



**APPENDIX B**  
**BUILDING CODE SUMMARY**  
**FOR ALL COMMERCIAL PROJECTS**

Name of Project: **EDGECOMBE COUNTY ANIMAL SHELTER**  
Address: **3005 ANACONDA ROAD TARBORO NC**  
Proposed Use: **BUSINESS-ANIMAL SHELTER**  
Owner or Authorized Agent: **ROGER LAYMAN** Phone # **704.756.3540** E-mail **ROGER@RLARCHITECTURE.COM**  
Owned By:  City/County  Private  State  State  NC  
Code Enforcement Jurisdiction:  City  Tarboro  County  Edgecombe  State  NC

**PROJECT SUMMARY/ Alternative Means of Compliance**

Building description: **PRE-ENGINEERED METAL BUILDING (PEMB)**

Scope of work details: **NEW CONSTRUCTION OF PEMB AND ASSOCIATED SITE/CIVIL WORK FOR AN ANIMAL SHELTER**

Does this project have air rights, easements, an assumed or deeded property line, no build easements or other circumstances similar to the aforementioned?  Yes  No  
Renovation projects only: If you are using Chapter 34 (3412-Existing buildings) in the NCSBC or NF(A 101 as an alternative for Code compliance please schedule a preliminary review before submitting your project for review Notes for Plans Examiner and Inspectors: Please reproduce the evaluation form on the plans.

If applicable to your project: Alternative Means of Compliance/ Engineering Judgement: (Approval needed from the Code Administrator is required before submitting)

Check if applicable to your project:  
 Industrial equipment with declaration document attached.  
 RTAP (Revision to approved plans.)

**LEAD DESIGN PROFESSIONAL:** RLArchitecture, PLLC

DESIGNER	FIRM	NAME	LICENSE #	PHONE #	E-MAIL
Architectural	RLArchitecture	Roger Layman	8795	704.756.3540	roger@rlarchitecture.com
Civil	Stocks Engineering	Michael Stocks	19843	252.459.8196	kvamell@stocksengineering.com
Electrical	Vrettos Engineering	Nick Vrettos	027395	704.756.8431	nvrettos@vrettoseng.com
Fire Alarm	Kairos Project Group	Ben Lewis	33293	919.719.3475	blewis@kpgnc.com
Plumbing	Kairos Project Group	Ben Lewis	33293	919.719.3475	blewis@kpgnc.com
Mechanical	Kairos Project Group	Ben Lewis	33293	919.719.3475	blewis@kpgnc.com
Sprinkler-Standpipe	Structura, Inc.	Doug Fitzpatrick	12965	704.987.9114	dfitzpatrick@structura-inc.com
Retaining Walls >5' H.	Structura, Inc.	Doug Fitzpatrick	12965	704.987.9114	dfitzpatrick@structura-inc.com
Other					

**TYPE OF WORK BEING PERFORMED**

- New Construction
- Addition: (An existing Building that is adding heated or unheated space.)
- Upfit: (First Time Interior Completion)
- Alteration / Renovation (Previously Occupied Space) This includes Change of Use.

**CODE DATA**

- Building Code:**  2015 (IBC) INTERNATIONAL BUILDING CODE (2018 NORTH CAROLINA BUILDING CODE AS ADOPTED BY NC STATE)  
 2012 REHAB CODE - Chapter 14 (attach building evaluation per section 1401.7)  
 2018 NC Existing Building Code

- New Building:**  New building  Shell building  
 First time interior completion (upfit)  
 Addition

- Existing Building:**  Change of use / occupancy  
 Building / tenant space interior completion (Alteration / Renovation)

**Year of construction:** \_\_\_\_\_ **Previous Use:** \_\_\_\_\_

**Alteration / Renovation projects:** Please see 3411 NCSBC for compliance for Accessibility for Existing Buildings  
A letter from the designer will be required to be reproduced on the plans to verify how compliance will be achieved. This can be placed on the plans after the Appendix B

**2018 NC EXISTING BUILDING CODE**

- 2012 NC REHAB CODE  
Check all that apply:  Repair  Renovation  Alteration  Reconstruction  Change of use  Addition  
**Justification for using the REHAB code:**

N/A

**2015 NC EXISTING BUILDING CODE**

- Check all that apply:  Repair  Alteration Level 1  Alteration Level 2  Alteration Level 3  Change of Occupancy  Addition  
Alteration/Renovations projects: Please see Section 410.7 of the NC Existing Building Code for compliance for Accessibility for Existing Buildings.  
A letter from the designer will be required to be reproduced on the plans to verify compliance will be achieved.

Existing Building Data: (for NC Rehab or NC Existing Building Code)  
 Last known legal occupancy use \_\_\_\_\_ Historic Property:  Yes  No  
Original Building Construction Date: \_\_\_\_\_ Date of Preliminary Meeting: \_\_\_\_\_

**Reviewers Notes for Field Inspector:**

N/A

**BASIC BUILDING DATA**

Construction Type: (Table 601)  I-A  II-A  III-A  IV-ht  V-A  
(Check all that apply)  I-B  II-B  III-B  IV-B

Sprinklers: (Section 903)  No  Partial  Yes  NFPA 13.07  NFPA 13R.07  NFPA 13D.07  
Standpipes: (Section 905)  No  Yes Class:  I  II  III  Wet  Dry NFPA 14-07  
Fire District:  No  Yes (Primary) Flood Hazard Area:  
Flood Hazard Area: (Appendix G)  No  Yes  
Building Height: 24'-10" Feet (Table 503)

Gross Building Area:  
FLOOR EXISTING NEW RENO/UPFIT  
3rd Floor - - - -  
2nd Floor - - - -  
1st Floor - - 13,194 - -  
Basement - - - -  
TOTAL 13,194 SQ.FT.

**ALLOWABLE AREA**

- Occupancy:  
 Assembly 303  A-1  A-2  A-3  A-4  A-5  
 Business 304  
 Education 305  
 Factory 306  F-1 Moderate  F-2 Low  
 Hazardous 307  H-1 Detonate  H-2 Deflagrate  H-3 Combust  H-4 Health  H-5 HPM  
 Institutional 308  I-1  I-2 Hospitals  I-3 Jails  I-4 Day Care  
I-3 Condition:  1  2  3  4  5  
 Mercantile 309  
 Residential 310  R-1 Hotels  R-2 Apts  R-3  R-4  
 Storage 311  S-1 Moderate  S-2 Low  High-piled  
 Parking Garage  Open  Enclosed  Repair Garage  
 Utility and Miscellaneous 312
- Accessory Occupancy: (less or equal to 10%): (508) If Applicable  
 Assembly 303  A-1  A-2  A-3  A-4  A-5  
 Business 304  
 Education 305  
 Factory 306  F-1 Moderate  F-2 Low  
 Hazardous 307  H-1 Detonate  H-2 Deflagrate  H-3 Combust  H-4 Health  H-5 HPM  
 Institutional 308  I-1  I-2 Hospitals  I-3 Jails  I-4 Day Care  
I-3 Condition:  1  2  3  4  5  
 Mercantile 309  
 Residential 310  R-1 Hotels  R-2 Apts  R-3  R-4  
 Storage 311  S-1 Moderate  S-2 Low  High-piled  
 Parking Garage  Open  Enclosed  Repair Garage  
 Utility and Miscellaneous 312

- Incidental Uses: If applicable- areas with additional reqmts (Table 508.2.5)  
 Furnace room where any piece of equipment is over 400,000 Btu per hour input  
 Rooms with boilers where the largest piece of equipment is over 15 psi and 10 horsepower  
 Refrigerant machine room  
 Hydrogen cutoff rooms, not classified as Group H  
 Incinerator rooms  
 Paint shops, not classified as Group H, located in occupancies other than Group F  
 Laboratories and vocational shops, not classified as Group H, located in a Group E or I-2 occupancy  
 Laundry rooms over 100 square feet  
 Group I-3 cells equipped with padded surfaces  
 Group I-2 waste and linen collection rooms  
 Waste and linen collection rooms over 100 square feet  
 Stationary storage battery systems having a liquid electrolyte capacity of more than 50 gallons, or a lithium-ion capacity of .000 pounds used for facility standby power, emergency power or uninterrupted power supplies  
 Rooms containing fire pumps  
 Group I-2 storage rooms over 100 square feet  
 Group I-2 commercial kitchens  
 Group I-2 laundries equal to or less than 100 square feet  
 Group I-2 rooms or spaces that contain fuel-fired heating equipment

Special Uses:  402  403  404  405  406  407  408  409  410  411  412  413  414  
 415  416  417  418  419  420  421  422  423  424  425  426  427

Special Provisions:  509.2  509.3  509.4  509.5  509.6  509.7  509.8  509.9

Mixed Occupancy: 508.3  No  Yes  Separation: N/A Exception: \_\_\_\_\_  
 Incidental Use Separation (508.2.5)  
This separation is not exempt as a Non-Separated Use (see exceptions).

Non-Separated Mixed Occupancy (508.3.2)  
The required type of construction for the building shall be determined by applying the height and area limitation for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.

Separated Mixed Occupancy (508.3.3) - See below for area calculations  
For each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

$$\frac{3798}{92000} + \frac{9396}{34000} = \frac{.04}{.27} = .31 \leq 1.00$$

STORY NO.	DESCRIPTION AND USE	(A) BLDG. AREA PER STORY (ACTUAL)	(B) TABLE 506.2 AREA	(C) AREA FOR OPEN SPACE INCREASE <sup>1</sup>	(D) AREA FOR SPRINKLER INCREASE <sup>2</sup>	(E) ALLOWABLE AREA OR UNLIMITED <sup>3</sup>	(F) MAXIMUM BUILDING AREA <sup>4</sup>
BUSINESS	B	3798	92,000	-	-	92,000	92,000
UTILITY	U	9396	34,000	-	-	34,000	34,000
TOTAL		13,194	34,000				34,000

- <sup>1</sup> Frontage area increases from Section 506.2 are computed thus:  
a. Total Building Perimeter = (P)  
b. Perimeter which limits a public way or open space having 20 feet minimum width = (F)  
c. Ratio (F/P) = (F/P)  
d. W = Minimum width of public way = (W)  
e. Percent of frontage increase 1 = 100 [F/P - 0.25] x W/30 = (%)  
<sup>2</sup> The sprinkler increase per Section 506.3 is as follows:  
a. Multi-story building I = 200 percent  
b. Single story building I = 300 percent  
<sup>3</sup> Unlimited area applicable under conditions of Section 507.  
<sup>4</sup> Maximum Building Area = total number of stories in the building X E (506.4).  
control towers must comply with 412.1.2.  
<sup>5</sup> The maximum area of parking garages must comply with 406.3.5. The maximum area of air traffic

**ALLOWABLE HEIGHT**

TYPE OF CONSTRUCTION	TYPE	IL-B	IL-B	503
Building Height in Feet	Feet: <u>55'-0"</u>	Feet: <u>H+20'= N/A</u>	Feet: <u>24'-10"</u>	503
Building Height in Stories	Stories: <u>2</u>	Stories: <u>1= N/A</u>	Stories: <u>1</u>	503

**FIRE PROTECTION REQUIREMENTS** (Tables 601 & 602 & Chapter 7)

Life Safety Plan Sheet #, if provided SHEET G-103

	DISTANCE (FEET)	(W * REDUCTION)	SHEET #	RATED ASSEMBLY	PENETRATED	RATED JOINTS
Structural Frame, including columns, girders, trusses	-	N/A	-	-	-	-
Bearing Walls	-	N/A	-	-	-	-
Exterior	-	N/A	-	-	-	-
North	30 < X	0	-	-	-	-
East	30 < X	0	-	-	-	-
West	30 < X	0	-	-	-	-
South	30 < X	0	-	-	-	-
Interior walls & partitions	-	N/A	-	-	-	-
Nonbearing walls and Partitions	-	N/A	-	-	-	-
Exterior (T602)	-	N/A	-	-	-	-
North	-	N/A	-	-	-	-
East	-	N/A	-	-	-	-
West	-	N/A	-	-	-	-
South	-	N/A	-	-	-	-
Interior walls & partitions	-	-	-	-	-	-
Floor Construction including supporting beams and joists (1)	-	N/A	-	-	-	-
Roof Construction*** including supporting beams and joists (1)	-	N/A	-	-	-	-
Shafts - Exit (S708.4)	-	N/A	-	-	-	-
Shafts - Other (S708.4)	-	N/A	-	-	-	-
Corridor Separation (T1018.1)	-	NR	-	-	-	-
Exit Passageway (S1023.3)	-	N/A	-	-	-	-
Occupancy Separation (T508.4)	-	N/A	-	-	-	-
Party/Fire Wall Separation	-	N/A	-	-	-	-
Smoke Barrier Separation	-	N/A	-	-	-	-
Tenant Separation (S402.2)	-	N/A	-	-	-	-
Incidental Use Separation	-	1HR	-	A301	U904	-

\* Indicate section number permitting reduction (1) Ceiling panels are not a part of floor/roof assembly.  
\*\* 0-4 hours or N/A (Define reasons for N/A in the project summary.)  
N.C. = Non Combustible  
N.R. = Not Required  
T = Table  
N/A = Not Applicable  
S = Section

**PERCENTAGE OF WALL OPENING CALCULATIONS** Table 705.8

Fire Separation Distance (Feet) From Prop. Line	Degree of Openings Protection (Table 705.8.2)	(%) Allowable Area	(%) Actual Shown on Plans
			N/A (NOT APPLICABLE)

**WALL LEGENDS**

- Fire Walls 706  Fire Barriers 707  Shaft Enclosure 708  Fire Partitions 709  Smoke Barriers 710
- Smoke Partitions 711  No Rated walls are present

**LIFE SAFETY SYSTEM REQUIREMENTS**

- Emergency Lighting: S1006  No  Yes
- Exit Signs: S1011  No  Yes
- Fire Alarm: S907, NFPA 72-07  No  Yes
- Smoke Detection Systems: S907  No  Yes  Partial
- Panic Hardware: S1008.1.10  No  Yes
- Life safety systems generator (2702.2)  No  Yes

**LIFE SAFETY PLAN CHECK LIST FOR COMPLIANCE**

- (Required to be completed for all projects)  
Check items that are applicable to your project.  
 Fire and/or smoke rated wall locations (Chapter 7)  
 Assumed and red property line locations  
 Exterior wall opening area with respect to distance to assumed property lines (705.8)  
 Existing structures within 30' of the proposed building  
 Occupancy types for each area as it relates to occupant load calculation (Table 1004.1.1)  
 Occupant loads for each area  
 Exit access travel distances (1016)  
 Common path of travel distances (1014.3 & 1028.8)  
 Dead end lengths (1016.4)  
 Clear exit widths for each exit door  
 Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.1)  
 Actual occupant load for each exit door  
 A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation  
 Location of doors with panic hardware (1008.1.10)  
 Location of doors with delayed egress locks and the amount of delay (1008.1.9.7)  
 Location of doors with electromagnetic egress locks (1008.1.9.8)  
 Location of doors equipped with hold-open devices  
 Location of emergency escape windows (1029)  
 The square footage of each fire area (902)  
 The square footage of each smoke compartment (407.4)  
 Note any code exceptions or table notes that may have been utilized regarding the items above

**EXIT REQUIREMENTS** \*\*This section is required to be completed for all projects.

**NUMBER AND ARRANGEMENT OF EXITS**

FLOOR, ROOM OR SPACE DESIGNATION	MINIMUM <sup>2</sup>		ARRANGEMENT MEANS OF EXITS <sup>1,3</sup> (SECTION 1015.2)			
	REQUIRED NUMBER OF EXITS	SHOWN ON PLANS	ALLOWABLE TRAVEL DISTANCE (TABLE 1016.1)	ACTUAL TRAVEL DISTANCE SHOWN ON PLANS	REQUIRED DISTANCE BETWEEN EXIT DOORS	ACTUAL DISTANCE SHOWN ON PLANS
FIRST FLOOR	2	6	200'	74'-0"	76'-0"	74'-0"
** SEE SHEET G-103 (LIFE SAFETY) FOR MORE INFORMATION						

- <sup>1</sup> Corridor Dead Ends (Section 1018.4)  
<sup>2</sup> Single Exits for Building (Table 1021.2), Single Exits for Room or Space (Section 1015.1)  
<sup>3</sup> Common Path of Travel (Section 1014.3)

**OCCUPANT LOAD AND EXIT WIDTH**

USE GROUP OR SPACE DESCRIPTION	(a) AREA <sup>1</sup> sq. ft.	(b) AREA PER OCCUPANT (No.) (Table 1004.1.1)	(c) EGRESS WIDTH PER OCCUPANT (Section 1005.1)		EXIT WIDTH (in) <sup>3,4,5,6,7</sup>		
			STAIR LEVEL	STAIR LEVEL	STAIR LEVEL	STAIR LEVEL	LEVEL
BUSINESS	3,798	100 (38)	0.2	7.6	-	-	180
UTILITY	9,396	300 (32)	0.2	6.4	-	-	180
TOTAL - ** SEE SHEET G-103 (LIFE SAFETY) FOR MORE INFORMATION							

- <sup>1</sup> See Table 1004.1.1 to determine whether net or gross area is applicable. See definition "Area, Gross" and "Area, Net" (Section 1002).  
<sup>2</sup> Minimum stairway width (Section 1009.1); min. corridor width (Section 1018.2); min. door width (Section 1008.1.1)  
<sup>3</sup> Minimum width of exit passageway (Section 1023.2)  
<sup>4</sup> See Section 1004.5 for converging exits.  
<sup>5</sup> The loss of one means of egress shall not reduce the available capacity to less than 50 percent of the total required (Section 1005.1)  
<sup>6</sup> Assembly Occupancies (Section 1028).  
<sup>7</sup> Spaces within occupancies or use groups shall be calculated independently. (i.e. Lobbies, lounges, conference)

**ACCESSIBLE DWELLING UNITS (SECTION 1107)** N/A (NOT APPLICABLE)

TOTAL ACCESSIBLE UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED
-	-	-	-	-	-	-	1

**ACCESSIBLE PARKING** Table 1106.1 **SEE CIVIL DRAWINGS**

LOT OR PARKING AREA	TOTAL #	
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### EGRESS AND LIFE SAFETY NOTES GENERAL NOTES

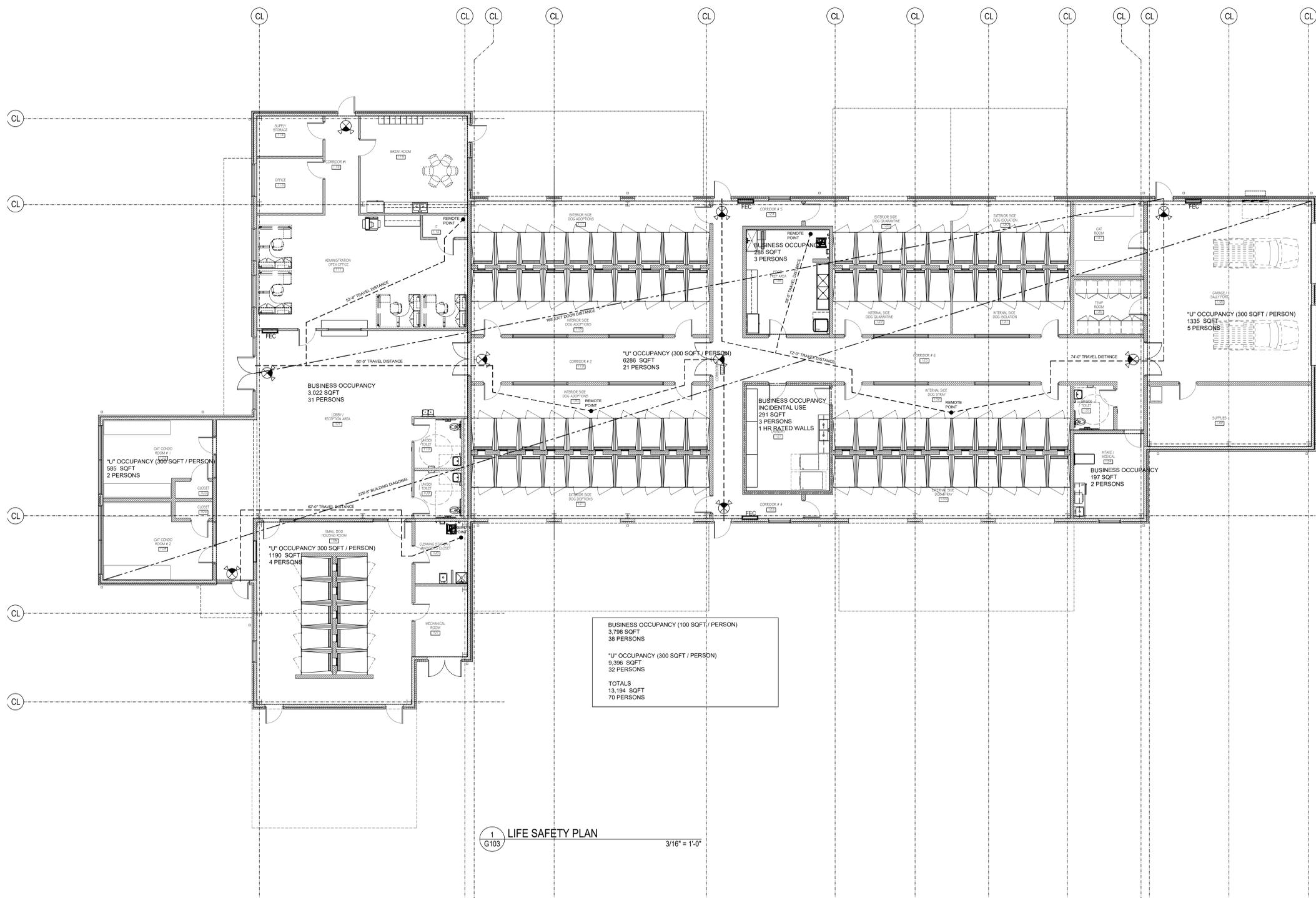
- EXIT DOORS SHALL BE OPENABLE FROM THE EGRESS SIDE WITHOUT SPECIAL KNOWLEDGE, EFFORT OR THE USE OF A SPECIAL KEY OR LATCH.
- EXTERIOR DOORS SHALL REQUIRE NO MORE THAN 15 LBS FORCE TO OPEN.
- INTERIOR DOORS SHALL REQUIRE NO MORE THAN 5 LBS FORCE TO OPEN.
- MEANS OF EGRESS SHALL BE ILLUMINATED AT ANY TIME THE BUILDING IS OCCUPIED WITH LIGHT HAVING AN INTENSITY OF NOT LESS THAN ONE FOOT CANDLE AT WALKING SURFACE LEVEL. EXIT ILLUMINATION FIXTURES SHALL BE ON A SEPARATE NIGHT LIGHT CIRCUIT WITH BATTERY BACK-UP. EXIT ILLUMINATION SHALL BE PROVIDED FOR NOT LESS THAN 90 MINUTES VIA STORAGE BATTERIES.
- CORRIDORS SHALL BE MAINTAINED WITH A MINIMUM CLEAR WIDTH OF 44" AND 7'-6" MINIMUM HEIGHT.
- EXIT DOORS SHALL BE A MINIMUM OF 32" CLEAR WIDTH & MAXIMUM 48" WIDE LEAF. MINIMUM 6'-8" DOOR HEIGHT.
- DOORS IN ANY POSITION SHALL NOT REDUCE THE REQUIRED CORRIDOR EXIT WIDTH BY MORE THAN HALF.
- MAIN EXIT DOORS WITHOUT PANIC HARDWARE SHALL HAVE A SIGN WITH LETTERS ON A CONTRASTING BACKGROUND STATING: "DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS". ARCHITECT SHALL NOT BE HELD RESPONSIBLE FOR ANY CONSEQUENCES WHICH MAY RESULT FROM THE CHANGE OF USE OR OCCUPANT LOAD AFTER PROJECT COMPLETION.
- EXIT SIGNAGE SHALL BE INTERNALLY ILLUMINATED AT ALL TIMES WITH EMERGENCY ELECTRICAL BACK-UP POWER.
- EXIT SIGN ILLUMINATION SHALL NOT BE LESS THAN 5 FOOT CANDLES. EXIT SIGNS SHALL HAVE TWO POWER SOURCES, ONE FROM THE PREMISES WIRING SYSTEM, THE OTHER FROM BATTERIES.
- FINAL PLACEMENT OF EXIT SIGNS IS SUBJECT TO APPROVAL AND MODIFICATION OF THE FIRE DEPARTMENT FIELD INSPECTOR.

### LIFE SAFETY PLAN ABBREVIATIONS:

- A-3 ASSEMBLY OCCUPANCY
- S1 STORAGE OCCUPANCY
- E.L. EXIT LIGHT
- E.E.L. EXTERIOR EMERGENCY LIGHTING
- E.W. EGRESS WIDTH
- M.O.L. MAXIMUM OCCUPANCY LOAD
- A.O.L. ACTUAL OCCUPANCY LOAD
- F.E. FIRE EXTINGUISHER MIN. 2-A-10-B.C.
- F.E.C. FIRE EXTINGUISHER CABINET
- T.D. TRAVEL DISTANCE
- U.L.D. DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS
- F.S.A. FIRE ALARM AND STROBE UNIT
- P.H. PANIC HARDWARE
- R.P. REMOTE POINT

### LIFE SAFETY PLAN LEGEND:

- PATH OF TRAVEL
- - - - - EXIT SEPARATION & BUILDING DIAGONAL
- ▬▬▬ 1-HR RATED WALL @ LAUNDRY ROOM
- EXIT SIGN
- EMERGENCY LIGHT PACK
- REMOTE POINT
- F.E.C. FIRE EXTINGUISHER CABINET



1 LIFE SAFETY PLAN  
G103 3/16" = 1'-0"

DRAWING TITLE:  
**LIFE SAFETY PLAN**

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**BID SET 7.22.2024**

REVISIONS	
NO.	DESCRIPTION

DATE: 7.21.2024  
PROJECT #: 2022.74  
SCALE: AS NOTED  
DRAWN BY: RL

**GENERAL SYMBOLS AND LEGENDS**

**SHEET NUMBER**  
 SHEET NUMBER  
 DISCIPLINE CODE

**NORTH ARROW**  
 PLAN NORTH

**COLUMN SYMBOL & GRID LINES**  
 COLUMN SYMBOL & GRID LINES

**INTERIOR ELEVATION TAG**  
 INTERIOR ELEVATION TAG

**DATUM POINT**  
 DATUM POINT

**SPOT ELEVATION**  
 SPOT ELEVATION

**BREAK LINE**  
 BREAK LINE

**CENTER LINE**  
 CENTER LINE

**ROOM NAME AND NUMBER TAG**  
 ROOM NAME AND NUMBER TAG

**EQUIPMENT TAG**  
 EQUIPMENT TAG

**EQUIPMENT TAG**  
 EQUIPMENT TAG

**REVISION TAG**  
 REVISION TAG

**OBJECT STATE**  
 E EXISTING TO REMAIN  
 N NEW  
 R RELOCATED  
 X EXISTING TO BE REMOVED

**DOORS**  
 NEW DOORS  
 EXISTING DOORS

**GRAPHIC SCALE**  
 SCALE: 0 4 8 16'

**SINK - COUNTER MOUNT**  
 SINK - COUNTER MOUNT

**URINAL**  
 URINAL

**MOP UTILITY SINK**  
 MOP UTILITY SINK

**HIGHLOW DRINKING FOUNTAIN W/ INTEGRATED BOTTLE FILLING STATION**  
 HIGHLOW DRINKING FOUNTAIN W/ INTEGRATED BOTTLE FILLING STATION

**BUILDING SECTION TAG**  
 BUILDING SECTION TAG

**WALL SECTION TAG**  
 WALL SECTION TAG

**DETAIL SECTION TAG**  
 DETAIL SECTION TAG

**EXTERIOR ELEVATION TAG**  
 EXTERIOR ELEVATION TAG

**PARTIAL PLAN & DETAIL TAG**  
 PARTIAL PLAN & DETAIL TAG

**PARTIAL PLAN & DETAIL TAG**  
 PARTIAL PLAN & DETAIL TAG

**VIEW NAME**  
 VIEW NAME

**WALL TYPE LEGEND**  
 WALL TYPE LEGEND

**FIRE EXTINGUISHER**  
 FIRE EXTINGUISHER

**PLUMBING FIXTURES**  
 PLUMBING FIXTURES

**ABBREVIATIONS**

&	AND	N	NORTH
@	AT	NO./#	NUMBER
A	ABOVE FINISH FLOOR	NR	NOISE REDUCTION
ACP	ACOUSTICAL CEILING PANEL	NRC	NOISE REDUCTION COEFFICIENT
ACT	ADJUSTABLE	NIC	NOT IN CONTRACT
ADJ	AIR CONDITIONING	NTS	NOT TO SCALE
AC	ALTERNATE	O	ON CENTER(S)
ALT	ALUMINUM	OC	OPENING
ALUM	APPROXIMATE	O.H.	OPPOSITE HAND
APPROX	ARCHITECT(URAL)	OPT	OPTIONAL
ARCH	AREA DRAIN	OD	OUTSIDE DIAMETER
AD		P	PANIC HARDWARE
B	BEAM	PTD	PAINT(ED)
BM	BEVELED	PR	PAIR
BEV	BOARD	PNL	PANEL
BD	BOTTOM	PTN	PARTITION
BOT	BUILDING	PL	PLATE
BLDG		PERF	PERFORATE(D)
C	CABINET	PLAS	PLASTER OR PLASTIC
CBT	CARPET(ED)	PLAM	PLASTIC LAMINATE
CPT	CASED OPENING	PLUMB	PLUMBING
C.O.	CEILING	PLUM	PLUMB
CLG	CENTER	PRF	PREFABRICATE(D)
CTR	CENTERLINE	PFN	PREFINISHED
CL	CERAMIC TILE	PRF	PREFORMED
CHAM	CIRCLE	PT	PRESSURE TREATED
CH	CHAMFER	Q	QUANTITY
CHAM	CIRCLE	QT	QUARRY TILE
CLR	CLEAR(ANCE)	R	ROOF DRAIN
CLO	CLOSE	RD	RECEPTACLE
COL	COLUMN	REF	REFERENCE
CONC	CONCRETE	REFR	REFRIGERATOR
CONC	CONCRETE MASONRY UNIT	REFR	REFRIGERATING
CONSTR	CONSTRUCTION	REM	REMOVE
CONSTR	CONSTRUCTION MANAGER	REQD	REQUIRED
CS	CONSTRUCTION SPECIFICATIONS	RESIL	RESILIENT
CONT	CONTINUOUS OR CONTINUE	REV	REVISE(D)(ION)
CONTR	CONTRACTOR	RO	ROUGH OPENING
COORD	COORDINATE	RB	RUBBER BASE
CRB	COVERED RUBBER BASE	RBT	RUBBER TILE
COMBO	DUNKIN'/BASIN	S	SCHEDULE
D	DEMOLISH, DEMOLITION	SCHED	SCHEDULE
DEMO	DETAIL OR DET.	SECT.	SECTION
DTL	DIAMETER	SV	SHEET VINYL
DIA	DIMENSION	SWR	SHELF AND ROD
DIM	DOOR	SHR	SHOWER
DR	DOUBLE	SIM	SIMILAR
DBL	DOWN	SPEC	SPECIFICATION(S)
DN	DOWNSPOUT	SQ	SQUARE FEET
DS	DRAWING(S)	S.S.	STAINLESS STEEL
DBI	DUNKIN' BRANDS INC	STB	STANDARD BUILDING CODE
E	EACH	STD	STANDARD
ELEC	ELECTRIC(AL)	STL	STEEL
EQU	EQUAL	STOR	STORAGE
EQUIP	EQUIPMENT	SUSP	SUSPENDED
ERD	EMERGENCY ROOF DRAIN	CL	CLOSED CEILING
EXIST	EXISTING	SW	SHEAR WALL
EXP	EXPANSION	SAFB	SOUND ATTENUATION FIRE BATTS
ELEV	ELEVATOR	SYS	SYSTEM
EL	ELEVATION	SCW	SOLID CORE WOOD
EW	ELECTRIC WATER COOLER	STN	STAIN
EXT	EXTERIOR	STRUCT	STRUCTURE
F	FABRIC WALL COVERING	T	TRENCH DRAIN
F/WC	FACE OF	TEMP	TEMPERED
FO	FINISHED	TIME	TO MATCH EXISTING
FIN	FINISH FLOOR	TOP	TOP OF
FD	FLOOR DRAIN	TYP	TYPICAL
FS	FLOOR SINK	THK	THICKNESS
FEC	FIRE EXTINGUISHER	THR	THRESHOLD
FEC	FIRE EXTINGUISHER CABINET	THRU	THROUGH
FR	FIRE RATED/TREATED	TR	TRANSOM
FR	FLOORING	TRT	TREATED
FLOR	FLOORING	UC	UNDER COUNTER
FT	FOOT OR FEET	U.D.B.H.	UNLOCKED DURING BUSINESS HOURS
FBO	FURNISHED BY OTHERS	U.O.N.	UNLESS OTHERWISE NOTED
FURN	FURNITURE	U.N.C.	UNLESS NOTED OTHERWISE
FURR	FURR(ED), (ING)	U.O.S.	URBAN OPEN SPACE (UOS)
FUT	FUTURE	V	VACT
G	GALVANIZED	VEN	VENEER
GALV	GAUGE	VERT	VERTICAL
GA	GENERAL CONTRACTOR	VIN	VINYL
GC	GLASS, GLAZING	VB	VINYL BASE
GLS	GRANITE	VCT	VINYL COMPOSITION TILE
GRAN	GROUT	VT	VINYL TILE
GRT	GYP	VWC	VINYL WALL COVERING
GYP	GYP	VLF	VINYL PLANK TILE
GWB	GYP	W	WALK IN BOX
GWB	GYP	W.I.B.	WALK TO WALL
H	HOSE BIB	WC	WATER CLOSET
HB	HARDWARE	WP	WATERPROOFING
HWD	HARDWOOD	WT	WEIGHT
HDR	HEADER	WWM	WELDED WIRE MESH
HM	HOLLOW METAL	WIN	WINDOW
HVAC	HEATING, VENTILATION AND AIR CONDITIONING	WI	WIDTH
HGT	HEIGHT	W/O	WITHOUT
HC	HOLLOW CORE	WD	WOOD
HORIZ	HORIZONTAL	WB	WOOD BASE
I	INCLUDE(D), (ING)	WS	WEATHER STRIPPING
INCL	INSIDE DIAMETER	WSCT	WAINSCOT
I.D.	INSULATE(D), (ION), (ING)		
INSUL	INTERIOR		
INT	INTERNATIONAL BUILDING CODE		
IBC	INSULATED METAL		
IM	J		
J	JANITOR'S CLOSET		
JAN.	JOINT		
JT	K		
K	KICKPLATE		
KIT.	KITCHEN		
KIT.	L		
L	LAVATORY		
LAV	LENGTH		
L	LABEL		
LBL	LAMINATE(D)		
LAM	LIGHT		
LT	LOCKER		
LCKR	M		
M	MANUFACTURE(R)		
MFR	MASONRY		
MAS	MASONRY OPENING		
MO	MATERIAL(S)		
MATL	MAXIMUM		
MAX	MECHANICAL		
MECH	METAL		
MTL	MILLWORK		
MWK	MINIMUM		
MN	MISCELLANEOUS		
MISC	MOUNTED		
MTD	MULLION		
MULL			



**EDGECOMBE COUNTY**  
**ANIMAL SHELTER**  
 3005 ANACONDA ROAD  
 TARBORO, NC 27886



**DRAWING TITLE:**  
**GENERAL SYMBOLS & LEGENDS**  
**RESPONSIBILITY MATRIX**

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**BID SET 7.22.2024**

REVISIONS	
NO.	DESCRIPTION

DATE: 7.21.2024  
 PROJECT # 2022.74  
 SCALE: AS NOTED  
 DRAWN BY: RL



**G-104**

REVISIONS		
NO.	DATE	DESCRIPTION

DATE: 7.21.2024  
PROJECT #: 2022.74  
SCALE: AS NOTED  
DRAWN BY: RL

THE FOLLOWING INFORMATION HAS BEEN TAKEN FROM THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN AND THE ICC A117.1-2017. PLEASE REFER TO THESE DOCUMENTS FOR REMAINING SECTIONS.

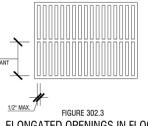
**302 - FLOOR OR GROUND SURFACES**

**SECTION 302.2 - CARPET**  
A. CARPET OR CARPET TILE SHALL BE SECURELY ATTACHED AND SHALL HAVE A FIRM CUSHION, PAD, OR BACKING NOT CUSHION OR PAD. CARPET OR CARPET TILE SHALL HAVE A LEVEL, LOOP, TEXTURE LOOP, LEVEL CUT PILE, OR LEVEL CUT/NO CUT PILE TEXTURE. PILE HEIGHT SHALL BE 1/2" MAXIMUM. EXPOSED EDGES OF CARPET SHALL BE FASTENED TO FLOOR SURFACES AND SHALL HAVE TRIM ON THE ENTIRE LENGTH OF THE EXPOSED EDGE. CARPET EDGE TRIM SHALL COMPLY WITH 303.



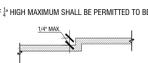
**SECTION 302.3 - OPENING**

A. OPENINGS IN FLOOR OR GROUND SURFACE SHALL NOT ALLOW PASSAGE OF A SPHERE MORE THAN 2" DIAMETER EXCEPT AS ALLOWED IN 407.4.3, 708.4.3, 409.4.3, 410.4, 805.10. ELONGATED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.

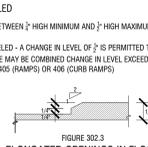


**303 - CHANGES IN LEVEL**

**SECTION 303.2 - VERTICAL**  
CHANGES IN LEVEL OF 1/2" HIGH MAXIMUM SHALL BE PERMITTED TO BE VERTICAL.

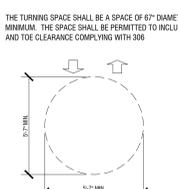


**SECTION 303.3 - BEVELED**  
CHANGES IN LEVEL BETWEEN 1/2" HIGH MINIMUM AND 2" HIGH MAXIMUM SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2. ADVISORY 303.3 BEVELED - A CHANGE IN LEVEL OF 1/2" IS PERMITTED TO BE 1/2" VERTICAL PLUS 1/2" BEVELED. HOWEVER, IN NO CASE MAY BE COMBINED CHANGE IN LEVEL EXCEED 2". CHANGES IN LEVEL EXCEEDING 2" MUST COMPLY WITH 406 (RAMPS) OR 406 (CURB RAMPS).

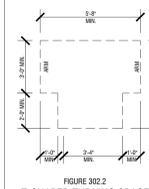


**304 - TURNING SPACE**

**SECTION 304.3.1 - CIRCULAR SPACE**  
THE TURNING SPACE SHALL BE A SPACE OF 60" DIAMETER MINIMUM. THE SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH 306.

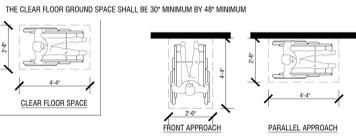


**SECTION 304.3.2 - T-SHAPED SPACE**



**305 - CLEAR FLOOR OR GROUND SPACE**

**SECTION 305.3 - SIZE**  
THE CLEAR FLOOR OR GROUND SPACE SHALL BE 30" MINIMUM BY 48" MINIMUM.

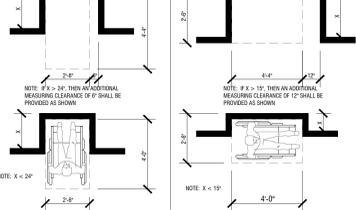


**SECTION 305.5 - POSITION**



**SECTION 305.7 - MANEUVERING CLEARANCE**

305.7.1 FOR FORWARD APPROACH, ALL ALLOWS SHALL BE 30" WIDE MIN. WHERE DEPTH EXCEEDS 24".



**306 - KNEE AND TOE CLEARANCE**

**SECTION 306.1 - GENERAL**  
WHERE SPACE BENEATH AN ELEMENT IS INCLUDED AS PART OF CLEAR FLOOR OR GROUND SPACE OR TURNING SPACE, THE SPACE SHALL COMPLY WITH 306. ADDITIONAL SPACE SHALL NOT BE PROHIBITED BENEATH AN ELEMENT BUT SHALL NOT BE CONSIDERED AS PART OF THE CLEAR FLOOR OR GROUND SPACE OR TURNING SPACE.

ADVISORY 306.1 GENERAL. CLEARANCES ARE MEASURED IN RELATION TO THE USABLE CLEAR FLOOR SPACE, NOT NECESSARILY TO THE VERTICAL SUPPORT OF AN ELEMENT. WHEN DETERMINING CLEARANCE UNDER AN OBJECT FOR REQUIRED TURNING OR MANEUVERING SPACE, CARE SHOULD BE TAKEN TO ENSURE THE SPACE IS CLEAR OF ANY OBSTRUCTIONS.

**SECTION 306.1 - GENERAL**

SPACE UNDER AN ELEMENT BETWEEN THE FINISH FLOOR OR GROUND AND 8 INCHES ABOVE THE FINISH FLOOR OR GROUND SHALL BE CONSIDERED TOE CLEARANCE AND SHALL COMPLY WITH 306.2.

**SECTION 306.2 - MAXIMUM DEPTH**

TOE CLEARANCE SHALL EXTEND 25 INCHES MAXIMUM UNDER ELEMENT.

**SECTION 306.3 - MINIMUM REQUIRED DEPTH**

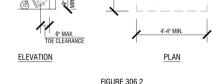
WHERE TOE CLEARANCE IS REQUIRED AT AN ELEMENT AS PART OF A CLEAR FLOOR SPACE COMPLYING WITH SECTION 306, THE TOE CLEARANCE SHALL EXTEND 17 INCHES MINIMUM BENEATH THE ELEMENT.

**SECTION 306.2.4 - ADDITIONAL CLEARANCE**

SPACE EXTENDING GREATER THAN 6 INCHES BEYOND THE AVAILABLE KNEE CLEARANCE AT 9 INCHES ABOVE THE FINISH FLOOR OR GROUND SHALL NOT BE CONSIDERED TOE CLEARANCE.

**SECTION 306.2.5 - WIDTH**

TOE CLEARANCE SHALL BE 30 INCHES WIDE MINIMUM.



**SECTION 306.3.1 - GENERAL**

SPACE UNDER AN ELEMENT BETWEEN 9 INCHES AND 27 INCHES ABOVE THE FINISHED FLOOR OR GROUND SHALL BE CONSIDERED KNEE CLEARANCE AND SHALL COMPLY WITH 306.3.

**SECTION 306.3.2 - MAXIMUM DEPTH**

KNEE CLEARANCE SHALL EXTEND 25 INCHES MAXIMUM UNDER AN ELEMENT AT 9 INCHES ABOVE THE FINISHED FLOOR OR GROUND.

**SECTION 306.3.3 - MINIMUM REQUIRED DEPTH**

WHERE KNEE CLEARANCE IS REQUIRED UNDER AN ELEMENT AS PART OF A CLEAR FLOOR SPACE, THE KNEE CLEARANCE SHALL BE 11 INCHES DEEP MINIMUM AT 9 INCHES ABOVE THE FINISHED FLOOR OR GROUND, AND 8 INCHES DEEP MINIMUM AT 27 INCHES ABOVE THE FINISHED FLOOR OR GROUND.

**SECTION 306.3.4 - CLEARANCE REDUCTION**

BETWEEN 9 INCHES AND 27 INCHES ABOVE FINISHED FLOOR OR GROUND, THE KNEE CLEARANCE SHALL BE PERMITTED TO REDUCE AT A RATE OF 1/4 INCH IN DEPTH FOR EVERY 8 INCHES IN HEIGHT.

**SECTION 306.3.5 - WIDTH**

KNEE CLEARANCE SHALL BE 30 INCHES WIDE MINIMUM.



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**SECTION 306.3.4 - CLEARANCE REDUCTION**

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**SECTION 306.3.5 - WIDTH**

KNEE CLEARANCE SHALL BE 30 INCHES WIDE MINIMUM.

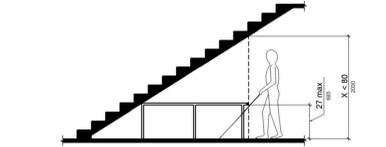
**SECTION 306.3.4 - CLEARANCE REDUCTION**

BETWEEN 9 INCHES AND 27 INCHES ABOVE FINISHED FLOOR OR GROUND, THE KNEE CLEARANCE SHALL BE PERMITTED TO REDUCE AT A RATE OF 1/4 INCH IN DEPTH FOR EVERY 8 INCHES IN HEIGHT.

**307 - PROTRUDING OBJECTS, CONTINUED**

**SECTION 307.4 - VERTICAL CLEARANCE**  
VERTICAL CLEARANCE SHALL BE 80 INCHES MINIMUM. RAILS OR OTHER BARRIERS SHALL BE PROVIDED WHERE THE VERTICAL CLEARANCE IS LESS THAN 80 INCHES. THE LEADING EDGE OF SUCH RAILS OR BARRIERS SHALL BE LOCATED 27 INCHES MAXIMUM ABOVE THE FLOOR.

\*EXCEPTION - DOOR CLOSERS AND DOOR STOPS SHALL BE PERMITTED TO BE 78 INCHES MINIMUM ABOVE THE FLOOR.



**308 - REACH RANGES**

REACH RANGES SHALL COMPLY WITH 308. ADVISORY 308.1 GENERAL. THE FOLLOWING TABLE PROVIDES GUIDANCE ON REACH RANGES FOR CHILDREN ACCORDING TO AGE WHERE BUILDING ELEMENTS SUCH AS COAT HOOKS, LOCKERS OR OPERABLE PARTS ARE DESIGNED FOR USE PRIMARILY BY CHILDREN. THESE DIMENSIONS APPLY TO EITHER FORWARD OR SIDE REACHES. ACCESSIBLE ELEMENTS AND OPERABLE PARTS DESIGNED FOR CHILDREN OVER AGE 12 CAN BE LOCATED OUTSIDE THESE RANGES BUT MUST BE WITHIN THE ADULT REACH RANGES REQUIRED BY 308.

CHILDREN'S REACH RANGE				
FORWARD OR SIDE REACH	AGE 3 AND 4	AGE 5 THRU 8	AGE 9 THRU 12	
HIGH (MAX)	36 in.	40 in.	44 in.	
LOW (MAX)	20 in.	18 in.	16 in.	

**SECTION 308.1 - GENERAL**  
WHERE A FORWARD REACH IS UNOBSTRUCTED, THE HIGH FORWARD REACH SHALL STILL BE 48" MAX. AND THE LOW REACH SHALL BE 15" MIN. ABOVE THE FINISH FLOOR OR GROUND.

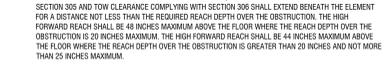
**SECTION 308.2 - UNOBSTRUCTED FORWARD REACH**  
WHERE A FORWARD REACH IS UNOBSTRUCTED, THE HIGH FORWARD REACH SHALL STILL BE 48" MAX. AND THE LOW REACH SHALL BE 15" MIN. ABOVE THE FINISH FLOOR OR GROUND.



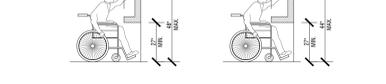
**SECTION 308.2.1 - UNOBSTRUCTED FORWARD REACH**  
WHERE A FORWARD REACH IS UNOBSTRUCTED, THE HIGH FORWARD REACH SHALL STILL BE 48" MAX. AND THE LOW REACH SHALL BE 15" MIN. ABOVE THE FINISH FLOOR OR GROUND.



**SECTION 308.2.2 - UNOBSTRUCTED HIGH REACH**  
WHERE A HIGH FORWARD REACH IS OVER AN OBSTRUCTION, THE CLEAR FLOOR SPACE COMPLYING WITH SECTION 305 AND TOE CLEARANCE COMPLYING WITH SECTION 306 SHALL EXTEND BENEATH THE ELEMENT FOR A DISTANCE NOT LESS THAN THE REQUIRED REACH DEPTH OVER THE OBSTRUCTION. THE HIGH FORWARD REACH SHALL BE 48 INCHES MAXIMUM ABOVE THE FLOOR WHERE THE REACH DEPTH OVER THE OBSTRUCTION IS 20 INCHES MAXIMUM. THE HIGH FORWARD REACH SHALL BE 44 INCHES MAXIMUM ABOVE THE FLOOR WHERE THE REACH DEPTH OVER THE OBSTRUCTION IS GREATER THAN 20 INCHES AND NOT MORE THAN 25 INCHES MAXIMUM.



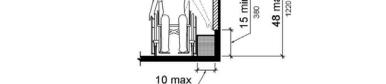
**SECTION 308.3 - SIDE REACH**  
SECTION 308.3.1 - UNOBSTRUCTED  
WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE EDGE OF THE CLEAR FLOOR SPACE IS 10 INCHES MAXIMUM FROM THE ELEMENT, AND THE HIGH SIDE REACH SHALL BE 48" MAX. AND THE LOW SIDE REACH SHALL BE 15" MIN. ABOVE THE FINISH FLOOR OR GROUND.



**SECTION 308.3.2 - UNOBSTRUCTED HIGH FORWARD REACH**  
WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE HIGH SIDE REACH IS OVER AN OBSTRUCTION, THE HEIGHT OF THE OBSTRUCTION SHALL BE 34" MAX. AND THE DEPTH OF THE OBSTRUCTION SHALL BE 24" MAX. WHERE THE REACH DEPTH EXCEEDS 10", THE HIGH SIDE REACH SHALL BE 48" MAX. FOR A REACH DEPTH OF 24" MAX.



**SECTION 308.3.2 - UNOBSTRUCTED HIGH FORWARD REACH**  
WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE HIGH SIDE REACH IS OVER AN OBSTRUCTION, THE HEIGHT OF THE OBSTRUCTION SHALL BE 34" MAX. AND THE DEPTH OF THE OBSTRUCTION SHALL BE 24" MAX. WHERE THE REACH DEPTH EXCEEDS 10", THE HIGH SIDE REACH SHALL BE 48" MAX. FOR A REACH DEPTH OF 24" MAX.



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**309 - OPERABLE PARTS**

**SECTION 309.2 - CLEAR FLOOR SPACE**  
A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 SHALL BE PROVIDED.

**SECTION 309.4 - OPERATION**  
OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, MACHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS MAX.

**402-403 - ACCESSIBLE ROUTES**

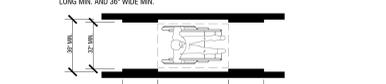
**SECTION 402.2 - COMPONENTS**  
ACCESSIBLE ROUTES SHALL CONSIST OF ONE OR MORE OF THE FOLLOWING COMPONENTS: WALKING SURFACES WITH A RUNNING SLOPE NOT STEEPER THAN 1:20; DOORWAYS, RAMPS, CURB RAMPS EXCLUDING THE FLARED SIDES, BLENDED TRANSITIONS, ELEVATORS, AND PLATFORM LIFTS. ALL COMPONENTS OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF CHAPTER 4.

**SECTION 403.3 - SLOPE**

THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:20. THE CROSS SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:48.

**SECTION 403.5.1 - CLEAR WIDTH**

EXCEPT AS NOTED IN 403.5.2 AND 403.5.3, THE CLEAR WIDTH OF WALKING SURFACES SHALL BE 36" MINIMUM. \*EXCEPTION: THE CLEAR WIDTH SHALL BE PERMITTED TO BE REDUCED TO 32" MIN. FOR A LENGTH OF 24" MAX. PROVIDED THAT REDUCED WIDTH SEGMENTS ARE SEPARATED BY SEGMENTS THAT ARE 52" LONG MIN. AND 36" WIDE MIN.



**SECTION 403.5.2 - CLEAR WIDTH AT 180-DEGREE TURN**

IN NEW BUILDINGS AND FACILITIES, WHERE AN ACCESSIBLE ROUTE MAKES A 180-DEGREE TURN AROUND AN OBJECT THAT IS EQUAL TO OR GREATER THAN 32 INCHES IN WIDTH, THE CLEAR WIDTH IN THE TURN SHALL COMPLY WITH SECTION 403.5.1, WHERE AN ACCESSIBLE ROUTE MAKES AN 80-DEGREE TURN AROUND AN OBJECT THAT IS LESS THAN 32 INCHES IN WIDTH, THE CLEAR WIDTH APPROACHING THE TURN, DURING THE TURN, AND LEAVING THE TURN, SHALL BE ONE OF THE FOLLOWING SETS OF DIMENSIONS:

1. APPROACHING WIDTH IS 36 INCHES MINIMUM, DURING WIDTH IS 60 INCHES MINIMUM, AND LEAVING WIDTH IS 36 INCHES MINIMUM.
2. APPROACHING WIDTH IS 42 INCHES MINIMUM, DURING WIDTH IS 48 INCHES MINIMUM, AND LEAVING WIDTH IS 42 INCHES MINIMUM.
3. APPROACHING WIDTH IS 43 INCHES MINIMUM, DURING WIDTH IS 43 INCHES MINIMUM, AND LEAVING WIDTH IS 43 INCHES MINIMUM.

**SECTION 403.5.2 - CLEAR WIDTH AT 180-DEGREE TURN**  
IN NEW BUILDINGS AND FACILITIES, WHERE AN ACCESSIBLE ROUTE MAKES A 180-DEGREE TURN AROUND AN OBJECT THAT IS EQUAL TO OR GREATER THAN 32 INCHES IN WIDTH, THE CLEAR WIDTH IN THE TURN SHALL COMPLY WITH SECTION 403.5.1, WHERE AN ACCESSIBLE ROUTE MAKES AN 80-DEGREE TURN AROUND AN OBJECT THAT IS LESS THAN 32 INCHES IN WIDTH, THE CLEAR WIDTH APPROACHING THE TURN, DURING THE TURN, AND LEAVING THE TURN, SHALL BE ONE OF THE FOLLOWING SETS OF DIMENSIONS:

1. APPROACHING WIDTH IS 36 INCHES MINIMUM, DURING WIDTH IS 60 INCHES MINIMUM, AND LEAVING WIDTH IS 36 INCHES MINIMUM.
2. APPROACHING WIDTH IS 42 INCHES MINIMUM, DURING WIDTH IS 48 INCHES MINIMUM, AND LEAVING WIDTH IS 42 INCHES MINIMUM.
3. APPROACHING WIDTH IS 43 INCHES MINIMUM, DURING WIDTH IS 43 INCHES MINIMUM, AND LEAVING WIDTH IS 43 INCHES MINIMUM.

**SECTION 403.5.2 - CLEAR WIDTH AT 180-DEGREE TURN**  
IN NEW BUILDINGS AND FACILITIES, WHERE AN ACCESSIBLE ROUTE MAKES A 180-DEGREE TURN AROUND AN OBJECT THAT IS EQUAL TO OR GREATER THAN 32 INCHES IN WIDTH, THE CLEAR WIDTH IN THE TURN SHALL COMPLY WITH SECTION 403.5.1, WHERE AN ACCESSIBLE ROUTE MAKES AN 80-DEGREE TURN AROUND AN OBJECT THAT IS LESS THAN 32 INCHES IN WIDTH, THE CLEAR WIDTH APPROACHING THE TURN, DURING THE TURN, AND LEAVING THE TURN, SHALL BE ONE OF THE FOLLOWING SETS OF DIMENSIONS:

1. APPROACHING WIDTH IS 36 INCHES MINIMUM, DURING WIDTH IS 60 INCHES MINIMUM, AND LEAVING WIDTH IS 36 INCHES MINIMUM.
2. APPROACHING WIDTH IS 42 INCHES MINIMUM, DURING WIDTH IS 48 IN



EDGECOMBE COUNTY  
ANIMAL SHELTER  
3005 ANACONDA ROAD  
TARBORO, NC 27886

VETERINARY ARCHITECTURE  
*Unleashed*  
A Division of RL Architecture, PLLC

RLARCHITECTURE, PLLC

PO Box 161  
Davidson, NC 28036

ph. 704.756.3540  
RLArchitecture.com



#### 410 - PLATFORM LIFTS

##### SECTION 410.1

PLATFORM LIFTS SHALL COMPLY WITH SECTION 410 AND ASME A18.1 LISTED IN SECTION 108.2.9. PLATFORM LIFTS SHALL NOT BE ATTENDANT OPERATED AND SHALL PROVIDE UNASSISTED ENTRY AND EXIT FROM THE LIFT.

##### SECTION 410.6

CONTROLS FOR PLATFORM LIFTS SHALL COMPLY WITH SECTION 309.

#### 502-503 - PARKING AND PASSENGER LOADING ZONES

##### SECTION 502.2 - VEHICLE SPACES

CAR PARKING SPACES SHALL BE 9'0" WIDE MIN. AND VAN PARKING SPACES SHALL BE 13'0" WIDE MIN. SHALL BE MARKED TO DEFINE THE WIDTH, AND SHALL HAVE AN ADJACENT ACCESSIBLE COMPILING WITH 502.3. EXCEPTION: VAN PARKING SPACES SHALL BE PERMITTED TO BE 9'0" WIDE MIN. WHERE THE ACCESS ASBLE IS 9'0" WIDE MIN.

##### SECTION 502.7 - IDENTIFICATION

PARKING SPACE IDENTIFICATION SIGNS SHALL INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH 703.2.1. SIGNS IDENTIFYING VAN PARKING SPACE SHALL CONTAIN THE DESIGNATION "VAN ACCESSIBLE". SIGNS SHALL BE 6'0" MIN. ABOVE THE FINISH FLOOR OR GROUND SURFACE MEASURED TO THE BOTTOM OF THE SIGN.

##### SECTION 503.2 - VEHICLE PULL UP SPACE

PASSENGER LOADING ZONES SHALL PROVIDE A VEHICULAR PULL-UP SPACE 9'6" WIDE MIN. AND 20' LONG MIN. SECTION 503.3 - ACCESS ASBLE

PASSENGER LOADING ZONES SHALL HAVE ADJACENT ACCESS ASBLE COMPLYING WITH SECTION 503.3

##### SECTION 503.1 - WIDTH

ACCESS ASBLES SERVING VEHICLE PULL-UP SPACES SHALL BE 6'0" WIDE IN NEW BUILDINGS AND REMAIN 60 INCHES IN EXISTING BUILDINGS.

##### SECTION 503.2 - LENGTH

ACCESS ASBLES SHALL EXTEND THE FULL LENGTH OF THE VEHICLE PULL-UP SPACES THEY SERVE

##### SECTION 503.5 - VERTICAL CLEARANCE

VEHICLE PULL-UP SPACES, ACCESS ASBLES SERVING THEM AND A VEHICULAR ROUTE FROM AN ENTRANCE TO THE PASSENGER LOADING ZONE, AND FROM THE PASSENGER LOADING ZONE TO A VEHICULAR EXIT SHALL PROVIDE A VERTICAL CLEARANCE OF 11'4" MIN.

#### 504 - STAIRS

##### SECTION 504.2 - TREADS AND RISERS

ALL STEPS ON A FLIGHT OF STAIRS SHALL HAVE UNIFORM RISER HEIGHTS AND UNIFORM TREAD DEPTHS. RISERS SHALL BE 4" HIGH MIN. AND 7" HIGH MAX. TREADS SHALL BE 11"

##### SECTION 504.3 - OPEN RISERS

OPEN RISERS ARE NOT PERMITTED

##### 505 - HANDRAILS

##### SECTION 505.1 - GENERAL

HANDRAILS REQUIRED BY SECTION 405.9 FOR RAMPS, SECTION 504.6 FOR STAIRS, SECTION 1009.3.3 FOR POOL SURFED ENTRANCES AND SECTION 1009.8.4 FOR POOL STAIRS SHALL COMPLY WITH SECTION 505. ADVISORY 505.1 GENERAL. HANDRAILS ARE REQUIRED ON RAMP RUNS WITH A RISE GREATER THAN 6" AND ON CERTAIN STAIRWAYS (SEE 504). HANDRAILS ARE NOT REQUIRED ON WALKING SURFACES WITH RUNNING SLOPES LESS THAN 1:20. HOWEVER, HANDRAILS ARE REQUIRED TO COMPLY WITH 505 WHEN THEY ARE PROVIDED ON WALKING SURFACES WITH RUNNING SLOPES LESS THAN 1:20 (SEE 405.9). SECTIONS 505.2, 505.3, AND 505.10 DO NOT APPLY TO HANDRAILS PROVIDED ON WALKING SURFACES WITH RUNNING SLOPES LESS THAN 1:20 AS THESE SECTIONS ONLY REFERENCE REQUIREMENTS FOR RAMPS AND STAIRS.

##### SECTION 505.3 - CONTINUITY

HANDRAILS SHALL BE CONTINUOUS WITHIN THE FULL LENGTH OF EACH STAIR FLIGHT OR RAMP RUN. INSIDE HANDRAILS ON SWITCHBACK OR DOGLEG STAIRS AND RAMPS SHALL BE CONTINUOUS BETWEEN FLIGHTS OF STAIRS. EXCEPTION: IN ASSEMBLY AREAS, HANDRAILS ON RAMPS SHALL NOT BE REQUIRED TO BE CONTINUOUS IN ASBLES SERVING SEATING.

##### SECTION 505.4 HEIGHT

TOP OF GRIPPING SURFACES OF HANDRAILS SHALL BE 34 INCHES MIN AND 38 IN MAX VERTICALLY ABOVE STAIR NOSINGS, RAMP SURFACES AND WALKING SURFACES. HANDRAILS SHALL BE AT A CONSISTENT HEIGHT ABOVE STAIR NOSINGS, RAMP SURFACES AND WALKING SURFACES.

##### SECTION 505.5 CLEARANCE

CLEARANCE BETWEEN HANDRAIL GRIPPING SURFACE AND ADJACENT SURFACES SHALL BE 1/2 INCHES MIN.

##### SECTION 505.10.2 - TOP EXTENSIONS AT STAIRS

AT THE TOP OF A STAIR FLIGHT, HANDRAILS SHALL EXTEND ABOVE THE LANDING FOR 12" MIN. BEGINNING DIRECTLY ABOVE THE FIRST RISER NOSING. EXTENSIONS SHALL RETURN TO A WALL, GUARD, OR THE LANDING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT.

##### SECTION 505.10.3 - BOTTOM EXTENSIONS AT STAIRS

AT THE BOTTOM OF A STAIR FLIGHT, HANDRAILS SHALL EXTEND AT THE SLOPE OF THE STAIR FOR A HORIZONTAL DISTANCE AT LEAST EQUAL TO ONE TREAD DEPTH BEFORE THE LAST RISER NOSING. EXTENSIONS SHALL RETURN TO A WALL, GUARD, OR THE LANDING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT.

#### 602 - DRINKING FOUNTAINS

##### SECTION 602.2 - CLEAR FLOOR SPACE

UNITS SHALL HAVE A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR A FORWARD APPROACH AND CENTERED ON THE UNIT. KNEE AND TOE CLEARANCE COMPLYING WITH 305 SHALL BE PROVIDED.

##### SECTION 602.3 - OPERABLE PARTS

OPERABLE PARTS SHALL COMPLY WITH 309.3 AND 309.4

##### SECTION 602.3.2 - SPOUT HEIGHT

SPOUT OUTLETS OF DRINKING FOUNTAINS SHALL BE 38 INCHES MIN AND 43 IN MAX ABOVE THE FLOOR.

##### SECTION 602.3.3 - SPOUT LOCATION

THE SPOUT SHALL BE LOCATED 5 INCHES MAX FROM THE EDGE OF THE DRINKING FOUNTAIN, INCLUDING BUMPERS.

##### SECTION 602.6 - WATER FLOW

THE SPOUT SHALL PROVIDE A FLOW OF WATER 4 INCHES MIN IN HEIGHT. THE ANGLE OF THE WATER STREAM FROM SPOUTS WITHIN 3 INCHES OF THE FRONT OF THE DRINKING FOUNTAIN SHALL BE 30 DEGREES MAX, AND FROM SPOUTS BETWEEN 3 INCHES AND 1 INCHES FROM THE FRONT OF THE DRINKING FOUNTAIN SHALL BE 15 DEGREES MAX, MEASURED HORIZONTALLY RELATIVE TO THE FRONT FACE OF THE DRINKING FOUNTAIN.

#### 603 - TOILET AND BATHING ROOMS

##### SECTION 603.2.1 - TURNING SPACE

TURNING SPACE COMPLYING WITH 304 SHALL BE PROVIDED WITHIN A ROOM AND SHALL NOT BE PROVIDED WITHIN A TOILET COMPARTMENT.

##### SECTION 603.2.3 - DOOR SWING

DOORS SHALL NOT SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE FOR ANY FIXTURE.

EXCEPTIONS:  
1. DOORS TO A TOILET ROOM OR BATHING ROOM FOR A SINGLE OCCUPANT ACCESSED ONLY THROUGH A PRIVATE OFFICE AND NOT FOR COMMON USE OR PUBLIC SHALL BE PERMITTED TO SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE PROVIDED THE SWING OF THE DOOR SHALL BE PERMITTED TO COMPLY WITH 603.2.2  
2. WHERE THE TOILET ROOM OR BATHING ROOM IS FOR INDIVIDUAL USE AND A CLEAR FLOOR SPACE COMPLYING WITH 305.3 IS PROVIDED WITH THE ROOM BEYOND THE ARC OF DOOR SWING, DOORS SHALL NOT BE REQUIRED TO COMPLY WITH SECTION 603.2.2.

##### SECTION 603.3 - MIRRORS

MIRRORS LOCATED ABOVE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE EFFECTIVE SURFACE 40" MAX. ABOVE THE FINISH FLOOR OR GROUND. MIRRORS NOT LOCATED ABOVE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 40" MAX. ABOVE THE FINISH FLOOR OR GROUND.

EXCEPTION - OTHER THAN WITHIN ACCESSIBLE DWELLING OR SLEEPING UNITS, MIRRORS SHALL NOT BE REQUIRED OVER THE LAVATORIES OR COUNTERTOPS IF A MIRROR IS LOCATED WITHIN THE SAME TOILET OR BATHING ROOM AND MOUNTED WITH THE BOTTOM EDGE OF REFLECTING SURFACE 35 INCHES MAX ABOVE THE FLOOR.

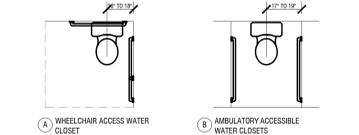
##### SECTION 603.4 - COAT HOOKS AND SHELVES

COAT HOOKS SHALL BE LOCATED WITHIN ONE OF THE REACH RANGES SPECIFIED IN 308. SHELVES SHALL BE LOCATED 40" MIN AND 48" MAX ABOVE THE FINISHED FLOOR.

#### 604 - WATER CLOSETS AND TOILET COMPARTMENTS

##### SECTION 604.2 - LOCATION

THE WATER CLOSET SHALL BE POSITIONED WITH A WALL OR PARTITION TO THE REAR AND THE ONE SIDE THE CENTERLINE OF THE WATER CLOSET SHALL BE 19" MIN TO 19" MAX FROM THE SIDE OF WALL OR PARTITION, EXCEPT THAT THE WATER CLOSET SHALL BE 17" MIN. AND 19" MAX FROM THE SIDE WALL OR PARTITION IN THE AMBULATORY ACCESSIBLE TOILET COMPARTMENT SPECIFIED IN 604.8.2. WATER CLOSETS SHALL BE ARRANGED FOR A LEFT OR RIGHT HAND APPROACH.



##### SECTION 604.3 - CLEARANCE

CLEARANCE AROUND A WATER CLOSET SHALL BE 60" MIN. MEASURED PERPENDICULAR FROM THE SIDE WALL AND 50" MIN. MEASURED PERPENDICULAR FROM THE REAR WALL.

##### SECTION 604.4 - HEIGHT

THE SEAT HEIGHT OF A WATER CLOSET ABOVE THE FINISHED FLOOR SHALL BE 17" MIN. AND 19" MAX. MEASURED TO THE TOP OF THE SEAT. SEATS SHALL NOT SPRING TO RETURN TO A LIFTED POSITION.

EXCEPTIONS:  
1. A WATER CLOSET WHICH IS ADJUSTABLE IN HEIGHT BY THE USER IS PERMITTED PROVIDED THAT AT LEAST ONE ADJUSTMENT SETTING PROVIDES A SEAT WITHIN THE RANGE SPECIFIED IN THIS SECTION.  
2. A WATER CLOSET IN A TOILET ROOM FOR A SINGLE OCCUPANT, ACCESSED ONLY THROUGH A PRIVATE OFFICE AND NOT FOR COMMON USE OR PUBLIC USE, SHALL NOT BE REQUIRED TO COMPLY WITH THIS SECTION.

##### SECTION 604.5 - GRAB BARS

GRAB BARS FOR WATER CLOSETS SHALL COMPLY WITH SECTION 609 AND SHALL BE PROVIDED IN ACCORDANCE WITH SECTIONS 604.5.1 AND 604.5.2. GRAB BARS SHALL BE PROVIDED ON THE REAR WALL AND ON THE SIDE WALL CLOSEST TO THE WATER CLOSET.

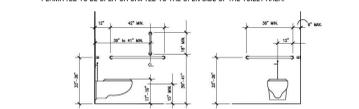
EXCEPTIONS:  
1. GRAB BARS SHALL NOT BE REQUIRED TO BE INSTALLED IN A TOILET ROOM FOR A SINGLE OCCUPANT, ACCESSED ONLY THROUGH A PRIVATE OFFICE AND NOT FOR COMMON USE OR PUBLIC USE, PROVIDED REINFORCEMENT HAS BEEN INSTALLED IN WALLS AND LOCATED SO AS TO PERMIT THE INSTALLATION OF GRAB BARS COMPLYING WITH SECTION 604.5.  
2. IN DETENTION OR CORRECTION FACILITIES, GRAB BARS SHALL NOT BE REQUIRED TO BE INSTALLED IN HOUSING OR HOLDING CELLS OR ROOMS THAT ARE SPECIFICALLY DESIGNED WITHOUT PROTRUSIONS FOR PURPOSES OF SUICIDE PREVENTION.

604.5.1 FIXED SIDE WALL GRAB BARS  
FIXED SIDE WALL GRAB BARS SHALL INCLUDE A HORIZONTAL BAR COMPLYING WITH SECTION 604.4.1.1 AND A VERTICAL GRAB BAR COMPLYING WITH SECTION 604.5.2. THE VERTICAL GRAB BAR AT WATER CLOSETS PRIMARILY FOR CHILDREN'S USE SHALL COMPLY WITH SECTION 609.4.2.

604.5.2 VERTICAL GRAB BAR  
A VERTICAL GRAB BAR 36 INCHES MIN IN LENGTH SHALL BE MOUNTED WITH THE BOTTOM OF THE BAR LOCATED 39 INCHES MIN AND 41 INCHES MAX ABOVE THE FLOOR, AND WITH THE CENTER LINE OF THE BAR LOCATED 39 INCHES MIN AND 41 INCHES MAX FROM THE REAR WALL.

604.5.2 REAR WALL GRAB BARS  
THE FIXED REAR WALL GRAB BAR SHALL BE 36 INCHES MIN IN LENGTH, BE LOCATED 6 INCHES MAX FROM THE SIDE WALL, AND EXTEND 42 INCHES MIN FROM THE SIDE WALL.

EXCEPTIONS:  
1. THE REAR GRAB BAR SHALL BE PERMITTED TO BE 24 INCHES MIN IN LENGTH, CENTERED ON THE WATER CLOSET, WHERE WALL SPACE DOES NOT PERMIT A GRAB BAR 36 INCHES MIN IN LENGTH DUE TO THE LOCATION OF A RECESSED FIXTURE ADJACENT TO THE WATER CLOSET.  
2. WHERE AN ADMINISTRATIVE AUTHORITY REQUIRES FLUSH CONTROLS FOR FLUSH VALVES TO BE LOCATED IN A POSITION THAT CONFLICTS WITH THE LOCATION OF THE REAR GRAB BAR, THAT GRAB BAR SHALL BE PERMITTED TO BE SPLIT OR SHIFTED TO THE OPEN SIDE OF THE TOILET AREA.



##### SECTION 604.6 - FLUSH CONTROLS

FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL COMPLY WITH 309. FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET.

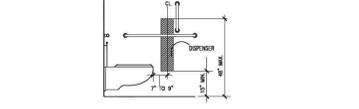
EXCEPTIONS:  
1. IN AMBULATORY ACCESSIBLE TOILET COMPARTMENTS COMPLYING WITH SECTION 604.10, FLUSH CONTROLS SHALL BE PERMITTED TO BE LOCATED ON EITHER SIDE OF THE WATER CLOSET.

##### SECTION 604.7 - DISPENSERS

TOILET PAPER DISPENSERS SHALL COMPLY WITH SECTIONS 309.4 AND 609.3. DISPENSERS SHALL NOT BE A TYPE THAT CAUSES DELIVERY OR DO NOT ALLOW CONTINUOUS PAPER FLOW.

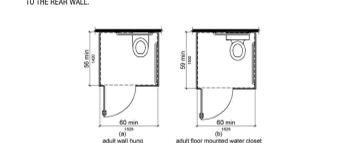
604.7.1 LOCATION  
WHERE THE DISPENSER IS LOCATED ABOVE THE GRAB BAR, THE OUTLET OF THE DISPENSER SHALL BE LOCATED WITHIN AN AREA 24 INCHES MIN AND 30 IN MAX FROM THE REAR WALL, WHERE THE DISPENSER IS LOCATED BELOW THE GRAB BAR, THE OUTLET OF THE DISPENSER SHALL BE LOCATED 18 INCHES MIN AND 48 INCHES MAX ABOVE THE FLOOR.

EXCEPTION - TOILET PAPER DISPENSERS THAT ACCOMMODATE A MAX OF 2 TOILET PAPER ROLLS OF NOT MORE THAN 5 INCH DIAMETER EACH SHALL BE PERMITTED TO BE LOCATED 7 INCHES MIN AND 9 INCHES MAX IN FROM OF THE WATER CLOSET MEASURED TO THE CENTERLINE OF THE DISPENSER. THE OUTLET OF THE DISPENSER SHALL BE 15 INCHES MIN AND 48 MAX ABOVE THE FLOOR.



##### SECTION 604.9 WHEELCHAIR ACCESSIBLE TOILET COMPARTMENTS

604.2.2 MINIMUM AREA  
THE MIN AREA OF A WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT SHALL BE 60 INCHES MIN IN WIDTH MEASURED PERPENDICULAR TO THE SIDE WALL, AND 56 INCHES MIN IN DEPTH FOR WALL HUNG WATER CLOSETS, AND 59 INCHES MIN IN DEPTH FOR FLOOR MOUNTED WATER CLOSETS MEASURED PERPENDICULAR TO THE REAR WALL.



SECTION 604.9.3 - DOORS  
WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT DOORS, INCLUDING DOOR HARDWARE, SHALL COMPLY WITH SECTION 4.4. THE DOOR SHALL BE SELF-CLOSING. A DOOR FALLING COMPLYING WITH SECTION 4.4.2.8 SHALL BE PERMITTED TO COMPLY WITH SECTION 4.4.2.8.1. THE WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT DOOR SHALL NOT SWING INTO THE REQUIRED MINIMUM AREA OF THE COMPARTMENT.

EXCEPTIONS:  
1. OUTSIDE OF THE COMPARTMENT, WHERE THE APPROACH IS TO THE LATIN SIDE OF THE WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT, DOOR CLEARANCE BETWEEN THE DOOR SIDE OF THE COMPARTMENT AND ANY OBSTRUCTION SHALL BE 42 INCHES MIN.  
2. WITHIN THE WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT, MANEUVERING CLEARANCES AT THE DOOR SHALL NOT BE REQUIRED TO COMPLY WITH SECTION 404.  
3. IN AN ADJACENT WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT, THE DOOR SHALL BE PERMITTED TO SWING INTO THE STALL, WHERE A CLEAR FLOOR SPACE COMPLYING WITH SECTION 305.3 IS PROVIDED WITHIN THE STALL BEYOND THE ARC OF THE DOOR SWING.

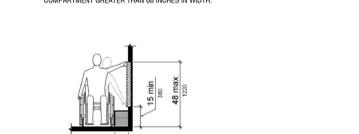


#### 604 - WATER CLOSETS AND TOILET COMPARTMENTS, CONTINUED

##### SECTION 604.9.5.1 - TOE CLEARANCES

THE FRONT PARTITION AND AT LEAST ONE SIDE PARTITION OF WHEELCHAIR ACCESSIBLE TOILET COMPARTMENTS SHALL PROVIDE A TOE CLEARANCE OF 12 INCHES MIN ABOVE THE FLOOR AND EXTENDING 8 INCHES BEYOND THE COMPARTMENT SIDE FACE OF THE PARTITION, EXCLUSIVE OF PARTITION SUPPORT MEMBERS.

EXCEPTIONS:  
1. THE CLEARANCE AT THE FRONT PARTITION IS NOT REQUIRED IN A WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT GREATER THAN 64 INCHES IN DEPTH WITH A WALL-HUNG WATER CLOSET, OR GREATER THAN 67 INCHES IN DEPTH WITH A FLOOR-MOUNTED WATER CLOSET.  
2. TOE CLEARANCE AT THE SIDE PARTITION IS NOT REQUIRED IN A WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT GREATER THAN 60 INCHES IN WIDTH.



##### SECTION 604.8.2 - AMBULATORY ACCESSIBLE COMPARTMENTS

SECTION 604.8.2.1 - SIZE  
AMBULATORY ACCESSIBLE COMPARTMENTS SHALL HAVE A DEPTH OF 60" MIN. AND A WIDTH OF 35" MIN. AND 37" MAX.

##### SECTION 604.8.2.2 - DOORS

AMBULATORY ACCESSIBLE TOILET COMPARTMENT DOORS, INCLUDING DOOR HARDWARE, SHALL COMPLY WITH SECTION 404. THE DOOR SHALL BE SELF-CLOSING. A DOOR FALLING COMPLYING WITH SECTION 404.2.8 SHALL BE PLACED ON BOTH SIDES OF THE DOOR NEAR THE LATCH. COMPARTMENT DOORS SHALL NOT SWING INTO THE REQUIRED MIN AREA OF THE COMPARTMENT.

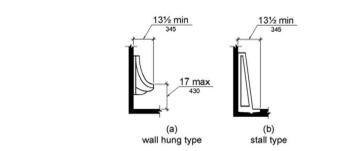
EXCEPTIONS:  
1. OUTSIDE OF THE AMBULATORY ACCESSIBLE TOILET COMPARTMENT, WHERE THE APPROACH IS TO THE LATIN SIDE OF THE COMPARTMENT DOOR, CLEARANCE BETWEEN THE DOOR SIDE OF THE COMPARTMENT AND ANY OBSTRUCTION SHALL BE 42 INCHES MIN.  
2. WITHIN THE AMBULATORY ACCESSIBLE TOILET COMPARTMENT, MANEUVERING CLEARANCES AT THE DOOR SHALL NOT BE REQUIRED TO COMPLY WITH SECTION 404.



##### SECTION 605 - URINALS

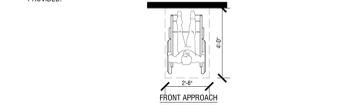
##### SECTION 605.2 - HEIGHT AND DEPTH

URINALS SHALL BE STALL-TYPE OR WALL HUNG WITH THE RIM AT 17" MAX ABOVE THE FINISHED FLOOR OR GROUND. URINALS SHALL BE 13-1/2" DEEP MIN. MEASURED FROM THE OUTER FACE OF THE URINAL RIM TO THE BACK OF THE OUTLET.



##### SECTION 605.3 - CLEAR FLOOR SPACE

A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.



##### SECTION 605.4 - FLUSH CONTROLS

FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL COMPLY WITH 309.

##### 606 - LAVATORIES AND SINKS

##### SECTION 606.2 - CLEAR FLOOR SPACE

A CLEAR FLOOR SPACE COMPLYING WITH 305.3, POSITION FOR A FORWARD APPROACH, AND KNEE AND TOE CLEARANCE COMPLYING WITH 306 SHALL BE PROVIDED. THE DIP IF THE OVERFLOW SHALL NOT BE CONSIDERED IN DETERMINING KNEE AND TOE CLEARANCES.

EXCEPTION:  
1. A CLEAR FLOOR SPACE PROVIDING A PARALLEL APPROACH SHALL BE PERMITTED AT A KITCHEN SINK IN A SPACE WHERE A COOK TOP OR CONVENTIONAL RANGE IS NOT PROVIDED.  
2. THE REQUIREMENT FOR KNEE AND TOE CLEARANCE SHALL NOT APPLY TO A LAVATORY IN A TOILET OR BATHING FACILITY FOR A SINGLE OCCUPANT, ACCESSED ONLY THROUGH A PRIVATE OFFICE AND NOT FOR COMMON USE OR PUBLIC USE.  
3. A KNEE CLEARANCE OF 34 INCHES MIN ABOVE THE FLOOR SHALL BE PERMITTED AT LAVATORIES AND SINKS USED PRIMARILY BY CHILDREN AGES 8 THROUGH 12 WHERE THE HIGHER OF THE RIM OR COUNTER SURFACE IS 31 INCHES MAX ABOVE THE FLOOR.  
4. A CLEAR FLOOR SPACE PROVIDING A PARALLEL APPROACH SHALL NOT APPLY TO MORE THAN ONE BOWL OF A MULTI-BOWL SINK.  
6. A CLEAR FLOOR SPACE PROVIDING A PARALLEL APPROACH SHALL NOT BE PERMITTED AT WET BARS.

##### SECTION 606.3 - HEIGHT

LAVATORIES AND SINKS SHALL BE INSTALLED WITH THE FRONT OF THE HIGHER OF THE RIM OR COUNTER SURFACE 34" MAX. ABOVE THE FINISH FLOOR OR GROUND.

EXCEPTION:  
1. A LAVATORY IN A TOILET OR BATHING FACILITY FOR A SINGLE OCCUPANT ACCESSED ONLY THROUGH A PRIVATE OFFICE AND NOT FOR COMMON USE OR PUBLIC USE SHALL NOT BE REQUIRED TO COMPLY WITH 606.3.

##### SECTION 606.4 - FAUCETS

CONTROLS FOR FAUCETS SHALL COMPLY WITH 309. HAND OPERATED METERIC FAUCETS SHALL REMAIN OPEN FOR 10 SECONDS MIN.

EXCEPTION:  
AUTOMATIC FAUCETS SHALL NOT BE REQUIRED TO COMPLY WITH SECTION 309 PROVIDED THAT THE REACH DEPTH TO ACTIVATE THE FAUCETS AND THE REACH DEPTH TO THE WATER FLOW IS 11 INCHES MAX.

##### SECTION 606.5 - LAVATORIES WITH ENHANCED REACH RANGE

WHERE ENHANCED REACH RANGE IS REQUIRED AT LAVATORIES, FAUCETS AND SOAP DISPENSER CONTROLS SHALL HAVE A REACH DEPTH OF 11 INCHES MAX. WATER AND SOAP OUTLETS SHALL BE PROVIDED WITH A REACH DEPTH OF 11 INCHES MAXIMUM. THE LAVATORY SHALL BE 34 INCHES MAX ABOVE THE FLOOR, MEASURED TO THE HIGHER OF THE RIM OR COUNTER SURFACE.

EXCEPTION:  
ENHANCED REACH RANGE FAUCETS OR SOAP DISPENSERS SHALL NOT BE REQUIRED ON LAVATORIES PROVIDED WITH AUTOMATIC FAUCETS WHERE THE REACH DEPTH TO ACTIVATE THE FAUCETS AND THE REACH DEPTH TO THE WATER OUTLET IS 11 INCHES MAX.

##### SECTION 606.6 - EXPOSED PPES AND SURFACES

WATER SUPPLY AND DRAIN PPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER THE LAVATORIES AND SINKS.

#### 609 - GRAB BARS

##### SECTION 609.2 - CROSS SECTION

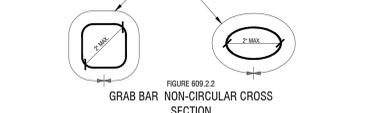
GRAB BARS SHALL HAVE A CROSS SECTION COMPLYING WITH 609.2.1 OR 609.2.2

##### SECTION 609.2.1 - CIRCULAR CROSS SECTION

GRAB BARS WITH CIRCULAR CROSS SECTIONS SHALL HAVE AN OUTSIDE DIAMETER OF 1-1/4" MIN. AND 2" MAX.

##### SECTION 609.2.2 - NON-CIRCULAR CROSS SECTION

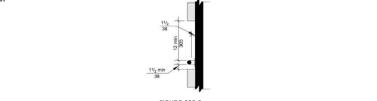
GRAB BARS WITH NON-CIRCULAR CROSS SECTIONS SHALL HAVE A CROSS SECTION DIMENSION OF 2" MAX. AND A PERIMETER DIMENSION OF 4" MIN. AND 4.8" MAX.



##### SECTION 609.3 - SPACING

THE SPACE BETWEEN THE WALL AND THE GRAB BAR SHALL BE 1-1/2". THE SPACE BETWEEN THE GRAB BAR AND THE PROJECTING OBJECTS BELOW AND AT THE ENDS SHALL BE 1-1/2" MIN. THE SPACE BETWEEN THE GRAB BAR AND THE PROJECTING OBJECTS ABOVE SHALL BE 12" MIN.

EXCEPTIONS: THE SPACE BETWEEN THE GRAB BARS AND THE SHOWER CONTROLS, SHOWER FITTINGS, AND OTHER GRAB BARS ABOVE SHALL BE PERMITTED TO BE 1-1/2" MIN.



##### SECTION 609.4 - POSITION OF GRAB BARS

GRAB BARS SHALL BE INSTALLED IN A HORIZONTAL POSITION, 33" MIN. AND 36" MAX. ABOVE THE FINISH FLOOR MEASURED TO THE TOP OF THE GRIPPING SURFACE, EXCEPT THAT AT WATER CLOSETS FOR CHILDREN'S USE COMPLYING 604.8. GRAB BARS SHALL BE INSTALLED IN A HORIZONTAL POSITION 18" MIN. AND 27" MAX. ABOVE THE FINISHED FLOOR MEASURED TO THE TOP OF THE GRIPPING SURFACE. THE HEIGHT OF THE LOWER GRAB BAR ON THE BACK WALL OF A BATHUB SHALL COMPLY WITH 607.4.1.1 OR 607.4.2.1

EXCEPTIONS: ADJUBLE AND VISIBL NOTIFICATION APPLIANCES ADJACENT TO GRAB BARS SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS AND SHALL HAVE ROUNDED EDGES.

##### SECTION 609.6 - FITTINGS

GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS

SECTION 609.6 - INSTALLATION AND CONFIGURATION  
GRAB BARS SHALL BE INSTALLED IN ANY MANNER THAT PROVIDES A GRIPPING SURFACE AT THE SPECIFIED LOCATION IN ACCORDANCE WITH WPS-72 LISTED IN SECTION 108.2.4 TO BE POWERED BY A COMMERCIAL LIGHT AND POWER SOURCE, BE PERMANENTLY CONNECTED TO THE WIRING OF THE PREMISES ELECTRIC SYSTEM AND BE PERMANENTLY INSTALLED.

EXCEPTIONS: ADJUBLE AND VISIBL NOTIFICATION APPLIANCES PROVIDED WITHIN DWELLING OR SLEEPING UNITS SHALL COMPLY WITH SECTIONS 1108.2 THROUGH 1108.4.4

#### 702 - FIRE ALARM SYSTEMS

##### SECTION 702.1 - GENERAL

AUDIBLE AND VISUAL ALARMS AND NOTIFICATION APPLIANCES THAT ARE PART OF A BUILDING FIRE ALARM SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH WPS-72 LISTED IN SECTION 108.2.4 TO BE POWERED BY A COMMERCIAL LIGHT AND POWER SOURCE, BE PERMANENTLY CONNECTED TO THE WIRING OF THE PREMISES ELECTRIC SYSTEM AND BE PERMANENTLY INSTALLED.

EXCEPTIONS: ADJUBLE AND VISIBL NOTIFICATION APPLIANCES PROVIDED WITHIN DWELLING OR SLEEPING UNITS SHALL COMPLY WITH SECTIONS 1108.2 THROUGH 1108.4.4

#### 703 - SIGNS

##### SECTION 703.1 - GENERAL

SIGNS SHALL COMPLY WITH 703. WHERE BOTH VISUAL AND TACTILE CHARACTERS ARE REQUIRED, EITHER ONE SIGN WITH BOTH VISUAL AND TACTILE CHARACTERS, OR TWO SEPARATE SIGNS, ONE WITH VISUAL, AND ONE WITH TACTILE CHARACT







**EDGECOMBE COUNTY  
ANIMAL SHELTER  
3005 ANACONDA ROAD  
TARBORO, NC 27886**

VETERINARY ARCHITECTURE  
*Unleashed*  
A DIVISION OF RL ARCHITECTURE, PLLC

**RLARCHITECTURE, PLLC**

**PO Box 161  
Davidson, NC 28036**

**ph. 704.756.3540  
RLArchitecture.com**



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**BID SET 7.22.2024**

REVISIONS		
NO.	DATE	DESCRIPTION

DATE: 7.21.2024  
PROJECT #: 2022.74  
SCALE: AS NOTED  
DRAWN BY: RL



**SECTION 09 65 10 - RESILIENT FLOOR TILE**

**PART 1 - GENERAL**

- 1.1 SECTION REQUIREMENTS  
A. Submittals: Product Data and Samples.  
B. Extra Materials: Deliver to Owner 1 box for every 50 boxes or fraction thereof, of each type and color of resilient floor tile installed.
- PART 2 - PRODUCTS

- LUXURY VINYL TILE (LVT)  
C. Color and Pattern: **SEE FINISH SCHEDULE**  
D. ASTM F 1066, Class 1 solid-color tile or through-pattern tile as indicated

**2.3 INSTALLATION ACCESSORIES**

- A. Trowelable Leveling and Patching Compounds: Latex-modified, portland cement- or blended hydraulic cement-based formulation provided or approved by flooring manufacturer for applications indicated.  
B. Adhesives: Water-resistant type recommended by manufacturer to suit resilient products and substrate conditions indicated.

**PART 3 - EXECUTION**

- 3.1 INSTALLATION  
A. Prepare concrete substrates according to ASTM F 710. Verify that substrates are dry and free of curing compounds, sealers, and hardeners.  
B. Lay out tiles so tile widths at opposite edges of room are equal and are at least one-half of a tile.  
C. Match tiles for color and pattern by selecting tiles from cartons in same sequence as manufactured and packaged. Lay tiles in patterns indicated.

**END OF SECTION 09651**

**SECTION 09 65 30 - RESILIENT WALL BASE AND ACCESSORIES**

**PART 1 - GENERAL**

- 1.1 SECTION REQUIREMENTS  
A. Submittals: Product Data and Samples.  
B. Extra Materials: Deliver to Owner at least 100 linear feet of each type and color of resilient wall base installed.

**PART 2 - PRODUCTS**

**2.1 WALL BASE**

- A. Products:  
Roppe Pinnacle Rubber Base  
B. Color and Pattern: **SEE FINISH SCHEDULE**  
C. ASTM F 1861, Type TS (rubber, vulcanized thermoset)  
D. Group 1 solid, homogeneous  
E. Style: Standard Cove  
F. Minimum Thickness: 0.125 inch  
G. Height: 4 inches  
H. Lengths: 120 foot coils  
I. Outside Corners: Job formed  
J. Inside Corners: Job formed

**2.2 RESILIENT ACCESSORY**

- A. Products: AS REQUIRED FOR COMPLETE INSTALATION

**2.5 INSTALLATION ACCESSORIES**

- A. Trowelable Leveling and Patching Compounds: Latex-modified, portland cement- or blended hydraulic cement-based formulation provided or approved by flooring manufacturer for applications indicated.  
B. Adhesives: Water-resistant type recommended by manufacturer to suit products and substrate conditions.  
C. Stair-Tread-Nose Filler: Two-part epoxy compound recommended by resilient tread manufacturer to fill nosing substrates that do not conform to treat contours.

**PART 3 - EXECUTION**

- 3.1 INSTALLATION  
A. Prepare concrete substrates according to ASTM F 710. Verify that substrates are dry and free of curing compounds, sealers, and hardeners.  
B. Adhesively install resilient wall base and accessories.  
C. Install wall base in maximum lengths possible. Apply to walls, columns, pilasters, casework, and other permanent fixtures in rooms or areas where base is required.  
D. Install reducer strips at edges of floor coverings that would otherwise be exposed.

**END OF SECTION 09653**

**3.4 INSTALLING SUSPENSION SYSTEMS**

- A. Install suspension system components in sizes and spacing indicated on Drawings, but not less than those required by referenced installation standards for assembly types and other assembly components indicated.  
B. Isolate suspension systems from building structure where they abut or are penetrated by building structure to prevent transfer of loading imposed by structural movement.  
C. Suspend hangers from building structure as follows:  
1. Install hangers plumb and free from contact with insulation or other objects within ceiling plenum that are not part of supporting structural or suspension system.  
a. Splay hangers only where required to miss obstructions and offset resulting horizontal forces by bracing, countersplicing, or other equally effective means.  
2. Where width of ducts and other construction within ceiling plenum produces hanger spacing that interfere with locations of hangers required to support standard suspension system members, install supplemental suspension members and hangers in the form of trapezes or equivalent devices.  
a. Size supplemental suspension members and hangers to support ceiling loads within performance limits established by referenced installation standards.  
3. Wire Hangers: Secure by looping and wire tying, either directly to structures or to inserts, eye screws, or other devices and fasteners that are secure and appropriate for substrate, and in a manner that will not cause hangers to deteriorate or otherwise fail.  
4. Flat Hangers: Secure to structure, including intermediate framing members, by attaching to inserts, eye screws, or other devices and fasteners that are secure and appropriate for structure and hanger, and in a manner that will not cause hangers to deteriorate or otherwise fail.  
5. Do not attach hangers to steel roof deck.  
6. Do not connect or suspend steel framing from ducts, pipes, or conduit.  
D. Fire-Resistance-Rated Assemblies: Wire tie furring channels to supports.  
E. Grid Suspension Systems: Attach perimeter wall track or angle where grid suspension systems meet vertical surfaces. Mechanically join main beam and cross-furring members to each other and butt-out to fit into wall track.  
F. Installation Tolerances: Install suspension systems that are level to within 1/8 inch in 12 feet measured lengthwise on each member that will receive finishes and transversely between parallel members that will receive finishes.

**3.5 INSTALLING FRAMED ASSEMBLIES**

- A. Where studs are installed directly against exterior masonry walls or dissimilar metals at exterior walls, install isolation strip between studs and exterior wall.  
B. Install stud stops so flanges within framing system point in same direction.  
C. Install tracks (runners) at floors and overhead supports. Extend framing full height to structural supports or substrates above suspended ceilings, except where partitions are indicated to terminate at suspended ceilings. Continue framing around ducts penetrating partitions above ceiling.  
1. Slip-Type Head Joints: Where framing extends to overhead structural supports, install to produce joints at tops of framing systems that prevent axial loading of finished assemblies.  
2. Door Openings: Screw vertical studs at jambs to jamb anchor clips on door frames; install runner track section (for cripple studs) at head and secure to jamb studs.  
a. Install two studs at each jamb, unless otherwise indicated.  
b. Install cripple studs at head adjacent to each jamb stud, with a minimum 1/2-inch clearance from jamb stud to allow for installation of control joint in finished assembly.  
c. Extend jamb studs through suspended ceilings and attach to underside of overhead structure.  
3. Other Framed Openings: Frame openings other than door openings the same as required for door openings, unless otherwise indicated. Install framing below sills of openings to match framing installed above door heads.  
4. Fire-Resistance-Rated Partitions: Install framing to comply with fire-resistance-rated assembly indicated and support closures and to make partitions continuous from floor to underside of solid structure.  
a. Firestop Track: Where indicated, install to maintain continuity of fire-resistance-rated assembly indicated.  
5. Sound-Rated Partitions: Install framing to comply with sound-rated assembly indicated.

**END OF SECTION**

**SECTION 09 51 00 ACOUSTICAL CEILINGS**

**PART 1 - GENERAL**

**1.1 SUMMARY**

- A. Provide acoustic ceilings and suspension systems.

**1.2 SUBMITTALS**

- A. Product Data: Submit manufacturer's product data and installation instructions for each material and product used.  
B. Samples: 2 EACH  
C. Extra Stock: Submit extra stock equal to 2 percent of amount installed.

**1.3 QUALITY ASSURANCE**

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.  
B. Performance: Fire, structural, and seismic performance meeting requirements of building code and local authorities. Acoustical performance based on project requirements.

**PART 2 - PRODUCTS**

**2.1 MATERIALS**

- A. Mineral Fiber Acoustical Ceilings:  
1. Manufacturers: USG  
a. ACT1 TO BE # 86185 STANDARD  
b. ACT2 TO BE # 86115 HEALTHCARE  
2. Panel Size: 24 by 24 inches.  
3. Panel Edge: Square.  
4. Grid: Exposed flush grid.  
5. Suspension System: USG DX SYSTEM Intermediate duty.  
6. Auxiliary Materials: AS REQUIRED FOR COMPLETE INSTALLATION  
B. TECTUM High NRC ceiling panels  
1. Armstrong World Industries  
2. panel size: 24x24  
3. Tegular Edge  
4. E-400 Installation Method

**PART 3 - EXECUTION**

**3.1 INSTALLATION**

- A. Install materials and suspension systems in accordance with manufacturer's instructions and recommendations, and ASTM C 636. Coordinate installation with location of mechanical and electrical work to ensure proper locations and anchorage.  
B. Level ceiling to within 1/8 inch in 10 feet in both directions. Scribe and cut panels to fit accurately. Measure and layout to avoid less than half panel units.  
C. Removal and reinstallation at existing ceilings: Remove and store materials for reuse when allowed. Handle with white gloves and avoid damaging corners and edges. Clean tiles and grid system, which have been removed. Provide additional materials to complete the work and to replace damaged existing materials. New materials shall match existing materials as approved.  
D. Adjust, clean, and touch-up all system components.

**END OF SECTION**

**SECTION 09 22 16 NON-STRUCTURAL METAL FRAMING**

**PART 1 - GENERAL**

**1.1 SUMMARY**

- A. This section includes the following:  
1. Non-load-bearing steel framing members for the following applications:  
a. Interior framing systems (e.g., supports for partition walls, framed soffits, furring, etc.).  
b. Interior suspension systems (e.g., supports for ceilings, suspended soffits, etc.).
- 1.2 SUBMITTALS  
A. Product Data: For each type of product indicated.
- 1.3 QUALITY ASSURANCE  
A. STC-Rated Assemblies: For STC-rated assemblies, provide materials and construction identical to those tested in assembly indicated according to ASTM E90 and classified according to ASTM E413 by an independent testing agency.

**PART 2 - PRODUCTS**

- 2.1 NON-LOAD-BEARING STEEL FRAMING, GENERAL  
A. Acceptable Manufacturers: Subject to compliance with requirements, provide product of one of the following:  
1. Basis of design: The Steel Network, (888) 474-4876  
2. Clark Western  
3. Substitutions allowed only if approved by the architect prior to bid, in accordance with Division 01-General Requirements Product Substitution Procedures  
B. Recycled Content of Steel Products: Provide products with average recycled content of steel products such that postconsumer recycled content plus one-half of pre-consumer recycled content is not less than 25 percent.  
C. Framing Members, General: Comply with ASTM C754 for conditions indicated.  
1. Steel Sheet Components: Comply with ASTM C645 requirements for metal, unless otherwise indicated.  
2. Protective Coating: ASTM A653/A 653M, G40, hot dip galvanized, unless otherwise indicated.  
2.2 SUSPENSION SYSTEM COMPONENTS  
A. Tie Wire: ASTM A641/A 641M, Class 1 zinc coating, soft temper, 0.0625-inch diameter wire, or double strand 0f0.0475-inch diameter wire.  
B. Wire Hangers: ASTM A641/A 641M, Class 1zinc coating, soft temper, 0.162-inch diameter.  
3. Carrying Channels: Cold-rolled, commercial-steel sheet with a base-metal thickness of 0.0538 inch and minimum 1/2" inch wide flanges.  
1. Depth: As indicated on Drawings  
D. Furring Channels (Furring Members):  
1. Cold-Rolled Channels: 0.0538-inch bare-steel thickness, with minimum 1/2-inch wide flanges, 3/4 inch deep.  
2. Steel Studs: ASTM C645.  
a. Minimum Base-Metal Thickness: As indicated on Drawings  
b. Depth: As indicated on Drawings  
3. Hat-Shaped, Rigid Furring Channels: ASTM C645, 7/8 inch and 1-1/2 inch deep.  
a. Minimum Base Metal Thickness: As indicated on Drawings  
4. Resilient Furring Channels: 1/2-inch deep members designed to reduce sound transmission.  
a. Configuration: Asymmetric or hat shaped.  
E. Grid Suspension System for Ceilings: ASTM C645, direct-hung system composed of main beams and cross-furring members that interlock.  
1. Available Products: Subject to compliance with requirements, products that may be incorporated into the Work include, but are not limited to, the following:  
2. Products: Subject to compliance with requirements, provide one of the following:  
a. Armstrong World Industries, Inc.; Drywall Grid Systems.  
b. Chicago Metallic Corporation; 840-C Drywall Furring System.  
c. USG Corporation; Drywall Suspension System.

**2.3 STEEL FRAMING FOR FRAMED ASSEMBLIES**

- A. Steel Studs and Runners: ASTM C645.  
1. Minimum Base-Metal Thickness: 20 gage minimum or heavier as indicated on Drawings.  
2. Depth: As indicated on Drawings 3-5/8 inches, 6 inches, 2-1/2 inches  
B. Slip-Type Head Joints: Where indicated, provide one of the following:  
1. Single Long-Leg Runner System: ASTM C645 top runner with 2-inch-deep flanges in thickness not less than indicated for studs, installed with studs fiction fit into top runner and with continuous bridging located within 12 inches of the top of studs to provide lateral bracing.  
2. Deflection Track: Steel sheet top runner manufactured to prevent cracking of finishes applied to interior partition framing resulting from deflection of structure above; in thickness not less than indicated for studs and in width to accommodate depth of studs.  
a. Available Products: Subject to compliance with requirements, products that may be incorporated into the Work include, but are not limited to, the following:  
1) Steel Network Inc. (The); VertiClip SLD Series.  
2) Superior Metal Trim; Superior Flex Trak System (SFT).  
3) Dietrich Metal Framing.  
C. Firestop Tracks: Top runner manufactured to allow partition heads to expand and contract with movement of the structure while maintaining continuity of fire-resistance-rated assembly indicated; in thickness not less than indicated for studs and in width to accommodate depth of studs.  
1. Available Products: Subject to compliance with requirements, products that may be incorporated into the Work include, but are not limited to, the following:  
a. Fire Trak Corp.; Fire Trak attached to studs with Fire Trak Slip Clip.  
b. Metal-Lite, Inc.; The System.  
c. Marinoware.  
D. Flat Strap and Backing Plate: Steel sheet for blocking and bracing in length and width indicated.  
1. Minimum Base-Metal Thickness: 0.0179 inch  
E. Cold-Rolled Channel Bridging: 0.0538-inch bare-steel thickness, with minimum 1/2-inch wide flanges.  
1. Depth: As indicated on Drawings  
2. Clip Angle: Not less than 1-1/2 by 1-1/2 inches, 0.068-inch thick, galvanized steel  
F. All furring: Z-Shaped Furring: With slotted or non-slotted web, face flange of 1-1/4 inches, wall attachment flange of 7/8 inch, minimum bare-metal thickness of 0.0179 inch, and depth required to fit insulation thickness indicated.

**2.4 AUXILIARY MATERIALS**

- A. General: Provide auxiliary materials that comply with referenced installation standards.  
1. Fasteners for Metal Framing: Of type, material, size, corrosion resistance, holding power and other properties required to fasten steel members to substrates.  
B. Isolation Strip at Exterior Walls: Provide one of the following:  
1. Asphalt-Saturated Organic Felt: ASTM D226, Type I (No. 15 asphalt felt), non-perforated.  
2. Foam Gasket: Adhesive-backed, closed-cell vinyl foam strips that allow fastener penetration without foam displacement, 1/8-inch-thick, in width to suit steel stud size.

**PART 3 - EXECUTION**

**3.1 EXAMINATION**

- A. Examine areas and substrates, with Installer present, and including welded hollow-metal frames, cast-in anchors, and structural framing, for compliance with requirements and other conditions affecting performance.  
1. Proceed with installation only after unsatisfactory conditions have been corrected.

**3.2 PREPARATION**

- A. Suspended Assemblies: Coordinate installation of suspension systems with installation of overhead structure to ensure that inserts and other provisions for anchorages to building structure have been installed to receive hangers at spacing required to support the Work and that hangers will develop their full strength.  
1. Furnish concrete inserts and other devices indicated to other trades for installation in advance of time needed for coordination and construction.

**3.3 INSTALLATION, GENERAL**

- A. Installation Standard: ASTM C754, except comply with framing sizes and spacing indicated.  
1. Gypsum Board Assemblies: Also comply with requirements in ASTM C840 that apply to framing installation.  
B. Install supplementary framing, and blocking to support fixtures, equipment services, heavy trim, grab bars, toilet accessories, furnishings, or similar construction.  
C. Install bracing at terminations in assemblies.  
D. Do not bridge building control and expansion joints with non-load-bearing steel framing members. Frame both sides of joints independently.

**DIVISION 9 - FINISHES**

**SECTION 09 21 16 GYPSUM BOARD ASSEMBLIES**

**PART 1 - GENERAL**

**1.1 SUMMARY**

- A. Provide gypsum board assemblies.
- 1.2 SUBMITTALS  
A. Product Data: Submit manufacturer's product data and installation instructions for each material and product used.
- 1.3 QUALITY ASSURANCE  
A. Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.  
B. Tolerances: Not more than 1/16-inch difference in true plane at joints between adjacent boards before finishing. After finishing, joints shall be not be visible. Not more than 1/8 inch in 10 feet deviation from true plane, plumb, level and proper relation to adjacent surfaces in finished work.  
C. Fire Resistance for Fire-Rated Assemblies: ASTM E 119.  
D. Mock-Ups: Provide mock-up as required to demonstrate quality of workmanship and level of finish.  
E. Performance: Fire, structural, and seismic performance meeting requirements of building code and local authorities.

**PART 2 - PRODUCTS**

**2.1 MATERIALS**

- A. Gypsum Board:  
1. Manufacturers: USG, National Gypsum or equal  
2. Application: Interior walls, partitions, and ceilings with tape and joint compound finish.  
3. Application: Cementitious backer units for application of tile.  
4. Application: Soffit board at exterior ceilings and soffits.  
5. Material Standard: ASTM C1396.  
6. Type: Board for tape and joint compound finish.  
a. Type: Regular, moisture-resistant and fire-rated types as required.  
b. Typical Thickness: 5/8 inch.  
7. Type: Water-resistant gypsum backing board.  
a. Type: Regular and fire-rated types as required.  
b. Typical Thickness: 5/8 inch.  
8. Type: Sag-resistant gypsum board.  
a. Type: Regular and fire-rated types as required for ceilings.  
b. Thickness: 1/2 inch.  
9. Type: Exterior softboard.  
a. Type: Regular and fire-rated types as required.  
b. Typical Thickness: 5/8 inch.  
10. Joint Treatment: ASTM C474 and ASTM C840, 3-coat system, paper or fiberglass tape.  
11. Auxiliary Materials:  
a. Cornerbead, edge trim and control joints.  
b. Gypsum board screws, ASTM C 1002.  
c. Fastening adhesive.  
d. Concealed acoustical sealant.  
e. Mineral fiber sound attenuation blankets.  
f. Mineral fiber thermal insulation.
- B. Cementitious Backer Units:  
1. Manufacturers: Same as above  
2. Material Standard: ANSI A118.9.  
3. Type: Cement-coated Portland cement panels.  
a. Thickness: 1/2 inch nominal.

**PART 3 - EXECUTION**

**3.1 INSTALLATION**

- A. Install gypsum board for tape and 3-coat joint compound finish in compliance with ASTM C 840 and GA 216, Level 4 finish. Install gypsum board assemblies true, plumb, level and in proper relation to adjacent surfaces.  
B. Provide fire-rated systems where indicated and where required by authorities having jurisdiction.  
C. Install boards vertically. Do not allow butt-to-butt joints and joints that do not fall over framing members.  
D. Where new partitions meet existing construction, remove existing cornerbeads to provide a smooth transition.  
E. Provide insulation full height and thickness in partitions at conference rooms, toilet rooms, between different occupancies, and where required.  
F. Provide acoustical sealant at both faces at top and bottom runner tracks, wall perimeters, openings, expansion and control joints.  
G. Install trim in strict compliance with manufacturer's instructions and recommendations.  
H. Repair surface defects. Leave ready for finish painting or wall treatment.

**END OF SECTION**

**SECTION 08 71 00 DOOR HARDWARE**

**PART 1 - GENERAL**

- 1.1 SUMMARY  
A. Provide door hardware.
- 1.2 SUBMITTALS  
A. Product Data: Submit manufacturer's product data and installation instructions for each material and product used.  
B. Samples: N/A  
C. Submit for approval hardware schedule proposed for use based on Owner's requirements.
- 1.3 QUALITY ASSURANCE  
A. Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.  
B. Materials and Application: ANSI A156 series standards.

**PART 2 - PRODUCTS**

- 2.1 MATERIALS  
A. Door Hardware:  
1. Manufacturers: FALCON OR EQUAL  
2. Quality Level: Commercial.  
3. Locksets and Latches: Cylindrical type.  
4. Lock Cylinders: Interchangeable.  
5. Keying: Owner's requirements.  
6. Hinges and Butts: Full-mortise type at interior, with nonremovable pins at exterior doors.  
7. Closers, Door Control, and Exit Devices: Low frequency.  
8. Pivots: Offset or center-hung type.  
9. Push/Pull Units: Through-bolted type.  
10. Hardware Finishes: SEE HARDWARE FINISH SCHEDULE  
11. Hardware Finishes: Satin stainless finish on exposed surfaces.  
12. Auxiliary Materials:  
a. Door Trim Units: Kickplates, edge trim, viewers, knockers, and mail drops, and related trim.  
b. Stops and overhead door holders.  
c. Interior blind door hardware.  
d. Weatherstripping and thresholds.  
e. Knox box for fire emergency keys.

**PART 3 - EXECUTION**

- 3.1 INSTALLATION  
A. Follow guidelines of DHI 'Recommended Locations for Builder's Hardware and hardware manufacturers' instructions.  
B. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction and with uniform appearance. Coordinate with work of other sections.  
C. Adjust operation, clean and protect.
- 3.2 SCHEDULE  
A. Hardware Schedule: SHEET A601
- END OF SECTION**

**SECTION 08 80 00 GLAZING**

**PART 1 - GENERAL**

- 1.1 SUMMARY  
A. Provide glass and glazing.
- 1.2 SUBMITTALS  
A. Product Data: Submit manufacturer's product data and installation instructions for each material and product used.  
B. Shop Drawings: Submit shop drawings indicating material characteristics, details of construction, connections, and relationship with adjacent construction.  
C. Samples: Submit two representative samples of each material specified indicating visual characteristics and finish. Include range samples if variation of finish is anticipated.  
D. Warranty: Submit manufacturer's standard warranty. Include labor and materials to repair or replace defective materials.  
1. Insulating Glass: Manufacturer's 10-year warranty.
- 1.3 QUALITY ASSURANCE  
A. Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.  
B. Safety Glazing Products: Comply with testing requirements in 16 CFR 1201 and, for wired glass, ANSI Z97.1.  
1. Glazing Publications:  
C. GANA Publications: GANA's 'Glazing Manual,' and 'Laminated Glass Design Guide.'  
2. AAMA Publications: AAMA GDSG-1, 'Glass Design for Sloped Glazing,' and AAMA TIR-A7, 'Sloped Glazing Guidelines.'  
3. IGMA Publication for Sloped Glazing: IGMA TB-3001, 'Sloped Glazing Guidelines.'  
4. IGMA Publication for Insulating Glass: SIGMA TM-3000, 'Glazing Guidelines for Sealed Insulating Glass Units.'  
D. Mock-Ups: Provide mock-up as required to demonstrate quality of workmanship.  
1. Each type of glazing.

**PART 2 - PRODUCTS**

- 2.1 MATERIALS  
A. Glass and Glazing:  
1. Manufacturers: GGI (General Glass International); Vitro Architectural Glass (Formerly PPG Glass); OR EQUAL  
2. Type: Single glass units, tempered at locations as required by Code.  
3. Type: Insulating glass units, tempered at locations as required by Code.  
4. Auxiliary Materials:  
a. Compression gaskets.  
b. Elastomeric glazing sealants.  
c. Preformed glazing tapes.  
d. Glazing gaskets.  
e. Setting blocks, spacers, and compressible filler rods.  
f. Mirror adhesive, top and bottom angles and clips.

**PART 3 - EXECUTION**

- 3.1 INSTALLATION  
A. Inspect framing and report unsatisfactory conditions in writing.  
B. Comply with GANA 'Glazing Manual' and manufacturers instructions and recommendations. Use manufacturer's recommended spacers, blocks, primers, sealers, gaskets and accessories.  
C. Install glass with uniformity of pattern, draw, bow and roller marks.  
D. Install sealants to provide complete wetting and bond and to create a substantial wash away from glass.  
E. Set mirrors on stainless steel clips and adhere to wall with mirror adhesive.  
F. Remove and replace damaged glass and glazing. Wash, polish and protect all glass supplied under this section.

**END OF SECTION**

**SECTION 09 67 26 RESINOUS FLOORING**

PART 1 - GENERAL
1.01 Work Included
A. Work described in this section includes surface preparation and installation of Sikikal reactive resin industrial floor system.
Sikikal 62 SLF is a fast curing, 100% reactive, decorative flake flooring system, free of isocyanates.
B. See drawings for locations and quantities.
1.02 Related Work - Specified elsewhere
A. Cash-in-place concrete (Section 03300)
1. See Paragraph 1.08 - Requirements for New Concrete.
B. Painting (Section 09900)
1.03 System Description
A. The Sikikal 62 SLF is a 4-6mm (3/16"-1/4") thick troweled surfacing composite of Sikikal 100% reactive binder resin and Sikikal Fillers with specified Sikikal primer and topcoat.
B. The Sikikal coating system shall cure completely and be available to normal operations in no more than 90 minutes at Temperatures as low as 0 °C, after application of the final coat.
C. The finished Sikikal floor coating system shall be uniform in color combinations, texture, and appearance. All edges that terminate at walls, floor discontinuities, and other embedded items shall be sharp, uniform, and cosmetically acceptable with no thick or ragged edges. The Contractor shall work out an acceptable masking technique to ensure the acceptable finish of all edges.
D. See Paragraph 3.04 and/or 3.07 for number and thicknesses of each coatlayer in each system.
E. All resins must be manufactured and tested under an ISO 9001 registered quality system and ISO 14001 ecology management system.
1.04 Quality Assurance
A. Manufacturer Qualifications:
1. Acceptable manufacturer: Sikikal GmbH, Germany.
B. Applicator Qualifications:
1. Pre-qualification requirements: Only approved applicators, licensed by Sikikal shall be considered for qualification. In no case will Sikikal permit the application of any of its materials by untrained, unapproved Contractor or personnel.
2. Each approved applicator shall have been qualified by the Manufacturer as knowledgeable in all phases of surface preparation.
3. Each approved applicator must have three (3) years experience of installing resinous flooring systems and submit a list of five projects/references as a prequalification requirement. At least one of the five projects/references must be of equal size, quantity, and magnitude to this project as a prequalification requirement. Owner has the option to personally inspect the projects/references to accept or reject any of the Contractors prior to bid time as a prequalification requirement.
C. Subcontractor Qualifications:
1. The only approved and specified subcontractors for this resurfacing work shall be for shot-blast cleaning of the concrete substrate.
D. Acceptance Sample:
1. Representative sample of the specified flooring system shall be submitted to the Owner prior to the bidding phase of the project. All bidders shall inspect the "acceptance sample" before submitting their bids.
2. The installed flooring system shall be similar to the acceptance sample in thicknesses of respective finishlayers, color, texture, overall appearance and finish.
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E. Bond Testing:
1. Surface preparation efforts shall be evaluated by conducting Bond Tests at the site prior to application of the flooring system(s).
2. See paragraph 3.03 - B or consult with Material Manufacturer for specific procedure.
F. Pre-Job Meeting
1. Owner requires a Pre-Job Meeting with representatives of Owner, Contractor/Applicator, and Material Manufacturer in attendance. The agenda shall include a review and clarification of this specification, application procedures, quality control, inspection and acceptance criteria, and production schedules. Applicator is not authorized to proceed until this meeting is held or waived by Owner.
1.05 Reference Standards
A. ACI 308 - Standards and Practices for Curing Concrete
B. ACI 302 (R-80) - Guide for Concrete Floor and Slab Construction
C. HACCP International Food Safety Certification System. Certified as food safe and suitable for food facilities that operate a HACCP based Food Safety Program. Food Zone Classification: SSZ.
D. SCCAQMD Rule 1113 less than 100 grams per liter VOC. ASTM D 2369-07 actual VOC less than 15 grams per liter.
E. ISO 9001: 2000 and ISO 14001: 2005 certified.
1.06 Submittals
A. Acceptance Sample: As required by owner, one foot square (1 ft. by 1 ft.) sample of the specified acrylic flooring system applied to hardboard or similar backing for rigidity and ease of handling.
B. Manufacturer's Literature: Descriptive data and specific recommendations for surface preparation, mixing, and application of materials.
C. Manufacturer's Material Safety Data Sheets (MSDS) for each respective product to be used.
D. Cleaning and Maintenance
1.07 Delivery, Storage, And Handling
A. All material shall be delivered in original Manufacturer's sealed containers with all pertinent labels intact and legible.
B. Store materials in dry protected area between 25° and 80° Fahrenheit. Keep out of direct sunlight. Protect from open flame, keep all containers grounded.
C. Follow all Manufacturer's specific label instructions and prudent safety practices for storage and handling.
1.08 Project/Site Conditions
A. Material, air, and surface temperatures shall be in the range of 32° to 85° Fahrenheit during application and cure, unless a special formulation is being used and Manufacturer has been consulted.
B. Relative humidity in the specific location of the application shall be less than 85 percent and the surface temperature shall be at least 5 degrees above the dew point.
C. Conditions required of new concrete to be coated:
1. Concrete shall be moisture cured for a minimum of 7 days at 70° F. The concrete must be fully cured for a minimum of 28 days prior to application of the coating system pending moisture testing.
2. Surface contaminants such as curing agents, membranes, or other bond breakers should not be used.
3. Concrete shall have a "rubbed" finish, float or darby finish concrete (a hard steel trowel is neither necessary nor desirable).
4. Drains should be set to the concrete grade rather than raised to the finished grade of the topping.
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D. Concrete shall have a moisture emission rate of no more than 5 lbs. per 1000 sq. ft. per 24 hour period as determined by proper Calcium Chloride Testing. Concrete RH must be 85% or less as measured by protimeter. Readings greater than 5 by the Calcium Chloride method or 85% by protimeter, may require a preliminary treatment with Sikikal RE42.
E. Foodstuffs are the responsibility of the Owner and shall have been removed from the area of application by the Owner or his representatives.
F. Vapor barriers and/or suitable means shall have been installed beneath grade slabs to prevent vapor transmission. Consult technical dept.
G. Lighting: Provide permanent lighting or, if permanent lighting is not in place, owner shall simulate permanent lighting conditions during flooring application.

1.09 Warranty
A. Sikikal warrants that materials shipped to buyers are at the time of shipment substantially free from material defects and will perform substantially according to Sikikal published literature if used strictly in accordance with Sikikal's prescribed procedures and prior to expiration date.
B. Sikikal's liability with respect to this warranty is strictly limited to the value of the material purchased.
C. Sikikal has no responsibility for the application and processing of products and is under no circumstances liable to any third party whatsoever.
PART 2 - PRODUCTS
2.01 Acceptable Manufacturers
A. Sikikal GmbH, Germany
2.02 Materials
A. Sikikal 62 SLF Self Leveling Flake Flooring
Sikikal RE42
2. Saturating Primer/Sikikal Coat:
Sikikal RU380
3. Patching/Sloping (if required)
Sikikal R17 Polymer Concrete
4. Coving (if required):
Sikikal HK31 with #10-#12 mesh dry silica sand.
5. Topping:
Sikikal R62 SL, consisting of Sikikal R62 resin and Sikikal Filler
6. Topcoat(s)
Sikikal R71 Colorless Topcoat Resin.
8. Sikikal Flakes for broadcasting. Color/s to be chosen by owner.
2.02.01 Product Performance Criteria
A. Sikikal RE42
1. Percentage Reactive Resin:..... 100%
Percentage Solids ..... 100%
1. Water Pressure Resistance (3 days at 72 psi)
2. Passes
3. Resistance to Diffusion Against H2
0 .....0.3g/m2
4. day
5. Tensile Bond Strength ..... 475 psi
Moisture Vapor Treatment- RE42
Priming- RU380
Coating- R62 SL
Patch Repair With: R17
\*This diagram should be used only as a visual aid.
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B. Sikikal RU380
1. Percentage Reactive Resin ..... 100%
Percentage Solids ..... 100%
1. Water Absorption, Wt. % (ASTM D570) ..... less than 0.06
2. Tensile Strength, psi (ASTM D638) ..... 3,555 psi.
3. Tensile Modulus, psi X 10 to the 5th (ASTM D638): ..... 0.02
4. Coefficient of Thermal Expansion, in./in./deg. F (ASTM D696): ..... 0.000035
5. Electrical Resistivity (ASTM D257): ..... 1015
Volume Resistance, ohm-cm ..... 1015
Surface Resistance, ohm: ..... 1012
6. Water Vapor Transmission (DIN 53122), g/cm-hr-mm Hg X 10-9: 1.4
7. Self Leveling Flake Flooring
1. Percentage of reactive resin ..... 100%
2. Water Absorption, Wt. % (ASTM D570): ..... 0.05
3. Tensile Strength, psi (ASTM D638) ..... 1,200 psi.
4. Tensile Modulus, psi X 10 to the 5th (ASTM D638):..... 0.12
5. Coefficient of Thermal Expansion, in./in./deg. F (ASTM D696) psi x10-6: .....18
6. Compressive Strength, psi (ASTM C39) ..... 9,200 psi.
(ASTM C109) ..... 11,000 psi.
D. Sikikal R62 SL Topping
1. Percentage of reactive resin: ..... 100%
Percentage of solids: ..... 100%
2. Water Absorption, Wt. % (ASTM D570): ..... 0.04
3. Compressive Strength, psi (ASTM C109): ..... 6,000-6,000 psi (ASTM D695): ..... 6,000 psi.
4. Tensile Strength, psi (ASTM D638) ..... 720,000 psi.
5. Tensile Modulus, psi (ASTM D638): ..... 3,500 psi.
6. Flexural Strength, psi (ASTM D790) ..... 10,000 psi.
7. Coefficient of Thermal Expansion, in./in./deg. F (ASTM D696): ..... 0.000019
8. Electrical Resistivity, (ASTM D257) Volume Resistance, ohm-cm: ..... 1014
9. Chemical Resistance, ASTM D543:
Effect of weak acids: .....none
Effect of strong acids: .....none
Effect of alkalis: .....slight
Effect of salt solutions: .....none
Effect of oil, grease: .....none
Effect of sunlight (UV radiation): .....none
E. Sikikal R71 Colorless Topcoat Resin
1. Percentage Reactive Resin:..... 100%
Percentage Solids:..... 100%
2. Water Absorption, Wt. % (ASTM D570): ..... 0.5
3. Tensile Strength, psi (ASTM D638): ..... 3,555 psi.
4. Tensile Modulus, psi (ASTM D638): ..... 3,555 psi.
5. Coefficient of Thermal Expansion (ASTM D696) in./in./deg. F: ..... 0.000035
SILIKAL® 61 CQ Decorative Quartz Flooring
6. Electrical Resistivity (ASTM D257): ..... 1015
Volume Resistance, ohm-cm: ..... 1015
Surface Resistance, ohm: ..... 1012
7. Water Vapor Transmission (DIN 53122) g/cm-hr-mm Hg X 10-9: .....1.43

1. Chemical Resistance, ASTM D543:
Effect of weak acids: .....none
Effect of strong acids: .....none
Effect of alkalis: .....none
Effect of salt solutions: .....none
Effect of oil, grease: .....none
Effect of sunlight (UV radiation): .....none
2.02.02 Product Installation & Application Criteria
A. All Sikikal Material Systems Excepting Moisture Vapor Treatment:
1. Pot Life at 68° F: .....10-15 minutes
2. Cure Time at 68° F: ..... 60 minutes
3. Recoat Time at 68° F: ..... 60-90 minutes
2.03 Mixes
A. Follow manufacturer's prescribed procedures and recommendations.
PART 3 - EXECUTION
3.01 Prework Inspection
A. Examine all surfaces to be coated with Sikikal material systems and report to the Owner and/or Engineer any conditions that will adversely affect the appearance or performance of these coating systems and that cannot be put into acceptable condition by the preparatory work specified in Paragraph 3.03.
B. Do not proceed with application until the surface is acceptable or authorization to proceed is given by the Engineer.
C. In the event that Applicator has employed all acceptable methods of surface preparation and cannot remedy adverse conditions that would lead to failure of the installation, Applicator shall withdraw from the contract and Owner will be financially responsible only for preparation efforts.
3.02 General
A. Material storage area must be selected and approved by Applicator and Owner or his representative.
B. Owner will furnish \_\_\_ V \_\_\_ Phase electricity and water for use by Applicator.
C. If existing ventilation is inadequate, Applicator will provide sufficient ventilation to allow complete air exchange every five (5) minutes.
D. Owner shall provide means for disposal of construction waste.
E. Applicator will protect adjacent surfaces not to be coated with masking and/or covers. Owner's equipment shall be protected from dust, cleaning solutions, and flooring materials.
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3.03 Preparation
A. Surface Preparation - General
1. Concrete substrate must be clean and dry. Dislodge dirt, mortar spatter, paint overspray, and other dry surface accumulations and contamination by scraping, brushing, sweeping, vacuuming, and/or compressed air slowdown.
2. New concrete: See 1.08 - C for requirements.
3. Surfaces that are heavily contaminated shall be cleaned with the appropriate degreaser, detergent, or other appropriate cleaner/surfactant followed by thoroughly rinsing with fresh water to remove the cleaner/surfactant.
4. Surfaces that are heavily contaminated shall be cleaned with the appropriate degreaser, detergent, or other appropriate cleaner/surfactant followed by thoroughly rinsing with fresh water to remove the cleaner/surfactant.
5. Concrete shall have a moisture emission rate of no more than 5 lbs. per 1000 sq. ft. per 24 hour period as determined by proper Calcium Chloride Testing and no more than 85% RH as measured by Protimeter
B. Bond Testing
1. The applicator shall evaluate all surface preparation by conducting bond tests at strategic locations.
2. Mix six (6) ounces of the primer to be used in the application with 5% by volume Sikikal Powder Hardener. Add #10-#12 mesh, dry quartz sand until an easily trowelable mixture is obtained. Apply palmized patties 18" x 18" to the surface.
3. After one (1) hour at (68° F.), patties must be cured tack-free and cooled to ambient temperature of concrete. Remove patties with hammer and chisel and examine fracture/delamination plane. Concrete with fractured aggregate must be attached to the entire underside of the patty.
4. If only laitance or a small amount of concrete is attached or if interface between patty and substrate is tacky, further substrate preparation is required.
5. If further substrate preparation is required, bond tests shall be conducted again when this has been completed.
6. If no amount or kind of surface preparation produces satisfactory bond tests, the applicator shall report that to the Owner, Engineer, and Manufacturer.
C. Mechanical Surface Preparation and Cleaning
1. All accessible concrete floor surfaces shall be mechanically blast cleaned using a mobile steel shot, dust recycling machine such as BLASTRAC®, or approved equivalent. All surface and embedded contaminants, including paint, oil, grease, and other contaminants of paint, toppings, hardened concrete layers, laitance, power trowel finishes, and other similar surface characteristics shall be completely removed leaving a bare concrete surface having a profile similar to 40 grit sandpaper and exposing the upper fascia of concrete aggregate.
2. Floor areas inaccessible to the mobile blast cleaning machines shall be mechanically abraded to the same degree of cleanliness, soundness, and profile using vertical disc scarifiers, starwheel scarifiers, needle guns, scabblers, or other suitably effective equipment.
3. After blasting, traces or accumulations of spent abrasive, laitance, removed toppings, and other debris shall be removed with brush or vacuum.
4. Conduct Bond Tests to check adequacy of surface preparation. See Paragraph 3.03 - B (Bond Testing).
5. Application of the respective specified material system(s) must be completed before any water or other contamination of the surface occurs.
3.04 Installation
A. Application of Sikikal 62 SLF flooring system consists of:
1. applying moisture vapor treatment (if required)
2. applying the primer
3. applying coving (if required),
4. performing patching and sloping with polymer concrete (if required),
5. re-priming polymer concrete areas
6. applying the topping, broadcasting the Sikikal Flakes.
7. applying the topcoat(s).
Time for curing (45 - 60 minutes) shall be allowed between each coat. Thicknesses are specified below and/or in Paragraph 3.07.
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B. Open only the containers of component materials to be use in each specific application as needed. Refer to Manufacturer's data sheets for pot-life/temperature relationship to determine size of batches to mix and mix ratios for each respective coat of the system.
C. Measure, add, and mix the Sikikal BP-Powder Hardener into the respective resin components in the proportions recommended by the Material Manufacturer. Pot life is short, so mix only as much material at a time as can be easily and efficiently applied.

3.04.01 Moisture Vapor Treatment (if required)
A. Mix moisture vapor treatment products as recommended by manufacturer.
B. Pour out all resin onto the concrete surface and spread it with a squeegee. After a short operating time (approx. 10 minutes) the excess must be removed with the squeegee. The remaining resin can be rolled out with a lint free resin proof roller.
C. Resin films as well as the building of puddles have to be avoided! The waiting time between the coats depends on the absorbency of the substrate and is normally between one and three hours. Before applying the second coat if required, the impregnation of the first coat into the substrate should be evident.
C. If required, repeat the above process.
During application of the treatment take care that there is no film building at the surface.
The surface texture has to be maintained after every step.
3.04.02 Prime Coat
A. Mix primer components according to manufacturers instructions.
B. Pour the mixture batches onto the floor surface and use a 9" or 18" wide, 1/2" - 3/4" thick-napped, solvent resistant paint roller to roll out the material at a rate of 100 sq. ft./gal. to form a uniform, continuous film, ensuring that all crevices, cracks, other surface discontinuities have been saturated and coated. Use a paint brush to reach areas inaccessible to the roller. Work quickly and deliberately; the pot life is short (10-15 minutes). Do not leave any "puddles"; roll out any such accumulations.
C. Allow the primer coat to cure.
D. If any of the concrete has absorbed all of the primer or if the concrete still has a dry look, reprime these areas before applying the next layer.
3.04.03 Coving (if required)
1. Surface Preparation
A. If concrete walls are to be painted prior to installation of cove base, the bottom portion of the walls shall remain uncoated to the height of the cove base to insure a proper bond to the concrete wall.
B. If walls are constructed of a non-compatible material or if a coating exists, a backer board of 1/2" cement board cut to the desired height of the cove base must be installed. The top of the backer board should be cut at a 45° angle to create a "beveled" edge.
C. If a backer board needs to be installed it shall be fastened using a high grade construction adhesive as well as counter sunk screws or concrete masonry anchors.
2. System Description
A. Cove base shall be installed according to manufacturer's recommendations and shall be:
1. Application area requires prime coating according to 3.04.02
2. Trowel-On Cove Base consisting of a trowel applied radiused/mix with a termination strip installed at the top of the base.
B. Cove base will receive a broadcast and top coat consistent with flooring system.
3.04.04 Patching/Sloping (If Required)
A. Mix polymer concrete components as recommended by the Material Manufacturer.
B. Use mixture to repair any damaged concrete, or to slope any areas as needed.
C. Once cured, material must be re-primed before next layer is applied.
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3.04.05 Topping
A. Size the batches, and mix according to Manufacturer's instructions. The entire batch should be poured and spread at once, i.e., do not let material set in pail.
B. Spread the topping material with a gauge rake set to a depth of 3/16". Lightly trowel to a uniform thickness of 3/16" as necessary.
C. If necessary, roll with a porcupine roller to release trapped air.
D. Broadcast Sikikal flakes into the fresh material before it begins to cure. Broadcast by hand, or use a backpack type blower or sand blast pot to achieve an even broadcast. The flakes must 'rain' down and not be thrown into the wet base coat.
E. Allow the topping to cure.
F. Remove excess flakes by sweeping, "blow-down", and/or vacuuming.
3.04.06 Top Coat
A. Apply with clean rollers at a rate of 80 - 90 sq. ft./gal. in the same way as the Sikikal Primer was applied as described in Paragraph 3.04.02.
B. (If Required) Broadcast aluminium oxide, or other suitable material into wet topcoat resin, size and rate as determined by owner.
C. Allow topcoat to cure. Floors without aluminium oxide broadcast may be lightly sanded if required.
Vacuum all dust, paying particular attention to edges and corners.
3.04.07 Second Top Coat
A. Apply with clean rollers at a rate of 100 - 125 sq. ft./gal. in the same way as the Sikikal Primer was applied as described in Paragraph 3.04.02.
B. Allow topcoat to cure.
3.05 Field Quality Control/Inspection
A. Applicator shall request acceptance of surface preparation from the Engineer before application of the primeseal coat.
B. Applicator shall request acceptance of the prime coat from the Engineer before application of subsequent specified materials.
3.06 Cleaning
A. Applicator shall remove any material spatters and other material that is not where it should be. Remove masking and covers taking care not to contaminate surrounding area.
B. Applicator shall repair any damage that should arise from either the application or clean-up effort.
3.07 Coating Schedule
A. Moisture vapor treatment shall be Sikikal RE42 application rate shall be approximately 220 sq. ft. per gallon (approx. 7 mils)
B. Primer shall be Sikikal RU380 application rate shall be approx. 100 sq.ft. per gallon (approx. 16 mils).
C. Patching/Sloping material shall be R17.
D. Flexible membrane shall be Sikikal RV368 applied with a gauge rake set at 1/16" for a rate of 40 sq. ft. per batch.
E. Coving shall be Sikikal HK31 per manufacturer's recommendations.
F. Body coat shall be Sikikal R62 SL, applied with a gauge rake set at 1/8" for a rate of 40

**END OF SECTION**

**SECTION 09 81 00 ACOUSTICAL INSULATION**

**PART 1 GENERAL**

**1.1 SECTION INCLUDES**

A. UltraTouch™ insulation.

**1.2 REFERENCES**

- American Society for Testing and Materials (ASTM)
1. ASTM C423: Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.
2. ASTM E84: Standard Test Method for Surface Burning Characteristics of Building Materials.
3. ASTM E795: Standard Practices for Mounting Test Specimens During Sound Absorption Tests
B. International Code Council (ICC)
1. ICC IBC: International Building Code

**1.3 SUBMITTALS**

A. Product Data: Manufacturer's data sheet and installation instructions.
B. Samples: Submit, at minimum, a 4" x 4" sample for each type of specified insulation.
C. Test Reports: Upon request, submit certified test reports to verify specified product performance.

**1.4 QUALITY ASSURANCE**

A. Qualifications:
1. Manufacturers: Provide acoustical insulation from a single manufacturer.
2. Installers: Utilize an installer having demonstrated experience on projects of comparable size and complexity.
B. Performance Requirements:
1. Surface Burning Characteristics: Acoustical product to perform as specified when tested in accordance with ASTM E84. Acoustical products surface burning performance should comply with the International Building Code and other local building code requirements.

**1.5 DELIVERY, STORAGE, AND HANDLING**

A. Storage and Handling Requirements:
1. Handle insulation carefully to avoid any damage.
2. Store insulation indoors in a clean, cool, dry place, and out of direct sunlight.
3. Store insulation in a space where the ambient temperature and humidity conditions are being maintained at the levels indicated for the project when occupied for its intended use.
1.6 SITE CONDITIONS
A. Ambient Conditions:
1. Maintain ambient temperature and humidity conditions at levels indicated for the project when occupied for its intended use.
2. Do not install insulation under environmental conditions outside manufacturer's recommended limits.
B. Existing Conditions: Do not install insulation until space is enclosed and weather proofed, and wet work is completely dry.

**1.7 WARRANTY**

A. Provide manufacturer's written product warranty per Section 01 77 00 - Closeout Procedures.

**PART 2 PRODUCTS**

**2.1 MANUFACTURERS**

A. Acoustical Surfaces, Inc., 123 Columbia Court N, Chaska, MN 55318. Phone: 952-448-5300. Fax: 952-448-2613. Website: www.acousticalsurfaces.com

**2.2 DESCRIPTION**

A. Product: UltraTouch™ insulation by Acoustical Surfaces, Inc.
B. Product Options:
1. Panel Composition: Thermally bonded natural cotton fiber insulation
2. Panel Thickness: (3")
3. Nominal Panel Size: All Except 8": (16") (J) (24") width x 94" length
4. Mounting Method: In-Wall Between Studs
C. Product Performance:
a. Fire Rating per ASTM E84: Class A.

**PART 3 EXECUTION**

**3.1 EXAMINATION**

A. Verification of Conditions:
1. All wet work in the installation area must be complete, cured, and dry prior to installation.
**3.2 INSTALLATION**
A. Comply with manufacturer's instructions and recommendations for installation of installation and with industry standards.

**3.3 PROTECTION**

A. Protect installed work from damage due to subsequent construction activity, including temperature and humidity limitations and dust control, so that the work will be without damage and deterioration at the time of acceptance by the owner.

**END OF SECTION**

**SECTION 09 91 00 PAINTING**

**PART 1 GENERAL**

**1.1 SUMMARY**

A. Provide painting and surface preparation.
1.2 SUBMITTALS
A. Product Data: Submit manufacturer's product data and installation instructions for each material and product used.
B. Samples: Submit two representative samples of each material specified indicating visual characteristics and finish. Include range sample if variation of finish is anticipated.
1. Include manufacturers full range of color and finish options if additional selection is required.
C. Extra Stock: Submit 2 unopened gallons of each paint and color used in the project.

**1.3 QUALITY ASSURANCE**

A. Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
B. Regulations: Compliance with VOC and environmental regulations.
C. Mock-Ups: Provide mock-up as required to demonstrate quality of workmanship.
1. Provide 4 foot x 4 foot mock-ups of each type of surface.

**PART 2 PRODUCTS**

**2.1 MATERIALS**

A. Painting:
1. Manufacturers: Sherwin-Williams.
2. Application: Interior unfinished surfaces.
3. Application: Exterior unfinished surfaces.
4. Application: Exposed mechanical and electrical items.
5. Primary Coating Type: Epoxy & Low / Zero VOC paints.
6. Primary Paint Systems: Primer plus two finish coats.
PART 3 EXECUTION
3.1 INSTALLATION
A. Inspect surfaces, report unsatisfactory conditions in writing; beginning work means acceptance of substrate.
B. Comply with manufacturer's instructions and recommendations for preparation, priming and coating work. Coordinate with work of other sections.
C. At existing areas to be repainted, remove blistered or peeling paint to sound substrates. Remove chalk deposits and mixew and wash all surfaces with mild detergent. Perform related minor preparation including caulk and glazing compounds. Spot prime bare areas before priming and painting as needed.
D. Match approved mock-ups for color, texture, and pattern. Re-coat or remove and replace work which does not match or shows loss of adhesion. Clean up, touch up and protect work.

**3.2 PAINT SCHEDULE**

A. SEE FINISH SCHEDULE

**END OF SECTION**

SECTION 09 91 23
DRYLOK® Interior Waterproof Painting

**PART 1 - GENERAL**

1.1 RELATED DOCUMENTS
A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
1.2 SUMMARY
A. Section Includes:
1. Painting above grade interior surfaces of concrete block
2. Waterproofing above grade interior surfaces of concrete block as scheduled.
B. Related Sections:
1. Section 04 21 00 - Masonry Assemblies Unit Masonry.

**1.3 REFERENCES**

A. ASTM International (ASTM)
1. ASTM D 16 - Standard Terminology for Paint, Related Coatings, Materials and Applications.
1.4 ACTION SUBMITTALS
A. Submit under provisions of Section 01 30 00.
B. Product Data: For each type of product.
1. Include construction details, materials descriptions and tested physical properties of waterproof paint.
2. Include manufacturer's instructions for evaluating, preparing and treating substrate.
C. Shop Drawings:
1. Show locations and extent of application.
D. Samples:
2. For each product system specified, two samples, minimum 4 inches square, representing actual finished product color, sheen and texture.

**1.5 QUALITY ASSURANCE**

A. Comply with Section 01 40 00.
B. Qualifications:
1. Manufacturer Qualifications: Company with minimum fifteen (15) years of experience in manufacturing of specified products and systems.
2. Applicator Qualifications: Company with minimum of five (5) years' experience in application of waterproofing paint as specified in this section on projects of similar size and scope, and employs installers and supervisors who are trained by and acceptable to product manufacturer.
a. Successful completion of a minimum of five (5) projects of similar size and complexity to specified Work.
C. Field Mock-up:
1. Install at Project site or pre-selected area of building for field mock-up, as directed by Architect.
2. Apply material in strict accordance with manufacturer's written application instructions.
3. Manufacturer's representative or designated representative will review technical aspects: surface preparation, application, and workmanship.
4. Field sample will be standard for judging workmanship on remainder of Project.
5. Maintain field mock-up during construction for workmanship comparison.
6. Do not alter, move, or destroy field mock-up until Work is completed and approved by Architect.
7. Obtain Architect's written approval of field mock-up before start of material application, including approval of aesthetics, color, texture, and appearance.
8. Subject to compliance with requirements, field mock-up may become part of the completed Work, if undamaged at time of Substantial Completion.

**1.6 DELIVERY, STORAGE, AND HANDLING**

A. Comply with Section 01 60 00.
B. Comply with manufacturer's ordering instructions and lead-time requirements to avoid construction delays.
C. Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
D. Transport and store in unopened containers and keep in clean, dry condition protected from rain, dew, and humidity.
E. Do not allow Water-Base DRYLOK® products to freeze.
1.7 PROJECT CONDITIONS
A. Environmental Requirements:
1. Do not apply when air or surface temperatures are below 50 degrees F (10 degrees C).
2. Provide adequate ventilation for drying.
1.8 WARRANTY
A. Specific product warranty period and limitations.
1. Review manufacturer's website: www.drylok.com for complete warranty details.
2. Warranty Inspection: Manufacturer representative or designated representative.

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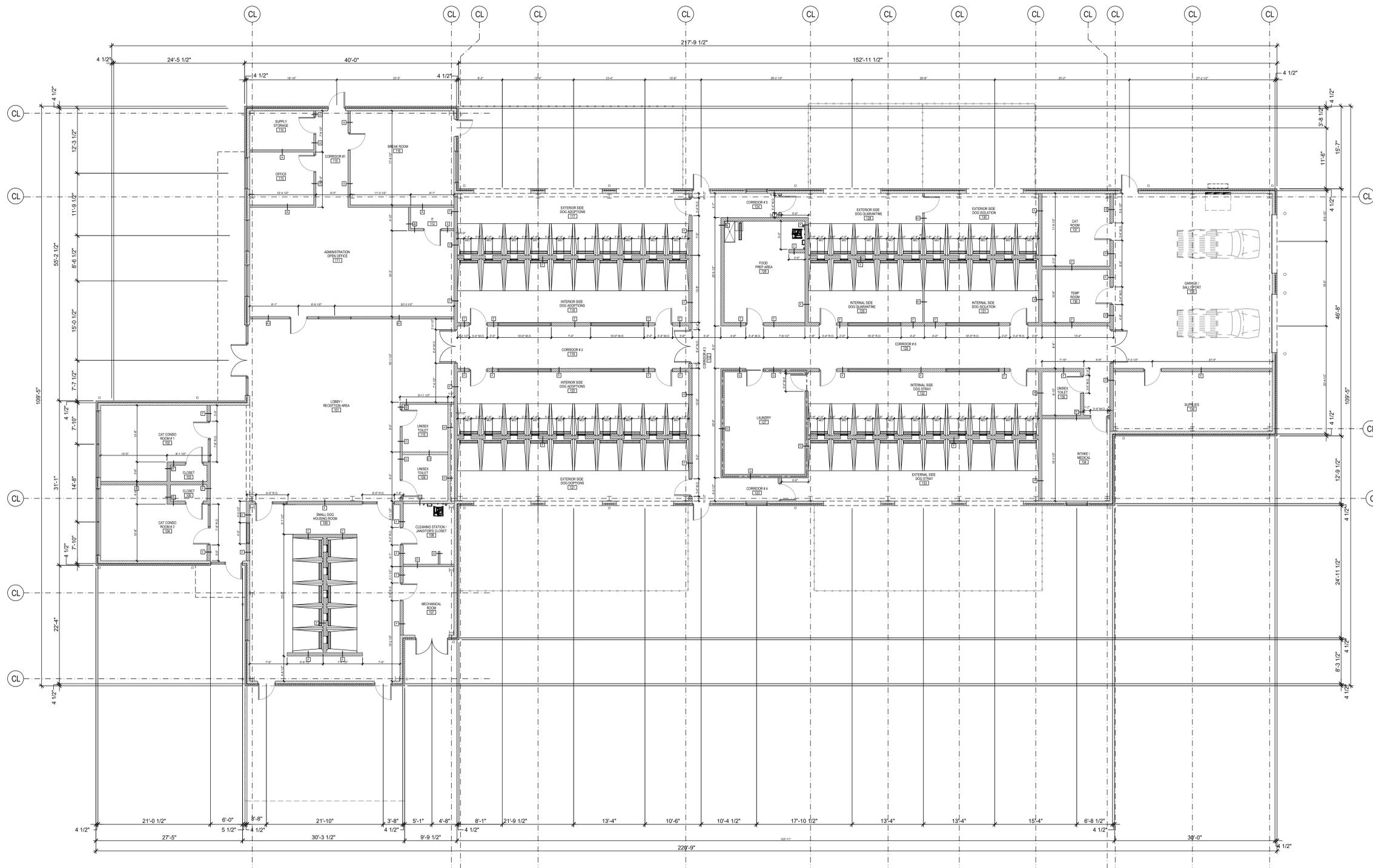
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Revision table with columns: NO., DATE, DESCRIPTION. Includes drawing title: BID SET 7.22.2024 and drawing by: RL.

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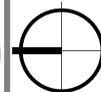
**DIMENSION FLOOR PLAN**

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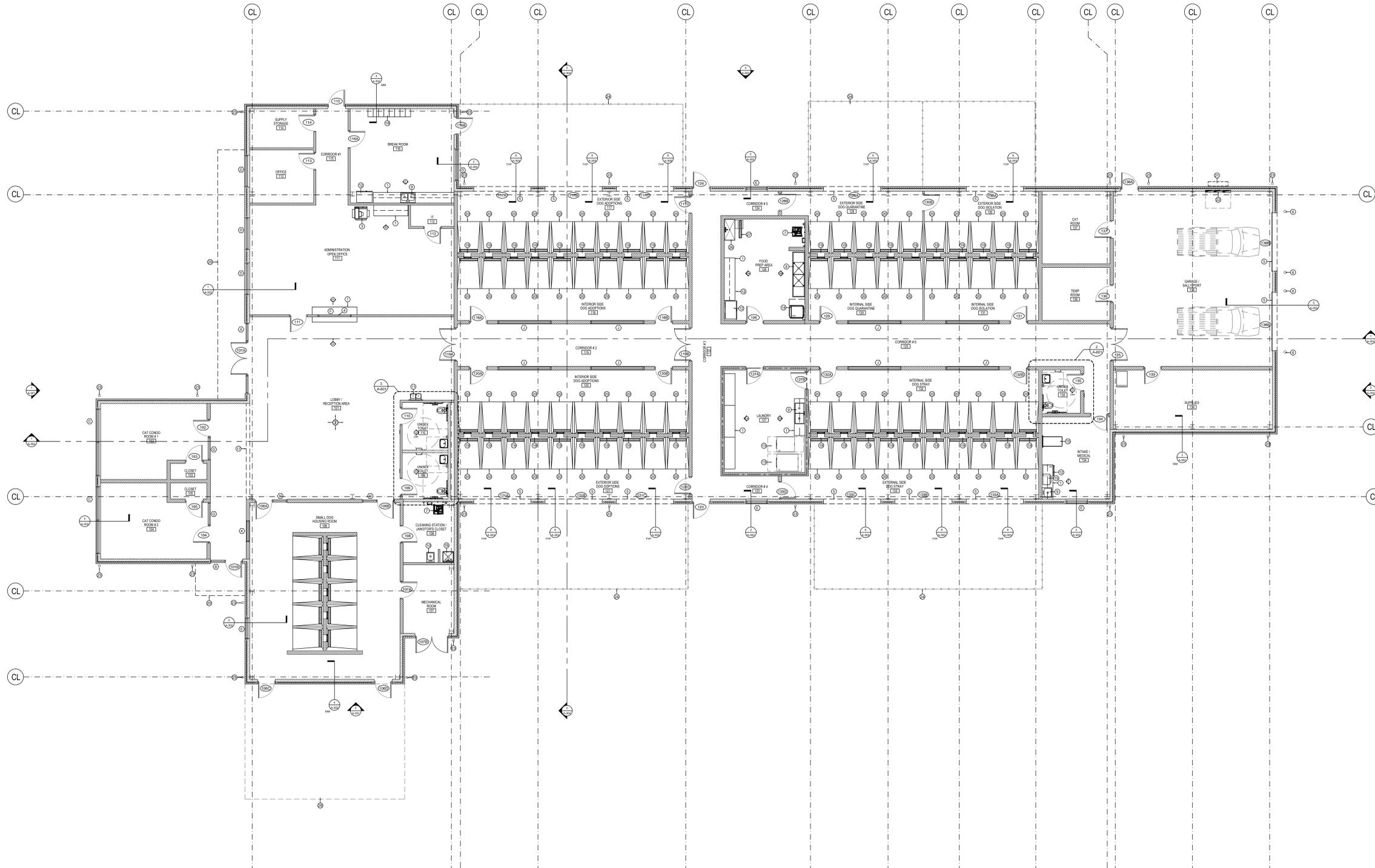
REVISIONS		
NO.	DATE	DESCRIPTION

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PROJECT #: 2022.74  
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**CONSTRUCTION PLAN  
KEYNOTES**

- CASEWORK BY G.C. SEE 4000 DRAWING SHEETS FOR MILLWORK DETAILS AND ELEVATIONS
- FURNITURE BY OWNER THROUGHOUT. COORDINATE WITH FINISH SCHEDULE AND FINISH PLAN
- COPY MACHINE BY OWNER
- TRANSACTION WINDOW WITH TRANSACTION COUNTER. SEE WINDOW SCHEDULE FOR MORE INFORMATION
- ROLL UP DOORS. SEE DOOR SCHEDULE FOR MORE INFORMATION
- BOLLARD. SEE DETAIL 2A-S02003 RELIEF AREA FENCING. SEE DETAILS XIA-XXX
- SPRAY MASTER SYSTEM. SEE PLUMBING DRAWINGS FOR MORE INFORMATION
- 2 COMPARTMENT SINK @ FOOD PREP AREA. SEE PLUMBING FOR MORE INFORMATION
- DROP IN SINK AT MILLWORK. SEE PLUMBING DRAWINGS FOR MORE INFORMATION
- WALL MOUNTED LAVATORIES. SEE PLUMBING DRAWINGS FOR MORE INFORMATION
- H/O DRINKING FOUNTAIN WITH INTEGRATED BOTTLE FILLING STATION. SEE PLUMBING DRAWINGS FOR MORE INFORMATION. SEE SHEET G-106 FOR DRINKING FOUNTAIN ADA REQUIREMENTS APPLICABLE BY OWNER INSTALLED BY G.C.
- COMMERCIAL WASHER AND DRYER BY OWNER INSTALLED BY G.C. SEE EQUIPMENT SCHEDULE FOR MORE INFORMATION
- COMMERCIAL DISHWASHER BY OWNER INSTALLED BY G.C. SEE EQUIPMENT SCHEDULE FOR MORE INFORMATION
- VETERINARY EQUIPMENT. PROVIDE BLOCKING @ ALL MILLWORK & EQUIPMENT AS REQUIRED. SEE SHEETS A-502 & A-503 FOR REFERENCE. COORDINATE TIMING OF RELOCATION WITH OWNER
- JANITORS SINK. SEE PLUMBING DRAWINGS FOR MORE INFORMATION
- STAFF LOCKERS BY OWNER
- LINE OF FINISHED BULKHEAD & SOFFIT ABOVE. SEE RCP FOR MORE INFORMATION
- STAFF LOCKERS BY OWNER
- GUILLOTINE KENNEL DOORS. SEE DETAILS 3A-502 FOR MORE INFORMATION
- DOG RUN SLOPED TO INDIVIDUAL FLOOR TRENCH DRAIN. SEE DETAIL 10A-501.1. SEE EQUIPMENT SCHEDULE FOR MORE INFORMATION
- APPROXIMATE LOCATION OF ELECTRICAL SERVICE TO BUILDING. SEE CIVIL DRAWINGS FOR MORE INFORMATION
- ELECTRICAL PANELS. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION
- DOWNSPOTS. SEE ROOF PLAN FOR MORE INFORMATION
- COATED CHAIN LINK FENCING WITH THE OPTION FOR PRIVACY SLATS TO BE INSERTED
- MAJES SUPER LUMBER CANTILEVER CANOPY IS THE BASIS OF DESIGN. SEE ELEVATIONS AND PLAN / SECTION DETAILS. 48A-502 FOR MORE INFORMATION.
- GROOMING TUB. SEE PLUMBING FOR MORE INFORMATION
- TRENCH DRAWING @ GROOMING TUB
- LINE OF FUTURE EXPANSION AREA



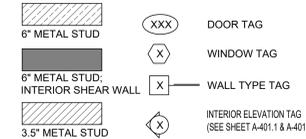
**CONSTRUCTION GENERAL NOTES**

- CONFLICTS BETWEEN SITE CONDITIONS AND DRAWINGS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT.
- ALL WORK SHALL BE ERECTED AND INSTALLED PLUMB, LEVEL, SQUARE AND TRUE AND IN PROPER ALIGNMENT, U.N.O.
- ALL FURNITURE BY OWNER
- SEE FINISH SCHEDULE FOR CORNER GUARD SPEC. 8" LONG TYPICAL THROUGHOUT TREATMENT AND BACK OF HOUSE SPACE. TYPICAL
- ALL DIMENSIONS ARE TO FACE OF STUDS, U.N.O. DIMENSIONS NOTED "HOLD" MUST BE ACCURATELY MAINTAINED, AND SHALL NOT VARY MORE THAN ± 1/8" WITHOUT WRITTEN INSTRUCTION FROM ARCHITECT. "ALIGN" MEANS TO ACCURATELY LOCATE FINISHED FACES IN THE SAME PLANE. DIMENSIONS NOTED "CLEAR" ARE MINIMUM DIMENSIONS WHICH MUST BE MAINTAINED WITHOUT EXCEPTION. DIMENSIONS MARKED ± MEAN A VARIANCE NOT GREATER THAN 1/8" INCH. VERIFY DIMENSIONS EXCEEDING TOLERANCE WITH THE ARCHITECT. ALL DIMENSIONS TO THE EXTERIOR WINDOW WALL ARE TO THE FACE OF STUDS, U.N.O.
- GLASS TYPES AS NOTED ON GLASS SCHEDULE A-011
- PROVIDE BLOCKING IN STUD WALL FRAMING FOR SUPPORT OF CASEWORK, SHELF-STANDARDS, AV DEVICES, FURNITURE, ETC. ALL CONCEALED LUMBER AND BLOCKING TO BE FIRE TREATED. COORDINATE BLOCKING REQUIREMENTS WITH FURNITURE & AV INSTALLERS. WHERE BLOCKING OR ADDITIONAL STUDS ARE REQUIRED AT EXISTING PARTITIONS, THEY ARE TO BE PATCHED AND REPAIRED. SEE CONSTRUCTION PLANS FOR WALL-MOUNTED MONITORS & SCREENS. PROVIDE BLOCKING PER MANUFACTURERS INSTRUCTIONS
- ALL HINGED DOORS TO BE 4" FROM NEAREST PERPENDICULAR PARTITION. U.N.O. DIMENSIONS LOCATING DOORS ARE TO THE INSIDE EDGE OF JAMB. ALL DOORS SHALL HAVE 1'-0" CLEAR ON THE STRIKE/PULL SIDE OF DOOR AND 1'-0" CLEAR ON THE STRIKE/PUSH SIDE IF THEY HAVE BOTH A LATCH AND A CLOSER. VERIFY AND ADVISE ARCHITECT OF EXCEPTIONS PRIOR TO CLOSING OUT PARTITIONS.
- THE CONTRACTOR SHALL ESTABLISH A SINGLE FLOOR ELEVATION THAT IS TO BE USED TO SET THE TOP OF ALL DOORS SUCH THAT THE TOP OF ALL DOORS OF THE SAME HEIGHT WILL ALIGN REGARDLESS OF VARIATIONS IN THE FLOOR SLAB OR FINISHED FLOOR THICKNESS.
- PROVIDE VERTICAL CONTROL JOINTS 30" O.C. MAX. IN ALL GWB PARTITIONS LONGER THAN 30'. WHEN POSSIBLE CONTROL JOINTS SHOULD BE LOCATED ABOVE THE CORNER OF A DOOR.
- ALL SIDEWALKS TO DRAIN AWAY FROM EXTERIOR DOORS.
- EXTERIOR GRADES TO BE MINIMUM 6" BELOW FINISHED FLOOR.

**PARTITION GENERAL NOTES**

- SEE SHEET A-301 FOR WALL TYPE DETAILS
- PARTITION DEPTH AT FIRE EXTINGUISHER CABINET LOCATIONS SHALL ACCOMMODATE FULL CONCEALMENT OF RECESSED CABINETS OR PARTIAL CONCEALMENT OF SEM-RECESSED CABINETS AS SPECIFIED BY THE MANUFACTURER.
- ALL PARTITIONS ABUTTING COLUMNS ARE TO ALIGN WITH THE FACE OF THE COLUMN, U.N.O.
- ALL GYPSUM BOARD PARTITIONS SHALL BE TAPED AND SANDED SMOOTH WITH NO VISIBLE JOINTS. PROVIDE LEVEL 4 FINISH UNO. REFER TO ELEVATIONS AND THE MATERIAL SCHEDULE FOR MATERIALS THAT REQUIRE A LEVEL 3 FINISH.
- ALL EXPOSED GYPSUM BOARD EDGES TO HAVE VINYL OR METAL EDGE TRIM.
- REFER TO THE PARTITION TYPES FOR PARTITION THICKNESS.
- ARCHITECT SHALL REVIEW ON SITE THE PARTITION LAYOUT PRIOR TO PARTITION INSTALLATION.
- CONSTRUCTION OF FIRE-RATED PARTITIONS, INCLUDING TAPING AND FINISHING OF GYPSUM WALLBOARD FOR FULL HEIGHT TO STRUCTURE ABOVE, SHALL BE IN ACCORDANCE WITH UL SPECIFICATIONS TO ACHIEVE RATING INDICATED.
- ACOUSTICAL (SOUND-ISOLATION) PARTITIONS SHALL BE SEALED FOR FULL HEIGHT TO PREVENT PASSAGE OF AIRBORNE SOUND. TAPE AND FINISH ALL GYPSUM WALLBOARD JOINTS AND FASTENERS (INCLUDING ABOVE SUSPENDED CEILING). CAULK AT PERIMETER AND SEAL AT ALL PENETRATIONS.
- PROVIDE DOUBLE STUDS AT DOOR JAMBS. INSTALL ADDITIONAL STUDS IN EXISTING PARTITIONS AT NEW DOOR OPENINGS IN ORDER TO PROVIDE DOUBLE STUDS AT JAMBS.
- PROVIDE DIAGONAL STUD BRACING TO SLAB ABOVE @ 48" O.C. AT DROP ARCHES/BULKHEADS.
- MR. TYPE GYPSUM WALLBOARD AT BOTH SIDES OF ALL PARTITIONS WITH PLUMBING ROUGHING (E.G. BATHROOMS, PANTRY, JANITOR, ETC.)

**CONSTRUCTION LEGEND:**



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



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ANIMAL SHELTER  
3005 ANACONDA ROAD  
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ph. 704.756.3540  
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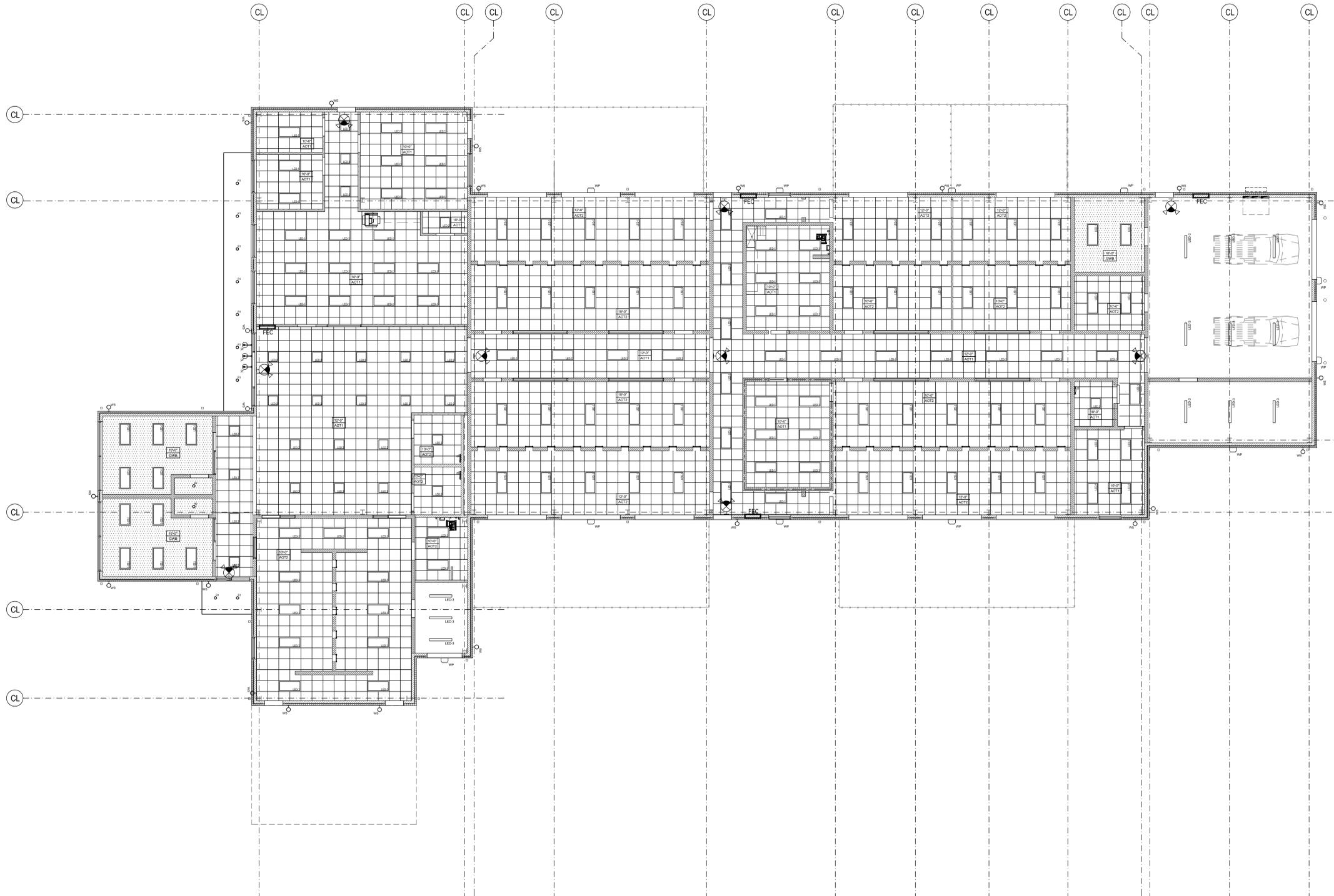
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**A-101**



1 RCP FLOOR PLAN  
A-102 1/4" = 1'-0"

### RCP GENERAL NOTES

- G.C. TO REFER TO ELECTRICAL DRAWINGS FOR COORDINATION OF FINAL LOCATION OF ALL LIGHT FIXTURES, EXIT SIGNS, EMERGENCY LIGHTING AND ALL OTHER ELECTRICAL CEILING FIXTURES.
- THE REFLECTED CEILING PLAN INDICATES THE LOCATION OF CEILING HEIGHTS, LIGHT FIXTURES AND ASSOCIATED ITEMS. REFER TO ENGINEERING DRAWINGS FOR CIRCUITING, WIRING LAYOUT, AND ADDITIONAL INFORMATION. ALL MEP-FP DEVICE LOCATIONS NOT SHOWN ON DRAWINGS, OR IN CONFLICT WITH MEP-FP DRAWINGS, ARE TO BE COORDINATED WITH ARCHITECT PRIOR TO INSTALLATION. IN THE EVENT OF DISCREPANCIES BETWEEN THE ARCHITECT'S REFLECTED CEILING PLAN AND THE ENGINEER'S PLANS, IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING BEFORE ORDERING MATERIALS OR PROCEEDING WITH THE WORK.
- VERIFY FIELD CONDITIONS AND LOCATIONS OF ALL MEP-FP AND STRUCTURAL ELEMENTS. CONTRACTOR TO COORDINATE THE WORK OF ALL TRADES NECESSARY TO MAINTAIN THE FINISHED CEILING HEIGHTS INDICATED. INSTALL DUCTWORK TIGHT TO UNDERSIDE OF BEAMS, WITH A SMALL SPACE TO AVOID VIBRATION. INSTALLATION AND/OR ALTERATION OF DUCTWORK, PIPING OR OTHER EQUIPMENT THAT WILL REQUIRE FASCIAS, SOFFITS AND OTHER TRANSITIONS IN CEILING HEIGHT SHALL BE REVIEWED WITH THE ARCHITECT PRIOR TO PROCEEDING. CONTRACTOR TO PROVIDE COMPLETE COORDINATION DRAWINGS FOR THE ARCHITECT AND ENGINEER'S REVIEW.
- MULTIPLE SWITCHES AT ONE LOCATION SHALL BE GANGED TOGETHER WITHIN ONE COVER PLATE U.N.O.
- ALL FIXTURES AND DEVICES TO BE UNDERWRITERS LABORATORIES INC. (UL) LABELED.
- LIGHT FIXTURES, REGISTERS, SPEAKERS, RECESSED FIXTURES AND SIMILAR CEILING ELEMENTS, AND LIFE-SAFETY DEVICES SHALL BE LOCATED IN THE CENTER OF CEILING TILE IN BOTH DIRECTIONS AND SHALL ALIGN WITH ADJACENT FIXTURES, DEVICES OR HEADS IN A RUN OR ROW. U.N.O. FURNISH AND INSTALL ALL FIXTURES, ASSOCIATED TRIM, LAMPS, AND SEISMIC BRACING.
- INSTALL LIGHT FIXTURES WITH PROTECTIVE FILM OR SIMILAR COVER OVER LOUVER, LENS, BAFFLE, AND EXPOSED SURFACES. TO AVOID FIXTURE SOILING OR DAMAGE DURING CONSTRUCTION, FIXTURES SHALL BE MAINTAINED CLEAN AND AS NEW.
- PROVIDE BLOCKING ABOVE CEILING REQUIRED FOR ALL CEILING MOUNTED EQUIPMENT. PROVIDE ADDITIONAL SUPPORT FOR LIGHT FIXTURES AS RECOMMENDED BY FIXTURE MANUFACTURER.
- CONTRACTOR TO VERIFY ALL PENDANT FIXTURES & HEIGHTS WITH ARCHITECT PRIOR TO ORDERING.
- REFER TO ELECTRICAL DRAWINGS FOR EMERGENCY LIGHT FIXTURE SPECIFICATION.
- CONTRACTOR SHALL REPAIR AND/OR REPLACE CEILING WHICH ARE REMOVED TO FACILITATE PLENUM SYSTEMS INSTALLATION.
- PAINT ALL EXPOSED DUCTWORK, PIPING AND ELECTRICAL CONDUIT, U.N.O.
- SWITCHES AND PLATES SHALL BE WHITE.
- ALL LAMP COLOR TEMPERATURES TO BE CONSISTENT IN EACH AREA FOR ALL FIXTURE TYPES IN EXAM ROOMS, LOBBY - 3500K FOR ALL FIXTURE TYPES IN TREATMENT, SURGERY & OTHER HOSPITAL AREAS - 4000K
- NEW OCCUPANCY SENSORS SHALL BE SET TO TURN OFF LIGHTS AFTER 30 MIN OF INACTIVITY
- SEE AS00 DETAIL SHEETS FOR LOCATIONS OF DENTAL, TREATMENT AND SURGERY LIGHTS AND HANGING DETAILS
- SEE SPECIALTY UTILITY PLAN FOR OXYGEN AND SCAVENGER CEILING CONNECTIONS AND SPECIFICATIONS. COORDINATE WITH PLUMBING AND MECHANICAL MED GAS PLANS.

### CEILING LEGEND

- 2x4 LED LIGHT FIXTURE, LAY-IN OR GWB CEILING
- 2x2 LED LIGHT FIXTURE, LAY-IN OR GWB CEILING
- UP/DOWN LINEAR
- UNDER-CABINET TASK LIGHTS
- BATHROOM WALL SCONCE
- SURFACE MOUNTED EXTERIOR CAN LIGHTING
- RECESSED INTERIOR CAN LIGHTING
- EXTERIOR UP / DOWN LIGHTING WALL SCONCE
- HANGING DECORATIVE PENDANT @ RECEPTION
- EXIT SIGN
- EXTERIOR SIGN LIGHT
- EMERGENCY EXIT LIGHT
- WALL PACK
- WALL MOUNTED TREATMENT LIGHTS
- SINGLE OR DOUBLE HEAD SURGERY CEILING MOUNTED LIGHT; SEE DETAIL 1/A-063 FOR BASIS OF DESIGN MOUNTING DETAIL, BY MIDMARK
- MILLWORK / WORK SURFACE BELOW
- O2 / SCAV DROPS
- GYPSUM BOARD CEILING
- BEADED PLYWOOD @ PORCH CEILING - PAINTED
- 2" x 2" SUSPENDED CEILING GRID SYSTEM WITH 2" x 2" LAY-IN ACOUSTICAL CEILING TILES
- CEILING MATERIAL
- CEILING HEIGHT
- ACT - SEE FINISH SCHEDULE
- ACT 2 - SEE FINISH SCHEDULE

NOTE: SEE ELECTRICAL DWG'S FOR MORE INFORMATION ON LIGHT FIXTURES.

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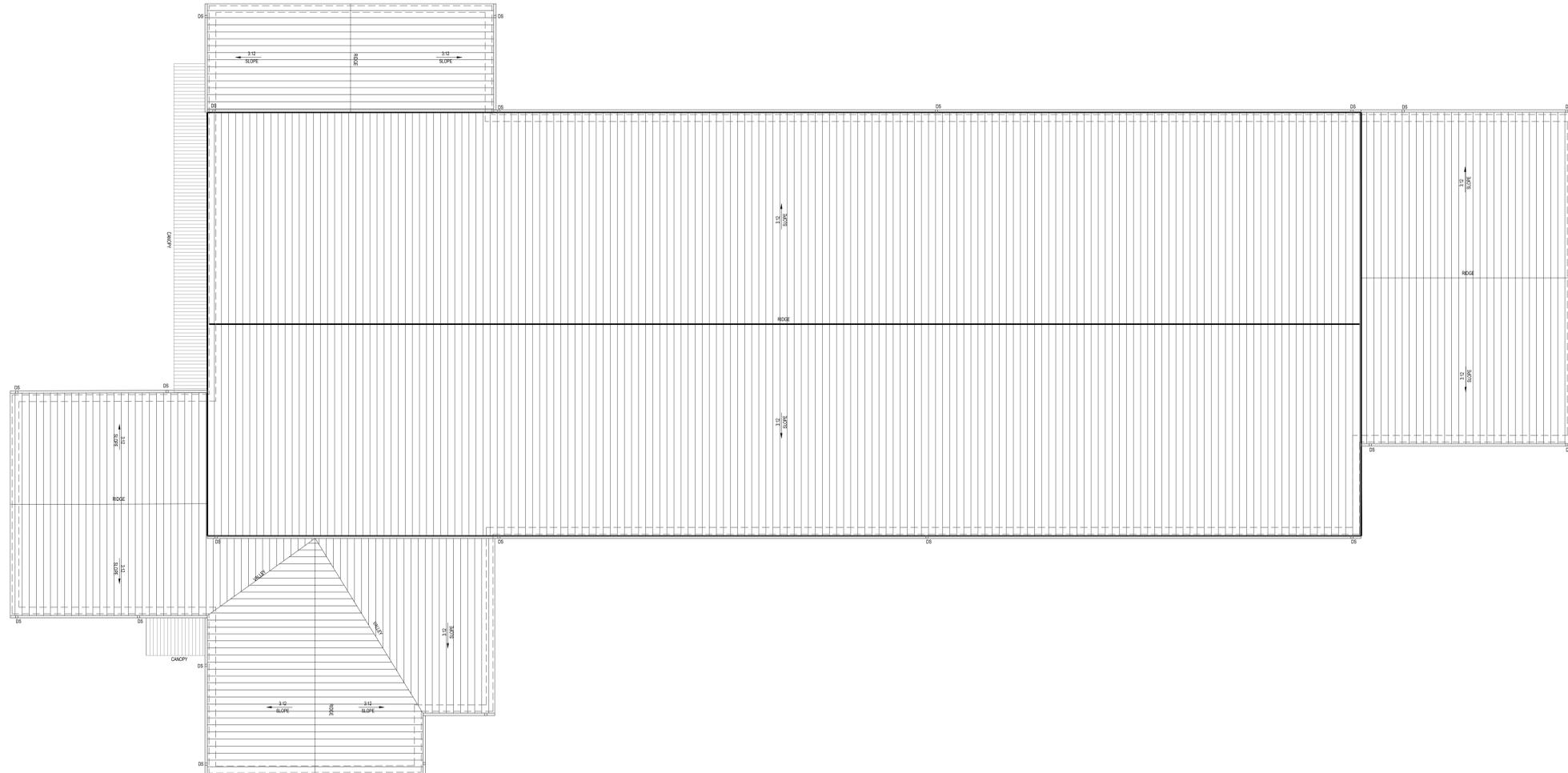
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**A-102**



○ ROOF PLAN NOTES:

1. BUTLER ROOF SYSTEM MR24 - BASIS OF DESIGN
2. RUN DOWNSPOUT UNDER/THROUGH SIDEWALK TO SPILL INTO GRASS YARD.
3. LINE OF CANOPY / AWNING BELOW - SEE SPECS.
4. WALL BELOW

GENERAL NOTES:

1. G.C. TO IDENTIFY AND COORDINATE LOCATIONS OF ALL REQUIRED CONDENSERS AND CONDENSER LINE
2. COORDINATE LOCATIONS OF ROOFTOP EQUIPMENT WITH STRUCTURAL DESIGN & HVAC.
3. MAINTAIN A MINIMUM 10'-0" CLEARANCE FROM ANY EXHAUST OR PLUMBING VENT TO ANY FRESH AIR INTAKE (TYP.)
4. MAINTAIN A MINIMUM 10'-0" CLEARANCE FROM SERVICEABLE ROOF TOP EQUIPMENT TO EDGE OF ROOF, TYP.



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A-103

ROOF PLAN

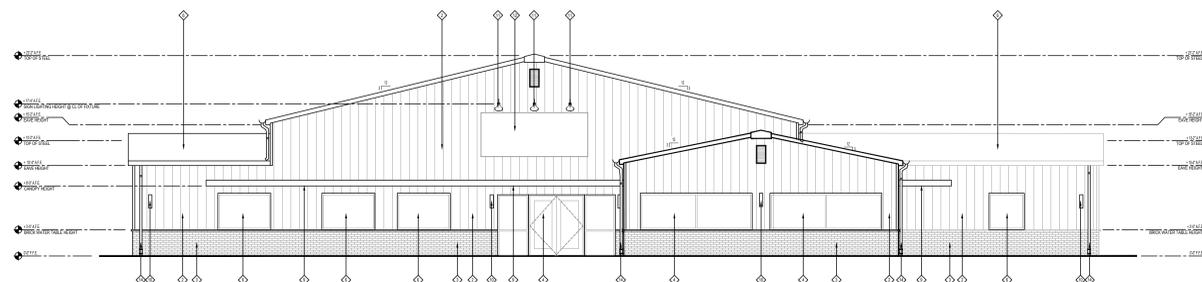
1/8" = 1'-0"

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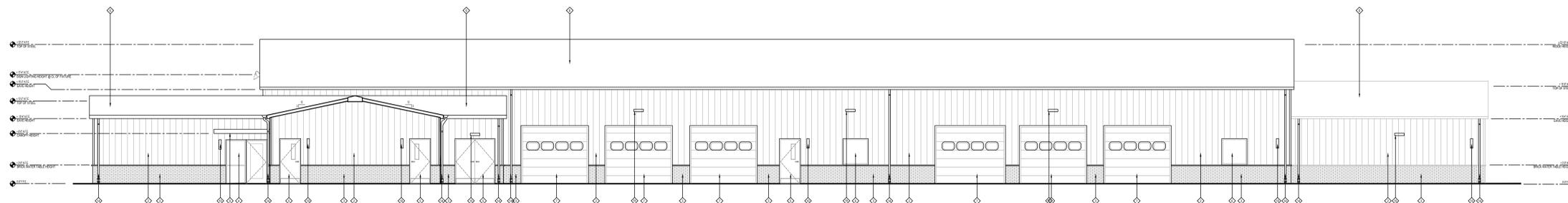




EXTERIOR MATERIALS SCHEDULE	
ITEM	INFORMATION
PEMB METAL ROOF	BUTLER MR24 ROOF SYSTEM, COLOR TBD
VERTICAL METAL WALL PANEL SYSTEM	BUTLER RIB II EX WALL PANEL, COLOR: TBD
FIELD BRICK VENEER WATER TABLE	BRICK, COLOR TBD
STOREFRONT	CLEAR ALUMINUM WITH 1" INSULATED LOW E CLEAR GLASS
NOTE:	
1. THE ABOVE SCHEDULE OF EXTERIOR MATERIALS ARE USED IN THE NEW BUILDING. MATERIALS WILL BE COORDINATED WITH OWNER IN STYLE AND COLOR. U.N.O. ALL MANUFACTURERS LISTED TO SERVE AS A DESIGN BASIS. G.C. TO PROVIDE EQUAL PRODUCT AT A COST SAVINGS WHERE APPLICABLE.	
2. ANY SUBSTITUTIONS TO THE ABOVE SHALL BE SUBMITTED IN WRITING TO THE ARCHITECT AND APPROVED IN WRITING BY THE OWNER PRIOR TO ORDER OR INSTALLATIONS.	
3. ALL MATERIALS SHALL BE INSTALLED AND / OR APPLIED PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.	
TAG	MATERIAL
1	PEMB ROOF PANEL SYSTEM
2	BUTLER RIB II EX WALL PANEL - COLOR: TBD
3	BRICK VENEER WATER TABLE
4	ALUMINUM STOREFRONT DOOR / WINDOW; SEE WINDOW SCHEDULE, SHEET A-601 FOR MORE INFORMATION
5	HOLLOW METAL DOOR & FRAME - PAINT SANDSTONE; SEE DOOR SCHEDULE, SHEET A-601 FOR MORE INFORMATION
6	ALUMINUM WINDOW; SEE WINDOW SCHEDULE, SHEET A601 FOR MORE INFORMATION
7	ROLL UP DOOR; SEE DOOR SCHEDULE AND SPECIFICATIONS FOR MORE INFORMATION
8	BOLLARDS; SEE DETAIL 2/A-502 FOR MORE INFORMATION
9	CANOPY; SEE DETAILS 4 -5/A-502 FOR MORE INFORMATION
10	UP/DOWN LIGHT MOUNTED @ CENTERLINE OF FIXTURE 7'-6" A.F.F.; SEE ELECTRICAL DRAWINGS
11	SIGN LIGHT MOUNTED @ CENTERLINE OF FIXTURE 20'-5" A.F.F.; SEE ELECTRICAL DRAWINGS
12	WALL MOUNTED EXTERIOR SIGNAGE
13	APPROXIMATE LOCATION OF ELECTRICAL METERS
14	DOWNSPOUT, COLOR TO MATCH ADJACENT WALL
15	WALL PACK LIGHTING
16	GABLE VENT
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1 FRONT ELEVATION  
A-201 1/4" = 1'-0"



2 RIGHT SIDE ELEVATION  
A-201 1/8" = 1'-0"

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**EXTERIOR ELEVATIONS**

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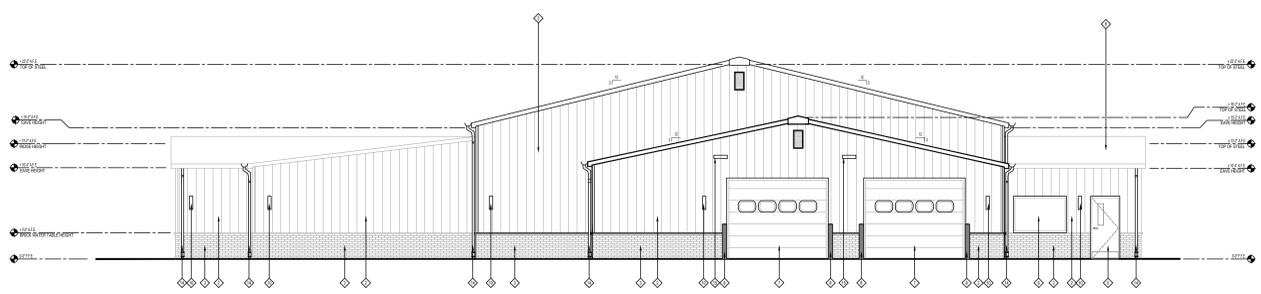
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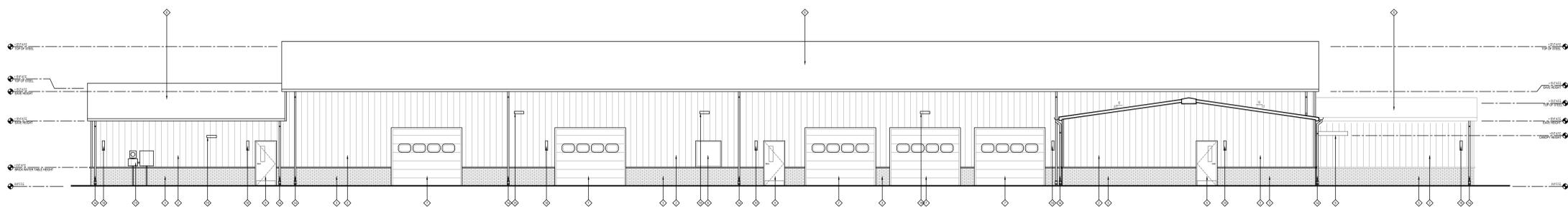




EXTERIOR MATERIALS SCHEDULE	
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WATER TABLE	
STOREFRONT	CLEAR ALUMINUM WITH 1" INSULATED LOW E CLEAR GLASS
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TAG	MATERIAL
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2	BUTLER RIB II EX WALL PANEL - COLOR: TBD
3	BRICK VENEER WATER TABLE
4	ALUMINUM STOREFRONT DOOR / WINDOW; SEE WINDOW SCHEDULE, SHEET A-601 FOR MORE INFORMATION
5	HOLLOW METAL DOOR & FRAME - PAINT SANDSTONE; SEE DOOR SCHEDULE, SHEET A-601 FOR MORE INFORMATION
6	ALUMINUM WINDOW; SEE WINDOW SCHEDULE, SHEET A601 FOR MORE INFORMATION
7	ROLL UP DOOR; SEE DOOR SCHEDULE AND SPECIFICATIONS FOR MORE INFORMATION
8	BOLLARDS; SEE DETAIL 2/A-502 FOR MORE INFORMATION
9	CANOPY; SEE DETAILS 4 -5/A-502 FOR MORE INFORMATION
10	UP/DOWN LIGHT MOUNTED @ CENTERLINE OF FIXTURE 7'-6" A.F.F.; SEE ELECTRICAL DRAWINGS
11	SIGN LIGHT MOUNTED @ CENTERLINE OF FIXTURE 20'-5" A.F.F.; SEE ELECTRICAL DRAWINGS
12	WALL MOUNTED EXTERIOR SIGNAGE
13	APPROXIMATE LOCATION OF ELECTRICAL METERS
14	DOWNSPOUT, COLOR TO MATCH ADJACENT WALL
15	WALL PACK LIGHTING
16	GABLE VENT
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**3 REAR SIDE ELEVATION**  
1/4" = 1'-0"



**4 LEFT SIDE ELEVATION**  
1/8" = 1'-0"

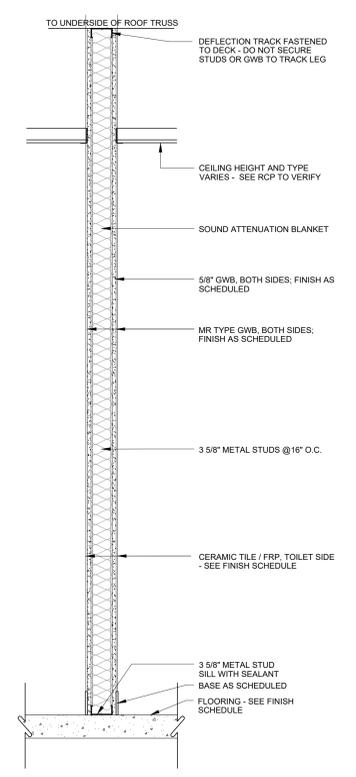
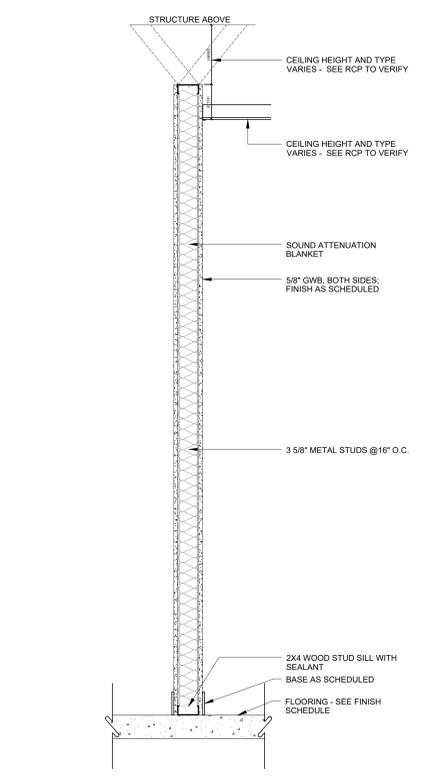
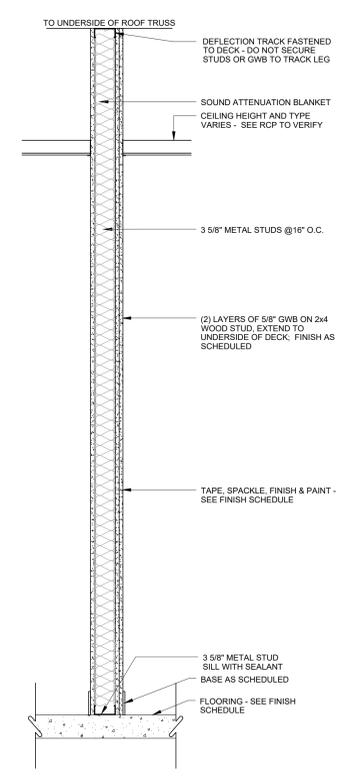
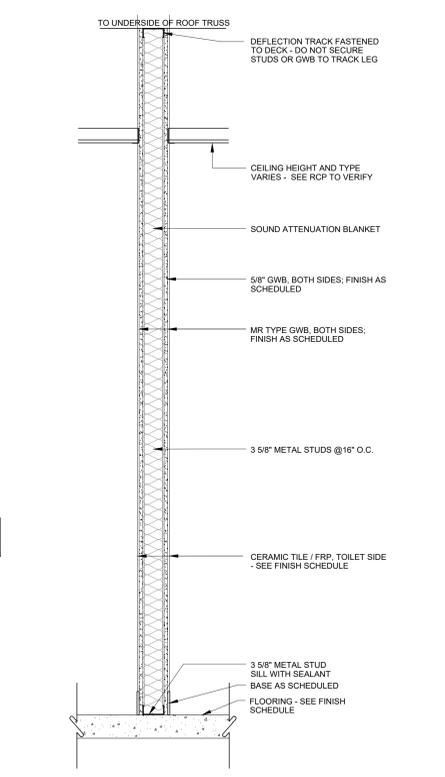
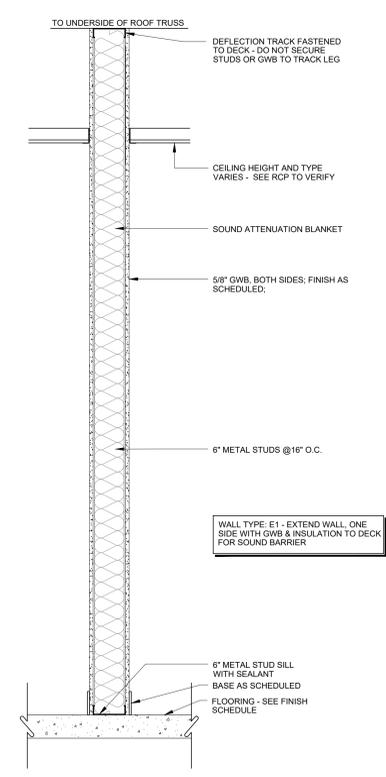
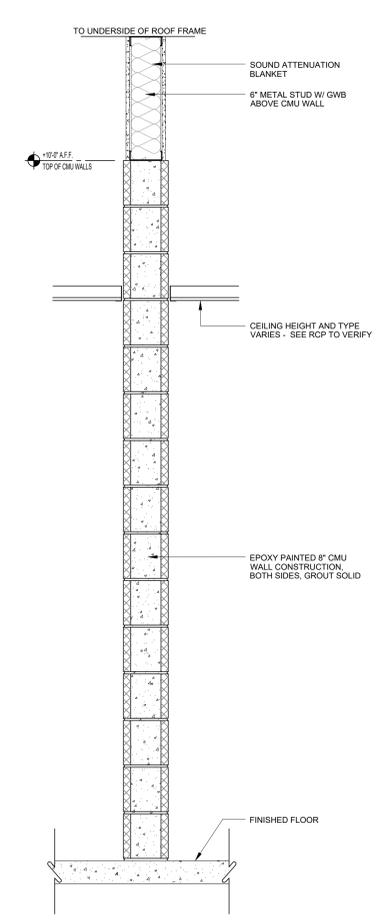
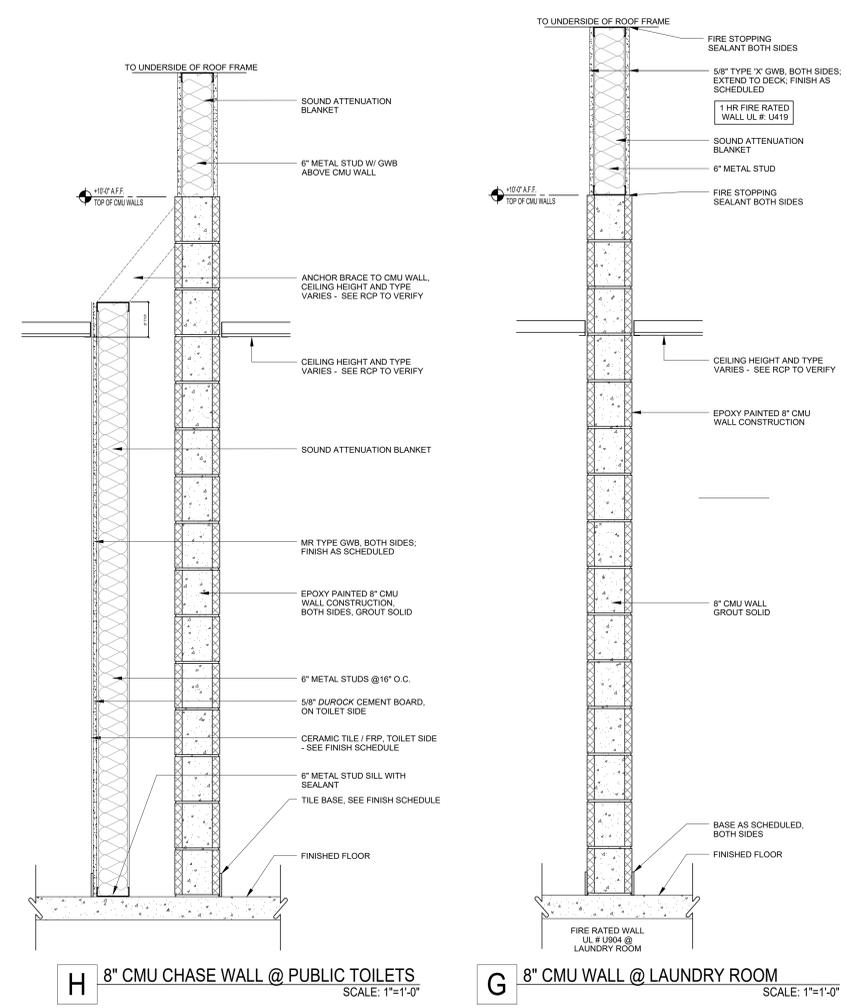
DRAWING TITLE:  
**EXTERIOR ELEVATIONS**

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REVISIONS		
NO.	DATE	DESCRIPTION

DATE: 7.21.2024  
PROJECT #: 2022.74  
SCALE: AS NOTED  
DRAWN BY: RL



DRAWING TITLE:  
**WALL TYPES**

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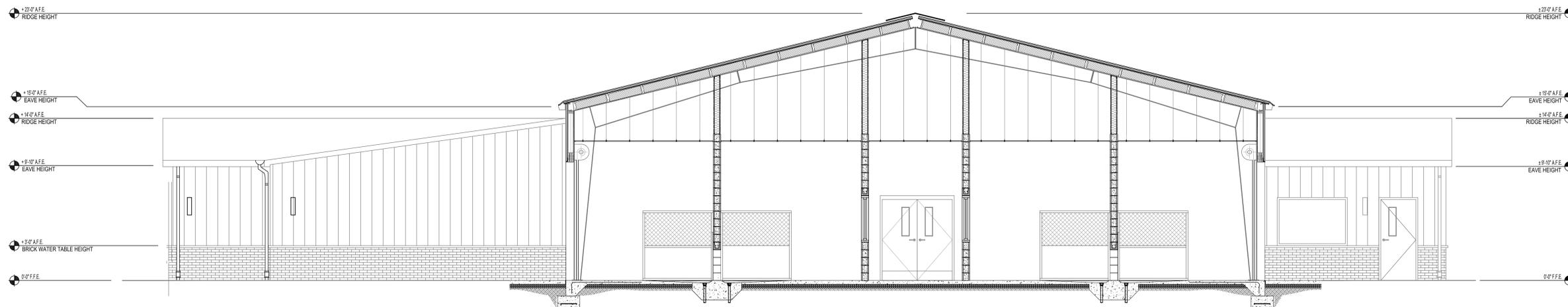
**BID SET 7.22.2024**

REVISIONS	
NO.	DESCRIPTION

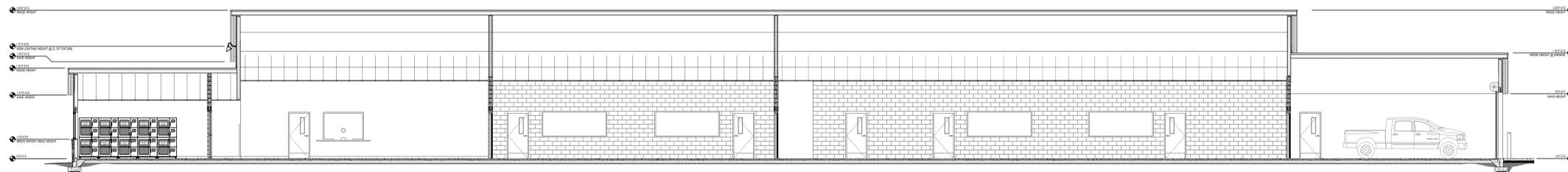
DATE: 7.21.2024  
PROJECT # 2022.74  
SCALE: AS NOTED  
DRAWN BY: RL







2 BUILDING SECTION  
A-304 1/4" = 1'-0"



1 BUILDING SECTION  
A-304 1/8" = 1'-0"

DRAWING TITLE:

**BUILDING SECTIONS**

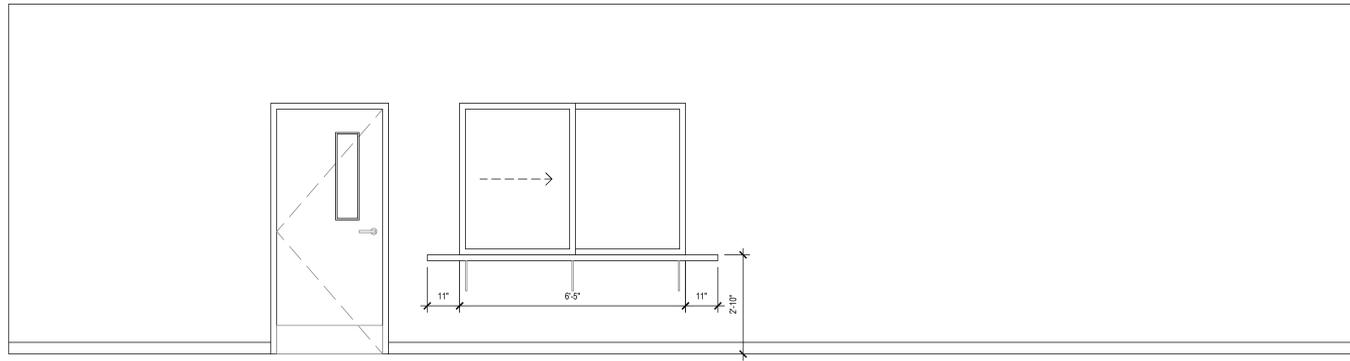
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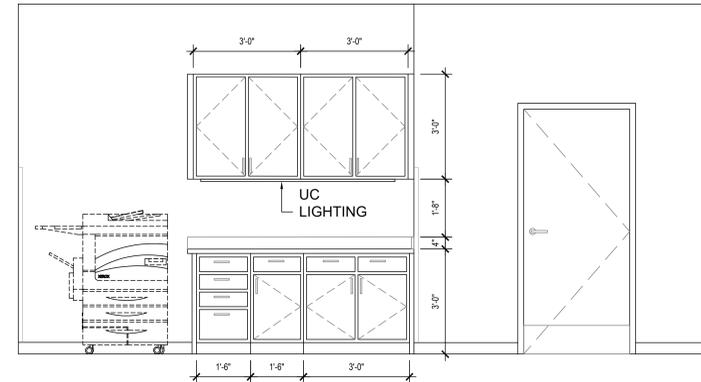
REVISIONS		
NO.	DATE	DESCRIPTION

DATE: 7.21.2024  
PROJECT #: 2022.74  
SCALE: AS NOTED  
DRAWN BY: RL

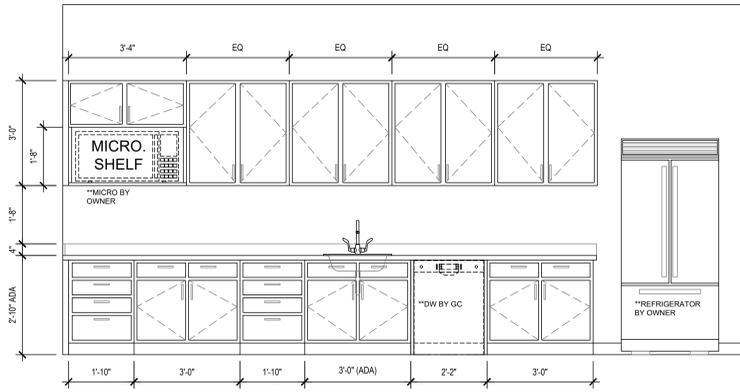
**A-304**



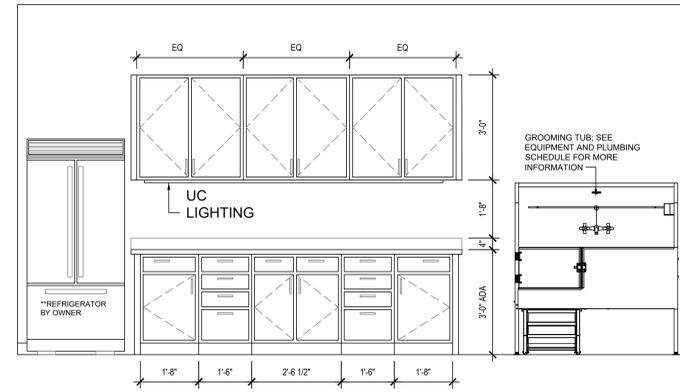
**Aa** TRANSACTION WINDOW      **Ab** TRANSACTION WINDOW - OH



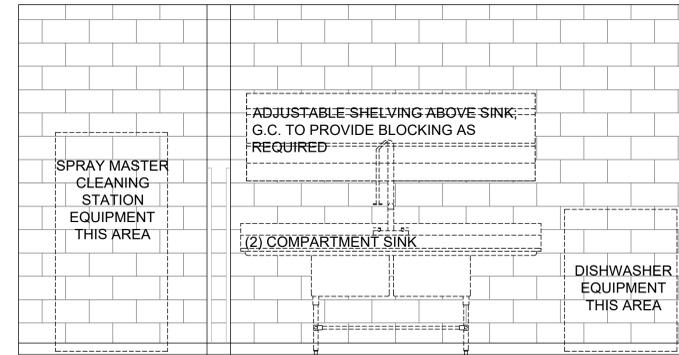
**B** OFFICE WORK AREA



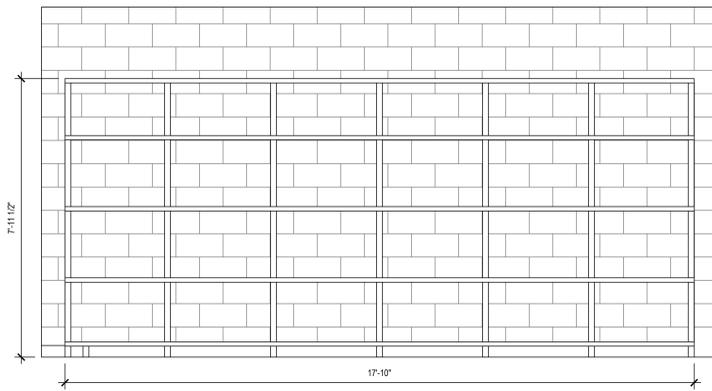
**C** BREAK ROOM



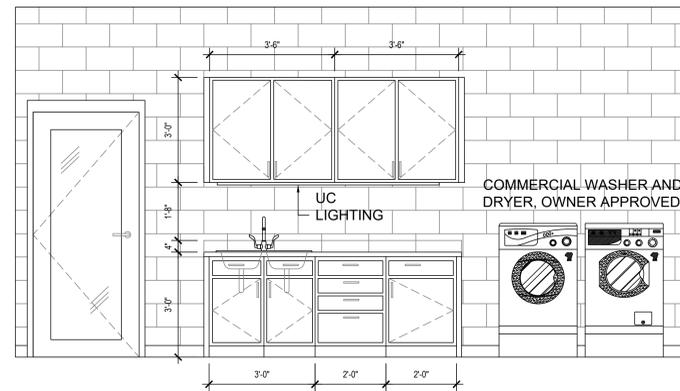
**Da** FOOD PREP AREA



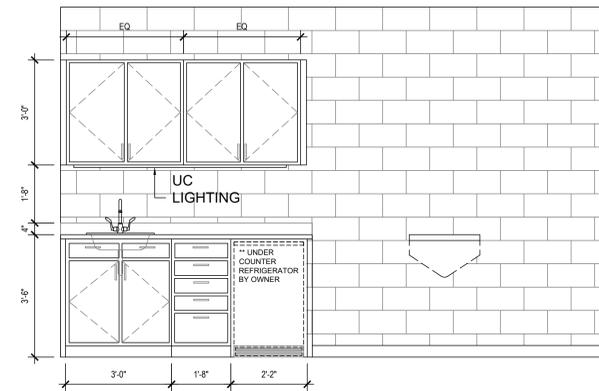
**Db** FOOD PREP AREA



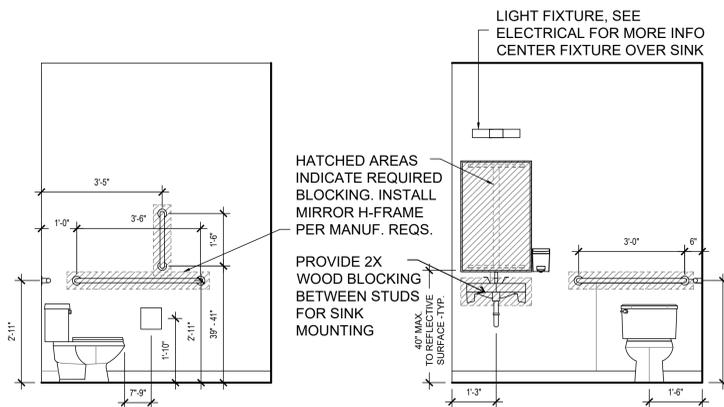
**Ea** LAUNDRY ROOM STORAGE SHELVES



**Eb** LAUNDRY ROOM MILLWORK

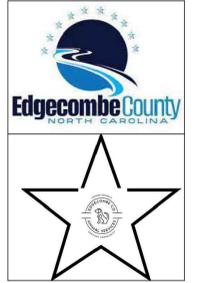


**F** INTAKE / MEDICAL EXAM ROOM MILLWORK



**G** TYPICAL TOILET ELEVATION; SEE ENLARGED TOILET PLAN A-601 FOR MORE INFORMATION

**NOTE:**  
 \*ALL MILLWORK DOORS AND DRAWERS TO BE FULL OVERLAY  
 \*SEE INTERIOR FINISH SHEETS FOR MORE INFORMATION REGARDING ALL FINISHES  
 \*SHOP DRAWINGS REQUIRED BEFORE FINAL APPROVAL  
 \*SOLID SURFACE COUNTERTOPS TO BE PROVIDED AS NOTED - SEE FINISH SCHEDULE AND MILLWORK ELEVATIONS



EDGECOMBE COUNTY  
 ANIMAL SHELTER  
 3005 ANACONDA ROAD  
 TARBORO, NC 27886



RL ARCHITECTURE, PLLC  
 PO Box 161  
 Davidson, NC 28036  
 ph. 704.756.3540  
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DRAWING TITLE:  
**INTERIOR ELEVATIONS**

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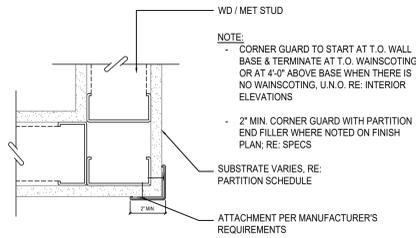
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REVISIONS	
NO.	DESCRIPTION

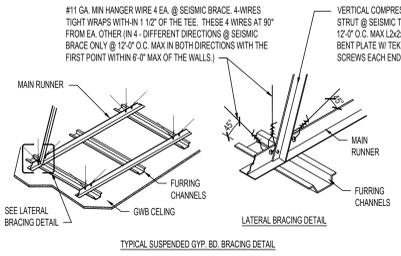
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 PROJECT # 2022.74  
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 DRAWN BY: RL

1  
 A-401 INTERIOR ELEVATIONS, CONT. 1/4" = 1'-0"





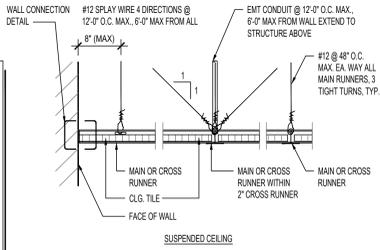
12 CORNER GUARD DETAIL, TYP  
3" = 1'-0"



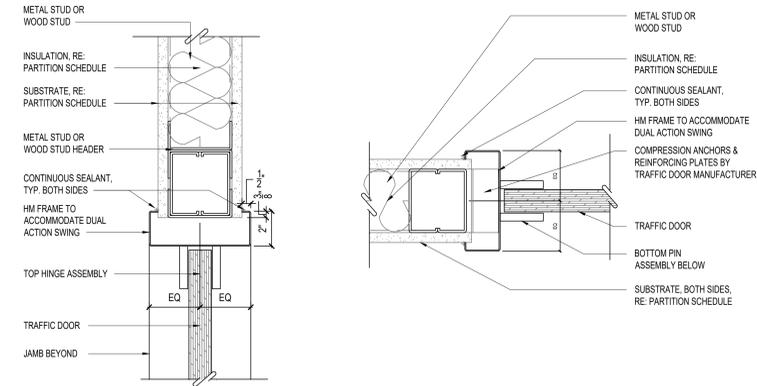
11 SUSPENDED CEILING DETAILS, TYP  
1 1/2" = 1'-0"

**GENERAL CEILING GRID NOTES:**

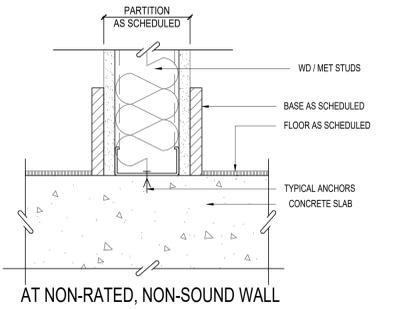
- HANGER WIRES MUST BE NO. 12 GA. MIN. SOFT-ANNEALED, MILD STEEL WIRE. WIRES SHALL BE WRAPPED TIGHTLY AT RUNNERS AND SUPPORTS AND TIES WITH A MIN. OF 3 TURNS.
- CLIPS SHALL HOLD RUNNERS TIGHTLY TOGETHER. SPlice CLIPS SHALL BE CAPABLE OF RESISTING AT LEAST SOLES. IN TENSION OR COMPRESSION.
- FOR MANUFACTURED SYSTEMS, SUBMIT SUBSTANTIATION IN ACCORDANCE WITH CURRENT BUILDING CODES.
- RUNNER SHALL BE CAPABLE OF SUPPORTING CEILING SYSTEMS WITH DEFLECTIONS LESS THAN 0.133 INCHES.
- LOCAL KINKS AND BENDS SHALL NOT BE MADE IN HANGER WIRES FOR LEVELING.
- IF THERE ARE ANY CONFLICTS BETWEEN INFORMATION PROVIDED ON THIS SHEET AND INFORMATION PROVIDED ON OTHER CONTRACT DOCUMENT, THE ARCHITECT IS TO BE NOTIFIED IMMEDIATELY.
- THESE ARE TO BE CONSIDERED MINIMUM REQUIREMENTS. LOCAL ORDINANCES MAY HAVE REQUIREMENTS CONTRADICTING INFORMATION CONTAINED ON THIS SHEET. IF THIS IS THE CASE, THE ARCHITECT IS TO BE NOTIFIED IMMEDIATELY IN ANY CASE THE LOCAL ORDINANCE REQUIREMENTS APPLY.
- SEISMIC BRACING REQUIREMENTS AND DETAILS ARE BASED ON THE INTERNATIONAL BUILDING CODE. FOR JURISDICTIONS NOT COVERED BY THE IBC, LOCAL REQUIREMENTS WILL APPLY.



10 INTERSECTION OF RATED & NON-RATED WALLS TYP.  
3" = 1'-0"



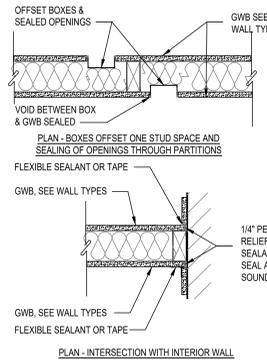
9 TRAFFIC DOOR HEAD/JAMB DETAIL  
3" = 1'-0"



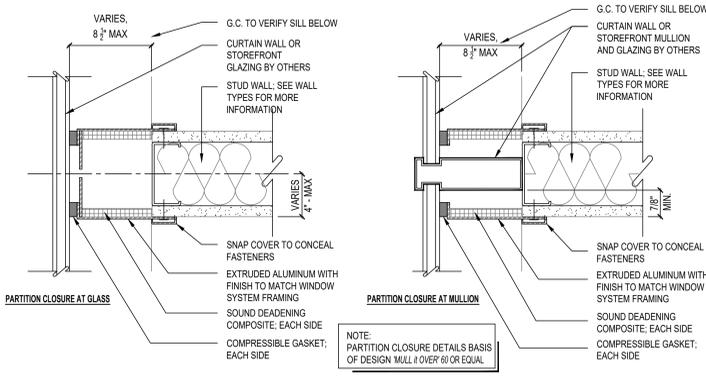
8 WALL BASE AT FLOOR, TYP  
3" = 1'-0"

**SOUND CONTROL**

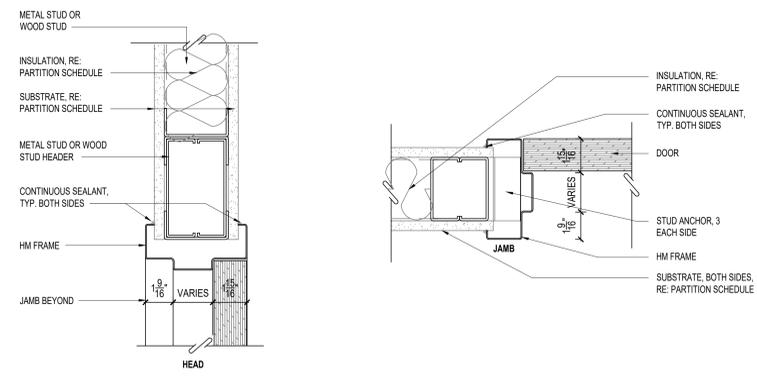
- RECESSED FIXTURES THAT PENETRATE GWB SHALL NOT BE LOCATED BACK-TO-BACK OR IN SAME STUD CAVITY.
- ANY OPENING FOR FIXTURES OR PIPES SHALL BE CUT TO THE PROPER SIZE AND SEALED.
- ENTIRE PERIMETER OF SOUND INSULATING SYSTEM SHALL BE MADE AIRTIGHT TO PREVENT SOUND FLANKING, INCLUDING JOINT TO STRUCTURE ABOVE.
- FLEXIBLE SEALANT OR AN ACOUSTICAL GASKET SHALL BE USED TO SEAL BETWEEN THE STC RATED SYSTEM AND ALL DISSIMILAR SURFACES AND BETWEEN THE SYSTEM AND SIMILAR SURFACES WHERE PERIMETER RELIEF IS REQUIRED.
- TAPE GWB AND CEILING INTERSECTIONS TO PROVIDE AN AIRTIGHT SEAL.



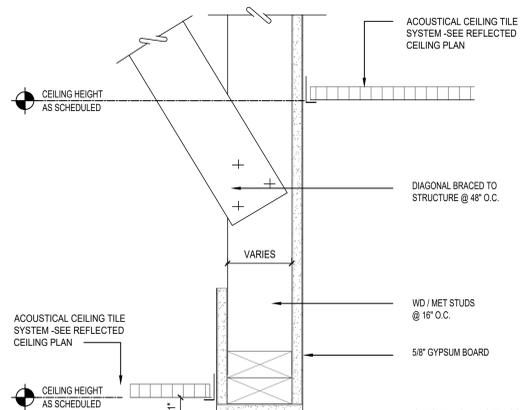
7 SOUND CONTROL DETAILS, TYP  
3" = 1'-0"



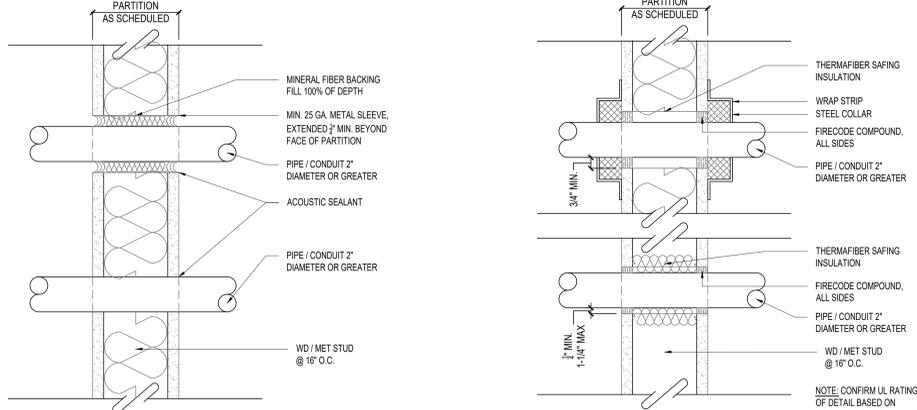
6 PARTITION CLOSURE @ GLASS & MULLION, TYP  
3" = 1'-0"



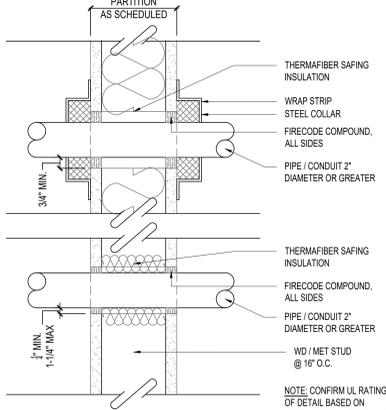
5 DOOR HEAD/JAMB DETAIL @ NON-RATED WALL, TYP.  
3" = 1'-0"



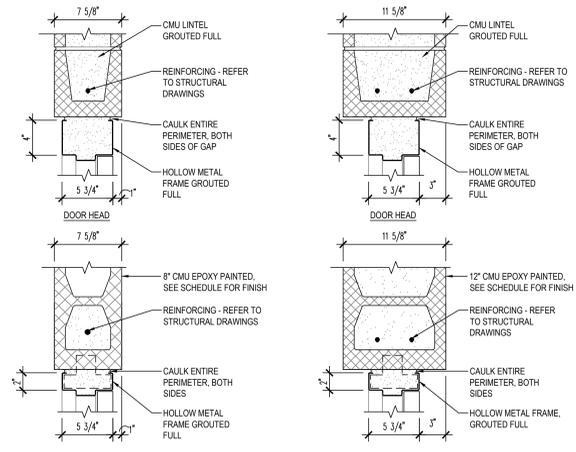
4 BULK HEAD DETAIL, TYP  
3" = 1'-0"



3 PIPE & CONDUIT PENETRATION @ SOUND WALL  
3" = 1'-0"



2 PIPE & CONDUIT PENETRATION @ FIRE WALL  
3" = 1'-0"



1 DOOR HEAD/JAMB DETAIL @ CMU WALLS, TYP.  
1-1/2" = 1'-0"

**WALL TYPE NOTE:**  
**STUD WALL TYPES MAY VARY PER PROJECT.**  
**\*\* REFER TO WALL TYPES IN THE A-300 SHEET SERIES FOR CORRECT WALL TYPES**

DRAWING TITLE:

**TYPICAL DETAILS**

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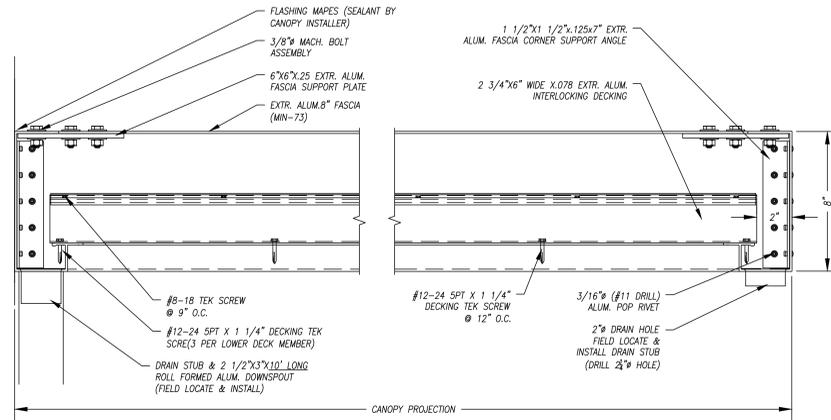
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NO.	DATE	DESCRIPTION

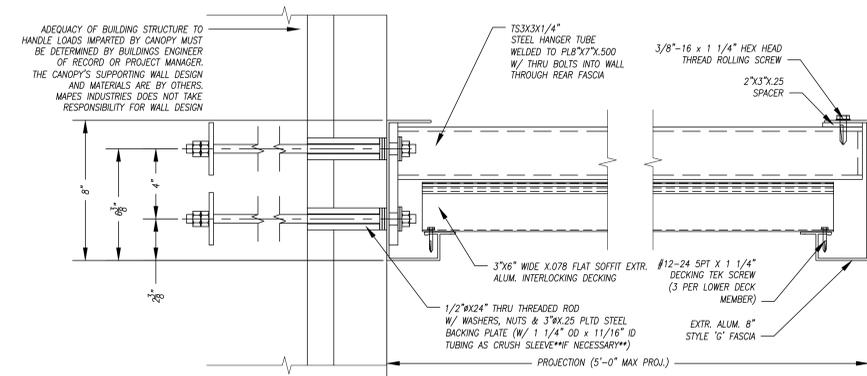
DATE: 7.21.2024  
PROJECT #: 2022.74  
SCALE: AS NOTED  
DRAWN BY: RL

**A-501**





6 MAPES SUPER LUMIDECK PLAN - END CANOPY 3" = 1'-0"



5 MAPES SUPER LUMIDECK PLAN - SECTION @ HANGER TUBE 3" = 1'-0"

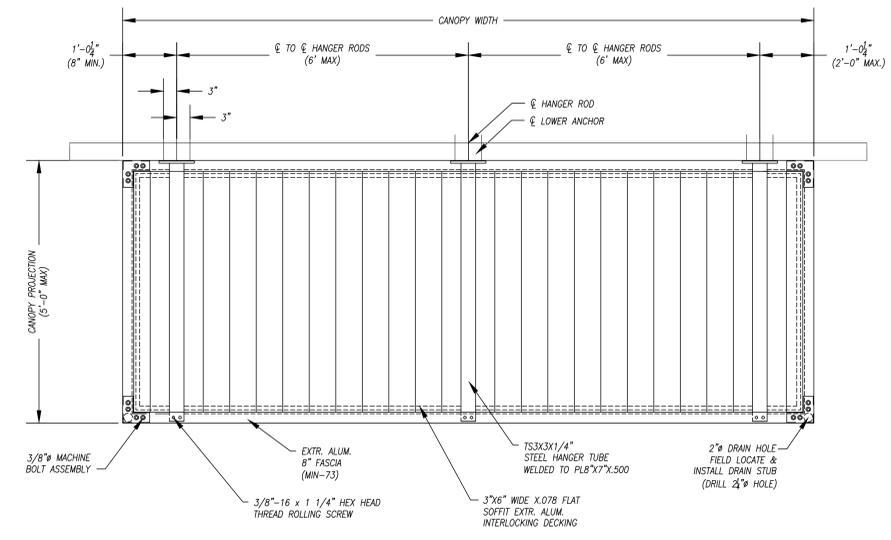
**MAPES CANOPY NOTES:**  
 \*BASIS OF DESIGN: 'SUPER LUMIDECK CANTILEVER CANOPY / FLAT SOFFIT / MAPES CANOPIES'  
 \*G.C. TO FOLLOW ALL MANUFACTURES INSTALLATION INSTRUCTIONS  
 \*'SUPER LUMIDECK CANTILEVER CANOPY / FLAT SOFFIT / MAPES CANOPIES' PLAN, SECTIONS AND INFORMATION FOR REFERENCE ONLY

**GENERAL NOTES:**

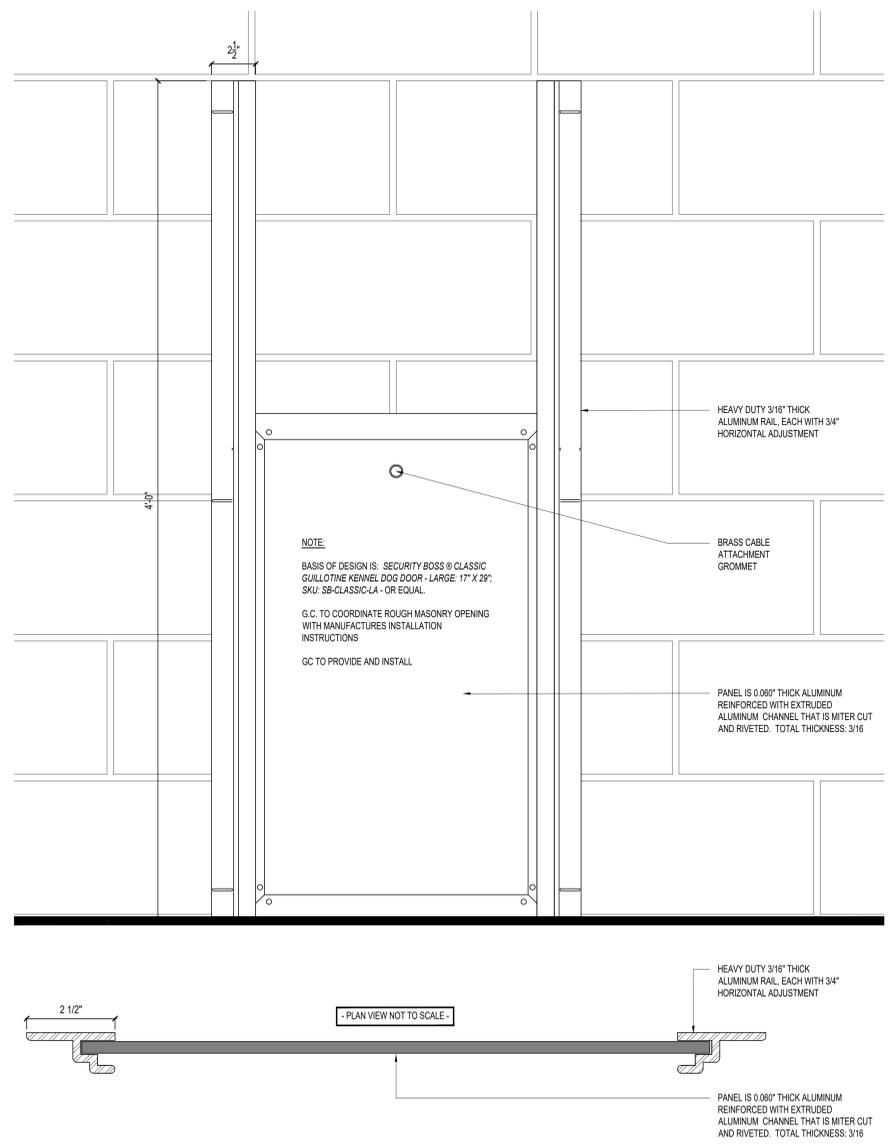
- MAPES ARCHITECTURAL CANOPIES REQUIRES ONE (1) SET OF CORRECTED DRAWINGS TO REVISE APPROVAL DRAWINGS, OR AN APPROVED SET OF DRAWINGS IN ORDER TO FABRICATE ORDER ORDERS REQUIRING ENGINEERING WILL "ONLY" BE FABRICATED "AFTER" DRAWINGS ARE APPROVED
- VERIFY ALL CANOPY AND FIELD DIMENSIONS PRIOR TO RELEASING FOR FABRICATION
- ALL ORDERS NOT APPROVED FOR PRODUCTION WITHIN 90 DAYS OF PURCHASE ORDER ARE SUBJECT TO A REVIEW OF PRICING
- ALL FASTENER HOLES NOT OTHERWISE NOTED ARE TO BE FIELD DRILLED
- ALL FASTENERS NOT OTHERWISE NOTED ARE STAINLESS STEEL OR ALUMINUM
- ADEQUACY OF WALL AND BUILDING STRUCTURE MUST BE CERTIFIED BY BUILDINGS ENGINEER OF RECORD
- WALL SYSTEMS W/ EIFS, BRICK VENEER OR METAL PANEL EXTERIOR DESIGN TYPICALLY REQUIRE COMPRESSION SPACERS TO PREVENT CRUSHING, SUPPLIED BY MAPES
- IF NEEDED, MAPES SUPPLIES 1026 DOM TUBING FOR COMPRESSION SPACERS. THE TUBING WILL BE SUPPLIED IN 24" LENGTHS TO BE CUT DOWN IN THE FIELD AS NEEDED. ENOUGH TUBING WILL BE SENT FOR 6" PER ANCHOR POINT UNLESS OTHERWISE NOTED. IT'S INTENT IS ONLY TO SPAN THROUGH ANY NON-STRUCTURAL EXTERIOR CLADDING.
- MAPES SUPPLIES ALL HARDWARE NEEDED TO ANCHOR CANOPY TO STRUCTURE. ALL STRUCTURE BEARING LOAD OF CANOPY ANCHORS IS TO BE DESIGNED, ENGINEERED, AND SUPPLIED BY OTHERS.

**GENERAL NOTES:**

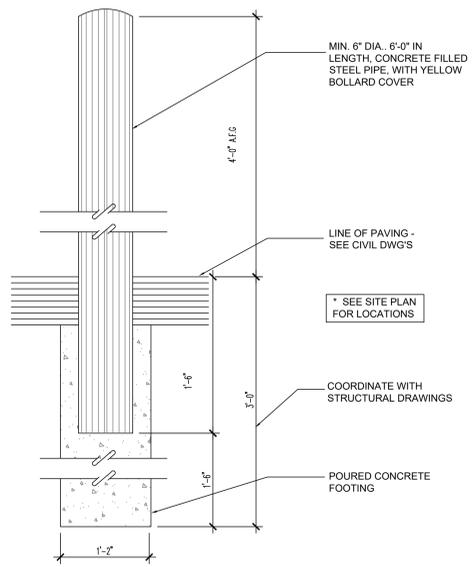
- FINISH SHALL BE BRONZE BACKED ENAMEL, WHITE BACKED ENAMEL OR CLEAR ANODIZED
- FINISH SHALL BE POWDER COAT
- FINISH SHALL BE TWO COAT KYNAR
- COLOR SHALL BE CHOSEN FROM MAPES STD SMOOTH COLOR CHART
- COUNTER FLASHING AND SEALANT, BY CANOPY INSTALLER
- SURROUND WALL ANCHORS WITH WATER TIGHT SEALANT
- EMBED ALL WALL ANCHOR WASHER IN SEALANT TO PROVIDE WATERTIGHT SEAL AT WALL
- TO ENSURE PROPER DRAINAGE, INSTALL CANOPY WITH POSITIVE CAMBER
- FASCIA DRAIN W/ DRAIN STUBS / REAR DRAINAGE W/ DOWNSPOUTS



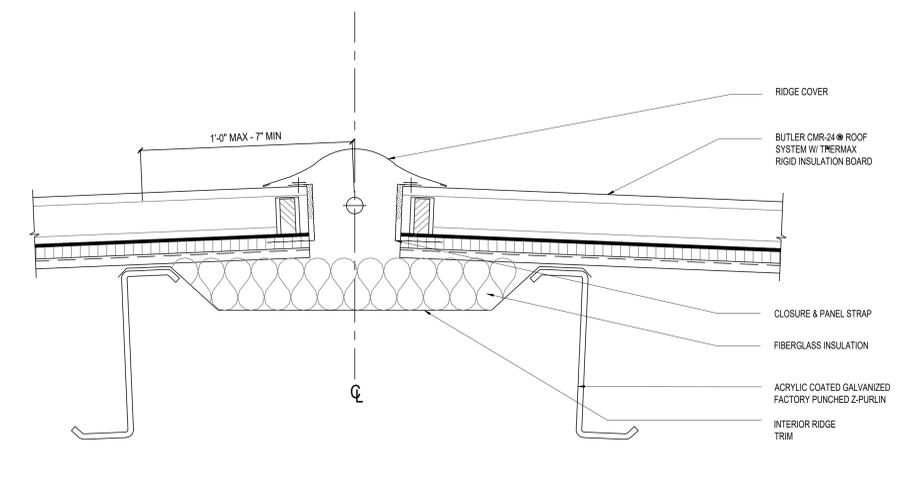
4 MAPES SUPER LUMIDECK - CANOPY PLAN 3/4" = 1'-0"



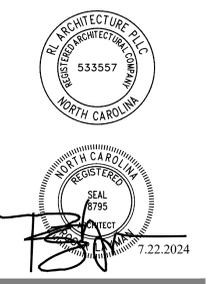
3 GUILLOTINE KENNEL DOG DOOR; TYPICAL 3" = 1'-0"



2 BOLLARD DETAIL; TYPICAL 3" = 1'-0"



1 PEMB RIDGE DETAIL; TYPICAL 3" = 1'-0"



DRAWING TITLE:  
**PROJECT SPECIFIC DETAILS**

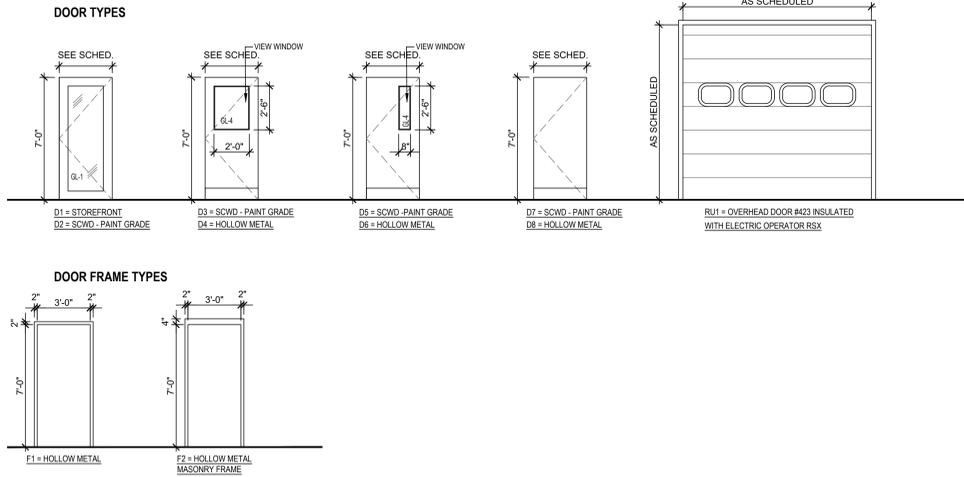
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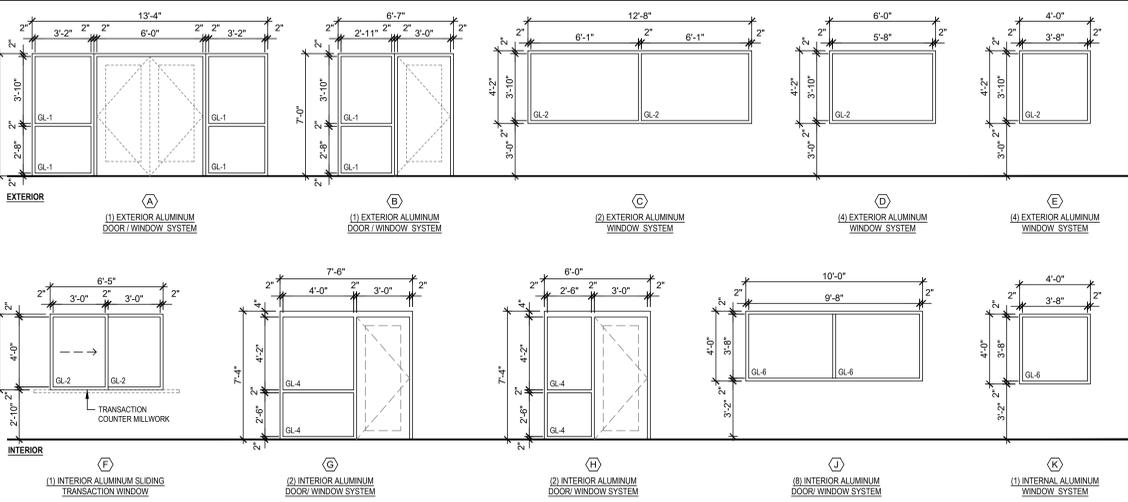
REVISIONS	
NO.	DESCRIPTION

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 PROJECT #: 2022.74  
 SCALE: AS NOTED  
 DRAWN BY: RL

**DOOR / FRAME TYPE LEGEND**



**WINDOW TYPE LEGEND**



**EXTERIOR / INTERIOR WINDOW GLAZING SCHEDULE**

WINDOW REF.	WINDOW TYPE	WINDOW SIZE (OVERALL)	FRAME TYPE	FRAME FINISH	GLAZING TYPE	REMARKS
<b>EXTERNAL</b>						
A	AL	11'-9"(W) X 7'-2" (H)	AL	-	GL-2	EXTERIOR STOREFRONT ENTRY
B	AL	6'-2"(W) X 4'-4" (H)	AL	-	GL-2	EXTERIOR WINDOW SYSTEM
C	AL	4'-11"(W) X 3'-10" (H)	AL	-	GL-2	EXTERIOR WINDOW SYSTEM
D	AL	3'-10"(W) X 4'-4" (H)	AL	-	GL-2	EXTERIOR WINDOW SYSTEM
E	AL	6'-2"(W) X 3'-10" (H)	AL	-	GL-2	EXTERIOR WINDOW SYSTEM
<b>INTERNAL</b>						
F	AL	5'-0"(W) X 4'-2" (H)	AL	-	GL-3	INTERIOR WINDOW SYSTEM
G	HM	8'-8"(W) X 7'-2" (H)	HM	PNT	GL-4	INTERIOR WINDOW SYSTEM
H	AL	3'-10"(W) X 4'-2" (H)	AL	-	GL-3	INTERIOR WINDOW SYSTEM

**ABBREVIATIONS:**  
 AL CLEAR ANODIZED ALUMINUM STOREFRONT  
 HM HOLLOW METAL

**GLAZING SCHEDULE:**  
 GL-1 1" INSULATED CLEAR TEMPERED - CLEAR, LOW E  
 GL-2 1" INSULATED CLEAR ANNEALED - CLEAR, LOW E  
 GL-3 2" CLEAR  
 GL-4 2" CLEAR TEMPERED  
 GL-5 3" CLEAR  
 GL-6 2" CLEAR TEMPERED  
 GL-7 2" LEAD GLASS @ X-RAY ROOM

**NOTES:**  
 \* OVERALL FRAME DIMENSIONS SHOWN ARE TO OVERALL OPENING. ACTUAL FRAME SIZE SHALL BE ADJUSTED PER MANUFACTURER'S CLEARANCES.  
 \* TAPE ON STOREFRONT 1/4" FOR EVEN CAULK JOINT.

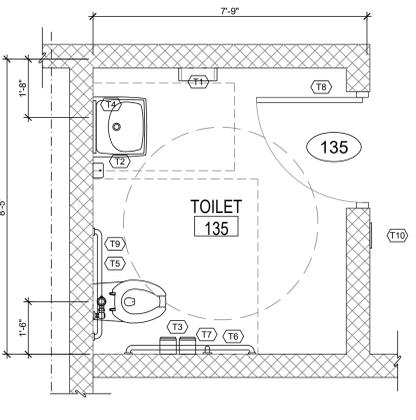
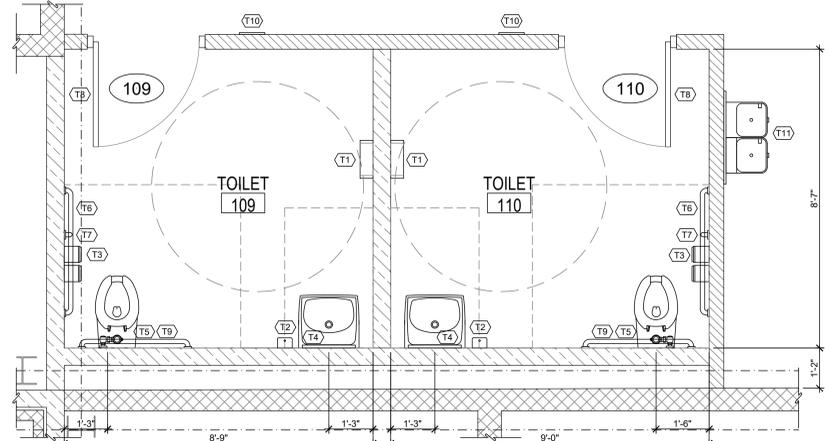
**TOILET ACCESSORY SCHEDULE**

TAG	QTY	DESCRIPTION	MODEL #
T1	1	SURFACE MOUNTED PAPER TOWEL DISPENSER	B-262 BOBRICK OR EQUAL
T2	1	SURFACE MOUNTED SOAP DISPENSER	B-42 BOBRICK OR EQUAL
T3	1	TOILET TISSUE DISPENSER	B-2740 BOBRICK OR EQUAL
T4	1	FRAMELESS MIRROR	B-165 BOBRICK OR EQUAL
T5	1	36" GRAP BAR (Ø 1-1/2")	B-6806 x 36 BOBRICK OR EQUAL
T6	1	42" GRAP BAR (Ø 1-1/2")	B-6806 x 42 BOBRICK OR EQUAL
T7	1	18" GRAP BAR (Ø 1-1/2")	B-6806 x 18 BOBRICK OR EQUAL
T8	1	COAT HOOK	B-672 BOBRICK OR EQUAL
T9	1	SURFACE MOUNTED SEAT-COVER DISPENSER (OPTIONAL)	B-4221 OR EQUAL
T10	1	ADA TACTILE SIGN - ALL DOORS	SEE ELEVATIONS A-401 & ADA NOTES ON SHEETS G-105 & G-106 FOR MORE INFORMATION
T11	1	HILD WATER COOLER WITH INTEGRATED BOTTLE FILLER	SEE PLUMBING FOR MORE INFO

NOTE: PROVIDE BLOCKING AT ALL WALL MOUNTED EQUIPMENT \*QUANTITY (COUNT) ONLY ACCOUNTS FOR TOILET ROOMS.

**ADA TACTILE SIGNAGE REQUIREMENTS - ALL DOORS TYP.**

1/4" = 1'-0"



DOOR NO.	ROOM NAME	TYPE	SIZE		MAT.	FIN.	FRAME		HARDWARE		REMARKS
			W	H			TYPE	FIN.	SET #	FIRE RATING	
101A	LOBBY / RECEPTION	D1	2(3'-0")	7'-0"	AL	MFG	A	MFG	7	X	PROVIDE CLOSER
101B	LOBBY / RECEPTION	D1	3'-0"	7'-0"	AL	MFG	B	MFG	7	X	PROVIDE CLOSER
102	CAT CONDO # 1	D1	3'-0"	7'-0"	AL	MFG	G	MFG	6	X	PROVIDE CLOSER
103	CLOSET	D8	3'-0"	7'-0"	HM	PNT	HM	PNT	5	X	
104	CAT CONDO # 2	D1	3'-0"	7'-0"	AL	MFG	G	MFG	6	X	PROVIDE CLOSER
105	CLOSET	D8	3'-0"	7'-0"	HM	PNT	HM	PNT	5	X	
106A	SMALL DOG HOUSING	D1	3'-0"	7'-0"	AL	MFG	H	MFG	6	X	PROVIDE CLOSER
106B	SMALL DOG HOUSING	D1	3'-0"	7'-0"	AL	MFG	H	MFG	6	X	PROVIDE CLOSER
106C	SMALL DOG HOUSING	D6	3'-0"	7'-0"	HM	PNT	HM	PNT	3	X	PROVIDE CLOSER
106D	SMALL DOG HOUSING	D6	3'-0"	7'-0"	HM	PNT	HM	PNT	3	X	PROVIDE CLOSER
107A	MECHANICAL ROOM	D8	3'-0"	7'-0"	HM	PNT	HM	PNT	5	X	
107B	MECHANICAL ROOM	D8	2(3'-0")	7'-0"	HM	PNT	HM	PNT	5	X	
108	CLEANING STATION	D8	3'-0"	7'-0"	HM	PNT	HM	PNT	5	X	
109	TOILET	D7	3'-0"	7'-0"	WD	STN	HM	PNT	2	X	
110	TOILET	D7	3'-0"	7'-0"	WD	STN	HM	PNT	2	X	
111	ADMIN OFFICE	D5	3'-0"	7'-0"	WD	STN	HM	PNT	4	X	PROVIDE CLOSER
112	IT ROOM	D8	3'-0"	7'-0"	WD	STN	HM	PNT	5	X	
113	ADMIN OFFICE	D5	3'-0"	7'-0"	WD	STN	HM	PNT	4	X	
114	SUPPLY CLOSET	D8	3'-0"	7'-0"	WD	STN	HM	PNT	1	X	
115	CORRIDOR # 1	D6	3'-0"	7'-0"	HM	PNT	HM	PNT	3	X	PROVIDE CLOSER
116	BREAK ROOM	D3	3'-0"	7'-0"	WD	STN	HM	PNT	1	X	
116B	BREAK ROOM	D4	3'-0"	7'-0"	HM	PNT	HM	PNT	3	X	
117A	EXT DOG ADOPTION	RU1	10'-8"	10'-0"	AL	MFG	MFG	MFG	-	X	ROLL UP DOOR
117B	EXT DOG ADOPTION	RU1	10'-8"	10'-0"	AL	MFG	MFG	MFG	-	X	ROLL UP DOOR
117C	EXT DOG ADOPTION	RU1	10'-8"	10'-0"	AL	MFG	MFG	MFG	-	X	ROLL UP DOOR
117D	EXT DOG ADOPTION	D6	3'-0"	7'-0"	HM	PNT	HM	PNT	3	X	PROVIDE CLOSER
118A	INT DOG ADOPTION	D4	3'-0"	7'-0"	HM	PNT	HM	PNT	1	X	PROVIDE CLOSER
118B	INT DOG ADOPTION	D4	3'-0"	7'-0"	HM	PNT	HM	PNT	1	X	PROVIDE CLOSER
119A	CORRIDOR # 2	D4	2(3'-0")	7'-0"	WD	STN	HM	PNT	6	X	PROVIDE CLOSER
119B	CORRIDOR # 2	D6	2(3'-0")	7'-0"	HM	PNT	HM	PNT	6	X	PROVIDE CLOSER
120A	INT DOG ADOPTION	D4	3'-0"	7'-0"	HM	PNT	HM	PNT	1	X	PROVIDE CLOSER
120B	INT DOG ADOPTION	D1	3'-0"	7'-0"	HM	PNT	HM	PNT	1	X	PROVIDE CLOSER
121A	EXT DOG ADOPTION	RU1	10'-8"	10'-0"	AL	MFG	MFG	MFG	-	X	ROLL UP DOOR
121B	EXT DOG ADOPTION	RU1	10'-8"	10'-0"	AL	MFG	MFG	MFG	-	X	ROLL UP DOOR
121C	EXT DOG ADOPTION	RU1	10'-8"	10'-0"	AL	MFG	MFG	MFG	-	X	ROLL UP DOOR
121D	EXT DOG ADOPTION	D6	3'-0"	7'-0"	HM	PNT	HM	PNT	3	X	PROVIDE CLOSER
123	CORRIDOR # 4	D6	3'-0"	7'-0"	HM	PNT	HM	PNT	3	X	PROVIDE CLOSER
124	CORRIDOR # 5	D6	3'-0"	7'-0"	HM	PNT	HM	PNT	3	X	PROVIDE CLOSER
125	CORRIDOR # 6	D6	2(3'-0")	7'-0"	HM	PNT	HM	PNT	3	X	PROVIDE CLOSER
126	FOOD PREP	D4	3'-0"	7'-0"	HM	PNT	HM	PNT	3	X	
127A	LAUNDRY ROOM	D6	3'-0"	7'-0"	HM	PNT	HM	PNT	3	1HR	PROVIDE CLOSER
127B	LAUNDRY ROOM	D6	3'-0"	7'-0"	HM	PNT	HM	PNT	1	1HR	PROVIDE CLOSER
128A	EXT DOG ADOPTION	RU1	10'-8"	10'-0"	AL	MFG	MFG	MFG	-	X	ROLL UP DOOR
128B	DOG QUARANTINE	D6	3'-0"	7'-0"	HM	PNT	HM	PNT	3	X	PROVIDE CLOSER
129A	DOG QUARANTINE	D6	3'-0"	7'-0"	HM	PNT	HM	PNT	3	X	PROVIDE CLOSER
130A	EXT DOG ISO	RU1	10'-8"	10'-0"	AL	MFG	MFG	MFG	-	X	ROLL UP DOOR
130B	EXT DOG ISO	D6	3'-0"	7'-0"	HM	PNT	HM	PNT	3	X	PROVIDE CLOSER
131	EXT DOG ISO	D6	3'-0"	7'-0"	HM	PNT	HM	PNT	3	X	PROVIDE CLOSER
132A	INT DOG STRAY	D4	3'-0"	7'-0"	HM	PNT	HM	PNT	3	X	PROVIDE CLOSER
132B	INT DOG STRAY	D4	3'-0"	7'-0"	HM	PNT	HM	PNT	3	X	PROVIDE CLOSER
133A	EXT DOG STRAY	RU1	10'-8"	10'-0"	AL	MFG	MFG	MFG	-	X	ROLL UP DOOR
133B	EXT DOG STRAY	RU1	10'-8"	10'-0"	AL	MFG	MFG	MFG	-	X	ROLL UP DOOR
133C	EXT DOG STRAY	RU1	10'-8"	10'-0"	AL	MFG	MFG	MFG	-	X	ROLL UP DOOR
133D	EXT DOG STRAY	D6	3'-0"	7'-0"	HM	PNT	HM	PNT	3	X	PROVIDE CLOSER
134	INTAKE / MEDICAL	D4	3'-0"	7'-0"	HM	PNT	HM	PNT	3	X	
135	TOILET	D7	3'-0"	7'-0"	WD	STN	HM	PNT	2	X	
136	TEMP RM	D4	3'-0"	7'-0"	HM	PNT	HM	PNT	1	X	
137	CAT ROOM	D6	3'-0"	7'-0"	HM	PNT	HM	PNT	1	X	PROVIDE CLOSER
138A	GARAGE / SALLY	D6	3'-0"	7'-0"	HM	PNT	HM	PNT	3	X	PROVIDE CLOSER
138B	GARAGE / SALLY	(2) RU1	11'-0"	10'-0"	AL	MFG	MFG	MFG	-	X	ROLL UP DOOR
139	STORAGE	D8	3'-0"	7'-0"	HM	PNT	HM	PNT	5	X	

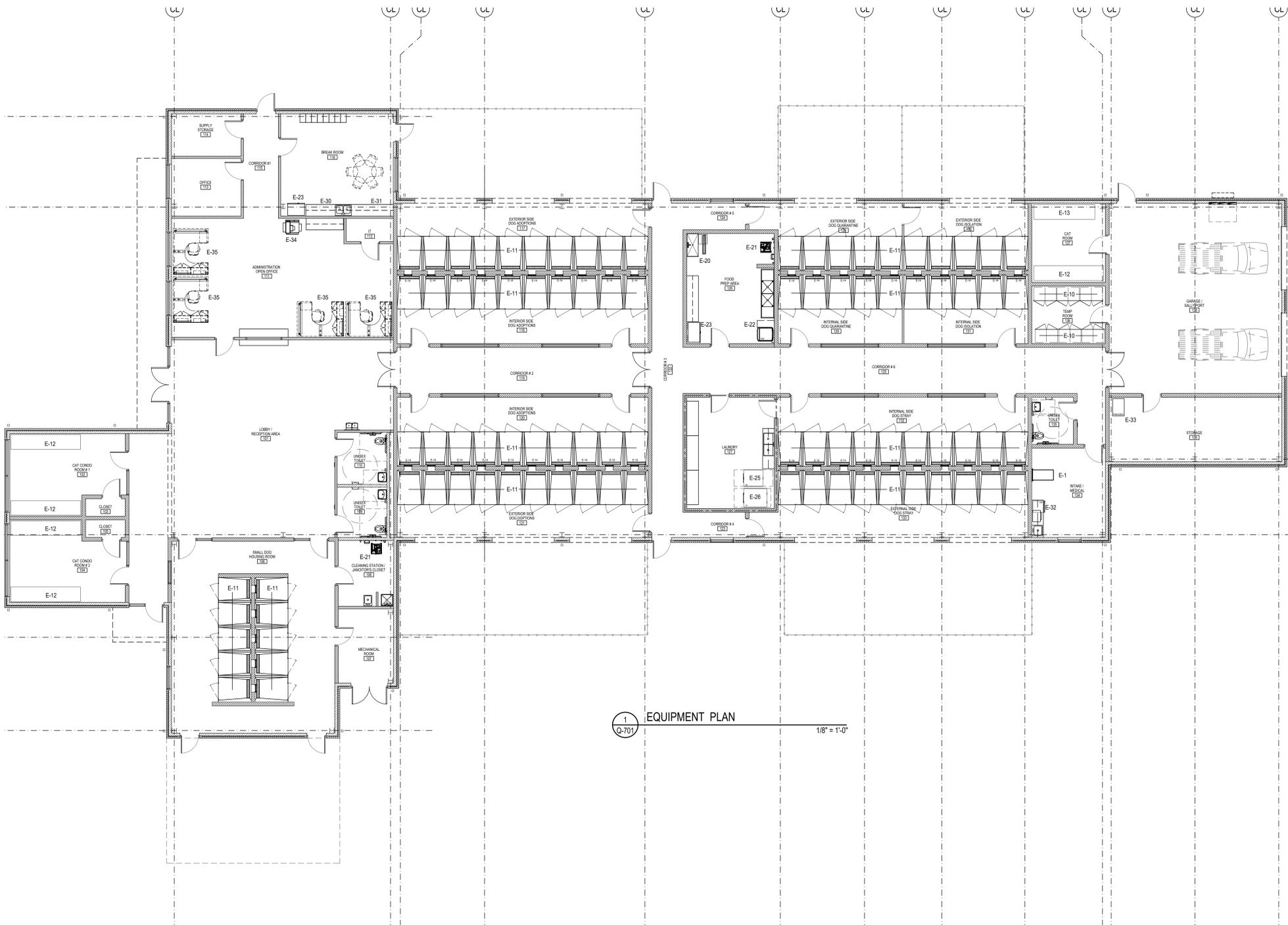
**NOTES:**

- 1. TEMPERED GLASS REQUIRED AT ALL LOCATIONS WHERE INDICATED
- 2. ALUM STOREFRONT: CLEAR ANODIZED
- 3. HM DOORS & FRAMES - STEEL CRAFT OR APPROVED EQUAL
- INTERIOR FRAME: 16 GAUGE SHOP PRIMED, REINFORCED O RECEIVE SCREWS FOR HARDWARE
- EXTERIOR FRAME: 16 GAUGE, GRADE II HEAVY DUTY, FULL FLUSH, SHOP PRIMED, HOT DIPPED GALV STEEL, REINFORCED O RECEIVE SCREWS FOR HARDWARE. U = 0.50 MAX.
- EXTERIOR DOOR: L-16 OR APPROVED EQUAL GAUGE HOT DIPPED GALVANIZED, INSULATED.
- INTERIOR WOOD DOORS: COMMERCIAL GRADE HEAVY DUTY WITH FIVE-PLY CONSTRUCTION, PARTICLE BOARD CORE, BIRCH VENEER SMOOTH FINISH, STAIN GRADE
- DOOR SCOPE BY GC - ADVANCED SAFETY PRODUCTS - Door Viewer DS238 Metallic Ultra Wide Angle Door Scope

**FINISH HARDWARE SCHEDULE:**

QTY.	DESCRIPTION	MODEL	FINISH	MFR.	QTY.	DESCRIPTION	MODEL	FINISH	MFR.
<b>GROUP 1 - PASSAGE - NO LOCK</b>									
3	HINGE	58B1 4.5X4.5	619	IVES	3	HINGE	58B1 4.5X4.5	619	IVES
1	PASSAGE SET	101	619	FALCON	1	ENTRY / OFFICE LOCKSET LEVER	521	619	FALCON
1	WALL STOP	WS407CCV	619	IVE	1	WALL STOP	WS407CCV	619	IVE
1	KICKPLATE	8400 10"	619	IVE	3	SILENCER	SR64	GRY	IVE
3	SILENCER	SR64	GRY	IVE	1	KICKPLATE	8400 10"	619	IVE
<b>GROUP 2 - PRIVACY LOCKSET - PUSH-BUTTON LOCK</b>									
3	HINGE	58B1 4.5X4.5	619	IVES	3	HINGE	58B1 4.5X4.5	619	IVES
1	PRIVACY LOCKSET	301	619	FALCON	1	STOREROOM LEVER	581	619	FALCON
1	SURFACE CLOSER	SC30A	AL	FALCON	1	WALL STOP	WS407CCV	619	IVE
1	WALL STOP	WS407CCV	619	IVE	3	SILENCER	SR64	GRY	IVE
1	KICKPLATE	8400 10"	619	IVE	1	KICKPLATE	8400 10"	619	IVE
3	SILENCER	SR64	GRY	IVE					
<b>GROUP 3 - ENTRY LOCK - KEY PAD EXTERIOR, ALWAYS FREE INTERIOR</b>									
3	HINGE	58B1 4.5X4.5	619	IVES	3	HINGE	58B1 4.5X4.5	619	IVES
1	ENTRY KEYED + KEYPAD LEVER	ICCR 3000	US26D	CAL-ROYAL	1	PUSH / PULL	PR 9284-24-18	619	IVES
1	WALL STOP	WS407CCV	619	IVE	1	WALL STOP	WS407CCV	619	IVE
3	SILENCER	SR64	GRY	IVE	3	SILENCER	SR64	GRY	IVE
1	KICKPLATE	8400 10"	619	IVE	1	KICKPLATE	8400 10"	619	IVE
<b>GROUP 4 - ENTRY / OFFICE LOCK - KEYED EXTERIOR, ALWAYS FREE INTERIOR</b>									
3	HINGE	58B1 4.5X4.5	619	IVES	3	HINGE	58B1 4.5X4.5	619	IVES
1	ENTRY KEYED + KEYPAD LEVER	ICCR 3000	US26D	CAL-ROYAL	1	PUSH / PULL (EXTERIOR)	YKK STANDARD	619	YKK
1	WALL STOP	WS407CCV	619	IVE	1	CONCEALED ROD PANIC BAR	YKK STANDARD	619	YKK
3	SILENCER	SR64	GRY	IVE					
1	KICKPLATE	8400 10"	619	IVE					
<b>GROUP 5 - STOREROOM LOCK - KEYED EXTERIOR, ALWAYS FREE INTERIOR</b>									
3	HINGE	58B1 4.5X4.5	619	IVES	3	HINGE	58B1 4.5X4.5	619	IVES
1	STOREROOM LEVER	581	619	FALCON	1	PUSH / PULL (EXTERIOR)	YKK STANDARD	619	YKK
1	WALL STOP	WS407CCV	619	IVE	1	CONCEALED ROD PANIC BAR	YKK STANDARD	619	YKK
3	SILENCER	SR64	GRY	IVE					
1	KICKPLATE	8400 10"	619	IVE					
<b>GROUP 6 - PUSH / PULL</b>									
3	HINGE	58B1 4.5X4.5	619	IVES	3	HINGE	58B1 4.5X4.5	619	IVES
1	PUSH / PULL	PR 9284-24-18	619	IVES	1	PUSH / PULL (EXTERIOR)	YKK STANDARD	619	YKK
1	WALL STOP	WS407CCV	619	IVE	1	CONCEALED ROD PANIC BAR	YKK STANDARD	619	YKK
3	SILENCER	SR64	GRY	IVE					
1	KICKPLATE	8400 10"	619	IVE					
<b>GROUP 7 - STOREFRONT ENTRY - LOCKABLE</b>									
1	PUSH / PULL (EXTERIOR)	YKK STANDARD	619	YKK	1	PUSH / PULL (EXTERIOR)	YKK STANDARD	619	YKK
1	CONCEALED ROD PANIC BAR	YKK STANDARD	619	YKK	1	CONCEALED ROD PANIC BAR	YKK STANDARD	619	YKK





1  
Q-701 EQUIPMENT PLAN  
1/8" = 1'-0"

EQUIPMENT SCHEDULE								
LOCATION	TAG	DESCRIPTION	MANUF.	MODEL NO.	MEP REQUIREMENTS	SUPPLIED BY	INSTALLED BY	REMARKS
EXAM ROOM	E-1	FOLDING WALL MOUNT EXAM TABLE - 44"x22"	MIDMARK	-	-	OWNER	G.C.	BLOCKING REQUIRED
LAUNDRY	E-2	GROOMING TUB	MIDMARK	904.0702.40	HOT / COLD WATER	OWNER	G.C.	
HOLDING ROOMS	E-10	STAINLESS STEEL CAGES	MIDMARK	902.0114.14	-	OWNER	G.C.	
	E-11	DOG RUNS	MIDMARK	RUN DOOR & SIDE PANELS	-	OWNER	G.C.	RUN SIDE PANELS ALSO REQUIRED
	E-12	CAT SUITES 12'	MIDMARK	929.0120.11	-	OWNER	G.C.	
	E-13	CAT SUITES 10'	MIDMARK	929.0015.11	-	OWNER	G.C.	
	E-14	GUILLOTINE DOOR	SECURITY BOSS	CLASSIC LARGE	-	G.C.	G.C.	1 PER RUN - MOUNT TO INSIDE SPACE
FOOD PREP	E-20	ELITE GROOMING TUB	MIDMARK	904.0702.40	1/2" CW & HW	OWNER	GC	
		FAUCET & HOSE	MIDMARK	804.0139.00	-	OWNER	GC	
	E-21	CLEANING SYSTEM	SPRAYMASTER	POWER CLEAN 2.0	1/2" CW & HW	GC	GC	
	E-22	DISHWASHER	HOBART	ECOLINE ML-130379	1/2" CW & HW	GC	GC	
	E-23	REFRIGERATOR	TBD	TBD	WATER LINE	OWNER	GC	
LAUNDRY	E-25	WASHER / EXTRACTOR	SPEED QUEEN	SYN030	1/2" CW & HW	OWNER	GC	SOFTMOUNT
	E-26	DRYER	SPEED QUEEN	STT30	-	OWNER	GC	
MISC.	E-30	ADA COMPLIANT DISHWASHER	Samsung	DW60R204US	-	SEE INSTALL MANUAL	G.C.	ADA DISHWASHER - GC TO COORD W/ MILLWORK COUNTER HEIGHT
	E-31	MICROWAVE	TBD	-	-	SEE INSTALL MANUAL	OWNER	G.C.
	E-32	UNDERCOUNTER REFRIGERATOR	TBD	-	-	SEE INSTALL MANUAL	OWNER	G.C.
	E-33	FREEZER	TBD	-	-	SEE INSTALL MANUAL	OWNER	G.C.
	E-34	COPIER	TBD	-	-	SEE INSTALL MANUAL	OWNER	G.C.
	E-35	FURNITURE	TBD	-	-	SEE INSTALL MANUAL	OWNER	OWNER

NOTES: 1. ALL EQUIPMENT TO BE REVIEWED & APPROVED BY OWNER PRIOR TO PURCHASING.  
2. COORDINATE WITH OWNER FOR FINAL SELECTIONS BEFORE ORDERING

FOR MIDMARK EQUIPMENT PLEASE CONTACT STEPHEN VILLA - SVILLA@MIDMARK.COM  
FOR SPRAYMASTER EQUIPMENT PLEASE CONTACT TRACY CANTRELL - TCANTRELL@SPRAYMASTERTECH.COM



EDGECOMBE COUNTY  
ANIMAL SHELTER  
3005 ANACONDA ROAD  
TARBORO, NC 27886

VETERINARY ARCHITECTURE  
*Unleashed*  
A Division of RL Architecture, PLLC

RLARCHITECTURE, PLLC

PO Box 161  
Davidson, NC 28036

ph. 704.756.3540  
RLArchitecture.com



DRAWING TITLE:  
**EQUIPMENT PLAN**

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**BID SET 7.22.2024**

REVISIONS	
NO.	DESCRIPTION

DATE: 7.21.2024  
PROJECT #: 2022.74  
SCALE: AS NOTED  
DRAWN BY: RL



ROOM FINISH SCHEDULE										
ROOM NO.	ROOM	FLOOR	BASE	CEILING	WALLS				REMARKS	
					TYPICAL MAT.	FIN.	ACCENT MAT.	FIN.		
101	LOBBY / WAITING RM	FT-1	FT-2	ACT-1	EX PNT	PT-1	MURAL x2		MURALS AS INDICATED ON I-801	
102	CAT CONDO RM 1	EX-1	EX-1	GWB/PT-6	EX PNT	PT-1	FRP-1 + SP		FRP-1 UP TO 8' A.F.F. ON EXTERIOR WALLS WITH EX PNT ABOVE WITH SOUND PANELS ABOVE AS INDICATED ON I-801	
103	CLOSET	EX-1	EX-1	ACT-1	EX PNT	PT-1	-	-	-	
104	CAT CONDO RM 2	EX-1	EX-1	GWB/PT-6	EX PNT	PT-1	FRP-1 + SP		FRP-1 UP TO 8' A.F.F. ON EXTERIOR WALLS WITH EX PNT ABOVE WITH SOUND PANELS ABOVE AS INDICATED ON I-801	
105	CLOSET	EX-1	EX-1	ACT-1	EX PNT	PT-1	-	-	-	
106	SMALL DOG RM	EX-1	EX-1	ACT-2	EX PNT	PT-1	-	-	FRP-1 UP TO 8' A.F.F. ON EXTERIOR WALLS WITH EX PNT ABOVE WITH SOUND PANELS ABOVE AS INDICATED ON I-801	
107	MECHANICAL RM	EX-1	EX-1	ACT-2	EX PNT	PT-1	-	-	-	
108	JANITOR CLOSET	EX-1	EX-1	ACT-2	EX PNT	PT-1	FRP	FRP-1	FRP-1 UP TO 8' A.F.F. WITH EX PAINT ABOVE	
109	TOILET	FT-1	FT-2	ACT-1	WALL TILE	WT-1&2	EX PNT	PT-2	WALL TILE UP TO 6' A.F.F WITH SS TOP CAP. PT-2 ABOVE. SEE ELEVATION ON I-801	
110	TOILET	FT-1	FT-2	ACT-1	WALL TILE	WT-1&2	EX PNT	PT-2	WALL TILE UP TO 6' A.F.F WITH SS TOP CAP. PT-2 ABOVE. SEE ELEVATION ON I-801	
111	ADMIN OPEN OFFICE	LVT-1	RB-1	ACT-1	EX PNT	PT-1	EX PNT	PT-2	ACCENT WALL AS INDICATED ON I-801	
112	IT CLOSET	LVT-1	RB-1	ACT-1	EX PNT	PT-1	-	-	-	
113	OFFICE	LVT-1	RB-1	ACT-1	EX PNT	PT-1	-	-	-	
114	SUPPLY CLOSET	LVT-1	RB-1	ACT-1	EX PNT	PT-1	-	-	-	
115	CORRIDOR 1	LVT-1	RB-1	ACT-1	EX PNT	PT-1	-	-	-	
116	BREAK ROOM	LVT-1	RB-1	ACT-1	EX PNT	PT-1	EX PNT	MURAL	SEE I-801 FOR MURAL ELEVATION	
117	EXT. SIDE DOG RUNS	EX-1	EX-1	ACT-2	EX PNT	PT-1	FRP	FRP-1	FRP-1 UP TO 8' A.F.F. ON EXTERIOR WALLS WITH EX PNT ABOVE WITH SOUND PANELS ABOVE AS INDICATED ON I-801	
118	INT. SIDE DOG RUNS	EX-1	EX-1	ACT-2	EX PNT	PT-1	FRP	FRP-1	FRP-1 UP TO 8' A.F.F. ON EXTERIOR WALLS WITH EX PNT ABOVE WITH SOUND PANELS ABOVE AS INDICATED ON I-801	
119	CORRIDOR 2	FT-1	FT-2	ACT-1	EX PNT	PT-1	-	-	-	
120	INT. SIDE DOG RUNS	EX-1	EX-1	ACT-2	EX PNT	PT-1	FRP	FRP-1	FRP-1 UP TO 8' A.F.F. ON EXTERIOR WALLS WITH EX PNT ABOVE WITH SOUND PANELS ABOVE AS INDICATED ON I-801	
121	EXT. SIDE DOG RUNS	EX-1	EX-1	ACT-2	EX PNT	PT-1	FRP	FRP-1	FRP-1 UP TO 8' A.F.F. ON EXTERIOR WALLS WITH EX PNT ABOVE WITH SOUND PANELS ABOVE AS INDICATED ON I-801	
122	CORRIDOR 3	EX-1	EX-1	ACT-1	EX PNT	PT-1	-	-	-	
123	CORRIDOR 4	EX-1	EX-1	ACT-1	EX PNT	PT-1	-	-	-	
124	CORRIDOR 5	EX-1	EX-1	ACT-1	EX PNT	PT-1	-	-	-	
125	CORRIDOR 6	EX-1	EX-1	ACT-1	EX PNT	PT-1	-	-	-	
126	FOOD PREP AREA	EX-1	EX-1	ACT-1	EX PNT	PT-1	-	-	-	
127	LAUNDRY	EX-1	EX-1	ACT-2	EX PNT	PT-1	-	-	-	
128	EXT. DOG QUARENTINE	EX-1	EX-1	ACT-2	EX PNT	PT-1	FRP	FRP-1	FRP-1 UP TO 8' A.F.F. ON EXTERIOR WALLS WITH EX PNT ABOVE WITH SOUND PANELS ABOVE AS INDICATED ON I-801	
129	INT. DOG QUARENTINE	EX-1	EX-1	ACT-2	EX PNT	PT-1	FRP	FRP-1	FRP-1 UP TO 8' A.F.F. ON EXTERIOR WALLS WITH EX PNT ABOVE WITH SOUND PANELS ABOVE AS INDICATED ON I-801	
130	EXT. DOG QUARENTINE	EX-1	EX-1	ACT-2	EX PNT	PT-1	FRP	FRP-1	FRP-1 UP TO 8' A.F.F. ON EXTERIOR WALLS WITH EX PNT ABOVE WITH SOUND PANELS ABOVE AS INDICATED ON I-801	
131	INT. DOG QUARENTINE	EX-1	EX-1	ACT-2	EX PNT	PT-1	FRP	FRP-1	FRP-1 UP TO 8' A.F.F. ON EXTERIOR WALLS WITH EX PNT ABOVE WITH SOUND PANELS ABOVE AS INDICATED ON I-801	
132	INT. HOLDING STRAY DOG	EX-1	EX-1	ACT-2	EX PNT	PT-1	FRP	FRP-1	FRP-1 UP TO 8' A.F.F. ON EXTERIOR WALLS WITH EX PNT ABOVE WITH SOUND PANELS ABOVE AS INDICATED ON I-801	
133	EXT. HOLDING STRAY DOG	EX-1	EX-1	ACT-2	EX PNT	PT-1	FRP	FRP-1	FRP-1 UP TO 8' A.F.F. ON EXTERIOR WALLS WITH EX PNT ABOVE WITH SOUND PANELS ABOVE AS INDICATED ON I-801	
134	INTAKE / MEDICAL	EX-1	EX-1	ACT-2	EX PNT	PT-1	FRP	FRP-1	FRP-1 UP TO 4' A.F.F. ON WITH EX PNT ABOVE	
135	UNISEX TOILET	FT-1	FT-2	ACT-1	WALL TILE	WT-1&2	EX PNT	PT-2	WALL TILE UP TO 6' A.F.F WITH SS TOP CAP. PT-2 ABOVE. SEE ELEVATION ON I-801	
136	TEMP ROOM	EX-1	EX-1	ACT-1	EX PNT	PT-1	-	-	-	
137	CAT ROOM	EX-1	EX-1	GWB/PT-6	EX PNT	PT-1	-	-	-	
138	GARAGE / SALLY PORT	CONC	CONC	EXPOSED	EX PNT	PT-1	-	-	EXPOSED CEILING DRY FOG PAINTED PT-6 WITH TECTUM PANELS SCREWED TO DECK.	
139	STORAGE	CONC	CONC	EXPOSED	EX PNT	PT-1	-	-	EXPOSED CEILING DRY FOG PAINTED PT-6 WITH TECTUM PANELS SCREWED TO DECK.	

FINISH MATERIALS				
CODE	MATERIAL	MANUFACTURER	PRODUCT NUMBER	DESCRIPTION / REMARKS
ACT1	ACOUSTIC CEILING TILE	USG MARS ACOUSTICAL PANELS	#86185 (WHITE) 24" x 24"	WHITE, NRC .80
ACT2	ACOUSTIC CEILING TILE	ARMSTRONG (TECTUM)	TECTUM HIGH NRC CEILING PANELS INSTALLED WITH E-400 GRID SYSTEM	24"x24" TECTUM HIGH NRC WHITE 1/4" REGULAR WHITE WITH WHITE GRID
CONC	CLEAR SEALER	-	-	-
EX-1	EPOXY FLOORING	SILIKAL EPOXY	CUSTOM FLAKE BLEND (16=10%, 23=30%, 3=30%, 1=30%)	1/8" FLAKES SILIKAL BLEND. 4" FLASH COVE UNLESS NOTED OTHERWISE
FRP-1	FIBERGLASS REINFORCED PLASTIC	MARLITE	STANDARD FRP SMOOTH LIGHT GRAY	CAULK ALL SEAMS WITH CAULK TO MATCH
FRP-2	TRANSITION FROM FRP TO GWB	MARLITE	TRIM TO MATCH	TOP CAP FOR ALL FRP; COLORS TO COORDINATE.
FT-1	FLOOR TILE	GIO TILE	ALLOY JADE	12X24 FLOOR TILE WITH FT-2 BASE
FT-2	FLOOR TILE	GIO TILE	BASALTINA ANTHRACITE	6X12 COVE BASE
GT-1	EPOXY GROUT	TEC GROUT	ACCUCOLOR EFX EPOXY GROUT COLOR: 953 STARRY NIGHT	USE WITH FT-1 AND FT-2
GT-2	EPOXY GROUT	TEC GROUT	ACCUCOLOR EFX EPOXY GROUT COLOR: 905 LIGHT COOL GRAY	USE WITH WT-1 AND WT-2
LVT-1	LUXURY VINYL TILE	PATCRAFT	MARK MAKING INDIGO V2 (00450)	5MM PRODUCT TO BE GLUED DOWN LAY IN 1/3 OFFSET BRICK PATTERN
PT-1	PAINT	SHERWIN WILLIAMS	TOPSAIL (SW 6217)	EPOXY PAINT OVER BLOCK WALLS
PT-2	PAINT - ACCENT COLOR	SHERWIN WILLIAMS	DOWNPOUR (SW 6516)	EPOXY PAINT OVER BLOCK WALLS
PT-3	PAINT - ACCENT COLOR	SHERWIN WILLIAMS	NAVEL (SW 6887)	EPOXY PAINT
PT-4	PAINT - HOLLOW METAL DOORS AND ALL DOOR FRAMES	SHERWIN WILLIAMS	DOWNPOUR (SW 6516)	HOLLOW METAL - SEMI-GLOSS
PT-5	PAINT - ACCENT	SHERWIN WILLIAMS	TBD	TBD
PT-6	PAINT - CEILINGS	SHERWIN WILLIAMS	SW 7006 EXTRA WHITE	FLAT
PLAM-1	PLASTIC LAMINATE	WILSONART	TURQUOISE GLACIER BOOMERANG (Y0527-38)	SQ. EDGE WITH EDGE BAND - RADIUS OUTSIDE CORNERS (COUNTER SURFACE)
PLAM-2	PLASTIC LAMINATE	WILSONART	FAWN CYPRESS (8208-38)	EDGE BAND TO MATCH (CABINET)
RB-1	RESILIENT COVE BASE	ROPPE	700 SERIES - COLOR STORMY SKY (686)	INSTALL WITH LVT FLOOR
SS-1	SOLID SURFACE	CAMBRIA	INVERNESS BRISTOL BAY	RECEPTION TRANSACTION COUNTER
WC-1	NOT USED	-	-	-
WT-1	WALL TILE	GIO TILE	VITRO TEAL MINI BRICK MOSAIC	ACCENT STRIPE IN BATHROOM
WT-2	WALL TILE	GIO TILE	BARISTA	BATHROOM WALLS W BULL NOSE TOP CAP
STN-1	WOOD DOORS	VT INDUSTRIES	-	SOLID WOOD STAINED DOORS
SS	SCHLUTER TRIM	SCHLUTER	STAINLESS STEEL	TRANSITION CAP FROM COVE BASE TO WALL
SP	SOUND PANELS	ARMSTRONG	TECTUM	MARIGOLD AND RAINSTORM

GENERAL NOTES	
1.	ALL MATERIALS TO MEET 2018 IBC SECTIONS 803/804/805 REQUIREMENTS.
2.	NO SUBSTITUTIONS FOR MATERIALS IS ALLOWED UNLESS APPROVED BY INTERIOR DESIGNER.
3.	CONTRACTOR RESPONSIBLE FOR COORDINATING INTERIOR AND ARCHITECTURAL DRAWINGS AND INFORMING DESIGNER OF ANY DISCREPANCIES BEFORE COMMENCEMENT OF WORK.
4.	CONTRACTOR/SUBCONTRACTORS/INSTALLERS TO COMPLY WITH ALL WRITTEN INSTRUCTIONS BY MANUFACTURER FOR INSTALLATION OF ALL SPECIFIED MATERIALS.
5.	PRIOR TO ORDERING FINISHES CONFIRM ALL NUMBERS AND NAMES AND INFORM DESIGNER OF ANY DISCREPANCIES OR OMISSIONS PRIOR TO PROCUREMENT.
6.	CONFIRM ALL SUBSTRATES TO RECEIVE NEW FINISHES ARE COMPATIBLE, IN GOOD AND PROPER CONDITION TO ACCEPT NEW INTERIOR FINISH MATERIAL SPECIFIED IN FINISH SCHEDULE.
7.	PREP AND PAINT ALL METAL DOOR FRAMES WITH SEMI-GLOSS PAINT.
8.	CONFIRM ALL SUBSTRATES FOR FLOORING ARE IN COMPLIANCE WITH REQUIREMENTS FOR MAXIMUM MOISTURE CONTENT AND OTHER CONDITIONS AFFECTING PERFORMANCE OF THE MATERIALS.
9.	WOODS STAIN COLOR TO BE APPROVED BY DESIGNER. PROVIDE SAMPLES FOR SIGN-OFF BEFORE COMMENCEMENT OF WORK.
10.	CONSULT ARCHITECTURAL DWGS. FOR ANY FINISHES NOT LISTED ABOVE.
11.	PAINT AS MANY LAYERS OF PAINT TO ACHIEVE FULL OPAQUE COVERAGE OF ALL COLORS.
12.	PROVIDE SHOP DRAWINGS OF ALL MILLWORK/CASEWORK FOR SIGN-OFF APPROVAL BY DESIGNER BEFORE COMMENCEMENT OF WORK.
13.	COMPLY WITH MANUFACTURERS WRITTEN INSTRUCTIONS FOR CLEANING OF INTERIOR FINISHES.
14.	MIDMARK FURNITURE AND EQUIPMENT TO BE OWNER SUPPLIED AND CONTRACTOR INSTALLED.
15.	WINDOW GRAPHICS PROVIDED BY SIGN VENDER. PROVIDE RENDERINGS TO DESIGNER/ARCHITECT.



EDGECOMBE COUNTY  
ANIMAL SHELTER  
3005 ANACONDA ROAD  
TARBORO, NC 27886



RLARCHITECTURE, PLLC

PO Box 161  
Davidson, NC 28036

ph. 704.756.3540  
RLArchitecture.com



DRAWING TITLE:  
**FINISH SCHEDULE**

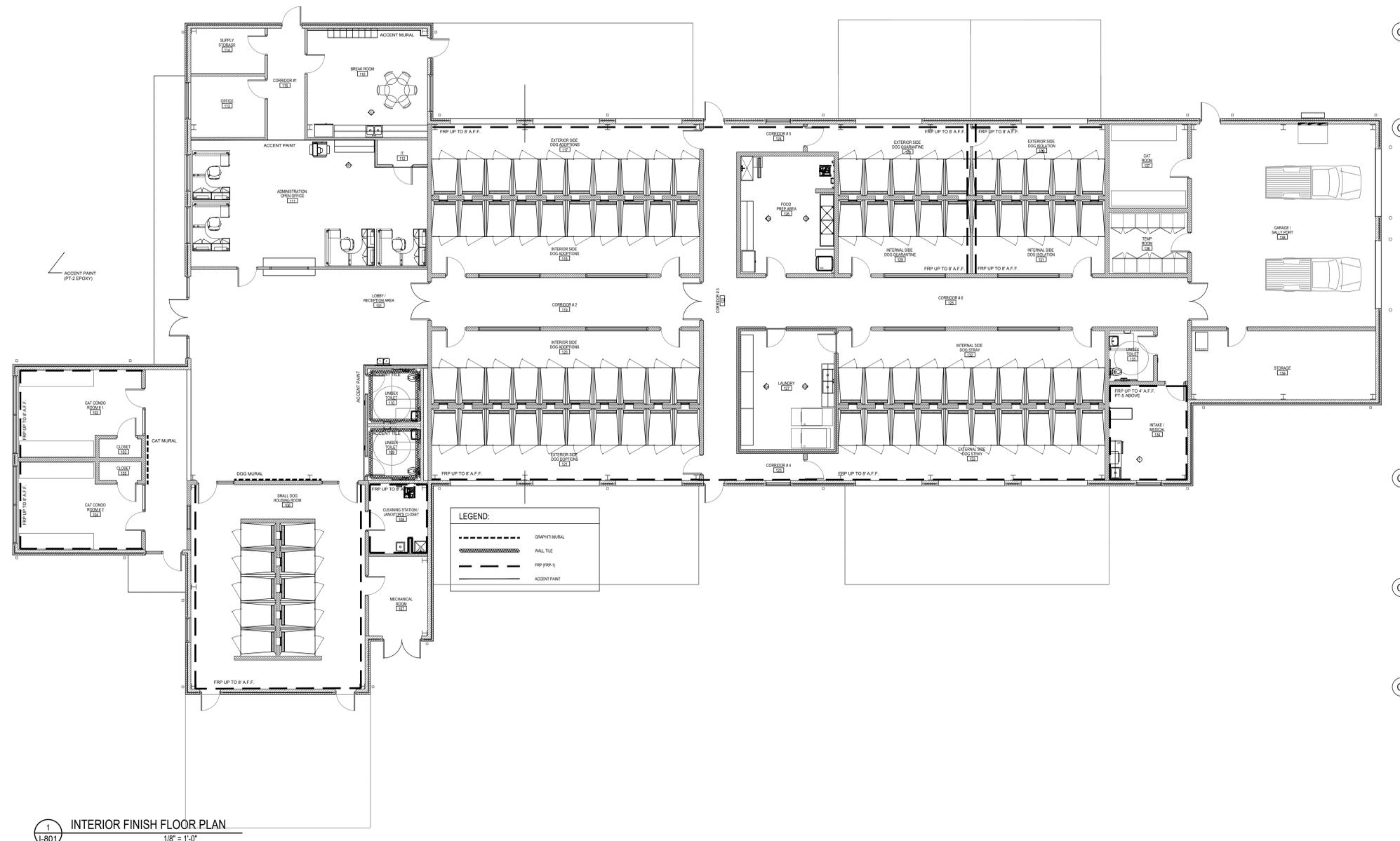
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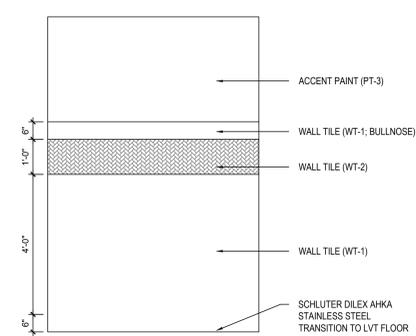
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NO.	DESCRIPTION

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PROJECT # 2022.74  
SCALE: AS NOTED  
DRAWN BY: RL

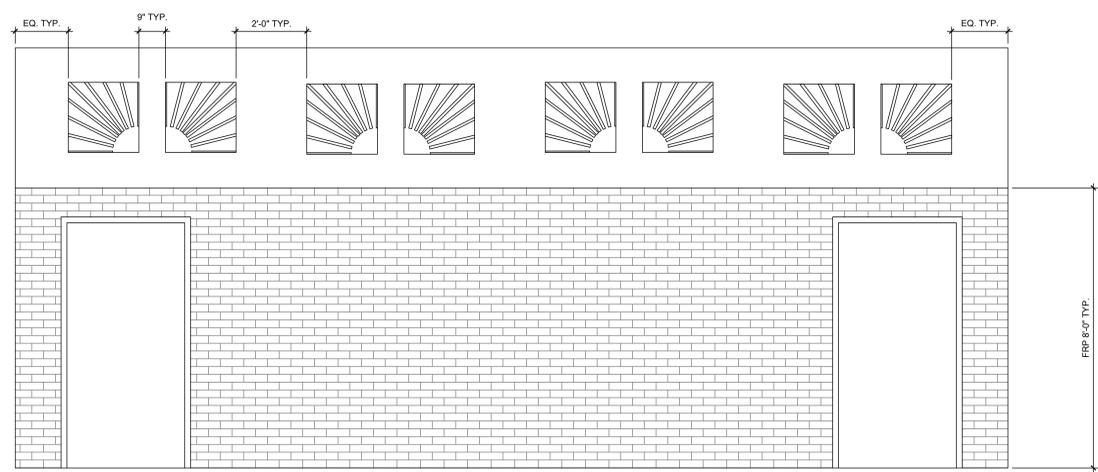




1 INTERIOR FINISH FLOOR PLAN  
1/8" = 1'-0"



2 BATHROOM TILE TYPICAL  
1/2" = 1'-0"



3 SOUND PANEL ELEVATION TYP.  
1/2" = 1'-0"

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**WALL FINISH PLAN**

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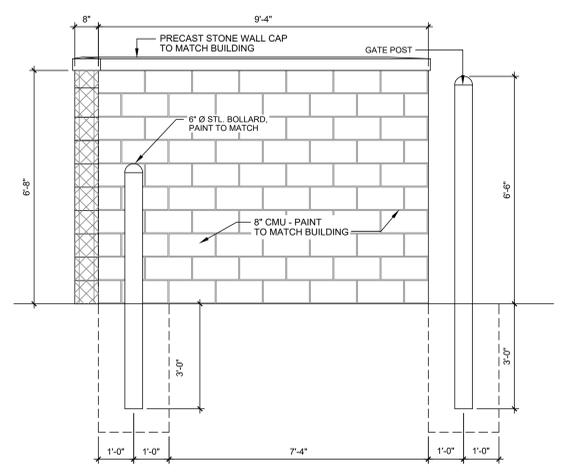
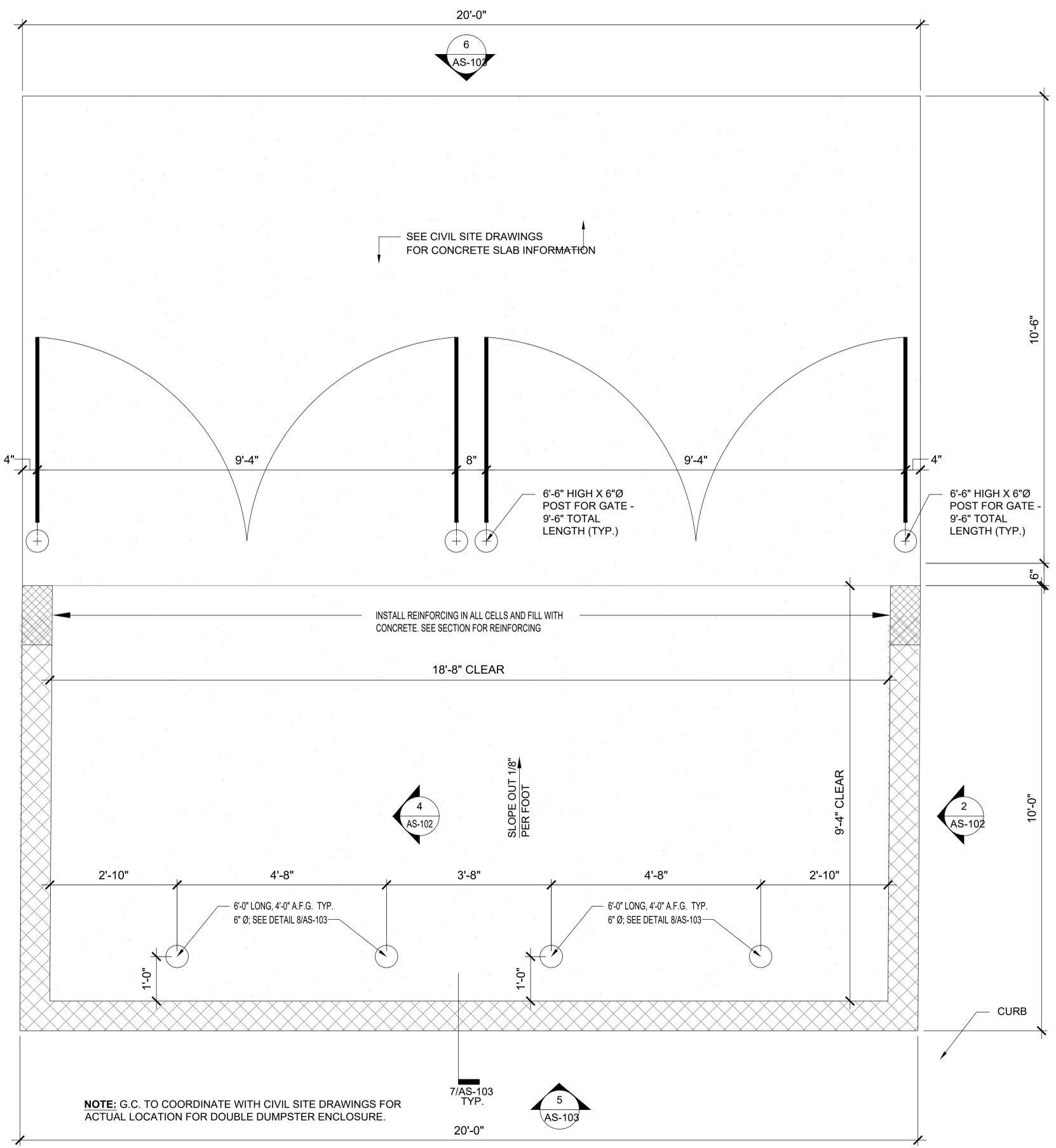
DRAWING TITLE:  
**DUMPSTER ENCLOSURE  
DETAILS**

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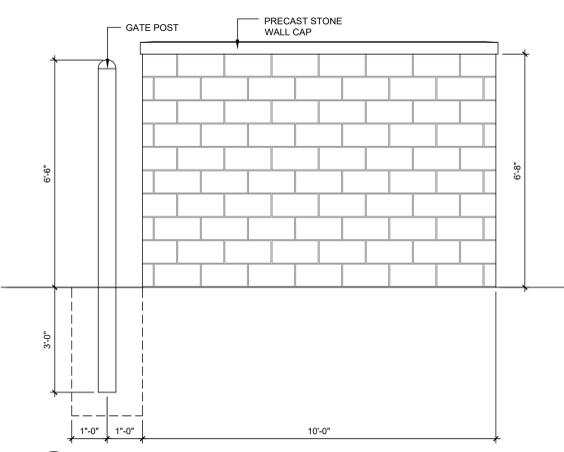
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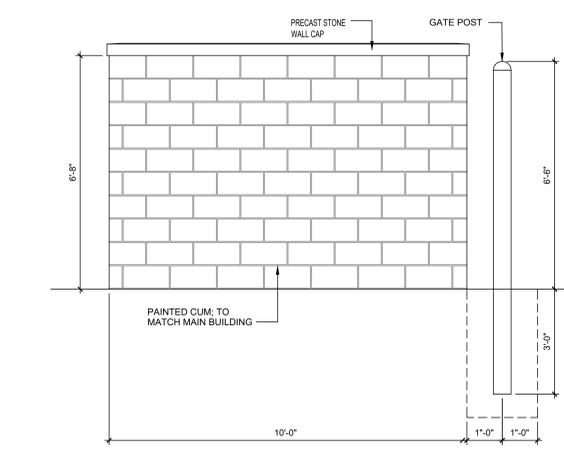
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PROJECT # 2022.74  
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4  
AS-102 INTERIOR ELEVATION SCALE: 1/2" = 1'-0"



3  
AS-102 ELEVATION SCALE: 1/2" = 1'-0"



2  
AS-102 ELEVATION SCALE: 1/2" = 1'-0"

1  
AS-102 DUMPSTER PLAN SCALE: 1" = 1'-0"

NOTE: G.C. TO COORDINATE WITH CIVIL SITE DRAWINGS FOR  
ACTUAL LOCATION FOR DOUBLE DUMPSTER ENCLOSURE.

