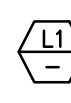





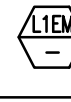



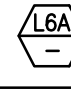















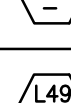





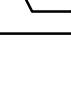






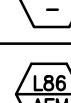



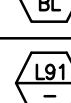













LIGHTING FIXTURE SCHEDULE			PROVIDED FOR INFORMATION ONLY. VERIFY AND INSTALL PER ELECTRICAL DRAWING		
ITEM	SYMBOL	DESCRIPTION	QTY.	MFR. & CAT. NO.	REMARK
INTERIOR LIGHTING ITEM					
		T-BAR CEILING RECESSED MOUNTED LED LIGHTING FIXTURE, 2' X 4', 120V BAKED-ON WHITE ENAMEL FINISH.	12	ELITE FIXTURE: 24FPL-BL-LED-3000L/4000L/5000L-DIM10-MVOLT-35K/40K/50K-85	KITCHEN CEILING LIGHTS, FURNISHED BY OWNER INSTALLED BY GC
		T-BAR CEILING RECESSED MOUNTED LED LIGHTING EMERGENCY FIXTURE, 2' X 4', 120V BAKED-ON WHITE ENAMEL FINISH.	0	ELITE FIXTURE: 22FPL-BL-LED-3000L/4000L-DIM10-MVOLT-1-35K/40K/50K-85	KITCHEN CEILING LIGHTS, FURNISHED BY OWNER INSTALLED BY GC
		T-BAR CEILING RECESSED MOUNTED LED LIGHTING FIXTURE, 1' X 4', 120V BAKED-ON WHITE ENAMEL FINISH.	0	ELITE FIXTURE: 14FPL-BL-LED-3000L/4000L-DIM10-MVOLT-35K/40K/50K-85	KITCHEN CEILING LIGHTS, FURNISHED BY OWNER INSTALLED BY GC
		T-BAR CEILING RECESSED MOUNTED LED LIGHTING EMERGENCY FIXTURE, 2' X 4', 120V BAKED-ON WHITE ENAMEL FINISH.	4	ELITE FIXTURE: 24FPL-BL-LED-3000L/4000L/5000L-DIM10-MVOLT-35K/40K/50K-85-INTGO-OEMG-LED-10W	EMERGENCY KITCHEN CEILING LIGHTS FURNISHED BY OWNER INSTALLED BY GC
		UNIVERSAL MOUNT EXIT SIGN, LED LIGHTED, 120/277V WITH BATTERY PACK, 2 FACE, GREEN LETTER	4	EXITRONIX GVEX-U-BP-WB-BL-R6	EXIT SIGN FURNISHED BY OWNER, INSTALLED BY GC
		HOOD LIGHT	12	FURNISHED & INSTALLED BY EQUIPMENT SUPPLIER	LIGHTS SUPPLIED & PRE-WIRED BY HOOD VENDOR. ELECTRIC CONTRACTOR TO CONNECT MAIN WIRES TO SHUNT TRIP BREAKER AND HOOD CONTROL PANEL
		WALK-IN COOLER FLUORESCENT LIGHT, 120 V 48"	3	KASON FIXTURE: # 1810LX4000	FURNISHED BY WIC VENDOR, G.R.E. , INSTALLED BY GC
		DOWN LIGHT, RECESSED IN CEILING	29	ELITE HOUSING: LD6IC-AT ELITE TRIM: RL631-950L-DIMTR-120-30K-90-RL631-RT-W-WH	FURNISHED BY OWNER, INSTALLED BY GC
		DOWN LIGHT, RECESSED IN CEILING "B" SHALL DESIGNATE BLACK TRIM	9	ELITE HOUSING: LD6IC-AT ELITE TRIM: RL631-950L-DIMTR-120-30K-90-RL631-RT-MB-BK	FURNISHED BY OWNER, INSTALLED BY GC
		EMERGENCY DOWN LIGHT, RECESSED IN CEILING	6	ELITE HOUSING: LD6IC-AT ELITE TRIM: RL631-950L-DIMTR-120-30K-90-RL631-RT-W-WH	EMERGENCY RECESSED DOWN LIGHT - NORMALLY ON INVERTER UNIT - ISOLITE, IMI-12-LC-V1 FURNISHED BY OWNER INSTALLED BY GC
		4" ADJUSTABLE MR16 DOWN LIGHT, RECESSED IN CEILING "W" SHALL DESIGNATE WHITE TRIM	8	ELITE HOUSING: BL4-50-M-120-AT-W ELITE TRIM: B1406-WH	FURNISHED BY OWNER, INSTALLED BY GC
		4" ADJUSTABLE MR16 DOWN LIGHT, RECESSED IN CEILING "B" SHALL DESIGNATE BLACK TRIM	8	ELITE HOUSING: BL4-50-M-120-AT-W ELITE TRIM: B1406-BK	FURNISHED BY OWNER, INSTALLED BY GC
		WHITE LED AT DINING ROOM CANOPY	28 L.F.	ZLED FIXTURE: VIL-SIGN-60W-WHT-DC-66MOD-STRING-KIT	FURNISHED BY OWNER, INSTALLED BY GC
		WHITE LED AT FIXTURE LOW WALL	15 L.F.	NOVA FLEX - DESIGN SERIES FIXTURE: NF-CH-1707-C/CLEAR/30-2M	FURNISHED BY OWNER, INSTALLED BY GC
		BRONZE SWOOP LIGHT	5	FIXTURE - TBD	DINING AREA - FURNISHED BY OWNER, INSTALLED BY GC
		12" DIA. PENDANT	3	KAI PENDANT 2 BULB: LED EDISON LAMP: 1173467	FURNISHED BY OWNER, INSTALLED BY GC
		MICRO INVERTER	1	EVENLITE #PWI112LC	FURNISHED BY OWNER, INSTALLED BY GC
		SPEAKER	2	-	FURNISHED BY MUSIC VENDOR, INSTALLED BY MUSIC VENDOR
NIGHT LIGHTING REQUIREMENTS: "NL" DESIGNATION INDICATED NIGHT LIGHT ON UNSWITCHED CIRCUIT. 1. ONE NL BY SERVICE COUNTER, POS / CASHIER 2. ONE NL BY POS / CASHIER AT DRIVE THRU STATION IF APPLICABLE 3. ONE NL BY EACH EXIT DOORS IN DINNING ROOM & BACK OF HOUSE					
EXTERIOR LIGHTING					
		LINEAR LIGHT AT EXTERIOR STORAGE ROOM	1	COOPER MX-4V72-LD4-6-DR-UNV-L840-CD1-WL-U	FURNISHED BY OWNER, INSTALLED BY GC
		WALL MOUNTED OVER SERVICE DOOR FIXTURE	1	ORACLE: OWP-FC-116-LED-3500L-DIM10-MVOLT-50K-BK	OVER EXTERIOR SERVICE DOOR, REFER ELEVATIONS FOR HEIGHT FURNISHED BY OWNER, INSTALLED BY GC
		NAVILITE EMERGENCY LIGHT	4	EXTRONIX MLED1-G-WP	OVER EXTERIOR ENTRANCE & SERVICE DOORS, REFER ELEVATIONS FOR HEIGHT. FURNISHED BY OWNER, INSTALLED BY GC
		EXTERIOR RECESS EMERGENCY LIGHT	0	ELITE HOUSING: LD6IC-AT LED MODULE: ELITE LED LIGHTING WET LOCATION: RL807-14W-120-FL-30K-SN-SN -WET LOCATION	EMERGENCY RECESSED DOWN LIGHT - NORMALLY ON INVERTER UNIT - ISOLITE, IMI-12-LC-V1 FURNISHED BY OWNER INSTALLED BY GC
		DECORATIVE LED WALL SCONCE	4	HINKLEY LIGHTING, ATLANTIS: BLACK; 1649SK-LED	AT ENTRY DOORS, REFER ELEVATIONS FOR HEIGHT FURNISHED BY OWNER, INSTALLED BY GC
		DECORATIVE LED WALL SCONCE	0	HINKLEY LIGHTING, SILO, BRONZE; 13594AZ-LL; LED	ALONG REAR EIFS BAND FURNISHED BY OWNER, INSTALLED BY GC
		WALL MOUNTED OVER SERVICE DOOR FIXTURE	0	LITHONIA LIGHTING WPX1 LED P2 40K MVOLT DOBXD M4	OVER DRIVE THRU AREA SERVICE DOOR FURNISHED BY OWNER, INSTALLED BY GC
		LED MOTION SECURITY FLOODLIGHT	3	LITHONIA LIGHTING HGX LED 2RH 40K 120 MO DDB M2	INTERIOR LIGHT SENSOR TO BE WALL MOUNTED AT +142" FURNISHED BY OWNER, INSTALLED BY GC
CEILING SCHEDULE					
INSTALLED AND FURNISHED BY G.C. UNLESS NOTED OTHERWISE					
NO	MANUFACTURER	DESCRIPTION	MATERIAL	FINISH	
C1	ARMSTRONG	2' X 2' SUSPENDED T-BAR GRID CEILING SYSTEM	OPTIMA 9/16" SQUARE TEGULAR ITEM # 3251	SUSPENSION SYSTEM: 9/16" SUPRAFINE; COLOR: BLIZZARD WHITE CONTACT: SHERRY BRUNT (1-800-442-4212)	
C2	USG	2' X 4' SUSPENDED T-BAR GRID CEILING SYSTEM	"VINYL ROCK" VINYL CLAD GYP. BD PANELS	SMOOTH AND WASHABLE WHITE	
C3	GOLD BOND	MONOLITHIC CEILING ON METAL FRAMING	5/8" GYP. BD.	SMOOTH PAINT - WHITE AND WASHABLE	
SEE SHEET A-103 FOR PAINT SCHEDULE					

[illegible]

PANDA EXPRESS, INC.  
1683 Walnut Grove Ave.  
Rosemead, California  
91770  
Telephone: 626.799.9898  
Facsimile: 626.372.8288

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REVISIONS:		
1	FIRE COMMENTS	06.20.2
2	HEALTH COMMENTS	08.16.2
3	SITE DEVELOPMENT REV.	08.31.2
4	SITE DEVELOPMENT REV.	11.09.2

ISSUE DATE:		
1	CIVIL TECQ	04.24.2
2	SITE DEVELOPMENT SET	05.12.2
3	BUILDING PERMIT SET	06.15.2
4	BID SET	09.15.2
5	BID SET	12.05.2
6	BID SET	02.27.2

DRAWN BY: LL

PANDA PROJECT #:  
PANDA STORE #: S8-23-D23586  
ARCH PROJECT #: 22080-003

**Heights Venture**  
ARCHITECTURE • DESIGN

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Houston, Texas 77008	Plano, Texas 75075
713 869 1103 V	972 490 7292

# PANDA EXPRESS

PANDA EXPRESS  
12991 W. STATE HWY. 29  
LIBERTY HILL, TX 78642

E-001

## ELECTRICAL SCHEDULES

PANDA 2300 HOME R4





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REVISIONS:		
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TX REGISTRATION #10349

STATE OF TEXAS  
TYLER NOELLE MACKAY  
96520  
LICENSED  
ELECTRICAL ENGINEER  
02.26.2024

Heights Venture  
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DALLAS 5741 Legacy Drive, Suite 320 Plano, Texas 75024 972.490.7292 V

PANDA EXPRESS

PANDA EXPRESS  
12991 W. STATE HWY. 29  
LIBERTY HILL, TX 78642

E-100

POWER FLOOR PLAN

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

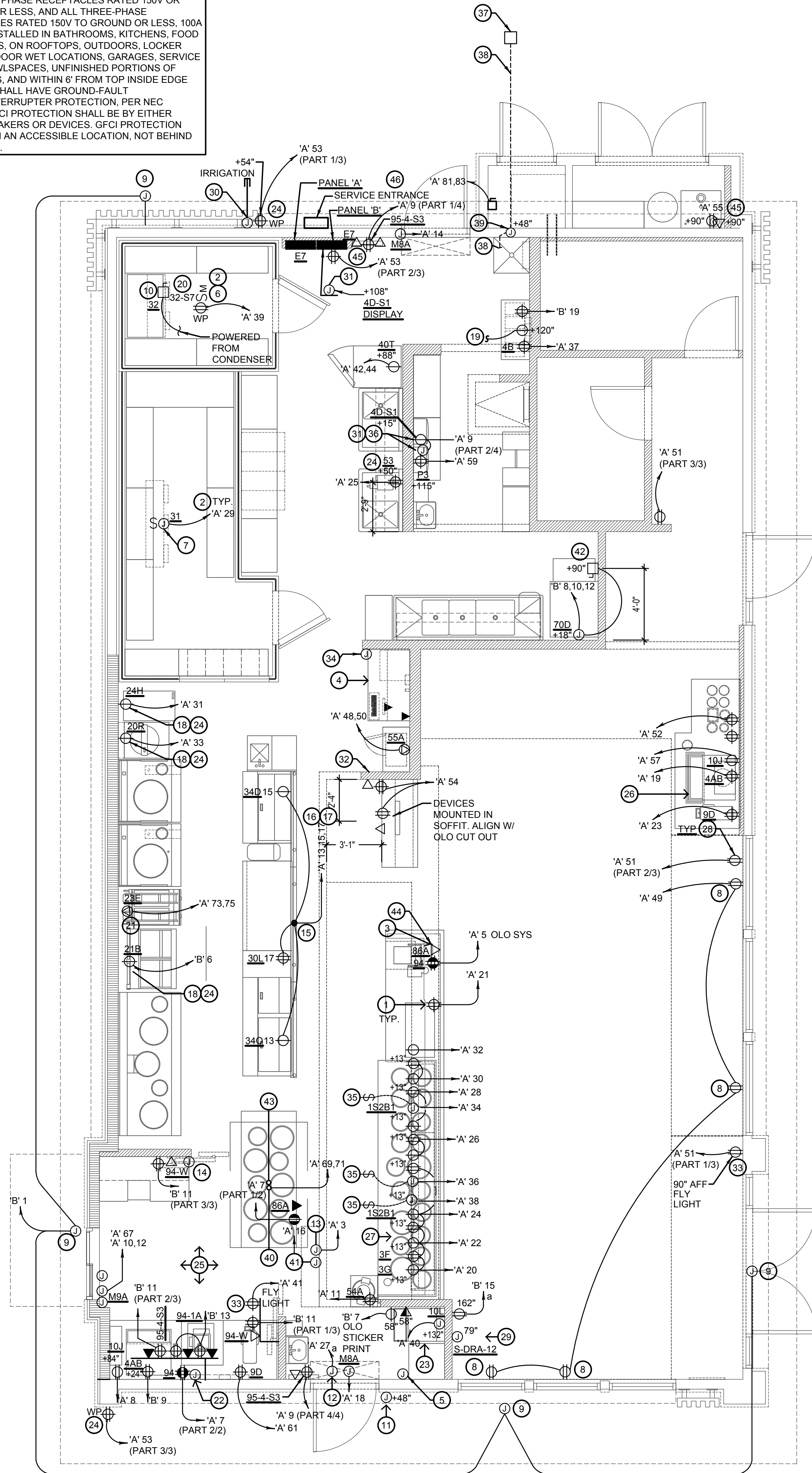
- ALL CIRCUITRY/CONDUIT FOR FRONT LINE EQUIPMENT TO BE ROUTED IN CASEWORK TO J-BOX IN WALL AND CONCEALED IN WALL.
- PROVIDE SEALS AND EXPANSION COUPLINGS ON ALL CONDUITS ENTERING OR LEAVING AREA OF TEMPERATURE DIFFERENCE. REFER TO WIRING NOTES 6/E-400 FOR ADDITIONAL INFORMATION.
- PROVIDE (2) 1-1/2" CONDUITS WITH PULL STRINGS FROM CASH REGISTER TO MANAGER STATION. SEE P.O.S. AND SERVICE LINE ELEVATIONS, 6/E-200.
- SEE 'MANAGER STATION ELEVATION' 1/E-200 FOR ADDITIONAL OUTLETS AND J-BOXES.
- ANSUL PULL STATION. REFER TO DETAIL, 2/E-400.
- REFER TO 'LTG AND DOOR HEATER' WIRING DIAGRAM, 10/E-400.
- REFER TO 'COOLER EVAPORATOR COIL' WIRING DIAGRAM, 8/E-400.
- SHOW WINDOW RECEPTACLE SHALL BE CONTROLLED VIA SWITCH "B". REFER TO LIGHTING SWITCHBANK SCHEDULE, SHEET 4/E101. RECEPTACLE SHALL BE MOUNTED IN WALL AS CLOSE TO TOP OF STRUCTURAL HEADER AS POSSIBLE.
- BUILDING SIGNAGE/LOGO DEDICATED/PROPOSED W.P. J-BOX FOR SIGNAGE. COORDINATE LOCATION WITH ARCHITECT / OWNER / SIGN PACKAGE PRIOR TO ROUGH-IN. SIGN DISCONNECT PROVIDED BY SIGN CONTRACTOR.
- REFER TO 'FREEZER EVAPORATOR COIL' WIRING DIAGRAM, 9/E-400. THE FAN COIL UNIT IS POWERED FROM THE CONDENSER UNIT VIA DISCONNECT CONNECTION. HEAT TAPE PROVIDED AND INSTALLED BY ELECTRICIAN.
- PROVIDE PULL STRING TO ABOVE CEILING FOR DOOR KEYPAD CONTROL WIRING.
- J-BOX CIRCUIT ABOVE CEILING TO POWER ELEC. DOOR HARDWARE SYSTEM SHALL BE CONNECTED TO SWITCH 'A'. REFER 4/E-101 FOR SWITCHBANK DETAIL.
- HOOD CONTROL PANEL/ANSUL SYSTEM CABINET. MOUNT CABINET DIRECTLY BELOW T-BAR CEILING.
- PROVIDE 2-GANG J-BOX @ 42" AFF FOR HOOD CONTROL SWITCHES. REFER TO M-400 AND M-401.
- 1" CONDUIT STUB UP LOCATION IN STAINLESS STEEL POWER PANEL FOR ISLAND KITCHEN EQUIPMENT CONNECTION. REFER TO DETAIL 2/A-109. COORDINATE LOCATION WITH ARCHITECT / OWNER.
- ROUTE CABLING / CIRCUITRY THROUGH 1" CONDUIT IN SLAB.
- UTILIZE SEAL TIGHT CONDUIT FOR ALL WIRING INCLUDED ALONG LOW WALL PANEL.
- ALL DEVICES UNDER HOOD TO BE PROVIDED AND INSTALLED WITH GROUND FAULT CIRCUIT BREAKER AND WATERPROOFING BOX (RED DOT #CKSUV). REFER TO COOKLINE ELECTRICAL ELEVATIONS, 3/E-200. ROUTE HOMERUN THROUGH CONTRACTOR INTERFACED WITH THE HOOD FIRE SUPPRESSION SYSTEM. REFERENCE 13/E-400 FOR ADDITIONAL INFORMATION.
- SIMPLEX RECEPTACLE TO BE CONNECTED TO BACK-OF-HOUSE LIGHTING CIRCUITRY/CONTROL. CONTRACTOR TO PROVIDE PIGTAIL FROM CIRCULATION PUMP.
- PROVIDE WEATHERPROOF RECEPTACLE FOR HEAT TAPE. COORDINATE FINAL LOCATION WITH REFRIGERATION INSTALLER.
- ELECTRIC GRIDDLE '23E': FEED WITH (2) #6, (1) #10 GROUND, 3/4" CONDUIT. REFER TO 14/E-400.
- SEE DRIVE THRU ELEVATION 2/E-200 FOR CONDUIT SIZES AND CONFIGURATIONS.
- SEE TICKET PRINTER ELEVATIONS, 4/E-200.
- PROVIDE WATERPROOFING, COVER, IN-USE RED DOT (#CKSUV).
- SEE FOR DRIVE-THRU ELEVATIONS, 2/E-200.
- SEE DRINK STATION ELEVATIONS, 5/E-200.
- SEE 6/E-200 FOR SERVICE LINE ELEVATIONS.
- SEE DEVICE / RECEPTACLE SCHEDULE 3/E400.
- SEE DINING ROOM ELEVATION, DETAIL 7/E-200.
- PROVIDE AND INSTALL 3/4" CONDUIT AND PULL STRING FROM CLOSEST LANDSCAPE AREA, THROUGH WALL UP TO EMPTY FLUSH MOUNTED JUNCTION BOX @ 54" A.F.F. (FOR IRRIGATION CONTROLS). CLOSE OFF CONDUIT IN LANDSCAPE AREA WITH REMOVABLE CAP. UTILIZE WP CIRCUIT A-53 NEAR ENTRY POINT.
- REFER TO 8/E-200 FOR LOCATION/INSTALLATION OF C02 DEVICE.
- SEE SWITCH BANK ELEVATION , DETAIL 1/E-200.
- FLY LIGHT RECEPTACLE SHALL BE INSTALLED WITH A RECESSED CLOCK SIMPLEX OUTLET. TYP OF ALL LOCATIONS.
- SEE SECURITY KEY PAD ELEVATION 1/E200.
- CONNECT HEAT LAMPS TO COUNTER-MOUNTED SWITCH PROVIDED AND INSTALLED BY CONTRACTOR. COORDINATE EXACT LOCATION WITH KITCHEN EQUIPMENT PROVIDER.
- PANDA EXPRESS TO PROVIDE C02 MONITOR, E.C. TO MOUNT OVER J-BOX WITH WIRING THROUGH WALL CONDUIT FOR CLEAN INSTALLATION. PROVIDE ALL OTHER REQUIRED CONNECTIONS AND COMPONENTS FOR FULLY WORKING SYSTEM.
- PROVIDE IN-GRADE QUAZITE 8"x8" PC STYLE POLYMER CONCRETE BOX OR EQUAL FOR UNDERGROUND CABLE REQUIRED FOR THE STORE. PART NO. PC081XXXXX OR SIMILAR. REFER TO ELECTRICAL SITE PLAN 1/E105.
- PROVIDE 1" CONDUIT FOR CABLE DEDICATED FOR ENTIRE STORE FROM IN-GRADE 8X8 QUAZITE BOX TO EXTERIOR CLOSET 6X6 FLUSH MOUNTED JUNCTION BOX. TERMINATE INTERIOR ABOVE CEILING.
- PROVIDE FLUSH MOUNTED NEMA 1 6X6 JUNCTION/PULL BOX AT +48" - HUBBELL OR EQUAL. ROUTE CABLE FROM EXTERIOR 6X6 IN 1" CONDUIT THROUGH BUILDING. TERMINATE INTERIOR ABOVE CEILING.
- PROVIDE A (1) 3/4" UNDERGROUND CONDUIT AND PULLSTRING FOR LOW VOLTAGE WIRING. CONDUIT AND PULLSTRING TO RUN UNDERGROUND FROM HOTWELL CABINET AND STUB-UP THROUGH WALL AND ABOVE CEILING ADJACENT TO MANAGER STATION.
- FIRE SUPPRESSION SHUTDOWN CONTACTOR LOCATED ABOVE CEILING , REFER TO 13/E-400.
- ELECTRICIAN TO SUPPLY LITTLEFUSE SB5060-021-0 FOR GFCI PROTECTION, COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT. ELECTRICIAN TO SUPPLY A WIRE WHIP FROM BOX TO MACHINE, FINAL CONNECTIONS BY HOBART SERVICE.
- PROVIDE (1) 1" UNDERGROUND CONDUIT AND PULLSTRING FOR HOTWELL CABINET. CONDUIT AND PULLSTRING TO RUN UNDERGROUND FROM HOTWELL CABINET AND STUB-UP BENEATH ELECTRICAL PANEL. REFER TO PANEL SCHEDULE.
- PROVIDE (1) 3/4" CONDUIT AND PULLSTRING FOR OLO PRINTER TO TICKET PRINTER. CONDUIT AND PULLSTRING TO RUN FROM OLO PRINTER & SCANNER TO TABLET & STICKER PRINTER; STUB-UP THROUGH WALL.
- PROVIDE J-BOX AND CONDUIT TO 6" ABOVE CEILING (AT B.O.H. AREA) FOR GREASE ALARM SYSTEM. PROVIDE PULL STRING BETWEEN TWO J-BOXES.
- COORDINATE LOCATION OF METER/CT CABINET AND ASSOCIATED CONDUITS WITH EXTERIOR HOSE BIBB. REF. EXTERIOR ARCH ELEVATIONS AND PLUMBING DRAWINGS.

⑥	POWER PLAN KEYED NOTES	3
	NOT TO SCALE	E-100

- VERIFY QUANTITIES AND REQUIREMENTS OF ALL HVAC & KITCHEN EQUIPMENT PRIOR TO ROUGH IN.
- ALL TELEPHONE/DATA/TV CABLES AND WIRES, AND TERMINATIONS OF ALL REQUIRED CABLE AND JACKS WILL BE INSTALLED BY THIRD PARTY.
- POWER SUPPLY FOR COMPUTER AND CASH REGISTER (86A & 94) SHALL BE ON THE SAME CIRCUIT BREAKER, W/ISOLATED GROUND & ORANGE RECEPTACLE.
- ALL CIRCUITRY SHOWN WITHOUT TICKS SHALL HAVE (2) WIRES PLUS EQUIPMENT GROUNDING CONDUCTOR.
- WHEN WORKING IN JURISDICTIONS WHICH HAVE ADOPTED THE 2017 NEC OR LATER, ALL MULTI-WIRE BRANCH CIRCUITS SHALL HAVE SEPARATE NEUTRALS TO MEET THE REQUIREMENTS OF 2017 NEC 210.4(B).
- TRANSFORMERS SHALL BE MOUNTED ABOVE CEILING BELOW TRUSSES WITH LOW VOLTAGE WIRING FEEDING TO ALL EXTERIOR LIGHTS.
- ALL UNDERGROUND CONDUIT SHALL BE 12" BELOW F.F.

	POWER PLAN GENERAL NOTES	2
	NOT TO SCALE	E-100

ALL SINGLE PHASE RECEPTACLES RATED 150V OR LESS, 50A OR LESS, AND ALL THREE-PHASE RECEPTACLES RATED 150V TO GROUND OR LESS, 100A OR LESS INSTALLED IN BATHROOMS, KITCHENS, FOOD PREP AREAS, ON ROOFTOPS, OUTDOORS, LOCKER ROOMS, INDOOR WET LOCATIONS, GARAGES, SERVICE BAYS, CRAWLSPACES, UNFINISHED PORTIONS OF BASEMENTS, AND WITHIN 6" FROM TOP INSIDE EDGE OF SINKS, SHALL HAVE GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION, PER NEC 210.8(B). GFCI PROTECTION SHALL BE BY EITHER RATED BREAKERS OR DEVICES. GFCI PROTECTION SHALL BE IN AN ACCESSIBLE LOCATION, NOT BEHIND EQUIPMENT.



ALL 120 VOLT, 20 AMP RECEPTACLES LOCATED UNDER COUNTERS WITHIN SERVING AREA 101, DRIVE-THRU 102, AND KITCHEN 103 TO BE SERVED FROM GFCI-TYPE CIRCUIT BREAKERS PER NEC 210.8 (B) (2).

	POWER FLOOR PLAN	1
	Scale: 1/4"=1'-0"	E-100



- SWITCHBANK 'A'. REFER TO SCHEDULE 4/E-101.
- ROUTE HOMERUN THROUGH LIGHTING SWITCHBANK 'A' (SWITCHES AS NOTED IN LOWER CASE). REFER TO SCHEDULE 4/E-101 FOR MORE INFORMATION.
- ROUTE THROUGH CONTACTS IN HOOD CONTROL PANEL 'M4' FOR CIRCUIT POWER. REFER TO 3/E-401.
- PROVIDE SEPARATE UNSWITCHED HOT CONDUCTOR (SAME CIRCUIT, NOT CONTROLLED BY SWITCH IN SWITCHBANK) TO LOCALLY SWITCHED FIXTURES AND EMERGENCY FIXTURE BATTERY TRIGGER LEADS.
- NOT USED.
- WALK-IN COOLER LIGHT FIXTURES AND PILOT LIGHT SWITCH PROVIDED WITH COOLER INSTALLED BY E.C. REFER TO 'COOLER EVAPORATOR COIL' WIRING DIAGRAM, 8/E-400.
- WALK-IN FREEZER LIGHT FIXTURE AND PILOT LIGHT SWITCH PROVIDED WITH FREEZER INSTALLED BY E.C. REFER TO 'FREEZER LTG AND DOOR HEATER WIRING DIAGRAM', 10/E-400.
- NOT USED.
- FIXTURES IN THIS ROOM SHALL BE LOCALLY SWITCHED.
- LIGHTING INVERTER FOR EMERGENCY LIGHTING TO BE MOUNTED TO BULKHEAD. RE: 9/E200.
- NOT USED.
- NOT USED.
- PROVIDE JUNCTION BOX ABOVE CEILING FOR THE BZ-150 UNIVERSAL POWER PACK REQUIRED FOR EXTERIOR MOTION CONTROL LED FIXTURES. PROVIDE LOW VOLTAGE CONNECTIONS AS REQUIRED TO LIGHTSAVER LS-102 SWITCHING PHOTOSENSOR SO THAT WHEN STORE OPERATIONS ARE OFF THIS EXTERIOR SECURITY LIGHT IS ACTIVATED BY EXTERIOR MOTION ONLY. VERIFY WITH MANUFACTURER'S RECOMMENDATIONS FOR WIRING DIAGRAM. VERIFY LOCATIONS WITH OWNER PRIOR TO INSTALLATION.
- PROVIDE WALL MOUNTED JUNCTION BOX AT +142" FOR INSTALLATION. INSTALL LIGHTSAVER LS-102 SWITCHING PHOTOSENSOR FOR EXTERIOR MOTION CONTROL SECURITY FIXTURES TYP OF 2 LOCATIONS. CONTROL TIMES OF CONTROL SO THAT WHEN STORE OPERATIONS ARE OFF INTERIOR LIGHTS GO OFF AND THE EXTERIOR MOTION LIGHTS ARE ACTIVATED WITH ANY MOTION DETECTED AFTER STORE HOURS. VERIFY WITH MANUFACTURER'S RECOMMENDATIONS FOR WIRING DIAGRAM. VERIFY LOCATIONS WITH OWNER PRIOR TO INSTALLATION.
- NOT USED.
- CONNECT TO VEGETABLE DISPLAY LIGHTING PROVIDED WITH WALK-IN COOLER.
- PROVIDE SEALS AND EXPANSION COUPLINGS ON ALL CONDUITS ENTERING OR LEAVING AREA OF TEMPERATURE DIFFERENCE. REFER TO WIRING NOTES 6/E-400 FOR ADDITIONAL INFORMATION.
- PROVIDE A 0-10V TO PHASE DIMMING MODULE TO CONNECT LIGHT FIXTURES ON THIS CIRCUIT DAYLIGHT HARVESTING SENSOR. PROVIDE COMPATIBLE DEVICE.

- CONTRACTOR SHALL PROVIDE ALL REQUIRED HARDWARES, BRACKETS, ETC. FOR A COMPLETE LIGHTING FIXTURE INSTALLATION.
- FIXTURES THAT ARE TO BE ROUTED VIA TIMECLOCKS ARE SHOWN ON DETAIL 11/E400. SEQUENCE OF OPERATION: TIMECLOCKS WIRED FIRST FOR DESIGNATED CONTROL. SWITCHES ARE SERIES WIRED WITH THE CONTACTORS. UTILIZE DIGITAL OVERRIDE TIMER SWITCH (DOTS) TO OVER-RIDE THE TIMECLOCKS FOR CLEANING AND AFTER HOURS AS NEEDED. SEE DETAIL 11/E400
- ALL LIGHTING FIXTURES SHALL BE SUPPORTED PER N.E.C. 410-16(C). SEE DETAIL, 4/E400.
- CONTRACTOR SHALL INSTALL ALL LIGHTING FIXTURES INCLUDING OWNER-FURNISHED FIXTURES.
- ALL FIXTURE BALLASTS SHALL BE U.L. LISTED.
- E.C. SHALL INSTALL OWNER SUPPLIED LED STRIP LIGHTING & CUT TO PROPER LENGTH. COORDINATE WITH OWNER FOR EXACT LENGTHS AND FINAL LOCATIONS.
- WHEN WORKING IN JURISDICTIONS WHICH HAVE ADOPTED THE 2008 NEC OR LATER, ALL MULTI-WIRE BRANCH CIRCUITS TO HAVE SEPARATE NEUTRALS TO MEET THE REQUIREMENTS OF 2008 NEC 210.4(B).
- ALL CIRCUITRY SHOWN WITHOUT Ticks SHALL HAVE (2) WIRES PLUS EQUIPMENT GROUNDING CONDUCTOR.
- 'N.L.' DESIGNATION INDICATES NIGHT LIGHT ON UNSWITCHED CIRCUIT.

### LIGHTING GENERAL NOTES

2

### LIGHTING KEYED NOTES

3

NOT TO SCALE

E-101

NOT TO SCALE

E-101

NOTE:  
ALL SWITCHES/DEVICES TO BE STANDARD SINGLE POLE. DO NOT USE "DECORA" TYPE SWITCH/DEVICE

NOTE:  
FIXTURES TO BE ROUTED VIA TIME TIMECLOCKS ARE SHOWN ON DETAIL 11/E400.

NOTE:  
CONTRACTOR TO INSTALL (2) 5 GANG SWITCH BOXES AS SHOWN BELOW. DO NOT INSTALL SEPARATE/INDIVIDUAL BOXES FOR EACH SWITCH

(a)	(b)	(c)	(d)	(e)
\$	\$	\$	\$	\$
BACK OF HOUSE LTG & EX. FAN & RECIRC PUMP	SHOW WINDOW RECEPS	WALK-IN, MENU LED ACCENTS	SERVING LINE SOFFIT	DINING PENDANTS
(f)	(g)	(h)	(i)	(j)
\$	\$	\$	\$	
INTERIOR DINING	BEVERAGE COUNTER	DAYLIGHT HARVEST	SPARE	INTERIOR LIGHTING SHUT DOWN OVERRIDE

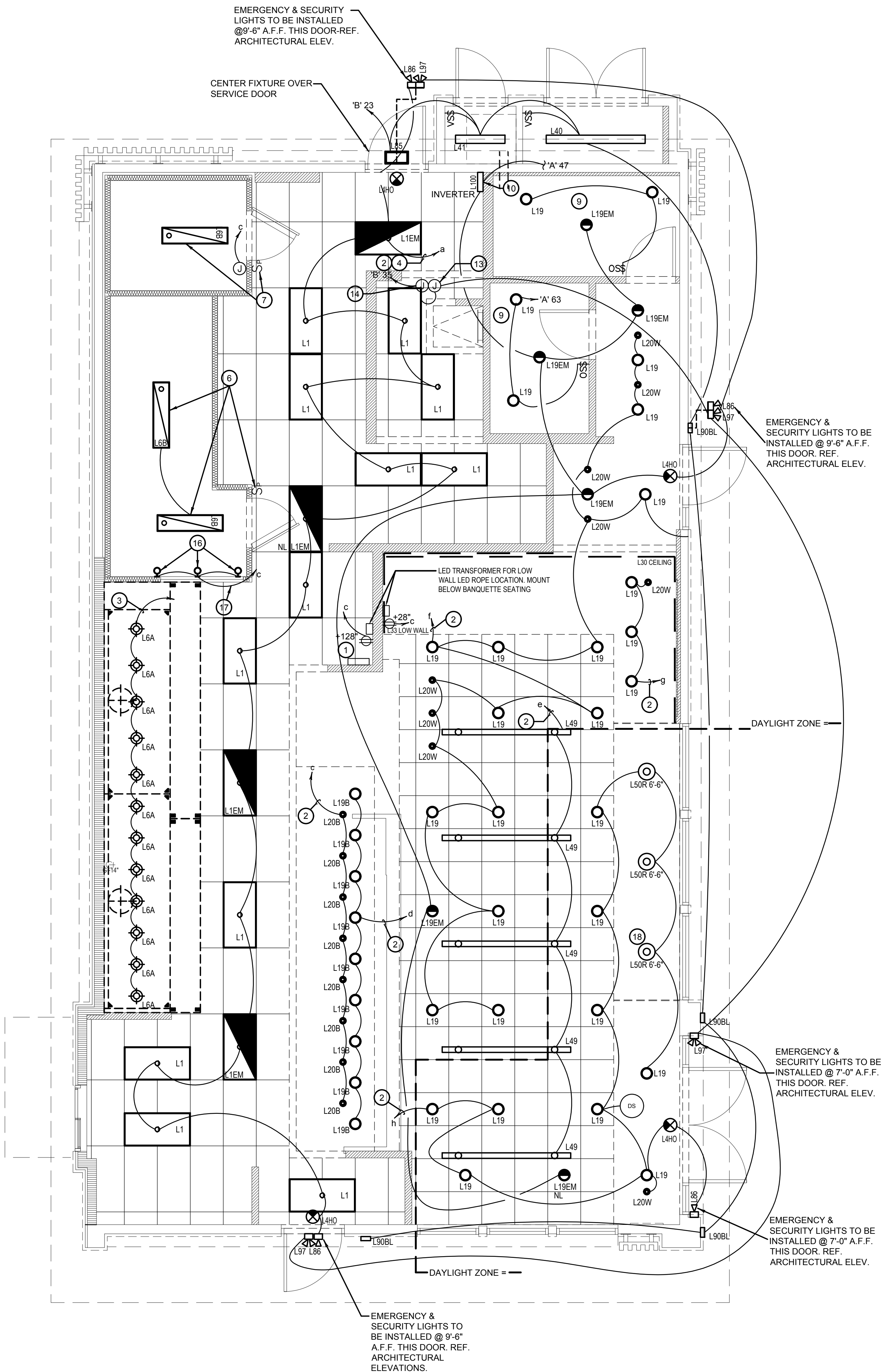
SWITCHBANK SCHEDULE 'A'				
TAG	SWITCH TYPE	AREA SERVED / SWITCH LABEL	CIRCUIT	LOAD
a	TOGGLE SWITCH	BACK-OF-HOUSE / RR FANS	'A' 45	530 VA
b	TOGGLE SWITCH	SHOW WINDOW RECEP	'A' 49	720 VA
c	TOGGLE SWITCH	WALK-INS, MENU, LED ACCENTS	'A' 1	275 VA
d	TOGGLE SWITCH	SERVING LINE SOFFIT	'A' 45	140 VA
e	TOGGLE SWITCH	DINING PENDANTS	'A' 47	24 VA
f	TOGGLE SWITCH	INTERIOR DINING	'A' 47	118 VA
g	TOGGLE SWITCH	BEVERAGE COUNTER	'A' 47	16 VA
h	TOGGLE SWITCH	DAYLIGHT HARVESTING ZONE	'A' 47	219 VA
i	SPARE			
j	TIMER SWITCH	INTERIOR LIGHTING SHUT DOWN OVERRIDE	'A' 47	118 VA

### INTERIOR / EXTERIOR LTG CONTACTORS SCHEDULE

4

NOT TO SCALE

E-101



### LIGHTING FLOOR PLAN

1

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

E-101



PANDA EXPRESS, INC.  
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Rosemead, California  
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#### REVISIONS:

1	FIRE COMMENTS	06.20.23
2	HEALTH COMMENTS	08.16.23
3	SITE DEVELOPMENT REV.	08.31.23
4	SITE DEVELOPMENT REV.	11.09.23

#### ISSUE DATE:

1	CIVIL TECQ	04.24.23
2	SITE DEVELOPMENT SET	05.12.23
3	BUILDING PERMIT SET	06.15.23
4	BID SET	09.15.23
5	BID SET	12.05.23
6	BID SET	02.27.24

DRAWN BY: LL

PANDA PROJECT #:  
PANDA STORE #: S8-23-D23586  
ARCH PROJECT #: 22080-003

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DATE: 02/26/2024  
TX REGISTRATION #10349



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### PANDA EXPRESS

PANDA EXPRESS  
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LIBERTY HILL, TX 78642

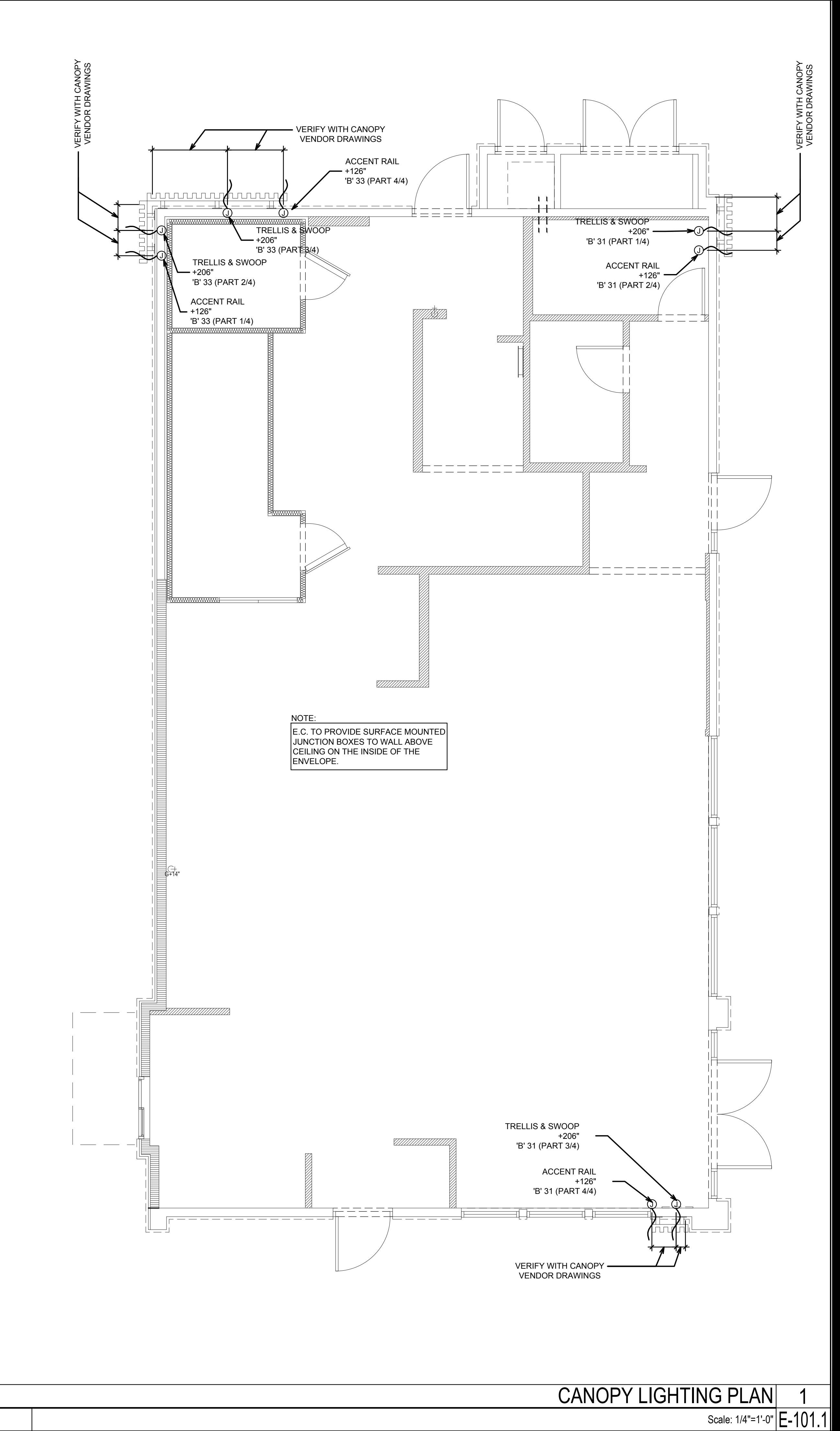
E-101

LIGHTING FLOOR PLAN

PANDA 2300 HOME R4



1. E.C. TO PROVIDE J-BOX WITH 3' WHIP FOR CONNECTION TO PANDA EXPRESS PROVIDED LIGHTED CANOPY. E.C. TO MAKE FINAL CONNECTION.	
2. E.C. TO PROVIDE J-BOX WITH 3' WHIP FOR CONNECTION TO PANDA EXPRESS PROVIDED LIGHTED DRIVE THRU CANOPY. E.C. TO MAKE FINAL CONNECTION.	
CANOPY LIGHTING NOTES	2
NOT TO SCALE	E-101.1



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E-101.1  
CANOPY LIGHTING PLAN

PANDA 2300 HOME R4

PERMIT / BID SET



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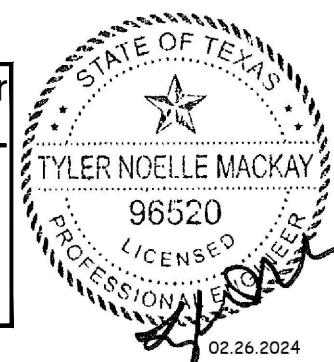
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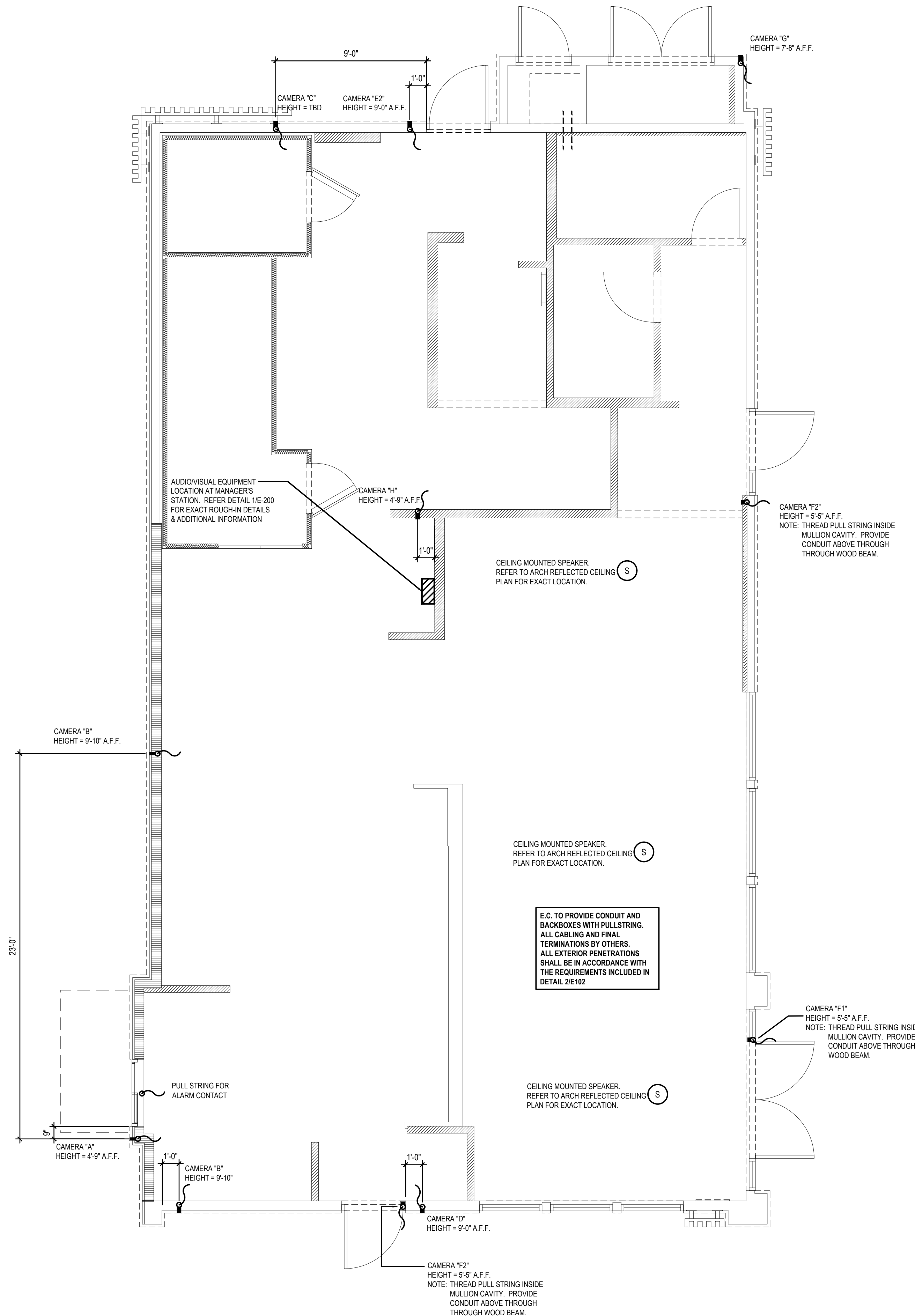
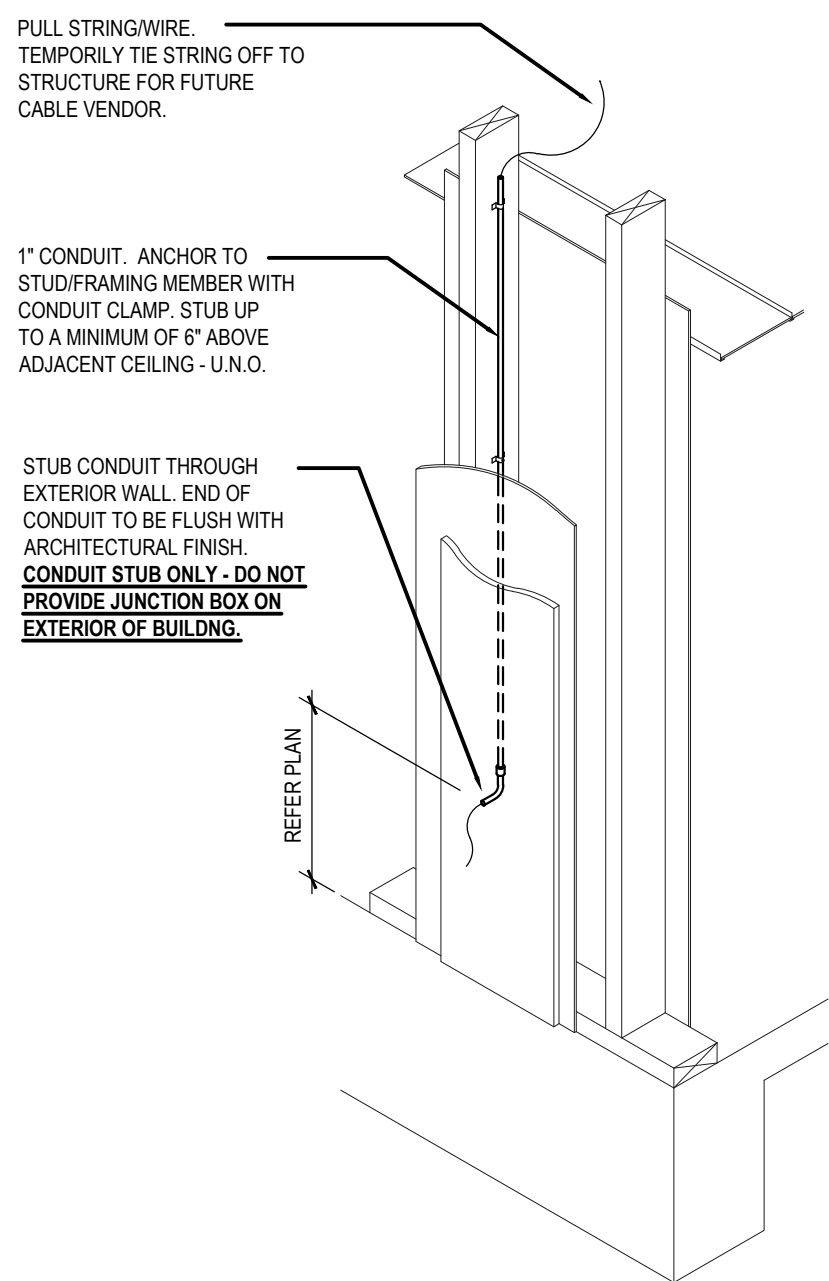
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E-102

Security Camera Plan

PANDA 2300 HOME R4



CONDUIT ROUGH-IN DETAIL 2  
NOT TO SCALE E-102

SECURITY CAMERA PLAN 1  
Scale= 1/4" = 1'-0" E-102





REVISIONS:		
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ARCH PROJECT #: 22080-003

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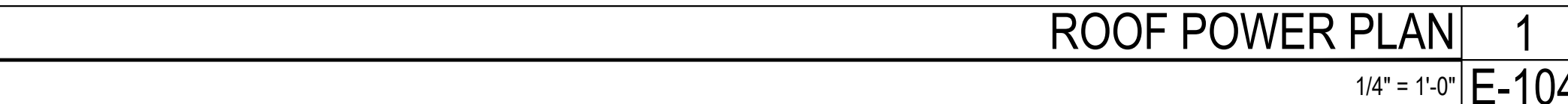
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713 869 1103 V	972 490 729

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# E-104

ROOF POWER PLAN

PANDA 2300 HOME R4



- |                         |              |      |
|-------------------------|--------------|------|
| ROOF PLAN GENERAL NOTES |              | 2    |
|                         | NOT TO SCALE | E-10 |

1. ROUTE HOMERUN THROUGH BACK OF HOUSE LIGHTING CIRCUIT. REFER TO LIGHTING CONTACTOR SCHEDULE, 4/E-101. FAN TO BE CONTROLLED BY SWITCH FOR BACK OF HOUSE LIGHTING.
2. DUCT SMOKE DETECTOR, FURNISHED BY MECHANICAL/FACTORY, WIRED BY ELECTRICAL / FIRE ALARM CONTRACTOR. FURNISH AND INSTALL ALL RACEWAY, WIRING, AND ADDITIONAL ACCESSORIES REQUIRED FOR CODE COMPLIANCE AND UNIT SHUTDOWN.
3. CIRCUIT FEEDS FROM PANELBOARD - THROUGH HOOD CONTROL PANEL - UP TO ROOF. REFER TO DETAIL, SHEET 3/E-401 & KITCHEN HOOD SUBMITTAL DATA.
4. REFER TO CONDENSING UNIT WIRING DIAGRAM, 7/E-400.
5. STRUT RACK SUPPORT FOR EQUIPMENT DISCONNECT SWITCHES. REFER TO DETAIL, SHEET 2/E-401.
6. NOT USED.
7. DO NOT INSTALL UNTIL BACK DRAFT DAMPER INSTALLATION IS COMPLETE. UTILIZE FACTORY KNOCKOUTS FOR ELECTRICAL RUN THIS FAN. REFER TO SHEET M-402.
8. MOUNT PHOTOCELL AS DETAILED ON SHEET 12/E-400 ON CONDENS RACK.
9. STUB ELECTRICAL FEED FOR EF-1 & EF-2, THROUGH ROOF ON HINGE SIDE OF EXHAUST FANS, IN LOCATION AS SHOWN ON POWER ROOF PLAN. REFER TO DETAIL 3/M-501 FOR ADDITIONAL DETAILS.
10. ROUTE POWER FEEDS VIA FACTORY PROVIDED THRU-BASE CONNECTION AREA. COORDINATE WITH MECHANICAL.
11. UNIT INCLUDES FACTORY MOLDED CASE DISCONNECT SWITCH (NO OCP). VERIFY WITH MECHANICAL SUBMITTAL DATA. PROVIDE DISCONNECT IF / AS REQUIRED.

#	ROOF PLAN KEYED NOTES	3
	NOT TO SCALE	E-10

TAG	DESCRIPTION	KW	H.P.	FLA	VOLT/Ø	WIRE, CONDUIT	CONN	MOUNT HEIGHT	DISC. SW. WITH RK1 FUSES PER MFR'S REQ'S. AND/OR REMARKS
RTU1	A/C UNIT (LENNOX)			32.0	208V.3Ø	3 #6, #10 GND., 1" C.	<input type="checkbox"/>	AT UNIT	60A. 3P. 3F. WP (1) (4)
RTU2	A/C UNIT (LENNOX)			46.0	208V.3Ø	3 #6, #10 GND., 1" C.	<input type="checkbox"/>	AT UNIT	60A. 3P. 3F. WP (1) (4)
RTU3	A/C UNIT (LENNOX)			46.0	208V.3Ø	3 #6, #10 GND., 1" C.	<input type="checkbox"/>	AT UNIT	60A. 3P. 3F. WP (1) (4)
CU-1	CONDENSING UNIT			21.4	208V.3Ø	3 #10, #10 GND., 1" C.	<input type="checkbox"/>	AT UNIT	30A. 3P. 3F. WP
CU-2	CONDENSING UNIT			21.4	208V.3Ø	3 #10, #10 GND., 1" C.	<input type="checkbox"/>	AT UNIT	30A. 3P. 3F. WP
MA-1	MAKE-UP AIR UNIT	7.5	26.4	208V.3Ø	3 #8, #10 GND., 3/4" C.	<input type="checkbox"/>	AT UNIT	(4)	
EF-1	EXHAUST FAN	3.0	11.9	208V.3Ø	3 #12, #12 GND., 3/4" C.	<input type="checkbox"/>	AT UNIT	(1)	
EF-2	EXHAUST FAN	3.0	11.9	208V.3Ø	3 #12, #12 GND., 3/4" C.	<input type="checkbox"/>	AT UNIT	(1)	
EF-3	EXHAUST FAN	1/4	5.6	120V.1Ø	2 #12, #12 GND., 3/4" C.	<input type="checkbox"/>	AT UNIT	30A. 2P. 1F. WP (1) (4)	
31-S	W/I COOLER COND.			27.0	208V.1Ø	2 #10, #10 GND., 3/4" C.	<input checked="" type="checkbox"/>	AT UNIT	(2) (3)
32-S1	W/I FREEZER COND.			32.0	208V.1Ø	2 #8, #8 GND., 3/4" C.	<input checked="" type="checkbox"/>	AT UNIT	60A. 2P. 2F. WP (3)
10J-S1	ICE MACHINE COND.			11.7	208V.1Ø	2 #12, #12 GND., 3/4" C.	<input checked="" type="checkbox"/>	AT UNIT	(2) (3)

- ① DISCONNECT SWITCH PROVIDED WITH UNIT.
- ② COMBINATION 30A, 2P, 2F, WP DISCONNECT SWITCH WITH RK5 FUSES PER MANUFACTURER RECOMMENDATION.
- ③ COMBINE CIRCUITRY IN 1" CONDUIT FROM J-BOX ON EQUIPMENT DISCONNECT SWITCH SUPPORT. REFER TO DETAIL, THIS SHEET, 1 / E-104.
- ④ ELECTRICAL FEEDS ARE TO BE ROUTED FROM PLENUM SPACE, UP THROUGH EQUIPMENT CURB, INTO BOTTOM OF EQUIPMENT, THROUGH FACTORY INSTALLED WATER TIGHT CONNECTIONS.

HVAC EQUIPMENT SCHEDULE	4
NOT TO SCALE	E-10

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PERMIT / BID SET



- COORDINATE SERVICE ENTRANCE SECTION, TRANSFORMER, PRIMARY SERVICE, SECONDARY SERVICE, AND SWITCHING CABINET OR POWER POLE LOCATIONS WITH SERVING UTILITY COMPANY AND COMPLY AS REQUIRED.
- CONTRACTOR TO BE RESPONSIBLE FOR COORDINATING AND PROVIDING REQUIRED WORK FOR SUPPLYING ELECTRICAL POWER AND TELEPHONE UTILITIES TO THE BUILDING.
- CONTRACTOR SHALL HAVE ALL EXISTING UNDERGROUND UTILITIES LOCATED PRIOR TO TRENCHING. ALL UNDERGROUND UTILITIES DAMAGED DURING TRENCHING SHALL BE REPAIRED TO THE SATISFACTION OF INVOLVED UTILITY AT CONTRACTOR'S EXPENSE.
- MINIMUM CONDUCTOR SIZE THIS SHEET TO BE #10 CU, 1" CONDUIT.

## SITE PLAN GENERAL NOTES

2

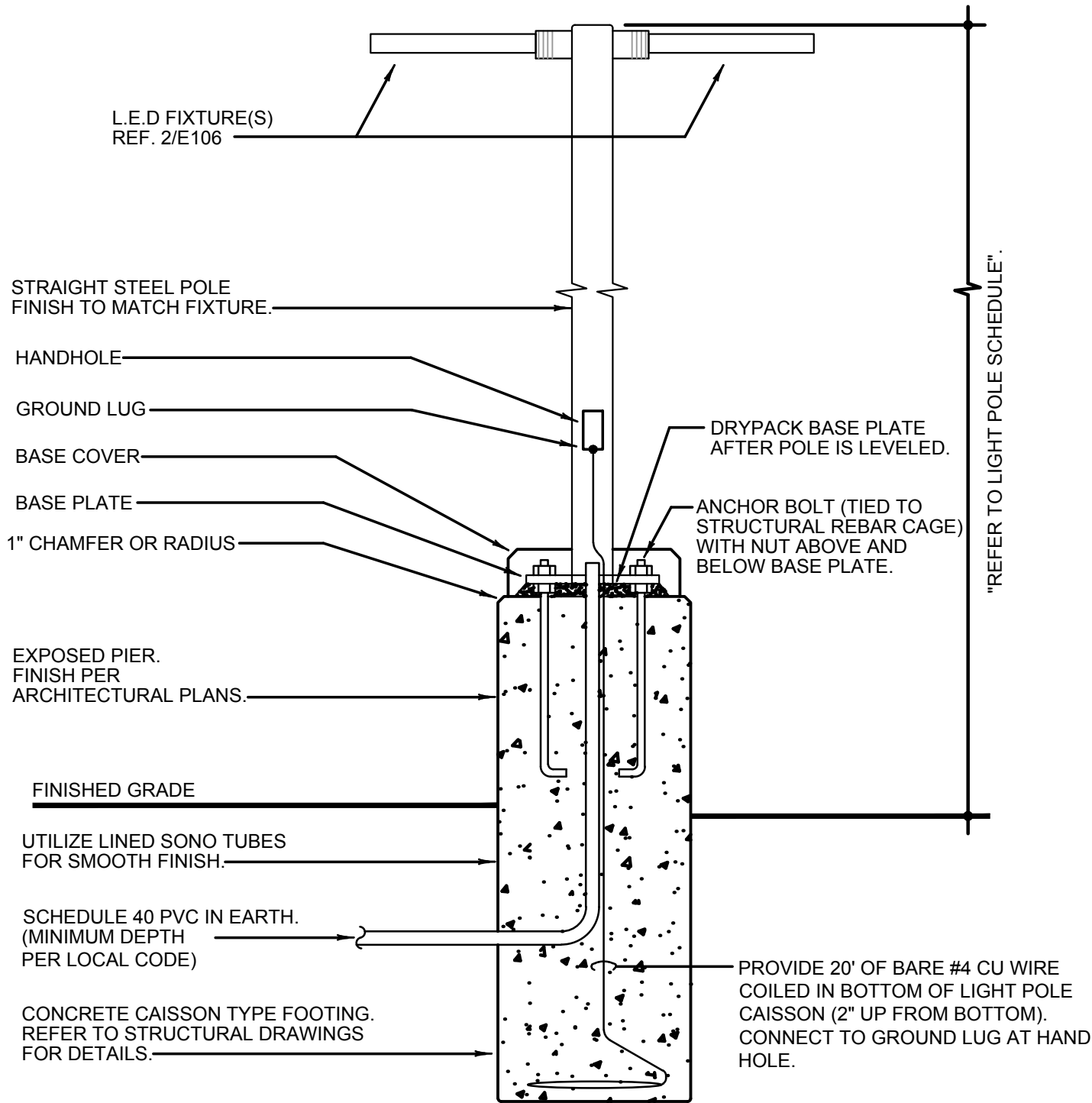
E-105

1. FEED THROUGH LIGHTING CONTACTOR, REF: 11/E400.
2. STUB UP LOCATION FOR (3) 3/4" CONDUITS & PULL STRINGS, TO ENTER BUILDING & UP TO 6" ABOVE CEILING. REFER TO SHEET 1/E401.
3. STUB-UP LOCATION FOR MENU BOARD. SIGN DISCONNECT PROVIDED BY SIGN CONTRACTOR. COORDINATE PRECISE LOCATION WITH ARCHITECT / OWNER.
4. DRIVE-THRU SENSOR LOOP. COORDINATE LOCATION. REFER TO DETAIL 1 / E401.
5. STUB-UP FOR DRIVE-THRU ORDER CONFIRMATION MONITOR. COORDINATE LOCATION WITH ARCHITECT / OWNER.
6. STUB UP LOCATION FOR PYLON SIGN OR MONUMENT SIGN. ELECTRICAL CONTRACTOR TO PROVIDE NON-FUSED DISCONNECT AT BASE OF SIGN. COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER. CONNECT TO EXTERIOR BUILDING SIGN TIMER CONTROL. REFERENCE 11/E400.
7. SEE POLE MOUNTING DETAIL, REFER TO 4/E105.
8. CABLE PULL BOX; REFERENCE 1/E100. INSTALL MINIMUM 3' FROM SIDEWALK. DO NOT INSTALL IN SIDEWALK CONCRETE.
9. REF: 1/E400 FOR SES GROUNDING DETAIL.
10. PROVIDE 1/2" CONDUIT AND JUNCTION/SPLICE BOX FOR OUTER LOOP SENSOR.

## SITE PLAN KEYED NOTES

3

E-105



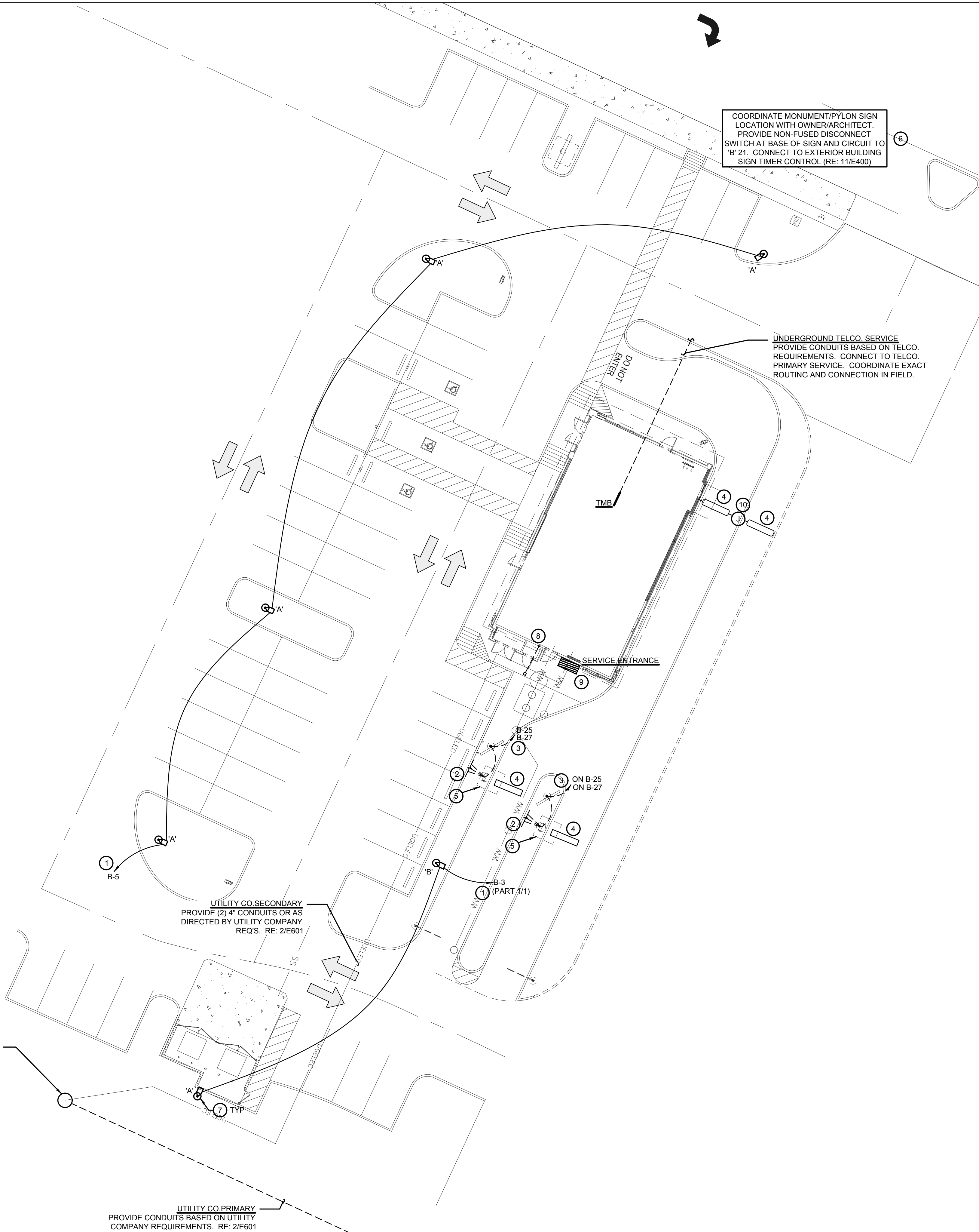
NOTE: THIS DETAIL IS FOR ELECTRICAL INSTALLATION ONLY. REFER TO STRUCTURAL DRAWINGS FOR MORE INFORMATION.

## POLE MOUNTING DETAILS

4

E-105

NO SCALE



## SITE & EXTERIOR LIGHTING PLAN

1

E-105

1" = 16'-0"



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Rosemead, California  
91770

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Facsimile: 626.372.8288

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### REVISIONS:

1	FIRE COMMENTS	06.20.23
2	HEALTH COMMENTS	08.16.23
3	SITE DEVELOPMENT REV.	08.31.23
4	SITE DEVELOPMENT REV.	11.09.23

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3	BUILDING PERMIT SET	06.15.23
4	BID SET	09.15.23
5	BID SET	12.05.23
6	BID SET	02.27.24

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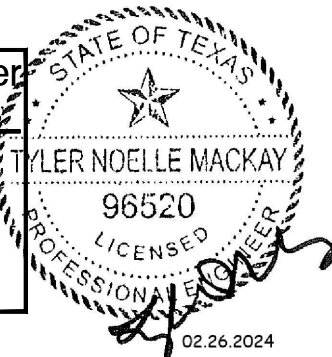
PANDA PROJECT #:

PANDA STORE #: S8-23-D23586

ARCH PROJECT #: 22080-003

James F. Turner  
Engineers, L.P.

Consulting Engineers  
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Dallas, TX 75231  
214.750.2800  
DRAWN/DESIGN: SVA/SVA  
JC/APP: TNM/TNM  
LSP: #1002  
TX REGISTRATION #10349



**Heights Venture**  
ARCHITECTURE + DESIGN

HOUSTON 1111 North Loop West, Suite 800 77008 713.869.1103 V  
DALLAS 5741 Legacy Drive, Suite 320 Plano, Texas 75024 972.490.7292 V

PANDA EXPRESS

PANDA EXPRESS  
12991 W. STATE HWY. 29  
LIBERTY HILL, TX 78642

E-105

SITE & EXTERIOR LIGHTING PLAN

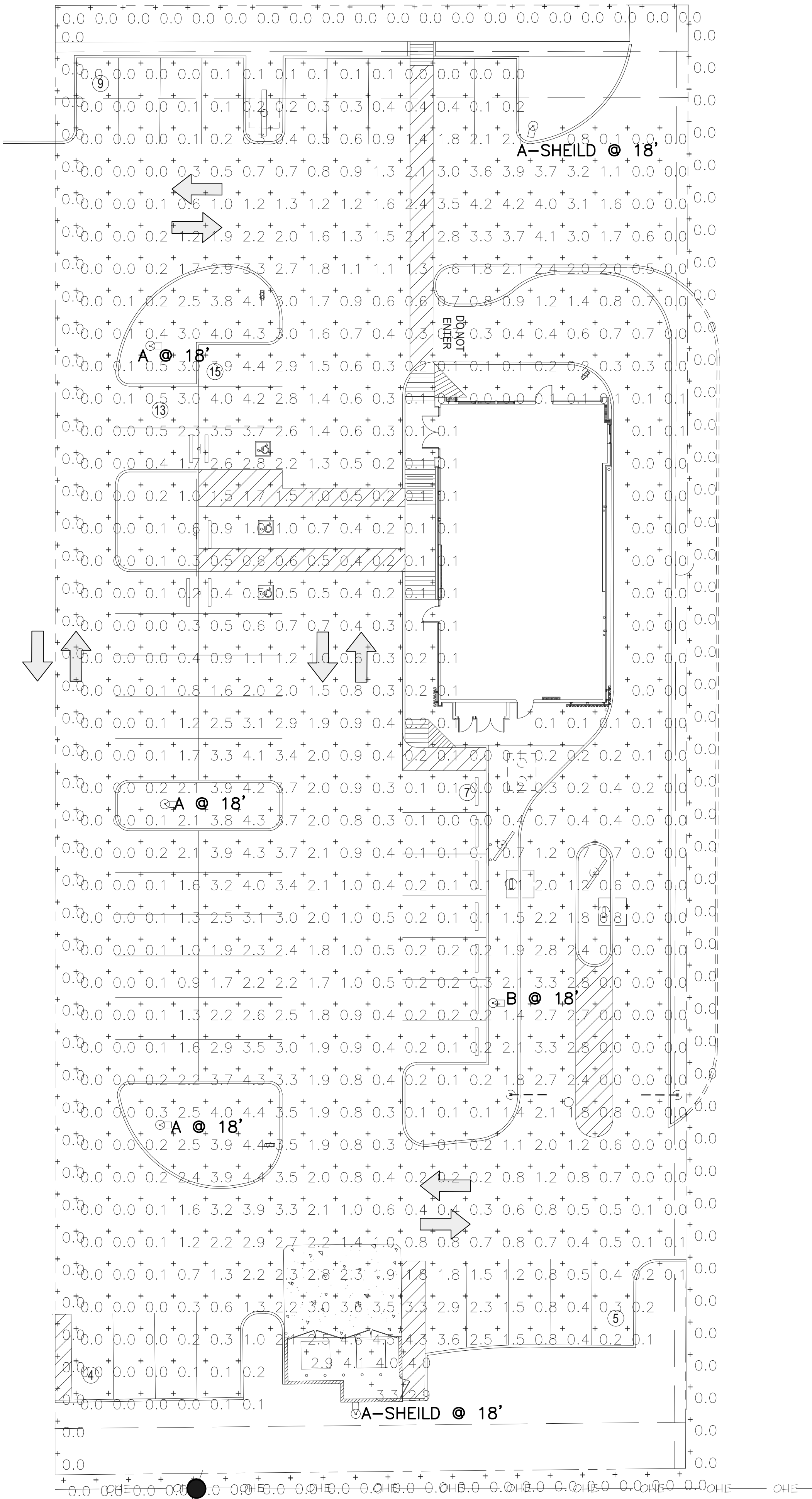
PANDA 2300 HOME R4



Schedule										
Symbol	Label	Quantity	Catalog Number	Description	Filename	Lumens Per Lamp	Lumen Multiplier	Light Loss Factor	Wattage	Efficiency
	A	3	SLM-LED-12L-SIL-FT-30-70CRI-IL	CONTACT RYAN ZINSELMEIER-314-531-2600	SLM-LED-12L-SIL-FT-30-70CRI-IL.ies	8030	1	0.9	85	100%
	A-SHEILD D	2	SLM-LED-12L-SIL-FT-30-70CRI-IL EHS -SLM -L-60	CONTACT RYAN ZINSELMEIER-314-531-2600	SLM-LED-12L-SIL-FT-30-70CRI-IL.ies	8030	1	0.9	85	100%
	B	1	SLM-LED-12L-SIL-3-30-70CRI-IL EHS-SLM-F-60	CONTACT RYAN ZINSELMEIER-314-531-2600	SLM-LED-12L-SIL-3-30-70CRI-IL.ies	8370	1	0.9	85	100%

Statistics							
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min	
CALC SUMMARY- PAVED SURFACE	+	1.0 fc	4.6 fc	0.0 fc	N/A	N/A	
CALC SUMMARY- PROPERTY LINE	+	0.0 fc	0.0 fc	0.0 fc	N/A	N/A	
TRASH ENCLOSURE	+	3.5 fc	4.1 fc	2.9 fc	1.4:1	1.2:1	

NOTE  
1. MOUNTING HEIGHT OF 18'  
2. CALCULATIONS TAKEN AT GROUND LEVEL  
3. CONTACT VILLA LIGHTING- RYAN ZINSELMEIER- RYAN.ZINSELMEIER@VILLALIGHTING.COM-314-531-2600



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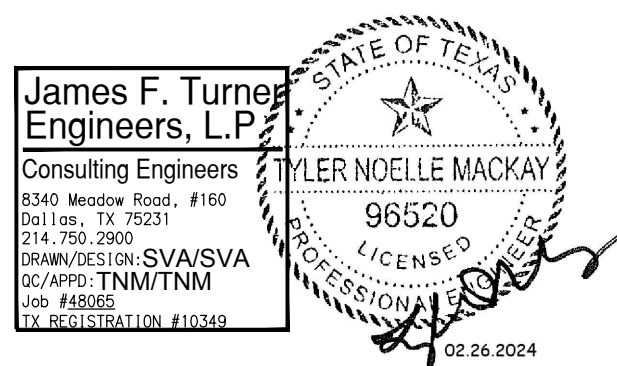
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DRAWN BY: LL

PANDA PROJECT #:  
PANDA STORE #: S8-23-D23586  
ARCH PROJECT #: 22080-003



Heights Venture  
ARCHITECTURE + DESIGN

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DALLAS 5741 Legacy Drive, Suite 320 Plano, Texas 75024 972.490.7292 V

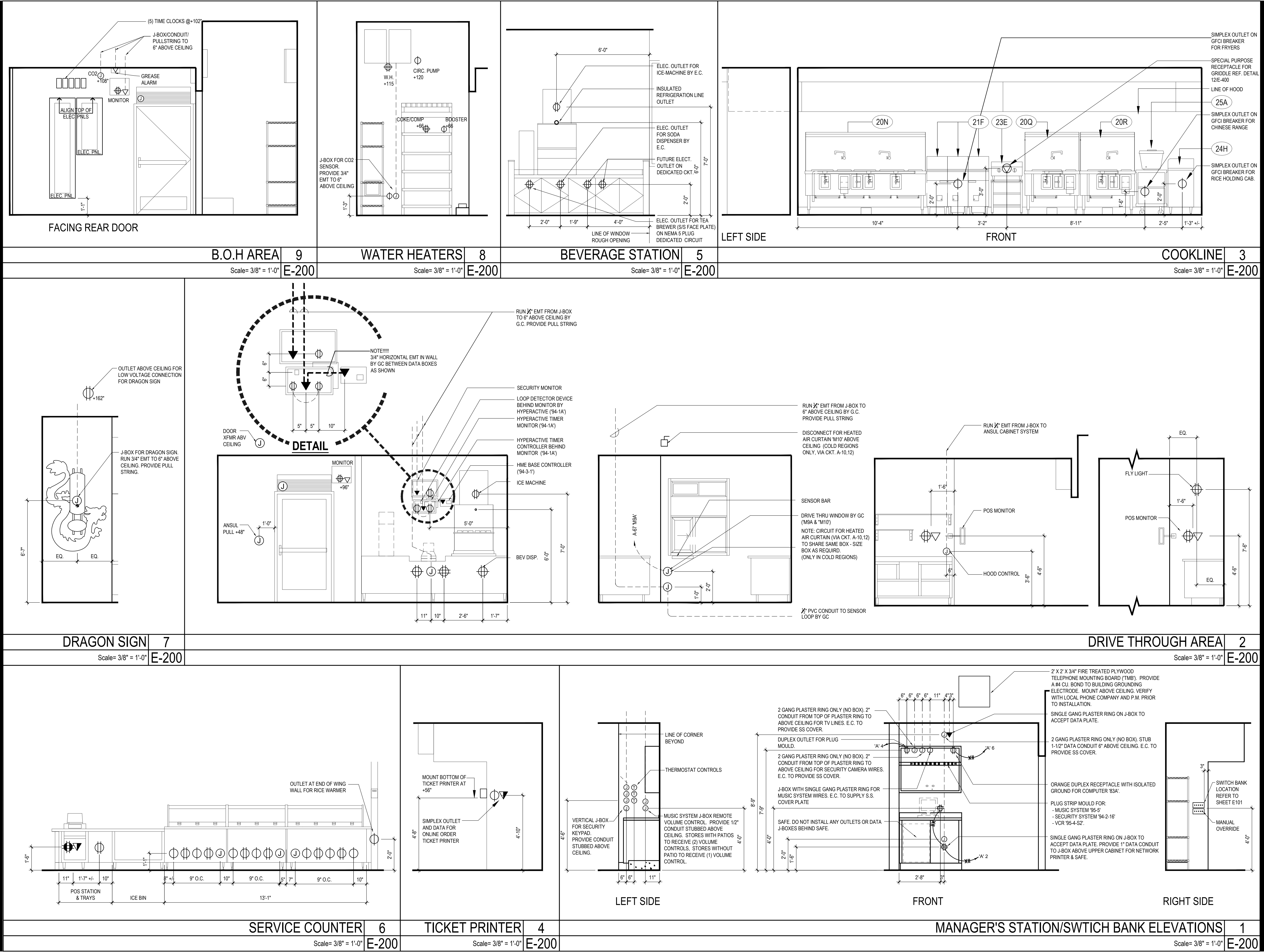
PANDA EXPRESS  
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LIBERTY HILL, TX 78642

E-106  
HOT - MEDIUM  
SITE PHOTOMETRIC PLAN

PANDA 2300 HOME R4

PERMIT / BID SET





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James F. Turner  
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Consulting Engineers  
8140 Meadow Road, #100  
Dallas, TX 75231  
214.750.2900  
DRAWN/DESIGN: SVA/SVA  
CHECKED: TNM/TNM  
TX REGISTRATION #10349

STATE OF TEXAS  
TYLER NOELLE MACKAY  
96520  
LICENSED PROFESSIONAL ENGINEER  
02.26.2024

Heights Venture  
ARCHITECTURE + DESIGN

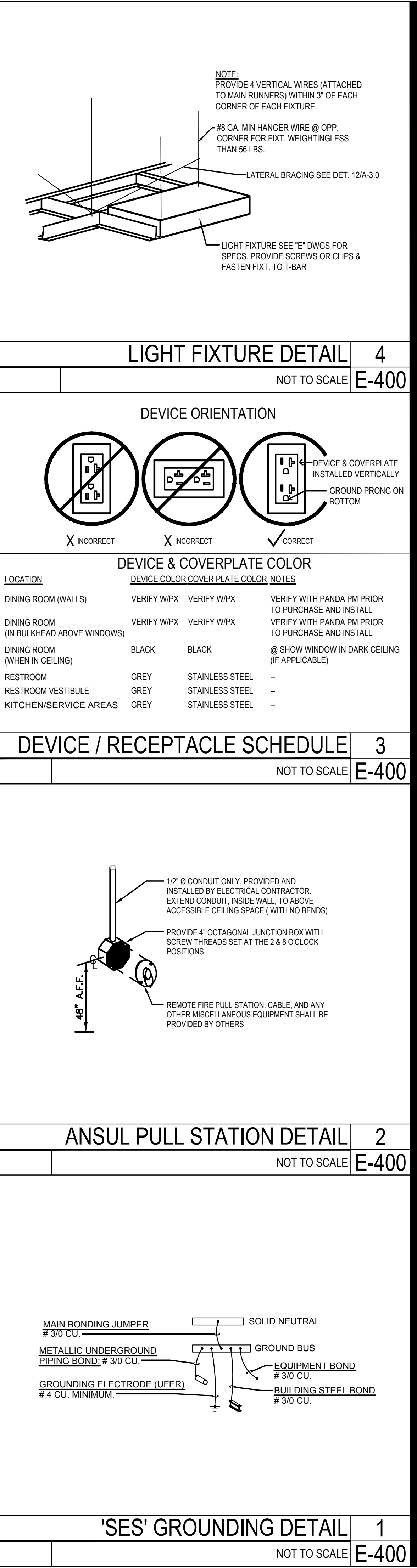
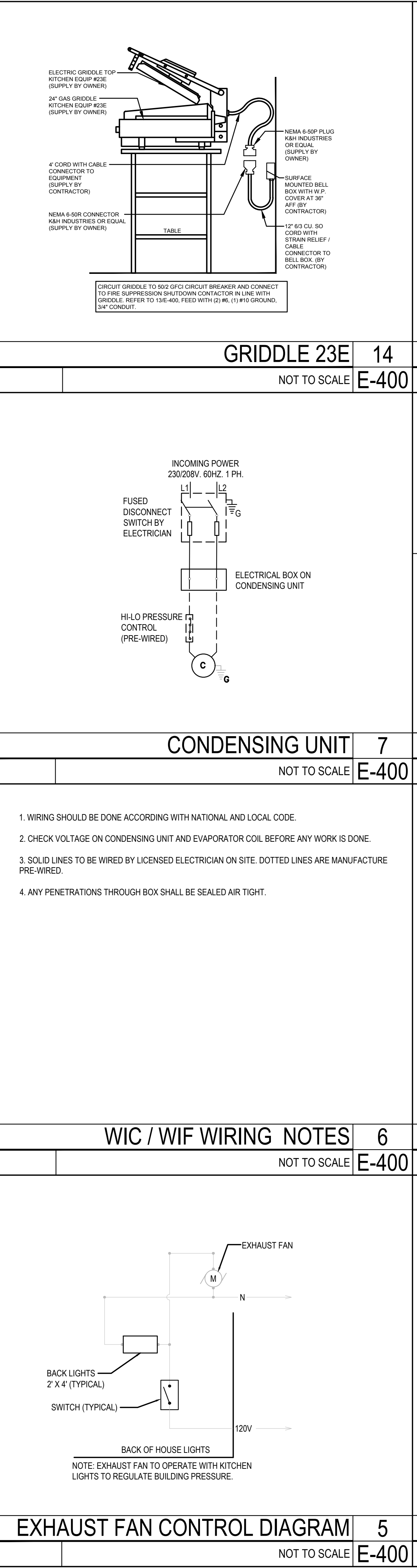
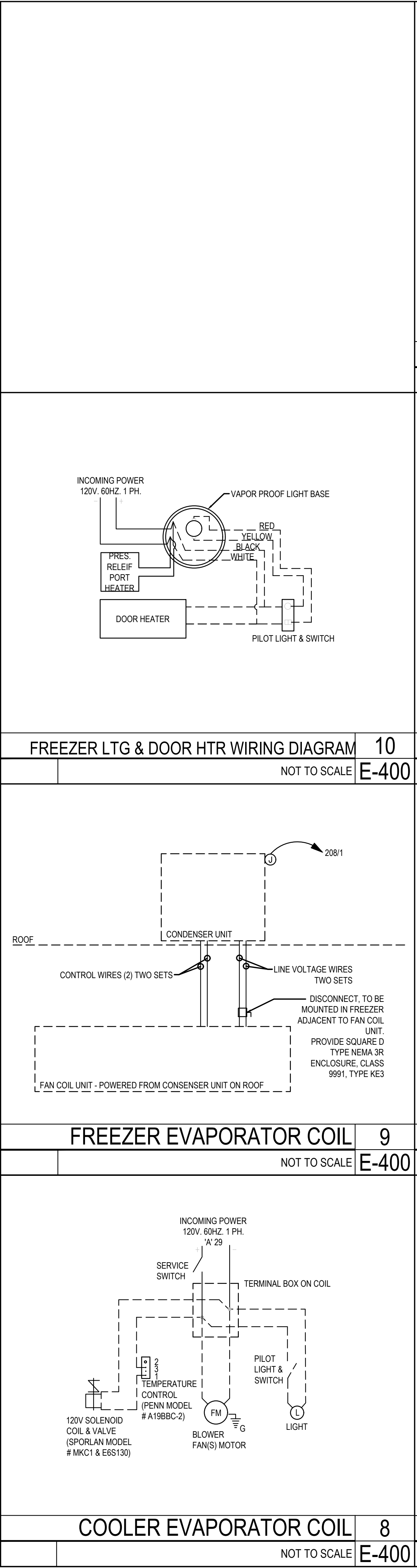
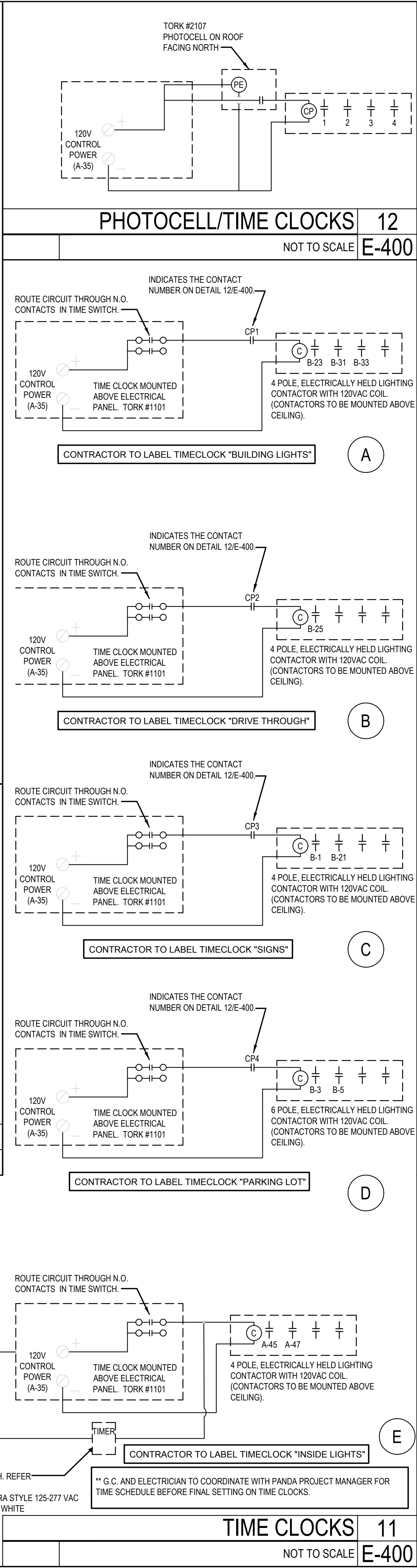
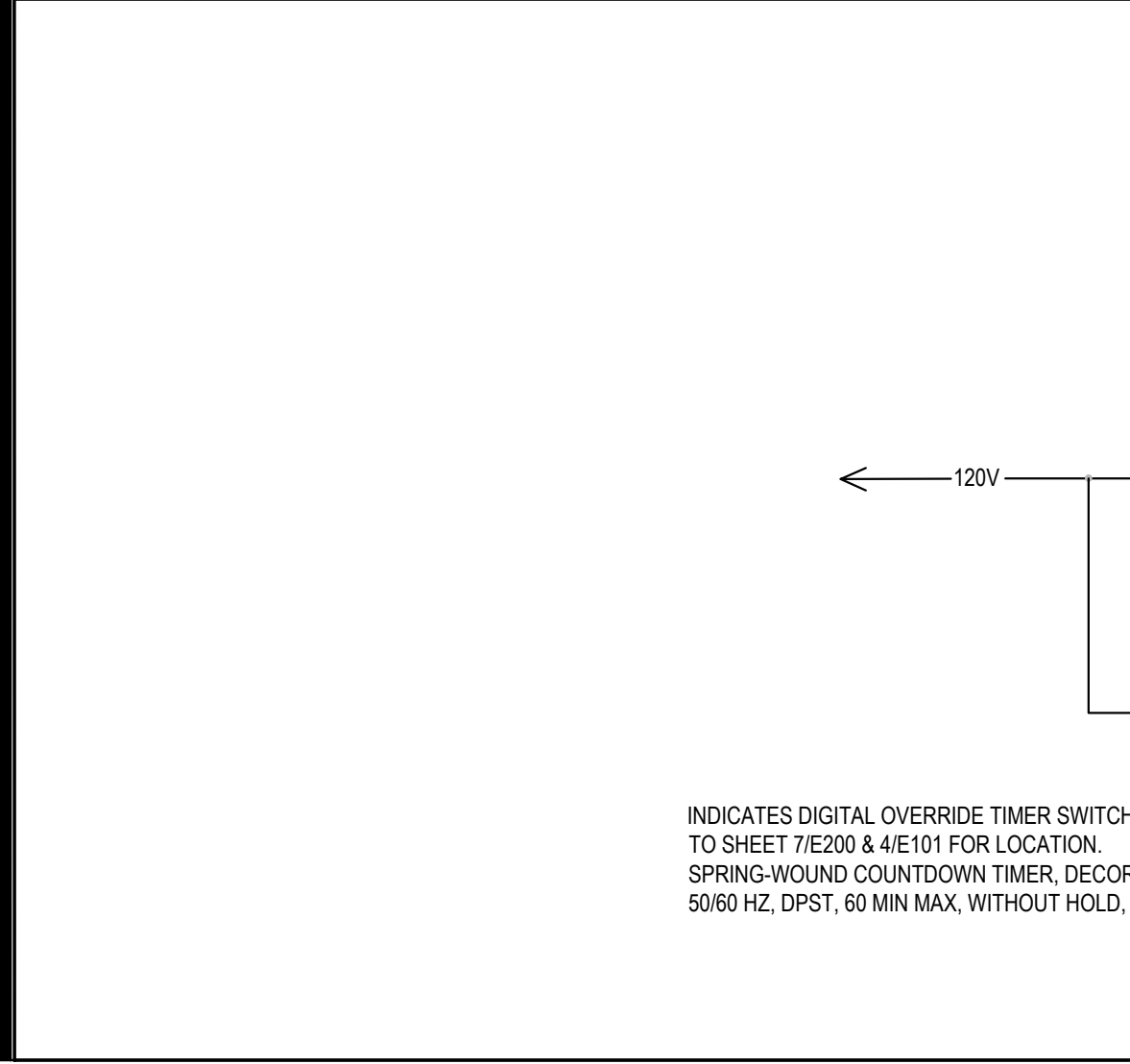
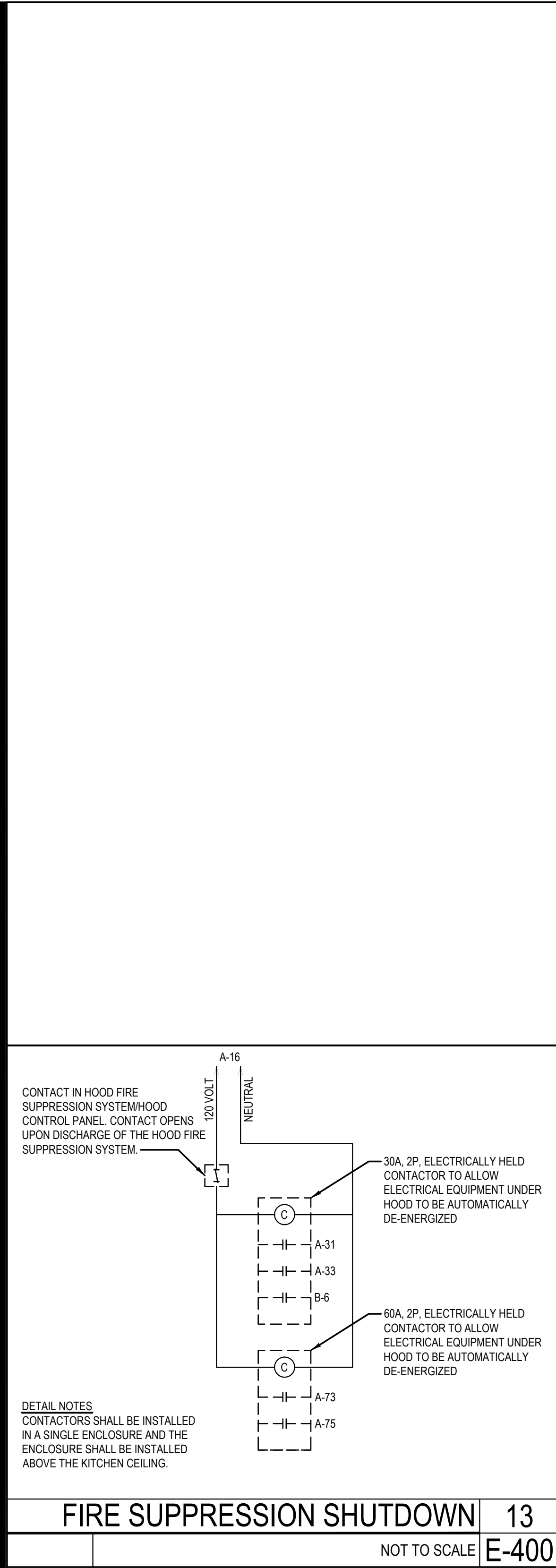
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PANDA EXPRESS  
12991 W. STATE HWY. 29  
LIBERTY HILL, TX 78642

E-200  
ELECTRICAL ELEVATIONS

PANDA 2300 HOME R4





**PANDA EXPRESS**  
CHINESE KITCHEN

PANDA EXPRESS, INC.  
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Rosemead, California 91770  
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Facsimile: 626.372.8288

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DRAWN BY: LL

PANDA PROJECT #:

PANDA STORE #: S8-23-D23586

ARCH PROJECT #: 22080-003

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Consulting Engineers  
8340 Meadow Road, #100  
Dallas, TX 75231  
214.750.2900  
DRAWN/DESIGN: SVA/SVA  
CHECKED: TNM/TNM  
DATE: 02/26/2024  
TX REGISTRATION: #10349

TYLER NOELLE MACKAY  
REGISTERED PROFESSIONAL ENGINEER  
96520  
02.26.2024

**Heights Venture**  
ARCHITECTURE + DESIGN

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**PANDA EXPRESS**

PANDA EXPRESS  
12991 W. STATE HWY. 29  
LIBERTY HILL, TX 78642

**E-400**

HOT - MEDIUM  
ELECTRICAL DETAILS, DIAGRAMS

PANDA 2300 HOME R4

PERMIT / BID SET





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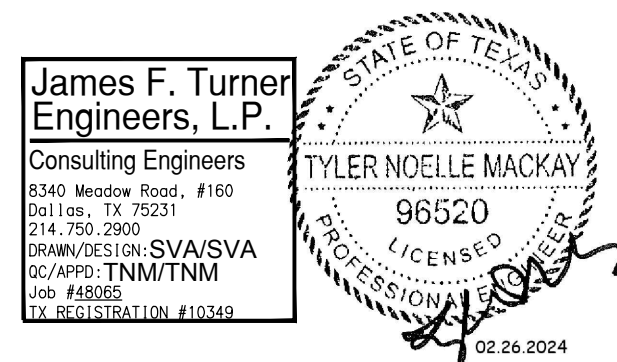
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ARCH PROJECT #: 22080-003



Heights Venture  
ARCHITECTURE + DESIGN

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Houston, Texas 77008  
713.869.1103 v

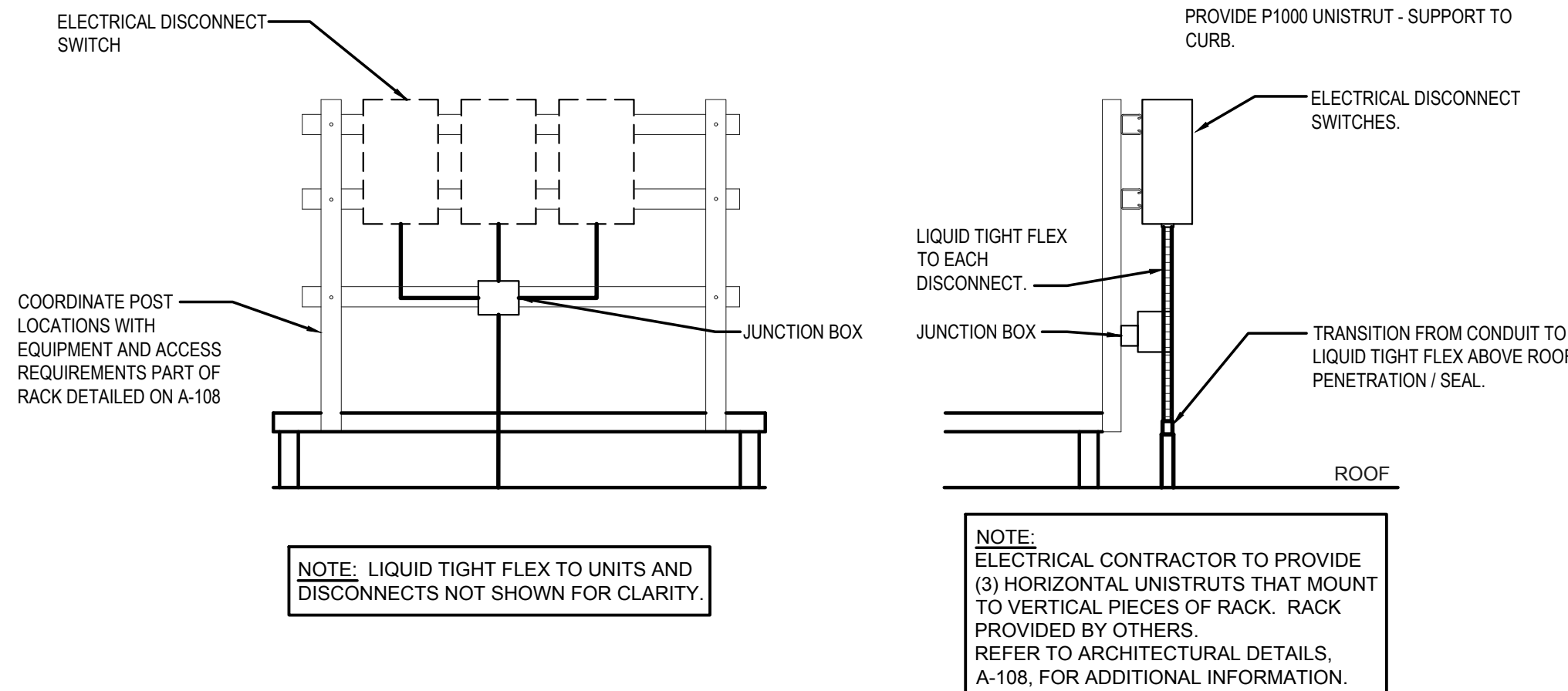
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Plano, Texas 75024  
972.490.7292 v

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PANDA EXPRESS  
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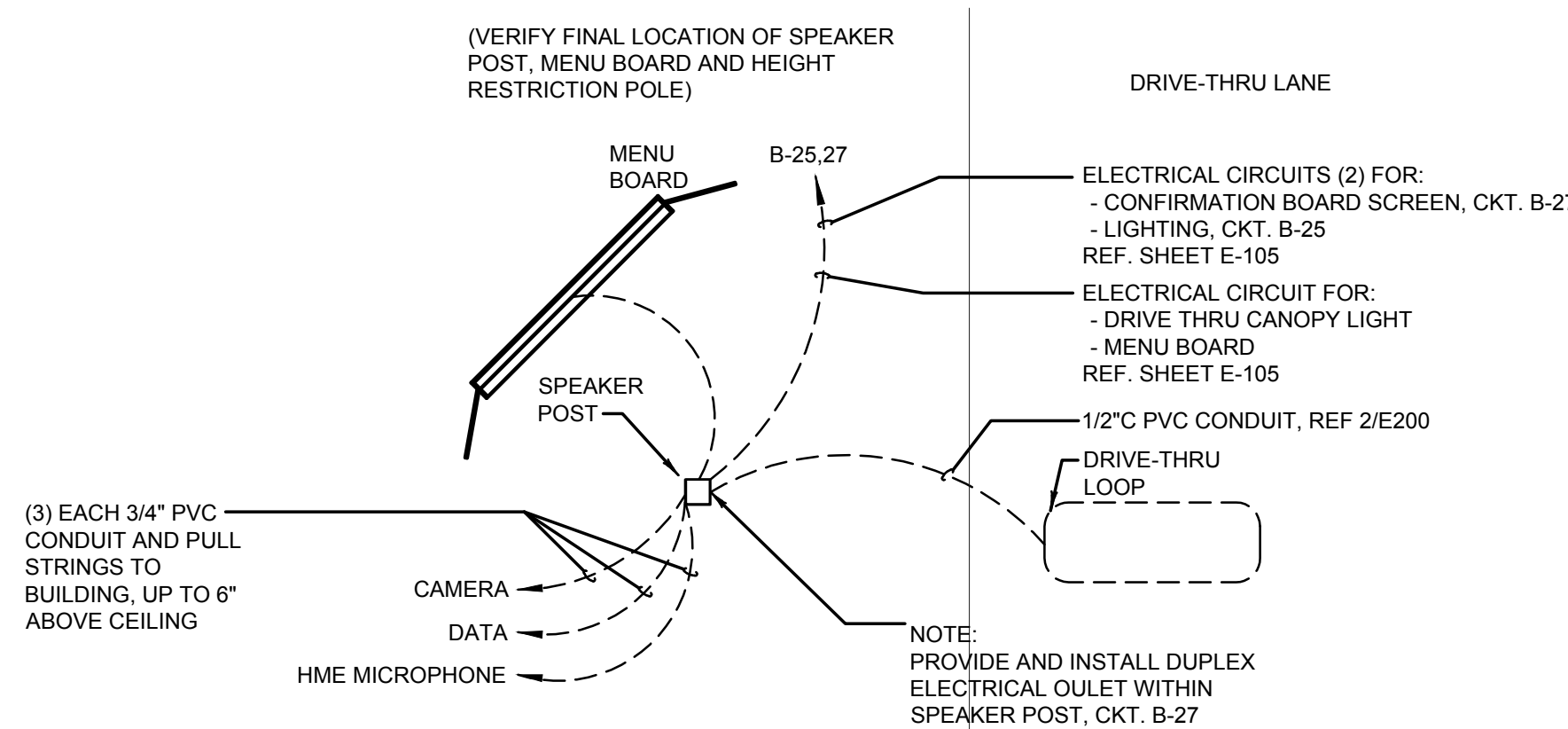
E-401

ELECTRICAL DETAILS, DIAGRAMS

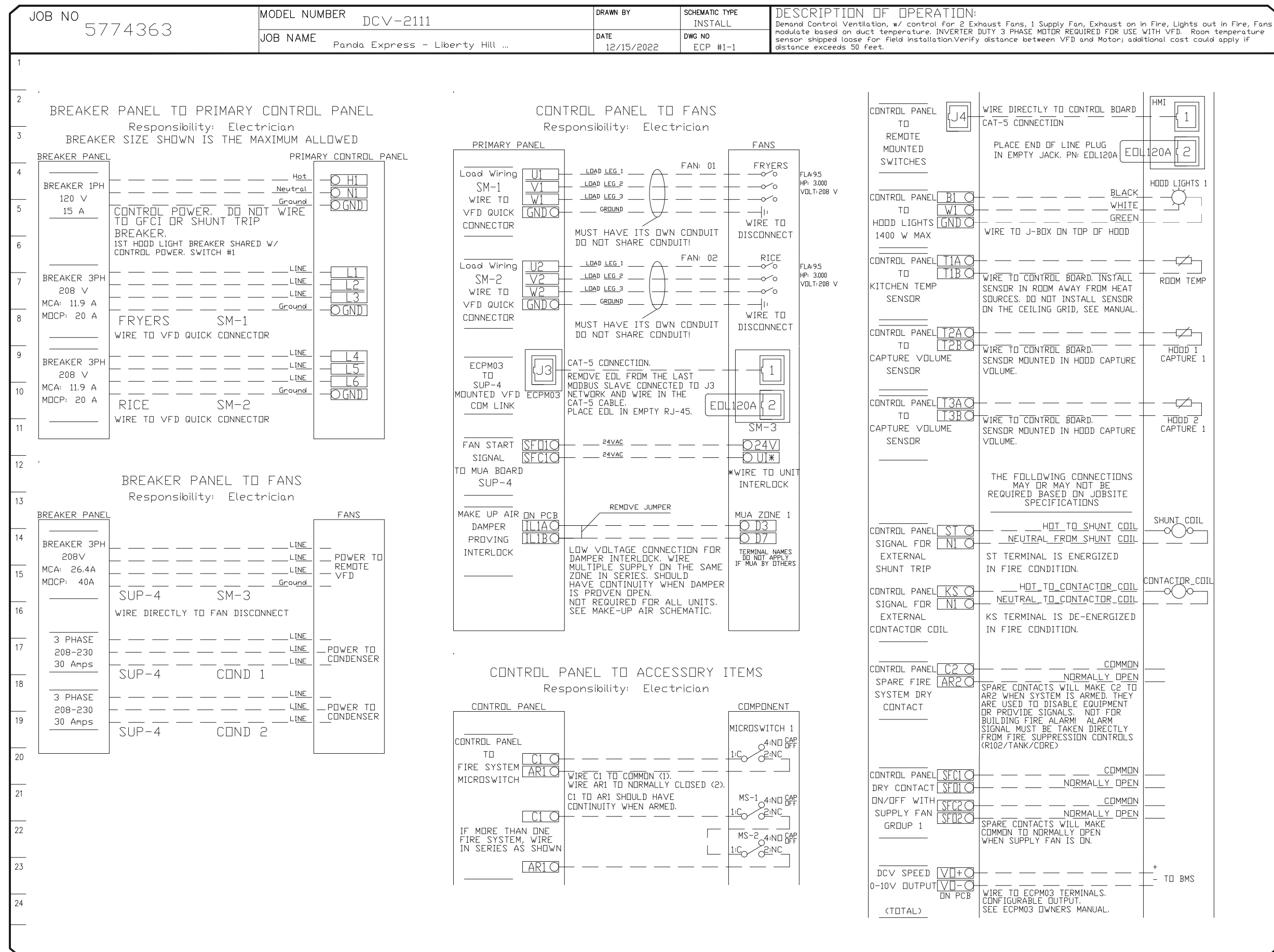
PANDA 2300 HOME R4



EQUIPMENT DISCONNECT SWITCH SUPPORT 2  
NOT TO SCALE E-401



MENU BOARD & SENSOR LOOP 1  
E-401



KITCHEN EXHAUST SYSTEM DIAGRAM 3  
NOT TO SCALE E-401



PANELBOARD A										400 A MLO										LOCATION: ELEC. CABINET																																													
208Y/120, 3-PHASE										4 WIRE										MOUNT: FLUSH																																													
BOLT-ON W/ EQUIPMENT AND ISOLATED GROUND BUS										100% NEUTRAL BUS										TYPE: NEMA 1																																													
PROVIDE AN ARC FLASH WARNING SIGN PER NEC 110.16.										SERIES RATED 100 KAIC BUS AND BRACING																																																							
L	R	M	K	Q	C.B.	POLE	LOAD AREAS			Ø	Ø	Ø	LOAD AREAS			POLE	C.B.	Q	K	M	R	L																																											
AND LOCATION							A	B	C	AND LOCATION																																																							
291					201	1	W.I.C. DISPLAY L1S / MENU BRD / LED						FAX '87, MGR '84C', COMP '48A'	2	201	1000																																																	
				500	201	3	HOOD CONTROL PNL 'M4'						MUSIC, VCR, MONITOR	4	201	600																																																	
				1100	201	5	SERVICE POS '84', PRINT '88A' (IG) (GFCI)						COMPUTER '85A' (IG)	6	201	500																																																	
				1100	201	7	I.D. THRU POS '84', PRINT '88A' (IG) (GFCI)						ICE MACHINE '10J' (GFCI)	8	201	132																																																	
			820		201	9	35-4-33, FLY LIGHT, C22 (GFCI)						CHF-25 HEATED AIR CURTAIN 'M8A' (L)	10	202	1410																																																	
				110	201	11	RICE WARMER '54A' (VD)						.	12	-	1410																																																	
				1440	201	13	REF PREP TABLE '34C'						REAR DOOR / FLY FAN 'M8A'	14	201					1200																																													
				1080	201	15	REF PREP TABLE '34D'						FIRE SUP SHUTDOWN	16	201	500																																																	
				1080	201	17	UNDER COUNTER FRZR '30L' (VD)						AIR CURTAIN 'M8C'	18	201					1200																																													
				1120	201	19	BEV DISPENSER '4AB'						INDUCTION DRY WELL '3F', '3G' (VD) (GFCI)	20	201					1950																																													
				100	201	21	SERVING COUNTER						INDUCTION DRY WELL '3F', '3G' (VD) (GFCI)	22	201					1950																																													
				1780	201	23	ICE TEA BREWER '30'						INDUCTION DRY WELL '3F', '3G' (VD) (GFCI)	24	201					1950																																													
			1200		201	25	FOOD PROCESSOR 'S3'						INDUCTION DRY WELL '3F', '3G' (VD) (GFCI)	26	201					1950																																													
				180	201	27	ELECTRIC DOOR HARDWARE						INDUCTION DRY WELL '3F', '3G' (VD) (GFCI)	28	201					1950																																													
				240	201	29	W.I.C. COIL '31M'						INDUCTION DRY WELL '3F', '3G' (VD) (GFCI)	30	201					1950																																													
				1780	201	31	RICE HOLD CAB '24H' (VD) (ST) (GFCI)						INDUCTION DRY WELL '3F', '3G' (VD) (GFCI)	32	201					810																																													
					200	201	33	FUTURE CONTROLS (ST)					RADIANT TOP HTR '1S2B1'	34	201					475																																													
					500	201	35	TIME CLOCKS					RADIANT TOP HTR '1S2B2'	36	201					625																																													
					864	201	37	BOOSTER RECEPT '4B' (GFCI)					RADIANT TOP HTR '1S2B2'	38	201					625																																													
					500	201	39	HEAT WRAP '32A-S7' (VD) (GFCI)					ICE MACHINE '10J' (GFCI)	40	201					1200																																													
			180		201	41	FLY LIGHT (GFCI)						THAWING CABINET (GFCI)	42	202					1520																																													
				200	201	43	DUCT DETECTORS						.	44	-					1520																																													
670		670			201	45	LTO - FOOD PREP / SM / EF-3 (VD) (C)						SPARE	46	201						180																																												
557					201	47	LTO - DINING AREA (C)						MICROWAVE '55A' (GFCI)	48	15/2					900																																													
			720		201	49	SHOW WINDOW RECEP'TS						.	50	-					900																																													
			540		201	51	GENERAL RECEP'TS / FLY LIGHT						FUTURE EQUIPMENT	52	201						360																																												
			360		201	53	EXTETRIOR/SERVICE RECEP'TS						PICK UP TABLE	54	201						180																																												
			180		201	55	GREASE REMOVAL						ICE MACHINE COND '10J-S1'	56	20/2					1227																																													
				132	201	57	ICE MACHINE '10J' (GFCI)						.	58	-					1227																																													
				1800	201	59	GAS TANKLESS WATER HTR 'P3' (GFCI)						WALK IN FREEZER COND '32-S1' (L)	60	40/2					3900																																													
				1780	201	61	ICE TEA BREWER '30' (VD)						.	62	-					3900																																													
70					201	63	LTO - RESTROOMS						WALK IN COOLER COND '31-S'	64	35/2					2808																																													
					201	65	SPARE						.	66	-					2808																																													
					1200	201	67	DIT WINDOW M10 / SENSOR BAR					RTU-3	68	50/5					5524																																													
				2200	50/2	69	DRIVE-THRU HOT WELL CABINET						.	70	-					5524																																													
				2200	-	71	.						.	72	-					5524																																													
			3790		50/2	73	ELECTRIC GRILL 23E (ST) (GFCI)						RTU-2	74	50/5					5524																																													
			3790		-	75	.						.	76	-					5524																																													
					201	77	SPARE						.	78	-					5524																																													
					201	79	SPARE						RTU-1	80	45/5					3843																																													
				1100	30/2	81	UH-1						.	82	-					3843																																													
				1100	-	83	.						.	84	-					3843																																													
CONNECTED KVA 3Ø																						DEMAND AMPS																						CONNECTED 3Ø LOAD CALCULATIONS																					
LIGHTING																						1.6 100% 4.4																						PER NEC 220.42																					
RECEPTACLE																						2.7 100% 7.5																						PER NEC 220.44																					
MOTOR																						4.3 43 100% 11.9																																											
																						40.6 28.4 65% 73.3																																											
OTHER																						79.5 79.5 100% 220.7																						PER NEC 220.51 - 220.60																					
SPARE																						0.0 0.0 N/A 0.0																																											
TOTAL																						126.7 114.5 317.8																																											
FEEDER IMPACTY ADJUSTMENTS																																																																	
LIGHT AMPS																						1.1																																											
MOTOR AMPS																						2.5																						321 MINIMUM FEEDER AMPS																					
REMARKS:																																																																	
(K) KITCHEN EQUIPMENT SHOWN AT 65% IN PANEL TOTALS PER NEC (KITCHEN EQUIPMENT).																																																																	
(IG) TERMINATE GROUND ON ISOLATED GROUND BUS.																																																																	
(C) ROUTE CIRCUIT THROUGH LIGHTING CONTACTOR CONTROLLED BY TIMELOCK. REFER TO DETAIL 11 / SHEET E-400.																																																																	
(V) WIRE SIZE INCREASE DUE TO VOLTAGE DROP. SIZE EQUIPMENT GROUND CONDUCTOR PROPORTIONALLY PER NEC.																																																																	
(L) PROVIDE LOCKING DEVICE (LOOK OFF FOR MAINTENANCE)																																																																	
(ST) CIRCUIT TO BE ROUTED THROUGH HOOD SHUNT-TRIPPED CONTACTOR. REFER TO DETAIL 13E-400.																																																																	
(GFCI) PROVIDE GROUND-FAULT CIRCUIT-INTERRUPTOR (5mA) TYPE CIRCUIT BREAKER.																																																																	
INTERIOR PANELBOARDS SHALL BE RECESSED WITH FLANGED/REMOVABLE SCREW-ON COVER. SURFACE MOUNTED PANELBOARDS OR HINGED/FLUSH COVERS NOT ALLOWED.																																																																	
LEAVE ALL SPARES IN THE OFF POSITION.																																																																	