

CITY OF DAYTON ANIMAL SHELTER

2004 NORTH CLEVELAND

DAYTON, TEXAS

LIBERTY COUNTY

CARNES DESIGNS, LLC

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 BAYTOWN, TEXAS 77520
 (281) 385-1200 (281) 385-0920 FAX
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BUILDING CODE SUMMARY

CHAPTER 3 – OCCUPANCY CLASSIFICATION

B 4,156 SF

CHAPTER 5 – GENERAL HEIGHT AND AREA CALCULATIONS

ALLOWABLE AREA = 23,000 SF ALLOWABLE HEIGHT 3 STORY/ 55 FT
 ACTUAL HEIGHT 1 STORIES/10 FT

TYPE – II-B

CHAPTER 10 – MEANS OF EGRESS

DESIGN OCCUPANCY LOAD

OCCUPANCY	AREA	OCC LOAD
B OFFICE AREA	987/100	10

TOTAL 10

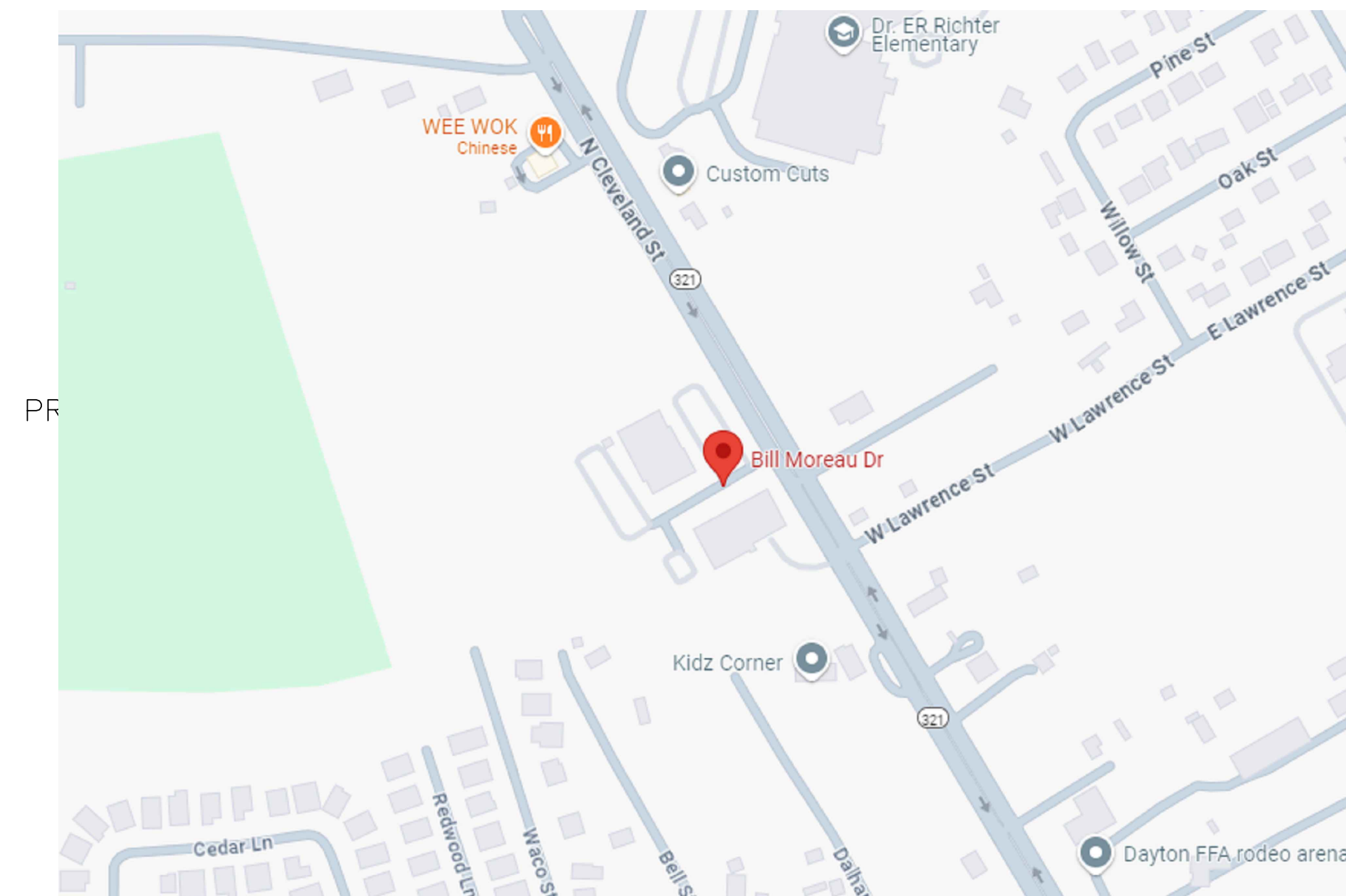
1003.2.3 EGRESS WIDTH

OCCUPANCY USE TOTAL EGRESS REQ

B TOTAL EGRESS PROVIDED = 2 X 0.2 IN = 0.4 IN
 = 2 OPENINGS X 36" = 72 IN PROVIDED

CHAPTER 16 – STRUCTURAL DESIGN

BUILDING TO BE DESIGNED TO 140 M.P.H. 3 SEC GUST EXPOSURE "C"



VICINITY MAP
 N.T.S.

INDEX

BUILDING

- A-1 ELEVATIONS
- A-2 FLOOR PLAN
- A-3 WALL DETAILS
- S-1 FOUNDATION
- M-1 MECHANICAL PLAN
- E-1 ELECTRICAL PLAN
- P-1 PLUMBING PLAN
- TAS TEXAS ACCESSIBILITY STANDARDS

CIVIL

- C-1 SITE PLAN
- C-2 UTILITY PLAN



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FIRE DEPARTMENT NOTES:

1. KNOX BOX:
 -"KNOX" COMPANY BRAND LOCKING KEY BOX WITH THE MONT BELVIEU FIRE DEPARTMENT'S KEYWAY SHALL BE MOUNTED ON THE EXTERIOR OF THE BUILDING NEAR THE MAIN ENTRANCE, NO HIGHER THAN 6' FROM GROUND LEVEL.
 -KNOX BOXES MUST BE INSTALLED WITH THE PROPER KEYS INSIDE PRIOR TO ISSUANCE OF CERTIFICATE OF OCCUPANCY.
2. ADDRESS NUMBERS
 MUST BE AT LEAST 4-6" TALL, CONTRASTING TO THE BACKGROUND AND CLEARLY VISIBLE FROM THE PUBLIC ROADWAY.
3. OCCUPANT LOAD
 MUST BE POSTED NEAR THE MAIN ENTRANCE / EXIT.
4. FIRE EXTINGUISHERS
 -MINIMUM FIRE EXTINGUISHER SIZE IS 2A-10BC.
 -TRAVEL DISTANCE TO THE NEAREST FIRE EXTINGUISHER MUST BE 75' OR LESS
5. FIRE ALARM SYSTEM
 -ENTIRE BUILDING TO HAVE A FIRE ALARM SYSTEM.

GENERAL NOTES:

1. CONTRACTOR MUST NOTIFY ENGINEER UPON UNCOVERING HIDDEN CONDITIONS.
2. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ARRANGE WITH THE FACILITIES MANAGEMENT FOR SITE ACCESS, SITE STORAGE, AND WORKER PARKING.
3. CODE REQUIREMENTS:
 IT IS THE INTENT THAT ALL WORK SHALL CONFORM TO THE ADOPTED CODES, STANDARDS & RULES OF THE ADMINISTRATIVE AUTHORITY HAVING JURISDICTION. IN THE EVENT THAT THE ADMINISTRATIVE AUTHORITY HAVING JURISDICTION WITHHOLDS ITS APPROVAL FOR ANY CAUSE, THE CONTRACTOR SHALL IMMEDIATELY INFORM THE DESIGNER OF THE SITUATION ALONG W/ CORRECTIVE ACTION TO BE TAKEN.
4. EXISTING CONDITIONS:
 THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND FIELD COORDINATE CORRECTIVE ACTION AS REQUIRED. THE GENERAL CONTRACTOR SHALL NOTIFY THE DESIGNER OF ALL CONFLICTS AND DISCREPANCIES THAT EFFECT THE WORK PRIOR TO PROCEEDING.

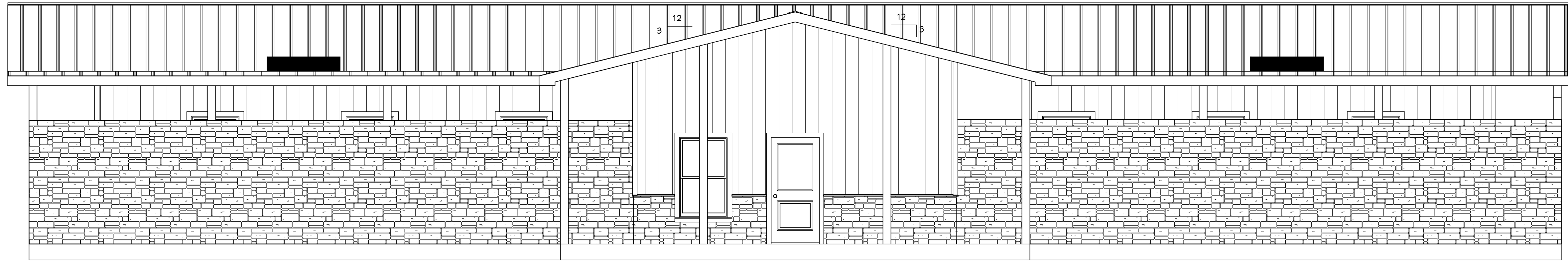
APPLICABLE CODES:

- 2015 INTERNATIONAL BUILDING CODE
- 2015 INTERNATIONAL FIRE CODE
- 2015 INTERNATIONAL MECHANICAL CODE
- 2015 INTERNATIONAL PLUMBING CODE
- 2017 NATIONAL ELECTRICAL CODE
- 2015 INTERNATIONAL ENERGY CONSERVATION CODE

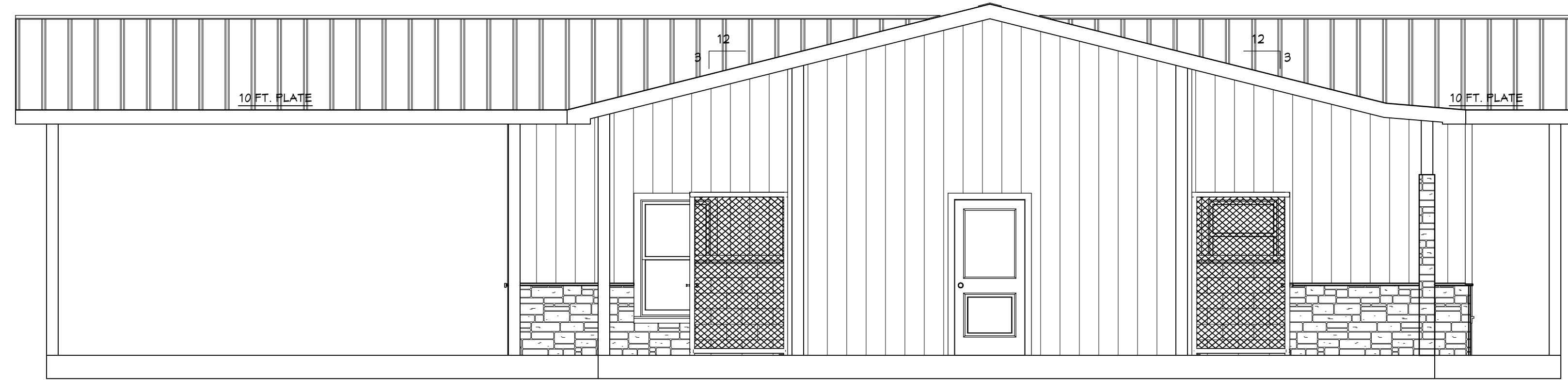


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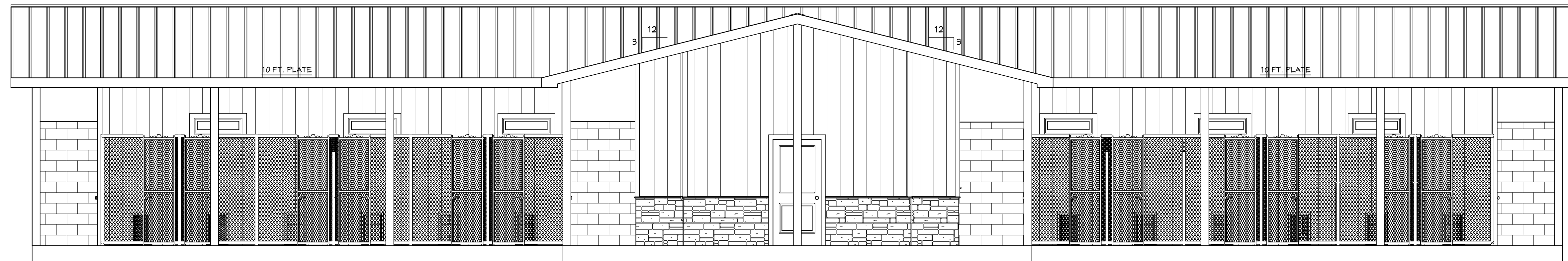
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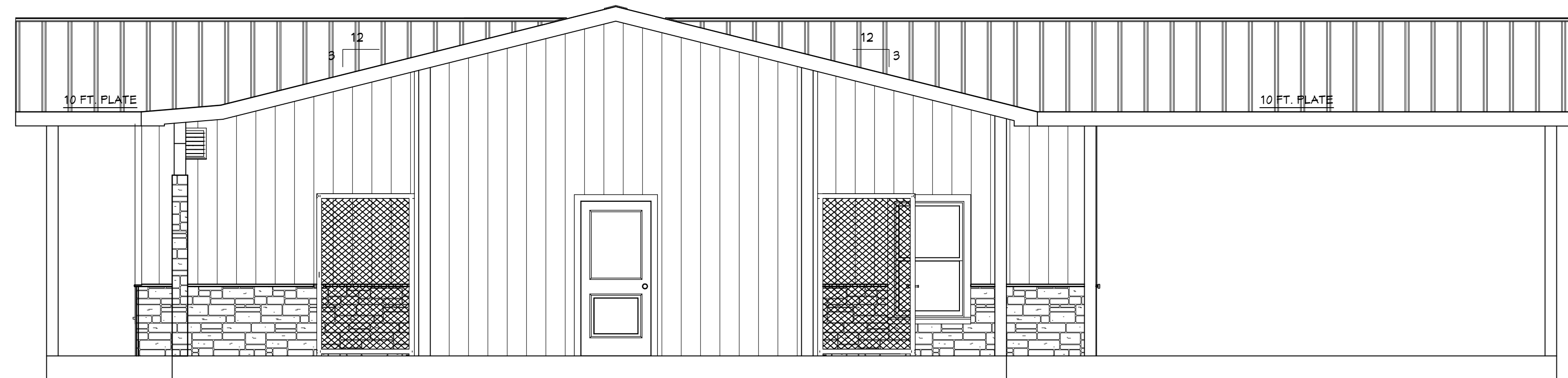
FRONT VIEW



LEFT VIEW



REAR VIEW



RIGHT VIEW

NOTE: METAL BUILDING TO BE DESIGNED TO 140 MPH
3-SEC GUST EXPOSURE C.



ARCHITECTURE
PLANNING
ENGINEERING

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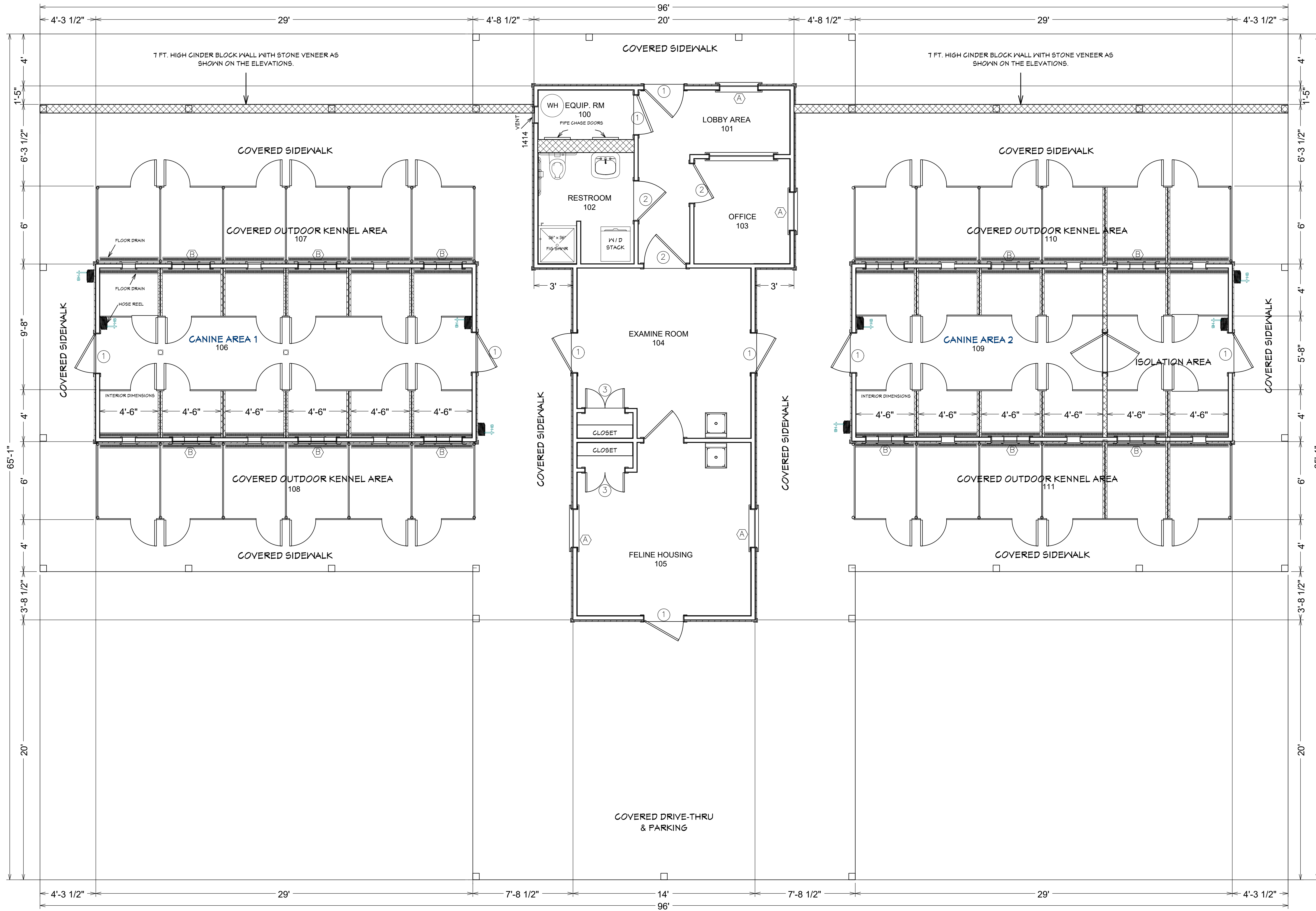
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ELEVATIONS

REV	DATE	BY	DESCRIPTION

DESIGNED	MM	SCALE	AS NOTED	SHEET NO.
DRAWN	MM	DATE	07/23/2024	A-1
CHECKED				
FILE				

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FLOOR PLAN
SCALE: 1/4" = 1'

DOOR SCHEDULE

NO.	SIZE	MATERIAL/FINISH			FRAME	THRESHOLD	NOTES
		MAT'L	FRAME FINISH	CORE			
①	3'-0" x 6'-8"	METAL	PAINT	S.C.	METAL		
②	3'-0" x 6'-8"	METAL	PAINT	S.C.	METAL		
③	2'-6" x 6'-8"	METAL	PAINT	S.C.	METAL		DOUBLE DOOR

- NOTES:**
- ALL EXIT DOOR TO BE OPENABLE FROM INSIDE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE AND EFFORT. OR HAVE A SIGN POSTED READING " THIS DOOR MUST REMAIN UNLOCKED DURING OCCUPANCY"
 - DOORS SHALL HAVE LEVER HANDLES OR EQUIVALENT MOUNTED NOT MORE THAN 42" A.F.F. EXCEPT AT ACCESSIBLE STALLS WHICH SHALL BE MOUNTED BETWEEN 34 TO 36" A.F.F.
 - MAXIMUM OPENING FORCE FOR NEW INTERIOR DOOR SHALL BE 5 LBS AND 8.5 LBS FOR EXTERIOR DOORS.
 - INSTALL LOWER DOOR SWEEPS AND TIGHT SEALS ON DOORS

WINDOW SCHEDULE

NO.	SIZE	FRAME	NOTES
Ⓐ	3'-0" x 5'-0"	VINYL	DOUBLE PAIN
Ⓑ	3'-0" x 1'-0"	METAL	DOUBLE PAIN

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FLOOR PLAN

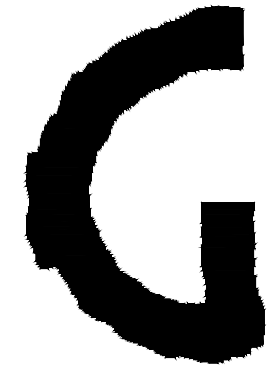
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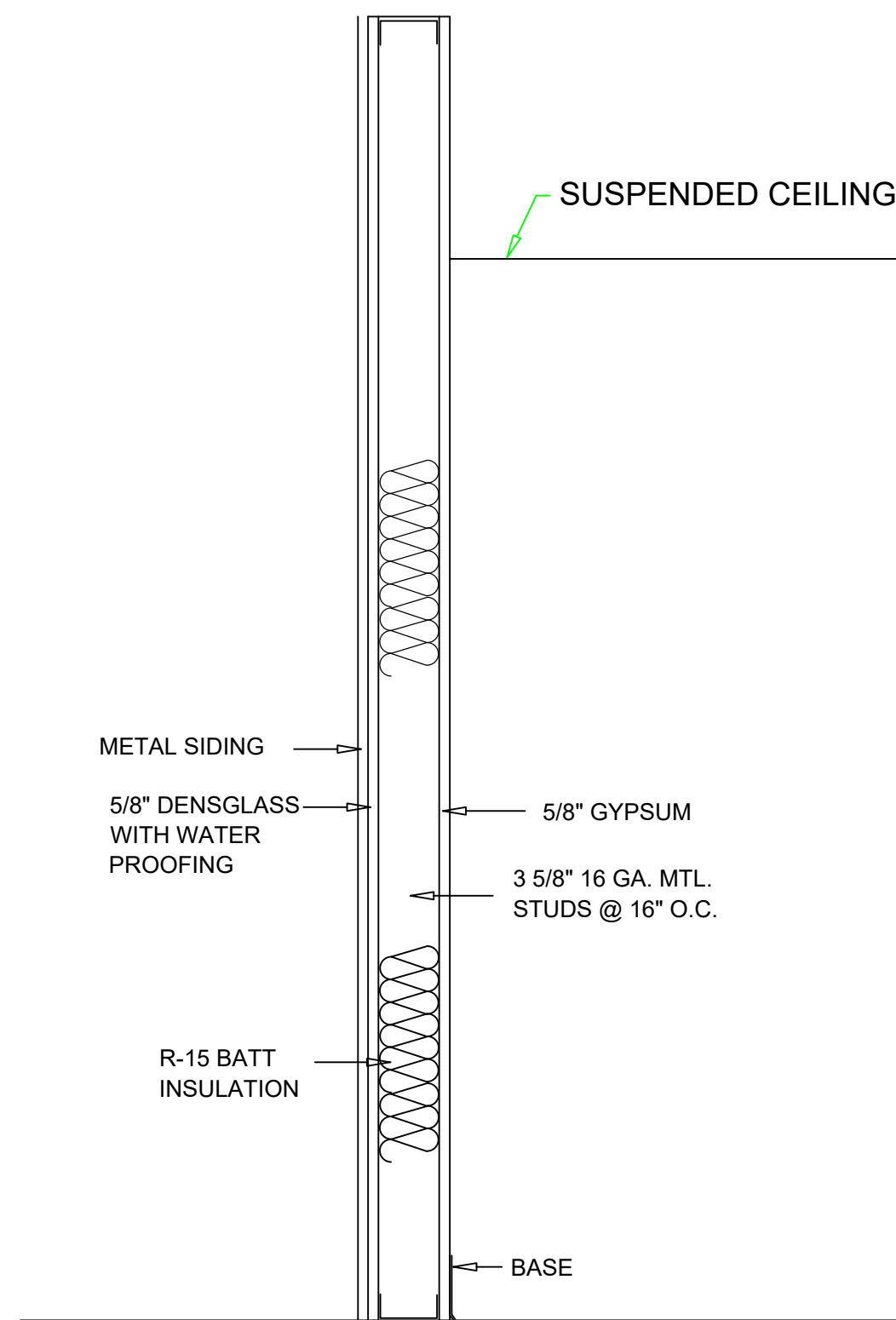


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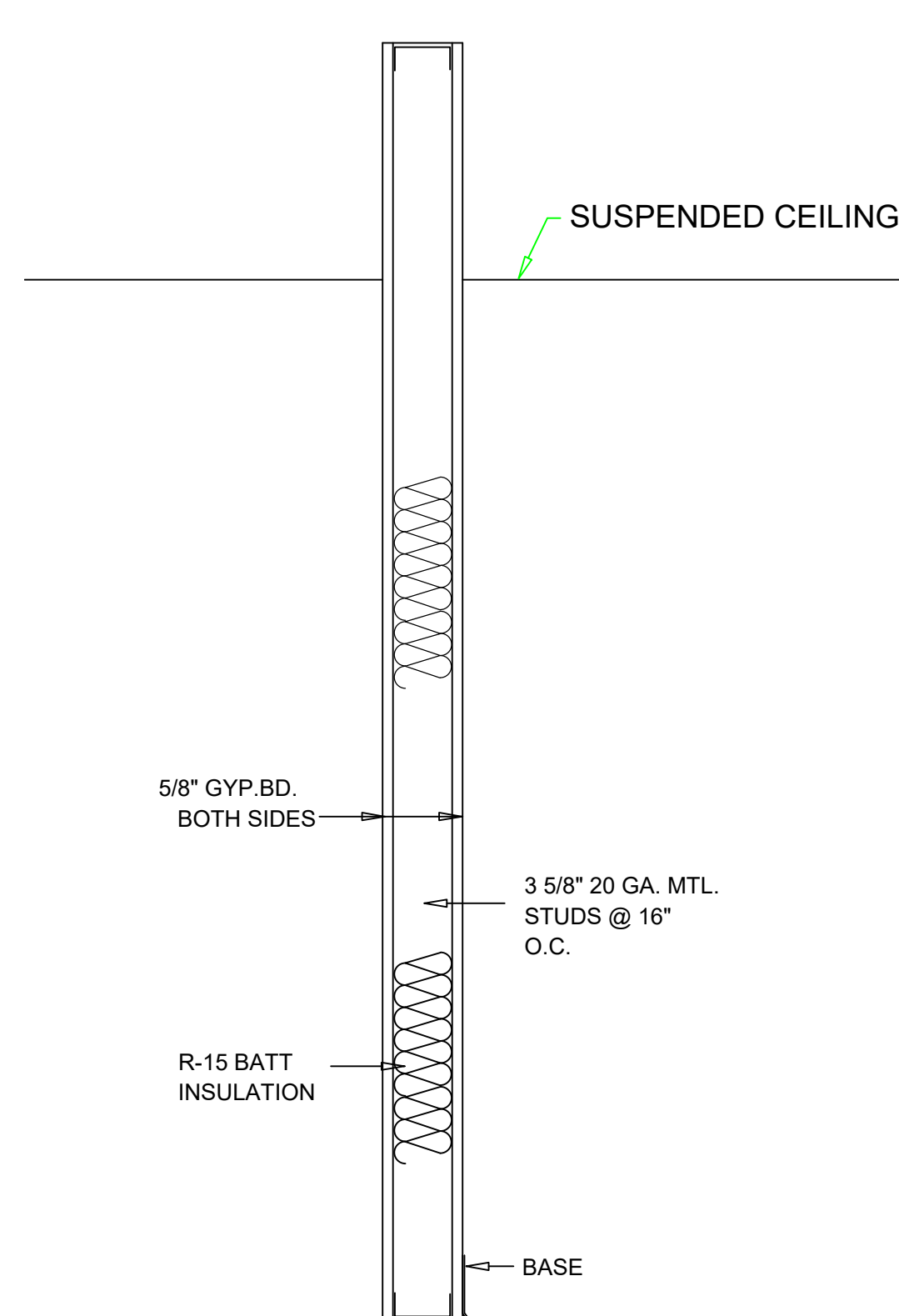
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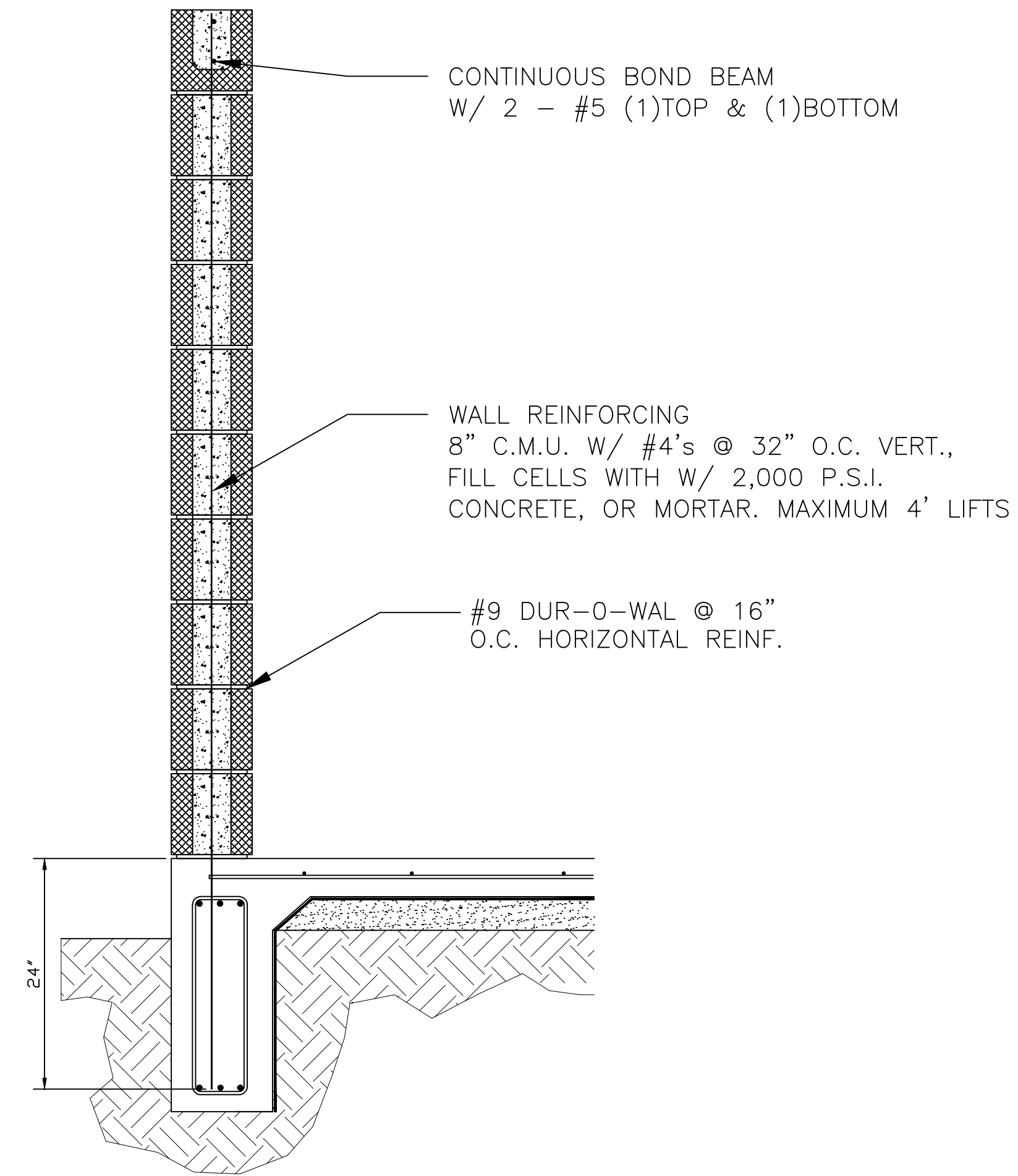
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1 TYPICAL EXTERIOR WALL SECTION
SCALE: N.T.S.



2 TYPICAL INTERIOR WALL SECTION
SCALE: N.T.S.



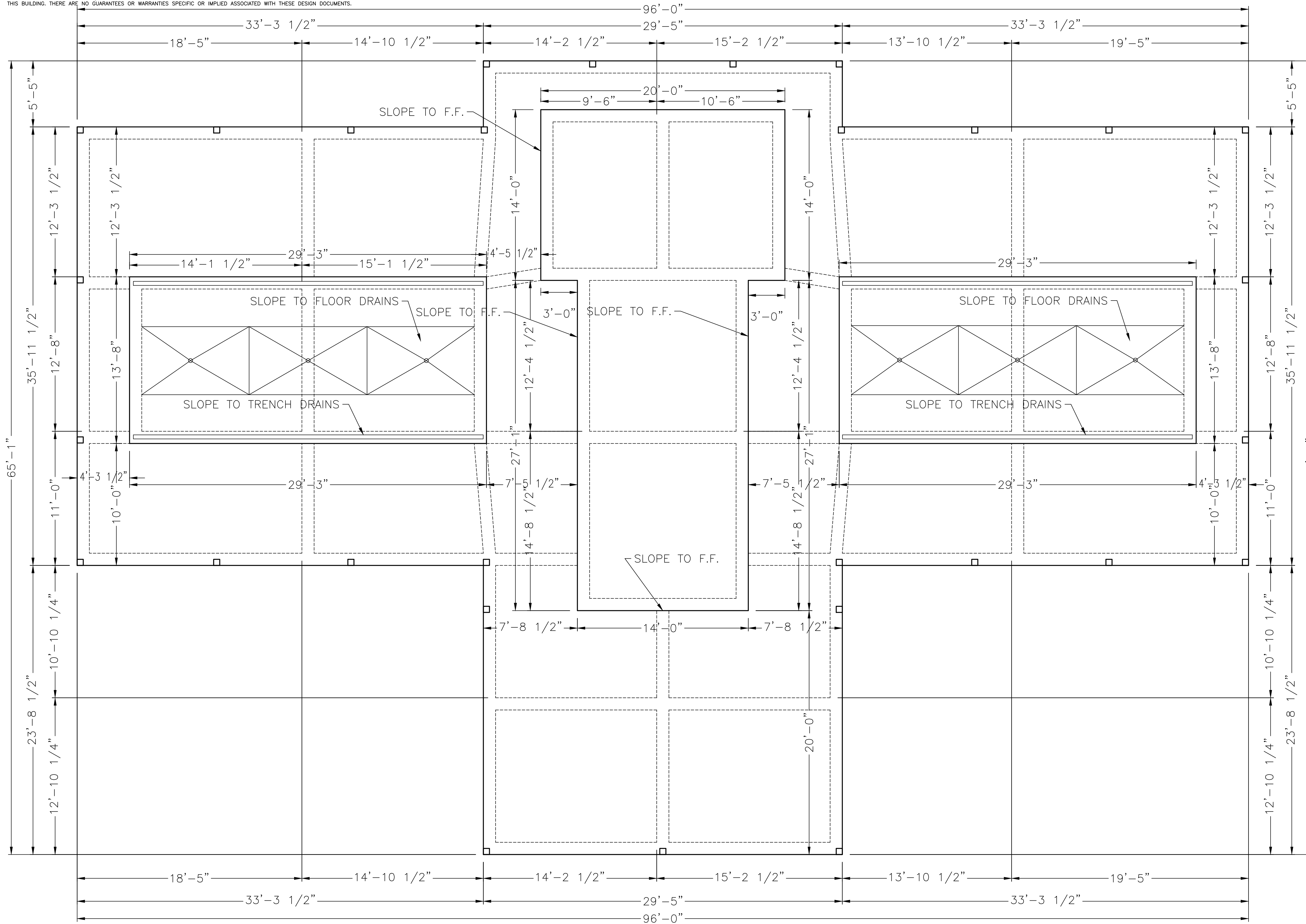
3 TYPICAL CMU WALL
SCALE: N.T.S.

BUILDING ROOM FINISH SCHEDULE

NO.	USE	FLOOR	BASE	CHR RL	WALLS	CEILING	NOTES
100	EQUIPMENT ROOM	TILE	VINYL		PAINTED GYP.BD.	SUSPENDED	9' A.F.F.
101	LOBBY AREA	TILE	VINYL		PAINTED GYP.BD.	SUSPENDED	9' A.F.F.
102	RESTROOM	TILE	VINYL		PAINTED GYP.BD.	SUSPENDED	9' A.F.F.
103	OFFICE	TILE	VINYL		PAINTED GYP.BD.	SUSPENDED	9' A.F.F.
104	EXAMINE ROOM	TILE	VINYL		PAINTED GYP.BD.	SUSPENDED	9' A.F.F.
105	FELINE HOUSING	TILE	VINYL		PAINTED GYP.BD.	SUSPENDED	9' A.F.F.
106,109	CANINE AERA 1,2	EPOXY	N/A		EPOXY BLOCK	OPEN	TO DECK
102,108,110,111	COVERED OUTDOOR KENNEL AREA	N/A	N/A		PAINTED BLOCK	OPEN	TO DECK

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		<p>WALL DETAILS</p>	
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DETAIL LEGEND	
	ELEVATION CHANGE
	THICKENED SLAB
	SIMPSON STHD14
	SPECIAL ATTENTION REQUIRED
	COLUMN ANCHOR BOLT LOCATION
* OWNER/CONTRACTOR TO VERIFY FINAL LOCATION	

1. GENERAL NOTES:

THESE NOTES ARE A PART OF ALL DRAWINGS THAT REFER TO THEM. IN CASE OF CONFLICT BETWEEN THE DRAWINGS, THESE NOTES AND THE REFERENCED CODES, THE ORDER OF AUTHORITY SHALL BE: FIRST, THE DRAWINGS; SECOND, THESE NOTES; AND THIRD, THE CODES.

2. CODES:

SITE PREPARATION, FORMING, STEEL PLACEMENT, CONCRETE PLACEMENT, AND FINISHING SHALL BE IN ACCORDANCE WITH AND CONFORM TO ALL 319-05 CODE REQUIREMENTS, LOCAL CODES AND ORDINANCES. THE TEXAS DEPARTMENT OF INSURANCE BUILDING CODE FOR WINDSTORM RESISTANT CONSTRUCTION GUIDELINES WHERE APPLICABLE.

3. MATERIALS:

3000 PSI/28 DAY CONCRETE

ANCHOR BOLTS REFER TO METAL BUILDING DRAWINGS FOR SIZE. ANCHOR BOLTS SHALL BE A MIN. ASTM A307.

REINFORCING BARS SHALL BE DEFORMED BARS OF MIN. GR 40 STEEL FOR #4 AND SMALLER AND GR 60 STEEL FOR #5 AND LARGER CONFORMING TO ASTM A 615.

SITE PREPARATION

CONTRACTORS SHOULD FAMILIARIZE THEMSELVES WITH THE SOIL REPORT FOR THIS PROJECT AND IMPLEMENT RECOMMENDED SITE PREPARATION. SEE FOUNDATION PLAN FOR SOIL REPORT NO. AND DATE FOR THIS PROJECT.

STRIP AND SCARIFY THE SURFACE SOIL TO A MIN. DEPTH OF SIX INCHES AND REMOVE ALL SURFACE ORGANICS, TRASH, DEBRIS, AND OTHER DELETERIOUS MATERIALS.

TREE REMOVAL: CONTRACTOR MUST REMOVE STUMPS, GRINDINGS AND ALL DEBRIS. REPLACE SOIL AND COMPACT.

BACKFILL SHALL BE A MIN. OF 6 INCHES OF COMPACTED BANK SAND OR SAND/SILTY CLAY WITH A MIN. LIQUID LIMIT OF 26 AND A PI BETWEEN 10 AND 20 UNDER SLAB. * COMPACT ALL FILL TO 95% OF STANDARD PROCTER DENSITY.

FILL IS TO BE SELECT STRUCTURAL FILL (MAX PI 20) PLACED IN 8" LIFTS. * COMPACTION IS TO BE ACCOMPLISHED WITH PROPER EQUIPMENT. TESTING IS RESPONSIBILITY OF CONTRACTOR/OWNER.

* SIMPSON STHD14 OR HTT22 HOLD DOWN STRAP REQUIRED AT EACH EXTERIOR AND RE-ENTRANT CORNER. MULTI-LEVEL STRUCTURES REQUIRE STRAPPING AT EACH FLOOR LEVEL. (EX. TWO STORY DWELLING: 1ST & 2ND FLOOR STRAPPING REQUIRED.)

4. CONCRETE DETAILS:

SLAB REINFORCING SEE DETAILS. LAPPED 30 DIAMETERS, TIED AND PLACED ON 2" CHAIRS.

BEAM STEEL TO BE CONTINUOUS. LAPPED 30 DIAMETERS AND TIED. ALL CORNERS AND DEAD END INTERSECTIONS TO HAVE TIED 2"X2" CORNER BARS IN EXTERIOR FACE STEEL TOP & BOTTOM (OR BEAM STEEL CONTINUED AROUND CORNER 2" AND TIED)

CONCRETE COVER TO BE IN ACCORDANCE WITH ACI -319-05.

ALL EXTERIOR BEAMS MUST BE A MIN. OF 12 IN. INTO THE UNDISTURBED SOIL

CONCRETE MIX SHOULD BE VERIFIED. SLUMP TO BE SUPERVISED AND RECORDED. SEE MIX CHART.

5. SLAB NOTE:

SLAB REINFORCED ON STANDARD SUPPORT CHAIRS WITH FLAT BOTTOM SUPPORT BASES ADEQUATE IN HEIGHT TO SUPPORT STEEL IN THE CENTER OF THE SLAB OVER 6 MIL VAPOR BARRIER ON COMPACTED BANK SAND CUSHION OVER PREPARED SUBGRADE.

6. MISCELLANEOUS:

OWNER SHOULD IMPLEMENT A FOUNDATION MAINT. PROGRAM TO AID IN REDUCING FOUNDATION REACTIONS TO EXPANSIVE SOILS.

CONTRACTORS OR PROVIDE POSITIVE DRAINAGE BY SLOPING AND DIRECTING THE RUNOFF AWAY FROM THE FOUNDATION AND ESTABLISH GRADE. MIN. SLOPE TO BE 5% (6 INCHES IN 10 FEET).

PLUMBING BY OTHERS.

DESIGN IS BASED ON COMMERCIAL SERVICE LOADS AND STABLE SOIL MOISTURE CONDITIONS. COMPACTION & INTEGRITY OF FILL AND FINAL DRAINAGE AROUND THE PERIMETER OF THE BUILDING IS THE RESPONSIBILITY IF THE OWNER/CONTRACTOR. TESTING SHOULD BE CONDUCTED BY A CERTIFIED LABORATORY.

7. INSPECTIONS:

AT A MINIMUM, INSPECTIONS SHOULD VERIFY ALL FILL CONDITIONS HAVE BEEN SATISFIED AND PROPERLY TESTED IN ACCORDANCE WITH PLANS AND SPECIFICATIONS. PIERS ARE OBSERVED FOR PROPER PLACEMENT, DEPTH, CONCRETE, AND REINFORCING; OBSERVATION OF ALL FOUNDATION ELEMENTS IMMEDIATELY BEFORE CONCRETE PLACEMENT; STRESSING OBSERVATION AND ELONGATION COMPARISON TO THEORETICAL. INSPECTION AND TESTING IS THE RESPONSIBILITY OF THE OWNER/CONTRACTOR. A COMPLIANCE LETTER SHOULD BE ISSUED TO VERIFY SUBSTANTIAL CONFORMANCE WITH PLANS INCLUDING ALTERATIONS AND MODIFICATIONS.

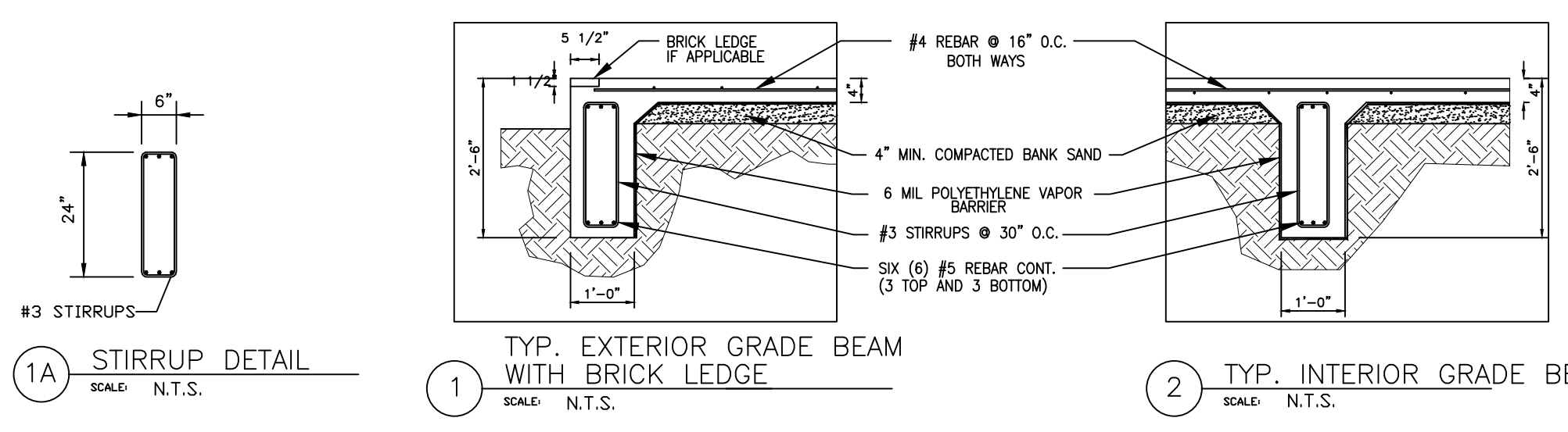
TYPICAL CONCRETE MIX	ELUCOSIL	HARDENING, SEALING AND DUSTPROOFING COMPARE TO BE APPLIED AS SHOWN.
CEMENT	158	TYPICAL COVERAGE
WATER	188	ROUGH FINISH
AIR	85	FRESH CONCRETE
FINE AGGREGATE	288	NEWLY CURED
COURSE AGGREGATE	318	BASE CONCRETE
		FLOORS TO BE TILED
		DIESTONE CONCRETE
		OR TERRAZZO
		300/7/4
		500/12/3
		500/12/3

SOIL REPORT: USED LOCAL SOILS INFORMATION USDA LIBERTY LAB. JOB NO. _____

IN AREAS OF HIGH PL. SOILS SOME FOUNDATION MOVEMENT IS POSSIBLE. SUCH MOVEMENT DOES NOT CONSTITUTE FOUNDATION FAILURE. OWNER MUST IMPLEMENT A MAINTENANCE PROGRAM TO PRESERVE THE INTEGRITY OF THE FOUNDATION.

THIS FOUNDATION DESIGN IS VALID FOR 2024 NORTH CLEVELAND, DAYTON TEXAS LIBERTY COUNTY ONLY AND IS NOT APPLICABLE AT ANY OTHER LOCATION. DRAWINGS MUST HAVE A RED OR BLUE SEAL TO BE VALID. PHOTOCOPIES ARE NOT TO BE ACCEPTED.

ALTERATIONS, OMISSIONS, & ADDITIONS IN FOUNDATIONS DESIGN MUST BE APPROVED IN WRITING BY THE ENGINEER OF RECORD.



06/16/2025

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FOUNDATION PLAN

DESIGNED	MM	SCALE	AS NOTED	SHEET NO.
DRAWN	MM	DATE	07/23/2024	S-1
CHECKED				
FILE				

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ELECTRICAL:


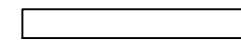

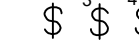


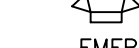


FOLLOW 2017 NATIONAL ELECTRIC CODE (NEC) FOR ALL WIRING, CONNECTIONS AND SWITCH GEAR. MASTER ELECTRICIAN SHOULD COMPLETE, INSPECT, AND/OR SUPERVISE ALL ELECTRICAL WORK.

GENERAL ELECTRICAL NOTES:

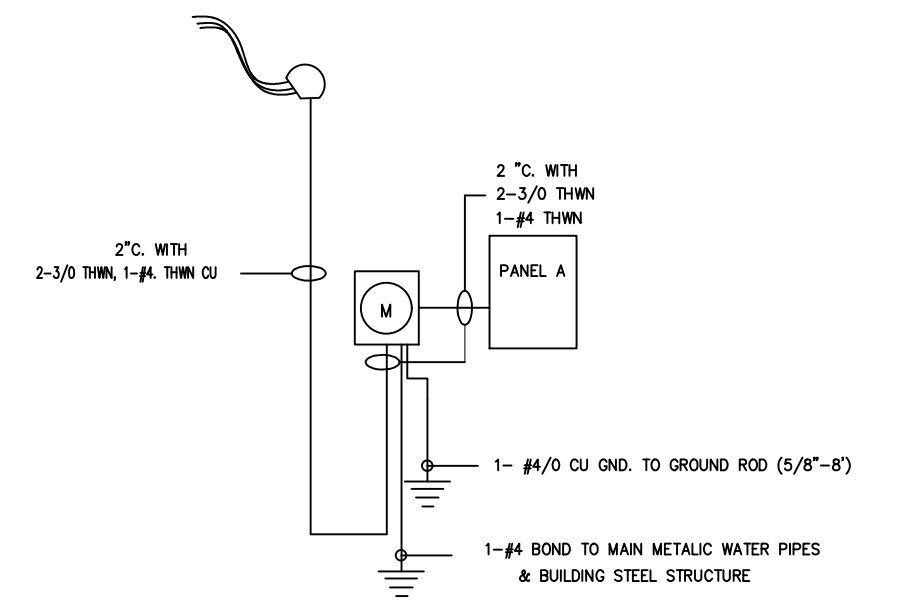
1. ALL ELECTRICAL WORK SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (LATEST EDITION) AND ALL APPLICABLE STATE AND LOCAL CODES.
2. COORDINATE ELECTRICAL PLANS WITH SITE, BUILDING, STRUCTURAL, MECHANICAL, PLUMBING AND ALL APPLICABLE PLANS & SUPPLEMENTS TO THIS PROJECT.
3. ELECTRICAL CONTRACTOR SHALL FURNISH ALL ELECTRICAL WIRING, CONDUIT, SWITCHES, PANELS, RECEPTACLES, FIXTURES, ETC. AND LEAVE READY FOR OPERATION.
4. ALL ELECTRICAL MATERIAL MUST BE "UL" LISTED AND LABELED. MINIMUM WIRE SIZE SHALL BE #12 AWG UNLESS OTHERWISE STATED. MINIMUM CONDUIT SIZE: #3/4" EMT CONDUIT WITH GROUNDING CONDUCTOR.
5. ALL ELECTRICAL FIXTURES & EQUIPMENT SHALL BE GROUNDED PER NEC.
6. ALL WALL SWITCHES SHALL BE MOUNTED 42" ABOVE FINISH FLOOR AND ALL RECEPTACLES SHALL BE MOUNTED 15" ABOVE FINISH FLOOR, UNLESS NOTED OTHERWISE.
7. MAXIMUM LOAD FOR ALL CIRCUITS SHALL BE 80%.
8. THE USE OF "BY" WHERE PERMITTED BY LOCAL CODES, WILL BE ALLOWED FOR FINAL CONNECTION FROM THE LAST J.B. TO THE LIGHTING FIXTURE, "TRONEX" IS NOT ACCEPTABLE.
9. CONDUCTOR INSULATION SHALL BE "THHN" TYPE, MOISTURE AND HEAT RESISTANT THERMO-PLASTIC, 75°C TEMPERATURE RATED, EXCEPT WHERE NOTED. (CONDUCTORS SHALL BE COPPER UNLESS NOTED)
10. BRANCH BREAKERS OF 2P AND 3P CONFIGURATION SHALL HAVE A COMMON TRIP.
11. ALL EMERGENCY LIGHTING SHALL BE CONNECTED TO A SINGLE CIRCUIT BREAKER WITH A LOCK-ON DEVICE.
12. ELECTRICAL SERVICE REQUIREMENTS TO BE DETERMINED BY THE CONTRACTOR.

NOTE:
ALL ELECTRICAL OUTLETS AND FIXTURE PLACEMENT TO BE VERIFIED WITH OWNER

ELECTRICAL LEGEND

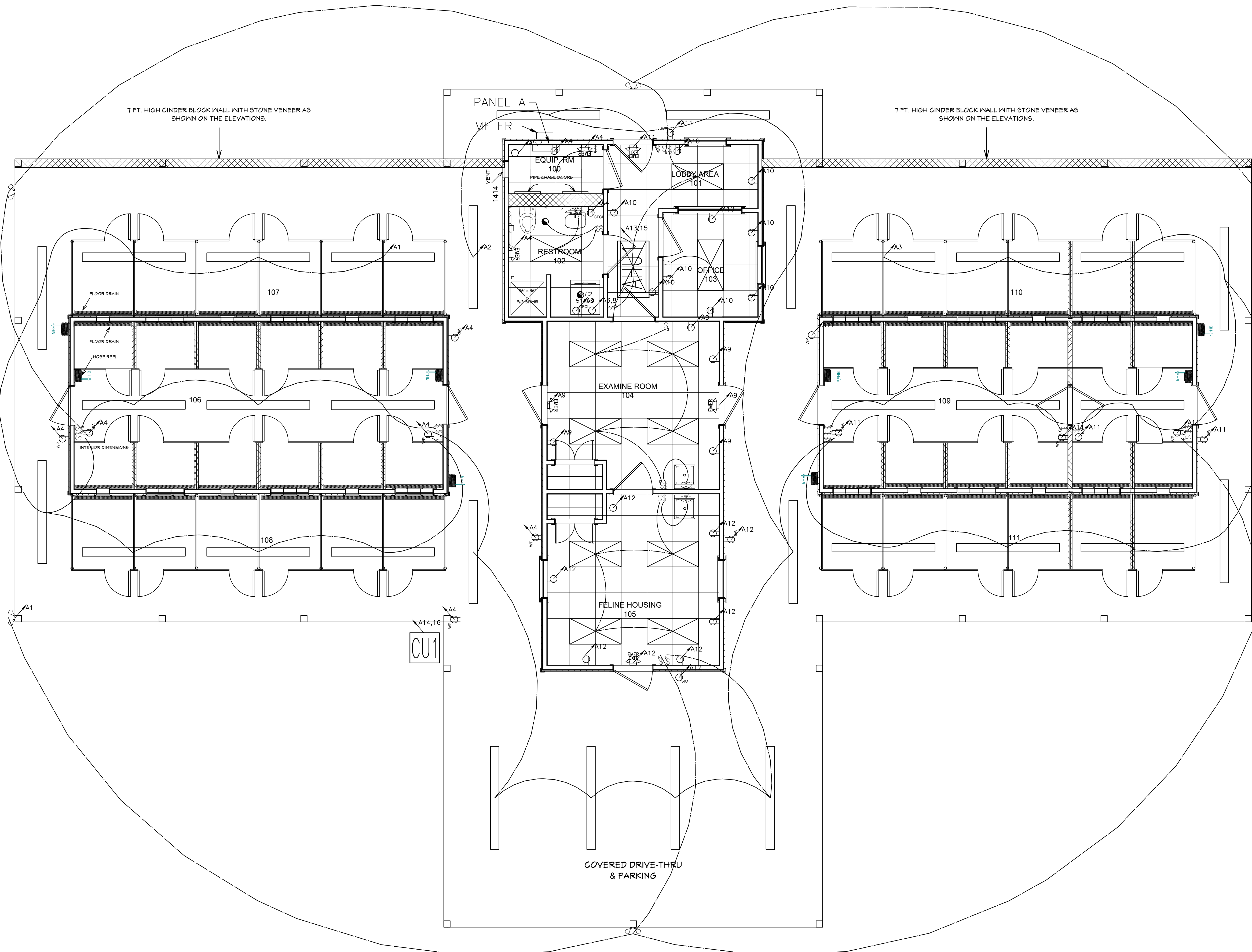
-  2'x4' LAYIN LED FIXTURE 120V 32W
-  8' CEILING MOUNTED LED
-  EXTERIOR MOTION LIGHT LED
-  SWITCHES: SINGLE POLE, 3-WAY, 4-WAY
-  RECEPTACLE OUTLETS, 120V (DUPEX, WEATHER PROOF, GFCI)
-  RECEPTACLE OUTLETS, 240V.
-  "SURE-LITES" EXIT LIGHT W/ GREEN EMERGENCY LIGHT W/ POWER PACK
-  "SURE-LITES" EMERGENCY LIGHT PLB SERIES W/ POWER PACK
-  50 CFM EXHAUST FANS, DUCTED OUTSIDE

NOTE:
1. POWER SUPPLY FOR EXIT SIGNS AND EMERGENCY LIGHTS SHALL BE PROVIDED BY THE PREMISES WIRING SYSTEM. IN THE EVENT OF NORMAL POWER FAILURE ILLUMINATION SHALL BE AUTOMATICALLY PROVIDED FROM AN EMERGENCY POWER-BATTERY BACK UP OR FROM AN ON SITE EMERGENCY GENERATION SET.



MAIN BUILDING ELECTRICAL ONE LINE DIAGRAM

NOTE:
REFER TO THE LEASE SPACE PERMIT DRAWINGS FOR WIRE, CONDUIT, BREAKER, AND PANEL SIZES AND LOCATIONS.



PANEL A	VOLT --- 120 / 240	WIRE --- 3	RMS SYM --- 10,000
IC= 22KAIC (SERIES RATED)	AMP --- 200	SPACE - 24	MLO --- 200
WITH GROUND BUS	PHASE- 1	MOUNT - SURFACE	MAIN BRKR - 200

LOAD	WIRE	BRK.		WIRE	BRK.	LOAD
LIGHTING	14	20	1	14	20	LIGHTING
LIGHTING	12	20	3	12	20	RECEPTACLE
WATER HEATER	10	30	5	10	30	DRYER
RECEPTACLE	12	20	7	12	20	RECEPTACLE
RECEPTACLE	12	20	9	12	20	RECEPTACLE
AHU 1	8	50	11	8	40	CU 1
			13			
			15			
			17			
			19			
			21			
			23			

ELECTRICAL PLAN
SCALE: 1/4" = 1'

06/16/2025

JAMES E. DEAVER, JR.
96663
LICENSED PROFESSIONAL ENGINEER

F-11512
JDSI

CARNES DESIGNS, LLC

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2014
INFO@CARNESDESIGNS.COM
WWW.CARNESDESIGNS.COM

REV	DATE	BY	DESCRIPTION

CITY OF DAYTON ANIMAL SHELTER
2004 NORTH CLEVELAND
DAYTON, TEXAS
LIBERTY COUNTY

ELECTRICAL PLAN

DESIGNED	MM	SCALE	AS NOTED	SHEET NO.
DRAWN	MM	DATE	07/23/2024	E-1
CHECKED				
FILE				

DISCOVERY OF ANY ERRORS OR OMISSIONS IN THESE DOCUMENTS ARE TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF CARNES DESIGNS, LLC. PRIOR TO ANY CONSTRUCTION WORK OR PURCHASES. ALL DIMENSIONS AND CLEARANCES TO BE VERIFIED BY OWNER/CONTRACTOR PRIOR TO BEGINNING ANY CONSTRUCTION. CARNES DESIGNS, LLC IS NOT RESPONSIBLE FOR ANY CONSTRUCTION ISSUES WHICH MAY ARISE DURING OR AFTER THE CONSTRUCTION OF THIS BUILDING. THERE ARE NO WARRANTIES OR WARRANTIES SPECIFIC OR IMPLIED ASSOCIATED WITH THESE DESIGN DOCUMENTS.

GENERAL NOTES:

THIS PROJECT MUST BE IN COMPLIANCE WITH THE 2015 INTERNATIONAL BUILDING CODE AND THE CITY OF MONT BELVIEU CODES & ORDINANCES.

PLUMBING:

FOLLOW 2015 INTERNATIONAL PLUMBING CODE. MASTER PLUMBER SHOULD COMPLETE, INSPECT AND/OR SUPERVISE ALL PLUMBING WORK.

PLUMBING SPECIFICATIONS:

WATER PIPING NOTES:

1. WATER PIPING SHALL BE TYPE "L" COPPER, WITH 95-5 SILVER SOLDERED JOINTS
2. INSULATE ALL HOT WATER PIPING WITH 1" RIGID FIBERGLASS OR 1/2" FLEXIBLE FOAM INSULATION (ANIMATEX). FLEXIBLE FOAM INSULATION SHALL NOT BE SPLIT, AND SHALL BE TAPED AT THE BUTT JOINTS.
3. PROVIDE EACH FIXTURE WITH STOPS AND SUPPLIES, EXPOSED STOPS SHALL BE CHROME PLATED WITH LOOSE KEY
4. PROVIDE WATER HAMMER PROTECTION AT EACH FIXTURE, OR GROUP OF SIMILAR FIXTURE
5. PROVIDE VACUUM BREAKERS AS REQUIRED BY CODE.
6. PROVIDE TRAP PRIMERS FOR ALL FLOOR DRAINS, PRIMERS SHALL BE LOCATED IN A SERVICEABLE LOCATION.
7. STERILIZE WATER PIPING IN ACCORDANCE WITH THE HEALTH DEPARTMENT REGULATIONS AND AMERICAN WATER WORKS ASSOCIATION'S SPECIFICATIONS.

SANITARY PIPING NOTES:

1. SANITARY, WASTE AND VENT PIPING SHALL BE SCH 40 UNLESS PROHIBITED BY THE LOCAL CODES.
2. IF PVC PIPING IS PROHIBITED UNDER-GROUND BY THE LOCAL CODE, THEN SANITARY, WASTE, AND VENT PIPING SHALL BE SERVICE WEIGHT CAST IRON, LEADED JOINTS, TYPE "TY-SEAL" AND "NO-HUB" ARE APPROVED SUBJECT TO APPROVAL BY THE BUILDING OFFICIAL. "NO-HUB" USED ONLY IN ABOVE-GROUND APPLICATIONS.
3. AN APPROVED ALTERNATE FOR ALL SANITARY, WASTE AND VENT PIPING IS DWY COPPER WITH 50-50 TIN LEADED SOLDERED JOINTS.
4. SLOPE OF SANITARY AND WASTE PIPING SHALL BE 1/4" PER FOOT MINIMUM FOR 3" PIPE AND MINIMUM OF 1/8" SLOPE FOR 4" PIPE.
5. EXPOSED WASTE DRAINS, IN TOILETS, SHALL BE CHROME PLATED BRASS, WITH WAXING STOPS AND ESCUTCHONS.
6. ROOF PENETRATIONS SHALL BE WITH LEAD PIPE ROOF JACKS. COORDINATE ROOF SYSTEM WITH GENERAL CONTRACTOR AND VERIFY WITH ARCHITECTURAL DRAWINGS.

GENERAL NOTE TO CONTRACTOR

1. ALL WORK, METHODS AND INSTALLATIONS INVOLVED IN THE PLUMBING DESIGN SHALL BE IN ACCORDANCE WITH UNIFORM PLUMBING CODE AND INSPECTION REGULATIONS AND ALL OTHER OFFICIALS HAVING JURISDICTION. ALL WORKS TO MEET CITY OF BAYTOWN PLUMBING CODE ADDITIONS
2. THIS CONTRACTOR SHALL COORDINATE ROUTING OF PIPING IN CEILING SPACES WITH MECHANICAL AND ELECTRICAL EQUIPMENT. DUCT WORK AND CONDUIT, SHOULD A CONFLICT OCCUR THIS CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO INSTALLING AN ALTERNATE PIPING PLAN
3. ALL COUNTER MOUNTED LAVATORIES TO HAVE INSULATION ON ALL EXPOSED PIPES PER A.D.A. REQUIREMENTS.
4. ALL MATERIALS TO BE OF COMMERCIAL QUALITY AND INSTALLATION TO BE WARRANTED BY PLUMBING CONTRACTOR.
5. PLUMBING CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION.

NOTE:

- PROVIDE BACKFLOW PREVENTION DEVICES, I.E. VACUUM BREAKERS TO ALL THREADED FAUCETS, HOSE BIBBS, AND OUTSIDE FAUCETS.
- INSTALL SCREENS OR STRAINERS INSIDE ALL FLOOR SINKS.
- HEAT TRAPS: PROVIDED WITH HEAT TRAPS ON THE SUPPLY AND DISCHARGE PIPING ASSOCIATED WITH THE EQUIPMENT

PIPING INSULATION:

PIPING ON RETURN CIRCULATION HOT WATER SYSTEMS SHALL BE INSULATED WITH 1/2" OF INSULATION HAVING A CONDUCTIVITY NOT EXCEEDING 0.28 BTU PER INCH/4 FT² (REF. B04.4, B04.5 I.E.C.C.)

LEGEND :

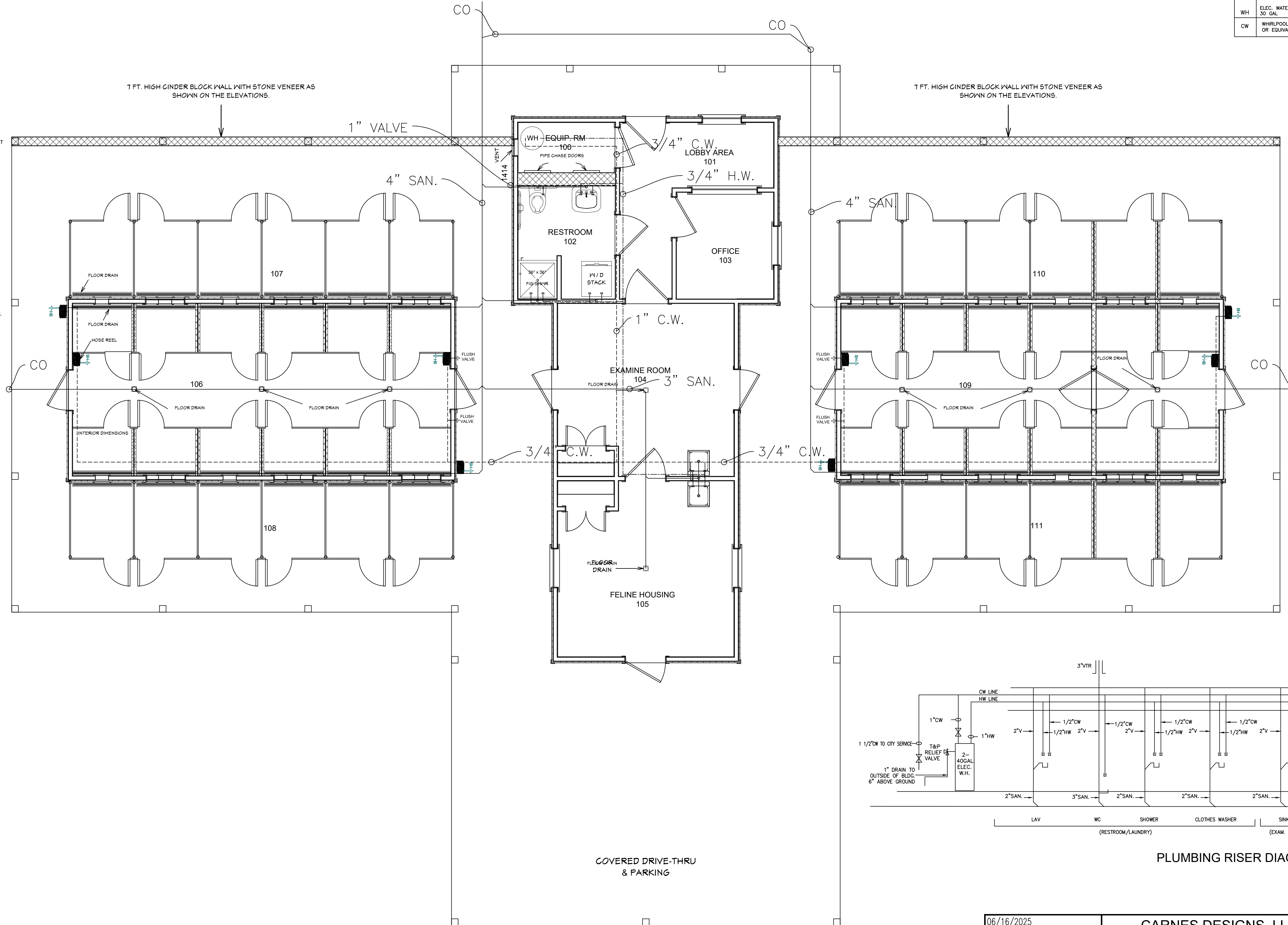
- COLD WATER LINE
- HOT WATER LINES
- SAN SEWER LINE
- AIR LINE

INTERIOR PIPING

- SANITARY WASTE - PVC SCH-40
- VENT PIPE - PVC SCH-40
- DOMESTIC WATER - TYPE "L" COPPER HARD DRAWN
- AIR LINE - GALVANIZED STEEL SCH-40

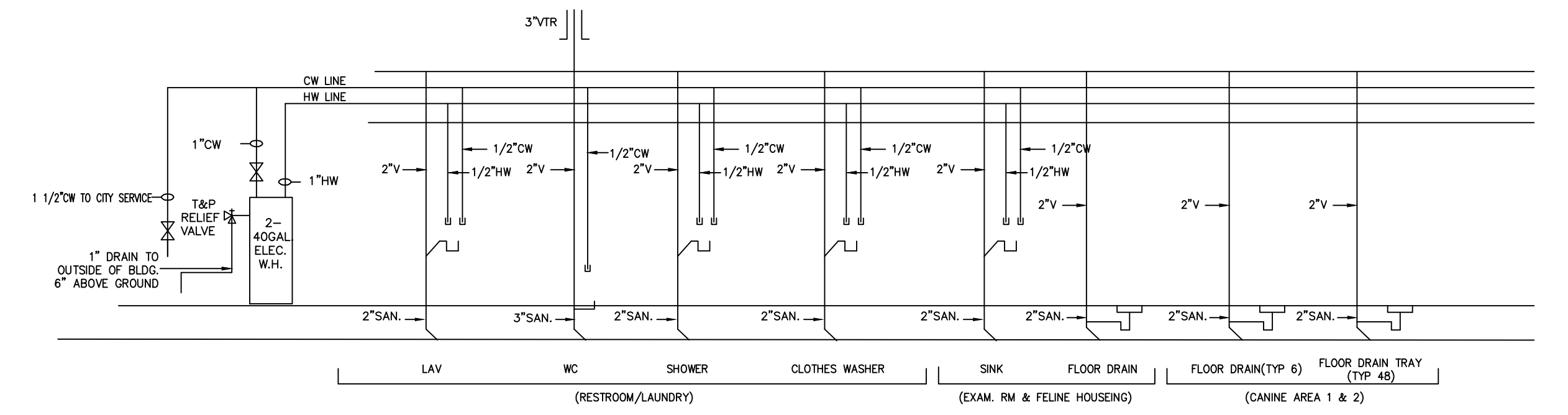
PLUMBING FIXTURE SCHEDULE

Mark	MANUFACTURE	CATALOG NO.	CW	HW	V	W	REMARKS
WC	AMERICAN STANDARDS MADERA,		3/4"	2"	2"	3"	
LAV.	AMERICAN STANDARDS LUCERNE WALL HUNG	0354-028	1/2"	1/2"	2"	2"	TOP OF FRONT RM MOUNTED 34" A.F.F.
SHW	DELTA KOHLER FIXTURE OR EQUIV.	88250-90	1/2"	1/2"	2"	2"	
FD	JOSAM	31120 SERIES LEVELEZE SUPER-FLO 9" TOP				2"	
CO	JOSAM	56050 SERIES LEVELEZE KLEENATRON				3"	
WH	ELEC. WATER HEATER 30 GAL		3/4"	3/4"			240V, 4500VA
CW	WHIRLPOOL OR EQUIVALENT		1/2"	1/2"	2"	2"	



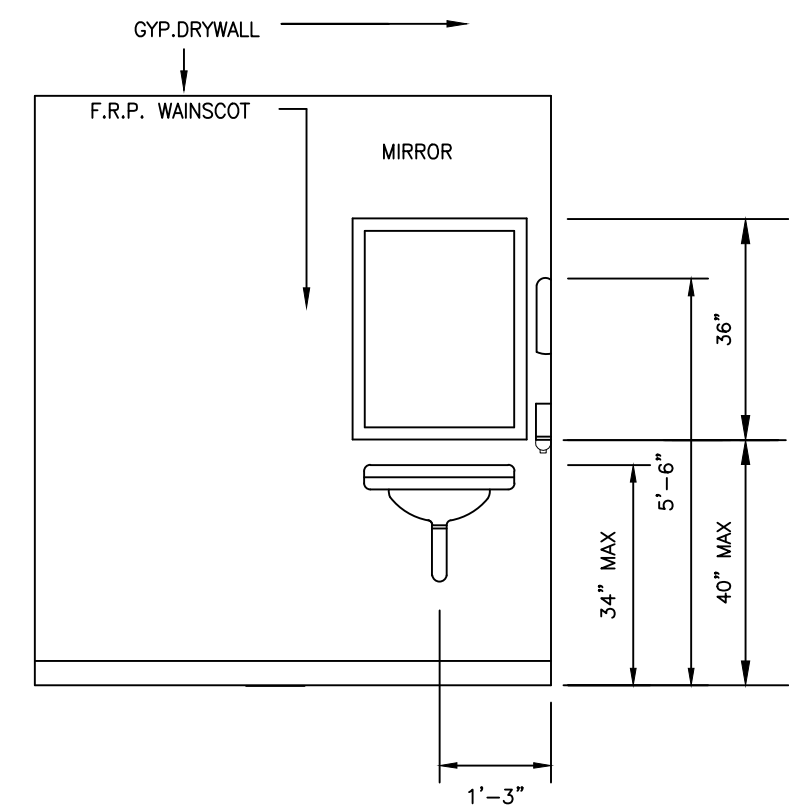
PLUMBING PLAN

SCALE: 1/4" = 1'

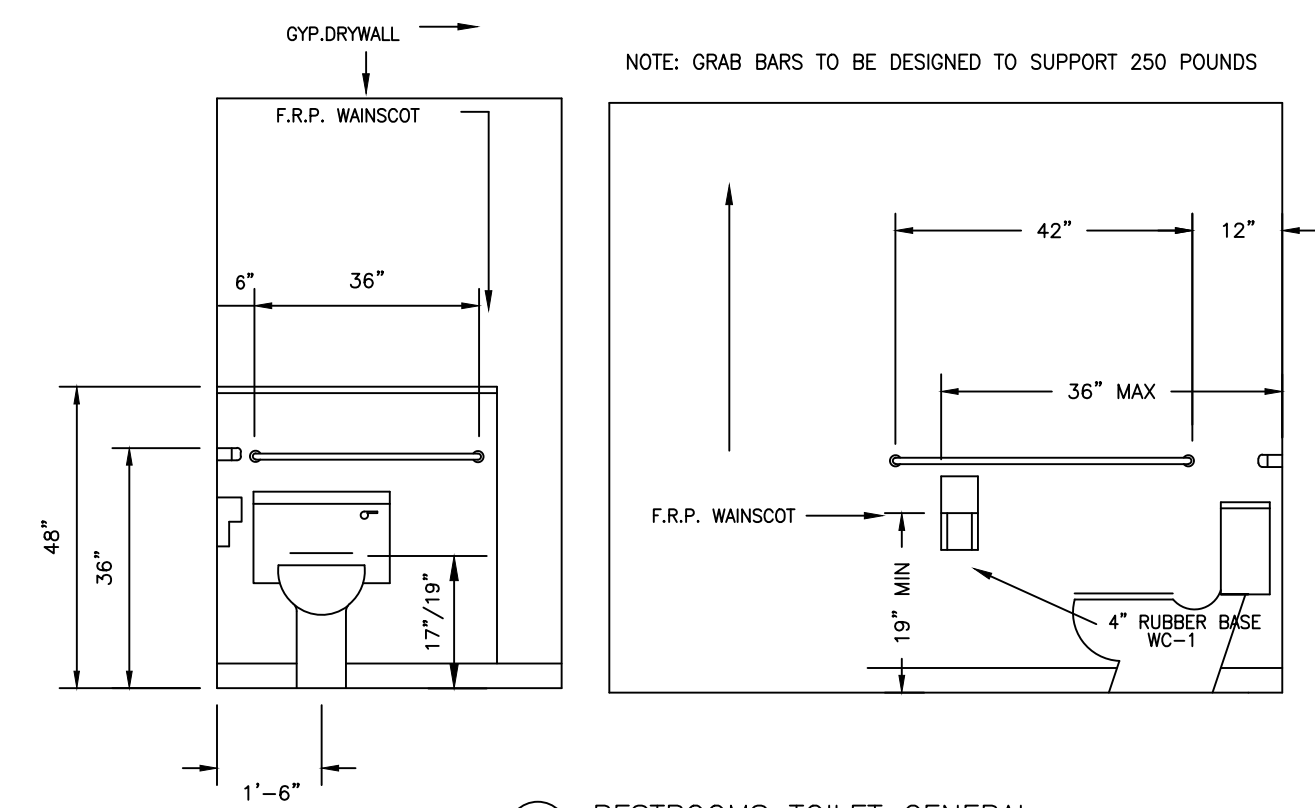


PLUMBING RISER DIAGRAM

	CARNES DESIGNS, LLC 12605 I.H. 10 EAST BAYTOWN, TEXAS 77523 (281) 385-1200 FAX (281) 385-0920 INFO@CARNESDESIGNS.COM WWW.CARNESDESIGNS.COM		CITY OF DAYTON ANIMAL SHELTER 2004 NORTH CLEVELAND DAYTON, TEXAS LIBERTY COUNTY	
	DESIGNED MM DRAWN MM CHECKED FILE		SCALE AS NOTED DATE 07/23/2024 SHEET NO. P-1	
F-11512 JDSI		REV DATE BY DESCRIPTION		

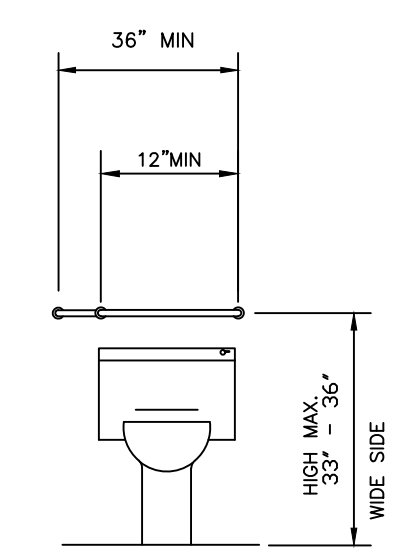


4 RESTROOMS SINK AND MIRROR
SCALE: N.T.S.

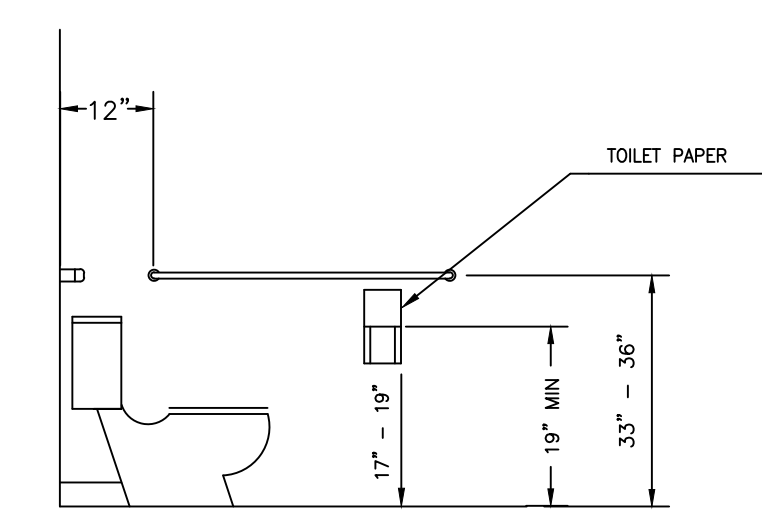


5 RESTROOMS TOILET GENERAL
SCALE: N.T.S.

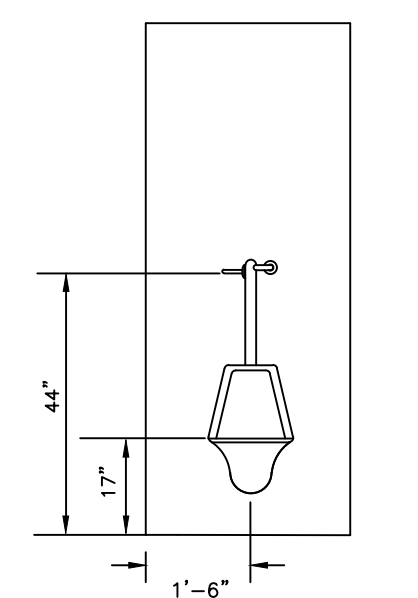
NOTE: GRAB BARS TO BE DESIGNED TO SUPPORT 250 POUNDS



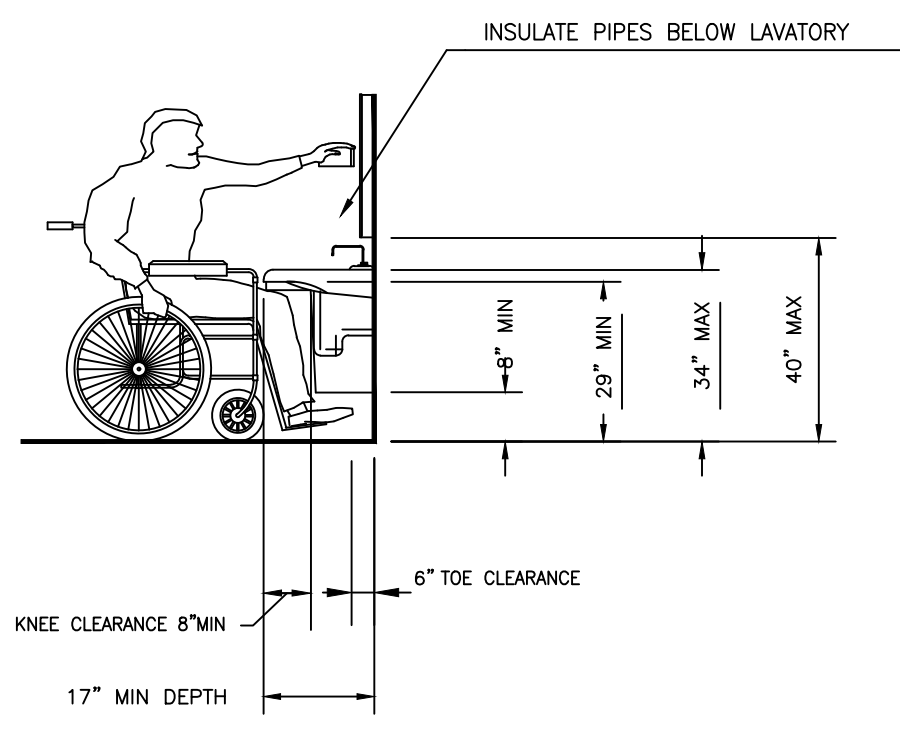
6 RESTROOMS TOILET REAR WALL
SCALE: N.T.S.



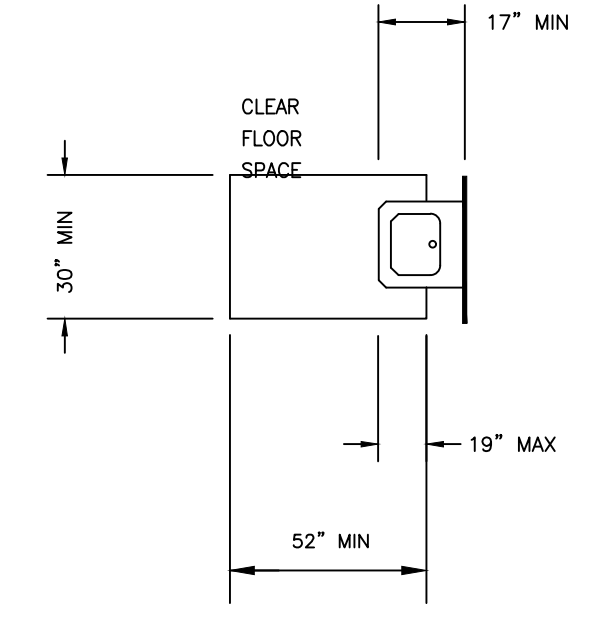
7 RESTROOMS TOILET SIDE WALL
SCALE: N.T.S.



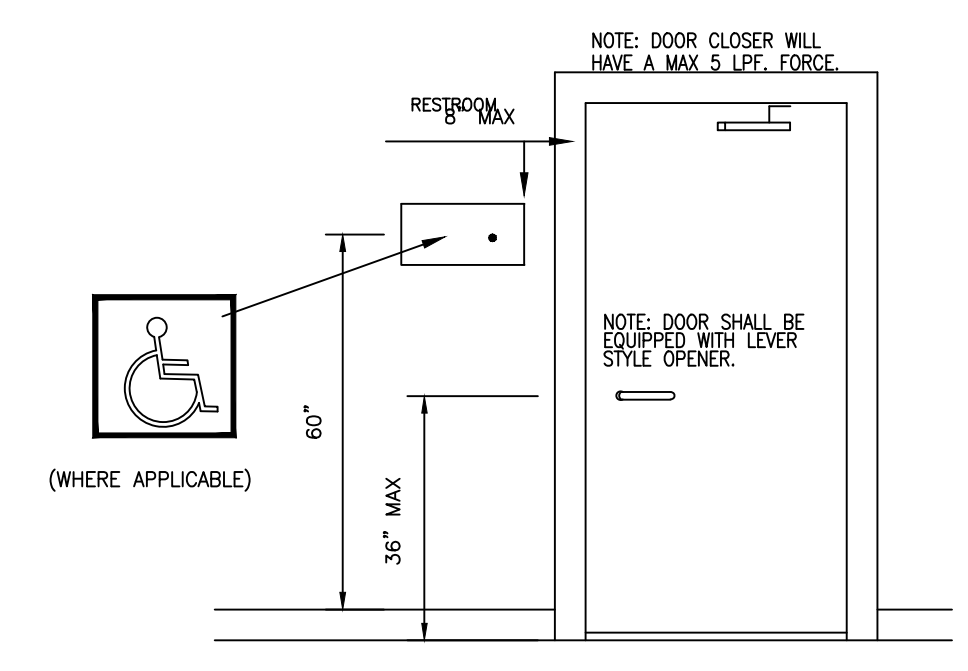
8 RESTROOMS URINAL
SCALE: N.T.S.



9 LAVATORY AND SINK CLEARANCES
SCALE: N.T.S.



10 CLEAR FLOOR SPACE AT LAVATORY AND SINK
SCALE: N.T.S.



11 TOILET ROOM DOOR SILLAGE DETAIL
SCALE: N.T.S.

06/16/2025

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REV	DATE	BY	DESCRIPTION

CITY OF DAYTON ANIMAL SHELTER
2004 NORTH CLEVELAND
DAYTON, TEXAS
LIBERTY COUNTY

TEXAS ACCESSIBILITY STANDARDS

DESIGNED	MM	SCALE	AS NOTED	SHEET NO.
DRAWN	MM	DATE	07/23/2024	TAS
CHECKED				
FILE				