SYMBOL

a  $\bigcirc$  F.X

DESCRIPTION

('F.X'=TYPE a=SWITCH CONTROL I.D.)

('F.X'=TYPE a=SWITCH CONTROL I.D.)

('F.X'=TYPE a=SWITCH CONTROL I.D.)

('F.X'=TYPE a=SWITCH CONTROL I.D.)

CEILING MOUNTED MANUAL ON DUAL TECHNOLOGY

CEILING MOUNTED AUTOMATIC ON DUAL TECHNOLOGY

EMERGENCY LIGHT NIGHT LIGHT

CEILING MTD EXIT LIGHT

('EX' = TYPE)

SITE POLE LIGHT

(S.X' = TYPE)

WITH ARROWS ('EX' = TYPE)

WALL MOUNTED EXIT LIGHT

(a=SWITCH CONTROL I.D.)

(a=SWITCH CONTROL I.D.)

(a=SWITCH CONTROL I.D.)

LOW VOLTAGE OCCUPANCY SENSOR.

LOW VOLTAGE OCCUPANCY SENSOR.

WALL MOUNTED OCCUPANCY SENSOR @ +46"

120-277V, 20A TOGGLE SWITCH @ 46" AFF.

120-277V, 20A THREE WAY TOGGLE SWITCH

120-277V, 20A FOUR WAY TOGGLE SWITCH

120-277V, 20A DIMMER SWITCH @ 46" AFF

(XX WATT-RATING) (a=SWITCH CONTROL I.D.)

LOW VOLTAGE MOMENTARY SWITCH @ 46" AFF

120-277V, 20A TOGGLE SWITCH WITH PILOT "ON"

NOTES: THIS LEGEND IS GENERAL IN NATURE. SOME OF THE LISTED SYMBOLS MAY NOT APPEAR IN THIS SET OF DRAWINGS.

120-277V, 20A KEYED SWITCH @ 46" AFF

120-277V, 20A MOTOR RATED SWITCH

@ 46" AFF. (a=SWITCH CONTROL I.D.)

@ 46" AFF. (a=SWITCH CONTROL I.D.)

O-10V DIMMER SWITCH @ 46" AFF

(a=SWITCH CONTROL I.D.)

(a=SWITCH CONTROL I.D.)

(a=SWITCH CONTROL I.D.)

120-277V, 20A SPRING-WOUND

SPECIAL SWITCHING DEVICE

FEATURE @ 46" AFF.

TIMER @ 46" AFF.

@ 46" AFF.

@ 46" AFF.

RECESSED CAN LTG. FIXTURE

WALL BRACKET LTG. FIXTURE

LIGHT FIXTURE

SYMBOL

XX4

VFD 🔲

LINE TYPE  $\Box$ 

₩IU

DESCRIPTION

NON-FUSED DISCONNECT/SAFETY SWITCH

('XX' IS AMPERAGE RATING OF THE FUSE)

COMBINATION MOTOR STARTER/DISCONNECT

LOW VOLTAGE SLEEVE, WITH EMT BUSHINGS ON

DEVICE/EQUIPMENT EXISTING TO REMAIN

DEVICE/EQUIPMENT TO BE REMOVED

"X" IS DETAIL/ENLARGED PLAN NUMBER

DETAIL/ENLARGED PLAN CALLOUT

125V. 20A. DUPLEX RECEPTACLE

125V. 20A. QUADPLEX RECEPTACLE

('GFI' = GROUND FAULT CIRCUIT INTERRUPTER,

'WIU' = WHILE-IN-USE, 'TR' = TAMPER RESISTANT,

125V, 20A DUPLEX RECEPTACLE, MOUNT @ 18" AFF

TOP OUTLET IS CONTROLLED, AND SHALL BE MARKED

125V, 20A QUADLEX RECEPTACLE, MOUNT @ 18" AFF

A. (AMP)

A (SYM.)

ACP

AD

AFD

AFF

AFG

AHJ

AIC

AR

ATP

AW

AWG

BFG

BLDG.

BTU

BTUH

CAB.

C/B

C/L

CFH

CFM

CKT.

CLG.

COM

CONT

CONN.

CO

COP

CT

CW

DB

DC

DN

DS

DWGS.

DYCO

EA.

EΑ

EAT

EC

EER

EFF.

ENCL.

ESP

EXIST., (E)

DISC.

AVTR

AMPERES

ACCESS DOOR

ACID RESISTANT

ACID WASTE

BUILDING

CONDUIT

CABINET

CIRCUIT

CEILING

CONTINUE

CLEANOUT

DRY BULB

DISCONNECT

DOWN SPOUT

EXHAUST AIR

**EFFICIENCY** 

**ENCLOSURE** 

FUSE(D), FRAME

FLOOR CLEANOUT

EXISTING

DRAWINGS

DOWN

EACH

DIRECT CURRENT

CONNECT (ION)

CENTERLINE

CIRCUIT BREAKER

CUBIC FEET PER HOUR

CUBIC FEET PER MINUTE

COMMUNICATION CONDUIT

CURRENT TRANSFORMER

DOMESTIC COLD WATER

DOUBLE YARD CLEANOUT

ENTERING AIR TEMPERATURE

ENERGY EFFICIENCY RATING

EXTERNAL STATIC PRESSURE

ELECTRICAL CONTRACTOR

COEFFICIENT OF PERFORMANCE

AMPERES SYMMETRICAL

ALTERNATING CURRENT

ABOVE FINISHED FLOOR

ABOVE FINISHED GRADE

AUTOMATIC TRAP PRIMER

AMERICAN WIRE GAGE

BRITISH THERMAL UNITS

BRITISH THERMAL UNITS PER HOUR

BELOW FINAL GRADE

ACID VENT THROUGH ROOF

AIR HANDLING UNIT CONTROL PANEL

ADJUSTABLE FREQUENCY DRIVE

**AUTHORITY HAVING JURISDICTION** 

AMPS INTERRUPTING CAPACITY

125V, 20A DUPLEX RECEPTACLE, HORIZONTALLY

'WP' = WEATHERPROOF/ WEATHER RESISTANT

125V, 20A DUPLEX OR QUADPLEX RECEPTACLE

MOUNT @ 8" ABOVE COUNTERTOP OR 42"AFF

LEFT RECECEPTACLE IS GREEN IN COLOR,

CONTROLLED BY OCCUPANCY SENSOR AND SHALL BE MARKED PER THE NEC

125V, 20A DUPLEX RECEPTACLE

'IG' = ISOLATED GROUND

'CLG' = CEILING MOUNTED)

MOUNTED IN CASEWORK

"XX" IS DRAWING NUMBER

@ 18" AFF.

BOTH ENDS, ('X' INDICATES SIZE)

NEW DEVICE/EQUIPMENT

FUSED DISCONNECT/SAFETY SWITCH

VARIABLE FREQUENCY DRIVE

DRY-TYPE TRANSFORMER

GROUND BUS

PANELBOARD ('XX' = DESIGNATION)

('XX' IS AMPERAGE RATING OF THE SWITCH)

eproduced	y. It shall not be loaned, d, in whole or part, or for a project without the writte	any other
No.	Description	Date

No.	Description	Date

Sheet Title: **ELECTRICAL LEGEND** NOTES, AND

Project Number: 17062 Drawn By:

10/26/18

GENERAL NOTES 1. IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE AND WORKABLE INSTALLATION BE PROVIDED. TO THIS END, THE CONTRACTOR SUPPLEMENTED BY CITY OF AUSTIN STANDARDS. WORK SHALL BE COMPLETE ACCEPTED CONSTRUCTION PRACTICES. WHICH THE WORK WILL BE PERFORMED.

ELECTRICAL LEGEND

SYMBOL

HORIZONTAL

SURFACE FEED

▼ CONCEALED FEED

+

DESCRIPTION

JUNCTION BOX IN WALL @ 18" AFF. (UNO)

SPECIAL PURPOSE RECEPTACLE

CARD ACCESS DEVICE @ 44" AFF.

125V. 20A. SIMPLEX RECEPTACLE

('X'= NUMBER OF GANGS

'FLR' = FLOOR MOUNTED)

'CLG' = CEILING MOUNTED,

SERVICE MOUNTED RACEWAY

REFER TO DETAILS/SPECIFICATIONS

FLOOR BOX FOR POWER, DATACOM, AND A / V

"X" IS THE TYPE, REFER TO SPECIFICATIONS

FIRE RATED POKE-THRU, "X" IS THE TYPE

REFER TO POKE-THRU SCHEDULE

CONTACTOR ('X' = DESIGNATION)

ELECTRIC EYE FOR OVERHEAD DOOR

WALL SPEAKER, CEILING SPEAKER

VOLUME CONTROL @ 46" AFF.

LV CABLING OUTLET @ 18" AFF.

MOUNT @ 8" ABOVE COUNTERTOP

**FLEXIBLE** 

GROUND

GRADE

HOSE BIBB

HARD-DRAWN

HORSEPOWER

DOMESTIC HOT WATER

ISOLATED GROUND

ICE MACHINE BOX

KILO / THOUSAND

ISOLATION

KILO-VOLTS

KILO-WATT

LONG RADIUS

1000 BTU PER HOUR

LIGHTING

MAXIMUM

MINIMUM

MOUNTED

MOTOR

FINS PER INCH

FIRE RETARDANT PIPE

FULL VOLTAGE NON-REVERSING

GALVANIZED RIGID CONDUIT

HERTZ (CYCLES PER SECOND)

THOUSAND CIRCULAR MILS

KILO-WATT HOUR (KW x HR.)

LEAVING AIR TEMPERATURE

MECHANICAL CONTRACTOR

MOTOR CIRCUIT PROTECTOR

MANUAL VOLUME DAMPER

NORMALLY CLOSED

NATIONAL ELECTRICAL

MANUFACTURERS ASSOCIATION

NATIONAL ELECTRICAL TESTING ASSOCIATION

OWNER FURNISHED, CONTRACTOR INSTALLED

NOISE CRITERIA

NON-FUSED

NUMBER

POLE (S)

PHASE

OUTSIDE AIR

NOT IN CONTRACT

OPPOSED BLADE DAMPER

PULL BOX, PUSH-BUTTON

NORMALLY OPEN

OPEN HUB DRAIN

PRESSURE DROP

POWER FACTOR

KILO-VOLT x AMPERES

GROUND FAULT CIRCUIT INTERRUPTER

ABBREVIATIONS

LV CABLING OUTLET

FIRE / SMOKE DAMPER

FLEX.

FPI

FVNR

GND.

GFI

GRC

HB

HD

HW

HZ.

IMB

ISO.

KCMIL

ΚV

KVA

KW

LAT

LTG.

MAX.

MBH

MIN.

MTR.

MTD.

MVD

(N)

N.C.

NEMA

NETA

NIC

NO.

OBD

OFCI

OHD

NOTE: THIS LEGEND IS GENERAL IN NATURE. SOME OF THE LISTED SYMBOLS MAY NOT APPEAR IN THIS SET OF DRAWINGS.

LR

**KWHR** 

ELECTRIC LOCK, BY SECURITY CONTRACTOR

TIME CLOCK

HAND DRYER

TELEVISION OUTLET

PUSHBUTTON @ 46" AFF.

(WALL, FLOOR)

@ 18" AFF.

SYMBOL

SC

GB

DESCRIPTION

AMPLIFIER RACK

TEACHERS RACK

TO PANELBOARD

DAYLIGHT SENSOR

SHADE CONTROL

MOUNT @ 48" A.F.F.

SECURITY CAMERA

GROUND BOX

PLUMBING

PATR

ROOF

SHEET

STEEL

SWITCH

PANELBOARD

QUADRUPLEX

RETURN AIR

SUPPLY AIR

SOFT-DRAWN

SHUT-OFF VALVE

STATIC PRESSURE

**SPECIFICATIONS** 

**SWITCHBOARD** 

SWITCHGEAR

TERMINATION

TWISTED/SHIELDED

THERMAL-MAGNETIC

TAMPER RESISTANT

TERMINAL UNIT

VALVE IN BOX

VOLTS AC

VOLTS DC

WATT, WIRE

WET BULB

WALL CLEANOUT

WATER GAUGE

WHILE IN USE

WEATHERPROOF

**TRANSFORMER** 

YARD CLEANOUT

TYPICAL

VFNT

TOTAL STATIC PRESSURE

UNDERWRITERS LABORATORY

VARIABLE FREQUENCY DRIVE

VARIABLE AIR VOLUME TERMINAL

VOLTAGE TAP OR TRANSDUCER

WIRELESS ACCESS POINT

WATER HAMMER ARRESTER

WASHING MACHINE BOX

WATER PRESSURE DROP

WEATHER RESISTANT

VENT THROUGH ROOF

UNLESS NOTED OTHERWISE

POINT OF CONNECTION

**REVOLUTIONS PER MINUTE** 

SHORT CIRCUIT CURRENT RATING

SEASONAL ENERGY EFFICIENCY RATING

PLBG.

PNL.

POC

PR.

RA

RPM

SCCR

**SEER** 

SHT.

SOV

SPECS.

STL.

SW.

SWBD.

SWGR.

T/S

TERM.

T-M

TYP.

UNO

VIB

VAC

VDC

VFD

VTR

WAP

WB

WCO

WHA

WIU

WMB

WPD

WR

XFMR.

YCO

VAV, VVT

QUAD.

EMERGENCY BLUE PHONE

THERMOSTAT, MOUNT @ 46" AFF.

ABOVE GRADE CONDUIT

(a=SWITCH CONTROL I.D.)

BELOW GRADE CONDUIT

CIRCUIT HOMERUN TO PANELBOARD

BELOW GRADE CIRCUIT HOMERUN

('XX' = PANELBOARD DESIGNATION)

('XX' = PANELBOARD DESIGNATION)

5. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND SHALL BECOME SUBMITTING A BID, THIS CONTRACTOR ACCEPTS THE CONDITIONS UNDER

6. SUBSTITUTIONS OR DEVIATIONS FROM THE PLANS AND SPECIFICATIONS WILL ONLY BE CONSIDERED 10 DAYS PRIOR TO THE TIME OF BIDDING AND ONLY WHEN SUBMITTED IN WRITING. THE BURDEN OF PROOF THAT THE SUBSTITUTED ITEM IS EQUAL TO THE SPECIFIED ITEM RESTS WITH THE

7. CONTRACTOR SHALL PROTECT EXISTING BUILDINGS, STRUCTURES AND

8. THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC TO THE EXTENT THAT ALL OFFSETS, BENDS, SPECIAL FITTINGS AND LOCATIONS ARE NOT EXACTLY LOCATED. FOR EXACT LOCATION OF ALL DEVICES, SEE ARCHITECT AND PRESERVATION DRAWINGS.

9. ALL INDICATED DIMENSIONS ARE APPROXIMATE AND ARE GIVEN FOR ESTIMATE PURPOSES ONLY. BEFORE PROCEEDING WITH THE WORK, CONTRACTOR SHALL CAREFULLY CHECK AND VERIFY ALL DIMENSIONS, SIZES, REQUIRED CLEARANCES AND SHALL ASSUME FULL RESPONSIBILITY FOR THE FITTING OF ALL EQUIPMENT AND MATERIALS HEREIN REQUIRED TO OTHER PARTS OF THE WORK AND TO THE WORK OF OTHER TRADES.

10. CONTRACTOR SHALL COMPLY WITH ALL CONTRACT DOCUMENTS IN LAYING OUT THE WORK AND EQUIPMENT. CONTRACTOR SHALL COORDINATE THE WORK WITH THE WORK OF OTHER TRADES AND ALL JOB CONDITIONS.

11. CONTRACTOR SHALL HAVE A COMPETENT SUPERINTENDENT PRESENT AT THE JOB SITE AT ALL TIMES, WITH AUTHORITY TO ACT FOR THE CONTRACTOR.

12. ALL CONTRACTOR PERSONNEL WILL BE RESTRICTED TO THE PARTICULAR JOB SITE OF THIS CONTRACT.

13. UNLESS NOTED OTHERWISE, ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND OF THE HIGHEST QUALITY.

14. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.

15. ANY APPARATUS, APPLIANCE, DEVICE, MATERIAL, OR WORK NOT SHOWN ON DRAWINGS BUT MENTIONED IN THE SPECIFICATIONS, OR VICE VERSA, OR ANY INCIDENTAL ACCESSORIES NECESSARY TO MAKE THE WORK COMPLETE AND PERFECT IN ALL RESPECTS AND READY FOR TESTING AND OPERATION, EVEN IF NOT PARTICULARLY SPECIFIED, SHALL BE FURNISHED, DELIVERED, AND INSTALLED BY THE CONTRACTOR WITHOUT ADDITIONAL COST TO THE

16. ALL MISCELLANEOUS IRON AND STEEL WORK REQUIRED TO PROPERLY INSTALL EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. WORK INCLUDES ALL HANGERS, SUPPORTS, RACKS, BRACKETS AND ANY WELDING REOUIRED. ALL EXPOSED MISCELLANEOUS IRON AND

STEEL TO BE APPROVED BY ACRHITECT. 17. ACCESS AND WORKING SPACE SHALL BE PROVIDED AND MAINTAINED AROUND ALL MECHANICAL, ELECTRICAL AND CONTROL EOUIPMENT TO PERMIT

AND OTHER INFORMATION NECESSARY TO COMPLETELY EXPLAIN AND LOCATE

20. ANY INTERRUPTIONS AND/OR SHUTDOWN OF EXISTING SERVICES SHALL BE MADE ONLY WITH THE APPROVAL OF AND AT TIMES DESIGNATED BY

23. COORDINATE THE INSTALLATION REQUIREMENTS OF EQUIPMENT WITH MANUFACTURERS WRITTEN INSTRUCTIONS. CHANGES REQUIRED FROM THE USE OF PRODUCTS THAT ARE OTHER THAN THE BASIS OF DESIGN SHALL BE BORNE BY THE CONTRACTOR.

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Jose I. Guerra, Inc. Consulting Engineers 2401 South IH-35 Suite 210 Austin, Texas 78741

SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, SUPERVISION, TRANSPORTATION, WAREHOUSING, AND OTHER SERVICES REQUIRED TO COMPLETE THE WORK IN AN EFFICIENT AND TIMELY MANNER. 2. ALL WORK, INCLUDING MATERIALS AND WORKMANSHIP, SHALL CONFORM TO THE REQUIREMENTS OF ALL LOCAL CODES, LAWS, AND ORDINANCES AND THE NEC, INTERNATIONAL FIRE CODES, AND NFPA 101, AMENDED AND

IN ALL RESPECTS AND IN ACCORDANCE WITH THE BEST ESTABLISHED AND 3. CONTRACTOR SHALL PROCURE ALL REQUIRED PERMITS FROM THE LEGALLY

CONSTITUTED AUTHORITIES, ARRANGE ALL INSPECTIONS AND PAY FOR ALL REQUIRED TESTING AND UTILITY CONNECTIONS. 4. CONTRACTOR SHALL FURNISH, INSTALL/ERECT AND MAINTAIN, FOR THE

DURATION OF THE WORK, ALL GUARDRAILS, LIGHTS, WARNING SIGNS, STAGING, VENTILATION, ETC. REQUIRED BY LOCAL AND STATE LAWS AND ORDINANCES, INCLUDING THE SAFETY ORDERS OF OSHA.

THOROUGHLY FAMILIAR WITH THE EXISTING CONDITIONS. BY THE ACT OF

UTILITIES FROM DAMAGE. ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED AT NO EXPENSE TO THE OWNER.

READY AND SAFE OPERATION, EXAMINATION AND MAINTENANCE.

18. DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN A DAILY RECORD OF ALL DEVIATIONS FROM THE BID DRAWINGS. ALL DIMENSIONS ALL ELEMENTS OF THESE DEVIATIONS SHALL BE RECORDED. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL SUBMIT TO THE OWNER'S REPRESENTATIVE, ONE COMPLETE SET OF REPRODUCIBLE DRAWINGS CORRECTED TO REFLECT "AS-BUILT" CONDITIONS OF THE WORK.

19. THE CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIAL OR RUBBISH; MAINTAIN THE WORK AREA IN A NEAT, ORDERLY MANNER, AND LEAVE THE PREMISES IN A BROOM-CLEAN CONDITION AT THE END OF EACH DAY. THE CONTRACTOR SHALL FURNISH TRASH BINS AND SHALL BE RESPONSIBLE FOR THE PROPER TRANSPORTATION AND DISPOSAL OF ALL WASTE MATERIAL.

21. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL DEMONSTRATE, TO THE OWNER'S SATISFACTION, THE OPERATION OF THE INSTALLED EQUIPMENT AND SYSTEMS TO THE INTENT OF THE DESIGN.

22. ALL WORK SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER. DURING THIS PERIOD, ANY DEFECT FOUND IN MATERIAL OR WORKMANSHIP SHALL BE REPAIRED OR REPLACED TO OWNER'S SATISFACTION, AT THE CONTRACTOR'S EXPENSE.

(512) 445-2090Civil • Structural • Mechanical • Electrical

f 512.391.1920 Project Team: O'Connell Architecture Historic 1405 W. 10th Street Preservation Austin, TX 78703

Office: 900 E. 6th St., Suite 105

Austin, TX 78702

p 512.391.1932

Austin New York St. Louis

p: 512.751.1374 Tere O'Connell Jose I. Guerra, Inc. 2401 S. IH 35 Austin, TX 78741

p: 512.445.2090 Debra Sharpe Structures Structural 6926 N. Lamar Blvd. Austin, TX 78752 p: 512.499.0919

> Dante Angelini Doucet & Associates 7401 TX-71 West, Ste 160 Austin, TX 78735 p: 512.583.2623

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Project Title:

**ABBREVIATIONS** 

1. DRAWING IS DIAGRAMMATIC ONLY. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF CONDUIT, DEVICES AND EQUIPMENT WITH BUILDING ELEMENTS AND THE WORK OF OTHER TRADES. FOR EXACT LOCATION OF ALL DEVICES, SEE ARCHITECTURAL AND PRESERVATION DRAWINGS.

2. SHARED NEUTRALS ARE NOT PERMISSIBLE.

3. CONTRACTOR SHALL INCREASE CIRCUIT CONDUCTOR AND CONDUIT SIZE AS REQUIRED TO LIMIT VOLTAGE DROP TO 2% MAXIMUM AT DESIGN LOAD FOR FEEDERS AND 3% MAXIMUM AT DESIGN LOAD FOR BRANCH CIRCUITS.

4. REFER TO E001 FOR SYMBOLS AND ABBREVIATIONS FOR THIS SHEET. (ELECTRICAL SHEETS)

5. THIS DWG FOR ENGINEERING ONLY. EXACT LOCATION OF ALL LIGHT FIXTURES SHALL BE PER ARCHITECTURAL SITE PLAN.

## KEYED NOTES "\*"

- 1 TRENCHING FOR BELOW GRADE BRANCH CIRCUIT CONDUIT.
- 2 COORDINATE CONDUIT PATH AT BRIDGE WITH ARCHITECTURAL. 3 CONTROL SITE LIGHTING VIA TORK DGLC200A-NC TIME CLOCK OR

4 PROPOSED LED LIGHTS IN HANDRAIL FOR LENGTH OF BRIDGE; REF: SHEET A103.

LAWRENCE

Austin New York St. Louis Office: 900 E. 6th St., Suite 105 Austin, TX 78702 p 512.391.1932

f 512.391.1920

Project Team: Historic O'Connell Architecture 1405 W. 10th Street Preservation Austin, TX 78703 p: 512.751.1374 Tere O'Connell

Jose I. Guerra, Inc. 2401 S. IH 35 Austin, TX 78741 p: 512.445.2090

Debra Sharpe Structural Structures 6926 N. Lamar Blvd. Austin, TX 78752 p: 512.499.0919

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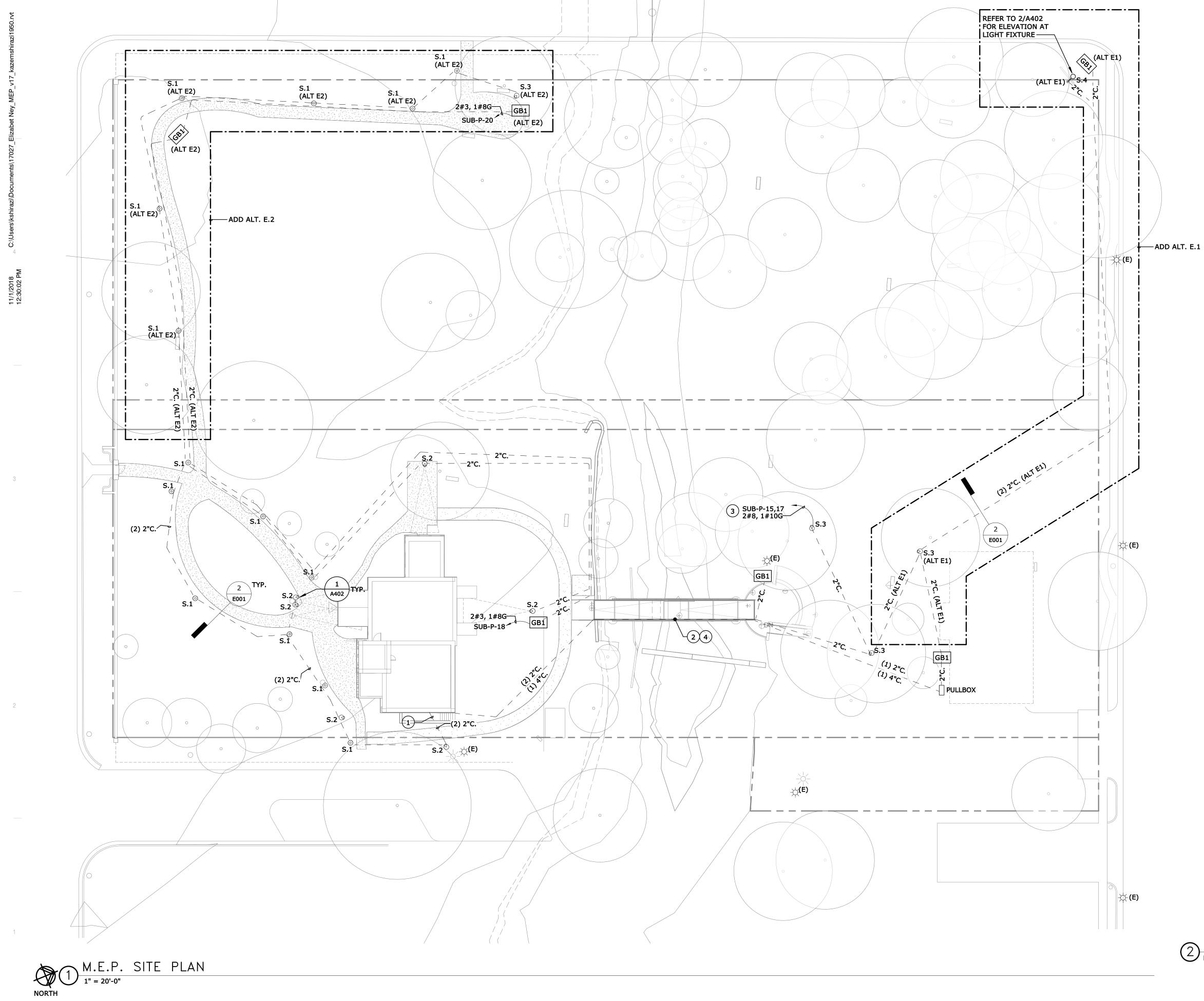
Project Title:

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ELECTRICAL SITE PLAN



MOUND SOIL

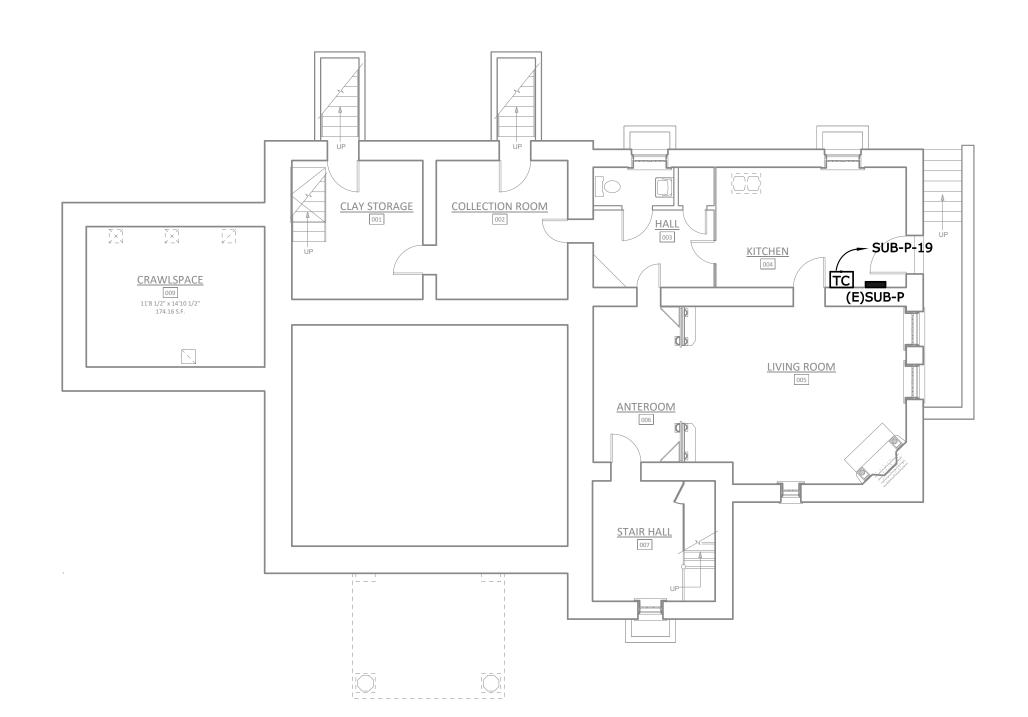
- EXISTING GRADE

4" WIDE ELECTRICAL TAPE

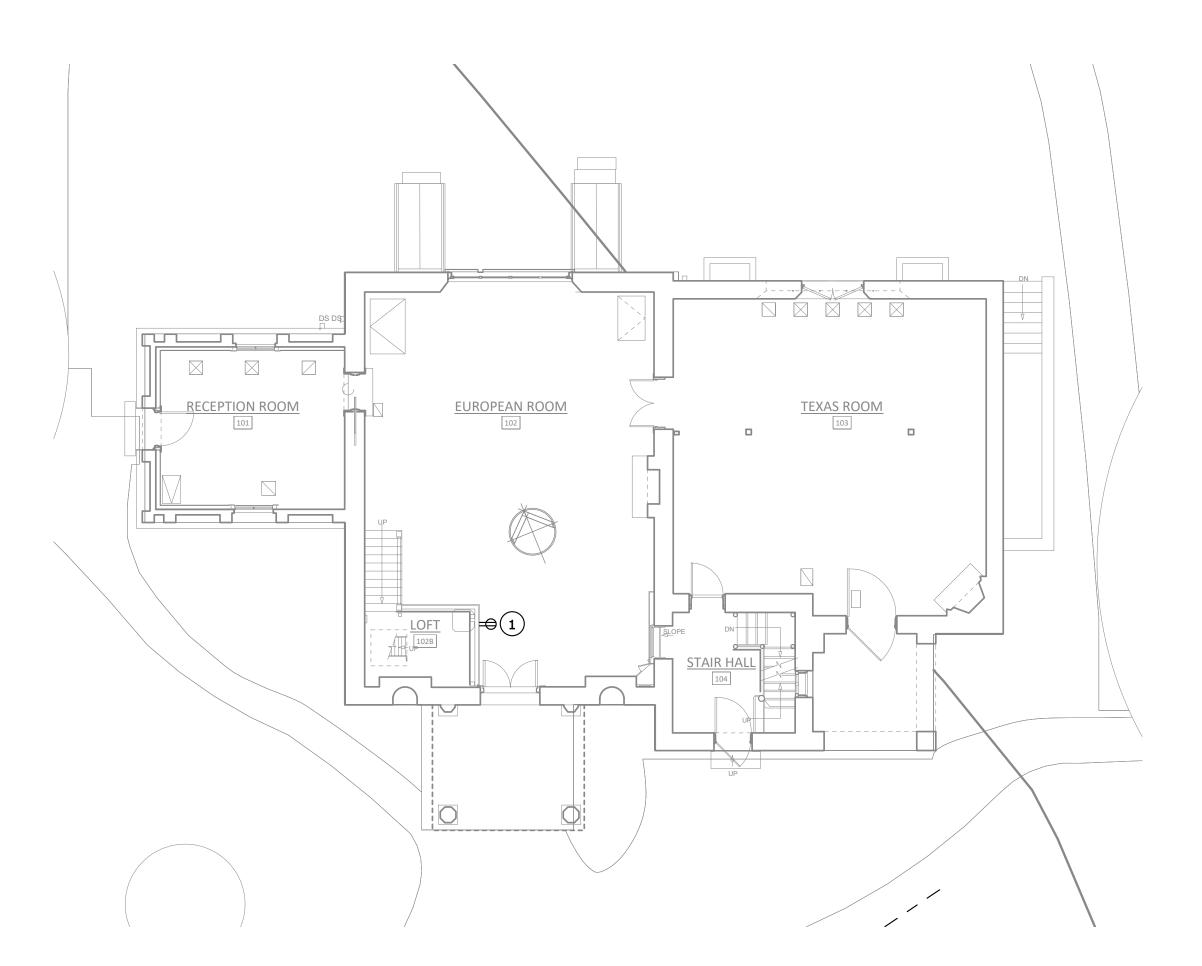
AT 12" BELOW GRADE

BACKFILL WITH EXCAVATED MATERIAL

PVC CONDUIT AND WIRE PER DRAWINGS







ELECTRICAL POWER PLAN - LEVEL 1

GENERAL NOTES

1. DRAWING IS DIAGRAMMATIC ONLY. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF CONDUIT, DEVICES AND EQUIPMENT WITH BUILDING ELEMENTS AND THE WORK OF OTHER TRADES. FOR EXACT LOCATION OF ALL DEVICES, SEE ARCHITECTURAL AND PRESERVATION DRAWINGS.

2. SHARED NEUTRALS ARE NOT PERMISSIBLE.

3. CONTRACTOR SHALL INCREASE CIRCUIT CONDUCTOR AND CONDUIT SIZE AS REQUIRED TO LIMIT VOLTAGE DROP TO 2% MAXIMUM AT DESIGN LOAD FOR FEEDERS AND 3% MAXIMUM AT DESIGN LOAD FOR BRANCH CIRCUITS.

4. REFER TO E001 FOR SYMBOLS AND ABBREVIATIONS FOR THIS SHEET. (ELECTRICAL SHEETS)

5. THIS DWG FOR ENGINEERING ONLY. EXACT LOCATION OF ALL LIGHT FIXTURES SHALL BE PER ARCHITECTURAL SITE PLAN.

KEYED NOTES "\*"

1 INSTALL RECEPTACLE FOR NEW SECURITY CONTROL PANEL UNDER STAIRS TO LOFT 102B. TERMINATE TO NEAREST 120V WITH SPARE CAPACITY.

Austin New York St. Louis Office: 900 E. 6th St., Suite 105 Austin, TX 78702 p 512.391.1932

f 512.391.1920

Project Team:

Historic O'Connell Architecture 1405 W. 10th Street Preservation Austin, TX 78703 p: 512.751.1374

Tere O'Connell Jose I. Guerra, Inc. 2401 S. IH 35 Austin, TX 78741

p: 512.445.2090

Debra Sharpe Structural Structures 6926 N. Lamar Blvd. Austin, TX 78752

p: 512.499.0919 Dante Angelini Doucet & Associates

7401 TX-71 West, Ste 160 Austin, TX 78735 p: 512.583.2623 Tom Curran

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Jose I. Guerra, Inc.
Consulting Engineers
2401 South IH-35 Suite 210
Austin, Texas 78741

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ELECTRICAL POWER PLAN -Project Number:

10/26/18

GROUNI	D BOX SCHEDULE	
TYPE	MODEL	NOTE
GB1	WIREMOLD #XB814C520C2XX	WIREMOLD OUTDOOR GROUND BOX; (2) DUPLEXES, 20A GFCI CIRCUIT BREAKER
GENERAL NOTES FINISH BY ARCH		

		PAN	ELBO	ARI	DSU	JB-I	Ρ							
Location Supply Mountin Enclosu Notes:	From: g: Recessed		1	Volts: <b>120/208 Wye</b> Phases: <b>3</b> Wires: <b>4</b>				A.I.C. Rating: Mains Type: <b>MLO</b> Mains Rating: <b>100 A</b>						
				A	В	С	A	В	С					
CKT	Circuit Description	Trip	Poles							Poles	Trip	Circuit	Description	CK
1	EXISTING LOAD	20 A	1	0			0			1	20 A		TING LOAD	2
3	EXISTING LOAD	20 A	1		0			0		1	20 A		TING LOAD	4
5 7	EXISTING LOAD EXISTING LOAD	20 A 20 A	1	0		0	0		0	1	20 A 20 A		TING LOAD TING LOAD	8
9	EXISTING LOAD EXISTING LOAD	20 A	1	U	0		_ U	0		1 1	20 A 20 A		TING LOAD TING LOAD	1
11	EXISTING LOAD  EXISTING LOAD	20 A	1		-	0			0	1	20 A		TING LOAD	1
13	EXISTING LOAD	20 A	1	0			0			1	20 A		TING LOAD	1
15	Lighting - Exterior	20 A	2		0.3			0		1	20 A		TING LOAD	1
17						0.3			1.1	1	20 A	*GROUND B	OX RECEPTACLES	1
19	TIME CLOCK	20 A	1	0			1.1			1	20 A	*GROUND BOX R	ECEPTACLES (ALT E2)	2
					1.1 kVA 0.3 kVA		kVA							
		Tota	l Amps:	10	10 A 2 A		2 A 1		12 A					
Legend													T. I. I.	
Load Classification		Connected Load			Demand Factor			Est. Demand		na		Panel	Totals	
General		0.0	<b>KVA</b>		C	0.00%		(	0.0 kVA					
Lighting - Exterior		0.5 l	<vα< td=""><td></td><td>12</td><td colspan="2">125.00%</td><td colspan="2">0.7 kVA</td><td></td><td colspan="3">Total Conn. Load: <b>2.7 kVA</b></td><td></td></vα<>		12	125.00%		0.7 kVA			Total Conn. Load: <b>2.7 kVA</b>			
Receptacle		2.2	<b>«VA</b>		100.00%			2.2 kVA			Total Est. Demand: 2.8 kVA			
										Total Conn.: <b>7 A</b>				
											То	tal Est. Demand:		
Notes:													1	



Austin New York St. Louis Office: 900 E. 6th St., Suite 105 Austin, TX 78702 p 512.391.1932 f 512.391.1920

Project Team: Historic O'Connell Architecture

Preservation 1405 W. 10th Street Austin, TX 78703 p: 512.751.1374 Tere O'Connell Jose I. Guerra, Inc. 2401 S. IH 35

Austin, TX 78741 p: 512.445.2090 Debra Sharpe Structural Structures 6926 N. Lamar Blvd. Austin, TX 78752

p: 512.499.0919 Dante Angelini Doucet & Associates 7401 TX-71 West, Ste 160 Austin, TX 78735 p: 512.583.2623

Tom Curran

Professional Seal:

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TBPE FIRM F-3

Civil • Structural • Mechanical • Electrical

**ELECTRICAL SCHEDULES** 

Project Number: 10/26/18