEWER & VENT PLAN - KENNEL C

1/4" = 1'-0"

KEYED NOTES (X)

1. TD-2, 34'-4" LONG CONTINUOUS SLOPED TRENCH DRAIN. ENSURE FINISH CONCRETE FLOOR IS SLOPED TOWARDS TRENCH DRAIN. REFER TO SHEET P-601, PLUMBING FIXTURE SCHEDULE.
2. TD-3, 33'-0" LONG CONTINUOUS SLOPED TRENCH DRAIN. ENSURE FINISH CONCRETE FLOOR IS SLOPED TOWARDS TRENCH DRAIN. REFER TO SHEET P-601, PLUMBING FIXTURE SCHEDULE.
3. ROUTE VENT PIPING AND ANCHOR / SECURE TO CMU WALL AT 8'-0" O.C. WITH UNISTRUT. COORDINATE PIPING ELEVATION WITH OTHER DISCIPLINES. PROVIDE LABELING AND DIRECTIONAL FLOW, TYPICAL.
4. SEE SHEET P-102 FOR ADDITIONAL INFORMATION.
5. REFER TO CIVIL SITE UTILITIES PLAN FOR COORDINATION.
6. VTR, VENT THRU ROOF. ROUTING IS DIAGRAMMATIC. OFFSET AS NECESSARY TO AVOID STRUCTURAL AND OTHER DISCIPLINES.
7. 3" VENT RISES UP FROM SLAB AND ROUTES ALONG WALL AS SHOWN ON PLAN. ROUTE AS HIGH AS POSSIBLE AND COORDINATE WITH ARCHITECTURAL AND OTHER DISCIPLINES TO AVOID CONFLICT. ANCHOR WITH UNISTRUT EVERY 8'-0" O.C.
8. CS-2, DOUBLE COMPARTMENT STAINLESS STEEL UTILITY SINK WITH LEFT-SIDE DRAINBOARD.
9. INSTALL LI-1, SIDEKICK HAIR/LINT /SOLIDS INTERCEPTOR. REFER TO EQUIPMENT SCHEDULE AND MFG's RECOMMENDED INSTALLATION.
10. ROUTE WATER SUPPLY PIPES ALONG WALL, STACKED AND AS HIGH AS POSSIBLE. ANCHOR PIPES 8'-0" O.C. AND PROVIDE LABELING AND DIRECTIONAL FLOW, TYPICAL.
11. PROVIDE SIGN AND LABEL PIPING AS 'NON-POTABLE WATER'. COORDINATE WITH ARCHITECTURAL DRAWINGS.
12. EXTEND 1" NPW, NON-POTABLE WATER TO WASHDOWN ASSEMBLY FOR TRENCH DRAIN. SEE ELEVATION C4/P-405, AND A3 & C3/P-403 FOR REFERENCE. REFER TO DETAIL D1/P-501 FOR ADDITIONAL INFORMATION ON IRRIGATION CONTROL PANEL, FILTER CARTRIDGE, ELECTRICAL AND ZONING. WASHDOWN ASSEMBLY TYPICAL OF (3) TO KENNEL A, B, AND C.
13. EXTEND 1" NPW (Cu / SLEEVED) THROUGH WALL. NPW ELBOWS DOWN TO TRENCH DRAIN WITH 1" AIRGAP.FROM TRENCH DRAIN GRATE.
14. COORDINATE WITH ARCHITECT FINISH DETAILS TO CONCEAL NPW PIPING FROM CANINE TAMPERING OR DAMAGE, TYPICAL.

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ROBERT A. QUINTANA II
NEW MEXICO
16647
9/24/25
LICENSED PROFESSIONAL ENGINEER

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

Owner

PROJECT NO.:	-
DRAWN BY:	NM
REVIEWED BY:	RAQ
APPROVED BY:	RAQ

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MARK	DATE	DESCRIPTION
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ENLARGED PLUMBING PLAN KENNEL C

P-405

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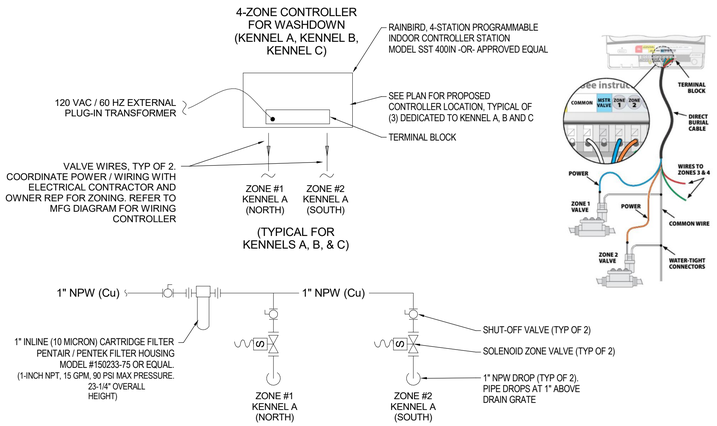

D1 WASHDOWN DETAIL WITH IRRIGATION CONTROLLER (KENNEL)
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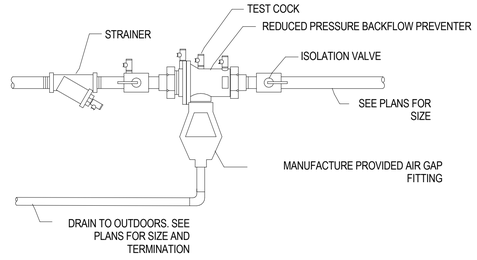

D3 RPBFP - AIR GAP DETAIL
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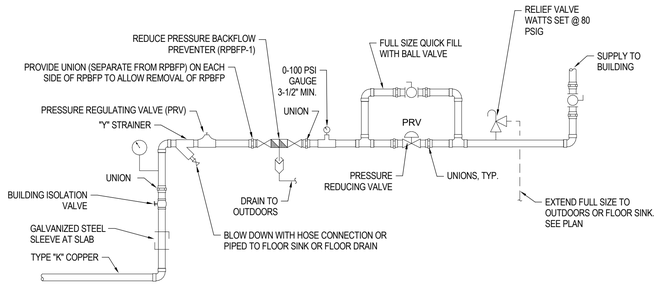

D4 WATER SERVICE ENTRANCE DETAIL
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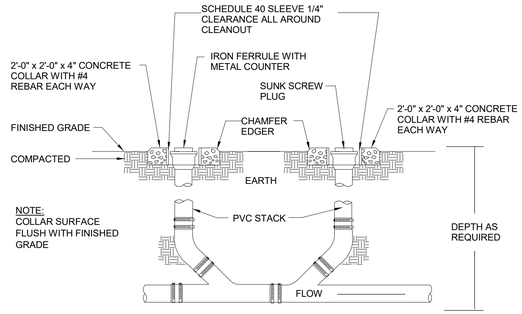
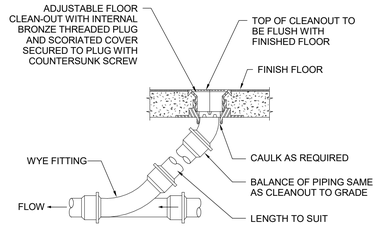


B1 DCO, DOUBLE CLEANOUT DETAIL
NO SCALE



B3 FCO OR CO, FLOOR CLEANOUT DETAIL
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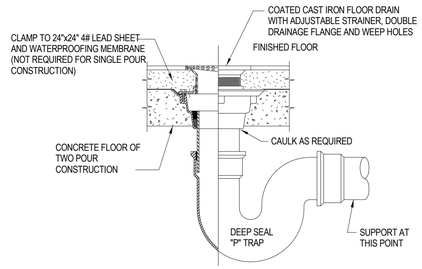
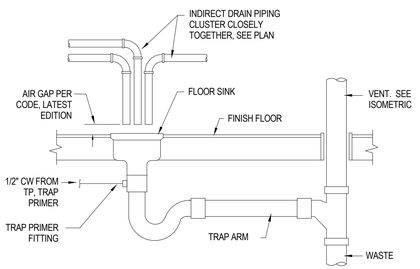
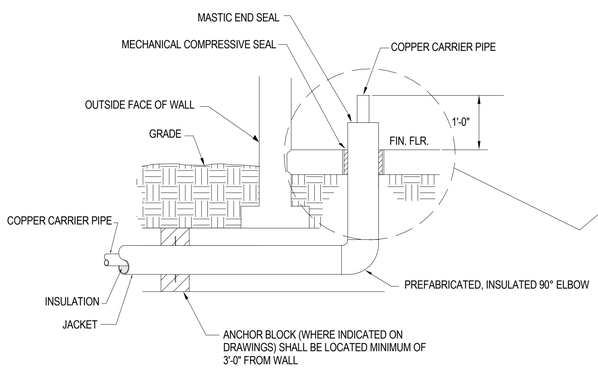


B4 FD, FLOOR DRAIN DETAIL
NO SCALE

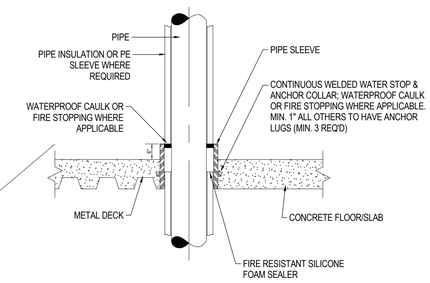


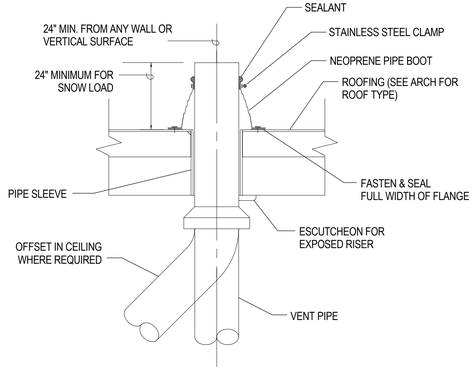
B5 FS, FLOOR SINK DETAIL
NO SCALE



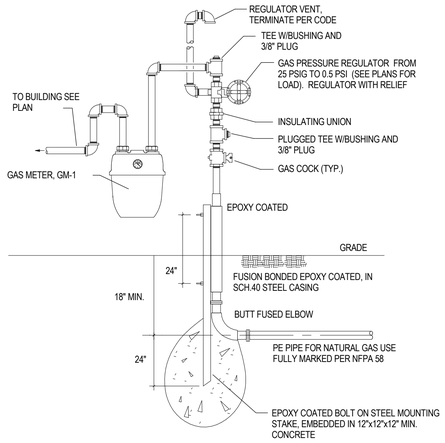
NOTE: USE 2" PREINSULATED COPPER PIPING AND FITTINGS, UPONOR ECOFLEX OR EQUAL

A1 FLOOR OR DECK PENETRATION DETAIL, TYPICAL
NO SCALE





A4 VTR, VENT THRU ROOF DETAIL
NO SCALE



A5 GAS METER & REGULATOR DETAIL
NO SCALE

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ROBERT A. QUINTANA II
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16647
9/24/25
REGISTERED
LICENSED PROFESSIONAL ENGINEER

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

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PLUMBING DETAILS

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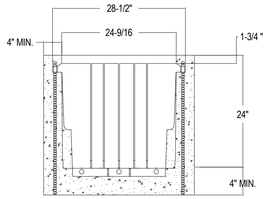
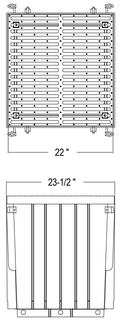
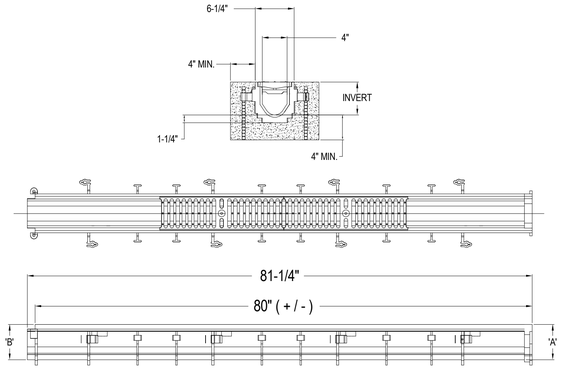


SPECIFYING ENGINEER IS RESPONSIBLE FOR CONCRETE ENCASEMENT AND REINFORCING BASED UPON APPLICATION AND LOCAL CODES

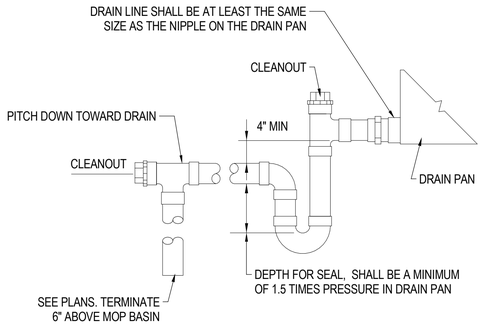


NOTE: + Actual Channel length is 20 3/4

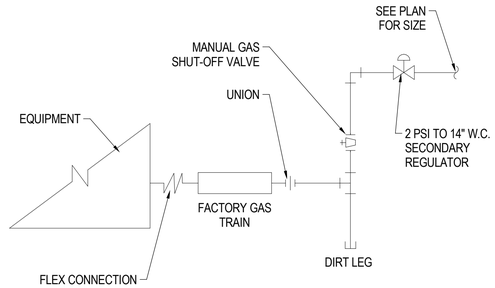


NOTE: + ACTUAL CHANNEL LENGTH IS APPROXIMATELY 81 $\frac{1}{4}$ TO ALLOW FOR OVERLAP. NUMBER OF SECTIONS AND LENGTH SHALL BE ADJUSTED TO MATCH OVERALL IN LENGTH NEEDED. SUBMIT SHOP DRAWING AND FLOOR PLAN LAYOUT FOR APPROVAL.

D1 TD, TRENCH DRAIN DETAIL
NO SCALE

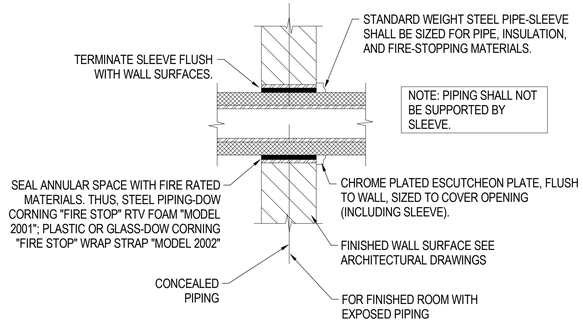


B1 CONDENSATE DRAIN DETAIL
NO SCALE

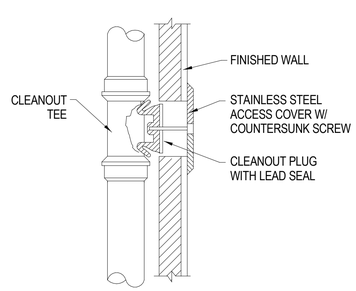


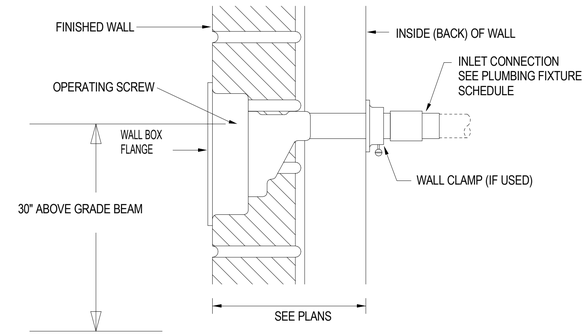
B2 GAS CONNECTION DETAIL
NO SCALE

D3 PIPE SLEEVE THROUGH WALL DETAIL
NO SCALE

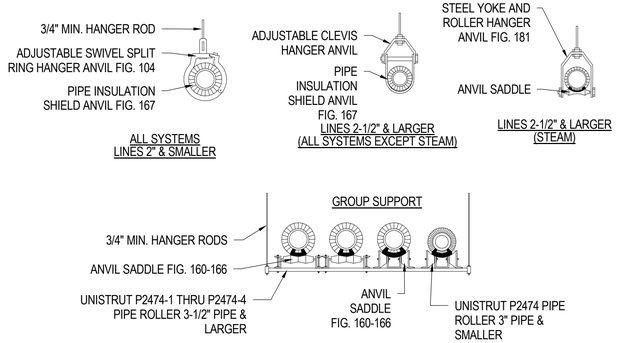


B3 WCO, WALL CLEANOUT DETAIL
NO SCALE



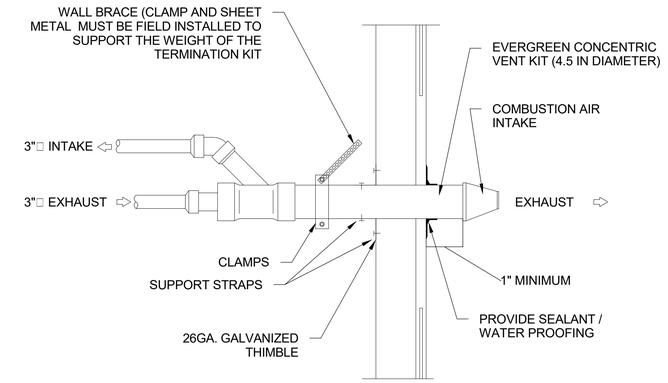


B5 HB-2, WALL HYDRANT (FREEZE-PROOF)
NO SCALE

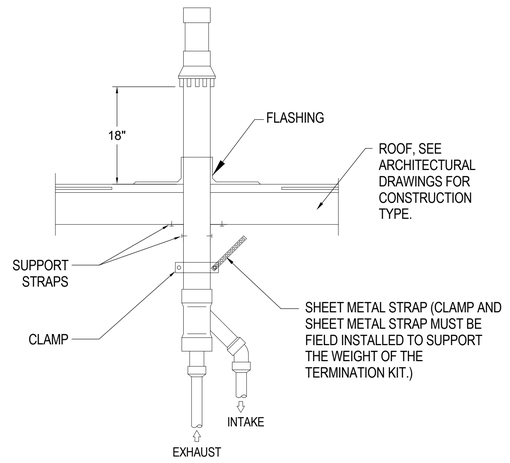


HANGERS AND SUPPORTS PER UPC-313.0 AND TABLE 313.3

A1 PIPE SUPPORT DETAILS
NO SCALE



A3 CONCENTRIC TERMINATION SIDE-DISCHARGE
NO SCALE



A5 CONCENTRIC ROOF TERMINATION DETAIL
NO SCALE

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ROBERT A. QUINTANA II NEW MEXICO 16647 LICENSED PROFESSIONAL ENGINEER 9/24/25

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

Owner

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REVIEWED BY:	RAQ
APPROVED BY:	RAQ

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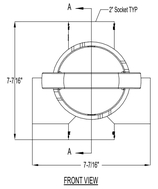
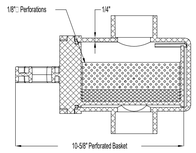


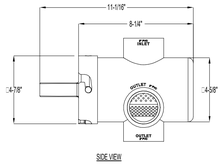
FRONT VIEW



SECTION A-A

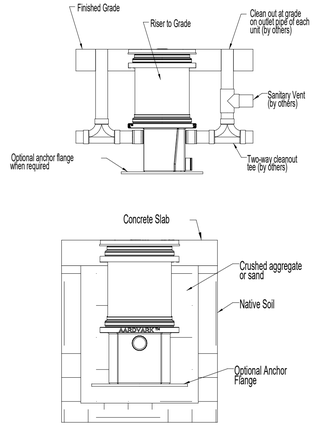
SPECIFICATIONS

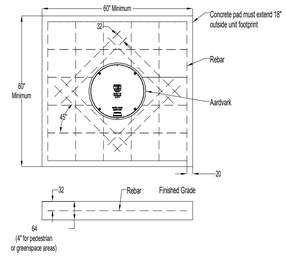
1. 1-1/2" or 2" PVC socket inlet and outlet connections (adapters included).
2. Under-sink solids interceptor.
3. PVC housing, polycarbonate perforated basket with o-ring to provide water-tight seal.
4. Top inlet and three outlet options (plugs included for unused outlets).
5. Max flow rate: 23 GPM.
6. Solids capacity: 0.17 gallons.
7. Unit weight: 3.2 lbs.
8. Maximum operating temperature: 140°F continuous.
9. For gravity drainage applications only.



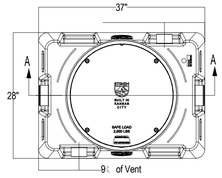
SIDE VIEW

D1 L1, STRIEM SIDEKICK - LINT INTERCEPTOR
NO SCALE

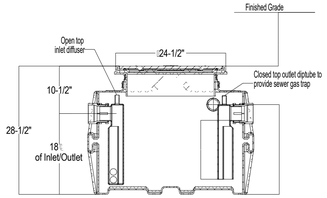




D2 SI-1, SOLIDS (HAIR/LINT) INTERCEPTOR STRIEM, AARDVARK AA-4
NO SCALE

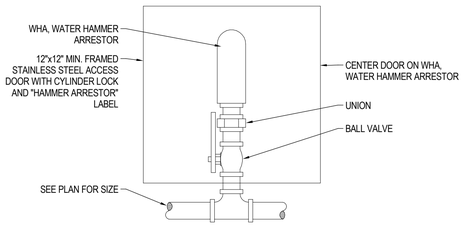


TOP VIEW

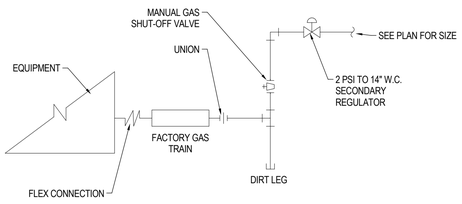


SECTION A-A

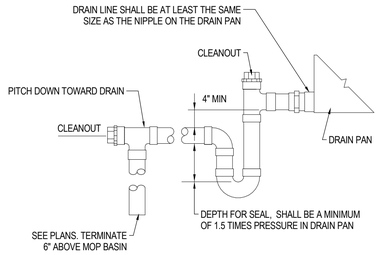
D3 SOI, SAND OIL INTERCEPTER STRIEM OS-50 (57-GAL LIQ.)
NO SCALE



D5 WHA, WATER HAMMER ARRESTOR
NO SCALE



B1 GAS CONNECTION DETAIL
NO SCALE



B2 CONDENSATE DRAIN DETAIL
NO SCALE

SPECIFICATIONS

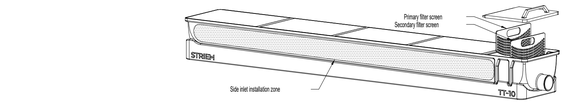
1. 4" Plain End outlet.
2. 1/8" per foot built-in slope.
3. Liquid Capacity: 65 Gallons.
4. Unit Weight: 135 lbs.
5. Maximum operating temperature 165°F intermittent.

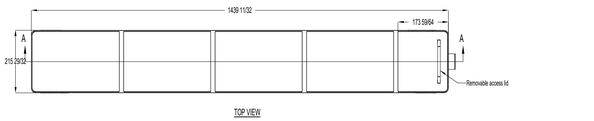
NOTES

1. All inlet connections are field installed.
2. Filter screens equipped with 1/2"□ perforations.

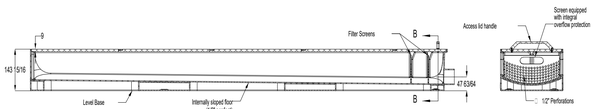
ENGINEER SPECIFICATION GUIDE

Striem Tuff Trough model TT-10 shall be lifetime guaranteed and made in the USA. Trough shall be constructed of polyethylene with 1/4" nominal wall thickness. Trough shall have removable, corrosion-resistant primary filter screen and secondary filter screen. Trough shall be furnished with a nested cover, internally sloped floor, and suitable for above- or below-grade installation. Trough shall be equipped with a plain end molded-in outlet. Inlet connections are field installed. Maximum operating temperature 165°F intermittent. Trough shall be certified to IAPMO/ANSI/CAN Z1167 and carry a UPC listing.





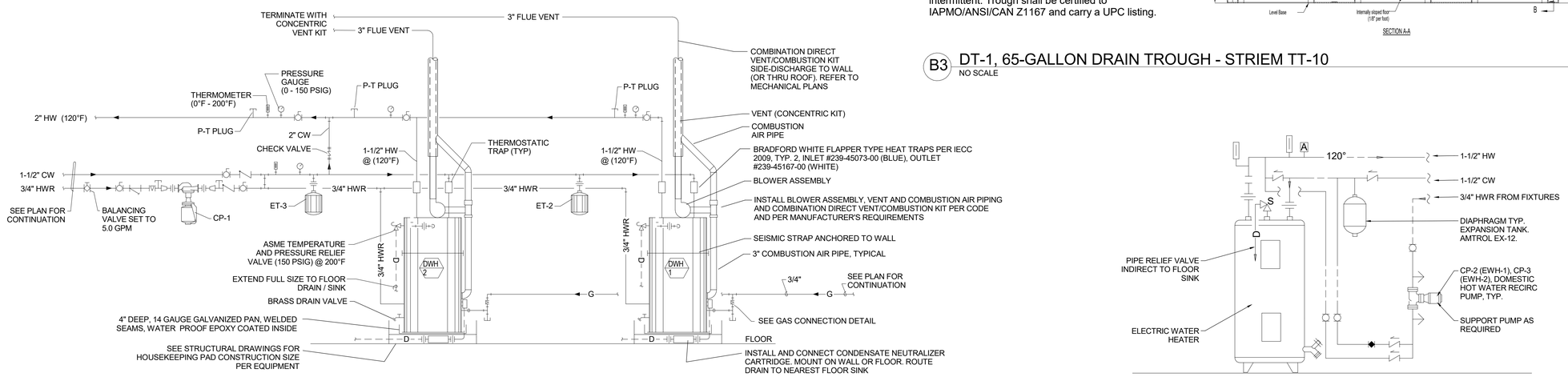
TOP VIEW



SECTION A-A

SECTION B-B

B3 DT-1, 65-GALLON DRAIN TROUGH - STRIEM TT-10
NO SCALE



PROVIDE WATER HEATER WITH TEMPERATURE ADJUSTMENT TO 180° F MAX FOR THERMAL ERADICATION. SET FOR 140°F NORMALLY.

A1 NATURAL GAS WATER HEATER HEATER, TYPICAL
NO SCALE

A4 EWH-1, EWH-2, ELECTRIC WATER HEATER PIPING DIAGRAM (TYPICAL)
NO SCALE

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ROBERT A. QUINTANA II — NEW MEXICO — 16647 — 9/24/25 — LICENSED PROFESSIONAL ENGINEER

SANDOVAL COUNTY • STATE OF NEW MEXICO — SEAL OF THE STATE OF NEW MEXICO • GREAT SEAL • 1912

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

Owner

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REVIEWED BY:	RAQ
APPROVED BY:	RAQ

ISSUE DRAWING LOG:

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PLUMBING DETAILS

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FIXTURE CONNECTIONS (TYPICAL)

SYMBOL	DESCRIPTION	MINIMUM CONNECTION SIZE			
		CW	HW	WASTE	VENT
WCH	WATER CLOSET	1-1/4"	-	3"	2"
UR1	URINAL	1"	-	2"	2"
LAV1	LAVATORY	1/2"	1/2"	1-1/2"	1-1/2"
HS-1, HS-2	HAND SINKS	1/2"	1/2"	1-1/2"	1-1/2"
CS-1	SINGLE COMPARTMENT SINK	3/4"	3/4"	2"	1-1/2"
CS-2	DBL COMPARTMENT SINK	3/4"	3/4"	2"	1-1/2"
UT-1	UTILITY SINK	3/4"	3/4"	2"	1-1/2"
TD-1, TD-2, TD-3	TRENCH DRAIN	-	-	4"	3"
EWC1, EWC2	ELECTRIC WATER COOLER	1/2"	-	2"	1-1/2"
MS-1	MOP SINK	3/4"	3/4"	3"	2"
HB-1, HB-2	WALL HYDRANT	1"	-	-	-
FD	FLOOR DRAIN	-	-	3"	2"
FS	FLOOR SINK	-	-	3	2"

PLUMBING FIXTURE SCHEDULE

SYMBOL		DESCRIPTION
WM	WATER METER	
	MFG & MODEL	BADGER RECORDALL DISC METERS, MODEL # 170 (2" TAP / 3" SERVICE). FLOW RATE 170 GPM; AWWA C-700
	REMARKS	LEAD-FREE ALLOY METER HOUSING, CAST-IRON / LEAD-FREE HOUSING BOTTOM PLATES AND ENGINEERED POLYMER MEASURING CHAMBER, DISC AND STRAINER. PERMANENTLY SEALED MAGNETIC DRIVE REGISTER.
GM	GAS METER	
	MFG & MODEL	ELSTER AMERICAN, MODEL NO. AL-2300 (DIAPHRAGM TYPE): PER NM GAS COMPANY LARGE METER REQUEST APPLICATION AT 10 PSIG
	CAPACITY SCFH @ 2-IN W.C.	FINAL SIZE TO BE VERIFIED BY NEW MEXICO GAS COMPANY
	REGULATOR	ITRON, B-34R (OR APPROVED EQUAL)
	REMARKS	CONTRACTOR SHALL PROVIDE AND INSTALL ELSTER ENERGY AXIS GAS MODULE FLOW INDICATION WITH PULSE INITIATOR. ELSTER GAS MODULE WILL BE WIRELESS TYPE FLOW INDICATOR COMPATIBLE WITH NEW METER (MODEL XXX). DDC OUTPUT REQUIRED.
RPBFP-1	REDUCED PRESSURE BACK FLOW PREVENTER	
	MFG & MODEL	3" ZURN WILKINS MODEL 375 REDUCED PRESSURE ZONE ASSEMBLY
	ACCESSORIES	BRONZE, LEAD-FREE BACKFLOW PREVENTER IS A REDUCED PRESSURE ZONE CHECK VALVE ASSEMBLY. PROVIDE WATTS 909AGF AIR GAP DRAIN FITTING
	REMARKS	BRONZE, LEAD-FREE BACKFLOW PREVENTER IS A REDUCED PRESSURE ZONE CHECK VALVE ASSEMBLY. PROVIDE WATTS 909AGF AIR GAP DRAIN FITTING
RPBFP-2	REDUCED PRESSURE BACK FLOW PREVENTER	
	MFG & MODEL	3/4" WATTS LF009-QT SERIES LEAD FREE REDUCED PRESSURE ZONE ASSEMBLY
PRV-1 PRV-2	PRESSURE REDUCING VALVE	
	MFG & MODEL	WILKINS 500
	REMARKS	SET AT 60 PSIG; 3" INLET
BFP-1 BFP-2	BACK FLOW PREVENTER	
	MFG & MODEL	1-1/2"-INCH WATTS LF009-QT SERIES LEAD FREE REDUCED PRESSURE ZONE ASSEMBLY
PRV-3 PRV-4	PRESSURE REDUCING VALVE	
	MFG & MODEL	WILKINS 500
	REMARKS	SET AT 60 PSIG; 1-1/2" INLET, 61 GPM AT 7 PSIG
DWH-1 DWH-2	WATER HEATER	100-GALLON GAS-FIRED, 199,900 BTU/HR INPUT; CONDENSING-TYPE
	MFG & MODEL	RHEEM TRITON SEALED COMBUSTION SYSTEM MODEL NO. GHE100SU-200(A) - OR APPROVED EQUAL
	REMARKS	CONDENSING-TYPE PERMAGLAS ULTRA COAT GLASS LINED TANK, MAGNESIUM ANODE ROD, DRAIN VALVE, BAKED ENAMEL FINISH, FOAM INSULATION BETWEEN TANK AND SHELL. WH WITH SELF-POWERED DIAGNOSTIC GAS CONTROL VALVE. UNIT COMPLETE WITH ASME TEMPERATURE AND PRESSURE RELIEF VALVE. SET TEMPERATURE AT 140°F.
		PROVIDE WATER HEATER WITH TEMPERATURE ADJUSTMENT TO 180° F MAX FOR THERMAL ERADICATION.
	CONNECTIONS	1-1/2" NPT INLET & OUTLET; 3/4" GAS NPT
		3" PVC INTAKE AIR; 3" PVC VENT
	GAS PRESSURE REQUIREMENTS	0" W.C. MANIFOLD | 3.5" W.C. MIN SUPPLY | 14" W.C. MAX SUPPLY
	HEATING CAPACITY	INPUT 199,900 BTU/HR; 97% THERMAL EFFICIENCY
	RECOVERY CAPACITY	259 GPH @ 90°F RISE
	ACCESSORIES	CONCENTRIC VENT KIT COMPATIBLE TO UNIT(S)
		CONDENSATE NEUTRALIZATION KIT COMPATIBLE TO UNIT(S)
	DIMENSIONS & WEIGHT	77" T X 26" W; 775 LBS
ET-2,ET-3, ET-4, ET-5	EXPANSION TANK	MECHANICAL ROOM 115 (MAIN BUILDING)
	MFG & MODEL	RHEEM MODEL RRT-12 (OR APPROVED EQUAL)
	REMARKS	TOTAL VOLUME 4.4 GALLONS, MAXIMUM ACCEPTANCE 3.2 GALLONS, 3/4" NPT SYSTEM CONNECTION. MAXIMUM OPERATING TEMPERATURE 200°F. 150 PSIG MAXIMUM WORKING PRESSURE, 55 PSIG FACTORY PRE-CHARGED AND FIELD ADJUSTABLE.
CP1, CP2, CP3	CIRCULATING PUMP	(120° F WATER)
	TYPE	DOMESTIC HOT WATER CIRCULATORS, IN-LINE PUMP, 5-GPM, 7.5 FOOT HEAD PRESSURE
	MFG & MODEL	TACO MODEL NO. 005-SF2-PNP CARTRIDGE (OR APPROVED EQUAL)
	POWER REQUIREMENTS	115V, 1-PHASE, 0.54 A, 1/40 HP
	REMARKS	MOUNT PUMP IN MIXING VALVE ASSEMBLY ON WALL. BRONZE CIRCULATOR, 3/4" FLANGED CONNECTION. MOUNT PUMP ON WALL WITH UNISTRUT BRACE; PUMP 17-LBS. PROVIDE WITH T-STAT FOR CONTROL.
EWH-1, EWH-2	WATER HEATER	55-GALLON ELECTRIC WATER HEATER
	MFG & MODEL	RHEEM PROFESSIONAL CLASSIC MODEL NO. PROE55 T2 RH94 - OR APPROVED EQUAL
	REMARKS	RHEEMGLAS TANK LINING, EVERKLEEN HELIX DIFFUSER TO REDUCE SEDIMENT, 0.90 - 0.93 UEF EFFICIENCY. SET TEMPERATURE AT 140°F.
	ELECTRICAL	EWH ARE FURNISHED WITH STANDARD 240V AC, SINGLE PHASE, NON-SIMULTANEOUS WIRING; 4500 WATT UPPER AND LOWER HEATING ELEMENTS
	CONNECTIONS	3/4" NPT INLET & OUTLET

PLUMBING FIXTURE SCHEDULE

SYMBOL		DESCRIPTION
MS-1	MOP SINK	
	MFG & MODEL	FIAT MODEL NO. TSB100 12" HIGH OUTSIDE CURB (OR APPROVED EQUAL)
	FAUCET	830-AA CHROME SERVICE FAUCET WITH VACUUM BREAKER, INTEGRAL STOPS
	ACCESSORIES	832-AA HOSE/HOOK, 889-CC HANGER AND CAST IRON P-TRAP, STAINLESS STEEL BUMPERGUARD #E-77-A, STAINLESS STEEL WALL GUARD #MSG3624
	CONNECTIONS	3/4" CW, 3/4" HW, 3" WASTE, 2" VENT
	REMARKS	24 X 24 X 12-INCH HIGH WALLS MOLDED STONE. PROVIDE CONCRETE ANCHORS, BOLTS AND WASHERS AS REQUIRED FOR A SECURE INSTALLATION. MOP SINK WITH STAINLESS STEEL STRAINER #1453BB.
HB-1	WALL HYDRANT	HOT AND COLD ENCASED NON-FREEZE WALL HYDRANT (INTERIOR APPLICATION)
	MFG & MODEL	MIFAB HY-4500-NPB (OR APPROVED EQUAL)
	CONNECTIONS	3/4" HW AND 3/4" CW
	REMARKS	A.S.S.E. 1019-B APPROVED ENCASED TYPE, SELF DRAINING, ANTI-SIPHON INTEGRAL VACUUM BREAKER WITH 3/4" MALE HOSE CONNECTION. HYDRANT ASSEMBLY COMPLETE WITH HOT AND COLD TEMPERATURE CONTROL SELECTION, ONE PIECE NEOPRENE PLUNGER TO CONTROL THE FLOW, HARDENED BRONZE OPERATING STEM, HEAVY DUTY BRASS CASING, HEAVY DUTY CHROME PLATED BRONZE HEAD CASTING, CHROME PLATED FACE. PLATE AND POLISHED NICKEL BRONZE BOX WITH HINGED LOCKING COVER. LOOSE TEE KEY TO BE FURNISHED WITH EACH HYDRANT. SIZE FOR APPROPRIATE WALL THICKNESS. INSTALL AT 30" A.F.F.
HB-2	WALL HYDRANT	EXTERIOR APPLICATION
	MFG & MODEL	MIFAB MHY-20-6 (OR APPROVED EQUAL)
	CONNECTIONS	3/4" CW
	REMARKS	A.S.S.E. 1019-B AND 1053 CERTIFIED EXPOSED TYPE, SELF DRAINING, NON FREEZE LOW LEAD WALL HYDRANT WITH ANTI-SIPHON AND VANDAL RESISTANT INTEGRAL VACUUM BREAKER. HYDRANT ASSEMBLY COMPLETE WITH QUARTER TURN CERAMIC CARTRIDGE ASSEMBLY TO CONTROL BOTH THE FLOW AND DRAIN FUNCTIONS, HARDENED BRONZE OPERATING STEM, DRAIN PORT UNDER THE HEXAGON NUT, COPPER CASING, 360 DEGREE SWIVEL INLET CONNECTION, HEAVY DUTY CHROME PLATED BRONZE HEAD CASTING, POLISHED STAINLESS STEEL FACE PLATE, AND SATIN FINISHED NICKEL BRONZE BOX WITH HINGED LOCKING COVER. OPERATING KEY TO BE FURNISHED WITH EACH HYDRANT. SIZE FOR APPROPRIATE WALL THICKNESS. INSTALL AT 30" A.F.F.
WS-1	WASH-DOWN STATION GARAGE ROOM 117	COLD WATER ONLY
	MFG & MODEL	T&S MV-1907-12CW (OR APPROVED EQUAL)
	CONNECTIONS	3/4" CW
	ACCESSORY	PROVIDE T&S B-0962 BACKFLOW PREVENTER - OR- WATTS 9D-M2-3/4" DUAL CHECK WITH ATMOSPHERIC VENT, BRONZE MODEL OR APPROVED EQUAL.
	REMARKS	CHROME PLATED WASH-DOWN STATION W/ 3/4" INLET, SINGLE SERVICE VALVE, THERMOMETER, 50-FT HOSE, STAINLESS STEEL WATER GUN AND HOSE RACK. INSTALL WATTS VACUUM BREAKER AFTER GLOBE VALVE.
WS-2	WASH-DOWN STATION KENNEL	HOT WATER AND COLD WATER WITH INTEGRAL CHECK VALVE
	MFG & MODEL	T&S MV-0771-12NW (OR APPROVED EQUAL)
	CONNECTIONS	3/4" HW, 3/4" CW
	REMARKS	WASH-DOWN STATION W/ 3/4" NPT FEMALE MIXING VALVE, THERMOMETER, 50-FT HOSE, STAINLESS STEEL WATER GUN AND HOSE RACK.
IMB	ICE MAKER WALL BOX	UNIT WITH WATER HAMMER ARRESTOR
	MFG & MODEL	OATEY #37705 MODA ICE MAKER, F1807 PEX (BRASS) - OR APPROVED EQUAL
	CONNECTIONS	1/2" CW
	REMARKS	CHROME PLATED BRASS 1/4 TURN LEAD-FREE BALL VALVE COMPLETE WITH INTEGRAL STAINLESS STEEL WATER HAMMER ARRESTOR. INSTALL 30" A.F.F.
WMB	WASHING MACHINE OUTLET BOX	UNIT WITH WATER HAMMER ARRESTOR
	MFG & MODEL	OATEY #38543
	CONNECTIONS	3/4 CW, 3/4" HW, 2" WASTE, 1-1/2" VENT
	REMARKS	OUTLET BOX IS OF HIGH IMPACT POLYSTYRENE. 1/4-TURN VALVES, 2-INCH CENTER DRAIN OPENING
AD	ACCESS DOOR	
	TYPE	14"x14" ACCESS DOOR AND FRAME FABRICATED FROM 14 GAGE GALVANNEALED STEEL WITH A PRIME COAT FINISH
	MFG & MODEL	JR SMITH, MODEL NO. 4778 SERIES (OR APPROVED EQUAL)
	REMARKS	DOOR TO HAVE CONTINUOUS PIANO HINGE
WHA	WATER HAMMER ARRESTOR	
	MFG & MODEL	JR SMITH, MODEL NO. 5005 (OR APPROVED EQUAL)
	SIZE	3/4", P.D.I. UNIT RATING: 1-11
	REMARKS	STAINLESS STEEL CONSTRUCTION, PRE-CHARGED, PERMANENTLY SEALED
BV	BALANCING VALVE	
	MFG & MODEL	BELL GOSSETT, CB-3/4S (OR APPROVED EQUAL)
	REMARKS	POSITIVE SHUTOFF, MEMORY SETTINGS CONNECT: SOLDERED

PLUMBING FIXTURE SCHEDULE

SYMBOL		DESCRIPTION
WCH	WATER CLOSET	
	TYPE	FLOOR-MOUNTED, BOTTOM OUTLET TOILET WITH SIPHON JET, ADA COMPLIANT
	MFG & MODEL	ZURN MODEL NO. Z5665-BWL-AM ECOVANTAGE FLUSH VALVE TOILET, HET ELONGATED, TOP SPUD ELONGATED BOWL; ZURNSHIELD CERAMIC GLAZE 1-1/2" TOP SPUD. WATER SENSE, ASME A119.2/CSA B45.1 AND HET APPROVED. COLOR - WHITE (OR APPROVED EQUAL).
	FLUSH VALVE	ZURN MODEL NO. ZEMS6000AV; SENSOR-OPERATED EXPOSED FLUSHOMETER, 1.28 GPF, DIAPHRAGM-TYPE, HARDWIRED FLUSHOMETER. FIXTURE PRESSURE 80-PSI (MAX STATIC). PLUMBING CONTRACTOR TO PROVIDE SENSOR TRANSFORMER, COORDINATE WITH ELECTRICAL.
	ACCESSORIES	ZURN MODEL #Z5955SS-EL, ELONGATED OPEN FRONT WHITE SEAT LESS WITH SDTAINLESS STEEL CHECK HINGE. COVER - COLOR WHITE.
	CONNECTIONS	1" CW, 3" WASTE, 2" VENT
	REMARKS	VITREOUS CHINA, SIPHON JET, 1-1/2" TOP SPUD, CHINA BOLT CAPS, ELONGATED BOWL, COLOR: WHITE,
LAV	LAVATORY	
	TYPE	WALL-HUNG SINK (WALL HANGER INCLUDED); SINGLE FAUCET HOLE
	MFG & MODEL	ZURN MODEL NO. Z5351, 19" X 17" LAVATORY. COLOR: WHITE VITREOUS CHINA (OR APPROVED EQUAL)
	FAUCET	ZURN AQUASENSE SENSOR FAUCET MODEL NO. ZG6913-CWB; HARDWIRED WITH BATTERY BACKUP, GEAR-DRIVE CERAMIC CARTRIDGE, 0.5 GPM, LAMINAR SPRAY, HIGH-TEMPERATURE LIMIT SETTING: 6-3/4" SPOUT REACH. PLUMBING CONTRACTOR TO PROVIDE SENSOR TRANSFORMER, COORDINATE WITH ELECTRICAL.
		PROVIDE TRANSFORMER AND MIXING VALVE. SEE SHEET ELECTRICAL.
	ACCESSORIES	Z8700 P-TRAP, Z8743-PC GRID DRAIN WITH OVERFLOW. Z8800 FLEXIBLE SUPPLIES, Z8946-1-NT ADA TRAP, STOP AND SUPPLY PROTECTORS.
	CONNECTIONS	1/2" CW, 1/2" HW, 1-1/2" WASTE, 1-1/2" VENT
	REMARKS	PROVIDE SINK AND FAUCET COMPLETE FOR A TOTAL OPERATIONAL SYSTEM.
HS-1	HAND SINK	
	MFG & MODEL	ELKAY MODEL NO. LRAD191855 (OR APPROVED EQUAL)
	TYPE	STAINLESS STEEL SINGLE COMPARTMENT DROP-IN SINK; SINGLE-HOLE FOR FAUCET
	FAUCET	ELKAY MODEL LKAV3032 SINGLE CONTROL FAUCET WITH PULL-DOWN SPRAY AND LEVER HANDLE. DECK MOUNTED; FLOW RATE OF 1.8 GPM. FAUCET HOLE SIZE 1-1/2" MIN. FULL SPOUT SWING ROTATION. CHROME FINISH.
	ACCESSORIES	LK-35 DRAIN, LK-53 CONTINUOUS WASTE CONNECTION, P-TRAP, ANGLE SUPPLY VALVES WITH STOP, FLEXIBLE RISERS, AND TRU-BRO PIPE COVERS
	CONNECTIONS	1/2" CW, 1/2" HW, 1-1/2" WASTE, 1-1/2" VENT
	REMARKS	18 GAUGE STAINLESS STEEL 19" X 18" X 5.5", SINGLE BOWL DUAL MOUNT ADA SINK KIT; POLISHED SATIN FINISH. PROVIDE ALL ACCESSORIES COMPLETE AS LISTED ABOVE TO INCLUDE GRID DRAIN.
HS-2	HAND SINK	
	MFG & MODEL	ELKAY STURDIBILT WCLWO1923OSDC (OR APPROVED EQUAL)
	TYPE	WALL-MOUNTED SINGLE-COMPARTMENT SS SINK W/ FAUCET, DRAIN AND OVERFLOW INCLUDED.
	FAUCET	(FAUCET INCLUDED) ELKAY LKD232SBH5C 8" CENTERSET CONCEALED DECK MOUNTED GOOSENECK SPOUT AND 4" LEVER HANDLES PLUS STOP CHROME. FLOW RATE OF 1.5 GPM. FAUCET HOLE SIZE 1-1/2" MIN. FULL SPOUT SWING ROTATION. CHROME FINISH.
	ACCESSORIES	LKAD174 DRAIN, LKF298 OVERFLOW ASSEMBLY, CONTINUOUS WASTE CONNECTION, P-TRAP, ANGLE SUPPLY VALVES WITH STOP, FLEXIBLE RISERS, AND TRU-BRO PIPE COVERS
	CONNECTIONS	1/2" CW, 1/2" HW, 1-1/2" WASTE, 1-1/2" VENT
	REMARKS	18 GAUGE STAINLESS STEEL 19" X 23" X 4", SINGLE BOWL DUAL MOUNT ADA SINK KIT; LUSTROUS SATIN FINISH, REAR CENTER DRAIN. PROVIDE ALL ACCESSORIES COMPLETE AS LISTED ABOVE TO INCLUDE GRID DRAIN.
EWC1 EWC2	ELECTRIC WATER COOLER	
	MFG & MODEL	ELKAY, LZS8WSSP WALL-MOUNTED (OR APPROVED EQUAL)
	TYPE	ENHANCED BOTTLE FILLER & SINGLE ADA COOLER, REFRIGERATED STAINLESS STEEL, HIGH CAPACITY, FILTERED WATER FOUNTAIN STATION. ELECTRONIC BOTTLE FILLER SENSOR WITH ELECTRONIC FRONT AND SIDE BUBBLER PUSHBAR ACTIVATION.
	CONNECTIONS	1/2" CW, 1-1/2" WASTE, 1-1/2" VENT
	ELECTRICAL REQUIREMENTS	115V/ 60HZ. INSTALLATION TO USE GFCI WITH DEDICATED CIRCUIT; LOAD PROTECTION 20AMPS; FLA 5A, RATED 370W
	ACCESSORIES	IN-WALL MOUNTING FRAME/CARRIER #MLP100; 51600C WATER SENTRY PLUS FILTER SYSTEM. PROVIDE TWO-REPLACEMENT FILTERS
	REMARKS	P-TRAP AND SERVICE STOPS. FLEXI-GUARD SAFETY BUBBLER. UNIT SHALL BE REFRIGERATED TYPE.
NOTE:	REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS, TYPICAL.	

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9/24/25
REGISTERED PROFESSIONAL ENGINEER

SANDOVAL COUNTY • STATE OF NEW MEXICO

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SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

Owner

PROJECT NO.:	-
DRAWN BY:	NM
REVIEWED BY:	RAQ
APPROVED BY:	RAQ

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
0	9/23/2025	100% CD SUBMITTAL

PLUMBING SCHEDULE

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FIXTURE CONNECTIONS (TYPICAL)

SYMBOL	DESCRIPTION	MINIMUM CONNECTION SIZE			
		CW	HW	WASTE	VENT
WCH	WATER CLOSET	1-1/4"	-	3"	2"
UR1	URINAL	1"	-	2"	2"
LAV1	LAVATORY	1/2"	1/2"	1-1/2"	1-1/2"
HS-1, HS-2	HAND SINKS	1/2"	1/2"	1-1/2"	1-1/2"
CS-1	SINGLE COMPARTMENT SINK	3/4"	3/4"	2"	1-1/2"
CS-2	DBL COMPARTMENT SINK	3/4"	3/4"	2"	1-1/2"
UT-1	UTILITY SINK	3/4"	3/4"	2"	1-1/2"
TD-1, TD-2, TD-3	TRENCH DRAIN	-	-	4"	3"
EWC1, EWC2	ELECTRIC WATER COOLER	1/2"	-	2"	1-1/2"
MS-1	MOP SINK	3/4"	3/4"	3"	2"
HB-1, HB-2	WALL HYDRANT	1"	-	-	-
FD	FLOOR DRAIN	-	-	3"	2"
FS	FLOOR SINK	-	-	3	2"

PLUMBING FIXTURE SCHEDULE

SYMBOL		DESCRIPTION
TD-1	LINEAR TRENCH DRAIN (GARAGE ROOM 117)	6-3/4 WIDE REVEAL TRENCH DRAIN SYSTEM WITH HEAVY-DUTY FRAME ASSEMBLY. MODULAR CHANNEL SECTIONS HAVE POSITIVE MECHANICAL CONNECTION BETWEEN CHANNEL SECTIONS.
	MFG & MODEL	ZURN Z886-HD TRENCH NO. 8602 (OR APPROVED EQUAL)
	CONNECTIONS	4" WASTE; 2" VENT
	ACCESSORIES	JR SMITH 2692, ELASTOMERIC TRAP SEAL. PROVIDE WITH STANDARD DRAIN; BEVELED CLAMP COLLAR AND HEAD ASSEMBLY.
	REMARKS	SYSTEM SHALL SLOPE SHALL HAVE 4" THROAT OPENING. TRENCH RATED OR 122 GPM. PROVIDE ADAPTERS AND CONNECTORS. GRATE SHALL BE DUCTILE IRON SLOTTED GRATE RATED CLASS 'C'. SECURE GRATE TO DRAIN BODY. *COORDINATE LENGTH OF DRAIN WITH GC AND PLUMBING PLAN.*
TD-2 (34'-0" LONG) TD-3 (32'-0" LONG)	LINEAR TRENCH DRAIN (KENNEL)	TRENCH WIDTH: 4" I.D. GRATE WIDTH: 5" WIDE SECTION LENGTH: 8' LONG DEPTH: VARIES FROM 2" TO 12" SLOPE: 0.5% TYPICAL (ANY OTHER SLOPE AS REQUIRED) TRENCH MATERIAL: 14GA T304 STAINLESS STEEL (T316 OPTIONAL) FRAME MATERIAL: INTEGRAL FORMED EDGE FRAME
	MFG & MODEL	DURA TRENCH DTSS4 (OR APPROVED EQUAL)
	GRATE	DURA TRENCH NO. 05C24TG 5-INCH PLASTIC GRATE. INTEGRAL UV COATING, BOLT AND TOGGLE LOCKING. (ENSURE CUT EDGES ARE PROPERLY TRIMMED AND SEALED)
	CONNECTIONS	BOTTOM OUTLET - 4" WASTE; 2" VENT
	ACCESSORIES	JR SMITH 2692, ELASTOMERIC TRAP SEAL. PROVIDE WITH STANDARD DRAIN; BEVELED CLAMP COLLAR AND HEAD ASSEMBLY.
	REMARKS	SYSTEM SHALL SLOPE SHALL HAVE 4" THROAT OPENING. TRENCH RATED FOR 1.5 CFS OR 700 GPM. PROVIDE ADAPTERS AND CONNECTORS. GRATE SHALL BE DUCTILE IRON SLOTTED GRATE RATED CLASS 'C'. SECURE GRATE TO DRAIN BODY. *COORDINATE LENGTH OF DRAIN WITH GC AND PLUMBING PLAN.*
DT-1	WASHER DRAIN TROUGH	10' L X 18" W X 12" T POLYETHYLENE TROUGH; 65 GALLON CAPACITY
	MFG & MODEL	STRIEM TT-10 (OR APPROVED EQUAL)
	REMARKS	4" PLAIN END OUTLET. REMOVABLE PRIMARY FILTER SCREEN AND SECONDARY FILTER BASKET. UNIT INSTALLED ABOVE GROUND
FS	FLOOR SINK	
	MFG & MODEL	JRS PRODUCTS SANI-CEPTOR ACID RESISTANT COATED FLOOR AND INDIRECT WASTE DRAINS (OR APPROVED EQUAL)
	SIZE	12"X12", 8" SUMP CAST IRON FLOOR SINK ASSEMBLY
	CONNECTIONS	3" OR 4" WASTE (REFER TO PLANS); 2" VENT
	ACCESSORIES	JR SMITH 2692, ELASTOMERIC TRAP SEAL
	REMARKS	HALF GRATE WITH 1/4" SQUARE OPENINGS, ANTI-SPLASH BOTTOM DOME STRAINER, ACID RESISTING PORCELAIN ENAMEL INTERIOR AND TOP
FD	FLOOR DRAIN	
	MFG & MODEL	ZURN Z415-BZ1 (OR APPROVED EQUAL)
	SIZE	6" CAST IRON 'TYPE-B' STRAINER
	CONNECTIONS	REFER TO PLANS
	ACCESSORIES	JR SMITH 2692, ELASTOMERIC TRAP SEAL
	REMARKS	SQUARE 6"x 6" INLET STRAINER
WCO	WALL CLEANOUT	
	MFG & MODEL	JAY R. SMITH, 4472 (OR APPROVED EQUAL)
	SIZE	SAME SIZE AS SEWER LINE SERVED BY CLEANOUT.
	REMARKS	DUCO CAST IRON CLEANOUT TEE AND COUNTERSUNK PLUG WITH STAINLESS STEEL ROUND COVER AND VANDAL PROOF SCREW.
FCO	FLOOR CLEANOUT	
	MFG & MODEL	JAY R. SMITH 4223 (OR APPROVED EQUAL)
	REMARKS	DUCO CAST IRON CLEANOUT WITH ROUND ADJUSTABLE SCORIATED SECURED NICKEL BRONZE TOP. GASKET SEAL - ABS PLUG, SPEEDI-SET OUTLET AND VANDAL PROOF TOP. SAME SIZE AS SEWER LINE SERVED BY CLEANOUT.
DCO	TYPE	DOUBLE CLEANOUT EXTERIOR
	MFG & MODEL	JAY R. SMITH, 4250S-U (OR APPROVED EQUAL)
	REMARKS	(2) DUCO CAST IRON CLEANOUT AND DOUBLE FLANGED HOUSING WITH HEAVY DUTY SECURED SCORIATED CAST IRON COVER WITH LIFTING DEVICE, NO-HUB OUTLET AND VANDAL PROOF TOP. SAME SIZE AS SEWER LINE SERVED BY CLEANOUT.
CO	TYPE	CLEANOUT
	MFG & MODEL	JAY R. SMITH, 4250S-U (OR APPROVED EQUAL)
	REMARKS	DUCO CAST IRON CLEANOUT AND DOUBLE FLANGED HOUSING WITH HEAVY DUTY SECURED SCORIATED CAST IRON COVER WITH LIFTING DEVICE, NO-HUB OUTLET AND VANDAL PROOF TOP. SAME SIZE AS SEWER LINE SERVED BY CLEANOUT.
NOTE:	REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS.	

PLUMBING SCHEDULE

SYMBOL		DESCRIPTION
CS-1	SINGLE-COMPARTMENT SINK	WITH DRAIN BOARD (RIGHT SIDE)
	TYPE	ELKAY WELDBILT WNSF8130R2
	FAUCET	ELKAY LK943AF12LC, WALL / BACKSPLASH MOUNTED. 8" CENTERSET WITH 44" FLEXIBLE HOSE WITH 1.2 GPM SPRAY HEAD; LEVER HANDLES. PROVIDE BACKING OR SUPPORT AS NECESSARY FOR A RIGID INSTALLATION.
	ACCESSORIES	LK-35 DRAIN, LK-53 CONTINUOUS WASTE CONNECTION, P-TRAP, ANGLE SUPPLY VALVES WITH STOP, FLEXIBLE RISERS, AND TRU-BRO PIPE COVERS
	CONNECTIONS	1/2" CW, 1/2" HW, 2" WASTE, 1-1/2" VENT
	REMARKS	55-1/5" X 27-1/2" X 44" 304 14-GA STAINLESS STEEL SINK; BOWL DIMENSION @ 30" X 24" X 14"; DRAIN BOARD SIZE 24"; BACKSPLASH HEIGHT 8"T. CENTER DRAIN LOCATION.
CS-2	DOUBLE-COMPARTMENT SINK MAIN	WITH DRAIN BOARD RIGHT SIDE; (GARBAGE DISPOSAL & DISHWASHER CONNECTION)
CS-3	DOUBLE-COMPARTMENT SINK KENNEL	WITH DRAIN BOARD LEFT SIDE
	TYPE	ELKAY WELDBILT WNSF82602R2 (RT); ELKAY WELDBILT WNSF82602L2 (LT);
	FAUCET	ELKAY LK943AF12LC, WALL / BACKSPLASH MOUNTED. 8" CENTERSET WITH 44" FLEXIBLE HOSE WITH 1.2 GPM SPRAY HEAD; LEVER HANDLES.
	CONNECTIONS	3/4" CW, 3/4 HW, 2" WASTE, 1-1/2" VENT
	ACCESSORIES	LK-35 DRAIN, LK-53 CONTINUOUS WASTE CONNECTION, P-TRAP, ANGLE SUPPLY VALVES WITH STOP, FLEXIBLE RISERS, AND TRU-BRO PIPE COVERS
	DS-1, GARBAGE DISPOSAL	IN-SINKERATOR BADGER 5, GARBAGE DISPOSER, 1/2 HP MOTOR, 120V/1PH, 6.3 AMPS
	REMARKS	55-1/5" X 27-1/2" X 44" 304 14-GA STAINLESS STEEL SINK; BOWL DIMENSION @ 30" X 24" X 14"; DRAIN BOARD SIZE 24"; BACKSPLASH HEIGHT 8"T. CENTER DRAIN LOCATION.
UT-1	UTILITY SINK	SINGLE COMPARTMENT SCULLERY / UTILITY SINK
	MFG & MODEL	ELKAY RIGIDBILT MODEL NO. RNSF81182, 304 STAINLESS STEEL, 16-GA (OR APPROVED EQUAL)
	FAUCET	ELKAY MODEL LK940LGN06T4H WALL-MOUNTED FAUCET WITH 8" CENTER; 8" GOOSENECK SPOUT AND 4" WRIST BLADE HANDLES. SERVICE FAUCET WITH 1/4-TURN CERAMIC DISC VALVE. 1.5 GPM FLOW RATE.
	CONNECTIONS	3/4" CW, 3/4" HW, 3" WASTE, 2" VENT
	REMARKS	FREE-STANDING UTILITY SINK, 27" X 29-3/4" X 12-3/4-INCH DEEP BOWL. HEAVY GAUGE TYPE '304' STAINLESS STEEL SINK WITH 16-GAUGE; STAINLESS STEEL LEGS WITH 1" ADJUSTABLE BULLET FEET.
UT-2	UTILITY 'GROOMING' TUB	
	MFG & MODEL	SHOR-LINE ELITE GROOMING TUB (OWNER PROVIDED)
	ACCESSORIES	SHOR-LINE PRODUCT LINE: WALL-MOUNT FAUCETS, STAINLESS STEEL HOSE, HAIR INTERCEPTOR, AND SINK DRAIN KIT
	CONNECTIONS	3/4" CW, 3/4" HW, 3" WASTE, 2" VENT
FSS	BLOW-OUT SERVICE SINK	
	TYPE	WALL-MOUNTED CERAMIC VITREOUS CHINA, 1-1/2" TOP-SPUD
	MFG & MODEL	ZURN MODEL NO. Z5410 ZURNSHIELD CERAMIC GLAZE; 21-1/5" X 19" BOWL WITH INTEGRAL FLUSHING RIM. COLOR - WHITE (OR APPROVED EQUAL).
	FLUSH VALVE	ZURN MODEL NO. Z6000AV-BWN EXPOSED DIAPHRAGM-TYP FLUSH VALVE WITH BEDPAN WASHER. VALVE HEIGHT AT 26-1/2". WATER SENSE AND ADA COMPLIANT. FLUSH VOLUME AT 1.1 GPF
	ACCESSORIES	ZURN MODEL #Z5955SS-EL, ELONGATED OPEN FRONT WHITE SEAT LESS WITH SDTAINLESS STEEL CHECK HINGE: COVER - COLOR WHITE.
	CONNECTIONS	1" CW, 3" WASTE, 2" VENT
	REMARKS	VITREOUS CHINA, SIPHON JET, 1-1/2" TOP SPUD, CHINA BOLT CAPS, ELONGATED BOWL. COLOR: WHITE,
LI-1	SOLIDS NTERCEPTOR	(HAIR, LINT, SOLIDS) PVC HOUSING WITH POLYCARBONATE PERFORATED BASKET
	MFG & MODEL	STRIEM SIDE-KICK SIDE ACCESS SOLIDS INTERCEPTOR
SI-1	SOLIDS NTERCEPTOR DOG-WASHING ROOM 119	BASKET-STYLE POLYETHYLENE SOLIDS INTERCEPTOR AT 75 GPM MAX FLOW RATE.
	MFG & MODEL	STRIEM AARDVARK, AA-4
	REMARKS	4" INLET AND OUTLET WITH LR24 RISER(UP TO 39"); REMOVABLE, CORROSION-RESISTANT FILTER BASKET. FILTER BASKET SOLIDS CAPACITY SHALL BE 7-GALLONS. UNIT COMES WITH C24-M STANDARD COVER.
SOI	SAND / OIL INTERCEPTOR	POLYETHYLENE HIGH EFFICIENCY
	MFG & MODEL	STRIEM OS-50 (57-LIQUID GAL CAPACITY, 14.25 OIL-GAL; 7-GAL SOLIDS)
	REMARKS	4" INLET AND OUTLET, 3" PLAIN END VENTS, SR24 RISER; C24-H HIGHWAY RATED BOLTED COMPOSITE COVER. MAXIMUM BURIAL DEPTH AT 39" FROM COVER HEIGHT.
SD-1, SD-2	SEDIMENT INTERCEPTOR	
	MFG & MODEL	MIFAB MODEL NO. MI-SD-2 (OR APPROVED EQUAL)
	SIZE	16" W X 20.75" L X 20" T ; 116-LBS
	CONNECTIONS	3" WASTE, 2" VENT, 1/2" CW, 1/2" HW
	FAUCET	CHICAGO 509-GVBL12XKCAB; 8" BODY, 8-3/4" CENTERS, 12" L-TYPE SWING SPOUT, INLINE VACUUM BREAKER WITH DUAL CHECK VALVE;2-3/8" LEVER HANDLE
	ACCESSORIES	JR SMITH 2692, ELASTOMERIC TRAP SEAL
	REMARKS	SANITARY EPOXY COATED (INTERIOR); 10-GA STEEL (EXTERIOR) SAND INTERCEPTOR, WITH POWDER COATED GRATE. UNIT COMPLETE WITH THREADED VENT CONNECTIONS, SOLID STRAINING BAFFLES, SS CALIBRATED ORIFICE PLATE, DEEP SEAL TRAP, INTERNAL AIR RELIEF BY-PASS, ETC.

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ROBERT A. QUINTANA II — NEW MEXICO — 16647 — 9/24/25 — LICENSED PROFESSIONAL ENGINEER

SANDOVAL COUNTY · STATE OF NEW MEXICO

SEAL OF THE STATE OF NEW MEXICO · GREAT · 1912 ·

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

Owner

PROJECT NO.:	-
DRAWN BY:	NM
REVIEWED BY:	RAQ
APPROVED BY:	RAQ

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
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PLUMBING SCHEDULE

P-602

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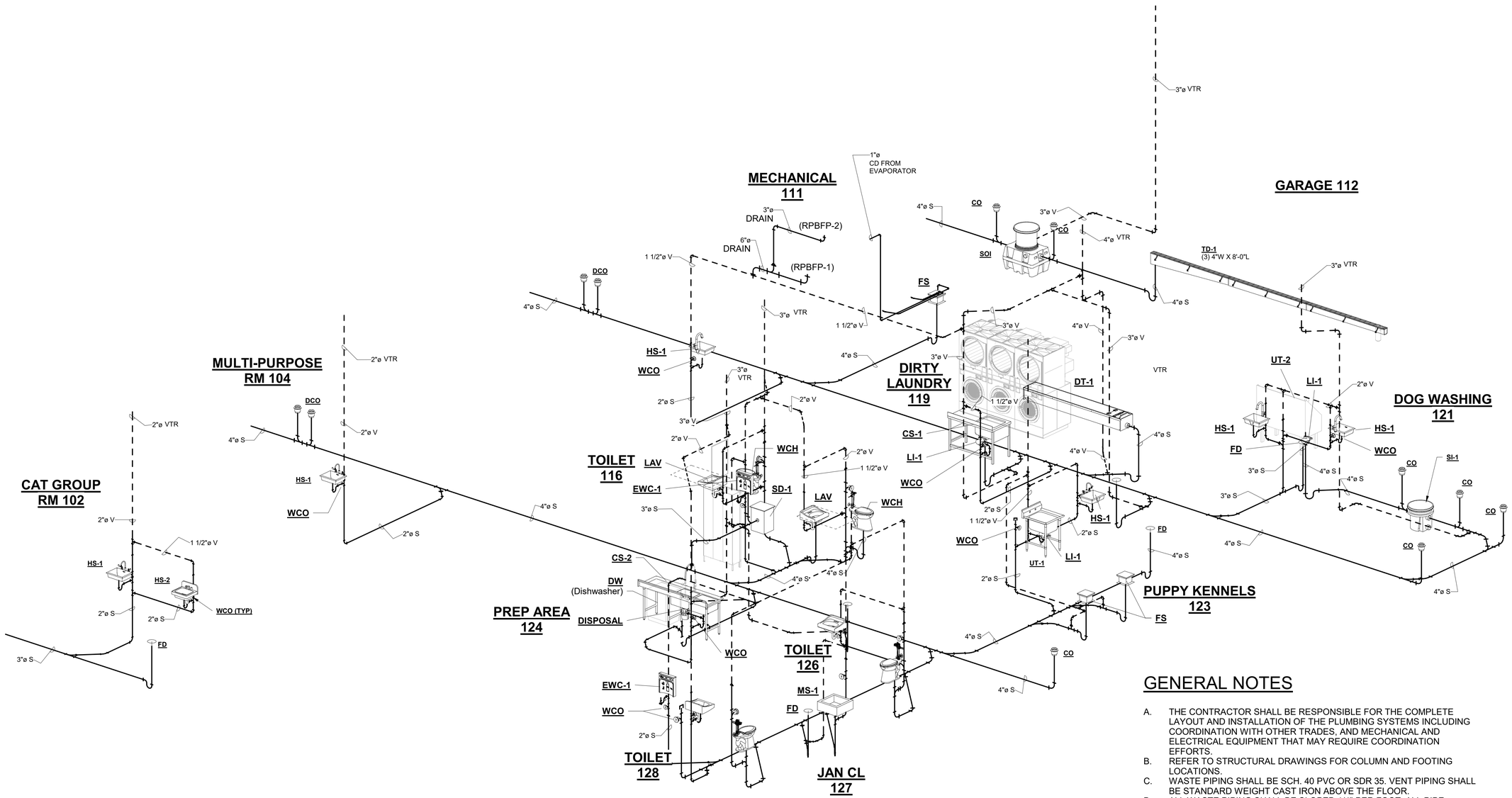

GENERAL NOTES

A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE LAYOUT AND INSTALLATION OF THE PLUMBING SYSTEMS INCLUDING COORDINATION WITH OTHER TRADES, AND MECHANICAL AND ELECTRICAL EQUIPMENT THAT MAY REQUIRE COORDINATION EFFORTS.
B. REFER TO STRUCTURAL DRAWINGS FOR COLUMN AND FOOTING LOCATIONS.
C. WASTE PIPING SHALL BE SCH. 40 PVC OR SDR 35. VENT PIPING SHALL BE STANDARD WEIGHT CAST IRON ABOVE THE FLOOR.
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F. PROVIDE WALL CLEANOUTS AT ALL SINKS, LAVATORIES, WATER COOLERS, WATER CLOSET, AND URINALS.

A1 SANITARY WASTE & VENT ISOMETRIC - MAIN

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PLUMBING ISOMETRIC VIEW

P-701

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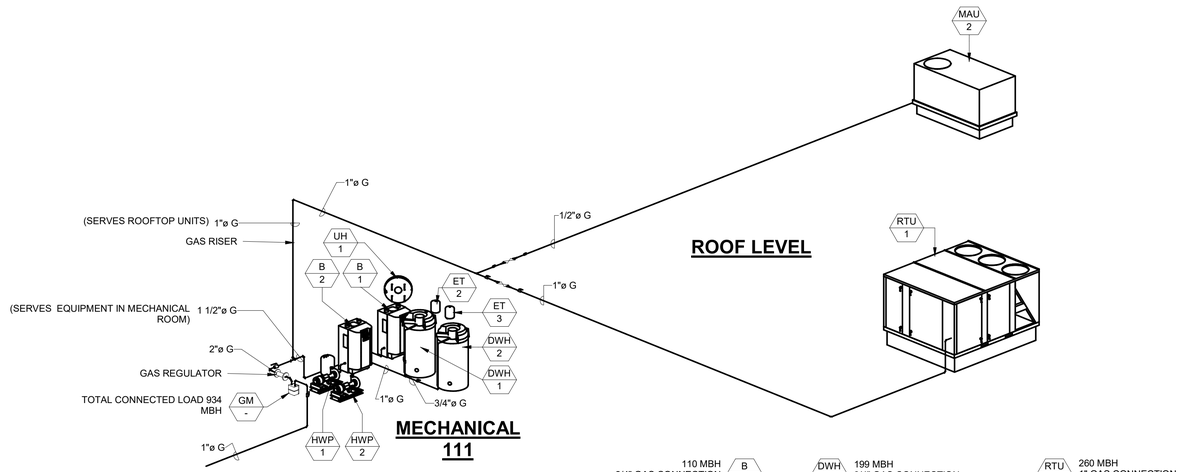
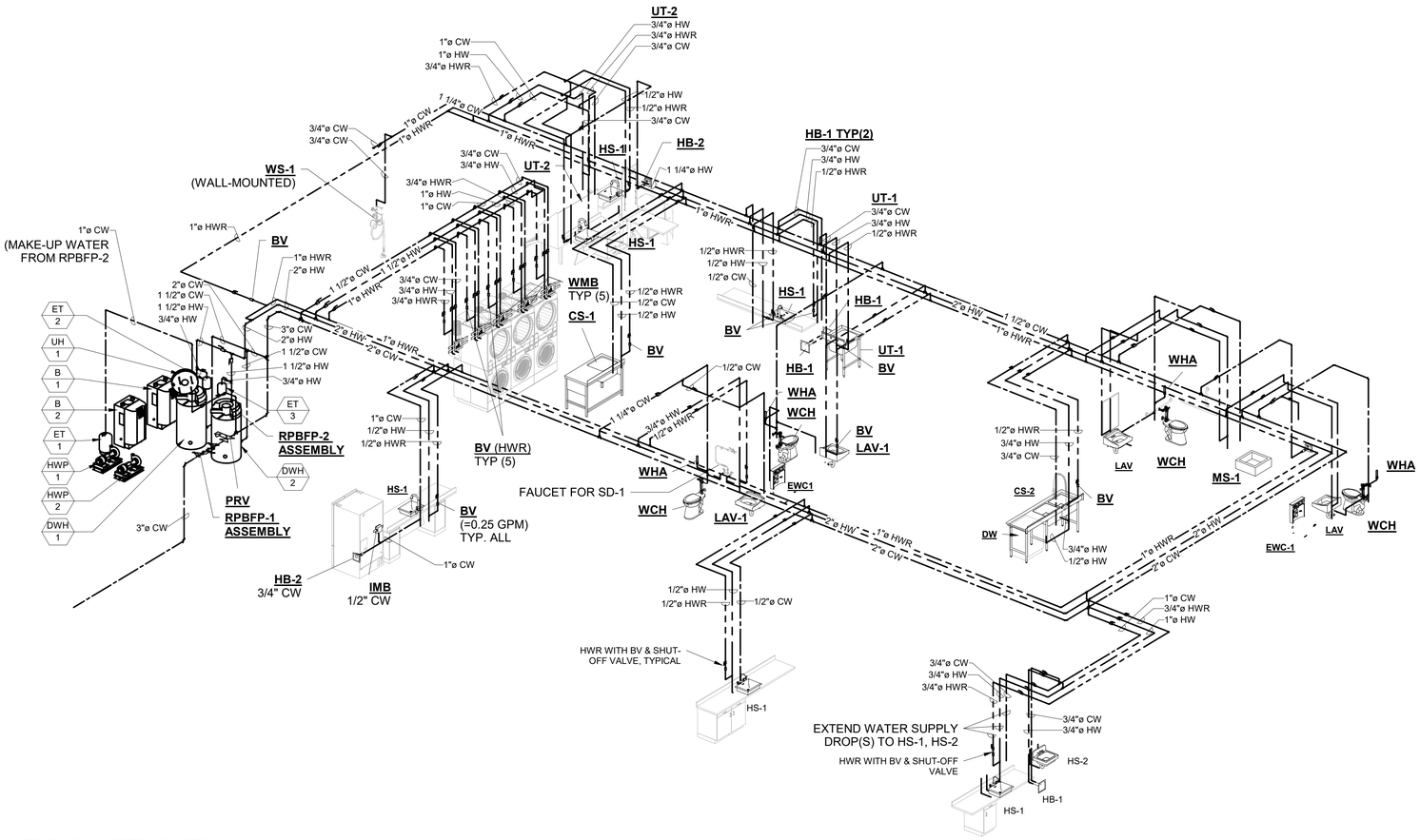


C2 GAS ISOMETRIC VIEW - MAIN



A1 WATER ISOMETRIC VIEW - MAIN

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PLUMBING ISOMETRIC VIEW

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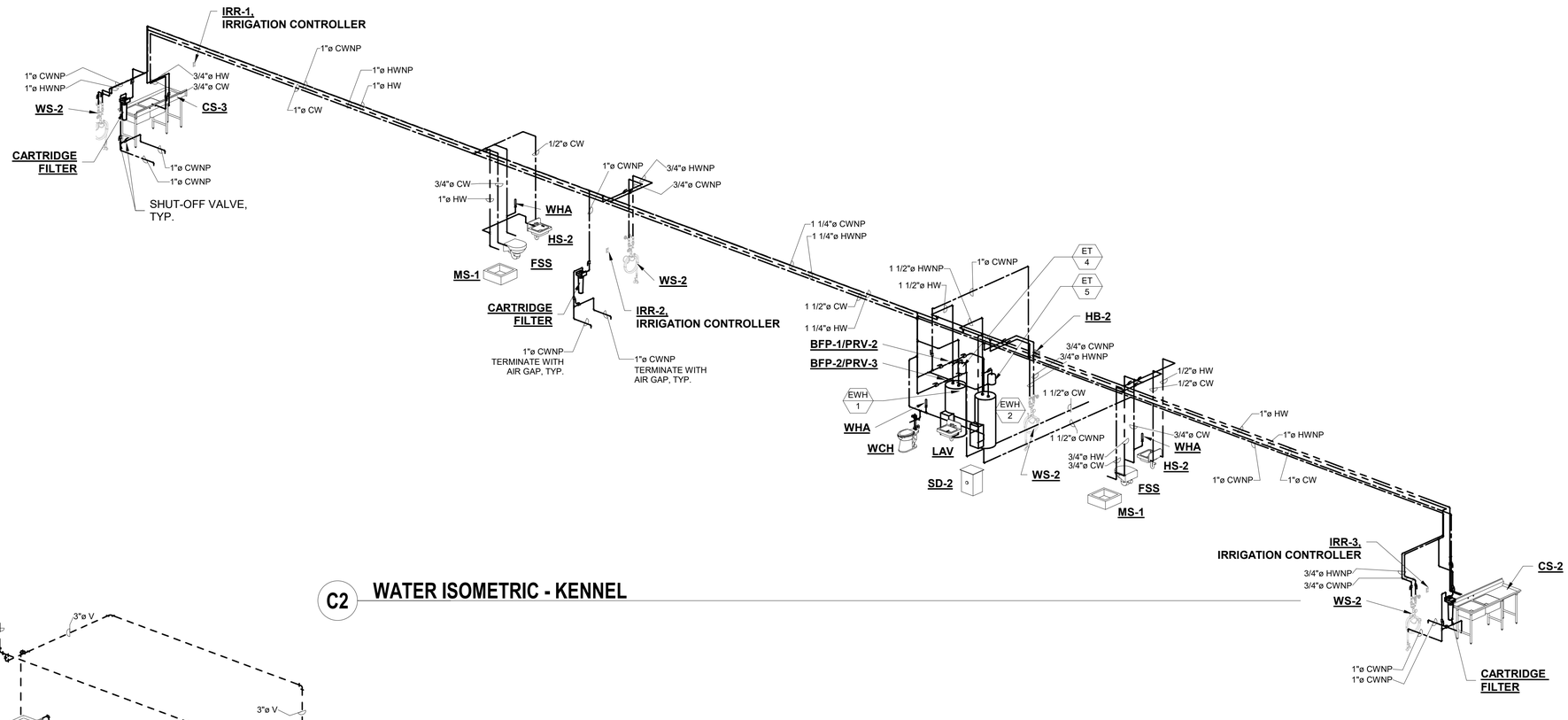
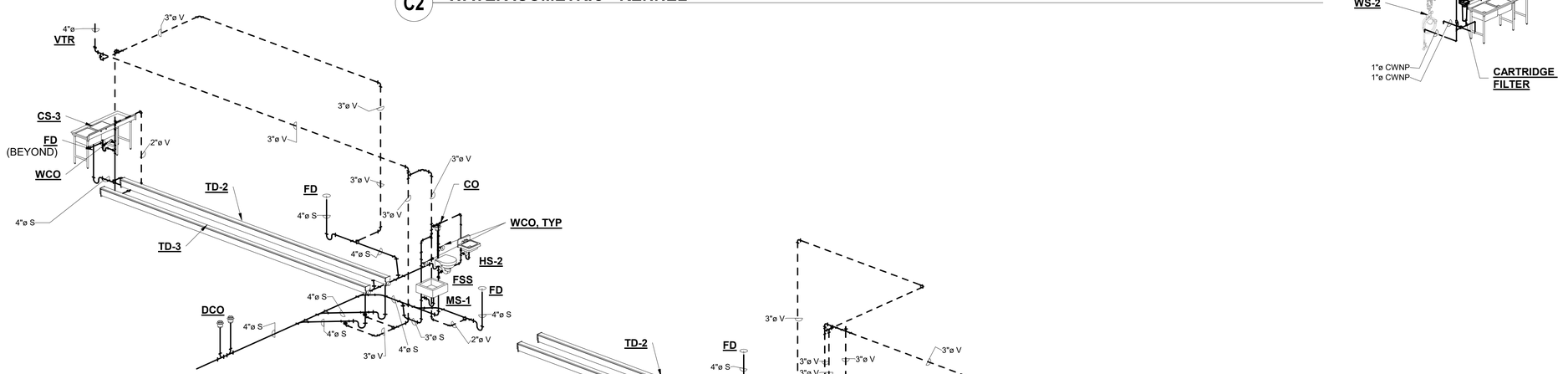


C2 WATER ISOMETRIC - KENNEL



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SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

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PLUMBING ISOMETRIC VIEW

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MECHANICAL SYMBOL LEGEND

(SOME SYMBOLS AND ABBREVIATIONS MAY NOT BE USED ON THIS PROJECT)

GENERAL

8 — KEYED NOTE IDENTIFIER

1 / M300 — DETAIL REFERENCE
1 = DRAWING OR DETAIL NUMBER
M300 = SHEET NUMBER WHERE DRAWN OR DETAIL IS LOCATED.

X / X — EQUIPMENT TAG

DUCTWORK SYMBOLS

EMO — EMERGENCY HVAC SHUTDOWN THRU DDC EMO, RED MUSHROOM CONTACT

HWS — HEATING WATER SUPPLY

HWR — HEATING WATER RETURN

RS — REFRIGERANT SUCTION

RL — REFRIGERANT LIQUID

GFS — GLYCOL / CHEMICAL FEED SUPPLY

PS — PRESSURE SENSOR FOR VFD TO SUPPLY FAN

PDT XX — DIFFERENTIAL PRESSURE SENSOR

LPS — LOW PRESSURE STEAM

LPC — LOW PRESSURE CONDENSATE

CHWS — CHILLED WATER SUPPLY

CHWR — CHILLED WATER RETURN

FP — FIRE PROTECTION

R1,12x6 / 110 CFM — NUMBER IN SQUARE SYMBOL REFERS TO A SPECIFIC GRILLE OR REGISTER TYPE IDENTIFIED IN THE GRILLE/DIFFUSER SCHEDULE. NOMINAL FACE DIMENSIONS OR NECK SIZE. CFM -

DIRECTION OF FLOW

12/20 — INSIDE DUCT SIZE (FIRST FIGURE IS SIDE SHOWN)

SUPPLY DUCT SECTION, DOWN

RETURN DUCT SECTION, DOWN

SUPPLY DUCT SECTION, UP

RETURN DUCT SECTION, UP

EXHAUST DUCT SECTION, UP

FLEXIBLE DUCT

TURNING VANES

T — THERMOSTAT

TS — TEMPERATURE SENSOR

EXHAUST FAN

CONDENSATE PUMP

SD — SMOKE DETECTOR

MD — MOTORIZED DAMPER

SD — SMOKE DAMPER

WNG — WHITE NOISE GENERATOR

HVAC CONTROLS LEGEND

FCD — FLOW CONTROL DAMPER

FCV — FLOW CONTROL VALVE

M — MOTOR

IS — CURRENT SENSOR

FT — FLOW TRANSMITTER

~ — NOT APPLICABLE

< > — CONTROLS CONTRACTOR ENTRY FIELD

V — VIEW

O — OVERRIDE

TS — TEMPERATURE SENSOR

TH — COMBINATION TEMPERATURE AND HUMIDITY SENSOR

CO2 — CARBON DIOXIDE SENSOR

H — HUMIDISTAT

EPO — EMERGENCY POWER OFF (BOILERS)

TSL — TEMPERATURE SENSOR LIMIT (FREEZE STAT)

FS — FLOW SENSOR

FM — FLOW METER

MS — COMBINATION MOTOR STARTER/DISCONNECT

TT — TEMPERATURE TRANSMITTER

ABBREVIATIONS

A	
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ACS DR	ACCESS DOOR
ACOUS LN	ACOUSTIC LINING
A/C	AIR CONDITIONING
AHU	AIR HANDLING UNIT
B	
BD	BALANCING DAMPER
BDD	BACKDRAFT DAMPER
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BHP	BRAKE HORSEPOWER
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
BP	BUILDING PRESSURE
BV	BALANCING VALVE
C	
CFM	CUBIC FEET PER MINUTE
CU	CONDENSING UNIT
CHS	CHILLED WATER SUPPLY
CHR	CHILLED WATER RETURN
CONT.	CONTINUATION
CF/CI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
D	
DEMO	DEMOLISH, DEMOLITION
DB	DRY BULB
DX	DIRECT EXPANSION
DIFF	DIFFUSER
E	
EA	EACH
EAT	ENTERING AIR TEMPERATURE
EP	ELECTRIC-PNEUMATIC
ESP	EXTERNAL STATIC PRESSURE
EXV	EXHAUST VENT
EXH	EXHAUST
ET	EXPANSION TANK
EF	EXHAUST FAN
F	
°F	DEGREES FAHRENHEIT
FPM	FEET PER MINUTE
FT	FEET
FH	FUME HOOD
FLEX	FLEXIBLE
FLEX CONN	FLEXIBLE CONNECTOR
G	
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GF/CI	GOVERNMENT FURNISHED, CONTRACTOR INSTALLED
GF/GI	GOVERNMENT INSTALLED, GOVERNMENT INSTALLED
GA	GAGE
GALV	GALVANIZED
GEV	GLOVEBOX EXHAUST VALVE
GL	GLYCOL
GI	GREASE INTERCEPTOR
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
H	
HD	HEAD, HUB DRAIN, HEAT DETECTOR
HEPA	HIGH EFFICIENCY PARTICULATE AIR
HOA	HAND-OFF-AUTOMATIC
HC	HEATING COIL
HP	HORSEPOWER
HSTAT	HUMIDISTAT
HT	HEIGHT
HTG	HEATING
HTR	HEATER
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
HW	HOT WATER
HZ	HERTZ
I	
IN	INCHES
ID	INNER DIAMETER
K	
KW	KILOWATT
KWH	KILOWATT HOUR
L	
LAT	LEAVING AIR TEMPERATURE
LP	LIQUID PROPANE
LDP	LOCAL DISPLAY PANEL
LX	LABORATORY EXHAUST AIR
M	
MA	MIXED AIR
MBH	1,000 BTU PER HOUR
MBD	MANUAL BALANCING DAMPER
M&C	MOTOR AND CONTROL
MAX	MAXIMUM
MIN	MINIMUM
N	
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO.	NUMBER (QUANTITY)
NPW	NON-POTABLE WATER
O	
OBD	OPPOSED BLADE DAMPER
OA	OUTSIDE AIR
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF/CI	OWNER FURNISHED, CONTRACTOR INSTALLED
OF/OI	OWNER FURNISHED, OWNER INSTALLED
P	
POC	POINT OF CONNECTION TO EXISTING
POR	POINT OF REMOVAL FROM EXISTING
PS	PRESSURE SENSOR
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAGE
PRV	PRESSURE REDUCING VALVE
Q	
QTY	QUANTITY
R	
RLA	RELIEF AIR
RA	RETURN AIR
RPM	REVOLUTIONS PER MINUTE
RTU	ROOF TOP UNIT
RPBFP	REDUCE PRESSURE BACKFLOW PREVENTOR
S	
SA	SUPPLY AIR
SD	SMOKE DETECTOR
ST PR	STATIC PRESSURE (INCHES OF WATER)
SST	STAINLESS STEEL
T	
T'STAT	THERMOSTAT
TYP	TYPICAL
TT	TEMPERATURE TRANSMITTER
TS	TEMPERATURE SENSOR
3WAY CV	THREE WAY CONTROL VALVE
TA	TRANSFER AIR
TBD	TO BE DETERMINED
U	
UNO	UNLESS NOTED OTHERWISE
V	
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VEL	VELOCITY
VFD	VARIABLE FREQUENCY DRIVE
V	VOLTS

GENERAL PROJECT NOTES

A. ALL DUCT SIZES SHOWN ARE INSIDE FREE AREA DIMENSIONS. INSTALL DUCTWORK IN ATTIC SPACE AND ROUTED IN BETWEEN JOIST AND IN JOIST WEBBING.

B. ALL DUCT SEAMS SHALL BE SEALED AIRTIGHT WITH HIGH PRESSURE DUCT SEALER OR HIGH VELOCITY TAPE.

C. PROVIDE ALL NECESSARY FITTINGS FOR RISES AND OFFSETS IN DUCTWORK REQUIRED FOR PROPER INSTALLATION WHETHER OR NOT SHOWN ON DRAWINGS.

D. INSTALL "SPIN-IN" TYPE FITTINGS FOR ROUND BRANCH RUNOUTS TO EACH SHEET METAL PLENUM ABOVE CEILING DIFFUSER AND AT CONNECTION TO MAIN SUPPLY AIR DUCT.

E. ALL 90-DEG. SQUARE ELBOWS SHALL BE PROVIDED WITH DOUBLE THICK TURNING VANES.

F. WALL MOUNTED THERMOSTATS SHALL BE MOUNTED 48" ABOVE FINISHED FLOOR, UNLESS OTHERWISE NOTED.

G. PROVIDE FLEXIBLE DUCT CONNECTION AT AIR HANDLING UNIT SUPPLY AIR CONNECTIONS.

H. ALL SUPPLY AIR DUCTWORK AND ANY RETURN DUCTS SHALL BE WRAPPED WITH 2" EXTERNAL INSULATION WRAP.

I. PROVIDE EQUIPMENT WITH ALL REQUIRED SERVICE AND OPERATIONAL CLEARANCES, INCLUDING ALL REQUIRED CLEARANCES TO COMBUSTIBLES (WHERE APPLICABLE) AND ALL CLEARANCES REQUIRED BY NEC ARTICLE 110.

J. COORDINATE WORK WITH OTHER TRADES TO MINIMIZE CONFLICTS.

K. MECHANICAL CONTRACTOR SHALL KEEP UPDATED AS-BUILT DRAWINGS ON SITE FOR REVIEW DURING CONSTRUCTION. PROVIDE AS-BUILT DRAWINGS TO OWNER AFTER CONSTRUCTION HAS BEEN COMPLETED.

L. ALL FLEXIBLE DUCT SHALL BE FULLY EXTENDED AND SUPPORTED, FREE OF KINKS, NO LONGER THAN 5'-0" AND SAME SIZE AS DIFFUSER NECK OR PROVIDE DUCT TRANSITION TO NECK SIZE AS REQUIRED.

M. ALL DUCTWORK INSTALLED IN AREAS WITH CEILING TO BE ROUTED BETWEEN LIGHTS AS MUCH AS POSSIBLE AND INSTALLED AS HIGH AS POSSIBLE.

N. ALL DUCT PENETRATIONS THROUGH THE ROOF SHALL BE CURBED, FLASHED AND COUNTERFLASHED TO ACHIEVE A WATERTIGHT CONSTRUCTION.

O. COORDINATE ROOF PENETRATIONS TO AND FROM EQUIPMENT WITH STRUCTURAL DRAWING. ROOF OPENINGS SHALL BE LOCATED BETWEEN JOISTS.

P. ALL COMBINATION FIRE/SMOKE AND FIRE DAMPERS SHALL BE INSTALLED IN A U.L. APPROVED MANNER AND SHALL BE U.L. LISTED.

Q. PROVIDE ACCESS DOORS IN FIXED CEILINGS, CHASES AND DUCTWORK TO ALL FIRE DAMPERS, BALANCING DAMPERS, VALVES OR OTHER MECHANICAL DEVICES REQUIRING SERVICE ACCESS.

R. PROVIDE FLEXIBLE CONNECTIONS AT ALL ROOFTOP UNITS AND, OR MAKE-UP AIR UNIT.

S. ALL DIFFUSERS AND GRILLES SMALLER THAN THE CEILING T-BAR SPACING SHALL BE INSTALLED CENTERED IN CEILING TILE AND INDEPENDENTLY SUPPORTED FROM THE STRUCTURE ABOVE WITH CEILING TIE WIRES AND SHALL HAVE CONCEALED FASTENERS.

T. ALL EXHAUST FANS, FLUES, AND PLUMBING VENTS SHALL BE LOCATED AT LEAST 10'-0" FROM ANY OUTSIDE AIR INTAKES OR 3'-0" ABOVE PER IPC/NFPA 54.

U. ALL LOW VOLTAGE CONTROL WIRING SHALL BE PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR UNLESS NOTED OTHERWISE AND SHALL BE RATED FOR PLENUM INSTALLATION.

V. PROVIDE DOUBLE WALL LINED RETURN AIR DUCTS DOWNSTREAM OF ROOFTOP UNITS AS INDICATED ON PLANS WITH 1" INTERNAL INSULATION. LINE ANY TRANSFER DUCTS AS INDICATED ON PLANS WITH 1" INTERNAL INSULATION.

W. COORDINATE LOCATION OF ALL DIFFUSERS, GRILLES AND REGISTERS TO BE SYMMETRICAL WITH RESPECT TO LIGHTS AND CEILING GRIDS. SEE REFLECTED CEILING PLAN AND LIGHTING PLAN.

X. BEFORE CONTRACTOR ORDERS ANY GRILLES, REGISTERS OR DIFFUSERS, CONTRACTOR SHALL VERIFY THE CEILING CONSTRUCTION IN ALL AREAS OF THE PROJECT. IF GRILLES, REGISTERS OR DIFFUSERS SPECIFIED ARE NOT COMPATIBLE WITH THE TYPE OF CEILING CONSTRUCTION, THE CONTRACTOR SHALL ORDER PROPER TYPE OF GRILLE, REGISTER OR DIFFUSER TO BE COMPATIBLE WITH THE CEILING.

Y. PROVIDE FIRESTOP AT ALL PIPING PENETRATIONS OF FIRE RATED WALLS, IF APPLICABLE.

Z. THE SPACE ABOVE THE CEILING IS SERVING AS A RETURN AIR PLENUM. ALL AIR BEING SUPPLIED SHALL BE PROVIDED WITH RETURN AIR PATH BACK TO ITS ORIGIN. PROVIDE IN WALLS EXTENDING THROUGH CEILING AND UP TO STRUCTURE. RETURN AIR OPENINGS EQUAL TO 1 SQ. FT. PER 500 CFM OF AIR BEING RETURNED. UNLESS OTHERWISE NOTED. PROVIDE WITH FIRE DAMPER IN FIRE RATED WALL. PROVIDE SECURITY BARS FOR OPENINGS 8/8 IN SIZE OR LARGER.

AA. COORDINATE THE LOCATIONS OF ALL DUCTWORK WITH ANY PLUMBING LINES AND ELECTRICAL CONDUIT. THE SPACE ABOVE THE CEILING IS LIMITED. IN THE EVENT THAT ANY DUCT CANNOT BE ROUTED AS SHOWN ON THE CONTRACT DRAWINGS, THE CONTRACTOR SHALL MODIFY THE DUCT AS REQUIRED. MAINTAINING THE SAME NET FREE AREA AS THE DESIGNED DUCT. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ARCHITECT SHOWING THE PROPOSED CHANGES FOR APPROVAL THIS SHALL BE DONE AT NO COST TO THE OWNER.

AB. CLEAR SPACE ALLOWANCE FOR ALL DUCTWORK IS VERY MINIMAL AND WILL REQUIRE CAREFUL COORDINATION WITH OTHER TRADES. VERIFY ALL DIMENSIONS BOTH ON THE DRAWINGS AND ON SITE BEFORE LAYING OUT, CUTTING, AND FABRICATING THE WORK. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHEET METAL WORK THAT IS CUT AND FABRICATED FROM THE CONTRACT DRAWINGS WITHOUT DIMENSIONAL VERIFICATION. MECHANICAL CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ALL DUCT OFFSETS REQUIRED TO AVOID STRUCTURAL ELEMENTS AND CHANGES IN CEILING HEIGHTS.

AC. PROVIDE ALL EQUIPMENT WITH ALL REQUIRED SERVICE AND OPERATIONAL CLEARANCES, INCLUDING ALL REQUIRED CLEARANCES TO COMBUSTIBLES (WHERE APPLICABLE) AND ALL CLEARANCES REQUIRED BY NEC ARTICLE 110.

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ARIEL D. NEPHEW — NEW MEXICO — 27962 — 09/25/25 — PROFESSIONAL ENGINEER

SANDOVAL COUNTY • STATE OF NEW MEXICO

SEAL OF THE STATE OF NEW MEXICO • GREAT SEAL • 1912

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

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MECHANICAL SYMBOL LEGEND

M-001

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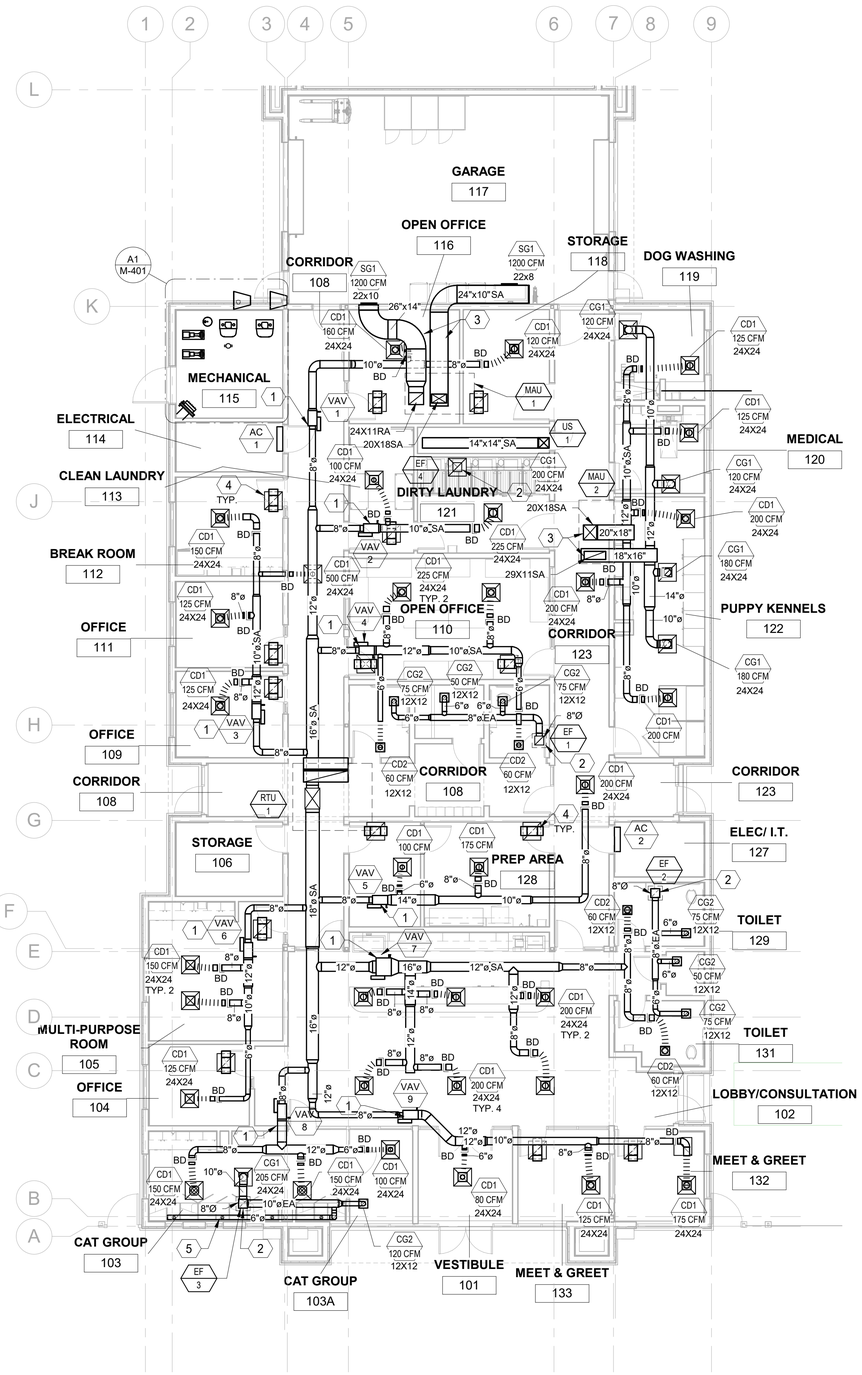

A1 **MECHANICAL FLOOR PLAN**
1/8" = 1'-0"

PLAN NORTH / TRUE NORTH

GENERAL NOTES

A. COORDINATE WORK WITH THE GENERAL CONTRACTOR TO HAVE THE EXPOSED DUCTWORK, AND INSULATION JACKETS PAINTED TO THE ARCHITECTS REQUIREMENTS.
B. PROVIDE AND INSTALL ALL MECHANICAL EQUIPMENT, TRANSFORMERS, RELAYS AND OTHER ELEMENTS NECESSARY FOR A COMPLETE AND FUNCTIONAL SYSTEM. COMPLETE ALL 24 VOLT CONTROL WIRING AND EQUIPMENT TO THE ABOVE. ALL LINE VOLTAGE WING SHALL BE COMPLETED BY THE ELECTRICAL CONTRACTOR TO THE ABOVE.
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D. COORDINATE ALL PROPOSED ROOF PENETRATIONS WITH GENERAL CONTRACTOR AND ARCHITECT AND RELOCATE IF NECESSARY. COORDINATE WITH GENERAL CONTRACTOR/ARCHITECT/OWNER.
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F. PROVIDE SEAL CLASS "A", DUCT PRESSURE CLASS 2 AND LEAK CLASS 24 FOR ALL RETURN AIR DUCTWORK.
G. PROVIDE SEAL CLASS "A", DUCT PRESSURE CLASS 1, AND LEAK CLASS 24 FOR ALL EXHAUST DUCTS.
H. LIMIT INSULATED FLEXIBLE DUCT TO MAXIMUM OF 5-FEET.
I. PROVIDE LAY-IN FRAME FOR SURFACE MOUNTED SUPPLY DIFFUSERS IN HARD LIDS. LOCATE DAMPER DIRECTLY ADJACENT TO LAY-IN FRAME.
J. PROVIDE MANUAL BALANCING DAMPERS FOR ALL SUPPLY, RETURN, AND EXHAUST GRILLES. PROVIDE DAMPERS ON MAIN RETURN AND EXHAUST DUCTS. PROVIDE ACCESS DOOR OR REMOTE CONTROL ARMS IN HARD LIDS.
K. PROVIDE MINIMUM 3X DUCT DIAMETER STRAIGHT DUCT PRIOR TO ALL VAV INLETS.

KEYED NOTES (X)

1. NEW VAV BOXES WITH HOT WATER REHEAT TO BE INSTALLED. PROVIDE 18" WORKING CLEARANCE AT VAV CONTROL BOX AND PIPING CONNECTION. SEE M-601 FOR VAV SCHEDULE.
2. ROOF MOUNTED EXHAUST FAN TO BE ROUTED AS SHOWN. SEE SHEET M-201 FOR CONTINUATION.
3. SUPPLY AND RETURN AIR MAIN DUCT ROUTED FROM ROOFTOP. REFER TO SHEET M-201 FOR CONTINUATION.
4. PROVIDE SOUND BOOT ON ALL PLENUM RETURN GRILLES SEE DETAIL A1/M-501.
5. INSTALL 6" EXHAUST MAIN ABOVE KENNELS WITH 4" DUCT DROP CONNECTIONS FOR EACH CAT KENNEL TYP 8.

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ARIEL D. NEPHEW NEW MEXICO 27962 PROFESSIONAL ENGINEER 09/25/25

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SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

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MECHANICAL PLAN

M-101

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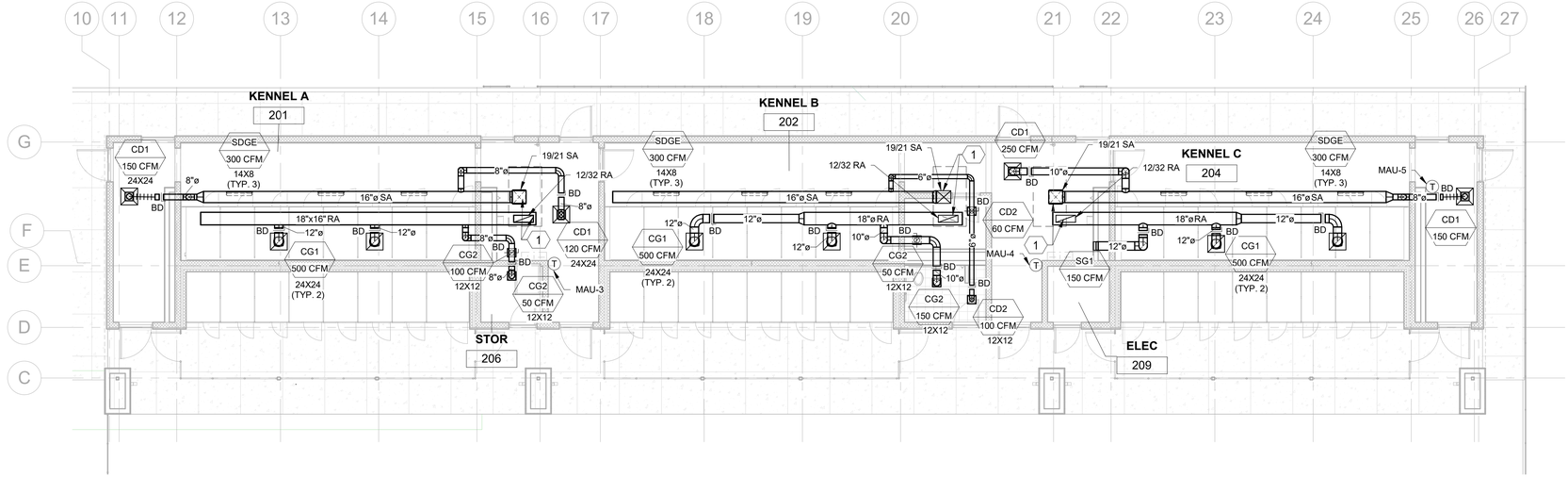

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KEYED NOTES (X)

1. SUPPLY AIR AND RETURN AIR DUCTWORK ROUTED THROUGH POP-UP MHU. REFER TO SHEET M-202 FOR CONTINUATION TO ROOF MOUNTED UNIT.

PLAN NORTH / TRUE NORTH

A1 KENNEL FLOOR PLAN
1/8" = 1'-0"

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ARIEL D. NEPHEW NEW MEXICO 27962 PROFESSIONAL ENGINEER
09/25/25

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MECHANICAL KENNEL PLAN

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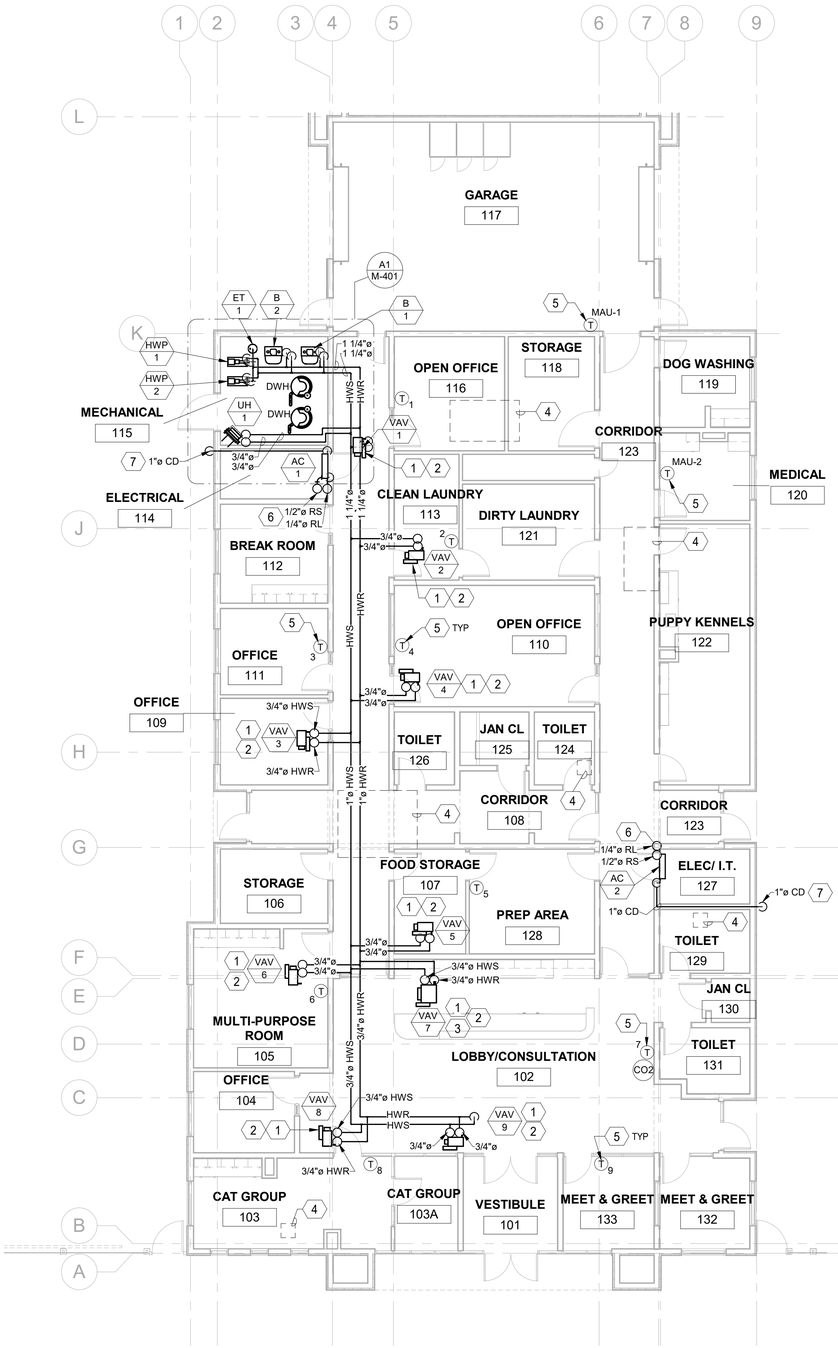

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K. PROVIDE MINIMUM 3X DUCT DIAMETER STRAIGHT DUCT PRIOR TO ALL VAV INLETS.

KEYED NOTES (X)

1. NEW VAV WITH HOT WATER REHEAT COIL (TYP.) SEE ENLARGED MECHANICAL ROOM, SHEET M-401 FOR CONTINUATION.
2. MAINTAIN 18 INCH MINIMUM CLEARANCE IN FRONT OF VAV CONTROL BOX. TYPICAL.
3. PROVIDE 3-WAY VALVE FOR VAV-7. (ALL OTHERS ARE 2-WAY).
4. OUTLINE OF MECHANICAL ROOFTOP EQUIPMENT. REFER TO SHEETS M-101 AND M-201 FOR ADDITIONAL INFORMATION.
5. PROVIDE TEMPERATURE SENSOR FOR EACH SPACE AND SATISFY BOTH.
6. ROUTE REFRIGERANT SUCTION / LIQUID TO CONDENSER LOCATED ON ROOF. SEE DETAIL A3/M-502.
7. 1" CD, CONDENSATE DRAIN FROM AC-1 OR AC-2 ROUTES DOWN IN WALL TO OUTDOORS AND DAYLIGHTS. CD PIPING ELBOWED DOWN AT 12" A.F.G. ONTO SPLASHBLOCK.

A1 **MECHANICAL PIPING PLAN**
1/8" = 1'-0"

PLAN NORTH / TRUE NORTH

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ARIEL D. NEPHEW
NEW MEXICO
27962
PROFESSIONAL ENGINEER
09/25/25

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

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MECHANICAL PIPING PLAN

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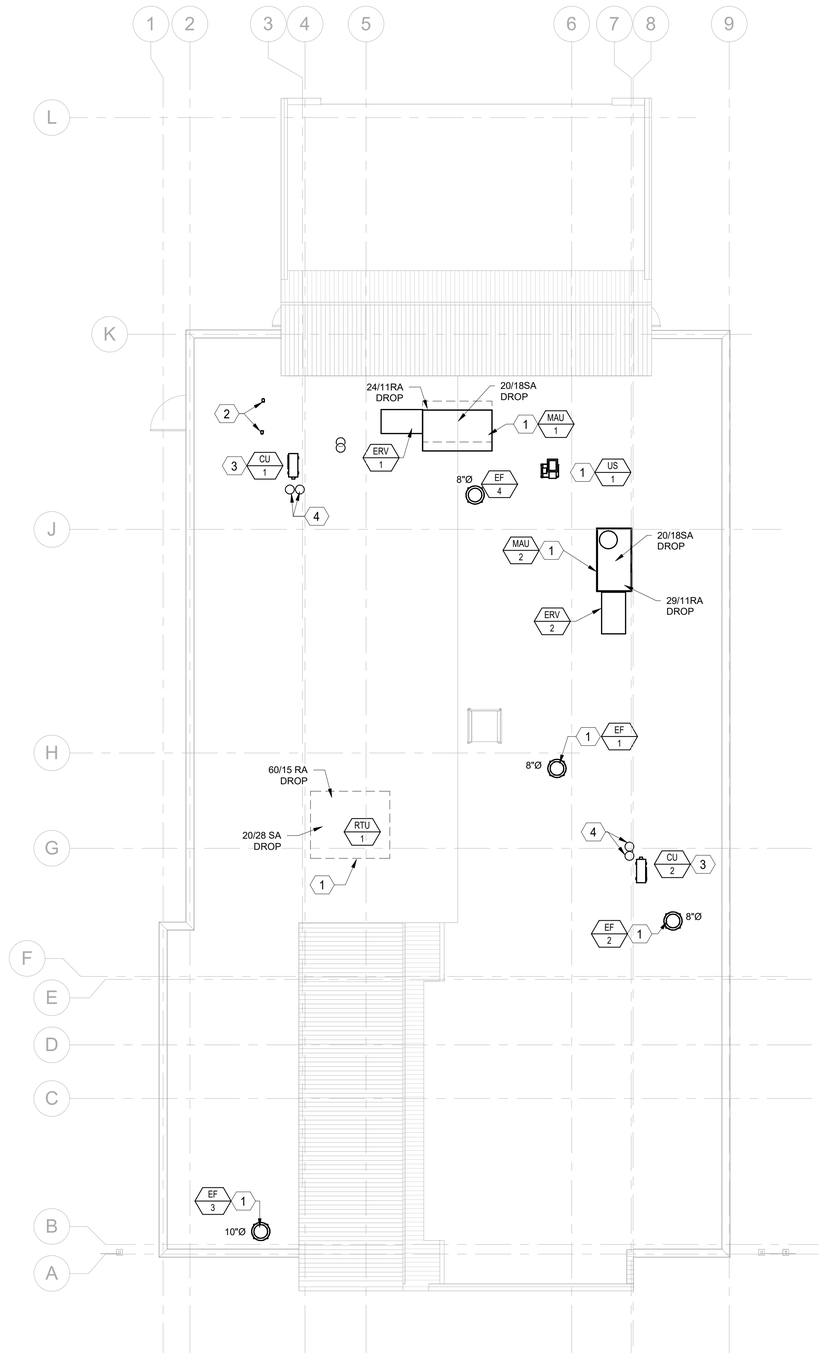

A1 **MECHANICAL ROOF PLAN**
1/8" = 1'-0"

PLAN NORTH TRUE NORTH

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K. PROVIDE MINIMUM 3X DUCT DIAMETER STRAIGHT DUCT PRIOR TO ALL VAV INLETS.

KEYED NOTES (X)

1. NEW RTU-1 UNIT WITH SUPPLY SMOKE DETECTOR TIED TO FIRE ALARM PANEL. SEE SHEET M-601 FOR EQUIPMENT SCHEDULE.
2. CONCENTRIC INTAKE AND VENT FROM WATER HEATER BELOW. SEE M-401 FOR CONTINUATION.
3. NEW CONDENSING UNIT ON MFG ROOF CURB. REFER TO SHEET M-601, MECHANICAL EQUIPMENT SCHEDULE.
4. REFRIGERANT PIPING FROM CONDENSING UNIT DROPS DOWN TO SERVE INDOOR WALL MOUNTED AC SPLIT SYSTEM. REFER TO SHEET M-101 FOR CONTINUATION. PROVIDE SLEEVE AND SEAL OPENING WEATHERTIGHT.

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ARIEL D. NEPHEW NEW MEXICO 27962 09/25/25 PROFESSIONAL ENGINEER

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MECHANICAL ROOF PLAN

M-201

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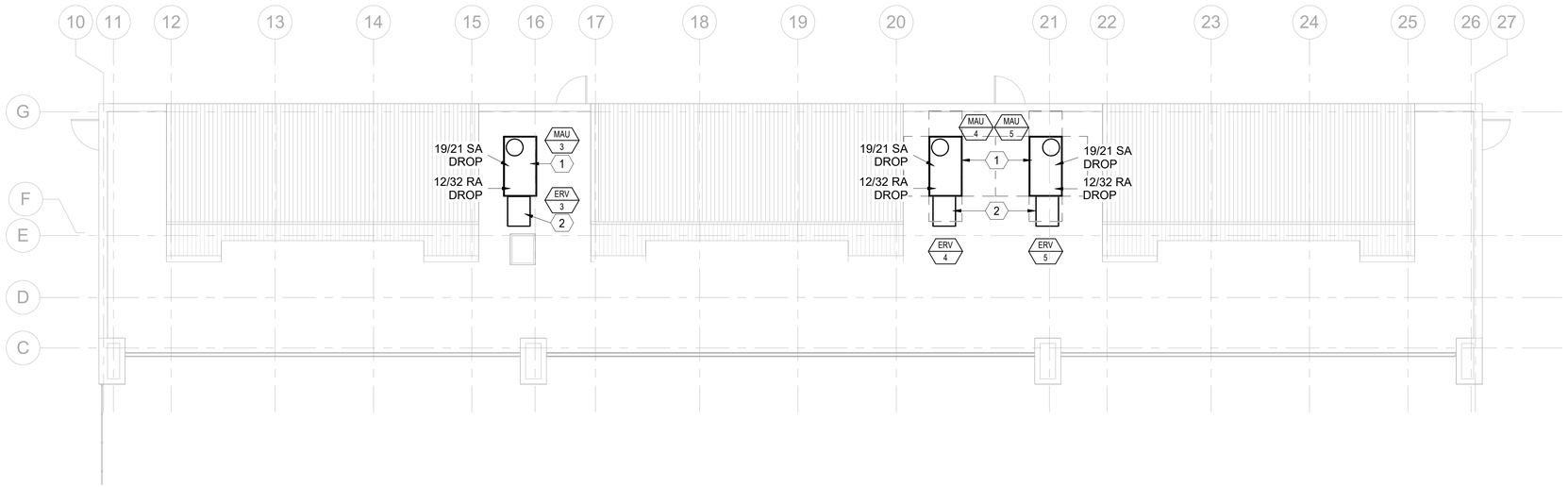
K. PROVIDE MINIMUM 3X DUCT DIAMETER STRAIGHT DUCT PRIOR TO ALL VAV INLETS.

KEYED NOTES (X)

1. MAU, MAKE-UP AIR UNIT ON 24" ROOF CURB. REFER TO SHEET M-601, MECHANICAL EQUIPMENT SCHEDULE.
2. ERV SECTION IS INTEGRAL TO MAU. PROVIDE UNISTRUT SUPPORT AS REQUIRED. FOR REFERENCE, SEE SHEET M-602 FOR UNISTRUT SUPPORT AND ENTHALPHY SECTION OF UNIT.



PLAN NORTH / TRUE NORTH

A1 Kennel Roof Plan
1/8" = 1'-0"

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MECHANICAL KENNEL ROOF PLAN

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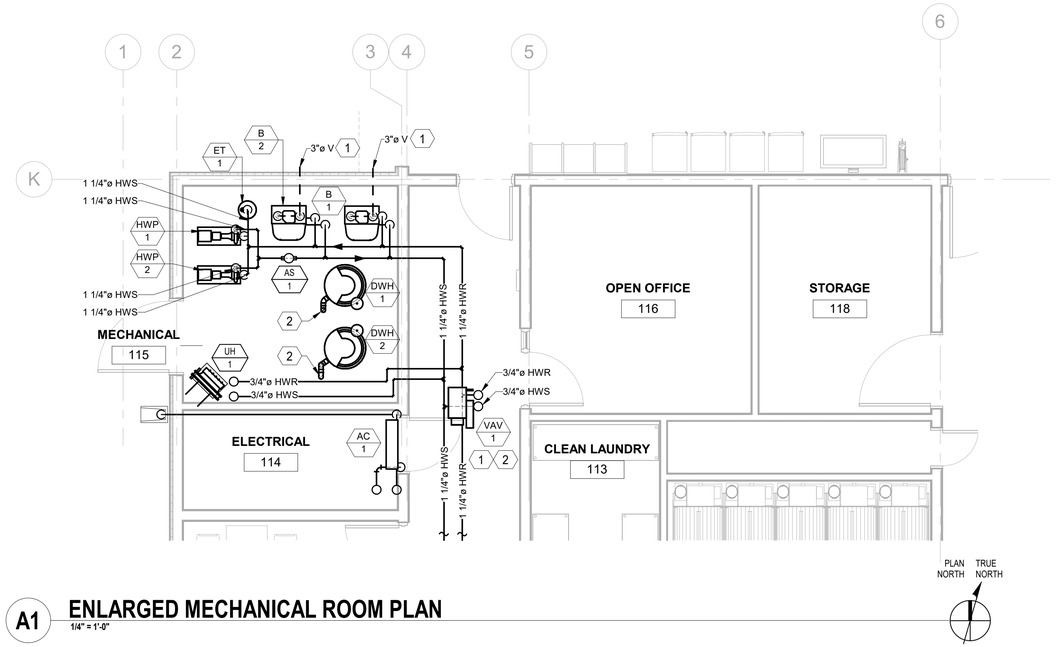
K. PROVIDE MINIMUM 3X DUCT DIAMETER STRAIGHT DUCT PRIOR TO ALL VAV INLETS.

KEYED NOTES (X)

1. ROUTE 3" SCH-40 PVC BOILER INTAKE AND EXHAUST TO WALL TERMINATE WITH CONCENTRIC KIT PER MANUFACTURER. SEE DETAIL C3 SHEET M-501.
2. ROUTE 3" PVC WATER HEATER INTAKE AND VENT THRU ROOF. TERMINATE WITH CONCENTRIC VENT. SEE DETAIL A5 SHEET P-502.



A1 **ENLARGED MECHANICAL ROOM PLAN**
1/4" = 1'-0"

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ENLARGED MECHANICAL ROOM

M-401

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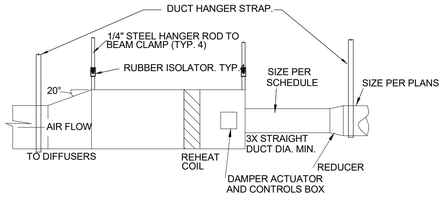
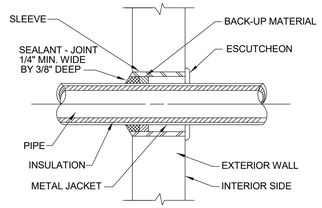


SEE COIL DETAIL D4 SHEET M-502 FOR PIPING CONNECTIONS

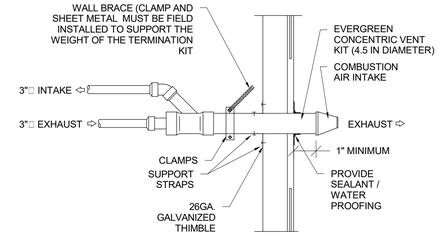
C1 VAV BOX DETAIL

SCALE:NONE



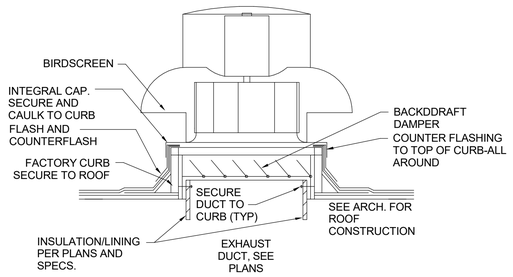
C2 PIPE SLEEVE DETAIL AT EXTERIOR WALL

SCALE: NONE



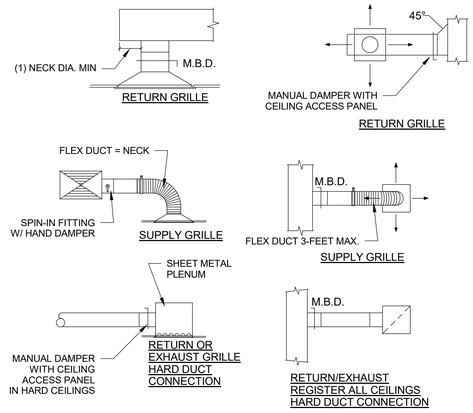
C3 FLUE VENT (SIDE-DISCHARGE) CONCENTRIC KIT

SCALE: NONE



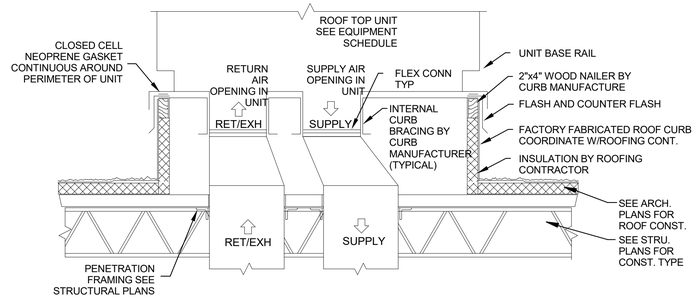
B1 ROOF EXHAUST FAN DETAIL

SCALE: N.T.S.



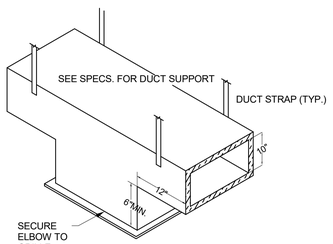
B2 GRILLE-REGISTER-DIFFUSER CONNECTION DETAILS

SCALE: N.T.S.



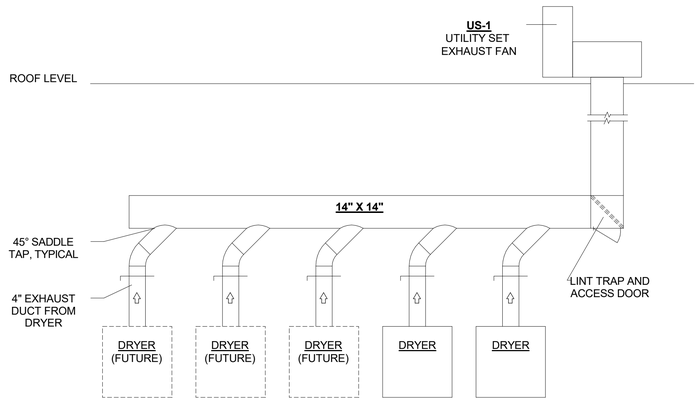
B3 EQUIPMENT ROOF MOUNTING DETAIL

SCALE: N.T.S.



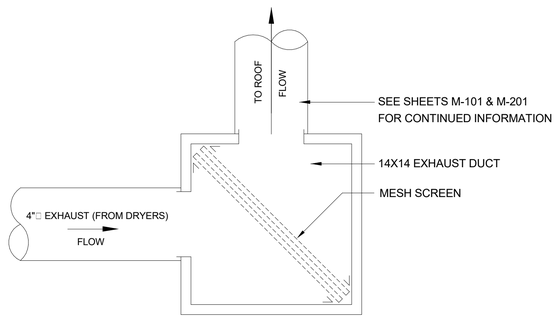
A1 RETURN AIR GRILLE SOUND BOOT DETAIL

SCALE: N.T.S.



A2 DRYER SCHEMATIC

SCALE: N.T.S.



A3 LT - LINT TRAP DETAIL

SCALE: N.T.S.

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ARIEL D. NEPHEW NEW MEXICO 27962 PROFESSIONAL ENGINEER 09/25/25

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

Owner

PROJECT NO.: -
DRAWN BY:
REVIEWED BY:
APPROVED BY:

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
0	9/23/2025	100% CD SUBMITTAL

MECHANICAL DETAILS

M-501

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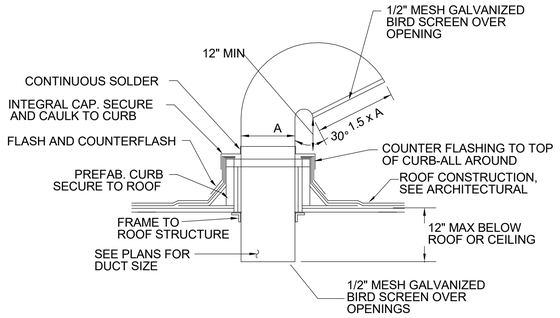
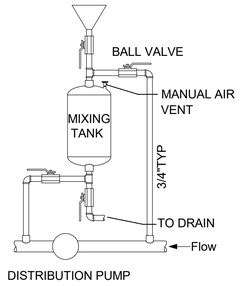


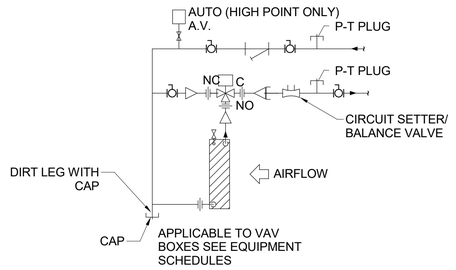
C1 GOOSENECK DETAIL

SCALE: N.T.S.



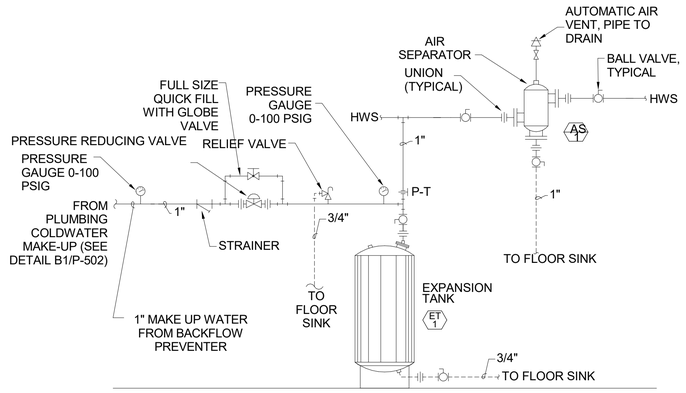
C1 POT FEEDER (FOR HEATING SYSTEM)

SCALE: N.T.S.



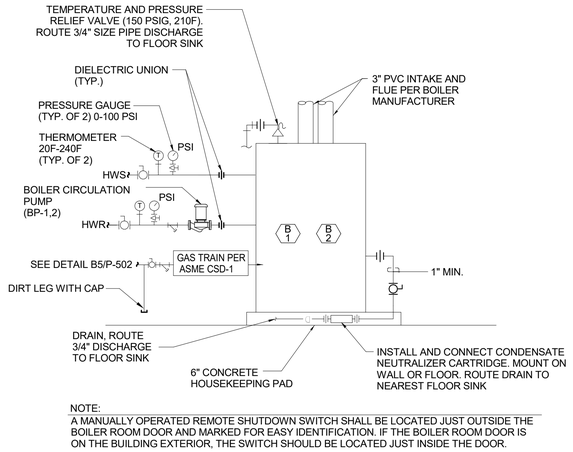
B1 HEATING WATER COIL 3-WAY VALVE (VAV-7)

SCALE: N.T.S.



B2 MAKEUP WATER & EXPANSION TANK DETAIL

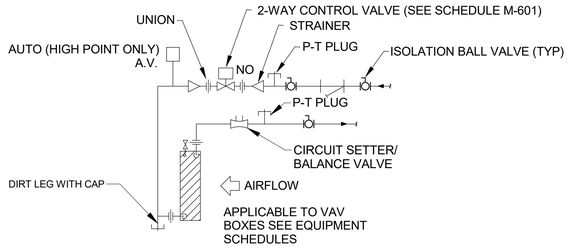
SCALE: N.T.S.



NOTE:
A MANUALLY OPERATED REMOTE SHUTDOWN SWITCH SHALL BE LOCATED JUST OUTSIDE THE BOILER ROOM DOOR AND MARKED FOR EASY IDENTIFICATION. IF THE BOILER ROOM DOOR IS ON THE BUILDING EXTERIOR, THE SWITCH SHOULD BE LOCATED JUST INSIDE THE DOOR.

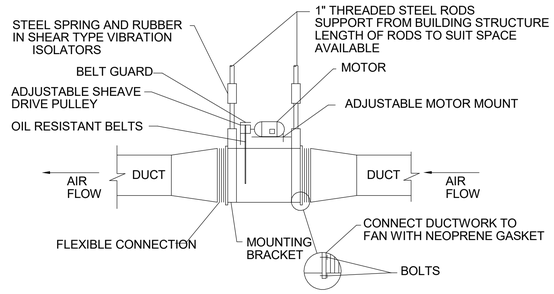
B3 HOT WATER BOILER PIPING

SCALE: N.T.S.



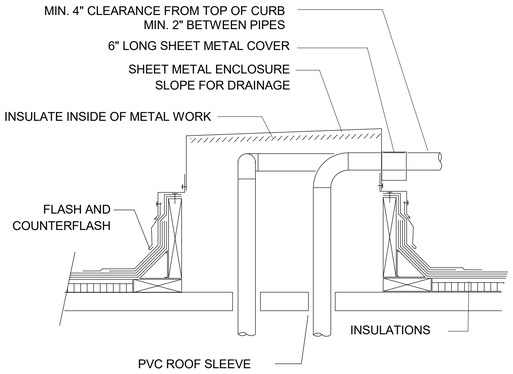
A1 HEATING WATER COIL 2-WAY VALVE (VAV-1 THRU VAV 6, VAV-8, VAV-9)

SCALE: N.T.S.



A2 IN-LINE FAN DETAIL

SCALE: N.T.S.



A3 PIPE SLEEVE DETAIL AT ROOF

SCALE: N.T.S.

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AIR HANDLING UNIT SCHEDULE

ALL THE FOLLOWING NOTES APPLY:	
1.	DESIGN IS BASED ON SITE ELEVATION OF 3,379 FEET.
2.	OUTDOOR AIR RAIN HOOD WITH HAIL AND INSECT SCREEN.
3.	CONDENSER AMBIENT TEMPERATURE: 100° F.
4.	DOUBLE WALL CASING CONSTRUCTION.
5.	STARTERS, DISCONNECTS, TRANSFORMERS, SINGLE POINT POWER CONNECTION, LIGHTS.
6.	CONVENIENCE OUTLET.
7.	100 PERCENT OUTDOOR AIR SCREENED HOOD.
8.	WASHABLE PRE-FILTERS AND 2" MERV 13 FILTERS.
9.	UNIT FACTORY CONTROLS SHALL
a.	ACCOMPLISH SEQUENCES INDICATED ON CONTROL SHEETS.
b.	PROVIDE WITH BACNET INTERFACE COMPATIBLE WITH TRIDIUM NIAGARA CONTROLS.
c.	MAKE ALL POINTS INDICATED ON SEQUENCE OF OPERATION AVAILABLE TO TEMPERATURE CONTROLS.
10.	FULL PERIMETER ROOF CURB VIBRATION ISOLATION RAILS WITH 2" STATIC DEFLECTION SIMILAR TO MASON RSC.
11.	VARIABLE FREQUENCY DRIVE FOR SUPPLY AIR FAN SHALL BE PROVIDED BY FACTORY.
12.	FACTORY CONTROLS SHALL PROVIDE:
a.	STATUS OF COMPRESSORS, FAN & DAMPERS, FREEZESTAT, HEATING, SUPPLY AIR TEMP.
b.	BUILDING PRESSURE CONTROL WITH EXHAUST /SUPPLY FAN OFFSET (ADJUSTABLE).
c.	CONTRACTOR IS RESPONSIBLE FOR ALL COMPONENTS NEEDED TO OBTAIN CONTROL SEQUENCES.
13	PROVIDE CONVENIENCE RECEPTACLES

		SUPPLY | RETURN	SUPPLY | RETURN
SOUND POWER AT OPENING dB (HZ)	63	97 | 93	97 | 93
	125	96 | 89	96 | 89
	250	98 | 87	98 | 87
	500	97 | 82	97 | 82
	1000	93 | 85	93 | 85
	2000	92 | 83	92 | 83
	4000	94 | 80	94 | 80
	8000	91 | 77	91 | 77

AIR HANDLING UNIT SCHEDULE

SITE ELEVATION: 3,379 FEET		RTU-1
SYSTEM TYPE		VARIABLE AIR VOLUME
INDOOR / OUTDOOR		OUTDOOR
MANUFACTURER		LENNOX
MODEL		LGT156H5V
NOMINAL SIZE TON		13
SUPPLY FAN	TYPE	VAV BELT DRIVE
	DISCHARGE LOCATION	DOWN DISCHARGE
	CFM @ ALTITUDE	4,775
	ESP / TSP (IN WC)	2.0 | 2.07
	RPM	1,108
RETURN/ RELIEF FAN	TYPE	
	CFM @ ALTITUDE	4,155
	SP. (EXTERNAL) IN WG	0.5
	RPM	0
SYSTEM EXHAUST CFM (FOR CONTROLS)		
RELIEF AIR METHOD (BY FACTORY)		
OUTSIDE AIR (CFM)		1,400
COOLING	COOLING STAGE(S)	2-STAGE
	MIN. ARI IEER / EER	15 | 12
	EAT DB / WB F	80 | 67
	LAT DB / WB F	56.9 | 56.9
	GROSS TOTAL | SENSIBLE (MBH)	131.8 | 91.7
	NET TOTAL | SENSIBLE (MBH)	119.7 | 79.1
	AMBIENT TEMP	105 °F
HEATING	HEATING STAGE (2)	2-STAGE
	EAT DB °F	59.9
	LAT DB °F	99.7
	MBH INPUT (HI/LO)	260 | 85
	MBH OUTPUT (HI/LO)	211 | 69
ELECTRICAL	VOLT / PH / HZ	208V / 60HZ / 3 PH
	SUPPLY MOTOR HP	5.0 HP
	SUPPLY FAN FLA	16.7
	MIN CIRC. AMPS	72
	MOCP AMPS	90
	COMPRESSOR RLA	41.6
	CONDENSOR FAN FLA	7.6
UNIT WEIGHT & CURB (LBS.)		2,452
FILTERS (MERV)		(6) 2" MERV-13
		24" X 24" X 2.0"
SOUND RATING		86 dBA

AIR DISTRIBUTION SCHEDULE

(VERIFY CEILING TYPES BEFORE ORDERING AND PROVIDE SQUARE-ROUND TRANSITIONS WHERE REQUIRED)

SYMBOL	DESCRIPTION	FUNCTION	MFG & MODEL	MOUNTING	TYPE	BALANCING DAMPER	FIRE DAMPER	MATERIAL	FINISH	THROW	PLENUM	REMARKS
CD1	CEILING DIFFUSER, SQUARE	SUPPLY	PRICE SCDA-4 CONE	LAY-IN	LOUVERED	N/A	N/A	STEEL	SEMI-GLOSS	ADJUSTABLE	N/A	3, 4
CD2	CEILING DIFFUSER, SQUARE		PRICE SCDA	SURFACE	LOUVERED	OBD	N/A	STEEL	SEMI-GLOSS	ADJUSTABLE	N/A	4
CD3	CEILING DIFFUSER, ROUND		PRICE RCDE	SURFACE	ROUND CONE	N/A	N/A	STEEL	SEMI-GLOSS	ADJUSTABLE	N/A	4
CG1	CEILING GRILLE	RETURN, TRANSFER, EXHAUST	PRICE 80	LAY-IN	EGG-CRATE	N/A	N/A	STEEL	SEMI-GLOSS	N/A	N/A	1, 4
CG2	CEILING GRILLE		PRICE 80D	SURFACE	EGG-CRATE	OBD	N/A	STEEL	SEMI-GLOSS	N/A	N/A	1, 4
SG1	SIDEWALL GRILLE	SUPPLY	PRICE 540	SURFACE	EGG-CRATE	OBD	N/A	STEEL	SEMI-GLOSS	N/A	N/A	2, 4
SDGE	SPIRAL DUCT GRILLE	SUPPLY	PRICE SDGE	SPIRAL DUCT FRAME	LOUVERED	OBD	N/A	STEEL	SEMI-GLOSS	ADJUSTABLE	N/A	4
SDS	SLOT TYPE DIFFUSER	SUPPLY	PRICE SDS75	RECESSED	(3/4") 2 SLOT, 48" LONG	INTEGRAL DAMPER	N/A	STEEL	SEMI-GLOSS	ADJUSTABLE	SDA	4,5,6
SDR	SLOT TYPE DIFFUSER	RETURN	PRICE SDR75	RECESSED	(3/4") 2 SLOT, 48" LONG	N/A	N/A	STEEL	SEMI-GLOSS	ADJUSTABLE	N/A	4,6

FLOOR PLAN CONVENTION

CD1
200,8 (200 CFM, 8"NECK SIZE)
TYP.4

CG1
24x24
TYP.4

NOTES

CONTRACTOR TO PROVIDE TRANSITIONS, SUCH AS ROUND TO SQUARE WHERE REQUIRED. FLEXIBLE DUCT SHALL NOT EXCEED 36". PROVIDE ALL REQUIRED DEVICES, SUCH AS MOUNTING CLIPS, SUPPORTS.
REMARKS:
1. 1/2"x1/2"x1/2" CORE SIZE
2. BLADES AT 45 DEGREES
3. 24" X 24" UNLESS NOTED OTHERWISE.
4. CONTRACTOR TO VERIFY WITH ARCHITECT FINAL COLOR FOR DIFFUSER BEFORE ORDERING DEVICES.
5. PROVIDE WITH SDA PLENUM, BUTTERFLY DAMPER, BLANK OFF STRIPS.
6. PROVIDE WITH BLANK OFF STRIPS

EXHAUST FAN SCHEDULE

SYMBOL	LEVEL	SERVICE	TYPE	MFG & MODEL	FLOW @ 5,309 (CFM)	ESP @ 5,309 (IN.WG)	DRIVE TYPE	RPM	SONES	ELECTRICAL				OPERATING WEIGHT	REMARKS
										MCA	MOCP	V / PH	HP		
EF -1	1ST FLOOR	NORTH RRS, JANITORS CLOSET	ROOF	GREENHECK G-095-VG	200	0.75	DIRECT	1,661	9.0	4 A	15 A	115V / 1	1/4	41 LBS.	1, 2, 3
EF -2	1ST FLOOR	SOUTH RRS, JANITORS CLOSET	ROOF	GREENHECK G-095-VG	240	0.72	DIRECT	1,725	10.9	3 A	15 A	115V / 1	1/6	33 LBS.	1, 2, 3
EF-3	1ST FLOOR	CAT GROUPS	ROOF	GREENHECK G-099-VG	500	1	DIRECT	1,699	10.2	4 A	15 A	115V / 1	1/4	41 LBS.	1, 2, 3
EF-4	1ST FLOOR	LAUNDRY	ROOF	GREENHECK G-097-VG	200	0.75	DIRECT	1,661	9.0	2.85 A	15 A	115V / 1	1/4	41 LBS.	1, 2, 3
US-1	1ST FLOOR	DRYER VENT EXHAUST	ROOF	GREENHECK USF-12	1,000	0.75	DIRECT	1755	15.2	7.25A	20 A	115V / 1	1/4	97 LBS.	1, 2, 3

NOTES:

1. DISCONNECT AND MOTOR STARTER
2. MOTORIZED DISCHARGE DAMPER
3. VIBRATION ISOLATORS

SPLIT SYSTEM AIR CONDITIONING UNIT SCHEDULE

SYMBOL	MANUFACTURER & MODEL	HEAT TYPE HEAT PUMP	SERVICE	NOMINAL TONS	SUPPLY FAN			COOLING REQUIRED AT 96° OSA, 62° EWB	HEATING	ELECTRICAL OUTDOOR UNIT			SEER	OPERATING WEIGHT AC / CU (LBS)
					CFM HIGH	CFM LOW	V / PH	COOLING RANGE	HEATING RANGE	MOCP	MCA	V / PH		
AC-1	LENNOX MODEL MWMD009S6-1P	WALL UNIT	ELEC RM	0.75	357	251	SUPPLIED BY CU-1	9,000 BTUH	11,000 BTUH	20	12	208/1	25.0	23
CU-1	LENNOX MODEL MWLD009S6S-1P													71
AC-2	LENNOX MODEL MMWLD012S6S-1P	WALL UNIT	IT/DATA RM	1.0	427	251	SUPPLIED BY CU-1	12,000 BTUH	12,000 BTUH	20	12	208/1	24.0	23
CU-2	LENNOX MODEL MWLD012S6S-1P													71

NOTES:
1. INDOOR UNIT: WALL MOUNTED TEMPERATURE SENSOR AND STANDARD FILTER. OUTDOOR: DC INVERTER-DRIVEN TWIN ROTARY COMPRESSOR WITH 454 REFRIGERANT.
2. PROVIDE UNIT WITH CONDENSATE PUMP, 120 VOLT.

UNIT HEATER - HOT WATER

SYMBOL	SERVES	MANUFACTURER & MODEL	DISCHARGE TYPE	CFM @ S.L.	MBH	EWT	GPM	WPD (FT.)	ELECTRICAL	
									HP	VOLT / PH
UH-1	MECHANICAL ROOM	AIRTHERM HA-18	HORIZONTAL	400	13	200°F	1.3	0.005	16 W	115V / 1

VAV BOX (HOT WATER)

RTU	MARK	SERVES	SIZE	CLG MAX. CFM	HTG MIN. CFM	HTG DELTA 'T'	TOTAL HEAT (MBH)	BALANCE WATER (GPM)	CV	VALVE TYPE	ROWS	HEAD (PSIG)
RTU-1	VAV-1	OPEN OFFICE	6	280	140	30	4.2	0.4	0.3	2-WAY	1	2.17
	VAV-2	LAUNDRY	6	325	165	30	4.9	0.5	0.3	2-WAY	1	2.17
	VAV-3	OFFICES	8	600	300	30	9.0	0.9	0.6	2-WAY	2	2.17
	VAV-4	OPEN OFFICE	8	570	285	30	8.6	0.9	0.6	2-WAY	1	2.17
	VAV-5	FOOD STORAGE/PREP	8	475	240	30	7.1	0.7	0.7	2-WAY	2	2.17
	VAV-6	MULTIPURPOSE/ OFFICE	8	425	215	30	6.4	0.6	0.4	2-WAY	1	2.17
	VAV-7	LOBBY	12	1320	660	30	19.8	2.0	1.3	3-WAY	2	2.17
	VAV-8	CAT GROUP	6	400	200	30	6.0	0.6	0.4	2-WAY	1	2.17
	VAV-9	MEET & GREET	6	380	400	30	5.7	0.6	0.3	2-WAY	1	2.17

ALL CONTROL VALVES SHALL BE 2-WAY TYPE, UNLESS NOTED OTHERWISE.
PROVIDE STANDARD FACTORY DISCHARGE SOUND ATTENUATOR AT OFFICE
AIR TEMP. FROM AHU 55°F.
MIN. COIL LEAVING AIR TEMP. 95°F.
WATER TEMPERATURE ENTERING COIL 160F.
MAXIMUM COIL WATER PRESSURE DROP: 5.0 FT.

MAX. RAD. NC 30
120V CONTROLS
FACTORY PROVIDED 24V TRANSFORMER
GENERAL NOTE: TERMINAL UNITS SERVING THE RESTROOMS SHALL BE CONSTANT VOLUME UNITS

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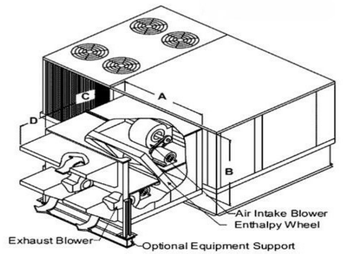

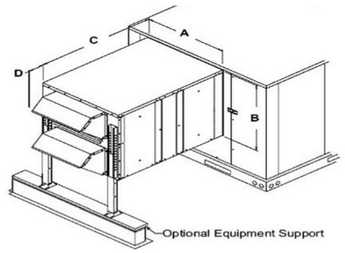

MAU & ERV

MAKE-UP AIR / HEAT PUMP UNIT SCHEDULE

MARK	LENNOX MFG & MODEL	SERVICE	HEATING			ELECTRIC HEAT SIZE (KW)	COOLING (D/X)			ENERGY RECOVERY WHEEL PERFORMANCE				AIR PERFORMANCE					ELECTRICAL			SOUND RATING	OPERATING WEIGHT (LBS)
			TYPE	CAPACITY INPUT (HI/LO)	CAPACITY OUTPUT (MBH)		TYPE	GROSS COOLING (MBH)	NET COOLING (MBH)	ERW HEATING RECOVERY	ERW HEATING EFFICIENCY	ERW COOLING RECOVERY	ERW COOLING EFFICIENCY	SUPPLY AIR CFM	OUTDOOR AIR CFM	EXHAUST/RETURN AIR CFM	ESP/TSP (IN. WC)	DRIVE	VOLT / PH	MCA	MOCP		
MAU-1/ERV-1	LHX036S5E / 50P1144xH	SALLYPORT	HEAT PUMP	2.9 / 2.7 KW	20.3	7.5	HEAT PUMP	30.1	28.9	-	-	17.7 MBH	77.6	1,200	600	1,300	0.50 / 0.62	DIRECT DRIVE	208/3	40 A	40 A	75 DBA	806
MAU-2/ERV-2	LGX024S5E / 50P1149XH21	DOG MEDICAL/ WASHING	DIRECT GAS-FIRED	65.0 MBH	52.0	-	DIRECT EXPANSION	21.3	20.3	13.5 MBH	80.2	13.5 MBH	82.9	810	400	700	0.75 / 0.80	DIRECT DRIVE	208/1	19 A	25 A	74 DBA	760
MAU-3/ERV-3	LHX036S5E / 50P1144xH	KENNELS A	HEAT PUMP	2.9 / 2.7 KW	20.1	7.5	HEAT PUMP	28.7	27.8	-	-	12.7 MBH	83.9	1,300	650	1,150	0.50 / 0.60	DIRECT DRIVE	208/3	40 A	40 A	75 DBA	1,299
MAU-4/ERV-4	LHX036S5E / 50P1144xH	KENNELS B	HEAT PUMP	2.9 / 2.7 KW	19.9	7.5	HEAT PUMP	28.3	27.4	-	-	12.8 MBH	84.6	1,100	550	1,200	0.5 / 0.60	DIRECT DRIVE	208/3	40 A	40 A	75 DBA	1,269
MAU-5/ERV-5	LHX036S5E / 50P1144xH	KENNELS C	HEAT PUMP	2.9 / 2.7 KW	19.8	7.5	HEAT PUMP	27.9	27.0	-	-	12.7 MBH	83.9	1,250	625	1,150	0.5 / 0.59	DIRECT DRIVE	208/3	40 A	40 A	75 DBA	1,299

NOTES:
1. UNIT SELECTED AT ELEVATION OF 5,315 FT ABOVE SEA LEVEL.
2. FURNISH UNIT WITH SINGLE POINT POWER CONNECTION
3. PROVIDE ALL FITTINGS AND ACCESSORIES FOR A COMPLETE AND OPERATIONAL SYSTEM.
4. PROVIDE ALL SERVICE AND OPERATIONAL CLEARANCES AS REQUIRED. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
5. EQUIVALENT MANUFACTURERS - CAPTIVEAIRE.
6. PROVIDE MERV 1 RETURN AIR FILTERS, AND MERV 13 SUPPLE FILTERS

NOTE:

THE BASIS OF DESIGN IS THE MANUFACTURER LISTED, OR APPROVED EQUAL (QAE).

WATER BOILER (NATURAL GAS)

SYMBOL	TYPE	MFG & MODEL NUMBER	AFUE	PERFORMANCE				WPD FT	ENTERING WATER	LEAVING WATER	ELECTRICAL		OPERATING WEIGHT
				INPUT MBH @ SL	OUTPUT MBH @ SL	TURN DOWN RATIO	BOILER PUMP (GPM)				VOLT / PH / HZ	FLA	(LBS)
B-1	CONDENSING	WEIL-MCLAIN EVG-110	95%	110	88	5:1	11	1.5	120° F	140° F	120V / 1 / 60	2	125
B-2													

NOTES:
1. FACTORY COMPLETE COMBUSTION AIR AND VENT: OUTDOOR AIR AND VENT SHALL BE INDEPENDENT FOR EACH UNIT. PROVIDE ALL FACTORY COMPONENTS FOR A COMPLETE INSTALLATION, INCLUDING ROOF COMPONENTS AND WEATHERPROOFING. MATERIALS SHALL BE PVC OR CPVC, AS RECOMMENDED BY THE MANUFACTURER.
2. PRESSURE RELIEF VALVE SETTING: 46 PSIG.
3. EMERGENCY ROOM SHUTOFF SWITCH: COORDINATE WITH ELECTRICAL FOR EMERGENCY SHUTOFF, SEE M-401, E-401.
4. GAS TRAIN: IRI (INDUSTRIAL RISK INSURERS) COMPLIANT.
5. SET WATER TEMPERATURE AT 140 F. (160 F RESET, SEE SEQUENCE)
6. FACTORY CONTROLS (SEE ALSO CONTROL SEQUENCES):
   - 6.1. CONTROL BOARD WITH STARTER, DISCONNECTS, TRANSFORMERS, SINGLE POINT POWER CONNECTION.
   - 6.2. HIGH TEMPERATURE BURNER CUTOFF WITH AUTOMATIC RESET.
   - 6.3. LOW WATER CUTOFF SWITCH WITH AUTOMATIC RESET.
   - 6.4. BLOCKED COMBUSTION AIR INLET PRESSURE SWITCH WITH MANUAL RESET.
   - 6.5. AUDIBLE ALARM WITH MANUAL SILENCE SWITCH FOR ABOVE CONDITIONS.
   - 6.6. MULTIPLE BOILER FIRE LEVEL CONTROL DDC COMMUNICATION PORT (BACnet COMPATIBLE) POINTS (DDC CONTROLLER IS REFERENCE FOR INPUTS/OUTPUTS):

Air Flow Schedule

Space Name	System	Supply (CFM)	Exhaust (CFM)	Area (ft^2)	Vol (ft^3)	Space Pressure	Air Changes/Hr
DOG WASHING	MAU-2/ERV-2	125	120	105	1680	5	4.46
MEDICAL	MAU-2/ERV-2	125	120	100	1600	5	4.69
PUPPY KENNELS	MAU-2/ERV-2	400	360	295	4720	40	5.08
SALLYPORT	MAU-1/ERV-1	1200	1200	740	14060	0	0.85
DOG KENNELS A	MAU-3/ERV-3	1300	1150	480	9600	150	6.06
DOG KENNELS B	MAU-4/ERV-4	1100	1200	480	9600	-100	2.69
DOG KENNELS C	MAU-5/ERV-5	1250	1150	480	9600	100	2.69
CAT GROUP	RTU-1/EF-4	300	380	225	2025	-80	8.89
CAT GROUP 2	RTU-1/EF-4	100	120	75	675	-20	8.89

PUMP SCHEDULE

SYMBOL	MFG & MODEL	LOCATION	SERVICE	MIN CAPACITY (GPM)	TOTAL HEAD FEET W.C.	TYPE	MAX. RPM	MIN PUMP EFF %	MINIMAL DISCHARGE / SUCTION	ELECTRICAL MOTOR					REMARKS
									(IN.)	HP	VOLTS	PH	HZ	CONTROL	
HWP-1	TACO VR SERIES VR15M	MECH RM	SECONDARY HEATING	8.5	30	INLINE	1,750	83	1.5 / 1.5	0.6	110	1	60	VFD	PROVIDE WITH VFD DRIVE AND INVERTER DUTY MOTOR
HWP-2	TACO VR SERIES VR15M	MECH RM	SECONDARY HEATING	8.5	30	INLINE	1,750	83	1.5 / 1.5	0.6	110	1	60	VFD	PROVIDE WITH VFD DRIVE AND INVERTER DUTY MOTOR
BP-1	TACO ECM 007E BOILER CIRCULATOR	MECH RM	PRIMARY HEATING	11	5.5	PROVIDED WITH BOILER	1,750	95	1.5 / 1.5	1/8	120	1	60	DRY CONTACT	PROVIDED BY MFG
BP-2	TACO ECM 007E BOILER CIRCULATOR	MECH RM	PRIMARY HEATING	11	5.5	PROVIDED WITH BOILER	1,750	95	1.25 / 1.25	1/8	120	1	60	DRY CONTACT	PROVIDED BY MFG

POT FEEDER SCHEDULE

SYMBOL	MANUFACTURER & MODEL	SERVICE	TYPE	CAPACITY
CF1	NEPTUNE MODEL NO. DBF-5HP	HEATING WATER	VERTICAL	5-GALLON

EXPANSION TANK SCHEDULE

SYMBOL	MFG & MODEL NUMBER	MAX OPERATING TEMPERATURE	MAX WORKING PRESSURE	TOTAL VOLUME	MAX ACCEPTANCE VOLUME	REMARKS
			PSIG	(GAL)	(GAL)	
ET-1	B&G D-40V	140° F	60	25	20.2	FACTORY AIR PRE-CHARGED DIAPHRAGM TYPE AND FIELD ADJUSTABLE; 3/4" SYSTEM CONNECTION.

AIR SEPARATOR SCHEDULE

SYMBOL	MFG & MODEL NUMBER	LOCATION	SYSTEM	RATED CAPACITY	MIN DESIGN PRESSURE	PRESSURE DROP (FT)	DIAMETER	PIPE CONNECTION	REMARKS
				(GPM)	(PSIG)				
AS-1	SPIROTHERM VSR 200	MECHANICAL ROOM 116	HEATING	10	100	0.7	6"	2 1/2"	FLANGED UNIT WITH AUTO AIR VENT

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SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

Owner

PROJECT NO.: -
DRAWN BY:
REVIEWED BY:
APPROVED BY:

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
0	9/23/2025	100% CD SUBMITTAL

MECHANICAL SCHEDULE

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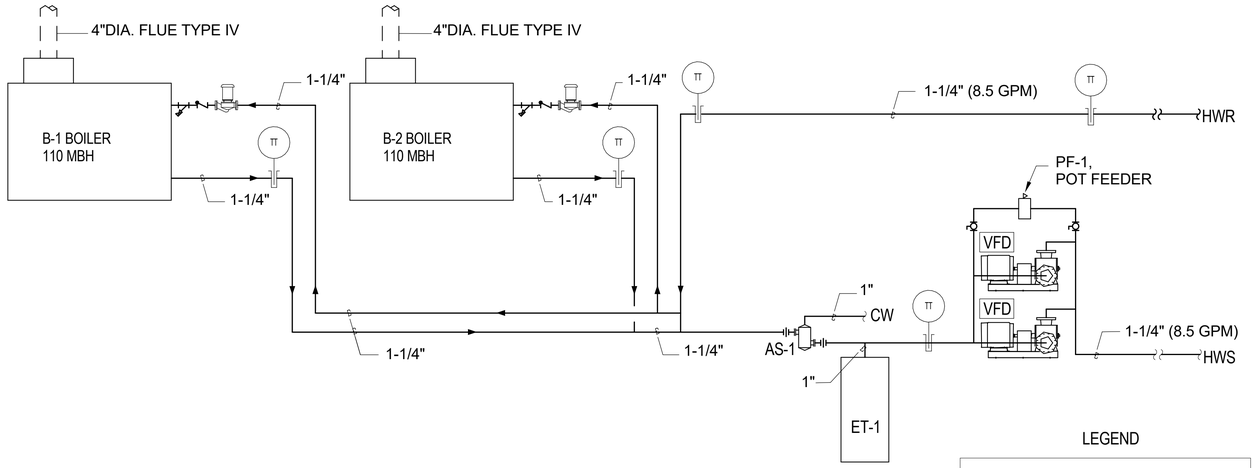


SEQUENCE OF OPERATIONS

HEATING WATER SYSTEM

GENERAL
THE HEATING WATER SYSTEM SHALL BE CONFIGURED AS A PRIMARY/SECONDARY SYSTEM. THE SYSTEM SHALL CONSIST OF TWO BOILERS, TWO PRIMARY PUMPS,AND TWO SECONDARY PUMPS WITH VFD'S. THE HEATING WATER SYSTEM SHALL BE ENABLED ANYTIME THERE IS A CALL FOR HEAT BY ANY OF THE BUILDING SYSTEMS.

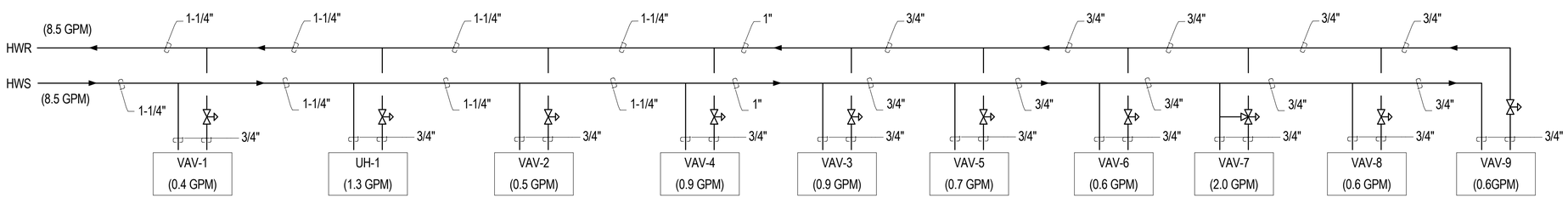
BOILER CONTROL
THE BOILERS SHALL BE CONTROLLED IN A LEAD/LAG CONFIGURATION. THE DDC SHALL START THE LEAD BOILER ANYTIME THE HOT WATER SYSTEM IS ENABLED OR IF THE PRIMARY HOT WATER RETURN TEMPERATURE FALLS BELOW 140 DEGREES F (ADJ). THE DDC SHALL START THE LAG BOILER IF THE PRIMARY HOT WATER SUPPLY TEMPERATURE IS LESS THAN THE SECONDARY HOT WATER SUPPLY TEMPERATURE SETPOINT OR IF THE PRIMARY HOT WATER RETURN TEMPERATURE IS LESS THAN 140 DEGREES F (ADJ) FOR 4 MINUTES. THE DDC SHALL STOP THE LAG BOILER IF THE PRIMARY HOT WATER SUPPLY TEMPERATURE IS 8 DEGREES (ADJ) ABOVE THE SECONDARY HOT WATER SUPPLY TEMPERATURE SETPOINT OR IF THE PRIMARY HOT WATER RETURN TEMPERATURE IS ABOVE 150 DEGREES F (ADJ) FOR 5 MINUTES. THE DDC SHALL MONITOR THE ALARM STATUS OF THE BOILERS. IF A FAILURE IS DETECTED IN THE LEAD BOILER, THE LAG BOILER SHALL AUTOMATICALLY START AND AN ALARM SHALL BE INITIATED BY THE DDC. THE BOILERS SHALL BE ROTATED MONTHLY.

PRIMARY PUMP CONTROL
EACH BOILER PRIMARY PUMP SHALL OPERATE ANYTIME THE ASSOCIATED BOILER IS STARTED. THE STATUS OF EACH PUMP SHALL BE MONITORED BY THE DDC THROUGH A CURRENT SWITCH ON THE MOTOR. IF A PUMP FAILURE IS DETECTED IN THE LEAD BOILER PUMP, THE DDC SHALL STOP THE ASSOCIATED BOILER, START THE LAG PUMP AND LAG BOILER, AND INITIATE AN ALARM. THE DDC SHALL CONTINUE TO OPERATE THE PRIMARY PUMP FOR A PERIOD OF ONE MINUTE AFTER THE FCS STOPS THE ASSOCIATED BOILER.

SECONDARY LOOP TEMPERATURE CONTROL
THE DDC SHALL RESET THE HOT WATER SUPPLY TEMPERATURE SETPOINT AT 5 (ADJ) DEGREES PER 5 (ADJ) MINUTE INTERVALS FROM 180 DEGREES F (ADJ) TO 140 DEGREES F (ADJ) FOR THE SECONDARY LOOP BASED ON THE DEMAND OF THE CONNECTED LOADS SO THAT ONE HOT WATER VALVE IS 90 PERCENT OPEN AND STILL MAINTAINING THE SUPPLY AIR TEMPERATURE SETPOINT OR SPACE TEMPERATURE SETPOINT. IF ONE OR MORE VALVES IS OPEN 100% AND CANNOT MAINTAIN SETPOINT, THE BOILER SHALL RESET THE HOT WATER SUPPLY AT 5 (ADJ) DEGREES PER 5 (ADJ) MINUTE INTERVALS FROM 140 DEGREES F (ADJ) TO 180 DEGREES F (ADJ).

SECONDARY PUMPS WITH VFD CONTROL
THE SECONDARY PUMPS SHALL OPERATE IN A LEAD/LAG CONFIGURATION. THE LEAD PUMP SHALL OPERATE ANYTIME THE HOT WATER SYSTEM IS ENABLED. THE DDC SHALL MODULATE THE SPEED OF THE PUMPS TO MAINTAIN THE SECONDARY HOT WATER SYSTEM DIFFERENTIAL PRESSURE. IF THE SPEED OF THE LEAD PUMP REACHES 100% AND THE DIFFERENTIAL PRESSURE CANNOT BE MAINTAINED FOR 5 (ADJ) MINUTES CONTINUOUS , THE DDC SHALL START THE LAG PUMP AND MODULATE BOTH PUMPS TOGETHER. WITH BOTH PUMPS OPRATING, IF THE SPEED OF THE PUMPS FALLS BELOW 40%, FOR 5 (ADJ) MINUTES CONTINUOUS, THE DDC SHALL STOP THE LAG PUMP. THE DDC SHALL MONITOR THE STATUS OF EACH PUMP THROUGH A SET OF CONTACTS IN THE VFD AS WELL AS THROUGH THE FLN NETWORK CONNECTION. IF A FAILURE IS DETECTED IN THE LEAD PUMP, THE LAG PUMP SHALL AUTOMATICALLY START AND AN ALARM SHALL BE INITIATED BY THE DDC. THE PUMPS SHALL BE ROTATED MONTHLY. THE DIFFERENTIAL PRESSURE SETPOINTS SHALL BE SET BY THE TEST AND BALANCE CONTRACTOR.

BOILER SHUTDOWN SYSTEM
A BOILER SHUTDOWN SWITCH LOCATED AT THE DOOR TO THE BOILER ROOM SHALL SHUTDOWN THE BOILERS IF ACTIVATED. THE DDC SHALL MONITOR THE STATUS OF THE SWITCHES. IF THE SWITCHES ARE ACTIVATED THE DDC SHALL SHUTDOWN ALL PUMPS AND FANS IN THE MECHANICAL ROOM AND INITIATE AN ALARM.



A1 HEATING WATER FLOW DIAGRAM
SCALE: NTS

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ARIEL D. NEPHEW NEW MEXICO 27962 PROFESSIONAL ENGINEER 09/25/25

SANDOVAL COUNTY • STATE OF NEW MEXICO

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SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

Owner

PROJECT NO.: -
DRAWN BY:
REVIEWED BY:
APPROVED BY:

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
0	9/23/2025	100% CD SUBMITTAL

MECHANICAL PIPING

M-701

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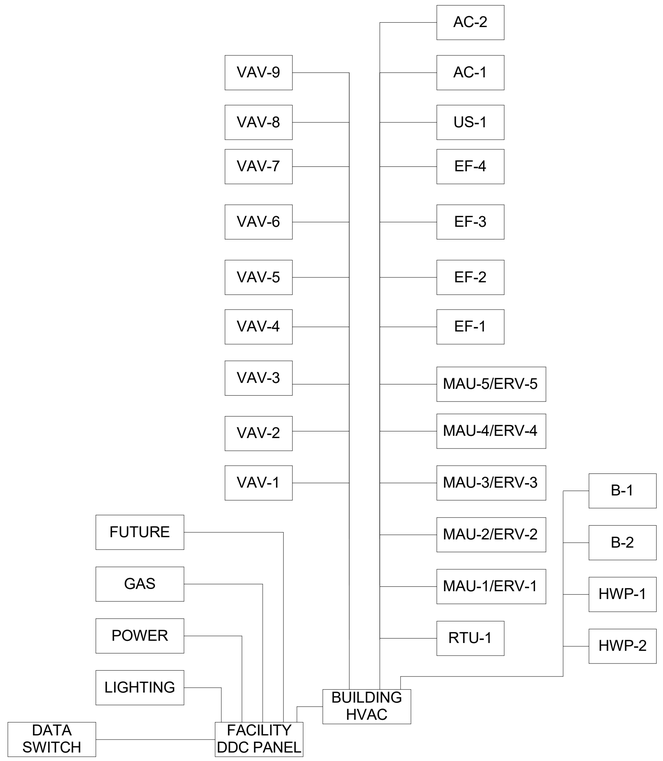


DDC ARCHITECTURE DIAGRAM

RESTROOM EXHAUST SYSTEM (EF-1,2)

FAN CONTROL:
THE DDC SHALL OPERATE THE FAN BASED ON AN OCCUPANCY SCHEDULE PROGRAMMED INTO THE DDC. THE FAN SHALL OPERATE CONTINUOUSLY DURING OCCUPIED PERIODS.

FAN MONITORING:
THE DDC SHALL MONITOR THE STATUS OF THE FAN THROUGH A CURRENT SWITCH INSTALLED ON THE MOTOR. IF A FAN FAILURE IS DETECTED, THE DDC SHALL INITIATE AN ALARM.

BUILDING DOMESTIC HOT WATER PUMP:
THE DDC SHALL OPERATE THE PUMP BASED ON AN OCCUPANCY SCHEDULE PROGRAMMED INTO THE DDC. THE PUMP SHALL OPERATE CONTINUOUSLY DURING OCCUPIED PERIODS. THE DDC SHALL MONITOR THE STATUS OF THE PUMP THROUGH A CURRENT SWITCH INSTALLED ON THE MOTOR. IF A PUMP FAILURE IS DETECTED, THE DDC SHALL INITIATE AN ALARM.

SPLIT D/X FAN COIL UNIT (AC-1, AC-2):

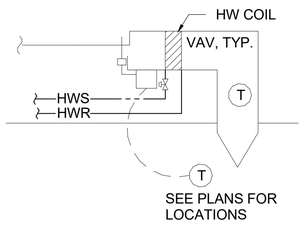
THE FAN COIL UNIT SHALL INITIATE COOLING TO MAINTAIN THE SPACE TEMPERATURE AT A COOLING SETPOINT OF 75 °F (ADJUSTABLE). THE FAN SHALL ONLY OPERATE WHEN COOLING IS NEEDED BY THE SPACE. THE DDC SHALL MONITOR THE STATUS OF THE FAN THROUGH A CURRENT SWITCH. IF A FAN FAILURE IS DETECTED, THE DDC SHALL INITIATE AN ALARM.

AIR HANDLING UNITS (VAV): RTU-1
GENERAL : ALL ELECTRONIC COMPONENTS. CONTRACTOR SHALL PROVIDE ALL POINTS AND HARDWARE NEEDED TO SATISFY SEQUENCES AND DEVICES.
24V WIRING AND CONDUIT : ALL BY CONTROLS CONTRACTOR, REGARDLESS OF LOCATION OF DEVICES.
CONTROL DAMPERS : ALL DAMPERS SHALL BE BELIMO OR EQUAL. DAMPERS NOT PART OF THE RTU PACKAGE SHALL BE PROVIDED BY MECHANICAL CONTRACTOR.
COMPATIBILITY : SYSTEM SHALL BE COMPATIBLE WITH DDC.
ADJUSTABILITY : ALL PARAMETERS SHALL BE ADJUSTABLE. DISCHARGE AIR SHALL BE RESET BASED ON THE ZONE DEMAND AND THE RETURN AIR TEMPERATURE SENSORS. ALLOW FOR PRIORITIZATION OF THE SENSORS.
SCHEDULE OF OPERATION : THE FULL YEAR OCCUPIED AND UNOCCUPIED TIMES OF OPERATION SHALL BE PROGRAMMED AT SYSTEM STARTUP. REQUEST FROM THE OWNER, IN WRITING, THE INFORMATION. MINIMUM SCHEDULING SHALL CONSIST OF:
OCCUPIED PERIODS: MONDAY THROUGH FRIDAY 6 A.M. TO 7. P.M.
UNOCCUPIED PERIODS: ALL OTHER TIMES.
OPTIMUM START OPERATION: PRIOR TO OCCUPANCY, THE DDC PROGRAM SHALL UTILIZE AN OPTIMUM START FUNCTION TO COOL OR HEAT THE SPACE TO DESIRED SET POINT PRIOR TO OCCUPANCY BASED ON WEATHER CONDITIONS AND CURRENT SPACE TEMPERATURE.
GRAPHICS : INTERACTIVE AIR HANDLING UNIT(s) AND BUILDING FLOOR PLAN SHALL BE INCLUDED, BESIDES EQUIPMENT, SUCH AS AIR HANDLING UNIT, HEATING COILS, VAV(s) AND THE FOLLOWING: PRESSURE SENSORS, TEMPERATURE SENSORS, ETC.
FANS/SYSTEM START AND SHUTDOWN: RUN AS SCHEDULED AT THE DDC.

OUTDOOR AIR : APPLICABLE TO OCCUPIED PERIODS. OUTDOOR AIR DAMPER TO BE FULLY CLOSED DURING UNOCCUPIED PERIODS. OUTDOOR AIR CO2 MIN., OUTDOOR AIR CO2 MAX., OUTDOOR AIR/ECONOMIZER MODE. SEE SCHEDULE.

ECONOMIZER (INTERNALLY CONTROLLED BY RTU): OUTDOOR AIR DAMPER OPERATION SHALL BE OVERRIDDEN BY ECONOMIZER CONTROLS. MECHANICAL COOLING SHALL BE LOCKED OUT DURING ECONOMIZER OPERATION. NOTE: FACTORY INSTALLED MECHANICAL RETURN AIR TEMPERATURE SENSOR SHALL BE REMOVED OR DISCONNECTED.

- WHEN TEMPERATURE OF OUTDOOR AIR IS LOWER THAN RETURN AIR TEMPERATURE, MODULATE OUTDOOR AIR DAMPER OPEN TO MAINTAIN SUPPLY TEMPERATURE.
- WHEN OUTSIDE AIR TEMPERATURE IS GREATER THAN THE RETURN AIR TEMPERATURE THE OUTSIDE AIR DAMPER WILL RETURN TO MINIMUM CO2 POSITION AND USE MECHANICAL COOLING.
- OUTDOOR AIR DAMPER IS FULLY CLOSED DURING UNOCCUPIED PERIODS UNLESS NIGHT SETBACK TEMPERATURE CALLS FOR COOLING THEN EITHER ECONOMIZER OR MECHANICAL COOLING SHALL TAKE PLACE.
- ECONOMIZER MODE SHALL HAVE A LOCKED OUT SETPOINT OF 45°F OR LOWER AND 65°F OR HIGHER (ADJUSTABLE).



TYPICAL VAV TERMINAL UNIT DIAGRAM:

VAV TERMINAL UNITS:

1. UNITS SHALL BE PRESSURE INDEPENDENT.
2. COOLING: ROOM SENSOR MODULATES DAMPER TO MAINTAIN TEMPERATURE.
3. HEATING: THROUGH THE DDC, SCHEDULE UNIT(S) FOR OPTIMUM START. THE VAV SHALL INITIATE IN FULL HEAT MODE FOR WARM-UP. VAV CLOSES TO MINIMUM CFM POSITION. HOT WATER VALVE MODULATES TO MAINTAIN ROOM TEMPERATURE.
4. DISCHARGE TEMPERATURE: MONITOR DISCHARGE TEMPERATURE OF UNITS WITH HEATING COILS.
5. SEE SCHEDULES FOR 2-WAY CONTROL VALVES. SEE DETAIL A1/ M-502
6. UNOCCUPIED PERIODS: HEATING MODE ONLY, PROVIDED CENTRAL UNIT OPERATES.

SUPPLY AIR FAN :
RTU-1 MODULATE VFD TO SATISFY THE MOST DEMANDING DUCT PRESSURE SENSOR SHOWN ON THE PLANS.
SPACE TEMPERATURE: PROVIDE TEMPERATURE SETTING FROM DDC (ADJUSTABLE, 78°F FOR COOLING, 68°F FOR HEATING).
HEATING: THE GAS FIRED HEATING SHALL MODULATE TO MAINTAIN DISCHARGE AIR TEMPERATURE. A MINIMUM OF 85F - 95F.
COOLING: MODULATES TO MAINTAIN DDC SET SUPPLY AIR TEMPERATURE (55°F). NO SIMULTANEOUS COOLING AND HEATING SHALL TAKE PLACE.
UNOCCUPIED PERIODS: RUN UNIT IF TEMPERATURE IN ANY SPACE OF THE SYSTEM FALLS BELOW 55F. MAINTAIN OUTDOOR AIR DAMPER FULLY CLOSED AND RETURN DAMPER FULLY OPEN.
WINTER MORNING WARM-UP: RUN ROOFTOP UNIT AND VAV BOXES AT FULL FLOW AND FULL HEAT WITH OUTSIDE AIR DAMPER CLOSED.
SUMMER NIGHT FREE PRECOOLING: IF THE OUTDOOR TEMPERATURE IS BELOW THE RETURN AIR TEMPERATURE, PROVIDE 100% OUTDOOR AIR VENTILATION. HEATING AND MECHANICAL COOLING SHALL BE OFF.
COMPATIBILITY: PROVIDE HARDWARE COMPATIBLE WITH THE DDC SYSTEM.
DDC READING FROM FACTORY CONTROLS :

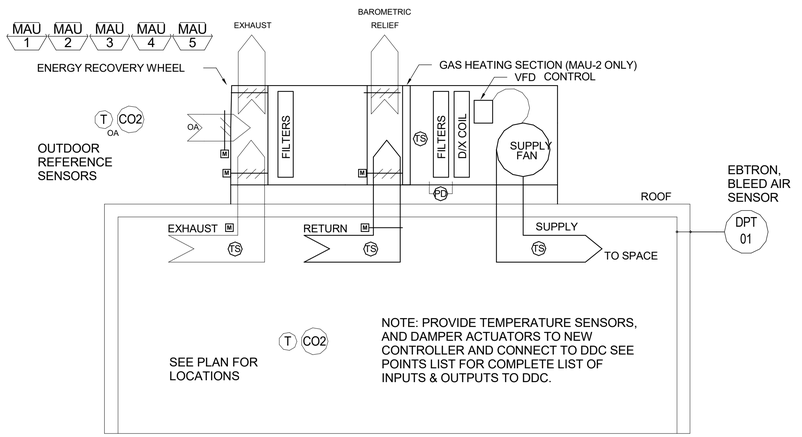
- STATUS: COMPRESSORS, SUPPLY FAN, ALL DAMPER POSITIONS, SUPPLY AIR TEMPERATURE, RETURN AIR TEMPERATURE, OUTDOOR AIR TEMPERATURE, VARIABLE FREQUENCY DRIVE (VFD) STATUS AND CURRENT POSITION.

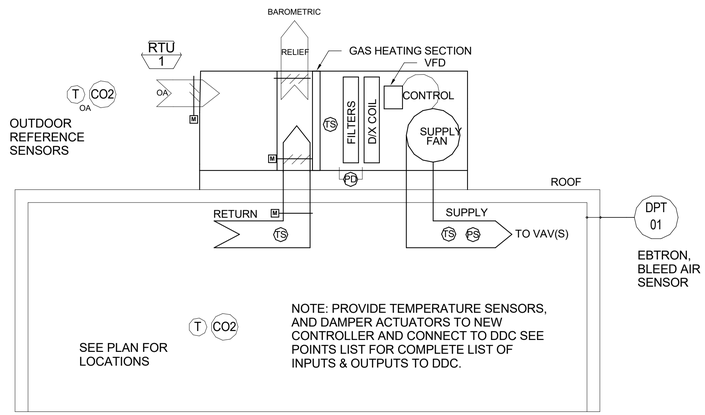
SAFETIES AND ALARMS :

- SUPPLY SMOKE DETECTION: UNIT SHALL BE SHUTDOWN VIA SHUNT TRIP HARDWIRE.
- FILTER DIFFERENTIAL PRESSURE ALARM
- COOLING FAILURE
- FAN FAILURE

FREEZE PROTECTION (INTERNALLY CONTROLLED BY RTU) :

- IF SUPPLY AIR TEMPERATURE DROPS BELOW 35F (ADJ.): CLOSE OUTSIDE AIR DAMPER AND INITIATE HEATING AND RAMP UP TO 100%.





MAKE UP AIR UNITS: MAU-1 THRU MAU-5

GENERAL : ALL ELECTRONIC COMPONENTS. CONTRACTOR SHALL PROVIDE ALL POINTS AND HARDWARE NEEDED TO SATISFY SEQUENCES AND DEVICES.
24V WIRING AND CONDUIT : ALL BY CONTROLS CONTRACTOR, REGARDLESS OF LOCATION OF DEVICES.
CONTROL DAMPERS : ALL DAMPERS SHALL BE BELIMO OR EQUAL. DAMPERS NOT PART OF THE RTU PACKAGE SHALL BE PROVIDED BY MECHANICAL CONTRACTOR.
COMPATIBILITY : SYSTEM SHALL BE COMPATIBLE WITH DDC.
ADJUSTABILITY : ALL PARAMETERS SHALL BE ADJUSTABLE. DISCHARGE AIR SHALL BE RESET BASED ON THE ZONE DEMAND AND THE RETURN AIR TEMPERATURE SENSORS. ALLOW FOR PRIORITIZATION OF THE SENSORS.
SCHEDULE OF OPERATION : THE FULL YEAR OCCUPIED TIMES OF OPERATION SHALL BE PROGRAMMED AT SYSTEM STARTUP. REQUEST FROM THE OWNER, IN WRITING, THE INFORMATION. MINIMUM SCHEDULING SHALL CONSIST OF:
OCCUPIED PERIODS: 24 HOURS, 7 DAYS A WEEK (ADJ.)

SUPPLY AIR FAN :
MAU-1 THRU MAU-5 TO SATISFY THE MOST DEMANDING DUCT PRESSURE SENSOR SHOWN ON THE PLANS.
SPACE TEMPERATURE: PROVIDE TEMPERATURE SETTING FROM DDC (ADJUSTABLE, 78°F FOR COOLING, 68°F FOR HEATING).
HEATING: THE GAS FIRED HEATING SHALL MODULATE TO MAINTAIN DISCHARGE AIR TEMPERATURE A MINIMUM OF 85°F - 95°F.
COOLING: MODULATES TO MAINTAIN DDC SET SUPPLY AIR TEMPERATURE (55°F). NO SIMULTANEOUS COOLING AND HEATING SHALL TAKE PLACE.
DDC READING FROM FACTORY CONTROLS :

- STATUS: COMPRESSORS, SUPPLY FAN, ALL DAMPER POSITIONS, SUPPLY AIR TEMPERATURE, RETURN AIR TEMPERATURE, OUTDOOR AIR TEMPERATURE, VARIABLE FREQUENCY DRIVE (VFD) STATUS AND CURRENT POSITION.

SAFETIES AND ALARMS :

- SUPPLY SMOKE DETECTION: UNIT SHALL BE SHUTDOWN VIA SHUNT TRIP HARDWIRE.
- FILTER DIFFERENTIAL PRESSURE ALARM
- COOLING FAILURE
- FAN FAILURE

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ARIEL D. NEPHEW NEW MEXICO 27962 09/25/25 PROFESSIONAL ENGINEER

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

Owner

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REVIEWED BY:
APPROVED BY:

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MECHANICAL CONTROLS DIAGRAM

M-702

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POWER SYMBOL LEGEND :

	PANEL AS NOTED
	FUSED DISCONNECT SWITCH
	DISCONNECT SWITCH
	DUPLEX RECEPTACLE 18" AFF UNLESS NOTED
D	DEDICATED CIRCUIT DUPLEX RECEPTACLE 18" AFF UNLESS NOTED
	DOUBLE DUPLEX RECEPTACLE 18" AFF UNLESS NOTED
GFI	DUPLEX RECEPTACLE, GROUND FAULT INTERRUPTER
GFI WP	DUPLEX RECEPTACLE, GROUND FAULT INTERRUPTER, WEATHERPROOF
	DOUBLE DUPLEX RECEPTACLE - UPS EMERGENCY POWERED
	DUPLEX RECEPTACLE - UPS EMERGENCY POWERED
S	DUPLEX RECEPTACLE - SWITCHED ONE SIDE
	208/1P RECEPTACLE, 18" AFF UNLESS NOTED.
T	TRANSFORMER
J	JUNCTION BOX
T	THERMOSTAT
M	METER
J EV	ELECTRIC VEHICLE CHARGER
	WALL MOUNTED ADA BUTTON
	PEDESTAL MOUNTED ADA BUTTON

LIGHTING SYMBOL LEGEND :

	2x4 LED
	2x4 LED WITH EMERGENCY BATTERY
	LED STRIP
	LED STRIP WITH EMERGENCY BATTERY
	6" LED CAN
X	X: COMBINATION EXIT SIGN/ EMERGENCY LIGHT WITH BATTERY PACK. SHADED AREA DENOTES ILLUMINATED FACE
X	X: COMBINATION EXIT SIGN/ EMERGENCY LIGHT WITH BATTERY PACK. SHADED AREA DENOTES ILLUMINATED FACE
	LED EXTERIOR WALL PACK PHOTO CELL ON/OFF
	LED EXTERIOR POLE PHOTO CELL ON/OFF
$	TOGGLE SWITCH, 42" AFF UNO.
$D	DIMMING SWITCH, 42" AFF UNO.
$3	SWITCHING, 3-WAY, 42" AFF UNO.
$OS	WALL MOUNT OCCUPANCY SENSOR SWITCH, 42" AFF UNO.
OS	OCCUPANCY SENSOR; ULTRASONIC AND INFRARED

SITE SYMBOL LEGEND :

—UGE—	NEW UNDERGROUND ELECTRIC POWER
—OHE—	NEW OVERHEAD ELECTRIC POWER
— C —	COMM LINE
—UGC—	UNDERGROUND COMM LINES
PDS	PROTECTED DISTRIBUTION SYSTEM
—UFO—	UNDERGROUND FIBER OPTIC
- -UGE- -	EXISTING UNDERGROUND ELECTRIC POWER
- -OHE- -	EXISTING OVERHEAD ELECTRIC POWER
- -EUC- -	EXISTING UNDERGROUND COMM. LINE

LIGHTNING PROTECTION SYMBOL LEGEND:

	LIGHTNING PROTECTION TEST WELL
•	AIR TERMINAL
— CU —	COPPER LIGHTNING PROTECTION CONDUCTOR
— AL —	ALUMINUM LIGHTNING PROTECTION CONDUCTOR
- - CU - -	COPPER LIGHTNING PROTECTION COUNTERPOISE

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JON CHARLES ANTHONY NEW MEXICO 13843 REGISTERED PROFESSIONAL ENGINEER
09/26/25

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ELECTRICAL SYMBOL LEGEND

E-001

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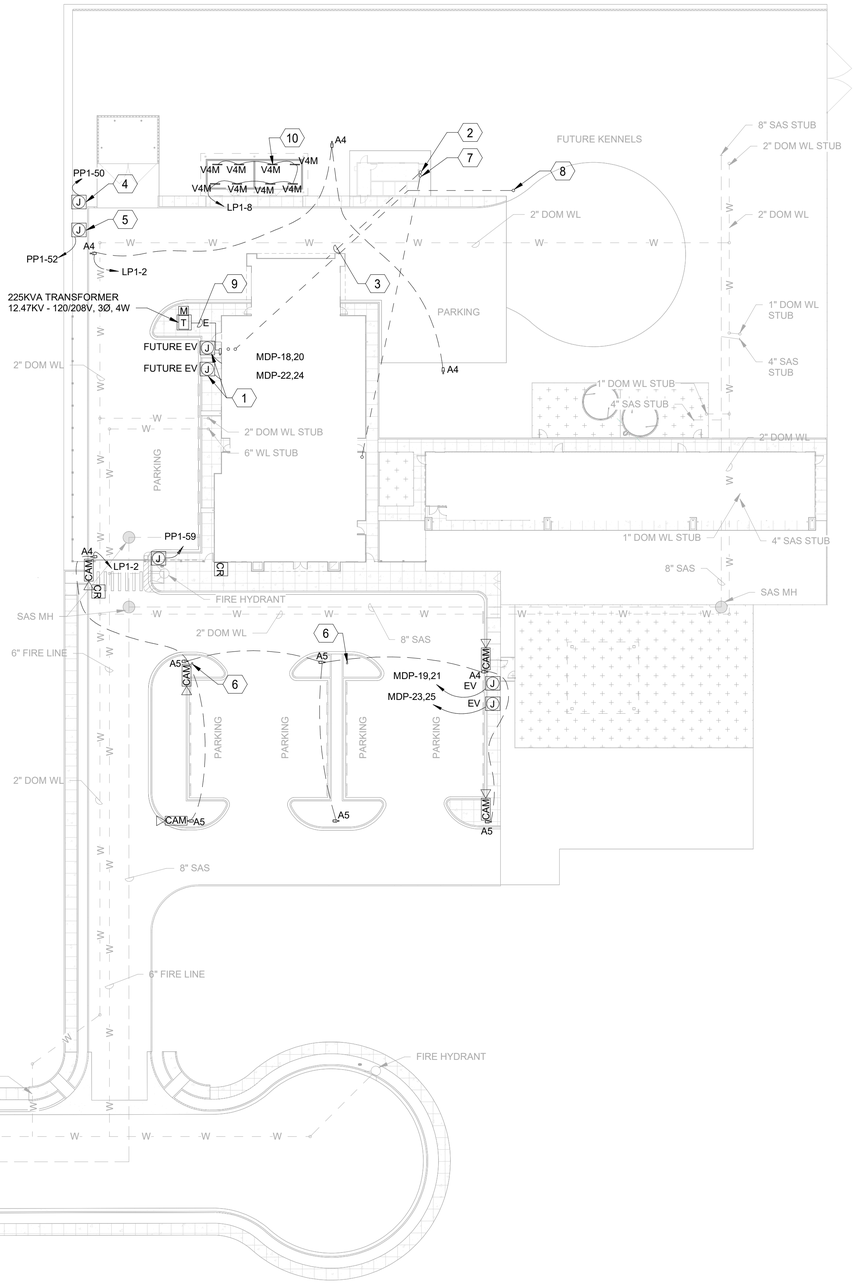

A1 ELECTRICAL SITE PLAN

1" = 30'-0"

PLAN NORTH / TRUE NORTH

0' 15' 30' 60'

SCALE 1" = 30'

GENERAL NOTES

A. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND PROVIDING ALL WORK INDICATED ON THE DRAWINGS, THIS CONSISTS OF FURNISHING ALL LABOR, EQUIPMENT, SUPPLIES, AND MATERIALS IN ADDITION TO PERFORMING ALL OPERATIONS.
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J. MAINTAIN A MINIMUM OF 24 INCH SEPARATION BETWEEN POWER CONDUITS AND SIGNAL CONDUITS AS PRACTICAL. ROUTE CONDUITS TO NOT CROSS EACH OTHER.
K. EXTERIOR LIGHTING TO BE CONTROLLED WITH PHOTOCELL ON/ TIMECLOCK OFF.

KEYED NOTES (X)

1. ROUGH-IN FUTURE EV POWER WITH 1"C WITH PULL STRING.
2. CONTRACTOR TO PROVIDE 1"C STUB FOR POWER CONNECTION TO PORTABLE BUILDING FROM PANEL MDP.
3. 1"C WITH (4) #8, #10G. COORDINATE STUB LOCATION WITH ARCHITECT/OWNER. (TYP. 2)
4. IRRIGATION CONTROLLER. COORDINATE MOUNTING LOCATION WITH IRRIGATION DRAWINGS
5. IRRIGATION HOTBOX. COORDINATE MOUNTING LOCATION WITH IRRIGATION DRAWINGS.
6. CONTRACTOR TO EXTEND 4" C WITH PULLSTRING FOR ROUGH-IN TO CORRDINATE FUTURE PARKING LOT PV SYSTEM.
7. CONTRACTOR TO PROVIDE TWO 1"C STUBS FOR TELECOMM./SECURITY CONNECTION TO PORTABLE BUILDING FROM I.T. ROOM. COORDINATE STUB LOCATIONS WITH ARCHITECT.
8. EXTEND TWO 4"C. WTIH PULLSTRING. CAP CONDUIT FOR FUTURE USE. COORDINATE CONDUIT STUB LOCATIONS WITH ARCHITECT.
9. TWO RUNS EACH OF 3"C. WITH (4)350MCM, #4/0 GND
10. CHAIN MOUNT FIXTURES TO STRUCTUR. COORDINATE MOUNTING WITH STRUCTURAL.

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JON CHARLES ANTHONY
NEW MEXICO
13843
REGISTERED PROFESSIONAL ENGINEER
04/26/25

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

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ELECTRICAL SITE PLAN

ES-101

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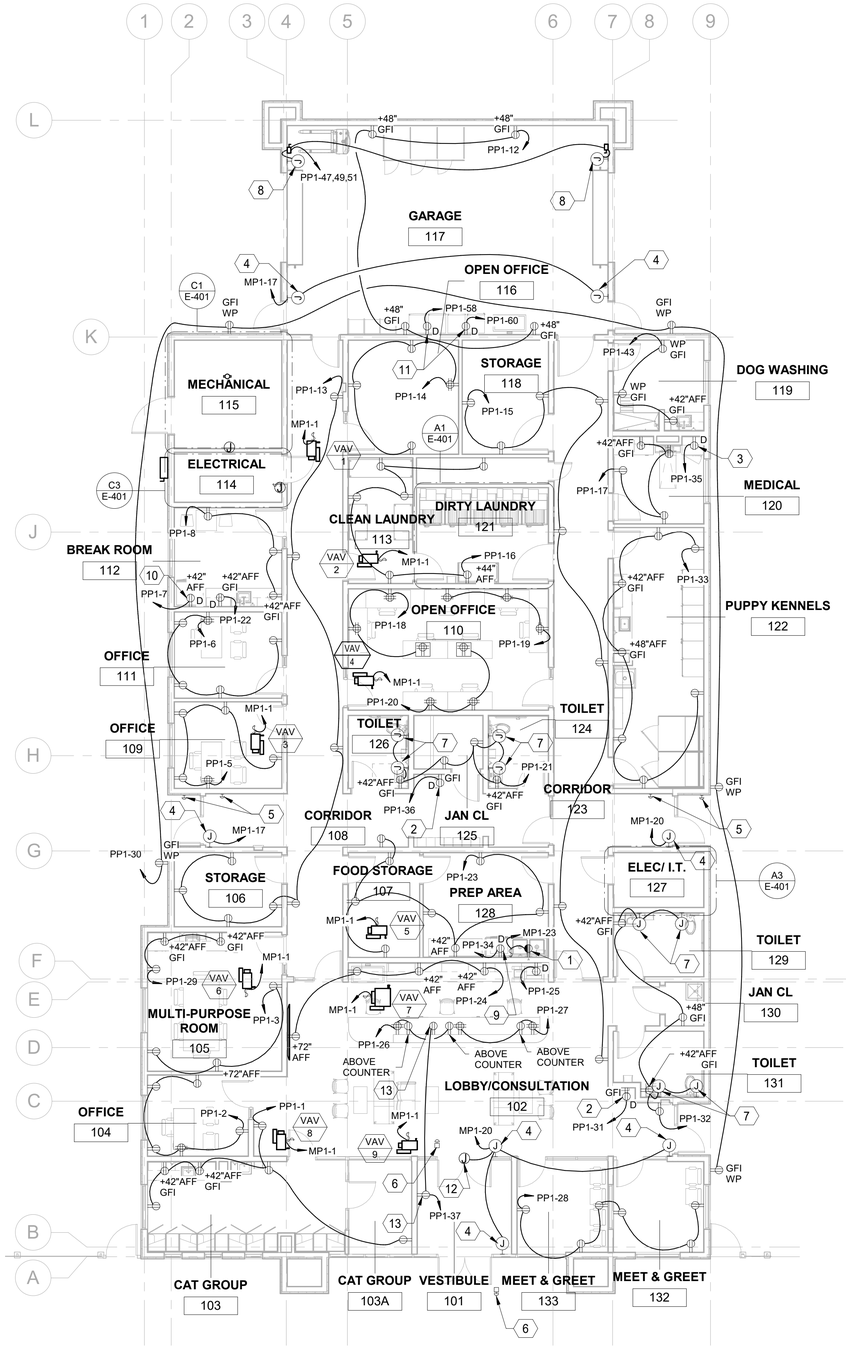

A1 **ELECTRICAL PLAN**
1/8" = 1'-0"

PLAN NORTH / TRUE NORTH

GENERAL NOTES

A. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND PROVIDING ALL WORK INDICATED ON THE DRAWINGS, THIS CONSISTS OF FURNISHING ALL LABOR, EQUIPMENT, SUPPLIES, AND MATERIALS IN ADDITION TO PERFORMING ALL OPERATIONS.
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K. PRIVATE OFFICES, AND OPEN OFFICES SHALL HAVE AT LEAST 50% OF ALL RECEPTACLES BE CONTROLLED FROM A LOAD CONTROLLER THAT OPERATES FROM AN AUTOMATIC CONTROL OCCUPANCY SENSOR.

KEYED NOTES (X)

1. SWITCHED RECEPTACLE FOR GARBAGE DISPOSAL.
2. DEDICATED RECEPTACLE FOR WATER COOLER/ BOTTLE FILLER. COORDINATE ELECTRICAL CONNECTION WITH MANUFACTURER PRIOR TO ROUGH-IN.
3. RECEPTACLE FOR UNDER COUNTER REFRIGERATOR.
4. JUNCTION BOX FOR DOOR POWER. COORDINATE MOUNTING LOCATION WITH DOOR HARDWARE MANUFACTURER.
5. WALL MOUNTED ADA BUTTON.
6. PEDESTAL MOUNTED ADA BUTTON. COORDINATE LOCATION AND REQUIREMENTS WITH ARCHITECT.
7. PLUMBING MOTION SENSOR, SEE PLUMBING SCHEDULE.
8. POWER FOR ROLLUP DOOR. COORDINATE MOUNTING LOCATION WITH DOOR MANUFACTURER PRIOR TO ROUGH-IN.
9. UNDER COUNTER RECEPTACLE FOR DISH WASHER.
10. DEDICATED RECEPTACLE FOR REFRIGERATOR.
11. DEDICATED RECEPTACLE FOR UPRIGHT FREEZERS.
12. JUNCTION BOX PROVIDED FOR MAGLOCK POWER.
13. POWER PROVIDED FOR INTERCOM/CAMERA/ACCESS CONTROL. COORDINATE REQUIREMENTS AND LOCATION WITH ARCHITECT.

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JON CHARLES ANTHONY NEW MEXICO 13843 REGISTERED PROFESSIONAL ENGINEER 09/26/25

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

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ELECTRICAL PLAN

E-101

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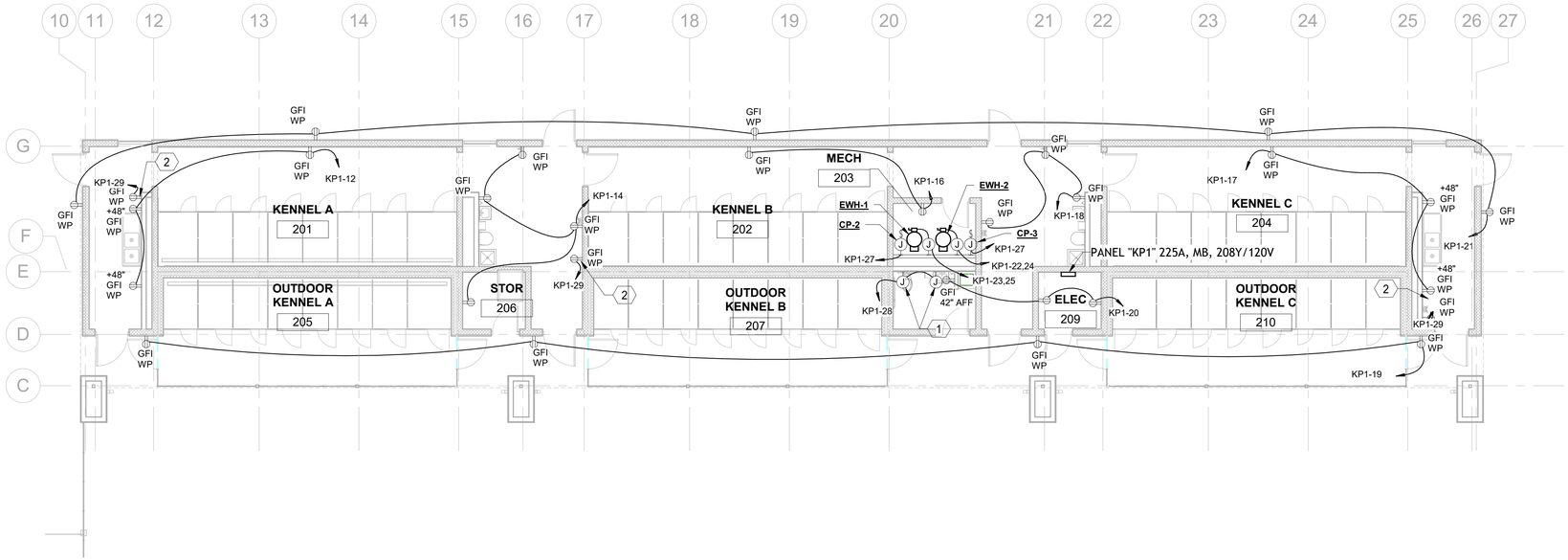

A1 ELECTRICAL KENNEL PLAN

1/8" = 1'-0"

PLAN NORTH / TRUE NORTH

GENERAL NOTES

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KEYED NOTES ⟨X⟩

1. PLUMBING MOTION SENSOR, SEE PLUMBING SCHEDULE.
2. POWER FOR RAINBIRD CONTROLLER. COORDINATE LOCATION AND REQUIREMENTS WITH PLUMBING.

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ELECTRICAL KENNEL PLAN

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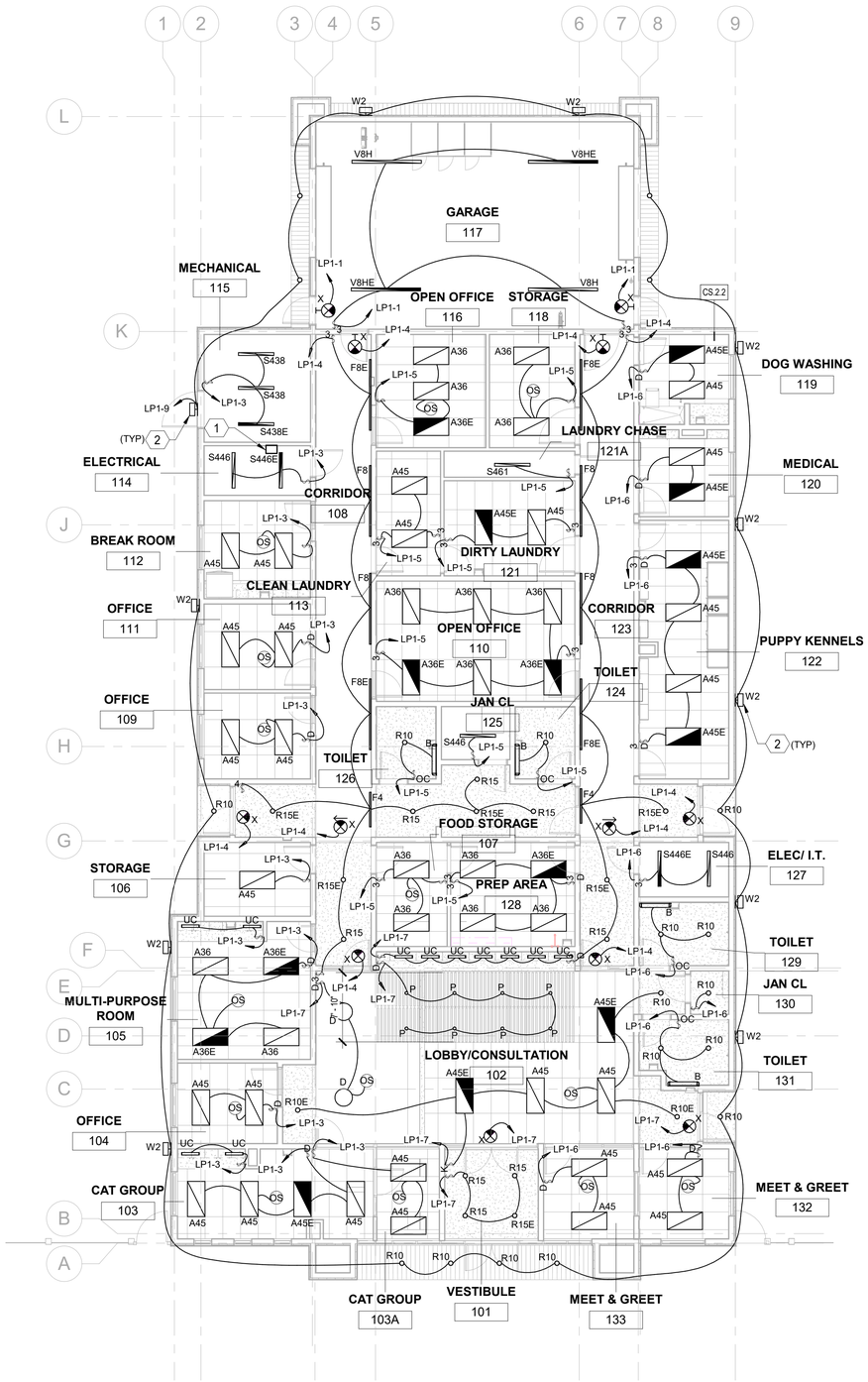

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L. EXTERIOR LIGHTING TO BE CONTROLLED WITH PHOTOCELL ON/ TIMECLOCK OFF.

KEYED NOTES (X)

1. NEW TIMECLOCK FOR EXTERIOR LIGHTING.
2. EXTERIOR LIGHTING FIXTURE MOUNTED AT 10'-0" AFF.

A1 **LIGHTING PLAN**
1/8" = 1'-0"

PLAN NORTH / TRUE NORTH

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LIGHTING PLAN

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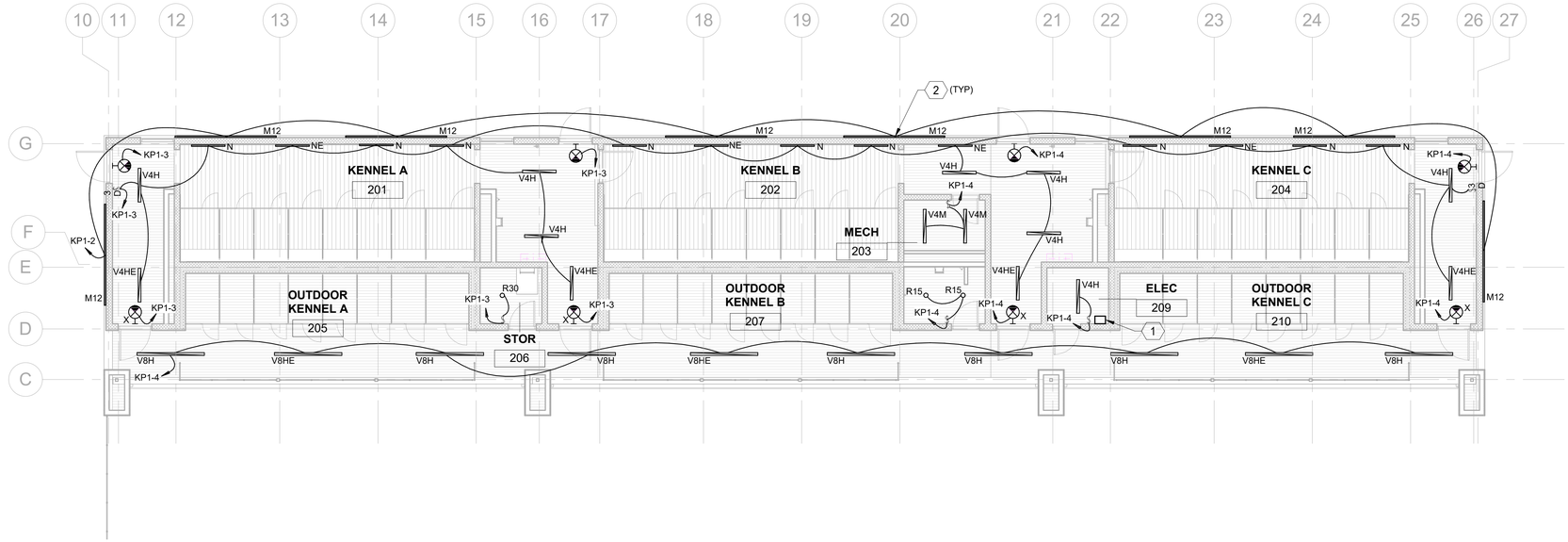

A1 LIGHTING KENNEL PLAN

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PLAN NORTH / TRUE NORTH

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KEYED NOTES (X)

1. NEW TIMECLOCK FOR EXTERIOR LIGHTING.
2. EXTERIOR LIGHTING FIXTURE MOUNTED AT 8'-0" AFF.

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JON CHARLES ANTHONY — NEW MEXICO — 13843 — REGISTERED PROFESSIONAL ENGINEER
04/26/25

SANDOVAL COUNTY • STATE OF NEW MEXICO

SEAL OF THE STATE OF NEW MEXICO • GREAT SEAL • 1912

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

Owner

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REVIEWED BY:
APPROVED BY:

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LIGHTING KENNEL PLAN

E-104

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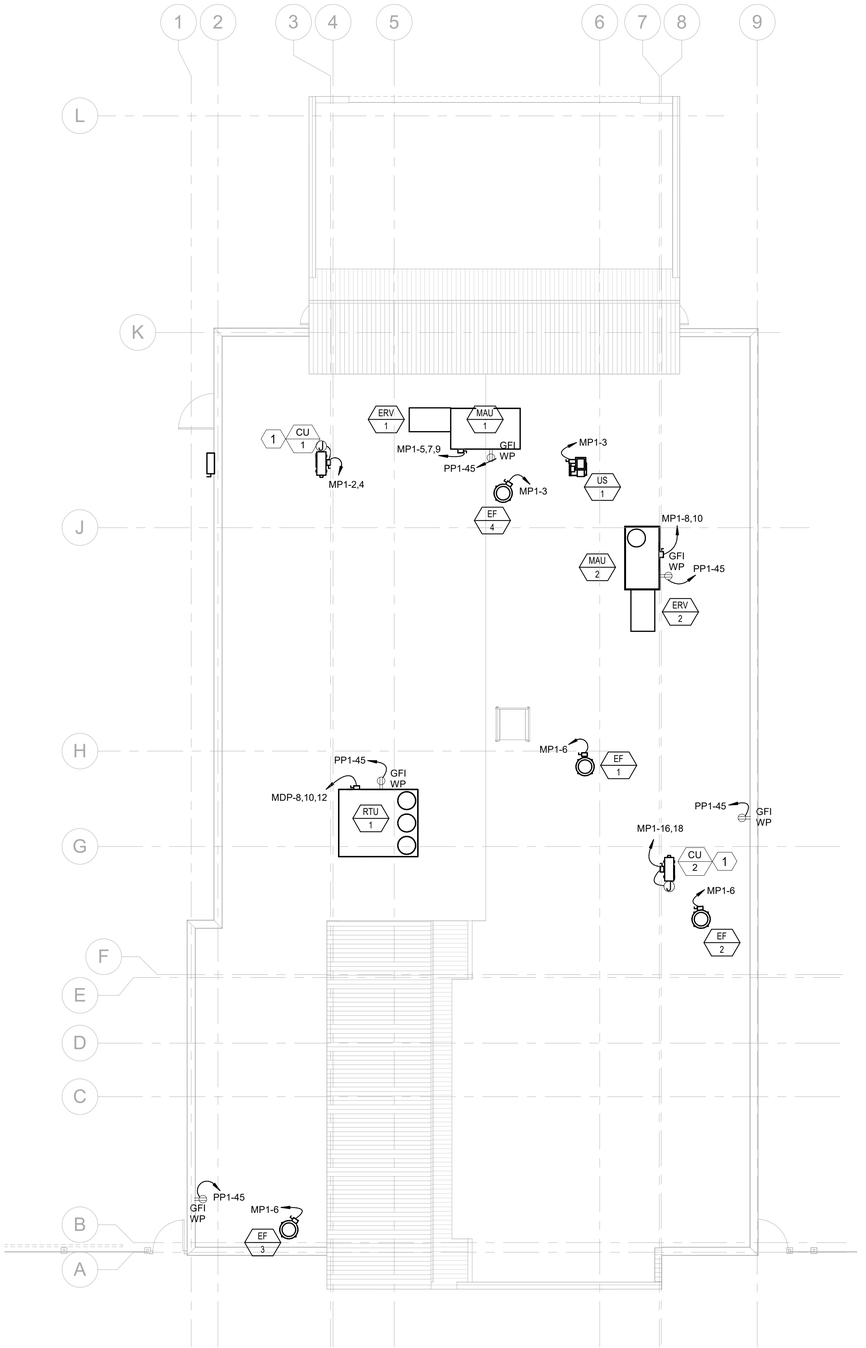

A1 ELECTRICAL ROOF PLAN

1/8" = 1'-0"

PLAN NORTH / TRUE NORTH

GENERAL NOTES

A. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND PROVIDING ALL WORK INDICATED ON THE DRAWINGS, THIS CONSISTS OF FURNISHING ALL LABOR, EQUIPMENT, SUPPLIES, AND MATERIALS IN ADDITION TO PERFORMING ALL OPERATIONS.
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J. MAINTAIN A MINIMUM OF 24 INCH SEPARATION BETWEEN EXTERIOR POWER CONDUITS AND SIGNAL CONDUITS AS PRACTICAL. ROUTE CONDUITS TO NOT CROSS EACH OTHER.
K. PRIVATE OFFICES, AND OPEN OFFICES SHALL HAVE AT LEAST 50% OF ALL RECEPTACLES BE CONTROLLED FROM A LOAD CONTROLLER THAT OPERATES FROM AN AUTOMATIC CONTROL OCCUPANCY SENSOR.

KEYED NOTES (X)

1. INDOOR FANCOIL POWER SUBFED FROM CONDENSING UNIT.

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JON CHARLES ANTHONY
NEW MEXICO
13843
REGISTERED PROFESSIONAL ENGINEER
09/26/25

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

Owner

PROJECT NO.: -
DRAWN BY:
REVIEWED BY:
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ELECTRICAL ROOF PLAN

E-201

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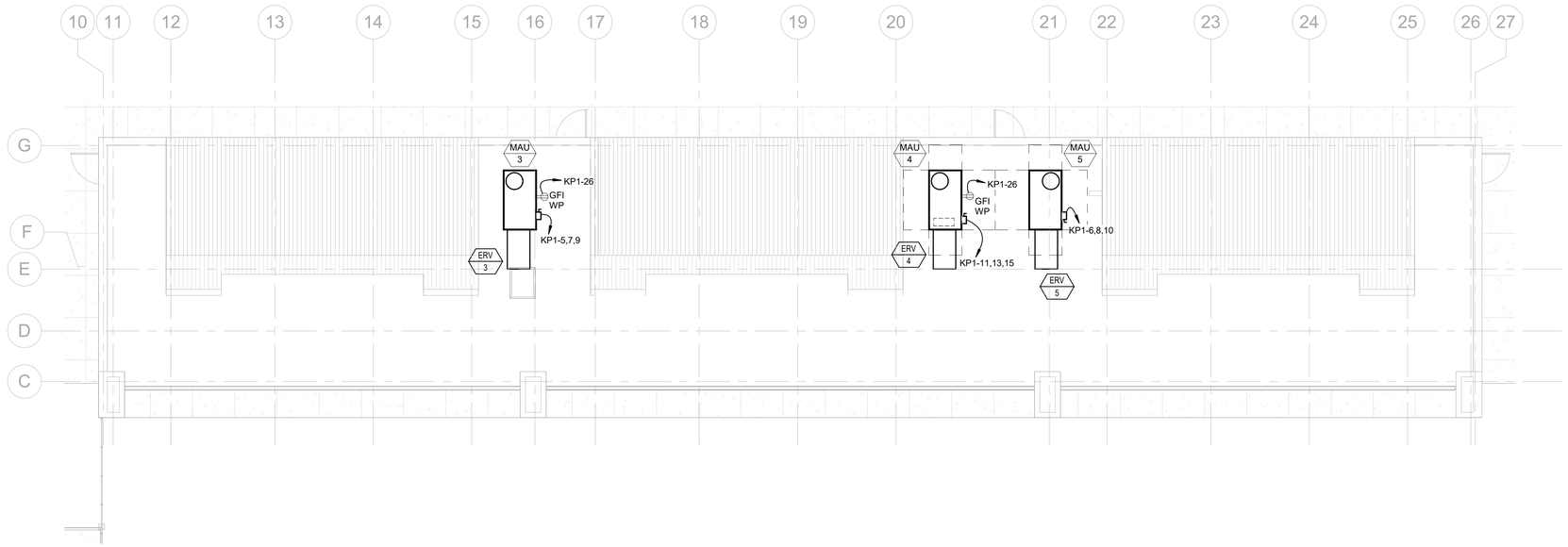

A1 **ELECTRICAL KENNEL ROOF PLAN**
1/8" = 1'-0"

PLAN NORTH
TRUE NORTH

GENERAL NOTES

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JON CHARLES ANTHONY NEW MEXICO 13843 REGISTERED PROFESSIONAL ENGINEER
04/26/25

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

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ELECTRICAL KENNEL ROOF PLAN

E-202

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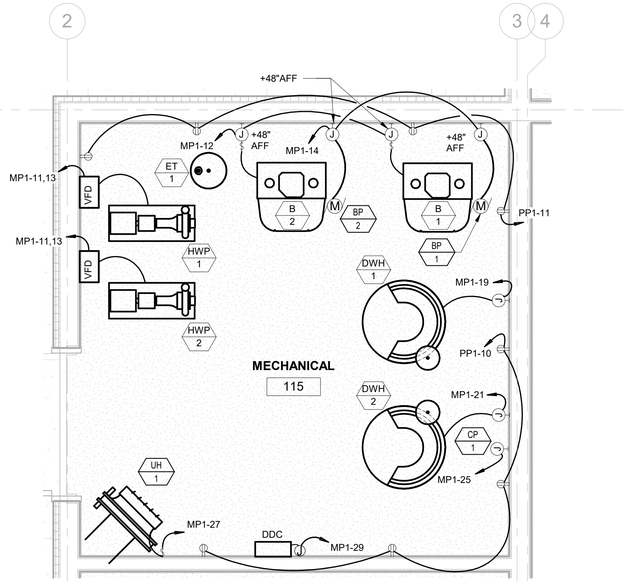
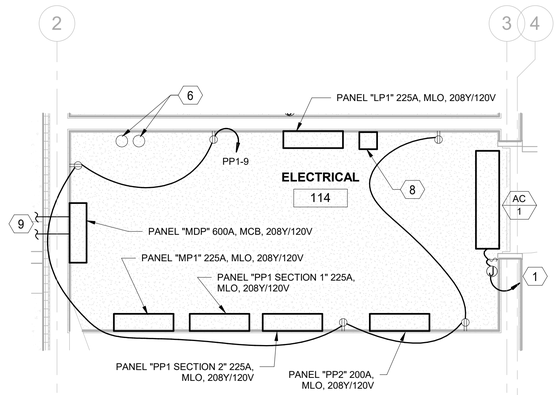


C1 ENLARGED MECHANCIAL ROOM

1/2" = 1'-0"

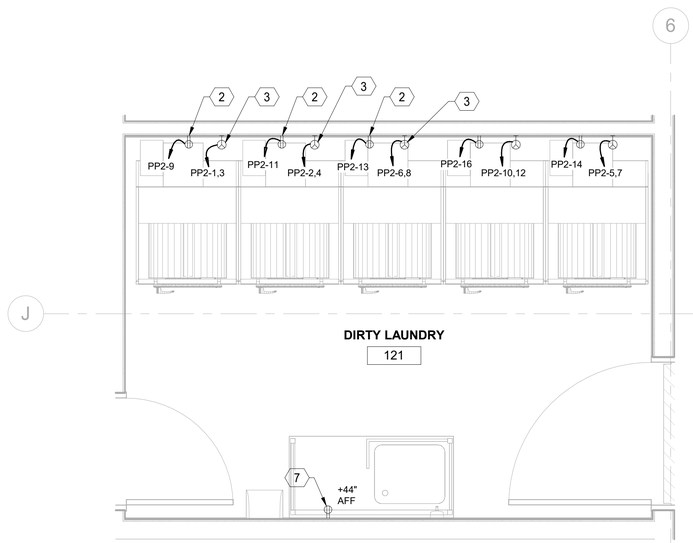
PLAN NORTH TRUE NORTH



C3 ENLARGED ELECTRICAL ROOM 114

1/2" = 1'-0"

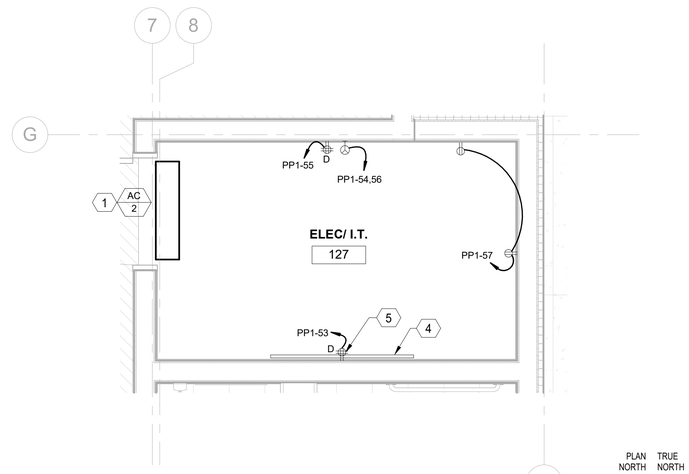
PLAN NORTH TRUE NORTH



A1 ENLARGED DIRTY LAUNDRY ROOM

1/2" = 1'-0"

PLAN NORTH TRUE NORTH



A3 ENLARGED ELECTRICAL ROOM 127

1/2" = 1'-0"

PLAN NORTH TRUE NORTH

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KEYED NOTES (X)

1. AC UNIT IN ELECTRICAL ROOM IS POWERED FROM ROOF MOUNTED CONDENSING UNIT.
2. 120V RECEPTACLE FOR FUTURE WASHER.
3. 208V RECEPTACLE FOR FUTURE DRYER.
4. 4'X8' TELEPHONE PLYWOOD BACKBOARD. 1 HOUR FIRE RATED.
5. DEDICATED FOUR PLEX RECEPTACLE FOR TELEPHONE BACKBOARD.
6. CONTRACTOR TO EXTEND 4" C. WITH PULLSTRING FOR ROUGH-IN TO ACCOMODATE FUTURE PARKING LOT PV SYSTEM.
7. SEE E-101 FOR CKT NUMBER.
8. NEW TIMECLOCK FOR EXTERIOR LIGHTING.
9. TWO RUNS EACH OF 3"C. WITH (4)350MCM, #4/0 GND TO SERVICE TRANSFORMER.

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JON CHARLES ANTHONY NEW MEXICO 13843 REGISTERED PROFESSIONAL ENGINEER 09/26/25

SANDOVAL COUNTY • STATE OF NEW MEXICO

SEAL OF THE STATE OF NEW MEXICO • GREAT SEAL • 1912

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

Owner

PROJECT NO.: -
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REVIEWED BY:
APPROVED BY:

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ENLARGED PLANS

E-401

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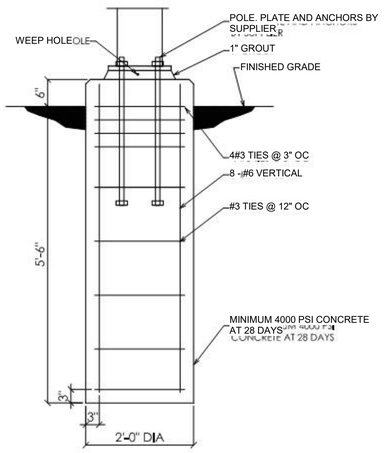
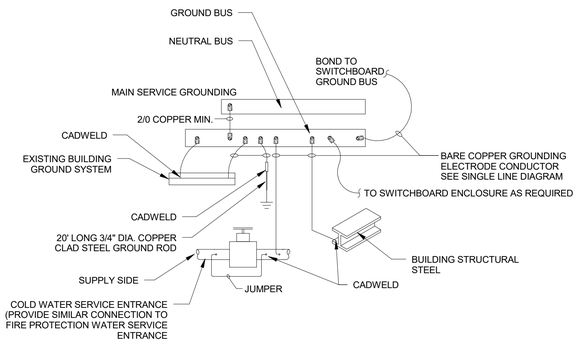
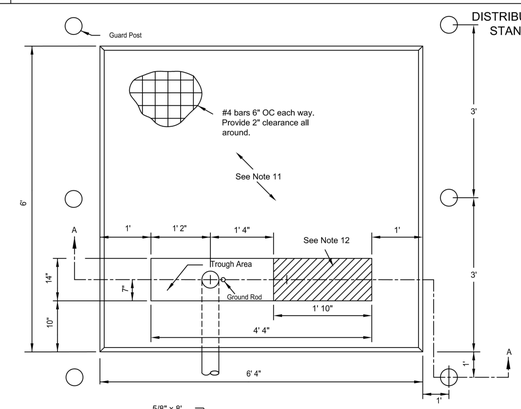


A1 LIGHT POLE FOUNDATION DETAIL
N.T.S.



A2 SERVICE ENTRANCE GROUNDING DETAIL
N.T.S.

REVISION | Modified Note 7



NOTES

(1) No concrete in trough area.
(2) Bring conduits up flush with pad.
(3) Guard posts are required in traffic areas.
(4) Concrete pad shall be 3000 PSI concrete, level within ±1/4" in 5' and troweled finished to provide a true plane within 1/16" in 5' as determined by a 5' straight edge.
(5) Existing grade and back fill under concrete pad shall be compacted to 95% in accordance with ASTM D1557.
(6) If the primary cable is direct buried contact engineer for secondary conduit orientation prior to installation.
(7) Primary duct shall be direct buried rigid galvanized or IMC duct or concrete encased PVC duct. Customer may use schedule 40 rigid PVC minimum duct without concrete encasement provided a minimum 10' rigid galvanized or IMC duct is installed for primary at the horizontal when entering or exiting the vertical elbow at the padmounted equipment. The primary and secondary duct will b furnished and installed by the customer.
(8) Customer shall include a polyethylene pull string with a minimum breaking strength of 210 lbs. in completed ducts for future use by PNM.
(9) Pre-cast concrete pads are available through vendors.
(10) All secondary cables must be tagged with phase and address for tracing reasons. The secondary cables shall be marked no more than 12" above the ducts.
(11) Pad to be 1' thick if poured in place otherwise use 0100005823 for pre-engineered pad.
(12) Minimum of 1'10" x 14" to be maintained for secondary duct area to allow up to 8 - 4" secondary duct.

REFERENCES

(1) See DS-7-16.8 Page 1 and 2 Transformer and Switchgear Pad Foundation Preparation and Inspection
(2) See DS-7-16.10 Guard Post
(3) See DS-7-16.12 Minimum Working Space and Fire Safety requirements for Transformers

75-500 kVA Three-Phase Radial Fed Transformer Pad — DS-7-16.5

Not to Scale — 03/01/21 — E

A4 TRANSFORMER PAD DETAIL
N.T.S.

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JON CHARLES ANTHONY — NEW MEXICO — 13843 — REGISTERED PROFESSIONAL ENGINEER
04/26/25

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

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ELECTRICAL DETAILS

E-501

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(NEW) PANEL "MDP"

VOLTAGE:	120/208V	**FRAME:**	600A FRAME	**MIN AIC RATING:**	22,000	
PHASE:	3 PHASE	**MAIN:**	600A MCB	**CIRCUITS:**	42	
WIRE:	4 WIRE	**ENCLOSURE:**	NEMA 1 DOOR-IN-DOOR	**MOUNTING:**	SURFACE	
FEED:	BOTTOM	**LOCATION:**	ELECTRICAL RM 114			

CKT NO	BKR RTNG	LOAD DESCRIPTION	VA	CONNECTED VA LOAD A	B	C	VA	LOAD DESCRIPTION	BKR RTNG	CKT NO
1			2175	18593			16418			2
3	100A/3	PANEL LP1	1754		17572		15818	PANEL PP1 SEC-1 AND 2	200A/3	4
5			1387			13285	11898			6
7			9117	17763			8646			8
9	225A/3	PANEL MP1	10419		19065		8646	RTU-1	90A/3	10
11			9003			17649	8646			12
13			17035	21335			4300	Kennel Portable	40A/2	14
15	225A/3	PANEL KP1	16011		20311		4300			16
17			17469			21069	3600	Future EV Charger	50A/2	18
19	50A/2	EV Charger	3600	7200			3600			20
21			3600		7200		3600	Future EV Charger	50A/2	22
23	50A/2	EV Charger	3600			7200	3600			24
25			3600	3600				SPARE	20A/1	26
27			22016		22016			SPARE	20A/1	28
29	200A/3	PANEL PP2	17232			17232		SPARE	20A/1	30
31			15792	15792				SPARE	20A/1	32
33	20A/1	SPARE			0			SPARE	20A/1	34
35	-	SPACE				0		SPACE	-	36
37	-	SPACE						SPACE	-	38
39	-	SPACE			0			SPACE	-	40
41	-	SPACE				0		SPACE	-	42
		CONNECTED LOAD (VA) PER PHASE	84283	86164	76435		**246882**	**TOTAL CONNECTED LOAD (VA)**		
							686.1	**TOTAL CONNECTED LOAD (AMPS)**		
							412.2	**TOTAL DEMAND LOAD (AMPS)**		

(NEW) PANEL "MP1"

VOLTAGE:	120/208V	**FRAME:**	225A FRAME	**MIN AIC RATING:**	22,000	
PHASE:	3 PHASE	**MAIN:**	MLO	**CIRCUITS:**	42	
WIRE:	4 WIRE	**ENCLOSURE:**	NEMA 1 DOOR-IN-DOOR	**MOUNTING:**	SURFACE	
FEED:	BOTTOM	**LOCATION:**	ELECTRICAL RM 114			

CKT NO	BKR RTNG	LOAD DESCRIPTION	VA	CONNECTED VA LOAD A	B	C	VA	LOAD DESCRIPTION	BKR RTNG	CKT NO
1	20A/1	VAV 1-9	450	1698			1248	CU-1/ AC-1	20A/2	2
3	20A/1	EF-4, US-1	1212		2460		1248			4
5			3603			4923	1320	EF-1, EF-2, EF-3	20A/1	6
7	40A/3	MAU-1/ ERV-1	3603	5579			1976	MAU-2/ ERV-2	25A/2	8
9			3603		5579		1976			10
11	20A/2	Heating Water Pump HWP-1,2	480			960	480	B-1,2 BOILERS	20A/1	12
13			480	940			460	BP-1,2 BOILER PUMPS	20A/1	14
15	20A/1	SPARE			2080		2080	CU-2/AC-2	30A/2	16
17	20A/1	Powered Door Openers	500			2580	2080			18
19	20A/1	Gas Waterheater DWH-1	120	720			600	Powered Door Openers	20A/1	20
21	20A/1	Gas Waterheater DWH-2	120		120			SPARE	20A/1	22
23	20A/1	Receptacle Garbage Disposer	360			360		SPARE	20A/1	24
25	20A/1	Circulation Pump CP-1	180	180				SPARE	20A/1	26
27	20A/1	Unit Heater UH-1	180		180			SPARE	20A/1	28
29	20A/1	DDC	180			180		SPARE	20A/1	30
31	20A/1	SPARE		0				SPARE	20A/1	32
33	20A/1	SPARE			0			SPARE	20A/1	34
35	-	SPACE				0		SPACE	-	36
37	-	SPACE						SPACE	-	38
39	-	SPACE			0			SPACE	-	40
41	-	SPACE				0		SPACE	-	42
		CONNECTED LOAD (VA) PER PHASE	9117	10419	9003		**28539**	**TOTAL CONNECTED LOAD (VA)**		
							79.3	**TOTAL CONNECTED LOAD (AMPS)**		
							53.1	**TOTAL DEMAND LOAD (AMPS)**		

(NEW) PANEL "LP1"

VOLTAGE:	120/208V	**FRAME:**	225A FRAME	**MIN AIC RATING:**	22,000	
PHASE:	3 PHASE	**MAIN:**	MLO	**CIRCUITS:**	42	
WIRE:	4 WIRE	**ENCLOSURE:**	NEMA 1 DOOR-IN-DOOR	**MOUNTING:**	SURFACE	
FEED:	BOTTOM	**LOCATION:**	ELECTRICAL RM 114			

CKT NO	BKR RTNG	LOAD DESCRIPTION	VA	CONNECTED VA LOAD A	B	C	VA	LOAD DESCRIPTION	BKR RTNG	CKT NO
1	20A/1	Lighting (Garage)	378	1118			740	Site Lighting	20A/1	2
3	20A/1	Lighting Interior	866		1446		580	Lighting Interior (Corridor)	20A/1	4
5	20A/1	Lighting Interior	687			1387	700	Lighting Interior	20A/1	6
7	20A/1	Lighting Interior (Lobby)	529	1057			528	Large Animal Stalls Lighitng	20A/1	8
9	20A/1	Exterior Lighting Main Building	308		308			SPARE	20A/1	10
11	20A/1	SPARE				0		SPARE	20A/1	12
13	20A/1	SPARE		0				SPARE	20A/1	14
15	20A/1	SPARE			0			SPARE	20A/1	16
17	20A/1	SPARE				0		SPARE	20A/1	18
19	20A/1	SPARE		0				SPARE	20A/1	20
21	20A/1	SPARE			0			SPARE	20A/1	22
23	20A/1	SPARE				0		SPARE	20A/1	24
25	20A/1	SPARE		0				SPARE	20A/1	26
27	-	SPACE			0			SPACE	-	28
29	-	SPACE				0		SPACE	-	30
31	-	SPACE		0				SPACE	-	32
33	-	SPACE			0			SPACE	-	34
35	-	SPACE				0		SPACE	-	36
37	-	SPACE						SPACE	-	38
39	-	SPACE			0			SPACE	-	40
41	-	SPACE				0		SPACE	-	42
		CONNECTED LOAD (VA) PER PHASE	2175	1754	1387		**5316**	**TOTAL CONNECTED LOAD (VA)**		
							14.8	**TOTAL CONNECTED LOAD (AMPS)**		
							14.8	**TOTAL DEMAND LOAD (AMPS)**		

(NEW) PANEL "PP1 SECT 1"

VOLTAGE:	120/208V	**FRAME:**	225A FRAME	**MIN AIC RATING:**	22,000	
PHASE:	3 PHASE	**MAIN:**	MLO	**CIRCUITS:**	42	
WIRE:	4 WIRE	**ENCLOSURE:**	NEMA 1 DOOR-IN-DOOR	**MOUNTING:**	SURFACE	
FEED:	BOTTOM	**LOCATION:**	ELECTRICAL RM 114			

CKT NO	BKR RTNG	LOAD DESCRIPTION	VA	CONNECTED VA LOAD A	B	C	VA	LOAD DESCRIPTION	BKR RTNG	CKT NO
1	20A/1	Recept. RM 102,103, 103A	1080	1980			900	Recept Rm 104	20A/1	2
3	20A/1	Recept. Rm 105	540		540			SPARE	20A/1	4
5	20A/1	Recept Rm 109	1080			2160	1080	Recept Rm 111	20A/1	6
7	20A/1	Dedicated Refigerator Recept. Rm 112	800	1340			540	Recept. Rm 112	20A/1	8
9	20A/1	Recept Rm 114	720		1440		720	Recept Rm 115	20A/1	10
11	20A/1	Recept Rm 115	720			1440	720	Recept Rm 117	20A/1	12
13	20A/1	Recept. Rm 106, 108	1440	2340			900	Recept. Rm 116	20A/1	14
15	20A/1	Recept. Rm 118,123	1440		2520		1080	Recept Rm 113, 121	20A/1	16
17	20A/1	Recept. Rm 120	720			1800	1080	Recept Rm 110	20A/1	18
19	20A/1	Recept Rm 110	1080	2160			1080	Recept Rm 110	20A/1	20
21	20A/1	Recept Rm 124, 125, 126	1120		2020		900	Dedicated Recept. Rm 127	20A/1	22
23	20A/1	Recept Rm 107, 126, 128	1440			2160	720	Recept. Rm 102	20A/1	24
25	20A/1	Dedicated Printer Recept. Rm 102	1000	1720			720	Recept. Rm 102	20A/1	26
27	20A/1	Recept Rm 102	900		1980		1080	Recept. Rm 132133	20A/1	28
29	20A/1	Recept. Rm 105	540			1440	900	Exterior Receptacle	20A/1	30
31	20A/1	Dedicated Water Cooler Recept. Rm 102	180	1300			1120	Recept. Rm 102, 129, 130, 131	20A/1	32
33	20A/1	Recept. Rm 122	1260		2160		900	Dishwasher Recept.	20A/1	34
35	20A/1	Dedicated Mini Refigerator Recept. Rm 120	360			540	180	Dedicated Water Cooler Recept. Rm 108	20A/1	36
37	20A/1	INTERCOM/CAMERA ACCESS	360	360				SPARE	20A/1	38
39	20A/1	SPARE			0			SPARE	20A/1	40
41	20A/1	SPARE				0		SPARE	20A/1	42
		CONNECTED LOAD (VA) PER PHASE	11200	10660	9540		**31400**	**TOTAL CONNECTED LOAD (VA)**		
							87.3	**TOTAL CONNECTED LOAD (AMPS)**		
							63.8	**TOTAL DEMAND LOAD (AMPS)**		
							88.5	**TOTAL DEMAND LOAD (AMPS) SECT 1&2**		

(NEW) PANEL "PP1 SECT 2"

VOLTAGE:	120/208V	**FRAME:**	225A FRAME	**MIN AIC RATING:**	22,000	
PHASE:	3 PHASE	**MAIN:**	MLO	**CIRCUITS:**	42	
WIRE:	4 WIRE	**ENCLOSURE:**	NEMA 1 DOOR-IN-DOOR	**MOUNTING:**	SURFACE	
FEED:	BOTTOM	**LOCATION:**	ELECTRICAL RM 114			

CKT NO	BKR RTNG	LOAD DESCRIPTION	VA	CONNECTED VA LOAD A	B	C	VA	LOAD DESCRIPTION	BKR RTNG	CKT NO
43	20A/1	Recept. Rm119	540	540				SPARE	20A/1	44
45	20A/1	Roof Receptacle	360		360			SPARE	20A/1	46
47			998			998		SPARE	20A/1	48
49	20A/3	Garage Roll-up Door Rm 117	998	1358			360	Irrigation Controller (Exterior)	20A/1	50
51			998		1998		1000	Irrigation Hottox (Exterior)	20A/1	52
53	20A/1	Dedicated Recept. Rm 127	360			1360	1000	Server Rack Rm 127	30A/2	54
55	20A/1	Dedicated Recept. Rm 127	360	1360			1000			56
57	20A/1	Recept. Rm 127	360	1960			1600	Dedicated Upright Freezer Recept. Rm 117	20A/1	58
59	20A/1	Gate	1200		2800		1600	Dedicated Upright Freezer Recept. Rm 117	20A/1	60
61	20A/1	SPARE				0		SPARE	20A/1	62
63	20A/1	SPARE	-					SPARE	20A/1	64
65	20A/1	SPARE			0			SPARE	20A/1	66
67	20A/1	SPARE		0				SPARE	20A/1	68
69	20A/1	SPARE			0			SPARE	20A/1	70
71	20A/1	SPARE				0		SPARE	20A/1	72
73	20A/1	SPARE		0				SPARE	20A/1	74
75	20A/1	SPARE			0			SPARE	20A/1	76
77	-	SPACE				0		SPARE	20A/1	78
79	-	SPACE		0				SPACE	-	80
81	-	SPACE			0			SPACE	-	82
83	-	SPACE				0		SPACE	-	84
		CONNECTED LOAD (VA) PER PHASE	5218	5158	2358		**12734**	**TOTAL CONNECTED LOAD (VA)**		
							35.4	**TOTAL CONNECTED LOAD (AMPS)**		
							24.8	**TOTAL DEMAND LOAD (AMPS)**		
							88.5	**TOTAL DEMAND LOAD (AMPS) SECT 1&2**		

(NEW) PANEL "PP2"

VOLTAGE:	120/208V	**FRAME:**	225A FRAME	**MIN AIC RATING:**	22,000	
PHASE:	3 PHASE	**MAIN:**	MLO	**CIRCUITS:**	42	
WIRE:	4 WIRE	**ENCLOSURE:**	NEMA 1 DOOR-IN-DOOR	**MOUNTING:**	SURFACE	
FEED:	BOTTOM	**LOCATION:**	ELECTRICAL RM 114			

CKT NO	BKR RTNG	LOAD DESCRIPTION	VA	CONNECTED VA LOAD A	B	C	VA	LOAD DESCRIPTION	BKR RTNG	CKT NO
1	60A/2	Future Dryer	4784	9568			4784	Future Dryer	60A/2	2
3			4784		9568		4784			4
5	60A/2	Dryer	4784			9568	4784	Future Dryer	60A/2	6
7			4784	9568			4784			8
9	20A/1	Future Washer	1440		6224		4784	Dryer	60A/2	10
11	20A/1	Future Washer	1440			6224	4784			12
13	20A/1	Future Washer	1440	2880			1440	washer	20A/1	14
15	20A/1				1440		1440	washer	20A/1	16
17	20A/1					0			20A/1	18
19	20A/1			0					20A/1	20
21	20A/1				0				20A/1	22
23	20A/1					0			20A/1	24
25	20A/1			0					20A/1	26
27	20A/1				0				20A/1	28
29	20A/1					0			20A/1	30
31	20A/1			0					20A/1	32
33	20A/1				0				20A/1	34
35	20A/1					0			20A/1	36
37	20A/1								20A/1	38
39	20A/1				0				20A/1	40
41	20A/1					0			20A/1	42
		CONNECTED LOAD (VA) PER PHASE	22016	17232	15792		**55040**	**TOTAL CONNECTED LOAD (VA)**		
							153.0	**TOTAL CONNECTED LOAD (AMPS)**		
							61.2	**TOTAL DEMAND LOAD (AMPS)**		

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JON CHARLES ANTHONY — NEW MEXICO — 13843 — REGISTERED PROFESSIONAL ENGINEER — 09/26/25

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

Owner

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ELECTRICAL SCHEDULE

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(NEW) PANEL "KP1"

VOLTAGE:	120/208V	**FRAME:**	225A FRAME	**MIN AIC RATING:**	22,000
PHASE:	3 PHASE	**MAIN:**	225A MAIN BREAKER	**CIRCUITS:**	42
WIRE:	4 WIRE	**ENCLOSURE:**	NEMA 1 DOOR-IN-DOOR	**MOUNTING:**	SURFACE
FEED:	BOTTOM	**LOCATION:**	KENNEL 1 ELECTRICAL RM		

CKT NO	BKR RTNG	LOAD DESCRIPTION	VA	CONNECTED VA LOAD A	B	C	VA	LOAD DESCRIPTION	BKR RTNG	CKT NO
1	20A/1	Kennel Lighting	1166	1636			470	Kennel Exterior Lighting	20A/1	2
3	20A/1	Kennel Lighting	192		1132		940	Kennel Exterior Lighting	20A/1	4
5			3603			7206	3603			6
7	40A/3	MAU-3/ ERV-3	3603	7206			3603	MAU-5/ ERV-5	40A/3	8
9			3603		7206		3603			10
11			3603			4143	540	Receptcales Kennel	20A/1	12
13	40A/3	MAU-4/ ERV-4	3603	4323			720	Receptcales Kennel	20A/1	14
15			3603		3963		360	Receptcales Kennel	20A/1	16
17	20A/1	Receptacles Kennel	540			1080	540	Receptcales Kennel	20A/1	18
19	20A/1	Exterior Receptacles	720	1260			540	Receptcales Kennel	20A/1	20
21	20A/1	Exterior Receptacles	900		3150		2250	EWH-2	30A/2	22
23	30A/2	EWH-1	2250			4500	2250			24
25			2250	2610			360	Roof Receptacles	20A/1	26
27	20A/1	Circulating Pump CP-2,CP-3	360		560		200	Plumbing Sensor	20A/1	28
29	20A/1	Rainbird Controllers	540			540		SPARE	20A/1	30
31	20A/1	SPARE		0				SPARE	20A/1	32
33	-	SPACE			0			SPACE	-	34
35	-	SPACE				0		SPACE	-	36
37	-	SPACE						SPACE	-	38
39	-	SPACE			0			SPACE	-	40
41	-	SPACE				0		SPACE	-	42
		CONNECTED LOAD (VA) PER PHASE	17035	16011	17469		**50515**	**TOTAL CONNECTED LOAD (VA)**		
							140.4	**TOTAL CONNECTED LOAD (AMPS)**		
							102.4	**TOTAL DEMAND LOAD (AMPS)**		

LUMINAIRE SCHEDULE

1. ABBREVIATIONS: C=CEILING; P=PENDANT; R=RECESSED; S=SURFACE; T=TRACK; W=WALL; AI=AS INDICATED; CB=CONCRETE BASE.
2. SINGLE NUMERAL PREFIX IN LAMP COLUMN INDICATES NUMBER OF LAMPS IN LUMINAIRE (e.g., (2) F32T8/SPX35/ECO).
3. LAMPS ARE SPECIFIED BY MFG'S LAMP ORDERING CODE, NOT ANSI CODE NUMBER. LAMPS LISTED ARE OSRAM SYLVANIA UNLESS OTHERWISE NOTED.
4. MANUFACTURER AND CATALOG NUMBER LISTED ARE PRIMARY SPECIFICATION AND INDICATE DESIGN INTENT. ALTERNATE MANUFACTURERS ARE GIVEN BY NAME ONLY.
5. " ** " DENOTES MANUFACTURER'S CATALOG NUMBER LISTING FOR CEILING TYPE MOUNTING OPTION. CONTRACTOR SHALL COORDINATE WITH FINAL ARCHITECTURAL RCP. PRIOR TO ORDERING.
6. FIRST NAMED MANUFACTURER AND CATALOG NUMBER CONSTITUTE BASIS OF DESIGN. ALTERNATE MANUFACTURERS SUBMITTED MUST MEET CONSTRUCTION, OPERABILITY, PHOTOMETRIC AND AESTHETIC CRITERIA SET FORTH BY BASIS OF DESIGN PUBLISHED INFORMATION.

TYPE	MANUFACTURER/#	ALTERNATE MFG'R	DESCRIPTION	MTG.	LAMPING	VOLTS	WATTS
A4	**LUMARK PREVAIL** PRV-PA1B-730-U-T4W-BZ	APPROVED EQUAL	LED POLE LIGHT, 3000K, 8,869 LUMENS, TYPE 4 DISTRIBUTION.	POLE	INTEGRAL LED	UNV	74
A5	**LUMARK PREVAIL** PRV-PA1B-730-U-5WQ-BZ-EM	APPROVED EQUAL	LED POLE LIGHT, 3000K, 9,280 LUMENS, TYPE 5 DISTRIBUTION, EMERGENCY BATTERY BACKUP	POLE	INTEGRAL LED	UNV	74
A36	**LIRON** LED2NTF-2X4-UW-35	APPROVED EQUAL	2X4 LED RECESSED TROFFER, 3500K, 36W, 4500 LUMENS.	R	INTEGRAL LED	UNV	24
A36E	**LIRON** LED2NTF-2X4-UW-35-EM	APPROVED EQUAL	2X4 LED RECESSED TROFFER, 3500K, 36W, 4500 LUMENS, EMERGENCY BATTERY BACKUP	R	INTEGRAL LED	UNV	24
A45	**LIRON** LED2NTF-2X4-UW-35	APPROVED EQUAL	2X4 LED RECESSED TROFFER, 3500K, 45W, 5625 LUMENS.	R	INTEGRAL LED	UNV	46
A45E	**LIRON** LED2NTF-2X4-UW-35-EM	APPROVED EQUAL	2X4 LED RECESSED TROFFER, 3500K, 45W, 5625 LUMENS, EMERGENCY BATTERY BACKUP	R	INTEGRAL LED	UNV	46
B	**SPITZER** DFLV-3-20L-U-CC-C1-WH	APPROVED EQUAL	36-IN WALL MOUNTED VANITY, SELECTABLE CCT, 20W, 2000 LUMENS.	W	INTEGRAL LED	UNV	21
D	**EDISON ED DRUM+** 4FT-75W-UD-120-DL-S4-STRAIGHT WIRE-OP-MSF-30K/90CRI	APPROVED EQUAL	4FT-75W-UD-VOLTAGE-DL-S4-STRAIGHT WIRE-OP-MSF-30K/90CRI	P	INTEGRAL LED	UNV	50
F4	**SPITZER** RL2-4-40LC-U-CC-C1-DFD-W	APPROVED EQUAL	4FT LINEAR WALL MOUNT, 40W, SELECTABLE CCT, 50/50	W	INTEGRAL LED	UNV	24
F8	**SPITZER** RL2-8-40LC-U-CC-C1-DFD-W	APPROVED EQUAL	8FT LINEAR WALL MOUNT, SELECTABLE CCT, 50/50	W	INTEGRAL LED	UNV	48
F8E	**SPITZER** RL2-8-40LC-U-CC-C1-DFD-W-EM1	APPROVED EQUAL	8FT LINEAR WALL MOUNT, SELECTABLE CCT, 50/50, 8 WATT EMERGENCY BATTERY BACKUP	W	INTEGRAL LED	UNV	48
M12	**SELUX** W60-1C20-840-LW-W-12-U-DIM	APPROVED EQUAL	12FT LINEAR WALL MOUNT, 4000K	W	INTEGRAL LED	UNV	4.9 Per Foot
N	**NEORAY DEFINE** S123DIW-C-775D1535U-835-4FO-2-UDD-F-W	APPROVED EQUAL	4FT LINEAR DIRCET/ INDIRECT WALL MOUNT, 3500K	W	INTEGRAL LED	UNV	68
NE	**NEORAY DEFINE** S123DIW-C-775D1535U-835-4FO-2-UDD-F-W-**E**	APPROVED EQUAL	4FT LINEAR DIRCET/ INDIRECT WALL MOUNT, 3500K, 14W EMERGENCY BATTERY BACKUP	W	INTEGRAL LED	UNV	68
P	**EDISON PIPE+** 10W-DD-120V-DL-S4-FL-BK-30K	APPROVED EQUAL	SPOT INTEGRAL PENDANT CYLINDER, 30K, 930 LUMENS	P	INTEGRAL LED	UNV	10
R10	**HALO** HC410D010-HM40525830-41MDH	APPROVED EQUAL	4IN DOWNLIGHT, 30K, 1000 LUMENS.	R	INTEGRAL LED	UNV	10
RE10	**HALO** HC410D010-HM40525830-41MDH-IEMV14	APPROVED EQUAL	4IN DOWNLIGHT, 30K, 1000 LUMENS, 14W EMERGENCY BATTERY BACKUP	R	INTEGRAL LED	UNV	10
R15	**HALO** HC415D010-HM40525830-41MDH	APPROVED EQUAL	4IN DOWNLIGHT, 30K, 1500 LUMENS.	R	INTEGRAL LED	UNV	14
RE15	**HALO** HC415D010-HM40525830-41MDH-IEMV14	APPROVED EQUAL	4IN DOWNLIGHT, 30K, 1500 LUMENS, 14W EMERGENCY BATTERY BACKUP	R	INTEGRAL LED	UNV	14
R30	**HALO** HC430D010-HM43040835-41NDH	APPROVED EQUAL	4IN DOWNLIGHT, 30K, 3000 LUMENS.	R	INTEGRAL LED	UNV	28
S438	**SPITZER** STPH2-4-52LC-U-CC-C1-WH	APPROVED EQUAL	4FT STRIP, SELECTRABLE CCT, 3800 LUMENS.	P	INTEGRAL LED	UNV	24
S438E	**SPITZER** STPH2-4-52LC-U-CC-C1-WH-EM2	APPROVED EQUAL	4FT STRIP, SELECTRABLE CCT, 3800 LUMENS, 15 WATT EMERGENCY BATTERY BACKUP	P	INTEGRAL LED	UNV	24
S446	**SPITZER** STPH2-4-52LC-U-CC-C1-WH	APPROVED EQUAL	4FT STRIP, SELECTRABLE CCT, 4600 LUMENS.	P	INTEGRAL LED	UNV	28
S446E	**SPITZER** **STPH2-4-52LC-U-CC-C**1-WH-EM2	APPROVED EQUAL	4FT STRIP, SELECTRABLE CCT, 4600 LUMENS, 15 WATT EMERGENCY BATTERY BACKUP	P	INTEGRAL LED	UNV	28
S461	**SPITZER** STPH2-4-52LC-U-CC-C1-WH	APPROVED EQUAL	4FT STRIP, SELECTRABLE CCT, 6100 LUMENS.	P	INTEGRAL LED	UNV	39
UC	**HALO** HU1124D9SX	APPROVED EQUAL	UNDERCABINET, SELECTABLE CCT	S	INTEGRAL LED	UNV	11
V4H	**METALUX** **4**APVTLD-SL3C3	APPROVED EQUAL	4FT INDUSTRIAL VAPORTITE, SELECTABLE CCT, SELECTABLE LUMENS - HIGH POWER	P	INTEGRAL LED	UNV	47
V4M	**METALUX** **4**APVTLD-SL3C3	APPROVED EQUAL	4FT INDUSTRIAL VAPORTITE, SELECTABLE CCT, SELECTABLE LUMENS - MID POWER	P	INTEGRAL LED	UNV	33
V8H	**METALUX** **8**APVTLD-SL3C3	APPROVED EQUAL	8FT INDUSTRIAL VAPORTITE, SELECTABLE CCT, SELECTABLE LUMENS - HIGH POWER.	P	INTEGRAL LED	UNV	94
V8HE	**METALUX** **8**APVTLD-SL3C3-EL10W	APPROVED EQUAL	8FT INDUSTRIAL VAPORTITE, SELECTABLE CCT, SELECTABLE LUMENS - HIGH POWER, 10 WATT EMERGENCY BATTERY BACKUP	P	INTEGRAL LED	UNV	94
W2	**LUMARK CROSSTOUR** XTOR2B-W	APPROVED EQUAL	LOW-PROFILE EXTERIOR LED WALL PACK	W	INTEGRAL LED	UNV	18
X	**ISOLITE** LP-EM-R-U-WH-MTEBP	APPROVED EQUAL	EXIT SIGN, RED LETTERING. 5 YEAR WARRANTY.	C,W	INTEGRAL LED	UNV	1

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JON CHARLES ANTHONY — NEW MEXICO — 13843 — REGISTERED PROFESSIONAL ENGINEER — 09/26/25

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

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ELECTRICAL SCHEDULE

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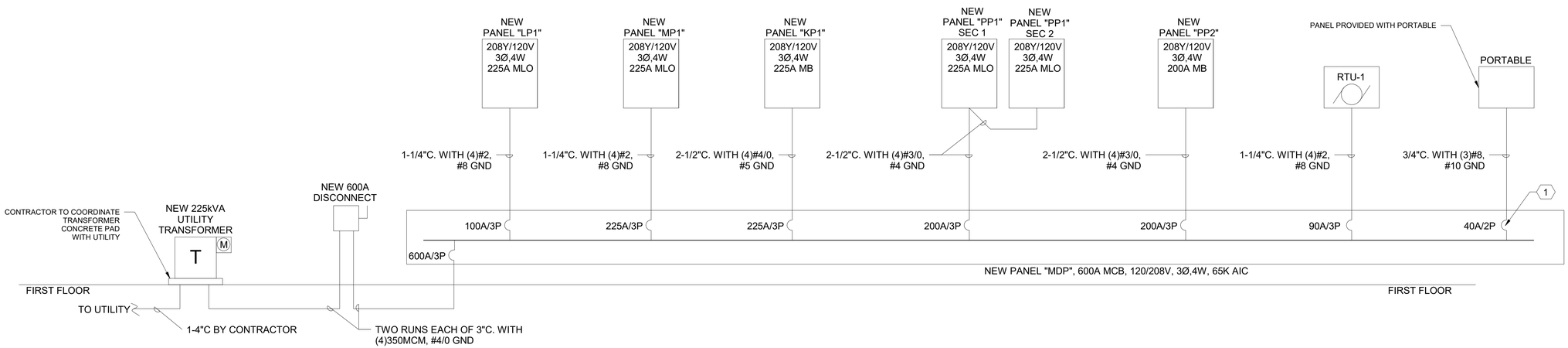
KEYED NOTES ⟨X⟩

1. CONTRACTOR TO COORDINATE BREAKER AND CONDUCTOR SIZE WITH PORTABLE LOAD CENTER RATING.



A1 **ELECTRICAL ONE-LINE DIAGRAM**
N.T.S.

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ELECTRICAL ONE-LINE DIAGRAM

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SPECIAL SYSTEMS LEGEND :

▽	TELEPHONE OUTLET
▼	DATA OUTLET
▼	FLOOR BOX - DATA OUTLET
CAM	SECURITY CAMERA ROUGH-IN (2"X4" BACK BOX)
CR	CARD READER
PB	PULL BOX
TV	TELEVISION
WAP	WIRELESS ACCESS POINT
SEC	SECURITY PANEL

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TELECOMM SYSMBOLS LEGEND

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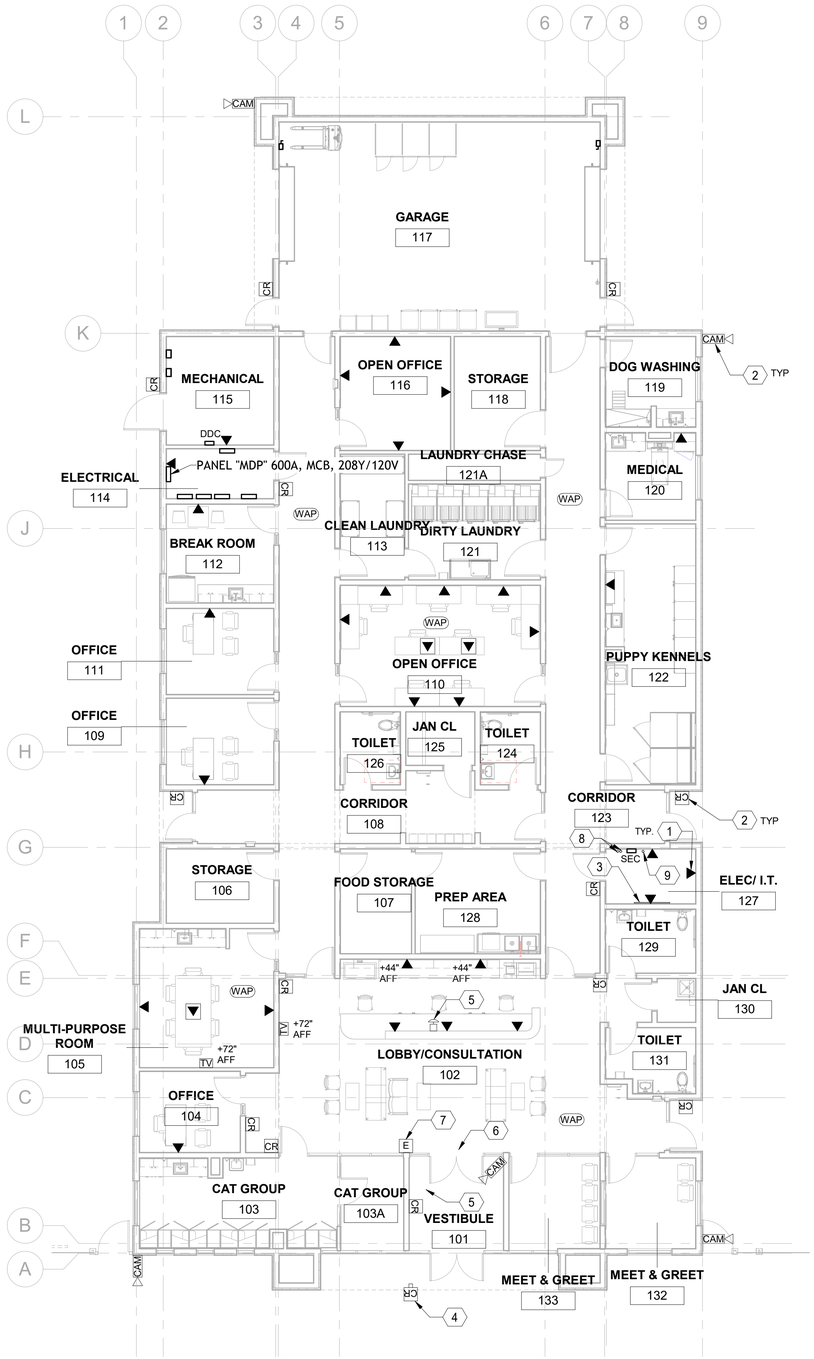

A1 TELECOMM. ADMIN. PLAN

1/8" = 1'-0"

PLAN NORTH / TRUE NORTH

GENERAL NOTES

A. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND PROVIDING ALL WORK INDICATED ON THE DRAWINGS, THIS CONSISTS OF FURNISHING ALL LABOR, EQUIPMENT, SUPPLIES, AND MATERIALS IN ADDITION TO PERFORMING ALL OPERATIONS.
B. PERFORM ALL ELECTRICAL WORK IN A NEAT AND WORKMANLIKE MANNER IN FULL COMPLIANCE WITH ALL APPLICABLE CODES AND THE NATIONAL ELECTRICAL CODE (NEC).
C. CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER OF ANY AND ALL DISCREPANCIES FOUND BETWEEN CONTRACT DOCUMENTS.
D. CONTRACTOR SHALL FOLLOW ALL MANUFACTURER RECOMMENDED INSTALLATION GUIDELINES.
E. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
F. ALL CONDUCTORS SHALL BE COPPER, RATED FOR 600 VOLTS WITH TYPE THHN/THWN, 90 DEGREE INSULATION UNLESS OTHERWISE NOTED. MINIMUM WIRE SIZE SHALL BE #12 AWG FOR POWER CIRCUITS. CONDUCTORS SHALL BE SOLID WIRE FOR #12 AWG AND STRANDED FOR #10 AWG OR LARGER. ALL WIRING SHALL BE RUN IN CONDUIT INCLUDING LOW VOLTAGE CONTROL WIRING. SIGNAL WIRING MAY BE RUN IN PVC CONDUIT OR PVC FLEXIBLE TUBING.
G. GENERALLY, CONDUIT SHALL BE EMT, 3/4" MINIMUM. IN AREAS SUBJECT TO DAMAGE CONDUIT SHALL BE RIGID OR IMC TYPE. ALL CONDUIT SHALL BE CONCEALED UNLESS NOTED OTHERWISE.
H. SUPPORT ALL CONDUIT INDEPENDENTLY FROM THE BUILDING STRUCTURE. DO NOT SUPPORT FROM VENTILATION DUCTS, MECHANICAL PIPING, SUSPENDED CEILING GRIDS, OR THEIR HANGERS. USE NEC ACCEPTABLE METHODS OF SUPPORT.
I. INSTALL EXTERIOR WIRING AND DEVICES IN CONDUIT WITH WEATHERPROOF FITTINGS AND IN WEATHERPROOF BOXES. ALL DEVICES AND EQUIPMENT SHALL BE RATED FOR EXTERIOR USE.
J. MAINTAIN A MINIMUM OF 24 INCH SEPARATION BETWEEN EXTERIOR POWER CONDUITS AND SIGNAL CONDUITS AS PRACTICAL. ROUTE CONDUITS TO NOT CROSS EACH OTHER.

KEYED NOTES (X)

1. TELEPHONE/DATA OUTLET.
2. CONTRACTOR TO PROVIDE ROUGH-IN WITH 3/4"C AND PULL STRING.
3. 4'X8' TELEPHONE PLYWOOD BACKBOARD. 1 HOUR FIRE RATED.
4. PEDESTAL MOUNTED CARD READER.
5. INTERCOM/CAMERA/ACCESS CONTROL. COORDINATE REQUIREMENTS AND LOCATION WITH ARCHITECT.
6. JUNCTION BOX PROVIDED FOR ENTRY/EXIT CONTROLS.
7. EXIT BUTTON FOR MAGLOCK EXIT OVERRIDE.
8. PROVIDE 2-1"C. SCHEDULE 40 PVC CONDUITS TO OUTSIDE. COORDINATE LOCATION WITH OWNER AND DATA SERVICE PROVIDER.
9. ROUTE 1"C. FOR DATA AND SECURITY TO KENNEL BUILDING.

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JON CHARLES ANTHONY — NEW MEXICO — 13843 — REGISTERED PROFESSIONAL ENGINEER
09/26/25

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

Owner

PROJECT NO.: -
DRAWN BY:
REVIEWED BY:
APPROVED BY:

ISSUE DRAWING LOG:

MARK	DATE	DESCRIPTION
0	9/23/2025	100% CD SUBMITTAL

TELECOMM. PLAN

T-101

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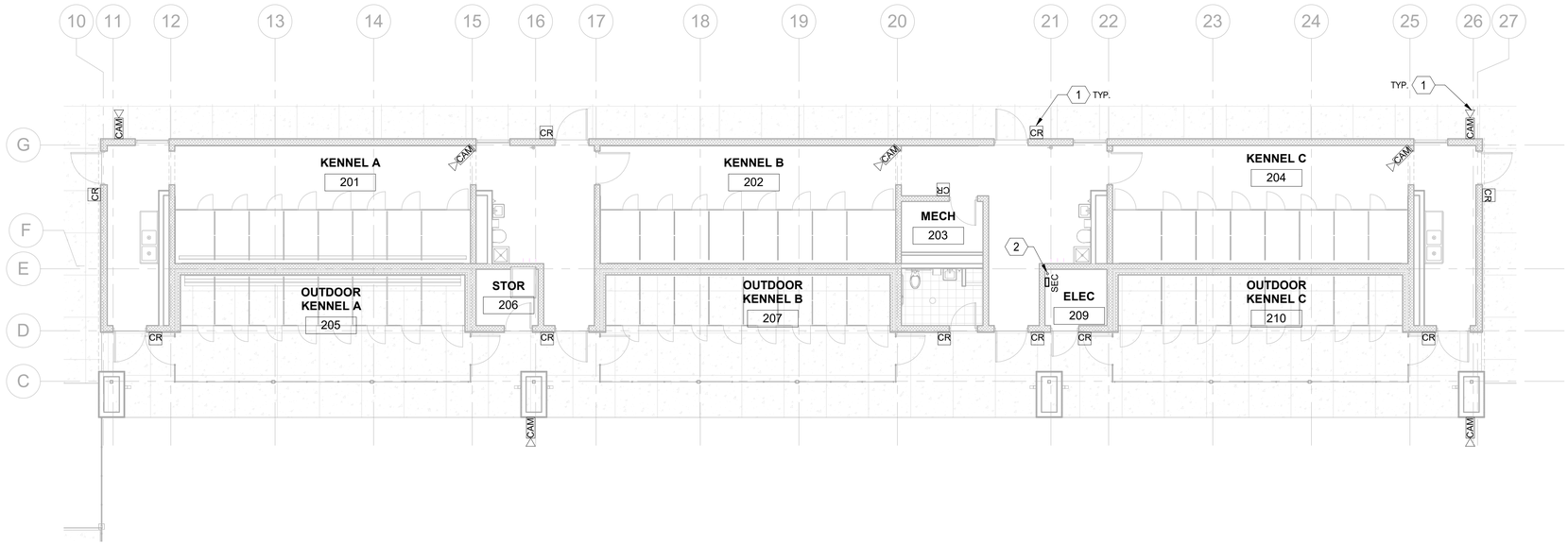

A1 **TELECOMM. KENNEL PLAN**
1/8" = 1'-0"

PLAN NORTH
TRUE NORTH

GENERAL NOTES

A. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND PROVIDING ALL WORK INDICATED ON THE DRAWINGS, THIS CONSISTS OF FURNISHING ALL LABOR, EQUIPMENT, SUPPLIES, AND MATERIALS IN ADDITION TO PERFORMING ALL OPERATIONS.
B. PERFORM ALL ELECTRICAL WORK IN A NEAT AND WORKMANLIKE MANNER IN FULL COMPLIANCE WITH ALL APPLICABLE CODES AND THE NATIONAL ELECTRICAL CODE (NEC).
C. CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER OF ANY AND ALL DISCREPANCIES FOUND BETWEEN CONTRACT DOCUMENTS.
D. CONTRACTOR SHALL FOLLOW ALL MANUFACTURER RECOMMENDED INSTALLATION GUIDELINES.
E. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
F. ALL CONDUCTORS SHALL BE COPPER, RATED FOR 600 VOLTS WITH TYPE THHN/THWN, 90 DEGREE INSULATION UNLESS OTHERWISE NOTED. MINIMUM WIRE SIZE SHALL BE #12 AWG FOR POWER CIRCUITS. CONDUCTORS SHALL BE SOLID WIRE FOR #12 AWG AND STRANDED FOR #10 AWG OR LARGER. ALL WIRING SHALL BE RUN IN CONDUIT INCLUDING LOW VOLTAGE CONTROL WIRING. SIGNAL WIRING MAY BE RUN IN PVC CONDUIT OR PVC FLEXIBLE TUBING.
G. GENERALLY, CONDUIT SHALL BE EMT, 3/4" MINIMUM. IN AREAS SUBJECT TO DAMAGE CONDUIT SHALL BE RIGID OR IMC TYPE. ALL CONDUIT SHALL BE CONCEALED UNLESS NOTED OTHERWISE.
H. SUPPORT ALL CONDUIT INDEPENDENTLY FROM THE BUILDING STRUCTURE. DO NOT SUPPORT FROM VENTILATION DUCTS, MECHANICAL PIPING, SUSPENDED CEILING GRIDS, OR THEIR HANGERS. USE NEC ACCEPTABLE METHODS OF SUPPORT.
I. INSTALL EXTERIOR WIRING AND DEVICES IN CONDUIT WITH WEATHERPROOF FITTINGS AND IN WEATHERPROOF BOXES. ALL DEVICES AND EQUIPMENT SHALL BE RATED FOR EXTERIOR USE.
J. MAINTAIN A MINIMUM OF 24 INCH SEPARATION BETWEEN EXTERIOR POWER CONDUITS AND SIGNAL CONDUITS AS PRACTICAL. ROUTE CONDUITS TO NOT CROSS EACH OTHER.

KEYED NOTES (X)

1. CONTRACTOR TO PROVIDE ROUGH-IN WITH 3/4"C AND PULL STRING.
2. SECURITY SUB PANEL WITH 1"C. TO ADMIN BUILDING IT ROOM 127.

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SANDOVAL COUNTY · STATE OF NEW MEXICO

SEAL OF THE STATE OF NEW MEXICO · GREAT SEAL · 1912

SANDOVAL COUNTY REGIONAL ANIMAL RESOURCE CENTER

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TELECOMM. KENNEL PLAN

T-102

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