

Renovations and Additions to Port Lavaca Animal Shelter

City of Port Lavaca, Texas

THIS PROJECT IS THE REMODELING OF THE EXISTING ANIMAL SHELTER. WORK INCLUDES NEW EXTERIOR WALL AND ROLL-UP DOORS, EXTERIOR PAINTING, REMODELING OF EXISTING CAGES, NEW LIGHT FIXTURES, AND FLOOR COATING. ADDITIONALLY, A NEW ENCLOSED BUILDING FOR THE INCINERATOR IS PROVIDED IN THE AREA OF THE EXISTING INCINERATOR.

INTERNATIONAL BUILDING CODE, 2015
INTERNATIONAL FIRE CODE, 2015
INTERNATIONAL MECHANICAL CODE, 2015
INTERNATIONAL PLUMBING CODE, 2015
TEXAS ACCESSIBILITY STANDARDS
NATIONAL ELECTRIC CODE, 2017
INTERNATIONAL ENERGY CONSERVATION CODE, 2015

OCCUPANCY FOR SHELTER: GROUP B
OCCUPANCY FOR INCINERATOR: GROUP U

TYPE 5B NON-SPRINKLER

B -TYPE 5B : 9,000 S.F.

U -TYPE 5B : 5500 S.F.

ACTUAL GROSS AREA OF

B -TYPE 5B : 2 STORIES	40
U -TYPE 5B : 1 STORIES	40

ACTUAL BUILDING COST

B -TYPE 5B : 1 STORY	13
U -TYPE 5B : 1 STORY	13

FIRE PROTECTION

SPRINKLER SYSTEM: NONE
STANDPIPE SYSTEM: N/A
FIRE EXTINGUISHERS: PROVIDED
FIRE ALARM SYSTEM: NONE
EMERGENCY ALARM SYSTEM: N/A
SMOKE CONTROL SYSTEM: N/A
SMOKE AND HEAT VENTS: N/A

TYPE 5B WITH NO SPRINKLER
STRUCTURAL FRAME - NONE REQUIRED
NON BEARING EXTERIOR WALLS - NONE REQUIRED
NON BEARING INTERIOR CORRIDOR WALLS - NONE REQUIRED
NON BEARING INTERIOR INCIDENTAL USE WALLS - NONE REQUIRED
NON BEARING INTERIOR NONSEPARATED USE WALLS - NONE REQUIRED
FLOOR CONSTRUCTION - NONE REQUIRED
ROOF CONSTRUCTION - NONE REQUIRED

		FACTOR	LOAD
ANIMAL SHELTER	3200	100 GROSS	32

INCINERATOR BLDG	240	200 GROSS	1
------------------	-----	-----------	---

1. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING BID.
2. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN DRAWINGS AND UNCOVERED EXISTING CONDITIONS.

A0.0	COVER AND INDEX
A0.1	ACCESSIBILITY
A0.2	SPECIFICATIONS
A0.3	SPECIFICATIONS
S0.0	GENERAL NOTES
S0.1	GENERAL NOTES
S0.2	GENERAL NOTES
S1.01	FOUNDATION PLAN
S1.02	FOUNDATION PLAN
A1.0	SITE PLAN
A2.0	FLOOR PLAN AND SCHEDULES
A3.0	SHELTER CEILING, INCINERATOR BLDG PLAN AND CEILING PLAN
A4.0	EXTERIOR ELEVATIONS AND DETAILS
M1.0	MECHANICAL FLOOR PLAN
ESP1.0	MEP SITE PLAN
E1.0	LIGHTING PLAN
E1.1	LIGHTING PLAN INCINERATOR BLDG
E2.0	ELECTRICAL SCHEDULES
E3.0	ELECTRICAL DETAILS
P1.0	PARTIAL NATURAL GAS PLAN
P2.0	RISER DIAGRAMS

202 North Virginia Port Lavaca Texas 77979

8121 Broadway St. Suite 200 Houston, Texas 77061 713-980-3250

2855 Mangum Suite 566 Houston, Texas 77092 713-823-1660

1169 County Road 136A Alvin, Texas 77511 832-526-0160

3200 Wilcrest Suite 305 Houston, Texas 77042 713-780-3345

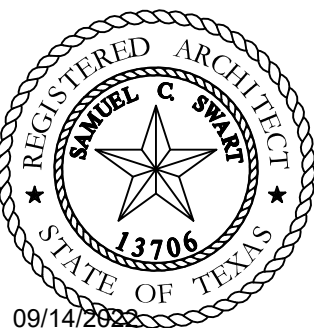
MEP ENGINEER:	PROJECT TEAM James E Thompson & Associates 1169 County Road 136A Alvin, Texas 77511 832.526.0160
STRUCTURAL ENGINEER	CJG Engineers 3200 Wilcrest Dr. Suite 305 Houston, Texas 77042 713.780.3345
CIVIL:	

This electronic drawing file is released under the authority of Swart Architects, Inc., who maintains the original file. This electronic drawing file may be used as a background drawing. Pursuant to Rule 1.102(f) of the Rules and Regulations of the Texas Board of Architectural Examiners, the user of this electronic drawing file agrees to assume all responsibility for any modification to or use of this drawing file that is inconsistent with the requirements of the Rules and Regulations of the Texas Board of Architectural Examiners. No person may make any modification to this electronic drawing file without the Architect's express written permission.

Renovations and Additions to
Port Lavaca Animal Shelter
201 Stringham Port Lavaca, Texas 77979

Swart
Architects

2855 Mangum
Suite 566
Houston, Texas 77092
(713) 823-1660



SA PROJECT NO.:

2209

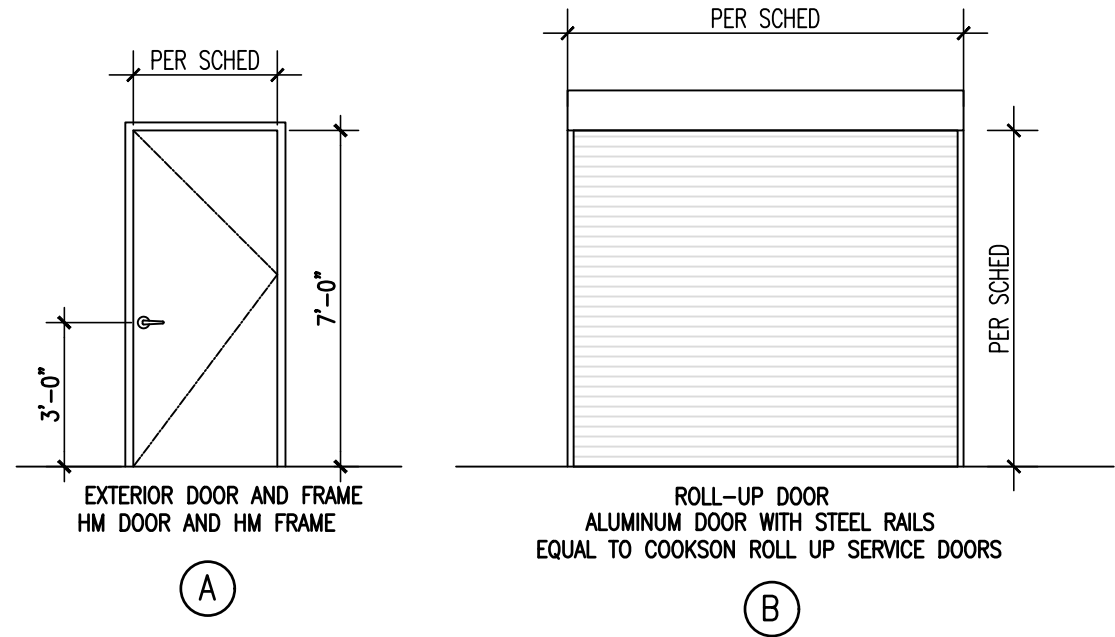
DATE: _____

09/14/2022

SHEET TITLE:

SHEET NO.:

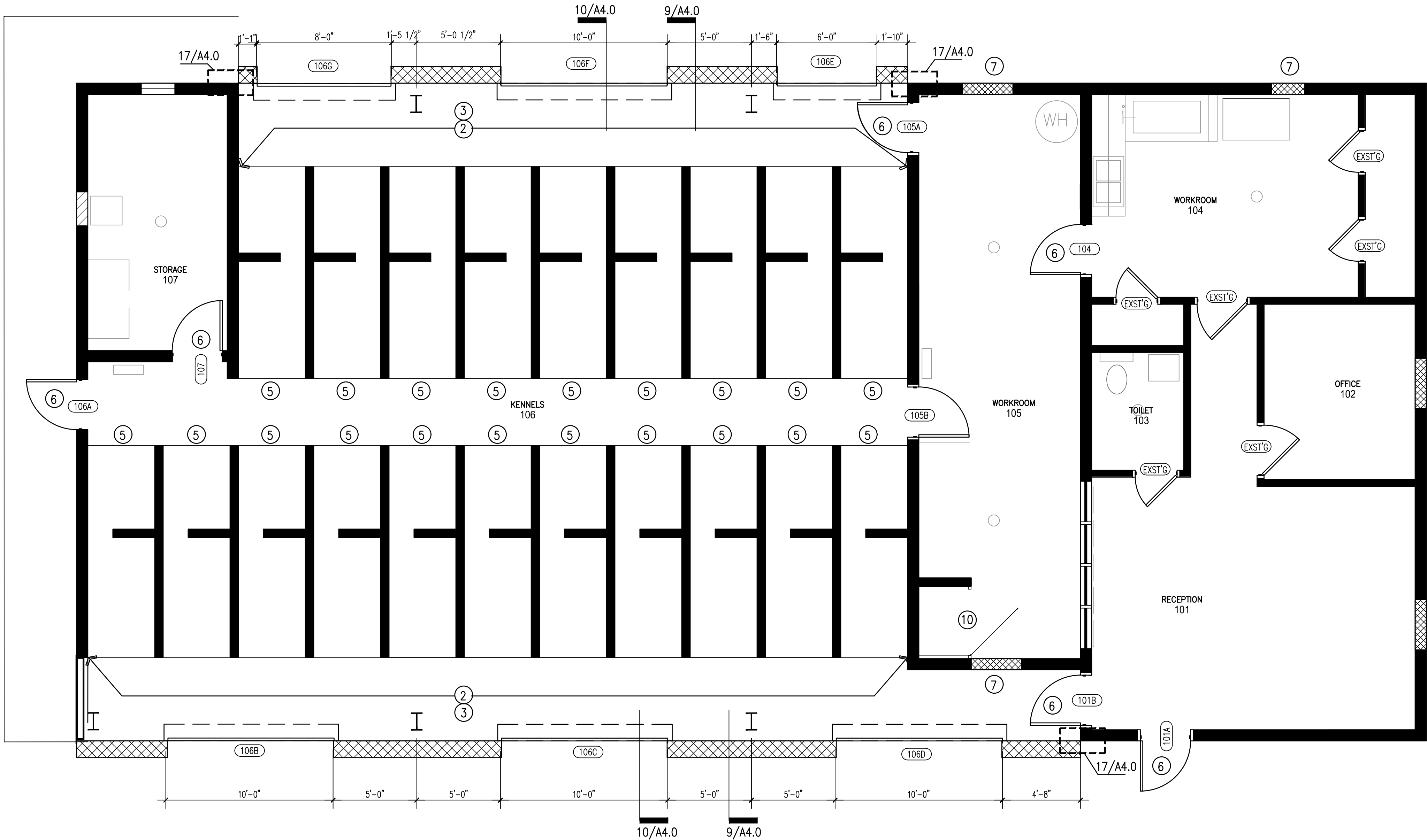
A 0.0



DOOR AND INTERIOR FRAME SCHEDULE										
MARK	DOOR SIZE	DRELEV	DRMAT	FRAMESIZE	FRELEV	FRMAT	STC	HW	FIRE LABEL	REMARKS
101A	3'-0" X 7'-0"	A	HM	3'-2" X 7'-0"	A	HM	N/A	01		EXISTING OPN'G
101B	3'-0" X 7'-0"	A	HM	3'-2" X 7'-0"	A	HM	N/A	01		EXISTING OPN'G
104	3'-0" X 7'-0"	A	HM	3'-2" X 7'-0"	A	HM	N/A	01		EXISTING OPN'G
105A	3'-0" X 7'-0"	A	HM	3'-2" X 7'-0"	A	HM	N/A	01		EXISTING OPN'G
105B	3'-0" X 7'-0"	A	HM	3'-2" X 7'-0"	A	HM	N/A	01		EXISTING OPN'G
106A	3'-0" X 7'-0"	A	HM	3'-2" X 7'-0"	A	HM	N/A	01		EXISTING OPN'G
106B	10'-0" X 6'-8"	B	ALUM		B	STEEL	N/A			ROLL-UP
106C	10'-0" X 6'-8"	B	ALUM		B	STEEL	N/A			ROLL-UP
106D	10'-0" X 6'-8"	B	ALUM		B	STEEL	N/A			ROLL-UP
106E	8'-0" X 6'-8"	B	ALUM		B	STEEL	N/A			ROLL-UP
106F	10'-0" X 6'-8"	B	ALUM		B	STEEL	N/A			ROLL-UP
106G	6'-0" X 6'-8"	B	ALUM		B	STEEL	N/A			ROLL-UP
107	3'-0" X 7'-0"	A	HM	3'-2" X 7'-0"	A	HM	N/A	01		EXISTING OPN'G
110A	3'-6" X 7'-0"	A	HM	3'-8" X 7'-2"	A	HM	N/A			
110B	9'-0" X 8'-0"	B	ALUM		E	STEEL	N/A			ROLL-UP

DOOR SCHEDULE AND TYPES

11



- KEYED NOTES
1. INSTALL NEW GALVANIZED 1/2" FLATTENED EXPANDED METAL TO EXTERIOR OPENINGS OF THE ROOF VENT. INSURE FULL ENCLOSURE TO PREVENT ENTRY BY BIRDS OR OTHER VERMIN.
 2. PROVIDE NEW GALVANIZED 1/2" FLATTENED EXPANDED METAL PANELS ABOVE EXISTING KENNELS. INSURE FULL ENCLOSURE BETWEEN KENNEL AND ROOF PURLIN. RE: X/A3.0 FOR DETAILS.
 3. PROVIDE NEW GALVANIZED 1/2" FLATTENED EXPANDED METAL ON BACK OF EXISTING KENNEL DOORS.
 4. NOT USED
 5. MODIFY EXISTING MECHANISM FOR RAISING THE KENNEL SEPARATING PANEL.
 6. REMOVE THE EXISTING DOOR AND FRAME. PROVIDE A NEW DOOR AND FRAME AS NOTED IN SCHEDULE. PROVIDE NEW HARDWARE TO MATCH FUNCTION OF THE EXISTING.
 7. REMOVE EXISTING EXTERIOR FRAMES. PREP OPENING FOR INFILL. PROVIDE CMU INFILL TO MATCH EXISTING.
 8. REMOVE AND CLEAN THE EXISTING CEILING MOUNTED FANS. REINSTALL IN THE SAME LOCATIONS.
 9. REPLACE THE EXISTING LIGHT FIXTURES WITH NEW LED LIGHT FIXTURES AS NOTED IN MEP DRAWINGS.
 10. PROVIDE A NEW GALVANIZED EXPANDED METAL PANEL SET IN AN ANGLE STEEL FRAME AND MOUNTED IN A 2X2" STEEL FRAME WITH HINGES AND LATCH. RE: X/A3.0

- GENERAL NOTES
1. PROVIDE NEW EPOXY COATING ON EXISTING CONCRETE FLOOR. PREP FLOOR AS RECOMMENDED BY COATING MANUFACTURER INCLUDING GRINDING EXISTING CONCRETE SURFACE.
 2. POWER WASH ENTIRE KENNEL AREA INCLUDING ALL KENNEL WALLS, FLOORS, AND CEILINGS.
 3. PREP ALL CMU KENNEL PARTITIONS FOR NEW SPECIAL COATING. PREPARE ALL SURFACES AS RECOMMENDED BY MANUFACTURER.
 4. PREP AND PAINT ALL EXTERIOR CMU WALLS. PREPARE ALL SURFACES AS RECOMMENDED BY MANUFACTURER OF PAINT.

FLOOR PLAN

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

1

ISSUE DATES	
DATE	DESCRIPTION
09/14/22	ISSUED FOR PERMITTING
10/20/22	REVISIONS

PROJECT TEAM
MEP ENGINEER: James E Thompson & Associates
1169 County Road 136A
Alvin, Texas 77511
832.526.0160
STRUCTURAL ENGINEER: CJG Engineers
3200 Wilcrest Dr. Suite 305
Houston, Texas 77042
713.780.3345
CIVIL:

This electronic drawing file is released under the authority of Swart Architects, Inc., who maintains the original file. This electronic drawing file may be used as a background drawing. Pursuant to Rule 1.102(1) of the Rules and Regulations of the Texas Board of Architectural Examiners, the user of this electronic drawing file agrees to assume all responsibility for any modification to or use of this drawing file that is inconsistent with the requirements of the Rules and Regulations of the Texas Board of Architectural Examiners. No person may make any modification to this electronic drawing file without the Architect's express written permission.

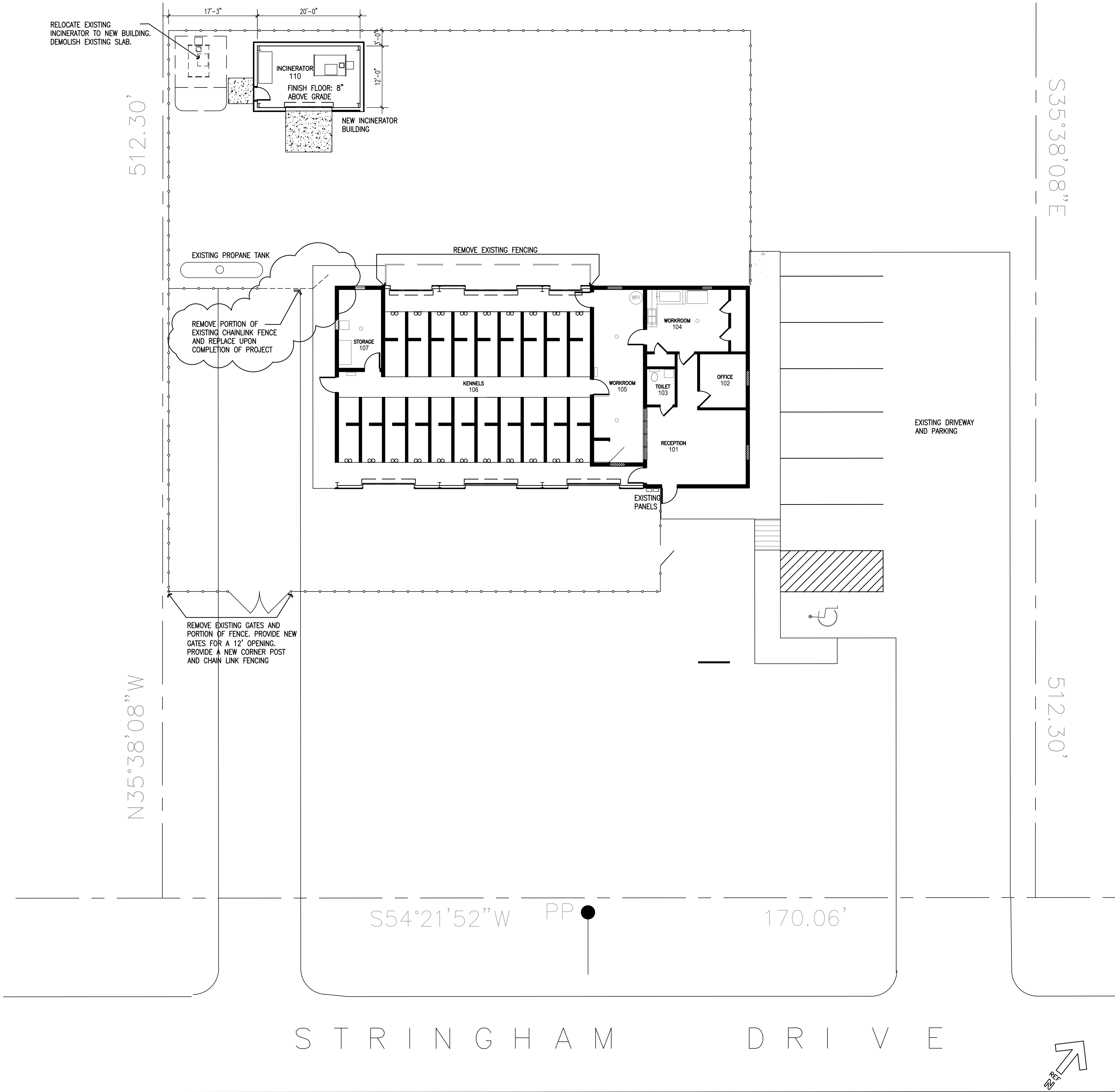
Renovations and Additions to
Port Lavaca Animal Shelter
201 Stringham Port Lavaca, Texas 77979

Swart Architects

2855 Mangum
Suite 566
Houston, Texas 77092
(713) 823-1660

REGISTERED ARCHITECT
CARROLL C SWART
13706
STATE OF TEXAS
10/20/2022

SA PROJECT NO.:
2209
DATE:
10/20/2022
SHEET TITLE:
SHEET NO.:
A 2.0

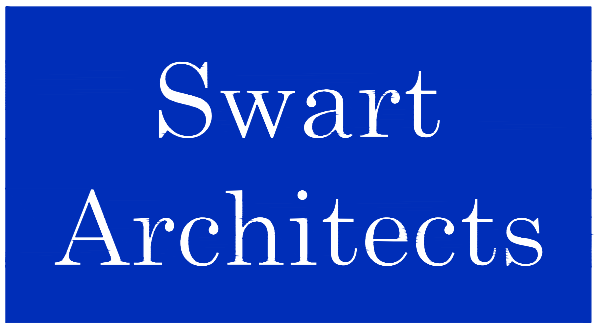


ISSUE DATES	
DATE	DESCRIPTION
09/14/22	ISSUED FOR PERMITTING
10/20/22	REVISIONS

PROJECT TEAM
MEP ENGINEER: James E Thompson & Associates
1169 County Road 136A
Alvin, Texas 77511
832.526.0160
STRUCTURAL ENGINEER: CJG Engineers
3200 Wilcrest Dr. Suite 305
Houston, Texas 77042
713.780.3345
CIVIL:

This electronic drawing file is released under the authority of Swart Architects, Inc., who maintains the original file. This electronic drawing file may be used as a background drawing. Pursuant to Rule 1.102(i) of the Rules and Regulations of the Texas Board of Architectural Examiners, the user of this electronic drawing file agrees to assume all responsibility for any modification to or use of this drawing file that is inconsistent with the requirements of the Rules and Regulations of the Texas Board of Architectural Examiners. No person may make any modification to this electronic drawing file without the Architect's express written permission.

Renovations and Additions to
Port Lavaca Animal Shelter
201 Stringham Port Lavaca, Texas 77979



2855 Mangum
Suite 566
Houston, Texas 77092
(713) 823-1660



SA PROJECT NO.:

2209

DATE:

10/20/2022

SHEET TITLE:

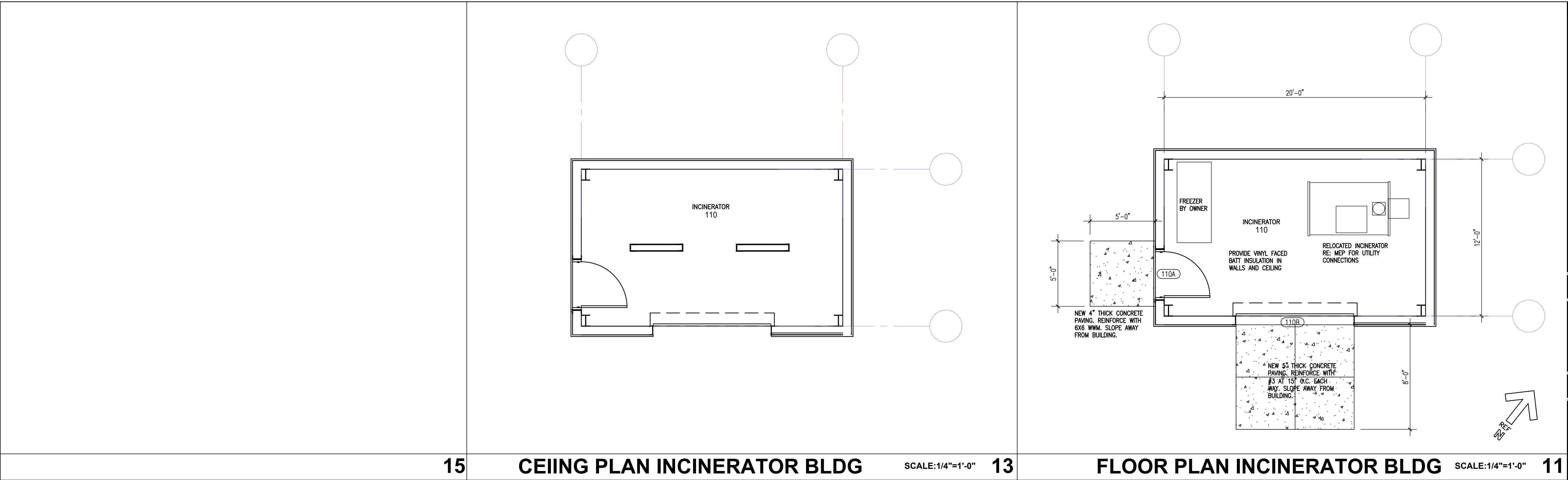
SHEET NO.:

A 1.0

SITE PLAN

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

1



15

CEIING PLAN INCINERATOR BLDG

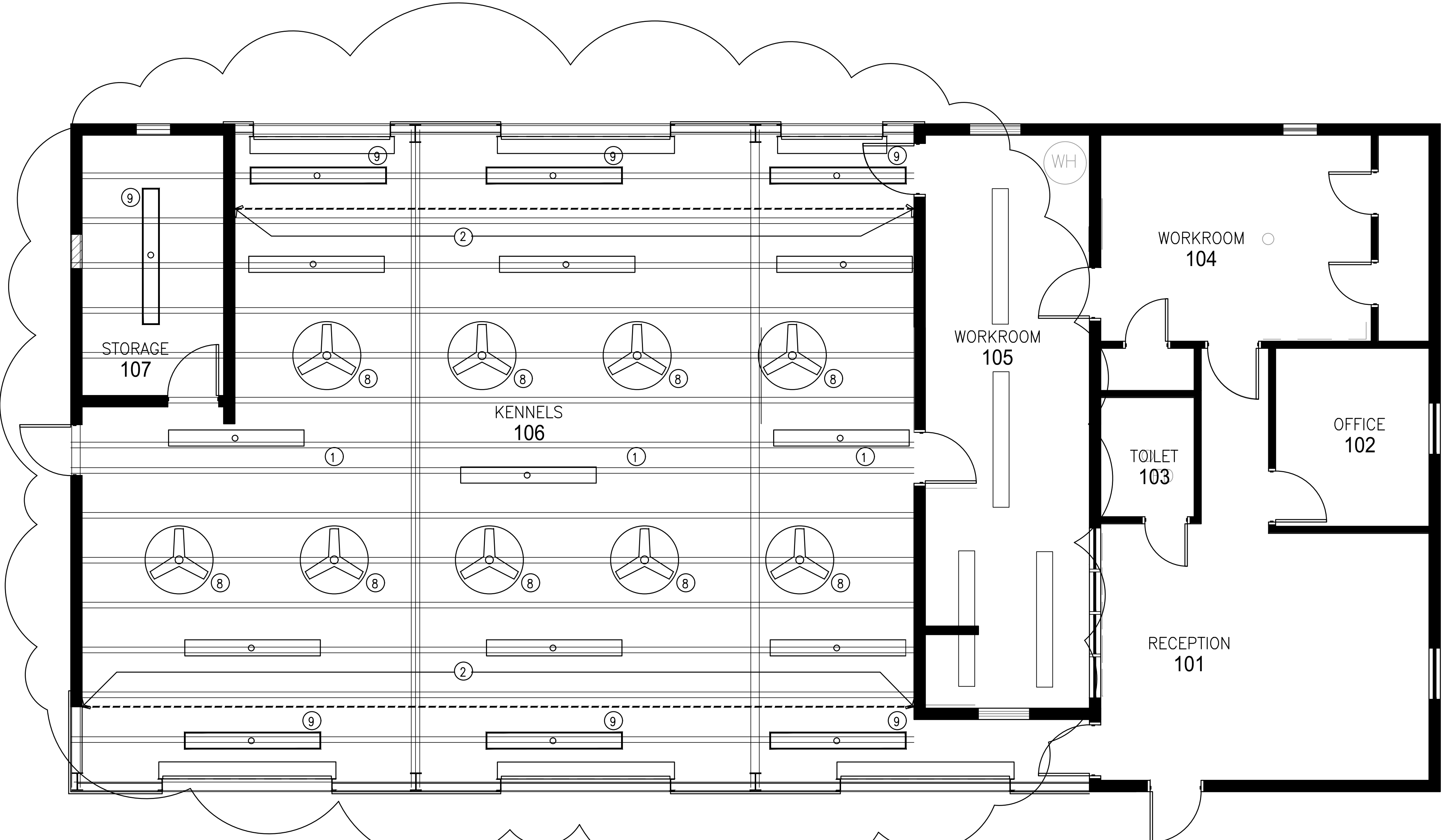
SCALE:1/4"=1'-0"

13

FLOOR PLAN INCINERATOR BLDG

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

11



CEILING PLAN

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

1

ISSUE DATES	
DATE	DESCRIPTION
09/14/22	ISSUED FOR PERMITTING
10/20/22	REVISIONS

PROJECT TEAM	
MEP ENGINEER:	James E Thompson & Associates 1169 County Road 136A Alvin, Texas 77511 832.526.0160
STRUCTURAL ENGINEER	CJG Engineers 3200 Wilcrest Dr. Suite 305 Houston, Texas 77042 713.780.3345
CIVIL:	

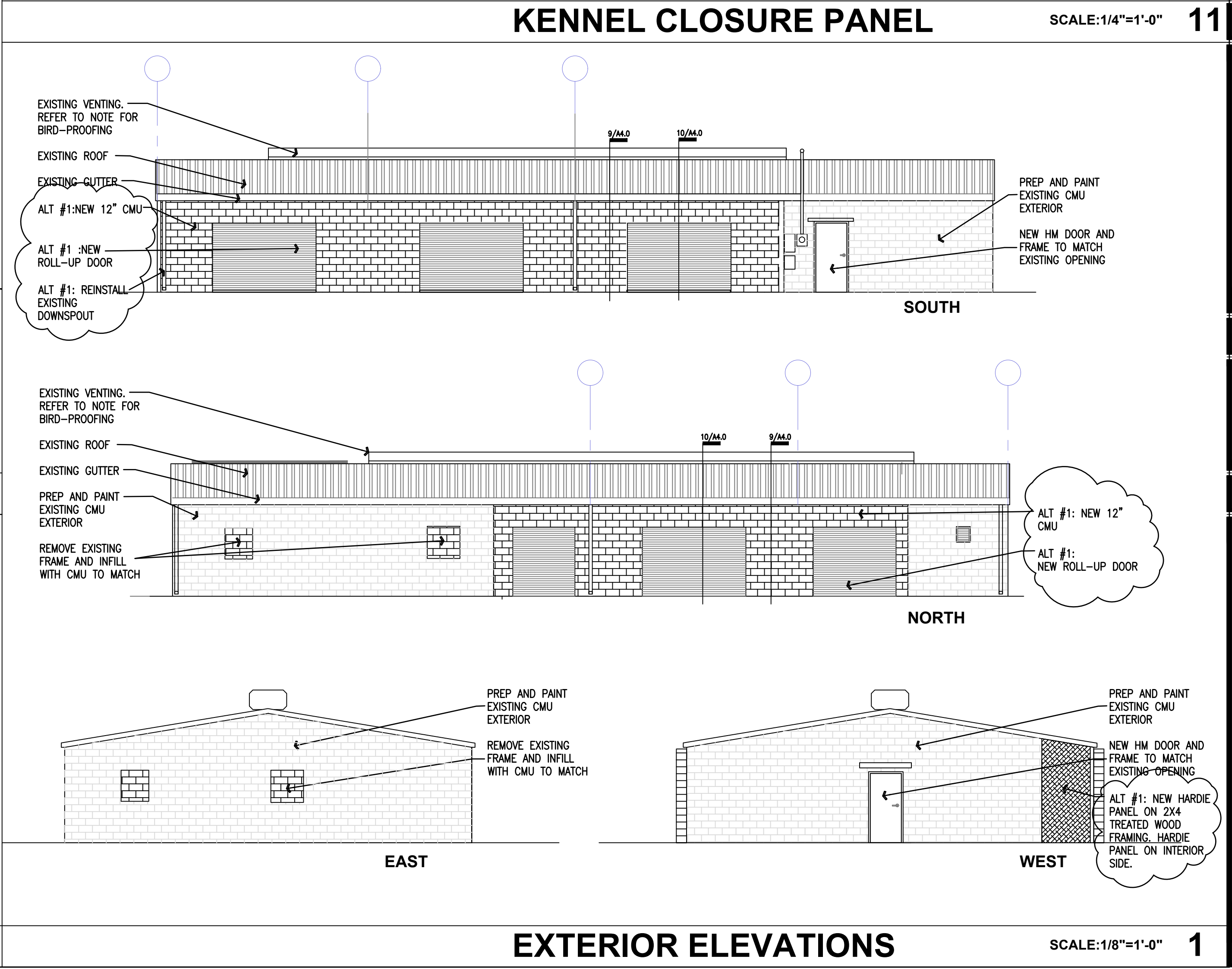
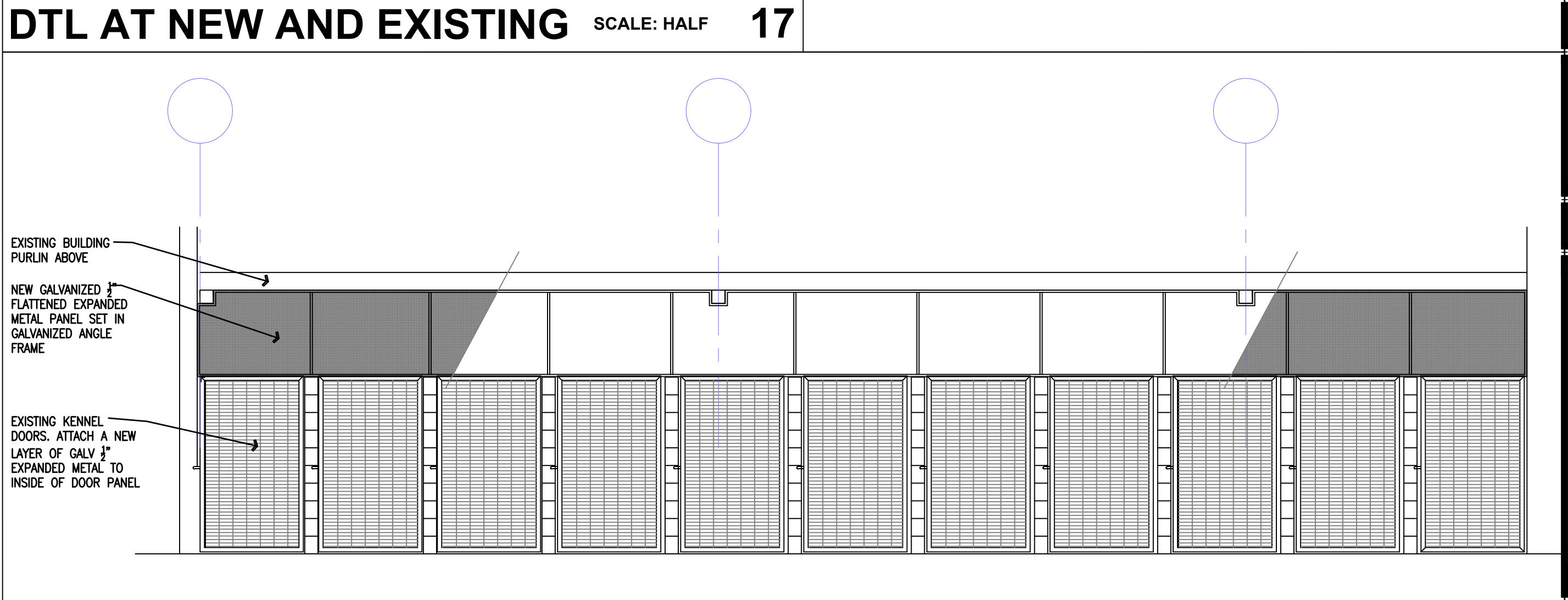
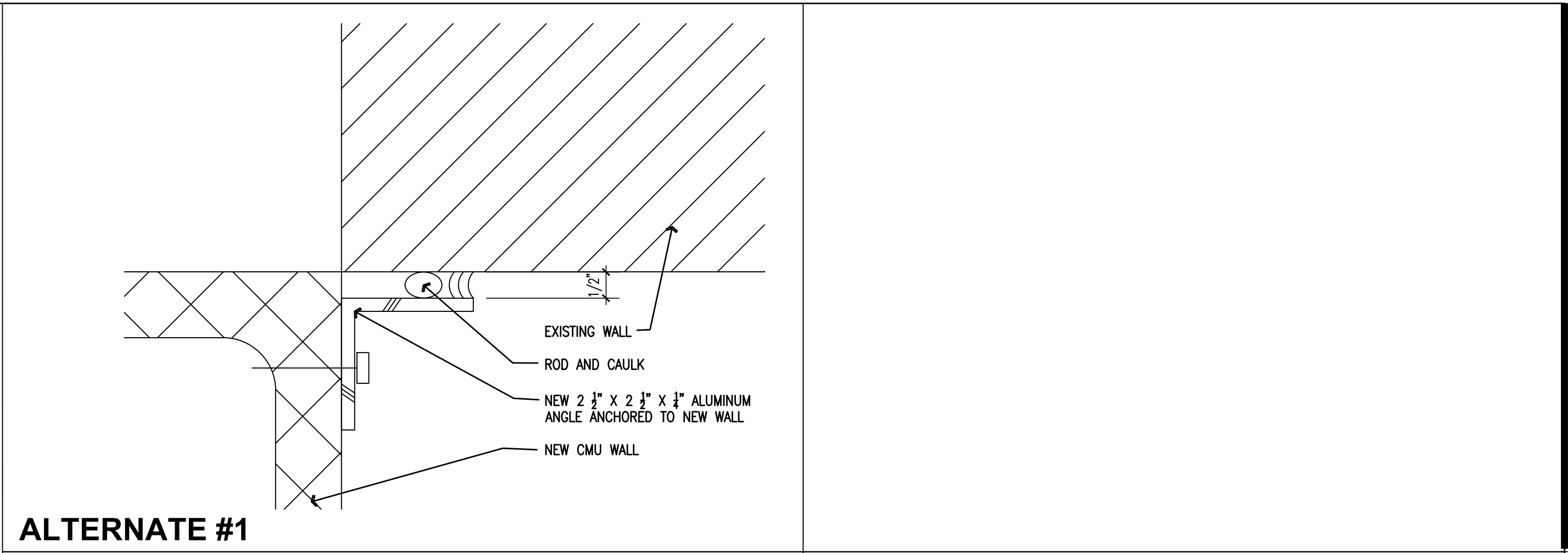
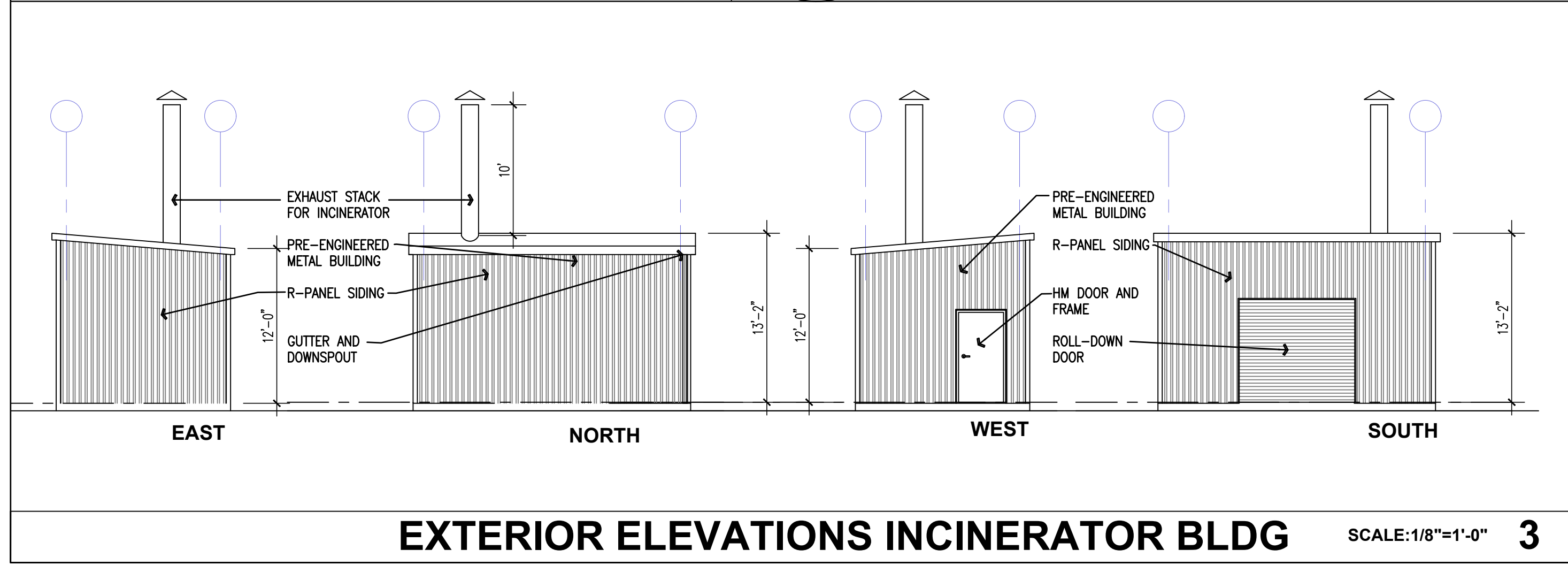
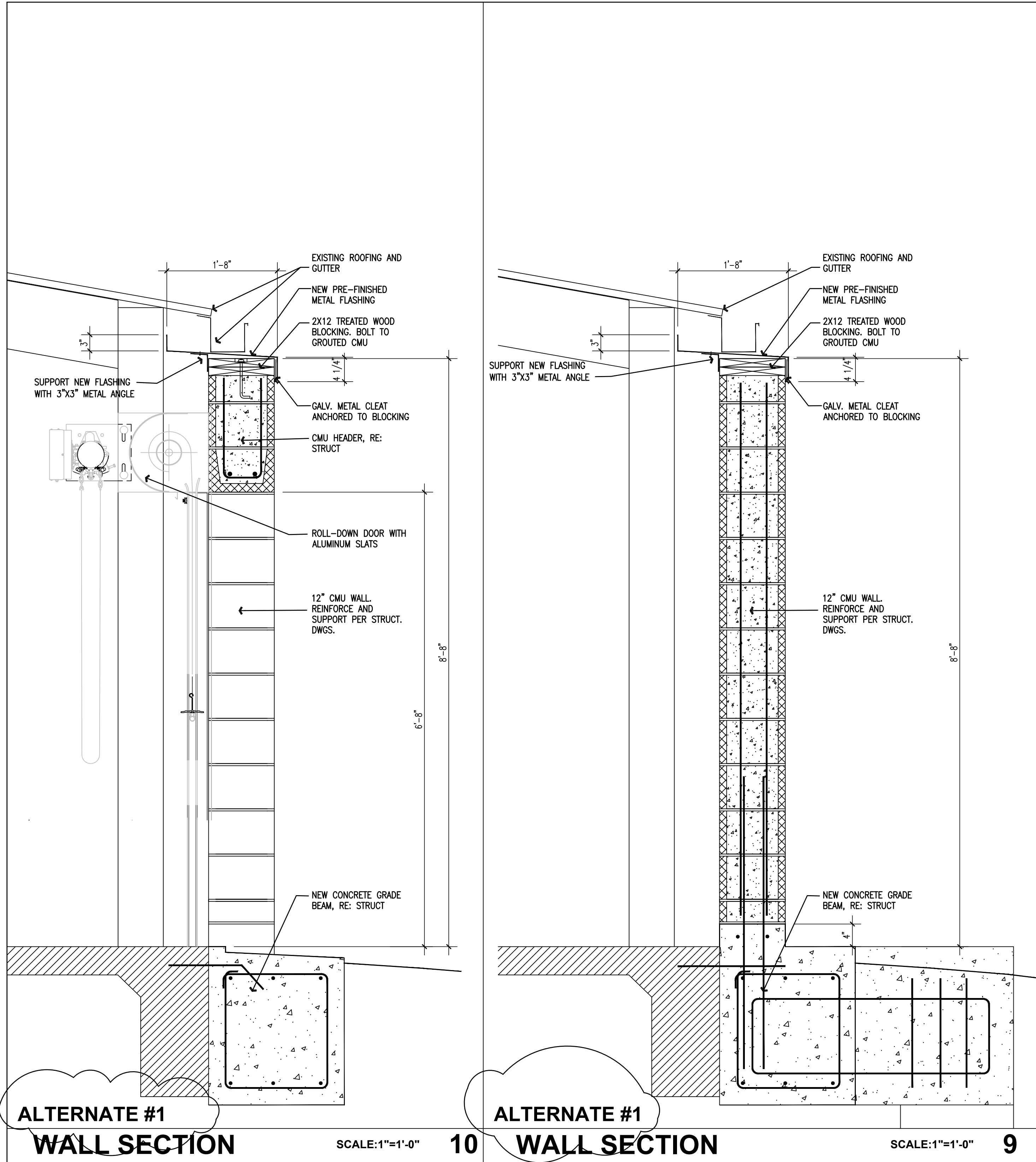
This electronic drawing file is released under the authority of Swart Architects, Inc., who maintains the original file. This electronic drawing file may be used as a background drawing. Pursuant to Rule 1.102(f) of the Rules and Regulations of the Texas Board of Architectural Examiners, the user of this electronic drawing file agrees to assume all responsibility for any modification to or use of this drawing file that is inconsistent with the requirements of the Rules and Regulations of the Texas Board of Architectural Examiners. No person may make any modification to this electronic drawing file without the Architect's express written permission.

Renovations and Additions to
Port Lavaca Animal Shelter
201 Stringham Port Lavaca, Texas 77979

Swart
Architects

2855 Mangum
Suite 566
Houston, Texas 77092
(713) 823-1660

SA PROJECT NO.:
2209
DATE:
10/20/2022
SHEET TITLE:
SHEET NO.:
A 3.0



ISSUE DATES	
DATE	DESCRIPTION
09/14/22	ISSUED FOR PERMITTING
10/20/22	REVISIONS

PROJECT TEAM
MEP ENGINEER: James E Thompson & Associates
1169 County Road 136A
Alvin, Texas 77511
832.526.0160
STRUCTURAL ENGINEER: CJG Engineers
3200 Wilcrest Dr. Suite 305
Houston, Texas 77042
713.780.3345
CIVIL:

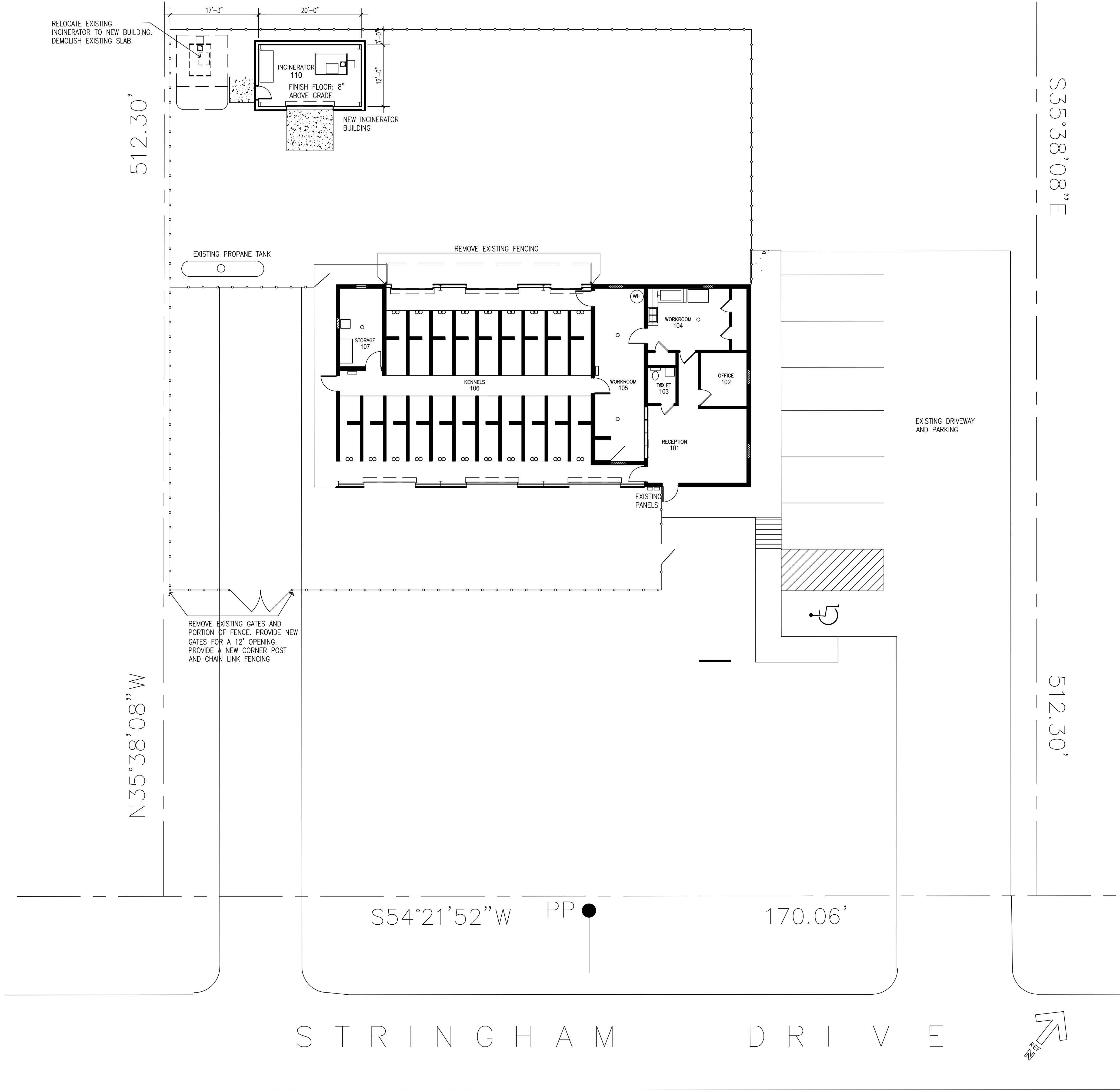
This electronic drawing file is released under the authority of Swart Architects, Inc., who maintains the original file. This electronic drawing file may be used as a background drawing. Pursuant to Rule 1.102(1) of the Rules and Regulations of the Texas Board of Architectural Examiners, the user of this electronic drawing file agrees to assume all responsibility for any modification to or use of this drawing file that is inconsistent with the requirements of the Rules and Regulations of the Texas Board of Architectural Examiners. No person may make any modification to this electronic drawing file without the Architect's express written permission.

Renovations and Additions to
Port Lavaca Animal Shelter
201 Stringham Port Lavaca, Texas 77979

Swart Architects

2855 Mangum
Suite 568
Houston, Texas 77092
(713) 823-1660

SA PROJECT NO.:
2209
DATE:
10/20/2022
SHEET TITLE:
A 4.0
SHEET NO.:

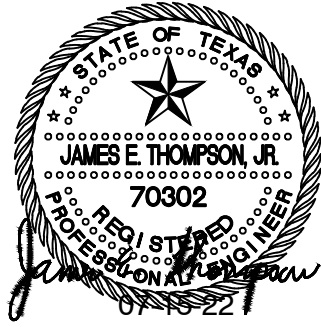


SCOPE OF WORK

1. ELECTRICAL – PROVIDE ELECTRICAL LIGHTING FOR NEW INCINERATOR BUILDING. REPLACE LIGHTS IN EXISTING KENNEL. RECONNECT ELECTRICAL TO INCINERATOR. FIELD-ROUTE WIRING AND CONNECTIONS UNDERGROUND AS REQUIRED,
2. PLUMBING – RELOCATE PLUMBING ASSOCIATED WITH INCINERATOR TO ACCOMMODATE NEW LOCATION.
3. MECHANICAL – NA.

NOTES:

1. ALL CONTRACTORS SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH THE PROJECT PRIOR TO BID. CONTRACTORS SHALL OBTAIN ALL PERMITS AND PAY ALL FEES.
2. ALL OUTSIDE ELECTRICAL EQUIPMENT INSTALLED IN THIS PROJECT SHALL BE LOCKABLE AND VANDAL RESISTANT TO THE GREATEST EXTENT POSSIBLE. COORDINATE SPECIFIC REQUIREMENTS WITH THE OWNER'S REPRESENTATIVE.
3. ALL UNDERGROUND CONDUIT RUNS SHALL CONTAIN PULL BOXES NO FARTHER THAN 150' APART.
4. PROVIDE 1" CONDUIT SLEEVE UNDER ANY PAVEMENT, DO NOT CUT THROUGH PAVEMENT.
5. SLOPE CONDUITS RUNNING INTO BUILDING DOWN AND AWAY FROM BUILDING 2 DEGREES MINIMUM. PROVIDE WATER-TIGHT SEAL.
6. UNDERGROUND CONDUIT RUNS ARE DIAGRAMMATIC ONLY. ROUTE IN MOST EXPEDITIOUS MANNER. COORDINATE CONDUIT RUNS WITH OWNER'S REPRESENTATIVE.



JAMES E. THOMPSON & ASSOCIATES ENGINEERS
First National Bank of Alvin Building
1600 East Highway 6, Suite 331
Alvin, Texas 77511
T: (832)526-0160

- Mechanical • Electrical •
- Plumbing Design •
- Firm Registration #F1288

ISSUE DATES	
DATE	DESCRIPTION
05/03/22	REVIEW SET

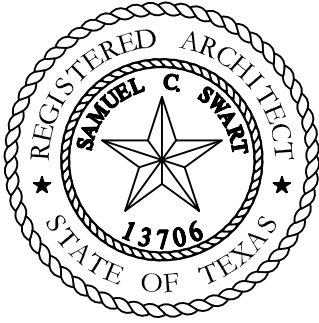
PROJECT TEAM	
MEP ENGINEER:	James E Thompson & Associates 921 Blume Drive Galveston, Texas 77554 832.526.0160
STRUCTURAL ENGINEER	CJG Engineers 3200 Wilcrest Dr. Suite 305 Houston, Texas 77042 713.780.3345
CIVIL:	

This electronic drawing file is released under the authority of Swart Architects, Inc., who maintains the original file. This electronic drawing file may be used as a background drawing. Pursuant to Rule 1.102(f) of the Rules and Regulations of the Texas Board of Architectural Examiners, the user of this electronic drawing file agrees to assume all responsibility for any modification to or use of this drawing file that is inconsistent with the requirements of the Rules and Regulations of the Texas Board of Architectural Examiners. No person may make any modification to this electronic drawing file without the Architect's express written permission.

Renovations and Additions to
Port Lavaca Animal Shelter
201 Stringham Port Lavaca, Texas 77979

Swart Architects

2855 Mangum
Suite 566
Houston, Texas 77092
(713) 823-1660



SA PROJECT NO.:	2209
DATE:	05/03/2022
SHEET TITLE:	ELECTRICAL SITE PLAN
SHEET NO.:	ESP1.0

SCOPE OF ELECTRICAL WORK:

1. PROVIDE AND INSTALL NEW LIGHT FIXTURES IN KENNEL AREA AS REQUIRED, LIGHTS, AND POWER PER PLANS AND SPECIFICATIONS.
2. PROVIDE NEW EXTERIOR (BATTERY) EMERGENCY EGRESS LIGHTS AS REQUIRED BY CURRENT CODES.
- 3.FIELD VERIFY AVAILABLE FAULT CURRENT AND MARK ON PLANS., DATE AND SIGN PER CITY OF HOUSTON CODE REQUIREMENTS.

GENERAL NOTES

1. IF REQUIRED, CONTACT POWER COMPANY CONSULTANT PRIOR TO DOING ANY WORK. PURCHASE ALL PERMITS AND PAY ALL FEES.

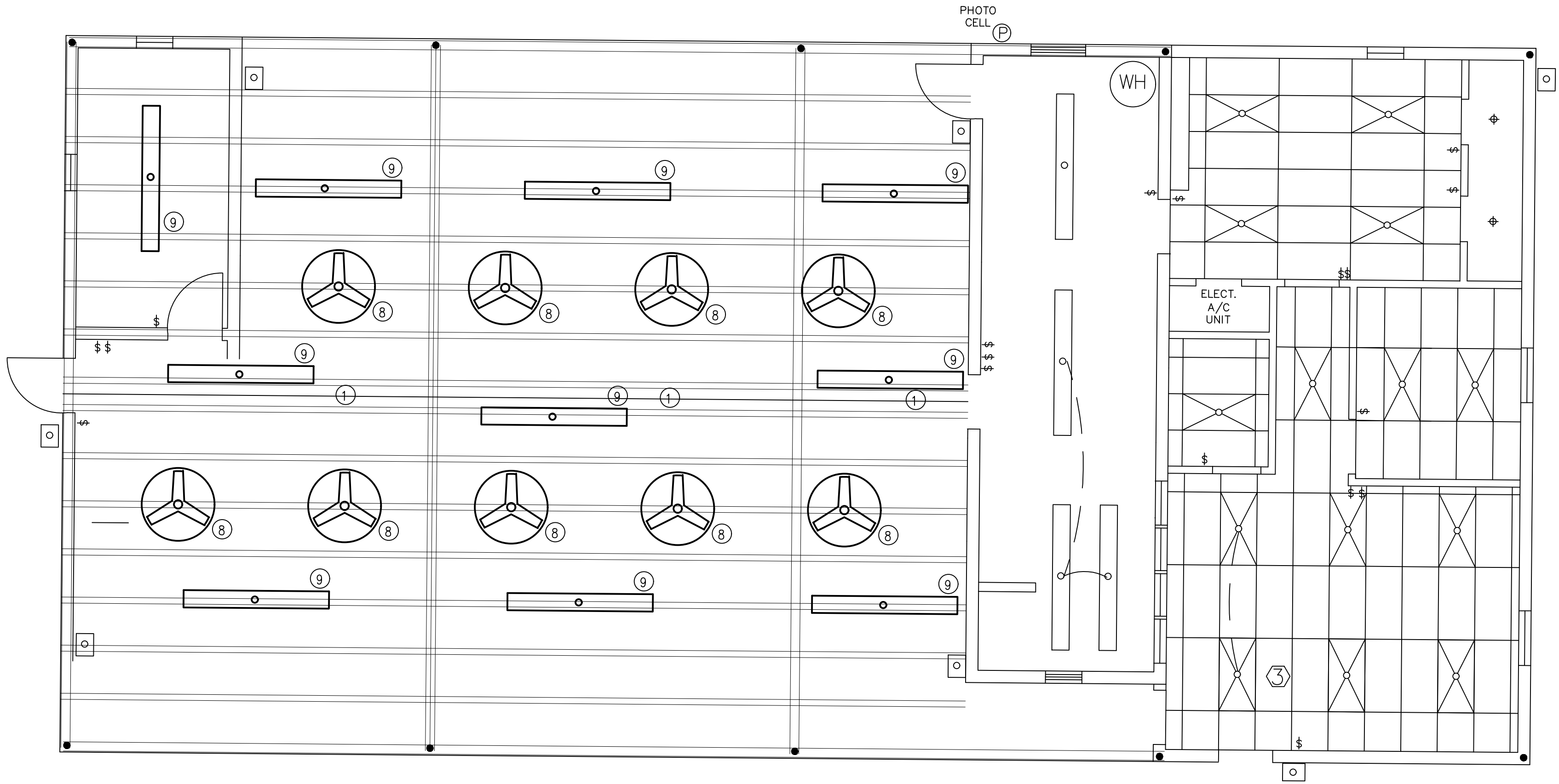
ELECTRICAL NOTES:

1. LIGHT FIXTURES TO BE SERVED BY CONDUIT AND JUNCTION BOXES.
2. COORDINATE LIGHT FIXTURE LOCATIONS WITH OTHER REQUIREMENTS. COORDINATE WITH OWNER/ARCHITECT.
3. EXACT LOCATIONS OF SWITCHES SHALL BE AS PER EXISTING OR AS DIRECTED BY THE OWNER.
4. SWITCHING IS SHOWN DIAGRAMMATICALLY. CONSULT WITH OWNER'S REPRESENTATIVE TO EXACT FUNCTIONALITY OF SWITCHING. PROVIDE ADDITIONAL SWITCHES AND/OR RECEPTACLES IF REQUIRED BY OWNER.

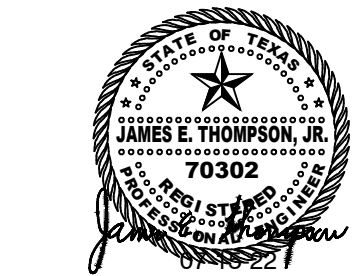
ELECTRICAL NOTES:(CONTINUED)

1. ALL PANELS TO BE MARKED FOR ARC FLASH HAZARD PER NEC 110.16.
2. FAULT CURRENT SHOWN ON E3.0 IS BASED ON EXISTING PHYSICAL TRANSFORMER CONFIGURATION. EC TO VERIFY EXACT AVAILABLE SHORT CIRCUIT CURRENT AND PROVIDE FOR FULLY RATED EQUIPMENT.
3. ALL WORK TO BE IN COMPLIANCE WITH NEC 2020.

ELECTRICAL LEGEND	
MARK	DESCRIPTION
	FLUORESCENT FIXTURE
	FLUORESCENT FIXTURE WITH BATTERY PACK
	WALL BRACKET FIXTURE
	FLUORESCENT FIXTURE
	EXIT LIGHT
	SINGLE RECEPTACLE
	DUPLEX CONVENIENCE OUTLET
	FLOOR MOUNTED DUPLEX OUTLET
	240V OUTLET
	OUTLET WITH GROUND FAULT CIRCUIT INTERRUPTER
	RECEPTACLE WITH ISOLATED GROUND
	QUAD PLEX CONVENIENCE OUTLET
	WALL SWITCH
	3-WAY SWITCH
	SWITCH W/PILOT LIGHT
	PASSIVE INFRARED WALL SWITCH/SENSOR W/MANUAL ON/OFF CONTROL
	MOTOR RATED SWITCH
	MOTOR
	CIRCUIT HOME-RUN TO PANEL
	SWITCH LEG
	TELEPHONE OUTLET 1' TO ABOVE CEILING WITH WIRE TO TELEPHONE TERMINAL BOARD
	DISCONNECT SWITCH
	JUNCTION BOX
	120V HARDWIRED CONNECTION
	208V/1Ø HARDWIRED CONNECTION
	MOTION DETECTOR, ARROW INDICATES DIRECTION
	PHOTOCELL
	208V/3Ø HARDWIRED CONNECTION
	ELECTRICAL PANEL



1 ELECTRICAL LIGHTING PLAN
SCALE : 1/4" = 1'-0"



JAMES E. THOMPSON & ASSOCIATES ENGINEERS

First National Bank of Alvin Building
1600 East Highway 6, Suite 331
Alvin, Texas 77511
T: (832)526-0160

- Mechanical • Electrical •
- Plumbing Design •
- Firm Registration #F1288

ISSUE DATES	
DATE	DESCRIPTION
05/03/22	REVIEW SET

PROJECT TEAM
MEP ENGINEER: James E Thompson & Associates
921 Blume Drive
Galveston, Texas 77554
832.526.0160
STRUCTURAL ENGINEER: C/JG Engineers
3200 Wilcrest Dr. Suite 305
Houston, Texas 77042
713.780.3345

DVL:

This electronic drawing file is released under the authority of Swart Architects, Inc., who maintains the original file. This electronic drawing file may be used as a background drawing. Pursuant to Rule 1.102(f) of the Rules and Regulations of the Texas Board of Architectural Examiners, the user of this electronic drawing file agrees to assume all responsibility for any modification to or use of this drawing file that is inconsistent with the requirements of the Rules and Regulations of the Texas Board of Architectural Examiners. No person may make any modification to this electronic drawing file without the Architect's express written permission.

Renovations and Additions to
Port Lavaca Animal Shelter
201 Stringham Port Lavaca, Texas 77979

Swart
Architects

2855 Mangum
Suite 566
Houston, Texas 77092
(713) 823-1660



SA PROJECT NO.:

2209

DATE:

05/03/2022

SHEET TITLE:

LIGHTING PLAN

SHEET NO.:

E1.0

SCOPE OF ELECTRICAL WORK:

1. PROVIDE AND INSTALL NEW LIGHT FIXTURES IN CREMATORIA AREA AS REQUIRED, LIGHTS, AND POWER PER PLANS AND SPECIFICATIONS.
2. FIELD VERIFY AVAILABLE FAULT CURRENT AND MARK ON PLANS., DATE AND SIGN PER CITY OF HOUSTON CODE REQUIREMENTS.

GENERAL NOTES

1. IF REQUIRED, CONTACT POWER COMPANY CONSULTANT PRIOR TO DOING ANY WORK. PURCHASE ALL PERMITS AND PAY ALL FEES.

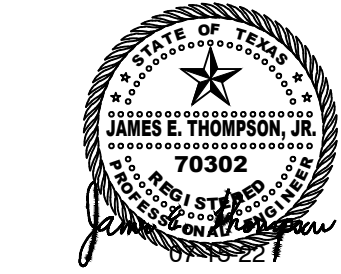
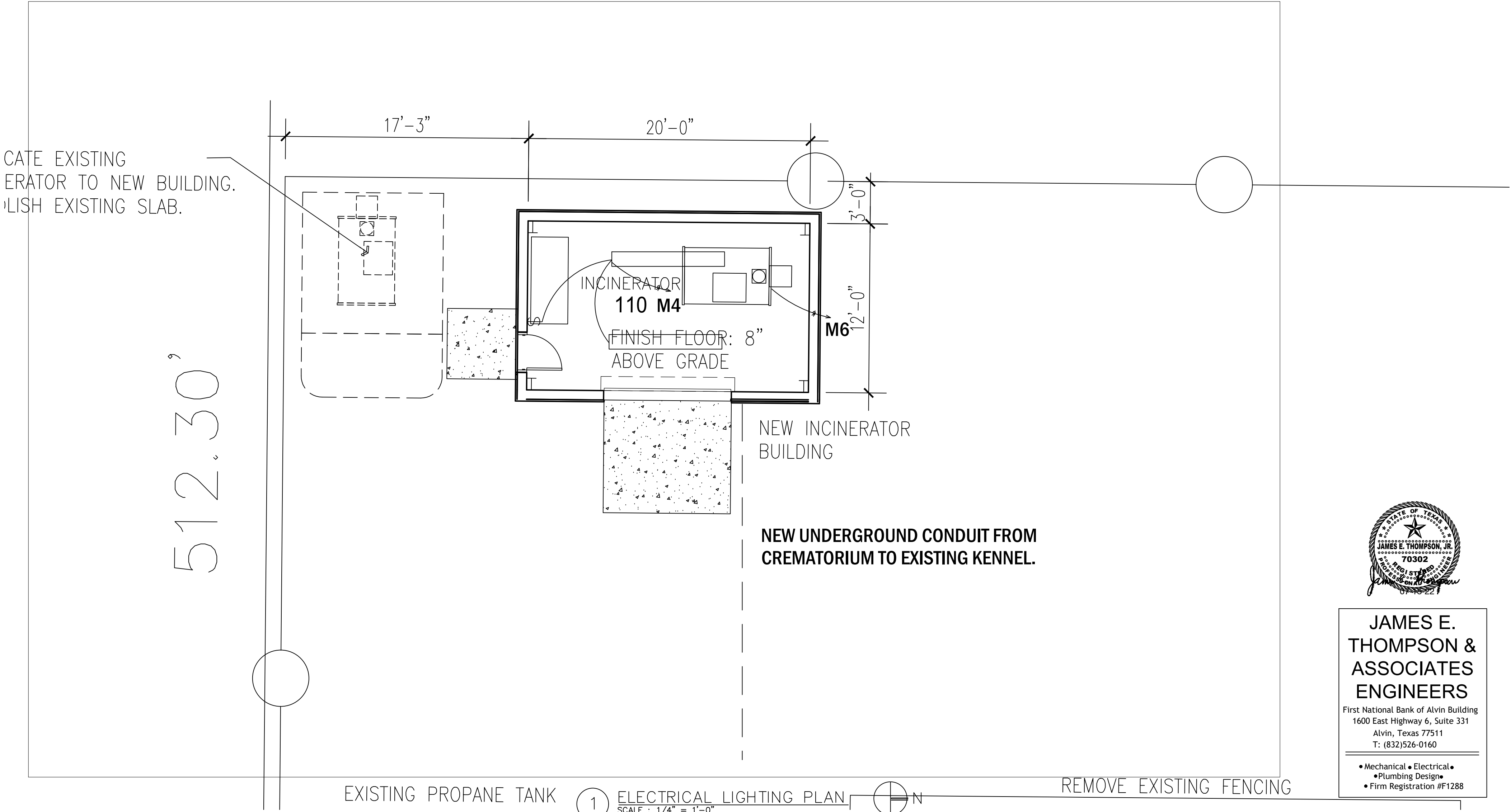
ELECTRICAL NOTES:

1. LIGHT FIXTURES TO BE SERVED BY CONDUIT AND JUNCTION BOXES.
2. COORDINATE LIGHT FIXTURE LOCATIONS WITH OTHER REQUIREMENTS. COORDINATE WITH OWNER/ARCHITECT.
3. EXACT LOCATIONS OF SWITCHES SHALL BE AS PER EXISTING OR AS DIRECTED BY THE OWNER.
4. SWITCHING IS SHOWN DIAGRAMMATICALLY. CONSULT WITH OWNER'S REPRESENTATIVE TO EXACT FUNCTIONALITY OF SWITCHING. PROVIDE ADDITIONAL SWITCHES AND/OR RECEPTACLES IF REQUIRED BY OWNER.

ELECTRICAL NOTES:(CONTINUED)

5. ALL PANELS TO BE MARKED FOR ARC FLASH HAZARD PER NEC 110.16.
6. FAULT CURRENT SHOWN ON E3.0 IS BASED ON EXISTING PHYSICAL TRANSFORMER CONFIGURATION. EC TO VERIFY EXACT AVAILABLE SHORT CIRCUIT CURRENT AND PROVIDE FOR FULLY RATED EQUIPMENT.
7. ALL WORK TO BE IN COMPLIANCE WITH NEC 2020.
8. RUN 1" C., PVC SCHEDULE 80, 3/10, 1#12G UNDERGROUND FROM NEW CREMATORIUM BUILDING TO EXISTING PANEL 'M' IN KENNEL AREA. DO NOT CUT ANY EXISTING PAVEMENT, BORE UNDER.

ELECTRICAL LEGEND	
MARK	DESCRIPTION
	FLUORESCENT FIXTURE
	FLUORESCENT FIXTURE WITH BATTERY PACK
	WALL BRACKET FIXTURE
	FLUORESCENT FIXTURE
	EXIT LIGHT
	SINGLE RECEPTACLE
	DUPLEX CONVENIENCE OUTLET
	FLOOR MOUNTED DUPLEX OUTLET
	240V OUTLET
	OUTLET WITH GROUND FAULT CIRCUIT INTERRUPTER
	RECEPTACLE WITH ISOLATED GROUND
	QUAD PLEX CONVENIENCE OUTLET
	WALL SWITCH
	3-WAY SWITCH
	SWITCH W/PILOT LIGHT
	PASSIVE INFRARED WALL SWITCH/SENSOR W/MANUAL ON/OFF CONTROL
	MOTOR RATED SWITCH
	MOTOR
	CIRCUIT HOME-RUN TO PANEL
	SWITCH LEG
	TELEPHONE OUTLET 1' C TO ABOVE CEILING WITH WIRE TO TELEPHONE TERMINAL BOARD
	DISCONNECT SWITCH
	JUNCTION BOX
	120V HARDWIRED CONNECTION
	208V/1Ø HARDWIRED CONNECTION
	MOTION DETECTOR, ARROW INDICATES DIRECTION
	PHOTOCELL
	208V/3Ø HARDWIRED CONNECTION
	ELECTRICAL PANEL



JAMES E. THOMPSON & ASSOCIATES ENGINEERS
First National Bank of Alvin Building
1600 East Highway 6, Suite 331
Alvin, Texas 77511
T: (832)526-0160

• Mechanical • Electrical •
• Plumbing Design •
• Firm Registration #F1288

ISSUE DATES	
DATE	DESCRIPTION
05/03/22	REVIEW SET

PROJECT TEAM

MEP ENGINEER: James E Thompson & Associates
921 Blume Drive
Galveston, Texas 77554
832.526.0160

STRUCTURAL ENGINEER: CJG Engineers
3200 Wilcrest Dr. Suite 305
Houston, Texas 77042
713.780.3345

CIVIL:

This electronic drawing file is released under the authority of Swart Architects, Inc., who maintains the original file. This electronic drawing file may be used as a background drawing. Pursuant to Rule 1.102(f) of the Rules and Regulations of the Texas Board of Architectural Examiners, the user of this electronic drawing file agrees to assume all responsibility for any modification to or use of this drawing file that is inconsistent with the requirements of the Rules and Regulations of the Texas Board of Architectural Examiners. No person may make any modification to this electronic drawing file without the Architect's express written permission.

Renovations and Additions to
Port Lavaca Animal Shelter
201 Stringham Port Lavaca, Texas 77979

Swart Architects

2855 Mangum
Suite 566
Houston, Texas 77092
(713) 823-1660

REGISTERED ARCHITECT
JAMES C. SWART
13704
STATE OF TEXAS

SA PROJECT NO.:
2209

DATE:
05/03/2022

SHEET TITLE:
LIGHTING PLAN

SHEET NO.:
E1.1

DESIGN LOAD ANALYSIS	
BASED ON 120/240 VOLT 1 PHASE 3- WIRE ELECTRIC SERVICE BY PWR CO.	
SERVICE CAPACITY	48 kVA
HIGHEST KVA IN PRECEEDING 12 MONTHS (AUG)	26 kVA
+ 25 PERCENT (NEC)	39 kVA
LOAD ADDED	0.1 kVA
LOAD REMOVED	0.4 kVA
TOTAL	38.7 kVA
REMAINING SERVICE CAPACITY	9.3 kVA
SERVICE CONDUCTORS ARE 2-#1, 1-2, 1-4G BASED ON THIS ANALYSIS, THE SERVICE HAS 19.3% OF IT'S CAPACITY REMAINING	

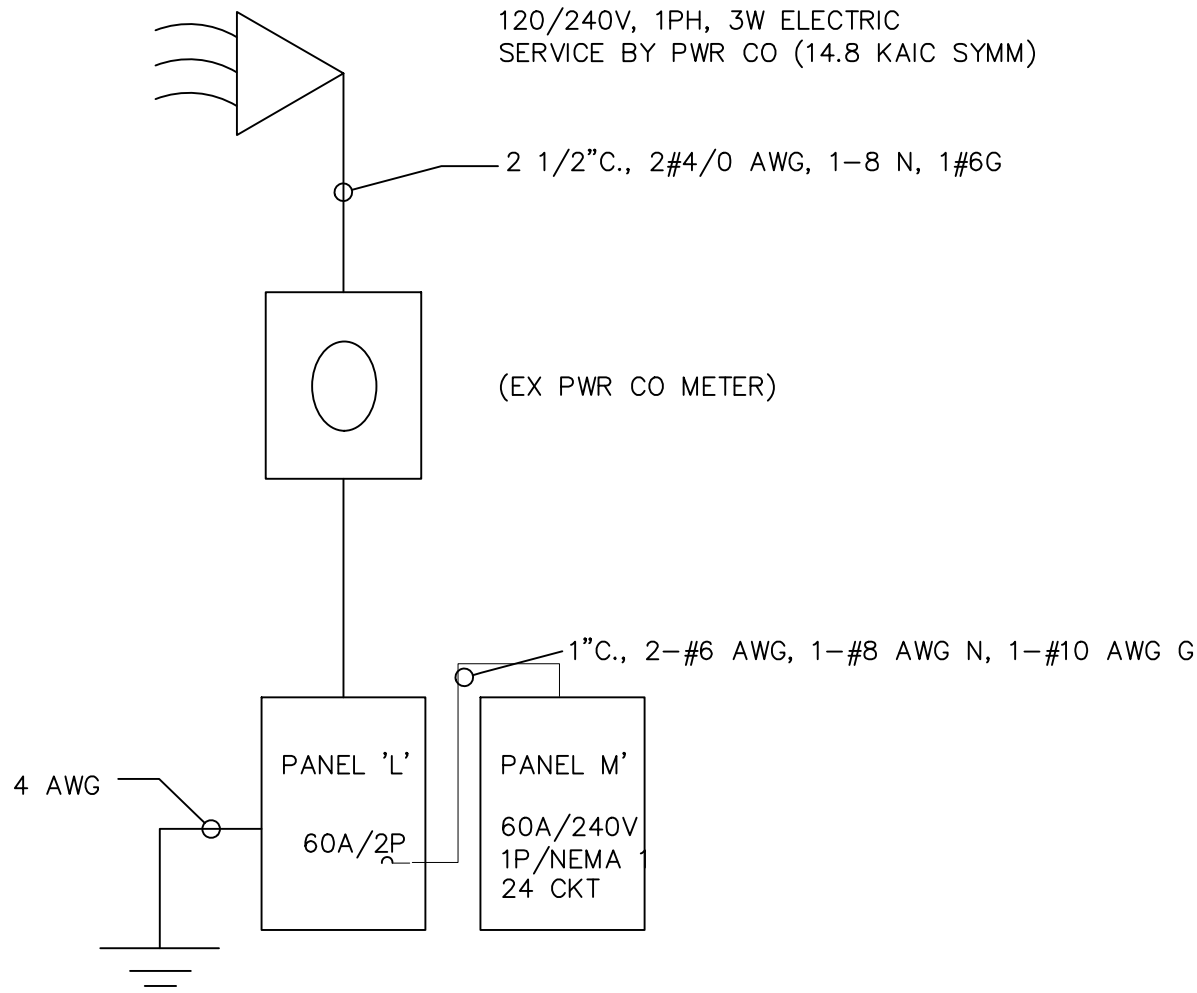
LIGHT FIXTURE SCHEDULE				
TYPE	MANUFACTURER & MODEL	FINISH	MOUNTING	NO.,SIZE & TYPE
A	2x4 LED, PLT SOLNS #PLT-90093	WHITE	CHAIN	1-16W LED

- NOTES
1. VERIFY VOLTAGES BEFORE ORDERING ANY FIXTURES.
 2. ALL FIXTURES TO BE "OR EQUAL".

PANEL "L" EXISTING CU BUS 10 KAIC					120/240V 1PH 3W SURFACE MOUNT NEMA 3R 125A MCB, 125A BUS NEUTRAL+GND BUS				
NO.	DESCRIPTION	LOAD	WIRE	OCF	NO.	DESCRIPTION	LOAD	WIRE	OCF
1	OFFICE LTS	900	12	20	2	CAT PLUGS	3000	3	100
3	OFFICE LTS	900	12	2P	4			3	2P
5	OFFICE LTS	900	12	20	6	RECEPTS OFF	360	12	20
7	RECEP KENNEL	720	12	2P	8	LTS OFFICE	360	12	2P
9	OUTSIDE LTS	360	12	20	10	LTS OFFICE	360	12	20
11	KENNEL LTS	360	12	20	12	WATER HEATER	2000	10	30
13	MISC	4000	10	50	14	-	-	10	2P
15			10	2P	16	MISC	300	6	60
17	MISC	3000	10	30	18			6	2P
19			10	2P	20	MISC	300	12	20
21	MISC	3000	10	30	22	SUBFEED	300	6	60
23			10	2P	24		300	6	2P

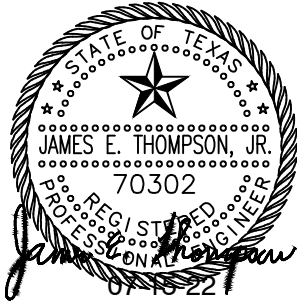
14860 6980
AMPACITY REQ'D=15460/240 X 1.25=80.5 AMPS

PANEL "M" EXISTING CU BUS 10 KAIC					120/240V 1PH 3W SURFACE MOUNT 300 NEMA 3R 60A MLO, 60A BUS NEUTRAL+GND BUS				
NO.	DESCRIPTION	LOAD	WIRE	OCF	NO.	DESCRIPTION	LOAD	WIRE	OCF
1	MISC		12	20	2	MISC		12	20
3	MISC		12	20	4	LTS	80	12	20
5	MISC		12	20	6				
7	MISC		12	20	8				



ONE LINE DIAGRAM

NTS



JAMES E. THOMPSON & ASSOCIATES ENGINEERS

First National Bank of Alvin Building
1600 East Highway 6, Suite 331
Alvin, Texas 77511
T: (832)526-0160

• Mechanical • Electrical •
• Plumbing Design •
• Firm Registration #F1288

ELECTRICAL SCHEDULES

NTS

ISSUE DATES	
DATE	DESCRIPTION
05/03/22	REVIEW SET

PROJECT TEAM	
MEP ENGINEER:	James E Thompson & Associates 921 Bloom Drive Galveston Texas 77554 832.526.0160
STRUCTURAL ENGINEER	CJG Engineers 3200 Wilcrest Dr, Suite 305 Houston, Texas 77042 713.780.3345
Civil:	

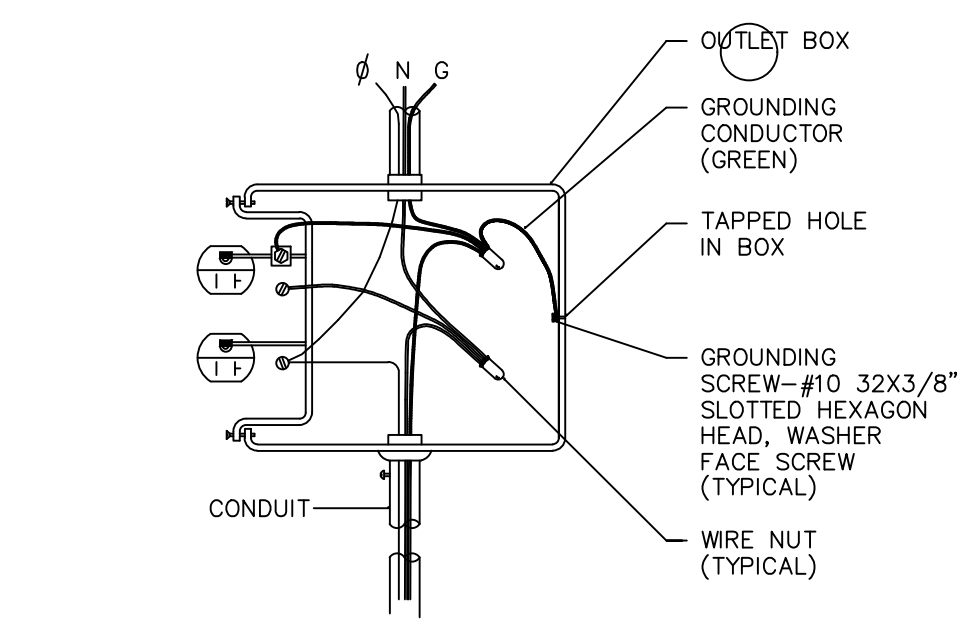
This electronic drawing file is released under the authority of Swart Architects, Inc., who maintains the original file. This electronic drawing file may be used as a background drawing. Pursuant to Rule 1.102(f) of the Rules and Regulations of the Texas Board of Architectural Examiners, the user of this electronic drawing file agrees to assume all responsibility for any modification to or use of this drawing file that is inconsistent with the requirements of the Rules and Regulations of the Texas Board of Architectural Examiners. No person may make any modification to this electronic drawing file without the Architect's express written permission.

Renovations and Additions to
Port Lavaca Animal Shelter
201 Stringham Port Lavca, Texas 77979

Swart Architects

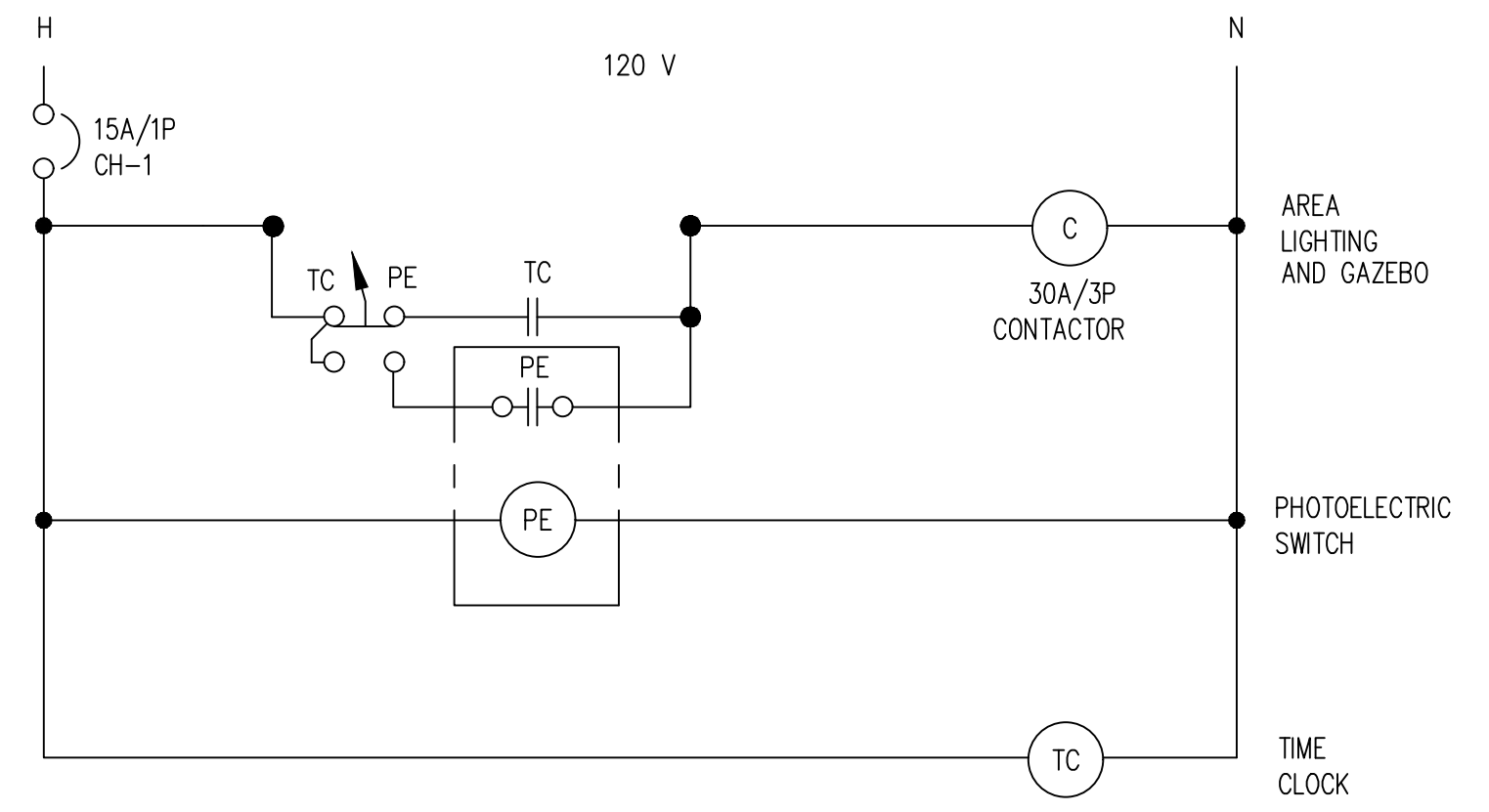
2855 Mangum
Suite 500
Houston, Texas 77092
(713) 823-1660

SA PROJECT NO.:
2209
DATE:
05/03/2022
SHEET TITLE:
ELEC SCHEDULES/ONE LINE
SHEET NO.:
E2.0



NOTE: GROUNDING CONDUCTOR SHALL BE CONTINUOUS SO THAT REMOVAL OF DEVICE WILL NOT INTERFERE WITH CONDUCTOR CONTINUITY.

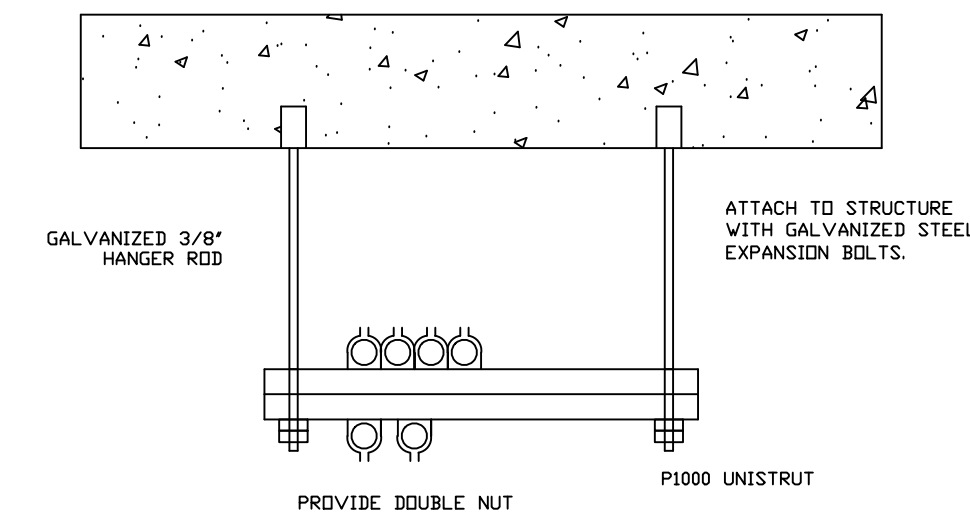
1 TYPICAL RECEPTACLE OUTLET CONNECTION
NTS



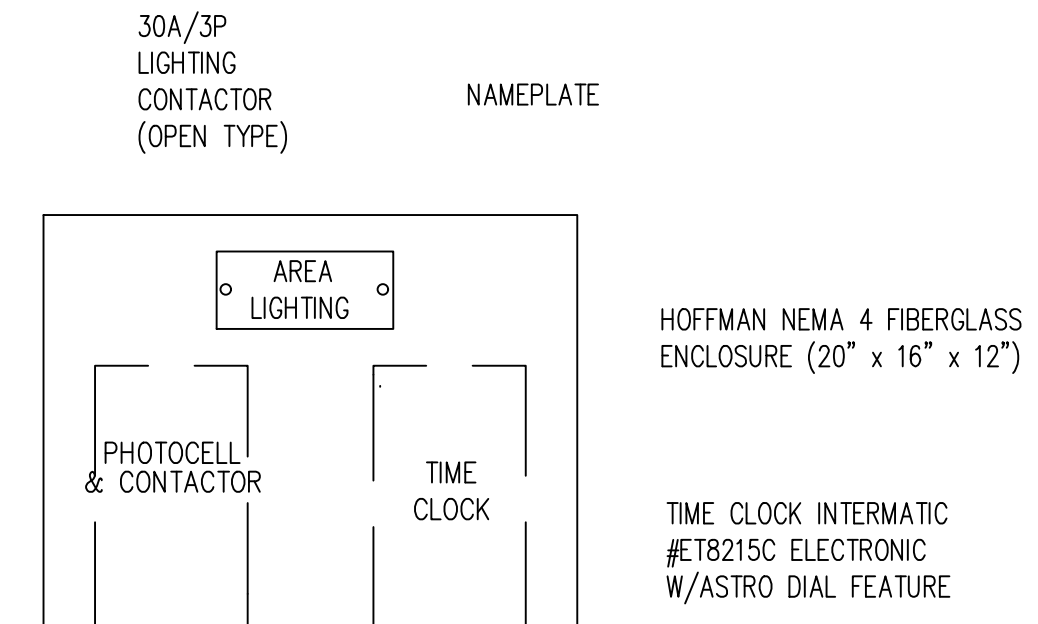
2 OUTSIDE LIGHTING CONTROL DIAGRAM
NTS

NOTES:

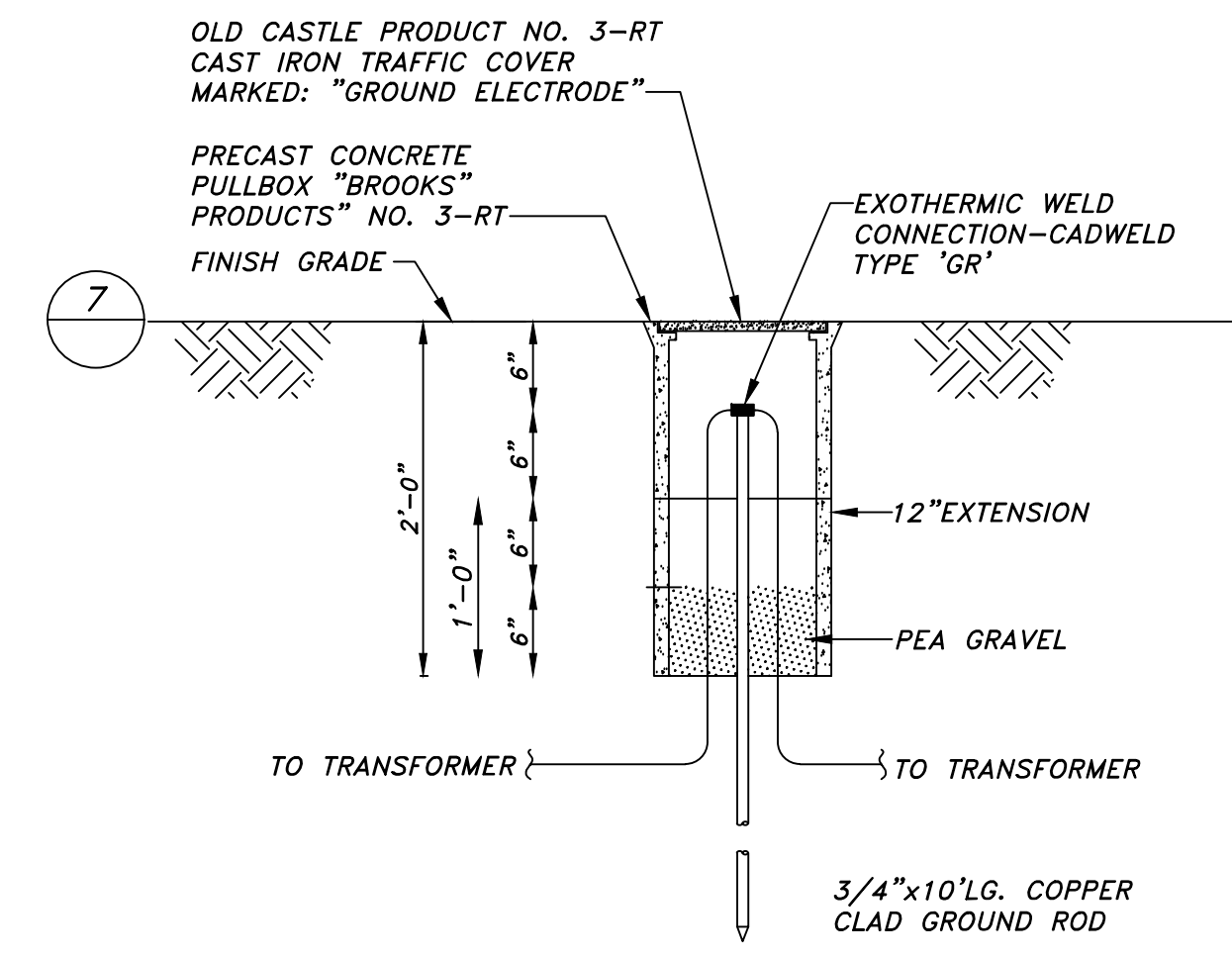
1. ALL FIXTURES ARE 120 VOLTS UNLESS NOTED OTHERWISE.
2. WET LOCATION RATING REQ'D.
3. FIXTURES SHOWN ARE IDENTIFIED BY TYPE. PROVIDE FIXTURES AS REQUIRED BY OWNER/ ARCHITECT.



4 TYPICAL CONDUIT IN CEILING STRUCTURE
NTS

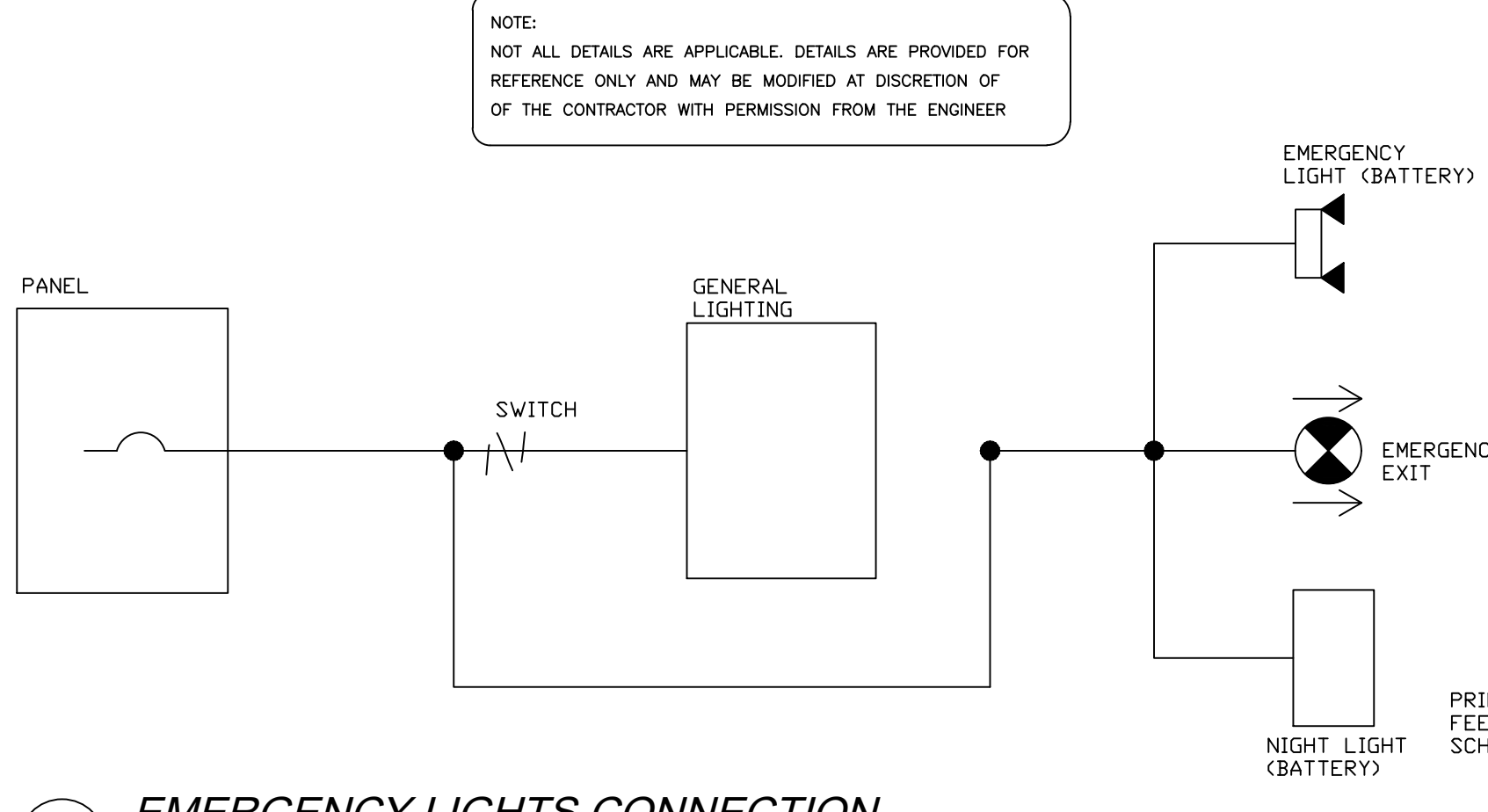


5 LIGHTING CONTROL PANEL
NTS
NOTE: WALL DETAIL IS TYPICAL. MODIFY INSTALLATION AS REQUIRED.



NOTE: GROUND CONNECTION TO ACCOMMODATE LINE SIZE CONDUCTOR.

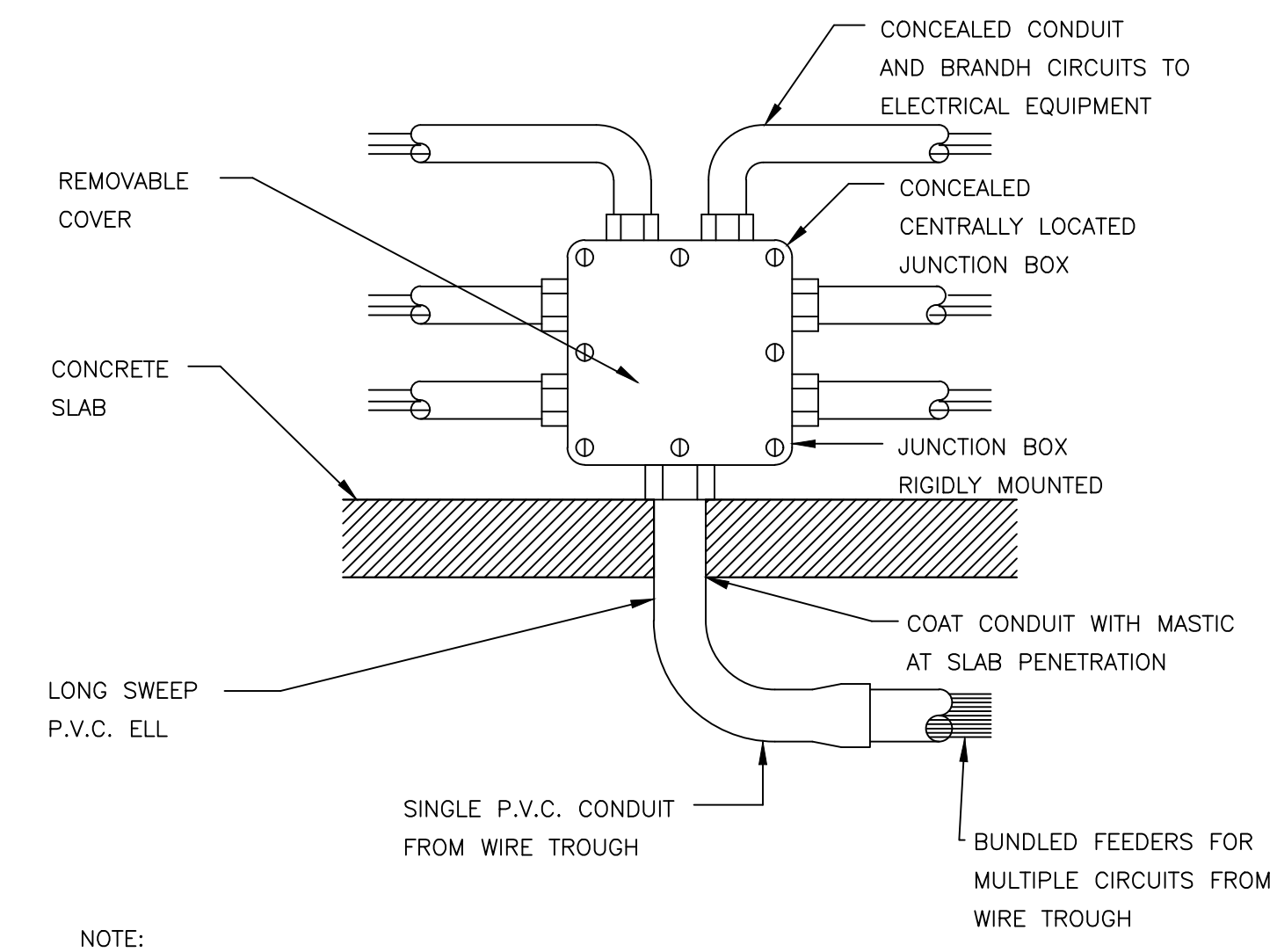
TYPICAL GROUNDING SYSTEM DETAIL
NTS



8 EMERGENCY LIGHTS CONNECTION
NTS

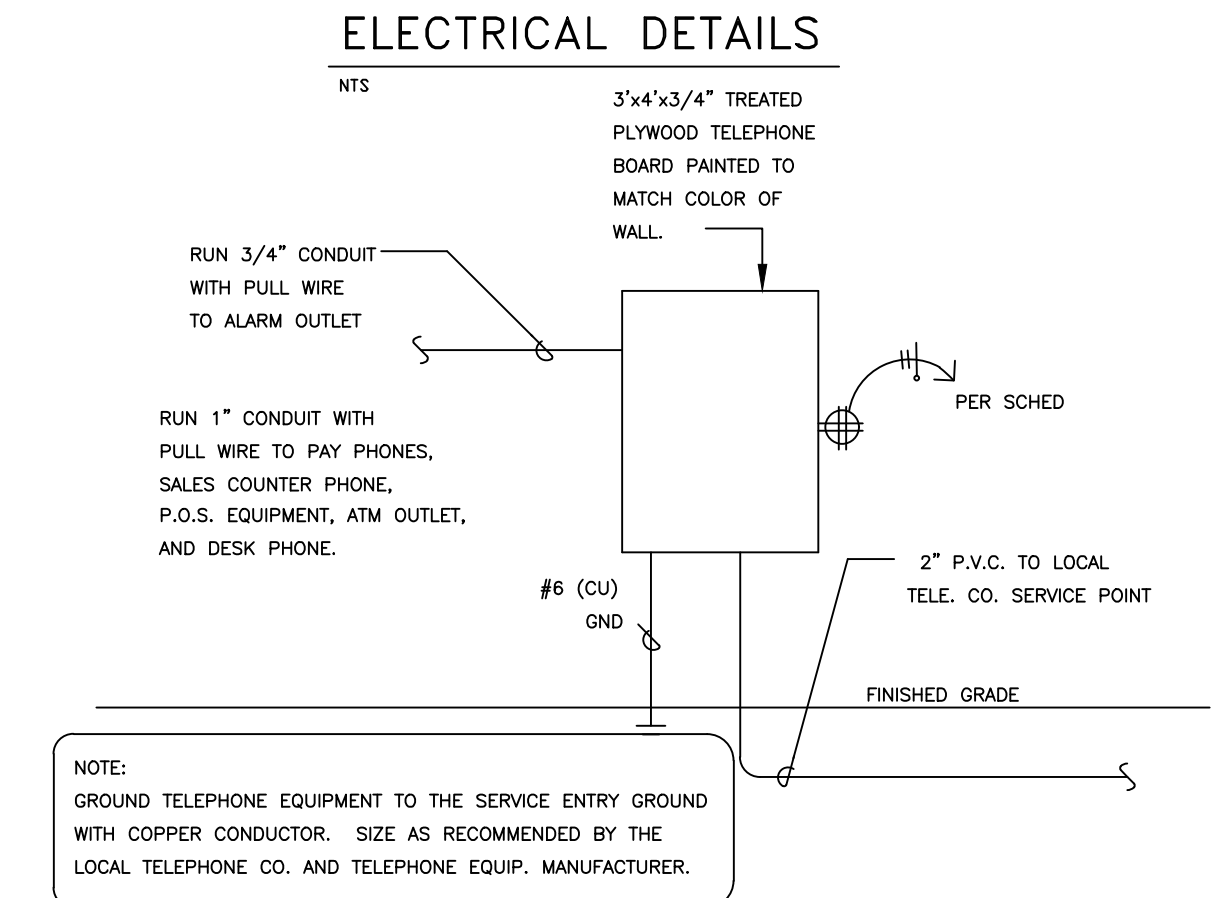
ALL EMERGENCY, EXIT, EGRESS, AND NIGHT LIGHTS EQUIPPED WITH BATTERY BACK UP POWER SUPPLIES SHALL BE CONNECTED TO CIRCUITS AHEAD OF ANY SWITCHING (SEE NFPA 70, NEC 700.12(F).)

NOTE: NOT ALL DETAILS SHOWN ARE APPLICABLE TO THIS PROJECT

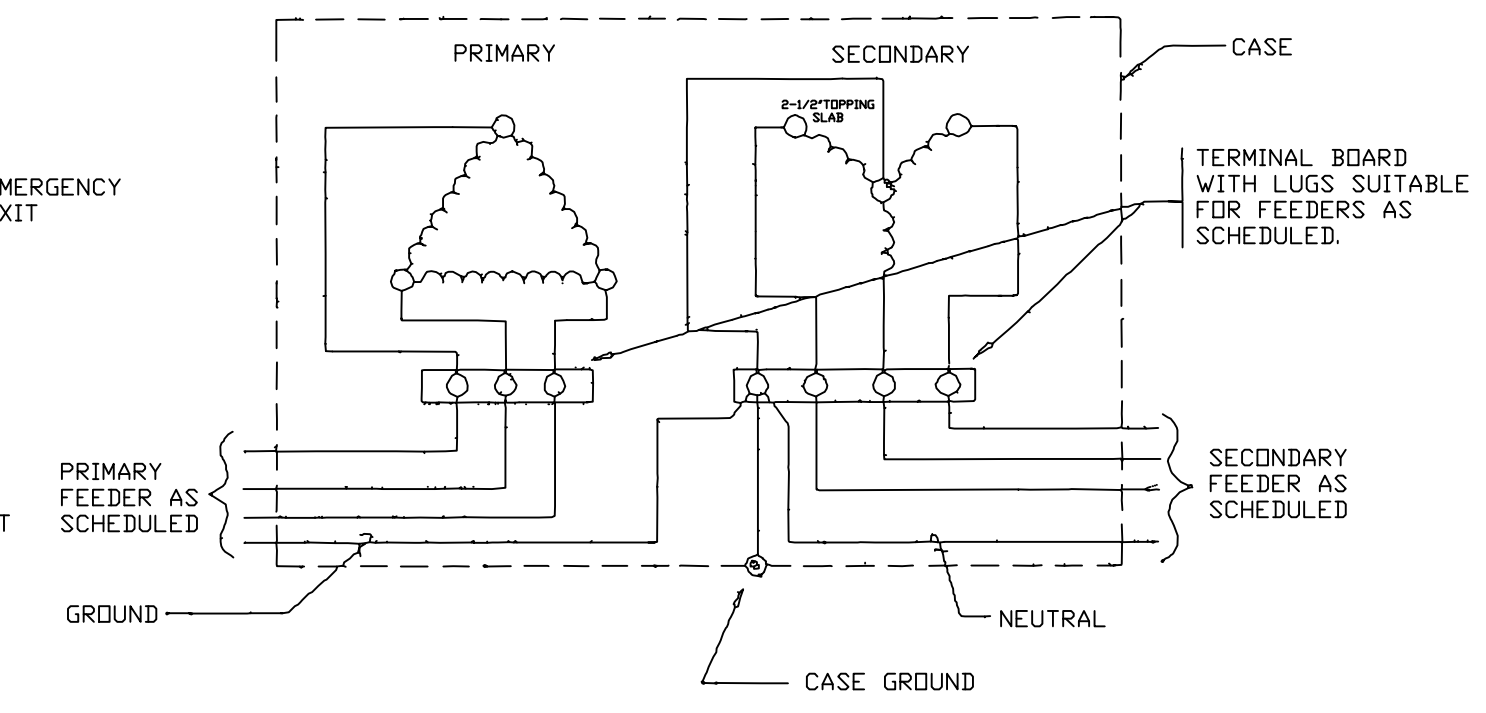


NOTE: ELECTRICAL CONTRACTOR SHALL COMBINE DIFFERENT BRANCH CIRCUITS INTO ONE CONDUIT WHERE EQUIPMENT BEING FED IS IN THE SAME PROXIMITY AND CONCEALMENT OF JUNCTION BOX AND CONDUITS CAN BE ACCOMPLISHED.

3 TYPICAL JUNCTION BOX CONNECTIONS
NTS



6 TELEPHONE BOARD DETAIL
NTS



9 TYPICAL TRANSFORMER CONNECTION
NTS

ISSUE DATES	
DATE	DESCRIPTION
05/03/22	REVIEW SET

PROJECT TEAM
MEP ENGINEER: James E Thompson & Associates
921 Blume Drive
Galveston, Texas 77554
832.526.0160
STRUCTURAL ENGINEER: CJG Engineers
3200 Wilcrest Dr. Suite 3C
Houston, Texas 77042
713.780.3345
CIVIL:

This electronic drawing file is released under the authority of Swart Architects, Inc., who maintains the original file. This electronic drawing file may be used as a background drawing Pursuant to Rule 1.102(f) of the Rules and Regulations of the Texas Board of Architectural Examiners, the user of this electronic drawing file agrees to assume all responsibility for any modification or use of this drawing file that is inconsistent with the requirements of the Rules and Regulations of the Texas Board of Architectural Examiners. No person may make any modification to this electronic drawing file without the Architect's express written permission.

Renovations and Additions to
Port Lavaca Animal Shelter
201 Stringham Port Lavaca, Texas 77979

Swart Architects

2855 Mangum
Suite 566
Houston, Texas 77092
(713) 823-1660



JAMES E. THOMPSON & ASSOCIATES ENGINEERS
First National Bank of Alvin Building
1600 East Highway 6, Suite 331
Alvin, Texas 77511
T: (832)526-0160
• Mechanical • Electrical •
• Plumbing Design •
• Firm Registration #1288

SA PROJECT NO.:

2209

DATE:

05/03/2022

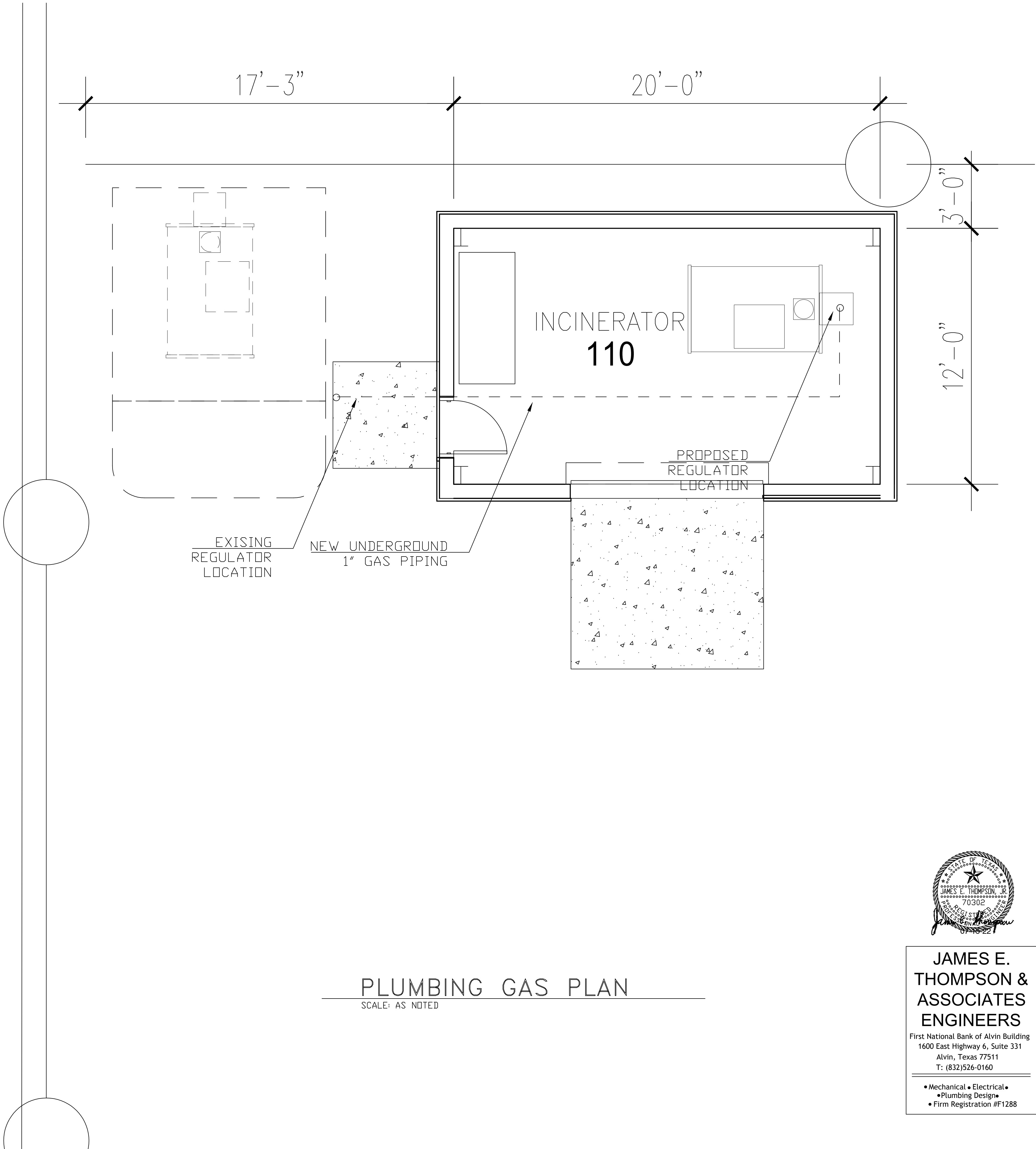
SHEET TITLE: **ELECTRICAL DETAILS**

SHEET NO.:

E3.0

SCOPE OF PLUMBING WORK

1. EXISTING INCINERATOR TO BE RELOCATED TO NEW BUILDING LOCATED ADJACENT TO EXISTING SITE,
2. DISCONNECT AND RELOCATE EXISTING GAS METER AS INDICATED ON PLANS.
3. EXTEND EXISTING PIPING FROM EXISTING REGULATOR LOCATION TO NEW LOCATION AND MAKE FINAL CONNECTIONS. RELOCATE REGULATOR.
4. COORDINATE WITH LOCAL GAS COMPANY IF REQUIRED. OBTAIN ALL PERMITS AND PAY ALL FEES.
5. SIZE PIPING AS PER EXISTING UNLESS A LARGER SIZE IS WARRANTED BY LOCAL CODES.
6. PIPING EXTENSION SHALL BE RUN UNDERGROUND IN ACCORDANCE WITH ALL APPLICABLE CODES. COORDINATED WITH OWNER/ARCHITECT.



ISSUE DATES	
DATE	DESCRIPTION
05/03/22	REVIEW SET

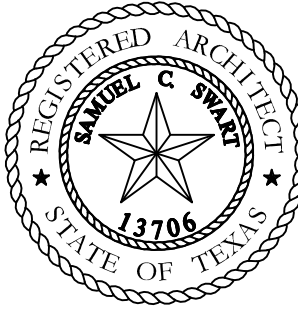
PROJECT TEAM	
MEP ENGINEER:	James E Thompson & Associates 921 Blume Drive Galveston, Texas 77554 832.526.0160
STRUCTURAL ENGINEER:	CJG Engineers 3200 Wilcrest Dr. Suite 305 Houston, Texas 77042 713.780.3345
CIVIL:	

This electronic drawing file is released under the authority of Swart Architects, Inc., who maintains the original file. This electronic drawing file may be used as a background drawing. Pursuant to Rule 1.102(f) of the Rules and Regulations of the Texas Board of Architectural Examiners, the user of this electronic drawing file agrees to assume all responsibility for any modification to or use of this drawing file that is inconsistent with the requirements of the Rules and Regulations of the Texas Board of Architectural Examiners. No person may make any modification to this electronic drawing file without the Architect's express written permission.

Renovations and Additions to
Port Lavaca Animal Shelter
201 Stringham Port Lavaca, Texas 77979

Swart
Architects

2855 Mangum
Suite 566
Houston, Texas 77092
(713) 823-1660



SA PROJECT NO.:

2209

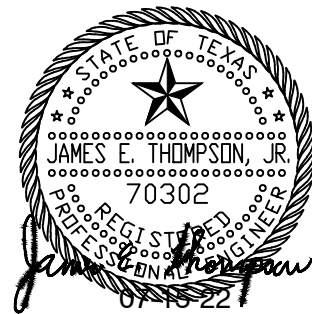
DATE:

05/03/2022

SHEET TITLE:
PLUMBING
FLOOR PLANS

SHEET NO.:

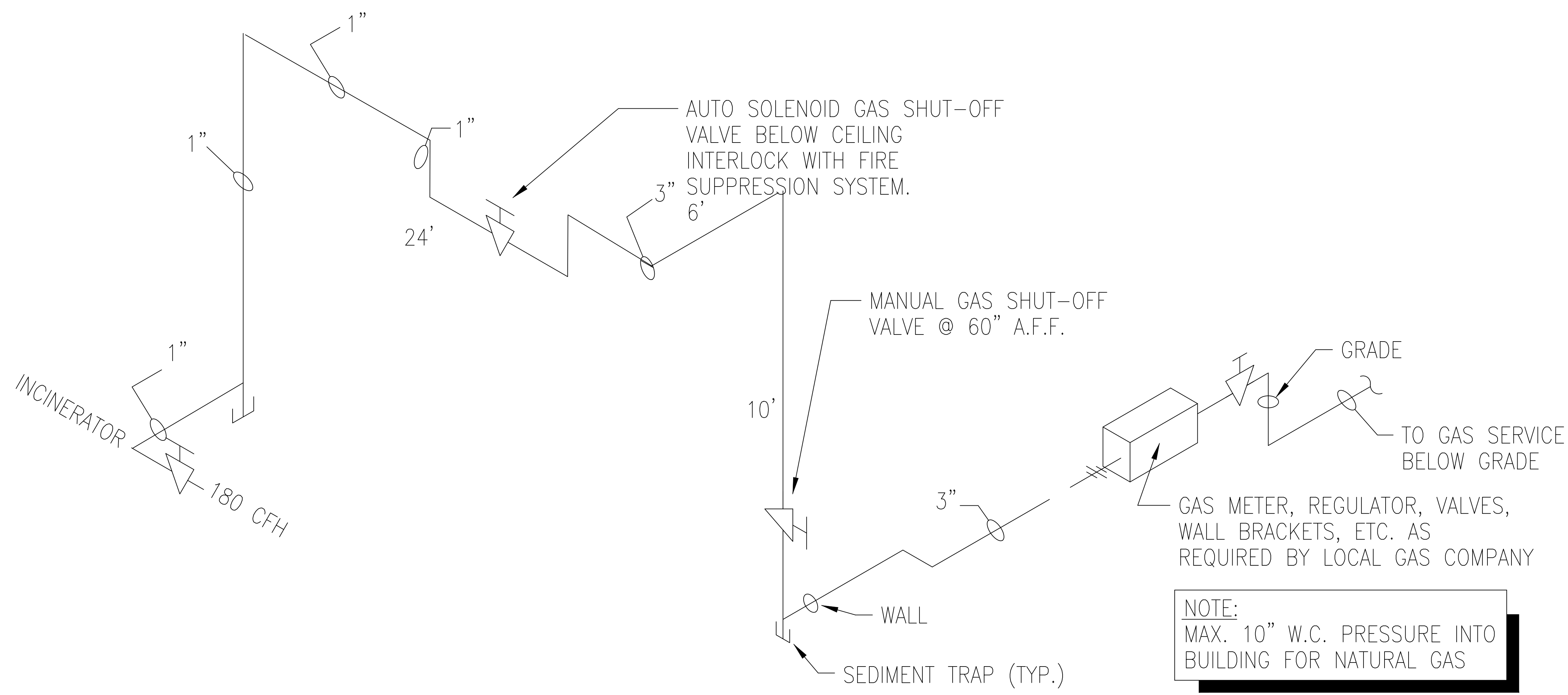
P1.0



JAMES E.
THOMPSON &
ASSOCIATES
ENGINEERS

First National Bank of Alvin Building
1600 East Highway 6, Suite 331
Alvin, Texas 77511
T: (832)526-0160

- Mechanical •Electrical•
- Plumbing Design•
- Firm Registration #F1288



3> TOTAL GAS LOAD = 180 CFH @ 1100 CFH/BTUH GAS
2> DEVELOPED LENGTH = 65 FT, THEREFORE 1" GAS PIPE REQUIRED.
1> 4 OZ PRESSURE

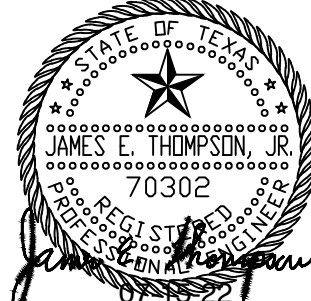
GAS SCHEDULE	CFH
INCINERATOR	318
TOTAL	318

CONTRACTORS TO VERIFY ALL METERING REQUIREMENTS WITH OWNER AND LOCAL UTILITY PRIOR TO BUILD.

GAS RISER

NTS

CONTRACTOR SHALL VERIFY THE ACTUAL GAS REQUIREMENT FOR EACH FIXTURE TO BE INSTALLED AND ALSO FIELD-VERIFY THE ACTUAL LENGHT OF PIPE AS INSTALLED. IF THE EXISTING GAS METER IS NOT SUFFICIENT THE ACCOMMODATE THE REQUIREMENT, THEN CONTRACTOR SHALL HAVE GAS COMPANY INSTALL AN APPROPRIATELY-SIZED GAS METER TO HANDLE THE EXPECTED REQUIREMENT.



JAMES E. THOMPSON & ASSOCIATES ENGINEERS
First National Bank of Alvin Building
1600 East Highway 6, Suite 331
Alvin, Texas 77511
T: (832)526-0160

• Mechanical • Electrical •
• Plumbing Design •
• Firm Registration #F1288

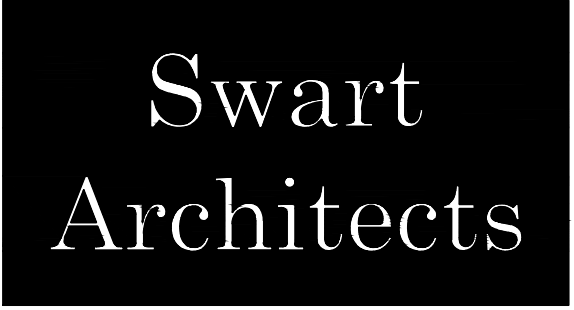
ISSUE DATES	
DATE	DESCRIPTION
05/03/22	REVIEW SET

PROJECT TEAM
MEP ENGINEER: James E Thompson & Associates
921 Blume Drive
Galveston, Texas 77554
832-526-0160
STRUCTURAL ENGINEER: CJG Engineers
3200 Wilcrest Dr. Suite 305
Houston, Texas 77042
713.780.3345
CIVIL:

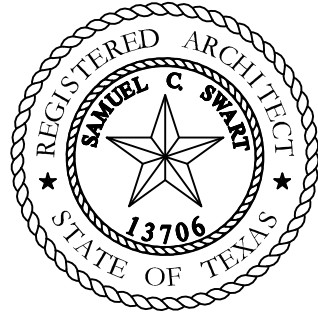
This electronic drawing file is released under the authority of Swart Architects, Inc., who maintains the original file. This electronic drawing file may be used as a background drawing. Pursuant to Rule 1.102(f) of the Rules and Regulations of the Texas Board of Architectural Examiners, the user of this electronic drawing file agrees to assume all responsibility for any modification to or use of this drawing file that is inconsistent with the requirements of the Rules and Regulations of the Texas Board of Architectural Examiners. No person may make any modification to this electronic drawing file without the Architect's express written permission.

Renovations and Additions to Port Lavaca Animal Shelter

201 Stringham Port Lavaca, Texas 77979



2855 Mangum
Suite 566
Houston, Texas 77092
(713) 823-1660



SA PROJECT NO.:
2209
DATE:
05/03/2022
SHEET TITLE:
NATURAL GAS RISER
SHEET NO.:
P2.0