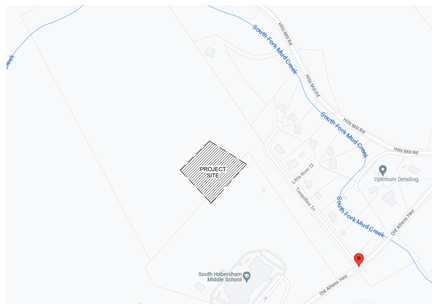
THIS SHEET PLOTS ON 42" X 30"

0 1/2" 1" 2" 3"

HABERSHAM COUNTY
ANIMAL CONTROL
CORNELIA, GEORGIA



TRUE NORTH

LOCATION PLAN

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ALPHA BLDG SET 08-19-2025

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STATE OF GEORGIA
ALLISON L. HARDY
CERTIFICATE NO. 035871
REGISTERED ARCHITECT
03/07/2025

OWNER

HABERSHAM COUNTY ANIMAL CONTROL
130 JACOBS WAY, SUITE 302
CLARKSVILLE, GA
30523

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CORNELIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-06-10	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

DRAWN: SLA
CHECKED: OH

SHEET TITLE
COVER SHEET

SHEET NO.
G-001

3/7/2025 3:57:31 PM
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DRAWING ISSUANCE LOG

NUMBER	SHEET NAME	(0) 2024-07-08 - PERMIT SET	(1) 2025-02-24 - VE CHANGES
GENERAL			
G-001	COVER SHEET	X	X
G-002	SHEET INDEX	X	X
LS101	LIFE SAFETY PLAN	X	X
CIVIL			
C-1	COVER SHEET	X	X
C-2	GENERAL NOTES	X	X
C-3	OVERALL EXISTING	X	X
C-4	OVERALL SITE PLAN	X	X
C-5	SITE PLAN	X	X
C-6	UTILITY PLAN	X	X
C-7	UTILITY PLAN	X	X
C-8	UTILITY PLAN	X	X
C-9	OVERALL GRADING PLAN	X	X
C-10	GRADING PLAN	X	X
C-10.1	DRAINAGE PLAN	X	X
C-11	GRADING & DRAINAGE PLAN	X	X
C-12	GRADING & DRAINAGE PLAN	X	X
C-13	SANITARY SEWER PIPE PROFILES	X	X
C-14	SANITARY SEWER PIPE PROFILES	X	X
C-15	STORM SEWER PIPE PROFILES	X	X
C-16	STORM SEWER PIPE PROFILES	X	X
C-17	STORMWATER POND A DETAILS	X	X
C-18	DRY DETENTION POND B DETAILS	X	X
C-19	EROSION CONTROL NOTES	X	X
C-20	EROSION CONTROL PHASE 1 - SITE AREA	X	X
C-21	EROSION CONTROL PHASE 1 - DRIVEWAY	X	X
C-22	EROSION CONTROL PHASE 2 - SITE AREA	X	X
C-23	EROSION CONTROL PHASE 2 - DRIVEWAY	X	X
C-24	EROSION CONTROL PHASE 3 - SITE AREA	X	X
C-25	EROSION CONTROL PHASE 3 - DRIVEWAY	X	X
C-26	EROSION CONTROL NOTES	X	X
C-27	EROSION CONTROL DETAILS	X	X
C-28	CONSTRUCTION DETAILS	X	X
C-29	CONSTRUCTION DETAILS	X	X
C-30	CONSTRUCTION DETAILS	X	X
C-31	CONSTRUCTION DETAILS	X	X
C-32	CONSTRUCTION DETAILS	X	X
L1.0	LANDSCAPE PLAN	X	X
L1.1	LANDSCAPE PLAN	X	X
L1.2	LANDSCAPE PLAN	X	X
L1.3	LANDSCAPE NOTES/DETAILS	X	X
STRUCTURAL			
S-001	GENERAL NOTES	X	X
S-002	ABBREVIATIONS, WIND DIAGRAM & LEGEND	X	X
S-003	SPECIAL INSPECTIONS	X	X
S-004	SPECIAL INSPECTIONS		X
S-005	FUTURE EXPANSION	X	X
S-006	JOIST LOADING DIAGRAMS		X
S-101	FOUNDATION PLAN	X	X
S-201	ROOF FRAMING PLAN	X	X
S-301	FOUNDATION DETAILS	X	X
S-302	FOUNDATION DETAILS	X	X
S-401	MASONRY DETAILS	X	X
S-402	MASONRY DETAILS		X
S-501	FRAMING DETAILS	X	X
S-601	WOOD FRAMING DETAILS	X	X
ARCHITECTURAL SITE			
AS101	ARCHITECTURAL SITE PLAN	X	X
ARCHITECTURAL			
A-001	PARTITION TYPES & PENETRATION DETAILS	X	X
A-101	FLOOR PLAN	X	X
A-102	FLOOR PLAN - DIMENSIONS	X	X
A-103	ENLARGED PLANS - DIMENSIONS	X	X
A-131	REFLECTED CEILING PLAN	X	X
A-135	CEILING DETAILS	X	X
A-151	ROOF PLAN	X	X
A-161	ROOF DETAILS	X	X
A-201	EXTERIOR ELEVATIONS	X	X
A-202	EXTERIOR ELEVATIONS	X	X
A-301	BUILDING SECTIONS	X	X
A-311	WALL SECTIONS	X	X
A-312	WALL SECTIONS	X	X
A-351	DETAILS	X	X
A-352	DETAILS	X	X
A-353	DETAILS	X	X
A-400	STANDARD RESTROOM DETAILS	X	X
A-401	RESTROOM ELEVATIONS	X	X
A-601	DOOR & FRAME SCHEDULE WITH ELEVATIONS	X	X
A-602	DOOR DETAILS	X	X
A-611	WINDOW ELEVATIONS & DETAILS	X	X
A-701	ROOM FINISH SCHEDULE & FINISH MATERIAL SPECS	X	X
A-711	FINISH PLAN - OVERALL	X	X
A-731	INTERIOR ELEVATIONS	X	X
A-732	INTERIOR ELEVATIONS	X	X
A-751	STANDARD MILLWORK DETAILS	X	X
FIRE PROTECTION			
FP-001	FIRE PROTECTION NOTES, LEGENDS, & DETAILS	X	X
FP-101	FIRE PROTECTION FLOOR PLAN	X	X
PLUMBING			
P-001	PLUMBING GENERAL NOTES & LEGENDS	X	X
P-101	SANITARY & VENT PLAN	X	X
P-102	DOMESTIC WATER PLAN	X	X
P-105	ROOF PLAN		X
P-501	PLUMBING DETAILS	X	X
P-502	PLUMBING DETAILS	X	X
P-601	PLUMBING SCHEDULES	X	X
P-602	PLUMBING SCHEDULES	X	X
P-901	SANITARY & VENT RISERS - PLAN NORTH		X
P-902	SANITARY WASTE & VENT - PLAN SOUTH		X
P-903	DOMESTIC WATER RISERS - PLAN SOUTH		X
P-904	DOMESTIC WATER RISERS - PLAN NORTH		X
P-905	NATURAL GAS RISER		X
MECHANICAL			
M-001	HVAC LEGEND, ABBREVIATIONS, AND CALCULATIONS	X	X
M-101	HVAC PLAN OVERALL	X	X
M-102	HVAC PLAN ADOPTION	X	X
M-103	HVAC PLAN INTAKE	X	X
M-104	HVAC ROOF PLAN	X	X
M-501	HVAC DETAILS	X	X
M-502	HVAC DETAILS	X	X
M-601	HVAC SCHEDULES	X	X
M-701	HVAC CONTROLS & DIAGRAMS	X	X
ELECTRICAL			
E-001	ELECTRICAL LEGEND AND NOTES	X	X
ES101	ELECTRICAL SITE PLAN		X
E-101	FLOOR PLAN - POWER AND SYSTEMS	X	X
E-102	ROOF PLAN - ELECTRICAL		X
E-130	FLOOR PLAN - LIGHTING	X	X
E-501	ELECTRICAL RISER	X	X
E-601	ELECTRICAL SCHEDULES	X	X
E-602	ELECTRICAL PANEL SCHEDULES		X
E-603	ELECTRICAL PANEL SCHEDULES		X
E-701	ELECTRICAL DETAILS	X	X
E-702	ELECTRICAL DETAILS		X
Grand total: 116			

ABBREVIATIONS:

@	AT
ABV	ABOVE
A/C	AIR CONDITIONING
ACT	ACOUSTICAL CEILING TILE
AD	AMERICANS W/ DISABILITIES
ADA	AMERICANS W/ DISABILITIES ACT
ADJ	ADJUSTABLE
ADMIN	ADMINISTRATION
A/E	ARCHITECT/ENGINEER
AFF	ABOVE FINISH FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
ALT	ALTERNATE
ALUM	ALUMINUM
ANOD	ANODIZED
ARCH	ARCHITECT, ARCHITECTURAL
AUTO	AUTOMATIC
AVG	AVERAGE
AWB	AIR & WEATHER BARRIER
AWC	ACOUSTICAL WALLCOVERING
AWP	ACOUSTICAL WALL PANEL
BD	BOARD
BERC	BEAM END RETAINING CLIP
BLDG	BUILDING
BM	BEAM
B.O.	BOTTOM OF
BOT	BOTTOM
BRG	BEARING
BYND	BEYOND
CAB	CABINET
CG	CORNER GUARD
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
CMPR	COMPRESSIBLE
CMT	CARPET MODULAR TILE
CMU	CONCRETE MASONRY UNIT
CNT	COUNTER
CNTR	CONTRACTOR
CO	CONTRACTING OFFICER
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
COR	CONTRACTING OFFICER'S REPRESENTATIVE
CPT	CARPET
CPTT	CARPET TILE
CST	CONCRETE STAIN
CT	CERAMIC/PORCELAIN TILE
CTR	CENTER
CW	COMPOSITE WOOD
D	DEPTH
DBL	DOUBLE
DEMO	DEMOLISH, DEMOLITION
DEPT	DEPARTMENT
DIA	DIAMETER
DIFF	DIFFUSER
DIM	DIMENSION
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DTL	DETAIL
DWG	DRAWING
EA	EACH
EF	EPOXY FLOORING
EFTR	EXISTING FINISH TO REMAIN
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ, EXP J	EXPANSION JOINT
ELEC	ELECTRICAL
EL, ELEV	ELEVATION
ENCL	ENCLOSE, ENCLOSURE
ENTR	ENTRANCE
EP	ELECTRICAL PANEL
EPT	EPOXY PAINT
EQ	EQUAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EX, EXIST	EXISTING
EXP	EXPOSED
EXT	EXTERIOR
FAB	FABRICATION
FCB	FIBER CEMENT BOARD
FD	FLOOR DRAIN
FDD	FIELD DETERMINE
FE	FIRE EXTINGUISHER
FEB	FIRE EXTINGUISHER BRACKET
FEC	FIRE EXTINGUISHER CABINET
FF	FINISHED FACE
FFE	FINISHED FLOOR ELEVATION
FFL	FINISHED FLOOR LEVEL
FIN	FINISH
FLR	FLOOR(ING)
FLUOR	FLUORESCENT
FND	FOUNDATION
F.O.	FACE OF
FR	FRAME
FRB	FIRE RESISTANT BATTS/BLANKETS
FRP	FIBER REINFORCED PLASTIC
FRT	FIRE RETARDANT TREATED
FT	FOOT, FEET
FTG	FOOTING
FURN	FURNITURE
FWC	FABRIC WALLCOVERING
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GEN	GENERAL
GL	GLASS
GRT	GROUT
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
H	HIGH
HC	HANDICAP
HCB	HANDICAP COUPON BOOTH
HDWR	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HT	HEIGHT
HVAC	HEATING, VENTILATION & AIR CONDITIONING
ID, I.D.	INSIDE DIAMETER
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
ISJ	ISOLATION JOINT
JAN	JANITOR
JT	JOINT
L	LONG
LAV	LAVATORY
LBL	LABEL
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LN	LINOLEUM
LVT	LUXURY VINYL TILE FLOORING
MAINT	MAINTENANCE
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MOD	MODIFICATION
MO, M.O.	MASONRY OPENING
MTD	MOUNTED
MTL	METAL
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO.	NUMBER
NTS	NOT TO SCALE
OC, O.C.	ON CENTER
OD, O.D.	OUTSIDE DIAMETER
OFRD	OVERFLOW ROOF DRAIN
O.H., OVHD	OVHD OVERHEAD
OPNG	OPENING (S)
OPP	OPPOSITE
OPP HD	OPPOSITE HAND
OS	OVERFLOW SCUPPER
PC	PRECAST
PEMB	PRE-ENGINEERED METAL BUILDING
PL	PLATE
PLAS	PLASTER
PLBG	PLUMBING
PLL	PLASTIC LAMINATE
PLYWD	PLYWOOD
PNL	PANEL
PNT	PAINT
PREFAB	PREFABRICATED
PREFIN	PREFINISHED
PT	PRESSURE TREATED
PTD	PAINTED
PVC	POLYVINYL CHLORIDE
QT	QUARRY TILE
QTY	QUANTITY
QTZ	QUARTZ MATERIAL
R, RAD	RADIUS
RAF	RESILIENT ATHLETIC FLOORING
RB	RESILIENT BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REINF	REINFORCE (D) (ING)
REQD	REQUIRED
RES	RESINOUS FLOORING
REV	REVISION
RF	RUBBER FLOORING
RFG	ROOFING
RM	ROOM
RO	ROUGH OPENING
RRF	RAISED RUBBER FLOORING
RSF	RESILIENT SHEET FLOORING (CHEMICAL WELDED SEAMS)
RTU	ROOF TOP UNIT
SAB	SOUND ATTENUATION BATTS/BLANKETS
SC	SEALED CONCRETE
SCHED	SCHEDULED
SD	STATIC DISSIPATIVE
SF	SPORTS FLOORING
SHT	SHEET
SIM	SIMILAR
SIP	STRUCTURAL INSULATED PANEL
SPEC	SPECIFICATION
SPK	SPRINKLER SYSTEM
SQ	SQUARE
SS	STAINLESS STEEL
SSM	SOLID SURFACE MATERIAL
ST	STONE
STD	STANDARD
STL	STEEL
STN	STAIN
STO	STORAGE
STR	STRUCTURE
STRUCT	STRUCTURAL
STT	STEEL TUBE
SUSP	SUSPENDED
SV	SHEET VINYL
T	PORCELAIN TILE
T & G	TONGUE & GROOVE
TBD	TO BE DETERMINED
TE	TOP ELEVATION
TEC	TERRAZZO EPOXY COATING
TEL	TELEPHONE
TEMP	TEMPERED
TER	TERRAZZO, POURED
THK	THICK
TIB	THERMAL INSULATION BATTS/BLANKETS
TLT	TOILET
T.O.	TOP OF
TOB	TOP OF BEAM
TOC	TOP OF CONC
TOS	TOP OF STEEL
TOW	TOP OF WALL
TRANS	TRANSITION
TV	TELEVISION
TYP	TYPICAL
UNFIN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
VAR	VARIES
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VIF	VERIFY IN FIELD
VP	VISION PANEL
VTR	VENT THRU ROOF
VWC	VINYL WALL COVERING
W	WIDE, WIDTH
W/	WITH
W/C	WATERCLOSET
WD	WOOD
WDP	WOOD PLANK
WM	WALK-OFF MATTS
W/O	WITHOUT
WP	WALL PAPER
WR	WATER RESISTANT
WRGWB	WATER RESISTANT GYPSUM WALL BOARD
WTRPRF	WATERPROOFING
WWF, W.W.F.	WELDED WIRE FABRIC

MASTER KEY: ARCHITECTURAL NEW WORK KEYNOTES
SEE INDIVIDUAL SHEETS FOR APPLICATION

TAG #	TAG DESCRIPTION
1	DRINKING FOUNTAIN, SEE PLUMBING.
2	WALL MOUNTED HOSE REEL, SEE PLUMBING.
3	TRENCH DRAINS - SEE PLUMBING.
4	16-GAUGE STAINLESS STEEL SINGLE COMPARTMENT COMMERCIAL SINK WITH STAINLESS STEEL LEGS & DRAINBOARD.
5	16-GAUGE STAINLESS STEEL TRIPLE COMPARTMENT COMMERCIAL SINK WITH STAINLESS STEEL LEGS, CROSS BRACING, AND ONE DRAINBOARD.
6	62" STAINLESS STEEL DOG BATHING STATION W/ RAMP. BASIS OF DESIGN: VEVOR 62". SUPPLIED BY OWNER AND INSTALLED BY CONTRACTOR.
7	STAINLESS STEEL COUNTER - SEE FINISH SCHEDULE & INTERIOR ELEVATIONS.
8	SOLID SURFACE COUNTER - SEE FINISH SCHEDULE & INTERIOR ELEVATIONS.
9	TRIPLE STACKED FIXED CAT CAGES. BASIS OF DESIGN: SHORE-LINE. CAGES SUPPLIED BY OWNER AND INSTALLED BY CONTRACTOR.
10	DOG KENNELS PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR. BASIS OF DESIGN: TBD.
11	PUPPY CAGES PROVIDED BY OWNER.
12	GUILLOTINE DOOR(S) & SALOON DOG DOOR(S) AT EACH ADOPTION KENNEL. BASIS OF DESIGN: STONE MOUNTAIN PET PRODUCTS INSULATED DOG DOORS (29.1" H x 17.45" W) & BITE-GUARD MODEL BG SURFACE MOUNT 1631 SV.
13	DOG GATE.
14	DOG YARD(S) WITH 6'-0" BLACK VINYL COATED CHAINLINK FENCE.
15	DOG BONDING YARD(S) WITH 6'-0" BLACK VINYL COATED CHAINLINK FENCE.
16	BLACK VINYL COATED CHAIN LINK FENCE, SEE CIVIL.
17	4'-0" GATE, SEE CIVIL.
18	8'-0" DOUBLE GATE, SEE CIVIL.
19	SLIDING GATE, SEE CIVIL.
20	GRADING OF 25% OF DOG PARK. REFER TO CIVIL DRAWINGS.
21	PARKING ARM BARRIER & PEDESTAL.
22	DUMPSTER ENCLOSURE W/ PAINTED CMU BLOCK ON 3 SIDES & FRONT ACCESS GATE. SEE CIVIL & STRUCTURAL FOR ENCLOSURE DETAILS. SEE A-201 FOR ENCLOSURE ELEVATIONS & MATERIALS.
23	STEEL FRAME GATE WITH COMPOSITE SLATS, GATE LATCH WITH PAD LOCK, AND CANE BOLTS.
24	GATE POST
25	BOLLARD, SEE CIVIL.
26	GENERATOR LOCATION, SEE ELECTRICAL.
27	TRANSFORMER LOCATION, SEE ELECTRICAL.
28	WALL PACK, SEE ELECTRICAL.
29	EXTERIOR WALL LIGHT, SEE ELECTRICAL.
30	WALK-IN FREEZER, SEE STRUCTURAL FOR DEPRESSED SLAB. BASIS OF DESIGN: ARCTIC WALK-IN BLUE LINE 8'x10' BL810-F-R.
31	MECHANICAL EQUIPMENT, SEE MECHANICAL.
32	EXHAUST FAN, SEE MECHANICAL.
33	LOUVER. PAINT TO MATCH METAL PANEL.
34	HIGH VOLUME, LOW SPEED CEILING FAN, SEE MECHANICAL.
35	REFRIGERATOR PROVIDED BY OWNER.
36	COMMERCIAL STACKED WASHER AND DRYER PROVIDED BY CONTRACTOR.
37	COMMERCIAL DISHWASHER PROVIDED BY OWNER.
38	RESIDENTIAL DISHWASHER PROVIDED BY OWNER.
39	VETERINARIAN EQUIPMENT PROVIDED BY OWNER.
40	SURGERY LIGHT.
41	LOOSE FURNITURE & OFFICE EQUIPMENT PROVIDED BY OWNER.
42	LOCKERS PROVIDED BY OWNER.
43	WALL MOUNTED SCREEN, PROVIDED BY OWNER.
44	HORIZONTAL MTL PANEL, BASIS OF DESIGN: PAC-CLAD BOX RIB 1. COLOR: REGAL WHITE.
45	HORIZONTAL MTL PANEL, BASIS OF DESIGN: PAC-CLAD BOX RIB 1. COLOR: BUCKSKIN.
46	HORIZONTAL MTL PANEL, BASIS OF DESIGN: PAC-CLAD BOX RIB 1. COLOR: SLATE GRAY.
47	VERTICAL MTL PANEL, BASIS OF DESIGN: PAC-CLAD BOARD & BATTEN. COLOR: REGAL WHITE.
48	VERTICAL MTL PANEL, BASIS OF DESIGN: PAC-CLAD BOARD & BATTEN. COLOR: SLATE GRAY.
49	VERTICAL MTL PANEL, BASIS OF DESIGN: PAC-CLAD BOARD & BATTEN. COLOR: PACIFIC BLUE.
50	MTL PANEL COLUMN WRAP. COLOR: REGAL WHITE.
51	ALUMINUM DARK BRONZE STOREFRONT SYSTEM.
52	PAINTED CMU BLOCK, PAINT P-13.
53	CAST STONE SILL. COLOR MATCH PAINTED CMU.
54	P.T. WOOD BEAM, PAINT P-11. SEE STRUCTURAL.
55	P.T. WOOD POST, PAINT P-11. SEE STRUCTURAL.
56	PIN MOUNTED ALUMINUM SIGN.
57	PIN MOUNTED ALUMINUM LETTERS; SIZE: 14" FONT: BELL MT 6.
58	ALUMINUM DOWNSPOUT W/ CONDUCTOR HEAD & THRU WALL SCUPPER. OVERFLOW SCUPPER AT EACH 2" ABOVE ROOF. COLOR: DARK BRONZE.
59	PRE-FINISHED ALUMINUM GUTTER & DOWNSPOUT. COLOR: DARK BRONZE.
60	PRE-FINISHED 24 GA STANDING SEAM METAL ROOF SYSTEM.
61	TPO ROOF MEMBRANE SYSTEM.
62	PRE-ENGINEERED 8" MTL CANOPY W/ 12" CHANNEL PROFILE; COLOR: DARK BRONZE.
63	ROOF WALKPADS OF CONTRASTING COLOR TO ROOF. CONFIGURE TO COORDINATE WITH MECHANICAL EQUIPMENT.
64	ROOF CRICKET.
65	ROOF ACCESS HATCH.
66	PARAPET LADDER WITH PLATFORM & RETURN.
67	ROOF ACCESS LADDER.
68	PRE-FINISHED METAL COPING.
69	ADD ALTERNATE: PROVIDE VWC-1 ABOVE WP-1 IN LIEU OF P-4.
70	ADD ALTERNATE: PROVIDE VWC-2 ABOVE WP-1 IN LIEU OF P-5.
71	GWB TO ACT FLUSH TRANSITION, SEE DETAIL B20 ON SHEET A-135.
72	ACT HIGH TO GWB LOW TRANSITION, SEE DETAIL B15 ON SHEET A-135.
73	GWB CEILING TRANSITION, SEE DETAIL B10 ON SHEET A-135.
75	LINE OF ROOF ABOVE.
76	4" CONCRETE CURB.
77	LINEAR SLOT DIFFUSER TRACK, FRAME TRACK ALONG WALL AS SHOWN - SEE MECHANICAL FOR DIFFUSER LAYOUT AND SIZES.

LEGENDS & SYMBOLS:

BUILDING SECTION
SECTION NUMBER
SHEET NO. (WHERE SHOWN)

WALL SECTION
SECTION NUMBER
SHEET NO. (WHERE SHOWN)

DETAIL
DETAIL NUMBER
SHEET NO. (WHERE SHOWN)

EXTERIOR ELEVATION
ELEVATION NUMBER
SHEET NO. (WHERE SHOWN)

TITLES
DRAWING NUMBER
SHEET NO. (WHERE SHOWN)

INTERIOR ELEVATION
ELEVATION NUMBER
SHEET NO. (WHERE SHOWN)

COLUMN GRID
COLUMN LINE NUMBER
GRID LINE

ROOM NAME
ROOM NUMBER AND LEVEL

DOOR NUMBER

PARTITION TYPE

INDICATES WINDOW ABOVE
WINDOW TYPE

ELEVATION MARK

SHEET NOTE (NEW CONSTRUCTION)

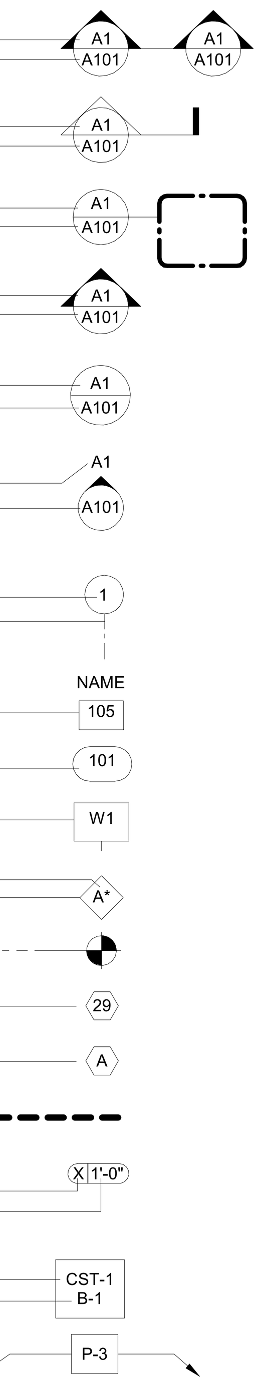
SHEET NOTE (DEMOLITION)

MATCH LINE

CEILING
CEILING TYPE
CEILING HT.

FINISH TAG
FLOOR FINISH
BASE TYPE

ACCENT WALL FINISH



GENERAL NOTES:

1. GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SUPERVISION AND COORDINATION OF ALL CONSTRUCTION PROCEDURES.
2. THESE DRAWINGS SHOULD BE STUDIED AND USED IN THEIR ENTIRETY AS INFORMATION VITAL TO ALL CONSTRUCTION ACTIVITIES.
3. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE APPLICABLE CODES AND ORDINANCES IN EFFECT AT THE TIME OF PERMIT. IN THE EVENT OF A CONFLICT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN AND BE MET.
4. CONTRACTORS SHALL COORDINATE LOCATIONS AND ELEVATIONS OF FLOOR DRAINS, DIFFUSERS, GRILLES, LOUVERS, DUCTS, ACCESS PANELS, ETC. WITH OTHER CONTRACTORS AND ARCHITECTURAL DRAWINGS.
5. WHERE A DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY TO ALL LIKE OR SIMILAR CONDITIONS, EVEN THOUGH NOT MARKED SPECIFICALLY ON THE DRAWINGS.
6. GENERAL CONTRACTOR SHALL ENSURE CONSTRUCTION ENVIRONMENT IS MAINTAINED IN SUCH A WAY TO INHIBIT MOLD AND MILDEW GROWTH.
7. PROVIDE FINISHED SURFACE UNDER AND BEHIND ALL EQUIPMENT AND CASEWORK/ MILLWORK, UNO.
8. GENERAL CONTRACTOR SHALL PROMPTLY REMOVE AND LEAGALLY DISPOSE OF ALL ACCUMULATED DEBRIS, PROTECT ALL EXPOSED PORTIONS OF THE WORK FROM THE ELEMENTS, AND AVOID OVER-LOADING STRUCTURE.
9. GENERAL CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
10. GENERAL CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONARY MEASURES TO PROTECT THE PUBLIC AND ADJACENT PROPERTIES FROM DAMAGE THROUGHOUT CONSTRUCTION.
11. ANY EXISTING UTILITIES TO BE ABANDONED SHALL BE PROPERLY DISCONNECTED, PLUGGED OR CAPPED, AS REQUIRED BY CODE OR SOUND CONSTRUCTION PRACTICE IF NOT REQUIRED BY CODE.
12. NO CHANGES, MODIFICATIONS OR DEVIATIONS SHALL BE MADE FROM THE DRAWINGS OR SPECIFICATIONS WITHOUT THE GENERAL CONTRACTOR FIRST SECURING WRITTEN PERMISSION FROM THE ARCHITECT.
13. WHERE INFORMATION IS INCOMPLETE, NOT CLEAR, OR DISCREPANCY APPEARS IN THE DRAWINGS OR SPECIFICATIONS, REQUEST WRITTEN INTERPRETATION FROM THE ARCHITECT BEFORE PORCEEDING WITH THAT PORTION OF THE WORK.
14. PROVIDE ADEQUATE CONCEALED FRT BLOCKING AND ANCHORING FOR ALL CEILING AND WALL MOUNTED EQUIPMENT, FIXTURES, CASEWORK, HARDWARE AND ACCESSORIES.
15. WHEN A SYSTEM OR ASSEMBLY IS SPECIFIED, ALL NECESSARY PARTS AND MATERIALS REQUIRED FOR A COMPLETE INSTALLATION / SYSTEM SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.
16. UNLESS OTHERWISE NOTED, ELECTRICAL CONDUITS, PLUMBING LINES, ETC, SHALL BE RUN CONCEALED WITHIN PARTITIONS AND FRAMING SIZED TO ACCOMPLISH RESULT WITHOUT CAUSING ANY CHANGES IN TEH PLANE OF THE FACOE OF THE PARTITION/WALL.
17. CONTRACTORS SHALL COORDINATE LOCATIONS OF SLEEVES OR OTHER PRESET ACCESSORIES SET BY OTHER CONTRACTORS THAT MAY AFFECT THEIR WORK.
18. THE GENERAL CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR THE COMPLETION OF ALL WORK SHOWN OR REASONABLY IMPLIED BY THESE DRAWINGS AND SPECIFICATIONS.
19. ARCHITECT IS NOT RESPONSIBLE FOR EQUIPMENT OR MATERIALS NOT SPECIFIED ON THE DRAWINGS OR IN THE SPECIFICATIONS THAT ARE REQUIRED TO COMPLETE THE WORK.
20. DIMENSIONS ON FLOOR PLANS ARE FROM FACE OF STUD/CMU AT EXTERIOR WALLS TO THE FACE OF STUD/CMU OF INTERIOR WALLS UNO. BEAMS AND GIRDERS ARE DIMENSIONED TO THE CENTERLINE, UNO.
21. DETAILS TAKE PRECEDENCE OVER PLANS & ELEVATIONS, LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER SMALLER SCALE DRAWINGS, AND SPECIFICATIONS TAKE PRECEDENCE OVER DRAWINGS.
22. ANY TEMPORARY WATER OR ELECTRICITY NEEDED TO PERFORM THE SCOPE OF THE CONSTRUCTION WORK SHALL BE PROVIDED BY THE GENERAL CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
23. SPECIFIC PRODUCTS IDENTIFIED IN THE DRAWINGS AND/OR SPECIFICATIONS ARE BASIS OF DESIGN, UNO OR NOTED AS SOLE SOURCE. AS SUBSTITUTION OF A LIKE PRODUCT FOR A PRODUCT NOT IDENTIFIED AS SOLE SOURCE CAN BE SUBMITTED TO THE ARCHITECT FOR CONSIDERATION IN ACCORDANCE WITH DIVISION 01 OF THE SPECIFICATIONS. THE PRODUCT SUBMITTED MUST BE PROMPTLY AND HAVE SAME OR BETTER PERFORMANCE OF THE PRODUCT IDENTIFIED IN THE CONTRACT DOCUMENTS.
24. GENERAL CONTRACTOR SHALL PROTECT ALL MATERIALS ON JOBSITE FROM THE ELEMENTS AND ENSURE THEY DO NOT DEVELOP MOLD.
25. GENERAL CONTRACTOR SHALL ORDER AND PURCHASE ALL SPECIFIED EQUIPMENT AND APPLIANCES DESIGNATED TO BE PROVIDED AS PART OF THE CONSTRUCTION CONTRACT. THE GENERAL CONTRACTOR SHALL STORE TEMPORARILY, PROTECT, SET-UP / INSTALL, AND CONNECT EACH ITEM AS NECESSARY FOR A COMPLETE AND OPERABLE INSTALLATION.

GENERAL CONTRACTOR'S RESPONSIBILITIES:

1. THE ARCHITECT SHALL BE RESPONSIBLE FOR OBTAINING ALL BUILDING PERMIT APPROVALS. THE GENERAL CONTRACTOR IS TO OBTAIN ALL PERMITS PRIOR TO THE COMMENCEMENT OF ANY WORK.
2. THE GENERAL CONTRACTOR SHALL FURNISH COPIES OF PERMITS, INSPECTIONS, AND CERTIFICATES TO OWNER ALONG WITH FIRST APPLICATION FOR PAYMENT.
3. THE GENERAL CONTRACTOR SHALL PROVIDE ALL CERTIFICATES OF OCCUPANCY, PERMITS AND CLOSE OUT DOCUMENTS TO OWNER UPON COMPLETION OF PROJECT.
4. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS FOR ACCURACY AND CONFIRMING THAT WORK IS BUILDABLE BEFORE PROCEEDING WITH CONSTRUCTION. IF THERE ARE ANY QUESTIONS REGARDING THIS OR OTHER COORDINATION QUESTIONS, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT BEFORE PROCEEDING WITH THE WORK IN QUESTION OR RELATED WORK IN SUFFICIENT TIME FOR A DECISION TO BE RENDERED WITHOUT DELAYING THE PROGRESS OF THE PROJECT.
5. GENERAL CONTRACTOR SHALL VERIFY THAT CONFLICTS DO NOT OCCUR AT MECHANICAL, PLUMBING, FIRE PROTECTION, AND/OR ELECTRICAL LOCATIONS (E.F., DUCTWORK, PIPING, CONDUITS). ENSURE THAT ALL REQUIRED CLEARANCES FOR INSTALLATION AND MAINTENANCE OF EQUIPMENT IS PROVIDED. NOTIFY ARCHITECT OF ANY POTENTIAL CONFLICTS BEFORE PROCEEDING WITH THE WORK SO ANY CONFLICTS CAN BE MUTUALLY RESOLVED.

DEFINITIONS:

1. "ALIGN" MEANS WHERE A GWB PARTITION/WALL IS TO BE IN SAME PLANE OF ONE SIDE OF A COLUMN OR ANOTHER PARTITION/WALL, THE GWB SHALL EXTEND OVER FINISHED FACE OF COLUMN OR BE IN SAME PLANE AS FINISHED FACE OF OTHER PARTITION/WALL AND HAVING JOINT FINISHED SMOOTH AND UNDETECTABLE OR CAULKED WHERE APPLIACABLE.
2. "ALIGN" MEANS WHERE A CMU PARTITION IS TO BE IN SAME PLANE OF ONE SIDE OF A COLUMN OR ANOTHER PARTITION, THE FACE OF CMU SHALL BE IN SAME PLANE AS FINISHED FACE OF COLUMN OR OTHER PARTITION AND HAVING JOINT CAULKED WHERE APPLICABLE.
3. DIMENSIONS NOTED AS "CLEAR" SHALL BE FROM FINISHED FACE TO FINISHED FACE.
4. "TYPICAL" MEANS THE SAME AS FOR ALL SIMILAR CONDITIONS.
5. WHEREVER THE TERM "OR EQUAL" IS USED, IT SHALL MEAN A LIKE PRODUCT TO BE SUBMITTED TO ARCHITECT FOR CONSIDERATION.

ALPHA BLDG SET 08-19-2025

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STATE OF GEORGIA
ALLISON L. HARDY
CERTIFICATE NO. 11870
REGISTERED ARCHITECT
03/07/2025

OWNER

HABERSHAM COUNTY ANIMAL CONTROL
130 JACOBS WAY, SUITE 302
CLARKSVILLE, GA
30523

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CORNELIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-06-10	PERMIT SET
ISSUANCE		

PROJECT NUMBER
2022-313

DRAWN: SLA
CHECKED: OH

SHEET TITLE
SHEET INDEX

SHEET NO.
G-002

THIS SHEET PLOTS ON 42" x 30"

3/7/2025 5:00:30 PM

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THIS SHEET PLOTS ON 42" X 30"

3" 2" 1" 1/2" 0

APPLICABLE CODES:

- **INTERNATIONAL BUILDING CODE**, 2018 EDITION (WITH 2020, 2022, 2024, & 2025 GEORGIA AMENDMENTS)
- **INTERNATIONAL FIRE CODE**, 2018 EDITION
- **INTERNATIONAL MECHANICAL CODE**, 2018 EDITION (WITH 2020 & 2024 GEORGIA AMENDMENTS)
- **INTERNATIONAL PLUMBING CODE**, 2018 EDITION (WITH 2020, 2022, 2023, & 2024 GEORGIA AMENDMENTS)
- **INTERNATIONAL FUEL GAS CODE**, 2018 EDITION (WITH 2020, & 2022 GEORGIA AMENDMENTS)
- **INTERNATIONAL ENERGY CONSERVATION CODE**, 2015 EDITION (WITH 2020, 2022, & 2023 GEORGIA AMENDMENTS & SUPPLEMENTS)
- **NFPA 10**, 2018 EDITION, STANDARD FOR PORTABLE FIRE EXTINGUISHERS
- **NFPA 13**, 2019 EDITION, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS
- **NFPA 70**, 2023 EDITION, NATIONAL ELECTRIC CODE
- **NFPA 72**, 2019 EDITION, NATIONAL FIRE ALARM AND SIGNALING CODE
- **NFPA 101**, 2018 EDITION, LIFE SAFETY CODE
- **ADA STANDARDS FOR ACCESSIBLE DESIGN**, 2010 EDITION
- **ADA STANDARDS FOR ACCESSIBLE DESIGN** AS ADOPTED BY OCGA TITLE(S) 25 AND 30
- NATIONAL GREEN BUILDING STANDARD, 2008 EDITION (WITH 2011 GA AMENDMENTS)

LIFE SAFETY LEGEND

- ONE-HOUR FIRE RATED WALL
- LEAD LINED WALL
- FEC — FIRE EXTINGUISHER AND CABINET
- TRAVEL DISTANCE
- TRAVEL DISTANCE TO EXTINGUISHER
- EXIT SIGN
- 60 — DOOR RATING (MINUTES)
- PH — PANIC HARDWARE
- P 640 R120 — DOOR EGRESS LOAD TAG P= PROVIDED R= REQUIRED
- KNOX — KNOX BOX

THIS BUILDING IS SPRINKLERED PER NFPA 13		
OCCUPANCY CLASSIFICATION & TYPE OF CONSTRUCTION		
APPLICABLE CODE	OCCUPANCY CLASS.	TYPE OF CONST.
INTERNATIONAL BUILDING CODE 2018 EDITION	BUSINESS GROUP B	TYPE IIB
NFPA 101 2018 EDITION	BUSINESS	TYPE II(000)

CODE RESEARCH:

GENERAL:

A. MAIN BUILDING IS ALL NEW AND FULLY SPRINKLERED.
B. IBC OCC. CLASS = BUSINESS
C. NFPA OCC. CLASS = BUSINESS
D. CONSTRUCTION TYPE = IBC (IIB) / NFPA (III(000))
E. STORAGE ROOMS ENCLOSED WITH FIRE BARRIER PER NFPA 101, SECTION 8.7.1.1(1).
F. INTERIOR FINISHES =
- INTERIOR WALL AND CEILING FINISH MATERIALS SHALL BE CLASS A OR CLASS B IN ALL CORRIDORS AND LOBBIES. ALL OTHER AREAS SHALL BE CLASS A, B, OR C
- INTERIOR FLOOR FINISH MATERIALS SHALL BE CLASS I OR II IN CORRIDORS.

BUILDING HEIGHTS, STORIES, AND AREAS:

A. MAX. ALLOWABLE BUILDING HEIGHT = 75'-0" / ACTUAL = 23'-8"
B. MAX. ALLOWABLE NUMBER OF STORIES = 4 / ACTUAL = 1
C. MAX. ALLOWABLE BUILDING AREA = 92,000 SF / ACTUAL = 17,293 SF

WATER CLOSETS:
- ASSEMBLY (EXHIBITION) = 1:125 (M), 1:65 (F)
  118 OCCUPANTS / 2 = 60
  60 / 125 = 0.48 REQUIRED (M)
  60 / 65 = 0.92 REQUIRED (F)
- BUSINESS = 1:25 (UP TO 50) & 1:50 (BEYOND 50)
  (91 OCCUPANTS - (2*25)) / 50 = 2.82 REQUIRED
- STORAGE = 1:100
  10 OCCUPANTS / 100 = 0.19 REQUIRED

TOTAL = 4 REQUIRED / 7 PROVIDED
WOMEN = 1 REQUIRED / 4 PROVIDED
MEN = 1 REQUIRED /3 PROVIDED + 1 URINAL

LAVATORIES:
- ASSEMBLY (EXHIBITION) = 1:200
  120 / 200 = 0.60 REQUIRED
- BUSINESS = 1:40 (UP TO 80) & 1:80 (BEYOND 80)
  (91 OCCUPANTS - (2*40)) / 80 = 2.14 REQUIRED
- STORAGE = 1:100
  19 OCCUPANTS / 100 = 0.19 REQUIRED

TOTAL = 3 REQUIRED / 6 PROVIDED

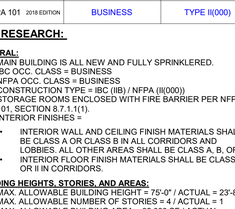
DRINK FOUNTAINS:
- ASSEMBLY (EXHIBITION) = 1:500
  120 / 500 = 0.24 REQUIRED
- BUSINESS = 1:100
  91 OCCUPANTS / 100 = 0.91 REQUIRED
- STORAGE = 1:1000
  19 OCCUPANTS / 1000 = 0.02 REQUIRED

TOTAL = 2 REQUIRED / 4 PROVIDED

EXITS PROVIDED		
SIZE	# OF DOORS	NUMBER OF OCCUPANTS
3'-0"	12 DOOR(S) @ 160 OCC/ DR	= 1920 OCC. PROVIDED FOR
6'-0"	2 DOORS 320 OCC/ DR	= 640 OCC. PROVIDED FOR
		= 2560 TOTAL OCC.

TRAVEL DISTANCES		
PATH	TOTAL DISTANCE	MAX
FEC 1	64'-7"	75'
FEC 2	52'-2"	75'
FEC 3	58'-5"	75'
FEC 4	73'-9"	75'
FEC 5	72'-0"	75'
FEC 6	63'-2"	<varies>
TD-1	136'-9"	250'
TD-2	80'-9"	250'
TD-3	101'-7"	250'
TD-4	103'-0"	250'
TD-5	65'-7"	250'

OCCUPANT LOAD TABLE					
RM #	RM NAME	AREA	OCCUPANCY USE	OCC. FACTOR	OCC. LOAD
101	VEST.	107 SF	ASSEMBLY	7 SF	16
102	ADOPTION LOBBY	739 SF	ASSEMBLY	15 SF	50
103	MEETING	225 SF	ASSEMBLY	15 SF	15
126	BREAK ROOM	338 SF	ASSEMBLY	15 SF	23
142	INTAKE LOBBY	202 SF	ASSEMBLY	15 SF	13
ASSEMBLY: 5		1612 SF			118
--	BUSINESS (GROSS)	13690 SF	BUSINESS	150 SF	91
BUSINESS: 1		13690 SF			91
157	MECH	199 SF	STORAGE	300 SF	1
158	BULK STORAGE	298 SF	STORAGE	300 SF	1
159	FOOD STORAGE	253 SF	STORAGE	300 SF	2
162	SALLYPORT	1087 SF	STORAGE	300 SF	4
163	MED GAS	62 SF	STORAGE	300 SF	1
164	ELEC	91 SF	STORAGE	300 SF	1
STORAGE: 6		1990 SF			10
TOTAL		17293 SF			218



GA AMENDMENT 120-3-3-.04 (3)(i) 12 DELETES 906.9 OF THE 2018 INTERNATIONAL FIRE CODE AND REFERS TO NFPA 10. GA AMENDMENT 120-3-3-.04 (6)(a) AMENDS 6.1.3.8.1 AND 6.1.3.10.5 OF THE 2018 NFPA 10:

6.1.3.8.1 PORTABLE FIRE EXTINGUISHERS </= 40 LB SHALL HAVE T.O. EXTINGUISHER <= 48" AFF.
6.1.3.8.2 PORTABLE FIRE EXTINGUISHERS > 40 LB SHALL HAVE T.O. EXTINGUISHER =/< 42" AFF.
6.1.3.8.3 IN NO CASE SHALL THE CLEARANCE BETWEEN THE BOTTOM OF THE FIRE EXTINGUISHER AND THE FF BE < 4".
6.1.3.10.5 CABINETS OR WALL RECESSES FOR FIRE EXTINGUISHERS SHALL BE INSTALLED W/ T.O. OPENING AT 50" AFF.

ALPHA BLDG SET 08-19-2025

Department Legend

- ASSEMBLY
- BUSINESS
- STORAGE

A1 / LS101 — FIRE EXTINGUISHERS MOUNTING HGT
N.T.S.

PLAN NORTH — A5 / LS101 — LIFE SAFETY PLAN
1/8" = 1'-0"
0 5 10 25 FT

NOTE:

1. EMERGENCY RESPONDER RADIO COVERAGE TESTING SHALL BE CONDUCTED BY IFC SECTION 510 AT 50% AND AT 80% COMPLETION.

2. COORDINATE KNOX BOX LOCATION WITH FIRE DEPARTMENT HAVING JURISDICTION.

3/7/2025 3:58:00 PM
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STATE OF GEORGIA — ALLISON L. HARDY — CERTIFICATE NO. 035871 — REGISTERED ARCHITECT
03/07/2025

OWNER

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30523

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CORNELIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
		ISSUANCE

PROJECT NUMBER
2022-313

DRAWN: SLA
CHECKED: OH

SHEET TITLE
LIFE SAFETY PLAN

SHEET NO.
LS101

3" 2" 1" 1/2" 0

THIS SHEET PLOTS ON 42" x 30"

GENERAL

1. NO PROVISION OF ANY REFERENCED STANDARD SPECIFICATION, MANUAL OR CODE (WHETHER OR NOT SPECIFICALLY INCORPORATED BY REFERENCE IN THE CONTRACT DOCUMENTS) SHALL BE EFFECTIVE TO CHANGE THE DUTIES AND RESPONSIBILITIES OF OWNER, CONTRACTOR, DESIGN PROFESSIONAL, SUPPLIER, OR ANY OF THEIR CONSULTANTS, AGENTS, OR EMPLOYEES FROM THOSE SET FORTH IN THE CONTRACT DOCUMENTS. NOR SHALL IT BE EFFECTIVE TO ASSIGN TO THE DESIGN PROFESSIONAL OF RECORD OR ANY OF THE DESIGN PROFESSIONAL OF RECORD'S CONSULTANTS, AGENTS, OR EMPLOYEES ANY DUTY OR AUTHORITY TO SUPERVISE OR DIRECT THE FURNISHING OR PERFORMANCE OF THE WORK OR ANY DUTY OR AUTHORITY TO UNDERTAKE RESPONSIBILITIES CONTRARY TO THE PROVISIONS OF THE CONTRACT DOCUMENTS.
2. CONTRACT DOCUMENTS INCLUDE, BUT ARE NOT LIMITED TO, THE STRUCTURAL DOCUMENTS (DRAWINGS AND SPECIFICATIONS), BUT DO NOT INCLUDE SHOP DRAWINGS, VENDOR DRAWINGS, OR MATERIAL PREPARED AND SUBMITTED BY THE CONTRACTOR.
3. REFERENCE TO STANDARD SPECIFICATIONS OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR ASSOCIATION OR TO CODES OF LOCAL OR STATE AUTHORITIES, SHALL MEAN THE LATEST STANDARD, CODE, SPECIFICATION OR TENTATIVE SPECIFICATION ADOPTED AT THE DATE OF TAKING BIDS, UNLESS SPECIFICALLY STATED OTHERWISE.
4. CONTRACT DOCUMENTS SHALL GOVERN IN THE EVENT OF A CONFLICT WITH THE CODE OF PRACTICE OR SPECIFICATIONS OF ACI, PCI, AISC, SJI OR OTHER STANDARDS. WHERE A CONFLICT OCCURS WITHIN THE CONTRACT DOCUMENTS, THE STRICTEST REQUIREMENT SHALL GOVERN.
5. MATERIAL, WORKMANSHIP, AND DESIGN SHALL CONFORM TO THE REFERENCED BUILDING CODE.
6. CONTRACTOR SHALL COORDINATE THE STRUCTURAL DOCUMENTS WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL DOCUMENTS. DESIGN PROFESSIONAL SHALL BE NOTIFIED OF ANY DISCREPANCY OR OMISSION. FOR DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS SEE THE ARCHITECTURAL DRAWINGS.
7. CONTRACTOR SHALL VERIFY EXISTING DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS BEFORE STARTING WORK. DESIGN PROFESSIONAL SHALL BE NOTIFIED OF ANY DISCREPANCY.
8. CONTRACTOR SHALL VERIFY THE STRUCTURALLY SUPPORTED MECHANICAL EQUIPMENT WEIGHTS, OPENING SIZES AND LOCATIONS IDENTIFIED ON THE STRUCTURAL DRAWINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
9. CONTRACTOR SHALL VERIFY THAT MISCELLANEOUS FRAMING SHOWN ON THE STRUCTURAL DRAWINGS FOR MECHANICAL EQUIPMENT, OWNER-FURNISHED ITEMS, PARTITIONS, ETC. IS CONSISTENT WITH THE REQUIREMENTS OF SUCH ITEMS.
10. CONTRACTOR HAS SOLE RESPONSIBILITY FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION.
11. THE STRUCTURE IS STABLE ONLY IN ITS COMPLETED FORM. TEMPORARY SUPPORTS REQUIRED FOR STABILITY DURING ALL INTERMEDIATE STAGES OF CONSTRUCTION SHALL BE DESIGNED, FURNISHED, AND INSTALLED BY THE CONTRACTOR.
12. CONTRACTOR HAS SOLE RESPONSIBILITY TO COMPLY WITH ALL OSHA REGULATIONS.
13. ELECTRONIC DRAWING FILES WILL NOT BE PROVIDED TO THE CONTRACTOR. REPRODUCTION OF STRUCTURAL DRAWINGS FOR SHOP DRAWINGS IS NOT PERMITTED.
14. REVIEW OF SUBMITTALS OR SHOP DRAWINGS BY THE DESIGN PROFESSIONAL DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW AND CHECK ALL SUBMITTALS AND SHOP DRAWINGS BEFORE SUBMITTING TO THE DESIGN PROFESSIONAL. CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS.
15. DETAILS LABELED "TYPICAL" ON THE STRUCTURAL DRAWINGS APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THE TYPICAL DETAILS UNLESS THOSE LOCATIONS ARE SPECIFICALLY DETAILED OTHERWISE.
16. STRUCTURAL DESIGN PROFESSIONAL IS NOT RESPONSIBLE FOR THE DESIGN OF CURTAIN WALL/WINDOW WALL SYSTEMS, COLD-FORMED METAL FRAMING, OR OTHER SYSTEMS NOT SHOWN IN THE STRUCTURAL DOCUMENTS. SUCH SYSTEMS SHALL BE DESIGNED, FURNISHED, AND INSTALLED AS REQUIRED BY OTHER PORTIONS OF THE CONTRACT DOCUMENTS.
17. SUBMITTALS

    17.1 SUBMITTALS BY THE CONTRACTOR ARE NOT A PART OF THE CONTRACT DOCUMENTS. PRIOR TO THE INITIAL SUBMITTAL, CONTRACTOR SHALL SUBMIT TO THE DESIGN PROFESSIONAL A SCHEDULE OF SUBMITTED INFORMATION.

    17.2 SUBMITTALS SHALL BE ACCOMPANIED BY A TRANSMITTAL LETTER WITH THE FOLLOWING INFORMATION:
    - PROJECT NAME
    - CONTRACTOR'S NAME
    - DATE SUBMITTED
    - DESCRIPTION OF ITEMS SUBMITTED. IDENTIFY WORK AND PRODUCT BY SPECIFICATION SECTION
    - NUMBER OF DRAWINGS AND OTHER PERTINENT DATA.

    17.3 CONTRACTOR SHALL DIRECT SPECIFIC ATTENTION ON THE SUBMITTAL TO ANY DEVIATION FROM THE CONTRACT DOCUMENTS. CONTRACTOR SHALL STAMP AND SIGN EACH SHEET OF SHOP DRAWINGS AND PRODUCT DATA, AND SIGN OR INITIAL EACH SAMPLE TO CERTIFY COMPLIANCE WITH REQUIREMENTS OF CONTRACT DOCUMENTS. SUBMITTALS RECEIVED WITHOUT THE CONTRACTOR'S STAMP OF REVIEW WILL BE RETURNED TO THE CONTRACTOR FOR REVIEW AND RESUBMITTAL.

    17.4 WORK REQUIRING SHOP DRAWINGS, WHETHER CALLED FOR BY THE CONTRACT DOCUMENTS OR REQUESTED BY THE CONTRACTOR, SHALL NOT COMMENCE UNTIL THE SUBMISSION HAS BEEN REVIEWED BY THE DESIGN PROFESSIONAL. WORK MAY COMMENCE IF THE CONTRACTOR VERIFIES THE ACCURACY OF THE DESIGN PROFESSIONAL'S CORRECTIONS AND NOTATIONS AND COMPLIES WITH THEM WITHOUT EXCEPTION AND WITHOUT REQUESTING CHANGE IN CONTRACT SUM OR CONTRACT TIME AT COPY OF THE MARKED STRUCTURAL SHOP DRAWINGS WITH THE DESIGN PROFESSIONAL'S REVIEW STAMP IS TO BE MAINTAINED AT THE JOB SITE.

CODE/DESIGN CRITERIA

1. STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE FOLLOWING:
   - INTERNATIONAL BUILDING CODE, 2018 EDITION WITH GEORGIA AMENDMENTS.
2. GRAVITY LOADS

   2.1 UNIFORM FLOOR LIVE LOADS (REDUCED AS ALLOWED BY THE BUILDING CODE):
   - SLAB ON GRADE 100 PSF

   2.2 UNIFORM ROOF LIVE LOADS (REDUCED AS ALLOWED BY THE BUILDING CODE):
   - ROOF, L_r 20 PSF
   - GROUND SNOW LOAD, P_g 10 PSF
     - SNOW EXPOSURE FACTOR, C_e = 0.9
     - SNOW LOAD IMPORTANCE FACTOR, I = 1.0
     - THERMAL FACTOR, C_t = 1.0
   - RAIN LOAD (15-MIN INTENSITY) 6.96 IN/HR

   SEE JOIST LOADING DIAGRAMS (SNOW & RAIN LOAD) ON SHEET S-006.

   2.3 DEAD LOADS (IN ADDITION TO STRUCTURE SELF-WEIGHT):

   ROOF:
   - ROOFING/INSULATION 7 PSF
   - MISCELLANEOUS 3 PSF
   - CEILING/MEP 10 PSF
3. WIND LOADS:
   - BASIC DESIGN WIND SPEED, V = 107 MPH
   - ALLOWABLE DESIGN WIND SPEED, V_{ASD} = 83 MPH
   - RISK CATEGORY: II
   - EXPOSURE B
   - INTERNAL PRESSURE COEFFICIENT = ±0.18
   - DESIGN BASE SHEAR: V_x = 94 KIPS, V_y = 117 KIPS

   SEE COMPONENT AND CLADDING DESIGN WIND PRESSURE DIAGRAM ON SHEET S-002.
4. EARTHQUAKE LOADS:
   - RISK CATEGORY: II
   - SEISMIC IMPORTANCE FACTOR: I = 1.0
   - SHORT PERIOD MAPPED SPECTRAL RESPONSE COEFFICIENT, S_S = 0.238
   - 1 SECOND PERIOD MAPPED SPECTRAL RESPONSE COEFFICIENT, S_1 = 0.092
   - SITE CLASS D
   - SHORT PERIOD DESIGN SPECTRAL RESPONSE COEFFICIENT, S_{DS} = 0.254
   - 1 SECOND PERIOD DESIGN SPECTRAL RESPONSE COEFFICIENT, S_{D1} = 0.147
   - SEISMIC DESIGN CATEGORY: C
   - BASIC SEISMIC-FORCE RESISTING SYSTEM: ORDINARY REINFORCED MASONRY SHEAR WALLS
   - DESIGN BASE SHEAR (USING LIGHTWEIGHT CONCRETE MASONRY UNITS): 135 KIPS
   - SEISMIC RESPONSE COEFFICIENT, C_S = 0.127
   - RESPONSE MODIFICATION FACTOR, R = 2
   - ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE
5. UNLESS NOTED OTHERWISE CALCULATED INDIVIDUAL MEMBER DEFLECTIONS (IN INCHES) DO NOT EXCEED THE FOLLOWING:

	DEAD LOAD	LIVE LOAD	DEAD + LIVE LOAD
ROOF MEMBERS:	L/360	L/360	L/360

   - WHERE, L = SPAN LENGTH (IN INCHES) BETWEEN SUPPORTS. (FOR CANTILEVERS, L IS TWICE THE LENGTH OF THE CANTILEVER.) NOTE THAT THE TOTAL MAXIMUM CALCULATED FLOOR SYSTEM DEFECTION WILL BE THE SUM OF THE DEFLECTIONS OF THE SUPPORTED ELEMENTS IN A BAY.
   - THE CALCULATED DEFLECTION FOR INDIVIDUAL MEMBERS SUPPORTING MASONRY DO NOT EXCEED L/600 FOR DESIGN LOADS APPLIED AFTER THE INSTALLATION OF THE MASONRY.
6. SPECIAL INSPECTIONS:

   6.1 THE STRUCTURAL TESTING/INSPECTION AGENCY, SEE SPECIFICATION SECTION 014525, WILL PERFORM SPECIAL INSPECTIONS AS REQUIRED BY CHAPTER 17 OF THE BUILDING CODE. MATERIALS AND WORK TO BE INSPECTED INCLUDE SOIL, CONCRETE, MASONRY, STEEL, AND WOOD CONSTRUCTION. SEE SPECIFICATION SECTIONS 014525 FOR A COMPLETE LIST OF WORK REQUIRING SPECIAL INSPECTIONS.

   6.2 SPECIAL INSPECTION AS REQUIRED BY CHAPTER 17 OF THE BUILDING CODE ARE REQUIRED FOR STRUCTURAL COMPONENTS AND ASSEMBLIES WHICH ARE NOT FABRICATED AT THE CONSTRUCTION JOB SITE INCLUDING BUT NOT LIMITED TO ROOF JOISTS OF STEEL MATERIALS, AND STRUCTURAL STEEL FRAMING.

   6.3 SPECIAL INSPECTION AS REQUIRED BY CHAPTER 17 OF THE BUILDING CODE MAY BE WAIVED FOR ITEMS WHICH ARE PRODUCED ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. APPROVAL SHALL BE BASED UPON REVIEW OF THE FABRICATOR'S WRITTEN PROCEDURAL AND QUALITY CONTROL MANUALS AND BY PERIODIC AUDITING OF FABRICATION PRACTICES BY AN APPROVED SPECIAL INSPECTION AGENCY. THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE CHIEF COMMERCIAL BUILDING INSPECTOR OR HIS DESIGNEE WHICH STATES THAT THE FABRICATION WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.

   6.4 THE PROJECT OWNER WILL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PERFORM INSPECTIONS AS REQUIRED BY CHAPTER 17 OF THE BUILDING CODE DURING CONSTRUCTION OF THE PROJECT. DOCUMENTATION THAT SUMMARIZES THE QUALIFICATION AND CREDENTIALS OF EACH SPECIAL INSPECTOR AND DEMONSTRATES COMPETENCE FOR INSPECTION OF EACH PARTICULAR TYPE OF CONSTRUCTION REQUIRING SPECIAL INSPECTION SHALL BE SUBMITTED TO THE CHIEF COMMERCIAL BUILDING INSPECTOR OR HIS DESIGNEE FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

   6.5 APPROVED SPECIAL INSPECTORS SHALL FURNISH INSPECTION REPORTS TO THE CHIEF COMMERCIAL BUILDING INSPECTOR OR HIS DESIGNEE WHICH INDICATE THAT THE WORK INSPECTED WAS DONE IN CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS. A FINAL REPORT WHICH DOCUMENTS THE RESULTS OF THE SPECIAL INSPECTIONS PERFORMED INCLUDING CORRECTION OF ANY DISCREPANCIES IDENTIFIED DURING INSPECTION SHALL BE SUBMITTED PERIODICALLY AT A FREQUENCY APPROVED BY CHIEF COMMERCIAL BUILDING INSPECTOR PRIOR TO CONSTRUCTION.

   6.6 SPECIAL INSPECTION REPORTS AND FINAL REPORT IN ACCORDANCE WITH SECTION 1704.2.4 SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE TIME THAT PHASE OF WORK IS APPROVED FOR OCCUPANCY.
7. FUTURE HORIZONTAL EXPANSION HAS BEEN ACCOMODATED, SEE S-005 FOR GRAPHICAL DEPICTION OF FUTURE CONSTRUCTION. SEE CODE/DESIGN CRITERIA NOTE 2 FOR ASSUMED FUTURE GRAVITY LOADS.

FOUNDATION

1. FOUNDATION DESIGN IS BASED ON THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT PREPARED BY GEO-HYDRO ENGINEERS, REPORT NUMBER 231504.20 DATED APRIL 28, 2023 . DESIGN PROFESSIONAL IS NOT RESPONSIBLE FOR SUBSURFACE CONDITIONS ENCOUNTERED IN THE FIELD DIFFERENT TO THOSE ASSUMED FOR DESIGN.
2. STRUCTURAL TESTING/INSPECTION AGENCY SHALL CERTIFY THE BEARING MEDIUM.
3. INDIVIDUAL SPREAD FOOTINGS AND CONTINUOUS FOOTINGS SHALL BEAR ON SOIL CAPABLE OF SUPPORTING 3000 PSF.

   3.1 NO FOOTINGS SHALL BEAR ON ROCK. UNDERCUT ROCK A MINIMUM OF 2 FEET BELOW BOTTOM OF FOOTING AND REPLACE WITH STRUCTURAL FILL.
4. RETAINING WALLS ARE DESIGN FOR LATERAL PRESSURES DUE TO THE FOLLOWING COEFFICIENTS:
   - WALLS SUPPORTED AT TOP (AT-REST CONDITION) 60 PCF
   - WALLS FREE TO DISPLACE AT TOP (ACTIVE CONTION) 40 PCF
   - PASSIVE PRESSURE 360 PCF
   - SLIDING COEFFICIENT 0.40
   - SURCHARGE 100 PSF
5. BACKFILL PLACED AGAINST RETAINING WALLS SHALL NOT EXCEED 120 PCF WEIGHT FOR WET UNIT WEIGHT OF SOIL.
6. PROOF ROLL BUILDING AREAS WITH TWO COMPLETE COVERAGES OF A LOADED DUMP-TRUCK OR SCRAPER. REPLACE SOFT AREAS WITH COMPACTED STRUCTURAL FILL AS REQUIRED BY THE SPECIFICATIONS.
7. STRUCTURAL FILL SHALL CONTAIN NO ORGANIC MATERIAL AND BE APPROVED BY A GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT. STRUCTURAL FILL UNDER SLABS AND WITHIN 10'-0" OF THE BUILDING FOOTPRINT SHALL BE PLACED IN LIFTS OF THICKNESS DETERMINED BY THE INDEPENDENT TESTING AGENCY AND COMPACTED TO AT LEAST 95% OF ITS STANDARD PROCTOR MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D698. THE TOP 12" SUB-BASE UNDER SLABS ON GRADE SHALL BE COMPACTED TO AT LEAST 98% OF ITS STANDARD PROCTOR MAXIMUM DRY DENSITY. ALL BACKFILL, COMPACTION AND PROOF ROLLING OPERATIONS SHALL BE OBSERVED BY AN INDEPENDENT TESTING LABORATORY. STRUCTURAL FILL SOIL DENSITY SHALL BE NO LESS THAN 90 PCF AND NO MORE THAN 120 PCF.
8. SLABS-ON-GRADE SHALL BE PLACED ON A 4" GRANULAR BASE, COMPACTED TO 98% OF ITS STANDARD PROCTOR MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D698, AND COVERED WITH A CONTINUOUSLY SEALED VAPOR BARRIER. SEE ARCHITECT FOR THICKNESS OF VAPOR BARRIER THE BASE FOR SLABS-ON-GRADE SHALL BE INSPECTED BY A GEOTECHNICAL ENGINEER PRIOR TO EACH PLACEMENT OF CONCRETE.
9. BACKFILL SHALL NOT BE PLACED AGAINST EXTERIOR OR RETAINING WALLS UNTIL THE WALLS HAVE ACHIEVED THEIR DESIGN STRENGTH AND THEIR LATERAL SUPPORT ELEMENTS ARE INSTALLED. PROVIDE ADEQUATE DRAINAGE AT BASEMENT AND RETAINING WALLS (SEE ARCHITECTURAL).
10. FOOTINGS SHALL BE CENTERED ABOUT COLUMN LINES UNLESS NOTED OTHERWISE.
11. ALL FOOTINGS AND TURN DOWN SLAB EDGES SHALL PENETRATE TO A MINIMUM DEPTH OF 12" BELOW FINISHED GRADE.

REINFORCEMENT

1. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE.
2. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A1064 AND HAVE MINIMUM SIDE AND END LAPS OF 8".
3. SUBMIT SHOP DRAWINGS WHICH ADEQUATELY DEPICT THE REINFORCING BAR SIZES AND PLACEMENT. WRITTEN DESCRIPTION OF REINFORCEMENT WITHOUT ADEQUATE SECTIONS, ELEVATIONS, AND DETAILS IS NOT ACCEPTABLE.
4. SPLICES SHALL BE CLASS B IN ACCORDANCE WITH ACI 318, UNLESS NOTED OTHERWISE. REINFORCEMENT SHALL BE SPLICED ONLY AT LOCATIONS SHOWN OR NOTED IN THE STRUCTURAL DOCUMENTS, EXCEPT REINFORCEMENT MARKED "CONTINUOUS" CAN BE SPLICED AT LOCATIONS DETERMINED BY CONTRACTOR. SPLICES AT OTHER LOCATIONS SHALL BE APPROVED IN WRITING BY THE DESIGN PROFESSIONAL.
5. PROVIDE DOWELS FROM FOUNDATIONS THE SAME SIZE AND NUMBER AS THE VERTICAL WALL OR COLUMN REINFORCING, UNLESS NOTED OTHERWISE.
6. PLACE REINFORCEMENT AS FOLLOWS, UNLESS NOTED OTHERWISE:

   6.1 CONCRETE REINFORCEMENT COVER

   EXPOSED TO EARTH OR WEATHER:
   - UNFORMED CAST AGAINST EARTH 3" CLEAR
   - FORMED #6 AND LARGER 2" CLEAR
   - FORMED #5 AND SMALLER 1-1/2" CLEAR

   NOT EXPOSED TO EARTH OR WEATHER:
   - SLABS 3/4" CLEAR
   - WALLS 1" CLEAR

   6.2 MASONRY REINFORCING STEEL SHALL BE PLACED IN THE CENTER OF THE WALL UNLESS NOTED OTHERWISE.
7. REINFORCING STEEL DESIGNATED CONTINUOUS SHALL BE LAPPED AS FOLLOWS:
   - CONCRETE REINFORCEMENT: CLASS B TENSION LAP
   - MASONRY REINFORCEMENT: SEE 3/S-401
8. ADHESIVE FOR REINFORCING DOWELS IN EXISTING CONCRETE SHALL CONFORM TO ASTM C881-02, TYPE IV, GRADE 3, CLASS A, B, & C EXCEPT GEL TIMES AND EPOXY CONTENT. ADHESIVE SHALL CONSIST OF A TWO COMPONENT ADHESIVE SYSTEM CONTAINED IN SIDE BY SIDE PACKAGING CONNECTED TO A MIXING NOZZLE WHICH THOROUGHLY MIXES THE COMPONENTS AS IT IS INJECTED INTO THE HOLE. ADHESIVE SHALL HAVE PASSED ICC EVALUATION SERVICES, INC (ICC-ES) ACCEPTANCE CRITERIA 308 FOR LONG TERM CREEP. REINFORCING INSTALLED IN CONCRETE THAT MAY BECOME CRACKED UNDER SERVICE LOADS SHALL BE EVALUATED BY ICC-ES ACCEPTANCE CRITERIA 308 AND BE SPECIFICALLY APPROVED FOR USE IN CRACKED CONCRETE. CONTACT DESIGN PROFESSIONAL FOR DETERMINATION OF CRACKED OR UNCRACKED CONCRETE CONDITION UNLESS CONDITION IS NOTED ON THE DRAWINGS. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. MINIMUM EMBEDMENT LENGTH SHALL BE 12 BAR DIAMETERS, UNLESS NOTED OTHERWISE.
9. ALL DOWELS AND TERMINATING BARS SHALL HAVE A STANDARD 90 DEGREE HOOK.
10. ALL HORIZONTAL REINFORCING SHALL BE CONTINUOUS THROUGH CONTROL AND/OR CONSTRUCTION JOINTS AND AROUND CORNERS.

CAST-IN-PLACE CONCRETE

1. CONCRETE WORK SHALL CONFORM TO ACI 318 AND CRSI STANDARDS.
2. CONCRETE SHALL HAVE THE FOLLOWING MINIMUM SPECIFIED 28-DAY COMPRESSIVE STRENGTH:

   2.1 NORMAL WEIGHT STRUCTURAL CONCRETE:
   - FOOTINGS 3000 PSI F0
   - SLABS-ON-GRADE 4000 PSI F0
   - RETAINING WALLS/PEDESTALS 4500 PSI F0
3. PIPES OR DUCTS SHALL NOT EXCEED ONE-THIRD THE SLAB OR WALL THICKNESS INCLUDING CROSSING UNLESS SPECIFICALLY DETAILED IN THE STRUCTURAL DOCUMENTS. ALL PIPES AND DUCTS SHALL BE PLACED IN THE MIDDLE THIRD OF THE SLAB OR WALL THICKNESS UNLESS SPECIFICALLY DETAILED OTHERWISE IN THE STRUCTURAL DOCUMENTS. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATION OF SLEEVES, ACCESSORIES, ETC.
4. REFER TO ARCHITECTURAL DRAWINGS FOR MOLDS, GROOVES, ORNAMENTS, CLIPS OR GROUNDS REQUIRED TO BE ENCASED IN CONCRETE AND FOR LOCATION OF FLOOR FINISHES AND SLAB DEPRESSIONS.
5. CONSTRUCTION JOINT LOCATIONS SHALL BE APPROVED BY THE DESIGN PROFESSIONAL. NO HORIZONTAL CONSTRUCTION JOINTS ARE PERMITTED EXCEPT THOSE SHOWN ON THE STRUCTURAL DRAWINGS.
6. DEFECTIVE AREAS IN CONCRETE INCLUDING, BUT NOT LIMITED TO, HONEY-COMBING, SPALLS, AND CRACKS WITH WIDTHS EXCEEDING 0.016 INCH SHALL BE REPAIRED. EXTENT OF DEFECTIVE AREA TO BE DETERMINED BY THE DESIGN PROFESSIONAL.

CONCRETE MASONRY

1. MINIMUM 28-DAY COMPRESSIVE STRENGTH OF ASTM C90 LIGHTWEIGHT CONCRETE MASONRY UNITS SHALL BE F'M = 2000 PSI.
2. NET AREA COMPRESSIVE STRENGTH OF CONCRETE MASONRY = 2000 PSI.
3. MORTAR SHALL COMPLY WITH THE BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY AND ASTM C270. MORTAR SHALL BE OF THE FOLLOWING TYPE:
   - WALLS BELOW GRADE TYPE M
   - BEARING WALLS TYPE M OR S
4. CONCRETE MASONRY UNITS SHALL BE GROUTED WITH 2500 PSI COARSE GROUT AS SHOWN IN THE STRUCTURAL DOCUMENTS. GROUT FOR REINFORCED AND NONREINFORCED MASONRY SHALL CONFORM TO ASTM C476.
5. PROVIDE HORIZONTAL JOINT REINFORCEMENT WITH NO. 9 GAGE LONGITUDINAL WIRES AT 16" C/C VERTICALLY AND AT 8" BELOW GRADE, UNLESS NOTED OTHERWISE. PROVIDE SPECIAL ACCESSORIES FOR CORNERS, INTERSECTIONS, ETC.
6. PROVIDE OPEN BOTTOM BEAM BLOCK UNITS WITH 3" DEEP MINIMUM WEB OPENINGS AT HORIZONTAL REINFORCEMENT LOCATIONS. A MINIMUM CLEAR SPACE OF ONE BAR DIAMETER SHALL BE PROVIDED BETWEEN THE REINFORCING BARS AND THE FACE OF MASONRY UNITS.
7. PROVIDE CONTROL JOINTS IN ALL CONCRETE MASONRY WALLS AT LOCATIONS APPROVED BY THE DESIGN PROFESSIONAL AT A MAXIMUM SPACING OF 3 TIMES THE WALL HEIGHT OR 25'-0", WHICHEVER IS LESS.
8. PROVIDE DOVETAIL ANCHORS AT 16" C/C, UNLESS NOTED OTHERWISE, WHERE MASONRY WALLS ABUT CONCRETE SURFACES.
9. SUBMIT WRITTEN CONSTRUCTION PROCEDURES PRIOR TO THE START OF MASONRY CONSTRUCTION.
10. MINIMUM VERTICAL WALL REINFORCEMENT SHALL BE #5@32" CENTERED, UNLESS NOTED OTHERWISE.
11. MINIMUM VERTICAL WALL REINFORCEMENT FOR INTERIOR NON-LOAD BEARING PARTITION WALLS SHALL BE #4@48" CENTERED, UNLESS NOTED OTHERWISE.
12. SUBMIT SHOP DRAWINGS FOR MASONRY REINFORCEMENT IN ACCORDANCE WITH SPECIFICATION SECTION 032000.

STEEL JOISTS

1. STEEL JOISTS, BRIDGING, AND THEIR CONNECTIONS SHALL BE DESIGNED, FABRICATED, AND ERECTED ACCORDING TO THE SPECIFICATIONS OF THE STEEL JOIST INSTITUTE (SJI).
2. STEEL ROOF JOISTS AND BRIDGING SHALL BE DESIGNED FOR A NET UNIFORM UPLIFT LOAD AS INDICATED ON THE COMPONENTS AND CLADDING DIAGRAM MINUS THE SELF WEIGHT OF THE JOIST AND 5 PSF SUPERIMPOSED DEAD LOAD.
3. BRIDGING SHALL BE DESIGNED TO FULLY BRACE TOP CHORD OF JOISTS UNDER SERVICE LOADS FOR ROOF JOISTS NOT BRACED BY STEEL ROOF DECK.
4. DESIGN OF STEEL JOISTS, BRIDGING, AND THEIR CONNECTIONS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REVIEW OF SHOP DRAWINGS SHALL BE FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS REGARDING ARRANGEMENT AND SIZES OF MEMBERS AND THE CONTRACTOR'S INTERPRETATION OF THE DESIGN LOADS AND CONTRACT DOCUMENT DETAILS. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF FULL RESPONSIBILITY FOR THE DESIGN OF THE STEEL JOISTS, BRIDGING AND THEIR CONNECTIONS. SUBMIT CALCULATIONS SIGNED AND SEALED BY AN ENGINEER LICENSED IN THE PROJECT STATE.
5. CONTRACTOR SHALL COORDINATE THE CONSTRUCTION AND ERECTION OF WALLS, BEAM FRAMING, METAL DECKING, ETC. TO ENSURE COMPATIBILITY OF ROOF AND WALL SYSTEMS CONSIDERING PITCH AND CAMBER OF STEEL JOISTS.
6. ALL JOIST SEATS SHALL BE CAPABLE OF RESISTING A 1,500 LB SERVICE OVERTURNING FORCE.

STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL CONFORM TO ASTM A992, UNLESS NOTED OTHERWISE.
   - STRUCTURAL STEEL HSS SHAPES SHALL CONFORM TO ASTM A500, GRADE C.
   - MISCELLANEOUS PLATES AND CONNECTION MATERIAL SHALL CONFORM TO ASTM A36, UNLESS NOTED OTHERWISE.
2. BOLTS AND ANCHORS:

   2.1 BOLTED CONNECTIONS SHALL BE TYPE N (BEARING TYPE WITH THREADS INCLUDED IN SHEAR PLANE) WITH MINIMUM 3/4" DIAMETER F3125 BOLTS. SUBMIT PROPOSED BOLT TIGHTENING PROCEDURE FOR REVIEW. BOLTED CONNECTIONS SHALL BE ASSEMBLED AND INSPECTED IN ACCORDANCE WITH RCSC-2014 (SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS).

   2.2 ANCHOR BOLTS SHALL BE HEADED BOLTS CONFORMING TO ASTM F1554 AND SHALL BE HEADED RODS OR THREADED RODS WITH HEAVY HEXAGONAL NUT WELDED TO THE BOTTOM OF THE THREADED ROD, GRADE A36, UNLESS NOTED OTHERWISE.

   2.3 EXPANSION ANCHORS SHALL HAVE BEEN EVALUATED BY THE ICC EVALUATION SERVICES, INC (ICC-ES) WITH A PUBLISHED EVALUATION REPORT. ANCHORS INSTALLED IN CONCRETE THAT MAY BECOME CRACKED UNDER SERVICE LOADS SHALL BE EVALUATED BY ICC-ES ACCEPTANCE CRITERIA 193 AND BE SPECIFICALLY APPROVED FOR USE IN CRACKED CONCRETE. CONTACT DESIGN PROFESSIONAL FOR DETERMINATION OF CRACKED OR UNCRACKED CONCRETE CONDITION UNLESS CONDITION IS NOTED ON THE DRAWINGS. ALL ANCHORS SHALL BE APPROVED FOR RESISTING WIND AND SEISMIC LOADS. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. MINIMUM EMBEDMENT SHALL BE EQUAL TO 4.5 TIMES THE ANCHOR DIAMETER, UNLESS NOTED OTHERWISE.

   2.4 ADHESIVE ANCHORS SHALL CONSIST OF AN ALL-THREAD STEEL ANCHOR WITH ADHESIVE CONFORMING TO ASTM C881-02, TYPE IV, GRADE 3, CLASS A, B, & C EXCEPT GEL TIMES AND EPOXY CONTENT. ADHESIVE SHALL CONSIST OF A TWO COMPONENT ADHESIVE SYSTEM CONTAINED IN SIDE BY SIDE PACKAGING CONNECTED TO A MIXING NOZZLE WHICH THOROUGHLY MIXES THE COMPONENTS AS IT IS INJECTED INTO THE HOLE. ADHESIVE SHALL HAVE PASSED ICC EVALUATION SERVICES, INC (ICC-ES) ACCEPTANCE CRITERIA 308 FOR LONG TERM CREEP. ANCHORS INSTALLED IN CONCRETE THAT MAY BECOME CRACKED UNDER SERVICE LOADS SHALL BE EVALUATED BY ICC-ES ACCEPTANCE CRITERIA 308 AND BE SPECIFICALLY APPROVED FOR USE IN CRACKED CONCRETE. CONTACT DESIGN PROFESSIONAL FOR DETERMINATION OF CRACKED OR UNCRACKED CONCRETE CONDITION UNLESS CONDITION IS NOTED ON THE DRAWINGS. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. MINIMUM EMBEDMENT SHALL BE EQUAL TO 4.5 TIMES THE ANCHOR DIAMETER, UNLESS NOTED OTHERWISE.
3. STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED ACCORDING TO BOTH THE AISC “SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS” AND THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".
4. SUBMIT SHOP DRAWINGS WHICH ADEQUATELY DEPICT THE STRUCTURAL ELEMENTS AND CONNECTIONS SHOWN IN THE CONTRACT DOCUMENTS. CONNECTIONS SHALL BE DETAILED BASED ON THE DESIGN INFORMATION PROVIDED IN THE CONTRACT DOCUMENTS. CONNECTIONS SHALL BE DESIGNED FOR THE SERVICE LOAD REACTION VALUES SHOWN ON THE STRUCTURAL DRAWINGS. FOR STEEL MEMBERS WHOSE REACTIONS ARE NOT SHOWN, THE DESIGN REACTION SHALL BE DESIGNED FOR THE SERVICE LOAD REACTION OF 10 KIPS UNLESS SHOWN OTHERWISE ON THE STRUCTURAL DRAWINGS. DEVIATION FROM THE CONNECTION DETAILS DEPICTED IN THE CONTRACT DOCUMENTS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE DESIGN PROFESSIONAL. **DESIGN PROFESSIONAL SHALL BE COMPENSATED BY THE CONTRACTOR FOR THE COST INVOLVED IN THE REDESIGN OF CONNECTIONS FOR THE CONVENIENCE OF THE CONTRACTOR. STEEL CONNECTIONS NOT COMPLETELY DETAILED ON THE STRUCTURAL DRAWINGS SHALL BE DESIGNED BY THE CONTRACTOR. THIS DESIGN SERVICE SHALL BE INCLUDED IN THE CONTRACTOR'S SCOPE OF SERVICES. SHOP DRAWINGS AND CALCULATIONS FOR SUCH CONNECTIONS SHALL BE SEALED BY AN ENGINEER LICENSED IN THE PROJECT STATE.** REVIEW DOES NOT RELIEVE THE CONTRACTOR OF THE FULL RESPONSIBILITY FOR THE DESIGN AND ADEQUACY OF SUCH CONNECTIONS. FOR CONNECTION DETAILS DEPICTING ARRANGEMENT CONCEPT OF THE CONNECTION WITHOUT COMPLETE DETAILS, THE CONNECTION DESIGN ENGINEER SHALL FOLLOW THAT ARRANGEMENT CONCEPT IN THE DESIGN. SINGLE ANGLE CONNECTIONS ARE NOT ACCEPTABLE.
5. USE PRE-QUALIFIED WELDED JOINTS IN ACCORDANCE WITH AISC AND THE STRUCTURAL WELDING CODE OF THE AMERICAN WELDING SOCIETY D1.1-10. "NON-PRE-QUALIFIED JOINTS" SHALL BE QUALIFIED PRIOR TO FABRICATION. PROOF OF WELDER CERTIFICATION SHALL BE AVAILABLE AT THE JOB SITE DURING TIMES OF INSPECTION.
6. STRUCTURAL STEEL EXPOSED TO WEATHER SHALL BE GALVANIZED.

METAL DECK

1. DECK DESIGN IS BASED ON THE STEEL DECK INSTITUTE DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS AND ROOF DECKS.
2. PROVIDE GALVANIZED ROOF DECK WITH THE FOLLOWING MINIMUM PROPERTIES:
   - 1 1/2 INCH DEPTH
   - 20 GAGE THICKNESS
   - 0.218 IN^3/FT SECTION MODULUS
   - 0.182 IN^4/FT MOMENT OF INERTIA
   - 50,000 PSI YIELD STRESS
3. DECK IS SPECIFIED BASED ON A THREE SPAN CONDITION. FURNISH HEAVIER GAGE DECK IF REQUIRED FOR ONE OR TWO SPAN CONDITIONS.

WOOD

1. WOOD FRAMING SHALL BE SOUTHERN PINE, NO. 2 K.D. (15% MAX. MOISTURE CONTENT) OR EQUIVALENT. MINIMUM ALLOWABLE BENDING STRESS SHALL BE PER NDS.
2. PLUS PSL (PRESERVATIVE TREATMENT) MEMBERS SHALL BE PARALLAM 2.0E FOR BEAMS, AND TREATED TO SERVICE LEVEL "SL2". BEAM SHALL HAVE A MINIMUM ALLOWABLE BENDING STRESS OF 1885 PSI AND MODULUS OF ELASTICITY OF 1490 KSI.
3. CONNECTIONS FOR STRUCTURAL TIMBER SHALL BE GALVANIZED STRONG-TIE CONNECTORS BY THE SIMPSON COMPANY OR APPROVED EQUAL.
4. WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE FOUNDATION GRADE PRESSURE-TREATED SOUTHERN PINE. USE GALVANIZED NAILS IN PRESSURE-TREATED WOOD.
5. FASTENING SCHEDULE SHALL BE IN ACCORDANCE WITH TABLE 2304.10.1 IN THE INTERNATIONAL BUILDING CODE, 2018 EDITION, UNLESS OTHERWISE SPECIFIED.
6. PLYWOOD DIAPHRAGMS SHALL BE EITHER STRCTURAL I OR II SOUTHERN PINE PLYWOOD WITH THICKNESS AS NOTED IN THE STRUCTURAL DOCUMENTS. PLYWOOD SHALL CONFORM TO THE REQUIREMENTS OF THE BUILDING CODE.
7. PLYWOOD SHALL BE ORIENTED AND NAILED TO SUPPORTING MEMBERS AS NOTED IN THE STRUCTURAL DOCUMENTS.
8. PLYWOOD SHALL BE PROVIDED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE AMERICAN PLYWOOD ASSOCIATION (APA). THE MINIMUM THICKNESSES WHICH FOLLOW SHALL BE INCREASED AS REQUIRED TO SATISFY ARCHITECTURAL REQUIREMENTS.

   8.1 ROOF SHEATHING SHALL BE APA RATED SHEATHING, EXPOSURE 1, 48"x96". FOR SUPPORTS 12" O.C. USE 19/32" PLYWOOD. PLYWOOD SHALL BE TONGUE AND GROOVE (T&G) OR BE INSTALLED WITH PANEL CLIPS IN ACCORDANCE WITH APA RECOMMENDATIONS. WHERE ALLOWABLE SPANS ARE EXCEEDED AT ROOF SLOPE TRANSITIONS, PROVIDE SPECIALLY DESIGNED SUPPLEMENTAL MEMBERS AS REQUIRED. SHEATHING SHALL BE INSTALLED WITH THE LONG EDGE ACROSS A MINIMUM OF THREE SUPPORTING MEMBERS. SUPPORT AND STAGGER EDGES OF PLYWOOD PARALLEL TO SUPPORTING MEMBER. PROVIDE CONTINUOUS BLOCKING AT PERIMETER OF EACH DIAPHRAGM PLANE (INCLUDING ROOF SLOPE TRANSITIONS) AND AROUND OPENINGS. FASTEN SHEATHING WITH 10d NAILS AT 6" OC AT SUPPORTED EDGES UNO AND AT 12" OC AT INTERMEDIATE SUPPORTS. A 1/8" GAP SHALL BE LEFT BETWEEN ADJACENT PANELS. PROTECT EDGES AGAINST EXPOSURE TO WEATHER OR USE EXTERIOR GRADE PLYWOOD. COVER SHEATHING AS SOON AS POSSIBLE WITH ROOFING FELT OR SHINGLE UNDERLAYMENT FOR PROTECTION AGAINST EXCESSIVE MOISTURE PRIOR TO ROOFING INSTALLATION.

DEFERRED SUBMITTALS

1. DEFERRED SUBMITTALS ARE THOSE PORTIONS OF THE DESIGN WHICH ARE NOT SUBMITTED AT THE TIME OF PERMIT APPLICATION AND WHICH ARE TO BE SUBMITTED TO THE BUILDING OFFICIAL WITHIN A SPECIFIED PERIOD.
2. SUBMITTAL DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD THROUGH THE ARCHITECT AND GENERAL CONTRACTOR. ONCE THE SUBMITTAL DOCUMENTS HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE TO THE CONTRACT DOCUMENTS, THE ENGINEER OF RECORD WILL FORWARD THEM TO THE ARCHITECT WITH A NOTATION INDICATING THAT THEY ARE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING. THE ARCHITECT WILL FORWARD THE DEFERRED SUBMITTAL DOCUMENTS TO THE GENERAL CONTRACTOR WHO WILL MAINTAIN ONE SET ON SITE FOR REFERENCE BY THE BUILDING INSPECTOR. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THE SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL.
3. DEFERRED SUBMITTALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. SUBMIT SHOP DRAWINGS, CALCULATIONS, DESIGN LOAD DATA AND SUPPORT REACTIONS OF THE COMPONENTS SEALED BY AN ENGINEER LICENSED IN THE PROJECT STATE.
4. ITEMS THAT ARE SUBMITTED FOR CONSIDERATION AS DEFERRED SUBMITTALS ARE AS FOLLOWS:
   - a. STEEL JOISTS
   - b. STEEL CONNECTIONS
   - c. PRE-ENGINEERED METAL BUILDING AT INCINERATOR
   - d. ROOF HATCH AND LADDER (AND ATTACHMENT TO PARTITION WALLS)

ALPHA BLDG SET 08-19-2025

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OWNER

HABERSHAM COUNTY ANIMAL CONTROL

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CONERLIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-07-08	PERMIT SET

ISSUANCE

PROJECT NUMBER
2022-313

DRAWN: HDK
CHECKED: HJ

SHEET TITLE
GENERAL NOTES

SHEET NO.
S-001

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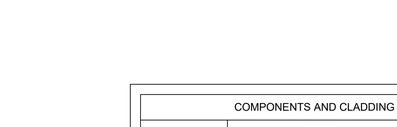
ALPHA BLDG SET 08-19-2025

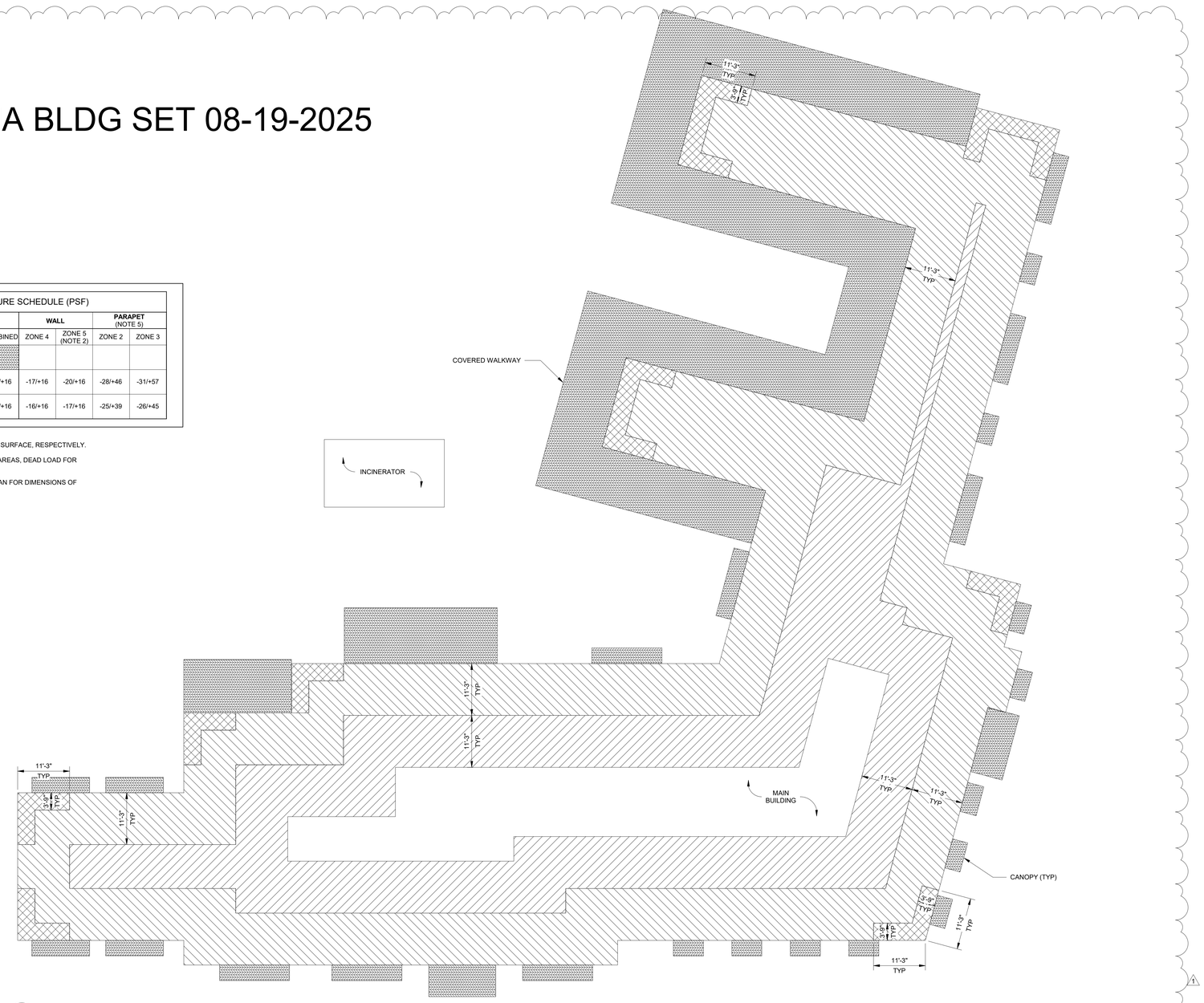
THIS SHEET PLOTS ON 42" X 30"

COMPONENTS AND CLADDING ULTIMATE WIND PRESSURE SCHEDULE (PSF)											
EFFECTIVE WIND AREA	ROOF				CANOPY OVERHANG (NOTE 4)			WALL		PARAPET (NOTE 5)	
	ZONE 1'	ZONE 1	ZONE 2	ZONE 3	UPPER SURFACE	LOWER SURFACE	COMBINED	ZONE 4	ZONE 5 (NOTE 2)	ZONE 2	ZONE 3
25 SF	-17/+16	-26/+16	-35/+16	-45/+16	-19/+16	-16/+16	-16/+16	-17/+16	-20/+16	-28/+46	-31/+57
100 SF	-17/+16	-22/+16	-30/+16	-35/+16	-16/+16	-16/+16	-16/+16	-16/+16	-17/+16	-25/+39	-26/+45

SCHEDULE NOTES:
1. (+) AND (-) SIGNS INDICATE PRESSURES ACTING TOWARD AND AWAY FROM THE BUILDING SURFACE, RESPECTIVELY.
2. PRESSURES APPLY **7'-9"** FROM PROMINENT BUILDING CORNER IN EACH DIRECTION.
3. JOIST MANUFACTURER MAY DEVELOP WIND PRESSURES BASED ON LARGER TRIBUTARY AREAS, DEAD LOAD FOR UPLIFT CALCULATION TO BE 5 PSF.
4. SEE 4/S-002 FOR ATTACHED CANOPY ELEVATION.
5. PRESSURES APPLY AT PARAPETS LOCATED WITHIN THE ROOF ZONES INDICATED, SEE PLAN FOR DIMENSIONS OF EXTENTS.



4 S-002 CANOPY ELEVATION
3/4" = 1'-0"



3 S-002 COMPONENTS & CLADDING DIAGRAM
3/32" = 1'-0"

ABBREVIATIONS

ABT	ABOUT	(E)	EXISTING	IF	INSIDE FACE	OC	ON CENTER
ACI	AMERICAN CONCRETE INSTITUTE	EA	EACH	IBC	INTERNATIONAL BUILDING CODE	OD	OUTSIDE DIAMETER
ADDL	ADDITIONAL	EF	EACH FACE	ICC	INTERNATIONAL CODE COUNCIL	OF	OUTSIDE FACE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	EL	ELEVATION	ID	INSIDE DIAMETER	OPNG	OPENING
ALT	ALTERNATE	ELEC	ELECTRICAL	IE	INVERT ELEVATION	OPP	OPPOSITE
APPROX	APPROXIMATE	ENGR	ENGINEER	IN	INCH	OSH	OVERSIZED HOLE
ARCH	ARCHITECTURAL/ARCHITECT	EOD	EDGE OF DECK	INT	INTERIOR		
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	EOR	ENGINEER OF RECORD			PCF	POUNDS PER CUBIC FOOT
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS	EOS	EDGE OF SLAB	JT	JOINT	PE	PROFESSIONAL ENGINEER
AWS	AMERICAN WELDING SOCIETY	EQ	EQUAL			PERIM	PERIMETER
		EQUIP	EQUIPMENT	K	KIP(S)	PJF	PREMOLDED JOINT FILLER
B	BOTTOM OF	EW	EACH WAY	KSF	KIPS PER SQUARE FOOT	PL	PLATE
BLDG	BUILDING	EXP	EXPANSION	KSI	KIPS PER SQUARE INCH	PLCS	PLACES
BM	BEAM	EXT	EXTERIOR			PLF	POUNDS PER LINEAR FOOT
BOTT	BOTTOM			(LLH)	LONG LEG HORIZONTAL (ANGLE)	PREFAB	PREFABRICATED
BRG	BEARING	FD	FLOOR DRAIN	(LLV)	LONG LEG VERTICAL (ANGLE)	PSF	POUNDS PER SQUARE FOOT
BTWN	BETWEEN	FDN	FOUNDATION	(LSH)	LONG SIDE HORIZONTAL (HSS)	PSI	POUNDS PER SQUARE INCH
		FF	FINISHED FLOOR	(LSV)	LONG SIDE VERTICAL (HSS)	PT	POINT
C/C	CENTER TO CENTER	FG	FINISHED GRADE	LB	POUND		
CALC	CALCULATION(S)	FIN	FINISH	LF	LINEAR FEET	R	RADIUS
CHKD	CHECKED	FLG	FLANGE	LL	LIVE LOAD	RD	ROOF DRAIN
CIP	CAST-IN-PLACE CONCRETE	FLR	FLOOR	LOC	LOCATION	REF	REFERENCE
CJ	CONSTRUCTION CONTROL JOINT	FRMG	FRAMING	LONG	LONGITUDINAL	REINF	REINFORCING
CJP	COMPLETE JOINT PENETRATION	FRP	FIBER REINFORCED PLASTIC	LP	LOW POINT	REQD	REQUIRED
CL	CENTERLINE	FS	FAR SIDE	LSH	LONG SLOTTED HOLE	RET	RETURN
CLR	CLEAR, CLEARANCE	FT	FOOT			REV	REVISION
COL	COLUMN	FTG	FOOTING	M	MOMENT	RO	ROUGH OPENING
CONC	CONCRETE	FV	FIELD VERIFY	MAX	MAXIMUM	RTU	ROOFTOP UNIT
CONN	CONNECTION			MC	MOMENT CONNECTION		
COORD	COORDINATE	GA	GAGE, GAUGE	MECH	MECHANICAL	SC	SLIP CRITICAL
CRSI	CONCRETE REINFORCING STEEL INSTITUTE	GALV	GALVANIZED (HOT DIP)	MFC	MANUFACTURED	SCHED	SCHEDULE
CTR	CENTER	GRTG	GRATING	MFR	MANUFACTURER	SECT	SECTION
CTRD	CENTERED			MIN	MINIMUM	SHT	SHEET
		(H)	HORIZONTAL BEAM ORIENTATION	MISC	MISCELLANEOUS	SIM	SIMILAR
DBA	DEFORMED BAR ANCHOR	HCA	HEADED CONCRETE ANCHOR	MTD	MOUNTED	SL	SLOPE
DBL	DOUBLE	HDR	HEADER	MTL	METAL	SPCS	SPACES
DEG	DEGREES	HGR	HANGER			SPEC(S)	SPECIFICATION(S)
DET	DETAIL	HORIZ	HORIZONTAL	N&F	NEAR AND FAR	SQ	SQUARE
DIA	DIAMETER	HP	HIGH POINT	N/A	NOT APPLICABLE	SS	STAINLESS STEEL
DIAG	DIAGONAL	HR	HANDRAIL	NIC	NOT IN CONTRACT	SSH	SHORT SLOTTED HOLE
DIR	DIRECTION	HSB	HIGH STRENGTH BOLT	NO/NO.	NUMBER	STD	STANDARD
DL	DEAD LOAD			NOM	NOMINAL	STIF	STIFFENER
DWG	DRAWING			NS	NEAR SIDE	STL	STEEL
				NTS	NOT TO SCALE	STRUCT	STRUCTURAL
						SYM	SYMMETRICAL

T&B	TOP AND BOTTOM		
T/O	TOP OF		
THK	THICK		
THRU	THROUGH		
TYP	TYPICAL		
UL	UNDERWRITER'S LABORATORIES		
UNO	UNLESS NOTED OTHERWISE		
VERT	VERTICAL		
W	WITH		
W/O	WITHOUT		
WP	WORKING POINT		
WS	WATERSTOP		
WWF	WELDED WIRE FABRIC		

2 S-002 ABBREVIATIONS
3/4" = 1'-0"

STEEL COLUMN/FOOTING TYPE INDICATOR

COL	SIZE STEEL COLUMN SIZE
BP-X	BASE PLATE MARK
FX-X (-0'-0")	FOOTING MARK (T/FTG ELEVATION)
P-X (-0'-0")	PEDESTAL MARK (T/PEDESTAL ELEVATION)

FOUNDATION STEP INDICATOR

(-x'-x") T/FOOTING ELEVATION
(-x'-x") T/FOOTING ELEVATION

OPENING IN FLOOR OR ROOF

RECESS/DEPRESSION INDICATOR

STRUCTURAL STEEL CONNECTION AXIAL FORCE

(xxk)

SLOPE INDICATOR

Y
X

CONCRETE SLAB/METAL DECK SPAN INDICATOR

STRUCTURAL STEEL MOMENT CONNECTION

STRUCTURAL STEEL BEAM DESIGNATION

W8x10 (XX) c=x"
(XXk) (XXk)

BEAM SIZE
NUMBER OF STUDS UNIFORMLY SPACED ALONG BEAM
BEAM CAMBER
BEAM SERVICE REACTION

STRUCTURAL STEEL BEAM SPLICE DESIGNATION

CL SPLICE

STRUCTURAL CONCRETE BEAM DESIGNATION

CB XXX PB XXX

CBX INDICATES CONVENTIONALLY REINFORCED CONCRETE BEAM MARK BEAM WIDTH MAY VARY BASED UPON EDGE OF SLAB DIMENSION

PBX INDICATES POST-TENSIONED CONCRETE BEAM MARK, BEAM WIDTH MAY VERY BASED UPON EDGE OF SLAB DIMENSION

1 S-002 STRUCTURAL LEGEND
3/4" = 1'-0"

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OWNER

HABERSHAM COUNTY ANIMAL CONTROL

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CONERLIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-07-08	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

DRAWN: HDK
CHECKED: HJ

SHEET TITLE
ABBREVIATIONS, WIND DIAGRAM & LEGEND

SHEET NO.
S-002

THIS SHEET PLOTS ON 42" X 30"

SCHEDULE OF SPECIAL INSPECTION SERVICES

PROJECT HABERSHAM ANIMAL CONTROL

MATERIAL / ACTIVITY	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT	AGENT*	DATE COMPLETED
1705.1.1 Special Cases (work unusual in nature, including but not limited to alternative materials and systems, unusual design applications, materials and systems with special manufacturer's requirements - add additional rows as needed.)	Submittal review, shop (3) and/or field inspection	N			
1. Inspection of anchors post-installed in solid grouted masonry: Per research reports including verification of anchor type, anchor dimensions, hole dimensions, hole cleaning procedures, anchor spacing, edge distances, masonry unit, grout, masonry compressive strength, anchor embedment and tightening torque	Field inspection	Y	Periodic or as required by the research report issued by an approved source		
2. Aggregate Pier Inspection: The special inspector's responsibilities include, but are not limited to, review of the aggregate pier designer's use of soil parameters as presented in the project soils report, and during construction, verification of aggregate properties, type and number of lifts of aggregate, hole size and depths and top elevations of the pier elements, and applied energy. Additionally, results of qualitative tests on production aggregate pier elements such as modulus load testing, uplift pull-out testing, bottom stabilization tests and dynamic cone penetration tests, shall be reviewed to verify compliance with design specifications.	Field inspection	N	Periodic or as required by the research report issued by an approved source		
1705.2.1 Structural Steel Construction					
1. Fabricator and erector documents (Verify reports and certificates as listed in AISC 360, chapter N, paragraph 3.2 for compliance with construction documents)	Submittal Review	Y	Each submittal		
2. Material verification of structural steel	Shop (3) and field inspection	Y	Periodic		
3. Structural steel welding:					
a. Inspection tasks Prior to Welding (Observe, or perform for each welded joint or member, the QA tasks listed in AISC 360, Table N5.4-1)	Shop (3) and field inspection	Y	Observe or Perform as noted (4)		
b. Inspection tasks During Welding (Observe, or perform for each welded joint or member, the QA tasks listed in AISC 360, Table N5.4-2)	Shop (3) and field inspection	Y	Observe (4)		
c. Inspection tasks After Welding (Observe, or perform for each welded joint or member, the QA tasks listed in AISC 360, Table N5.4-3)	Shop (3) and field inspection	Y	Observe or Perform as noted (4)		
d. Nondestructive testing (NDT) of welded joints: see *Commentary*					
1) Complete penetration groove welds 5/16" or greater in risk category III or IV	Shop (3) or field ultrasonic testing - 100%	N	Periodic		
2) Complete penetration groove welds 5/16" or greater in risk category II	Shop (3) or field ultrasonic testing - 10% of welds minimum	Y	Periodic		
3) Welded joints subject to fatigue when required by AISC 360, Appendix 3, Table A-3.1	Shop (3) or field radiographic or Ultrasonic testing	N	Periodic		
4) Fabricator's NDT reports when fabricator performs NDT	Verify reports	Y	Each submittal (5)		
4. Structural steel bolting:	Shop (3) and field inspection				
a. Inspection tasks Prior to Bolting (Observe, or perform tasks for each bolted connection, in accordance with QA tasks listed in AISC 360, Table N5.6-1)		Y	Observe or Perform as noted (4)		
b.Inspection tasks During Bolting (Observe the QA tasks listed in AISC 360, Table N5.6-2)		Y	Observe (4)		
1) Pre-tensioned and slip-critical joints		N			
a) Turn-of-nut with matching markings			Periodic		
b) Direct tension indicator			Periodic		
c) Twist-off type tension control bolt			Periodic		
d) Turn-of-nut without matching markings			Continuous		
e) Calibrated wrench			Continuous		
2) Snug-tight joints		Y	Periodic		
c. Inspection tasks After Bolting (Perform tasks for each bolted connection in accordance with QA tasks listed in AISC 360, Table N5.6-3)		Y	Perform (4)		
5. Visual inspection of exposed cut surfaces of galvanized structural steel main members and exposed corners of the rectangular HSS for cracks subsequent to galvanizing	Shop (3) and field inspection and testing	N	Periodic		
6. Embedments (Verify diameter, grade, type, length, embedment. See 1705.3 for anchors)	Field inspection	Y	Periodic		
7. Verify member locations, braces, stiffeners, and application of joint details at each connection comply with construction documents	Field inspection	Y	Periodic		
1705.2.2 Cold-Formed Steel Deck					
1. Manufacturer documents (Verify reports and certificates as listed in SDI QA/QC, Section 2, Paragraphs 2.1 and 2.2 for compliance with construction documents)	Submittal Review	Y	Each submittal		
2. Material verification of steel deck, mechanical fasteners and welding materials:	Shop (3) and field inspection	Y	Periodic		
3. Cold-formed steel deck placement:	Shop (3) and field inspection	Y			
a. Inspection tasks Prior to Deck Placement (Perform the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.1)		Y	Perform (4)		
b. Inspection tasks After Deck Placement (Perform the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.2)		Y	Perform (4)		
4. Cold-formed steel deck welding:	Shop (3) and field inspection	Y			
a. Inspection tasks Prior to Welding (Observe the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.3)		Y	Observe (4)		
b. Inspection tasks During Welding (Observe the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.4)		Y	Observe (4)		
c. Inspection tasks After Welding (Perform the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.5)		Y	Perform (4)		
5. Cold-formed steel deck mechanical fastening:	Shop (3) and field inspection	Y			
a. Inspection tasks Prior to Mechanical Fastening (Observe the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.6)		Y	Observe (4)		
b. Inspection tasks During Mechanical Fastening (Observe the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.7)		Y	Observe (4)		
c. Inspection tasks After Mechanical Fastening (Perform the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.8)		Y	Perform (4)		
1705.2.3. Open-Web Steel Joists and Joist Girders					
1. Installation of open-web steel joists and joist girders.		Y	1		
a. End connections - welding or bolted.	per SJI CJ or SJI 100	Y	Periodic		
b. Bridging - horizontal or diagonal.		Y			
1) Standard bridging.	per SJI CJ or SJI 100	Y	Periodic		
2) Bridging that differs from the specifications listed in SJI CJ or SJI 100.		N	Periodic		
1705.2.4. Cold-Formed Steel Trusses Spanning 60 feet or Greater					
Verify temporary and permanent restraint/bracing are installed in accordance with the approved truss submittal package	Field inspection	N			
1705.3 Concrete Construction					
1. Inspection and placement verification of reinforcing steel and prestressing tendons.	Shop (3) and field inspection	Y	Periodic		
2. Reinforcing bar welding:		N			
a. Verification of weldability of bars other than ASTM A706.			Periodic		
b. Inspection of single-pass fillet welds 5/16 or less in size.			Periodic		
c. Inspection of all other welds.		N	Continuous		
3. Inspection of anchors cast in concrete.	Shop (3) and field inspection	Y	Periodic		
4. Inspection of anchors post-installed in hardened concrete members per research reports, or, if no specific requirements are provided, requirements shall be provided by the registered design professional and approved by the building official, including verification of anchor type, anchor dimensions, hole dimensions, hole cleaning procedures, anchor spacing, edge distances, concrete minimum thickness, anchor embedment and tightening torque	Field inspection		Periodic or as required by the research report issued by an approved source		
a. Adhesive anchors installed in horizontal or upward-inclined orientation that resist sustained tension loads.		Y	1 Continuous		
b. Mechanical and adhesive anchors note defined in 4a.		Y	Periodic		
5. Verify use of approved design mix	Shop (3) and field inspection	Y	Periodic		
6. Prior to placement, fresh concrete sampling, perform slump and air content tests and determine temperature of concrete and perform any other tests as specified in construction documents.	Shop (3) and field inspection	Y	Continuous		
7. Inspection of concrete and shotcrete placement for proper application techniques	Shop (3) and field inspection	Y	Continuous		
8. Verify maintenance of specified curing temperature and techniques	Shop (3) and field inspection	Y	Periodic		
9. Inspection of prestressed concrete:	Shop (3) and field inspection	N			
a. Application of prestressing force			Continuous		
b. Grouting of bonded prestressing tendons			Continuous		
10. Inspect erection of precast concrete members		N	Periodic		
11. Verification of in-situ concrete strength, prior to stressing of tendons in post tensioned concrete and prior to removal of shores and forms from beams and structural slabs	Review field testing and laboratory reports	N	Periodic		
12. Inspection of formwork for shape, lines, location and dimensions	Field inspection	Y	Periodic		
13. Concrete strength testing and verification of compliance with construction documents	Field testing and review of laboratory reports	Y	Periodic		
1705.4 Masonry Construction					
MINIMUM VERIFICATION REQUIREMENTS					
(A) Level 1, 2 and 3 Quality Assurance:					
1. Prior to construction, verification of compliance of submittals	Submittal Review	Y	Prior to Construction		
(B) Level 2 & 3 Quality Assurance:					
1. Prior to construction verification of f'm and f'AAC except where specifically required by the code	Testing by unit strength method or prism test method	Y	Prior to Construction		
2. During construction, verification of Slump Flow and Visual Stability Index (VSI) when self-consolidating grout is delivered to project site.	Testing by unit strength method or prism test method	Y	Periodic		
(C) Level 3 Quality Assurance:					
1. During construction, verification of f'm and f'AAC for every 5,000 SF	Testing by unit strength method or prism test method	N	Periodic		
2. During construction, verification of proportions of materials as delivered to the project site for premixed or preblended mortar, prestressing grout, and grout other than self-consolidating grout.	Field inspection	N	Periodic		
MINIMUM SPECIAL INSPECTION REQUIREMENTS					
(D) Levels 2 and 3 Quality Assurance:					
1. As masonry construction begins, verify that the following are in					
a. Proportions of the site-prepared mortar	Field inspection	Y	Periodic		
b. Grade and size of prestressing tendons and anchorages	Field inspection	N	Periodic		
c. Grade, type, and size of reinforcement, anchor bolts, and prestressing tendons and anchorages	Field inspection	Y	Periodic		
d. Prestressing technique	Field inspection	N	Periodic		
e. Properties of thin-bed mortar for AAC masonry (b) Required for the first 5,000 square feet (c) Required after the first 5,000 square feet	Field inspection	N	Level 2 - Continuous (b) Level 2 - Periodic (c)		
		N	Level 3 - Continuous		
f. Sample panel construction	Field inspection	N	Level 2 - Periodic		
		N	Level 3 - Continuous		
2. Prior to grouting, verify that the following are in compliance:					
a. Grout space	Field inspection	Y	Level 2 - Periodic		
		N	Level 3 - Continuous		
b. Placement of prestressing tendons and anchorages	Field inspection	N	Periodic		
c. Placement of reinforcement, connectors, and anchor bolts	Field inspection	Y	Level 2 - Periodic		
		N	Level 3 - Continuous		
d. Proportions of site-prepared grout and prestressing grout for bonded tendons	Field inspection	Y	Periodic		
3. Verify compliance of the following during construction:					
a. Materials and procedures with the approved submittals	Field inspection	Y	Periodic		
b. Placement of masonry units and mortar joint construction	Field inspection	Y	Periodic		
c. Size and location of structural members	Field inspection	Y	Periodic		
d. Type, size, location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction	Field inspection	Y	Level 2 - Periodic		
		N	Level 3 - Continuous		
e. Welding of reinforcement	Field inspection	N	Continuous		
f. Preparation, construction, and protection of masonry during cold weather (temperature below 40°F) or hot weather (temperature above 90°F)	Field inspection	Y	Periodic		
g. Application and measurement of prestressing force	Field testing	N	Continuous		
h. Placement of grout and prestressing grout for bonded tendons is in compliance	Field inspection	N	Continuous		
i. Placement of AAC masonry units and construction of thin-bed mortar joints (b) Required for the first 5,000 square feet (c) Required after the first 5,000 square feet	Field inspection	N	Level 2 - Continuous (b) Level 2 - Periodic (c)		
		N	Level 3 - Continuous		
4. Observe preparation of grout specimens, mortar specimens, and/or prisms	Field inspection	Y	Level 2 - Periodic		
		N	Level 3 - Continuous		
1705.5 Wood Construction					
1. For prefabricated wood structural elements, inspection of the fabrication process and assemblies in accordance with Section 1704.2.5.	In-plant review (3)	N	Periodic		
2. For high-load diaphragms, verify grade and thickness of structural panel sheathing agree with approved building plans.	Field inspection	N	Periodic		
3. For high-load diaphragms, verify nominal size of framing members at adjoining panel edges, nail or staple diameter and length, number of fastener lines, and that spacing between fasteners in each line and at edge margins agree with approved building plans	Field inspection	N	Periodic		
4. Metal-plate-connected wood trusses:		N			
a. Verification that permanent individual truss member restraint/bracing has been installed in accordance with the approved truss submittal package when the truss height is greater than or equal to 60".	Field inspection	N	Periodic		
b. For trusses spanning 60 feet or greater: verify temporary and permanent restraint/bracing are installed in accordance with the approved truss submittal package	Field inspection	N	Periodic		
1705.6 Soils					
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	Field inspection	Y	Periodic		
2. Verify excavations are extended to proper depth and have reached proper material.	Field inspection	Y	Periodic		
3. Perform classification and testing of controlled fill materials.	Field inspection	Y	Periodic		
4. Verify use of proper materials, densities, and lift thicknesses during placement and compaction of controlled fill	Field inspection	Y	Continuous		
5. Prior to placement of controlled fill, observe subgrade and verify that site has been prepared properly	Field inspection	Y	Periodic		
1705.7 Driven Deep Foundations					
1. Verify element materials, sizes and lengths comply with requirements	Field inspection	N	Continuous		
2. Determine capacities of test elements and conduct additional load tests, as required	Field inspection	N	Continuous		
3. Observe driving operations and maintain complete and accurate records for each element	Field inspection	N	Continuous		
4. Verify placement locations and plumbness, confirm type and size of hammer, record number of blows per foot of penetration, determine required penetrations to achieve design capacity, record tip and butt elevations and document any damage to foundation element	Field inspection	N	Continuous		
5. For steel elements, perform additional inspections per Section 1705.2	See Section 1705.2	N	See Section 1705.2		
6. For concrete elements and concrete-filled elements, perform additional inspections per Section 1705.3	See Section 1705.3	N	See Section 1705.3		
7. For specialty elements, perform additional inspections as determined by the registered design professional in responsible charge	Field inspection	N	In accordance with construction documents		
1705.8 Cast-in-Place Deep Foundations					
1.Inspect drilling operations and maintain complete and accurate records for each element	Field inspection	N	Continuous		
2. Verify placement locations and plumbness, confirm element diameters, bell diameters (if applicable), lengths, embedment into bedrock (if applicable) and adequate end-bearing strata capacity. Record concrete or grout volumes	Field inspection	N	Continuous		
3. For concrete elements, perform additional inspections in accordance with Section 1705.3	See Section 1705.3	N	See Section 1705.3		
1705.9 Helical Pile Foundations					
Verify installation equipment, pile dimensions, tip elevations, final depth, final installation torque and other installation data as required by construction documents.	Field inspection	N	Continuous		
1705.10 Fabricated items					
1. List of fabricated items requiring special inspection during fabrication:	Shop inspection	N	As noted in each applicable shop activity		
2. List of fabricated items to be fabricated on the premises of a fabricator approved to perform such work without special inspection (including name of approved agency providing periodic auditing): 2.1 Pre-fabricated canopies		Y	1		
1705.11.1 Structural Wood Special Inspections For Wind Resistance					
1. Inspection of field gluing operations of elements of the main windforce-resisting system	Field inspection	N	Continuous		
2. Inspection of nailing, bolting, anchoring and other fastening of components within the main windforce-resisting system	Shop (3) and field inspection	N	Periodic		
1705.11.2 Cold-formed Steel Special Inspections For Wind Resistance					
1.Inspection during welding operations of elements of the main windforce-resisting system	Shop (3) and field inspection	N	Periodic		
2.Inspection of screw attachment, bolting, anchoring and other fastening of components within the main windforce-resisting system, including shear walls, braces, diaphragms, collectors (drag struts) and hold-downs.	Shop (3) and field inspection	N	Periodic		
1705.11.3 Wind-resisting Components					
1. Roof covering, roof deck and roof framing connections.	Shop (3) and field inspection	N	Periodic		
2. Exterior wall covering and wall connections to roof and floor diaphragms.	Shop (3) and field inspection	N	Periodic		
1705.12.1 Structural Steel Special Inspections for Seismic Resistance					
1. Seismic force-resisting systems in SDC B, C, D, E, or F.	Shop (3) and field inspection	N	In accordance with AISC 341		
2. Structural steel elements in SDC B, C, D, E, or F other than those in item 1. including struts, collectors, chords and foundation elements.	Shop (3) and field inspection	N	In accordance with AISC 341		
1705.12.2 Structural Wood Special Inspections for Seismic Resistance					
1. Field gluing operations of elements of the seismic-force resisting system for SDC C, D, E or F.	Field inspection	N	Continuous		
2. Nailing, bolting, anchoring and other fastening of components within the seismic-force-resisting system including wood shear walls, wood diaphragms, drag struts, shear panels and hold-downs for SDC C, D, E or F.	Shop (3) and field inspection	N	Periodic		
1705.12.3 Cold-formed Steel Light-Frame Construction Special Inspections for Seismic Resistance					
1. During welding operations of elements of the seismic-force-resisting system for SDC C, D, E or F.	Shop (3) and field inspection	N	Periodic		
2. Screw attachment, bolting, anchoring and other fastening of components within the seismic-force-resisting system including shear walls, braces, diaphragms, collectors (drag struts) and hold-downs for SDC C, D, E or F.	Shop (3) and field inspection	N	Periodic		
1705.12.4 Designated Seismic Systems Verification					
For SDC C, D, E or F, inspect and verify that the component label, anchorage or mounting conforms to the certificate of compliance in accordance with ASCE 7 Section 13.2.2.	Field inspection	N	Periodic		
1705.12.5 Architectural Components Special Inspections for Seismic Resistance					
1. For SDC D, E or F, inspection during the erection and fastening of exterior cladding and interior or exterior veneer more than 30 feet above grade or walking surface and weighing more than 5 psf.	Field inspection	N	Periodic		
2. For SDC D, E or F, inspection during the erection and fastening of interior nonbearing walls more than 30 feet above grade or walking surface and weighing more than 15 psf.	Field inspection	N	Periodic		
3. For SDC D, E or F, inspection during the erection and fastening of exterior nonbearing walls more than 30 feet above grade or walking surface.		N			
4. For SDC D, E or F, inspection during anchorage of access floors	Field inspection	N	Periodic		
1705.12.6 Mechanical and Electrical Components Special Inspections for Seismic Resistance					
1. Inspection during the anchorage of electrical equipment for emergency or standby power systems in SDC C, D, E or F	Field inspection	N	Periodic		
2. Inspection during the anchorage of other electrical equipment in SDC E or F	Field inspection	N	Periodic		
3. Inspection during installation and anchorage of piping systems designed to carry hazardous materials, and their associated mechanical units in SDC C, D, E or F	Field inspection	N	Periodic		
4. Inspection during the installation and anchorage of HVAC ductwork that will contain hazardous materials SDC C, D, E or F	Field inspection	N	Periodic		
5. Inspection during the installation and anchorage of vibration isolation systems in SDC C, D, E or F where nominal clearance of 1/4 inch or less is required by the approved construction documents	Field inspection	N	Periodic		
6. Inspection during installation of mechanical and electrical equipment, including duct work, piping systems and their structural supports, where automatic fire sprinkler systems are installed in structures assigned to SDC C, D, E, or F to verify one of the following unless flexible sprinkler hose fittings are used:					
a. ASCE/SEI 7, Section 13.2.3 minimum required clearances have been provided.	Field inspection	N	Periodic		
b. A three inch or greater nominal clearance has been provided between fire protection sprinkler system drops and sprigs and: structural members not used collectively or independently to support the sprinklers; equipment attached to the building structure; and other systems' piping.	Field inspection	N	Periodic		
1705.12.7 Storage Racks Special Inspections for Seismic Resistance					
Inspection during the anchorage of storage racks 8 feet or greater in height in structures assigned to SDC D, E or F.	Field inspection	N	Periodic		
1705.12.8 Seismic Isolation Systems					
Inspection during the fabrication and installation of isolator units and energy dissipation devices used as part of the seismic isolation system in structures assigned to SDC B, C, D, E or F.	Shop and field inspection	N	Periodic		
1705.12.9 Cold-formed Steel Special Bolted Moment Frames					
Inspection of installation of cold-formed steel special bolted moment frames in the seismic force-resisting systems in structures assigned to SDC D, E or F.	Field inspection	N	Periodic		
1705.13.1 Structural Steel Testing for Seismic Resistance					
1. Nondestructive testing of structural steel in the seismic force-resisting systems in accordance with AISC 341 in structures assigned to SDC B, C, D, E or F.	Field test	N	Periodic		
2. Nondestructive testing of structural steel elements in the seismic force-resisting systems not covered in 1 above including struts, collectors, chords and foundation elements in accordance with AISC 341 in structures assigned to SDC B, C, D, E or F.	Field test	N	Periodic		
1705.13.2 Seismic Certification of Nonstructural Components					
Review certificate of compliance for designated seismic system components in structures assigned to SDC B, C, D, E or F.	Certificate of compliance review	N	Each submittal		
1705.13.3 Seismic Certification of Designated Seismic Systems					
Review certificate of compliance for designated seismic system components in structures assigned to SDC B, C, D, E or F.	Certificate of compliance review	N	Each submittal		
1705.13.4 Seismic Isolation Systems					
Test seismic isolation system in accordance with ASCE 7 Section 17.8 in structures assigned to SDC B, C, D, E or F.	Prototype testing	N	Per ASCE 7		
1705.14 Sprayed Fire-resistant Materials					
1. Verify surface condition preparation of structural members	Field inspection	N	Periodic		
2. Verify minimum thickness of sprayed fire-resistant materials applied to structural members	Field inspection	N	Periodic		
3. Verify density of the sprayed fire-resistant material complies with approved fire-resistant design	Field inspection and testing	N	Per IBC Section 1705.13.5		
4. Verify the cohesive/adhesive bond strength of the cured sprayed fire-resistant material	Field inspection and testing	N	Per IBC Section 1705.13.6		
5. Condition of finished application	Field inspection	N	Periodic		
1705.15 Mastic and Intumescent Fire-Resistant Coatings					
Inspect and test mastic and intumescent fire-resistant coatings applied to structural elements and decks per AWCI 12-B	Field inspection	N	Periodic		
1705.16 Exterior Insulation and Finish Systems (EIFS)					
Inspection of water-resistive barrier over sheathing substrate	Field inspection	N	Periodic		
1705.17 Fire-Resistant Penetrations and Joints					
1. Inspect penetration firestop	Field testing	Y	Per ASTM E2174		
2. Inspect fire-resistant joint systems	Field testing	Y	Per ASTM E2393		
1705.18 Smoke Control Systems					
1. Leakage testing and recording of device locations prior to concealment	Field testing	N	Periodic		
2. Prior to occupancy and after sufficient completion, pressure difference testing, flow measurements, and detection and control verification	Field testing	N	Periodic		

*** INSPECTION AGENTS**

FIRM	ADDRESS	TELEPHONE NO.
1. NOVA ENGINEERING & ENVIRONMENTAL, LLC	859-B BEAVER RIDGE CIR, NORCROSS, GA	(770) 696-9205
2. GEOHYDRO ENGINEERS	1000 COBB PL BLVD #290, KENNESAW, GA	(770) 426-7100
3. TERRACON	2105 NEWPOINT PL #600, LAWRENCEVILLE, GA	(770) 623-0755
4.		

Notes:

1. *The inspection and testing agent(s) shall be engaged by the Owner or the Owner's Agent, and not by the Contractor or Subcontractor whose work is to be inspected or tested. Any conflict of interest must be disclosed to the Building Official prior to commencing work. The qualifications of the Special Inspector(s) and/or testing agencies may be subject to the approval of the Building Official and/or the Design Professional.*
2. *The list of Special Inspectors may be submitted as a separate document, if noted so above.*
3. *Special Insepctions as required by Section 1704.2.5 are not required where the fabricator is approved in accordance with IBC Section 1704.2.5.2.*
4. *Observe on a random basis, operations need not be delayed pending these inspections. Perform these tasks for each welded joint, bolted connection, or steel element.*
5. *NDT of welds completed in an approved fabricator's shop may be performed by that fabricator when approved by the AHJ. Refer to AISC 360, N7.*

Are *Requirements for Seismic Resistance* included in the *Statement of Special Inspections*? No

Are *Requirements for Wind Resistance* included in the *Statement of Special Inspections*? No

DATE: SEE TITLEBLOCK

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GEORGIA REGISTERED STRUCTURAL ENGINEER No. 36006114 HOLLY C JETTRIES

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HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
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No.	Date	Description
1	2025-03-07	VE CHANGES
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PROJECT NUMBER
2022-313

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SHEET TITLE
SPECIAL INSPECTIONS

SHEET NO.
S-003

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3" 2" 1" 1/2" 0

STATEMENT OF SPECIAL INSPECTIONS

PROJECT: HABERSHAM ANIMAL CONTROL
LOCATION: HABERSHAM COUNTY, GA
PERMIT APPLICANT: MIKE MCCROREY
APPLICANT'S ADDRESS: 10641 HWY 36, COVINGTON, GA 30014
ARCHITECT OF RECORD: ALLISON HARDY, RA, CROFT & ASSOCIATES
STRUCTURAL ENGINEER OF RECORD: HOLLY JEFFREYS, PE, SE, SHEAR STRUCTURAL
MECHANICAL ENGINEER OF RECORD: TONY GARGUILO, PE, CROFT & ASSOCIATES
ELECTRICAL ENGINEER OF RECORD: ROBBIE RAHN, PE, CROFT & ASSOCIATES
REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE: ALLISON HARDY, RA

This Statement of Special Inspections is submitted in accordance with Section 1704.3 of the 2012 International Building Code: "It includes a *Schedule of Special Inspection Services* applicable to the above-referenced Project as well as the identity of the individuals, agencies, or firms intended to be retained for conducting these inspections. If applicable, it includes *Requirements for Seismic Resistance* and/or *Requirements for Wind Resistance*.

Are *Requirements for Seismic Resistance* included in the *Statement of Special Inspections*? No

Are *Requirements for Wind Resistance* included in the *Statement of Special Inspections*? No

The Special Inspector(s) shall keep records of all inspections and shall furnish interim inspection reports to the Building Official and to the Registered Design Professional in Responsible Charge at a frequency agreed upon by the Design Professional and the Building Official prior to the start of work. Discrepancies shall be brought to the immediate attention of the Contractor for correction. If the discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the Registered Design Professional in Responsible Charge prior to completion of that phase of work. A *Final Report of Special Inspections* documenting required special inspections and corrections of any discrepancies noted in the inspections shall be submitted to the Building Official and the Registered Design Professional in Responsible Charge at the conclusion of the project.

Frequency of interim report submittals to the Registered Design Professional in Responsible Charge:

__Weekly X Bi-Weekly __Monthly Other; specify:_____

The Special Inspection program does not relieve the Contractor of the responsibility to comply with the Contract Documents. Jobsite safety and means and methods of construction are solely the responsibility of the Contractor.

Statement of Special Inspections Prepared by:

Holly Jeffreys
Type or print name

Signature SEE TITLE BLOCK
Date

GEORGIA REGISTERED No. 56000174 STRUCTURAL ENGINEER HOLLY C JEFFREYS

Building Official's Acceptance:

Signature Date
Permit Number:

Frequency of interim report submittals to the Building Official:

__Monthly __Bi- Monthly __Upon Completion Other; specify:_____

Special Inspections for Wind Resistance

See the Schedule of Special Inspections for inspection and testing requirements

Allowable Stress Design Wind Speed, V_{asd}: 83 m.p.h.

Wind Exposure Category: B

Statement of Special Inspection for Wind Resistance Required (Yes/No): No
(Required in wind exposure Category B, where the allowable stress design wind speed, V_{asd}, is 120 miles per hour or greater. Required in wind exposure Category C or D, where the allowable stress design wind speed, V_{asd}, is 110 miles per hour or greater.)

Description of structural wood and cold-formed steel light frame construction main windforce-resisting system subject to special inspections for wind resistance:
(Required for systems noted in IBC Section 1705.11.1 and 1705.11.2).

N/A

Description of windforce-resisting components subject to special inspections for wind resistance:
(Required for systems and components noted in IBC Section 1705.11.3)

N/A

Statement of Responsibility:
Each contractor responsible for the construction or fabrication of a system or component described above must submit a Statement of Responsibility.

Special Inspections for Seismic Resistance

See the Schedule of Special Inspections for inspection and testing requirements

Seismic Design Category: C

Statement of Special Inspection for Seismic Resistance Required (Yes/No): No

Description of seismic force-resisting system subject to special inspection and testing for seismic resistance:
(Where required per IBC Sections 1705.12.1, 1705.12.2, and 1705.12.3) (Special inspections for seismic resistance of structural steel, where required, shall be in accordance with AISC 341)

ORDINARY REINFORCED MASONRY SHEAR WALLS

Description of designated seismic systems subject to special inspection and testing for seismic resistance:
(Required for architectural, electrical and mechanical systems and their components that require design in accordance with Chapter 13 of ASCE 7, have a component importance factor, *Ip*, greater than one and are in Seismic Design Categories C, D, E or F.)

N/A

Description of additional seismic systems and components requiring special inspections:
(Required for systems noted in IBC Section 1705.12.5, 1705.12.6, 1705.12.7, and 1705.12.8.)

N/A

Description of additional seismic systems and components requiring testing:
(Where required per IBC Section 1705.13)

Statement of Responsibility:
Each contractor responsible for the construction or fabrication of a system or component described above must submit a Statement of Responsibility.

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PROJECT NUMBER
2022-313

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SHEET TITLE
SPECIAL INSPECTIONS

SHEET NO.
S-004

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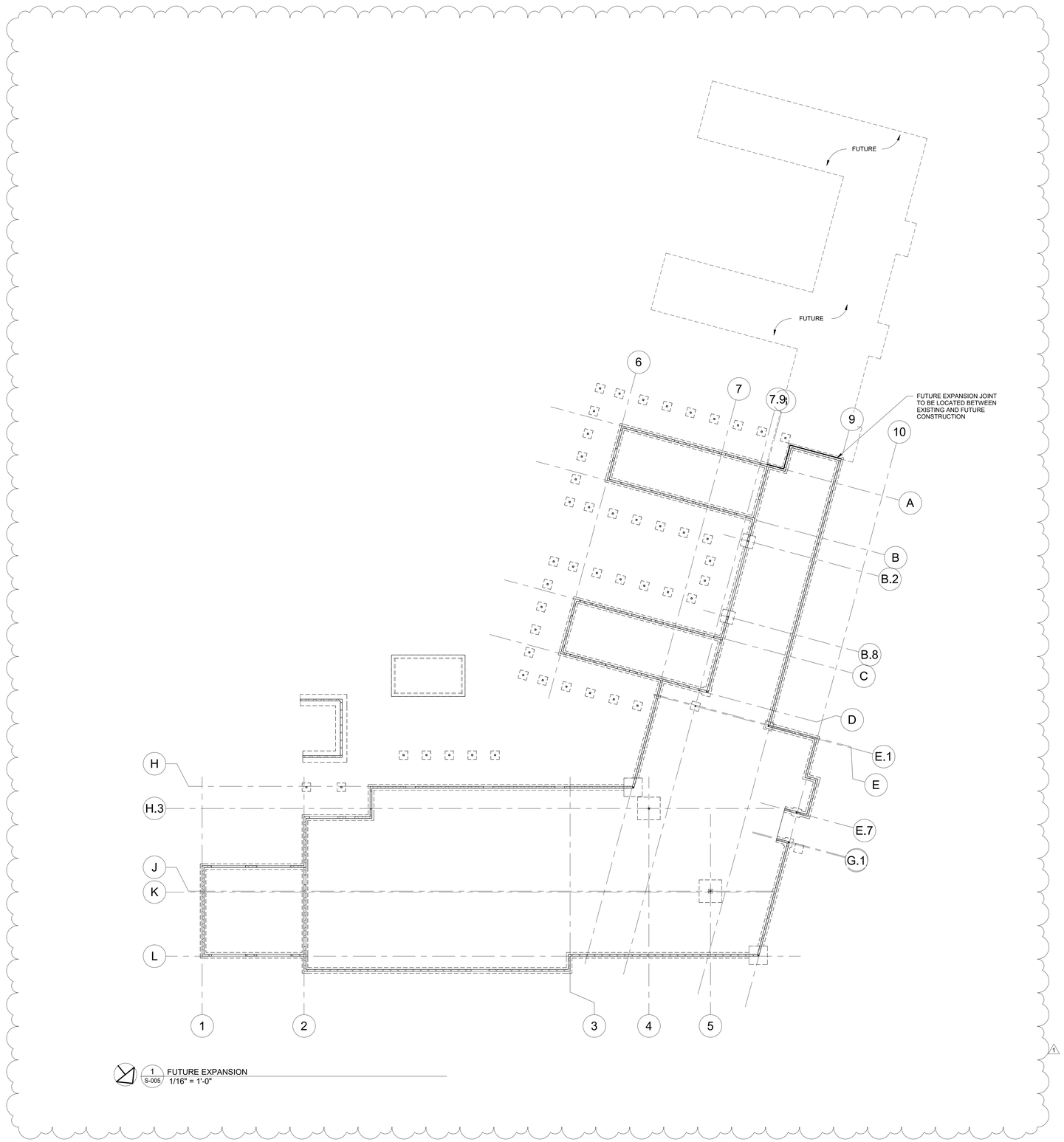

1 S-005 FUTURE EXPANSION
1/16" = 1'-0"

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FUTURE EXPANSION

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S-005

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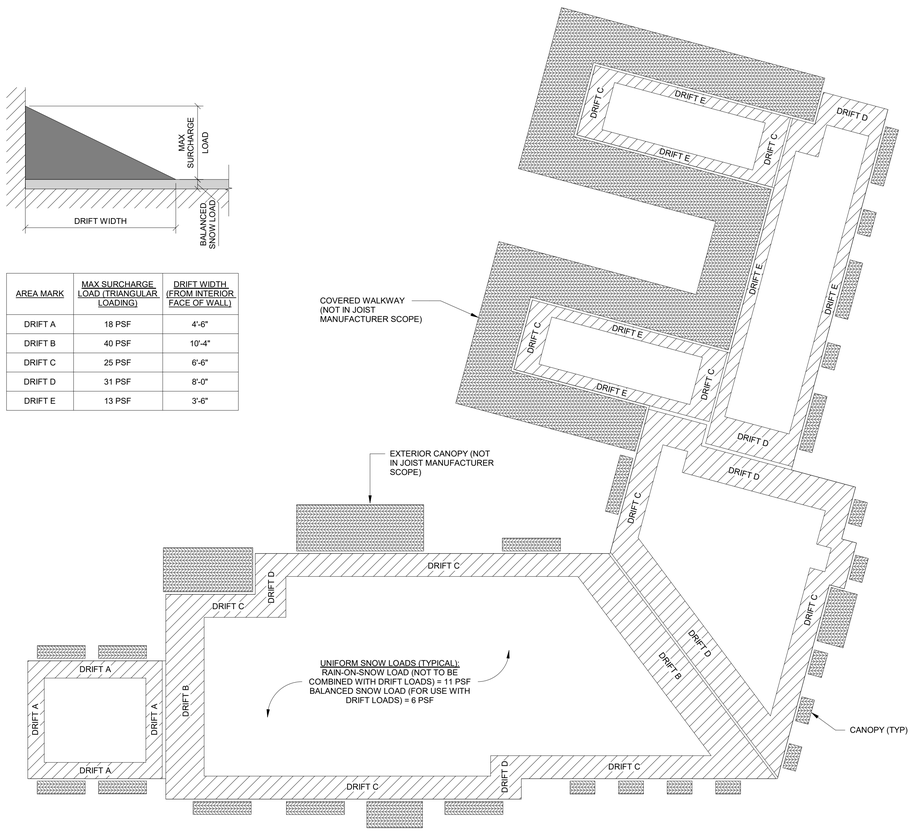
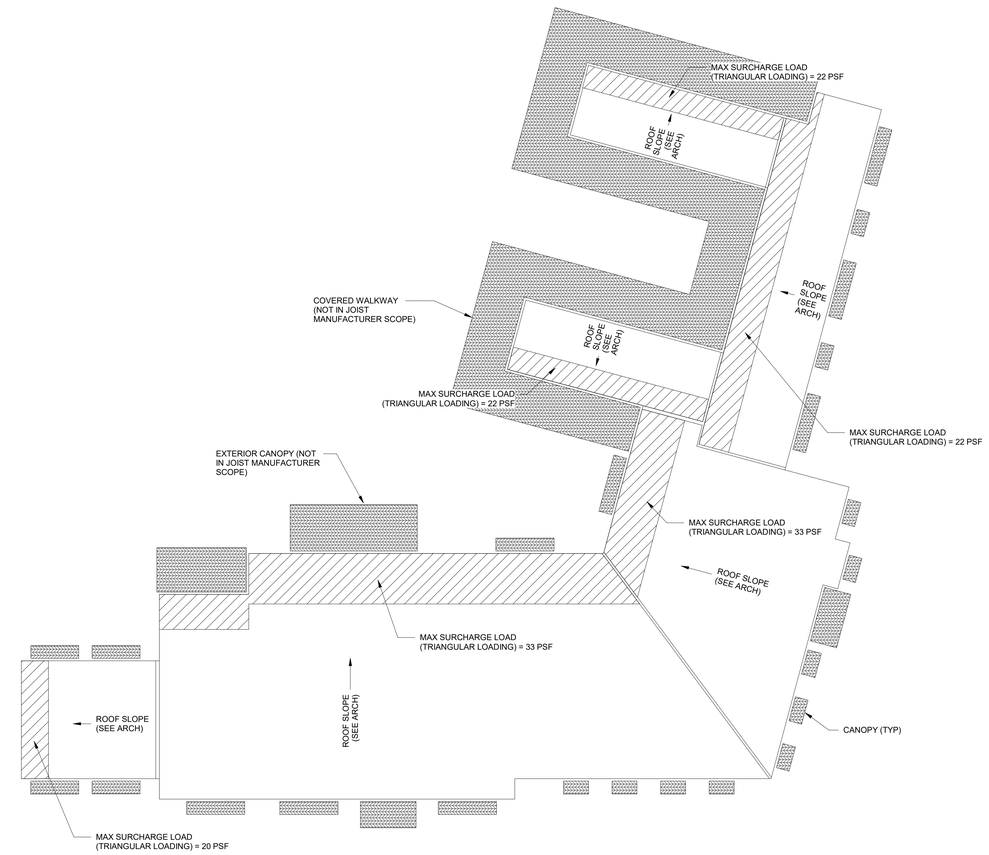
0 1/2" 1" 2" 3"



AREA MARK	MAX SURCHARGE LOAD (TRIANGULAR LOADING)	DRIFT WIDTH (FROM INTERIOR FACE OF WALL)
DRIFT A	18 PSF	4'-6"
DRIFT B	40 PSF	10'-4"
DRIFT C	25 PSF	6'-6"
DRIFT D	31 PSF	8'-0"
DRIFT E	13 PSF	3'-6"

2 S-006 SNOW LOADING ON JOISTS DIAGRAM
1/16" = 1'-0"



1 S-006 RAIN LOADING ON JOISTS DIAGRAM
1/16" = 1'-0"

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SHEET TITLE
JOIST LOADING DIAGRAMS

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S-006

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NOTES:
1. SEE S-001 FOR STRUCTURAL GENERAL NOTES.
2. SEE ARCH FOR ADDITIONAL INFORMATION AND DIMENSIONS.
3. ⌀ INDICATES STEP IN FOOTING. SEE 19/S-301
4. Fx INDICATES COLUMN FOOTING. SEE 1/S-301 T/FTG = -1'-4" UNO, BASED ON T/SLAB REFERENCE ELEVATION = 0'-0" (1411.60).
5. BPx INDICATES COLUMN BASE PLATE. SEE 1/S-501.
6. PROVIDE 4" SLAB ON GRADE REINFORCED WITH WWF 6x6 W2.9xW2.9 ON VAPOR BARRIER AND 4" GRANULAR BASE.
7. C.J. INDICATES SLAB CONTROL JOINT. SEE 7/S-301, SPECIFICATIONS, AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
8. PROVIDE ISOLATION JOINT AT COLUMN. SEE 11/S-301
9. PROVIDE REINFORCEMENT AT RE-ENTRANT CORNERS. SEE 8/S-301. AT CMU WALL OPENINGS, SEE 16/S-301.
10. INDICATES SLAB DEPRESSION. SEE12/S-301 SEE ARCH FOR DIMENSIONS, EXTENTS, AND ANY REQUIRED SLOPE.
11. INDICATES 8" MASONRY WALL REINFORCED W/ #5@32" O.C. SEE DETAIL 3/S-401. ALL LOAD BEARING MASONRY WALLS ARE STRUCTURAL SHEAR WALLS.
12. SEE 1/S-401 FOR REINFORCING REQUIREMENTS AT ALL CMU WALL INTERSECTIONS, CORNERS, JAMBS, AND CONTROL JOINTS.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL UTILITY AND PLUMBING LINES. SEE 13/S-301.
14. PROVIDE THICKENED SLAB AT ALL MASONRY PARTITION WALLS, SEE 14/S-301 COORDINATE LOCATION OF MASONRY PARTITION WALLS WITH ARCH.
15. PROVIDE 8" SLAB ON GRADE REINFORCED WITH #4@18" O.C. E.W. AND 4" GRANULAR BASE.
16. SEE 2/S-401 FOR TYPICAL MASONRY LINTEL SCHEDULE.
17. Px INDICATES COLUMN PEDESTAL SEE 2/S-302 . T/PED = -1'-4" UNO, BASED ON T/SLAB ELEVATION = 0'-0".
18. PRE-ENGINEERED METAL BUILDING (BY OTHERS) ALLOWABLE DESIGN REACTIONS HAVE BEEN ASSUMED FOR FOUNDATION DESIGN, AND ARE PRELIMINARY. REACTIONS WILL NEED TO BE VERIFIED WITH THE PRE-ENGINEERED BUILDING MANUFACTURER PRIOR TO CONSTRUCTION. LOADS ASSUMED:
    GRAVITY = 0.30 KLF
    UPLIFT = 0.15 KLF
    SHEAR = 0.15 KLF

1 / S-101 FOUNDATION PLAN
1/8" = 1'-0"

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FOUNDATION PLAN

SHEET NO.
S-101

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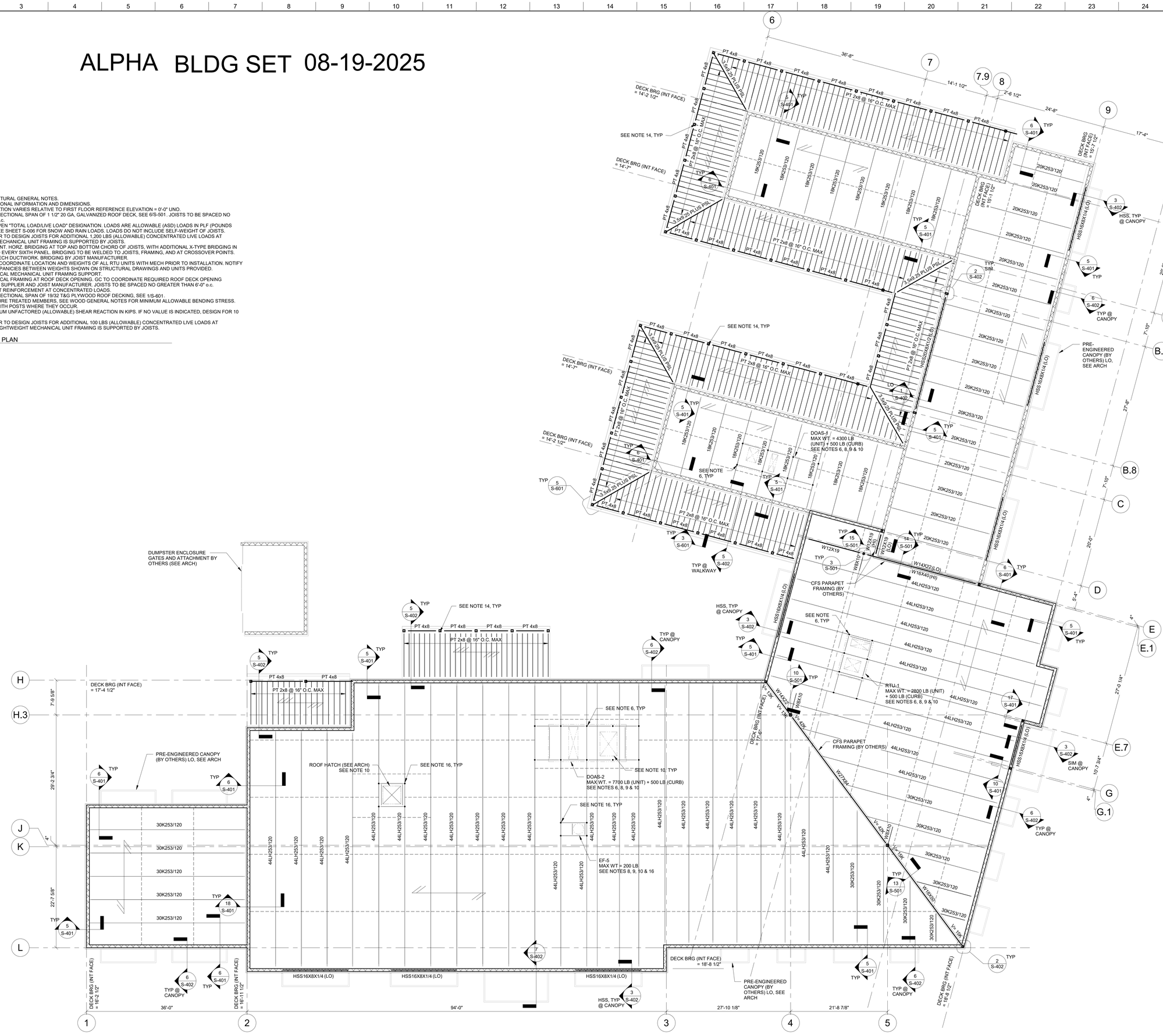
NOTES:
1. SEE S-001 FOR STRUCTURAL GENERAL NOTES.
2. SEE ARCH FOR ADDITIONAL INFORMATION AND DIMENSIONS.
3. DECK BEARING ELEVATION VARIES RELATIVE TO FIRST FLOOR REFERENCE ELEVATION = 0'-0" UNO.
4. ←——→ INDICATES DIRECTIONAL SPAN OF 1 1/2" 20 GA, GALVANIZED ROOF DECK, SEE 6/S-501. JOISTS TO BE SPACED NO GREATER THAN 6'-0" o.c.
5. STEEL JOISTS ARE GIVEN "TOTAL LOAD/LIVE LOAD" DESIGNATION. LOADS ARE ALLOWABLE (ASD) LOADS IN PLF (POUNDS PER LINEAR FOOT). SEE SHEET S-006 FOR SNOW AND RAIN LOADS. LOADS DO NOT INCLUDE SELF-WEIGHT OF JOISTS.
6. JOIST MANUFACTURER TO DESIGN JOISTS FOR ADDITIONAL 1,200 LBS (ALLOWABLE) CONCENTRATED LIVE LOADS AT LOCATIONS WHERE MECHANICAL UNIT FRAMING IS SUPPORTED BY JOISTS.
7. — — — INDICATES CONT. HORZ. BRIDGING AT TOP AND BOTTOM CHORD OF JOISTS, WITH ADDITIONAL X-TYPE BRIDGING IN THE FIRST PANEL AND EVERY SIXTH PANEL. BRIDGING TO BE WELDED TO JOISTS, FRAMING, AND AT CROSSOVER POINTS. COORDINATE WITH MECH DUCTWORK. BRIDGING BY JOIST MANUFACTURER.
8. CONTRACTOR SHALL COORDINATE LOCATION AND WEIGHTS OF ALL RTU UNITS WITH MECH PRIOR TO INSTALLATION. NOTIFY SEOR OF ANY DISCREPANICIES BETWEEN WEIGHTS SHOWN ON STRUCTURAL DRAWINGS AND UNITS PROVIDED.
9. SEE 12/S-501 FOR TYPICAL MECHANICAL UNIT FRAMING SUPPORT.
10. SEE 11/S-501 FOR TYPICAL FRAMING AT ROOF DECK OPENING. GC TO COORDINATE REQUIRED ROOF DECK OPENING LOCATIONS WITH RTU SUPPLIER AND JOIST MANUFACTURER. JOISTS TO BE SPACED NO GREATER THAN 6'-0" o.c.
11. SEE 9/S-501 FOR JOIST REINFORCEMENT AT CONCENTRATED LOADS.
12. ←——→ INDICATES DIRECTIONAL SPAN OF 19/32 T&G PLYWOOD ROOF DECKING, SEE 1/S-601.
13. PT INDICATES PRESSURE TREATED MEMBERS. SEE WOOD GENERAL NOTES FOR MINIMUM ALLOWABLE BENDING STRESS.
14. ALIGN 2X MEMBERS WITH POSTS WHERE THEY OCCUR.
15. V=x INDICATES MAXIMUM UNFACTORED (ALLOWABLE) SHEAR REACTION IN KIPS. IF NO VALUE IS INDICATED, DESIGN FOR 10 KIP MINIMUM.
16. JOIST MANUFACTURER TO DESIGN JOISTS FOR ADDITIONAL 100 LBS (ALLOWABLE) CONCENTRATED LIVE LOADS AT LOCATIONS WHERE LIGHTWEIGHT MECHANICAL UNIT FRAMING IS SUPPORTED BY JOISTS.

1 / S-201 ROOF FRAMING PLAN
1/8" = 1'-0"



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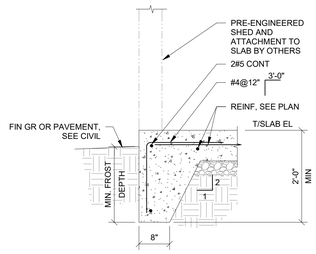
DRAWN: HDK
CHECKED: HJ

SHEET TITLE
ROOF FRAMING PLAN

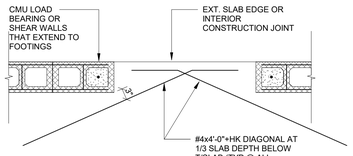
SHEET NO.
S-201

ALPHA BLDG SET 08-19-2025

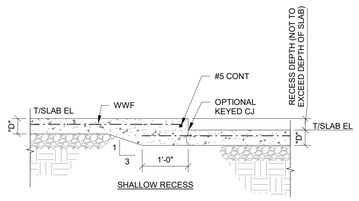
THIS SHEET PLOTS ON 42" X 30"



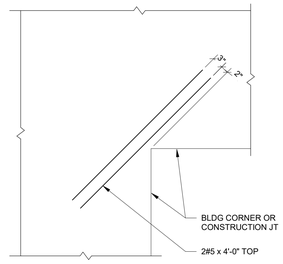
20 S-301 EDGE OF SLAB AT PRE-ENGINEERED METAL BUILDING
3/4" = 1'-0"



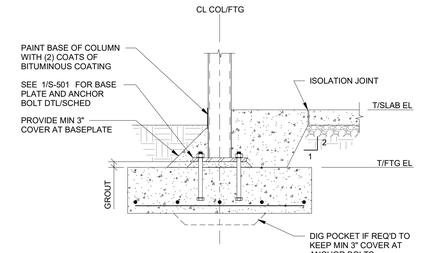
16 S-301 TYPICAL RE-ENTRANT BARS AT CMU WALLS
3/4" = 1'-0"



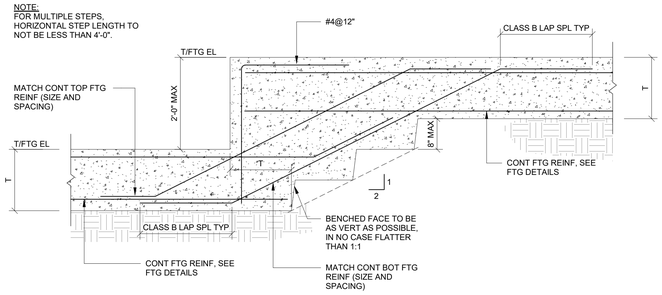
12 S-301 TYPICAL GRADE SUPPORTED SLAB AT RECESS
3/4" = 1'-0"



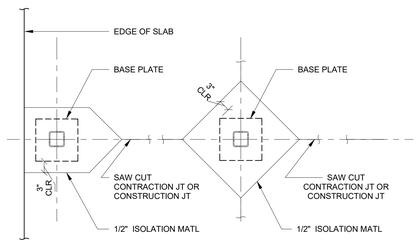
8 S-301 TYPICAL REINFORCEMENT AT SLAB RE-ENTRANT CORNER
3/4" = 1'-0"



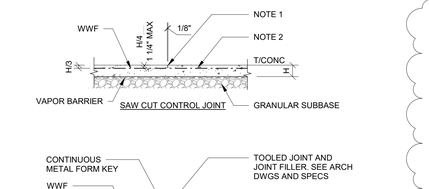
4 S-301 TYPICAL EXTERIOR STEEL COLUMN FOOTING
3/4" = 1'-0"



19 S-301 TYPICAL CONTINUOUS STEPPED FOOTING (DOUBLE REINFORCING)
3/4" = 1'-0"

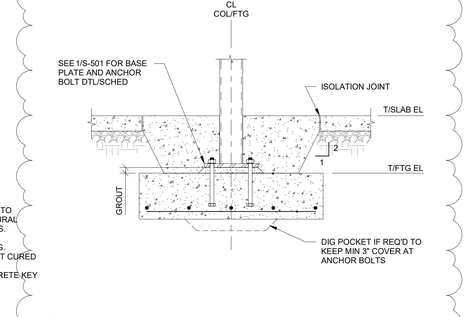


11 S-301 TYPICAL ISOLATION JOINT AT STEEL COLUMNS
3/4" = 1'-0"

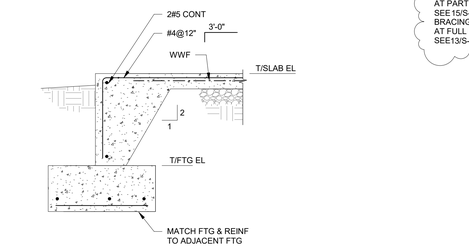


NOTE:
1. SAW CUT SHALL BE MADE SOON ENOUGH TO PREVENT CRACKING, BUT NOT SO SOON AS TO CAUSE SPALLING OF THE CONCRETE WHILE SAWING. FOR JOINT FILLER, SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. FOR JOINT SPACING, SEE STRUCTURAL SPECIFICATIONS.
2. SAW CUT OR DISCONTINUE REINF AT CONSTRUCTION JT.
3. KEYED CONSTRUCTION JOINTS NEED ONLY OCCUR AT EXPOSED EDGES DURING POURING.
4. WHERE REQUIRED FOR SUCCESSFUL INSTALLATION OF FLOOR FINISH SLAB SHALL BE WET CURED AND BE PLACED A MINIMUM OF 90 DAYS PRIOR TO INSTALLATION OF FLOOR FINISHES. AT CONTRACTOR'S OPTION DIAMOND DOWELS MAY BE USED IN LIEU OF CONTINUOUS CONCRETE KEY AT KEYED JOINT.
5. PROVIDE SLAB BOLSTERS A MAX 4'-0" APART FOR WWF SUPPORT

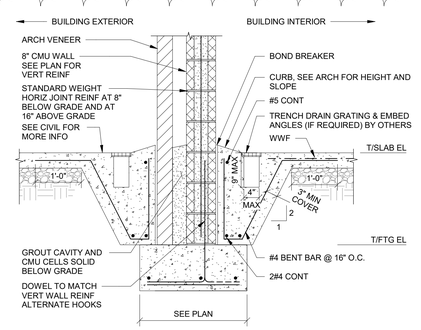
7 S-301 TYPICAL GRADE SUPPORTED SLAB AT JOINTS
3/4" = 1'-0"



3 S-301 TYPICAL INTERIOR STEEL COLUMN FOOTING
3/4" = 1'-0"

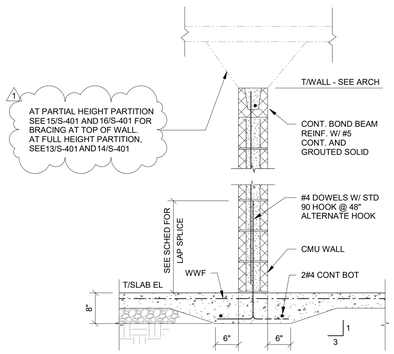


18 S-301 TYPICAL TURNDOWN SLAB AT CMU OPENING
3/4" = 1'-0"



NOTES:
1) VERIFY DRAIN DIMENSIONS AND LOCATIONS WITH ARCH AND PLUMBING.
2) VERIFY SLAB SLOPE WITH ARCH DRAWINGS.

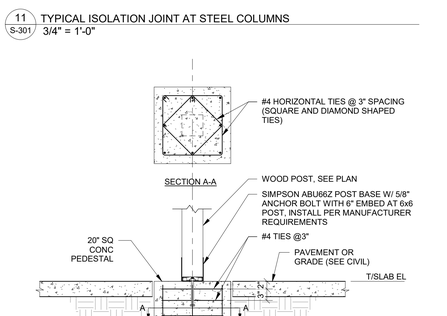
17 S-301 TYPICAL GRADE SUPPORTED SLAB AT KENNEL TRENCH
3/4" = 1'-0"



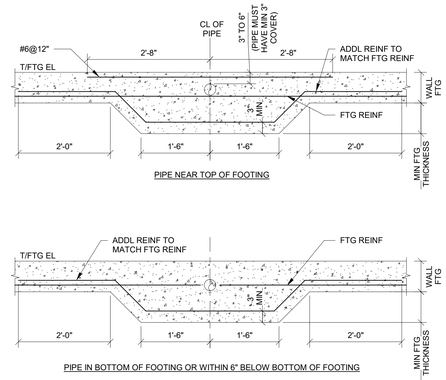
NON-BEARING WALLS

NOTE:
1. COORDINATE LOCATION OF NON-BEARING MASONRY WALLS W/ ARCH.

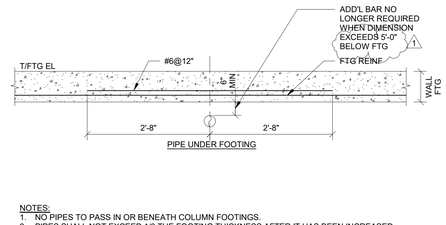
13 S-301 TYPICAL THICKENED FOOTING AT UNDERGROUND PIPING
3/4" = 1'-0"



10 S-301 TYPICAL WOOD COLUMN FOOTING
3/4" = 1'-0"

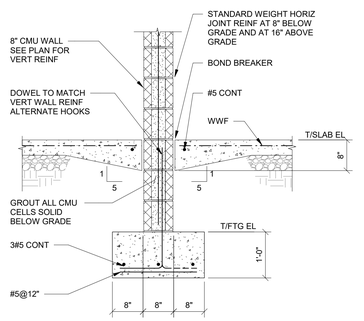


14 S-301 TYPICAL GRADE SUPPORTED SLAB AT CMU PARTITION WALL
3/4" = 1'-0"



NOTES:
1. NO PIPES TO PASS IN OR BENEATH COLUMN FOOTINGS.
2. PIPES SHALL NOT EXCEED 1/3 THE FOOTING THICKNESS AFTER IT HAS BEEN INCREASED.
3. VERIFY PIPE PENETRATION LOCATIONS W/ PLUMBING CONTRACTOR.

6 S-301 TYPICAL EXTERIOR 8" CMU WALL FOOTING - STONE VENEER
3/4" = 1'-0"



2 S-301 TYPICAL EXTERIOR 8" CMU WALL FOOTING - METAL VENEER
3/4" = 1'-0"

5 S-301 TYPICAL INTERIOR 8" CMU WALL FOOTING
3/4" = 1'-0"

FOOTING SCHEDULE			
MARK	SIZE (WxLxT)	REINF	REMARKS
F3.0	3'-0"x3'-0"x12"	4#4 EW	TOP & BOTTOM
F4.5	4'-6"x4'-6"x12"	4#5 EW	TOP & BOTTOM
F6.5	6'-6"x6'-6"x18"	5#6 EW	TOP & BOTTOM
F8.0	8'-0"x8'-0"x30"	6#7 EW	TOP & BOTTOM

1 S-301 FOOTING SCHEDULE
3/4" = 1'-0"

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OWNER

HABERSHAM COUNTY ANIMAL CONTROL

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CONERLIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-07-08	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

DRAWN: HDK
CHECKED: HJ

SHEET TITLE
FOUNDATION DETAILS

SHEET NO.
S-301

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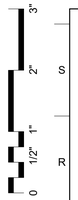
THIS SHEET PLOTS ON 42" X 30"



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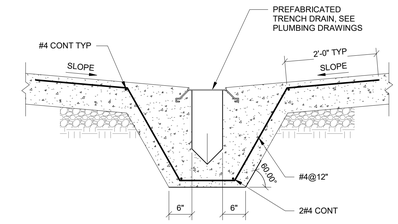
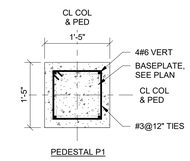


NOTES:
1) SLAB REINF. NOT SHOWN FOR CLARITY.
2) SEE ARCH & PLUMBING FOR ADDITIONAL INFORMATION, INCLUDING DEPTH AND SLOPE.

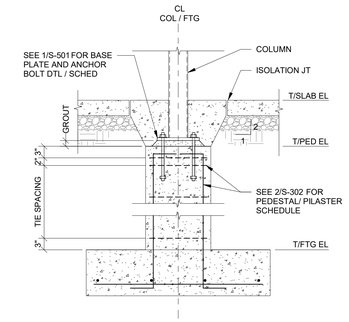
3 / S-302 TYPICAL GRADE SUPPORTED SLAB AT TRENCH
3/4" = 1'-0"

PEDESTAL SCHEDULE				
MARK	SIZE (WxD)	REINFORCEMENT		REMARKS
		VERTICAL	TIES	
P1	17"X17"	4#6	#3@12"	-



PEDESTAL P1

2 / S-302 PEDESTAL SCHEDULE
3/4" = 1'-0"



1 / S-302 TYPICAL INTERIOR COLUMN FOOTING WITH PEDSTAL/PILASTER
3/4" = 1'-0"

ALPHA BLDG SET 08-19-2025

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HABERSHAM COUNTY ANIMAL SHELTER

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No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-07-08	PERMIT SET
ISSUANCE		

PROJECT NUMBER
2022-313

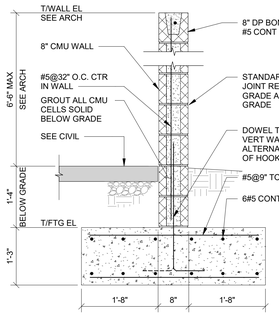
DRAWN: HDK
CHECKED: HJ

SHEET TITLE
FOUNDATION DETAILS

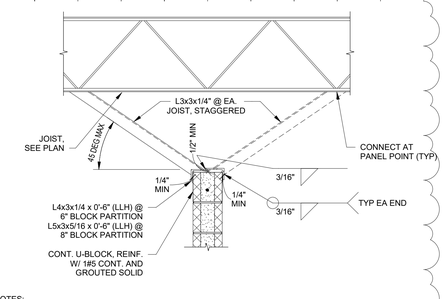
SHEET NO.
S-302

ALPHA BLDG SET 08-19-2025

THIS SHEET PLOTS ON 42" X 30"

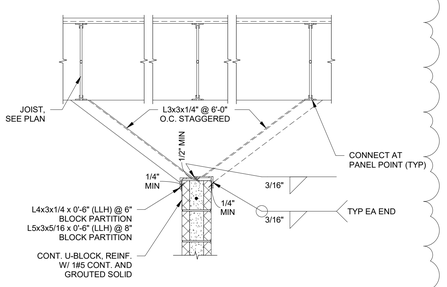


20 S-401 TYPICAL DUMPSTER SCREEN WALL SECTION
3/4" = 1'-0"



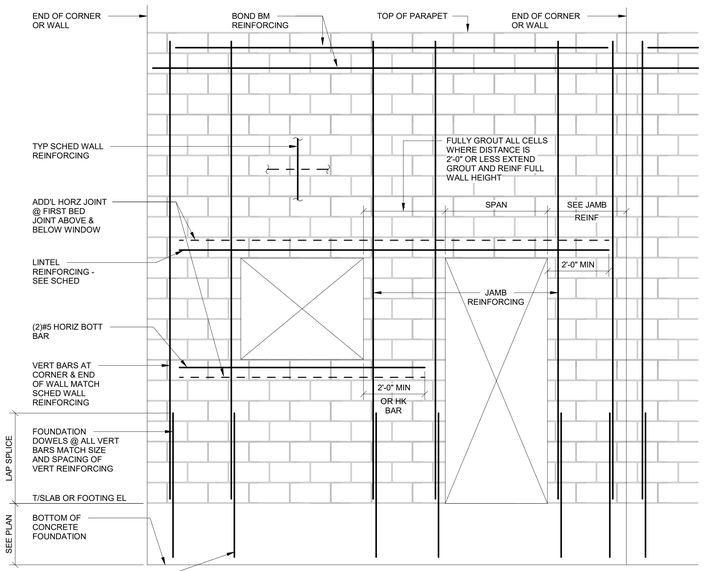
NOTES:
1. PROVIDE CONT. U-BLOCK REINF. W/ 1#5 CONT. GROUTED SOLID AT TOP OF ALL INTERIOR MASONRY PARTITION WALLS.
2. WHERE INTERIOR MASONRY PARTITION WALLS INTERSECT, PROVIDE CORNER BARS IN U-BLOCK.
3. WHERE THE HORIZONTAL UNBRACED LENGTH OF INTERIOR MASONRY PARTITION WALLS IS LESS THAN 10'-0", THE CONT. U-BLOCK AT TOP OF WALL WILL BE SUFFICIENT TO BRACE WALL. FOR HORIZONTAL UNBRACED LENGTHS GREATER THAN 10'-0", PROVIDE DIAGONAL BRACING AS SHOWN IN THIS DETAIL.

16 S-401 TYPICAL BRACING OF PARTIAL HEIGHT INTERIOR NON-LOAD BEARING CMU WALLS (PERPENDICULAR)
3/4" = 1'-0"



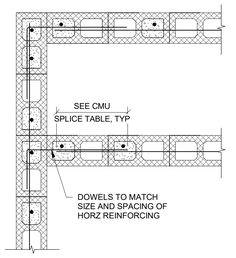
NOTES:
1. PROVIDE CONT. U-BLOCK REINF. W/ 1#5 CONT. GROUTED SOLID AT TOP OF ALL INTERIOR MASONRY PARTITION WALLS.
2. WHERE INTERIOR MASONRY PARTITION WALLS INTERSECT, PROVIDE CORNER BARS IN U-BLOCK.
3. WHERE THE HORIZONTAL UNBRACED LENGTH OF INTERIOR MASONRY PARTITION WALLS IS LESS THAN 10'-0", THE CONT. U-BLOCK AT TOP OF WALL WILL BE SUFFICIENT TO BRACE WALL. FOR HORIZONTAL UNBRACED LENGTHS GREATER THAN 10'-0", PROVIDE DIAGONAL BRACING AS SHOWN IN THIS DETAIL.

15 S-401 TYPICAL BRACING OF PARTIAL HEIGHT INTERIOR NON-LOAD BEARING CMU WALLS (PARALLEL)
3/4" = 1'-0"



NOTES
1. ALL REINFORCING SHOWN IN ADDITION TO SCHEDULED WALL REINFORCEMENT.
2. ALL REINFORCING SHALL BE SOLID GROUTED USING 2500 PSI (SPEC COURSE GROUT).
3. REFER TO PLANS, GENERAL NOTES, AND WALL ELEVATIONS FOR TYPICAL VERTICAL AND HORIZONTAL WALL REINFORCEMENT.
4. SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF CONTROL JOINTS.
5. USE VERT BAR POSITIONERS AT 4 FT.
6. ALL HORIZONTAL REINFORCEMENT SHALL BE PLACED IN BOND BEAM BLOCKS EXCEPT JOINT REINFORCING.
7. HORIZONTAL REINFORCEMENT SHALL BE DISCONTINUOUS THROUGH CONTROL JOINTS EXCEPT BOND BEAMS AT ROOF, FLOORS AND AT MASONRY LINTELS.
8. PROVIDE HORIZONTAL JOINT REINFORCEMENT AT FIRST BED JOINT ABOVE AND BELOW OPENINGS AND EXTEND 1'-0" BEYOND THE OPENING.
9. COORDINATE LOCATION OF SOUND BLOCK IF SPECIFIED WITHIN REINFORCED CMU WALLS WITH ARCHITECTURAL INTERIOR ELEVATION DRAWINGS.

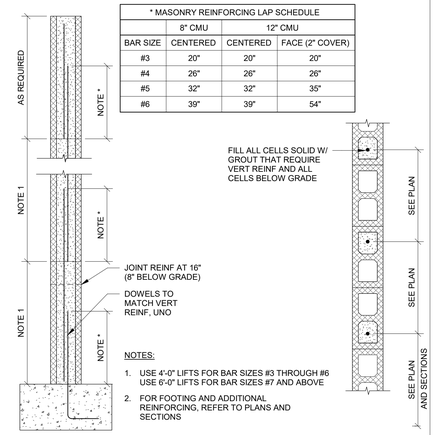
11 S-401 REINFORCEMENT MASONRY WALL ELEVATION
1/2" = 1'-0"



SINGLE LAYER REINFORCING

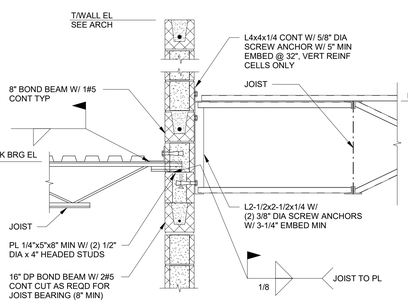
4 S-401 TYPICAL MASONRY BOND BEAM REINFORCING DETAIL
3/4" = 1'-0"

* MASONRY REINFORCING LAP SCHEDULE			
	8" CMU	12" CMU	
BAR SIZE	CENTERED	CENTERED	FACE (2" COVER)
#3	20"	20"	20"
#4	26"	26"	26"
#5	32"	32"	35"
#6	39"	39"	54"



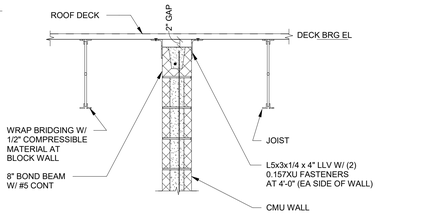
NOTES:
1. USE 4'-0" LIFTS FOR BAR SIZES #3 THROUGH #6 USE 6'-0" LIFTS FOR BAR SIZES #7 AND ABOVE
2. FOR FOOTING AND ADDITIONAL REINFORCING, REFER TO PLANS AND SECTIONS

3 S-401 TYPICAL REINFORCED CMU WALL
3/4" = 1'-0"



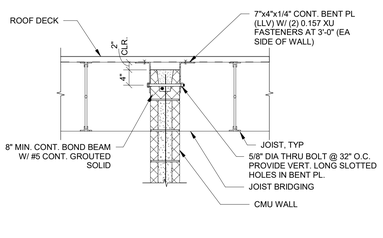
NOTES:
1. VERTICAL REINFORCEMENT NOT SHOWN FOR CLARITY.
2. IF VERTICAL REINFORCEMENT IS CUT AT JOIST BEARING PROVIDE EQUAL VERTICAL REINFORCEMENT IN ADJACENT CELL.

18 S-401 TYPICAL 8" CMU WALL AT JOIST (PERPENDICULAR)
3/4" = 1'-0"



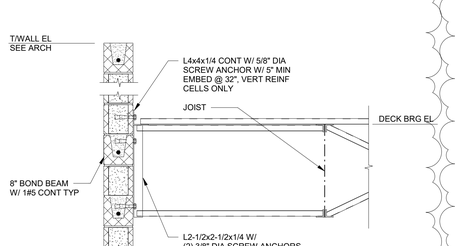
NOTES:
1. PROVIDE CMU WALL BRACING AT TOP OF WALL WHEN DISTANCE BETWEEN INTERSECTING WALLS AT BOTH ENDS EXCEED 22 TIMES THE WALL THICKNESS. LOCATION AND INSTALLATION OF BRACING FOR INTERIOR WALLS SHALL BE PER THE GOVERNING BUILDING CODE AND THE ARCHITECT'S DIRECTION. INTERSECTING WALLS MUST BE ANCHORED OR BONDED TOGETHER.
2. ANGLE BRACING REQUIRED AT EVERY OTHER JOIST.

14 S-401 TYPICAL BRACING OF INTERIOR NON-LOAD BEARING CMU WALL AT ROOF DECK
3/4" = 1'-0"



NOTES:
1. PROVIDE CONT. U-BLOCK REINF. W/ 1#5 CONT. GROUTED SOLID AT TOP OF MASONRY WALLS.
2. WHERE INTERIOR MASONRY WALLS INTERSECT, PROVIDE CORNER BARS IN U-BLOCK.

10 S-401 TYPICAL CMU WALL BRACING AT INTERIOR CMU SHEAR WALL - JOIST PARALLEL
3/4" = 1'-0"



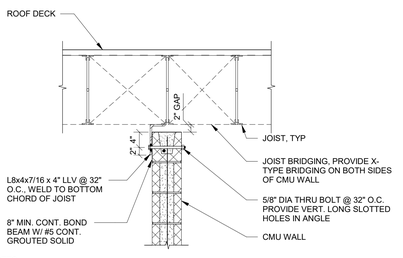
NOTES:
1. VERTICAL REINFORCEMENT NOT SHOWN FOR CLARITY.

6 S-401 TYPICAL 8" CMU WALL AT JOIST (PARALLEL)
3/4" = 1'-0"

STANDARD LINTEL SCHEDULE		
WALL SIZE	LINTEL TYPE	REMARKS
OPENINGS UP TO 6'-0"		
4" BRICK	5/16"x5"xHORZ LEG BENT PL	ARCH TO PROVIDE HORZ DIM.
8" BLOCK	8"x8" U-BLOCK W/ 1#5 T&B	
OPENINGS ABOVE 6'-0" TO 8'-0"		
8" BLOCK	8"x16" U-BLOCK W/ 1#5 T&B	
OPENINGS ABOVE 8'-0" TO 10'-0"		
8" BLOCK	8"x16" U-BLOCK W/ 2#4 T&B	#3 STIR @ 7" CONT
OPENINGS ABOVE 10'-0" TO 12'-0"		
8" BLOCK	8"x16" U-BLOCK W/ 2#5 T&B	#3 STIR @ 7" CONT
OPENINGS ABOVE 12'-0" TO 15'-0"		
8" BLOCK	STEEL LINTEL	SEE PLAN, SEE 4/S-402 FOR BEARING

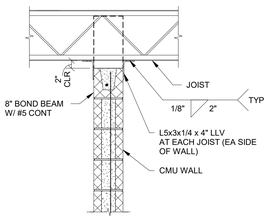
NOTES:
1. ALL STEEL LINTELS TO BE GALVANIZED.
2. PROVIDE MINIMUM OF 8" BEARING FOR BRICK LINTELS.
3. SEE DETAIL11/S-401 FOR MINIMUM BEARING OF BLOCK LINTELS.
4. ALL OPENINGS ARE TO BE SHORED UNTIL THE MASONRY HAS CURED FOR A MINIMUM OF 72 HOURS.
5. SEE DETAIL 4/S-401 FOR BOND BEAM REINFORCING INFORMATION.
6. TOP OF OPENINGS IN CMU WALL NOT TO EXCEED 10'-0" ABOVE FINISHED FLOOR (0'-0"). NOTIFY EOR OF DISCREPANICES.

2 S-401 STANDARD LINTEL SCHEDULE
12" = 1'-0"



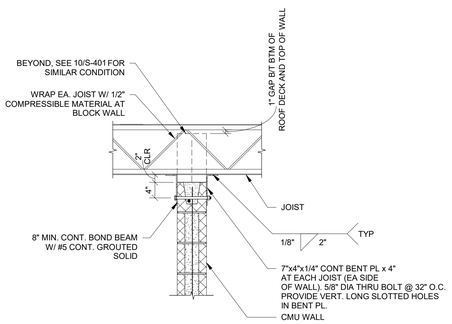
NOTES:
1. PROVIDE CONT. U-BLOCK REINF. W/ 1#5 CONT. GROUTED SOLID AT TOP OF MASONRY WALLS.
2. WHERE INTERIOR MASONRY WALLS INTERSECT, PROVIDE CORNER BARS IN U-BLOCK.

17 S-401 TYPICAL CMU WALL BRACING AT INTERIOR CMU SHEAR WALL - JOIST ABOVE
3/4" = 1'-0"



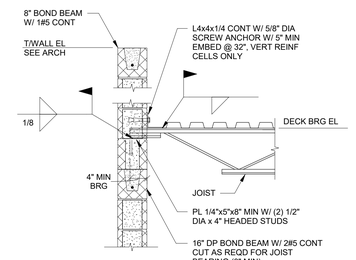
NOTES:
1. PROVIDE CMU WALL BRACING AT TOP OF WALL WHEN DISTANCE BETWEEN INTERSECTING WALLS AT BOTH ENDS EXCEED 22 TIMES THE WALL THICKNESS. LOCATION AND INSTALLATION OF BRACING FOR INTERIOR WALLS SHALL BE PER THE GOVERNING BUILDING CODE AND THE ARCHITECT'S DIRECTION. INTERSECTING WALLS MUST BE ANCHORED OR BONDED TOGETHER.
2. PROVIDE CONT. U-BLOCK REINF. W/ 1#5 CONT. GROUTED SOLID AT TOP OF ALL INTERIOR MASONRY PARTITION WALLS.
3. WHERE INTERIOR MASONRY PARTITION WALLS INTERSECT, PROVIDE CORNER BARS IN U-BLOCK.

13 S-401 TYPICAL BRACING OF INTERIOR NON-LOAD BEARING CMU WALL AT JOIST
3/4" = 1'-0"



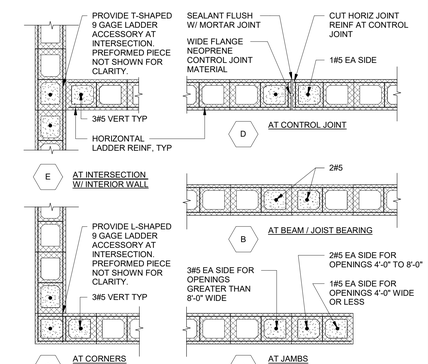
NOTES:
1. PROVIDE CONT. U-BLOCK REINF. W/ 1#5 CONT. GROUTED SOLID AT TOP OF MASONRY WALLS.
2. WHERE INTERIOR MASONRY WALLS INTERSECT, PROVIDE CORNER BARS IN U-BLOCK.

9 S-401 TYPICAL CMU WALL BRACING AT INTERIOR CMU SHEAR WALL - JOIST PERPENDICULAR
3/4" = 1'-0"



NOTES:
1. VERTICAL REINFORCEMENT NOT SHOWN FOR CLARITY.
2. IF VERTICAL REINFORCEMENT IS CUT AT JOIST BEARING PROVIDE EQUAL VERTICAL REINFORCEMENT IN ADJACENT CELL.

5 S-401 TYPICAL 8" CMU WALL AT JOIST (PERPENDICULAR)
3/4" = 1'-0"



NOTES:
1. LAP HORIZONTAL LADDER REINFORCEMENT 12" MINIMUM.
2. ALTERNATE CMU COURSES, TYP.

1 S-401 TYPICAL REINFORCING AT 8" LOAD BEARING CMU WALL
3/4" = 1'-0"

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OWNER

HABERSHAM COUNTY ANIMAL CONTROL

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CONERLIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-07-08	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

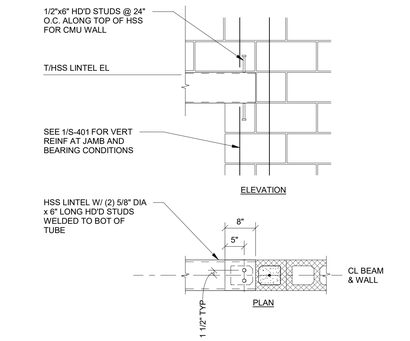
DRAWN: HDK
CHECKED: HJ

SHEET TITLE
MASONRY DETAILS

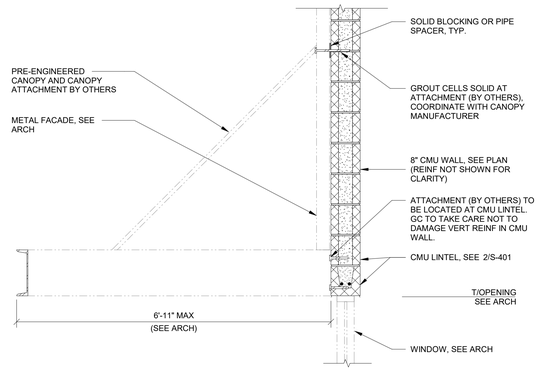
SHEET NO.
S-401

THIS SHEET PLOTS ON 42" X 30"

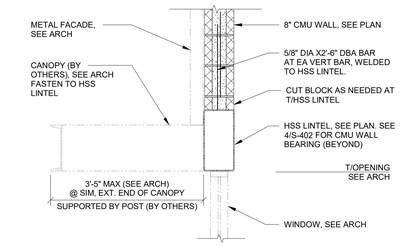
0 1/2" 1" 2" 3"



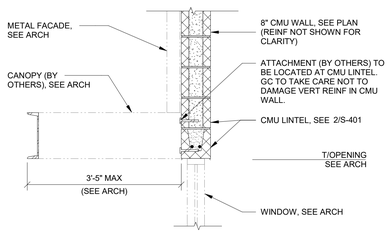
4 S-402 TYPICAL CMU WALL AT HSS LINTEL BEARING
3/4" = 1'-0"



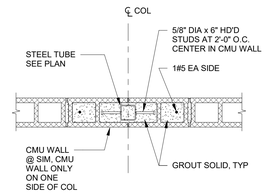
7 S-402 TYPICAL SECTION WITH BRICK AT CANOPY
3/4" = 1'-0"



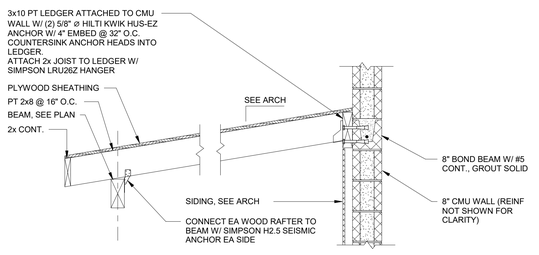
3 S-402 TYPICAL 8" CMU WALL AT CANOPY - HSS LINTEL
3/4" = 1'-0"



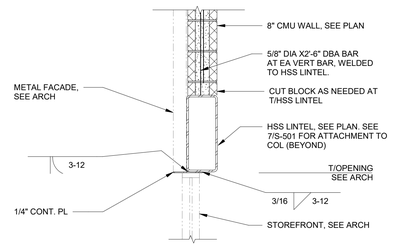
6 S-402 TYPICAL 8" CMU WALL AT CANOPY - CMU LINTEL
3/4" = 1'-0"



2 S-402 TYPICAL COLUMN TO CMU SHEAR WALL
3/4" = 1'-0"



5 S-402 TYPICAL OVERHANG TO CMU WALL
3/4" = 1'-0"



1 S-402 TYPICAL 8" CMU WALL LINTEL AT OPENING - CAT CORRIDOR
3/4" = 1'-0"

ALPHA BLDG SET 08-19-2025

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30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-07-08	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

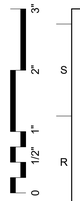
DRAWN: HDK
CHECKED: HJ

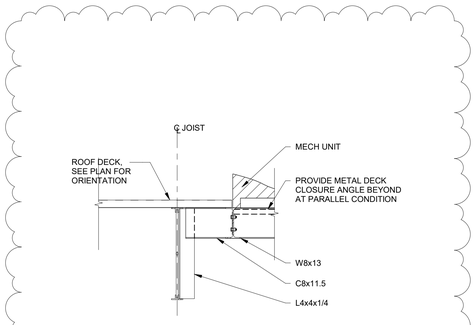
SHEET TITLE
MASONRY DETAILS

SHEET NO.
S-402

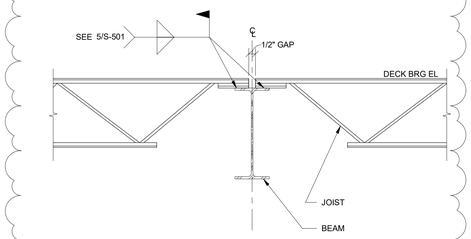
ALPHA BLDG SET 08-19-2025

THIS SHEET PLOTS ON 42" X 30"



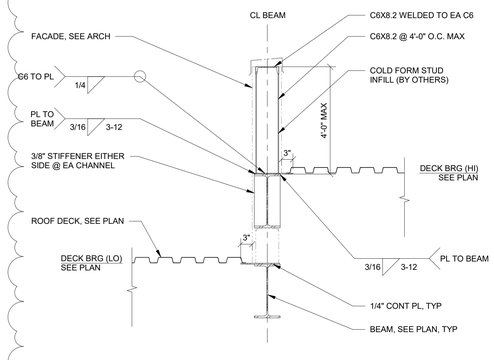


12 S-501 TYPICAL ROOF DECK AT METAL MECHANICAL UNIT SUPPORT
3/4" = 1'-0"

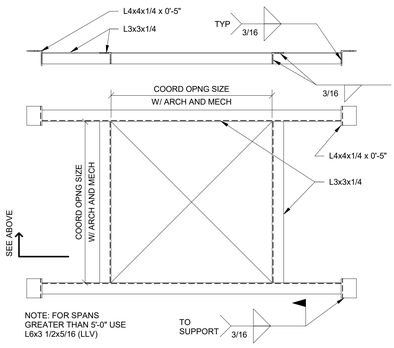


NOTES:
1. WHEN SUPPORT WIDTH DOES NOT MEET MIN SJI JOIST BEARING REQUIRED LAP JOISTS SIDE BY SIDE AT SUPPORT FOR MINIMUM BEARING.
2. WHERE JOISTS ARE 30% LONGER THAN JOISTS ON OPPOSITE SIDE, LAP JOISTS W/ FULL BEAM FLANGE BEARING.

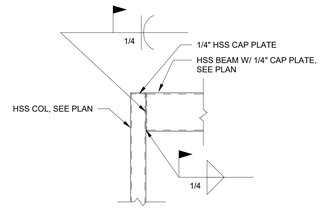
4 S-501 TYPICAL JOIST TO BEAM INTERIOR CONNECTION
3/4" = 1'-0"



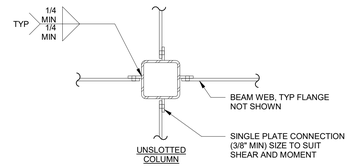
15 S-501 SECTION AT INTERIOR ROOF PARAPET - HI-LO ROOF - PERPENDICULAR
3/4" = 1'-0"



11 S-501 TYPICAL FRAMING AT ROOF DECK OPENING
3/4" = 1'-0"

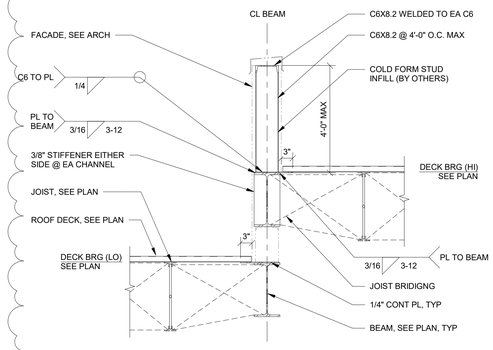


7 S-501 HSS BEAM TO COLUMN CONNECTION
3/4" = 1'-0"

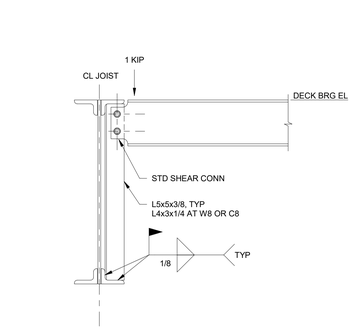


NOTE:
CLOSE COLUMN WITH 1/2" CAP PLATE, TYP

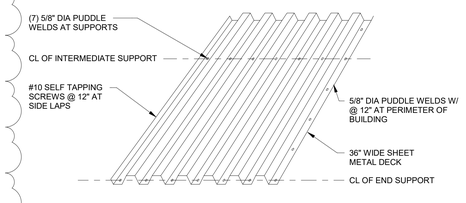
3 S-501 TYPICAL TUBE COLUMN CONNECTIONS
3/4" = 1'-0"



14 S-501 SECTION AT INTERIOR ROOF PARAPET - HI-LO ROOF - PARALLEL
3/4" = 1'-0"

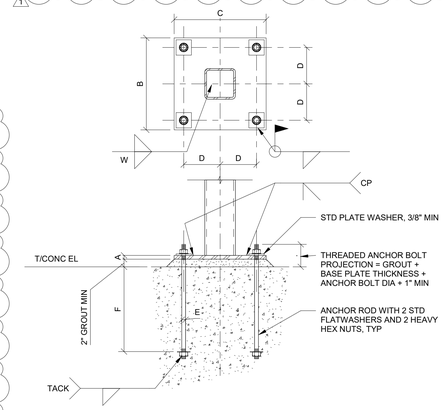


10 S-501 TYPICAL BEAM TO JOIST CONNECTION
3/4" = 1'-0"

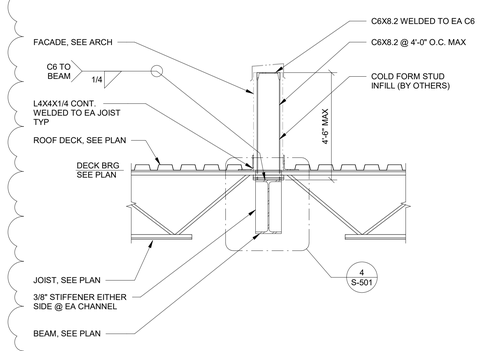


6 S-501 TYPICAL ROOF DECK ATTACHMENT (36" WIDE SHEET)
3/4" = 1'-0"

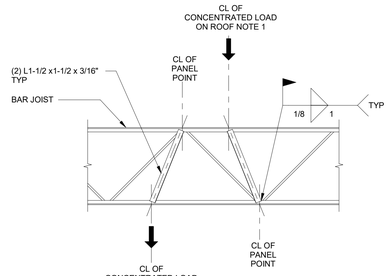
BASE PLATE AND ANCHOR BOLT SCHEDULE								
COLUMN SIZE	BASE PLATE				ANCHOR BOLTS			WELD
	A	B	C	D	E	F	NO	W
BP1	3/4"	10"	10"	3 1/2"	3/4"	9"	4	3/16"
BP2	1"	12"	12"	4"	3/4"	9"	4	3/8"
BP3	1"	11"	11"	4"	3/4"	9"	4	3/8"



1 S-501 TYPICAL BASE PLATE AND ANCHOR BOLT (TUBE)
3/4" = 1'-0"



13 S-501 SECTION AT INTERIOR ROOF PARAPET
3/4" = 1'-0"



NOTES:
1. CONCENTRATED LOAD GREATER THAN 100 LBS BUT NOT TO EXCEED 300 LBS. MAX OF 2 LOADS TOTAL PER JOIST.
2. ANGLES ARE NOT REQUIRED WHERE CONCENTRATED LOAD IS WITHIN 6" OF PANEL POINT.

9 S-501 TYPICAL JOIST REINFORCEMENT (CONCENTRATED LOAD)
3/4" = 1'-0"

TYPICAL JOIST TO SUPPORT MINIMUM WELD SCHEDULE			
JOIST SECTION	MINIMUM FILLET WELD AT EACH SIDE OF JOIST SEAT		REMARKS
	SIZE	LENGTH	
K1-12	1/8"	2 1/2"	
LH02-06	3/16"	2 1/2"	
LH07-17	1/4"	2 1/2"	
DLH10-17	1/4"	2 1/2"	
DLH18-25/JG	1/4"	4"	

NOTES:
1. JOIST SECTION IS THE LAST DIGIT(S) OF JOIST DESIGNATION.
2. WELDS ARE SJI MINIMUM. JOIST DESIGNER TO CONFIRM WELDS ARE ADEQUATE FOR UPLIFT LOADS.

5 S-501 TYPICAL JOIST TO SUPPORT MINIMUM WELD SCHEDULE
12" = 1'-0"

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CONERLIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-07-08	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

DRAWN: HDK
CHECKED: HJ

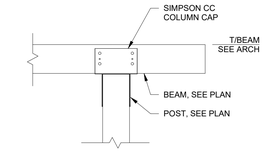
SHEET TITLE
FRAMING DETAILS

SHEET NO.
S-501

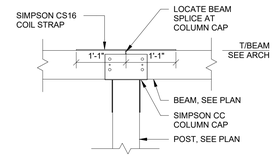
THIS SHEET PLOTS ON 42" X 30"

0 1/2" 1" 2" 3"

ALPHA BLDG SET 08-19-2025

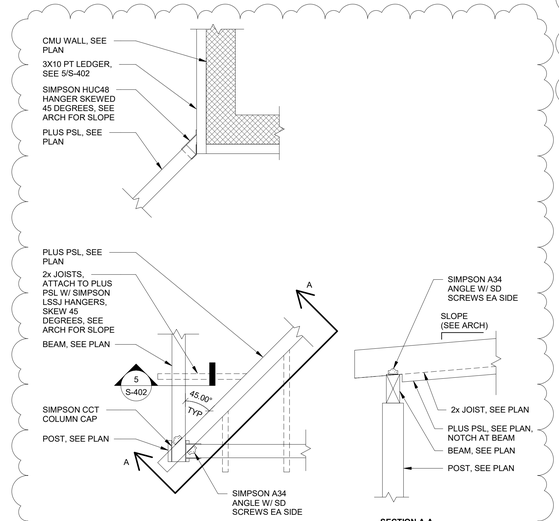


BEAM OVERHANG AT POST



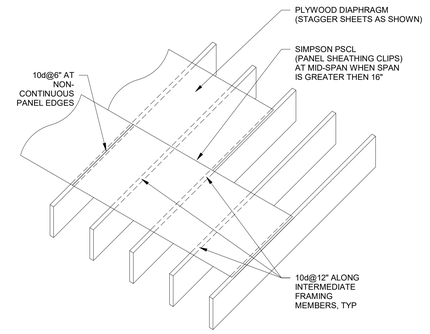
TYPICAL BEAM TO POST

3 S-601 TYPICAL BEAM TO POST DETAIL
3/4" = 1'-0"



SECTION A-A

5 S-601 PLAN DETAIL AT PSL BEAM TO POST AND WALL
3/4" = 1'-0"



1 S-601 TYPICAL ROOF DIAPHRAGM ON JOIST DETAIL
3/4" = 1'-0"

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30531

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1	2025-03-07	VE CHANGES
0	2024-07-08	PERMIT SET
	ISSUANCE	

PROJECT NUMBER
2022-313

DRAWN: HDK
CHECKED: HJ

SHEET TITLE
WOOD FRAMING DETAILS

SHEET NO.
S-601

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THIS SHEET PLOTS ON 42" X 30"

3" 2" 1" 1/2" 0

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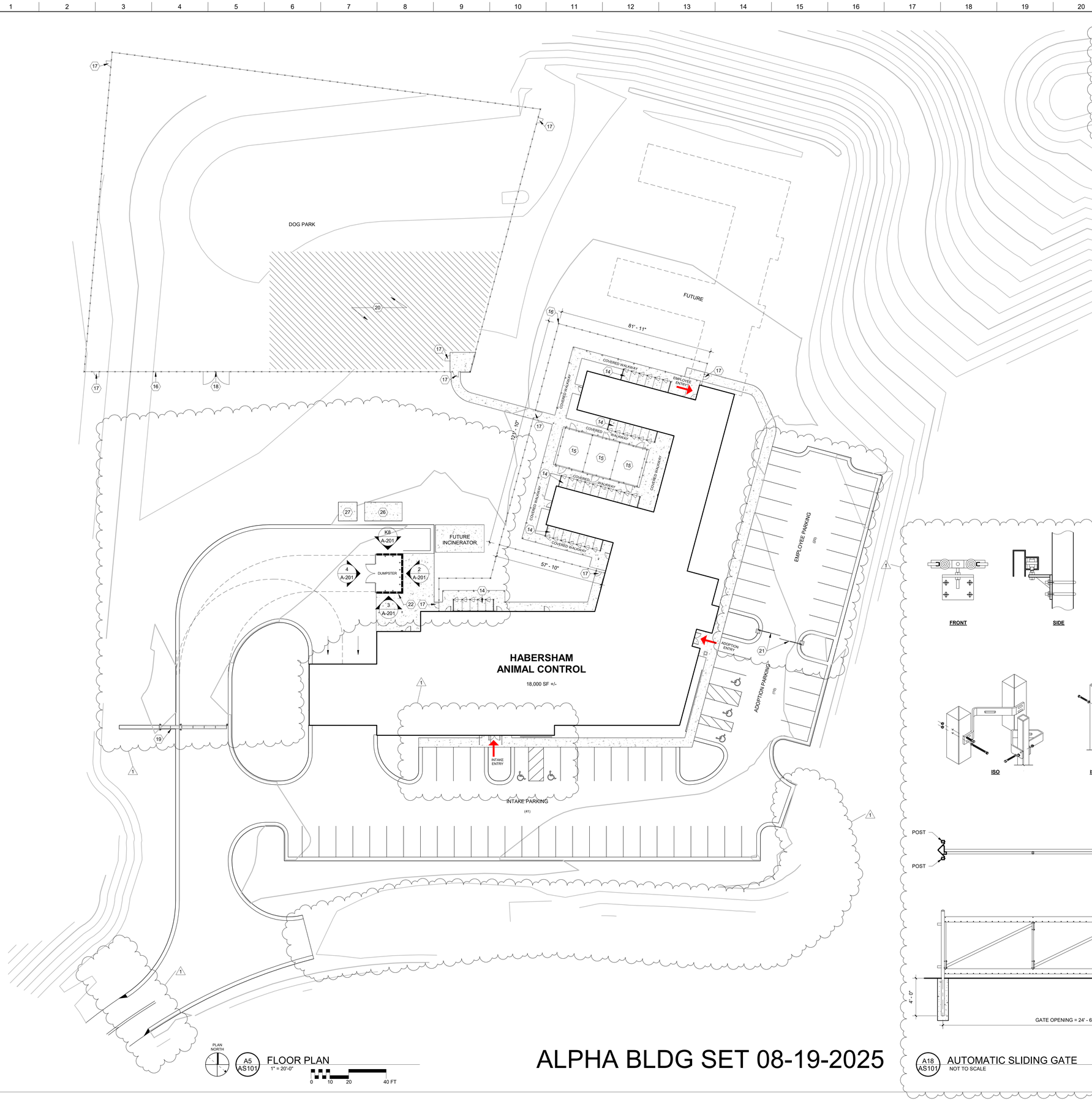


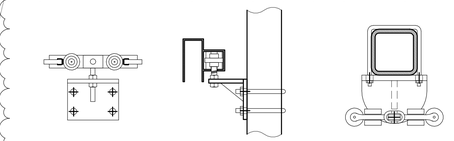
PLAN NORTH

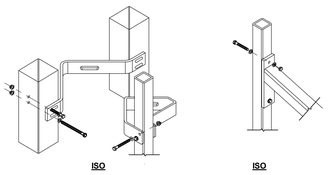
A5 / AS101 FLOOR PLAN
1" = 20'-0"

0 10 20 40 FT

ARCHITECTURAL KEYNOTES LEGEND

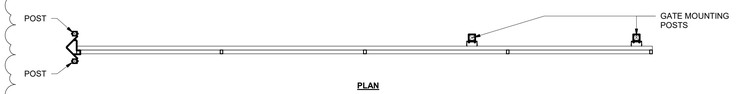
X	TAG DESCRIPTION
14	DOG YARD(S) WITH 6'-0" BLACK VINYL COATED CHAINLINK FENCE.
15	DOG BONDING YARD(S) WITH 6'-0" BLACK VINYL COATED CHAINLINK FENCE.
17	4'-0" GATE. SEE CIVIL.
18	8'-0" DOUBLE GATE. SEE CIVIL.
19	SLIDING GATE. SEE CIVIL.
20	GRADING OF 25% OF DOG PARK. REFER TO CIVIL DRAWINGS.
21	PARKING ARM BARRIER & PEDESTAL.
22	DUMPSTER ENCLOSURE W/ PAINTED CMU BLOCK ON 3 SIDES & FRONT ACCESS GATE. SEE CIVIL & STRUCTURAL FOR ENCLOSURE DETAILS. SEE A-201 FOR ENCLOSURE ELEVATIONS & MATERIALS.
26	GENERATOR LOCATION, SEE ELECTRICAL.
27	TRANSFORMER LOCATION, SEE ELECTRICAL.



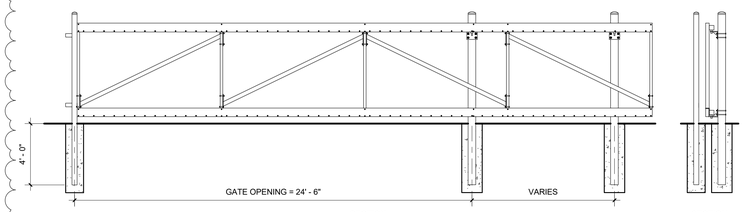


NOTES:

1. BASIS OF DESIGN: AMERISTAR TRANSPORT IS GAUNTLET CANTILEVER GATE.
2. REFER TO ELECTRICAL PLANS FOR INFORMATION REGARDING POWER.
3. REFER TO ELECTRICAL PLANS REGARDING CARD READER REQUIREMENTS.
4. PROVIDE A HYSECURITY MODEL SLIDE DRIVER 40 OR APPROVED EQUAL.
5. PROVIDE A SIREN OPERATED SENSOR.
6. LOOPS SHALL BE PREFORMED FOR SAW CUTTING INTO ASPHALT PAVEMENT. LOOPS SHALL BE LOCATED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. SEAL PAVEMENT JOINTS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
7. SLIDING GATE SHALL MEET ALL REQUIREMENTS OF ASTM F2200 AND UL 325.
8. LOCATE AND INSTALL PHOTO EYES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.



PLAN



SECTION SECTION

A18 / AS101 AUTOMATIC SLIDING GATE
NOT TO SCALE

ALPHA BLDG SET 08-19-2025

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STATE OF GEORGIA
ALLISON L. HARDY
CERTIFICATE NO. 035257
REGISTERED ARCHITECT
03/07/2025

OWNER

HABERSHAM COUNTY ANIMAL CONTROL
130 JACOBS WAY, SUITE 302
CLARKSVILLE, GA
30523

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CORNELIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-06-10	PERMIT SET
		ISSUANCE

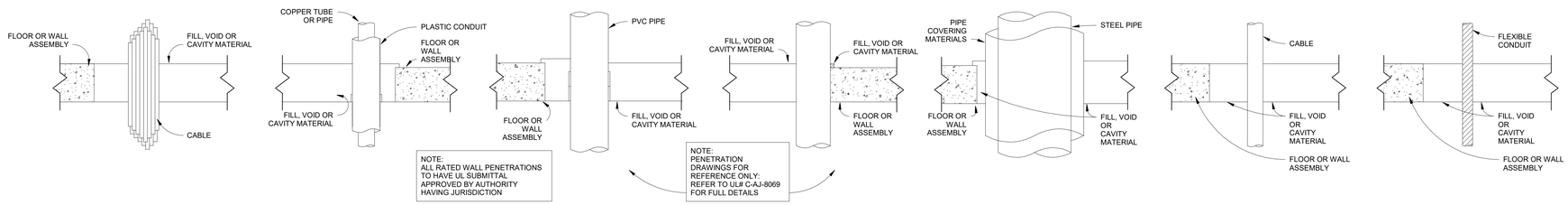
PROJECT NUMBER
2022-313

DRAWN: SLA
CHECKED: OH

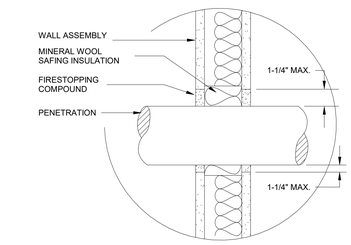
SHEET TITLE
ARCHITECTURAL SITE PLAN

SHEET NO.
AS101

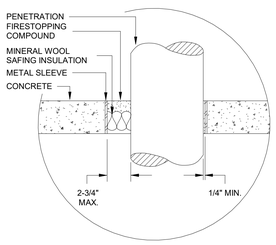
THIS SHEET PLOTS ON 42" X 30"



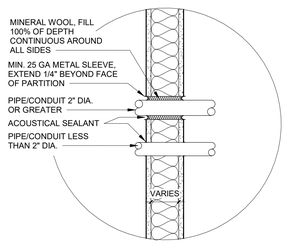
Q1 / A-001 THROUGH-PENETRATION FIRESTOP - UL# C-AJ-8096
1 1/2" = 1'-0"



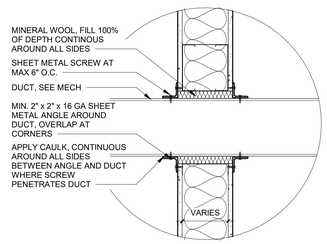
M1 / A-001 FIRESTOP WALL PENETRATION DETAIL
1 1/2" = 1'-0"



M5 / A-001 FIRE STOP FLOOR-WALL PENETRATION
1 1/2" = 1'-0"



M9 / A-001 SOUND WALL PENETRATION
1 1/2" = 1'-0"

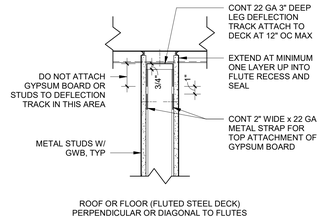


M13 / A-001 DUCT SOUND WALL PENETRATION
1 1/2" = 1'-0"

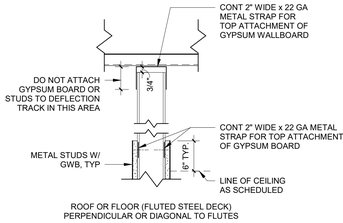
NOTE:
DETAILS ARE FOR REFERENCE AS MINIMUM REQUIREMENTS. APPROPRIATE PRODUCT AND DETAILS TO BE SUBMITTED FOR EACH CONDITION AND APPROVED PRIOR TO INSTALLATION. COORDINATE THIS WORK WITH TRADES AND REVIEW WITH AUTHORITY HAVING JURISDICTION PRIOR TO INSPECTIONS.

GENERAL PARTITION NOTES:

1. "LINE OF STRUCTURE" INDICATED FOR EACH PARTITION IS DIAGRAMMATIC ONLY AND DOES NOT INDICATE EXACT CONSTRUCTION CONDITIONS OR GEOMETRY.
2. ALL DIMENSIONS ARE FROM FACE OF STUD/CMU TO FACE OF STUD/CMU OR COLUMN CENTERLINE. REFER TO PARTITION TYPE FOR PARTITION WIDTH DIMENSIONS UNLESS NOTED OTHERWISE.
3. CAULK:
   A. FIRE RESISTANCE RATED PARTITIONS SHALL HAVE UL APPROVED RATED FIRE / SMOKE RESISTANT FILL MATERIAL/ CAULK IN CONJUNCTION WITH AN APPROPRIATE RATED FIRE / SMOKE FIRE STOPPING SYSTEM
   B. NON-RATED PARTITIONS AND NON-RATED SMOKE RESISTANT PARTITIONS SHALL HAVE ACOUSTICAL CAULK.
   C. ALL BOTTOM WALL TRACKS TO BE SET IN STRIP OF ACOUSTICAL CAULK WITH STC OF >38.
4. INSULATION:
   A. FIRE RESISTANCE RATED PARTITIONS SHALL USE MINERAL WOOL INSULATION.
   B. PARTITIONS REQUIRING SOUND ATTENUATION SHALL USE SOUND ATTENUATION BLANKETS (SAB) WHERE DESIGNATED "S" AFTER PARTITION IN PARTITION TYPE.
   C. FOR PARTITIONS INDICATED TO RECEIVE SOUND ATTENUATION BLANKETS (SAB), EXTEND SAB TO FULL HEIGHT OF PARTITION UNLESS OTHERWISE INDICATED.
5. REFER TO SPECIFICATIONS FOR MINIMUM STUD GAUGE, MAXIMUM SPACING AND ALLOWABLE LIMITING HEIGHTS DEFLECTION CRITERIA FOR GYPSUM BOARD.
6. FIRE RESISTANT AND FIRE RESISTANT SMOKE RATINGS ARE TO SURROUND ALL OPENINGS IN RATED PARTITIONS.
7. SMOKE RESISTANT, FIRE RESISTANT, AND FIRE RESISTANT SMOKE BARRIER PARTITIONS SHALL BE CONTINUOUS WITHOUT BEING INTERRUPTED BY OTHER PARTITIONS AND, WHERE APPLICABLE, EXTEND AND SEAL TO INSIDE FACE OF EXTERIOR WALL SHEATHING, INCLUDING EXTENSIONS THROUGH SOFFITS.
8. EACH PARTITION SHOWN ON THE DRAWINGS TO HAVE A FIRE AND/OR SMOKE RESISTANT RATING SHALL BE IDENTIFIED WITH A PERMANENT SIGN OR STENCILING ABOVE THE CEILING ON EACH SIDE OF PARTITION NOT EXCEEDING 30'-0" HORIZONTALLY AND WITHIN 15'-0" FROM EACH END IN COMPLIANCE WITH IBC 703.7 OR AS REQUIRED BY AHJ.
9. REFER TO TOILET ACCESSORIES SHEET, AND CASEWORK SHEET FOR MOUNTING DETAIL AND BLOCKING INFORMATION.
10. WALLS SCHEDULED TO RECEIVE CERAMIC WALL TILE SHALL UTILIZE TILE BACKER UNITS IN LIEU OF GYPSUM WALLBOARD SHOWN IN WALL TYPE.
11. PROVIDE ACRYLIC CORNER GUARDS AT ALL GYPSUM WALLBOARD CORNERS (CS ACROYN ACRYLIC CORNER GUARD LG-150, 6' HIGH), BOTTOM OF GUARD TO BE MOUNTED ON TOP OF BASE UNO.
12. PROVIDE METAL STRAPPING @ 24" O.C. MAX VERTICAL TO HOLD INSULATION AT AREAS WITHOUT GYPSUM WALLBOARD.
13. ALL FIRE RATED WALLS TO BE CONTINUOUS WITHOUT BEING INTERRUPTED BY OTHER PARTITONS (TYPICAL).
14. ELECTRICAL RECEPTACLES WHICH OCCUR AT MASONRY PARTY WALL, MASONRY NOT TO BE BROKEN, WALL FURRING TO PROVIDE SPACE FOR ELECTRICAL BOXES.
15. ALL FIRE RATINGS SHOWN FOR PARTITIONS. REFER TO FIRE RESISTANCE RATING PER UNDERWRITTERS LABORATORIES.

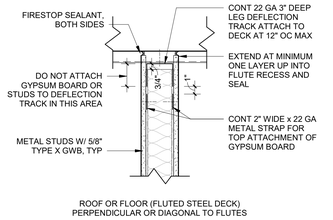


NON-RATED OR SMOKE RESISTANT

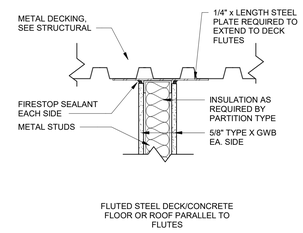


NON-RATED

2



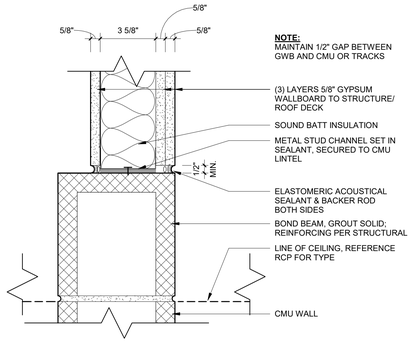
RATED



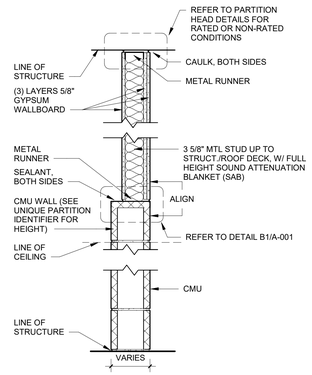
1 HR FIRE RESISTANT BARRIER
UL # U419

NOTE:
1. HEAD DETAILS THIS PAGE FOR REFERENCE AS MINIMUM REQUIREMENTS. FOLLOW MANUFACTURER'S DETAILS FOR PRODUCTS.
2. **NOTE:** PARTITIONS WITH STC RATINGS OR SAB TO HAVE GWB EXTEND TO STRUCTURE AND CAULK SIMILAR TO RATED DETAILS ABOVE USING ACOUSTIC SEALANT IN LIEU OF FIRE SEALANT.

H1 / A-001 PARTITION HEAD CONDITIONS
1 1/2" = 1'-0"



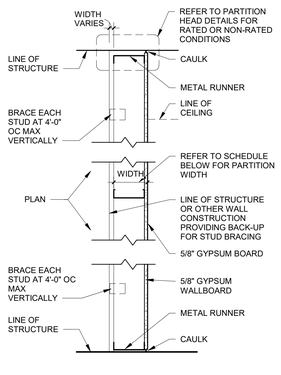
B1 / A-001 CMU TO MTL STUD @ SOUND WALL
3" = 1'-0"
0 3 6 9 12 IN



PARTITION TYPE "M"

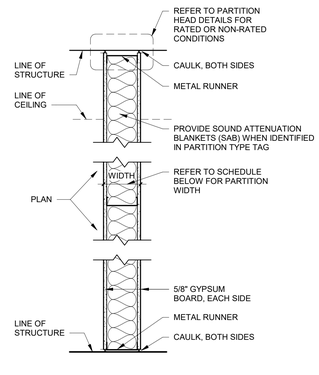
MARK	BLOCK WIDTH	FIRE RATING	UL LISTING	PTS-M STC RATING	COMMENTS
M4	3 5/8"	NA	NA	44	
M6	5 5/8"	NA	NA	45	
M8	7 5/8"	NA	NA	48	
1M6	5 5/8"	1 HR	U905	53	IBC T 7.21.2.2, SOLID ONLY
1M8	7 5/8"	1 HR	U905	57	IBC T 7.21.2.2

*NON RATED BLOCKS ASSUMED TO BE HOLLOW, NORMAL WEIGHT BLOCK, NON STRUCTURAL
**RATED BLOCKS ASSUMED TO BE PERLITE LOOSE CAVITY FILL



PARTITION TYPE "F"

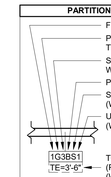
MARK	STUD WIDTH	GWB THK (LAYERS PER SIDE)	PARTN WIDTH	FIRE RATING	UL LISTING	STC RATING	STC LISTING	COMMENTS
F0	7/8"	5/8"	1 1/2"	NA	NA	NA	NA	
F2	2 1/2"	5/8"	4 1/4"	NA	NA	NA	NA	
F3	3 5/8"	5/8"	4 1/4"	NA	NA	NA	NA	



PARTITION TYPE "G"

MARK	STUD WIDTH	GWB THK (LAYERS PER SIDE)	PARTN WIDTH	FIRE RATING	UL LISTING	STC RATING	STC LISTING	COMMENTS
G3	3 5/8"	5/8"	4 7/8"	0.5 HR	U407	42	NA	
G6	6"	5/8"	7 1/4"	0.5 HR	U407	NA	NA	
G8	8"	5/8"	9 1/4"	0.5 HR	U407	NA	NA	
1G6	6"	5/8"	7 1/4"	1 HR	U419	49	SA-870717	

PARTITION TYPE NOMENCLATURE



PARTITION TYPES

F	FURRING
G	GYPSUM WALLBOARD
M	MASONRY

PARTITION METAL STUD OR CMU WIDTH

NUMBER CHARACTER	METAL STUD WIDTH	CMU WIDTH	REMARKS
0	7/8"	NA	7/8" FURRING CHANNEL
2	2-1/2"	NA	
3	3-5/8"	NA	
4	NA	3-5/8"	
6	6"	5-5/8"	
8	8"	7-5/8"	

PARTITION HEAD CONDITION DESIGNATOR

A	PARTITION TO UNDERSIDE OF STRUCTURE AND ROOF DECK ABOVE
B	PARTITION TO 6" ABOVE CEILING - EXTEND STUDS TO UNDERSIDE OF STRUCTURE AND ROOF DECK ABOVE
D	PARTIAL HEIGHT PARTITION - SEE FLOOR PLAN FOR HEIGHT

UNIQUE PARTITION TYPE IDENTIFIER

1	CMU UP TO 10'-0", 3 5/8" MTL. STUD WITH SOUND INSULATION & GWB UP TO STRUCT.
2	CMU UP TO 10'-8", 3 5/8" MTL. STUD WITH SOUND INSULATION & GWB UP TO STRUCT.
3	CMU UP TO 12'-0", 3 5/8" MTL. STUD WITH SOUND INSULATION & GWB UP TO STRUCT.
4	LEAD LINED WALL

ALPHA BLDG SET 08-19-2025

CROFT

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3380 Blue Springs Road
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STATE OF GEORGIA
ALLISON L. HARDY
CERTIFICATE NO. 039307
REGISTERED ARCHITECT
03/07/2025

OWNER

HABERSHAM COUNTY ANIMAL CONTROL
130 JACOBS WAY, SUITE 302
CLARKSVILLE, GA
30523

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CORNELIA, GA
30531

No.	Date	Description
0	2024-05-10	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

DRAWN: SLA
CHECKED: OH

SHEET TITLE
PARTITION TYPES & PENETRATION DETAILS

SHEET NO.
A-001

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THIS SHEET PLOTS ON 42" X 30"

3" 2" 1" 1/2" 0

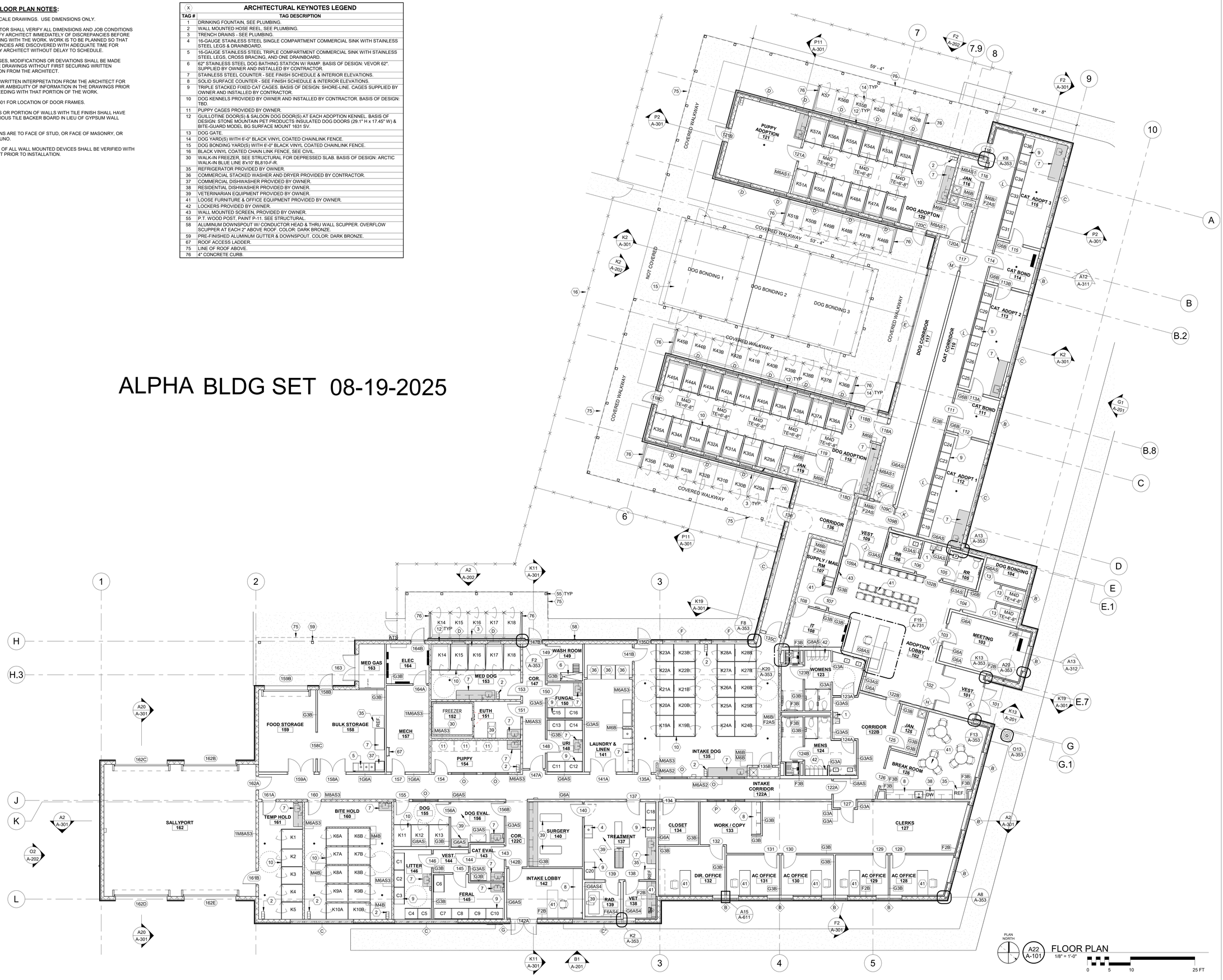
GENERAL FLOOR PLAN NOTES:

1. DO NOT SCALE DRAWINGS. USE DIMENSIONS ONLY.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND JOB CONDITIONS AND NOTIFY ARCHITECT IMMEDIATELY OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK. WORK IS TO BE PLANNED SO THAT DISCREPANCIES ARE DISCOVERED WITH ADEQUATE TIME FOR REVIEW BY ARCHITECT WITHOUT DELAY TO SCHEDULE.
3. NO CHANGES, MODIFICATIONS OR DEVIATIONS SHALL BE MADE FROM THE DRAWINGS WITHOUT FIRST SECURING WRITTEN PERMISSION FROM THE ARCHITECT.
4. REQUEST WRITTEN INTERPRETATION FROM THE ARCHITECT FOR LACK OF OR AMBIGUITY OF INFORMATION IN THE DRAWINGS PRIOR TO PROCEEDING WITH THAT PORTION OF THE WORK.
5. SEE J9/A-601 FOR LOCATION OF DOOR FRAMES.
6. ALL WALLS OR PORTION OF WALLS WITH TILE FINISH SHALL HAVE CEMENTITIOUS TILE BACKER BOARD IN LIEU OF GYPSUM WALL BOARD.
7. DIMENSIONS ARE TO FACE OF STUD, OR FACE OF MASONRY, OR GRIDLINE UNO.
8. LOCATION OF ALL WALL MOUNTED DEVICES SHALL BE VERIFIED WITH ARCHITECT PRIOR TO INSTALLATION.

ARCHITECTURAL KEYNOTES LEGEND

TAG #	TAG DESCRIPTION
1	DRINKING FOUNTAIN. SEE PLUMBING.
2	WALL MOUNTED HOSE REEL. SEE PLUMBING.
3	TRENCH DRAINS - SEE PLUMBING.
4	16-GAUGE STAINLESS STEEL SINGLE COMPARTMENT COMMERCIAL SINK WITH STAINLESS STEEL LEGS & DRAINBOARD.
5	16-GAUGE STAINLESS STEEL TRIPLE COMPARTMENT COMMERCIAL SINK WITH STAINLESS STEEL LEGS, CROSS BRACING, AND ONE DRAINBOARD.
6	62" STAINLESS STEEL DOG BATHING STATION W/ RAMP. BASIS OF DESIGN: VEVOR 62". SUPPLIED BY OWNER AND INSTALLED BY CONTRACTOR.
7	STAINLESS STEEL COUNTER - SEE FINISH SCHEDULE & INTERIOR ELEVATIONS.
8	SOLID SURFACE COUNTER - SEE FINISH SCHEDULE & INTERIOR ELEVATIONS.
9	TRIPLE STACKED FIXED CAT CAGES. BASIS OF DESIGN: SHORE-LINE. CAGES SUPPLIED BY OWNER AND INSTALLED BY CONTRACTOR.
10	DOG KENNELS PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR. BASIS OF DESIGN: TBD.
11	PUPPY CAGES PROVIDED BY OWNER.
12	GUILLOTINE DOOR(S) & SALOON DOG DOOR(S) AT EACH ADOPTION KENNEL. BASIS OF DESIGN: STONE MOUNTAIN PET PRODUCTS INSULATED DOG DOORS (29.1" H x 17.45" W) & BITE-GUARD MODEL BG SURFACE MOUNT 1631 SV.
13	DOG GATE.
14	DOG YARD(S) WITH 6'-0" BLACK VINYL COATED CHAINLINK FENCE.
15	DOG BONDING YARD(S) WITH 6'-0" BLACK VINYL COATED CHAINLINK FENCE.
16	BLACK VINYL COATED CHAIN LINK FENCE, SEE CIVIL.
30	WALK-IN FREEZER, SEE STRUCTURAL FOR DEPRESSED SLAB. BASIS OF DESIGN: ARCTIC WALK-IN BLUE LINE 8'x10' BL810-F-R.
35	REFRIGERATOR PROVIDED BY OWNER.
36	COMMERCIAL STACKED WASHER AND DRYER PROVIDED BY CONTRACTOR.
37	COMMERCIAL DISHWASHER PROVIDED BY OWNER.
38	RESIDENTIAL DISHWASHER PROVIDED BY OWNER.
39	VETERINARIAN EQUIPMENT PROVIDED BY OWNER.
41	LOOSE FURNITURE & OFFICE EQUIPMENT PROVIDED BY OWNER.
42	LOCKERS PROVIDED BY OWNER.
43	WALL MOUNTED SCREEN, PROVIDED BY OWNER.
55	P.T. WOOD POST, PAINT P-11. SEE STRUCTURAL.
58	ALUMINUM DOWNSPOUT W/ CONDUCTOR HEAD & THRU WALL SCUPPER. OVERFLOW SCUPPER AT EACH 2" ABOVE ROOF. COLOR: DARK BRONZE.
59	PRE-FINISHED ALUMINUM GUTTER & DOWNSPOUT. COLOR: DARK BRONZE.
67	ROOF ACCESS LADDER.
75	LINE OF ROOF ABOVE.
76	4" CONCRETE CURB.

ALPHA BLDG SET 08-19-2025



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PLAN NORTH

A22 / A-101 FLOOR PLAN
1/8" = 1'-0"

0 5 10 25 FT

CROFT

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03/07/2025

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HABERSHAM ANIMAL CONTROL
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CORNELIA, GA
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No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-06-10	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

DRAWN: SLA
CHECKED: OH

SHEET TITLE
FLOOR PLAN

SHEET NO.
A-101

THIS SHEET PLOTS ON 42" X 30"

3" 2" 1" 1/2" 0

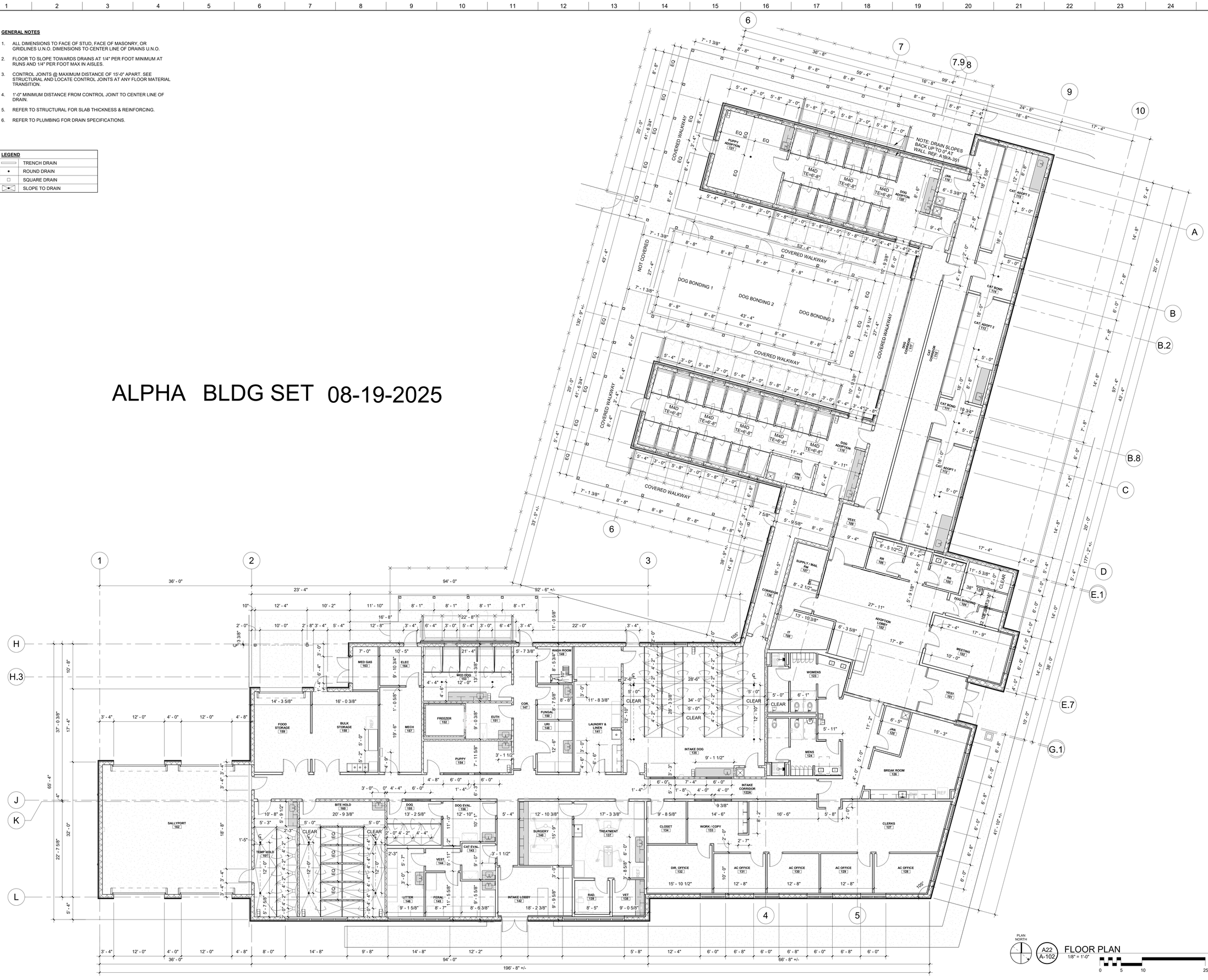
GENERAL NOTES

1. ALL DIMENSIONS TO FACE OF STUD, FACE OF MASONRY, OR GRIDLINES U.N.O. DIMENSIONS TO CENTER LINE OF DRAINS U.N.O.
2. FLOOR TO SLOPE TOWARDS DRAINS AT 1/4" PER FOOT MINIMUM AT RUNS AND 1/4" PER FOOT MAX IN AISLES.
3. CONTROL JOINTS @ MAXIMUM DISTANCE OF 15'-0" APART. SEE STRUCTURAL AND LOCATE CONTROL JOINTS AT ANY FLOOR MATERIAL TRANSITION.
4. 1'-0" MINIMUM DISTANCE FROM CONTROL JOINT TO CENTER LINE OF DRAIN.
5. REFER TO STRUCTURAL FOR SLAB THICKNESS & REINFORCING.
6. REFER TO PLUMBING FOR DRAIN SPECIFICATIONS.

LEGEND

	TRENCH DRAIN
•	ROUND DRAIN
□	SQUARE DRAIN
	SLOPE TO DRAIN

ALPHA BLDG SET 08-19-2025



PLAN NORTH

A22 A-102 FLOOR PLAN

1/8" = 1'-0"

0 5 10 25 FT

3/7/2025 3:45:11 PM
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STATE OF GEORGIA
ALLISON L. HARDY
CERTIFICATE NO. 035871
REGISTERED ARCHITECT
03/07/2025

OWNER

HABERSHAM COUNTY ANIMAL CONTROL
130 JACOBS WAY, SUITE 302
CLARKSVILLE, GA
30523

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CORNELIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-06-10	PERMIT SET
		ISSUANCE

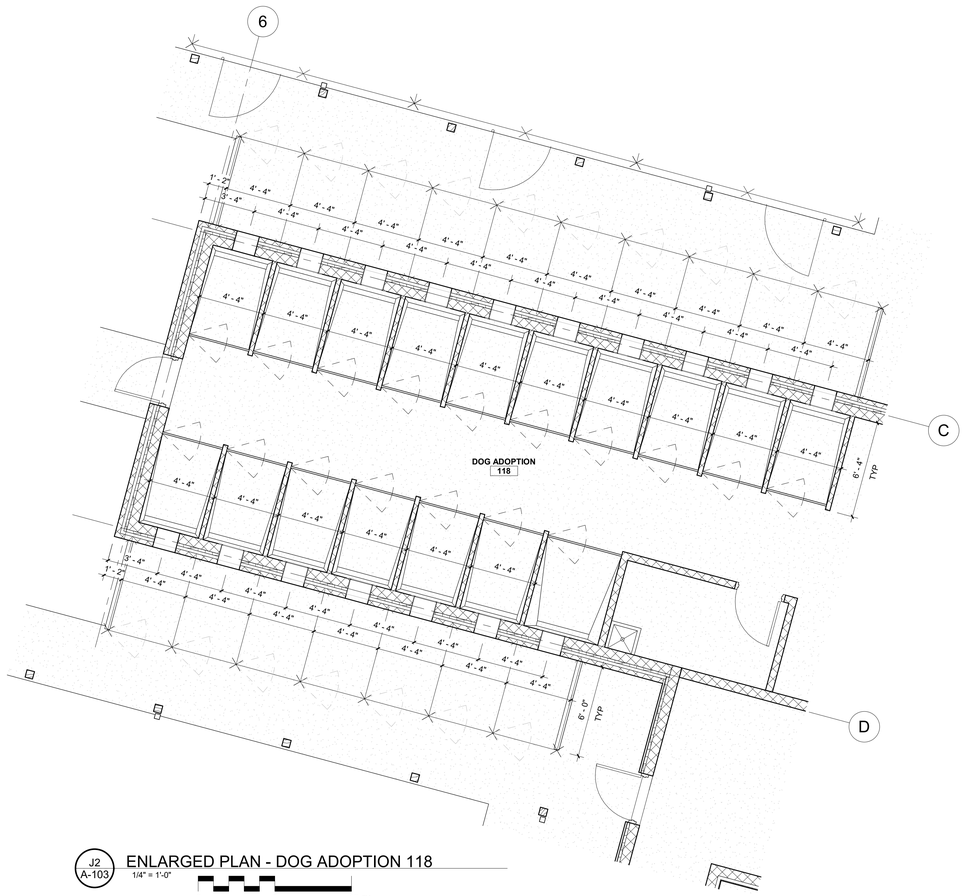
PROJECT NUMBER
2022-313

DRAWN: SLA
CHECKED: OH

SHEET TITLE
FLOOR PLAN - DIMENSIONS

SHEET NO.
A-102

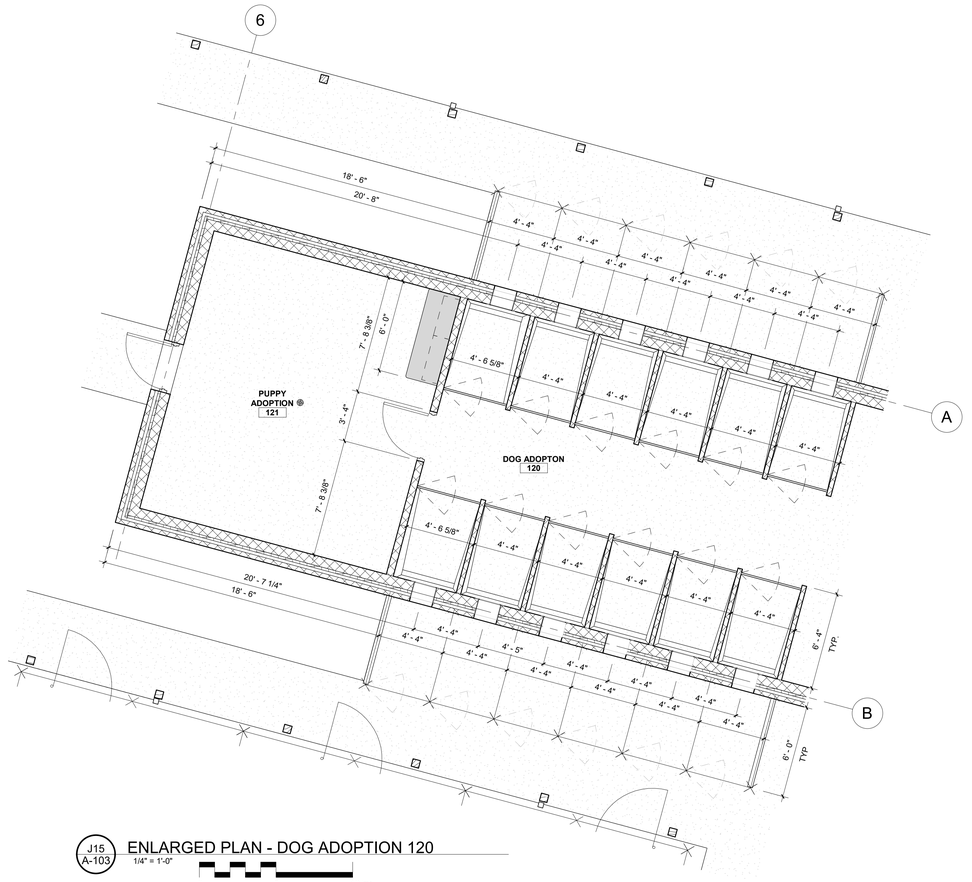
THIS SHEET PLOTS ON 42" X 30"



J2 A-103 ENLARGED PLAN - DOG ADOPTION 118

1/4" = 1'-0"

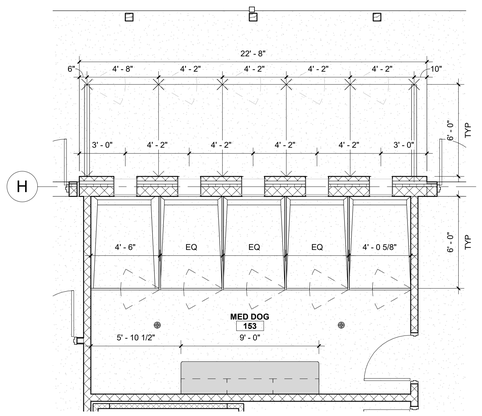
0 5 10 FT



J15 A-103 ENLARGED PLAN - DOG ADOPTION 120

1/4" = 1'-0"

0 5 10 FT



B15 A-103 ENLARGED PLAN - MED DOG 153

1/4" = 1'-0"

0 5 10 FT

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CORNELIA, GA
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No.	Date	Description
1	2025-03-07	VE CHANGES
	ISSUANCE	

PROJECT NUMBER
2022-313

DRAWN: SLA
CHECKED: OH

SHEET TITLE
ENLARGED PLANS - DIMENSIONS

SHEET NO.
A-103

THIS SHEET PLOTS ON 42" X 30"

3" 2" 1" 1/2" 0

GENERAL REFLECTED CEILING PLAN NOTES:

1. IF THERE ARE QUESTIONS REGARDING THE ITEMS NOTED HEREIN OR OTHER COORDINATION ISSUES, THE CONTRACTOR SHALL OBTAIN A WRITTEN CLARIFICATION FROM THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK. SEE NOTE 2, A-101.
2. VERIFY FIELD CONDITIONS AND LOCATIONS OF ELECTRICAL, MECHANICAL, PLUMBING, AND STRUCTURAL ELEMENTS AND ANY OTHER APPLICABLE ITEMS. REVIEW AND DETERMINE CEILING CAVITY EQUIPMENT TO INSURE ADEQUATE CLEARANCES FOR CEILING LAYOUT BEFORE RELATED ELEMENTS ARE CONSTRUCTED.
3. DEVICES ON THIS PLAN HAVE BEEN SHOWN FOR COORDINATION PURPOSES ONLY. ALL DEVICES MAY NOT BE SHOWN. INSTALL ALL DEVICES INDICATED ON THE MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION AND OTHER APPLICABLE DRAWINGS FOR ITEMS NOT SHOWN ON REFLECTED CEILING PLANS.
4. ALL MEP WORK SHALL BE PLANNED TO MINIMIZE THE AMOUNT OF ACCESS PANELS IN HARD CEILINGS. COORDINATE REQUIRED PANEL LOCATIONS WITH ARCHITECT. UNFINISHED PANELS ARE TO BE FINISHED TO MATCH ADJACENT SURFACE.
5. DIMENSIONS ARE FACE OF FINISH TO CENTER OF FIXTURE U.N.O.
6. SEE SHEET A-001 FOR PARTITION TYPES, UNIQUE PARTITION CHARACTERISTICS AND HEIGHT OF PARTITIONS.
7. CEILING GRIDS AND TILE SHALL BE ORIENTED WITHIN SPACES AS SHOWN, U.N.O. FULL TILE (FT) SHALL ABUT DESIGNATED WALL WHERE INDICATED. LIMIT PARTIAL TILES TO NO LESS THAN 6".
8. AT PARTITIONS WITH SOUND ATTENUATION BLANKETS PROVIDE SOUND ATTENUATION BLANKETS ON CEILING WITHIN 2'-0" ON BOTH SIDES OF PARTITION EXCEPT AT PARTITIONS WITH SOUND ATTENUATION BLANKETS EXTENDING TO STRUCTURE.
9. PROVIDE ACOUSTIC BATT INSULATION ABOVE CEILING UNDER MECHANICAL UNITS AND 5'-0" BEYOND ALL FOUR SIDES OF UNIT.
10. LOCATION OF SWITCHES SHALL BE VERIFIED WITH ARCHITECT PRIOR TO INSTALLATION.
11. ALL SPRINKLER HEADS, RECESSED LIGHTS AND SIMILAR CEILING MOUNTED EQUIPMENT SHALL BE VERIFIED WITH ARCHITECT PRIOR TO INSTALLATION.
12. DISCUSS ALL VISIBLE EQUIPMENT: SPRINKLER HEADS, CONNECTING PIPES, CONDUITS, ETC. WITH/ ARCHITECT BEFORE INSTALLATION. ALL VISIBLE PIPING, CONDUIT, ETC., TO BE STRAIGHT, LEVEL, AND PARALLEL TO ADJACENT WORK. WORK INSTALLED UNSATISFACTORILY WILL BE RELOCATED AT CONTRACTOR'S EXPENSE.
13. REFER TO MECHANICAL FLOOR PLANS FOR EXTENT OF DUCTWORK IN EXPOSED STRUCTURE AREAS. EXTEND PERIMETER WALLS AND FINISH TO STRUCTURE ABOVE AT EXPOSED STRUCTURE AREAS. PAINT ALL EXPOSED DUCTWORK, PIPING, HANGERS, ETC WITH PAINT COLOR DESIGNATED IN FINISH MATERIAL SPECIFICATIONS, A-701, UNO.
14. PERIMETER TRACK FOR ALL ACOUSTICAL CEILINGS GRIDS TO BE SEISMIC CLIP TYPE AND INSTALLED IN ACCORDANCE TO CISCA GUIDELINES. SEE STRUCTURAL SHEET S-001 FOR SEISMIC INFORMATION; RISK CATEGORY II, SITE CATEGORY D & DESIGN CATEGORY C.
15. DESIGN SUSPENDED CEILING FRAMING SYSTEM TO RESIST LATERAL FORCE OF 20% OF THE WEIGHT OF THE CEILING ASSEMBLY AND ANY LOADS TRIBUTARY TO THE SYSTEM. USE A MINIMUM CEILING WEIGHT OF 5LBS/PSF TO DETERMINE LATERAL FORCE.
16. WHERE CEILING LOADS DO NOT EXCEED 5LBS/PSF AND WHERE PARTITIONS ARE NOT CONNECTED TO THE CEILING SYSTEM, THE FOLLOWING BRACING METHOD MAY BE USED:
    A. PROVIDE LATERAL SUPPORT BY FOUR WIRES MINIMUM NO.12 GAUGES SPLAYED IN FOUR DIRECTIONS 90 DEGREES APART, AND CONNECTED TO THE MAIN RUNNER WITHIN 2" OF THE CROSS RUNNER AND TO THE STRUCTURE ABOVE AT AN ANGLE NOT EXCEEDING 45 DEG. FROM THE PLANE OF THE CEILING. PROVIDE THESE LATERAL SUPPORT POINTS 12 FEET ON CENTER IN EACH DIRECTION WITH THE FIRST POINT WITHIN 4' FROM EACH WALL.
    B. ALLOW LATERAL MOVEMENT OF THE SYSTEM. ATTACH MAIN RUNNERS AND CROSS RUNNERS AT TWO ADJACENT WALLS. MAINTAIN CLEARANCE BETWEEN THE WALL AND THE RUNNERS AT OPPOSITE WALLS.
17. PROVIDE VERTICAL SUPPORT BY BUILDING CODES. ADDITIONALLY, SUPPORT VERTICALLY ENDS OF RUNNERS WITHIN 8" OF EACH END.
18. SUPPORT LIGHT FIXTURES AND AIR DIFFUSERS DIRECTLY BY WIRES TO THE STRUCTURE ABOVE.
19. ALL GYPSUM WALLBOARD CEILINGS TO BE PAINTED FLAT FINISH UNO. SEE FINISH SCHEDULE AND SPECIFICATIONS FOR COLOR.
20. UNDERSIDE OF SOFFITS TO RECEIVE A FINISH TO MATCH ADJACENT VERTICAL FINISH, UNO.
21. FINISH HVAC DIFFUSERS TO MATCH ADJACENT FINISH UNO.
22. SEE FINISH SCHEDULE FOR CEILING TYPES AND MATERIALS IN EACH ROOM / AREA.
23. ALL GYPSUM WALLBOARD CEILINGS TO RECEIVE CONCEALED SPRINKLER HEADS UNO. SPRINKLER HEADS, OTHER THAN CONCEALED, SHALL BE FULLY RECESSED (CENTER IN CEILING TILE).
24. ALL GYPSUM WALLBOARD CEILINGS IN WET AREAS LIKE RESTROOMS, SHOWERS, JANITORS, AND CAT ROOMS, SHALL BE MOISTURE RESISTANT GYPSUM BOARD.
25. GENERAL CONTRACTOR SHALL SUBMIT LOCATION PLANS TO ARCHITECT FOR REVIEW FOR ALL DEVICES LOCATED WITHIN GYPSUM BOARD CEILINGS LIKE FIRE ALARM DEVICES, SECURITY DEVICES, SPRINKLER HEADS, THERMOSTATS AND ANY OTHER DEVICES THAT ARE DIFFERENT OR NOT SHOWN ON THIS PLAN.

RCP LEGEND

- GWB CEILING
- 2' X 2' ACT GRID
- 2' X 2' DIRECT LED
- 2' X 4' DIRECT LED
- 6" RECESSED CYLINDER
- 4' INTERIOR STRIP
- 2' x 2' SUPPLY DIFFUSER
- 2' x 2' RETURN REGISTER
- TYPE / HT. / X | 1' - 0" — CEILING TAG
- EXP — EXPOSED TO STRUCTURE
- SURGERY LIGHT - SEE ELECTRICAL

CEILING TYPE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER, BASIS OF DESIGN	NOTES
A	PAINT	SHERWIN WILLIAMS; SW7007 CEILING BRIGHT WHITE	ALL GWB CEILINGS
B	ACOUSTIC PANEL CEILING	ARMSTRONG; OPTIMA 24x24 TEGULAR EDGE	
C	ACOUSTIC PANEL CEILING	ARMSTRONG; ULTIMA HEALTH ZONE HIGH NRC, SQUARE EDGE	
D	ACOUSTIC PANEL CEILING WITH MOISTURE RESISTANCE	ROCKFON; SEALED EDGE	ALL DOG AREAS

ARCHITECTURAL KEYNOTES LEGEND

TAG #	TAG DESCRIPTION
34	HIGH VOLUME, LOW SPEED CEILING FAN, SEE MECHANICAL.
40	SURGERY LIGHT.
71	GWB TO ACT FLUSH TRANSITION, SEE DETAIL B20 ON SHEET A-135.
72	ACT HIGH TO GWB LOW TRANSITION, SEE DETAIL B15 ON SHEET A-135.
73	GWB CEILING TRANSITION, SEE DETAIL B10 ON SHEET A-135.
77	LINEAR SLOT DIFFUSER TRACK, FRAME TRACK ALONG WALL AS SHOWN - SEE MECHANICAL FOR DIFFUSER LAYOUT AND SIZES.

ALPHA BLDG SET 08-19-2025

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03/07/2025

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HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CORNELIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-06-10	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

DRAWN: SLA
CHECKED: OH

SHEET TITLE
REFLECTED CEILING PLAN

SHEET NO.
A-131

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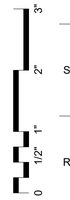
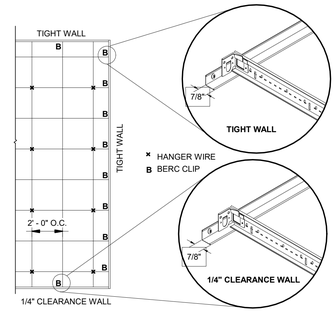
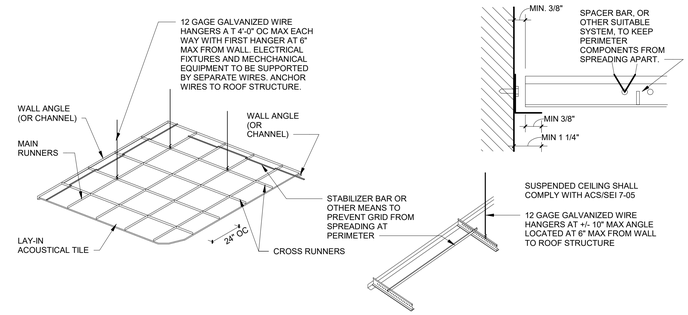
THIS SHEET PLOTS ON 42" X 30"





- 7/8" MOLDING
- GRID CAN BE TIGHT ON TWO ADJOINING WALLS AND LESS THAN 1/4" CLEARANCE ON OTHER TWO WALLS
- BERC CLIP ON ALL CUT CROSS TEES

P10 A-135 DETAIL - CEILING GRID INSTALLATION
NOT TO SCALE



P16 A-135 DETAIL - ALTERNATE GRID CEILING INSTALLATION
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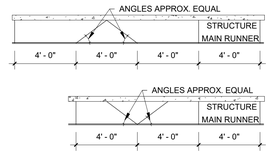
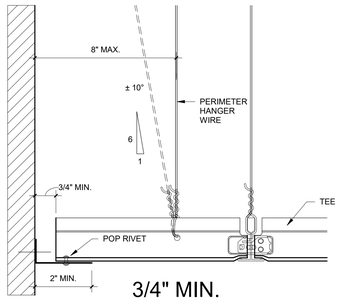
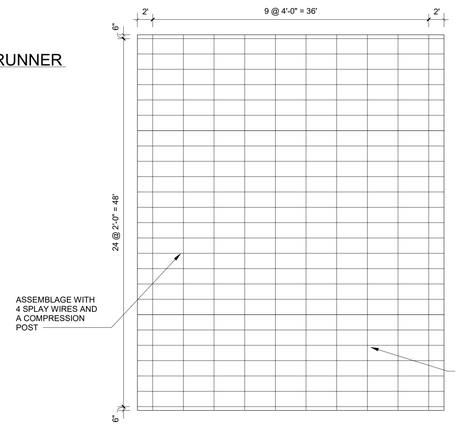


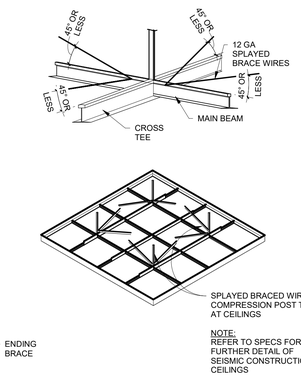
L10 A-135 ACT SEISMIC DET. - COUNTERSPLAY OF MAIN RUNNER
NOT TO SCALE

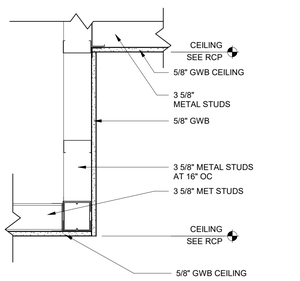


G10 A-135 ACT SEISMIC DET. - CEILING @ WALL
NOT TO SCALE

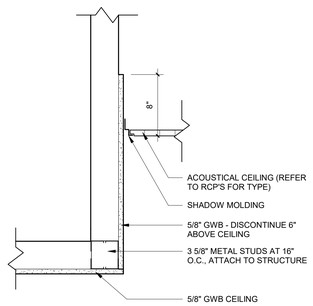


G16 A-135 ACT SEISMIC DET. - WIRES + COMPRESSION POST
NOT TO SCALE

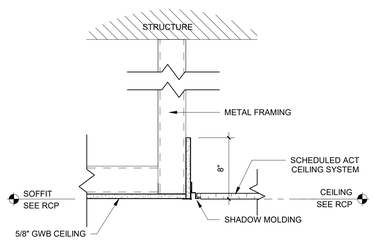




B10 A-135 GWB CEILING TRANSITION
1 1/2" = 1'-0"
0 6" 1 2 FT



B15 A-135 ACT HIGH TRANSITION TO GWB LOW
1 1/2" = 1'-0"
0 6" 1 2 FT



B20 A-135 GWB TO ACT FLUSH TRANSITION
1 1/2" = 1'-0"
0 6" 1 2 FT

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30531

No.	Date	Description
0	2024-06-10	PERMIT SET
ISSUANCE		

PROJECT NUMBER
2022-313

DRAWN: SLA
CHECKED: OH

SHEET TITLE
CEILING DETAILS

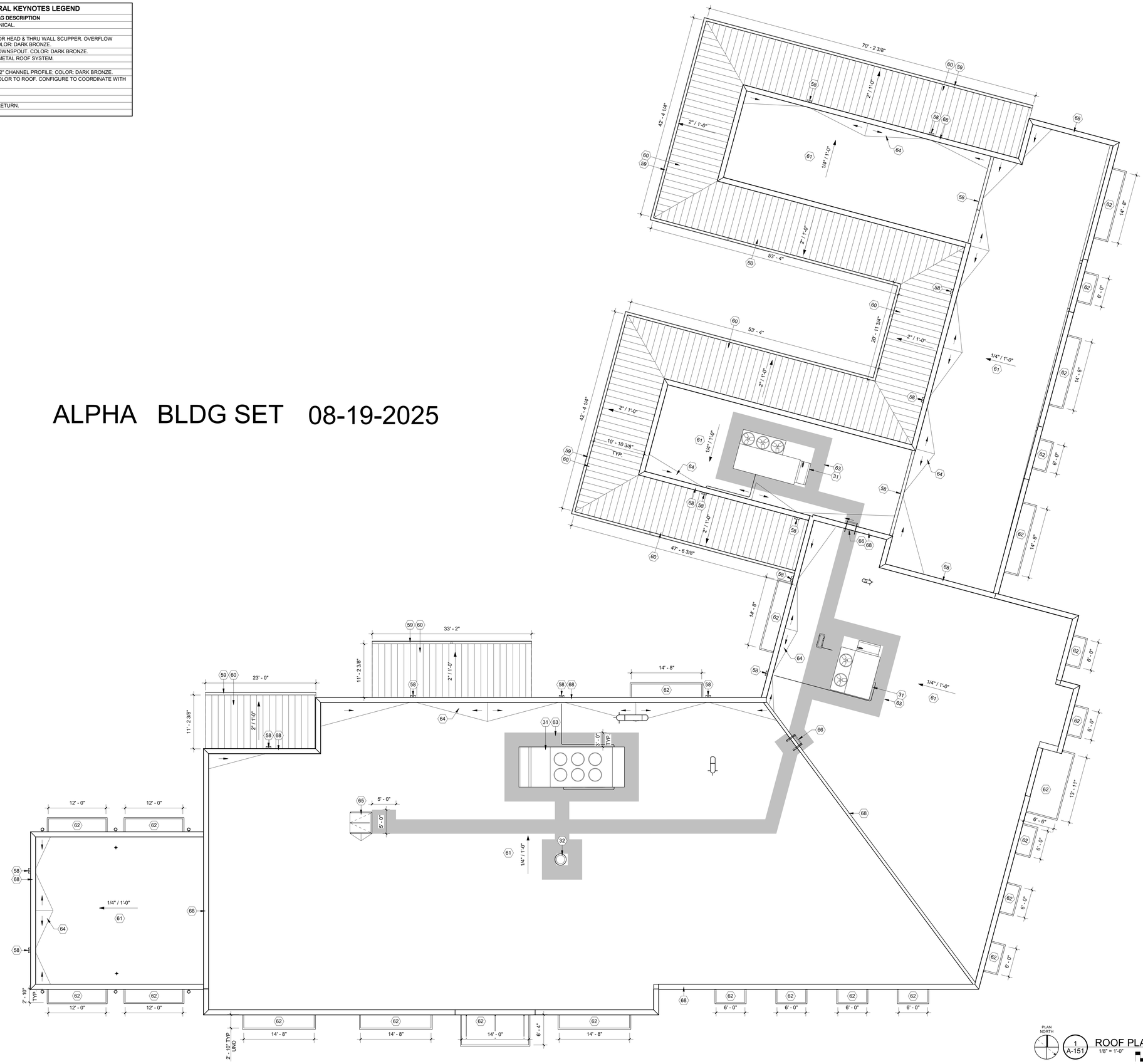
SHEET NO.
A-135

THIS SHEET PLOTS ON 42" X 30"

3" 2" 1" 1/2" 0

X	ARCHITECTURAL KEYNOTES LEGEND
TAG #	TAG DESCRIPTION
31	MECHANICAL EQUIPMENT, SEE MECHANICAL.
32	EXHAUST FAN, SEE MECHANICAL.
58	ALUMINUM DOWNSPOUT W/ CONDUCTOR HEAD & THRU WALL SCUPPER. OVERFLOW SCUPPER AT EACH 2" ABOVE ROOF. COLOR: DARK BRONZE.
59	PRE-FINISHED ALUMINUM GUTTER & DOWNSPOUT. COLOR: DARK BRONZE.
60	PRE-FINISHED 24 GA STANDING SEAM METAL ROOF SYSTEM.
61	TPO ROOF MEMBRANE SYSTEM.
62	PRE-ENGINEERED 8" MTL CANOPY W/ 12" CHANNEL PROFILE; COLOR: DARK BRONZE.
63	ROOF WALKPADS OF CONTRASTING COLOR TO ROOF. CONFIGURE TO COORDINATE WITH MECHANICAL EQUIPMENT.
64	ROOF CRICKET.
65	ROOF ACCESS HATCH.
66	PARAPET LADDER WITH PLATFORM & RETURN.
68	PRE-FINISHED METAL COPING.

ALPHA BLDG SET 08-19-2025



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PLAN NORTH

1 A-151 ROOF PLAN - MAIN BUILDING
1/8" = 1'-0"

0 5 10 25 FT

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CERTIFICATE NO. 035201
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		ISSUANCE

PROJECT NUMBER
2022-313

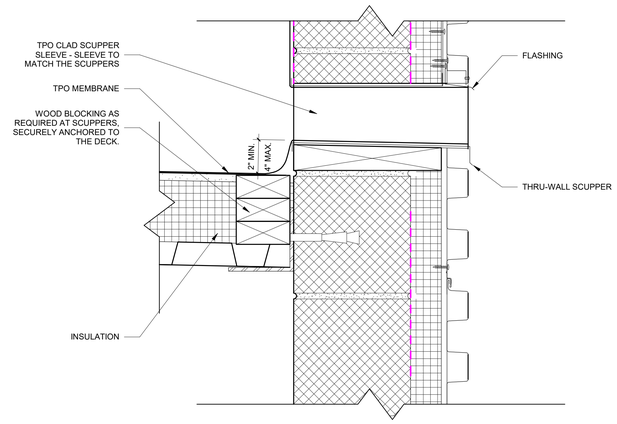
DRAWN: SLA
CHECKED: OH

SHEET TITLE
ROOF PLAN

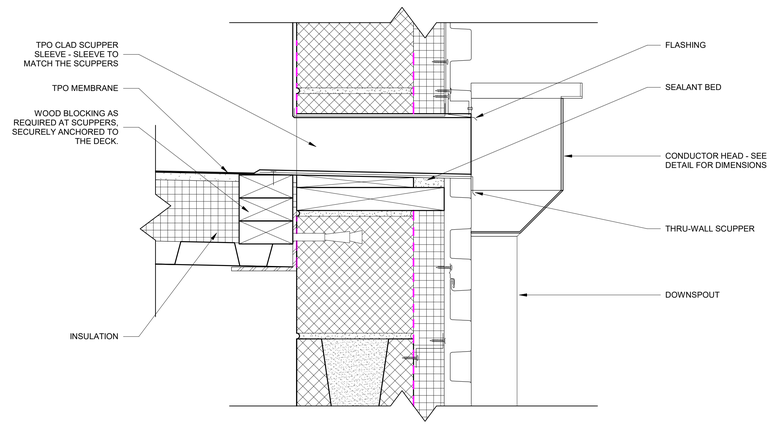
SHEET NO.
A-151

ALPHA BLDG SET 08-19-2025

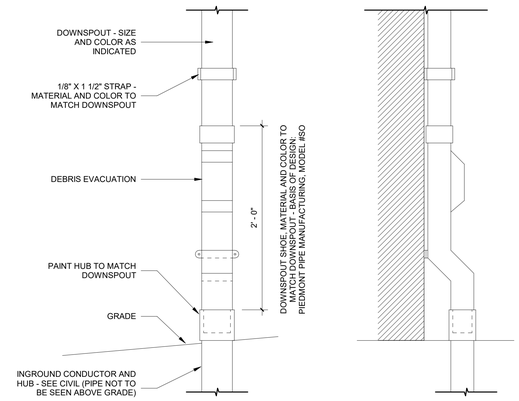
THIS SHEET PLOTS ON 42" X 30"



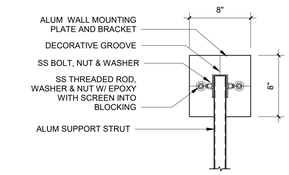
L5 A-161 EMERGENCY SCUPPER DETAIL
3" = 1'-0"
0 3 6 9 12 IN



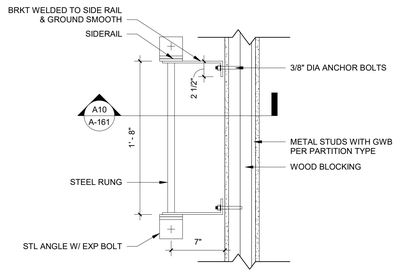
L12 A-161 THROUGH WALL SCUPPER DETAIL
3" = 1'-0"
0 3 6 9 12 IN



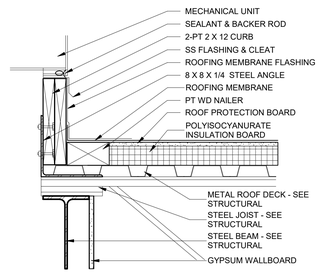
L19 A-161 DOWNSPOUT DETAIL
1 1/2" = 1'-0"
0 6" 1 2 FT



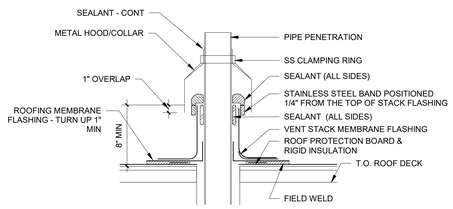
H5 A-161 TYPICAL CANOPY MOUNTING PLATE
NOT TO SCALE



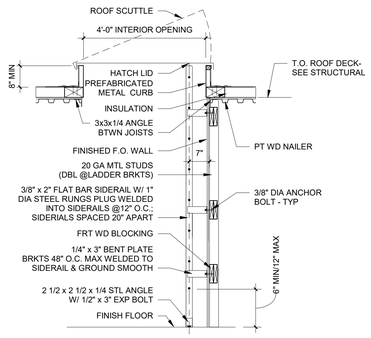
F10 A-161 PLAN - LADDER
NOT TO SCALE



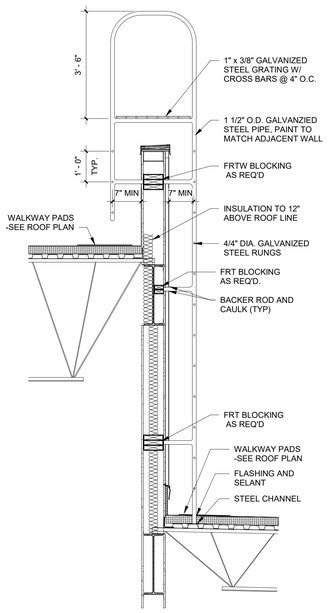
E5 A-161 MECHANICAL CURB
NOT TO SCALE



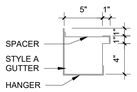
A5 A-161 VENT STACK PENETRATION
NOT TO SCALE



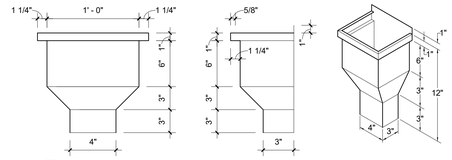
A10 A-161 LADDER @ ROOF HATCH
NOT TO SCALE



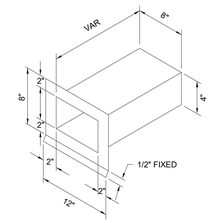
A12 A-161 ROOF LADDER @ PARAPET
NOT TO SCALE



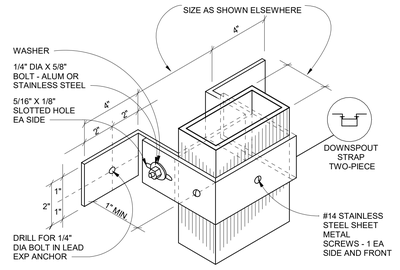
A16 A-161 GUTTER DIMENSIONS
NOT TO SCALE



H19 A-161 DOWNSPOUT CONDUCTOR HEAD
NOT TO SCALE



D19 A-161 THRU-WALL SCUPPER
NOT TO SCALE



A19 A-161 DOWNSPOUT STRAP - TWO PIECE
NOT TO SCALE

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STATE OF GEORGIA
ALLISON L. HARDY
CERTIFICATE NO. 035271
REGISTERED ARCHITECT
03/07/2025

OWNER

HABERSHAM COUNTY ANIMAL CONTROL
130 JACOBS WAY, SUITE 302
CLARKSVILLE, GA
30523

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CORNELIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-06-10	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

DRAWN: SLA
CHECKED: OH

SHEET TITLE
ROOF DETAILS

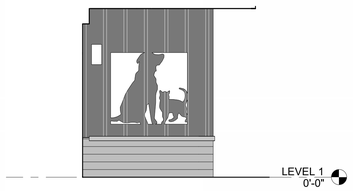
SHEET NO.
A-161
1

THIS SHEET PLOTS ON 42" X 30"

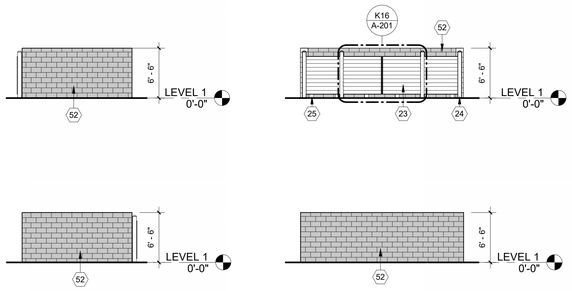
3" 2" 1" 1/2" 0

ARCHITECTURAL KEYNOTES LEGEND

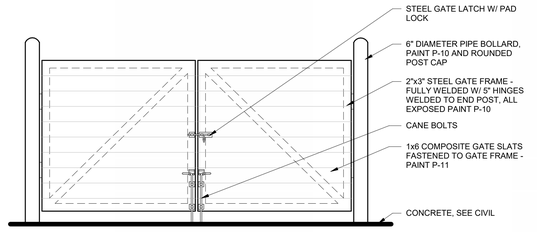
TAG #	TAG DESCRIPTION
12	GUILLOTINE DOOR(S) & SALOON DOG DOOR(S) AT EACH ADOPTION KENNEL. BASIS OF DESIGN: STONE MOUNTAIN PET PRODUCTS INSULATED DOG DOORS (29.1" H x 17.45" W) & BITE-GUARD MODEL BG SURFACE MOUNT 1631 SV.
28	WALL PACK, SEE ELECTRICAL.
29	EXTERIOR WALL LIGHT, SEE ELECTRICAL.
33	LOUVER. PAINT TO MATCH METAL PANEL.
44	HORIZONTAL MTL PANEL, BASIS OF DESIGN: PAC-CLAD BOX RIB 1. COLOR: REGAL WHITE.
45	HORIZONTAL MTL PANEL, BASIS OF DESIGN: PAC-CLAD BOX RIB 1. COLOR: BUCKSKIN.
46	HORIZONTAL MTL PANEL, BASIS OF DESIGN: PAC-CLAD BOX RIB 1. COLOR: SLATE GRAY.
47	VERTICAL MTL PANEL, BASIS OF DESIGN: PAC-CLAD BOARD & BATTEN. COLOR: REGAL WHITE.
48	VERTICAL MTL PANEL, BASIS OF DESIGN: PAC-CLAD BOARD & BATTEN. COLOR: SLATE GRAY.
49	VERTICAL MTL PANEL, BASIS OF DESIGN: PAC-CLAD BOARD & BATTEN. COLOR: PACIFIC BLUE.
50	MTL PANEL COLUMN WRAP. COLOR: REGAL WHITE.
51	ALUMINUM DARK BRONZE STOREFRONT SYSTEM.
52	PAINTED CMU BLOCK, PAINT P-13.
53	CAST STONE SILL. COLOR MATCH PAINTED CMU.
54	P.T. WOOD BEAM, PAINT P-11. SEE STRUCTURAL.
55	P.T. WOOD POST, PAINT P-11. SEE STRUCTURAL.
56	PIN MOUNTED ALUMINUM SIGN.
57	PIN MOUNTED ALUMINUM LETTERS; SIZE: 14" FONT: BELL MT 6.
58	ALUMINUM DOWNSPOUT W/ CONDUCTOR HEAD & THRU WALL SCUPPER. OVERFLOW SCUPPER AT EACH 2" ABOVE ROOF. COLOR: DARK BRONZE.
59	PRE-FINISHED ALUMINUM GUTTER & DOWNSPOUT. COLOR: DARK BRONZE.
60	PRE-FINISHED 24 GA STANDING SEAM METAL ROOF SYSTEM.
62	PRE-ENGINEERED 8" MTL CANOPY W/ 12" CHANNEL PROFILE; COLOR: DARK BRONZE.
66	PARAPET LADDER WITH PLATFORM & RETURN.
68	PRE-FINISHED METAL COPING.
76	4" CONCRETE CURB.



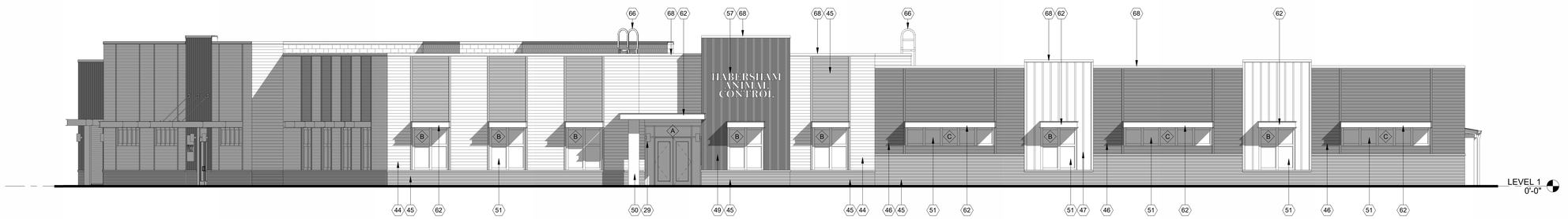
K13 A-201 ADOPTION ENTRANCE
1/4" = 1'-0"
0 5 10 25 FT



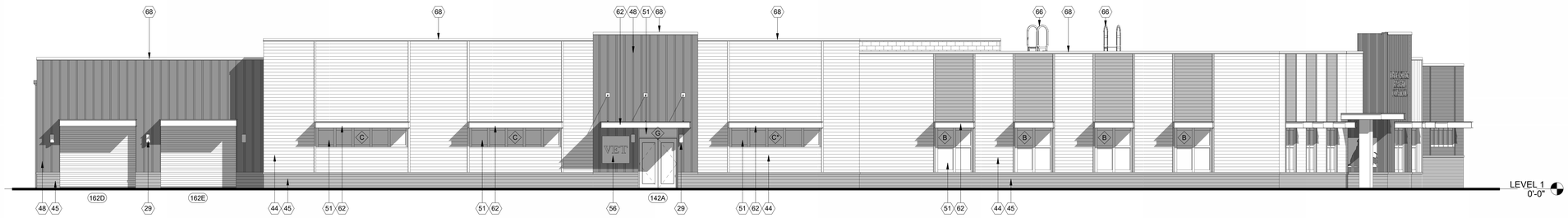
K8 A-201 DUMPSTER ENCLOSURE ELEVATIONS
1/8" = 1'-0"
0 5 10 25 FT



K16 A-201 DUMPSTER GATE DETAIL
1/2" = 1'-0"
0 1 5 FT



G1 A-201 SOUTHEAST - ADOPTION ENTRANCE
1/8" = 1'-0"
0 5 10 25 FT



B1 A-201 SOUTH - VETERINARY ENTRANCE
1/8" = 1'-0"
0 5 10 25 FT

ALPHA BLDG SET 08-19-2025

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STATE OF GEORGIA
ALLISON L. HARDY
CERTIFICATE NO. 039871
REGISTERED ARCHITECT
03/07/2025

OWNER

HABERSHAM COUNTY ANIMAL CONTROL
130 JACOBS WAY, SUITE 302
CLARKSVILLE, GA
30523

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CORNELIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-06-10	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

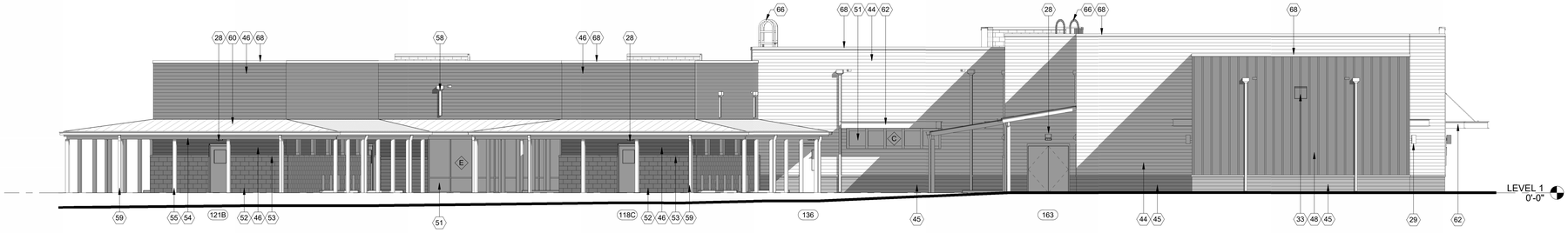
DRAWN: SLA
CHECKED: OH

SHEET TITLE
EXTERIOR ELEVATIONS

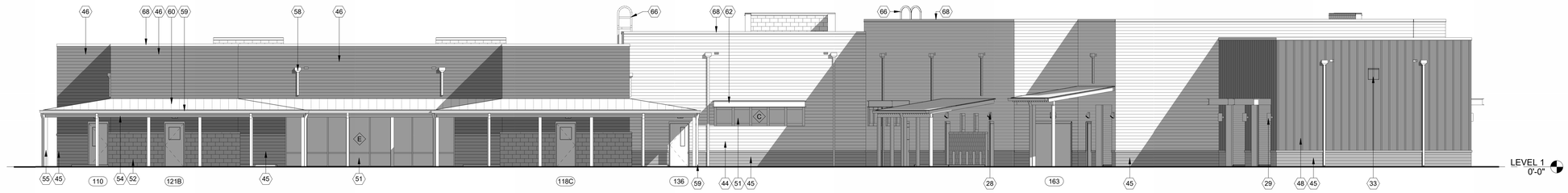
SHEET NO.
A-201
1

THIS SHEET PLOTS ON 42" X 30"

3" 2" 1" 1/2" 0



O2 A-202 WEST - REAR
1/8" = 1'-0"
0 5 10 25 FT



K2 A-202 NORTHWEST - ADOPTION (REAR)
1/8" = 1'-0"
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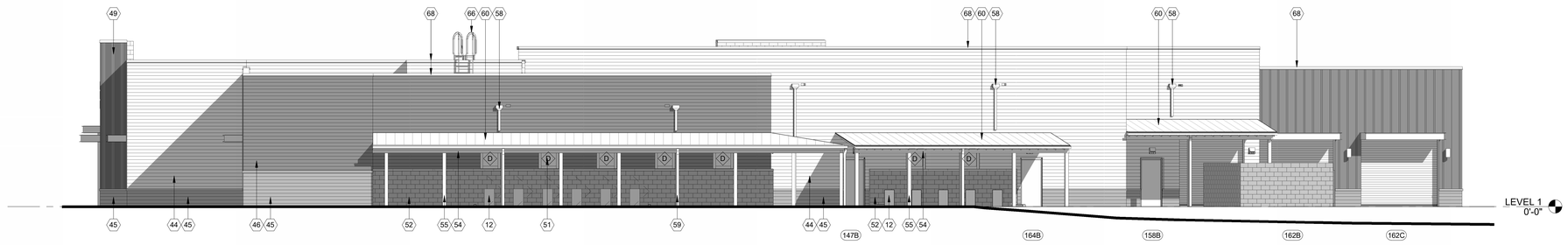
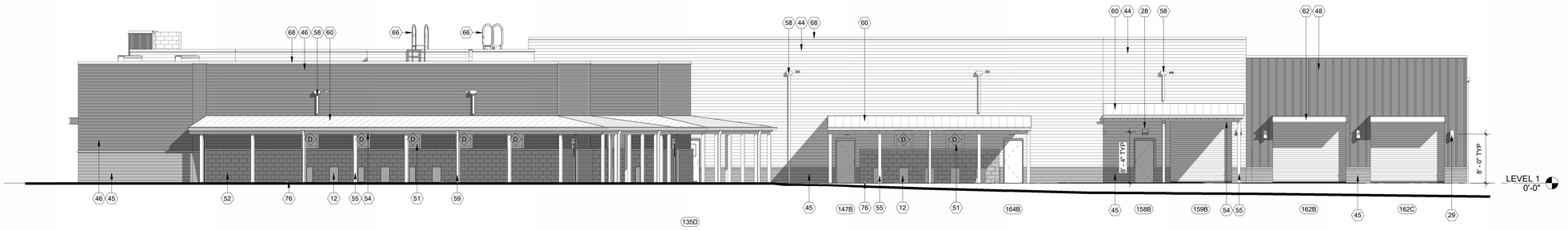


F2 A-202 NORTHEAST - REAR
1/8" = 1'-0"
0 5 10 25 FT



A2 A-202 NORTH - VETERINARY (REAR)
1/8" = 1'-0"
0 5 10 25 FT

ALPHA BLDG SET 08-19-2025

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68	PRE-FINISHED METAL COPING.
76	4" CONCRETE CURB.

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STATE OF GEORGIA
ALLISON L. HARDY
CERTIFICATE NO. 036257
REGISTERED ARCHITECT
03/07/2025

OWNER

HABERSHAM COUNTY ANIMAL CONTROL
130 JACOBS WAY, SUITE 302
CLARKSVILLE, GA
30523

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CORNELIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-06-10	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

DRAWN: SLA
CHECKED: OH

SHEET TITLE
EXTERIOR ELEVATIONS

SHEET NO.
A-202

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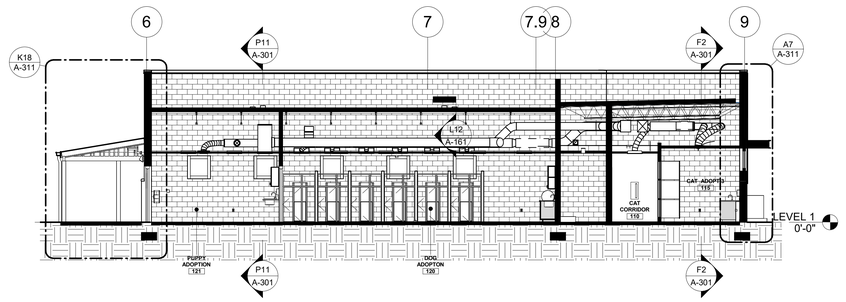
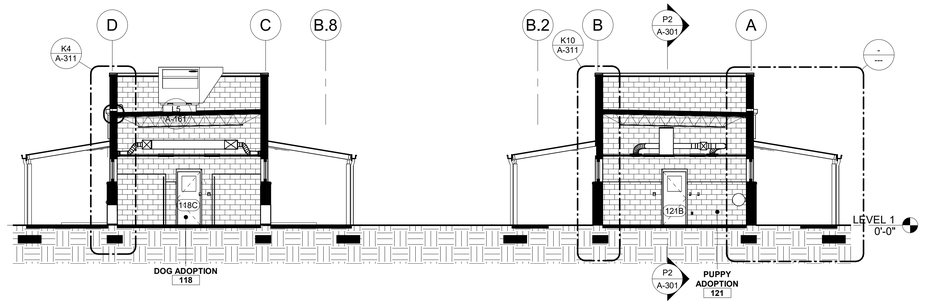
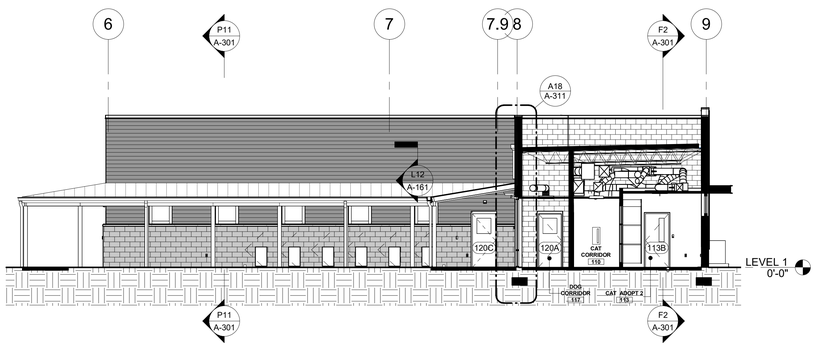
THIS SHEET PLOTS ON 42" X 30"



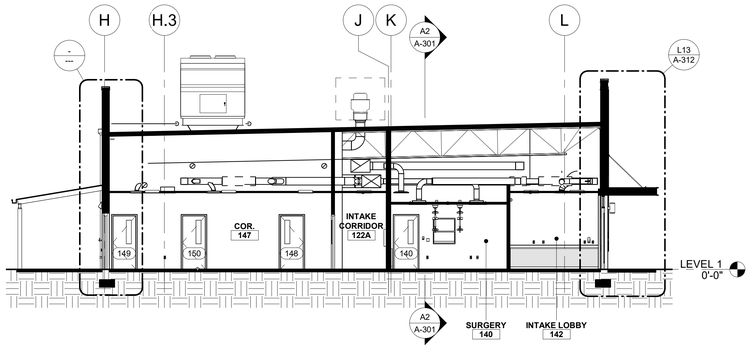
P2 A-301 BUILDING SECTION @ KENNELS
1/8" = 1'-0"
0 5 10 25 FT



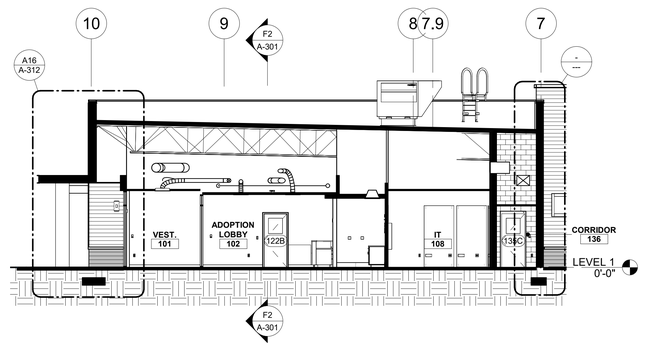
P11 A-301 BUILDING SECTION @ KENNELS
1/8" = 1'-0"
0 5 10 25 FT



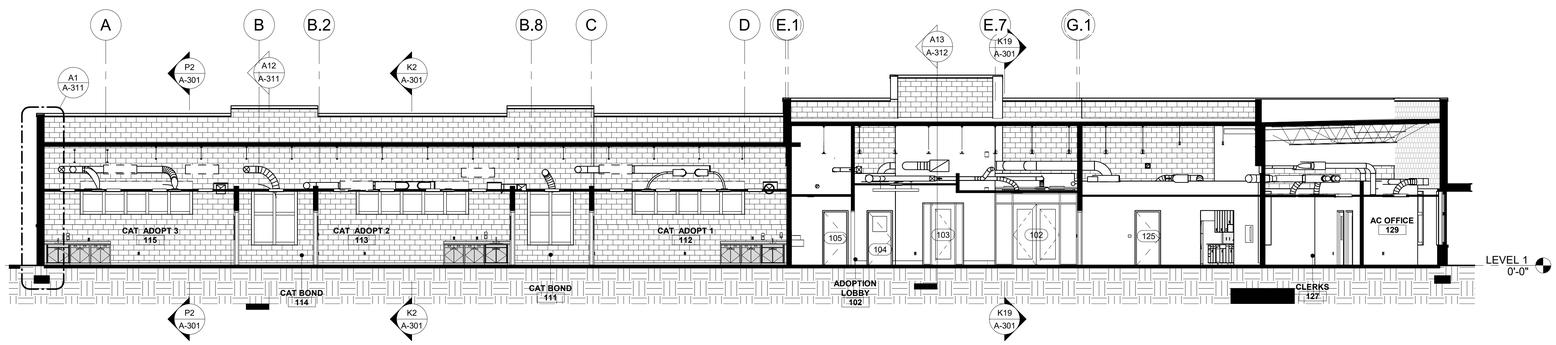
K2 A-301 BUILDING SECTION @ DOG YARD
1/8" = 1'-0"
0 5 10 25 FT



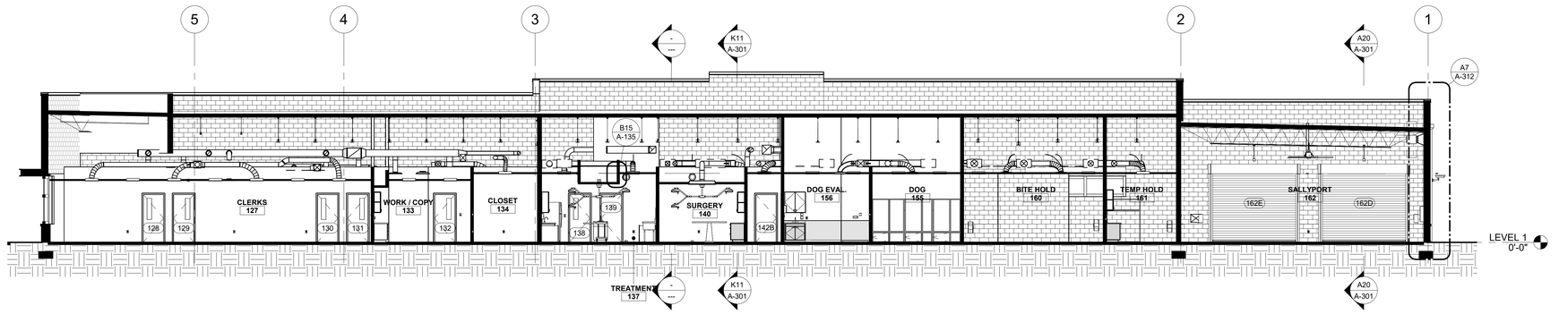
K11 A-301 BS-04 INTAKE LOBBY
1/8" = 1'-0"
0 5 10 25 FT



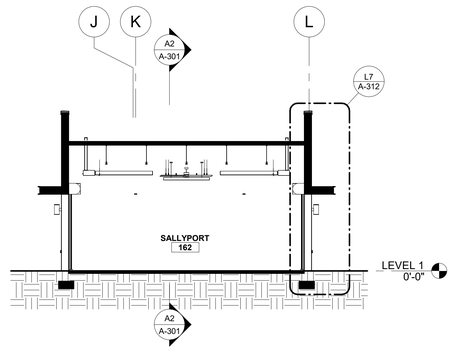
K19 A-301 BUILDING SECTION @ ADOPT LOBBY
1/8" = 1'-0"
0 5 10 25 FT



F2 A-301 BUILDING SECTION @ ADOPTION
1/8" = 1'-0"
0 5 10 25 FT



A2 A-301 BUILDING SECTION @ INTAKE
1/8" = 1'-0"
0 5 10 25 FT



A20 A-301 BS-05 SALLYPORT
1/8" = 1'-0"
0 5 10 25 FT

ALPHA BLDG SET 08-19-2025

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STATE OF GEORGIA
ALLISON L. HARDY
CERTIFICATE NO. 035307
REGISTERED ARCHITECT
03/07/2025

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HABERSHAM COUNTY ANIMAL SHELTER

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No.	Date	Description
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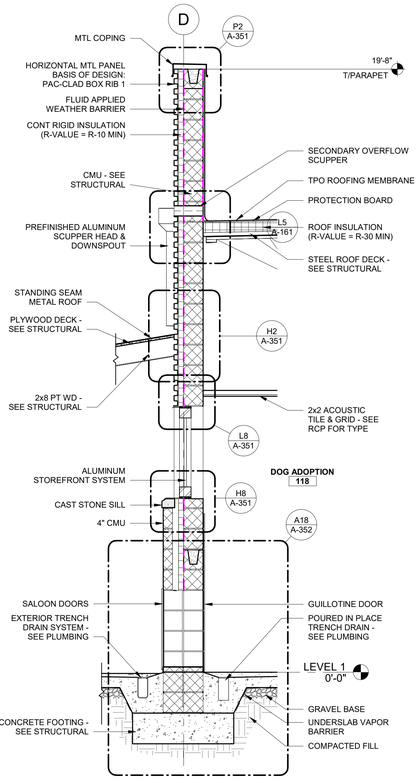
0	2024-06-10	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

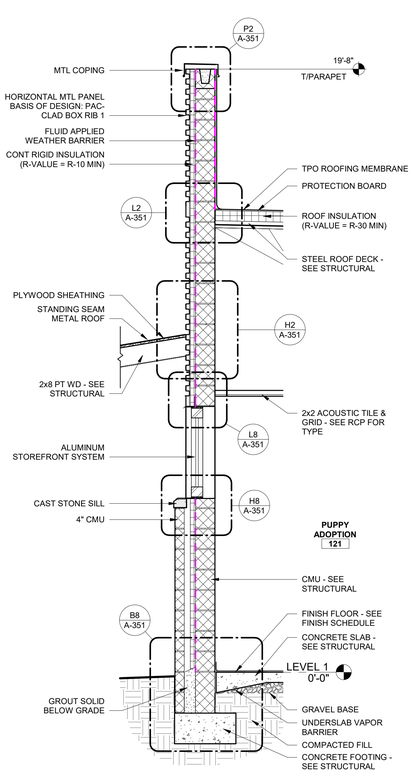
DRAWN: SLA
CHECKED: OH

SHEET TITLE
BUILDING SECTIONS

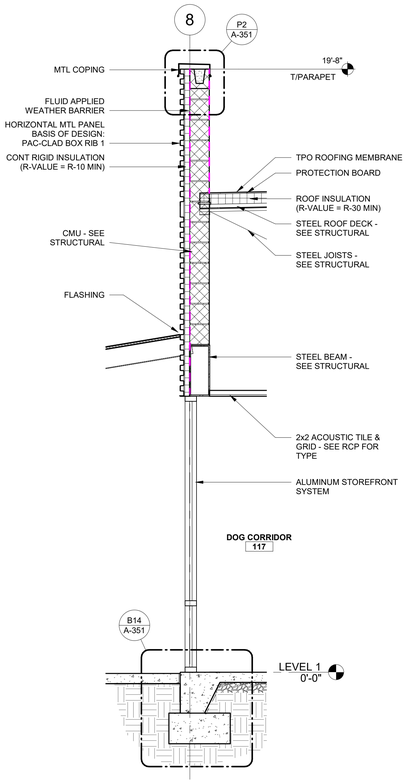
SHEET NO.
A-301
1



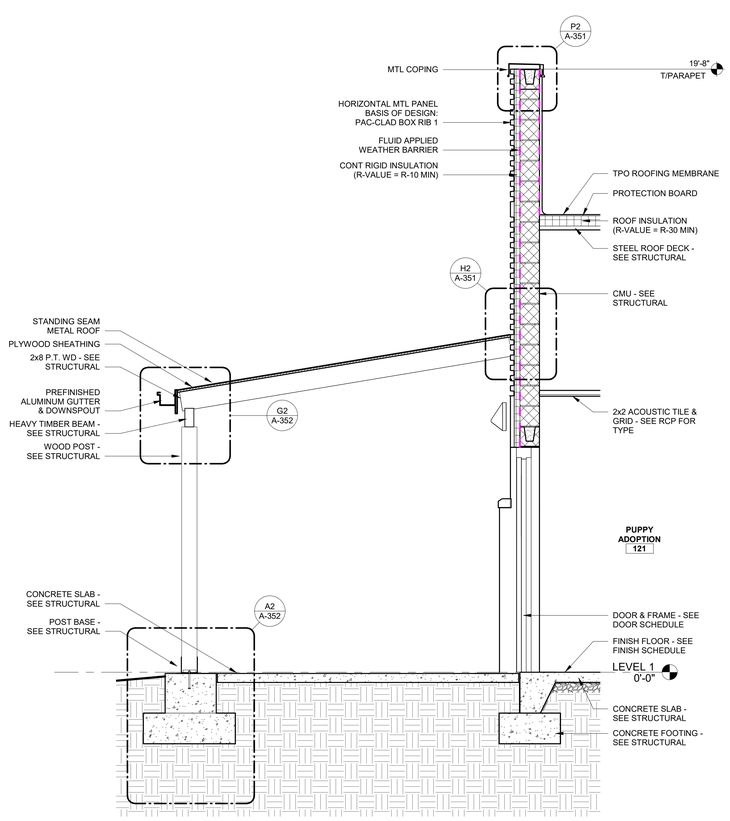
K4 A-311 WALL SECTION @ DOG DOORS
1/2" = 1'-0"



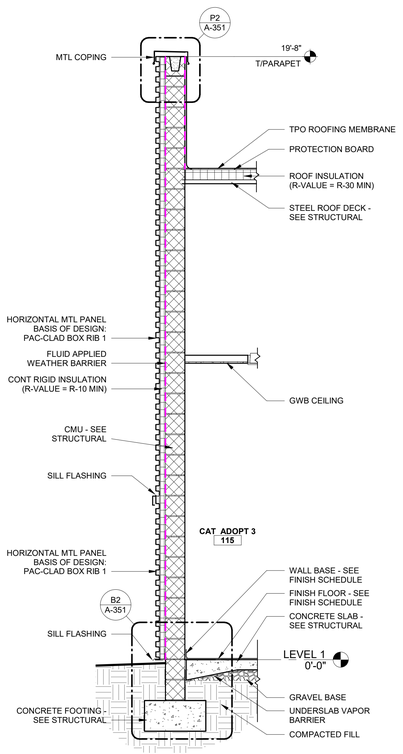
K10 A-311 WALL SECTION @ PUPPY ADOPTION
1/2" = 1'-0"



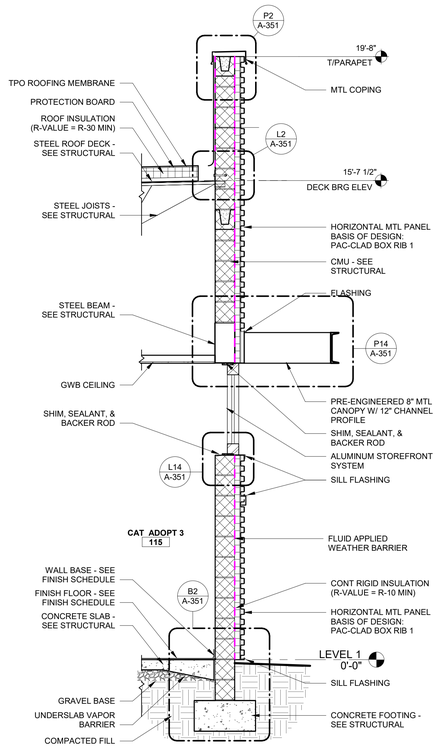
A18 A-311 WALL SECTION @ COVERED WALKWAY
1/2" = 1'-0"



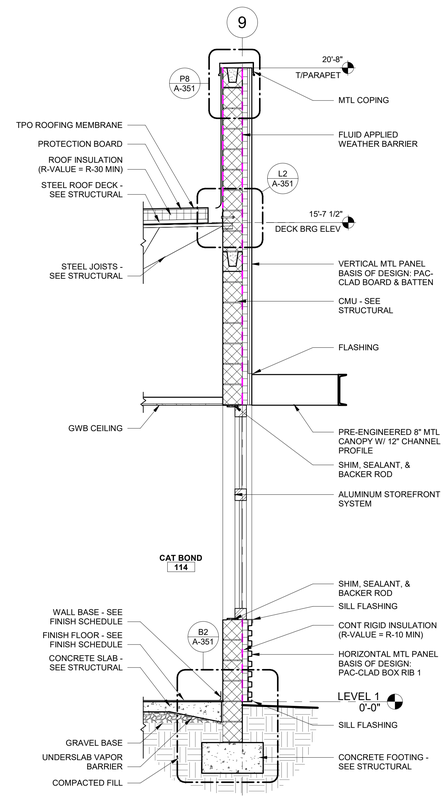
K18 A-311 WALL SECTION @ PUPPY ADOPTION
1/2" = 1'-0"



A1 A-311 WALL SECTION @ CAT ADOPT
1/2" = 1'-0"



A7 A-311 WALL SECTION @ CAT ADOPT
1/2" = 1'-0"



A12 A-311 WALL SECTION @ CAT BOND
1/2" = 1'-0"

ALPHA BLDG SET 08-19-2025

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STATE OF GEORGIA
ALLISON L. HARDY
CERTIFICATE NO. 035257
REGISTERED ARCHITECT
03/07/2025

OWNER

HABERSHAM COUNTY ANIMAL CONTROL
130 JACOBS WAY, SUITE 302
CLARKSVILLE, GA
30523

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CORNELIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-06-10	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

DRAWN: SLA
CHECKED: OH

SHEET TITLE
WALL SECTIONS

SHEET NO.
A-311

THIS SHEET PLOTS ON 42" X 30"

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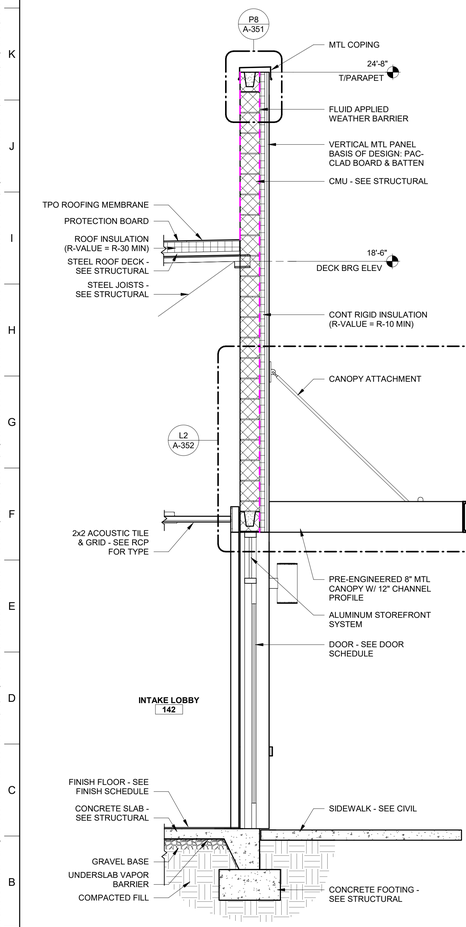
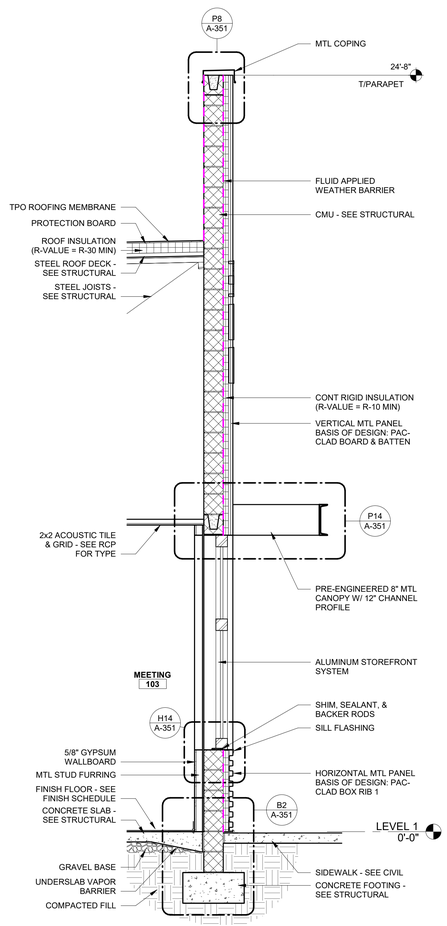
THIS SHEET PLOTS ON 42" X 30"

3" 2" 1" 1/2" 0

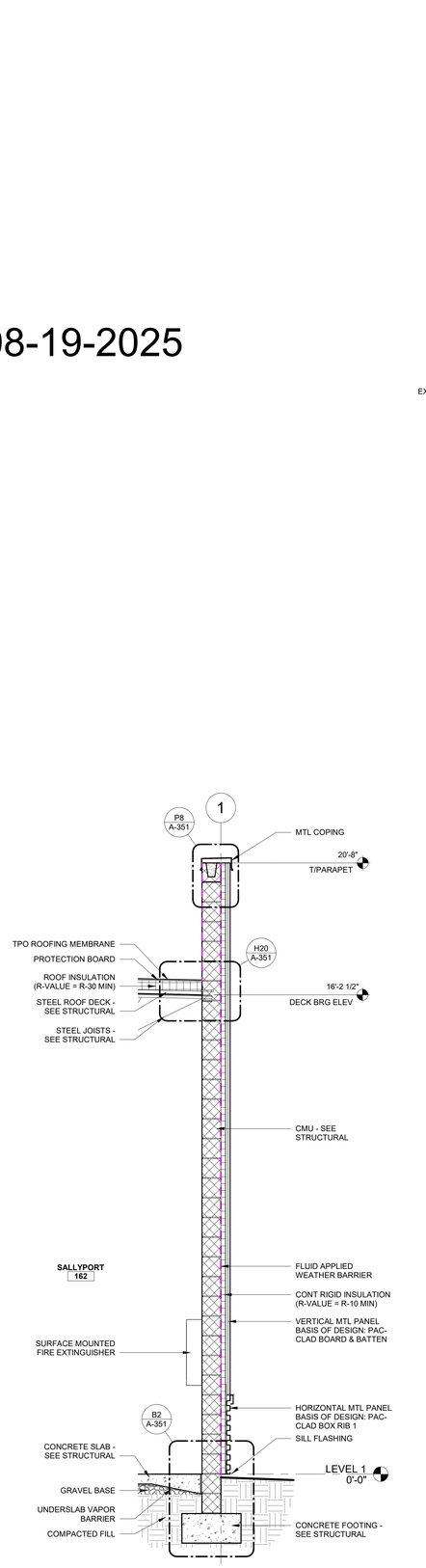
ALPHA BLDG SET 08-19-2025



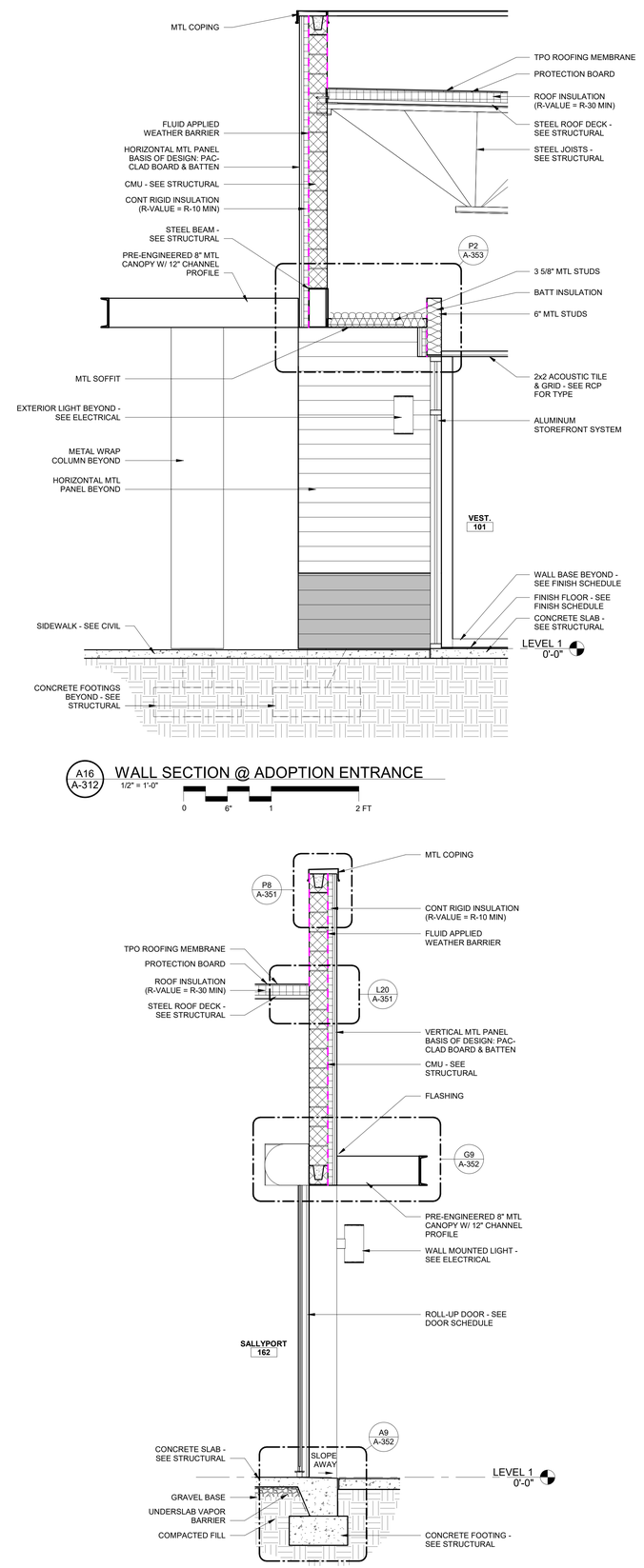
L13 A-312 WALL SECTION @ INTAKE
1/2" = 1'-0"
0 6" 1 2 FT



A13 A-312 WALL SECTION @ MEETING ROOM
1/2" = 1'-0"
0 6" 1 2 FT



A7 A-312 WALL SECTION @ SALLYPORT
1/2" = 1'-0"
0 6" 1 2 FT



A16 A-312 WALL SECTION @ ADOPTION ENTRANCE
1/2" = 1'-0"
0 6" 1 2 FT

L7 A-312 WALL SECTION @ SALLYPORT
1/2" = 1'-0"
0 6" 1 2 FT

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03/07/2025

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0	2024-06-10	PERMIT SET
		ISSUANCE

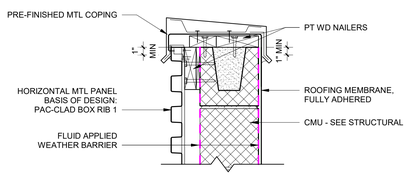
PROJECT NUMBER
2022-313

DRAWN: SLA
CHECKED: OH

SHEET TITLE
WALL SECTIONS

SHEET NO.
A-312

THIS SHEET PLOTS ON 42" X 30"



P2 A-351 SECTION DETAIL - COPING
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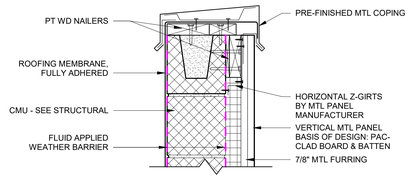
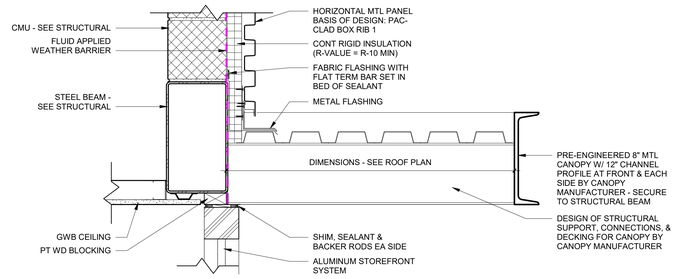
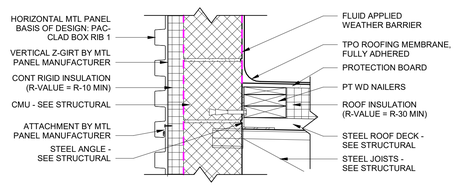
0 6" 1 2 FT



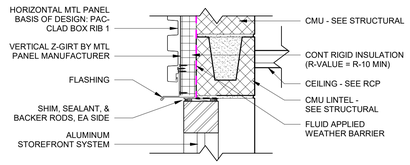
P8 A-351 SECTION DETAIL - COPING
1 1/2" = 1'-0"
0 6" 1 2 FT



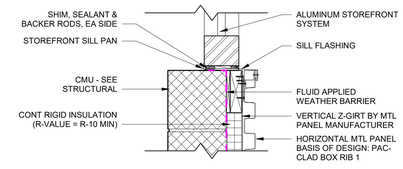
P14 A-351 SECTION DETAIL - CANOPY
1 1/2" = 1'-0"
0 6" 1 2 FT



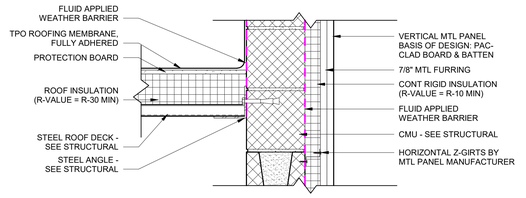
L2 A-351 SECTION DETAIL - ROOF (HIGH)
1 1/2" = 1'-0"
0 6" 1 2 FT



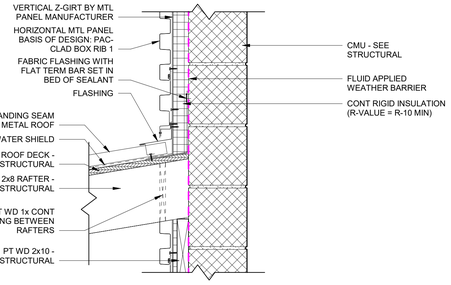
L8 A-351 SECTION DETAIL - WINDOW HEAD
1 1/2" = 1'-0"
0 6" 1 2 FT



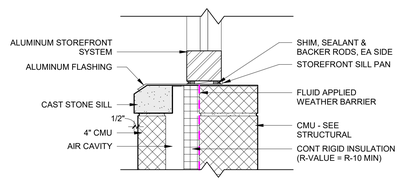
L14 A-351 SECTION DETAIL - WINDOW SILL
1 1/2" = 1'-0"
0 6" 1 2 FT



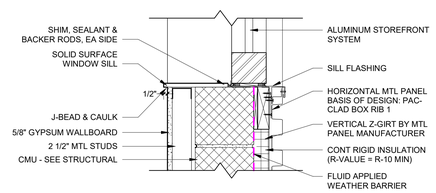
L20 A-351 SECTION DETAIL - ROOF
1 1/2" = 1'-0"
0 6" 1 2 FT



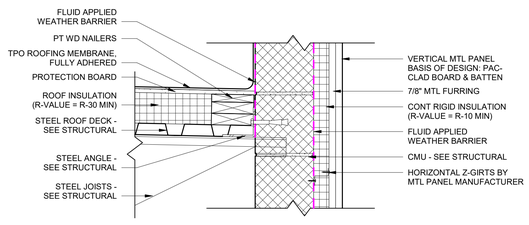
H2 A-351 SECTION DETAIL -
1 1/2" = 1'-0"
0 6" 1 2 FT



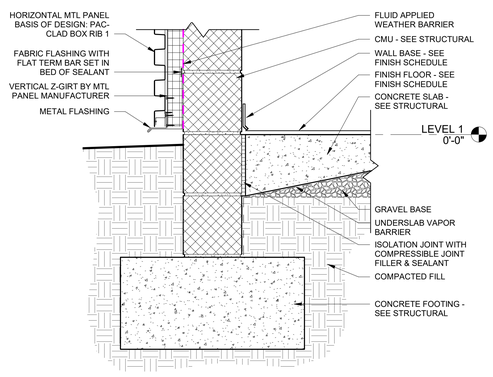
H8 A-351 SECTION DETAIL - WINDOW SILL
1 1/2" = 1'-0"
0 6" 1 2 FT



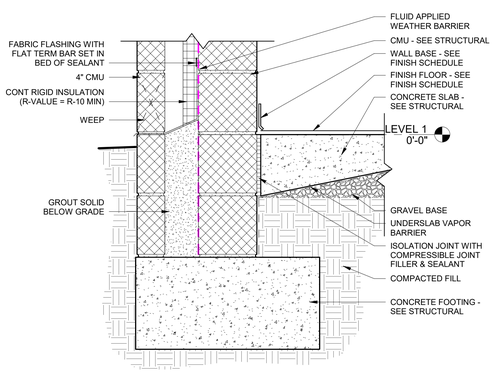
H14 A-351 SECTION DETAIL - WINDOW SILL
1 1/2" = 1'-0"
0 6" 1 2 FT



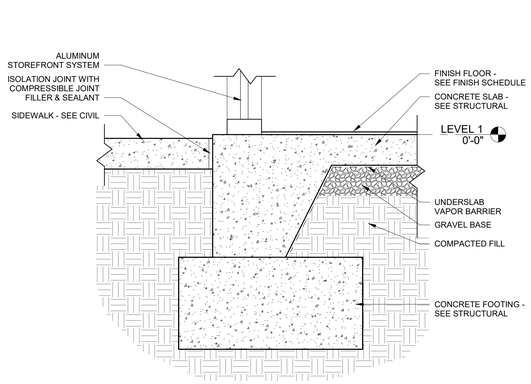
H20 A-351 SECTION DETAIL - ROOF (LOW)
1 1/2" = 1'-0"
0 6" 1 2 FT



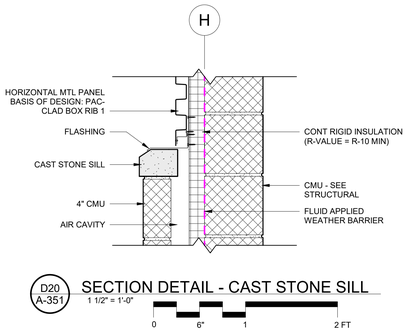
B2 A-351 SECTION DETAIL - FOOTING
1 1/2" = 1'-0"
0 6" 1 2 FT



B8 A-351 SECTION DETAIL - FOOTING
1 1/2" = 1'-0"
0 6" 1 2 FT



B14 A-351 SECTION DETAIL - FOOTING
1 1/2" = 1'-0"
0 6" 1 2 FT



D20 A-351 SECTION DETAIL - CAST STONE SILL
1 1/2" = 1'-0"
0 6" 1 2 FT

ALPHA BLDG SET 08-19-2025

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STATE OF GEORGIA
ALLISON L. HARDY
CERTIFICATE NO. 035871
REGISTERED ARCHITECT
09/07/2025

OWNER

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30523

HABERSHAM COUNTY ANIMAL SHELTER

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OLD ATHENS HWY
CORNELIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-06-10	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

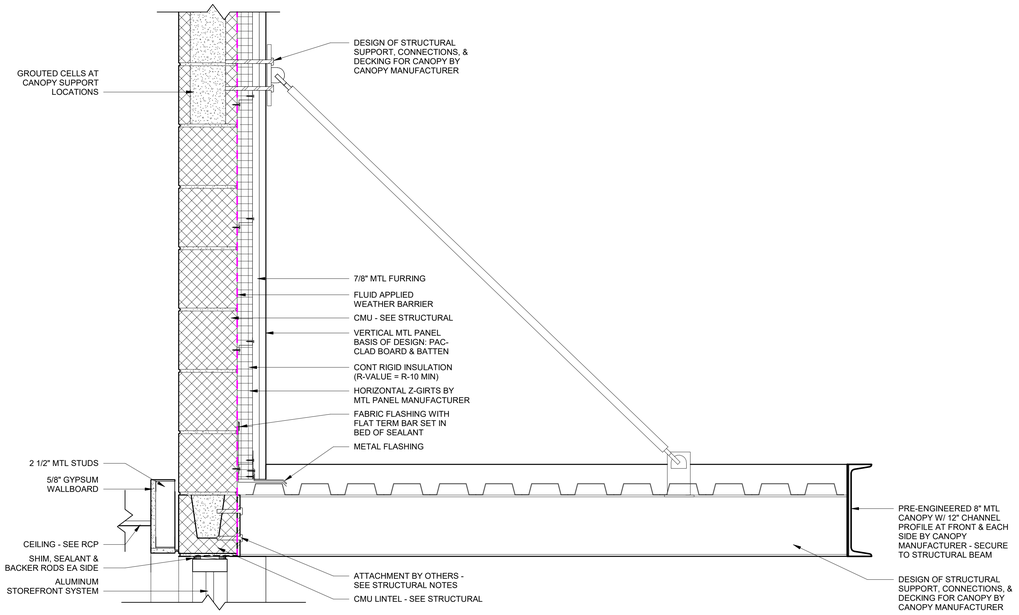
DRAWN: SLA
CHECKED: OH

SHEET TITLE
DETAILS

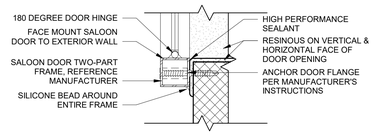
SHEET NO.
A-351
1

ALPHA BLDG SET 08-19-2025

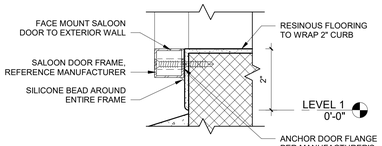
THIS SHEET PLOTS ON 42" X 30"



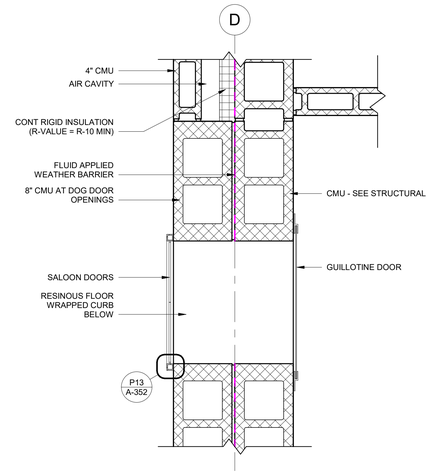
L2 A-352 SECTION DETAIL - CANOPY
1 1/2" = 1'-0"



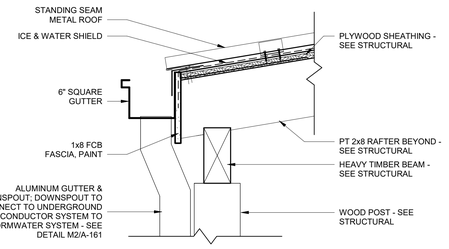
P13 A-352 SALOON DOOR JAMB
6" = 1'-0"



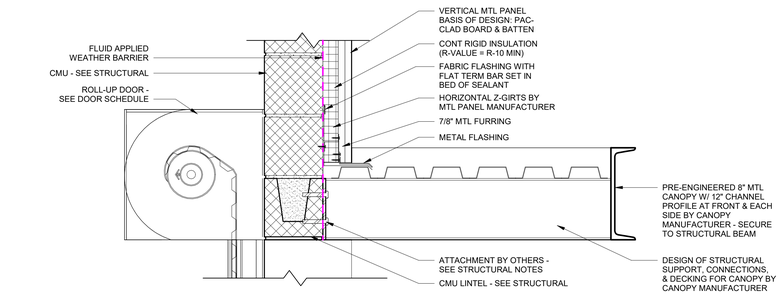
L13 A-352 SALOON DOOR SILL
6" = 1'-0"



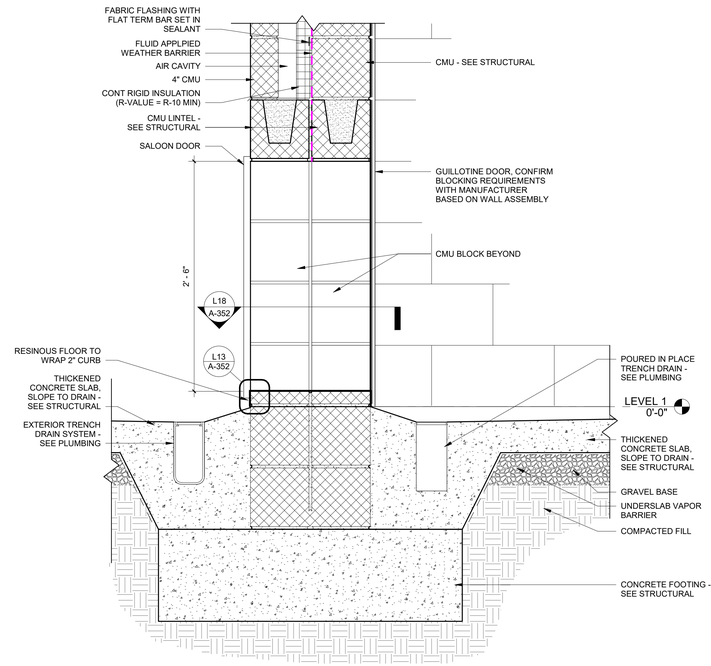
L18 A-352 SECTION DETAIL - DOG DOOR
1 1/2" = 1'-0"



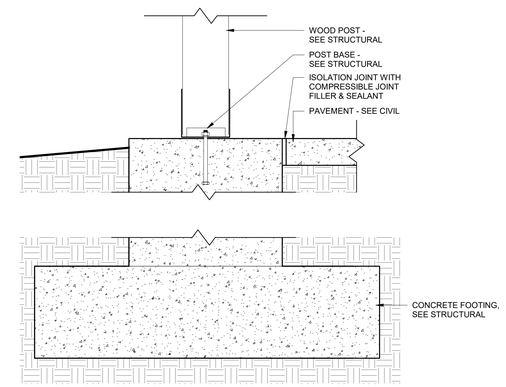
G2 A-352 SECTION DETAIL - POST & BEAM
1 1/2" = 1'-0"



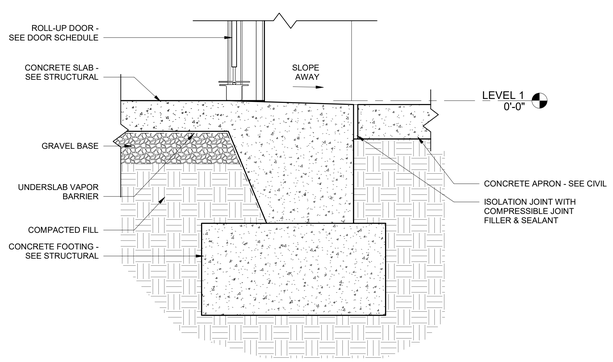
G9 A-352 SECTION DETAIL - ROLL-UP DOOR HEAD
1 1/2" = 1'-0"



A18 A-352 SECTION DETAIL - DOG KENNEL
1 1/2" = 1'-0"



A2 A-352 SECTION DETAIL - POST FOOTING
1 1/2" = 1'-0"



A9 A-352 SECTION DETAIL - ROLL-UP DOOR FOOTING
1 1/2" = 1'-0"

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PROJECT NUMBER
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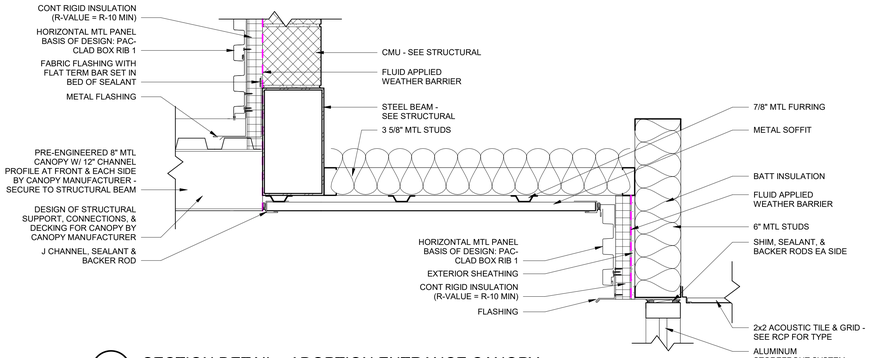
DRAWN: SLA
CHECKED: OH

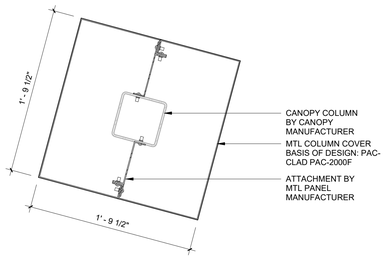
SHEET TITLE
DETAILS

SHEET NO.
A-352
1

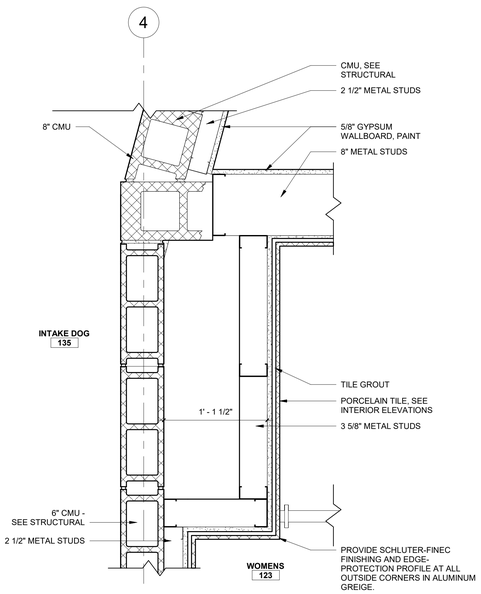
ALPHA BLDG SET 08-19-2025



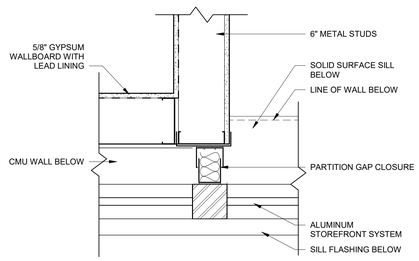
P2 A-353 SECTION DETAIL - ADOPTION ENTRANCE CANOPY
1 1/2" = 1'-0"



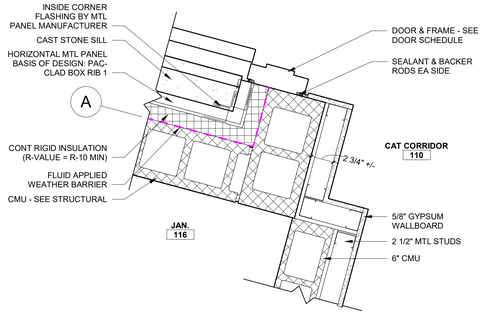
O13 A-353 PLAN DETAIL - CANOPY COLUMN WRAP
1 1/2" = 1'-0"



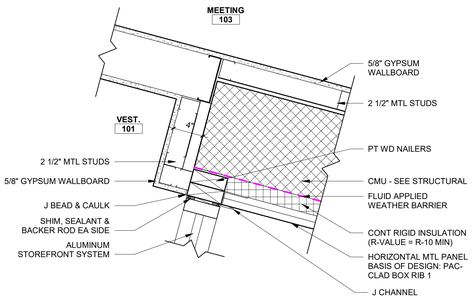
K20 A-353 PLAN DETAIL
1 1/2" = 1'-0"



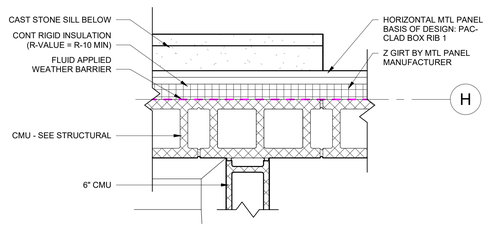
K2 A-353 PLAN DETAIL - WINDOW
1 1/2" = 1'-0"



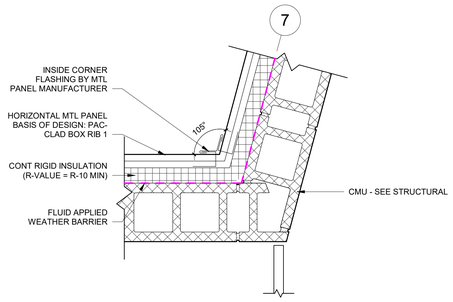
K8 A-353 PLAN DETAIL
1 1/2" = 1'-0"



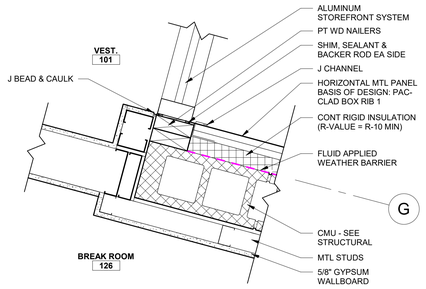
K13 A-353 PLAN DETAIL - STOREFRONT JAMB
1 1/2" = 1'-0"



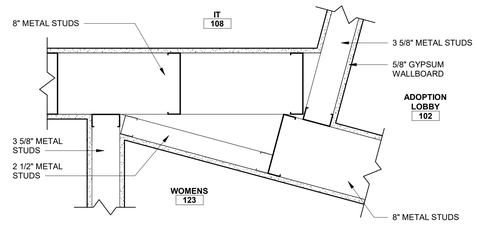
F2 A-353 PLAN DETAIL - CMU TO MTL PANEL (HIGH)
1 1/2" = 1'-0"



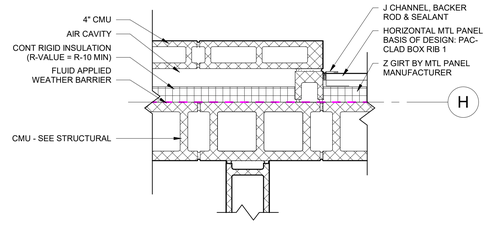
F8 A-353 PLAN DETAIL - INNER CORNER
1 1/2" = 1'-0"



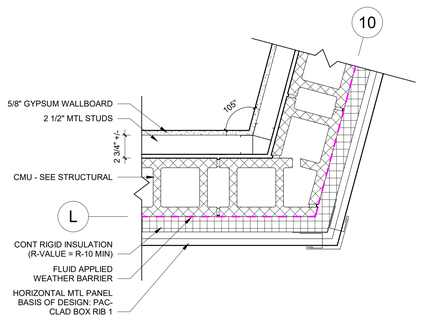
F13 A-353 PLAN DETAIL - JAMB @ ENTRANCE
1 1/2" = 1'-0"



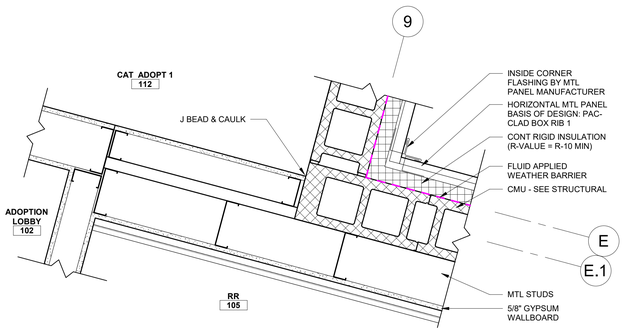
F20 A-353 PLAN DETAIL
1 1/2" = 1'-0"



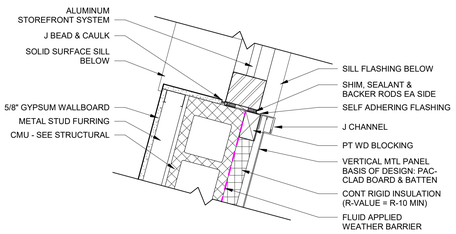
A2 A-353 PLAN DETAIL - CMU TO MTL PANEL (LOW)
1 1/2" = 1'-0"



A8 A-353 PLAN DETAIL - OUTER CORNER
1 1/2" = 1'-0"



A13 A-353 PLAN DETAIL
1 1/2" = 1'-0"



A20 A-353 PLAN DETAIL - WINDOW JAMB
1 1/2" = 1'-0"

THIS SHEET PLOTS ON 42" X 30"

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STATE OF GEORGIA
ALLISON L. HARDY
CERTIFICATE NO. 035871
REGISTERED ARCHITECT
03/07/2025

OWNER

HABERSHAM COUNTY ANIMAL CONTROL
130 JACOBS WAY, SUITE 302
CLARKSVILLE, GA
30523

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CORNELIA, GA
30531

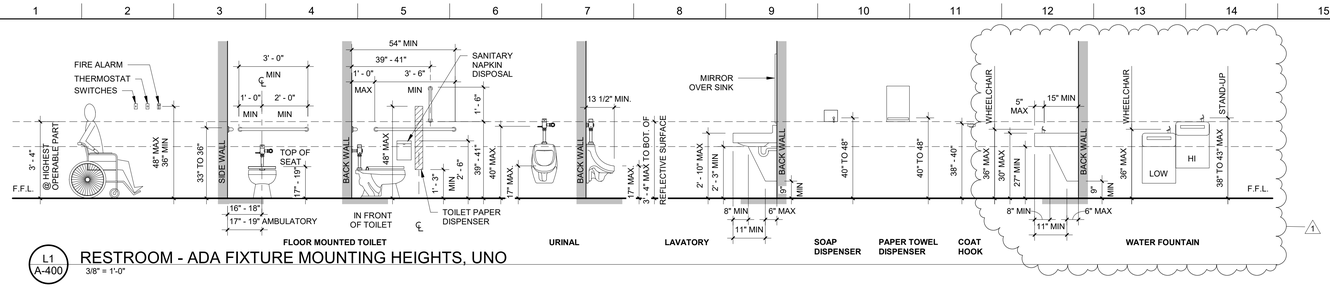
No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-06-10	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

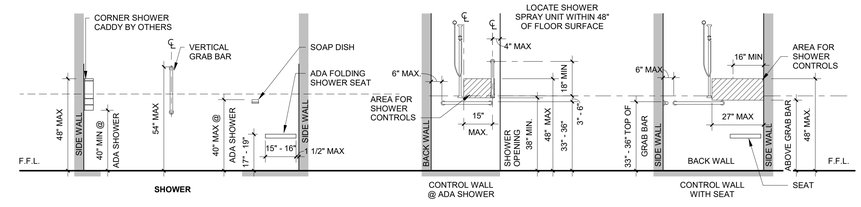
DRAWN: SLA
CHECKED: OH

SHEET TITLE
DETAILS

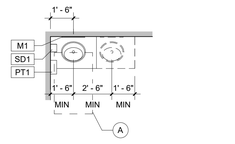
SHEET NO.
A-353



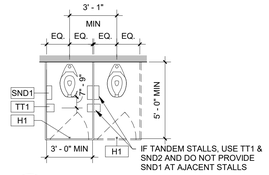
L1 A-400 RESTROOM - ADA FIXTURE MOUNTING HEIGHTS, UNO
3/8" = 1'-0"



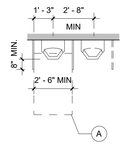
3 A-400 ADA SHOWER MOUNTING HEIGHTS
3/8" = 1'-0"



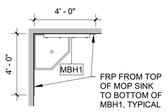
J4 A-400 COUNTER MOUNTED SINK
1/4" = 1'-0"



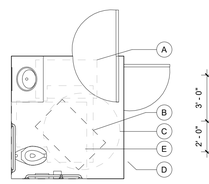
G7 A-400 TYP. TOILET STALL
1/4" = 1'-0"



J10 A-400 ADA URINAL
1/4" = 1'-0"



J7 A-400 JANITOR'S SINK
1/4" = 1'-0"



FLOOR MOUNTED WATER CLOSET

F12 A-400 RESTROOM - CLEAR FLOOR SPACE
1/4" = 1'-0"

CLEAR FLOOR SPACE REQUIREMENTS

- A 30" x 48" CLEAR FLOOR SPACE
- B 30" x 48" ALTERNATE CLEAR FLOOR SPACE
- C 60" DIAMETER
- D "T" SHAPED TURNING SPACE
- E 59" x 60" AT FLOOR MOUNTED WATER CLOSET*
- F 36" x 48" AT ENTRY TO TRANSFER SHOWER

1

* **NOTE:** WHEN PARTITION DOES NOT MEET MINIMUM TOE CLEARANCE REQUIRED, CLEAR FLOOR SPACE SHALL BE

AT FRONT PARTITION:

- 65" DEEP WITH FLOOR MOUNTED WATER CLOSET

AT SIDE PARTITION:

- 66" WIDE

ACCESSIBILITY NOTES:

1. GC TO PROVIDE FRT BLOCKING FOR ALL WALL MOUNTED FIXTURES AND ACCESSORIES.
2. "LAV GUARD" MODEL #102 BY "TRUEBRO" OR EQUAL TO BE USED AS PROTECTION/ INSULATION FOR EXPOSED PIPES.
3. A ROBE HOOK SHALL BE MOUNTED ON THE BACK SIDE OF ALL STALL DOORS & DOORS AT SINGLE USE RESTROOMS, UNLESS A COMBINATION HOOK/ RUBBER STOP BUMPER IS PROVIDED AS PART OF THE TOILET STALL PARTITIONS.
4. FLUSH HANDLE TO BE ON OPEN SIDE OF WATER CLOSET.
5. INSIDE FACE OF GRAB BARS TO BE 1-1/2" FROM THE FACE OF PARTITION.
6. SHOWER FLOOR TO HAVE MAX 2.08% SLOPE IN ANY DIRECTION.
7. IF THERE IS A CHANGE IN FLOOR LEVEL AT THE SHOWER STALL IT SHALL BE 1/2" HIGH MAX OR BEVELED 1:2.

ADA RESTROOM SIGNAGE:

ADA SHOWER SIGNAGE:

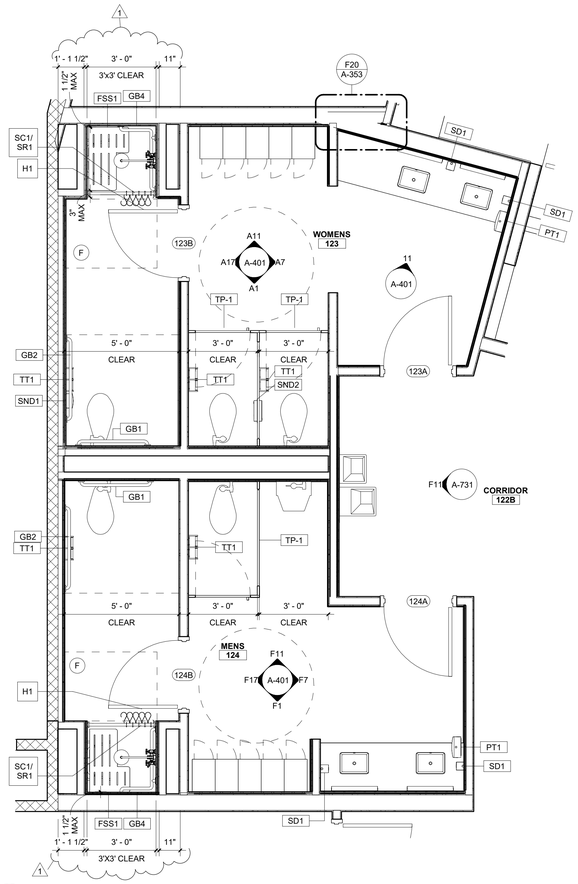
SIGNAGE NOTES:

1. ALL SIGNAGE BY GC, COORDINATE WITH OWNER.
2. CHARACTERS/SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND.
3. IDENTIFICATION SYMBOLS TO BE MOUNTED ON THE WALL ON LATCH SIDE OF DOOR AND SHALL BE DISTINCTLY DIFFERENT FROM THE DOOR IN COLOR AND CONTRAST.
4. PROVIDE ROOM IDENTIFICATION SIGN ON WALL TO LATCH SIDE OF DOOR.
5. LETTERS AND NUMBERS ON SIGNS SHALL BE RAISED 1/32" MIN, SHALL BE MIN 5/8" HIGH, AND SHALL BE SANS-SERIF UPPERCASE CHARACTERS.

RESTROOM ACCESSORIES SCHEDULE

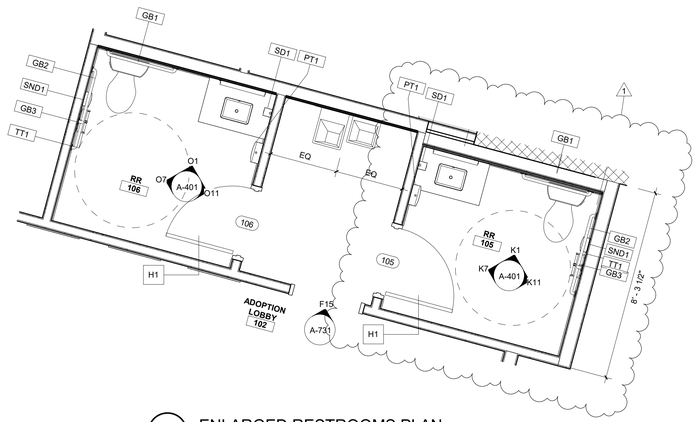
MARK	MANUF.	DESCRIPTION	MODEL #	REMARKS
FSS1	BOBRICK	FOLDING SHOWER SEAT	B-5181	
GB1	BOBRICK	GRAB BAR - 36"	B-6806 SERIES	
GB2	BOBRICK	GRAB BAR - 42"	B-6806 SERIES	
GB3	BOBRICK	GRAB BAR - 18"	B-6806 SERIES	
GB4	BOBRICK	TWO-WALL SHOWER GRAB BAR	B-6861	
H1	BOBRICK	DOUBLE ROBE HOOK	B-6727	MOUNT 48" AFF
M1	BOBRICK	CHANNEL-FRAME MIRROR	B-165 24x36	
MBH1	BOBRICK	SHELF WITH MOP & BROOM HOLDERS	B-224x36	
PT1	BOBRICK	PAPER TOWEL DISPENSER	B-4262	
SC1	BOBRICK	42" x 72" SHOWER CURTAIN	B-204-2	
SD1	BOBRICK	SURFACE-MOUNTED SOAP DISPENSER	B-2111	
SND1	BOBRICK	SURFACE-MOUNTED SANITARY NAPKIN DISPOSAL	B-270	
SND2	BOBRICK	PARTITION-MOUNTED SANITARY NAPKIN DISPOSAL	B-354	
SR1	BOBRICK	SHOWER CURTAIN ROD & 7 HOOKS	B-207x36 & B-204	NOTE 5
TP-1	ASI	FLOOR MOUNTED, OVERHEAD BRACED SOUND PHENOLIC COLOR THROUGH TOILET PARTITION; GRAPHITE (2150)		
TT1	BOBRICK	DOUBLE-ROLL TOILET TISSUE DISPENSER	B-2740	NOTE 3

1. BASIS OF DESIGN: ALL ACCESSORIES TO BE BOBRICK OR EQUAL, UNO.
2. ALL ACCESSORIES TO BE STAINLESS STEEL SATIN FINISH, UNO.
3. TT1 TO BE ALUM FINISH.
4. SEE ELEVATIONS FOR MOUNTING HEIGHTS.
5. ROD LENGTH TO BE FULL WIDTH OF ENTRY OPENING, VIF.



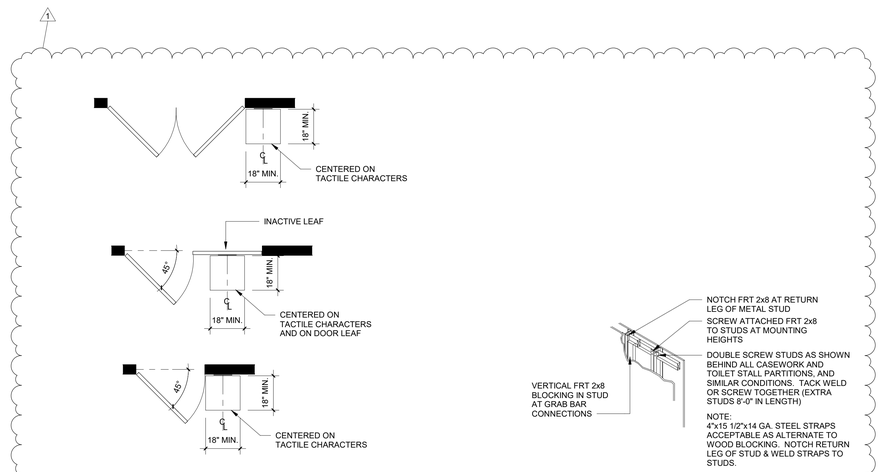
A1 A-400 ENLARGED RESTROOMS PLAN
3/8" = 1'-0"

0 5 10 FT



A9 A-400 ENLARGED RESTROOMS PLAN
3/8" = 1'-0"

0 5 10 FT



A11 A-400 LOCATION OF TACTILE SIGNS @ DOORS
NOT TO SCALE

A8 A-400 BLOCKING DETAIL
NOT TO SCALE

ALPHA BLDG SET 08-19-2025

THIS SHEET PLOTS ON 42" X 30"

3" 2" 1 1/2" 1" 0

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REGISTERED ARCHITECT
03/07/2025

OWNER

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No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-06-10	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

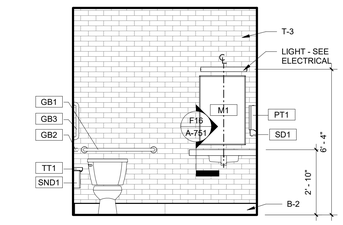
DRAWN: SLA
CHECKED: OH

SHEET TITLE
STANDARD RESTROOM DETAILS

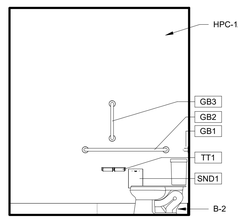
SHEET NO.
A-400

THIS SHEET PLOTS ON 42" X 30"

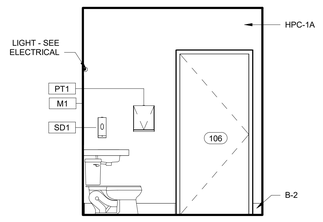
3" 2" 1" 1/2" 0



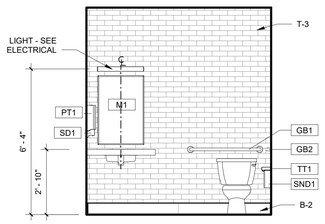
O1 A-401 SINGLE RESTROOM (106) - NORTH VIEW
3/8" = 1'-0"



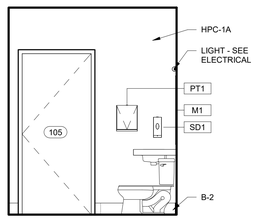
O7 A-401 SINGLE RESTROOM (106) - WEST VIEW
3/8" = 1'-0"



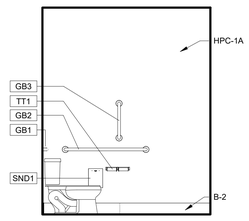
O11 A-401 SINGLE RESTROOM (106) - EAST VIEW
3/8" = 1'-0"



K1 A-401 SINGLE RESTROOM (105) - NORTH VIEW
3/8" = 1'-0"

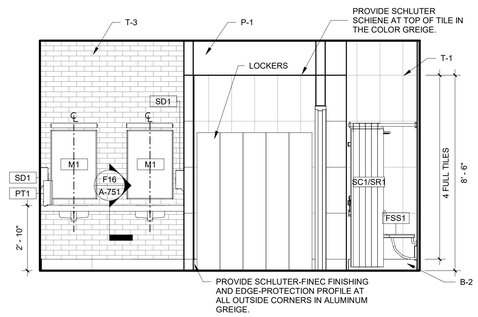


K7 A-401 SINGLE RESTROOM (105) - WEST VIEW
3/8" = 1'-0"

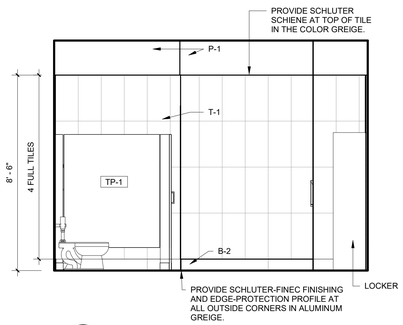


K11 A-401 SINGLE RESTROOM (105) - EAST VIEW
3/8" = 1'-0"

ALPHA BLDG SET 08-19-2025



F1 A-401 MENS RR SOUTH VIEW
3/8" = 1'-0"



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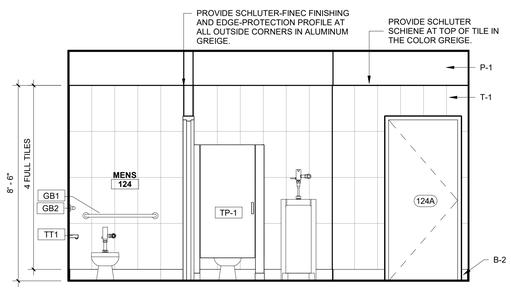
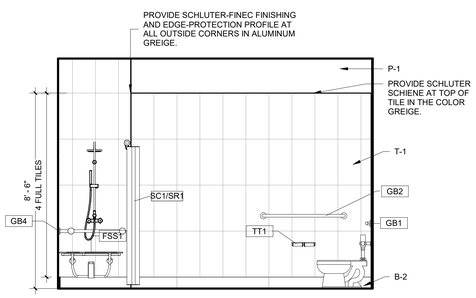
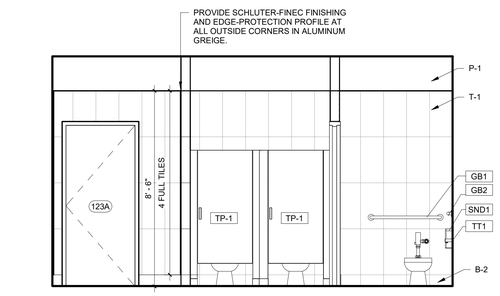
3/8" = 1'-0"



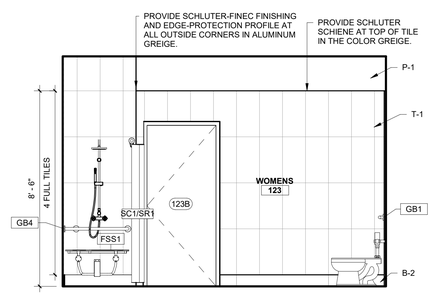
F11 A-401 MENS RR NORTH VIEW
3/8" = 1'-0"



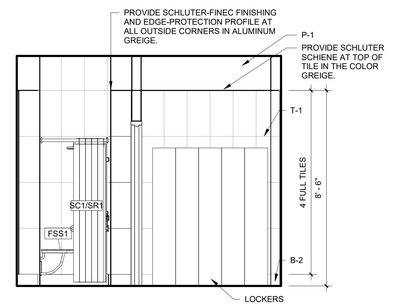
F17 A-401 MENS RR WEST VIEW
3/8" = 1'-0"



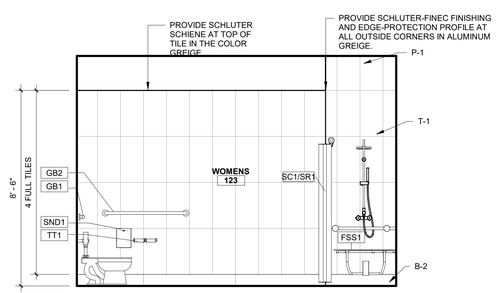
A1 A-401 WOMENS RR SOUTH VIEW
3/8" = 1'-0"



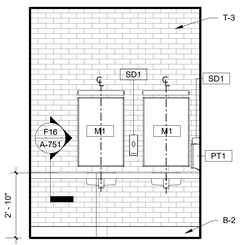
A7 A-401 WOMENS RR EAST VIEW
3/8" = 1'-0"



A-401 WOMENS RR NORTH VIEW
3/8" = 1'-0"



A17 A-401 WOMENS RR WEST VIEW
3/8" = 1'-0"



11 A-401 WOMENS RR - VANITY
3/8" = 1'-0"

NOTE:

1. ALL INTERIOR RESTROOM ELEVATIONS SHOW TILE PATTERN.
2. CONTINUE TILE PATTERN BEHIND AND MIRRORS.

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0	2024-06-10	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

DRAWN: TD
CHECKED: AA

SHEET TITLE
RESTROOM ELEVATIONS

SHEET NO.
A-401

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THIS SHEET PLOTS ON 42" X 30"

DOOR AND FRAME SCHEDULE

DOOR NUMBER	DOOR PANEL(S) TYPE	# OF PANEL(S)	SIZE WIDTH	SIZE HEIGHT	SIZE THICKNESS	DOOR PANEL(S) MATERIAL	DOOR PANEL(S) FINISH	DOOR FRAME TYPE	DOOR FRAME MATERIAL	DOOR FRAME FINISH	DETAIL # HEAD	DETAIL # JAMB	DETAIL # SILL	GLAZING	FIRE RATING (MINUTES)	HARDWARE	REMARKS
1. MAIN BUILDING																	
101	FG	2	3'-0"	8'-0"	1 3/4"	ALUM	DB ANOD	--	ALUM	DB ANOD	--	--	--	SAFETY	--	1.0	2.
102	FG	2	3'-0"	8'-0"	1 3/4"	ALUM	CL ANOD	--	ALUM	CL ANOD	--	--	--	SAFETY	--	8.0	-
102B	--	-	3'-0"	7'-0"	-	--	--	HM1	HM	PAINT	H1	J1	--	--	--	--	1.
103	FG	1	3'-0"	8'-0"	1 3/4"	ALUM	CL ANOD	--	ALUM	CL ANOD	--	--	--	SAFETY	--	9.0	--
104	G	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	SAFETY	--	22.0	--
105	F	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	--	--	21.0	--
106	F	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	--	--	21.0	--
107	G	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	SAFETY	--	18.0	--
108	F	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	--	--	13.0	2.
109A	FG	1	3'-0"	8'-0"	1 3/4"	ALUM	CL ANOD	--	ALUM	CL ANOD	--	--	--	SAFETY	--	9.0	2.
109B	FG	1	3'-0"	8'-0"	1 3/4"	ALUM	CL ANOD	--	ALUM	CL ANOD	--	--	--	SAFETY	--	9.0	--
109C	FG	1	3'-0"	8'-0"	1 3/4"	ALUM	CL ANOD	--	ALUM	CL ANOD	--	--	--	SAFETY	--	9.0	--
110	N1	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM2	HM	PAINT	H4	J4	--	SAFETY	--	2.0	2.
111	G	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	SAFETY	--	22.0	--
112	N1	1	3'-0"	7'-0"	1 3/4"	FRP	PRE-FINISHED	HM1	HM	PAINT	H1	J1	--	SAFETY	--	24.0	--
113A	N1	1	3'-0"	7'-0"	1 3/4"	FRP	PRE-FINISHED	HM1	HM	PAINT	H1	J1	--	SAFETY	--	24.0	--
113B	N1	1	3'-0"	7'-0"	1 3/4"	FRP	PRE-FINISHED	HM1	HM	PAINT	H1	J1	--	SAFETY	--	24.0	--
114	G	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	SAFETY	--	22.0	--
115	N1	1	3'-0"	7'-0"	1 3/4"	FRP	PRE-FINISHED	HM1	HM	PAINT	H1	J1	--	SAFETY	--	24.0	--
116	F	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H3	J3	--	--	--	14.0	--
117	FG	1	3'-0"	8'-0"	1 3/4"	ALUM	CL ANOD	--	ALUM	CL ANOD	--	--	--	SAFETY	--	9.0	--
118A	G	1	3'-0"	7'-0"	1 3/4"	FRP	PRE-FINISHED	HM2	HM	PAINT	H2	J2	--	SAFETY	--	24.0	--
118B	G	1	3'-0"	7'-0"	1 3/4"	FRP	PRE-FINISHED	HM2	HM	PAINT	H4	J5	--	SAFETY	--	4.0	2.
118C	G	1	3'-0"	7'-0"	1 3/4"	FRP	PRE-FINISHED	HM2	HM	PAINT	H4	J5	--	SAFETY	--	2.0	2.
118D	G	1	3'-0"	7'-0"	1 3/4"	FRP	PRE-FINISHED	HM2	HM	PAINT	H2	J2	--	SAFETY	--	24.0	2.
119	G	1	3'-0"	7'-0"	1 3/4"	FRP	PRE-FINISHED	HM2	HM	PAINT	H2	J2	--	SAFETY	--	15.0	--
120A	G	1	3'-0"	7'-0"	1 3/4"	FRP	PRE-FINISHED	HM2	HM	PAINT	H2	J2	--	SAFETY	--	24.0	--
120B	G	1	3'-0"	7'-0"	1 3/4"	FRP	PRE-FINISHED	HM2	HM	PAINT	H2	J2	--	SAFETY	--	12.0	--
120C	G	1	3'-0"	7'-0"	1 3/4"	FRP	PRE-FINISHED	HM2	HM	PAINT	H4	J5	--	SAFETY	--	4.0	2.
121A	G	1	3'-0"	7'-0"	1 3/4"	FRP	PRE-FINISHED	HM2	HM	PAINT	H2	J2	--	SAFETY	--	24.0	--
121B	G	1	3'-0"	7'-0"	1 3/4"	FRP	PRE-FINISHED	HM2	HM	PAINT	H4	J5	--	SAFETY	--	2.0	2.
122A	G	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	SAFETY	--	25.0	--
122B	G	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	SAFETY	--	25.0	2.
123A	F	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	--	--	26.0	--
123B	F	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	--	--	20.0	--
124A	F	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	--	--	26.0	--
124B	F	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	--	--	20.0	--
125	F	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	--	--	14.0	--
126	--	-	4'-0"	7'-0"	-	--	--	HM1	HM	PAINT	H1	J1	--	--	--	--	1.
127	N1	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	SAFETY	--	19.0	--
128	N1	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	SAFETY	--	16.0	--
129	N1	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	SAFETY	--	16.0	--
130	N1	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	SAFETY	--	16.0	--
131	N1	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	SAFETY	--	16.0	--
132	N1	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	SAFETY	--	16.0	--
134	F	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	--	--	22.0	--
135A	G	1	3'-0"	7'-0"	1 3/4"	FRP	PRE-FINISHED	HM2	HM	PAINT	H2	J2	--	SAFETY	--	24.0	--
135B	G	1	3'-0"	7'-0"	1 3/4"	FRP	PRE-FINISHED	HM2	HM	PAINT	H2	J2	--	SAFETY	--	12.0	--
135C	G	1	3'-0"	7'-0"	1 3/4"	FRP	PRE-FINISHED	HM2	HM	PAINT	H2	J2	--	SAFETY	--	24.0	2.
135D	G	1	3'-0"	7'-0"	1 3/4"	FRP	PRE-FINISHED	HM2	HM	PAINT	H4	J4	--	SAFETY	--	2.0	2.
136	N1	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM2	HM	PAINT	H4	J4	--	SAFETY	--	4.0	2.
137	N1	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	SAFETY	--	22.0	2.
138	N1	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	SAFETY	--	18.0	--
139	F	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	--	--	18.0	--
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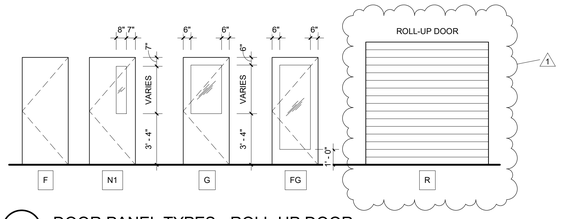
141A	N1	2	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	SAFETY	--	23.0	--
141B	G	1	3'-0"	7'-0"	1 3/4"	FRP	PRE-FINISHED	HM2	HM	PAINT	H2	J2	--	SAFETY	--	12.0	--
142A	FG	2	3'-0"	8'-0"	1 3/4"	ALUM	DB ANOD	--	ALUM	DB ANOD	--	--	--	SAFETY	--	1.0	2.
142B	F	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	--	--	25.0	--
143	N1	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	SAFETY	--	22.0	--
144	N1	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	SAFETY	--	25.0	--
145	N1	1	3'-0"	7'-0"	1 3/4"	FRP	PRE-FINISHED	HM1	HM	PAINT	H1	J1	--	SAFETY	--	24.0	--
146	N1	1	3'-0"	7'-0"	1 3/4"	FRP	PRE-FINISHED	HM1	HM	PAINT	H1	J1	--	SAFETY	--	24.0	--
147A	N1	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	SAFETY	--	25.0	--
147B	F	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM2	HM	PAINT	H4	J4	--	--	--	2.0	2.
148	N1	1	3'-0"	7'-0"	1 3/4"	FRP	PRE-FINISHED	HM1	HM	PAINT	H1	J1	--	SAFETY	--	24.0	--
149	N1	1	3'-0"	7'-0"	1 3/4"	FRP	PRE-FINISHED	HM1	HM	PAINT	H1	J1	--	SAFETY	--	24.0	--
150	N1	1	3'-0"	7'-0"	1 3/4"	FRP	PRE-FINISHED	HM1	HM	PAINT	H1	J1	--	SAFETY	--	24.0	--
151	N1	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	SAFETY	--	11.0	--
153	G	1	3'-0"	7'-0"	1 3/4"	FRP	PRE-FINISHED	HM2	HM	PAINT	H2	J2	--	SAFETY	--	24.0	--
154	G	1	3'-0"	7'-0"	1 3/4"	FRP	PRE-FINISHED	HM2	HM	PAINT	H2	J2	--	SAFETY	--	24.0	--
155	N1	1	3'-0"	7'-0"	1 3/4"	FRP	PRE-FINISHED	HM1	HM	PAINT	H1	J1	--	SAFETY	--	24.0	--
156A	N1	1	3'-0"	7'-0"	1 3/4"	FRP	PRE-FINISHED	HM1	HM	PAINT	H1	J1	--	SAFETY	--	24.0	--
156B	N1	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	SAFETY	--	22.0	-
157	F	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	--	45	13.0	--
158A	F	2	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	--	45	10.0	--
158B	F	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM2	HM	PAINT	H4	J4	--	--	--	6.0	2.
158C	--	--	6'-0"	7'-0"	--	--	--	HM1	HM	PAINT	H1	J1	--	--	--	--	1.
159A	F	2	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	--	45	10.0	-
159B	R	1	10'-0"	10'-0"	--	--	--	--	--	--	H8	J7	--	--	--	28.0	--
160	G	1	3'-0"	7'-0"	1 3/4"	FRP	PRE-FINISHED	HM2	HM	PAINT	H2	J2	--	SAFETY	--	24.0	2.
161A	G	1	3'-0"	7'-0"	1 3/4"	FRP	PRE-FINISHED	HM2	HM	PAINT	H2	J2	--	SAFETY	--	24.0	--
161B	G	1	3'-0"	7'-0"	1 3/4"	FRP	PRE-FINISHED	HM2	HM	PAINT	H2	J2	--	SAFETY	45	17.0	2.
162A	N1	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM2	HM	PAINT	H2	J2	--	SAFETY	45	17.0	2.
162B	R	1	12'-0"	10'-0"	--	--	--	--	--	--	H8	J7	--	--	--	28.0	--
162C	R	1	12'-0"	10'-0"	--	--	--	--	--	--	H8	J7	--	--	--	28.0	--
162D	R	1	12'-0"	10'-0"	--	--	--	--	--	--	H8	J7	--	--	--	28.0	--
162E	R	1	12'-0"	10'-0"	--	--	--	--	--	--	H8	J7	--	--	--	28.0	-
163	F	2	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM2	HM	PAINT	H4	J4	--	--	--	5.0	2.
164A	F	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM1	HM	PAINT	H1	J1	--	--	--	13.0	--
164B	F	1	3'-0"	7'-0"	1 3/4"	HM	PAINT	HM2	HM	PAINT	H4	J4	--	--	--	3.0	2.

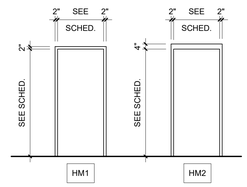
Grand total: 91

DOOR AND FRAME SCHEDULE REMARKS KEYNOTES:

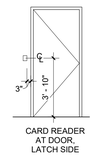
1. CASED OPENING
2. CARD READER
3. DOUBLE SWING



Q9 / A-601 DOOR PANEL TYPES - ROLL-UP DOOR
1/4" = 1'-0"



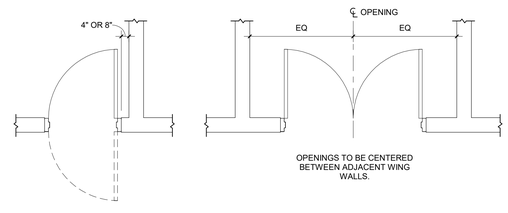
N9 / A-601 DOOR FRAME TYPES
1/4" = 1'-0"



N12 / A-601 CARD READER LOCATION
1/4" = 1'-0"

TYPICAL OPENING POSITION:
AT STUD WALLS, SET HINGE JAMB FRAME 4" FROM FACE OF WING WALL, UNLESS NOTED OTHERWISE OR CENTERED BETWEEN WING WALLS.

AT CMU WALLS, SET HINGE JAMB 8" FROM FACE OF WING WALL, UNLESS NOTED OTHERWISE OR CENTERED BETWEEN WING WALLS.



J9 / A-601 DIAGRAMMATIC LAYOUTS FOR DOOR OPENINGS
NOT TO SCALE

GENERAL DOOR NOTES:

1. ALL DOOR HARDWARE TO BE HANDICAP ACCESSIBLE.
2. PROTECTION PLATE: SEE SPECIFICATIONS FOR KICK PLATES, MOP PLATES, AND ARMOR PLATES. LOCATE PER HARDWARE SETS.
3. SEE A-400 FOR SIGNAGE INFORMATION.
4. SEE HARDWARE SPECIFICATION FOR DOOR CLOSER LOCATIONS.
5. EXIT DOORS ARE TO HAVE PANIC HARDWARE (PH) AT LOCATIONS INDICATED ON THE LIFE SAFETY PLAN. MUST NOT BE UNLOCKED BY KEY FROM THE INSIDE OF THE BUILDING, AND MUST SWING IN THE DIRECTION OF EGRESS.
6. EXTERIOR HOLLOW METAL DOORS AND FRAMES TO BE GALVANIZED WITH TOP AND BOTTOM EDGES CLOSED FLUSH.
7. GENERAL CONTRACTOR TO ENSURE THAT EXTERIOR DOOR GLAZING MATCHES ALL OTHER EXTERIOR GLAZING IN PROJECT.
8. VISION PANELS IN METAL DOORS SHALL HAVE FRAMES AND STOPS MATCHING DOOR MATERIAL AND FINISH. VISION PANELS IN FRP DOORS SHALL HAVE MANUFACTURER'S STANDARD FRAME AND STOPS MATCHING DOOR FINISH. PROVIDE FIRE RATED GLASS AT ALL RATED LOCATIONS. TEMPERED IN ALL OTHER LOCATIONS. PROVIDE 1" INSULATED GLAZING AT EXTERIOR LOCATIONS. PROVIDE DOUBLE GLAZING FOR SOUND CONTROL IN WALLS WITH SAB.
9. FOR LOCATION OF DOOR FRAMES, SEE J9/A-601.
10. DETAILS REPRESENT TYPICAL CONDITONS. SEE FINISH SCHEDULE FOR ACTUAL FINISHES AT EACH DOOR. FLOOR PLANS FOR PARTITION TYPES AND DOOR SWINGS, AND SPECIFICATIONS FOR ACTUAL HARDWARE REQUIREMENTS.
11. AT THRESHOLDS, EXPOSED EDGES OF FLOORING MATERIAL WILL NOT BE ACCEPTED.
12. DOOR ASSEMBLIES AT SOUND RATED PARTITIONS SHALL MEET RATING REQUIREMENTS.
13. ALL HOLLOW METAL FRAMES TO BE FULLY WELDED.

CROFT

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Kennesaw, Georgia 30144
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www.croftae.com

STATE OF GEORGIA
ALLISON L. HARDY
CERTIFICATE NO. 035871
REGISTERED ARCHITECT
03/07/2025

OWNER

HABERSHAM COUNTY ANIMAL CONTROL
130 JACOBS WAY, SUITE 302
CLARKSVILLE, GA
30523

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CORNELIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-06-10	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

DRAWN: SLA
CHECKED: OH

SHEET TITLE
DOOR & FRAME SCHEDULE WITH ELEVATIONS

SHEET NO.
A-601

ALPHA BLDG SET 08-19-2025

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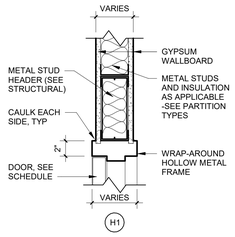
3/7/2025 3:48:02 PM

THIS SHEET PLOTS ON 42" X 30"



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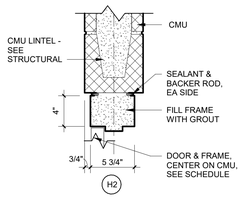

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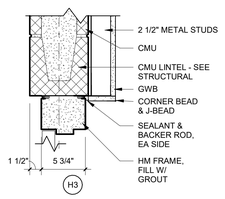

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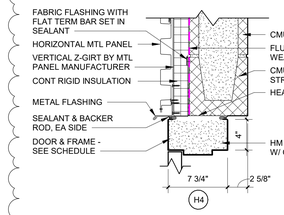

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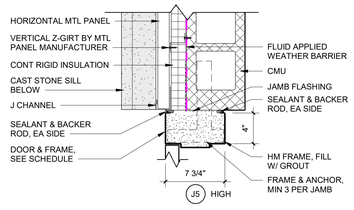
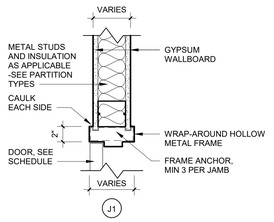
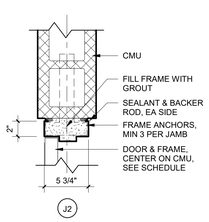


J5 HIGH



J1



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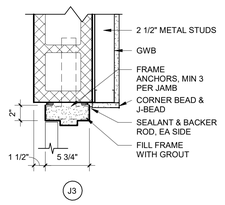

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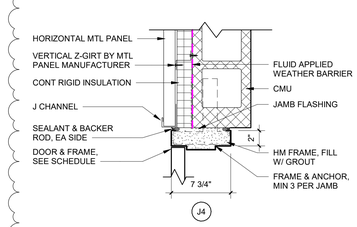

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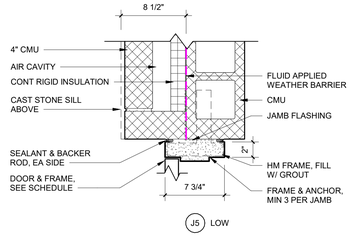
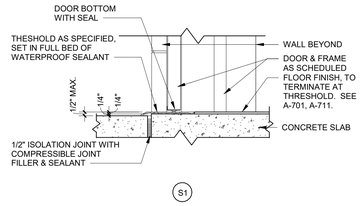
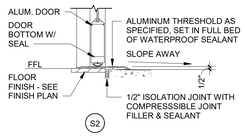


J5 LOW



S1



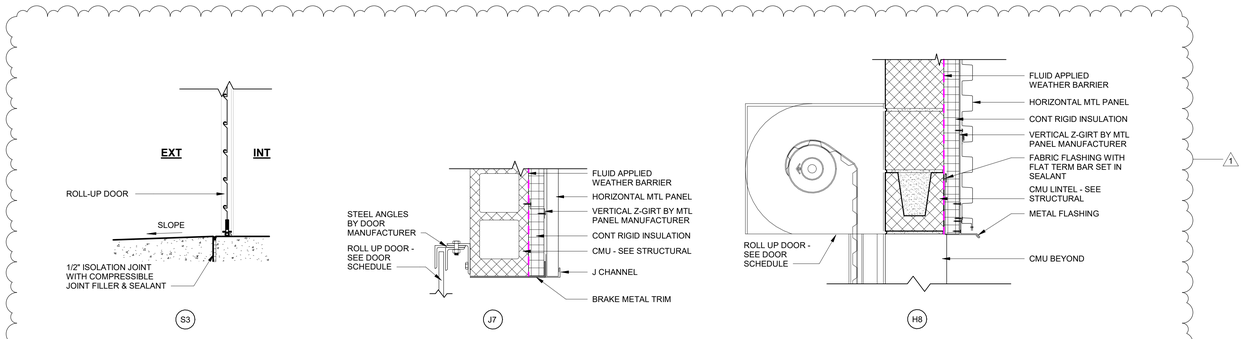
S2

K1
A-602

GENERAL DOOR DETAILS

1 1/2" = 1'-0"

0 6" 1 2 FT



S3

J7

H8

19
A-602

ROLL-UP DOOR DETAILS

1 1/2" = 1'-0"

0 6" 1 2 FT

ALPHA BLDG SET 08-19-2025

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STATE OF GEORGIA
ALLISON L. HARDY
CERTIFICATE NO. 035251
REGISTERED ARCHITECT
08/07/2025

OWNER

HABERSHAM COUNTY ANIMAL CONTROL
130 JACOBS WAY, SUITE 302
CLARKSVILLE, GA
30523

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CORNELIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-06-10	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

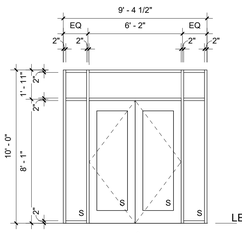
DRAWN: SLA
CHECKED: OH

SHEET TITLE
DOOR DETAILS

SHEET NO.
A-602

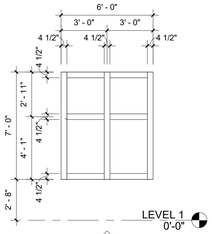
THIS SHEET PLOTS ON 42" X 30"

NOTE: 'S' DENOTES SAFETY GLASS



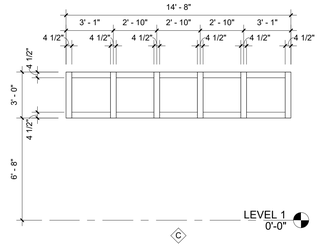
LEVEL 1 0'-0"

A



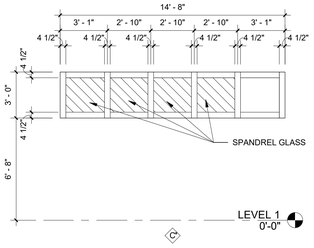
LEVEL 1 0'-0"

B



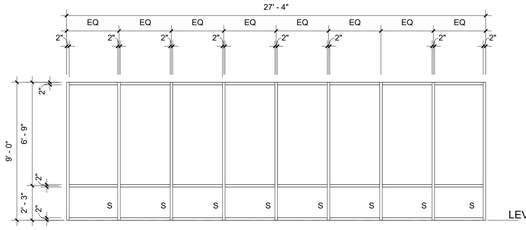
LEVEL 1 0'-0"

C



LEVEL 1 0'-0"

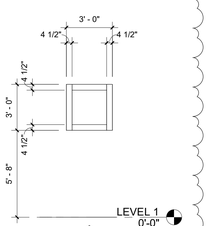
C'



LEVEL 1 0'-0"

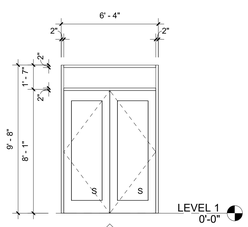
E

1



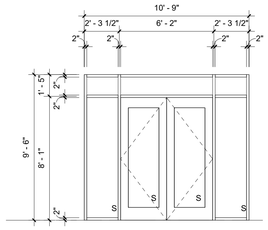
LEVEL 1 0'-0"

D



LEVEL 1 0'-0"

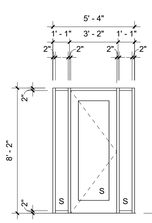
G



LEVEL 1 0'-0"

INTERIOR ALUMINUM STOREFRONT SYSTEM

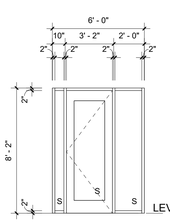
H



LEVEL 1 0'-0"

INTERIOR ALUMINUM STOREFRONT SYSTEM

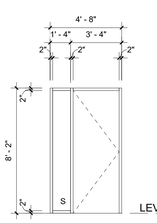
I



LEVEL 1 0'-0"

INTERIOR ALUMINUM STOREFRONT SYSTEM

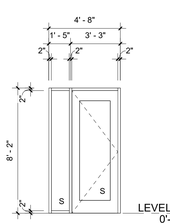
J



LEVEL 1 0'-0"

INTERIOR ALUMINUM STOREFRONT SYSTEM

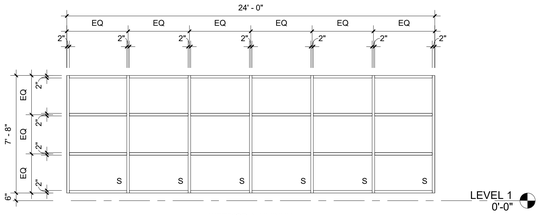
K



LEVEL 1 0'-0"

INTERIOR ALUMINUM STOREFRONT SYSTEM

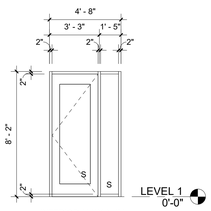
K



LEVEL 1 0'-0"

INTERIOR ALUMINUM STOREFRONT SYSTEM

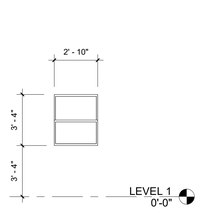
L



LEVEL 1 0'-0"

INTERIOR ALUMINUM STOREFRONT SYSTEM

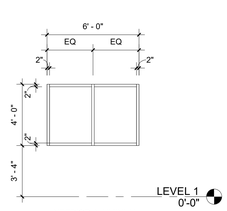
M



LEVEL 1 0'-0"

STAINLESS STEEL MEDICAL PASS THRU WINDOW SYSTEM

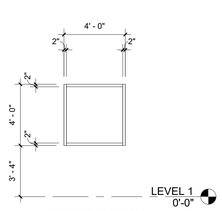
N



LEVEL 1 0'-0"

INTERIOR ALUMINUM STOREFRONT SYSTEM

O



LEVEL 1 0'-0"

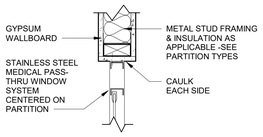
INTERIOR ALUMINUM STOREFRONT SYSTEM

P

J1 / A-611 WINDOW ELEVATIONS

1/4" = 1'-0"

0 5 10 FT



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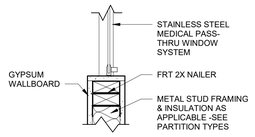

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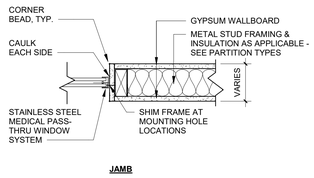
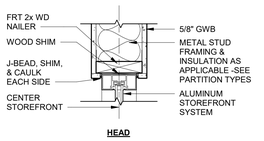


JAMB

G1 / A-611 WINDOW DETAILS - STAINLESS STEEL MEDICAL PASS THRU

1 1/2" = 1'-0"

0 6" 1 2 FT



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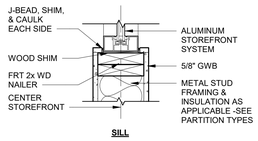

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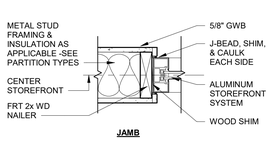
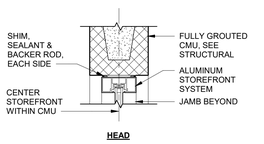


JAMB

D1 / A-611 WINDOW DETAILS - INTERIOR STOREFRONT @ CMU

1 1/2" = 1'-0"

0 6" 1 2 FT



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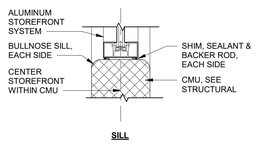

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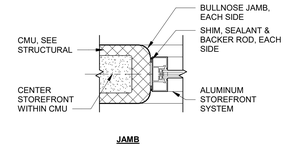
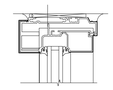


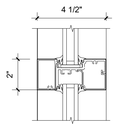
JAMB

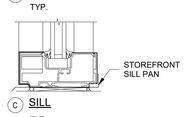
A1 / A-611 WINDOW DETAILS - INTERIOR STOREFRONT @ CMU

1 1/2" = 1'-0"

0 6" 1 2 FT

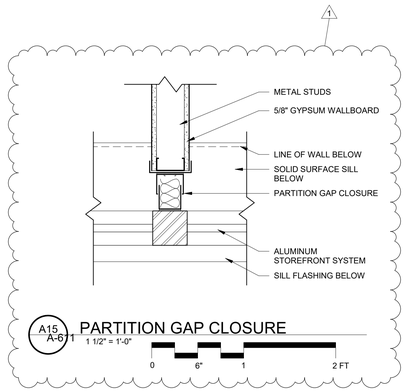






A11 / A-611 STOREFRONT DETAILS

3" 0 6 9 12 IN



A15 / A-611 PARTITION GAP CLOSURE

1 1/2" = 1'-0"

0 6" 1 2 FT

GENERAL WINDOW NOTES:

1. FIELD VERIFY ALL WINDOW DIMENSIONS.
2. FINISH OF ALL EXTERIOR ALUMINUM FRAMES TO BE DARK BRONZE ANODIZED.
3. FINISH OF ALL INTERIOR ALUMINUM FRAMES TO BE CLEAR ANODIZED.
4. ALL EXTERIOR GLAZING TO BE 1" INSULATED GLASS.

WINDOW TREATMENT NOTES

1. PROVIDE 1" BLINDS AT ALL EXTERIOR WINDOWS WITHIN SCOPE OF WORK U.N.O.
2. PROVIDE MOCK UP AND SHOP DRAWINGS OF EACH WINDOW COVERING TYPE FOR REVIEW BY ARCHITECT BEFORE FABRICATION.
3. VERIFY WINDOW CONDITIONS IN FIELD AND PROVIDE SHOP DRAWINGS FOR WINDOW COVERING INSTALLATION AND REVIEW BY ARCHITECT.

ALPHA BLDG SET 08-19-2025

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Kennesaw, Georgia 30144
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www.croftae.com

STATE OF GEORGIA
ALLISON L. HARDY
CERTIFICATE NO. 037
REGISTERED ARCHITECT
09/07/2025

OWNER

HABERSHAM COUNTY ANIMAL CONTROL
130 JACOBS WAY, SUITE 302
CLARKSVILLE, GA
30523

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CORNELIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-06-10	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

DRAWN: SLA
CHECKED: OH

SHEET TITLE
WINDOW ELEVATIONS & DETAILS

SHEET NO.
A-611

THIS SHEET PLOTS ON 42" X 30"

3" 2" 1" 1/2" 0

FINISH MATERIAL SPECIFICATIONS

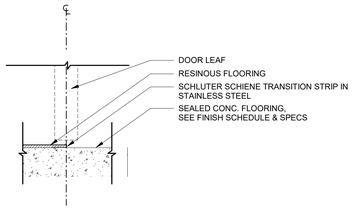
MATERIAL KEY	MATERIAL TYPE	MANUFACTURER	STYLE, COLOR	MATERIAL REMARKS
B-1	RUBBER BASE	TARKETT	JOHNSONITE THERMOSET 4"H RUBBER BASE, VL2 WHISPERING MIST CB	TYPICAL WALL BASE UNO
B-2	COVEBASE	TRINITY TILE	LINK: BOLT 6"x12" COVEBASE, RECTIFIED MATTE	TYPICAL RESTROOM BASE UNO
B-3	WALL BASE	TRINITY TILE	BOSK: PINE 8X48, RECTIFIED MATTE TO BE USED FOR 8"H BASE. TOP EDGE TO BE BULLNOSED AND CUT IN FACTORY BY TRINITY TILE	TYPICAL LOBBY WALL BASE UNO
CG-1	OUTSIDE CORNER GUARD	ACROVYN	SM-20 3" WING CORNERGUARD IN COLOR DRIFTWOOD	PROVIDE AT OUTSIDE CORNERS AS NOTED
EF-1	EPOXY FLOORING	DUR-A-FLEX	ACCELERA HC SELF-LEVELING, DECORATIVE CHIP BROADCAST, CEMENTITIOUS URE-THANE/BLENDED POLYMER SEAMLESS FLOORING SYSTEM IN SHALE WITH INTEGRAL 4" COVE BASE	TYPICAL FLOORING IN ANIMAL AREAS UNO
GT-1	TILE GROUT	MAPEI	KERAPOXY EPOXY GROUT IN COLOR 19 PEARL GRAY	ALL RR FLOOR TILE GROUT UNO
GT-2	TILE GROUT	MAPEI	KERAPOXY EPOXY GROUT IN COLOR 05 CHAMOIS	LOBBY FLOOR TILE GROUT UNO
GT-3	TILE GROUT	MAPEI	ULTRACOLOR PLUS FA GROUT IN COLOR 103 COBBLESTONE	ACCENT AND RR WALL TILE GROUT UNO
HPC-1A	HIGH PERFORMANCE COATING	SHERWIN WILLIAMS	ONE PART WATER BASED EPOXY COATING FOR GYPSUM BOARD WALLS IN COLOR TO MATCH P-1. REFER TO SPEC SECTION FOR FULL SPEC	ACCENT WALL. SEE FINISH PLAN
HPC-1B	HIGH PERFORMANCE COATING	SHERWIN WILLIAMS	ONE PART WATER BASED EPOXY COATING FOR GYPSUM BOARD WALLS IN COLOR TO MATCH P-2. REFER TO SPEC SECTION FOR FULL SPEC	ACCENT WALL. SEE FINISH PLAN
HPC-1C	HIGH PERFORMANCE COATING	SHERWIN WILLIAMS	ONE PART WATER BASED EPOXY COATING FOR GYPSUM BOARD WALLS IN COLOR TO MATCH P-3. REFER TO SPEC SECTION FOR FULL SPEC	ACCENT WALL. SEE FINISH PLAN
HPC-1E	HIGH PERFORMANCE COATING	SHERWIN WILLIAMS	ONE PART WATER BASED EPOXY COATING FOR GYPSUM BOARD WALLS IN COLOR TO MATCH P-5. REFER TO SPEC SECTION FOR FULL SPEC	ACCENT WALL. SEE FINISH PLAN
HPC-1G	HIGH PERFORMANCE COATING	SHERWIN WILLIAMS	ONE PART WATER BASED EPOXY COATING FOR GYPSUM BOARD WALLS IN COLOR TO MATCH P-7. REFER TO SPEC SECTION FOR FULL SPEC	ACCENT WALL. SEE FINISH PLAN
HPC-1H	HIGH PERFORMANCE COATING	SHERWIN WILLIAMS	ONE PART WATER BASED EPOXY COATING FOR GYPSUM BOARD WALLS IN COLOR TO MATCH P-8. REFER TO SPEC SECTION FOR FULL SPEC	ACCENT WALL. SEE FINISH PLAN
HPC-1I	HIGH PERFORMANCE COATING	SHERWIN WILLIAMS	ONE PART WATER BASED EPOXY COATING FOR GYPSUM BOARD WALLS IN COLOR TO MATCH P-9. REFER TO SPEC SECTION FOR FULL SPEC	ACCENT WALL. SEE FINISH PLAN
HPC-3A	HIGH PERFORMANCE COATING	SHERWIN WILLIAMS	HIGH-BUILD POLYSILOXANE COATING FOR BLOCK WALLS IN COLOR TO MATCH P-1. REFER TO SPEC SECTION FOR FULL SPEC.	ACCENT WALL. SEE FINISH PLAN
HPC-3C	HIGH PERFORMANCE COATING	SHERWIN WILLIAMS	HIGH-BUILD POLYSILOXANE COATING FOR BLOCK WALLS IN COLOR TO MATCH P-3. REFER TO SPEC SECTION FOR FULL SPEC.	
HPC-3D	HIGH PERFORMANCE COATING	SHERWIN WILLIAMS	HIGH-BUILD POLYSILOXANE COATING FOR BLOCK WALLS IN COLOR TO MATCH P-4. REFER TO SPEC SECTION FOR FULL SPEC.	ACCENT WALL. SEE FINISH PLAN
HPC-3E	HIGH PERFORMANCE COATING	SHERWIN WILLIAMS	HIGH-BUILD POLYSILOXANE COATING FOR BLOCK WALLS IN COLOR TO MATCH P-5. REFER TO SPEC SECTION FOR FULL SPEC.	ACCENT WALL. SEE FINISH PLAN
HPC-3F	HIGH PERFORMANCE COATING	SHERWIN WILLIAMS	HIGH-BUILD POLYSILOXANE COATING FOR BLOCK WALLS IN COLOR TO MATCH P-6. REFER TO SPEC SECTION FOR FULL SPEC.	ACCENT WALL. SEE FINISH PLAN
HPC-3G	HIGH PERFORMANCE COATING	SHERWIN WILLIAMS	HIGH-BUILD POLYSILOXANE COATING FOR BLOCK WALLS IN COLOR TO MATCH P-7. REFER TO SPEC SECTION FOR FULL SPEC.	
HPC-3H	HIGH PERFORMANCE COATING	SHERWIN WILLIAMS	HIGH-BUILD POLYSILOXANE COATING FOR BLOCK WALLS IN COLOR TO MATCH P-8. REFER TO SPEC SECTION FOR FULL SPEC.	ACCENT WALL. SEE FINISH PLAN
P-0	PAINT	SHERWIN WILLIAMS	SW 7007 CEILING BRIGHT WHITE	ALL GWB CEILINGS UNO, SEE RCP. A-131
P-1	PAINT	BENJAMIN MOORE	CC-40 CLOUD WHITE	ALL WALLS UNO. SEE FINISH PLAN
P-2	PAINT	SHERWIN WILLIAMS	SW 7017 DORIAN GRAY	ACCENT WALL. SEE FINISH PLAN
P-3	PAINT	SHERWIN WILLIAMS	SW 6772 CAY	ACCENT WALL. SEE FINISH PLAN
P-4	PAINT	SHERWIN WILLIAMS	SW 6796 BLUE PLATE	ACCENT WALL. SEE FINISH PLAN
P-5	PAINT	SHERWIN WILLIAMS	SW 6911 CONFIDENT YELLOW	ACCENT WALL. SEE FINISH PLAN
P-6	PAINT	SHERWIN WILLIAMS	SW 6981 PASSIONATE PURPLE	ACCENT WALL. SEE FINISH PLAN
P-7	PAINT	SHERWIN WILLIAMS	SW 6840 EXUBERANT PINK	ACCENT WALL. SEE FINISH PLAN
P-8	PAINT	SHERWIN WILLIAMS	SW 9032 STAY IN LIME	ACCENT WALL. SEE FINISH PLAN
P-9	PAINT	SHERWIN WILLIAMS	SW 9150 ENDLESS SEA	ACCENT WALL. SEE FINISH PLAN
P-10	PAINT	SHERWIN WILLIAMS	SW 7048 URBANE BRONZE	EXTERIOR, SEE A-201 & A-202 FOR LOCATIONS.
P-11	PAINT	SHERWIN WILLIAMS	SW 7006 EXTRA WHITE	EXTERIOR, SEE A-201 & A-202 FOR LOCATIONS.
P-12	PAINT	SHERWIN WILLIAMS	SW 7017 DORIAN GRAY	TYP. DOOR FRAMES & PANELS. SATIN FINISH.
P-13	PAINT	SHERWIN WILLIAMS	COLOR MATCH "BUCKSKIN" METAL PANEL.	
PL-1	PLASTIC LAMINATE	ARBORITE	STANDARD HPL FINISH, BLACK SATIN V7003 VR	RECEPTION DESK MILLWORK
PL-2	PLASTIC LAMINATE	ARBORITE	STANDARD HPL FINISH, INDUSTRIAL LOFT P1011 IM	RECEPTION DESK MILLWORK
PL-3	PLASTIC LAMINATE	ARBORITE	STANDARD HPL FINISH, NATURAL ARCADIAN OAK W490	BREAKROOM CABINETS
PULL-1	HARDWARE	MOCKETT	DP128 SERIES - ROUND TOP DRAWERPULL IN 4-9/32" SATIN NICKEL	TYPICAL MILLWORK HARDWARE UNO
SC-1	SEALED CONCRETE	-	REFER TO SPEC SECTION FOR FULL SPEC	-
SS-1	STAINLESS STEEL	TRISTAR VET	STAINLESS STEEL VETERINARY CABINETS.	TYPICAL ANIMAL SPACES. SEE ELEVATIONS
SS-2	STAINLESS STEEL	TRISTAR VET	STAINLESS STEEL VETERINARY COUNTERTOP.	TYPICAL ANIMAL SPACES. SEE ELEVATION AND FINISH PLAN
SSM-1	SOLID SURFACE MATERIAL	LX HAUSYS	HI-MACS, AURORA ECRU (M701)	TYPICAL MILLWORK COUNTERTOP UNO
SV-1	SHEET VINYL	ARMSTRONG	HOMOGENEOUS SHEET MEDINTONE, TALISMAN (H2012) WITH INTEGRAL 4" COVE BASE.	ALL CORRIDORS UNO. SEE FINISH PLAN.
SV-2	SHEET VINYL	AHF CONTRACT	CONCEPT OF LANDSCAPE, HETEROGENOUS, FINELY WOVEN DARK GRAY (1HE2M420) WITH INTEGRAL 4" COVE BASE.	ALL OFFICES UNO. SEE FINISH PLAN.
SV-3	SHEET VINYL	AHF CONTRACT	CONCEPT OF LANDSCAPE, HETEROGENOUS, FINELY WOVEN GRAY (1HE2M419) WITH INTEGRAL 4" COVE BASE.	BREAK ROOM CONFERENCE ROOM, AND ADMINISTRATION FLOORING UNO
T-1	PORCELAIN TILE	TRINITY TILE	LINK: HOOK 12X24, RECTIFIED MATTE, STACK INSTALL	RESTROOM FLOORING; GT-1
T-2	PORCELAIN TILE	TRINITY TILE	BOSK: PINE 8X48,RECTIFIED MATTE, 1/3 OFFSET BRICK INSTALL	LOBBY FLOORING; GT-2
T-3	PORCELAIN TILE	TRINITY TILE	DAHLIA: BLANCO 3X10, GLOSSY, BRICK INSTALL	RESTROOM VANITY AND WATERFOUNTAIN ACCENT WALL TILE; GT-3
T-4	PORCELAIN TILE	TRINITY TILE	LINK: BOLT 12X24, RECTIFIED MATTE, VERTICAL STACK INSTALL	TYPICAL ALL RESTROOM WALLS UP TO 8'-6" AFF UNO; GT-3
T-5	PORCELAIN TILE	TRINITY TILE	LINK: BOLT 12X12 MOSAIC, RECTIFIED MATTE.	TYPICAL RESTROOM SHOWER FLOORS.
VWC-1	VINYL WALLCOVERING	CHASING PAPER	PUPPY PILE: BLUE, MATTE PERFORMANCE VINYL	ADD ALTERNATE
VWC-2	VINYL WALLCOVERING	CHASING PAPER	SMITTEN KITTEN, MATTE PERFORMANCE VINYL	ADD ALTERNATE
WP-1	WALL PROTECTION	ACROVYN	ACROVYN SHEET PRODUCT 0.040" THICK IN COLOR DRIFTWOOD; INSTALLED AT LOCATIONS NOTED UP TO 38" AFF. INSTALL WITH MANU. COORDINATING CAULK AND ALL COORDINATING TOP AND INSIDE/OUTSIDE CORNER TRIM.	TYPICAL CORRIDOR WALL PROTECTION UNO
WP-2	WALL PROTECTION	ACROVYN	ACROVYN 6" RESILIENT PVC RUBSTRIPS .040" THICK IN THE COLOR DRIFTWOOD; INSTALL AT LOCATIONS NOTED UP TP 34" AFF. INSTALL WITH MANU. COORDINATING CAULK	TYPICAL CORRIDOR WALL PROTECTION UNO

FINISH MATERIAL ABBREVIATIONS

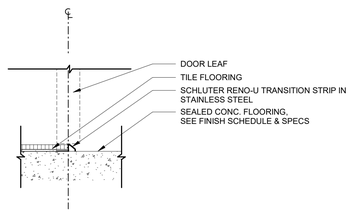
ACT	ACOUSTICAL CEILING TILE
AWP	ACOUSTICAL PANEL
CPT	CARPET
CPTT	CARPET MODULAR
CST	CONCRETE STAIN
EFTR	EXISTING FINISH TO REMAIN
EPT	EPOXY PAINT
EPY	EPOXY FLOORING
EXIST	EXISTING
EXP	EXPOSED
FRP	FIBER REINFORCED PLASTIC
FWC	FABRIC WALLCOVERINGS
GL	GLASS
GWB	GYPSUM WALL BOARD
LN	LINOLEUM
LVT	LUXURY VINYL FLOOR TILE
P	PAINT
PC	PRECAST
PL	PLASTIC LAMINATE
PLAS	PLASTER
QT	QUARRY TILE
QTZ	QUARTZ MATERIAL
RAF	RESILIENT ATHLETIC FLOOR'G
RB	RESILIENT BASE
RES	RESINOUS FLOORING
RF	RUBBER FLOORING
RRF	RAISED RUBBER FLOORING
RSF	RESILIENT SHEET FLOORING (CHEM. WELDED SEAMS)
SCONC	SEALED CONCRETE
SD	STATIC DISSIPATIVE
SS	STAINLESS STEEL
SSM	SOLID SURFACE MATERIAL
ST	STAIN
STR	STRUCTURE
SV	SHEET VINYL
TER	TERRAZZO, POURED
T	PORCELAIN TILE
TT	TERRAZZO TILE
TZ	EPOXY TERRAZZO FLOORING
VCT	VINYL COMPOSITION TILE
VWC	VINYL WALL COVERING
WD	WOOD
WM	WALK-OFF MATTS
WP	WALL PAPER
WR GWB	WATER RESISTANT GYPSUM WALLBOARD

GENERAL FINISH NOTES:

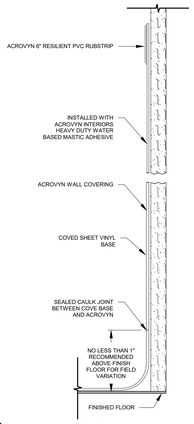
1. REFER TO INTERIOR FINISH SPECIFICATIONS FOR SUBMITTAL AND/OR MOCK UP GUIDELINES AND REQUIREMENTS.
2. GENERAL CONTRACTOR TO CONTACT ARCHITECT FOR DIRECTION IN THE EVENT OF CONTRADICTORY INFORMATION BETWEEN DRAWINGS, LEGEND AND / OR SPECIFICATIONS.
3. REFER TO FINISH SCHEDULE AND FINISH PLANS FOR GENERAL FINISHES. REFER TO ALL INTERIOR FINISH NOTES AND INTERIOR DRAWINGS (INCLUDING PLANS, ELEVATIONS AND DETAILS) FOR ADDITIONAL INTERIOR INFORMATION.
4. IF COLOR OR FINISH IS NOT SPECIFIED, CONTACT ARCHITECT FOR DIRECTION.
5. SUBMIT TWO SAMPLES PER MATERIAL SPECIFIED, LABEL EACH TO MATCH THE FINISH LEGEND DESIGNATION. INCLUDE PRODUCT DATA, SEAMING DIAGRAMS AND SHOP DRAWINGS PRIOR TO PROCUREMENT OR FABRICATION.
6. PROVIDE REPRESENTATIVE SAMPLES FROM ALL DYE LOTS REQUIRED TO COMPLETE INSTALLATION. PROVIDE MINIMUM ONE BOX FOR ATTIC STOCK ON ALL TILE PRODUCTS OF EACH SIZES, STYLES AND COLORS.
7. PROVIDE A SUBMITTAL SCHEDULE DEMONSTRATING LEAD TIME MILESTONES FOR ITEMS TO PREVENT NEED FOR SUBSTITUTIONS.
8. PROVIDE SHOP DRAWINGS FOR TILE LAYOUT REVIEW PRIOR TO INSTALLATION.
9. CLEAN JOB SITE REMOVING SCRAPS, DEBRIS AND WASTE MATERIALS DAILY.
10. PROVIDE WALL TILE FULL HEIGHT IN ALL SHOWER ALCOVES. REFER TO INTERIOR ELEVATIONS FOR WALL TILE PATTERNS.
11. PROVIDE FRT BLOCKING IN ALL STUD WALLS TO RECEIVE WALL HUNG EQUIPMENT.
12. ALL LOOSE FURNITURE IS OWNER FURNISHED AND OWNER INSTALLED UNO. CONTRACTOR TO COORDINATE INSTALLATION.
13. DIFFUSERS WITHOUT A FACTORY FINISH PLACED IN PAINTED WALLS, CEILINGS AND SOFFITS ARE TO BE PAINTED THE COLOR OF ADJACENT SURFACE UNO.
14. SURFACES TO RECEIVE FINISHES SHALL BE CLEAN, TRUE AND FREE OF IRREGULARITIES. WORK SHALL NOT PROCEED UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. STARTING OF WORK SHALL INDICATE INSTALLER'S ACCEPTANCE OF SUBSTRATE.
15. ALL GWB OR EXPOSED STRUCTURE CEILINGS ARE TO BE PAINTED FLAT SHEEN U.N.O.
16. ALL HM INTERIOR FRAMES SHALL BE PAINTED COLOR OF DOOR PANEL, SEMI-GLOSS SHEEN U.N.O.
17. PAINT ALL EXPOSED SURFACES INCLUDING, GRILLES, ETC. DO NOT PAINT FACTORY FINISHED ITEMS (I.E. EXTRUDED ALUMINUM FRAMES OR STOREFRONTS).
18. PROVIDE MINIMUM ONE PRIMER AND TWO FINISH COAT PAINT SYSTEM FOR EACH SUBSTRATE U.N.O.
19. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR USING TEMPORARY FLOOR PROTECTION THROUGHOUT TO SAFEGUARD THE SURFACE QUALITY OF CONCRETE SLABS THAT WILL BE EXPOSED AS FINAL FLOOR FINISH AND ALL FINISH SURFACES.



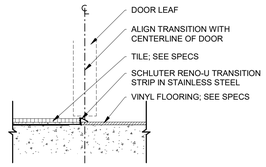
F1 A-701 VINYL TO SEALED CONCRETE TRANSITION
3" = 1'-0"



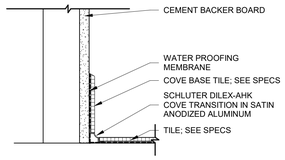
F6 A-701 TILE TO CONCRETE TRANSITION
3" = 1'-0"



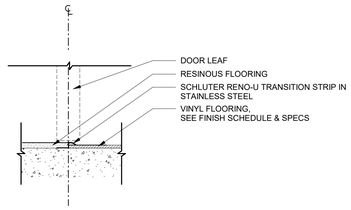
E12 A-701 .040" ACROVYN WALL COVERING AT PARTIAL HEIGHT
12" = 1'-0"



B1 A-701 TILE TO VINYL TRANSITION
3" = 1'-0"



B6 A-701 TILE FLOORING TO GYP WALL
3" = 1'-0"



B12 A-701 RESINOUS FLOORING TO VINYL TRANSITION
3" = 1'-0"

ALPHA BLDG SET 08-19-2025

CROFT

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STATE OF GEORGIA
ALLISON L. HARDY
CERTIFICATE NO. 036271
REGISTERED ARCHITECT
03/07/2025

OWNER

HABERSHAM COUNTY ANIMAL CONTROL
130 JACOBS WAY, SUITE 302
CLARKSVILLE, GA
30523

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CORNELIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-06-10	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

DRAWN: TD
CHECKED: AA

SHEET TITLE
ROOM FINISH SCHEDULE & FINISH MATERIAL SPECS

SHEET NO.
A-701

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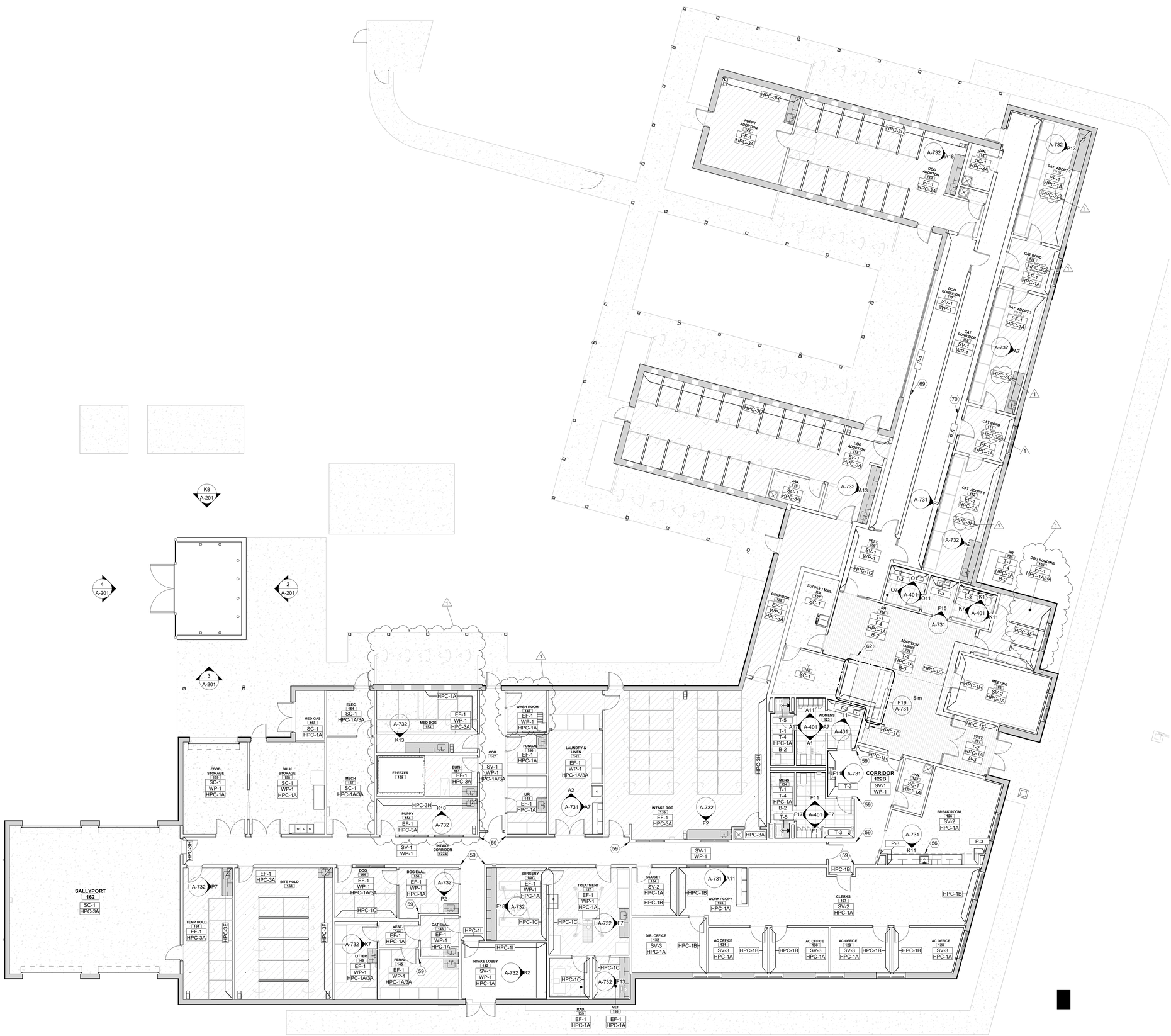
THIS SHEET PLOTS ON 42" X 30"



ARCHITECTURAL KEYNOTES LEGEND

X	
TAG #	**TAG DESCRIPTION**
23	STEEL FRAME GATE WITH COMPOSITE SLATS, GATE LATCH WITH PAD LOCK, AND CANE BOLTS.
24	GATE POST
25	BOLLARD, SEE CIVIL.
52	PAINTED CMU BLOCK, PAINT P-13.
56	PIN MOUNTED ALUMINUM SIGN.
59	PRE-FINISHED ALUMINUM GUTTER & DOWNSPOUT. COLOR: DARK BRONZE.
62	PRE-ENGINEERED 8" MTL CANOPY W/ 12" CHANNEL PROFILE; COLOR: DARK BRONZE.
69	ADD ALTERNATE: PROVIDE VWC-1 ABOVE WP-1 IN LIEU OF P-4.
70	ADD ALTERNATE: PROVIDE VWC-2 ABOVE WP-1 IN LIEU OF P-5.

GENERAL FLOOR FINISH NOTES:

1. SUBMIT SHOP DRAWING LAYOUT INDICATING ALL FLOOR PATTERN LOCATIONS, GRAIN DIRECTION AND SEAMING LOCATIONS.
2. INSTALL DIRECTIONAL FLOORING ORIENTED AS INDICATED ON THE FINISH PLANS. IF NOT INDICATED ON PLANS, REQUEST ARCHITECT'S INPUT.
3. CONDUCT MOISTURE AND ALKALINITY (pH) TESTS ON ALL CONCRETE SLABS WHERE FINISH MATERIALS ARE SCHEDULED. RECORD PASSING MOISTURE LEVELS PRIOR TO START OF INSTALLATION. REFERENCE MANUFACTURERS INSTALLATION SPECIFICATIONS FOR EACH FLOOR FINISH TYPE TO VERIFY REQUIREMENTS.
4. IN THE EVENT OF HIGHER FLY ASH CONTENT CONCRETE (OVER 15%) INSTALLATION OF FLOOR FINISHES WITH ADHESIVES REQUIRES SCARIFYING OF CONCRETE PRIOR TO INSTALLATION AT NO COST TO OWNER.
5. ALIGN TRANSITION OF FLOOR MATERIAL WITH CENTER OF DOOR. AT CASED OPENING, REFER TO FINISH PLANS FOR TRANSITION LOCATION.
6. PROVIDE SUITABLE TRANSITION STRIPS AT ALL FLOORING JOINTS WITH DISSIMILAR MATERIALS.
7. SEAL CONCRETE PRIOR TO INSTALLING FLOOR MATERIALS WITH MANUFACTURERS APPROVED SEALER.
8. APPLY COLD OR HEAT WELD TO ALL RESILIENT FLOORING BASED ON MANUFACTURE RECOMENDATIONS. PROVIDE COLOR MATCH HEAT WELD RODS FOR EACH SHEET OF RESILIENT FLOORING.
9. AT PROJECT CLOSE-OUT PROVIDE A SUMMARY OF ALL FINISH PRODUCTS AND MATERIALS WHICH REQUIRE A COLOR OR TEXTURE LIKE: PAINT, STONE, STAIN, TILE, ETC. WITH ALL INFORMATION REQUIRED FOR ORDERING OF THE PRODUCTS.
10. ADHESIVES, SEAM SEALERS AND CLEANERS TO BE COMPATIBLE AND RECOMMENDED BY THE MANUFACTURER.
11. ADHESIVES SHALL BE WATER RESISTANT, MILDEW RESISTANT, NON-STAINING, NON-GASSING (LOW VOC) TYPE AS RECOMMENDED BY THE MANUFACTURER.
12. ALL WALLS SHALL RECEIVE RUBBER WALL BASE UNO. SEE A-701.
13. SURFACES TO RECEIVE NEW FINISHES SHALL BE CLEAN, TRUE AND FREE OF IRREGULARITIES. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. STARTING OF WORK INDICATES INSTALLER'S ACCEPTANCE OF SUBSTRATE.
14. TOP SET RESILIENT BASE AT RESILIENT FLOORING, UNLESS OTHERWISE NOTED.

GENERAL WALL FINISH NOTES:

1. ALL INTERIOR WALLS SHALL BE PAINTED P-1/HPC-1A/HPC-3A U.N.O. REFER TO FINISH LEGEND WITH EACH ROOM.
2. PAINT SHEEN LOCATION:
   - A. PROVIDE SEMI GLOSS SHEEN IN: UTILITY ROOMS, JANITOR'S CLOSETS, RESTROOMS, AND ON ALL PAINTED METAL SURFACES.
   - B. PROVIDE FLAT SHEEN ON ALL ACCENT WALLS.
   - C. PROVIDE FLAT SHEEN AT ALL OTHER LOCATIONS, UNO.
3. DRYWALL FINISH LEVELS:
   - A. PROVIDE A LEVEL 4 FINISH ON ALL GYPSUM WALLS U.N.O.
   - B. PROVIDE LEVEL 5 FINISH ON ALL ACCENT WALLS AND ANY WALLS THAT ARE EXPOSED TO THE PUBLIC AND RECEIVING SEMIGLOSS SHEEN.
   - C. PROVIDE 8 1/2" X 11" PAINT SAMPLES FOR EACH SPECIFIED PAINT IN EACH SPECIFIED SHEEN.
4. ALL RESTROOMS SHALL HAVE MIN. 8'-6" HIGH PORCELAIN TILE AT ALL WET WALLS UNO. TURN THE TILE ON BOTH SIDES OR AS SHOWN ON WALL FINISH PLAN.
5. ALL SHOWER WALLS TO RECEIVE FULL HEIGHT PORCELAIN TILE FINISH.
6. ALL WALLS IN RESTROOMS RECEIVING TILE TO RECEIVE PORCELAIN TILE BASE AS SPECIFIED ON A-701.
7. SEAL GROUT JOINTS WITH EPOXY SEALER AFTER GROUT HAS CURED FOR A MINIMUM OF THREE WEEKS.

LEGEND:

X-1 — WALL FINISH

X-1 — GENERAL FLOOR FINISH

X-1 — GENERAL WALL FINISH

A3 / A-711 FLOOR FINISH PLAN - OVERALL
1/8" = 1'-0"
0 5 10 25 FT

ALPHA BLDG SET 08-19-2025

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STATE OF GEORGIA
ALLISON L. HARDY
CERTIFICATE NO. 035871
REGISTERED ARCHITECT
09/07/2025

OWNER

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130 JACOBS WAY, SUITE 302
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30523

HABERSHAM COUNTY ANIMAL SHELTER

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No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-06-10	PERMIT SET
		ISSUANCE

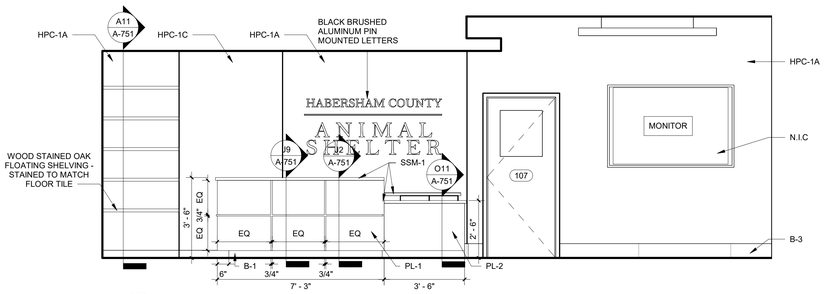
PROJECT NUMBER
2022-313

DRAWN: TD
CHECKED: AA

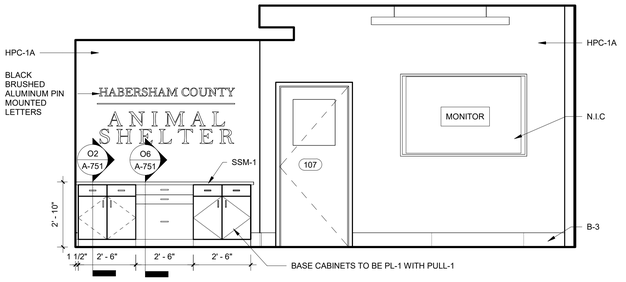
SHEET TITLE
FINISH PLAN - OVERALL

SHEET NO.
A-711

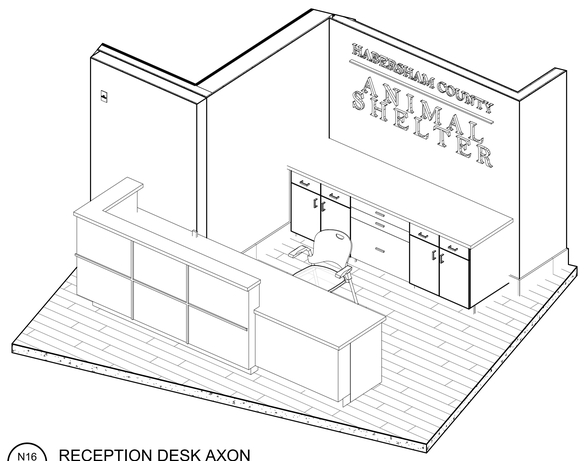
ALPHA BLDG SET 08-19-2025



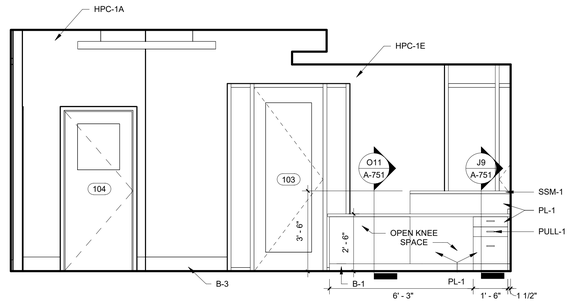
P2 A-731 FRONT DESK A
3/8" = 1'-0"



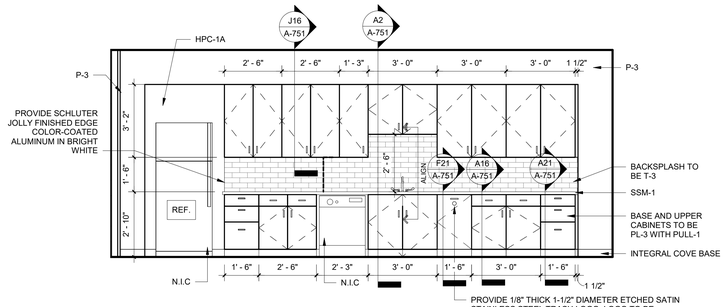
P11 A-731 FRONT DESK C
3/8" = 1'-0"



N16 A-731 RECEPTION DESK AXON

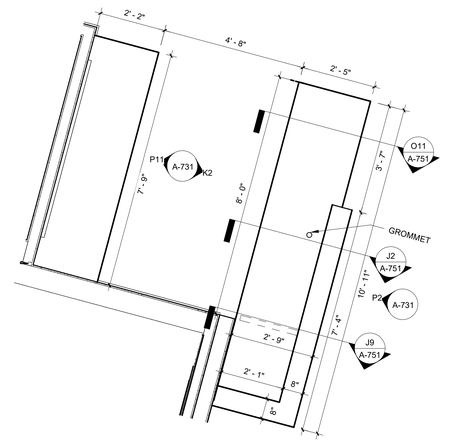


K2 A-731 FRONT DESK B
3/8" = 1'-0"

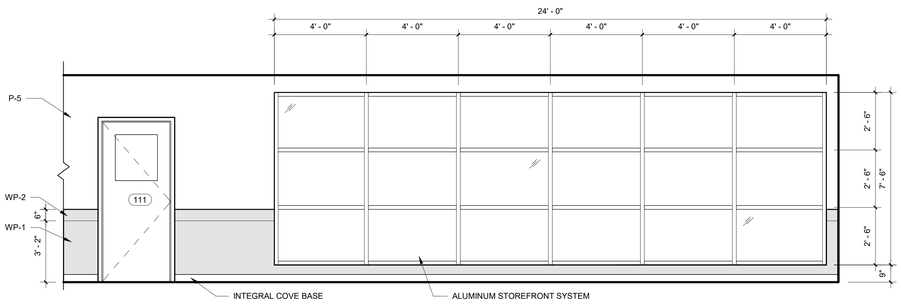


PROVIDE 1/8" THICK 1-1/2" DIAMETER ETCHED SATIN STAINLESS STEEL TRASH LOGO. LOGO TO BE RECESSED, FLUSHED WITH FACE OF CABINET DOOR. MANUF: ARCHITECTURAL HARDWARE. MODEL: TRASH LOGO (#TL-2031); TYPICAL AT DOUBLE TRASH PULL-OUT LOCATION.

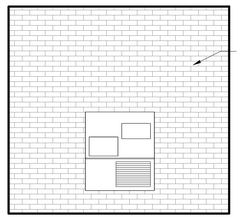
K11 A-731 126 - BREAKROOM
3/8" = 1'-0"



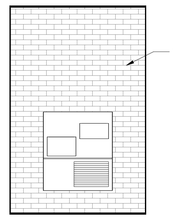
F19 A-731 RECEPTION DESK - ENLARGED
1/2" = 1'-0"



F2 A-731 110 - CAT CORRIDOR
3/8" = 1'-0"

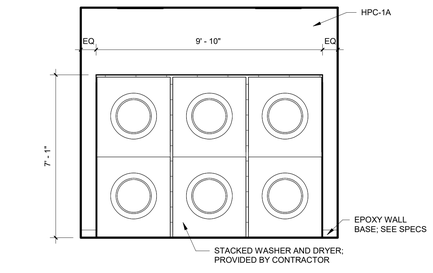


F11 A-731 WATER FOUNTAIN B
3/8" = 1'-0"

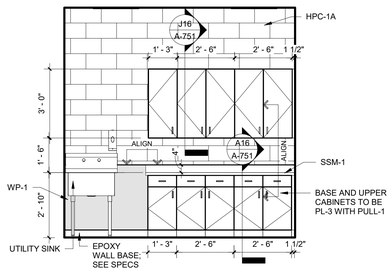


F15 A-731 WATER FOUNTAIN A
3/8" = 1'-0"

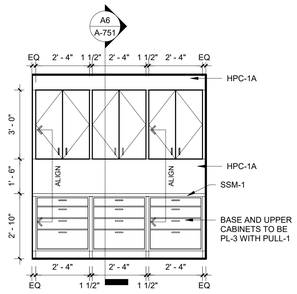
A19 A-731 PIN MOUNTED LETTERS MOUNTING HEIGHTS
3/4" = 1'-0"



A2 A-731 141 - LAUNDRY
3/8" = 1'-0"



A7 A-731 141 - LAUNDRY & LINEN
3/8" = 1'-0"



A11 A-731 133 - WORK/COPY
3/8" = 1'-0"

THIS SHEET PLOTS ON 42" X 30"

3" 2" 1" 1/2" 0

3/7/2025 3:48:44 PM
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STATE OF GEORGIA
ALLISON L. HARDY
CERTIFICATE NO. 035871
REGISTERED ARCHITECT
03/07/2025

OWNER

HABERSHAM COUNTY ANIMAL CONTROL
130 JACOBS WAY, SUITE 302
CLARKSVILLE, GA
30523

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CORNELIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-06-10	PERMIT SET
		ISSUANCE

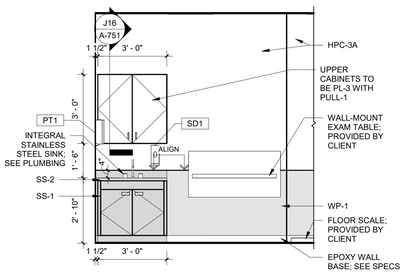
PROJECT NUMBER
2022-313

DRAWN: TD
CHECKED: AA

SHEET TITLE
INTERIOR ELEVATIONS

SHEET NO.
A-731

ALPHA BLDG SET 08-19-2025



P2 / A-732 — 156 - DOG EVALUATION RM
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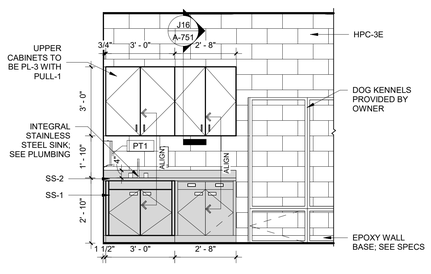

P7 / A-732 — 161 - TEMPORARY HOLD
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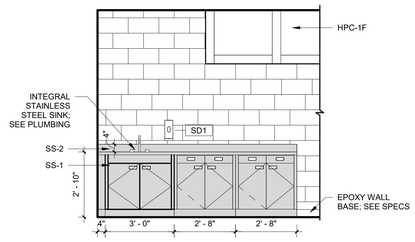
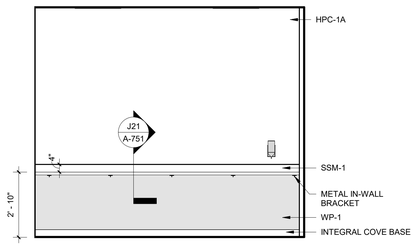
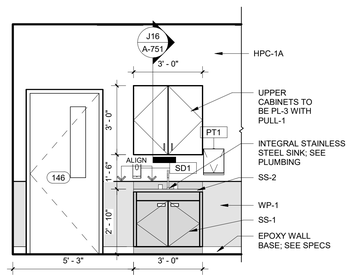


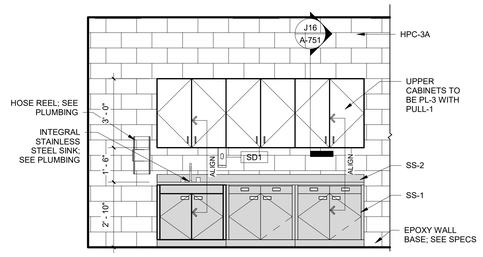
P13 / A-732 — 115 - CAT ADOPT 3
3/8" = 1'-0"



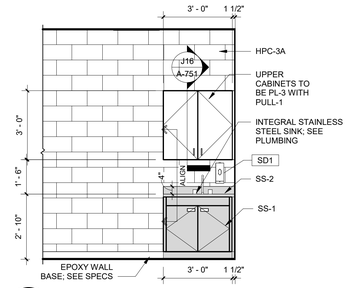
K2 / A-732 — 142 - INTAKE LOBBY
3/8" = 1'-0"



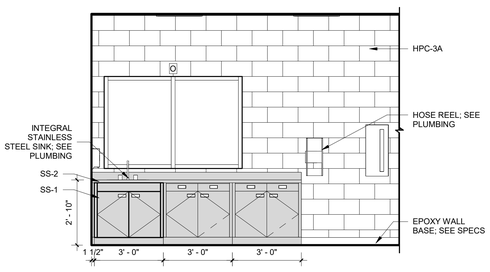
K7 / A-732 — 146 - LITTER
3/8" = 1'-0"



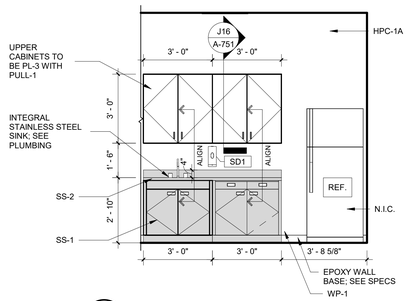
K13 / A-732 — 153 - MED. DOG ROOM
3/8" = 1'-0"



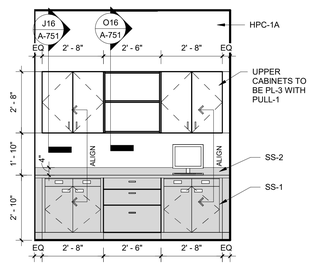
K18 / A-732 — 154 - PUPPY ROOM
3/8" = 1'-0"



F2 / A-732 — 135 - INTAKE DOG
3/8" = 1'-0"



F7 / A-732 — 137 - TREATMENT RM
3/8" = 1'-0"



F13 / A-732 — 138 - VET ROOM
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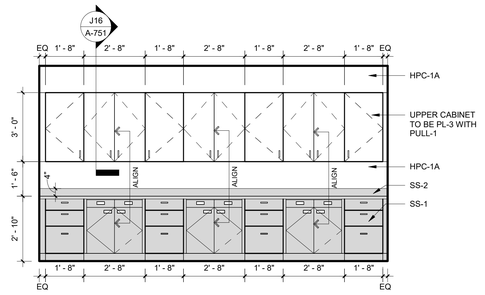
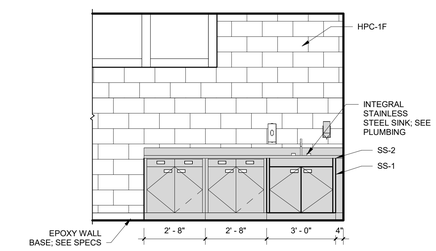
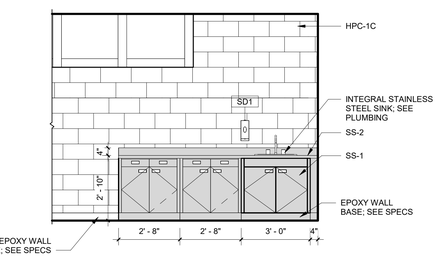


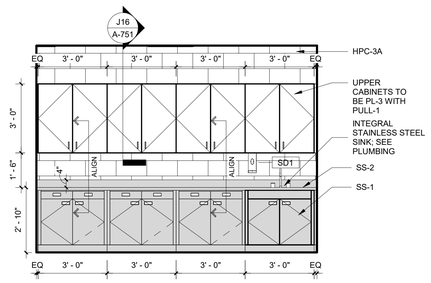
F18 / A-732 — 140 - SURGERY
3/8" = 1'-0"



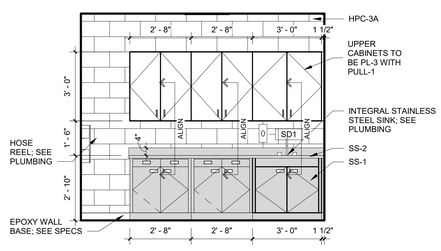
A2 / A-732 — 112 - CAT ADOPTION 1
3/8" = 1'-0"



A7 / A-732 — 113 - CAT ADOPTION 2
3/8" = 1'-0"



A13 / A-732 — 119 - DOG ADOPTION



A18 / A-732 — 120 - DOG ADOPTION 2
3/8" = 1'-0"

THIS SHEET PLOTS ON 42" X 30"

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OLD ATHENS HWY
CORNELIA, GA
30531

No.	Date	Description
0	2024-06-10	PERMIT SET
		ISSUANCE

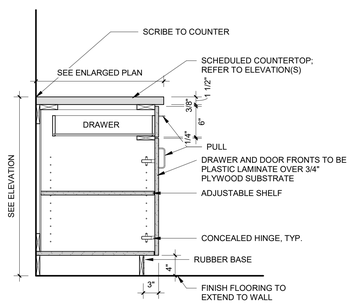
PROJECT NUMBER
2022-313

DRAWN: TD
CHECKED: AA

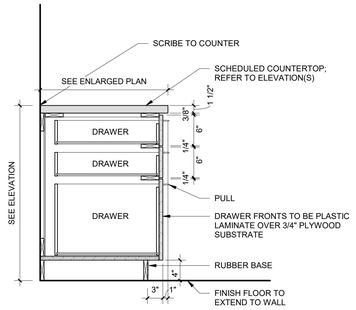
SHEET TITLE
INTERIOR ELEVATIONS

SHEET NO.
A-732

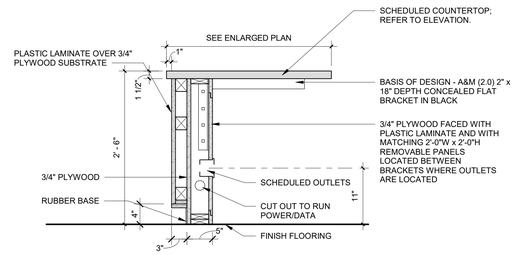
THIS SHEET PLOTS ON 42" X 30"



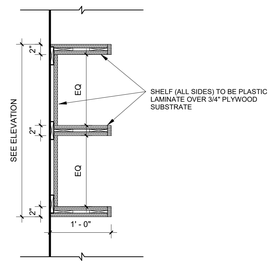
O2 A-751 BASE CAB. W/ ONE DRAWER
1" = 1'-0"



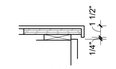
O6 A-751 BASE CAB. W/ THREE DRAWERS
1" = 1'-0"



O11 A-751 RECEPTION DESK A
1" = 1'-0"

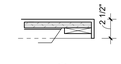


O16 A-751 FLOATING SHELVES
1" = 1'-0"



S1
1/2" SOLID SURFACE & 3/4" PLYWD AT CABINET

Q19 A-751 S1
1 1/2" = 1'-0"

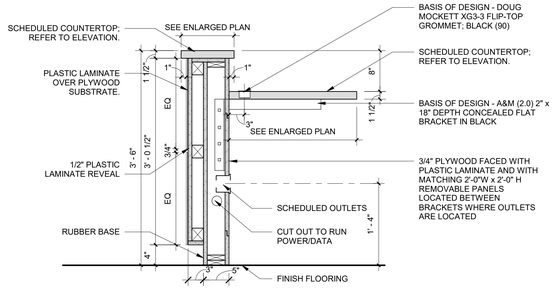


S3
1/2" SOLID SURFACE, 3/4" PLYWD & 1x4 AT BRACKET

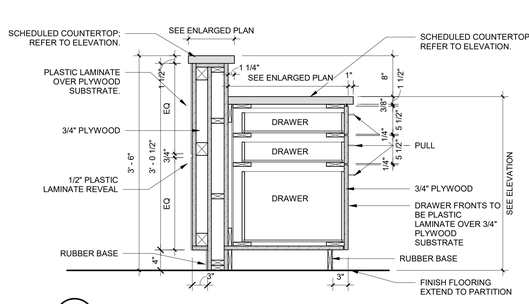
O19 A-751 S3
1 1/2" = 1'-0"

GENERAL MILLWORK NOTES:

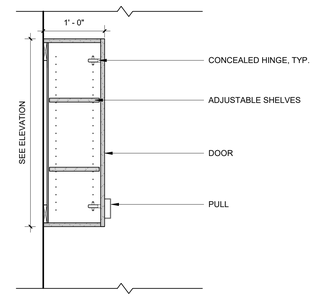
1. COUNTER TOPS SHALL BE 1/2" THICK SOLID SURFACE OVER 3/4" PLYWOOD WITH 1 1/2" HIGH LIP AT CABINETS AND 2 1/2" HIGH AT BRACKETS. 1/2" X 4" APPLIED MATCHING BACK AND END SPLASHES SHALL BE PROVIDED AT WALLS AND OTHER ADJACENT VERTICAL SURFACES UNO.
2. COUNTER TOPS SHALL BE SCRIBED AND CAULKED AT ADJACENT VERTICAL SURFACES. BACK AND END SPLASHES SHALL BE SCRIBED AND CAULKED AT TOP AND BOTTOM JOINTS.USE WHITE MELAMINE IN ALL CASEWORK INTERIORS UNO.
3. CABINETS SHALL BE 3/4" PLYWOOD WITH PLASTIC LAMINATE OVER FRONT FACE, SIDES EXPOSED TO VIEW, UNDERSIDE OF UPPER CABINETS, AND TOE KICK. DOORS AND DRAWERS SHALL BE 3/4" PLYWOOD WITH PLASTIC LAMINATE OVER FRONT AND BACK OF DOORS AND FRONT OF DRAWER FACE PANELS. ALL EDGES OF DOORS AND DRAWERS SHALL HAVE MATCHING 3 MM PVC EDGE BANDING.
4. USE WHITE MELANINE IN THE INTERIOR OF ALL CASEWORK WITH DOOR UNO.
5. PROVIDE PLASTIC LAMINATE AT ALL EXPOSED CASEWORK INTERIORS. ADJUSTABLE SHELVES SHALL BE 3/4" PLYWOOD WITH PLASTIC LAMINATE OVER TOP, BOTTOM, AND ALL EDGES, UNO. PLASTIC LAMINATE AND SOLID SURFACE COLORS SHALL BE VERIFIED ON ALL REVIEWED MILLWORK SHOP DRAWINGS PRIOR TO FABRICATION.
6. PLASTIC LAMINATE AND SOLID SURFACE COLORS SHALL BE VERIFIED ON ALL MILLWORK SHOP DRAWINGS REVIEWED BY ARCHITECT PRIOR TO FABRICATION.
7. MILLWORK FINISHES ON SHOP DRAWINGS MUST BE REVIEWED BY ARCHITECT PRIOR TO FABRICATION.
8. ALL SOLID SURFACE COUNTERS WITH A SOLID SURFACE EDGE ARE TO BE MOCKED UP IN A 6"x6" SAMPLE THAT SHOWS THE DIRECTIONALITY AND GRAINING OF THE PRODUCT FOR REVIEW BY ARCHITECT PRIOR TO FABRICATION.
9. REFER TO DETAIL S1 AND S3 FOR COUNTERTOP EDGE DETAILS.



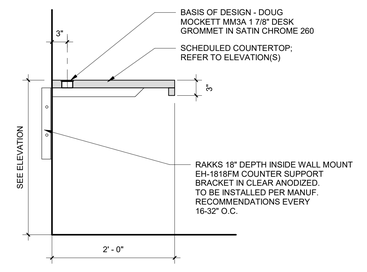
J2 A-751 RECEPTION DESK A W/ TRANSACTION COUNTER
1" = 1'-0"



J9 A-751 RECEPTION DESK BASE CAB. W/ 3 DRAWERS
1" = 1'-0"

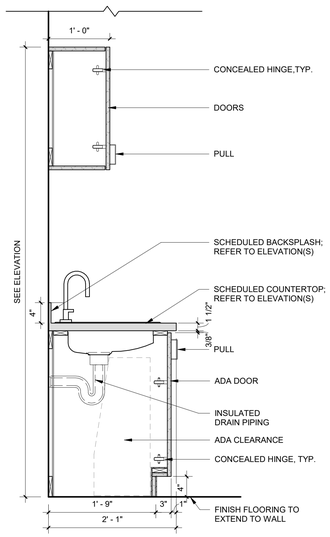


J16 A-751 UPPER CAB.
1" = 1'-0"

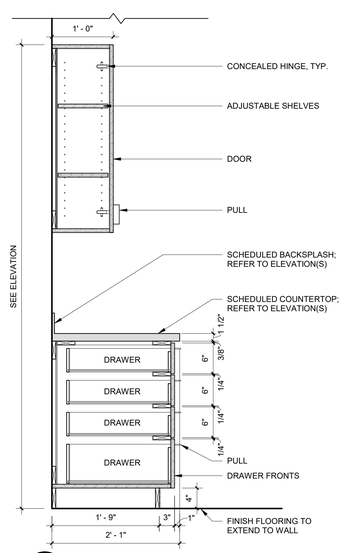


J21 A-751 FLOATING COUNTERTOP ON STUD WALL
1" = 1'-0"

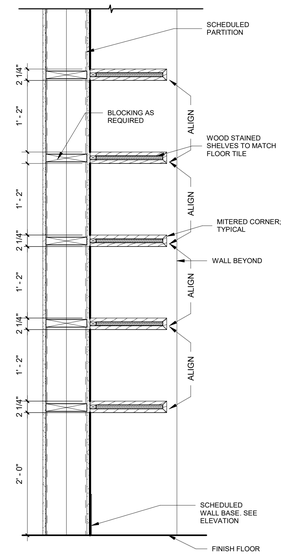
ALPHA BLDG SET 08-19-2025



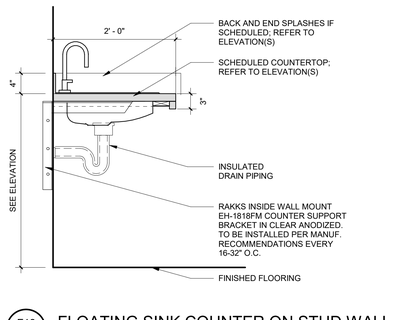
A2 A-751 ADA SINK BASE CAB. & UPPER CAB.
1" = 1'-0"



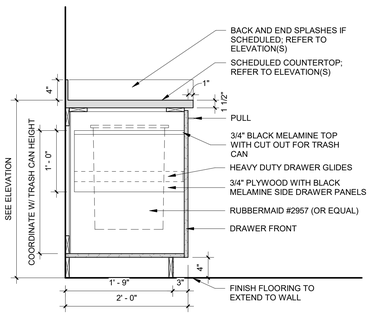
A6 A-751 BASE CAB. W/ FOUR DRAWERS & UPPER
1" = 1'-0"



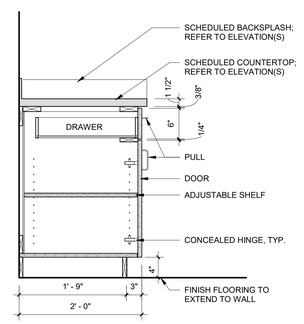
A11 A-751 FLOATING SHELVES
1" = 1'-0"



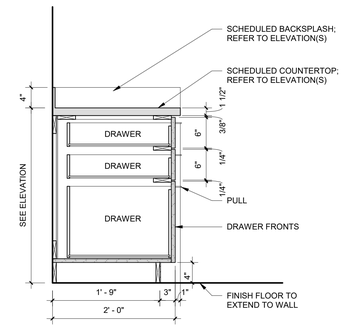
F16 A-751 FLOATING SINK COUNTER ON STUD WALL
1" = 1'-0"



F21 A-751 PULL-OUT TRASH
1" = 1'-0"



A16 A-751 BASE CAB. W/ ONE DRAWER
1" = 1'-0"



A21 A-751 BASE CAB. W/ THREE DRAWERS
1" = 1'-0"

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STATE OF GEORGIA
ALLISON L. HARDY
CERTIFICATE NO. 036871
REGISTERED ARCHITECT
03/07/2025

OWNER

HABERSHAM COUNTY ANIMAL CONTROL
130 JACOBS WAY, SUITE 302
CLARKSVILLE, GA
30523

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CORNELIA, GA
30531

No.	Date	Description
0	2024-06-10	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

DRAWN: TD
CHECKED: AA

SHEET TITLE
STANDARD MILLWORK DETAILS

SHEET NO.
A-751

THIS SHEET PLOTS ON 42" X 30"

0 1/2" 1" 2" 3"

SPRINKLER SYSTEM SCHEDULE										
KEY	ROOM OR AREA	OCCUPANCY CLASSIFICATION	SPACE TEMPERATURE (°F)	SYSTEM TYPE	DENSITY/AREA (GPM/SF)	MAXIMUM SPRINKER COVERAGE AREA (SQFT)	SPRINKLER TEMPERATURE RATING (°F)	SPRINKLER HEAD TYPE	COMBINED INSIDE AND OUTSIDE HOSE STREAM (GPM)	REMARKS
A	OFFICES, TOILET ROOMS, BREAK ROOMS, LOBBIES, SURGERY, TREATMENT & ANIMAL AREAS	LIGHT HAZARD	68°F-75°F	WET	0.10/1500	225	ORDINARY (135°F - 165°F)	FLUSHED CONCEALED PENDENT/SIDEWALL	100	
B	ELECTRICAL, MECHANICAL, JANITOR CLOSETS, STORAGE ROOMS, MAIL SUPPLY ROOM, MED GAS & LAUNDRY	ORDINARY HAZARD, GROUP 2	68°F-75°F	WET	0.15/1500	130	ORDINARY (135°F - 165°F)	UPRIGHT	250	
C	CANOPIES	LIGHT HAZARD	68°F-75°F	WET	0.10/1500	225	ORDINARY (135°F - 165°F)	DRY PIPE SIDEWALL SPRINKLER HEAD	100	SPRINKLER HEADS SHALL BE SUPPLIED FROM WET SYSTEM. APPLIES TO CANOPIES OF COMBUSTIBLE CONSTRUCTION. NON-COMBUSTIBLE CONSTRUCTION DOES NOT REQUIRE SPRINKLERS
D	FREEZER	LIGHT HAZARD	68°F-75°F	WET	0.10/1500	225	ORDINARY (135°F - 165°F)	DRY PIPE PENDENT SPRINKLER HEAD	100	SPRINKLER HEAD IS SUPPLIED FROM WET SYSTEM.
E	SALLYPORT	LIGHT HAZARD	68°F-75°F	DRY	0.10/1500	225	ORDINARY (135°F - 165°F)	DRY PIPE PENDENT SPRINKLER HEAD	100	

SPRINKLER NOTES:

1. CONFIRM LOCATION AND ROUTING OF THE NEW SPRINKLER PIPING PRIOR TO START OF NEW WORK. THERE ARE AREAS THAT WILL REQUIRE SPRINKLER PIPING TO BE INSTALLED AT DIFFERENT HEIGHTS.
2. THE SPRINKLER HEADS SHALL BE INSTALLED AS REQUIRED TO PROPERLY COVER THE ROOMS PER NFPA 13.
3. COORDINATE LOCATION OF ALL SPRINKLER PIPING WITH MECHANICAL EQUIPMENT SERVICE CLEARANCES SO THAT ADEQUATE SPACE IS PROVIDED FOR PROPERLY MAINTAIN THE EQUIPMENT.
4. ALL SPRINKLER PIPING EXPOSED TO VIEW MUST BE INSTALLED AS HIGH AS POSSIBLE. CARE MUST BE TAKEN IN AREAS WHERE PARTIAL CEILINGS ARE PRESENT AND HORIZONTAL PIPING IS EXPOSED BETWEEN THE CEILINGS.
5. RCP HEIGHTS - CONTRACTOR SHALL CO-ORDINATE HEADS/PIPING WITH THE REFLECTED CEILING PLAN. SPRINKLER PIPING SHALL BE ROUTED AS HIGH AS POSSIBLE. NO SPRINKLER PIPING SHALL BE ROUTED BELOW ANY CEILINGS.
6. INSTALLION OF SPRINKLER PIPING – CONTRACTOR SHALL INSTALL ALL PIPING THAT IS ROUTED IN ROOMS WITHOUT CEILINGS IN SUCH A MANNER TO ALLOW THE PIPING TO BE INSTALLED IN A NEAT AND WORKMAN-LIKE MANNER. SHOULD THE ROOM HAVE A CLOUD CEILING THE CONTRACTOR SHALL KEEP THE PIPING OVER THE CLOUDS AND STILL MAINTAIN CLEARANCE SPACING FROM ALL OTHER DISICPLINE EQUIPMENT.

FLOW TEST INFORMATION	
PERFORMED BY	CITY OF HABERSHAM
PERFORMED ON	4/06/2023
STATIC PSI	88 PSI
RESIDUAL PSI	76 PSI
FLOW @ 20 PSI	1000 GPM
HYDRANT FLOW	1000 GPM

FIRE PROTECTION LEGEND		
SYMBOL	ABBREVIATION	DESCRIPTION
SPK	SPK	SPRINKLER MAIN
FS	FS	FLOW SWITCH
TS	TS	TAMPER SWITCH

FIRE PROTECTION DRAWINGS HAVE BEEN DESIGNED TO ILLUSTRATE INTENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FLOW TEST VERIFICATION, PERFORMING HYDRAULIC CALCULATIONS, SYSTEM SIZING, AND OVERALL DESIGN TO MEET THE REQUIREMENTS OF THE FIRE MARSHALL.

APPLICATION OF THE DRAWINGS:

1. THE DRAWINGS ARE AN ESSENTIAL PART OF THE CONTRACT DOCUMENTS AND SHALL BE USED IN CONJUNCTION WITH THE REQUIREMENTS OF THE SPECIFICATIONS SECTION OF THE CONTRACT DOCUMENTS. IN NO CASE ARE THE DRAWINGS TO BE CONSTRUED TO REQUIRE LESS THAN WHAT IS REQUIRED BY LOCAL CONDITIONS AND STATE AND LOCAL BUILDING CODES AND OTHER APPLICABLE LAWS.
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3. DRAWINGS SHOULD NOT BE RELIED UPON TO DETERMINE THE QUANTITY OF MATERIALS TO BE SUPPLIED WITHOUT RECOURSE TO THE SPECIFICATIONS.
4. DRAWINGS ARE DIAGRAMMATIC AND ARE NOT REPRESENTATIVE OF ALL POTENTIAL CONDITIONS. COORDINATE WITH ALL DISCIPLINES TO ENSURE PROPER INSTALLATION OF ALL SYSTEMS AND EQUIPMENT.
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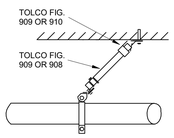
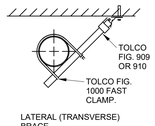
6. REFER TO ARCHITECTURAL ELEVATIONS AND FLOOR PLANS FOR EXACT LOCATIONS OF ALL FIXTURES AND CLEANOUTS.
7. SEE SHEET G-002 FOR COMMON PROJECT ABBREVIATIONS, DEFINITIONS, AND GENERAL NOTES APPLICABLE TO THESE DRAWINGS.

FIRE PROTECTION GENERAL NOTES:

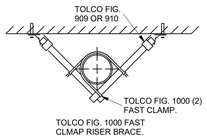
1. **THE FIRE PROTECTION PLANS ARE PERFORMANCE SPEC ONLY. THE ENTIRE NEW SPRINKLER SYSTEM DESIGN FOR PIPING SIZES, LAYOUT, BRANCH LOCATIONS, & SPRINKLER HEAD LOCATIONS & QUANTITY SHALL BE BY A LICENSED SPRINKLER CONTRACTOR. A SET OF STAMPED PLANS & HYDRAULIC CALCULATIONS SHALL BE SUBMITTED TO THE LOCAL FIRE MARSHALL FOR APPROVAL.**
2. ALL FIRE PROTECTION WORK SHALL COMPLY WITH ALL APPLICABLE SECTIONS OF THE NFPA STANDARDS AND SHALL MEET THE APPROVAL OF THE OWNER'S INSURANCE UNDERWRITER AND LOCAL AUTHORITIES HAVING JURISDICTION.
3. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO ORDERING, PURCHASING, OR FABRICATION OF ANY FIRE PROTECTION EQUIPMENT. SHOP DRAWINGS SHALL INCLUDE: SPRINKLER DRAWINGS AND CALCULATIONS AND BEARING THE SEAL OF A REGISTERED PROFESSIONAL ENGINEER OR EQUIVALENT CONTRACTOR'S FIRE SPRINKLER CERTIFICATE SEAL AND APPROVAL STAMP OF LOCAL CODE AUTHORITY: SPRINKLER PIPING; SPRINKLER HEADS; AND VALVES.
4. CONTRACTOR SHALL COORDINATE THE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL FIRE PROTECTION EQUIPMENT WITH THE ELECTRICAL DRAWINGS AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN.
5. ALL FIRE PROTECTION EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE.
6. ALL PIPING ABOVE GRADE SHALL BE SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON THE CEILING TILES OR CEILING STRUCTURE. PIPING HUNG FROM JOISTS SHALL BE HUNG FROM THE TOP CHORDS OF THE JOISTS.
7. ALL SPRINKLER SYSTEMS SHALL BE DESIGNED TO THE AVAILABLE CITY WATER SUPPLY. CONTRACTOR SHALL HAVE CURRENT FLOW TEST PERFORMED PRIOR TO DESIGN.
8. HYDRAULIC CALCULATIONS SHALL INCLUDE AN ALLOWANCE FOR INSIDE AND OUTSIDE HOSE STREAMS.
9. ALL SPRINKLER PIPING SHALL BE ROUTED TO MAINTAIN MINIMUM CLEAR HEIGHTS OF THE CEILING, PIPING, & EQUIPMENT.
10. ALL SPRINKLERS VISIBLE TO PUBLIC VIEW SHALL BE LOCATED SYMMETRICALLY IN RELATION TO CEILING DESIGN ELEMENTS, LIGHTING FIXTURES, SPEAKERS, DIFFUSERS, ETC. ALL CEILING COMPONENTS ARE TO BE INDICATED ON THE SUBMITTAL DRAWINGS AS NOTED PREVIOUSLY TO ENSURE COORDINATION WITH ALL CEILING ELEMENTS AND DEVICES. PIPING TO SPRINKLERS IN THESE AREAS IS TO BE PROVIDED WITH RETURN BENDS IF REQUIRED TO ALLOW FOR EXACT PLACEMENT.
11. CONTRACTOR SHALL PROVIDE SPRINKLER HEADS ABOVE ALL CEILING CLOUDS WHERE APPLICABLE. SPRINKLER HEADS LOCATED WITHIN THE CLOUDS ARE TO BE CENTERED.
12. ALL EXPOSED SPRINKLER PIPING SHALL BE INSTALLED IN A MANNER PETAINING TO A CLEAN INSTALLATION. THAT IS TO BE LOCATED IN EXPOSED WALL



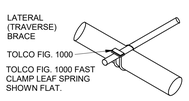
PIPE CLAMP (TOLCO FIG. 4A) USED IN LONGITUDINAL BRACE (OPTIONAL METHOD).



LATERAL (TRANSVERSE) BRACE

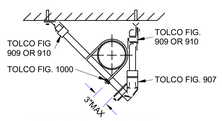


TOLCO FIG. 1000 FAST CLMAP RISER BRACE.

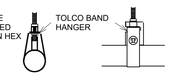


TOLCO FIG. 1000 FAST CLAMP LEAF SPRING SHOWN FLAT.

LEAF SPRINGS CONFIGURATION AND ORIENTATION BEFORE NUTS ARE TIGHTENED.



LONGITUDINAL / 4-WAY BRACE (OPTIONAL METHOD)



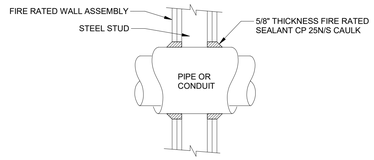
NOTE: TO ASSURE MINIMUM REQUIRED TORQUE-TIGHTEN HEX NUTS UNTIL LEAF SPRING IS FLAT.

TOLCO FIG. 25 IS DESIGNED TO BE USED ONLY WITH TOLCO BAND HANGERS FIG. 200, 2NFPA, TO RESTRICT UPWARD MOVEMENT OF PIPE WITHIN THE HANGER AS IT OCCURS DURING SPRINKLER HEAD ACTIVATION OR EQRTHQUAKE TYPE ACTIVITY.

NOTE:
1. TOLCO FIG. 1000 FAST CLAMPS UNDERWRITERS LABORATORIES LISTED, MUST BE USED WITH TOLCO U.L. LISTED ATTACHMENTS.
2. PROVIDE TOLCO RESTRAINTS OR APPROVED EQUAL AS REQUIRED.
3. TO ASSURE MINIMUM REQUIRED TORQUE-TIGHTEN HEX NUTS UNTIL LEAF SPRING IS FLAT.

TOLCO FIG. 25 SURGE RESTRAINER TYPE 1-FOR USE WITH 1" AND 1 1/4" PIPE AND HANGER.
TYPE 2- FOR USE WITH 1 1/2" AND 2" PIPE AND HANGER.

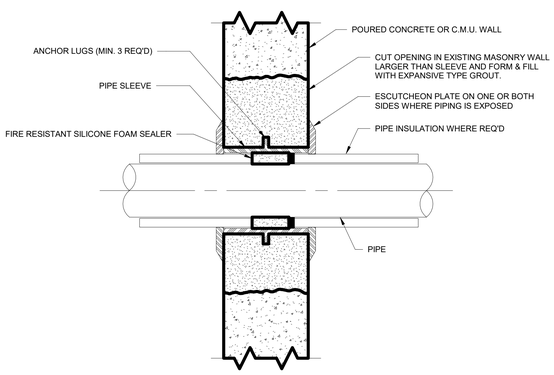
G1 FP-001 SEISMIC RESTRAINT DETAILS
12" = 1'-0"



NOTES:
1. THE CAULK IS TO BE FORCED INTO THE ANNULAR SPACE TO THE MAXIMUM EXTENT POSSIBLE FLUSH WITH THE EXTERIOR OF THE PENETRATION SURFACE.
2. FINISH CAULKING WITH A 5/8" MINIMUM BEAD OF CP 25N/S CAULK APPLIED TO THE PERIMETER OF THE CONDUIT/PIPE AT ITS EGRESS FROM WALL ASSEMBLY.
3. THE MAXIMUM ANNULAR SPACE IS NOT TO EXCEED 3/16".
4. INSTALL 3M FIRE STOP ON BOTH SIDES OF THE WALL ASSEMBLY AT PENETRATIONS.
5. THESE RECOMMENDATIONS ARE BASED ON PRODUCT PERFORMANCE PER ASTM E-814 (UL-1479) FIRE TEST & UL THROUGH-PENETRATION SYSTEM #147.

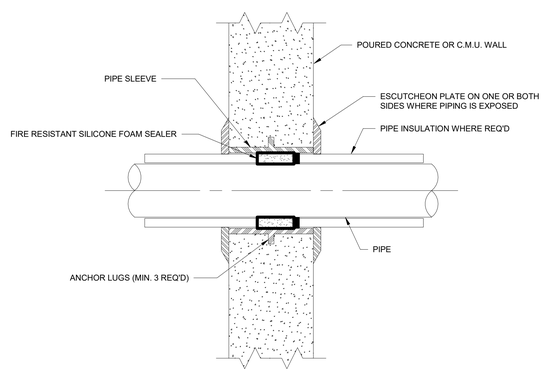
G7 FP-001 FIRE RATED PIPE PENETRATION DETAIL
NOT TO SCALE

ALPHA BLDG SET 08-19-2025



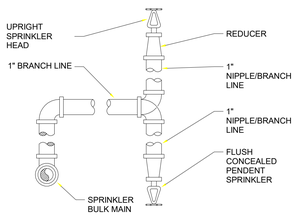
NOTES:
1. FOR INTERIOR WALLS AND BELOW GRADE GROUND TO GROUND WALLS.

A1 FP-001 PIPE SLEEVE THROUGH WALL WITH GROUT DETAIL
NOT TO SCALE

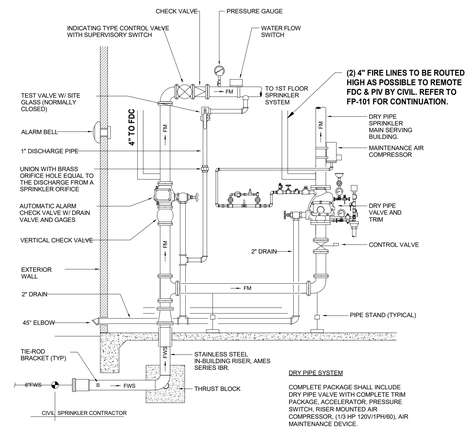


NOTES:
1. FOR INTERIOR WALLS AND BELOW GRADE GROUND TO GROUND WALLS.

A7 FP-001 PIPE SLEEVE THROUGH WALL DETAIL
NOT TO SCALE



A14 FP-001 TYPCAL SPRINKER HEAD DETAIL
NOT TO SCALE



A20 FP-001 WET & DRY PIPE RISER SYSTEM
NOT TO SCALE

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GEORGIA REGISTERED PROFESSIONAL ENGINEER AMY E. HADLOW No.PE024160

Georgia COA: CROFT
Authorization No.: PEF007438
Expires: 06/02/2026

03/07/2025

OWNER

HABERSHAM COUNTY ANIMAL CONTROL
130 JACOBS WAY, SUITE 302
CLARKSVILLE, GA
30523

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CORNELIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-07-08	PERMIT SET
ISSUANCE		

PROJECT NUMBER
2022-313

DRAWN: CEH
CHECKED: AEH

SHEET TITLE
FIRE PROTECTION NOTES, LEGENDS, & DETAILS

SHEET NO.
FP-001

THIS SHEET PLOTS ON 42" x 30"

3" 2" 1" 1/2" 0

ALPHA BLDG SET 08-19-2025

PLAN NORTH

A1 FP-101

FIRE PROTECTION PLAN

1/8" = 1'-0"

0 5 10 25 FT

KEY NOTES: FIRE PROTECTION

1. NEW 3"Ø DOMESTIC COLD WATER & 6"Ø FIRE MAIN TO ENTER NEW BUILDING IN NEW LOCATION. BOTH INVERT ELEVATION @ -3'-0" BELOW GRADE. CONTRACTOR SHALL TURN UP FOR SPRINKLER RISER.
2. NEW 4" WET PIPE SPRINKLER RISER TO SERVE THE BUILDING, FLOOR CONTROL ASSEMBLY, WALL MOUNTED ELECTRIC MOTOR GONG & 4" FIRE MAIN FOR REMOTE FIRE DEPARTMENT CONNECTION.
3. NEW 4" DRY PIPE SPRINKLER RISER TO SERVE THE SALLYPORT, FLOOR CONTROL ASSEMBLY, WALL MOUNTED ELECTRIC MOTOR GONG & 4" FIRE MAIN FOR REMOTE FIRE DEPARTMENT CONNECTION.
4. 4" FIRE LINE TO BE ROUTED OVERHEAD AS INDICATED THEN DROP DN. TO APPROX. -3'-0" BELOW GRADE AND ROUTED TO REMOTE FDC & PIV. REFER TO CIVIL FOR EXACT LOCATION.

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CROFT

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GEORGIA REGISTERED PROFESSIONAL ENGINEER ANNE E. HADLOW No. PE024160

Georgia COA: CROFT
Authorization No.: PEF007438
Expires: 06/02/2026

03/07/2025

OWNER

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1	2025-03-07	VE CHANGES
0	2024-07-08	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

DRAWN: CEH
CHECKED: AEH

SHEET TITLE
FIRE PROTECTION FLOOR PLAN

SHEET NO.
FP-101

THIS SHEET PLOTS ON 42" X 30"

3" 2" 1" 1/2" 0

TOTAL SANITARY LOAD

FIXTURE	TOTAL FIXTURES	FIXTURE UNIT LOAD	TOTAL LOAD
PUBLIC FV TOILETS	7	4.00	28.00
PUBLIC LAVS	6	1.00	6.00
URINALS	1	2.00	2.00
BREAKROOM SINKS	1	2.00	2.00
WORK SINKS	15	2.00	30.00
SERVICE SINKS	5	2.00	10.00
PRIVATE FT TOILETS		3.00	0.00
PRIVATE LAVS		1.00	0.00
PUBLIC SHOWERS	2	2.00	4.00
PRIVATE SHOWERS		2.00	0.00
CLOTHES WASHER (PRI)		2.00	0.00
CLOTHES WASHER (PUB)	3	3.00	9.00
LAUNDRY SINK	1	2.00	2.00
DRINKING FOUNTAIN	1	0.50	0.50
FLOOR DRAINS	100	2.00	200.00
4" HUB DRAINS	1	6.00	6.00
	TOTAL FIXT UNITS:		93.50
	SUMP PUMP (50 GPM PER CAB)		
	TOTAL FIXT UNITS:		93.50
(3) COMPARTMENT SINK	1	10.00	10.00
			0.00
			0.00
			0.00
			0.00
			0.00
			0.00
			0.00
	TOTAL FIXT UNITS:		10.00

NOTES: 103.50 FIXTURE UNITS = 6" SANITARY

TOTAL WATER SYSTEM LOAD

FIXTURE	TOTAL FIXTURES	FIXTURE UNIT LOAD	TOTAL LOAD	HOT LOAD
PUBLIC FV TOILETS	7	10.00	70.00	NA
PUBLIC LAVS	6	2.00	12.00	9.00
URINALS	1	5.00	5.00	NA
BREAKROOM SINKS	1	2.00	2.00	1.50
WORK SINKS	15	2.00	30.00	22.50
SERVICE SINKS	5	3.00	15.00	11.25
PRIVATE FT TOILETS		2.20	0.00	0.00
PRIVATE LAVS		0.70	0.00	0.00
PUBLIC SHOWERS	2	4.00	8.00	6.00
PRIVATE SHOWERS		1.40	0.00	0.00
CLOTHES WASHER (PRI)		1.40	0.00	0.00
CLOTHES WASHER (PUB)	3	3.00	9.00	6.75
LAUNDRY SINK	1	1.40	1.40	1.05
DRINKING FOUNTAIN	1	0.25	0.25	0.00
EQUIPMENT			0.00	0.00
HOSE REEL	8	2.50	20.00	0.00
3-COMP SINK	1	4.00	4.00	3.00
HAND SINKS		2.00	0.00	0.00
DISHWASHER	1	0.00	0.00	0.00
STEAMER		2.00	0.00	0.00
PRE-RINSE SINK		4.00	0.00	0.00
		5.00	0.00	0.00
		0.00	0.00	0.00
		0.00	0.00	0.00
	TOTAL FIX. UNITS		176.65	61.05
	GALLONS PER MIN		103	47
	HVAC SUPPLY		0	NA
	TOTAL GALLONS PER MIN		103.00	47.00

103 GPM WILL REQUIRE A MINIMUM OF A 3" WATER SERVICE.

EQUIPMENT GAS LOAD SCHEDULE - BUILDING GAS METER

EQUIPMENT NO.	GAS LOAD (CFH)	LOCATION
GWH-1	200	MECH ROOM #157
GWH-2	300	MECH ROOM #157
GAS DRYER	300	LAUNDRY ROOM #141
GAS DRYER	300	LAUNDRY ROOM #141
GAS DRYER	300	LAUNDRY ROOM #141
DOAS-1	300	EXTERNAL GROUND MOUNTED
DOAS-2	600	EXTERNAL GROUND MOUNTED
RTU-1	300	EXTERNAL GROUND MOUNTED
TOTAL LOAD	**2600 CFH**	

GAS PIPE SIZING:
450' MAXIMUM LENGTH OF GAS PIPING X 1.5 FOR FITTINGS = 675' TOTAL DEVELOPED LENGTH. PIPE SIZING IS BASED ON THE INTERNATIONAL FUEL GAS CODE, 2 PSI INITIAL PRESSURE WITH 10% PRESSURE LOSS THROUGH PIPING.

EQUIPMENT GAS LOAD SCHEDULE - GENERATOR GAS METER

EQUIPMENT NO.	GAS LOAD (CFH)	LOCATION
GENERATOR	6000	EXTERNAL GROUND MOUNTED
TOTAL LOAD	**6000 CFH**	

GAS PIPE SIZING:
50' MAXIMUM LENGTH OF GAS PIPING X 1.5 FOR FITTINGS = 75' TOTAL DEVELOPED LENGTH. PIPE SIZING IS BASED ON THE INTERNATIONAL FUEL GAS CODE, 2 PSI INITIAL PRESSURE WITH 10% PRESSURE LOSS THROUGH PIPING.

ALPHA BLDG SET 08-19-2025

APPLICATION OF THE DRAWINGS:

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7. SEE SHEET G-002 FOR COMMON PROJECT ABBREVIATIONS, DEFINITIONS, AND GENERAL NOTES APPLICABLE TO THESE DRAWINGS.

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PERFORMED ON	4/06/2023
STATIC PSI	88 PSI
RESIDUAL PSI	76 PSI
FLOW @ 20 PSI	1000 GPM
HYDRANT FLOW	1000 GPM

PLUMBING SYMBOL LEGEND

SYMBOL	DESCRIPTION
	SANITARY PIPING - SAN
	VENT PIPING - V
	DOMESTIC COLD WATER PIPING - DCW
	DOMESTIC HOT WATER PIPING - DHW
	DOMESTIC HOT WATER RETURN PIPING - DHWR
	COMBINATION WASTE & VENT PIPING - CWV
	OXYGEN PIPING - O2
	WASTE GAS PIPING - SCAV
	NATURAL GAS PIPING - G
	PIPE CAP
	CHECK VALVE
	DIRECTION OF FLOW
	NATURAL GAS VALVE
	ISOLATION VALVE
	WYE TYPE STRAINER
	MIXING VALVE
	UNION
	CONNECT TO EXISTING OR EXTENTS OF WORK

PLUMBING ABBREVIATIONS

A/C	ABOVE CEILING
ADA	AMERICANS WITH DISABILITIES ACT
A/F, AFF	ABOVE FLOOR, ABOVE FINISHED FLOOR
@/C	AT CEILING
BFP	BACKFLOW PREVENTER
B/F	BELOW FLOOR
B/G	BELOW GRADE
BF	BOTTLE FILLER
CO	CLEAN OUT
DN	DOWN
EWC	ELECTRIC WATER COOLER
FD	FLOOR DRAIN
FCO	FLOOR CLEANOUT
GPM	GALLONS PER MINUTE
HB	HOSE BIBB
HD	HUB DRAIN
kW	KILOWATT
LAV	LAVATORY
MIN	MINIMUM
MS	MOP SINK
NFWH	NONFREEZE WALL HYDRANT
PDI	PLUMBING AND DRAINAGE INSTITUTE
PSI	POUNDS PER SQUARE INCH
PRV	PRESSURE REDUCING VALVE
RPZ	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
SCO	EXTERIOR SERVICE CLEANOUT
STD	STANDARD
SF	SQUARE FEET
T&P	TEMPERATURE AND PRESSURE
TMV	THERMOSTATIC MIXING VALVE
TYP	TYPICAL
UR	URINAL
VTR	VENT THROUGH ROOF
WC	WATER CLOSET
WCO	WALL CLEANOUT
WHA	WATER HAMMER ARRESTOR
WHG-* WHE-*	WATER HEATER GAS OR ELECTRIC
W/	WITH

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Expires: 06/02/2026

03/07/2025

OWNER

HABERSHAM COUNTY ANIMAL CONTROL

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CONERLIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-07-08	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

DRAWN: CEH
CHECKED: AEH

SHEET TITLE
PLUMBING GENERAL NOTES & LEGEND

SHEET NO.
P-001

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THIS SHEET PLOTS ON 42" x 30"

3" 2" 1" 1/2" 0

ALPHA BLDG SET 08-19-2025

PLUMBING - GENERAL NOTES:

1. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE. DO NOT SCALE LOCATIONS OF UNITS, LINES, ETC. COORDINATE ALL DOCUMENTS TO DETERMINE PROPER LOCATIONS OF ALL EQUIPMENT AND MATERIALS.

PLUMBING - SANITARY & VENT NOTES:

1. ALL COMBINATION WASTE VENT LINES (PET WASTE) EXIT THE BACK OF THE BUILDING AS SHOWN TO CONNECT TO CENTRAL HAIR TRAP. SEE CIVIL DRAWINGS FOR DETAILS. CONTRACTOR SHALL COORDINATE WITH CIVIL.

KEY NOTES: SANITARY & VENT

1. FLOOR CLEANOUT (CWV) @ APPROX. -2'-6" BELOW SLAB.
2. FLOOR CLEANOUT (CWV) @ APPROX. -6'-0" BELOW SLAB.
3. FLOOR CLEANOUT (SAN) @ APPROX. -5'-0" BELOW SLAB.
4. SURFACE CLEANOUT (CWV) @ APPROX. -3'-6" BELOW GRADE.
5. 1000 GALLON CENTRAL HAIR TRAP W/ HEAVY DUTY TRAFFIC WEIGHT MANHOLE. CONTRACTOR SHALL LOCATE SAMPLING STATION DOWNSTREAM. ALL TO BE INSTALLED PER LOCAL AHJ STANDARDS.
6. 4" VENT UP.
7. 3" VTR.
8. 4" VTR.
9. 3" VENT UP.
10. 2" VENT UP, 2" CWV DN.
11. 2" VENT UP, 2" SANITARY DN.
12. 2" VENT UP, 3" SANITARY DN.
13. 2" VENT UP, 4" SANITARY DN.
14. 2" VENT UP, 3" CWV DN.
15. (3) COMPARTMENT SINK W/ OWNER FURNISHED GARBAGE DISPOSER. CONTRACTOR SHALL ROUTE (2) OF THE COMPARTMENTS AS INDICATED ON DETAIL H1/P-501.

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03/07/2025

OWNER

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HABERSHAM COUNTY ANIMAL SHELTER

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No.	Date	Description
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	ISSUANCE	

PROJECT NUMBER
2022-313

DRAWN: CEH
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SHEET TITLE
SANITARY & VENT PLAN

SHEET NO.
P-101

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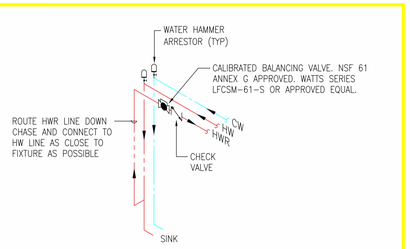

NOTE:
TYPICAL FOR ALL BREAK ROOM SINKS, AND LAVATORIES ON A HOT WATER RETURN CIRCUIT UNLESS OTHERWISE NOTED.

TYPICAL HWR CONNECTION AT SINKS
NTS

N1 P-102 DOMESTIC HOT WATER RETURN PIPING
NOT TO SCALE

DOMESTIC HOT WATER RETURN NOTE:

ALL DHWR LINES THAT SUPPLY FIXTURES SHALL DROP FOWN IN WALL TO CONNECT INTO THE FIXTURE DOMESTIC HOT WATER SUPPLY WITHIN 3'-0" OF THE FAUCET.

HOT WATER RETURN BALANCING VALVES:

BASIS OF DESIGN FOR SPECIFICATION ON BALANCING VALVES ARMSTRONG MANUAL 1805 SERIES.

FF. 2X2 OXYGEN TANK SYSTEM W/ AUTOMATIC SWITCH-OVER. REFER TO DETAIL M1/P-502

GENERATOR

FUTURE INCINERATOR

2" G (2 PSI)

PUPPY ADOPTION 121 · DOG ADOPTION 120 · DOG ADOPTION 118 · DOG CORRIDOR 117 · JAN. 116 · CAT ADOPT 3 115 · CAT BOND 114 · CAT ADOPT 2 113 · CAT BOND 111 · CAT CORRIDOR 110 · JAN. 119 · CAT ADOPT 1 112 · CORRIDOR 136 · VEST. 109 · RR 105 · RR 106 · DOG BONDING 104 · SUPPLY / MAIL RM 107 · ADOPTION LOBBY 102 · IT 108 · MEETING 103 · WOMENS 123 · VEST. 101 · JAN. 125 · MENS 124 · BREAK ROOM 126 · CLERKS 127 · INTAKE CORRIDOR 122A · WORK / COPY 133 · CLOSET 134 · DIR. OFFICE 132 · AC OFFICE 131 · AC OFFICE 130 · AC OFFICE 129 · AC OFFICE 128 · INTAKE DOG 135 · TREATMENT 137 · LAUNDRY & LINEN 141 · FUNGAL 150 · URI 148 · EUTH 151 · FREEZER 152 · PUPPY 154 · COR. 147 · WASH ROOM 149 · MED GAS 163 · MED DOG 153 · ELEC 164 · MECH 157 · FOOD STORAGE 159 · BULK STORAGE 158 · SALLYPORT 162 · TEMP HOLD 161 · BITE HOLD 160 · DOG 155 · DOG EVAL 156 · CAT EVAL 143 · LITTER 146 · VEST. 144 · FERAL 145 · SURGERY 140 · INTAKE LOBBY 142 · RAD. 139 · VET 138

PLAN NORTH · A1 P-102 WATER SUPPLY PIPING PLAN
1/8" = 1'-0"
0 5 10 25 FT

KEY NOTES: DOMESTIC WATER

1. NEW INCOMING 3"Ø DOMESTIC COLD WATER & 6" INCOMING FIRE MAIN @ APPROX -3'-0" BELOW GRADE. SEE CIVIL FOR CONTINUATION.
2. DOMESTIC WATER RISER UP TO APPROX. 4'-0". CONTRACTOR SHALL ROUTE THRU WATTS 909 PRV BFP, PRESSURE REGULATING ASSEMBLY SET FOR 65 PSI MIN. & 75 PSI MAXIMUM AND FULL PORT SHUT-OFF VALVE. REFER TO A16/P-501. GWH-1 & GWH-2. MOUNTED SIDE BY SIDE ON A 4" HOUSEKEEPING PAD CONTRACTOR SHALL SUPPLY 2" DCW & 2" DHW HEADERS. ROUTE 2" 140 DEGREE DHW & 2" DCW OVER TO LEONARD MEGATRON 8N MIXING VALVE. FROM THE TMV ROUTE 120 DEGREE DHW TO BUILDING SYSTEM. ROUTE FLUE VENT UP THROUGH ROOF. SIZE AND ROUTE PER MANUFACTURER'S INSTRUCTIONS.
3. 2" FULL PORT OPEN SHUT-OFF VALVE FOR FUTURE @ 500 MBH
4. 1" DHWR DN. TO CIRCULATING PUMP (CP-1). 3/4" DHWR DN. TO CIRCULATING PUMP (CP-2)
5. 1-1/2" DCW DN., ROUTE 1" DCW TO EACH WATER CLOSET, 3/4" DCW URINAL. 1/2" DCW TO EACH ELECTRIC WATER COOLER.
6. 1/2" DCW DN. TO TRAP PRIMER VALVE LOCATED ABOVE CEILING.
7. 1" 140 DEGREE F DHW DN. FOR DISH MACHINE. INSTALL NON-REMOVABLE VACUUM BREAKER.
8. 3/4" DCW DN. IN EXTERIOR WALL FOR NON-FREEZE WALL HYDRANT. CONTRACTOR SHALL INSULATE PIPE TO HELP PREVENT FREEZING.
9. 1/2"DHW/DHWR & 1/2"DCW DN.
10. 3/4"DHW/DCW DN. 1/2" DHWR DN. ROUTE 1/2" EACH TO EACH SINK.
11. 3/4"DHW/DCW DN. 1/2" DHWR DN. ROUTE 1/2" EACH TO EACH SHOWER.
12. 1-1/4" DCW DN., ROUTE 1" DCW TO WATER CLOSET & 1/2" DCW TO LAVATORY. 1/2"DHW/DHWR.
13. 3/4" DCW DN. FOR TRAP PRIMER DISTRIBUTION UNIT INSTALLED IN WALL.
14. 3/4" DCW DN. FOR HOSE REEL.
15. 3/4" DHW/DHWR/DCW DN. TO EACH SINK.
16. 1/2" DCW DN. TO SUPPLY 1/2" DWC TO EACH ELECTRIC WATER COOLER.
17. ROUTE 3/8" DHW FROM SINK DHW SUPPLY OVER TO DISHWASHER.
18. 1/2" DCW DN. TO ICEMAKER BOX.
19. 1/2"DHW/DCW TAPPED OFF OF SINK SUPPLY TO ROUTE TO COUNTER MOUNTED EMERGENCY EYEWASH. ROUTE 1/2" DHW/DCWTHRU TMV LOCATED UNDER CABINET PRIOR TO SUPPLYING TEPID WATER TO EEW.
20. (2) SETS EACH OF 3/4" (140) DEGREE DHW & DCW DN. TO SUPPLY WASHERS.
21. 1/2" DCW DN. TO WATER OUTLET FOR COFFEE /TEA MAKER. CONTRACTOR SHALL INSTALL AN INLINE DUAL CHECK VALVE ON DCW PRIOR TO CONNECTIONS.
22. 1/2" DCW & 140 DEHREE DHW DN TO EACH SINK FAUCET.
23. 3/4" DCW DN. TO CHEMICAL MIXING CLEANING STATION.
24. 3/4" DCW UP TO SUPPLY NON-FREEZE ROOF HYDRANT.

KEY NOTES: NATURAL GAS

A. NEW GAS METER (FOR GENERATOR) SET TO DELIVER (2) PSI GAS @ 5800 MBH @ 50 TDL.
B. NEW GAS METER (FOR BUILDING) SET TO DELIVER (2) PSI GAS @ 5440 MBH @ 415 TDL.
C. NEW 2" (2) PSI GAS RISER UP TO APPROX. 12'-0" AFF.
D. 2" (2) PSI GAS DN. TO APPROX. -2'-0" BELOW GRADE TO ROUTE OVER TO GENERATOR. UNDERGROUND GAS PIPE SHALL BE YELLOW POLY PIPE. PROVIDE ENCASEMENT & VENT WHERE PIPE PASS UNDER CONCRETE. PROVIDE REGULATOR, SHUT-OFF VALVE AND FULL SIZE DIRT LEG. CONTRACTOR SHALL SET REGULATOR TO REDUCE DN. FROM (2) PSI TO 11-14" WC OR MANUFACTURER'S RECOMMENDED INLET OPERATING PSI. GAS LINE AFTER REGULATOR SHALL BE MIN. 2".
E. 1" (2) PSI GAS UP THRU TO ROOF.
F. 1" (2) PSI GAS DN. TO APPROX. 2'-0" ABOVE FLOOR AND PROVIDE GAS HEADER TO SUPPLY (2) GAS FIRED WATER HEATERS. GAS HEADER SHALL SUPPLY 500 MBH - 200 MBH FOR GWH-1 & 300 MBH GWH-2 WATER HEATER. CONTRACTOR INSTALL VENTLESS REGULATOR, SHUT-OFF VALVE AND FULL SIZE DIRT LEG ON EACH GAS SUPPLY LINE TO EACH BOILER. CONTRACTOR SHALL SET REGULATOR TO REDUCE DN. FROM (2) PSI TO 11-14" WC OR MANUFACTURER'S RECOMMENDED INLET OPERATING PSI. GAS LINE AFTER REGULATOR SHALL BE MIN. 1".
G. 1" (2) PSI GAS DN. TO APPROX. 2'-0" ABOVE FLOOR AND PROVIDE GAS HEADER TO SUPPLY (3) GAS FIRED DRYERS. GAS HEADER SHALL SUPPLY A TOTAL OF 300 MBH. 100 MBH FOR DRYER. CONTRACTOR INSTALL VENTLESS REGULATOR, SHUT-OFF VALVE AND FULL SIZE DIRT LEG ON EACH GAS SUPPLY LINE TO EACH BOILER. CONTRACTOR SHALL SET REGULATOR TO REDUCE DN. FROM (2) PSI TO 11-14" WC OR MANUFACTURER'S RECOMMENDED INLET OPERATING PSI. GAS LINE AFTER REGULATOR SHALL BE MIN. 1/2".
H. 1-1/2" (2) PSI GAS DN. TO APPROX. -2'-0" BELOW GRADE TO ROUTE OVER TO LOCATION OF FUTURE INCINERATOR. UNDERGROUND GAS PIPE SHALL BE YELLOW POLY PIPE. PROVIDE ENCASEMENT & VENT WHERE PIPE PASS UNDER CONCRETE. PROVIDE SHUT-OFF VALVE IN YARD BOX. ONCE INCINERATOR IS INSTALLED CONTRACTOR SHALL PROVIDE FULL SIZE DIRT LEG. AND SHALL SET REGULATOR TO REDUCE DN. FROM (2) PSI TO 11-14" WC OR MANUFACTURER'S RECOMMENDED INLET OPERATING PSI. GAS LINE AFTER REGULATOR SHALL BE MIN. 2".
I. 1-1/4" (2) PSI GAS UP THRU TO ROOF.

KEY NOTES: MEDICAL GAS

AA. 2" MEDICAL GAS EXHAUST TO BE ROUTED UP TO TERMINATE EXHAUST TO THE EXTERIOR OF THE BUILDING ROOF. PROVIDE BIRD SCREEN.
BB. 2" MEDICAL GAS INTAKE DOWN FROM SCAVENGER UNIT.
CC. SCAVENGER UNIT LIGHTED WALL SWITCH.
DD. MEDICAL ZONE VALVE BOX INSTALLED IN WALL.
EE. MEDICAL AREA ALARM BOX INSTALLED IN WALL
FF. 1-1/2" OXYGEN LINE FROM 4x4 AUTOMATIC MANIFOLD.

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GEORGIA REGISTERED No.PE024160 PROFESSIONAL ENGINEER JAMIE E. HALLOW

Georgia COA: CROFT
Authorization No.: PEF007438
Expires: 06/03/2026

03/07/2025

OWNER

HABERSHAM COUNTY ANIMAL CONTROL

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CONERLIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-07-08	PERMIT SET
ISSUANCE		

PROJECT NUMBER
2022-313

DRAWN: CEH
CHECKED: AEH

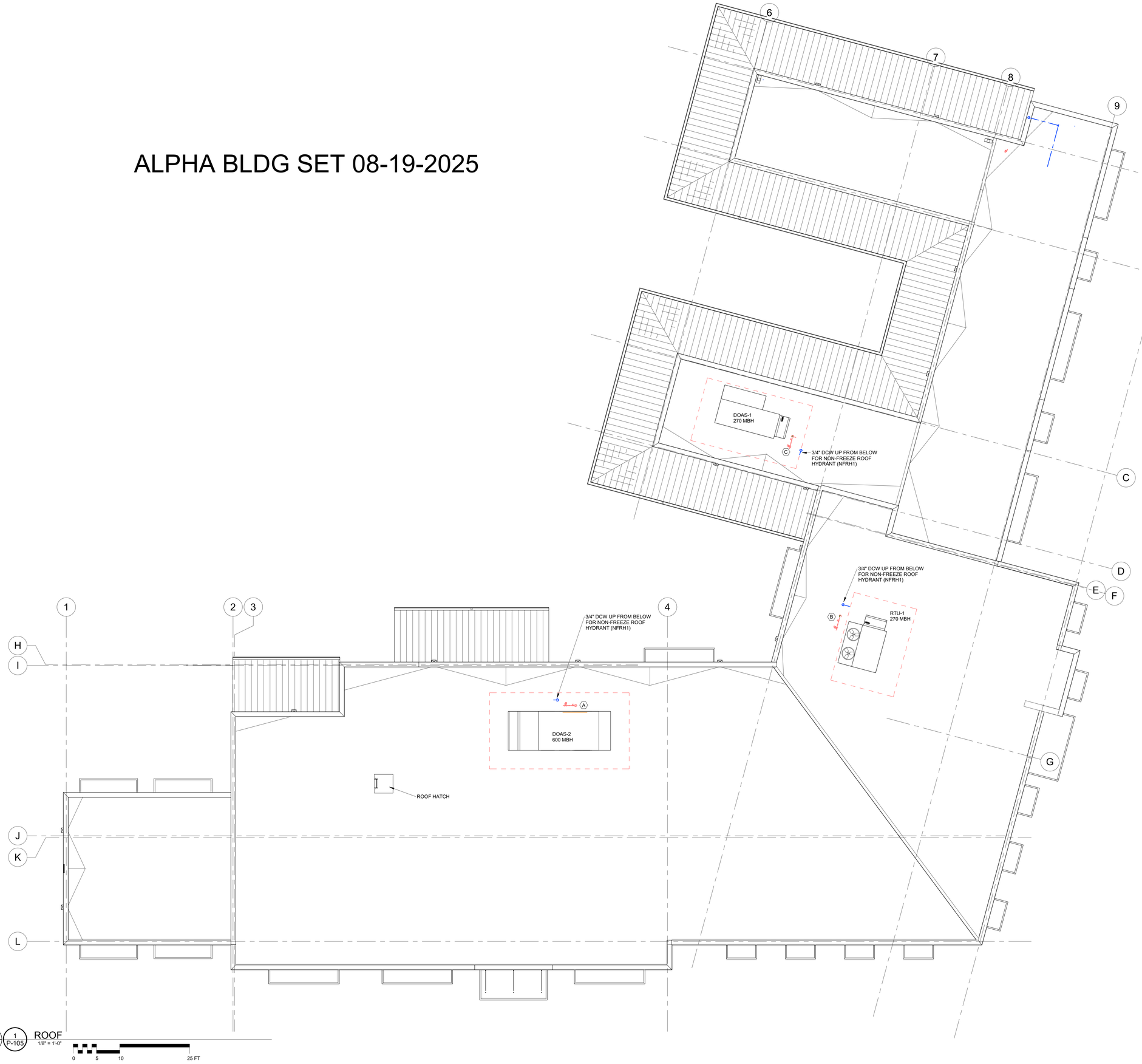
SHEET TITLE
DOMESTIC WATER PLAN

SHEET NO.
P-102

THIS SHEET PLOTS ON 42" x 30"

0 1/2" 1" 2" 3"

ALPHA BLDG SET 08-19-2025



KEY NOTES: NATURAL GAS

A. 1" (2) PSI GAS UP FROM LEVEL ONE CEILING THRU ROOF. TO SUPPLY GAS TO DOAS-2. PROVIDE REGULATOR, SHUT-OFF VALVE AND FULL SIZE DIRT LEG. CONTRACTOR SHALL SET REGULATOR TO REDUCE DN. FROM (2) PSI TO 11-14" WC OR MANUFACTURER'S RECOMMENDED INLET OPERATING PSI. GAS LINE AFTER REGULATOR SHALL BE MIN. 3/4". REFER TO M19/P501.

B. 1-1/4" (2) PSI GAS UP FROM LEVEL ONE CEILING THRU ROOF. TO SUPPLY GAS TO RTU-1. PROVIDE REGULATOR, SHUT-OFF VALVE AND FULL SIZE DIRT LEG. CONTRACTOR SHALL SET REGULATOR TO REDUCE DN. FROM (2) PSI TO 11-14" WC OR MANUFACTURER'S RECOMMENDED INLET OPERATING PSI. GAS LINE AFTER REGULATOR SHALL BE MIN. 3/4". REFER TO M19/P501.

C. 1-1/4" (2) PSI GAS UP FROM LEVEL ONE CEILING THRU ROOF. TO SUPPLY GAS TO DOAS-1. PROVIDE REGULATOR, SHUT-OFF VALVE AND FULL SIZE DIRT LEG. CONTRACTOR SHALL SET REGULATOR TO REDUCE DN. FROM (2) PSI TO 11-14" WC OR MANUFACTURER'S RECOMMENDED INLET OPERATING PSI. GAS LINE AFTER REGULATOR SHALL BE MIN. 3/4". REFER TO M19/P501.

PLAN NORTH

1 P-105 ROOF
1/8" = 1'-0"

0 5 10 25 FT

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Georgia COA: CROFT
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PROJECT NUMBER
2022-313

DRAWN: CEH
CHECKED: AEH

SHEET TITLE
ROOF PLAN

SHEET NO.
P-105

ALPHA BLDG SET 08-19-2025

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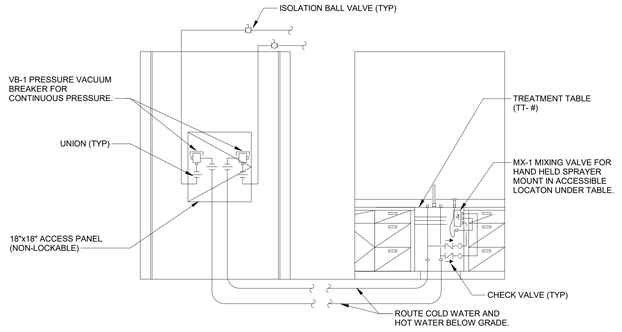
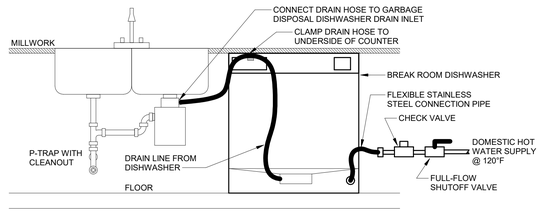
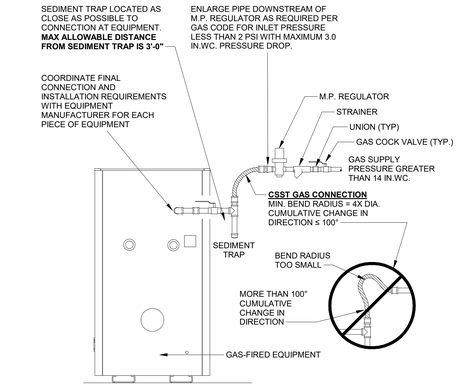


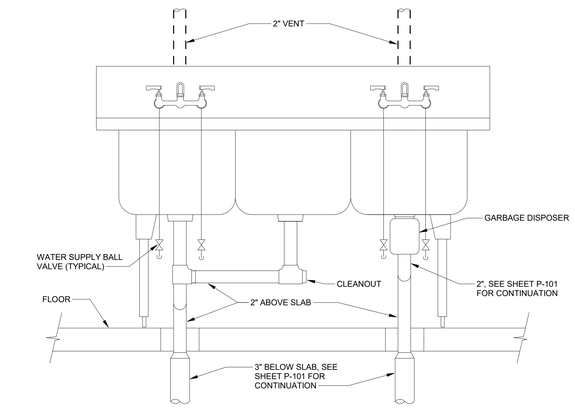
N1 P-501 TREATMENT TABLE PIPING DETAIL (ISLAND INSTALLATION)
NOT TO SCALE



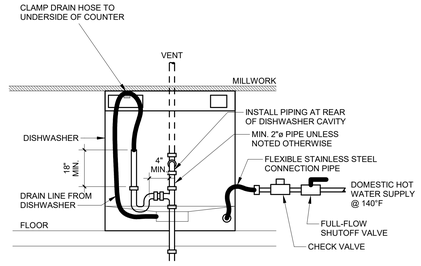
N10 P-501 STAND-ALONE DISHWASHER DRAIN LINE DETAIL
NOT TO SCALE



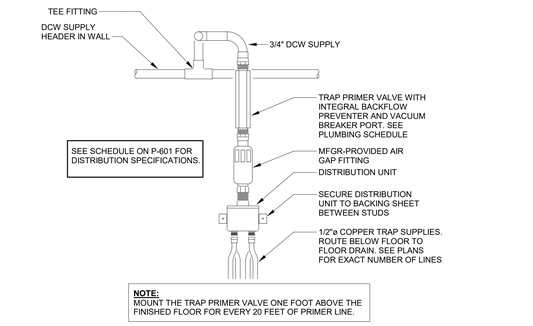
M19 P-501 NATURAL GAS CONNECTION (MED. PRESS.)
NOT TO SCALE



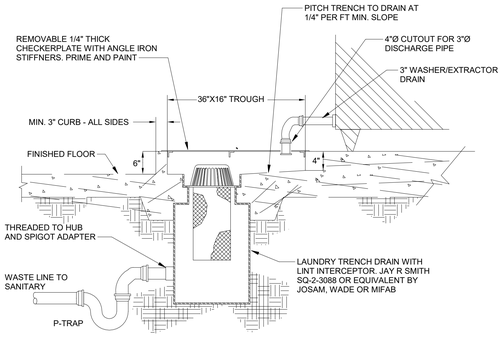
H1 P-501 3-COMPARTMENT SINK DETAIL
NOT TO SCALE



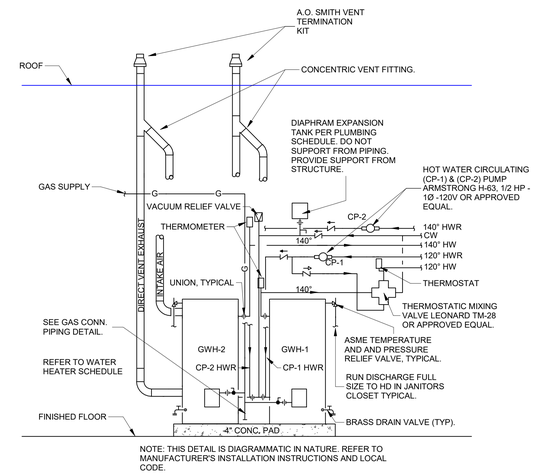
H10 P-501 STAND-ALONE DISHWASHER (DISHWASH ROOM) DRAIN LINE DETAIL
NOT TO SCALE



H19 P-501 DISTRIBUTION TRAP PRIMER DETAIL
NOT TO SCALE

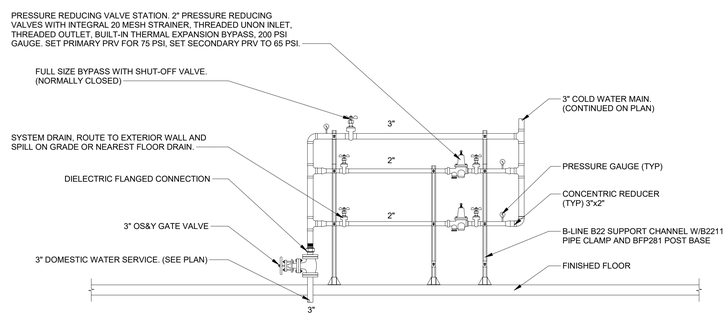


A1 P-501 EXTRACTOR DRAIN DETAIL
NOT TO SCALE



NOTE: THIS DETAIL IS DIAGRAMMATIC IN NATURE. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS AND LOCAL CODE.

A10 P-501 GAS WATER HEATERS W/ CIRCULATING PUMP DETAIL
NOT TO SCALE



NOTES:
1. REFER TO KEYNOTE #2 ON P102 FOR RPZ BFP SPECIFICATION ANDLOCATION. ANY METERING REQUIREMENTS WITH BOTH LOCAL WATER UTILITY CO. AND BLDG. OFFICALS.

2. SECURE PIPING TO WALL WITH UNISTRUT AND PIPE CLAMPS 30" O.C OR AS REQUIRED. COORDINATE AND FIELD ORIENT ALL PIPING SO AS NOT TO INTERFERE WITH SPRINKLER PIPING AND/OR ASSOCIATED DEVICES.

A16 P-501 WATER SERVICE RISER PIPING DETAIL
NOT TO SCALE

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DRAWN: CEH
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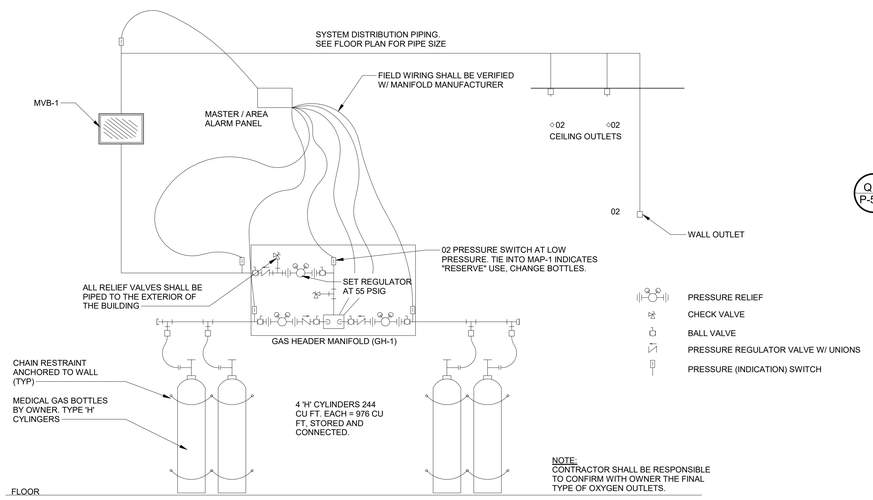
SHEET TITLE
PLUMBING DETAILS

SHEET NO.
P-501

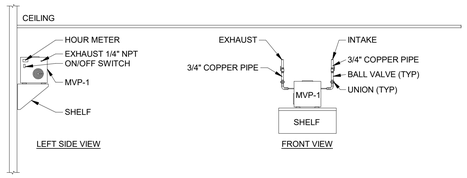
THIS SHEET PLOTS ON 42" X 30"

3" 2" 1" 1/2" 0

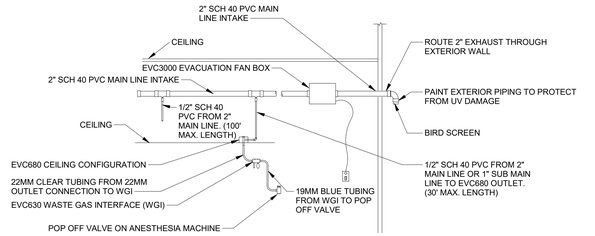
ALPHA BLDG SET 08-19-2025



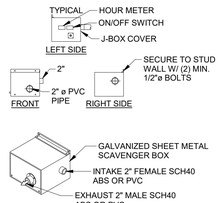
M1 P-502 OXYGEN SYSTEM DIAGRAM
NOT TO SCALE



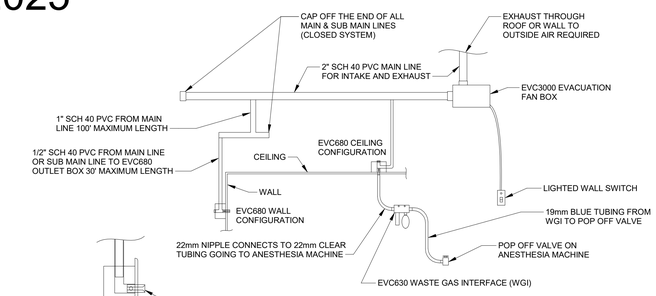
Q11 P-502 MEDICAL VACUUM PUMP DETAIL
NOT TO SCALE



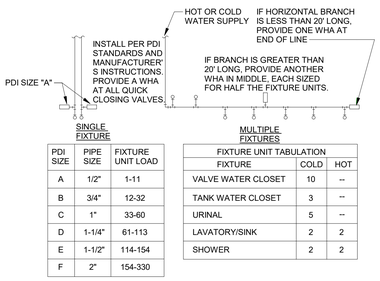
Q18 P-502 SCAVENGER EVACUATION PIPING DIAGRAM
NOT TO SCALE



J13 P-502 SCAVENGER FAN DETAIL
NOT TO SCALE



F18 P-502 WASTE GAS EVACUATION DIAGRAM
NOT TO SCLAE

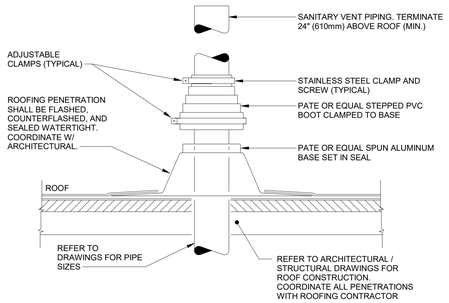


PDI SIZE	PIPE SIZE	FIXTURE UNIT LOAD
A	1/2"	1-11
B	3/4"	12-32
C	1"	33-60
D	1-1/4"	61-113
E	1-1/2"	114-154
F	2"	154-330

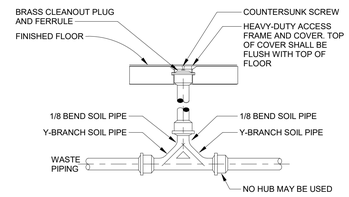
FIXTURE UNIT TABULATION		
FIXTURE	COLD	HOT
VALVE WATER CLOSET	10	--
TANK WATER CLOSET	3	--
URINAL	5	--
LAVATORY/SINK	2	2
SHOWER	2	2

DO NOT PROVIDE AIR CHAMBERS. PROVIDE WATER HAMMER ARRESTERS BY SIOUX CHIEF, PRECISION PLUMBING PRODUCTS, WATTS OR APPROVED EQUIVALENT WITH PISTON AND O-RING CONSTRUCTION, HAVING PDI #WH-201, ASSE #1010 AND ANSI #A112.26.1M CERTIFICATION. INSTALL IN HORIZONTAL OR VERTICAL POSITION, BUT NEVER UPSIDE DOWN. INSTALL IN LINE WITH WATER FLOW IF POSSIBLE. SIZE THE UNITS AS SHOWN ON THE DRAWINGS AND/OR PER THE TABLES SHOWN ABOVE. SIOUX CHIEF "MINI-RESTER" MAY BE USED AT INDIVIDUAL FIXTURES. PROVIDE ACCESSIBILITY TO WATER HAMMER ARRESTORS AS REQUIRED BY LOCAL CODE.

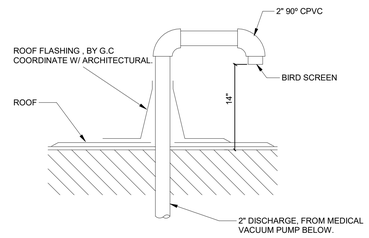
F1 P-502 WATER HAMMER ARRESTERS
NOT TO SCALE



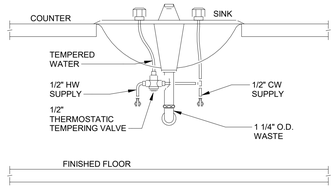
F6 P-502 TYPICAL SANITARY VENT THRU ROOF DETAIL
NOT TO SCALE



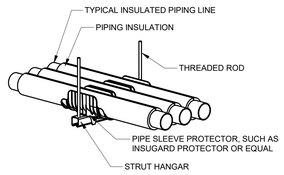
F13 P-502 TYPICAL 2-WAY FLOOR CLEANOUT DETAIL
NOT TO SCALE



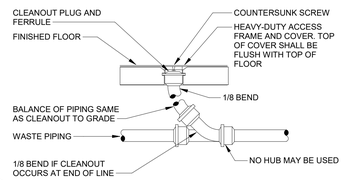
J12 P-502 SCAVENGER EVACUATION TERMINATION DETAIL
NOT TO SCALE



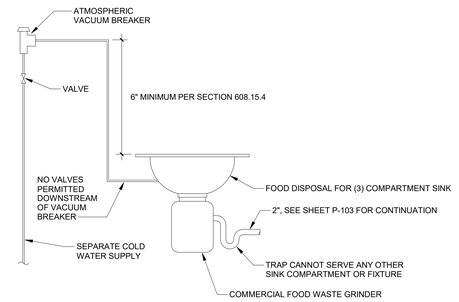
A1 P-502 TMV UNDER LAV DETAIL
NOT TO SCALE



A8 P-502 PIPING SUPPORT HANGER DETAIL
NOT TO SCALE



A13 P-502 TYPICAL FLOOR CLEANOUT DETAIL
NOT TO SCALE



A20 P-502 FOOD WASTE DISPOSER DETAIL
NOT TO SCALE

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GEORGIA REGISTERED No.PE024160 PROFESSIONAL ENGINEER JAMIE E. HADLOW

Georgia COA: CROFT
Authorization No.: PEF007438
Expires: 06/02/2026

03/07/2025

OWNER

HABERSHAM COUNTY ANIMAL CONTROL

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CONERLIA, GA
30531

No.	Date	Description
0	2024-07-08	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

DRAWN: CEH
CHECKED: AEH

SHEET TITLE
PLUMBING DETAILS

SHEET NO.
P-502

THIS SHEET PLOTS ON 42" x 30"

PLUMBING FIXTURE SCHEDULE

Mark	Fixture Description	Flow	Mfgr	Model	Trim	Cold	Hot	Waste	Vent	Notes
2WECO	2-WAY EXTERIOR CLEANOUT	-	ZURN	CO2430	INCLUDE TWO WAY CLEANOUT FITTING	N/A	N/A	MATCH PIPE SIZE	N/A	N/A
AD1	AREA DRAN		ZURN	#Z150-NH-TS	14" SQUARE	N/A	N/A	3"	N/A	4,9
CHT1	CENTRAL HAIR TRAP	500 GALLON	ROCKFORD SANITARY	RLS-135	PROVIDE HEAVY DUTY TRAFFIC WEIGHT COVER & EXTENSIONS AS NECESSARY	N/A	N/A	MATCH PIPE SIZE	4"	N/A
EEW1	EMERGENCY EYEWASH	3 GPM	STINGRAY	#S2540-PN	STINGRAY SV107 THERMOSTATIC MIXING VALVE. 1/2" TEPID (60-100 DEGREE) WATER LINE.	1/2"	1/2"	N/A	N/A	N/A
EWC1	BI-LEVEL ADA WATER COOLER & BOTTLE-FILLER, REFRIGERATED, FILTERED	8 GPH	OASIS	PG8SBFSL	STAINLESS FINISH; 120V / 60 HZ	1/2"	N/A	2"	2"	6
FCO	FLOOR CLEANOUT	-	MIFAB	C1220-1-6	LACQUERED CAST IRON BODY WITH NICKEL BRONZE TOP AND SECURITY SCREWS	N/A	N/A	MATCH PIPE SIZE	N/A	N/A
FD1	FLOOR DRAIN - TOILET ROOM	-	ZURN	#ZN415-NH-7B-Y	7" DIAMETER	1/2"	N/A	3"	2"	4,9
FD2	FLOOR DRAIN - JAN. CLOSET, LAUNDRY	-	ZURN	#ZN415-NH-7B-Y	8" DIAMETER	N/A	N/A	3"	2"	1,9
FD3	FLOOR DRAIN - ANIMAL OPEN FLOOR		ZURN	#ZN415-NH-7B-Y	7" DIAMETER	N/A	N/A	3"	N/A	4,9
FD4	FLOOR DRAIN - DOG CAGE		ZURN	#ZN415-NH-8S-Y	8" SQUARE	N/A	N/A	3"	N/A	4,9
FD5	FLOOR DRAIN - CAT CAGE		ZURN	ZURN #ZN415-NH-6D-P-Y	12" SQUARE	N/A	N/A	4"	N/A	1,9
FD6	FLOOR DRAIN - MECHANICAL ROOM FLOOR SINK IN LAUNDRY TRENCH		ZURN	#Z610-NH-S	12-1/2" SQUARE	N/A	N/A	4"	N/A	1,9
FS1			ZURN	LC #FD2375	12" SQUARE	N/A	N/A	6"	N/A	1,9
HD1	FLOOR HUB DRAIN - NICKEL BRONZE	-	ZURN	ZN211-S-*NH	DURA-COAT® CAST IRON BODY; BOTTOM OUTLET; SEDIMENT BUCKET	N/A	N/A	MATCH PIPE SIZE	N/A	1
HR1	HOSE REEL		COX REELS	#EZ-COIL EZ-P-LP-430 - 30 FT HOSE	SPRAYER-STRAHMAN; MINI-70 SPRAYER. PROVIDE SPRING DRIVEN HOSE REEL THAT AUTMATICALLY RETRIEVES AND STORES HOSE. PROVIDE SPRAYER AT END OF HOSE.	3/4"	N/A	N/A	N/A	8
HR2	HOSE REEL		COX REELS	#EZ-COIL EZ-SH-450 - 50 FT HOSE	SPRAYER-STRAHMAN; MINI-70 SPRAYER. PROVIDE SPRING DRIVEN HOSE REEL THAT AUTMATICALLY RETRIEVES AND STORES HOSE. PROVIDE SPRAYER AT END OF HOSE.	3/4"	N/A	N/A	N/A	8
IMB1	IMCE MAKER BOX		SIOUX CHIEF	#696-G1010MF	NO LEAD. COMPLETE W/ WATER HAMMER ARRESTOR. USE #696R SERIES FOR FIRE RATED WALLS.	1/2"	N/A	N/A	N/A	N/A
L1	UNDERMOUNT LAVATORY; CAST IRON, SQUARE BASIN, BUILT-IN OVERFLOW,ADA	0.5 GPM	KOHLER	VERTICYL K-2882-0	GRID DRAIN, P-TRAP, TOTO TEL115 HYDROPOWER FAUCET, 19"x16"	1/2"	1/2"	2"	1-1/2"	2,6
LT1	FLOOR-MOUNT LAVATORY; VITREOUS CHINA, 2-HOLE,	0.5 GPM	ELKAY	SS81242	ELKAY #LK940HA08L2H FAUCET, PAIL HOOK, INTEGRAL STOPS, WALL MOUNT SPOUT SUPPORT, 3" TRAP STANDARD	1/2"	1/2"	2"	1-1/2"	2,6
LTD1	LAUNDRY TRENCH DRAIN		J R SMITH	SQ-2-3088	LINT STRAINER W/ DOME LID TO BE INSERTED INTO A PRECAST CATCH BASIN. ALL OF ABOVE TO BE INSTALLED AT THE LOW END OF THE PRECAST 1'-0" Wx4"-0"2'-0" D LAUNDRY TRENCH. REFER TO DETAIL	-	-	6"	1-1/2"	N/A
MS1	SQUARE, MOLDED STONE, FLOOR MOUNTED MOP SINK	-	FIAT PRODUCTS	MSB-2424	CHICAGO FAUCETS MODEL#897 CHROME, 3/4" HOSE THREAD SPOUT AND WALL BRACE MTD @ 24" A.F.F., FIAT 832-AA 30" HVY DUTY FLEXIBLE 3/4" RUBBER HOSE & WALL BRACKET, FIAT 833-AA SILICONE SEALANT, FIAT 889-CC 18-GAUGE TYPE-302 SS MOP HANGAR, INTEGRAL STAINLESS STEEL STRAINER EXTENSION	1/2"	1/2"	3"	2"	6
SCO	SURFACE CLEANOUT	-	MIFAB	C1300-MF-4-6	CAST IRON BODY AND DUCTILE IRON COVER/PLG	N/A	N/A	MATCH PIPE SIZE	N/A	N/A
SH1	SHOWER SET FOR TILE-IN SHOWER,ADA, 62"X33"	2 GPM	COMFORT DESIGNS	SSS6233BF-F .75 L-BAR ADA, FOR LEFT/RIGHT PER PLAN.	LAWLER THERMOSTATIC AND PRESSURE BALANCING VALVE #M7800-SC1-RB-HS3. STANDARD FLOW INLINE STOPS, CHECKS, TRIM W/ LEVER HANDLE, METAL HANDHELD SHOWER 60" HOSE, 24" BAR, PERMANENT SEAT. OATEY SHOWER DRAIN, COMMERCIAL-GRADE	1/2"	1/2"	3"	2"	6
SS1	SCRUB SINK	1.5 GPM	ELKAY SINK, ZURN AQUASENCE FAUCET	EWSF-26026 (60"L x 23"H x 26"D), ZURN AQUASENSE Z6920-CWB	HARD-WIRED SENSING FAUCET (QTY-2) /GRID DRAINS-ELKAY #LK18B (QTY-2) /THERMOSTATIC MIXING VALVE-ANTI-SCALD (QTY-2)	1/2"	1/2"	2"	1-1/2"	2,6
TD1	HEAVY DUTY FIBERGLASS SLAB-TYPE TRENCH DRAIN	-	ACO	FG200	8" WIDE TRENCH, 20'-0" TRENCH LENGTH; MIN 0.5% SLOPE; DUCTILE IRON LONGITUNDINAL-SLOTTED GRATE LOAD CLASS E WITH 4-BOLT SAFETY LOCKING SYSTEM; F660 INLINE CATCH BASIN AT END OF TRENCH W/ FIBERGLASS TRASH BUCKET INSERT.	N/A	N/A	3"	N/A	4,9
TD2	TRENCH DRAIN		DURA-TRENCH	#DTSS-05E24SSA	4" WIDE X 3'-6" LENGTH X 8" DEEP, BOTTOM OUTLET, EXTRA HEAVY DUTY TRAFFIC WEIGHT GRATE	N/A	N/A	3"	N/A	4,9
TD3	HEAVY DUTY FIBERGLASS SLAB-TYPE TRENCH DRAIN	-	DURA-TRENCH ZURN	#DTSS-05E24SSA #P6-PS	6" WIDE TRENCH, IN (3) LENGTHS: 20'-0", 30'-0" AND 40'-0"; MIN 0.5% SLOPE; DUCTILE IRON, LONGITUNDINAL. PET PAW STAINLESS STEEL GRATE LOAD CLASS A WITH 4-BOLT SAFETY LOCKING SYSTEM; INLINE CATCH BASIN AT END OF TRENCH W/ FIBERGLASS TRASH BUCKET INSERT.	N/A	N/A	3"	N/A	4,9
TT1	TREATMENT TUB TABLE	1.5 GPM	OWNER FURNISHED, CONTRACTOR INSTALLED	OWNER FURNISHED, CONTRACTOR INSTALLED	P.C. SHALL BE RESPONSIBLE FOR PROVIDING THE FOLLOWING TO INSTALL WITH TENANT PROVIDED FIXTURE: (2) 1/2"x3/8" WHEEL HANDLE ANGLE STOPS #KTCR19C, (2) 20" RIGID CHROME SUPPLY TUBES, 17 GAUGE 1 1/2" P-TRAP WITH C.O. PLUG, CHROME BOX ESCUTCHEON	1/2"	1/2"	3"	2"	6

PLUMBING FIXTURE SCHEDULE

Mark	Fixture Description	Flow	Mfgr	Model	Trim	Cold	Hot	Waste	Vent	Notes
AMS1	ACCEL 2-WAY BALL VALVE MIXING STATION	2 GPM - 8 GPM	LAFFERTY	VC-1065	CONTRACTOR SHALL COORDINATE WITH LAFFERTY MANUFACTURING THE PREFERRED INSTALLATION METHOD PRIOR TO PURCHASE AND INSTALLATION. CONTRACTOR SHALL ENSURE MIN 25, MAX 125 PSI.	3/4"	N/A	N/A	N/A	N/A
EXT1	HOT WATER SYSTEM EXPANSION TANK (8 GAL)	-	AO SMITH	TS-8	-	N/A	3/4"	N/A	N/A	N/A
NFWH1	FREEZE PROOF WALL HYDRANT	-	WOODFORD	B67	ENCASED, SELF DRAINING STAINLESS STEEL BOX WITH LOCKING COVER, INTEGRAL VACCUM BREAKER WITH 3/4" HOSE CONNECTION. EXTENSION # TO MATCH WALL THICKNESS	3/4"	N/A	N/A	N/A	6
NFRH1	FREEZE-PROOF SELF-DRAINING ROOF HYDRANT, ROOF-MOUNT, CAST IRON HEAD WITH LOCK OPTION	-	WOODFORD	SRH-MS		3/4"	N/A	N/A	N/A	6
SOI1	OIL/SAND INTERCEPTOR	100 GPM	ROCKFORD	GOST-5633-DW	SAND/OIL SEPARATOR W/H-20 RATED GRATE	N/A	N/A	4"	2"	
SK1 - BREAK ROOM	25"x22"x6"D SINGLE-BOWL UNDERMOUNT SINK, ADA	1.5 GPM	ELKAY	ECTSRAD252260	LK-35 BASKET STRAINER, KOHLER K-7506 PULL-OUT KITCHEN SINK FAUCET (7" SPOUT REACH) WITH LOW-FLOW KIT, IN-SINK-ERATOR CNTR333 3/4 HP DISPOSAL	1/2"	1/2"	2"	1-1/2"	2,6
SK2 - TREATMENT	SINGLE-BOWL INTEGRAL SINK W/EYEWASH	1.5 GPM	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	LK-35 BASKET DRAIN, ZURN Z831C4-XL-140-ICT-22F TWO HOLE DUAL LEVER FAUCET, 8"OC	1/2"	1/2"	2"	1-1/2"	2,6,7
SK3 - DOG BOWL SINK	3-COMPARTMENT SINK W/ (1) DRAINBOARDS	1.5 GPM	ADVANCE TABCO	FE-3-1620-18 RIGHT SIDE DRAINBOARD	TYPE 304 STAINLESS STEEL, THREE SINK BASINS, SS LEGS AND FEET, 9 IN HIGH BACK SPLASH, NSF. (1) K-126 10 IN SWING GOOSENECK FAUCET WITH WRIST BLADE HANDLES, 4" OC. BACK WALL MOUNTED & (1) K-126 LESS GOOSENECK WITH PRE-RINSE SPRAYER.	1/2"	1/2"	2"	1-1/2"	2,6
SK4 - ANIMAL AREAS	SINGLE-BOWL INTEGRAL SINK	1.5 GPM	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	LK-35 BASKET DRAIN, ZURN Z831C4-XL-140-ICT-22F TWO HOLE DUAL LEVER FAUCET, 8"OC	1/2"	1/2"	2	1-1/2"	2,6
TMV1	THERMOSTATIC MIXING VALVE	2 GPM - 452 GPM	LEONARD	MEGATRON 8NB-LF	CONTRACTOR SHALL COORDINATE WITH LEONARD MANUFACTURING THE PREFERRED INSTALLATION METHOD PRIOR TO PURCHASE AND INSTALLATION.	3"	3"	N/A	N/A	N/A
TP	TRAP PRIMER	-	PRECISION PLUMBING PRODUCTS	PR-500	BRASS BODY, 1/2" INLET, 1/2" OUTLET	1/2"	N/A	N/A	N/A	4
TPDU1	TRAP PRIMER DISTRIBUTION UNIT		SIOUX CHIEF	695-ER20	14"X30" RECESSED UNIT W/ 20 SINGLE MANIFOLD. UNIT PANEL SHALL FACE ROOM SERVING.	3/4"	N/A	N/A	N/A	6
TPDU2	TRAP PRIMER DISTRIBUTION UNIT		SIOUX CHIEF	695-ER10	14"X14" RECESSED UNIT W/ 10 DOUBLE MANIFOLD. UNIT PANEL SHALL FACE ROOM SERVING.	3/4"	N/A	N/A	N/A	6
UR1	URINAL; VITREOUS CHINA, WALL-HUNG, ELONGATED,BATTERY FLUSH VALVE, LOW-FLOW, SIPHON JET, ADA	0.125 GPF	TOTO	UT105U(G)	TOTO TEU1UA12-CP HYDROPOWERED FLUSH VALVE, FURNISH AND INSTALL FACTORY PROVIDED WALL CARRIER. FOR ADA INSTALLATION HEIGHT. SEE ARCH RESTROOM DETAILS	3/4"	N/A	2"	1-1/2"	6
WC1	WATER CLOSET; VITREOUS CHINA, FLOOR-MOUNT, BATTERY FLUSH VALVE	1.28 GPF	TOTO	CT705ENG	TOTO TET1LA32-CP HYDROPOWERED FLUSH VALVE, HEAVY-DUTY TOILET SEAT FURNISH AND INSTALL FACTORY PROVIDED WALL CARRIER. FOR NON-ADA INSTALLATION HEIGHT. SEE ARCH RESTROOM DETAILS	1"	N/A	4"	2"	6
WC2	WATER CLOSET; VITREOUS CHINA, FLOOR-MOUNT, BATTERY FLUSH VALVE, ADA	1.28 GPF	TOTO	CT705ULN(G)	TOTO TET1LA32-CP HYDROPOWERED FLUSH VALVE, HEAVY-DUTY TOILET SEAT FURNISH AND INSTALL FACTORY PROVIDED WALL CARRIER. FOR ADA INSTALLATION HEIGHT. SEE ARCH RESTROOM DETAILS	1"	N/A	4"	2"	3,6
WCO	WALL CLEANOUT	-	ZURN	Z-1440	SIZE TO MATCH RISER	N/A	N/A	MATCH PIPE SIZE	N/A	5
WHA	WATER HAMMER ARRESTOR	-	MIFAB	MWH	FIXTURE UNIT RATING 1-11: 1/2" FIXTURE UNIT RATING 12-30: 3/4" FIXTURE UNIT RATING 31-60: 1" FIXTURE UNIT RATING 61-113: 1-1/4" FIXTURE UNIT RATING 114-154: 1-1/2"	REFER TO PDI SPEC	REFER TO PDI SPEC	REFER TO PDI SPEC	REFER TO PDI SPEC	6
WO1	WATER OUTLET		SIOUX CHIEF	#696-G1010MF	BRASS VALVES. NO LEAD. COMPLETE W/ WATER HAMMER ARRESTOR. USE #696R SERIES FOR FIRE RATED WALLS. PROVIDE WITH WATTS LF7R DCV.	1/2"	N/A	N/A	N/A	6

GENERAL NOTES:

A) COORDINATE FINISH OF ALL FIXTURES, CLEANOUT COVERS, ETC. WITH ARCHITECT
B) FIXTURE FLOW RATES SHOWN ARE RATED AT MINIMUM 40 PSI. CONTRACTOR SHALL VERIFY WATER PRESSURE AND MIN. FLOW RATE AFTER INSTALLATION

NOTES:

1) INCLUDE RECTORSEAL SURE SEAL® TRAP SEAL DEVICE OR APPROVED EQUAL
2) INCLUDE LEONARD MODEL 270 FAUCET MIXER VALVE, OR BY FAUCET MANUFACTURER IF SPECIFIED
3) MOUNT WATER CLOSET/URINAL PER ADA REQUIREMENTS. TRIP LEVER SHALL BE ON WIDE SIDE OF THE ROOM
4) SEE PLUMBING GENERAL NOTES ON FLOOR PLANS REGARDING TRAP PRIMERS
5) SIZE WALL CLEANOUT TO MATCH CONNECTED SANITARY PIPE
6) CONTRACTOR SHALL INSTALL WATER HAMMER ARRESTORS AS REQUIRED TO MEET THE FIXTURE LOAD. INSTALL IN ACCESSIBLE LOCATION COMPLETE WITH ACCESS PANEL
7) WATER CONNECTIONS SHOWN ARE FOR MIXING VALVE INLETS. WASTE CONNECTION SHOWN IS FOR EYEWASH BOWL.
8) PROVIDE EXPOSED SHUTOFF VALVE AT INLET OF HOSE REEL TO ALLOW HOSE REEL TO BE SHUT OFF FROM WITHIN THE ROOM. SHUTOFF VALVE SHALL BE MOUNTED AT NO HIGHER THAN 60" ABOVE FINISHED FLOOR.
9) " INDICATES ONLY OUTLET SIZE OF DRAIN BODY.

ALPHA BLDG SET 08-19-2025

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GEORGIA REGISTERED No.PE024160 PROFESSIONAL ENGINEER JAMIE E. HADLOW

Georgia COA: CROFT Authorization No.: PEF007438 Expires: 06/02/2026

03/07/2025

OWNER

HABERSHAM COUNTY ANIMAL CONTROL

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CONERLIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-07-08	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

DRAWN: CEH
CHECKED: AEH

SHEET TITLE
PLUMBING SCHEDULES

SHEET NO.
P-601

GAS WATER HEATER SCHEDULE

MARK	DESCRIPTION	MFGR	MODEL	STORAGE RECOVERY (GPH)	STORAGE CAPACITY (GAL)	SUPPLY TEMP. (°F)	WEIGHT, DRY (LB)	PRIMARY HEATING ELEMENT TYPE	INPUT (BTUH)	OUTPUT (BTUH)	EFF (%)	ELECTRICAL VOLTS	PH	NOTES
GWH-1	TANK WATER HEATER, NATURAL GAS-FIRED, 199,000 BTUH, 96% AFUE, CONDENSING, INDOOR INSTALLATION	A O SMITH	BTH199	235	100	140	553	NATURAL GAS	199,000	80,000	97.00%	120	1	1, 2
GWH-2	TANK WATER HEATER, NATURAL GAS-FIRED, 300,000 BTUH, 96% AFUE, CONDENSING, INDOOR INSTALLATION	A O SMITH	BTH300	349	119	140	855	NATURAL GAS	300,000	288,245	96.00%	120	1	1, 2

NOTES:

1) INSTALL ACID NEUTRALIZATION KIT.

2) INCLUDE FACTORY-INSTALLED WATER CIRCULATION PUMP WITH END-OF-LINE THERMOSTAT KIT. INSTALL TEMPERATURE SENSOR AS INDICATED ON DRAWINGS AND DETAILS.

PUMP SCHEDULE

MARK	DESCRIPTION	TYPE	SERVICE	MFGR	MODEL	DRIVE	RATED SPEED (RPM)	DUTY POINT EFF. (%)	FLUID TEMP (°F)	FLOW (GPM)	TOTAL HEAD (FT.)	NPSH (FT.)	MOTOR (HP)	ELECTRICAL VOLTS	PH	NOTES
CP-1	CENTRIFUGAL PUMP	INLINE	DOMESTIC HOT WATER CIRCULATION (GWH-1)	B&G	ECOCIRC 55-45	ECM	4600	70	140	25	20	3	1.50	208	1	1
CP-2	CENTRIFUGAL PUMP	INLINE	DOMESTIC HOT WATER CIRCULATION (GWH-1)	B&G	ECOCIRC 55-45	ECM	4600	70	140	25	20	3	1.50	208	1	1

GENERAL NOTES:

A) ALL PUMPS HANDLING POTABLE WATER MUST BE OF LEAD-FREE BRONZE CONSTRUCTION WITH STAINLESS STEEL IMPELLERS AND SHAFTS. ALL WETTED PARTS MUST BE OF MIN. AISI 304 STAINLESS STEEL CONSTRUCTION

NOTES:

1) PUMP SHALL BE CONTROLLED WITH AN END-OF-LINE THERMOSTAT. SEE MECHANICAL DETAILS AND DRAWINGS FOR THERMOSTAT LOCATION. PUMP SHALL ACTIVATE TO CIRCULATE WHEN MEASURED TEMPERATURE DROPS TO 10°F BELOW INDICATED DESIGN SETPOINT.

MEDICAL GAS SCHEDULE

MARK	DESCRIPTION	MFGR	MODEL	OPERATING PARAMETERS FLOW RATE (SCFM) @ 17"hg	dB(A) LEVEL	SUPPLY TEMP. (°F)	WEIGHT, DRY (LB)	PRIMARY HEATING ELEMENT TYPE	INPUT (AMPS)	ELECTRICAL VOLTS	PH	NOTES
O21	**OXYGEN CEILING OUTLET**	**SUPERA**	**EVC680**									
O22	**OXYGEN WET TABLE OUTLET**	**SUPERA**	**EVC680**									
O23	**OXYGEN WALL OUTLET**	**SUPERA**	**EVC680**									
SO1	**SCAVENGER CEILING OUTLET**	**SUPERA**	**EVC680**									
SO2	**SCAVENGER WET TABLE OUTLET**	**SUPERA**	**EVC680**									
SO3	**SCAVENGER WALL OUTLET**	**SUPERA**	**EVC680**									
MVP1	MEDICAL VACUUM EVAC PUMP	SUPERA	EVC3000	0.4	50	120	4	ELECTRIC	4	115	1	1
MAP1	MEDICAL ALARM PANEL	SUPERA						ELECTRIC		115	1	

NOTES:

1.) 60 HZ

ALPHA BLDG SET 08-19-2025

THIS SHEET PLOTS ON 42" x 30"

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No.	Date	Description
0	2024-07-08	PERMIT SET
ISSUANCE		

PROJECT NUMBER
2022-313

DRAWN: CEH
CHECKED: AEH

SHEET TITLE
PLUMBING SCHEDULES

SHEET NO.
P-602

THIS SHEET PLOTS ON 42" x 30"

3" 2" 1" 1/2" 0

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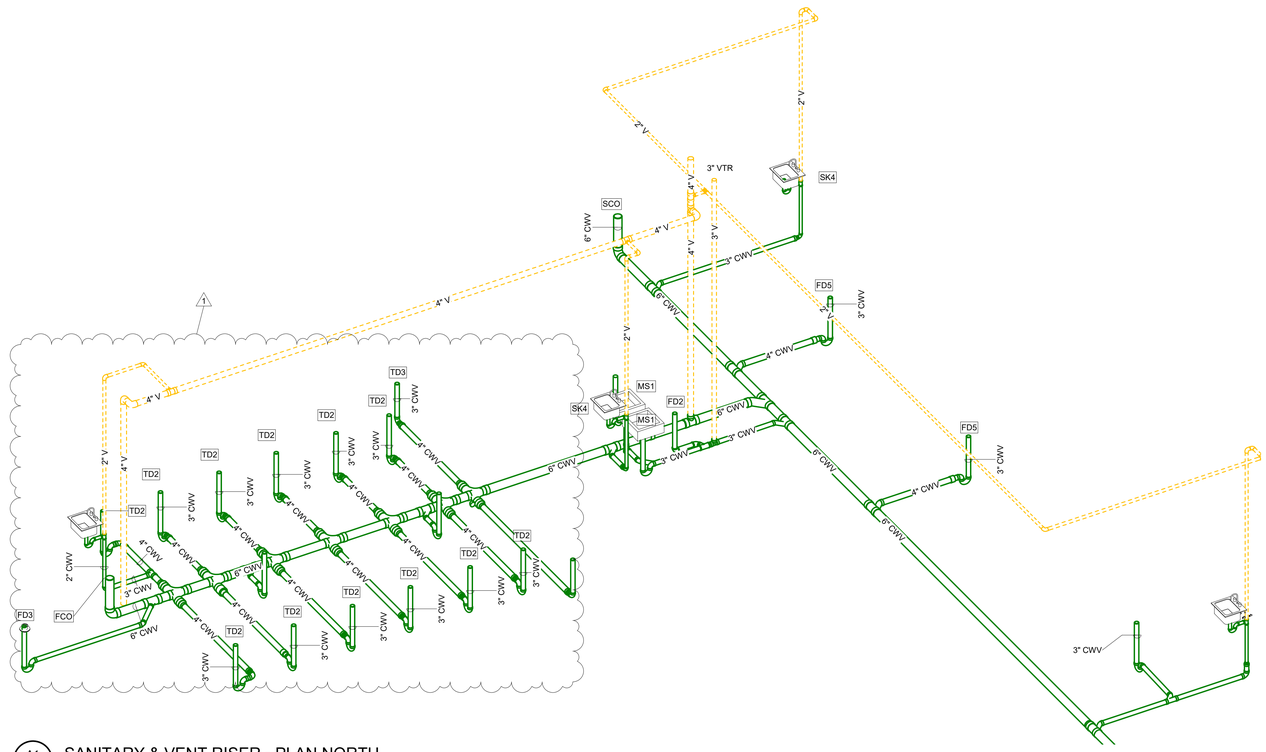

A1 P-901 SANITARY & VENT RISER - PLAN NORTH

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PROJECT NUMBER
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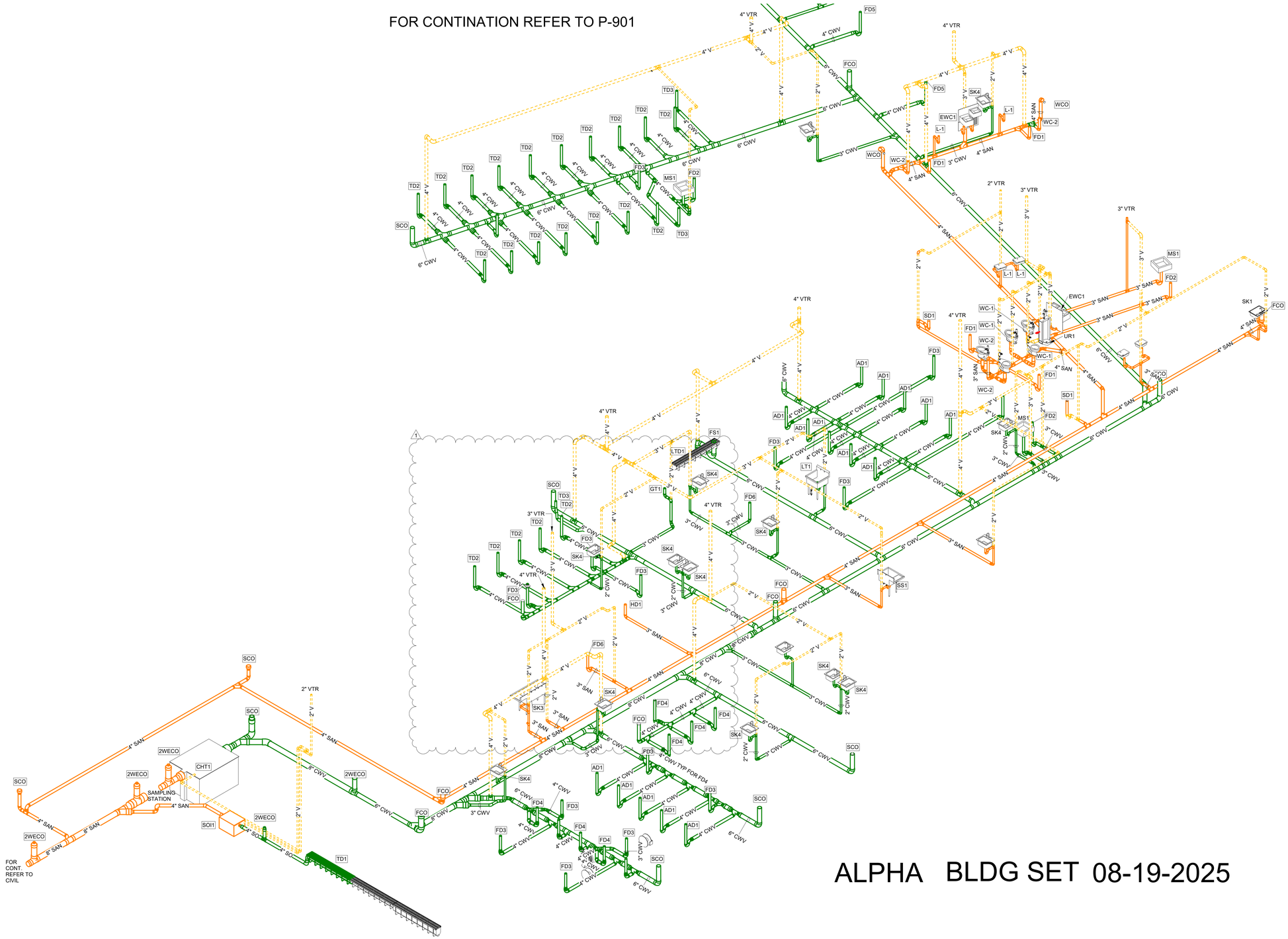
SHEET TITLE
SANITARY & VENT RISERS - PLAN NORTH

SHEET NO.
P-901

THIS SHEET PLOTS ON 42" X 30"

3" 2" 1" 1/2" 0

FOR CONTINATION REFER TO P-901



ALPHA BLDG SET 08-19-2025

A1
P-902
SANITARY & VENT RISER - PLAN SOUTH

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ISSUANCE		

PROJECT NUMBER
2022-313

DRAWN: CEH
CHECKED: AEH

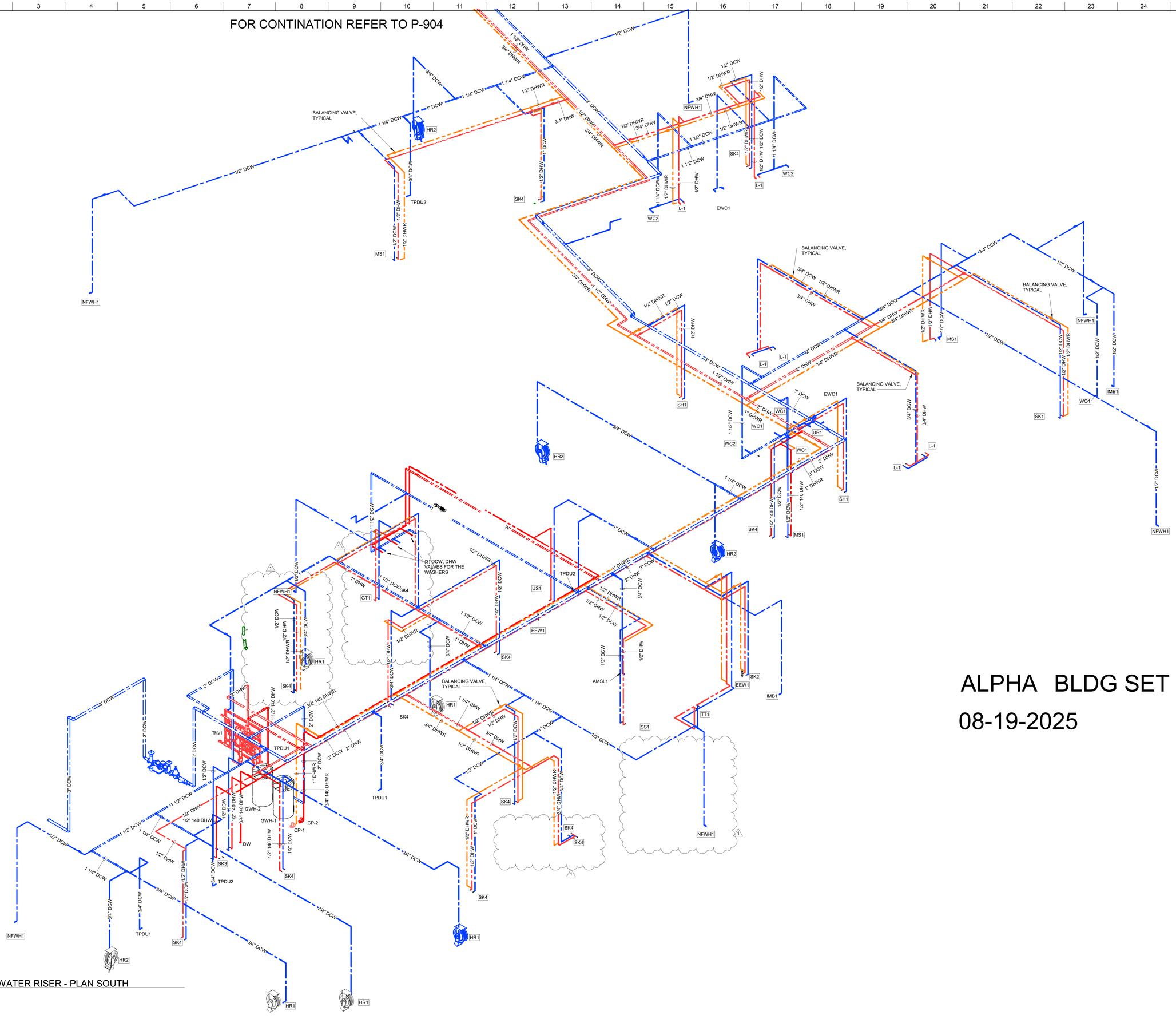
SHEET TITLE
SANITARY WASTE & VENT - PLAN SOUTH

SHEET NO.
P-902

THIS SHEET PLOTS ON 42" x 30"

3" 2" 1" 1/2" 0

FOR CONTINATION REFER TO P-904



A1 P-903 DOMESTIC WATER RISER - PLAN SOUTH

ALPHA BLDG SET

08-19-2025

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DRAWN: CEH
CHECKED: AEH

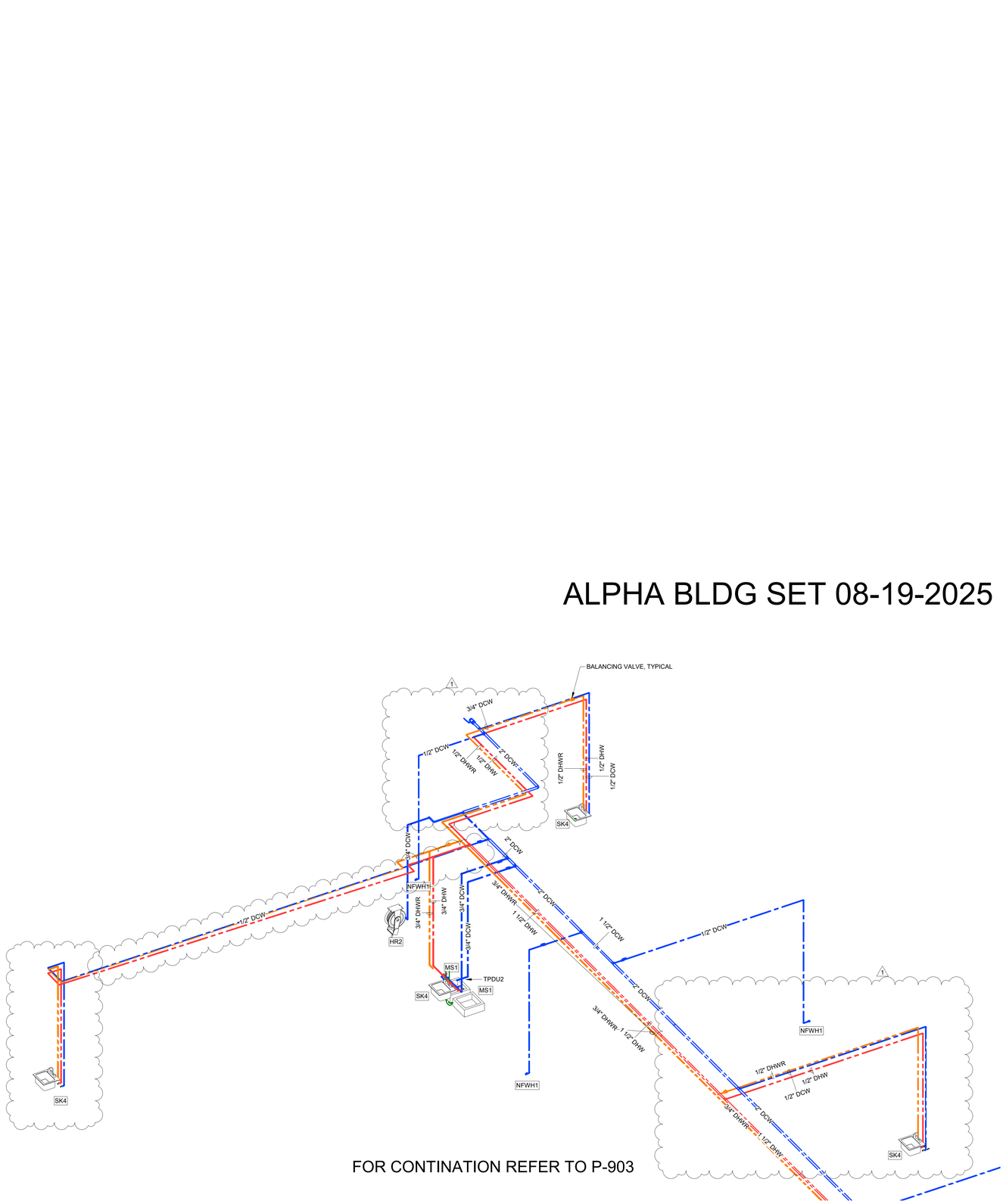
SHEET TITLE
DOMESTIC WATER RISERS - PLAN SOUTH

SHEET NO.
P-903

THIS SHEET PLOTS ON 42" x 30"

3" 2" 1" 1/2" 0

ALPHA BLDG SET 08-19-2025



FOR CONTINATION REFER TO P-903

A1
P-904

DOMESTIC WATER RISER - PLAN NORTH

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ISSUANCE		

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DRAWN: CEH
CHECKED: AEH

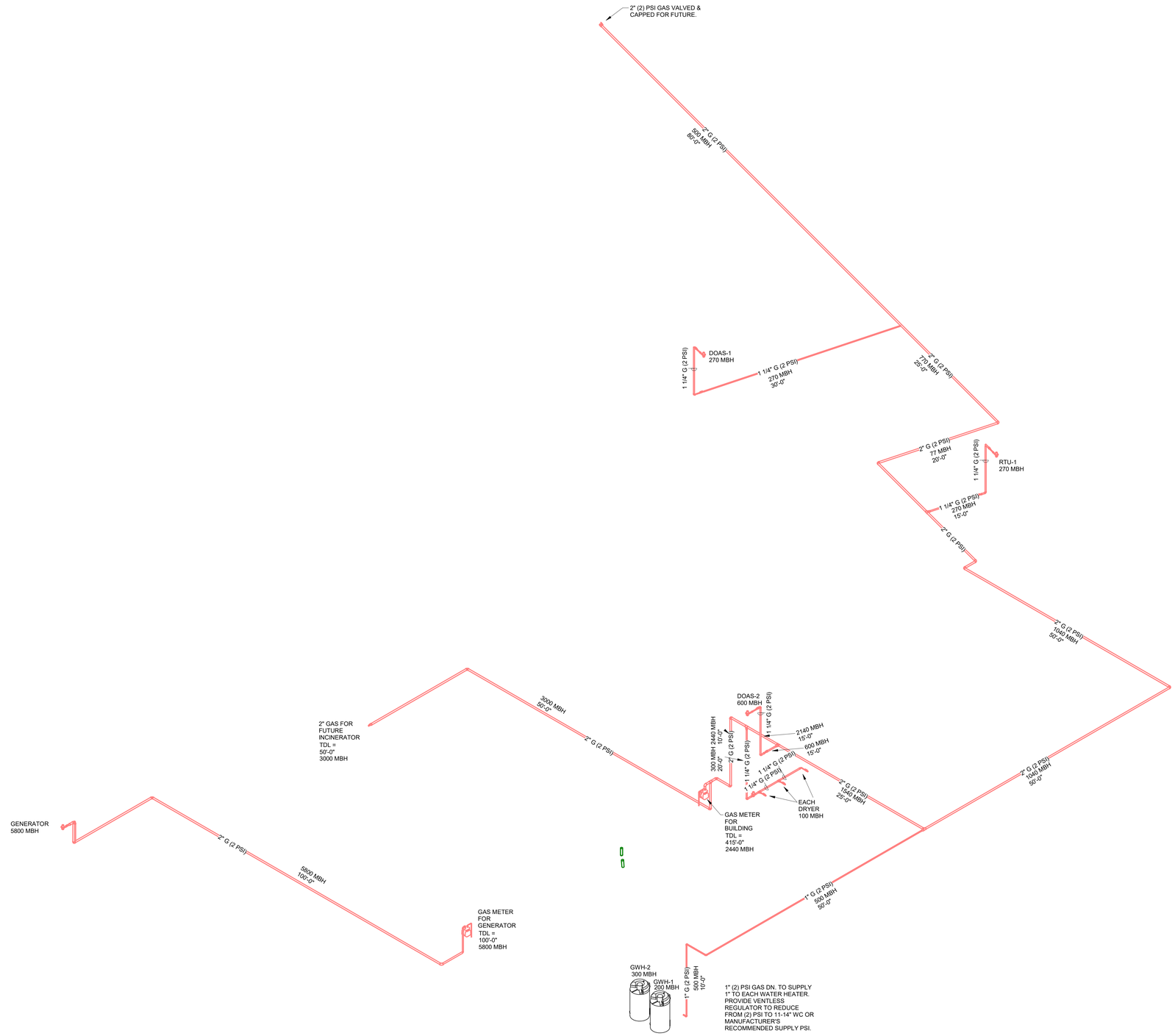
SHEET TITLE
DOMESTIC WATER RISERS - PLAN NORTH

SHEET NO.
P-904

THIS SHEET PLOTS ON 42" x 30"

3" 2" 1" 1/2" 0

ALPHA BLDG SET 08-19-2025



A1
P-905
GAS RISER

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DRAWN: CEH
CHECKED: AEH

1

SHEET TITLE
NATURAL GAS RISER

SHEET NO.
P-905

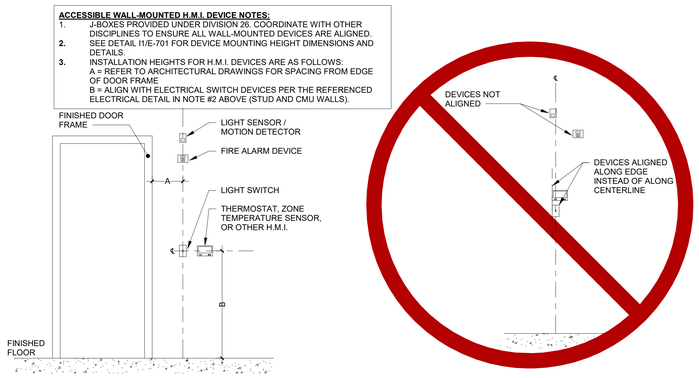
THIS SHEET PLOTS ON 42" X 30"

MASTER KEY: MECHANICAL NEW WORK PROJECT SHEET NOTES
NOTES APPLY ACROSS ALL MECHANICAL NEW WORK SHEETS. SEE INDIVIDUAL SHEETS FOR APPLICATION.

TAG #	TAG DESCRIPTION
1	EXPOSED DUCT IN THIS AREA SHOULD BE PAINTED. COORDINATE WITH ARCHITECT.
2	SUPPLY & RETURN / EXHAUST FROM UNIT ON ROOF. SEE SHEET M-104 FOR CONTINUATION.
3	LINEAR SUPPLY GRILLES INSTALLED ALONG WALL. SEE ARCHITECTURAL RCP FOR TRACK LENGHT AND DETAILS. SUPPLY GRILLES ARE ACTIVE AS SHOWN. NON CONNECTED AIR TERMINALS ARE INACTIVE AND SHOULD BE CAPPED ABOVE CEILING. FINAL INSTALLATION SHOULD APPEAR AS ONE CONTINUOUS AIR TERMINAL.
4	EXHAUST GRILLE MOUNTED LOW. INSTALL SO THAT BOTTOM OF GRILLE IS AT 6" AFF.
5	SIDEWALL INTAKE LOUVER MOUNTED AT 3'-6" ABOVE FINISHED FLOOR.
6	INFRARED HEATER MOUNTED MIN. 12'-0" ABOVE FINISHED FLOOR. CONNECT AND ROUTE 4" VENT TO ROOF. TERMINATE WITH MANUFACTURERS ROOF CAP.
7	EXHAUST FAN MOUNTED AT 14'-6". REFER TO ARCHITECTURAL SHEETS A-201 AND A-202 FOR LOUVER LOCATIONS. MOUNT FAN DIRECTLY BEHIND LOUVER.
8	EXHAUST FAN MOUNTED AS HIGH AS POSSIBLE IN SPACE. LOUVER MOUNTED AT SAME HEIGHT AS FAN.
9	UL-LISTED AND LABELED DRYER VENT SYSTEM. EACH DRYER TO HAVE A SINGLE 12" DIAMETER DUCT. THREE DRYERS SHALL COMBINE TO A 14" DIAMETER HEADER AND TERMINATE TO THE EXTERIOR AT THE ROOF. EXTERIOR TERMINATION TO BE FACTORY-PROVIDED. INSTALL A 120V BOOSTER FAN INLINE TO THE VENT SYSTEM. BOOSTER FAN BASIS OF DESIGN: LF SYSTEMS DEF025. SEE WRITTEN SPECIFICATIONS SECTION 23 3501 DRYER VENT EXHAUST COLLECTION SYSTEMS FOR ADDITIONAL DETAILS.
10	MINI-SPLIT HEAT PUMP UNIT ON ROOF. MOUNT ON ROOF CURB, SEE DETAIL A11/M-501.
11	MINI-SPLIT FAN-COIL UNIT MOUNTED ABOVE DOOR. ROUTE CONDENSATE TO NEAREST JANITORS SINK.
12	AIR TRANSFER OPENING ABOVE CEILING. INSTALL WITH FIRE DAMPER WHERE SHOWN.
15	EXHAUST DUCT UP TO ROOF MOUNTED EXHAUST FAN, EF-5. INSTALL HEPA FILTER INLINE TO VERTICAL DUCT RISER ABOVE CEILING. PROVIDE CLEARANCE FOR MAINTENANCE ACCESS. SEE SHEET M-104 FOR CONTINUATION.
16	EXHAUST DUCT UP TO ROOF FROM INLINE EXHAUST FAN. SEE SHEET M-104 FOR CONTINUATION.
17	UL-LISTED AND LABELED DRYER VENT ROOF TERMINATION.
18	EXHAUST FAN MOUNTED ON ROOF. SEE SHEET M-103 FOR CONTINUATION.
19	ROOFTOP GOOSENECK EXHAUST TERMINATION. REFER TO DETAIL A15/M-502.
20	BUILDING AUTOMATION PANEL. COORDINATE FINAL LOCATION WITH OTHER TRADES.
21	INFRARED HEATER ROOF TERMINATION VENT.
22	CONDENSATE PIPE SERVING ROOF EQUIPMENT. ROUTE TO NEAREST DOWNSPOUT AS SHOWN.

ACCESSIBLE WALL-MOUNTED H.M.I. DEVICE NOTES:

1. J-BOXES PROVIDED UNDER DIVISION 26. COORDINATE WITH OTHER DISCIPLINES TO ENSURE ALL WALL-MOUNTED DEVICES ARE ALIGNED.
2. SEE DETAIL I1/E-701 FOR DEVICE MOUNTING HEIGHT DIMENSIONS AND DETAILS.
3. INSTALLATION HEIGHTS FOR H.M.I. DEVICES ARE AS FOLLOWS:
   A = REFER TO ARCHITECTURAL DRAWINGS FOR SPACING FROM EDGE OF DOOR FRAME
   B = ALIGN WITH ELECTRICAL SWITCH DEVICES PER THE REFERENCED ELECTRICAL DETAIL IN NOTE #2 ABOVE (STUD AND CMU WALLS).



A1 / M-001 WALL-MOUNTED MECH. DEVICE DETAIL (OCCUPANT ACCESSIBLE)
NOT TO SCALE

ALPHA BLDG SET 08-19-2025

APPLICATION OF THE DRAWINGS:

1. THE DRAWINGS ARE AN ESSENTIAL PART OF THE CONTRACT DOCUMENTS AND SHALL BE USED IN CONJUNCTION WITH THE REQUIREMENTS OF THE SPECIFICATIONS SECTION OF THE CONTRACT DOCUMENTS. IN NO CASE ARE THE DRAWINGS TO BE CONSTRUED TO REQUIRE LESS THAN WHAT IS REQUIRED BY LOCAL CONDITIONS AND STATE AND LOCAL BUILDING CODES AND OTHER APPLICABLE LAWS.
2. THE OMISSION OF ANY PART OF THE CONTRACT DOCUMENTS IS LIKELY TO RESULT IN CONFLICTS, INCOMPLETE INSTALLATION, OR A FINISHED PRODUCT THAT DOES NOT FUNCTION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ANY SUCH CIRCUMSTANCES IDENTIFIED BY THE DESIGN PROFESSIONAL, THE OWNER, OR THE AUTHORITIES HAVING JURISDICTION SHALL REQUIRE THE CONTRACTOR TO REMEDY THE IDENTIFIED DEFICIENT WORK AT NO ADDITIONAL COST TO THE PROJECT.
3. DRAWINGS SHOULD NOT BE RELIED UPON TO DETERMINE THE QUANTITY OF MATERIALS TO BE SUPPLIED WITHOUT RECOURSE TO THE SPECIFICATIONS.
4. DRAWINGS ARE DIAGRAMMATIC AND ARE NOT REPRESENTATIVE OF ALL POTENTIAL CONDITIONS. COORDINATE WITH ALL DISCIPLINES TO ENSURE PROPER INSTALLATION OF ALL SYSTEMS AND EQUIPMENT.
5. CONFLICTS: THE PROVISION, SPECIFICATION OR DRAWING IN THE CONTRACT DOCUMENTS WHICH PROVIDES FOR THE HIGHER QUALITY OR QUANTITY SHALL TAKE PRECEDENCE OVER A CONFLICTING OR INCONSISTENT PROVISION, SPECIFICATION OR DRAWING IN THE CONTRACT DOCUMENTS. WHERE SUCH A CONFLICT IS IDENTIFIED, THE CONTRACTOR SHALL SUBMIT A REQUEST FOR INFORMATION (RFI) FOLLOWING THE PROCEDURES OUTLINED IN THE SPECIFICATIONS, SECTION 01 3000 ADMINISTRATIVE REQUIREMENTS.
6. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN(S) FOR EXACT LOCATION OF ALL CEILING-MOUNTED EQUIPMENT AND AIR DISTRIBUTION DEVICES.
7. SEE SHEET G-002 FOR COMMON PROJECT ABBREVIATIONS, DEFINITIONS, AND GENERAL NOTES APPLICABLE TO THESE DRAWINGS.

HVAC SYMBOL LEGEND

FD	FIRE DAMPER
H	HUMIDISTAT
T	THERMOSTAT
S	BUILDING STATIC PRESSURE SENSOR
	SUPPLY AIR DIFFUSER
	RETURN AIR DIFFUSER
	DIFFUSER BLANK
	FLEXIBLE DUCTWORK
1	KEYED NOTE TAG
M	MOTORIZED CONTROL DAMPER
	DUCT WITH ACOUSTICAL LINING
	MANUAL VOLUME DAMPER
	CONICAL DUCT TAKEOFF WITH INTEGRATED BALANCING DAMPER
	SPIRAL DUCTWORK
	SUPPLY AIR DUCT
	RETURN AIR DUCT
	OUTSIDE AIR DUCT
	EXHAUST AIR DUCT
	APPLIANCE COMBUSTION AIR EXHAUST DUCT
	WELDED STAINLESSS STEEL DUCT
	CONDENSATE PIPING
	REFRIGERANT PIPING

AIR DEVICE TAG

DEVICE TYPE MARK
AIRFLOW (CFM)
XX ###

HVAC ABBREVIATIONS

A.F.F.	ABOVE FINISHED FLOOR
BAS	BUILDING AUTOMATION SYSTEM
CD	CONDENSATE DRAIN
DOAS	DEDICATED OUTDOOR AIR SYSTEM
EA	EXHAUST AIR
EDH	ELECTRIC DUCT HEATER
EF	EXHAUST FAN
FC	FAN COIL
G	GAS
HVLS	HIGH VOLUME LOW SPEED
IRH	INFRARED HEATER
MSFC	MINI-SPLIT FAN COIL
MSHP	MINI-SPLIT HEAT PUMP
MSCU	MINI-SPLIT CONDENSER UNIT
OSA	OUTSIDE AIR
PIU	POWERED INDUCTION UNIT
REF	REFRIGERANT
RTU	ROOFTOP UNIT
SA	SUPPLY AIR
TYP.	TYPICAL
UH	UNIT HEATER
VAV	VARIABLE AIR VOLUME

MEDICAL GAS VENTILATION CALCULATION

GAS	TANK TYPE	VOL. / TANK (FT³)	# OF TANKS	VENTILATION RATE (CFM/5 FT²)	REQ. EXHAUST (CFM)
O2	H	244	8	1	390

NOTES:
1) CALCULATION IN ACCORDANCE WITH NFPA 99

BUILDING PRESSURIZATION CALCULATIONS

EQUIPMENT	FRESH AIR SUPPLY (CFM)	EXHAUST (CFM)	NET FLOW (CFM)	BALANCE
DOAS-1	7,000	6,300	700	POSITIVE
DOAS-2	8,600	6,700	1,900	POSITIVE
RTU-1	1,000	0	1,000	POSITIVE
EF-2	0	100	-100	NEGATIVE
EF-3	0	450	-450	NEGATIVE
EF-5	0	715	-715	NEGATIVE
EF-6	0	150	-150	NEGATIVE
EF-7	0	100	-100	NEGATIVE
TOTALS	16,600	14,515	2,085	

NET BUILDING BALANCE: POSITIVE
12.56%

VENTILATION ANALYSIS - RTU-1

SPACE NAME	SPACE NUMBER	SPACE TYPE	MAX OCCUPANTS	FLOOR AREA (SF)	REQ'D OSA (CFM/PERSON)	REQ'D OSA (CFM/SF)	DIST. EFFECT (Ez)	OSA TOTAL (CFM)
VESTIBULE	101	CORRIDOR	0	120	5	0.06	0.8	9
ADOPT LOBBY	102	LOBBY	8	795	5	0.06	0.8	110
MEETING	103	CONFERENCE	8	235	5	0.06	0.8	68
DOG BOND	104	CONFERENCE	4	175	5	0.06	0.8	38
RESTROOM	105	RESTROOM	0	65	0	0	0.8	0
RESTROOM	106	RESTROOM	0	65	0	0	0.8	0
SUPPLY	107	OFFICE	1	130	5	0.06	0.8	16
RESTROOM	123	RESTROOM	0	160	0	0	0.8	0
RESTROOM	124	RESTROOM	0	135	0	0	0.8	0
JANITOR	125	RESTROOM	0	75	0	0	0.8	0
BREAK	126	BREAKROOM	9	360	5	0.06	0.8	83
CLERKS	127	OFFICE	6	580	5	0.06	0.8	81
OFFICE	128	OFFICE	1	135	5	0.06	0.8	16
OFFICE	129	OFFICE	1	125	5	0.06	0.8	16
OFFICE	130	OFFICE	1	125	5	0.06	0.8	16
OFFICE	131	OFFICE	1	125	5	0.06	0.8	16
OFFICE	132	OFFICE	1	190	5	0.06	0.8	21
COPY	133	OFFICE	0	170	5	0.06	0.8	13
CLOSET	134	STORAGE	0	105	0	0.06	0.8	8
TOTAL								509

ANIMAL AREAS OUTSIDE AIR AND EXHAUST AIR RATES

UNIT	ROOM #	ROOM NAME	SF	HEIGHT	CF	EA AC/H	EA CFM	SA CFM
DOAS-1 (DOG / CAT ADOPT)	109	VEST	115	9	1,035	0	0	100
	110	CAT CORRIDOR	580	9	5,220	0	0	730
	111	CAT BOND 1	135	9	1,215	15	305	300
	112	CAT ADOPT 1	245	9	2,205	20	725	560
	113	CAT ADOPT 2	245	9	2,205	20	725	560
	114	CAT BOND 2	135	9	1,215	15	305	300
	115	CAT ADOPT 3	240	9	2,160	20	710	550
	116	JAN.	50	15	750	4	50	0
	117	DOG CORRIDOR	390	9	3,510	0	0	840
	118	DOG ADOPTION	910	9	8,190	12	1,630	1,310
	120	DOG ADOPTION	660	9	5,940	12	1,190	950
	121	PUPPY ADOPTION	370	9	3,330	12	660	530
	136	CORRIDOR	240	8	1,920	0	0	270
	TOTAL						6,300	7,000
DOAS-2 (INTAKE / TREATMENT)	122A	INTAKE CORRIDOR	805	10	8,050	0	0	1,000
	135	INTAKE DOG	985	10	9,850	12	1,970	1,600
	137	TREATMENT	305	10	3,050	0	305	460
	138	VET	65	10	650	0	150	150
	139	RAD.	70	10	700	0	150	150
	140	SURGERY	190	9	1,615	0	0	300
	141	LAUNDRY & LINEN	335	10	3,350	0	0	330
	142	INTAKE LOBBY	210	10	2,100	0	0	210
	143	CAT EVAL.	70	10	700	15	175	125
	144	VEST.	45	10	450	0	0	45
	145	FERAL	155	10	1,550	20	515	360
	146	LITTER	140	10	1,400	20	465	325
	147	COR.	155	10	1,550	0	0	160
	148	URI*	100	8	800	26	350	245
	149	STORAGE	70	8	560	0	0	40
	150	FUNGAL*	70	8	560	26	250	175
	151	EUTH	100	8	800	0	0	150
	153	MED DOG	270	10	2,700	12	540	410
	154	PUPPY	155	10	1,550	12	310	235
	155	DOG	135	10	1,350	12	270	205
	156	DOG EVAL.	125	10	1,250	12	240	170
	158	BULK STORAGE	300	20	6,000	0	0	300
	159	FOOD STORAGE	250	20	5,000	0	0	250
	160	BITE HOLD	535	10	5,350	12	1,070	805
	161	TEMP HOLD	270	10	2,700	12	540	400
	TOTAL						7,300	8,600

*FUNGAL AND URI ON SEPARATE FAN SYSTEM (EF-6)

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GEORGIA REGISTERED No. PE047197 PROFESSIONAL ENGINEER ANTHONY T. GARGIULO

Georgia COA: CROFT
Authorization No.: PEPI001438
Expires: 06/02/2026

03/07/2025

OWNER

HABERSHAM COUNTY ANIMAL CONTROL
130 JACOBS WAY, SUITE 302
CLARKSVILLE, GA
30523

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CORNELIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-07-08	PERMIT SET

ISSUANCE

PROJECT NUMBER
2022-313

DRAWN: JEB
CHECKED: MDJ

SHEET TITLE
HVAC LEGEND, ABBREVIATIONS, AND CALCULATIONS

SHEET NO.
M-001

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THIS SHEET PLOTS ON 42" X 30"

3" 2" 1" 1/2" 0

GENERAL DUCTWORK COORDINATION NOTE:
1. FULLY COORDINATE DUCTWORK WITH STRUCTURE PRIOR TO FABRICATING OR INSTALLING DUCTWORK.
2. DUCTWORK SHOP DRAWINGS MUST BE SUBMITTED AND REVIEWED PRIOR TO BEGINNING WORK. SEE SPECIFICATIONS SECTIONS 233100.

ALPHA BLDG SET 08-19-2025

PLAN NORTH

A21 M-101 HVAC PLAN - OVERALL
1/8" = 1'-0"

0 5 10 25 FT

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Georgia COA: CROFT
Authorization No.: PEP007438
Expires: 06/02/2026

03/07/2025

OWNER

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HABERSHAM COUNTY ANIMAL SHELTER

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CORNELIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-07-08	PERMIT SET
ISSUANCE		

PROJECT NUMBER
2022-313

DRAWN: JEB
CHECKED: MDJ

SHEET TITLE
HVAC PLAN OVERALL

SHEET NO.
M-101

THIS SHEET PLOTS ON 42" X 30"

0 1/2" 1" 2" 3"

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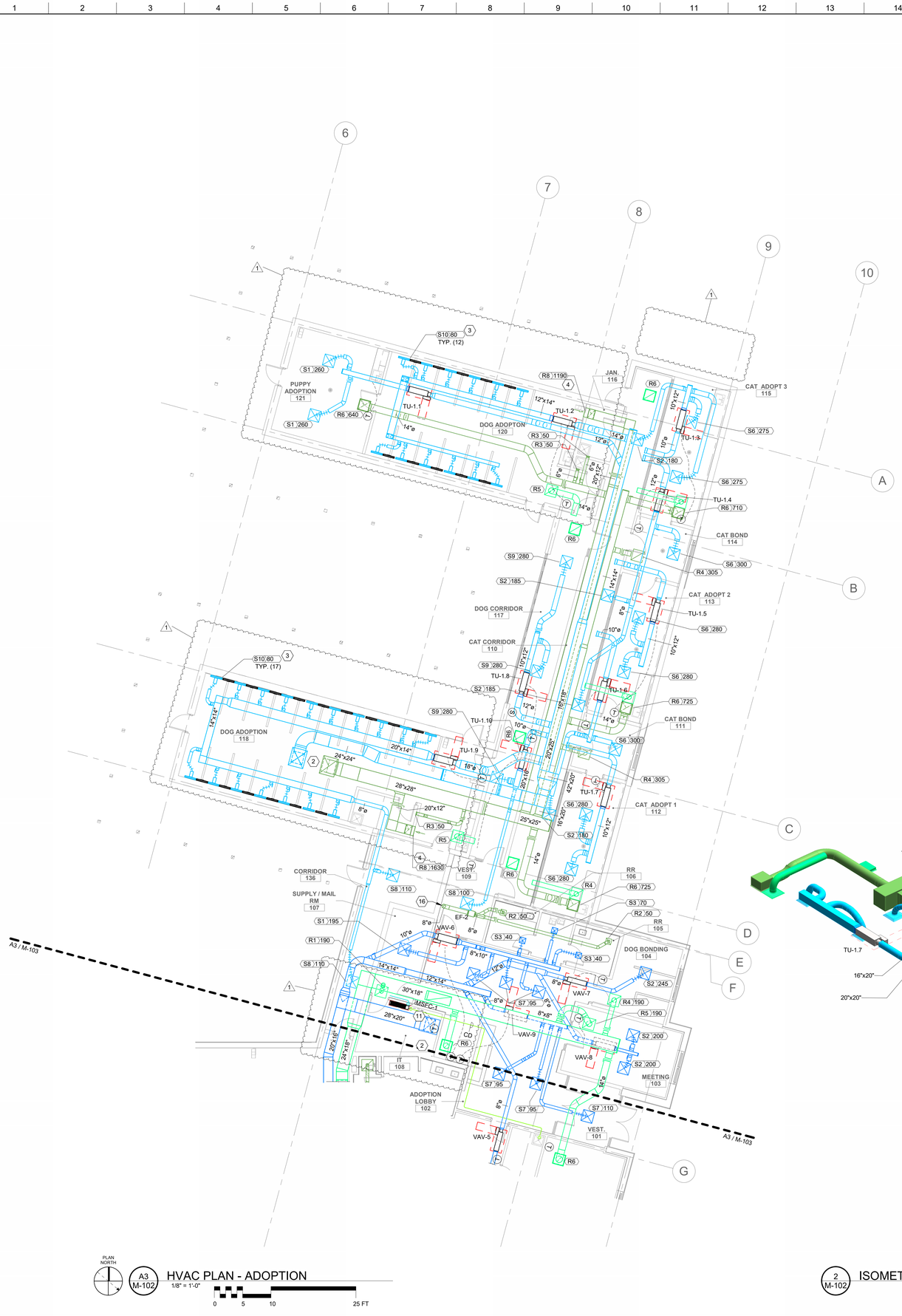
DUCT LINER NOTE:
1. DUCTS SERVING ANIMAL AREA (SUPPLY AND EXHAUST) THAT SHOW DUCT LINER ON THE DRAWINGS OR ARE SCHEDULED TO RECEIVE DUCT LINER IN THE WRITTEN SPECIFICATIONS SHAL LISE CLOSED-CELL ANTIBACTERIAL ELASTOMERIC FOAM RUBBER LINER. GLASS FIBER ACOUSTICAL DUCT LINER MAY NOT BE USED IN DUCTS SEERVING THESE AREAS.

GENERAL DUCTWORK COORDINATION NOTE:
1. FULLY COORDINATE DUCTWORK WITH STRUCTURE PRIOR TO FABRICATING OR INSTALLING DUCTWORK.
2. DUCTWORK SHOP DRAWINGS MUST BE SUBMITTED AND REVIEWED PRIOR TO BEGINNING WORK. SEE SPECIFICATIONS SECTIONS 233100.

SHEET NOTES: M-102
SEE MASTER KEY ON M-001 FOR COMPLETE SHEET NOTE LIST

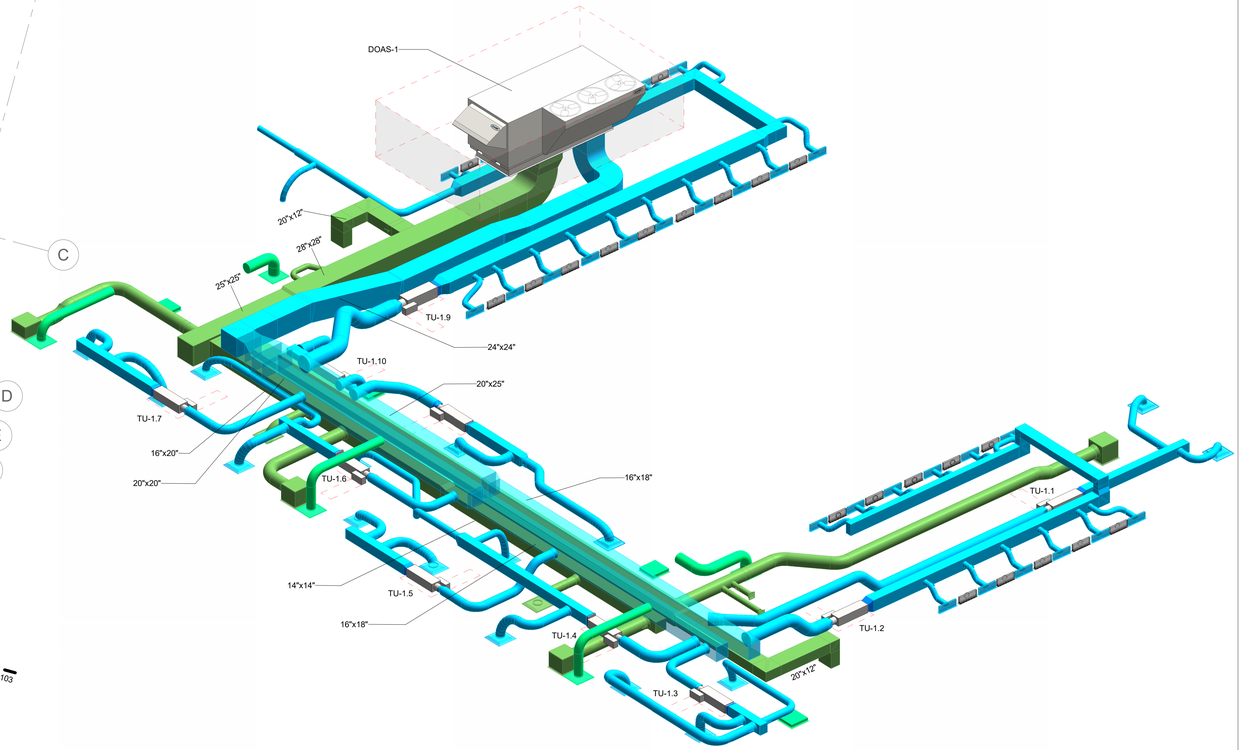
TAG #	TAG DESCRIPTION
2	SUPPLY & RETURN / EXHAUST FROM UNIT ON ROOF. SEE SHEET M-104 FOR CONTINUATION.
3	LINEAR SUPPLY GRILLES INSTALLED ALONG WALL. SEE ARCHITECTURAL RCP FOR TRACK LENGHT AND DETAILS. SUPPLY GRILLES ARE ACTIVE AS SHOWN. NON CONNECTED AIR TERMINALS ARE INACTIVE AND SHOULD BE CAPPED ABOVE CEILING. FINAL INSTALLATION SHOULD APPEAR AS ONE CONTINUOUS AIR TERMINAL.
4	EXHAUST GRILLE MOUNTED LOW. INSTALL SO THAT BOTTOM OF GRILLE IS AT 6" AFF.

ALPHA BLDG SET 08-19-2025



PLAN NORTH

A3 / M-102 HVAC PLAN - ADOPTION
1/8" = 1'-0"
0 5 10 25 FT



2 / M-102 ISOMETRIC - ADOPTION

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Georgia COA: CROFT
Authorization No.: PEF001438
Expires: 06/02/2026

03/07/2025

OWNER

HABERSHAM COUNTY ANIMAL CONTROL
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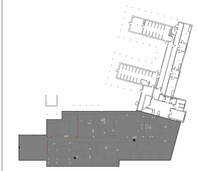
CLARKSVILLE, GA
30523

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CORNELIA, GA
30531



KEY PLAN

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-07-08	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

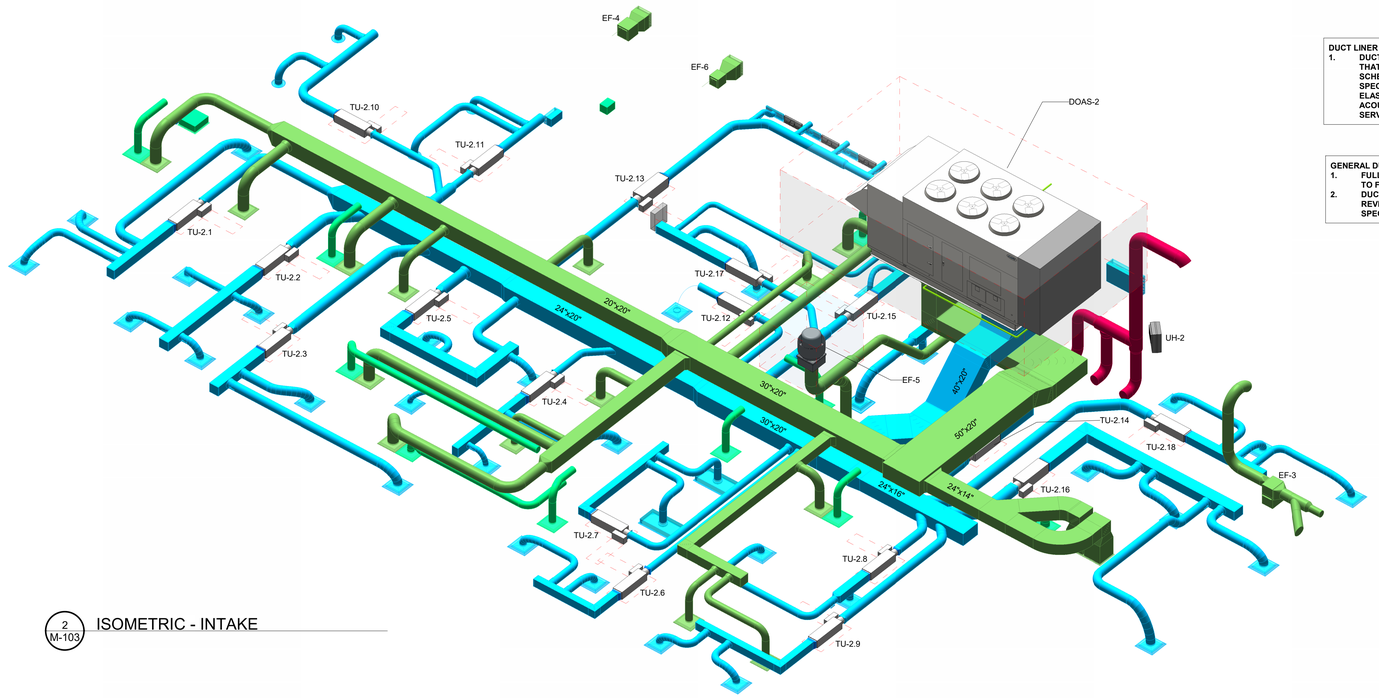
DRAWN: JEB
CHECKED: MDJ

SHEET TITLE
HVAC PLAN ADOPTION

SHEET NO.
M-102

THIS SHEET PLOTS ON 42" X 30"

3" 2" 1" 1/2" 0



2 M-103 ISOMETRIC - INTAKE

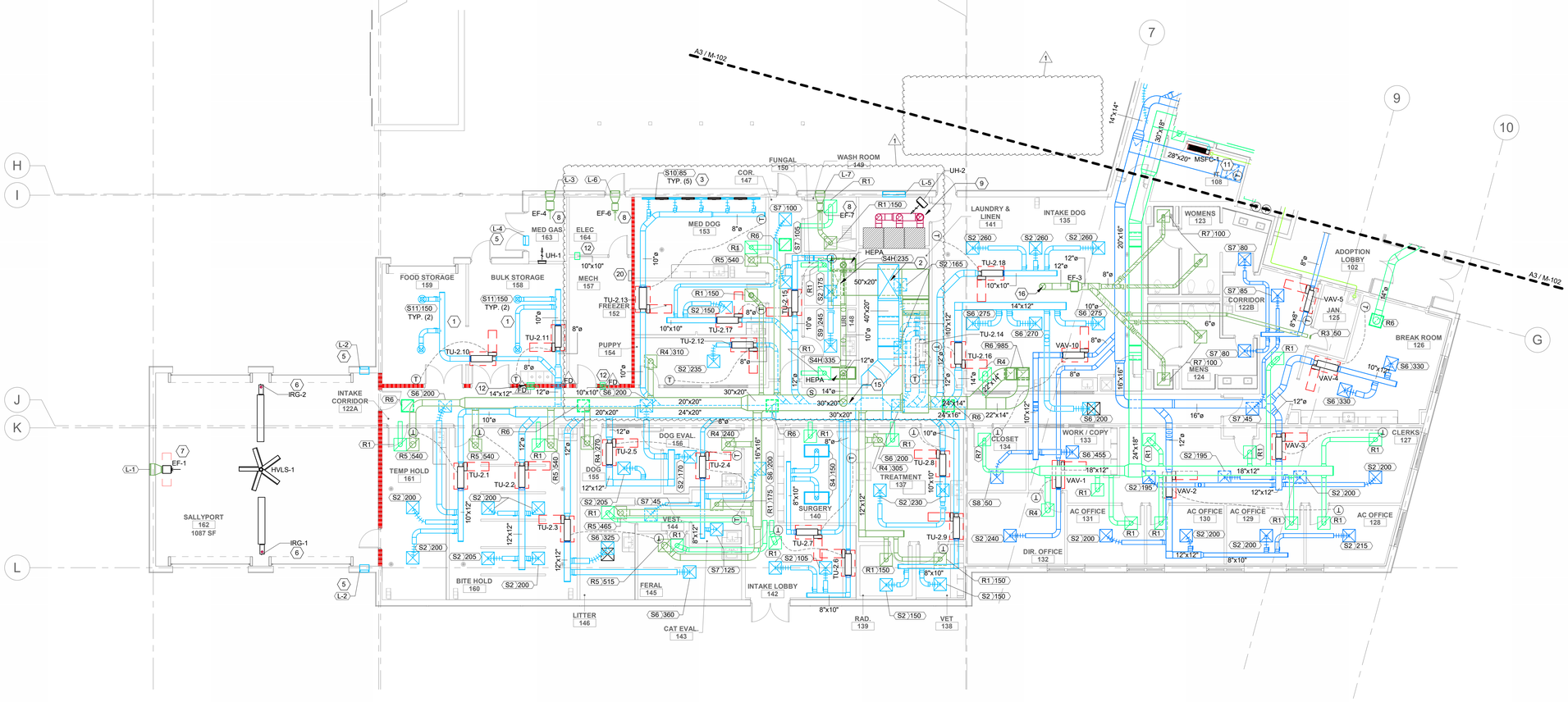
DUCT LINER NOTE:
1. DUCTS SERVING ANIMAL AREA (SUPPLY AND EXHAUST) THAT SHOW DUCT LINER ON THE DRAWINGS OR ARE SCHEDULED TO RECEIVE DUCT LINER IN THE WRITTEN SPECIFICATIONS SHALL USE CLOSED-CELL ANTIBACTERIAL ELASTOMERIC FOAM RUBBER LINER. GLASS FIBER ACOUSTICAL DUCT LINER MAY NOT BE USED IN DUCTS SERVING THESE AREAS.

GENERAL DUCTWORK COORDINATION NOTE:
1. FULLY COORDINATE DUCTWORK WITH STRUCTURE PRIOR TO FABRICATING OR INSTALLING DUCTWORK.
2. DUCTWORK SHOP DRAWINGS MUST BE SUBMITTED AND REVIEWED PRIOR TO BEGINNING WORK. SEE SPECIFICATIONS SECTIONS 233100.

SHEET NOTES: M-103
SEE MASTER KEY ON M-001 FOR COMPLETE SHEET NOTE LIST

TAG #	TAG DESCRIPTION
1	EXPOSED DUCT IN THIS AREA SHOULD BE PAINTED. COORDINATE WITH ARCHITECT.
2	SUPPLY & RETURN / EXHAUST FROM UNIT ON ROOF. SEE SHEET M-104 FOR CONTINUATION.
3	LINEAR SUPPLY GRILLES INSTALLED ALONG WALL. SEE ARCHITECTURAL RCP FOR TRACK LENGHT AND DETAILS. SUPPLY GRILLES ARE ACTIVE AS SHOWN. NON CONNECTED AIR TERMINALS ARE INACTIVE AND SHOULD BE CAPPED ABOVE CEILING. FINAL INSTALLATION SHOULD APPEAR AS ONE CONTINUOUS AIR TERMINAL.
5	SIDEWALL INTAKE LOUVER MOUNTED AT 3'-6" ABOVE FINISHED FLOOR.
6	INFRARED HEATER MOUNTED MIN. 12'-0" ABOVE FINISHED FLOOR. CONNECT AND ROUTE 4" VENT TO ROOF, TERMINATE WITH MANUFACTURERS ROOF CAP.
7	EXHAUST FAN MOUNTED AT 14'-6". REFER TO ARCHITECTURAL SHEETS A-201 AND A-202 FOR LOUVER LOCATIONS. MOUNT FAN DIRECTLY BEHIND LOUVER.
8	EXHAUST FAN MOUNTED AS HIGH AS POSSIBLE IN SPACE. LOUVER MOUNTED AT SAME HEIGHT AS FAN.
9	UL-LISTED AND LABELED DRYER VENT SYSTEM. EACH DRYER TO HAVE A SINGLE 12" DIAMETER DUCT. THREE DRYERS SHALL COMBINE TO A 14" DIAMETER HEADER AND TERMINATE TO THE EXTERIOR AT THE ROOF. EXTERIOR TERMINATION TO BE FACTORY-PROVIDED. INSTALL A 120V BOOSTER FAN INLINE TO THE VENT SYSTEM. BOOSTER FAN BASIS OF DESIGN: LF SYSTEMS DEF02S. SEE WRITTEN SPECIFICATIONS SECTION 23 3501 DRYER VENT EXHAUST COLLECTION SYSTEMS FOR ADDITIONAL DETAILS.
11	MINI-SPLIT FAN-COIL UNIT MOUNTED ABOVE DOOR. ROUTE CONDENSATE TO NEAREST JANITORS SINK.
12	AIR TRANSFER OPENING ABOVE CEILING. INSTALL WITH FIRE DAMPER WHERE SHOWN.
16	EXHAUST DUCT UP TO ROOF FROM INLINE EXHAUST FAN. SEE SHEET M-104 FOR CONTINUATION.
20	BUILDING AUTOMATION PANEL. COORDINATE FINAL LOCATION WITH OTHER TRADES.

ALPHA BLDG SET 08-19-2025



PLAN NORTH

A3 M-103 HVAC PLAN - INTAKE
1/8" = 1'-0"

0 5 10 25 FT

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Georgia COA: CROFT
Authorization No.: PEP001438
Expires: 06/02/2026

03/07/2025

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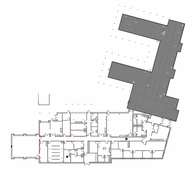
CLARKSVILLE, GA
30523

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CORNELIA, GA
30531



KEY PLAN

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-07-08	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

DRAWN: JEB
CHECKED: MDJ

SHEET TITLE
HVAC PLAN INTAKE

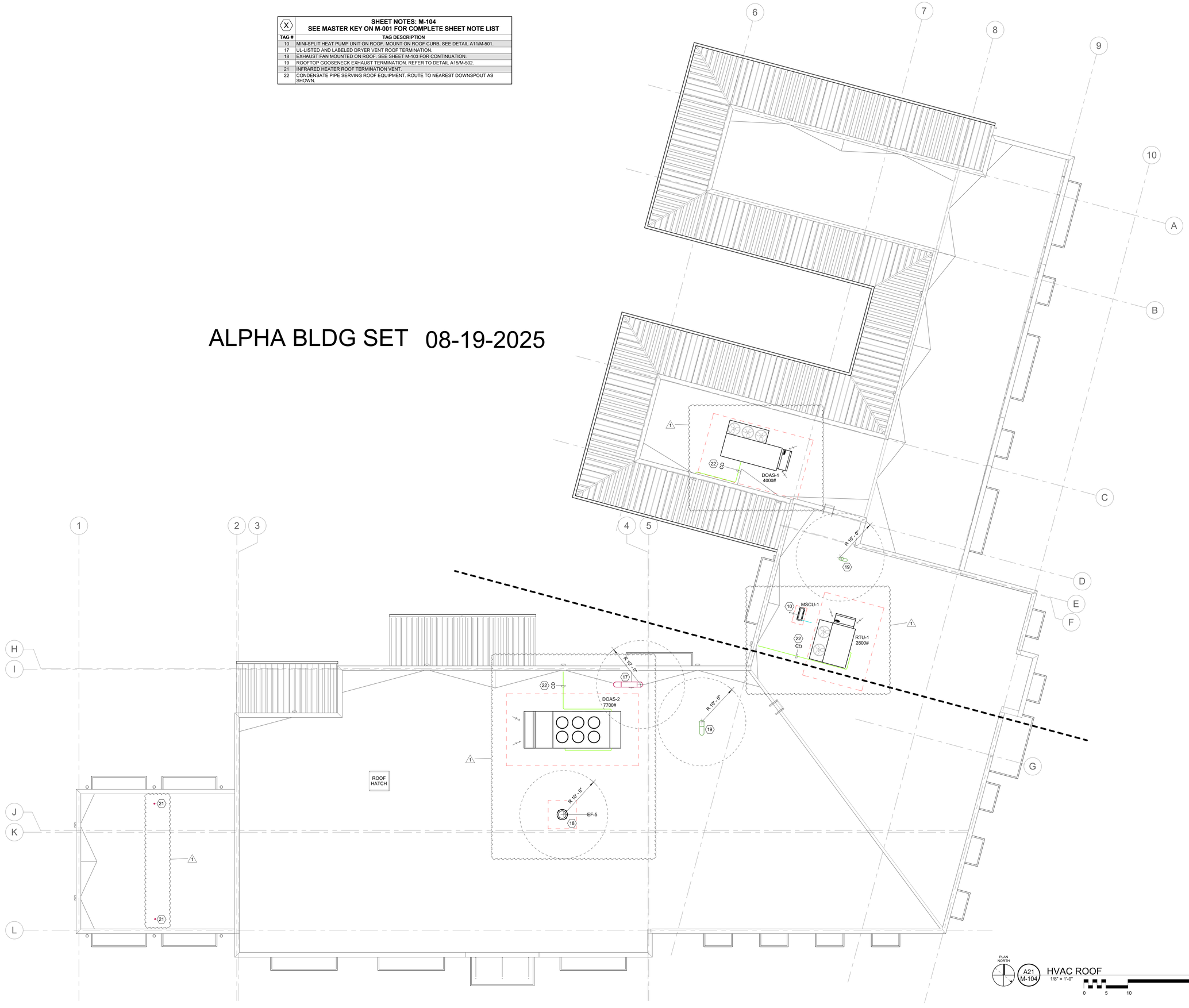
SHEET NO.
M-103

THIS SHEET PLOTS ON 42" X 30"

3" 2" 1" 1/2" 0

SHEET NOTES: M-104 SEE MASTER KEY ON M-001 FOR COMPLETE SHEET NOTE LIST	
TAG #	TAG DESCRIPTION
10	MINI-SPLIT HEAT PUMP UNIT ON ROOF. MOUNT ON ROOF CURB, SEE DETAIL A11/M-501.
17	UL-LISTED AND LABELED DRYER VENT ROOF TERMINATION.
18	EXHAUST FAN MOUNTED ON ROOF. SEE SHEET M-103 FOR CONTINUATION.
19	ROOFTOP GOOSENECK EXHAUST TERMINATION. REFER TO DETAIL A15/M-502.
21	INFRARED HEATER ROOF TERMINATION VENT.
22	CONDENSATE PIPE SERVING ROOF EQUIPMENT. ROUTE TO NEAREST DOWNSPOUT AS SHOWN.

ALPHA BLDG SET 08-19-2025



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Georgia COA: CROFT
Authorization No.: PEP001438
Expires: 06/02/2026

03/07/2025

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HABERSHAM COUNTY ANIMAL SHELTER

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30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-07-08	PERMIT SET
ISSUANCE		

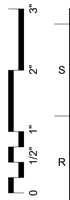
PROJECT NUMBER
2022-313

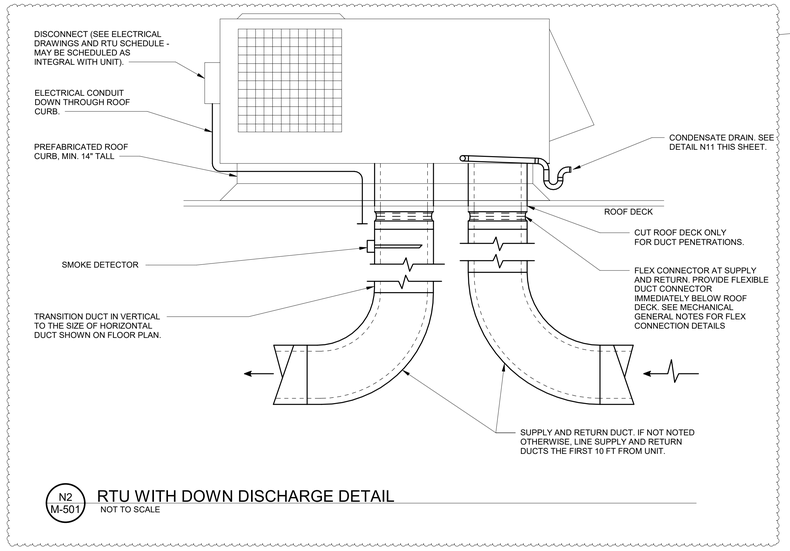
DRAWN: JEB
CHECKED: MDJ

SHEET TITLE
HVAC ROOF PLAN

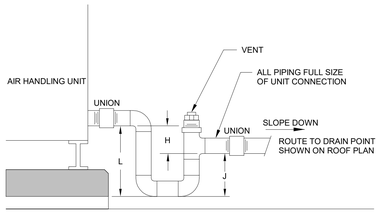
SHEET NO.
M-104

THIS SHEET PLOTS ON 42" X 30"



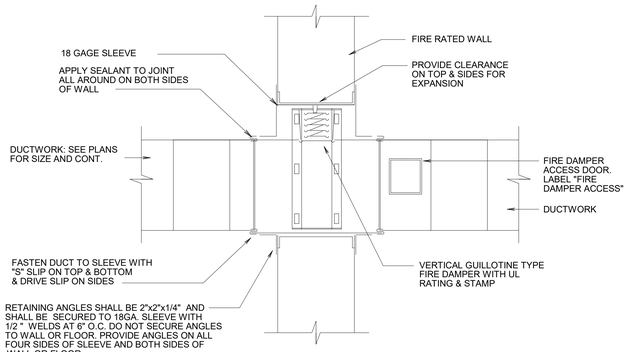


N2 / M-501 RTU WITH DOWN DISCHARGE DETAIL
NOT TO SCALE

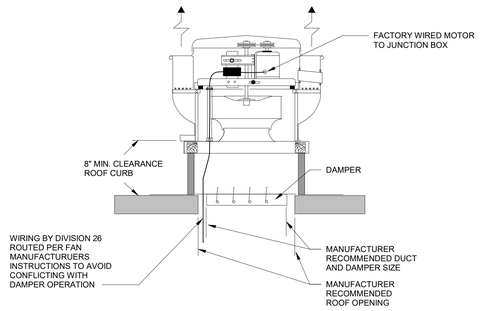


DRAW THRU UNIT: L = H + J
H= 1 INCH FOR EACH INCH OF NEGATIVE PRESSURE PLUS 1 INCH
J=1/2 OF H

P11 / M-501 CONDENSATE DRAIN CONNECTION
NOT TO SCALE

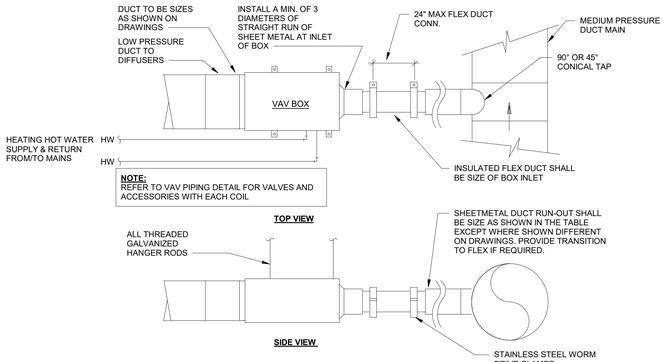


N17 / M-501 DUCT PENETRATION THROUGH FIREWALL DETAIL
NOT TO SCALE

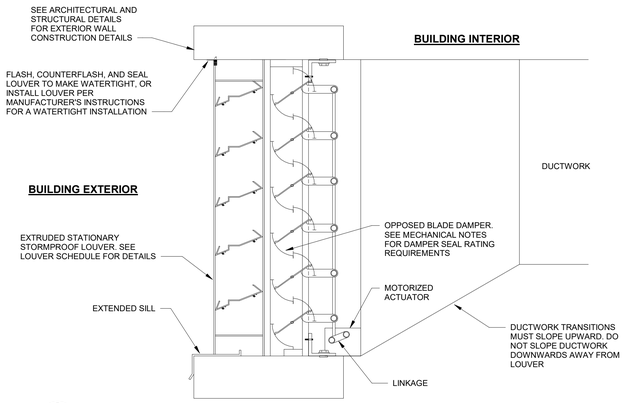


K11 / M-501 ROOF MOUNTED UPBLAST FAN DETAIL
NOT TO SCALE

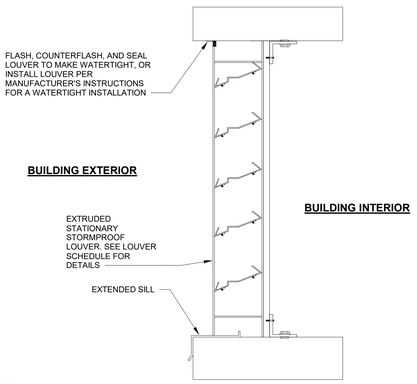
ALPHA BLDG SET 08-19-2025



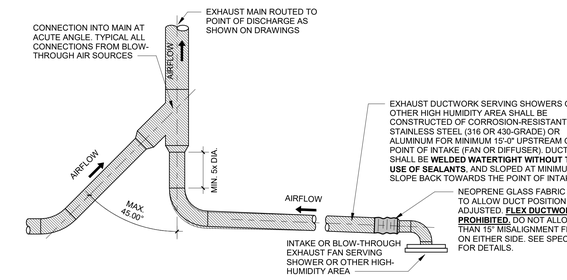
I2 / M-501 TERMINAL BOX DETAIL
NOT TO SCALE



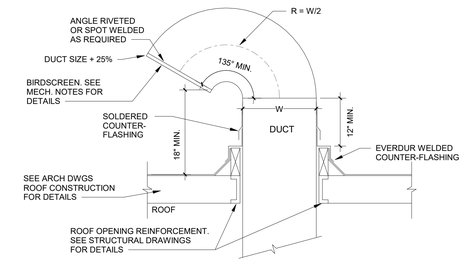
D2 / M-501 AIR LOUVER W/ MOTORIZED DAMPER DETAIL
NOT TO SCALE

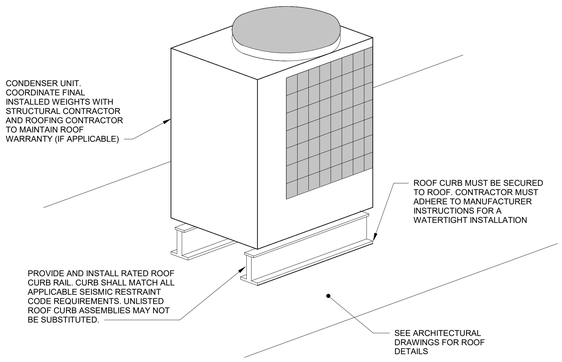


E11 / M-501 AIR LOUVER DETAIL
NOT TO SCALE



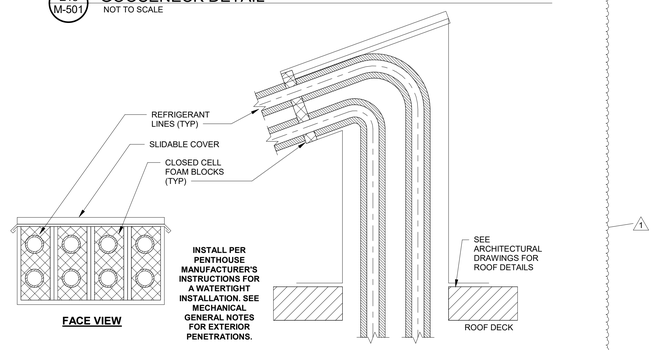
I17 / M-501 HIGH-HUMIDITY EXHAUST DETAIL
NOT TO SCALE





A11 / M-501 ROOFTOP CONDENSER UNIT INSTALLATION DETAIL
NOT TO SCALE

E18 / M-501 GOOSENECK DETAIL
NOT TO SCALE



A17 / M-501 LINESET/PIPING/ELECTRICAL ROOF PENETRATION DETAIL
NOT TO SCALE

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Georgia COA: CROFT
Authorization No.: PEPF001438
Expires: 06/02/2026

03/07/2025

OWNER

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CORNELIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-07-08	PERMIT SET
		ISSUANCE

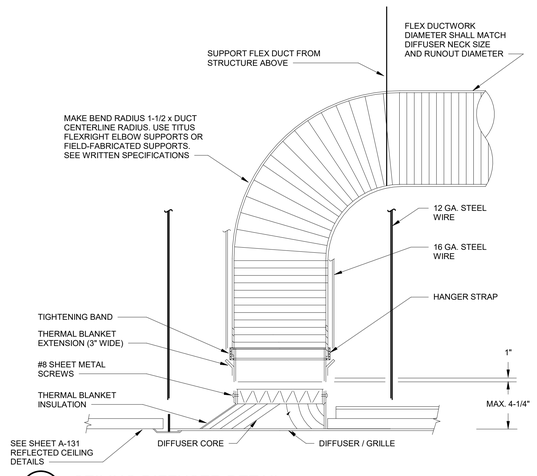
PROJECT NUMBER
2022-313

DRAWN: JEB
CHECKED: MDJ

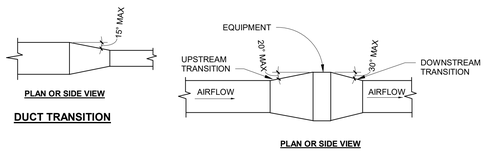
SHEET TITLE
HVAC DETAILS

SHEET NO.
M-501

THIS SHEET PLOTS ON 42" X 30"

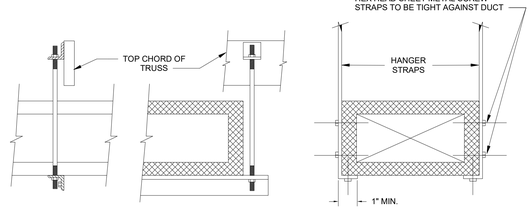


N1 M-502 CEILING DIFFUSER DETAIL
NOT TO SCALE



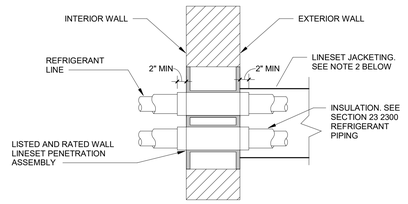
NOTE: UNLESS OTHERWISE NOTED ON PLANS, MAXIMUM ANGLES SHOWN SHALL APPLY

O8 M-502 DUCT TRANSITION DETAIL
NOT TO SCALE



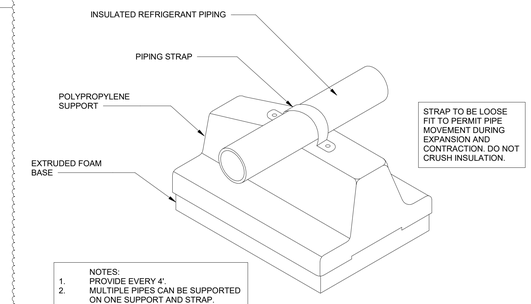
NO POP RIVETS ALLOWED

P15 M-502 DUCT STRAP HANGER DETAIL
NOT TO SCALE



NOTES:
1. WALL SLEEVE SHALL BE SIZED TO ACCOMODATE LIQUID AND SUCTION LINES AS WELL AS CONTROL WIRING AND PIPE INSULATION. PROVIDE ONE SLEEVE FOR EACH HVAC SYSTEM.
2. FURNISH AND INSTALL UV-RESISTANT EXTERIOR LINESET JACKETING.
3. SEE WRITTEN SPECIFICATIONS FOR ADDITIONAL INSTRUCTIONS

K14 M-502 PIPE THROUGH WALL DETAIL
NOT TO SCALE



NOTES:
1. PROVIDE EVERY 4'.
2. MULTIPLE PIPES CAN BE SUPPORTED ON ONE SUPPORT AND STRAP.

K20 M-502 PIPING SUPPORT DETAIL
NOT TO SCALE

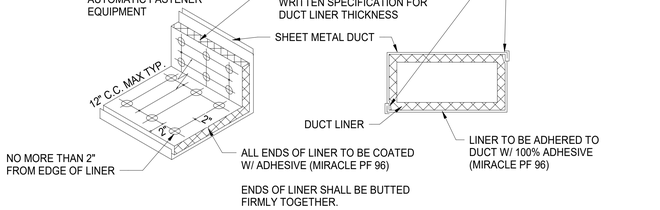
METAL FASTENERS:

OMARK INSUL-PINS, DURO DYNE FASTENERS, OR GRIP NAILS.

GRIP NAILS SHALL BE INSTALLED BY "GRIP NAIL HAMMER" OR BY AUTOMATIC FASTENER EQUIPMENT

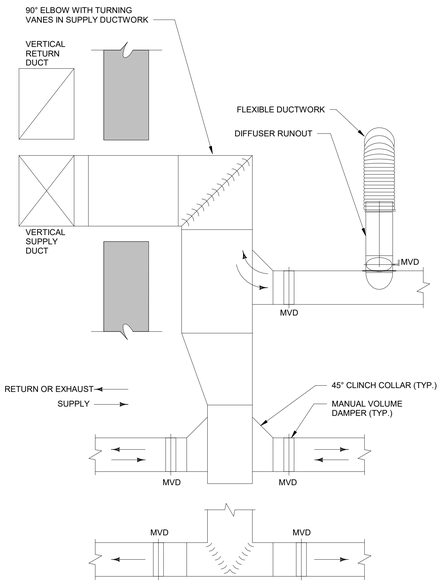
LINER MATERIAL:

SEE WRITTEN SPECIFICATIONS, SECTION 230713 DUCT INSULATION

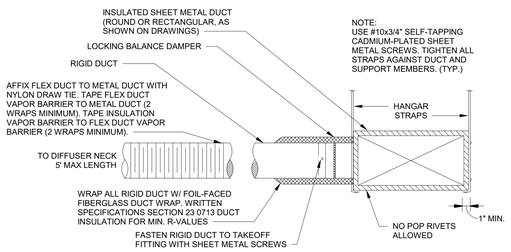


ENDS OF LINER SHALL BE BUTTED FIRMLY TOGETHER.

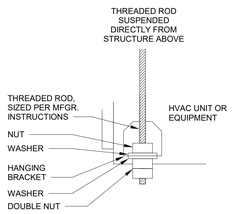
I1 M-502 DUCT LINER DETAIL
NOT TO SCALE



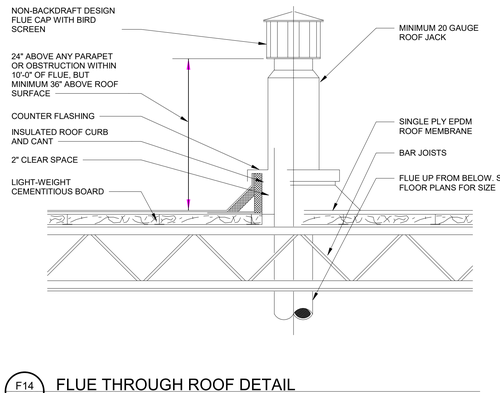
I9 M-502 INTERIOR DUCTWORK DETAIL
NOT TO SCALE



E1 M-502 FLEX DUCT CONNECTION DETAIL
NOT TO SCALE

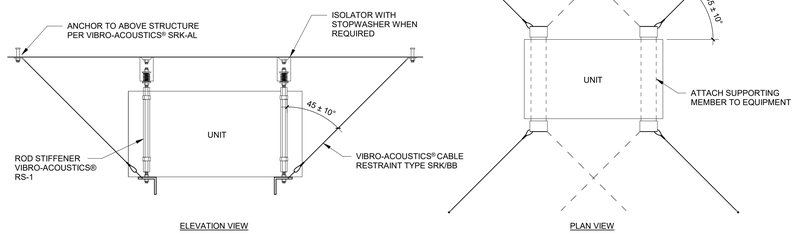


E9 M-502 TYPICAL HANGING ROD INSTALLATION
NOT TO SCALE

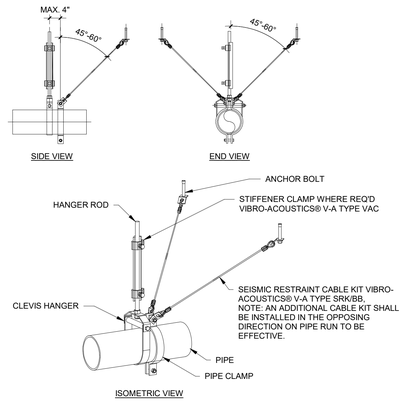


F14 M-502 FLUE THROUGH ROOF DETAIL
NOT TO SCALE

NOTES:
1. ALL PRODUCT SIZES AND CAPACITIES TO BE DETERMINED AFTER EQUIPMENT IS APPROVED AND CALCULATIONS HAVE BEEN PERFORMED.
2. REFERENCE VIBRO-ACOUSTICS® PRODUCT DATA SHEETS FOR ADDITIONAL INFORMATION.



A12 M-502 MECHANICAL EQUIPMENT SEISMIC BRACING DETAIL
NOT TO SCALE



A20 M-502 COMBINATION CABLE SEISMIC PIPE RESTRAINT DETAIL
NOT TO SCALE

ALPHA

BLDG SET

08-19-2025

CROFT

Croft & Associates
3380 Blue Springs Road
Kennesaw, Georgia 30144
770.529.7714 (p)
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GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE047197 ANTHONY T. GARGIULO

Georgia COA: CROFT
Authorization No.: PEP001438
Expires: 06/02/2026

03/07/2025

OWNER

HABERSHAM COUNTY ANIMAL CONTROL
130 JACOBS WAY, SUITE 302
CLARKSVILLE, GA
30523

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CORNELIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-07-08	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

DRAWN: JEB
CHECKED: MDJ

SHEET TITLE
HVAC DETAILS

SHEET NO.
M-502

3/7/2025 4:41:42 PM
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PACKAGED UNIT SCHEDULE

GENERAL							FANS AND AIRFLOW									COOLING COIL									HEATING							HOT GAS REHEAT			
							SUPPLY					EXHAUST																							
MARK	DESCRIPTION	MFR	MODEL	EER	PRIMARY FILTER	WEIGHT (LBS)	ESP (in. w.g.)	MOTOR TYPE	FAN (HP)	AIRFLOW (CFM)	OSA FLOW (CFM)	ESP (in. w.g.)	MOTOR TYPE	FAN (HP)	AIRFLOW (CFM)	EDB (°F)	EWB (°F)	LDB (°F)	LWB (°F)	TOTAL CAP. (MBH)	SENS. CAP. (MBH)	RATED AMBIENT DB (°F)	COMP. STAGES	QTY.	REF. TYPE	INPUT (MBH)	OUTPUT (MBH)	EFF.	EAT D.B. (°F)	LAT D.B. (°F)	TYPE	STAGES	TOTAL RH CAP. (MBH)	LAT D.B. (°F)	LAT W.B. (°F)	NOTES
DOAS-1	PACKAGED 100% OUTSIDE AIR UNIT	AAON	RNA-030-C-A-8-GAB0C-CB1L0	10.6	4" MERV 13	4,000	2.0	DIRECT	10.0	7,000	7,000	2.0	DIRECT	10.0	6,300	81.5	68.3	52.7	52.5	329.1	215.2	95.0	DIGITAL SCROLL	2	R-454B	270	218	81%	51.9	80.6	NG	9:1	166.1	75.0	61.1	1-11
DOAS-2	PACKAGED 100% OUTSIDE AIR UNIT	AAON	RNA-040-D-A-8-GAA0B-CB2L0	10.0	4" MERV 13	7,700	2.0	DIRECT	15.0	8,600	8,600	2.0	DIRECT	7.5	6,700	82.4	67.8	48.7	48.3	489.3	316.1	95.0	DIGITAL SCROLL	4	R-454B	600	480	80%	49.5	100.8	NG	10:1	247.0	75.0	58.9	1-11
RTU-1	PACKAGED UNIT	AAON	RNA-016-C-A-8-GAAOC-CB1L0	11.5	2" MERV 13	2,800	2.25	DIRECT	5.0	5,000	1,000	-	-	-	-	79	64.1	52.1	51.6	186.4	142.5	95.0	DIGITAL SCROLL	2	R-454B	270	218	81%	59.6	99.6	NG	9:1	97.0	73.8	60.3	2-11

NOTES:
1) 100% OUTDOOR AIR UNIT. OUTDOOR AIR CONNECTED DOWSTREAM OF AIR-TO-AIR HEAT EXHANGER.
2) FURNISH AND INSTALL FACTORY-INSULATED ROOF CURB ASSEMBLY.
3) SMOKE DETECTOR IN SUPPLY DUCT.
4) INCLUDE FACTORY-PROVIDED HIGH-IMPACT HAIL GUARD KIT.
5) INCLUDE FACTORY INSTALLED POWERED 120V SERVICE RECEPTACLE.
6) VARIABLE SPEED INVERTER-DRIVEN COMPRESSOR.
7) DIRECT DRIVE PLENUM FANS WITH VARIABLE SPEED DRIVE (VFD) BLOWERS.
8) BACNET INTERFACE WITH BUILDING AUTOMATION SYSTEM.
9) UNIT CAPACITIES SCHEDULED ARE INTENDED TO COMMUNICATE MINIMUM PERFORMANCE METRICS ONLY. SEE WRITTEN SPECS FOR CONTROLS AND SENSORS.
10) UNIT WEIGHT DOES NOT INCLUDE CURB WEIGHT.
11) PROVIDE UNIT WITH DUAL-CIRCUITS. REFER TO MECHANICAL...

SEE WRITTEN SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR UNIT CONFIGURATION, OPERATION, AND CONSTRUCTION REQUIREMENTS.

ENERGY RECOVERY

GENERAL		SUMMER								WINTER						
		*95.1°F DB / 75°F WB								*18.0°F DB / 15°F WB						
MARK	XFLOW SPD (inH2O)	TOTAL EFFECTIVENESS (%)	CAPACITY (BTU)	OSA DB (°F)	OSA WB (°F)	RA DB (°F)	RA WB (°F)	LAT. DB (°F)	LAT. WB (°F)	TOTAL EFFECTIVENESS (%)	CAPACITY (BTU)	OSA DB (°F)	OSA WB (°F)	RA DB (°F)	RA WB (°F)	LAT. DB (°F)	LAT. WB (°F)
DOAS-1	0.95	59.6	174,500	95.0	75.0	75.0	62.0	81.5	68.3	64.6	353,500	18.0	15.0	70.0	58.0	51.9	42.7
DOAS-2	0.59	73.1	224,600	95.0	75.0	75.0	62.0	82.4	67.8	75.2	432,100	18.0	15.0	70.0	58.0	49.5	43.0

DIFFUSER AND AIR TERMINAL SCHEDULE

A) Diffusers shall have factory finish. Coordinate finish with architect. Coordinate air terminal and diffuser locations with architectural ceiling plans and electrical lighting plan.
B) All diffusers shall be balanced by a control damper dedicated to each individual diffuser, regardless of presence on drawings. Unless otherwise indicated, locate balance damper at branch takeoff.
C) Duct runouts to air terminals and diffusers shall be the same nominal size as the diffuser neck, unless otherwise noted.
D) Noise Criterion (N.C.) of any diffuser shall not exceed NC=32 at the airflows indicated. NC ratings shall be AMCA-Certified.
E) Static pressure drop through any air terminal or diffuser shall not be greater than scheduled at the airflow indicated on the floorplans.
F) Coordinate mounting bracket type with assembly in which diffuser is to be installed. See Architectural drawings for details. Provide plaster-mount or tape-and-spackle-mount brackets in all hard or continuous assemblies unless otherwise noted.
G) Include factory-installed molded diffuser-top insulation blanket (minimum R-6 insulation value), or factory-provided insulated supply plenum with round or oval connection as indicated.

Type Mark	Description	Type Comments	Size	Manufacturer	Model	Max Flow
R1	Perforated Square Ceiling Diffuser	24x24 Lay-In Module	8"ø	Titus	PAR-08-24x24-3-26	450 CFM
R2	Perforated Square Ceiling Diffuser	12x12 Lay-In Module	6"ø	Titus	PAR-06-12x12-3-26	275 CFM
R3	Grille: Double Deflection Blades	Surface-Mounted Rectangular Return Grille	6"x6"	Titus	300FL	152 CFM
R4	Perforated Square Ceiling Diffuser	24x24 Lay-In Module	10"ø	Titus	PAR-10-24x24-3-26	650 CFM
R5	Perforated Square Ceiling Diffuser	24x24 Lay-In Module	12"ø	Titus	PAR-12-24x24-3-26	780 CFM
R6	Aluminum Border • ½ x ½ x ½ • Sight-Proof Blades	24x24 Lay-In Module	22"x22"	Titus	45F	1176 CFM
R7	Perforated Square Ceiling Diffuser	24x24 Lay-In Module	6"ø	Titus	PAR-06-24x24-3-26	275 CFM
R8	Return Grille with 35 Degree Deflection	Surface-Mounted Return Grille with 35 Degree Deflection	20"x20"	Titus	350FL	0 CFM
S1	Adjustable High Performance 3-Cone Diffuser	24x24 Lay-In Module	8"ø	Titus	TMSA	279 CFM
S2	Architectural Square Plaque Diffuser	24x24 Lay-In Module	8"ø	Titus	OMNI-08-3-24x24-26	314 CFM
S3	Architectural Square Plaque Diffuser	12x12 Lay-In Module	6"ø	Titus	OMNI-06-3-12x12-26	350 CFM
S4	Laminar flow diffuser	48X24 Module	8"ø	Titus Inc.	TLF	180 CFM
S4H	Laminar flow diffuser	48x24 Module w/ Integral HEPA filter rack	12"ø	Titus Inc.	TLF	340 CFM
S5	Grille: Double Deflection Blades	Surface-Mounted Rectangular Supply Grille	6"x6"	Titus	300FL	152 CFM
S6	Architectural Square Plaque Diffuser	24x24 Lay-In Module	10"ø	Titus	OMNI-10-3-24x24-26	436 CFM
S7	Architectural Square Plaque Diffuser	24x24 Lay-In Module	6"ø	Titus	OMNI-06-3-24x24-26	196 CFM
S8	Adjustable High Performance 3-Cone Diffuser	24x24 Lay-In Module	6"ø	Titus	TMSA	196 CFM
S9	Adjustable High Performance 3-Cone Diffuser	24x24 Lay-In Module	10"ø	Titus	TMSA	436 CFM
S10	Aluminum Modulinear Slot Return Diffuser	2' slot diffffuser, 1" slot	6"/5"	Titus	ML-39	85 CFM
S11	Round Ceiling Diffuser	3-cone adjustable round diffuser	8"ø	Titus	TMR-08-26	490 CFM

MINI-SPLIT DX SYSTEMS

GENERAL			CONDENSER								FAN COIL							
			UNIT SPECS					CAPACITY			UNIT SPECS					AIRFLOW		
NOM. TONS	MFR	TYPE	MARK	MODEL	WGT. (LBS)	SEER	EER	LINESET LN. (FT.)	TOTAL COOL (BTUH)	TOTAL HEAT (BTUH)	FCU MARK	AHU MODEL	FCU TYPE	FCU WGT. (LBS)	DRIVE	MAX (CFM)	MAX. SPD (inH2O)	NOTES
2	LG	COOLING UNIT	MSCU-1	LSU243HLV3	140	21.5	13	85	30,000	36,200	MSFC-1	LSN243HLV3	WALL-HUNG	50	ECM	800	N/A	1-5

NOTES:
1) FURNISH AND INSTALL LINESET COVERS FOR ALL EXTERIOR REFRIGERANT LINESETS, SEE SECTION 23 2200 FOR DETAILS. EXPOSED LINESETS SHALL BE INSTALLED IN A CLEAN AND WORKMAN-LIKE MANNER.
2) EACH FAN COIL SHALL BE POWERED BY A FEEDER FROM ITS ASSOCIATED OUTDOOR HEAT PUMP OR CONDENSER UNIT.
3) EACH CONDENSER UNIT SHALL BE EQUIPPED WITH CONDENSER COIL HAIL GUARDS AND LOW-AMBIENT KIT.
4) PROVIDE PROGRAMMABLE THERMOSTAT WITH LOCKOUT CODE CAPABILITY.
5) INCLUDE FACTORY-PROVIDED CONDENSATE PUMP.

INFRARED HEATER SCHEDULE

MARK	DESCRIPTION	MFR	LOCATION	MODEL	FUEL	GAS PRESSURE (IN.WC.)	GAS CONNECTION (IN)	HEAT INPUT (MBH)	POWER (KW)	RADIANT TUBE DIA. (IN)	REFLECTOR TYPE	NOTES
IRG-1	GAS-FIRED INFRARED RADIANT TUBE HEATER, "U" CONFIGURATION	SPACE-RAY	SALLY PORT	CB50-15N5	NG	3.5	0.5	50	-	4	STANDARD	1-5
IRG-2	GAS-FIRED INFRARED RADIANT TUBE HEATER, "U" CONFIGURATION	SPACE-RAY	SALLY PORT	CB50-15N5	NG	3.5	0.5	50	-	4	STANDARD	1-5

NOTES:
1) MAINTAIN CLEARANCE TO COMBUSTIBE MATERIALS
2) HEATER TO BE MOUNTED AS HIGH AS POSSIBLE
3) FACTORY PROVIDED CHAIN KIT WITH S-HOOKS, 4" VENT CAP, MANUAL CUT-OFF VALVE, FACTORY THERMOSTAT
4) INSTALL WITH SEISMIC RESTRAINTS. REFER TO SPECIFICATIONS SECTION 230548.
5) INCLUDE FACTORY PROVIDED VENT AND VENT TERMINATION KIT.

ELECTRIC CONVECTION UNIT HEATER SCHEDULE

MARK	DESCRIPTION	SERVICE	MFR	MODEL	kW	MOUNT TYPE	MOUNT HEIGHT (FT)	WEIGHT (LBS)	NOTES
UH-1	COMMERCIAL-DUTY UNIT HEATER	MED GAS	REZNOR	EHA	5.00	SURFACE	1'-0"	40	1
UH-2	COMMERCIAL-DUTY UNIT HEATER	LAUNDRY	REZNOR	EGEB	15.00	SURFACE	7'-6"	28	1

NOTES:
1) FURNISH AND INSTALL FACTORY MOUNTING KIT FOR THE INSTALLATION TYPE INDICATED FOR EACH UNIT HEATER.

HIGH VOLUME - LOW SPEED FAN (HVLS)

MARK	MFR	MODEL	TYPE	DRIVE	IMPELLER DIAMETER (IN)	SERVICE	MAX AFFECTED AREA (SF)	MAX SPEED (RPM)	AIRFLOW (CFM)	MOTOR SIZE	WEIGHT (LBS)	NOTES
BF-1	GREENHECK	DC-5-7	AIRFOIL	DIRECT	84	SALLY PORT	3,200	134	5,300	50 W	40	1-2

NOTES:
1) INCLUDE FACTORY-PROVIDED SEISMIC-RATED I-BEAM MOUNTING KIT. REFER TO SPECIFICATIONS SECTION 230548. FAN BLADES SHALL NOT BE INSTALLED LOWER THAN 12'-0" AFF.
2) COORDINATE POWDER COAT AND COLOR WITH OWNER AND ARCHITECT.

FAN SCHEDULE

MARK	MFGR	MODEL	TYPE	DRIVE	SERVICE	MAX AIRFLOW...	EXT. SPD (INH2O)	MOTOR SIZE (HP)	WEIGHT (LBS)	NOTES
EF-1	GREENHECK	SQ-95-VG	INLINE	DIRECT	SALLY PORT	820	0.25	1/4	50	1-2
EF-2	GREENHECK	SQ-70	INLINE	DIRECT	SMALL RESTROOMS	100	0.25	1/30	35	1-2
EF-3	GREENHECK	CSP-A510	INLINE	DIRECT	LARGE RESTROOMS	450	0.25	1/4	35	1-2
EF-4	GREENHECK	SQ-95-VG	INLINE	DIRECT	MED GAS	390	0.25	1/4	50	1-2
EF-5	GREENHECK	CUE-160XP-VG	ROOF UPBLAST	DIRECT	URI / FUNGAL	715	2.00	1.00	125	1-4
EF-6	GREENHECK	SQ-70	INLINE	DIRECT	ELEC / MECH	150	0.25	1/30	35	1-2
EF-7	GREENHECK	SQ-70	INLINE	DIRECT	WASH RM.	100	0.25	1/30	35	1-2

NOTES:
1) ALL FANS SHALL BE UL-LISTED, AND SOUND LEVELS AND PERFORMANCE RATINGS SHALL BE AMCA-CERTIFIED
2) WEIGHTS SHOWN ARE FOR FAN ONLY
3) INCLUDE INLINE HEPA FILTER.
4) INSTALL WITH SEISMICALLY-RATED ROOF CURB. REFER TO SPECIFICATIONS SECTION 230548.

TERMINAL UNIT SCHEDULE

	BASIS OF DESIGN						HEATING				
MARK	MFR	MODEL	INLET Ø (IN.)	MIN. INLET STATIC (IN.WG.)	AIRFLOW MAX. (CFM)	AIRFLOW MIN. (CFM)	(KW)	TYPE	EAT (°F)	LAT (°F)	NOTES
TU-1.1	ETI	SDR	8	0.5	530	-	4.5	ELEC	60	85	1-5
TU-1.2	ETI	SDR	10	0.5	950	-	7.5	ELEC	60	85	1-5
TU-1.3	ETI	SDR	8	0.5	730	-	7.0	ELEC	60	90	1-5
TU-1.4	ETI	SDR	8	0.5	670	-	5.5	ELEC	60	85	1-5
TU-1.5	ETI	SDR	8	0.5	560	-	5.5	ELEC	60	90	1-5
TU-1.6	ETI	SDR	8	0.5	480	-	4.0	ELEC	60	85	1-5
TU-1.7	ETI	SDR	8	0.5	560	-	5.5	ELEC	60	90	1-5
TU-1.8	ETI	SDR	8	0.5	560	-	4.5	ELEC	60	85	1-5
TU-1.9	ETI	SDR	12	0.5	1580	-	12.5	ELEC	60	85	1-5
TU-1.10	ETI	SDR	6	0.5	380	-	3.0	ELEC	60	85	1-5
TU-2.1	ETI	SDR	8	0.5	600	-	5.0	ELEC	60	85	1-5
TU-2.2	ETI	SDR	8	0.5	805	-	6.5	ELEC	60	85	1-5
TU-2.3	ETI	SDR	8	0.5	685	-	6.5	ELEC	60	90	1-5
TU-2.4	ETI	SDR	4	0.5	170	-	1.5	ELEC	60	90	1-5
TU-2.5	ETI	SDR	8	0.5	575	-	4.5	ELEC	60	85	1-5
TU-2.6	ETI	SDR	4	0.5	210	-	1.5	ELEC	60	85	1-5
TU-2.7	ETI	SDR	6	0.5	300	-	2.5	ELEC	60	85	1-5
TU-2.8	ETI	SDR	6	0.5	460	-	3.5	ELEC	60	85	1-5
TU-2.9	ETI	SDR	6	0.5	300	-	2.5	ELEC	60	85	1-5
TU-2.10	ETI	SDR	6	0.5	300	-	2.5	ELEC	60	85	1-5
TU-2.11	ETI	SDR	6	0.5	300	-	2.5	ELEC	60	85	1-5
TU-2.12	ETI	SDR	4	0.5	235	-	2.0	ELEC	60	85	1-5
TU-2.13	ETI	SDR	6	0.5	410	-	3.5	ELEC	60	85	1-5
TU-2.14	ETI	SDR	8	0.5	530	-	4.5	ELEC	60	85	1-5
TU-2.15	ETI	SDR	8	0.5	525	-	4.0	ELEC	60	85	1-5
TU-2.16	ETI	SDR	10	0.5	1020	-	8.0	ELEC	60	85	1-5
TU-2.17	ETI	SDR	4	0.5	245	-	2.0	ELEC	60	85	1-5
TU-2.18	ETI	SDR	8	0.5	780	-	6.5	ELEC	60	85	1-5
VAV-1	ETI	SDR	4	0.5	250	75	2.0	ELEC	60	85	1-5
VAV-2	ETI	SDR	8	0.5	820	246	6.5	ELEC	60	85	1-5
VAV-3	ETI	SDR	8	0.5	800	240	6.5	ELEC	60	85	1-5
VAV-4	ETI	SDR	8	0.5	600	180	5.0	ELEC	60	85	1-5
VAV-5	ETI	SDR	6	0.5	400	120	3.0	ELEC	60	85	1-5
VAV-6	ETI	SDR	8	0.5	600	180	5.0	ELEC	60	85	1-5
VAV-7	ETI	SDR	6	0.5	260	78	2.0	ELEC	60	85	1-5
VAV-8	ETI	SDR	6	0.5	400	120	3.0	ELEC	60	85	1-5
VAV-9	ETI	SDR	6	0.5	300	90	2.5	ELEC	60	85	1-5
VAV-10	ETI	SDR	8	0.5	600	180	5.0	ELEC	60	85	1-5

NOTES:
1) PROVIDE FACTORY MOUNTED CONTROLS.
2) PROVIDE CONTROL TRANSFORMER WITH UNIT.
3) PROVIDE FLOW SWITCH.
4) PROVIDE SCR HEAT CONTROL.
5) BACNET INTERFACE.

SEE WRITTEN SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR UNIT CONFIGURATION, OPERATION, AND CONSTRUCTION REQUIREMENTS.

EXTERIOR AIR LOUVER SCHEDULE

MARK	MFR	MODEL	TYPE	SERVICE	DESCRIPTION	LOUVER SIZE WXH (IN)	BIRD SCREEN	FREE AREA (SQ.FT.)	AIRFLOW (CFM)	FACE VELOCITY (FT./MIN)	NOTES
L-1	GREENHECK	ESD-635	DISCHARGE	EF-1	ALUMINUM LOUVER, DRAINABLE	24x24	5/8"x0.040" (16x1)	1.80	820	456	1-4
L-2	GREENHECK	ESD-635	INTAKE	EF-1	ALUMINUM LOUVER, DRAINABLE	18x18	5/8"x0.040" (16x1)	0.80	410	513	1-4
L-3	GREENHECK	ESD-635	DISCHARGE	EF-4	ALUMINUM LOUVER, DRAINABLE	18x18	5/8"x0.040" (16x1)	0.80	390	488	1-4
L-4	GREENHECK	ESD-635	INTAKE	EF-4	ALUMINUM LOUVER, DRAINABLE	18x18	5/8"x0.040" (16x1)	0.80	390	488	1-4
L-5	GREENHECK	ESD-635	INTAKE	DRYERS	ALUMINUM LOUVER, DRAINABLE	44x24	5/8"x0.040" (16x1)	3.50	1,800	514	1-3,5
L-6	GREENHECK	ESD-636	DISCHARGE	EF-6	ALUMINUM LOUVER, DRAINABLE	18x18	5/8"x0.040" (16x1)	0.80	150	188	1-4
L-7	GREENHECK	ESD-637	DISCHARGE	EF-7	ALUMINUM LOUVER, DRAINABLE	18x18	5/8"x0.040" (16x1)	0.80	100	125	1-4

NOTES:
1) FINISH TYPE 2-COAT 70% KYNAR 500 / HYLAR 5000 AAMA 2605. FINISH COLOR TO MATCH EXTERIOR.
2) AMCA WATER PENETRATION CLASS RATING SHALL BE IN ACCORDANCE WITH THE AMCA WATER PENETRATION TEST FOR THE CONDITIONS INDICATED. CONTRACTOR SHALL PROVIDE WATER PENETRATION TEST RATINGS DEMONSTRATING COMPLIANCE WITH ABOVE REQUIREMENTS ALONG WITH SUBMITTALS.
3) ALL BIRDSCREEN SHALL BE WHITE PVC-COATED GALVANIZED WIRE MESH.
4) INSTALL WITH 24V MOTORIZED CONTROL DAMPER. DAMPER SHALL BE FAIL-CLOSED TYPE (SPRING RETURN).
5) INSTALL WITH GRAVITY BACKDRAFT DAMPER.

REFER TO MECHANICAL CONNECTION SCHEDULE ON SHEET E-601 FOR EQUIPMENT ELECTRICAL CHARACTERISTICS AND REQUIREMENTS.

ALPHA BLDG SET 08-19-2025

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GEORGIA REGISTERED No. PE047197 PROFESSIONAL ENGINEER ANTHONY T. GARGIULO

Georgia COA: CROFT
Authorization No.: PEF001438
Expires: 06/02/2026

03/07/2025

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HABERSHAM COUNTY ANIMAL CONTROL
130 JACOBS WAY, SUITE 302
CLARKSVILLE, GA
30523

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CORNELIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-07-08	PERMIT SET
ISSUANCE		

PROJECT NUMBER
2022-313

DRAWN: JEB
CHECKED: MDJ

SHEET TITLE
HVAC SCHEDULES

SHEET NO.
M-601

THIS SHEET PLOTS ON 42" X 30"

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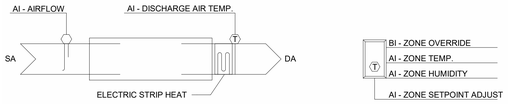
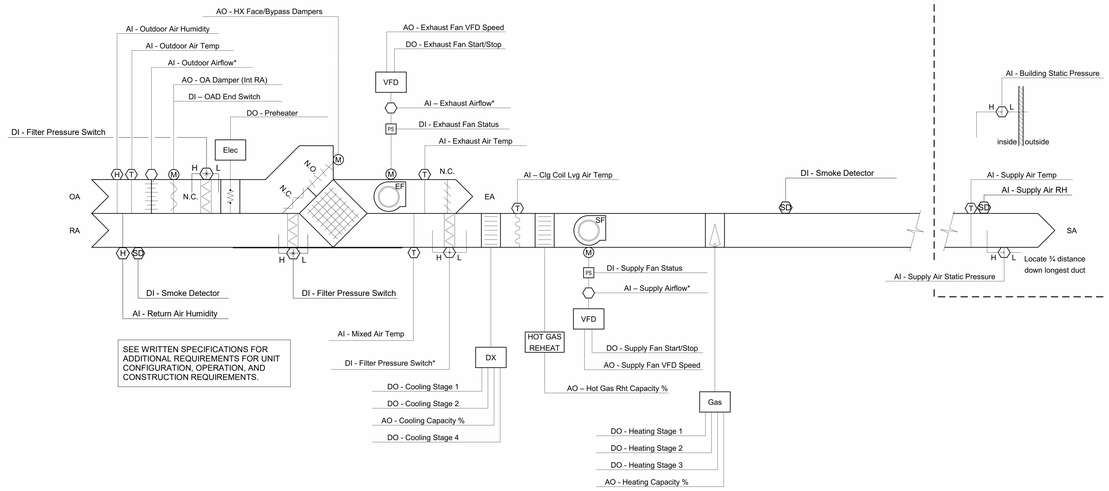
THIS SHEET PLOTS ON 42" X 30"



R1 M-701 VAV TERMINAL UNIT - ELECTRIC HEAT, CONSTANT AIRFLOW
NOT TO SCALE



H1 M-701 OUTSIDE AIR UNIT WITH ENERGY RECOVERY
NOT TO SCALE

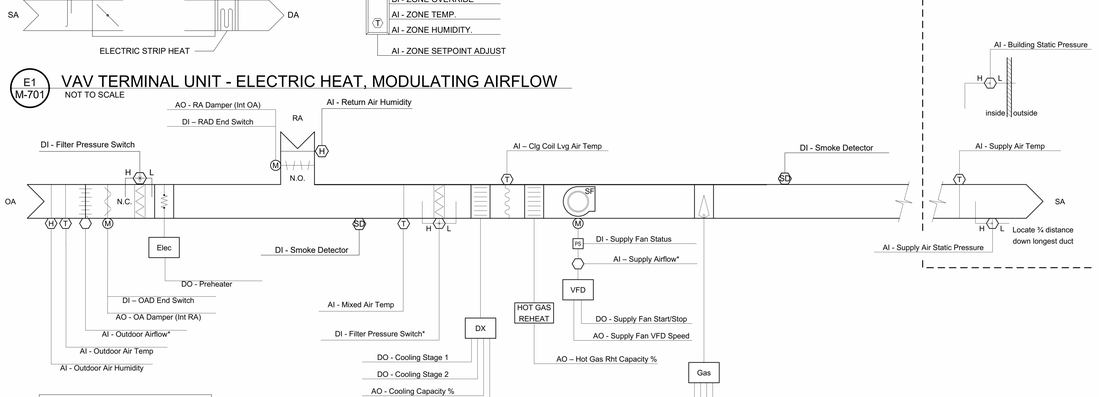
SEQUENCE OF OPERATION - SINGLE-DUCT CONSTANT VOLUME: DOAS-1 AND DOAS-2 / VAVs

1. THE CENTRAL PACKAGED DX AIR HANDLING UNIT SHALL BE ENABLED BY THE BAS TO RUN 24/7.
2. DURING THE OPERATION, THE FAN SHALL RUN CONTINUOUSLY, AND THE INTERNAL CONTROLS SHALL MODULATE THE COOLING OR HEATING AS REQUIRED.
3. FAN CONTROL:
   - A. THE CENTRAL UNIT SUPPLY FAN VFD SHALL BE UNDER THE CONTROL OF A DUCT MOUNTED STATIC PRESSURE SENSOR, LOCATED 2/3 OF THE WAY DOWN, OR AS RECOMMENDED BY THE TAB AGENT. THE SUPPLY FAN SPEED SHALL MODULATE TO MAINTAIN THE DUCT MOUNTED STATIC PRESSURE SET POINT, INITIALLY SET AT 2.0".
   - B. THE CENTRAL UNIT EXHAUST FAN VFD SHALL BE BALANCED TO PROVIDE THE INDICATED EXHAUST AIR FLOWS ON THE DRAWINGS, AND SHALL BE CONTROLLED TO MAINTAIN A SLIGHTLY POSITIVE BUILDING STATIC PRESSURE SETPOINT (SUMMER: +0.04" TO +0.1", WINTER: +0.00" TO 0.04"). EXHAUST FAN SHALL NOT MODULATE TO LESS THAN 95% OF BASELINE EXHAUST AIRFLOW SETPOINT.
   - C. MODULATION OF ALL FAN CONTROL SHALL BE CONTROLLED USING PROPORTIONAL-INTEGRAL-DERIVATIVE (PID) LOGIC TO PREVENT HUNTING, SHORT-CYCLING, OR SURGING.
4. COOLING MODE:
   - A. NORMAL MODE - COOLING AND DEHUMIDIFICATION: DURING THE OPERATION, AND A CALL FOR COOLING FROM ANY SPACE TEMPERATURE, THE CENTRAL UNIT SHALL MODULATE COMPRESSOR CAPACITY TO SUPPLY A MAXIMUM LEAVING-COIL AIR TEMPERATURE OF 54°F (ADJUSTABLE), AND SHALL MODULATE HOT GAS REHEAT TO SUPPLY A UNIT LEAVING SUPPLY AIR TEMPERATURE OF 60°F.
   - B. DEHUMIDIFICATION MODE: HUMIDITY SHALL BE MONITORED BY SPACE AND RETURN AIR DUCT HUMIDISTATS. IF THE AVERAGE RETURN DUCT HUMIDITY RISES ABOVE 55 PERCENT RH (ADJUSTABLE), OR IF THE MEASURED HUMIDITY IN ANY SPACE RISES ABOVE 58 PERCENT RH (ADJUSTABLE), THE UNIT SHALL CYCLE COMPRESSORS TO PROVIDE MAXIMUM COOLING AND DEHUMIDIFICATION (LOWEST POSSIBLE LEAVING COIL DEWPOINT), AND SHALL MODULATE THE HOT-GAS REHEAT TO PROVIDE A SUPPLY AIR TEMPERATURE OF 62°F TO THE TERMINAL UNITS.
5. HEATING MODE:
   - A. NORMAL MODE: THE CENTRAL UNIT SHALL SWITCH TO HEATING MODE IF THE OUTSIDE AIR TEMPERATURE DROPS BELOW 50 DEGREES. IN A CALL FOR HEATING, THE UNIT SHALL ENABLE THE GAS HEAT AND SUPPLY 60 DEGREE SUPPLY AIR.
6. COMPARATIVE ENTHALPY ENERGY RECOVERY:
   - A. UNIT SHALL MONITOR THE AMBIENT OUTDOOR AIR ENTHALPY AND SHALL CALCULATE AND MONITOR THE EXHAUST AIR ENTHALPY AND DIRECTLY COMPARE IT TO THE OUTDOOR AIR ENTHALPY.
     - a. COOLING MODE: WHEN EXHAUST AIR ENTHALPY IS GREATER THAN OR EQUAL TO 0.95 TIMES THE OUTDOOR AIR ENTHALPY, THE UNIT SHALL SHUT DOWN AND BYPASS THE ENERGY RECOVERY SECTION OF THE UNIT TO DIRECTLY EXHAUST OUTSIDE AIR.
     - b. HEATING MODE: WHEN EXHAUST AIR ENTHALPY IS LESS THAN OR EQUAL TO 1.05 TIMES THE OUTDOOR AIR ENTHALPY, THE UNIT SHALL SHUT DOWN AND BYPASS THE ENERGY RECOVERY SECTION OF THE UNIT TO DIRECTLY EXHAUST OUTSIDE AIR.
7. TERMINAL UNITS:
   - A. TERMINAL UNITS SHALL MAINTAIN CONSTANT AIRFLOW.
   - B. ON A FALL IN TEMPERATURE BELOW THE SETPOINT, THE SCR ELECTRIC HEAT COIL AT EACH ZONE TERMINAL UNIT SHALL ENERGIZE AND MODULATE UP AND DOWN TO MAINTAIN CONSTANT SPACE TEMPERATURE SETPOINT. TEMPERATURE MODULATION SHALL BE CONTROLLED USING PID LOGIC CONTROLLERS TO MINIMIZE TEMPERATURE SWINGS IN THE SPACE.
   - C. SPACE TEMPERATURE SETPOINTS FOR EACH ZONE ARE AS FOLLOWS:
     - a. COOLING:
       - DOG AREAS: 75°F
       - CAT AREAS: 80°F
       - ALL OTHER AREAS: 73°F
     - b. HEATING:
       - DOG AREAS: 68°F
       - CAT AREAS: 75°F
       - ALL OTHER AREAS: 70°F
8. SAFETY DEVICES:
   - A. SMOKE DETECTOR: STOP FANS, CLOSE ALL DAMPERS, AND SIGNAL ALARM TO THE FIRE ALARM SYSTEM AND THE BAS.
   - B. FREEZE PROTECTION: STOP FANS AND CLOSE OUTSIDE AIR DAMPERS IF LEAVING SUPPLY AIR TEMPERATURE IS BELOW 40°F. SIGNAL ALARM TO BAS.
   - C. HIGH TEMPERATURE DETECTION: STOP FANS AND CLOSE OUTSIDE AIR DAMPERS IF TEMPERATURE IN SUPPLY AIR OR RETURN AIR IS ABOVE 300°F. SIGNAL ALARM TO BAS.
9. DISPLAY:
   - A. SYSTEM GRAPHIC.
   - B. SYSTEM ON/OFF INDICATION.
   - C. SYSTEM DAY/NIGHT MODE.
   - D. SYSTEM FAN ON/OFF INDICATION.
   - E. RETURN FAN ON/OFF INDICATION.
   - F. EXHAUST FAN ON/OFF INDICATION.
   - G. OUTSIDE AIR TEMPERATURE INDICATION.
   - H. MIXED AIR TEMPERATURE INDICATION.
   - I. FAN DISCHARGE AIR TEMPERATURE INDICATION.
   - J. REHEAT ZONE AIR TEMPERATURE INDICATION.
   - K. RETURN/EXHAUST HUMIDITY INDICATION.
   - L. FAN DISCHARGE TEMPERATURE CONTROL POINT ADJUSTMENT.
   - M. RETURN/EXHAUST HUMIDITY CONTROL POINT ADJUSTMENT.
   - N. REHEAT ZONE CONTROL POINT ADJUSTMENT.
   - O. SUPPLY STATIC PRESSURE INDICATION.
   - P. SUPPLY STATIC PRESSURE CONTROL POINT ADJUSTMENT.
   - Q. BUILDING STATIC PRESSURE INDICATION.
   - R. BUILDING STATIC PRESSURE CONTROL POINT ADJUSTMENT.
   - S. SYSTEM ON/OFF AUTO SWITCH.
   - T. SYSTEM DAY/NIGHT/AUTO SWITCH.
   - U. SUPPLY FAN ON/OFF SWITCH.
   - V. RETURN/EXHAUST FAN ON/OFF/AUTO SWITCH.
   - W. PRE-FILTER PRESSURE DROP.
   - X. PRE-FILTER STATUS.
   - Y. ENERGY RECOVERY PRESSURE DROP.
   - Z. ENERGY RECOVERY STATUS.
   - AA. PRIMARY FILTER PRESSURE DROP.
   - BB. PRIMARY FILTER STATUS.
   - CC. ENERGY RECOVERY SECTION TEMPERATURE INDICATION (RETURN AIR UPSTREAM).
   - DD. ENERGY RECOVERY SECTION TEMPERATURE INDICATION (RETURN AIR DOWNSTREAM).
   - EE. ENERGY RECOVERY SECTION TEMPERATURE INDICATION (OUTSIDE AIR UPSTREAM).
   - FF. ENERGY RECOVERY SECTION TEMPERATURE INDICATION (OUTSIDE AIR DOWNSTREAM).

SEQUENCE OF OPERATION: MISCELLANEOUS EQUIPMENT

1. INFRARED HEATERS: HEATERS SHALL BE CONTROLLED BY WALL MOUNTED THERMOSTATS SET TO 60 DEGREES (ADJUSTABLE) (NOT CONNECTED TO BAS)
2. ELECTRIC UNIT HEATERS: HEATERS SHALL BE CONTROLLED BY BAS-CONNECTED WALL MOUNTED THERMOSTATS SET TO 50 DEGREES (ADJUSTABLE).

ALPHA BLDG SET 08-19-2025

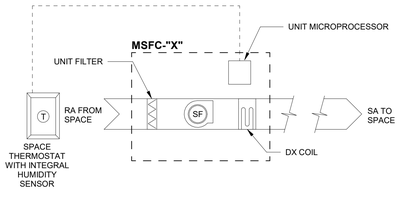


A1 M-701 RTU - NO ENERGY RECOVERY
NOT TO SCALE

SEQUENCE OF OPERATION - SINGLE-DUCT VARIABLE VOLUME: RTU-1 / VAVs

THE CENTRAL PACKAGED DX AIR HANDLING UNIT SHALL BE ENABLED BY THE BAS TO RUN DURING NORMAL OCCUPIED HOURS, AND SHALL SET BACK DURING UNOCCUPIED HOURS.

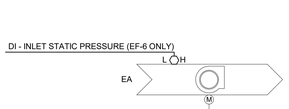
2. FAN CONTROL:
   - A. THE CENTRAL UNIT SUPPLY FAN VFD SHALL BE UNDER THE CONTROL OF A DUCT MOUNTED STATIC PRESSURE SENSOR, LOCATED 2/3 OF THE WAY DOWN, OR AS RECOMMENDED BY THE TAB AGENT. THE SUPPLY FAN SPEED SHALL MODULATE TO MAINTAIN THE DUCT MOUNTED STATIC PRESSURE SET POINT, INITIALLY SET AT 1.5".
   - B. MODULATION OF ALL FAN CONTROL SHALL BE CONTROLLED USING PROPORTIONAL-INTEGRAL-DERIVATIVE (PID) LOGIC TO PREVENT HUNTING, SHORT-CYCLING, OR SURGING.
3. COOLING MODE:
   - A. NORMAL MODE: UNIT SHALL MODULATE COMPRESSOR CAPACITY TO SUPPLY A MAXIMUM LEAVING-COIL AIR TEMPERATURE OF 54°F (ADJUSTABLE).
   - B. DEHUMIDIFICATION MODE: HUMIDITY SHALL BE MONITORED BY SPACE AND RETURN AIR DUCT HUMIDISTATS. IF THE AVERAGE RETURN DUCT HUMIDITY RISES ABOVE 55 PERCENT RH (ADJUSTABLE), OR IF THE MEASURED HUMIDITY IN ANY SPACE RISES ABOVE 58 PERCENT RH (ADJUSTABLE), THE UNIT SHALL CYCLE COMPRESSORS TO PROVIDE MAXIMUM COOLING AND DEHUMIDIFICATION (LOWEST POSSIBLE LEAVING COIL DEWPOINT), AND SHALL MODULATE THE HOT-GAS REHEAT TO PROVIDE A SUPPLY AIR TEMPERATURE OF 58°F TO THE TERMINAL UNITS.
4. HEATING MODE:
   - A. NORMAL MODE: THE CENTRAL UNIT SHALL SWITCH TO HEATING MODE IF THE OUTSIDE AIR TEMPERATURE DROPS BELOW 50 DEGREES. IN A CALL FOR HEATING, THE UNIT SHALL ENABLE THE GAS HEAT AND SUPPLY 60 DEGREE SUPPLY AIR.
5. OUTSIDE AIR, RETURN, AND RELIEF DAMPERS:
   - A. WHEN SUPPLY FAN IS RUNNING OPEN OUTSIDE AIR DAMPER TO MINIMUM POSITION AS INDICATED IN SEQUENCES BELOW. PREVENT SUPPLY FAN STARTING UNTIL OUTSIDE AIR DAMPER IS OPEN AND POSITION IS VERIFIED.
   - B. WHEN SUPPLY FAN IS NOT RUNNING, OUTSIDE AND RELIEF DAMPERS ARE CLOSED AND RETURN DAMPER IS OPEN.
   - C. WHEN SUPPLY FAN IS RUNNING, DAMPERS ARE CONTROLLED AND OPERATE WITH OUTSIDE AND RELIEF DAMPERS OPENING, AND RETURN DAMPER CLOSING.
   - D. FOR COOLING AND OUTSIDE AIR TEMPERATURES BELOW 55 DEGREES F, MODULATE DAMPERS TO MAINTAIN MIXED AIR TEMPERATURE OF 55 DEGREES F OR HIGHER.
   - E. FOR COOLING AND OUTSIDE AIR TEMPERATURES ABOVE 55 DEGREES F OUTSIDE AND RELIEF DAMPERS ARE OPEN AND RETURN DAMPER IS CLOSED.
   - F. FOR COOLING AND OUTSIDE AIR TEMPERATURES ABOVE 55 DEGREES F COMPARE RETURN AND OUTSIDE AIR ENTHALPIES. IF RETURN AIR ENTHALPY IS LOWER, DRIVE OUTSIDE DAMPER TO MINIMUM, CLOSE RELIEF DAMPER, AND OPEN RETURN DAMPER.
   - G. FOR OUTSIDE AIR TEMPERATURES ABOVE 79 DEGREES F, DRIVE OUTSIDE DAMPER TO MINIMUM, CLOSE RELIEF DAMPER, AND OPEN RETURN DAMPER.
   - H. FOR HEATING, DRIVE OUTSIDE DAMPER TO MINIMUM, CLOSE RELIEF DAMPER, AND OPEN RETURN DAMPER.
6. TERMINAL UNITS:
   - A. ON A RISE IN SPACE TEMPERATURE ABOVE THE COOLING SET-POINT, THE UNIT MODULATES TO ITS MAXIMUM AIRFLOW.
   - B. AS THE SPACE TEMPERATURE FALLS BELOW THE COOLING SET-POINT, THE UNIT MODULATES TO ITS MINIMUM AIRFLOW.
   - C. AS THE SPACE TEMPERATURE CONTINUES TO FALL TO THE HEATING SET-POINT, THE TERMINAL MODULATES TO ITS HEATING MINIMUM AIRFLOW. AT THIS POINT, THE SCR HEAT WILL MODULATE TO MAINTAIN ROOM TEMPERATURE SETPOINT.
   - D. DEHUMIDIFICATION:
     - a. IF THE MEASURED HUMIDITY IN ANY SPACE RISES ABOVE 58 PERCENT RH (ADJUSTABLE), THE UNIT SHALL MODULATE TO MAXIMUM AIRFLOW, AND SHALL MODULATE THE SCR HEAT TO CONTROL DISCHARGE AIR TEMPERATURE TO MAINTAIN THE TEMPERATURE SETPOINT IN THE SPACE.
   - E. TEMPERATURE MODULATION AND AIRFLOW MODULATION SHALL BE CONTROLLED USING PID LOGIC CONTROLLERS TO MINIMIZE TEMPERATURE SWINGS IN THE SPACE AND HUNTING FOR THE CENTRAL UNIT FAN AND OTHER TERMINAL UNITS.
   - F. SPACE TEMPERATURE SETPOINTS FOR EACH ZONE ARE AS FOLLOWS:
     - a. COOLING: 73°F
     - b. HEATING: 70°F
7. SAFETY DEVICES:
   - A. SMOKE DETECTOR: STOP FANS, CLOSE ALL DAMPERS, AND SIGNAL ALARM TO THE FIRE ALARM SYSTEM AND THE BAS.
   - B. FREEZE PROTECTION: STOP FANS AND CLOSE OUTSIDE AIR DAMPERS IF LEAVING SUPPLY AIR TEMPERATURE IS BELOW 40°F. SIGNAL ALARM TO BAS.
   - C. HIGH TEMPERATURE DETECTION: STOP FANS AND CLOSE OUTSIDE AIR DAMPERS IF TEMPERATURE IN SUPPLY AIR OR RETURN AIR IS ABOVE 300°F. SIGNAL ALARM TO BAS.
8. DISPLAY:
   - A. SYSTEM GRAPHIC.
   - B. SYSTEM ON/OFF INDICATION.
   - C. SYSTEM DAY/NIGHT MODE.
   - D. SYSTEM FAN ON/OFF INDICATION.
   - E. OUTSIDE AIR TEMPERATURE INDICATION.
   - F. MIXED AIR TEMPERATURE INDICATION.
   - G. FAN DISCHARGE AIR TEMPERATURE INDICATION.
   - H. REHEAT ZONE AIR TEMPERATURE INDICATION.
   - I. RETURN HUMIDITY INDICATION.
   - J. FAN DISCHARGE TEMPERATURE CONTROL POINT ADJUSTMENT.
   - K. RETURN HUMIDITY CONTROL POINT ADJUSTMENT.
   - L. REHEAT ZONE CONTROL POINT ADJUSTMENT.
   - M. SUPPLY STATIC PRESSURE INDICATION.
   - N. SUPPLY STATIC PRESSURE CONTROL POINT ADJUSTMENT.
   - O. BUILDING STATIC PRESSURE INDICATION.
   - P. BUILDING STATIC PRESSURE CONTROL POINT ADJUSTMENT.
   - Q. SYSTEM ON/OFF AUTO SWITCH.
   - R. SYSTEM DAY/NIGHT/AUTO SWITCH.
   - S. SUPPLY FAN ON/OFF SWITCH.
   - T. PRE-FILTER PRESSURE DROP.
   - U. PRE-FILTER STATUS.
   - V. PRIMARY FILTER PRESSURE DROP.
   - W. PRIMARY FILTER STATUS.



I16 M-701 DX MINI-SPLIT
NOT TO SCALE

SEQUENCE OF OPERATION: MSCU-1

1. MSCU-1: DUCTLESS SPLIT SYSTEMS SERVING THE IT ROOM SHALL OPERATE INDEPENDENTLY OF THE BAS, TO CONTROL THE ROOM TEMPERATURE SET AT 75°F (ADJUSTABLE).
2. THE UNIT THERMOSTAT SERVING THE IT ROOM SHALL BE CONNECTED TO THE BAS TO MONITOR THE SPACE TEMPERATURE AND HUMIDITY LEVELS. IF THE SPACE TEMPERATURE RISES ABOVE 78°F (ADJUSTABLE), AN ALARM SHALL BE SENT TO THE BAS.



G17 M-701 EXHAUST FAN
NOT TO SCALE

SEQUENCE OF OPERATION: FANS

1. EF-1 AND EF-2: THE FANS SHALL BE CONTROLLED BY WALL-MOUNTED THERMOSTAT, SET TO 80°F (ADJUSTABLE).
2. EF-3 AND EF-4: THE FANS SHALL BE CONTROLLED TO RUN DURING OCCUPIED HOURS. THE FAN OPERATION TO RUN WHEN RTU-1 IS IN OCCUPIED MODE. THE FANS SHALL BE DISABLED WHEN RTU-1 IS DISABLED, IN NIGHT SETBACK, OR MORNING WARM-UP.
3. EF-5 AND EF-6: THE FANS SHALL RUN CONTINUOUSLY 24/7. THE BAS SHALL BE NOTIFIED IF THE FAN STATIC PRESSURE RISES ABOVE 90% OF THE SCHEDULED STATIC PRESSURE NOTED IN THE FAN SCHEDULE (EF-6 ONLY).
4. BF-1: THE FAN SHALL BE CONTROLLED BY A WALL MOUNTED CONTROLLER, AND SHALL OPERATE USING THE SEQUENCES PROGRAMMED BY THE MANUFACTURER FOR BOTH HEATING AND COOLING SEASONS. THE CONTROLLER SHALL BE CONNECTED TO THE BAS FOR MONITORING OF FAN STATUS, ON/OFF CONTROL, SEASONAL SETTINGS CONTROL, AND GENERAL MONITORING.
5. THE FOLLOWING SHALL BE CONTINUOUSLY MONITORED BY THE BAS FOR ALL FANS:
   - A. FAN STATUS.
   - B. INLET STATIC PRESSURE (EF-6 ONLY).
   - C. MONITOR ALL INFORMATION AVAILABLE FROM THE AIRFLOW CONTROL SYSTEM PANEL.

CROFT

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GEORGIA REGISTERED No. PE047197 PROFESSIONAL ENGINEER ANTHONY T. GARGIULO

Georgia COA: CROFT
Authorization No.: PEPI001438
Expires: 06/02/2026

03/07/2025

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HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CORNELIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-07-08	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

DRAWN: JEB
CHECKED: MDJ

SHEET TITLE
HVAC CONTROLS & DIAGRAMS

SHEET NO.
M-701

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THIS SHEET PLOTS ON 42" X 30"

3"
2"
1"
1/2"
0

ALPHA BLDG SET 08-19-2025

MASTER KEY: ELECTRICAL NEW WORK PROJECT SHEET NOTES
NOTES APPLY ACROSS ALL ELECTRICAL NEW WORK SHEETS. SEE INDIVIDUAL SHEETS FOR APPLICATION.

TAG #	TAG DESCRIPTION
1	BATTERY CHARGER AND BLOCK HEATER CIRCUITS ROUTED UNDERGROUND TO ELECTRICAL ROOM.
2	PROVIDE (2) 4" CONDUITS WITH PULLSTRING ROUTED UNDERGROUND AND STUBBED UP IN IT ROOM 108.
3	PROVIDE AND INSTALL CEILING MOUNTED CORD REEL. MEDREEL MR-202014-AD OR EQUAL.
4	PROVIDE AND INSTALL RECESSED JUNCTION BOX AT 3'-0" AFF AND 3/4" CONDUIT TO PET SCALE ON THE FLOOR. REFER TO DETAIL G7/E-701 FOR INSTALLATION DETAILS AND NOTES.
5	DEDICATED RECEPTACLE AT 44" A.F.F. FOR CONNECTION OF ULTRASONIC CLEANER.
6	DEDICATED RECEPTACLE AT 44" A.F.F. FOR CONNECTION OF AUTOCLAVE.
7	PROVIDE 120V 1PH (2#12, 1#12G. -1/2"C.) POWER FOR RECESSED ELECTRONIC TRAP PRIMER. COORDINATE EXACT LOCATION OF ELECTRICAL JUNCTION BOX WITH-IN TRAP PRIMER HOUSING.
8	INSTALL OUTDOOR WEATHERPROOF RECEPTACLE AT 20" AFG WITHIN THE CENTER OF BLOCK.
9	CONTRACTOR TO PROVIDE AND INSTALL SPECIAL RECEPTACLE NEMA 18-20R FOR WASHER, MOUNTED 18" AFF. PROVIDE AND INSTALL 3#12 AND 1#12G IN 1/2" CONDUIT.
10	CONTRACTOR TO PROVIDE AND INSTALL SPECIAL RECEPTACLE NEMA 18-15R FOR DRYER, MOUNTED 18" AFF. PROVIDE AND INSTALL 3#12 AND 1#12G IN 1/2" CONDUIT.
11	ROUTE EXTERIOR WALL PACKS THROUGH PHOTOCELL, TYP. ALL.
12	WIRING AND CONDUIT PER REMOTE SHUT OFF MANUFACTURER RECOMMENDATIONS.
13	PROVIDE AND INSTALL SURGE PROTECTION DEVICE (SQUARE D # SSP-02-EMA-12, OR EQUAL). COORDINATE EXACT WIRING REQUIREMENTS WITH MANUFACTURER.
14	SERVICE GROUND. SEE DETAIL (F1/E-501) AND (K14/E-501).
15	GROUND ROD ELECTRODE(S): PROVIDE (3) ELECTRODES IN AN QUADRILATERAL TRIANGLE CONFIGURATION UNLESS OTHERWISE INDICATED OR REQUIRED. SPACE ELECTRODES NOT LESS THAN (10'-0") FROM EACH OTHER AND ANY OTHER GROUND ELECTRODE. LOCATE ELECTRODE(S) AT LEAST (5'-0") OUTSIDE THE BUILDNIG PERIMETER FOUNDATION AS NEAR AS POSSIBLE TO ELECTRICAL SERVICE ENTRANCE; WHERE POSSIBLE, LOCATE IN SOFTSCAPE (UNCOVERED) AREA.
16	PROVIDE AND INSTALL AN "EPO" EMERGENCY POWER OFF BUTTON FOR X-RAY SHUNT TRIP BREAKER, MOUNTED 44" AFF.
17	PROVIDE 1" CONDUIT WITH PULLSTRING STUBBED ABOVE CEILING FOR DISHWASHER POWER CONNECTION. COORDINATE WITH MANUFACTURER FOR EXACT REQUIREMENTS.
18	PROVIDE (2) 4" CONDUIT WITH PULLSTRING BURIED 24" BELOW FINISHED GRADE TO RM. 108 FOR TELECOM ENTRANCE. COORDINATE QUANITY, SIZES, AND STUB LOCATIONS WITH OWNER PRIOR TO INSTALLATION.
19	SENSOR FAUCET. PROVIDE AND INSTALL 120V 1PH POWER (2#12, 1#12G. - 1/2" C.).
20	MEDICAL GAS MASTER ALARM PANEL. PROVIDE AND INSTALL 120V 1PH POWER (2#12, 1#12G. - 1/2"C.). COORDINATE EXACT HEIGHT AND LOCATION WITH MANUFACTURER.
21	DEDICATED RECEPTACLE IN ADJACENT CABINET FOR CONNECTION OF BREAK ROOM DISHWASHER.
22	CONDUIT FOR GENERATOR RUN UNDERGROUND TO BUILDING. SEE E-501 FOR MORE INFORMATION.
23	PROVIDE (1) 1" PVC CONDUIT WITH PULL-STRING FROM FIRE ALARM CONTROL PANEL "FACP" TO POST INDICATOR VALVE "PIV" VAULT.
24	UNDERGROUND RUN FOR PANEL BOARD 'P5'. SEE N3/E-501 FOR MORE INFORMATION.
25	CONDUIT ROUTED UNDERGROUND FROM UTILITY TRANSFORMER TO THE MDP. SEE E-501 FOR MORE INFORMATION.
26	(1) 1-1/2" PVC CONDUIT WITH PULL STRING ROUTED UNDERGROUND TO IT 108 FOR GATE PEDESTAL CONTROLS.
27	GATE PEDESTAL. COORDINATE EXACT LOCATION WITH OWNER.
28	GATE CONTROL BOX. SEE M2/E-702 FOR MORE DETAIL. COORDINATE EXACT LOCATION WITH CIVIL. COORDINATE EXACT CONDUIT REQUIREMENTS WITH GATE MANUFACTURER.
29	MAIN BUILDING GROUND BAR.
30	TELECOM GROUND BAR.
31	GENERATOR ANNUNCIATOR PANEL.
32	PROVIDE 2" CONDUIT WITH PULL STRING TERMINATED IN A PULL BOX FOR FUTURE INCINERATOR.
33	PROPOSED UTILITY TRANSFORMER LOCATION.
34	SEE N1/E-701 FOR MORE INFORMATION.
35	(1) 1/2" PVC CONDUIT WITH PULL STRING ROUTED UNDERGROUND TO IT 108 FOR GATE MOTOR CONTROLS.
36	(1) 2" PVC CONDUIT WITH PULL STRING ROUTED UNDERGROUND TO IT 108. COORDINATE EXACT TERMINATION LOCATION WITH OWNER.
41	ROUTE EXTERIOR DOWN LIGHTS THROUGH PHOTOCELL, TYP. ALL.
42	ACCESS CONTROL PANEL. SEE J20/E-501 FOR CIRCUIT NUMBER AND MORE DETAIL.
43	GENERATOR BLOCK HEATER. SEE E-501 FOR MORE DETAIL.
44	GENERATOR BATTERY CHARGER. SEE E-501 FOR MORE DETAIL.
45	POWER FOR TV.
46	COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH MILLWORK.
47	EVAPORATOR POWER.
48	CONDENSOR POWER.
49	WALK-IN POWER.
50	COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH LOW VOLTAGE CONTRACTOR.
51	PROVIDE (2) 4" CONDUITS WITH PULLSTRING ROUTED UNDERGROUND FROM IT ROOM 108 TO LOW VOLTAGE DEMARCATION LOCATION. COORDINATE EXACT LOCATION WITH LOW VOLTAGE CONTRACTOR. SEE E-501 FOR MORE INFORMATION.
52	COORDINATE EXACT CONDUIT DEPTH SO THAT NO CONDUIT RUNS CONFLICT WITH EACH OTHER. ROUTE CONDUITS A MINIMUM OF 24" BELOW FINISH GRADE.
53	POWER FOR GATE MOTOR.
54	PROVIDE AND INSTALL POWER FOR PARKING ARMS. COORDINATE EXACT POWER REQUIREMENTS WITH PARKING ARM MANUFACTURER. PROVIDE (1) 1" CONDUIT WITH PULL STRING FOR CONTROL WIRING.

APPLICATION OF THE DRAWINGS:

1. THE DRAWINGS ARE AN ESSENTIAL PART OF THE CONTRACT DOCUMENTS AND SHALL BE USED IN CONJUNCTION WITH THE REQUIREMENTS OF THE SPECIFICATIONS SECTION OF THE CONTRACT DOCUMENTS. IN NO CASE ARE THE DRAWINGS TO BE CONSTRUED TO REQUIRE LESS THAN WHAT IS REQUIRED BY LOCAL CONDITIONS AND STATE AND LOCAL BUILDING CODES AND OTHER APPLICABLE LAWS.
2. THE OMISSION OF ANY PART OF THE CONTRACT DOCUMENTS IS LIKELY TO RESULT IN CONFLICTS, INCOMPLETE INSTALLATION, OR A FINISHED PRODUCT THAT DOES NOT FUNCTION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ANY SUCH CIRCUMSTANCES IDENTIFIED BY THE DESIGN PROFESSIONAL, THE OWNER, OR THE AUTHORITIES HAVING JURISDICTION SHALL REQUIRE THE CONTRACTOR TO REMEDY THE IDENTIFIED DEFICIENT WORK AT NO ADDITIONAL COST TO THE PROJECT.
3. DRAWINGS SHOULD NOT BE RELIED UPON TO DETERMINE THE QUANTITY OF MATERIALS TO BE SUPPLIED WITHOUT RECOURSE TO THE SPECIFICATIONS.
4. DRAWINGS ARE DIAGRAMMATIC AND ARE NOT REPRESENTATIVE OF ALL POTENTIAL CONDITIONS. COORDINATE WITH ALL DISCIPLINES TO ENSURE PROPER INSTALLATION OF ALL SYSTEMS AND EQUIPMENT.
5. CONFLICTS: THE PROVISION, SPECIFICATION OR DRAWING IN THE CONTRACT DOCUMENTS WHICH PROVIDES FOR THE HIGHER QUALITY OR QUANTITY SHALL TAKE PRECEDENCE OVER A CONFLICTING OR INCONSISTENT PROVISION, SPECIFICATION OR DRAWING IN THE CONTRACT DOCUMENTS. WHERE SUCH A CONFLICT IS IDENTIFIED, THE CONTRACTOR SHALL SUBMIT A REQUEST FOR INFORMATION (RFI) FOLLOWING THE PROCEDURES OUTLINED IN THE SPECIFICATIONS, SECTION 01 3000 ADMINISTRATIVE REQUIREMENTS.
6. REFER TO ARCHITECTURAL FLOOR PLANS, REFLECTED CEILING PLANS, AND ELEVATIONS FOR EXACT LOCATIONS OF ALL EQUIPMENT, LIGHTING, AND DEVICES.
7. SEE SHEET G-002 FOR COMMON PROJECT ABBREVIATIONS, DEFINITIONS, AND GENERAL NOTES APPLICABLE TO THESE DRAWINGS.

ELECTRICAL SYMBOL LEGEND

*NOT ALL SYMBOLS ARE USED ON PLANS. **LISTED MOUNTING HEIGHTS ARE TO CENTER TO DEVICE.

ϕ_X	120V DUPLEX RECEPTACLE, WALL MOUNTED, 18" AFF UNO. USE "X" TO DESIGNATE DEVICE. TYPICAL OF MOST RECEPTACLES. A = ARC FAULT CIRCUIT INTERRUPTER (AFCI) G = GROUND FAULT CIRCUIT INTERRUPTER (GFCI) TR = TAMPER RESISTANT U = COMBINATION USB RECEPTACLE (DUPLEX WITH (1) BUILT-IN USB-A & (1) BUILT-IN USB-C TYPE CONNECTIONS) BASIS OF DESIGN: LEGRAND WRR26USBAC6W WP = WEATHERPROOF (IN-USE COVER) WPG = WEATHERPROOF GFCI 72" = NON-STANDARD MOUNTING HEIGHT. NUMBER INDICATES INCHES AFF
ϕ_X	120V SPLIT-WIRED DUPLEX RECEPTACLE. (1) OUTLET CONTROLLED BY RELAY PANEL, WALL MOUNTED, 18" AFF UNO.
ϕ_X	120V QUAD RECEPTACLE, WALL MOUNTED, 18" AFF UNO.
ϕ_X	120V SPLIT-WIRED QUAD RECEPTACLE. (2) OUTLETS CONTROLLED BY RELAY PANEL, WALL MOUNTED, 18" AFF UNO.
ϕ_X	SPECIAL PURPOSE OUTLET, WALL MOUNTED, 18" AFF UNO.
	120V DUPLEX RECEPTACLE, IN FLUSH FLOOR BOX.
	120V SPLIT-WIRED DUPLEX RECEPTACLE, IN FLUSH FLOOR BOX. (1) OUTLET CONTROLLED BY RELAY PANEL.
	120V QUAD RECEPTACLE, IN FLUSH FLOOR BOX.
	120V SPLIT-WIRED QUAD RECEPTACLE, IN FLUSH FLOOR BOX. (2) OUTLETS CONTROLLED BY RELAY PANEL.
	120V DUPLEX RECEPTACLE, CEILING MOUNTED.
J	EQUIPMENT JUNCTION BOX, VOLTAGE AND WIRING PER EQUIPMENT REQUIREMENTS
J	EQUIPMENT JUNCTION BOX, WALL MOUNTED.
	FURNITURE POWER CONNECTION.
	LIGHTING, POWER, DISTRIBUTION PANEL.
48" / A-1	INDICATES MOUNTING HEIGHT AFF OTHER THAN STANDARD INDICATES PANEL AND/OR CIRCUIT NUMBER

FIRE ALARM SYMBOL LEGEND

*NOT ALL SYMBOLS ARE USED ON PLANS. **LISTED MOUNTING HEIGHTS ARE TO CENTER TO DEVICE.

	FIRE ALARM ADA PULL STATION, 48"AFF
	CEILING MOUNTED SMOKE DETECTOR
	SMOKE DUCT MOUNTED DETECTOR
	HEAT DETECTOR
CO	CEILING MOUNTED CO DETECTOR
	FIRE ALARM TAMPER, FLOW AND PRESSURE SWITCH RESPECTIVELY (COORDINATE EXACT QUANTITY AND LOCATION WITH SPRINKLER SHOP DRAWINGS)
	ABORT SWITCH
C M	CONTROL (C) MODULE, MONITOR (M) MODULE
M	MAGNETIC DOOR HOLDER
	FIRE ALARM ADA APPROVED HORN WALL DEVICE, 84"AFF
	FIRE ALARM ADA APPROVED STROBE WALL DEVICE, 84"AFF
	FIRE ALARM ADA APPROVED HORN/STROBE WALL DEVICE, 84"AFF
	FIRE ALARM ADA APPROVED STROBE CEILING DEVICE
	FIRE ALARM ADA APPROVED HORN/STROBE CEILING DEVICE
F	FIRE ALARM ADA APPROVED SPEAKER WALL DEVICE, 84"AFF
F	FIRE ALARM ADA APPROVED SPEAKER/STROBE WALL DEVICE, 84"AFF
	FIRE ALARM ADA APPROVED SPEAKER/STROBE CEILING DEVICE
F	FIRE ALARM ADA APPROVED SPEAKER CEILING DEVICE
FACP	FIRE ALARM CONTROL PANEL
FAA	FIRE ALARM ANNUNCIATOR PANEL

LIGHTING SYMBOL LEGEND

*NOT ALL SYMBOLS ARE USED ON PLANS. **LISTED MOUNTING HEIGHTS ARE TO CENTER TO DEVICE.

$ Xx	LIGHT SWITCH, 48" UNO. USE "X" TO DESIGNATE TYPE. TYPICAL OF MOST SWITCHES. BLANK = SINGLE-POLE, SINGLE-THROW 3 = 3-WAY, SINGLE-POLE, DOUBLE-THROW 4 = 4-WAY, DOUBLE-POLE, DOUBLE-THROW D = DIMMER SWITCH, 0-10V DOS = COMBINATION DIMMER/WALL OCCUPANCY SENSOR, DUAL TECHNOLOGY F = FAN CONTROL LV = LOW-VOLTAGE, MULTI-BUTTON WALL STATION M = MOTOR-RATED OS = WALL OCCUPANCY SENSOR-SINGLE OR 3-WAY, DUAL TECHNOLOGY S = PROJECTION SCREEN CONTROL T = TIMER SWITCH VOS = COMBINATION VACANCY/WALL OCCUPANCY SENSOR, DUAL TECHNOLOGY USE "x" TO DESIGNATE ZONE.
OS	CEILING MOUNTED OCCUPANCY SENSOR, DUAL TECHNOLOGY. WATTSTOPPER DT-300 OR EQUIVALENT.
VS	CEILING MOUNTED VACANCY SENSOR, DUAL TECHNOLOGY. WATTSTOPPER DT-300 OR EQUIVALENT.
PC	PHOTOCELL (EXTERIOR, INTERIOR)
	2X4 RECESSED TROFFER, REFER TO LIGHTING FIXTURE SCHEDULE FOR DETAILS.
	EMERGENCY 2X4 RECESSED TROFFER, REFER TO LIGHTING FIXTURE SCHEDULE FOR DETAILS.
	2X2 RECESSED TROFFER, REFER TO LIGHTING FIXTURE SCHEDULE FOR DETAILS.
	EMERGENCY 2X2 RECESSED TROFFER, REFER TO LIGHTING FIXTURE SCHEDULE FOR DETAILS.
	RECESSED DOWNLIGHT, REFER TO LIGHTING FIXTURE SCHEDULE FOR DETAILS.
	EMERGENCY RECESSED DOWNLIGHT, REFER TO LIGHTING FIXTURE SCHEDULE FOR DETAILS.
	LINEAR STRIP FIXTURE, REFER TO LIGHTING FIXTURE SCHEDULE FOR DETAILS.
	EXTERIOR WALL FIXTURE, REFER TO LIGHTING FIXTURE SCHEDULE FOR DETAILS.
	CEILING/WALL MOUNTED EXIT SIGN
	WALL MOUNTED EMERGENCY LIGHTING FIXTURE
AE a A-1	INDICATES FIXTURE TYPE INDICATES EMERGENCY FIXTURE INDICATES SWITCHING INDICATES PANEL AND/OR CIRCUIT NUMBER

LOW VOLTAGE SYMBOL LEGEND

*NOT ALL SYMBOLS ARE USED ON PLANS. **LISTED MOUNTING HEIGHTS ARE TO CENTER TO DEVICE.

	DATA/PHONE OUTLET WALL MOUNTED 18" AFF UNO, WITH 3/4" CONDUIT & PULLSTRING STUBBED TO 6" ABOVE ACCESSIBLE CEILING, TERMINATED WITH BUSHING.
TV	TV OUTLET, SINGLE GANG BOX, WITH 1" CONDUIT IN WALL, STUBBED OUT 6" ABOVE CEILING W/PULL STRING. (1)
C	FURNITURE COMMUNICATION/DATA CONNECTION.
	DATA/PHONE OUTLET FLOOR MOUNTED, WITH 1" CONDUIT & PULLSTRING STUBBED TO 6" ABOVE ACCESSIBLE CEILING.
	DATA OUTLET, CEILING MOUNTED
	WIRELESS ACCESS POINT, CEILING MOUNTED
S S	SPEAKER, CEILING/PENDANT, WALL
PB	DOORBELL PUSH BUTTON, PROVIDE SINGLE GANG BOX WITH 3/4"C & PULLSTRING TO PLENUM SPACE ABOVE CEILING LEVEL
PAG	PAGING SYSTEM CONTROL UNIT
	360 DEGREE WALL OR CEILING MOUNTED SECURITY CAMERA
CR	ACCESS CONTROL CARD READER
DL	ELECTRIC DOOR LOCK WITH INTEGRAL REQUEST-TO-EXIT SWITCH
DC	DOOR MAGNETIC CONTACT
DB	DURESS PUSH BUTTON, PROVIDE SINGLE GANG BOX WITH 3/4"C & PULLSTRING TO PLENUM SPACE ABOVE CEILING LEVEL
MS	MOTION SENSOR
KP	SECURITY KEY PAD
	BACKBOARD: 3/4" 4FT X 8FT FIRE-RATED PLYWOOD
	GROUND BAR

MC CABLE INSTALLATION NOTE:
MC CABLE SHALL ONLY BE USED FROM THE LAST JUNCTION BOX TO THE DEVICE BEING FED. MC CABLE SHALL NOT BE USED TO FEED PANELBOARDS, ROUTING FROM JUNCTION BOX TO JUNCTION BOX OR IN AREAS WITH EXPOSED CEILINGS, CLOUD CEILINGS OR EXPOSED WALLS.

RESTRICTIONS OF SURFACE MOUNTED CONDUIT AND DEVICES FOR NEW CONSTRUCTION:
UNLESS OTHERWISE NOTED ON THE DRAWINGS OR SPECIFICATIONS, ALL CONDUIT SHALL BE CONCEALED AND WALL MOUNTED DEVICES RECESSED FLUSH WITHIN WALLS. SURFACE MOUNTED CONDUIT AND DEVICES ARE PROHIBITED.

RESTRICTIONS OF SURFACE MOUNTED CONDUIT AND DEVICES FOR RENOVATIONS:
UNLESS OTHERWISE NOTED ON THE DRAWINGS OR SPECIFICATIONS, ALL CONDUIT SHALL BE CONCEALED AND WALL MOUNTED DEVICES RECESSED FLUSH WITHIN EXISTING WALLS. CONTRACTORS PRICING TO INCLUDE CUTTING EXISTING WALLS TO INSTALL CONCEALED CONDUIT AND FLUSH WALL MOUNTED DEVICES. PRICE TO ALSO INCLUDE PATCHING EXISTING WALLS BACK TO ORIGINAL CONDITION. SURFACE MOUNTED CONDUIT AND DEVICES ARE PROHIBITED.

ELECTRICAL ABBREVIATIONS: (NOT ALL USED ON PLANS)

A	AMPS, AMPERES	CLG	CEILING	GND	GROUND	MTS	MANUAL TRANSFER SWITCH	PVC	POLYVINYL CHLORIDE
AFCI	ARC FAULT CIRCUIT INTERRUPTER	CT	CURRENT TRANSFORMER	H.M.I.	HUMAN-MACHINE INTERFACE	N	NEUTRAL	QTY	QUANTITY
AFF	ABOVE FINISHED FLOOR	CU	COPPER	HP	HORSEPOWER	NC	NORMALLY CLOSED	RA	REMOTE ANNUNCIATOR
AFG	ABOVE FINISHED GRADE	DC	DIRECT CURRENT	HZ	HERTZ	NEC	NATIONAL ELECTRICAL CODE	RMC	RIGID METAL CONDUIT
AHJ	AUTHORITY HAVING JURISDICTION	DIA	DIAMETER	IMC	INTERMEDIATE METAL CONDUIT	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION	SW	SWITCH
AIC	AMPERE INTERRUPTING CAPACITY	EA	EACH	JB	JUNCTION BOX			SWB	SWITCHBOARD
ATS	AUTOMATIC TRANSFER SWITCH	ELEC	ELECTRICAL	KVA	KILO-VOLT AMP(S)			SWGR	SWITCHGEAR
AWG	AMERICAN WIRE GAUGE	EMER	EMERGENCY	KW	KILO-WATT	NO	NORMALLY OPEN	UC	UNDER COUNTER
C	CONDUIT	EMT	ELECTRICAL METALLIC TUBING	KWH	KILO-WATT HOUR(S)	NTS	NOT TO SCALE	UL	UNDERWRITERS LABORATORY
CB	CIRCUIT BREAKER	ES	EMERGENCY STOP	MC	METAL-CLAD CABLE	OC	OVERCURRENT	UNO	UNLESS NOTED OTHERWISE
CCTV	CLOSED CIRCUIT TELEVISION	FA	FIRE ALARM	MCB	MAIN CIRCUIT BREAKER	OCPD	OVERCURRENT PROTECTION DEVICE	V	VOLT(S)
CL	CENTER LINE	FACP	FIRE ALARM CONTROL PANEL	MCC	MOTOR CONTROL CENTER	OD	OUTSIDE DIAMETER	VA	VOLT-AMPERE(S)
CLG	CEILING	FLA	FULL LOAD AMPS	MFR	MANUFACTURER	P	POLE	VFD	VARIABLE FREQUENCY DRIVE
		FU	FUSE	MLO	MAIN LUGS ONLY	PB	PUSHBUTTON	W	WATT(S)
		GC	GENERAL CONTRACTOR	MTR	METER	PH	PHASE	WP	WATER PROOF
		GFCI	GROUND FAULT CIRCUIT INTERRUPTER			PNL	PANELBOARD		

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GEORGIA REGISTERED PROFESSIONAL ENGINEER ROBBIE E. RAHN
03/07/2025

Georgia COA: CROFT
Authorization No.: PEF007438
Expires: 06/02/2026

OWNER

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30523

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CORNELIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-07-08	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

DRAWN: LRJ
CHECKED: RER

SHEET TITLE
ELECTRICAL LEGEND AND NOTES

SHEET NO.
E-001

3/7/2025 11:23:40 AM
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THIS SHEET PLOTS ON 42" X 30"

0 1/2" 1" 2" 3"

GENERAL NOTES:

1. ALL ELECTRICAL FEEDERS FOR CIRCUITS SHALL BE ONE RUN 2#12, 1#12G. IN 1/2"C. UNLESS NOTED OTHERWISE ON DRAWINGS.
2. CONDUCTOR RUNS GREATER THAN 75 LINEAR FEET SHALL BE UPSIZED TO #10 WIRE UNLESS NOTED OTHERWISE.
3. COORDINATE FINISHES AND MOUNTING HEIGHTS OF ALL DEVICES WITH ARCHITECTURAL PLANS.
4. REFER TO SHEET E-601 FOR MECHANICAL EQUIPMENT CONNECTION SCHEDULE.
5. ALL CONDUIT AND OUTLET BOXES SHALL BE INSTALLED WITHIN WALL CAVITIES. NO EXPOSED CONDUITS ARE ACCEPTABLE BELOW CEILING LEVEL.

SHEET NOTES: E-101
SEE MASTER KEY ON E-001 FOR COMPLETE SHEET NOTE LIST

TAG #	TAG DESCRIPTION
3	PROVIDE AND INSTALL CEILING MOUNTED CORD REEL. MEDREEL MR-202014-AD OR EQUAL.
4	PROVIDE AND INSTALL RECESSED JUNCTION BOX AT 3'-0" AFF AND 3/4" CONDUIT TO PET SCALE ON THE FLOOR. REFER TO DETAIL G7/E-701 FOR INSTALLATION DETAILS AND NOTES.
5	DEDICATED RECEPTACLE AT 44" A.F.F. FOR CONNECTION OF ULTRASONIC CLEANER.
6	DEDICATED RECEPTACLE AT 44" A.F.F. FOR CONNECTION OF AUTOCLAVE.
7	PROVIDE 120V 1PH (2#12, 1#12G. -1/2"C.) POWER FOR RECESSED ELECTRONIC TRAP PRIMER. COORDINATE EXACT LOCATION OF ELECTRICAL JUNCTION BOX WITH-IN TRAP PRIMER HOUSING.
8	INSTALL OUTDOOR WEATHERPROOF RECEPTACLE AT 20" AFG WITHIN THE CENTER OF BLOCK.
9	CONTRACTOR TO PROVIDE AND INSTALL SPECIAL RECEPTACLE NEMA 18-20R FOR WASHER, MOUNTED 18" AFF. PROVIDE AND INSTALL 3#12 AND 1#12G IN 1/2" CONDUIT.
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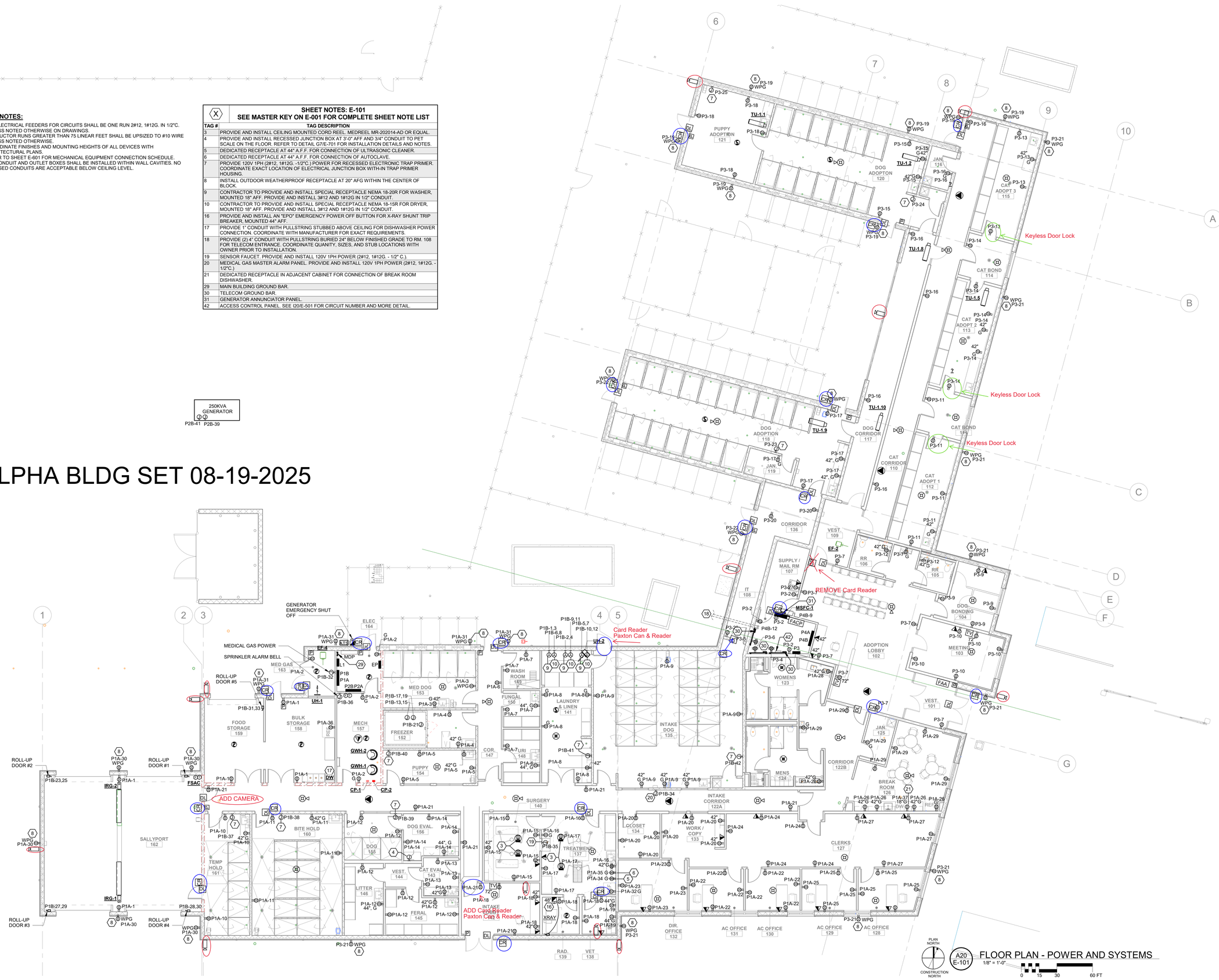
29	MAIN BUILDING GROUND BAR.
30	TELECOM GROUND BAR.
31	GENERATOR ANNUNCIATOR PANEL.
42	ACCESS CONTROL PANEL. SEE I20/E-501 FOR CIRCUIT NUMBER AND MORE DETAIL.

250KVA GENERATOR
P2B-41 P2B-39

ALPHA BLDG SET 08-19-2025



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PLAN NORTH
CONSTRUCTION NORTH

A20 / E-101 FLOOR PLAN - POWER AND SYSTEMS
1/8" = 1'-0"
0 15 30 60 FT

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No.	Date	Description
0	2024-07-08	PERMIT SET
		ISSUANCE

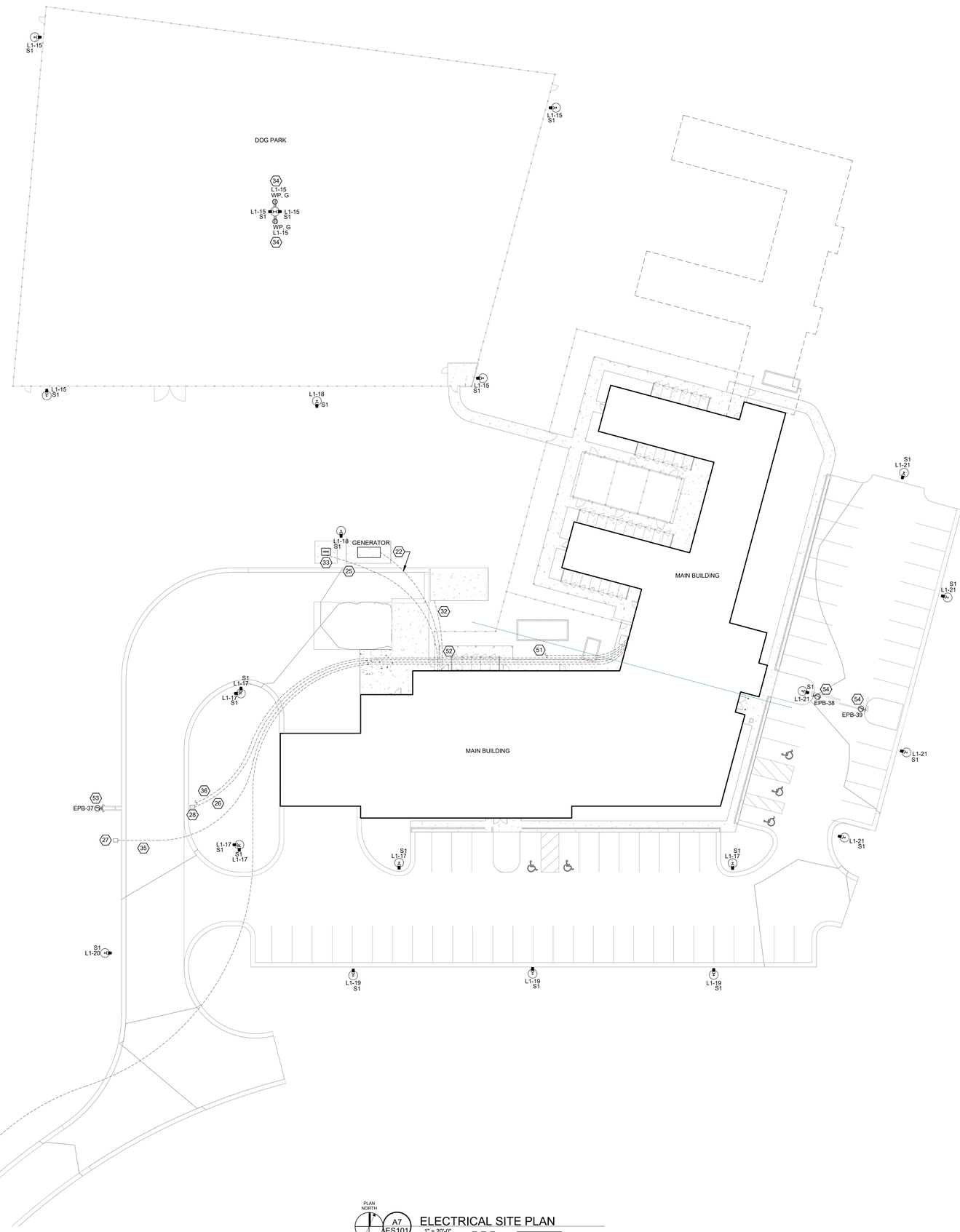
PROJECT NUMBER
2022-313

DRAWN: LRJ
CHECKED: RER

SHEET TITLE
FLOOR PLAN - POWER AND SYSTEMS

SHEET NO.
E-101

THIS SHEET PLOTS ON 42" X 30"



SHEET NOTES: E-101
SEE MASTER KEY ON E-001 FOR COMPLETE SHEET NOTE LIST

TAG #	TAG DESCRIPTION
22	CONDUIT FOR GENERATOR RUN UNDERGROUND TO BUILDING. SEE E-501 FOR MORE INFORMATION.
23	PROVIDE (1) 1" PVC CONDUIT WITH PULL-STRING FROM FIRE ALARM CONTROL PANEL 'FACP' TO POST INDICATOR VALVE "PIV" VAULT.
25	CONDUIT ROUTED UNDERGROUND FROM UTILITY TRANSFORMER TO THE MDP. SEE E-501 FOR MORE INFORMATION.
26	(1) 1-1/2" PVC CONDUIT WITH PULL STRING ROUTED UNDERGROUND TO IT 108 FOR GATE PEDESTAL CONTROLS.
27	GATE PEDESTAL. COORDINATE EXACT LOCATION WITH OWNER.
28	GATE CONTROL BOX. SEE M2/E-702 FOR MORE DETAIL. COORDINATE EXACT LOCATION WITH CIVIL. COORDINATE EXACT CONDUIT REQUIREMENTS WITH GATE MANUFACTURER.
32	PROVIDE 2" CONDUIT WITH PULL STRING TERMINATED IN A PULL BOX FOR FUTURE INCINERATOR.
33	PROPOSED UTILITY TRANSFORMER LOCATION.
34	SEE N1/E-701 FOR MORE INFORMATION.
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36	(1) 2" PVC CONDUIT WITH PULL STRING ROUTED UNDERGROUND TO IT 108. COORDINATE EXACT TERMINATION LOCATION WITH OWNER.
51	PROVIDE (2) 4" CONDUITS WITH PULLSTRING ROUTED UNDERGROUND FROM IT ROOM 108 TO LOW VOLTAGE DEMARCATION LOCATION. COORDINATE EXACT LOCATION WITH LOW VOLTAGE CONTRACTOR. SEE E-501 FOR MORE INFORMATION.
52	COORDINATE EXACT CONDUIT DEPTH SO THAT NO CONDUIT RUNS CONFLICT WITH EACH OTHER. ROUTE CONDUITS A MINIMUM OF 24" BELOW FINISH GRADE.
53	POWER FOR GATE MOTOR.
54	PROVIDE AND INSTALL POWER FOR PARKING ARMS. COORDINATE EXACT POWER REQUIREMENTS WITH PARKING ARM MANUFACTURER. PROVIDE (1) 1" CONDUIT WITH PULL STRING FOR CONTROL WIRING.

GENERAL NOTES:

1. ALL EXISTING UNDERGROUND UTILITIES SHALL BE PHYSICALLY LOCATED PRIOR TO ANY CONSTRUCTION IN THE VICINITY OF THE UTILITIES.
2. CONTRACTOR SHALL MAINTAIN A SAFE WORK SITE AND COMPLY WITH ALL LOCAL, STATE, AND FEDERAL SAFETY REGULATIONS.
3. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ELECTRICAL PERMIT, PROVIDING ALL SECONDARY UTILITY CONNECTIONS, AND COORDINATING AND OBTAINING ELECTRICAL INSPECTION.
4. DAMAGE TO EXISTING FACILITIES AS A RESULT OF CONTRACTOR ACTIVITIES SHALL BE REPAIRED OR REPLACED TO PRE-CONSTRUCTION CONDITIONS BY THE CONTRACTOR AT NO COST TO THE OWNER.
5. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO PRE-CONSTRUCTION CONDITIONS AND MATCH SURROUNDING AREA.
6. WHERE PROPOSED UNDERGROUND UTILITIES CROSS EXISTING UNDERGROUND UTILITIES, CONTRACTOR SHALL EXCAVATE TEST PITS TO LOCATE EXISTING UTILITIES PRIOR TO EXCAVATING FOR PROPOSED UTILITIES.
7. ALL UNDERGROUND CONDUIT TO BE ROUTED A MINIMUM OF 24" BELOW FINISH GRADE.

ALPHA BLDG SET 08-19-2025

PLAN NORTH / CONSTRUCTION NORTH

A7 / ES101 ELECTRICAL SITE PLAN

1" = 20'-0"

0 10 20 40 FT

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GEORGIA REGISTERED No. 34341 PROFESSIONAL ENGINEER ROBBIE E. RAHN

03/07/2025

Georgia COA: CROFT
Authorization No.: PEF007438
Expires: 06/02/2026

OWNER

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30523

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CORNELIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-07-08	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

DRAWN: LRJ
CHECKED: RER

SHEET TITLE
ELECTRICAL SITE PLAN

SHEET NO.
ES101

3/7/2025 11:24:08 AM
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THIS SHEET PLOTS ON 42" X 30"

0 1/2" 1" 2" 3"

GENERAL NOTES:

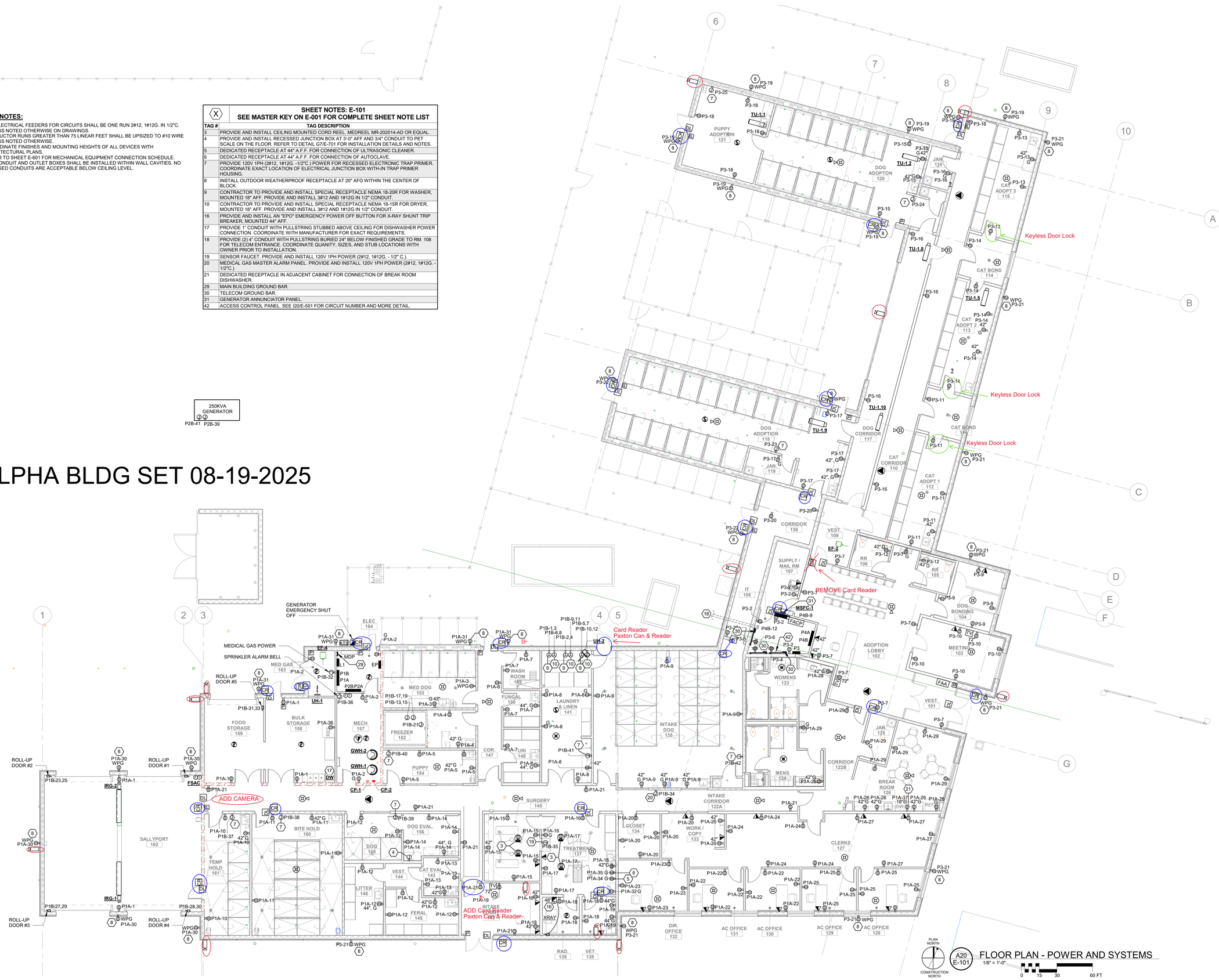
1. ALL ELECTRICAL FEEDERS FOR CIRCUITS SHALL BE ONE RUN 2#12, 1#12G. IN 1/2"C. UNLESS NOTED OTHERWISE ON DRAWINGS.
2. CONDUCTOR RUNS GREATER THAN 75 LINEAR FEET SHALL BE UPSIZED TO #10 WIRE UNLESS NOTED OTHERWISE.
3. COORDINATE FINISHES AND MOUNTING HEIGHTS OF ALL DEVICES WITH ARCHITECTURAL PLANS.
4. REFER TO SHEET E-601 FOR MECHANICAL EQUIPMENT CONNECTION SCHEDULE.
5. ALL CONDUIT AND OUTLET BOXES SHALL BE INSTALLED WITHIN WALL CAVITIES. NO EXPOSED CONDUITS ARE ACCEPTABLE BELOW CEILING LEVEL.

SHEET NOTES: E-101
SEE MASTER KEY ON E-001 FOR COMPLETE SHEET NOTE LIST

TAG #	TAG DESCRIPTION
3	PROVIDE AND INSTALL CEILING MOUNTED CORD REEL. MEDREEL MR-202014-AD OR EQUAL.
4	PROVIDE AND INSTALL RECESSED JUNCTION BOX AT 3'-0" AFF AND 3/4" CONDUIT TO PET SCALE ON THE FLOOR. REFER TO DETAIL G7/E-701 FOR INSTALLATION DETAILS AND NOTES.
5	DEDICATED RECEPTACLE AT 44" A.F.F. FOR CONNECTION OF ULTRASONIC CLEANER.
6	DEDICATED RECEPTACLE AT 44" A.F.F. FOR CONNECTION OF AUTOCLAVE.
7	PROVIDE 120V 1PH (2#12, 1#12G. -1/2"C.) POWER FOR RECESSED ELECTRONIC TRAP PRIMER. COORDINATE EXACT LOCATION OF ELECTRICAL JUNCTION BOX WITH-IN TRAP PRIMER HOUSING.
8	INSTALL OUTDOOR WEATHERPROOF RECEPTACLE AT 20" AFG WITHIN THE CENTER OF BLOCK.
9	CONTRACTOR TO PROVIDE AND INSTALL SPECIAL RECEPTACLE NEMA 18-20R FOR WASHER, MOUNTED 18" AFF. PROVIDE AND INSTALL 3#12 AND 1#12G IN 1/2" CONDUIT.
10	CONTRACTOR TO PROVIDE AND INSTALL SPECIAL RECEPTACLE NEMA 18-15R FOR DRYER, MOUNTED 18" AFF. PROVIDE AND INSTALL 3#12 AND 1#12G IN 1/2" CONDUIT.
16	PROVIDE AND INSTALL AN "EPO" EMERGENCY POWER OFF BUTTON FOR X-RAY SHUNT TRIP BREAKER, MOUNTED 44" AFF.
17	PROVIDE 1" CONDUIT WITH PULLSTRING STUBBED ABOVE CEILING FOR DISHWASHER POWER CONNECTION. COORDINATE WITH MANUFACTURER FOR EXACT REQUIREMENTS.
18	PROVIDE (2) 4" CONDUIT WITH PULLSTRING BURIED 24" BELOW FINISHED GRADE TO RM. 108 FOR TELECOM ENTRANCE. COORDINATE QUANITY, SIZES, AND STUB LOCATIONS WITH OWNER PRIOR TO INSTALLATION.
19	SENSOR FAUCET. PROVIDE AND INSTALL 120V 1PH POWER (2#12, 1#12G. - 1/2" C.).
20	MEDICAL GAS MASTER ALARM PANEL. PROVIDE AND INSTALL 120V 1PH POWER (2#12, 1#12G. - 1/2"C.)
21	DEDICATED RECEPTACLE IN ADJACENT CABINET FOR CONNECTION OF BREAK ROOM DISHWASHER.
29	MAIN BUILDING GROUND BAR.
30	TELECOM GROUND BAR.
31	GENERATOR ANNUNCIATOR PANEL.
42	ACCESS CONTROL PANEL. SEE I20/E-501 FOR CIRCUIT NUMBER AND MORE DETAIL.

250KVA GENERATOR
P2B-41 P2B-39

ALPHA BLDG SET 08-19-2025



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PLAN NORTH
CONSTRUCTION NORTH

A20 / E-101 FLOOR PLAN - POWER AND SYSTEMS
1/8" = 1'-0"
0 15 30 60 FT

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No.	Date	Description
0	2024-07-08	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

DRAWN: LRJ
CHECKED: RER

SHEET TITLE
FLOOR PLAN - POWER AND SYSTEMS

SHEET NO.
E-101

THIS SHEET PLOTS ON 42" X 30"

GENERAL NOTES:

1. ALL ELECTRICAL FEEDERS FOR CIRCUITS SHALL BE ONE RUN 2#12, 1#12G. IN 1/2"C. UNLESS NOTED OTHERWISE ON DRAWINGS.
2. CONDUCTOR RUNS GREATER THAN 75 LINEAR FEET SHALL BE UPSIZED TO #10 WIRE UNLESS NOTED OTHERWISE.
3. COORDINATE FINISHES AND MOUNTING HEIGHTS OF ALL DEVICES WITH ARCHITECTURAL PLANS.
4. REFER TO SHEET E-601 FOR MECHANICAL EQUIPMENT CONNECTION SCHEDULE.
5. ALL CONDUIT AND OUTLET BOXES SHALL BE INSTALLED WITHIN WALL CAVITIES. NO EXPOSED CONDUITS ARE ACCEPTABLE BELOW CEILING LEVEL.

SHEET NOTES: E-101
SEE MASTER KEY ON E-001 FOR COMPLETE SHEET NOTE LIST

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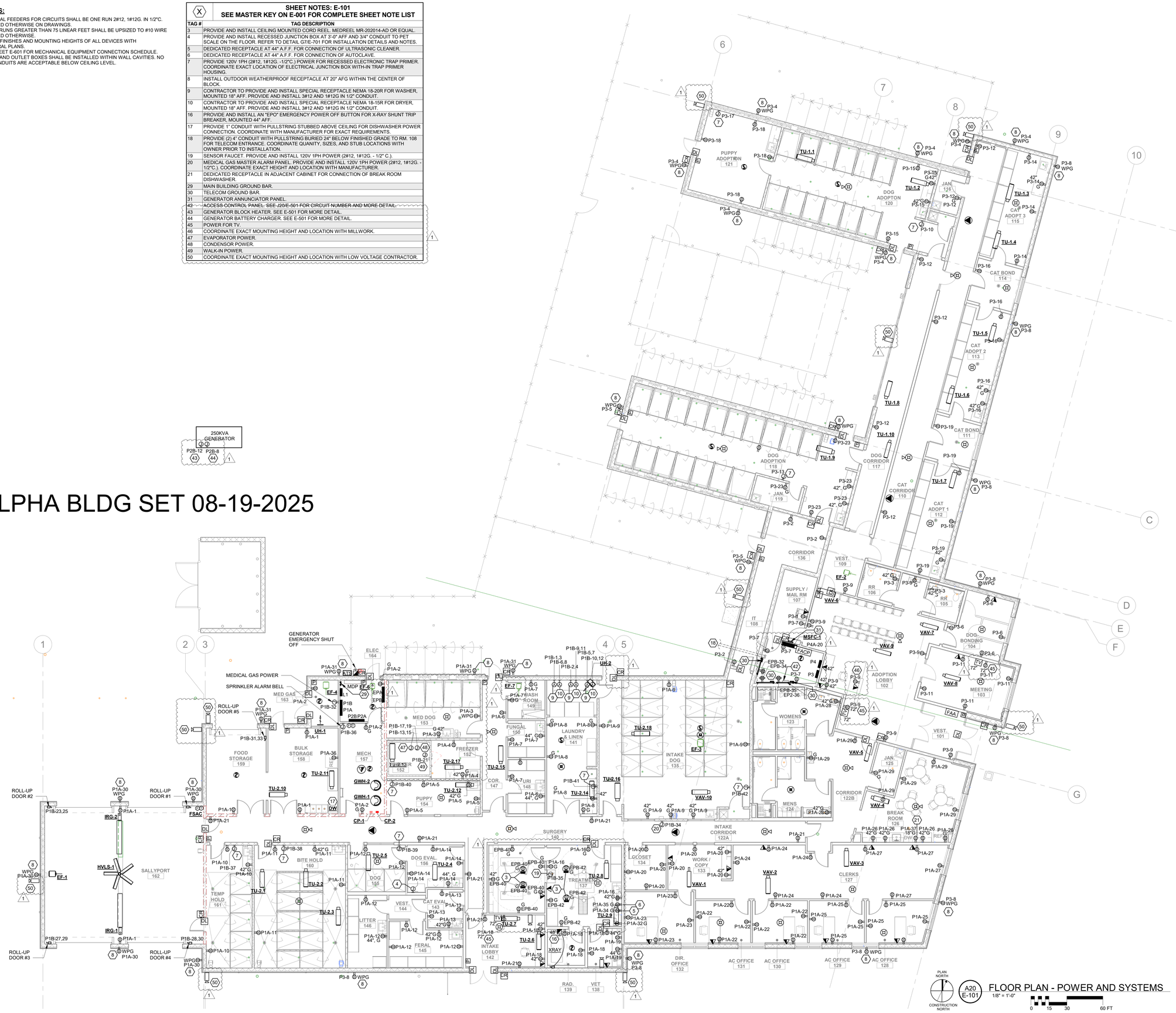
21	DEDICATED RECEPTACLE IN ADJACENT CABINET FOR CONNECTION OF BREAK ROOM DISHWASHER.
29	MAIN BUILDING GROUND BAR.
30	TELECOM GROUND BAR.
31	GENERATOR ANNUNCIATOR PANEL.
42	~~ACCESS CONTROL PANEL. SEE J20/E-501 FOR CIRCUIT NUMBER AND MORE DETAIL.~~
43	GENERATOR BLOCK HEATER. SEE E-501 FOR MORE DETAIL.
44	GENERATOR BATTERY CHARGER. SEE E-501 FOR MORE DETAIL.
45	POWER FOR TV.
46	COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH MILLWORK.
47	EVAPORATOR POWER.
48	CONDENSOR POWER.
49	WALK-IN POWER.
50	COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH LOW VOLTAGE CONTRACTOR.

250KVA GENERATOR
P2B-12 P2B-8
43 44 1

ALPHA BLDG SET 08-19-2025



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GEORGIA REGISTERED No. 34341 PROFESSIONAL ENGINEER ROBBIE E. RAHN
03/07/2025

Georgia COA: CROFT
Authorization No.: PEF007438
Expires: 06/02/2026

OWNER

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HABERSHAM COUNTY ANIMAL SHELTER

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No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-07-08	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

DRAWN: LRJ
CHECKED: RER

SHEET TITLE
FLOOR PLAN - POWER AND SYSTEMS

SHEET NO.
E-101

PLAN NORTH
CONSTRUCTION NORTH

A20 / E-101 FLOOR PLAN - POWER AND SYSTEMS
1/8" = 1'-0"
0 15 30 60 FT

THIS SHEET PLOTS ON 42" X 30"

3" 2" 1" 1/2" 0

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ALPHA BLDG SET 08-19-2025

A1 E-102 ROOF PLAN - ELECTRICAL

1/8" = 1'-0"

0 5 10 25 FT

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	ISSUANCE	

PROJECT NUMBER
2022-313

DRAWN: LRJ
CHECKED: RER

SHEET TITLE
ROOF PLAN - ELECTRICAL

SHEET NO.
E-102
1

THIS SHEET PLOTS ON 42" X 30"

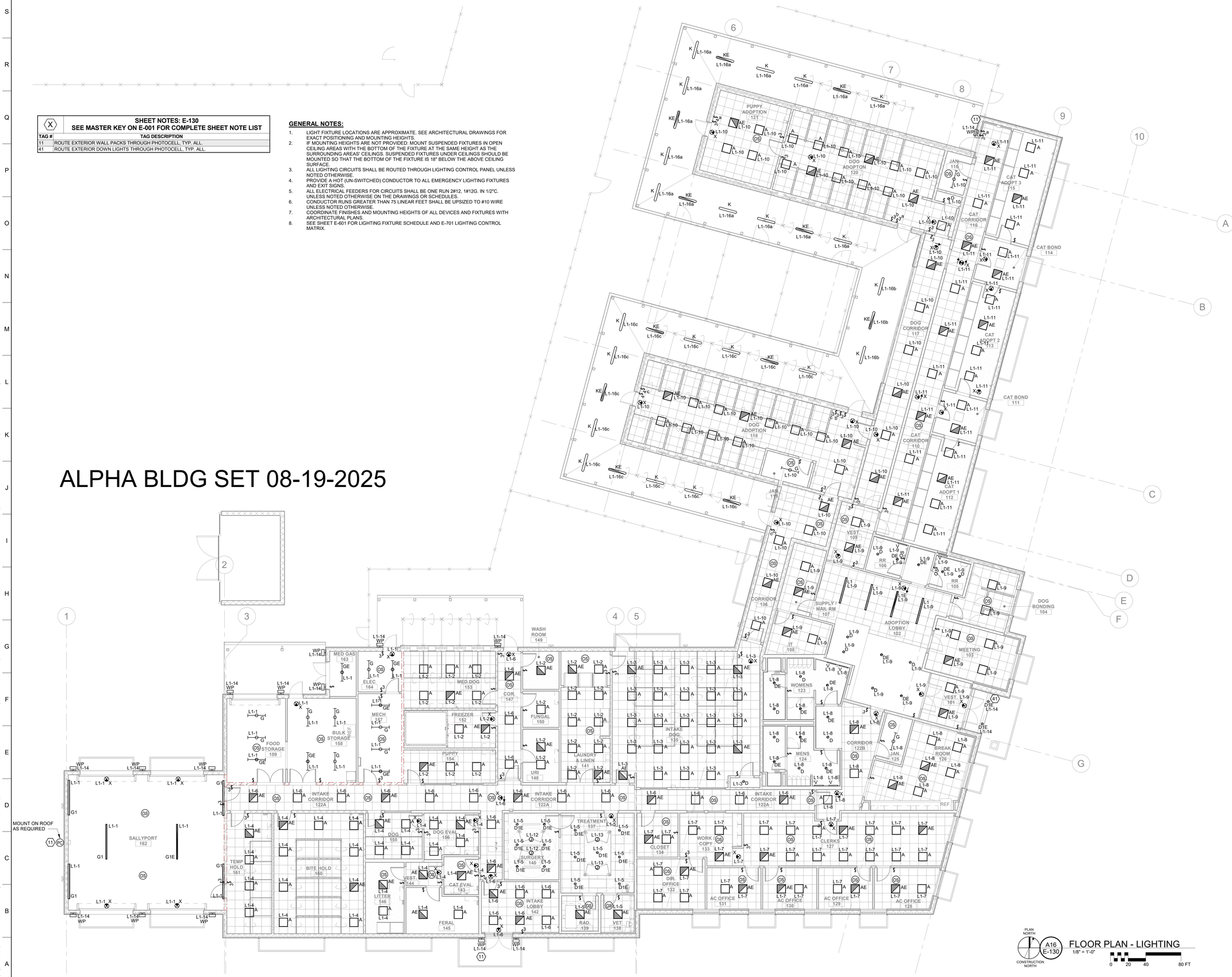
X	**SHEET NOTES: E-130** **SEE MASTER KEY ON E-001 FOR COMPLETE SHEET NOTE LIST**

TAG #	TAG DESCRIPTION
11	ROUTE EXTERIOR WALL PACKS THROUGH PHOTOCELL, TYP. ALL.
41	ROUTE EXTERIOR DOWN LIGHTS THROUGH PHOTOCELL, TYP. ALL.

GENERAL NOTES:

1. LIGHT FIXTURE LOCATIONS ARE APPROXIMATE. SEE ARCHITECTURAL DRAWINGS FOR EXACT POSITIONING AND MOUNTING HEIGHTS.
2. IF MOUNTING HEIGHTS ARE NOT PROVIDED: MOUNT SUSPENDED FIXTURES IN OPEN CEILING AREAS WITH THE BOTTOM OF THE FIXTURE AT THE SAME HEIGHT AS THE SURROUNDING AREAS' CEILINGS. SUSPENDED FIXTURES UNDER CEILINGS SHOULD BE MOUNTED SO THAT THE BOTTOM OF THE FIXTURE IS 18" BELOW THE ABOVE CEILING SURFACE.
3. ALL LIGHTING CIRCUITS SHALL BE ROUTED THROUGH LIGHTING CONTROL PANEL UNLESS NOTED OTHERWISE.
4. PROVIDE A HOT (UN-SWITCHED) CONDUCTOR TO ALL EMERGENCY LIGHTING FIXTURES AND EXIT SIGNS.
5. ALL ELECTRICAL FEEDERS FOR CIRCUITS SHALL BE ONE RUN 2#12, 1#12G. IN 1/2"C. UNLESS NOTED OTHERWISE ON THE DRAWINGS OR SCHEDULES.
6. CONDUCTOR RUNS GREATER THAN 75 LINEAR FEET SHALL BE UPSIZED TO #10 WIRE UNLESS NOTED OTHERWISE.
7. COORDINATE FINISHES AND MOUNTING HEIGHTS OF ALL DEVICES AND FIXTURES WITH ARCHITECTURAL PLANS.
8. SEE SHEET E-601 FOR LIGHTING FIXTURE SCHEDULE AND E-701 LIGHTING CONTROL MATRIX.

ALPHA BLDG SET 08-19-2025



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No.	Date	Description
0	2024-07-08	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

DRAWN: LRJ
CHECKED: RER

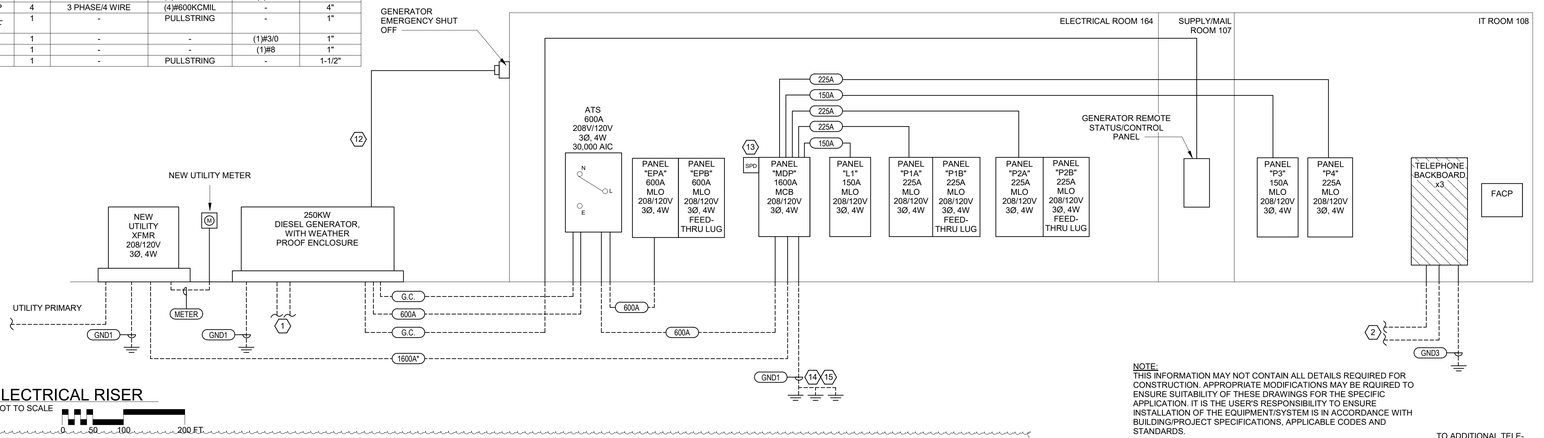
SHEET TITLE
FLOOR PLAN - LIGHTING

SHEET NO.
E-130

THIS SHEET PLOTS ON 42" X 30"

CONDUCTOR SCHEDULE

MARK	CAPACITY	SETS	PHASE/WIRE	WIRE	EQUIP GND	CONDUIT
150A	150 AMP	1	3 PHASE/4 WIRE	(4)#1/0	(1)#6	2"
225A	225 AMP	1	3 PHASE/4 WIRE	(4)#4/0	(1)#4	2-1/2"
600A	600 AMP	2	3 PHASE/4 WIRE	(4)#350KCMIL	(1)#1	3"
1600A*	1600 AMP	4	3 PHASE/4 WIRE	(4)#600KCMIL	-	4"
G.C.	CONTROL CONDUIT	1	-	PULLSTRING	-	1"
GND1	-	1	-	-	(1)#3/0	1"
GND3	-	1	-	-	(1)#8	1"
METER	-	1	-	PULLSTRING	-	1-1/2"



N1 / E-501 ELECTRICAL RISER
NOT TO SCALE
0 50 100 200 FT.

NOTE:
THIS INFORMATION MAY NOT CONTAIN ALL DETAILS REQUIRED FOR CONSTRUCTION. APPROPRIATE MODIFICATIONS MAY BE REQUIRED TO ENSURE SUITABILITY OF THESE DRAWINGS FOR THE SPECIFIC APPLICATION. IT IS THE USER'S RESPONSIBILITY TO ENSURE INSTALLATION OF THE EQUIPMENT/SYSTEM IS IN ACCORDANCE WITH BUILDING/PROJECT SPECIFICATIONS, APPLICABLE CODES AND STANDARDS.

NOTES:
1. REFER TO BUILDING GROUNDING ELECTRODE SYSTEM DETAIL FOR EXACT CONFIGURATION.

F1 / E-501 BUILDING ELECTRICAL SYSTEM GROUND BUS
NOT TO SCALE

NOTE:
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WALL ANCHOR SUITABLE FOR WALL CONSTRUCTION (TYPICAL).

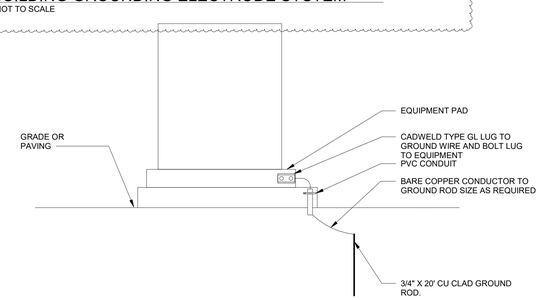
NOTES:
1. ADDITIONAL GROUND CONNECTIONS SHALL BE BY TELECOMMUNICATIONS EQUIPMENT INSTALLER.

F8 / E-501 BUILDING TELECOMMUNICATION SYSTEM GROUND BUS
NOT TO SCALE

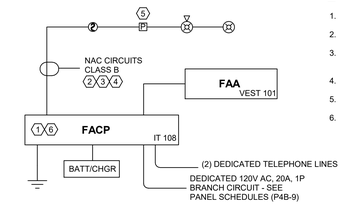
NOTE:
THIS INFORMATION MAY NOT CONTAIN ALL DETAILS REQUIRED FOR CONSTRUCTION. APPROPRIATE MODIFICATIONS MAY BE REQUIRED TO ENSURE SUITABILITY OF THESE DRAWINGS FOR THE SPECIFIC APPLICATION. IT IS THE USER'S RESPONSIBILITY TO ENSURE INSTALLATION OF THE EQUIPMENT/SYSTEM IS IN ACCORDANCE WITH BUILDING/PROJECT SPECIFICATIONS, APPLICABLE CODES AND STANDARDS.

LEGEND:
- ● INDICATES BOLTED CONNECTION.
- ■ INDICATES EXOTHERMIC WELD CONNECTION, COMPATIBLE WITH MATERIALS BEING JOINED.
- (1) 1/0 AWG INSULATED COPPER GROUND CONDUCTOR IN 30mm CONDUIT.
- (2) 1/0 AWG BARE COPPER GROUND CONDUCTOR.
- (3) 3/4" x 10'-0" LONG COPPER-CLAD GROUND ROD DRIVEN WITH TOP 12" BELOW GRADE.
- (4) #4 AWG COPPER IN 3/4" CONDUIT.

J13 / E-501 BUILDING GROUNDING ELECTRODE SYSTEM
NOT TO SCALE



F14 / E-501 PAD MOUNTED EQUIPMENT GROUNDING DETAIL
NOT TO SCALE



FIRE ALARM RISER KEY NOTES:

1. PROVIDE ADDRESSABLE FIRE ALARM CONTROL PANEL (FACP) AND FIELD DEVICES.
2. PROVIDE CLASS B FOR NAC CIRCUITS; CLASS B, FOR SLC CIRCUITS; CLASS B, FOR IDC CIRCUITS.
3. CONTRACTOR SHALL VERIFY NAC LOADS WITH EQUIPMENT MANUFACTURER TO ENSURE THAT CIRCUIT CAPACITY OF NAC OUTPUT IS NOT EXCEEDED.
4. ROUTE ALL CABLING IN CONDUIT IN WALLS, UNDERGROUND, AND CONCEALED SPACES.
5. REFER TO SHEET E-101 PLANS FOR EQUIPMENT AND DEVICE LOCATIONS.
6. PROVIDE #2 AWG GREEN INSULATED GROUND CONDUCTOR IN 3/4" EMT TO SERVICE GROUND.

A1 / E-501 FIRE ALARM RISER
NOT TO SCALE

LOW VOLTAGE RISER KEY NOTES:

1. PROVIDE AND INSTALL (2) 4" PVC CONDUITS TO SITE COMMUNICATIONS SERVICE DEMARC.
2. 4' BY 8' BY 3/4" FIRE RETARDANT PLYWOOD BACKBOARD FOR TELECOM EQUIPMENT.
3. 2" BY 10" BY 1/4" THICK SOLID COPPER TELECOM MAIN GROUND BAR. CONNECT TO BUILDING SERVICE GROUND WITH #6 INSULATED COPPER GROUND CONDUCTOR IN 3/4" CONDUIT TO BUILDING GROUND.
4. DATA OUTLET, LOCATED AS INDICATED ON FLOOR PLANS, WITH (2) DATA CAT6 CABLE PER OUTLET (PROVIDED BY OTHERS.) CABLE TO BE IN 3/4" CONDUIT TO ABOVE CEILING LEVEL THEN ROUTED ALONG J-HOOKS TO CLOSEST TELECOM/DATA BACKBOARD. CABLING AND DEVICES PROVIDED AND INSTALLED BY OTHERS. PROVIDE PULL STRINGS IN CONDUITS AND DEVICE ROUGH-INS.
5. CEILING DATA OUTLETS AND WIRELESS ACCESS POINT, LOCATED AS INDICATED ON FLOOR PLANS, WITH (2) CAT6 DATA CABLE PER LOCATION (PROVIDED BY OTHERS). CABLES TO BE ROUTED ABOVE CEILING LEVEL ALONG J-HOOKS TO CLOSEST DATA CLOSET LOCATION. CABLING AND DEVICES PROVIDED AND INSTALLED BY OTHERS. PROVIDE PULLSTRINGS IN CONDUITS AND DEVICE ROUGH-INS.
6. WALL MOUNTED RACK, PROVIDED AND INSTALLED BY OWNER. PROVIDE POWER DISTRIBUTION STRIP ALONG VERTICAL BACK SIDE FOR EQUIPMENT CONNECTIONS. SWITCHES AND OTHER IT EQUIPMENT SHALL BE PROVIDED AND INSTALLED BY OWNER.
7. 2U FIBER CONNECTOR PANEL PROIVDED AND INSTALLED BY OWNER.
8. ACCESS CONTROL SYSTEM WALL MOUNTED CONTROL UNIT. PROVIDED AND INSTALLED BY OTHERS. PROVIDE 120V FEEDER TO POWER THE PANEL.
9. PROVIDE AND INSTALL 1" CONDUIT WITH PULL STRING WITHIN WALLS IF APPLICABLE. PROVIDE JUNCTION BOX FOR DEVICE.
10. PROVIDE AND INSTALL CCTV CAMERAS AND CAT6 CABLE TO IT - 108. CAMERA AND CABLES PROVIDED BY OTHERS.
11. WALL HTMI OUTLETS. LOCATE AS INDICATED ON FLOOR PLANS. PROVIDE PULLSTRINGS IN 1" CONDUITS AND DEVICE ROUGH-INS. DEVICES AND CABLING PROVIDED BY OTHERS.

J10 / E-501 LOW VOLTAGE RISER
NOT TO SCALE

GENERAL NOTES:

1. MARK ALL EMPTY CONDUITS AND SLEEVES AT START AND TERMINATION WITH IDENTIFICATION TAGS TO INDICATE POWER SOURCE AND DESTINATION.
2. ALL FUSES TO BE UL SERIES RATED WITH SPECIFIC DOWNSTREAM BREAKERS. SUBMIT INFORMATION WITH SHOP DRAWINGS FOR ENGINEER'S REVIEW.
3. CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE NEW ELECTRICAL EQUIPMENT IN BUILDING AND SHALL MAINTAIN WORKING CLEARANCES.
4. PROVIDE FAULT CURRENT SIGN ON ALL NEW EQUIPMENT PER NEC 110.24.
5. MARK ALL PANELS TO INDICATE WHERE THE POWER SUPPLY ORIGINATES PER NEC 408.4(B).
6. ALL PANELS SHALL BE 42-POLE CONFIGURATION UNLESS NOTED OTHERWISE.
7. REFER TO PANELBOARD SCHEDULES FOR ADDITIONAL INFORMATION.
8. HALFTONED PORTION OF RISER IS SHOWN FOR REFERENCE ONLY AND DENOTES EXISTING/OUT OF SCOPE EQUIPMENT.

SHEET NOTES: E-501
SEE MASTER KEY ON E-001 FOR COMPLETE SHEET NOTE LIST

TAG #	TAG DESCRIPTION
1	BATTERY CHARGER AND BLOCK HEATER CIRCUITS ROUTED UNDERGROUND TO ELECTRICAL ROOM.
2	PROVIDE (2) 4" CONDUITS WITH PULLSTRING ROUTED UNDERGROUND AND STUBBED UP IN IT ROOM 108.
12	WIRING AND CONDUIT PER REMOTE SHUT OFF MANUFACTURER RECOMMENDATIONS.
13	PROVIDE AND INSTALL SURGE PROTECTION DEVICE (SQUARE D # SSP-02-EMA-12, OR EQUAL). COORDINATE EXACT WIRING REQUIREMENTS WITH MANUFACTURER.
14	SERVICE GROUND. SEE DETAIL (F1/E-501) AND (K14/E-501).
15	GROUND ROD ELECTRODE(S): PROVIDE (3) ELECTRODES IN AN QUADRILATERAL TRIANGLE CONFIGURATION UNLESS OTHERWISE INDICATED OR REQUIRED. SPACE ELECTRODES NOT LESS THAN (10'-0") FROM EACH OTHER AND ANY OTHER GROUND ELECTRODE. LOCATE ELECTRODE(S) AT LEAST (5'-0") OUTSIDE THE BUILDNIG PERIMETER FOUNDATION AS NEAR AS POSSIBLE TO ELECTRICAL SERVICE ENTRANCE; WHERE POSSIBLE, LOCATE IN SOFTSCAPE (UNCOVERED) AREA.

NOTE: ACCESS CONTROL PANEL, AND DEVICES PROVIDED AND INSTALLED BY OTHERS. ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AND WIRES FOR ACCESS CONTROL PANEL, AND CONDUIT AND BOXES FOR DEVICES.

J20 / E-501 ACCESS CONTROL DETECTION RISER
NOT TO SCALE

ALPHA BLDG SET 08-19-2025

CROFT

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GEORGIA REGISTERED No. 34364 PROFESSIONAL ENGINEER ROBBIE E. RAHN
03/07/2025

Georgia COA: CROFT
Authorization No.: PEF007438
Expires: 06/02/2026

OWNER

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30523

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CORNELIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-07-08	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

DRAWN: LRJ
CHECKED: RER

SHEET TITLE
ELECTRICAL RISER

SHEET NO.
E-501

3/7/2025 11:23:46 AM
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EQUIPMENT CONNECTION SCHEDULE

EQUIPMENT TAG	DESCRIPTION	VOLTAGE	PHASE	FEEDER	DISCONNECT	WATTS	HP	FLA	MCA	MOCP	CIRCUIT	COMMENTS
CP-1	CIRCULATION PUMP	120 V	1	1 SET(S) OF 2#12 AWG, 1#12 AWG G. - 1/2"C.	1 POLE MOTOR RATED SWITCH			5.4 A	6.8 A	15 A	P2B-13	
~~CP-2~~	~~CIRCULATION PUMP~~	~~120 V~~	~~1~~	~~1 SET(S) OF 2#12 AWG, 1#12 AWG G. - 1/2"C.~~	~~1 POLE MOTOR RATED SWITCH~~			~~5.4 A~~	~~6.8 A~~	~~15 A~~	~~P2B-18~~	
DOAS-1 (CIRCUIT 1)	DEDICATED OUTDOOR SYSTEM	208 V	3	1 SET(S) OF 3#1 AWG, 1#6 AWG G. - 1 1/4"C.	200A/3P/NF/NEMA 3R			114.0 A	125.0 A	150 A	MDP-14,16,18	
DOAS-1 (CIRCUIT 2)	DEDICATED OUTDOOR SYSTEM	208 V	3	1 SET(S) OF 3#4 AWG, 1#8 AWG G. - 1"C.	100A/3P/NF/NEMA 3R			65.0 A	72.0 A	100 A	EPB-25,27,29	
DOAS-2 (CIRCUIT 1)	DEDICATED OUTDOOR SYSTEM	208 V	3	1 SET(S) OF 3#3/0 AWG, 1#6 AWG G. - 2"C.	200A/3P/NF/NEMA 3R			173.0 A	181.0 A	200 A	MDP-20,22,24	
DOAS-2 (CIRCUIT 2)	DEDICATED OUTDOOR SYSTEM	208 V	3	1 SET(S) OF 3#3 AWG, 1#6 AWG G. - 1"C.	200A/3P/NF/NEMA 3R			76.0 A	88.0 A	125 A	EPB-26,28,30	
DW	COMMERCIAL DISHWASHER	208 V	1	1 SET(S) OF 2#8 AWG, 1#10 AWG G. - 3/4"C.	40A/3P/NF/NEMA 1			31.7 A	39.6 A	40 A	P1B-14,16	
EF-1	EXHAUST FAN	120 V	1	1 SET(S) OF 2#12 AWG, 1#12 AWG G. - 1/2"C.	1 POLE MOTOR RATED SWITCH			3.8 A	4.8 A	15 A	P2B-7	
EF-2	EXHAUST FAN	120 V	1	1 SET(S) OF 2#12 AWG, 1#12 AWG G. - 1/2"C.	1 POLE MOTOR RATED SWITCH			4.4 A	5.5 A	15 A	P4-22	
EF-3	EXHAUST FAN	120 V	1	1 SET(S) OF 2#12 AWG, 1#12 AWG G. - 1/2"C.	1 POLE MOTOR RATED SWITCH			3.3 A	4.1 A	15 A	P2B-6	
EF-4	EXHAUST FAN	120 V	1	1 SET(S) OF 2#12 AWG, 1#12 AWG G. - 1/2"C.	1 POLE MOTOR RATED SWITCH			3.8 A	4.8 A	15 A	P2B-11	
EF-5	EXHAUST FAN	120 V	1	1 SET(S) OF 2#10 AWG, 1#10 AWG G. - 1/2"C.	1 POLE MOTOR RATED SWITCH			13.0 A	16.3 A	25 A	P2B-14	
EF-6	EXHAUST FAN	120 V	1	1 SET(S) OF 2#12 AWG, 1#12 AWG G. - 1/2"C.	1 POLE MOTOR RATED SWITCH			4.4 A	5.5 A	15 A	P2B-17	
EF-7	EXHAUST FAN	120 V	1	1 SET(S) OF 2#12 AWG, 1#12 AWG G. - 1/2"C.	1 POLE MOTOR RATED SWITCH			4.4 A	5.5 A	15 A	P2B-10	
~~FSAC~~	~~FIRE SYSTEMS AIR COMPRESSOR~~	~~120 V~~	~~1~~	~~1 SET(S) OF 2#12 AWG, 1#12 AWG G. - 1/2"C.~~	~~1 POLE MOTOR RATED SWITCH~~	~~777.6 W~~	~~0.50 hp~~	~~7.2 A~~	~~9.0 A~~	~~15 A~~	~~P2B-23~~	
GWH-1	GAS WATER HEATER	120 V	1	1 SET(S) OF 2#12 AWG, 1#12 AWG G. - 1/2"C.	1 POLE MOTOR RATED SWITCH			2.3 A	2.9 A	15 A	P2B-3	
GWH-2	GAS WATER HEATER	120 V	1	1 SET(S) OF 2#12 AWG, 1#12 AWG G. - 1/2"C.	1 POLE MOTOR RATED SWITCH			2.3 A	2.9 A	15 A	P2B-5	
HVLS-1	HIGH VOLUME LOW SPEED FAN	120 V	1	1 SET(S) OF 2#12 AWG, 1#12 AWG G. - 1/2"C.	1 POLE MOTOR RATED SWITCH		0.07 hp	1.8 A	2.3 A	15 A	P2B-1	
IRG-1	GAS HEATER	120 V	1	1 SET(S) OF 2#12 AWG, 1#12 AWG G. - 1/2"C.	1 POLE MOTOR RATED SWITCH			2.6 A	3.3 A	15 A	P2B-2	
IRG-2	GAS HEATER	120 V	1	1 SET(S) OF 2#12 AWG, 1#12 AWG G. - 1/2"C.	1 POLE MOTOR RATED SWITCH			2.6 A	3.3 A	15 A	P2B-4	
MSCU-1, MSFC-1	MINI SPLIT CONDENSING UNIT	208 V	1	1 SET(S) OF 2#10 AWG, 1#10 AWG G. - 1/2"C.	1 POLE MOTOR RATED SWITCH			19.0 A	19.0 A	30 A	EPB-31,33	INDOOR UNIT FED FROM OUTDOOR UNIT.
~~RTU-1~~	~~ROOF TOP UNIT~~	~~208 V~~	~~3~~	~~1 SET(S) OF 3#1 AWG, 1#6 AWG G. - 1 1/4"C.~~	~~200A/3P/NF/NEMA 3R~~			~~82.0 A~~	~~102.5 A~~	~~110 A~~	~~P4-24,26,28~~	
TU-1.1	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#12 AWG, 1#12 AWG G. - 1/2"C.	30A/3P/NF/NEMA 1	4500.0 W		12.5 A	15.6 A	20 A	EPA-1,3,5	
TU-1.2	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#10 AWG, 1#10 AWG G. - 1/2"C.	60A/3P/NF/NEMA 1	7500.0 W		20.8 A	26.0 A	30 A	EPA-7,9,11	
TU-1.3	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#10 AWG, 1#10 AWG G. - 1/2"C.	30A/3P/NF/NEMA 1	7000.0 W		19.4 A	24.3 A	25 A	EPA-2,4,6	
TU-1.4	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#12 AWG, 1#12 AWG G. - 1/2"C.	30A/3P/NF/NEMA 1	5500.0 W		15.3 A	19.1 A	20 A	EPA-8,10,12	
TU-1.5	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#12 AWG, 1#12 AWG G. - 1/2"C.	30A/3P/NF/NEMA 1	5500.0 W		15.3 A	19.1 A	20 A	EPA-13,15,17	
TU-1.6	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#12 AWG, 1#12 AWG G. - 1/2"C.	30A/3P/NF/NEMA 1	4000.0 W		11.1 A	13.9 A	15 A	EPA-14,16,18	
TU-1.7	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#12 AWG, 1#12 AWG G. - 1/2"C.	30A/3P/NF/NEMA 1	5500.0 W		15.3 A	19.2 A	20 A	EPA-19,21,23	
TU-1.8	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#12 AWG, 1#12 AWG G. - 1/2"C.	30A/3P/NF/NEMA 1	4500.0 W		12.5 A	15.6 A	20 A	EPA-20,22,24	
TU-1.9	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#8 AWG, 1#10 AWG G. - 3/4"C.	60A/3P/NF/NEMA 1	12500.0 W		36.1 A	45.1 A	50 A	EPA-25,27,29	
TU-1.10	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#12 AWG, 1#12 AWG G. - 1/2"C.	30A/3P/NF/NEMA 1	3000.0 W		8.3 A	10.4 A	15 A	EPA-26,28,30	
TU-2.1	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#12 AWG, 1#12 AWG G. - 1/2"C.	30A/3P/NF/NEMA 1	5000.0 W		13.9 A	17.4 A	20 A	EPB-8,10,12	
TU-2.2	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#10 AWG, 1#10 AWG G. - 1/2"C.	60A/3P/NF/NEMA 1	6500.0 W		18.0 A	22.6 A	25 A	EPB-13,15,17	
TU-2.3	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#10 AWG, 1#10 AWG G. - 1/2"C.	60A/3P/NF/NEMA 1	6500.0 W		18.0 A	22.6 A	25 A	EPB-14,16,18	
TU-2.4	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#12 AWG, 1#12 AWG G. - 1/2"C.	30A/3P/NF/NEMA 1	1500.0 W		5.6 A	6.9 A	15 A	EPB-20,22,24	
TU-2.5	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#12 AWG, 1#12 AWG G. - 1/2"C.	30A/3P/NF/NEMA 1	4500.0 W		12.5 A	15.6 A	20 A	EPB-19,21,23	
TU-2.6	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#12 AWG, 1#12 AWG G. - 1/2"C.	30A/3P/NF/NEMA 1	1500.0 W		5.6 A	6.9 A	15 A	P2A-1,3,5	
TU-2.7	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#12 AWG, 1#12 AWG G. - 1/2"C.	30A/3P/NF/NEMA 1	2500.0 W		8.3 A	10.4 A	15 A	P2A-8,10,12	
TU-2.8	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#12 AWG, 1#12 AWG G. - 1/2"C.	30A/3P/NF/NEMA 1	3500.0 W		11.1 A	13.9 A	15 A	P2A-14,16,18	
TU-2.9	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#12 AWG, 1#12 AWG G. - 1/2"C.	30A/3P/NF/NEMA 1	2500.0 W		6.9 A	8.7 A	15 A	P2A-13,15,17	
TU-2.10	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#12 AWG, 1#12 AWG G. - 1/2"C.	30A/3P/NF/NEMA 1	2000.0 W		5.6 A	6.9 A	15 A	P2A-2,4,6	
TU-2.11	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#12 AWG, 1#12 AWG G. - 1/2"C.	30A/3P/NF/NEMA 1	2500.0 W		6.9 A	8.7 A	15 A	P2A-7,9,11	
TU-2.12	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#12 AWG, 1#12 AWG G. - 1/2"C.	30A/3P/NF/NEMA 1	2000.0 W		5.6 A	6.9 A	15 A	EPA-38,40,42	
TU-2.13	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#12 AWG, 1#12 AWG G. - 1/2"C.	30A/3P/NF/NEMA 1	3500.0 W		9.7 A	12.1 A	15 A	EPB-2,4,6	
TU-2.14	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#12 AWG, 1#12 AWG G. - 1/2"C.	30A/3P/NF/NEMA 1	4500.0 W		12.5 A	15.6 A	20 A	EPA-37,39,41	
TU-2.15	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#12 AWG, 1#12 AWG G. - 1/2"C.	30A/3P/NF/NEMA 1	4000.0 W		12.5 A	15.6 A	20 A	EPB-7,9,11	
TU-2.16	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#8 AWG, 1#10 AWG G. - 3/4"C.	60A/3P/NF/NEMA 1	8000.0 W		25.0 A	31.2 A	35 A	EPA-32,34,36	
TU-2.17	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#12 AWG, 1#12 AWG G. - 1/2"C.	30A/3P/NF/NEMA 1	2000.0 W		5.6 A	6.9 A	15 A	EPB-1,3,5	
TU-2.18	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#10 AWG, 1#10 AWG G. - 1/2"C.	30A/3P/NF/NEMA 1	6500.0 W		18.0 A	22.6 A	25 A	EPA-31,33,35	
UH-1	UNIT HEATER	120 V	1	1 SET(S) OF 2#8 AWG, 1#10 AWG G. - 1/2"C.	60A/2P/NF/NEMA 1	4800.0 W		40.0 A	50.0 A	50 A	P2B-9	
UH-2	UNIT HEATER	208 V	3	1 SET(S) OF 3#6 AWG, 1#10 AWG G. - 3/4"C.	60A/3P/NF/NEMA 1	15000.0 W		41.6 A	57.8 A	60 A	P4-21,23,25	
VAV-1	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#12 AWG, 1#12 AWG G. - 1/2"C.	30A/3P/NF/NEMA 1	2000.0 W		5.6 A	6.9 A	15 A	P2B-20,22,24	
VAV-2	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#10 AWG, 1#10 AWG G. - 1/2"C.	60A/3P/NF/NEMA 1	6500.0 W		18.0 A	22.6 A	25 A	P2B-26,28,30	
VAV-3	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#10 AWG, 1#10 AWG G. - 1/2"C.	30A/3P/NF/NEMA 1	6500.0 W		18.0 A	22.6 A	25 A	P2B-31,33,35	
VAV-4	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#12 AWG, 1#12 AWG G. - 1/2"C.	30A/3P/NF/NEMA 1	5000.0 W		13.9 A	17.4 A	20 A	P2B-25,27,29	
VAV-5	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#12 AWG, 1#12 AWG G. - 1/2"C.	30A/3P/NF/NEMA 1	3000.0 W		9.7 A	12.1 A	15 A	P4-1,3,5	
VAV-6	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#12 AWG, 1#12 AWG G. - 1/2"C.	30A/3P/NF/NEMA 1	5000.0 W		13.9 A	17.4 A	20 A	P4-2,4,6	
VAV-7	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#12 AWG, 1#12 AWG G. - 1/2"C.	30A/3P/NF/NEMA 1	2000.0 W		6.9 A	8.7 A	15 A	P4-7,9,11	
VAV-8	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#12 AWG, 1#12 AWG G. - 1/2"C.	30A/3P/NF/NEMA 1	3000.0 W		9.7 A	12.1 A	15 A	P4-8,10,12	
VAV-9	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#12 AWG, 1#12 AWG G. - 1/2"C.	30A/3P/NF/NEMA 1	2500.0 W		6.9 A	8.7 A	15 A	P4-13,15,17	
VAV-10	TERMINAL UNITS	208 V	3	1 SET(S) OF 3#12 AWG, 1#12 AWG G. - 1/2"C.	30A/3P/NF/NEMA 1	5000.0 W		13.9 A	17.4 A	20 A	P4-14,16,18	
X-RAY	X-RAY MACHINE	208 V	1	1 SET(S) OF 2#1/0 AWG, 1#6 AWG G. - 1 1/2"C.	125A ENCLOSED CIRCUIT BREAKER WITH SHUNTTRIP			0.0 A	0.0 A	125 A	P2B-19,21	

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	MODEL	LAMP	LOAD	COMMENTS
A	2X2 LAYIN TROFFER	COOPER LIGHTING OR EQUAL	22FCZ2-24-44-S-UNV-L835-CD-1	LED	33 VA	
AE	2X2 LAYIN TROFFER, WITH EMERGENCY BACK-UP	COOPER LIGHTING OR EQUAL	22FCZ2-24-44-S-UNV-L835-CD-1	LED	33 VA	PROVIDE 90 MINUTE BACKUP BATTERY WITH ADDITIONAL UNSWITCHED HOT CONDUCTOR
D	6" RECESSED DOWNLIGHT	COOPER LIGHTING OR EQUAL	HC6-45-D010 HM6-4560-835 61-WD-W	LED	46 VA	
D1E	SURGICAL GRADE 6" RECESSED DOWNLIGHT, WITH EMERGENCY BACK-UP	COOPER LIGHTING OR EQUAL	FLD6CX/0R-50-D2W-D010 FEU6C/0R-4560-90-35 F6LCX/0R-M-1-MW	LED	58 VA	PROVIDE 90 MINUTE BACKUP BATTERY WITH ADDITIONAL UNSWITCHED HOT CONDUCTOR
DE	6" RECESSED DOWNLIGHT, WITH EMERGENCY BACK-UP	COOPER LIGHTING OR EQUAL	HC6-45-D010 HM6-4560-835 61-WD-W	LED	46 VA	PROVIDE 90 MINUTE BACKUP BATTERY WITH ADDITIONAL UNSWITCHED HOT CONDUCTOR
G	4' LINEAR STRIP LIGHT	COOPER LIGHTING OR EQUAL	4SNX-51SL-LW-UNV-L835-CD-1-U	LED	35 VA	
G1	8' LINEAR STRIP LIGHT	COOPER LIGHTING OR EQUAL	8SNX-66SL-LW-UNV-L835-CD-1-U	LED	42 VA	
G1E	8' LINEAR STRIP LIGHT, WITH EMERGENCY BACK-UP	COOPER LIGHTING OR EQUAL	8SNX-66SL-LW-UNV-L835-CD-1-U	LED	42 VA	PROVIDE 90 MINUTE BACKUP BATTERY WITH ADDITIONAL UNSWITCHED HOT CONDUCTOR
GE	4' LINEAR STRIP LIGHT, WITH EMERGENCY BACK-UP	COOPER LIGHTING OR EQUAL	4SNX-51SL-LW-UNV-L835-CD-1-U	LED	35 VA	PROVIDE 90 MINUTE BACKUP BATTERY WITH ADDITIONAL UNSWITCHED HOT CONDUCTOR
K	4' INDUSTRIAL LINEAR FIXTURE	COOPER LIGHTING OR EQUAL	4VT3-SL3C3-W-UNV	LED	38 VA	
KE	4' INDUSTRIAL LINEAR FIXTURE, WITH EMERGENCY BACK-UP	COOPER LIGHTING OR EQUAL	4VT3-SL3C3-W-UNV-EL10W	LED	38 VA	PROVIDE 90 MINUTE BACKUP BATTERY WITH ADDITIONAL UNSWITCHED HOT CONDUCTOR
L1	6' LINEAR RECESSED FIXTURE	FOCAL POINT OR EQUAL	FSM4L-FL-625LF-35K-1C-UNV-LD1-G1-WH-6FT0IN	LED	66 VA	
L1E	6' LINEAR RECESSED FIXTURE, WITH EMERGENCY BACK-UP	FOCAL POINT OR EQUAL	FSM4L-FL-625LF-35K-1C-UNV-LD1-G1-EC-WH-6FT0IN	LED	66 VA	PROVIDE 90 MINUTE BACKUP BATTERY WITH ADDITIONAL UNSWITCHED HOT CONDUCTOR
S1	25FT LED SITE POLE LIGHT	E-CONOLIGHT OR APPROVED EQUAL	C-AR-A-AL4-44L-4K-UL0BZ WITH E-PS6E27SDB	LED	400 VA	
V	VANITY LIGHT FIXTURE	EUREKA OR EQUAL	3408-LED-35-120V-DV-CHR-CFR	LED	30 VA	
~~WP~~	~~EXTERIOR WALL PACK~~	~~ELITE LIGHTING OR EQUAL~~	~~SCH8-LED-RGBW-LENGN-65K-18K-2000L-MVOLT-UWM-90+-BZ-WM-PELI-20-H HS-6501-CL-BK~~	~~LED~~	~~43 VA~~	~~PROVIDE 90 MINUTE BACKUP BATTERY WITH ADDITIONAL UNSWITCHED HOT CONDUCTOR~~
X	EXIT SIGN	COOPER LIGHTING OR EQUAL	ARCEL61G	LED	1 VA	PROVIDE 90 MINUTE BACKUP BATTERY WITH ADDITIONAL UNSWITCHED HOT CONDUCTOR

ALPHA BLDG SET 08-19-2025

THIS SHEET PLOTS ON 42" X 30"

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3/7/2025 11:24:17 AM

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GEORGIA REGISTERED No. 34341 PROFESSIONAL ENGINEER ROBBIE E. RAHN
03/07/2025

Georgia COA: CROFT
Authorization No.: PEF007438
Expires: 06/02/2026

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HABERSHAM COUNTY ANIMAL CONTROL
130 JACOBS WAY, SUITE 302
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30523

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CORNELIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-07-08	PERMIT SET
	ISSUANCE	

PROJECT NUMBER
2022-313

DRAWN: LRJ
CHECKED: RER

SHEET TITLE
ELECTRICAL SCHEDULES

SHEET NO.
E-601

THIS SHEET PLOTS ON 42" X 30"

Branch Panel: MDP

Location: ELEC 164
Supply From: UTILITY
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 30,000 A
Mains Type: MCB
Mains Rating: 1600 A
MCB Rating: 1600 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1				5.18 kVA 6.89 kVA						2
3	PANEL P3	150 A	3		5.36 kVA 10.29...		3	150 A	PANEL L1	4
5						5.36 kVA 6.73 kVA				6
7				16.92... 23.45...						8
9	PANEL P2A/P2B	225 A	3		18.69... 23.52...		3	225 A	PANEL P4	10
11						16.40... 23.00...				12
13				25.01... 13.69...						14
15	PANEL P1A/P1B	225 A	3		21.88... 13.69...		3	150 A	DOAS-1 (CIRCUIT 1)	16
17						20.49... 13.69...				18
19				63.72... 20.78...						20
21	PANEL EPA/EPB	600 A	3		63.05... 20.78...		3	200 A	DOAS-2 (CIRCUIT 1)	22
23						60.58... 20.78...				24
25	SPACE	--	1	-- --			1	--	SPACE	26
27	SPACE	--	1		-- --		1	--	SPACE	28
29	SPACE	--	1			-- --	1	--	SPACE	30
			Total Load:	173.43 kVA	174.88 kVA	164.53 kVA				
			Total Amps:	1445 A	1457 A	1371 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	1.18 kVA	100.00%	1.18 kVA	**Total Conn. Load:**	512.84 kVA
HVAC	187.69 kVA	100.00%	187.69 kVA	**Total Est. Demand:**	502.81 kVA
Heating	209.24 kVA	100.00%	209.24 kVA	**Total Conn.:**	1423.50 A
Motor	6.83 kVA	105.71%	7.22 kVA	**Total Est. Demand:**	1395.67 A
Receptacle	43.20 kVA	61.57%	26.60 kVA		
X-Ray	0.00 kVA	0.00%	0.00 kVA		
Power	45.02 kVA	100.00%	45.02 kVA		
Lighting	21.54 kVA	125.00%	26.93 kVA		

Notes:

Branch Panel: P1A

Location: ELEC 164
Supply From: MDP
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000 A
Mains Type: MLO
Mains Rating: 225 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	RECPT. RM - 158, 159, 162	20 A	1	0.90 kVA 0.72 kVA			1	20 A	RECPT. RM - 157, 163, 164	2
3	RECPT. RM - 151, 152	20 A	1		0.36 kVA 0.36 kVA		1	20 A	RECPT. RM - 153	4
5	RECPT. RM - 154	20 A	1			0.72 kVA 0.36 kVA	1	20 A	RECPT. RM - 147, 148	6
7	RECPT. RM - 149, 150	20 A	1	0.90 kVA 0.90 kVA			1	20 A	RECPT. RM - 141	8
9	RECPT. RM - 135	20 A	1		1.08 kVA 0.54 kVA		1	20 A	RECPT. RM 161	10
11	RECPT. RM - 160	20 A	1			0.72 kVA 1.44 kVA	1	20 A	RECPT. RM - 145, 146, 155	12
13	RECPT. RM - 143	20 A	1	0.72 kVA 1.22 kVA			1	20 A	RECPT. RM - 156	14
15	SPARE	20 A	1		0.00 kVA 0.72 kVA		1	20 A	RECPT. RM - 137	16
17	SPARE	20 A	1			0.00 kVA 1.26 kVA	1	20 A	RECPT. RM - 139, 142	18
19	RECPT. RM - 138	20 A	1	0.36 kVA 1.44 kVA			1	20 A	RECPT. RM - 133, 134	20
21	RECPT. RM - 122A	20 A	1		1.26 kVA 1.44 kVA		1	20 A	RECPT. RM - 130, 131	22
23	RECPT. RM - 132	20 A	1			0.72 kVA 0.90 kVA	1	20 A	RECPT. RM - 127	24
25	RECPT. RM - 128, 129	20 A	1	1.44 kVA 0.72 kVA			1	20 A	RECPT. RM - 126	26
27	RECPT. RM - 127	20 A	1		0.72 kVA 0.36 kVA		1	20 A	RECPT. RM - 123, 124	28
29	RECPT. RM - 122B, 125, 126	20 A	1			1.26 kVA 0.90 kVA	1	20 A	RECPT. EXTERIOR - SALLY PORT	30
31	RECPT. EXTERIOR - NORTH VETERINARY (REAR)	20 A	1	0.72 kVA 0.18 kVA			1	20 A	RECPT. RM 137 REFRIDGERATOR	32
33	SPARE	20 A	1		0.00 kVA 0.18 kVA		1	20 A	RECPT. RM 137 ULTRASONIC CLEANER	34
35	RECPT. RM 137 AUTOCLAVE	20 A	1			0.18 kVA 0.18 kVA	1	20 A	RECPT. RM 158 REFRIDGERATOR	36
37	RM. 126 DISHWASHER	20 A	1	0.18 kVA 0.00 kVA			1	20 A	SPARE	38
39	SPARE	20 A	1		0.00 kVA 0.00 kVA		1	20 A	SPARE	40
41	SPARE	20 A	1			0.00 kVA 0.00 kVA	1	20 A	SPARE	42
			Total Load:	25.01 kVA	21.88 kVA	20.49 kVA				
			Total Amps:	208 A	182 A	171 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	25.56 kVA	69.56%	17.78 kVA	**Total Conn. Load:**	67.36 kVA
Power	35.80 kVA	100.00%	35.80 kVA	**Total Est. Demand:**	59.58 kVA
				Total Conn.:	187 A
				Total Est. Demand:	165 A

Notes:
PROVIDE FEED THRU LUGS FOR PANEL "P1B"

Branch Panel: P1B

Location: ELEC 164
Supply From: P1A
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000 A
Mains Type: MLO
Mains Rating: 225 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	RECPT. RM 141 WASHER	20 A	2	2.40 kVA 2.40 kVA			2	20 A	RECPT. RM 141 WASHER	2
3					2.40 kVA 2.40 kVA					4
5	RECPT. RM 141 WASHER	20 A	2			2.40 kVA 2.40 kVA	2	20 A	RECPT. RM 141 DRYER	6
7				2.40 kVA 2.40 kVA						8
9	RECPT. RM 141 DRYER	20 A	2		2.40 kVA 2.40 kVA		2	20 A	RECPT. RM 141 DRYER	10
11						2.40 kVA 2.40 kVA				12
13	FREEZER EVAPORATOR	15 A	2	0.25 kVA 3.30 kVA			2	40 A	RM. 158 COMMERCIAL DISHWASHER	14
15					0.25 kVA 3.30 kVA					16
17	FREEZER CONDENSOR	45 A	2			0.25 kVA 0.00 kVA	1	20 A	SPARE	18
19				0.25 kVA 0.00 kVA			1	20 A	SPARE	20
21	WALK-IN FREEZER	15 A	1		0.50 kVA 0.00 kVA		1	20 A	SPARE	22
23	ROLL-UP DOOR #1	20 A	2			0.00 kVA 0.00 kVA	2	20 A	ROLL-UP DOOR #2	24
25				0.00 kVA 0.00 kVA						26
27	ROLL-UP DOOR #3	20 A	2		0.00 kVA 0.00 kVA		2	20 A	ROLL-UP DOOR #4	28
29						0.00 kVA 0.00 kVA				30
31	ROLL-UP DOOR #5	25 A	2	0.00 kVA 0.50 kVA			1	15 A	MED. GAS	32
33		20 A	1		0.00 kVA 0.50 kVA		1	20 A	MED. GAS MASTER ALARM PANEL	34
35	RM. 137 SENSOR FAUCET	20 A	1			0.50 kVA 0.50 kVA	1	20 A	SPRINKLER ALARM BELL	36
37	RM. 161 TRAP PRIMER	20 A	1	0.50 kVA 0.50 kVA			1	20 A	RM. 160 TRAP PRIMER	38
39	RM. 155 TRAP PRIMER	20 A	1		0.50 kVA 0.50 kVA		1	20 A	RM. 154 TRAP PRIMER	40
41	RM. 141 TRAP PRIMER	20 A	1			0.50 kVA 0.50 kVA	1	20 A	RM. 135 TRAP PRIMER	42
			Total Load:	14.64 kVA	14.89 kVA	11.85 kVA				
			Total Amps:	122 A	124 A	99 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	35.30 kVA	100.00%	35.30 kVA	**Total Conn. Load:**	41.33 kVA
				Total Est. Demand:	41.33 kVA
				Total Conn.:	115 A
				Total Est. Demand:	115 A

Notes:

Branch Panel: P2A

Location: ELEC 164
Supply From: MDP
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000 A
Mains Type: MLO
Mains Rating: 225 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1				0.56 kVA 0.74 kVA						2
3	TU-2.6	15 A	3		0.56 kVA 0.74 kVA		3	15 A	TU-2.10	4
5						0.56 kVA 0.74 kVA				6
7				0.93 kVA 0.93 kVA						8
9	TU-2.11	15 A	3		0.93 kVA 0.93 kVA		3	15 A	TU-2.7	10
11						0.93 kVA 0.93 kVA				12
13				0.93 kVA 1.30 kVA						14
15	TU-2.9	15 A	3		0.93 kVA 1.30 kVA		3	15 A	TU-2.8	16
17						0.93 kVA 1.30 kVA				18
19	SPARE	20 A	1	0.00 kVA 0.00 kVA			1	20 A	SPARE	20
21	SPARE	20 A	1		0.00 kVA 0.00 kVA		1	20 A	SPARE	22
23	SPARE	20 A	1			0.00 kVA 0.00 kVA	1	20 A	SPARE	24
25	SPARE	20 A	1	0.00 kVA 0.00 kVA			1	20 A	SPARE	26
27	SPARE	20 A	1		0.00 kVA 0.00 kVA		1	20 A	SPARE	28
29	SPARE	20 A	1			0.00 kVA 0.00 kVA	1	20 A	SPARE	30
31	SPARE	20 A	1	0.00 kVA 0.00 kVA			1	20 A	SPARE	32
33	SPARE	20 A	1		0.00 kVA 0.00 kVA		1	20 A	SPARE	34
35	SPARE	20 A	1			0.00 kVA 0.00 kVA	1	20 A	SPARE	36
37	SPARE	20 A	1	0.00 kVA 0.00 kVA			1	20 A	SPARE	38
39	SPARE	20 A	1		0.00 kVA 0.00 kVA		1	20 A	SPARE	40
41	SPARE	20 A	1			0.00 kVA 0.00 kVA	1	20 A	SPARE	42
			Total Load:	16.92 kVA	18.69 kVA	16.40 kVA				
			Total Amps:	141 A	156 A	137 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	1.18 kVA	100.00%	1.18 kVA	**Total Conn. Load:**	52.01 kVA
Heating	43.13 kVA	100.00%	43.13 kVA	**Total Est. Demand:**	52.40 kVA
Motor	6.31 kVA	106.18%	6.70 kVA	**Total Conn.:**	144 A
Receptacle	0.54 kVA	100.00%	0.54 kVA	**Total Est. Demand:**	145 A
X-Ray	0.00 kVA	0.00%	0.00 kVA		
Power	1.00 kVA	100.00%	1.00 kVA		

Notes:
PROVIDE FEED THRU LUGS FOR PANEL "P2B"

Branch Panel: P2B

Location: ELEC 164
Supply From: P2A
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000 A
Mains Type: MLO
Mains Rating: 225 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	HVLS-1	15 A	1	0.22 kVA 0.31 kVA			1	15 A	IRG-1	2
3	GWH-1	15 A	1		0.28 kVA 0.31 kVA		1	15 A	IRG-2	4
5	GWH-2	15 A	1			0.28 kVA 0.40 kVA	1	15 A	EF-3	6
7	EF-1	40 A	1	0.46 kVA 0.50 kVA			1	20 A	GENERATOR BATTERY CHARGER	8
9	UH-1	50 A	1		4.80 kVA 0.53 kVA		1	20 A	EF-7	10
11	EF-4	15 A	1			0.46 kVA 0.50 kVA	1	20 A	GENERATOR BLOCK HEATER	12
13	CP-1	15 A	1	0.65 kVA 1.56 kVA			1	25 A	EF-5	14
15	SPARE	20 A	1		0.00 kVA 0.00 kVA		1	20 A	SPARE	16
17	EF-6	15 A	1			0.53 kVA 0.65 kVA	1	15 A	CP-2	18
19	XRAY	125 A	2	0.00 kVA 0.74 kVA						20
21					0.00 kVA 0.74 kVA		3	15 A	VAV-1	22
23	FIRE SYSTEMS AIR COMPRESSOR (FSAC)	15 A	1			0.86 kVA 0.74 kVA				24
25	VAV-4	20 A	3	1.85 kVA 2.41 kVA						26
27					1.85 kVA 2.41 kVA		3	30 A	VAV-2	28
29						1.85 kVA 2.41 kVA				30
31	VAV-3	30 A	3	2.41 kVA 0.54 kVA			1	20 A	RECEPT. ROOF TOP	32
33					2.41 kVA 0.00 kVA		1	20 A	SPARE	34
35						2.41 kVA 0.00 kVA	1	20 A	SPARE	36
37	SPARE	20 A	1	0.00 kVA 0.00 kVA			1	20 A	SPARE	38
39	SPARE	20 A	1		0.00 kVA 0.00 kVA		1	20 A	SPARE	40
41	SPARE	20 A	1			0.00 kVA --	1	--	SHUNT TRIP SPACE	42
			Total Load:	11.55 kVA	13.32 kVA	11.03 kVA				
			Total Amps:	96 A	111 A	92 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	1.18 kVA	100.00%	1.18 kVA	**Total Conn. Load:**	35.90 kVA
Heating	27.02 kVA	100.00%	27.02 kVA	**Total Est. Demand:**	36.29 kVA
Motor	6.31 kVA	106.18%	6.70 kVA	**Total Conn.:**	100 A
Receptacle	0.54 kVA	100.00%	0.54 kVA	**Total Est. Demand:**	101 A
X-Ray	0.00 kVA	0.00%	0.00 kVA		
Power	1.00 kVA	100.00%	1.00 kVA		

Notes:

Branch Panel: P3

Location: IT 108
Supply From: MDP
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10,000 A
Mains Type: MLO
Mains Rating: 150 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	RECPT. RM - 107	20 A	1	0.18 kVA 0.54 kVA			1	20 A	RECPT. RM - 136	2
3	RECPT. RM - 105, 106	20 A	1		0.36 kVA 1.26 kVA		1	20 A	RECPT. EXTERIOR - 120, 121 KENNELS	4
5	RECPT. EXTERIOR - 118 KENNELS	20 A	1			0.54 kVA 0.72 kVA	1	20 A	RECPT. RM - 104	6
7	RECPT. RM - 107, 108	20 A	1	0.72 kVA 1.62 kVA			1	20 A	RECPT. EXTERIOR - VETERINARY AND ADOPTION...	8
9	RECPT. RM - 101, 102, 109	20 A	1		1.62 kVA 0.50 kVA		1	20 A	RM. 120 TRAP PRIMER	10
11	RECPT. RM - 103	20 A	1			0.90 kVA 1.08 kVA	1	20 A	RECEPT. RM - 110, 116, 117	12
13	RM. 118 TRAP PRIMER	20 A	1	0.50 kVA 0.72 kVA			1	20 A	RECPT. RM - 115	14
15	RECPT. RM - 120	20 A	1		0.72 kVA 0.90 kVA		1	20 A	RECPT. RM - 113, 114	16
17	RM. 121 TRAP PRIMER	20 A	1			0.50 kVA 0.72 kVA	1	20 A	RECPT. RM - 121	18
19	RECPT. RM - 111, 112	20 A	1	0.90 kVA 0.00 kVA			1	20 A	SPARE	20
21	SPARE	20 A	1		0.00 kVA 0.00 kVA		1	20 A	SPARE	22
23	RECPT. RM - 118, 119	20 A	1			0.90 kVA 0.00 kVA	1	20 A	SPARE	24
25	SPARE	20 A	1	0.00 kVA 0.00 kVA			1	20 A	SPARE	26
27	SPARE	20 A	1		0.00 kVA 0.00 kVA		1	20 A	SPARE	28
29	SPARE	20 A	1			0.00 kVA 0.00 kVA	1	20 A	SPARE	30
31	SPARE	20 A	1	0.00 kVA 0.00 kVA			1	20 A	SPARE	32
33	SPARE	20 A	1		0.00 kVA 0.00 kVA		1	20 A	SPARE	34
35	SPARE	20 A	1			0.00 kVA 0.00 kVA	1	20 A	SPARE	36
37	SPARE	20 A	1	0.00 kVA 0.00 kVA			1	20 A	SPARE	38
39	SPARE	20 A	1		0.00 kVA 0.00 kVA		1	20 A	SPARE	40
41	SPARE	20 A	1			0.00 kVA 0.00 kVA	1	20 A	SPARE	42
			Total Load:	5.18 kVA	5.36 kVA	5.36 kVA				
			Total Amps:	43 A	45 A	45 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	14.40 kVA	84.72%	12.20 kVA	**Total Conn. Load:**	15.90 kVA
Power	1.50 kVA	100.00%	1.50 kVA	**Total Est. Demand:**	13.70 kVA
				Total Conn.:	44 A
				Total Est. Demand:	38 A

Notes:

ALPHA

BLDG

SET 08- 19-2025

CROFT

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Kennesaw, Georgia 30144
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GEORGIA REGISTERED No. 34364 PROFESSIONAL ENGINEER ROBBIE E. RAHN
03/07/2025

Georgia COA: CROFT
Authorization No.: PEF007438
Expires: 06/02/2026

OWNER

HABERSHAM COUNTY ANIMAL CONTROL
130 JACOBS WAY, SUITE 302
CLARKSVILLE, GA
30523

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CORNELIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-07-08	PERMIT SET
	ISSUANCE	

PROJECT NUMBER
2022-313

DRAWN: LRJ
CHECKED: RER

SHEET TITLE
ELECTRICAL PANEL SCHEDULES

SHEET NO.
E-602

3/7/2025 11:24:21 AM
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THIS SHEET PLOTS ON 42" X 30"

Branch Panel: P4

Location: IT 108
Supply From: MDP
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 14,000 A
Mains Type: MLO
Mains Rating: 225 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1				1.11 kVA 1.85 kVA						2
3	VAV-5	15 A	3		1.11 kVA 1.85 kVA		3	20 A	VAV-6	4
5						1.11 kVA 1.85 kVA				6
7				0.74 kVA 1.11 kVA						8
9	VAV-7	15 A	3		0.74 kVA 1.11 kVA		3	15 A	VAV-8	10
11						0.74 kVA 1.11 kVA				12
13				0.93 kVA 1.85 kVA						14
15	VAV-9	15 A	3		0.93 kVA 1.85 kVA		3	20 A	VAV-10	16
17						0.93 kVA 1.85 kVA				18
19	SPARE	20 A	1	0.00 kVA 0.50 kVA			1	20 A	FACP	20
21					5.56 kVA 0.53 kVA		1	15 A	EF-2	22
23	UH-2	60 A	3			5.56 kVA 9.85 kVA				24
25				5.56 kVA 9.85 kVA			3	110 A	RTU-1	26
27	SPARE	20 A	1		0.00 kVA 9.85 kVA					28
29	SPARE	20 A	1			0.00 kVA 0.00 kVA	1	20 A	SPARE	30
31	SPARE	20 A	1	0.00 kVA 0.00 kVA			1	20 A	SPARE	32
33	SPARE	20 A	1		0.00 kVA 0.00 kVA		1	20 A	SPARE	34
35	SPARE	20 A	1			0.00 kVA 0.00 kVA	1	20 A	SPARE	36
37	SPARE	20 A	1	0.00 kVA 0.00 kVA			1	20 A	SPARE	38
39	SPARE	20 A	1		0.00 kVA 0.00 kVA		1	20 A	SPARE	40
41	SPARE	20 A	1			0.00 kVA 0.00 kVA	1	20 A	SPARE	42
			Total Load:	23.45 kVA	23.52 kVA	23.00 kVA				
			Total Amps:	195 A	196 A	192 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	29.54 kVA	100.00%	29.54 kVA	**Total Conn. Load:**	69.96 kVA
Heating	39.44 kVA	100.00%	39.44 kVA	**Total Est. Demand:**	70.10 kVA
Motor	0.53 kVA	125.00%	0.66 kVA	**Total Conn.:**	194 A
Power	0.50 kVA	100.00%	0.50 kVA	**Total Est. Demand:**	195 A

Notes:
PROVIDE FEED THRU LUGS FOR PANEL 'P4B'

Branch Panel: L1

Location: ELEC 164
Supply From: MDP
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000 A
Mains Type: MLO
Mains Rating: 150 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	LTG. RM - 157, 158, 159, 162, 163, 164	20 A	1	0.81 kVA 0.83 kVA			1	20 A	LTG. RM - 141, 148-154	2
3	LTG. RM - 135	20 A	1		0.84 kVA 0.96 kVA		1	20 A	LTG. RM - 143-146, 155, 156, 160, 161	4
5	LTG. RM - 137-140	20 A	1			0.83 kVA 0.83 kVA	1	20 A	LTG. RM - 122A, 142, 147	6
7	LTG. RM - 127-134	20 A	1	1.04 kVA 0.89 kVA			1	20 A	LTG. RM - 122B, 123-126	8
9	LTG. RM. 101-109	20 A	1		1.00 kVA 1.54 kVA		1	20 A	LTG. RM - 116-120, 136	10
11	LTG. RM - 110-115	20 A	1			0.90 kVA 1.00 kVA	1	20 A	SURGICAL LTG. RM 140	12
13	SURGICAL LTG. RM 137	20 A	1	1.00 kVA 0.76 kVA			1	20 A	LTG. EXTERIOR WALL PACKS	14
15	LTG. EXTERIOR - DOG PARK, RECEPT. - DOG PARK	20 A	1		2.76 kVA 1.20 kVA		1	20 A	LTG. EXTERIOR COVERED WALKWAY	16
17	LTG. EXTERIOR PARKING LOT	20 A	1			2.40 kVA 0.80 kVA	1	20 A	LTG. EXTERIOR PARKING LOT	18
19	LTG. EXTERIOR PARKING LOT	20 A	1	1.20 kVA 0.40 kVA			1	20 A	LTG. EXTERIOR PARKING LOT	20
21	LTG. EXTERIOR PARKING LOT	20 A	1		2.00 kVA 0.00 kVA		1	20 A	SPARE	22
23	SPARE	20 A	1			0.00 kVA 0.00 kVA	1	20 A	SPARE	24
25	SPARE	20 A	1	0.00 kVA 0.00 kVA			1	20 A	SPARE	26
27	SPARE	20 A	1		0.00 kVA 0.00 kVA		1	20 A	SPARE	28
29	SPARE	20 A	1			0.00 kVA 0.00 kVA	1	20 A	SPARE	30
31	SPARE	20 A	1	0.00 kVA 0.00 kVA			1	20 A	SPARE	32
33	SPARE	20 A	1		0.00 kVA 0.00 kVA		1	20 A	SPARE	34
35	SPARE	20 A	1			0.00 kVA 0.00 kVA	1	20 A	SPARE	36
37	SPARE	20 A	1	0.00 kVA 0.00 kVA			1	20 A	SPARE	38
39	SPARE	20 A	1		0.00 kVA 0.00 kVA		1	20 A	SPARE	40
41	SPARE	20 A	1			0.00 kVA 0.00 kVA	1	20 A	SPARE	42
			Total Load:	6.89 kVA	10.29 kVA	6.73 kVA				
			Total Amps:	57 A	86 A	56 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	0.36 kVA	100.00%	0.36 kVA	**Total Conn. Load:**	23.90 kVA
Power	2.00 kVA	100.00%	2.00 kVA	**Total Est. Demand:**	29.29 kVA
Lighting	21.54 kVA	125.00%	26.93 kVA	**Total Conn.:**	66 A
				Total Est. Demand:	81 A

Notes:

Branch Panel: EPA

Location: ELEC 164
Supply From: MDP
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000 A
Mains Type: MCB
Mains Rating: 600 A
MCB Rating: 600 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1				1.67 kVA 2.59 kVA						2
3	TU-1.1	20 A	3		1.67 kVA 2.59 kVA		3	25 A	TU-1.3	4
5						1.67 kVA 2.59 kVA				6
7				2.78 kVA 2.04 kVA						8
9	TU-1.2	30 A	3		2.78 kVA 2.04 kVA		3	20 A	TU-1.4	10
11						2.78 kVA 2.04 kVA				12
13				2.04 kVA 1.48 kVA						14
15	TU-1.5	20 A	3		2.04 kVA 1.48 kVA		3	15 A	TU-1.6	16
17						2.04 kVA 1.48 kVA				18
19				2.04 kVA 1.67 kVA						20
21	TU-1.7	20 A	3		2.04 kVA 1.67 kVA		3	20 A	TU-1.8	22
23						2.04 kVA 1.67 kVA				24
25				4.63 kVA 1.11 kVA						26
27	TU-1.9	50 A	3		4.63 kVA 1.11 kVA		3	15 A	TU-1.10	28
29						4.63 kVA 1.11 kVA				30
31				2.41 kVA						32
33	TU-2.18	25 A	3		2.41 kVA 2.96 kVA		3	35 A	TU-2.16	34
35						2.41 kVA 2.96 kVA				36
37				1.67 kVA 0.74 kVA						38
39	TU-2.14	20 A	3		1.67 kVA 0.74 kVA		3	15 A	TU-2.12	40
41						1.67 kVA 0.74 kVA				42
			Total Load:	63.72 kVA	63.05 kVA	60.58 kVA				
			Total Amps:	534.13 A	528.54 A	504.84 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	54.75 kVA	100.00%	54.75 kVA	**Total Conn. Load:**	187.34 kVA
Heating	126.67 kVA	100.00%	126.67 kVA	**Total Est. Demand:**	187.34 kVA
Receptacle	2.34 kVA	100.00%	2.34 kVA	**Total Conn.:**	520.01 A
Power	4.22 kVA	100.00%	4.22 kVA	**Total Est. Demand:**	520.01 A

Notes:

Branch Panel: EPB

Location: ELEC 164
Supply From: EPA
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000 A
Mains Type: MLO
Mains Rating: 600 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1				0.74 kVA 1.30 kVA						2
3	TU-2.17	15 A	3		0.74 kVA 1.30 kVA		3	15 A	TU-2.13	4
5						0.74 kVA 1.30 kVA				6
7				1.48 kVA 1.85 kVA						8
9	TU-2.15	20 A	3		1.48 kVA 1.85 kVA		3	20 A	TU-2.1	10
11						1.48 kVA 1.85 kVA				12
13				2.41 kVA 2.41 kVA						14
15	TU-2.2	25 A	3		2.41 kVA 2.41 kVA		3	25 A	TU-2.3	16
17						2.41 kVA 2.41 kVA				18
19				1.67 kVA 0.56 kVA						20
21	TU-2.5	20 A	3		1.67 kVA 0.56 kVA		3	15 A	TU-2.4	22
23						1.67 kVA 0.56 kVA				24
25				7.81 kVA 9.13 kVA						26
27	DOAS 1 (CIRCUIT 2)	100 A	3		7.81 kVA 9.13 kVA		3	125 A	DOAS 2 (CIRCUIT 2)	28
29						7.81 kVA 9.13 kVA				30
31	MSCU-1	30 A	2	1.98 kVA 0.36 kVA			1	20 A	RECPT. RM - 108	32
33					1.98 kVA 0.36 kVA		1	20 A	RECPT. RM - 108	34
35	RECPT. RM - 108	20 A	1			0.36 kVA 0.50 kVA	1	20 A	ACCESS CONTROL PANEL	36
37	MOTORIZED GATE	25 A	1	2.00 kVA 0.50 kVA			1	20 A	MOTORIZED PARKING ARM	38
39	MOTORIZED PARKING ARM	20 A	1		0.50 kVA 1.26 kVA		1	20 A	RECPT. RM - 140	40
41	SPARE	20 A	1			0.00 kVA 0.72 kVA	1	20 A	RECPT. RM - 137	42
			Total Load:	33.91 kVA	33.24 kVA	30.77 kVA				
			Total Amps:	286 A	280 A	256 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	54.75 kVA	100.00%	54.75 kVA	**Total Conn. Load:**	97.92 kVA
Heating	37.22 kVA	100.00%	37.22 kVA	**Total Est. Demand:**	97.92 kVA
Receptacle	2.34 kVA	100.00%	2.34 kVA	**Total Conn.:**	272 A
Power	4.22 kVA	100.00%	4.22 kVA	**Total Est. Demand:**	272 A

Notes:

ALPHA BLDG SET 08-19-2025

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GEORGIA REGISTERED No. 34364 PROFESSIONAL ENGINEER ROBBIE E. RAHN
03/07/2025

Georgia COA: CROFT
Authorization No.: PEF007438
Expires: 06/02/2026

OWNER

HABERSHAM COUNTY ANIMAL CONTROL
130 JACOBS WAY, SUITE 302
CLARKSVILLE, GA
30523

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CORNELIA, GA
30531

No.	Date	Description
1	2025-03-07	VE CHANGES
0	2024-07-08	PERMIT SET
		ISSUANCE

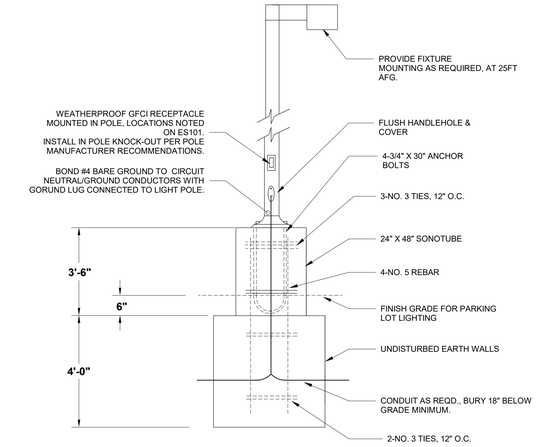
PROJECT NUMBER
2022-313

DRAWN: LRJ
CHECKED: RER

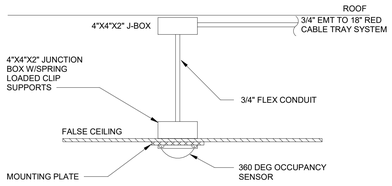
SHEET TITLE
ELECTRICAL PANEL SCHEDULES

SHEET NO.
E-603

THIS SHEET PLOTS ON 42" X 30"



N1 E-701 POLE BASE DETAIL
NOT TO SCALE



K1 E-701 CEILING MOUNTED OCCUPANCY SENSOR DETAIL
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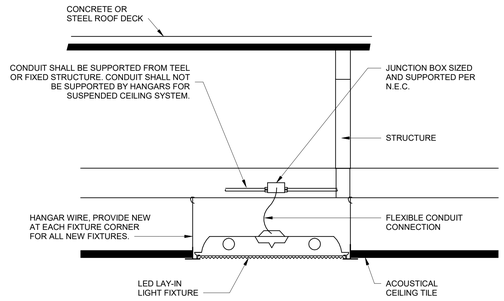

P8 E-701 TYPICAL LAY-IN FIXTURE INSTALLATION DETAIL
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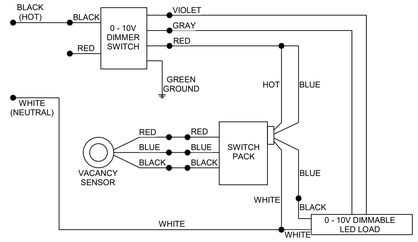

L7 E-701 TYPICAL SWITCH PACK / DIMMING WIRING DIAGRAM
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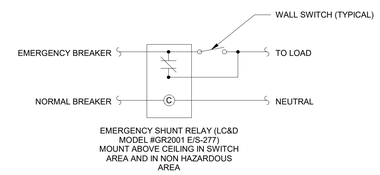

I1 E-701 EMERGENCY LIGHTING OVER-RIDE RELAY DIAGRAM
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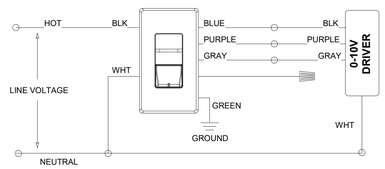
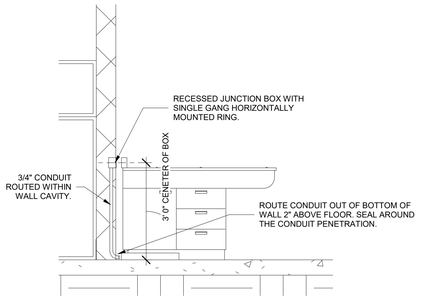
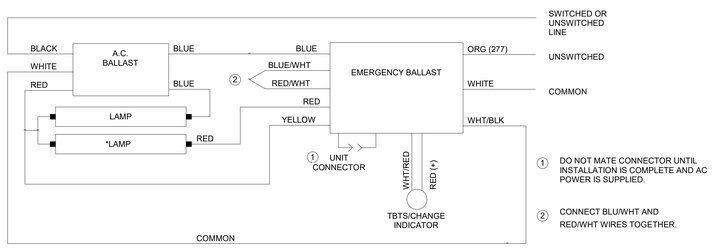


F1 E-701 TYPICAL 0-10V DIMMER SWITCH WIRING DIAGRAM
NOT TO SCALE



G7 E-701 SCALE JUNCTION BOX INSTALLATION
NOT TO SCALE



B2 E-701 TYPICAL EM WIRING DIAGRAM
12" = 1'-0"

LIGHTING CONTROL SCHEDULE

DESCRIPTION \ APPLICATION	STORAGE & J.C.s	COMM. & ELECTRICAL ROOMS	CONFERENCE & SERVICE AREAS	VESTIBULES	ENCLOSED SMALL OFFICES	LOBBIES	CORRIDORS & OPEN OFFICES	RESTROOMS
WALL MOUNTED OCCUPANCY SENSOR, LOW VOLTAGE WITH ON/OFF SWITCH, SET AT 20 MINUTE VACANCY SENSING.								
CEILING MOUNTED OCCUPANCY SENSOR SET AT 20 MINUTE VACANCY SENSING WITH AUTO OFF MANUAL ON.	X		X	X	X	X		X
WALL MOUNTED SWITCH, LOW VOLTAGE, ON/OFF SWITCH.	X	X	X		X	X		X
WALL MOUNTED SWITCH, LOW VOLTAGE 1 ZONE ON/OFF SWITCH WITH 0-10V DIMMING.							X	
WALL MOUNTED SWITCH, LOW VOLTAGE, 1 ZONE ON/OFF SWITCHING +1 ZONE 0-10V DIMMING.			X					
EMERGENCY EGRESS/NIGHT LIGHTING FIXTURES WITHOUT LOCAL WALL SWITCHING.						X		
EMERGENCY EGRESS LIGHTING FIXTURES SWITCHED, OR DIMMED, WITH OTHER ROOM LIGHTING. RELAY TRANSFER LIGHTS "100% ON" UPON LOSS OF NORMAL POWER.		X	X	X		X	X	X
LIGHTING NETWORK INTERFACE FOR PROGRAMMABLE TIME OF DAY SCHEDULING.						X	X	
BUILDING ENERGY MANAGEMENT SYSTEM INTERFACE CONTACT.			X		X	X		

ALPHA

BLDG SET

08-19-2025

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GEORGIA REGISTERED No. 34341 PROFESSIONAL ENGINEER ROBBIE E. RAHN
03/07/2025

Georgia COA: CROFT
Authorization No.: PEF007438
Expires: 06/02/2026

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CLARKSVILLE, GA
30523

HABERSHAM COUNTY ANIMAL SHELTER

HABERSHAM ANIMAL CONTROL
OLD ATHENS HWY
CORNELIA, GA
30531

No.	Date	Description
0	2024-07-08	PERMIT SET
		ISSUANCE

PROJECT NUMBER
2022-313

DRAWN: LRJ
CHECKED: RER

SHEET TITLE
ELECTRICAL DETAILS

SHEET NO.
E-701

3/7/2025 11:24:13 AM
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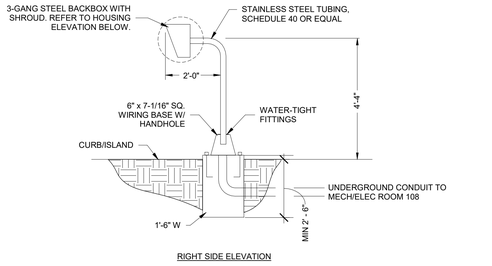
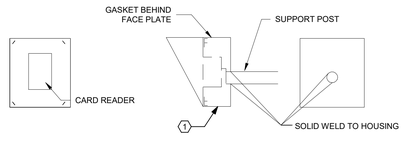


RIGHT SIDE ELEVATION



FACE PLATE RIGHT SIDE REAR

KEY NOTES: (APPLY TO THIS DETAIL ONLY)

1 FACEPLATE TO BE OF 12 GA. STAINLESS STEEL, WELDED SEAM CONSTRUCTION.

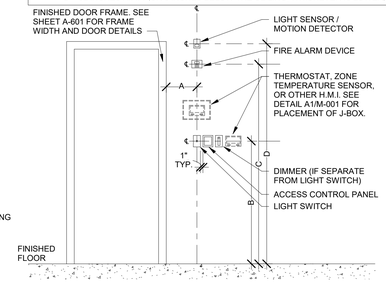
M2 E-702 VEHICLE GATE CARD READER PEDESTAL
NOT TO SCALE

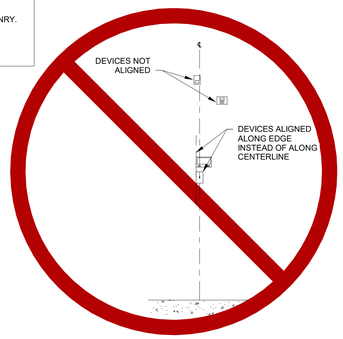
GENERAL WALL-MOUNTED DEVICE NOTES:

1. PROVIDE J-BOXES FOR SWITCHES AND H.M.I. DEVICES SERVING EQUIPMENT SPECIFIED UNDER DIVISIONS 22 AND 23. ENSURE ALL WALL-MOUNTED DEVICES ARE ALIGNED TO CENTERLINE WITH ALL OTHER DEVICES IN THE IMMEDIATE PROXIMITY.
2. INSTALLATION HEIGHTS ARE AS FOLLOWS, UNLESS NOTED OTHERWISE:
   A = SEE DETAIL ARCHITECTURAL FOR SPACING FROM EDGE OF DOOR FRAME.
   B = 48 INCHES A.F.F. (STUD WALL) OR 44 INCHES A.F.F. (STUD WALL W/ 10"-25" DEEP COUNTER)
   C = 80 INCHES A.F.F.
   D = 96 INCHES A.F.F. (OR 6 INCHES BELOW THE CEILING, WHICHEVER IS LOWER)

MASONRY NOTES:

1. ALIGN EDGES OF JUNCTION BOXES WITH COURSING WHEN INSTALLED IN MASONRY.
2. INSTALLATION HEIGHTS ARE AS FOLLOWS:
   B = 44 INCHES A.F.F.
   C = 76 INCHES A.F.F.
   D = 92 INCHES A.F.F. (OR 6 INCHES BELOW THE CEILING, WHICHEVER IS LOWER)





N8 E-702 WALL-MOUNTED ELECTRICAL DEVICE PLACEMENT DETAIL
NOT TO SCALE

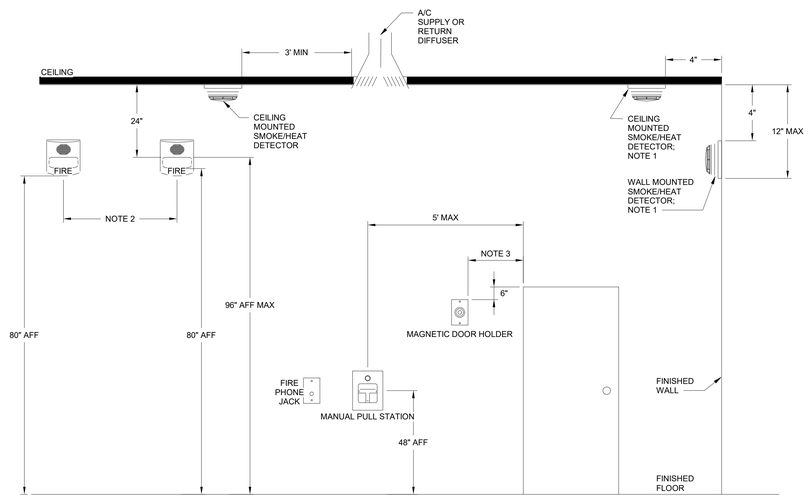
REFERENCES:

AUDIBLE/VISUAL OR VISUAL ONLY APPLIANCES
80" - ADA
80" MIN - NFPA
80" MIN/96" MAX - IBC

NFPA 72 2022 EDITION
SECTION 18.5.5.1
SECTION 18.5.5.7.2
NFPA 72 2019 EDITION
SECTION 18.5.5.1
SECTION 18.5.5.5.2
NFPA 72 2016 EDITION
SECTION 18.5.5.1
SECTION 18.5.5.4.2

MANUAL PULL STATIONS
48" MAX - ADA
42" MIN/48" MAX - NFPA

NFPA 72 2022 EDITION
SECTION 17.15.4-17.15.6
NFPA 72 2019 EDITION
SECTION 17.15.4-17.15.6
NFPA 72 2016 EDITION
SECTION 17.14.3-17.14.5

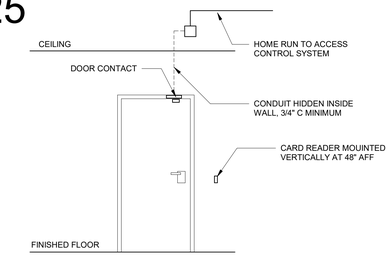


NOTES:

1. REFER TO THE PROPER DEVICE INSTALLATION INSTRUCTIONS FOR BACKBOX MOUNTING HEIGHT.
2. SYNCHRONIZE MORE THAN 2 APPLIANCES IN ANY FIELD OF VIEW.
3. MAGNETIC DOOR HOLDER - POSITION 3" LESS THAN WIDTH OF DOOR.

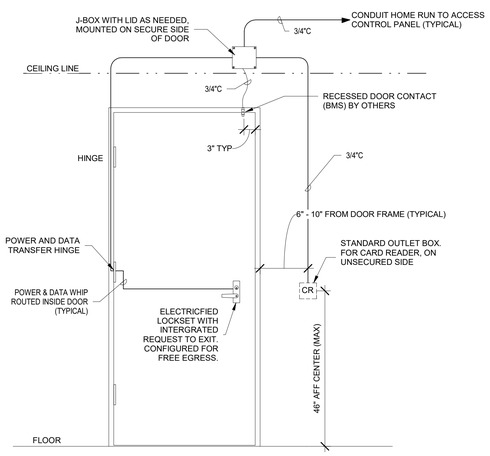
L17 E-702 FIRE ALARM DEVICES MOUNTING HEIGHTS (PER NFPA 72)
NOT TO SCALE

ALPHA BLDG SET 08-19-2025

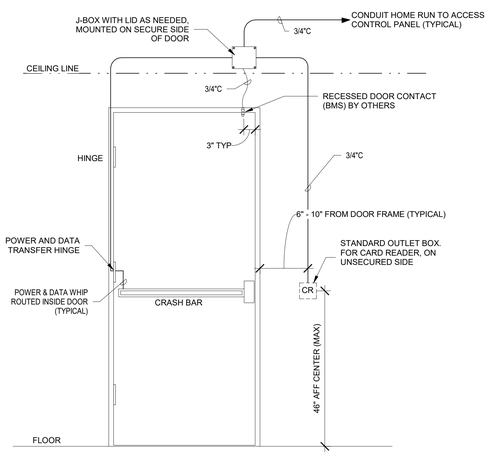


NOTES:
1. COORDINATE WITH INTRUSION DETECTION SYSTEM FOR ALL REQUIREMENTS.

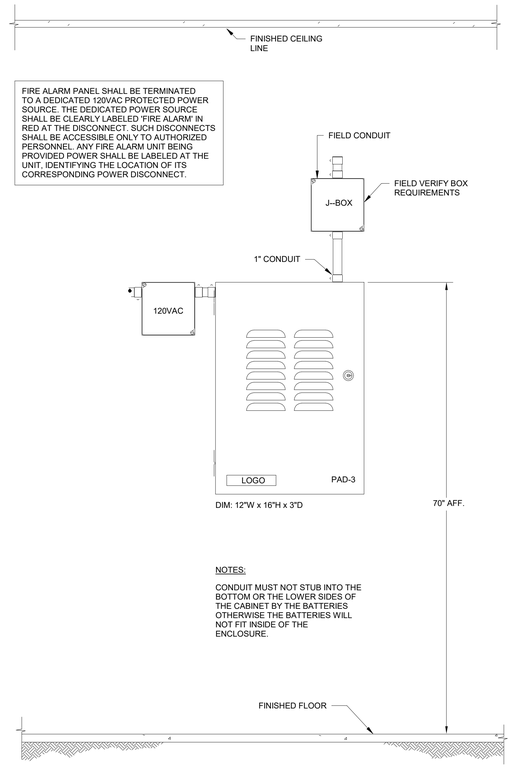
G7 E-702 DOOR CONTACT DETAIL
NOT TO SCALE



A2 E-702 TYPICAL EMERGENCY EGRESS DOOR DETAIL
NOT TO SCALE



A6 E-702 TYPICAL SINGLE DOOR WITH CARD READER & ELECTRONIC CRASHBAR
NOT TO SCALE



A19 E-702 TYPICAL FIRE ALARM PANEL MOUNTING DETAIL
NOT TO SCALE

THIS SHEET PLOTS ON 42" X 30"
3/7/2025 11:24:30 AM
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No.	Date	Description
0	2024-07-08	PERMIT SET
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PROJECT NUMBER
2022-313

DRAWN: LRJ
CHECKED: RER

SHEET TITLE
ELECTRICAL DETAILS

SHEET NO.
E-702