

ABBREVIATIONS

ABV	ABOVE	CFS	CUBIC FEET PER SECOND	EPO	EMERGENCY POWER OFF	FPM	FEET PER MINUTE	HW	DOMESTIC HOT WATER	O	OXYGEN	RL	REFRIGERANT LIQUID	U.N.O.	UNLESS NOTED OTHERWISE
ADA	AMERICANS WITH DISABILITIES ACT	CLG	CEILING	(ER)	EXISTING TO BE RELOCATED	FSD	COMBINATION FIRE SMOKE DAMPER	HWC	DOMESTIC HOT WATER RECIRCULATION	OA	OUTSIDE AIR	RPM	REVOLUTIONS PER MINUTE	V	VENT
AD	AREA DRAIN	CHR	CHILLED WATER SUPPLY	ERV	ENERGY RECOVERY VENTILATOR	FT	FEET	HX	HEAT EXCHANGER	OBD	OPPOSED BLADE DAMPER	RPZ	REDUCED PRESSURE ZONE	VAC	VACUUM
AFF	ABOVE FINISHED FLOOR	CHS	CHILLED WATER SUPPLY	ESP	EXTERNAL STATIC PRESSURE	FU	FIXTURE UNITS	IG	ISOLATED GROUND	OCD	OVERFLOW CONDENSATE DRAIN	RS	REFRIGERANT SUCTION	VFD	VARIABLE FREQUENCY DRIVE
AL	ALUMINUM	CO	CLEANOUT	EW	ELECTRIC WATER COOLER	FV	FACE VELOCITY	IWH	INSTANTANEOUS WATER HEATER	OC	OVERCURRENT PROTECTIVE DEVICE	RTU	ROOFTOP UNIT	VIF	VERIFY IN FIELD
AI	ANALOG INPUT	CR	CONDENSER WATER RETURN	EW	ELECTRIC WATER HEATER	G	GAS	IW	INDIRECT WASTE	OCI	OWNER FURNISHED CONTRACTOR INSTALLED	S	SINK	VTR	VENT THROUGH ROOF
AO	ANALOG OUTPUT	CS	CONDENSER WATER SUPPLY	EWT	ENTERING WATER TEMPERATURE	GFI	GROUND FAULT INTERRUPTER	IWV	INDIRECT WASTE VENT	OFD	OVERFLOW ROOF DRAIN	SA	SUPPLY AIR	W	SANITARY WASTE
APD	AIR PRESSURE DROP	CW	DOMESTIC COLD WATER	EXH.	EXHAUST	GM	GAS METER	KW	KILOWATT	OSD	OVERFLOW STORM	SAG	SUPPLY AIR GRILLE/REGISTER	WB	WET BULB
AST	ABOVE GROUND STORAGE TANK	CU	COPPER	(F)	FUTURE	GND	GROUND	L	LAVATORY	PBD	PARALLEL BLADE DAMPER	SAN	SANITARY SEWER	WC	WATER CLOSET
BAS	BUILDING AUTOMATION SYSTEM	(D)	EXISTING TO BE DEMOLISHED	*F	DEGREES FAHRENHEIT	GPH	GALLONS PER HOUR	LAT	LEAVING AIR TEMPERATURE	PH	PHASE	SD	STORM DRAIN	WCO	WALL CLEANOUT
BFF	BELOW FINISHED FLOOR	DB	DRY BULB	FCO	FLOOR CLEANOUT	GPM	GALLONS PER MINUTE	LBS	POUNDS	PP	POWER POLE	SF	SQUARE FEET	WP	WEATHER PROOF
BFP	BACKFLOW PREVENTER	DCO	DOUBLE CLEANOUT	FD	FIRE DAMPER	GRS	GALVANIZED RIGID STEEL	MATV	MASTER ANTENNA TELEVISION SYSTEM	PSI	POUNDS PER SQUARE INCH	SMD	SMOKE DAMPER	WPD	WATER PRESSURE DROP
BDD	BACKDRAFT DAMPER	DI	DIGITAL INPUT	FDC	FIRE DEPARTMENT CONNECTION	GW	GREASY WASTE	MB	MOP BASIN	PSIG	POUNDS PER SQUARE INCH (GAGE)	SP	STATIC PRESSURE	WSHP	WATER-SOURCE HEAT PUMP
BHP	BRAKE HORSEPOWER	DN	DOWN	FOS	FUSED DISCONNECT SWITCH	GWH	GAS WATER HEATER	MBH	THOUSANDS OF BTUS PER HOUR	PVC	POLYVINYL CHLORIDE PIPE	SPD	STATIC PRESSURE DROP	* WC	INCHES WATER COLUMN
BTU	BRITISH THERMAL UNIT	DO	DIGITAL OUTPUT	FLA	FULL LOAD AMPS	HB	HOSE BIBB	MCA	MINIMUM CIRCUIT AMPS	(R)	RELOCATED	TPV	TRAP PRIMER VALVE	* WG	INCHES WATER GAUGE
BTUH	BRITISH THERMAL UNIT PER HOUR	DT	DAY TANK	FLD	FLOOR DRAIN	HD	HUB DRAIN	MFG	MANUFACTURER	RABL	RETURN AIR BOOT (L-SHAPPED)	TPD	TOTAL PRESSURE DROP	WM	WALL MOUNTED
C	CONDUIT	(E)	EXISTING	FL	FLOW LINE	HG	REFRIGERANT HOT GAS	MOC	MAXIMUM OVERCURRENT PROTECTION	RA	RETURN AIR	TP	TOTAL PRESSURE	XFMR	TRANSFORMER
CA	COMPRESSED AIR	EAG	EXHAUST AIR GRILLE/REGISTER	FOR	FUEL OIL RETURN	HI	HARDWIRE INTERLOCK	MTD	MOUNTED	RABU	RETURN AIR BOOT (U-SHAPPED)	TW	DOMESTIC TEMPERED WATER	U	URINAL
CB	CIRCUIT BREAKER	EAT	ENTERING AIR TEMPERATURE	FOS	FUEL OIL SUPPLY	HP	HORSEPOWER	NC	NOISE CRITERIA	RAG	RETURN AIR GRILLE/REGISTER	UF	UNDERFLOOR		
CD	CONDENSATE DRAIN	E.C.	EMPTY CONDUIT	FP	FIRE PROTECTION WATER	HR	HEATING HOT WATER RETURN	NIC	NOT IN CONTRACT	RD	ROOF DRAIN	UG	UNDERGROUND		
CFM	CUBIC FEET PER MINUTE	EFF	EFFICIENCY	FPI	FINS PER INCH	HS	HEATING HOT WATER SUPPLY	N3R	NEMA 3R						

MECHANICAL AND PLUMBING SYMBOLS

	EXISTING TO BE REMOVED		EXISTING DUCTWORK TO BE REMOVED		CEILING DIFFUSER		CONNECTION, BOTTOM		BUTTERFLY VALVE
	THIN LINE WEIGHTS REPRESENT EXISTING WORK		EXISTING DUCTWORK		CEILING EXHAUST/RETURN GRILLE		CONNECTION, TOP		BALL VALVE
	BOLD LINE WEIGHTS REPRESENT NEW WORK		NEW DUCTWORK		SLOT DIFFUSER		TRAP		CHECK VALVE
	DOMESTIC COLD WATER PIPING		CHANGE OF ELEVATION - RISE (R) DROP (D)		SIDEWALL GRILLE OR REGISTER		ELBOW		ANGLE VALVE
	DOMESTIC HOT WATER PIPING		DUCT RISER, POSITIVE PRESSURE FIRST FIGURE IS TOP DIMENSION		INDICATES DIRECTION OF AIRFLOW		TEE		GLOBE VALVE
	DOMESTIC HOT WATER RETURN PIPING		DUCT RISER, NEGATIVE PRESSURE FIRST FIGURE IS TOP DIMENSION		THERMOSTAT		45° TEE		BALANCING VALVE
	SANITARY VENT PIPING		DUCT TURNED DOWN, POSITIVE PRESSURE FIRST FIGURE IS TOP DIMENSION		FLOW METER		CAP		PRESSURE RELIEF VALVE
	CONDENSATE DRAIN PIPING		DUCT TURNED DOWN, NEGATIVE PRESSURE FIRST FIGURE IS TOP DIMENSION		FLOW METER		WALL CLEAN-OUT		PRESSURE REGULATING VALVE
	FIRE PROTECTION PIPING		DUCT TURNED UP, POSITIVE PRESSURE FIRST FIGURE IS TOP DIMENSION		VARIABLE FREQUENCY DRIVE CONTROLLER		WATER HAMMER ARRESTER		SOLENOID VALVE
	TEMPERED DOMESTIC WATER PIPING		DUCT TURNED UP, NEGATIVE PRESSURE FIRST FIGURE IS TOP DIMENSION		PIPE, TURNED UP		P-TRAP		THERMOSTATIC TEMPERING VALVE
	DETAIL TAG		MANUAL VOLUME DAMPER		PIPE, TURNED DOWN		STRAINER		TAMPER SWITCH VALVE
	PLUMBING RISER TAG		DUCT CAP				UNION		PLUG VALVE
	DIFFUSER, REGISTER, GRILLE TAG								TRAP PRIMER VALVE
			SCHEDULE DESIGNATION						REGULATOR
			NECK SIZE						HOSE BIBB
			AIR QUANTITY (CFM)						THERMOMETER

ELECTRICAL AND LIGHTING SYMBOLS

	REPRESENTS DEMO WORK		WALL MOUNTED VOLUME CONTROL (P.A.)		FIRE ALARM SYSTEM TAMPER SWITCH		FLAME DETECTOR		WYE-CONNECTION
	LOW VOLTAGE		DIMMER SWITCH		FIRE ALARM ANNUNCIATOR PANEL		TELEVISION OUTLET MTD 96" A.F.F. WITH 3/4" CONDUIT CONNECTION TO OTHER DEVICES, U.N.O.		CIRCUIT BREAKER
	CONDUIT		MOTION DETECTOR SWITCH LEVITON MODEL NUMBER OSSMT-MD		FIRE ALARM CONTROL PANEL		2' X 4' FLUORESCENT-REFERENCE LIGHT FIXTURE SCHEDULE		DISCONNECT/INTERRUPTER SWITCH
	UNDERGROUND/UNDERFLOOR CONDUIT		CEILING MOUNTED MOTION DETECTOR LEVITON MODEL NUMBER OSC20M		FIRE ALARM SYSTEM FLOW SWITCH		SAME AS 2' X 4' EXCEPT WITH EMERGENCY NICAD BATTERY PACK.		FUSE
	FLEXIBLE CONDUIT		WALL MOUNTED CLOCK		GENERATOR REMOTE ALARM		SAME AS 2' X 2' EXCEPT WITH EMERGENCY NICAD BATTERY PACK.		CAPACITOR
	WIRE MOLD		BUZZER		GENERATOR REMOTE ANNUNCIATOR PANEL		FLUORESCENT STRIP-REFERENCE LIGHT FIXTURE SCHEDULE		SERVICE WEATHERHEAD
	HOMERUN		BELL		GENERATOR		SAME AS 2' X 2' EXCEPT WITH EMERGENCY NICAD BATTERY PACK.		GROUND CONNECTION
	WIRING, NEUTRAL		LOW VOLTAGE TRANSFORMER		GROUNDING MODULE FOR SURGERY ROOM OWNER FURNISHED CONTRACTOR INSTALLED		FLUORESCENT STRIP-EMERGENCY NICAD BATTERY PACK.		TRANSFORMER
	WIRING, HOT		GROUND ROD W/TEST WELL		ADA APPROVED FIRE ALARM HORN		FLUORESCENT STRIP-REFERENCE LIGHT FIXTURE SCHEDULE		CONTROL POWER TRANSFORMER
	WIRING, SWITCHLEG		SECURITY KEY PAD		ADA APPROVED AUDIO/VISUAL FIRE ALARM SIGNALING DEVICE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM, MOUNT @ 80" A.F.F.		DOWNLIGHT-REFERENCE LIGHT FIXTURE SCHEDULE		POTENTIAL TRANSFORMER
	WIRING, GROUND		KEY PAD		CEILING MOUNTED ADA APPROVED AUDIO/VISUAL FIRE ALARM SIGNALING DEVICE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM.		WALL MOUNTED LIGHT FIXTURE-REFERENCE LIGHT FIXTURE SCHEDULE		CURRENT TRANSFORMER
	WIRING, ISOLATED GROUND		MEDICAL GAS LINE PRESSURE ALARM PANEL		ADA 'STROBE ONLY' FIRE ALARM DEVICE MOUNT @ 80" AFF		LIGHT FIXTURE-REFERENCE LIGHT FIXTURE SCHEDULE		CABLE POT HEAD
	NEMA L5-30R RECEPTACLE		MAGNETIC LOCK		CEILING MOUNTED ADA 'STROBE ONLY' FIRE ALARM DEVICE		LIGHT FIXTURE-REFERENCE LIGHT FIXTURE SCHEDULE		BUS DUCT
	SINGLE RECEPTACLE		MAGNETIC HOLD-OPEN DEVICE		ADA APPROVED FIRE ALARM PULLSTATION DEVICE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM.		WALL WASHER-REFERENCE LIGHT FIXTURE SCHEDULE		GROUND FAULT RELAY
	DUPLEX RECEPTACLE		PHOTOELECTRIC CELL		ADA APPROVED FIRE ALARM PULLSTATION DEVICE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM.		LIGHT FIXTURE-REFERENCE LIGHT FIXTURE SCHEDULE		FUSED CUTOUT
	ABOVE COUNTER DUPLEX RECEPTACLE		TIME CLOCK		ADA APPROVED FIRE ALARM PULLSTATION DEVICE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM.		LIGHT FIXTURE-REFERENCE LIGHT FIXTURE SCHEDULE		CONTACTOR, NORMALLY CLOSED
	QUADRAPLEX RECEPTACLE		INTERCOM		ADA APPROVED FIRE ALARM PULLSTATION DEVICE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM.		LIGHT FIXTURE-REFERENCE LIGHT FIXTURE SCHEDULE		CONTACTOR, NORMALLY OPEN
	ABOVE COUNTER QUADRAPLEX RECEPTACLE MOUNT @ 44" A.F.F. U.N.O.		INTERCOM CALL MASTER STATION		ADA APPROVED FIRE ALARM PULLSTATION DEVICE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM.		LIGHT FIXTURE-REFERENCE LIGHT FIXTURE SCHEDULE		TRANSFER SWITCH
	SPECIAL PURPOSE RECEPTACLE (VERIFY EXACT NEMA CONFIGURATION)		SQUARE D POWERLOGIC CIRCUIT MONITOR		ADA APPROVED FIRE ALARM PULLSTATION DEVICE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM.		LIGHT FIXTURE-REFERENCE LIGHT FIXTURE SCHEDULE		SWITCH
	FLUSH FLOOR MOUNT DUPLEX RECEPTACLE		CARD READER		ADA APPROVED FIRE ALARM PULLSTATION DEVICE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM.		LIGHT FIXTURE-REFERENCE LIGHT FIXTURE SCHEDULE		BATTERY
	CEILING MOUNTED DUPLEX RECEPTACLE		SECURITY SYSTEM CAM-LOCK DEVICE		ADA APPROVED FIRE ALARM PULLSTATION DEVICE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM.		LIGHT FIXTURE-REFERENCE LIGHT FIXTURE SCHEDULE		LIGHTNING ARRESTER
	FLOOR MOUNTED QUADRAPLEX RECEPTACLE		DICTATION OUTLET		ADA APPROVED FIRE ALARM PULLSTATION DEVICE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM.		LIGHT FIXTURE-REFERENCE LIGHT FIXTURE SCHEDULE		DRAWOUT CONNECTION
	CEILING MOUNTED QUADRAPLEX RECEPTACLE		DOOR HOLDER		ADA APPROVED FIRE ALARM PULLSTATION DEVICE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM.		LIGHT FIXTURE-REFERENCE LIGHT FIXTURE SCHEDULE		ELECTRIC RESISTANCE HEATER
	FLUSH FLOOR DUPLEX/DATA/TELE OUTLET		DOOR CONTACT		ADA APPROVED FIRE ALARM PULLSTATION DEVICE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM.		LIGHT FIXTURE-REFERENCE LIGHT FIXTURE SCHEDULE		GROUND BAR
	FLUSH FLOOR QUAD/DATA/TELE OUTLET		VESDA CONTROL PANEL		ADA APPROVED FIRE ALARM PULLSTATION DEVICE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM.		LIGHT FIXTURE-REFERENCE LIGHT FIXTURE SCHEDULE		CCTV CAMERA
	TRANSFORMER		VEEDER ROOT		ADA APPROVED FIRE ALARM PULLSTATION DEVICE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM.		LIGHT FIXTURE-REFERENCE LIGHT FIXTURE SCHEDULE		CLEAN AGENT RELEASE
	120V/208 ELECTRICAL PANEL BOARD		MANUAL CLEAN AGENT RELEASE PULL STATION		ADA APPROVED FIRE ALARM PULLSTATION DEVICE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM.		LIGHT FIXTURE-REFERENCE LIGHT FIXTURE SCHEDULE		CLEAN AGENT STORAGE BOTTLE
	277V/480 ELECTRICAL PANEL BOARD		REMOTE FIRE ALARM CONTROL PANEL		ADA APPROVED FIRE ALARM PULLSTATION DEVICE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM.		LIGHT FIXTURE-REFERENCE LIGHT FIXTURE SCHEDULE		VIA LIGHTING CONTACTOR
	DATA COMMUNICATIONS OUTLET RUN 3/4" E.C. TO 6" ABV. CLG.				ADA APPROVED FIRE ALARM PULLSTATION DEVICE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM.		LIGHT FIXTURE-REFERENCE LIGHT FIXTURE SCHEDULE		MEDIUM VOLTAGE CIRCUIT BREAKER
	TELEPHONE OUTLET RUN 3/4" E.C. TO 6" ABV. CLG.				ADA APPROVED FIRE ALARM PULLSTATION DEVICE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM.		LIGHT FIXTURE-REFERENCE LIGHT FIXTURE SCHEDULE		TIME DELAY AND INSTANTANEOUS OVERCURRENT PROTECTIVE RELAY



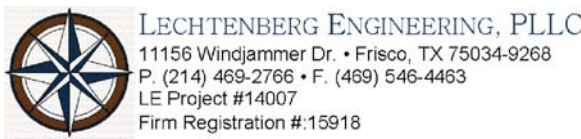
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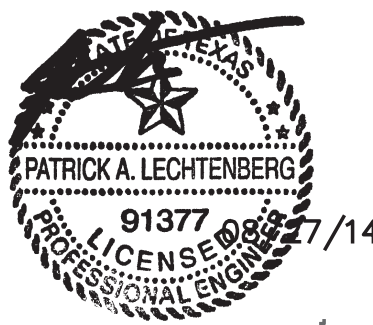
Project:

JORDAN'S
SWEET SHOPPE
TENANT FINISH OUT
THE WOODLANDS, TX

Consultant:



Seal:



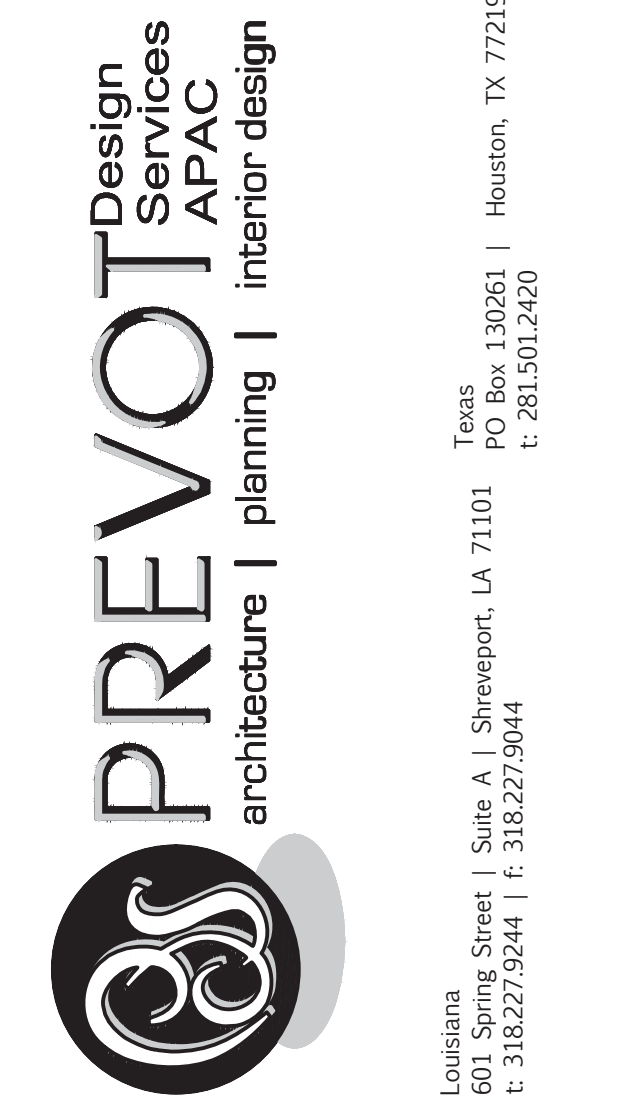
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MEP
SYMBOL LEGEND

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MEP100



JORDAN'S
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Sheet Title:

MECHANICAL
FLOOR PLAN

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M201

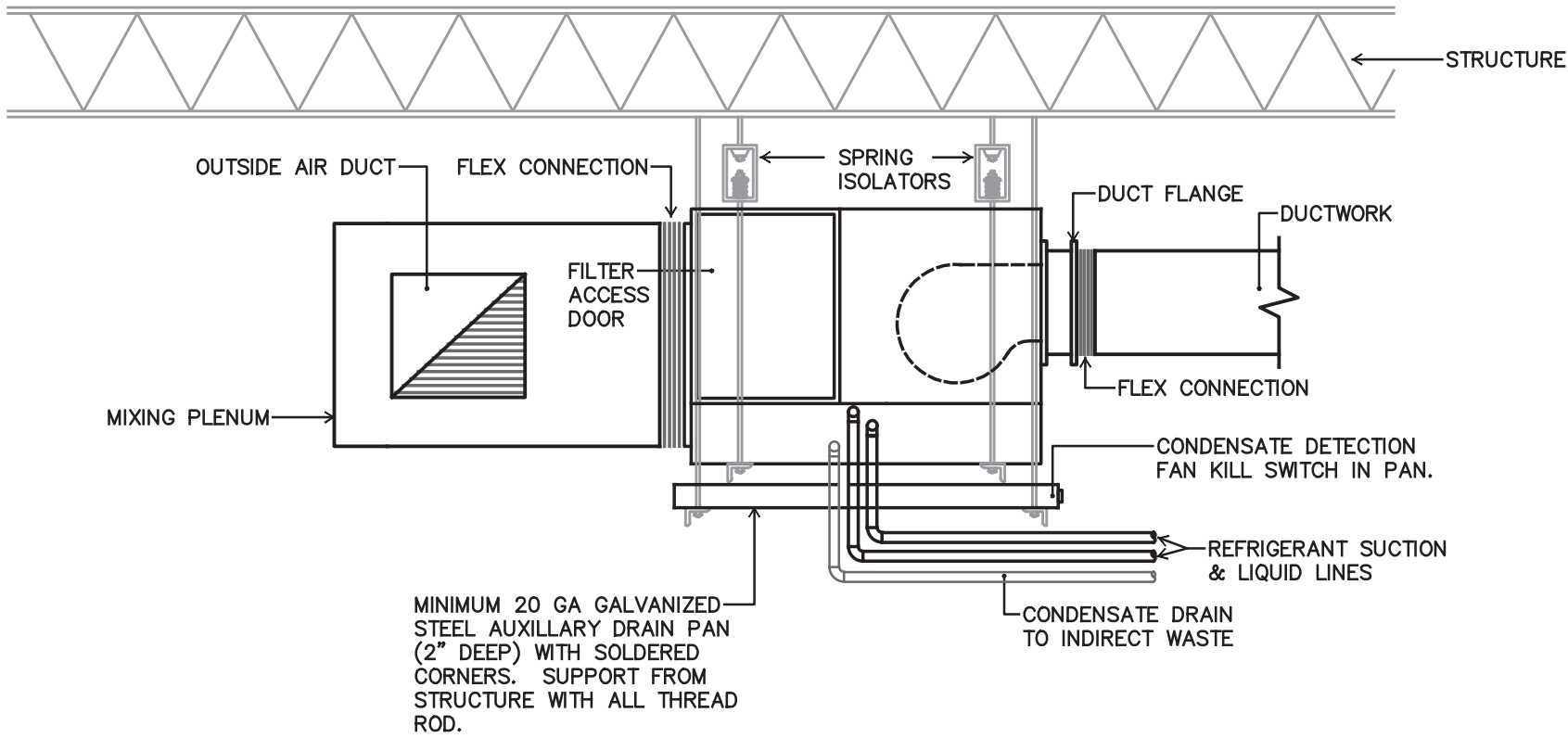
SPLIT SYSTEM SCHEDULE

AIR HANDLING UNIT															CONDENSING UNIT							REMARKS		
MARK	SUPPLY FAN				COOLING				HEATING		MANUFACTURER	MODEL NO.	VOLT/PH	MCA	MOCD	MARK	AMBIENT TEMP (°F)	VOLT/PH	MCA	MOCD	MANUFACTURER		MODEL NO.	
	O/A	CFM	E.S.P (" WG)	BHP/HP	E.A.T. (°F) DB/WB	L.A.T. (°F) DB/WB	TOT. CAP (MBH)	SEN. CAP (MBH)	KW	STEPS														
FCU-1	175	1400	1.0	2.0	77.6/65.2	58.6/57.4	33.95	29.4	15.0	1	LENNOX	CBX27UH-048	460/3	4	15.0	CU-1	105	460/3	8.4	15.0	LENNOX	TSA042S4	1,2,3,4	
FCU-2	175	1400	1.0	2.0	77.6/65.2	58.6/57.4	33.95	29.4	15.0	1	LENNOX	CBX27UH-048	460/3	4	15.0	CU-2	105	460/3	8.4	15.0	LENNOX	TSA042S4	1,2,3,4	
1. UNIT'S FAN IS 460V/1Ø AND ELECTRIC HEAT STRIP IS 460V/3Ø. HEAT STRIP USES (3) 25 AMP BREAKERS (FUSES) 2. MANUFACTURED BY LENNOX, OR APPROVED EQUAL. 3. PROVIDE WITH 7 DAY PROGRAMMABLE THERMOSTAT. 4. MINIMUM 14 SEER UNIT																								

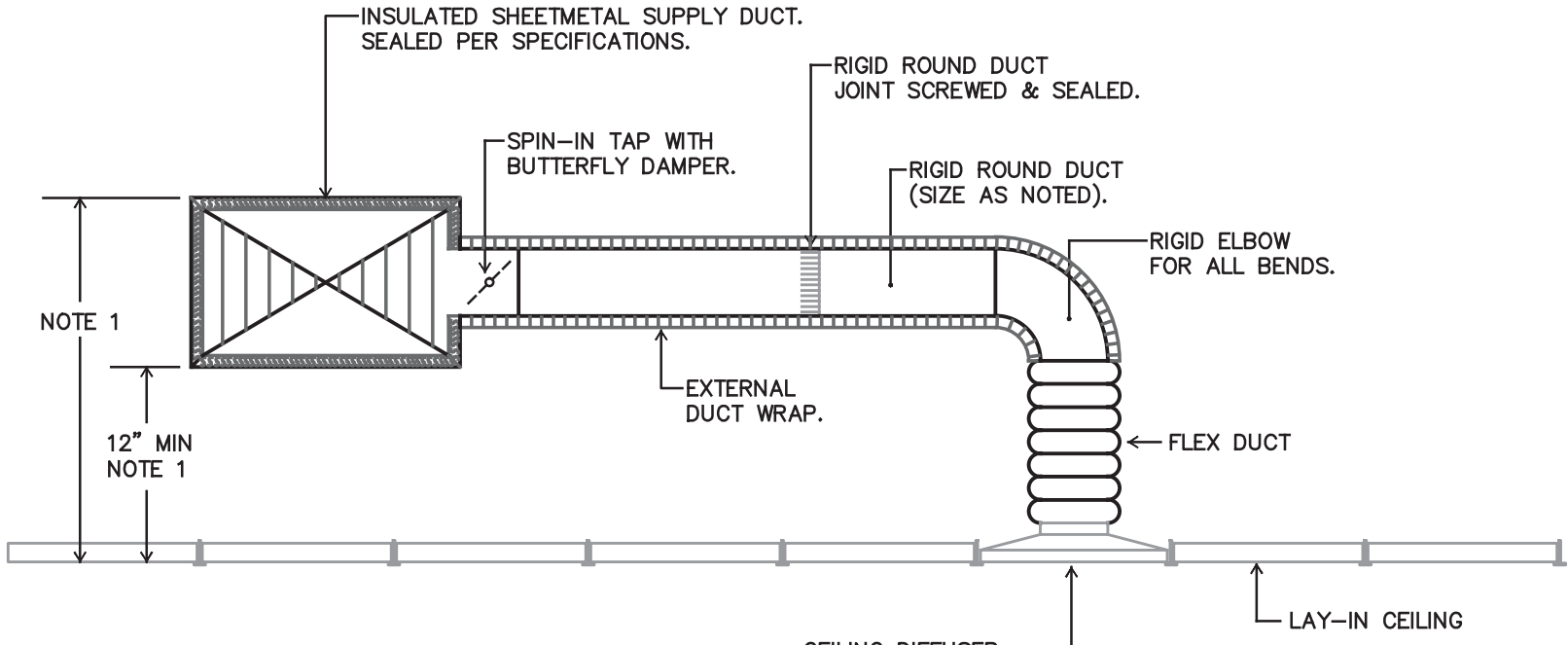
AIR DEVICE SCHEDULE

MARK	DUTY	TYPE	FACE SIZE	NECK SIZE	CFM	MAX. T.P. (" WG)	MAX. N.C.	MANUFACTURER	MODEL NO.	REMARKS
A	SUPPLY	CEILING	24"X24"	AS NOTED	AS NOTED	0.15	25	TITUS	TMS	1,2
B	SUPPLY	CEILING	24"X24"	AS NOTED	AS NOTED	0.15	25	TITUS	TMS	2,3
C	RETURN	CEILING	24"X24"	22"X22"	AS NOTED	0.15	25	TITUS	PAR	1,2
E	EXHAUST	CEILING	24"X24"	8"Ø	AS NOTED	0.15	25	TITUS	PAR	2,3
F	RETURN	CEILING	24"X24"	22"X22"	AS NOTED	0.15	25	TITUS	PAR	2,3

1. AIR DEVICE SHALL BE FURNISHED WITH PAIN GRIP COATING, READY TO PAINT AS SPECIFIED BY THE ARCHITECT.2. AIR DEVICE SHALL HAVE FRAMES AND BORDERS SUITABLE FOR THE CONSTRUCTION IN WHICH THEY WILL BE INSTALLED.3. STANDARD WHITE FINISH.



03 FAN COIL UNIT DETAIL
SCALE: NONE



NOTE 1: VERIFY IN FILED WITH CLEARANCES AT SHELL BUILDING STRUCTURE. NOTIFY ARCHITECT IF CONFLICTS.

02 DUCT DETAIL
SCALE: NONE



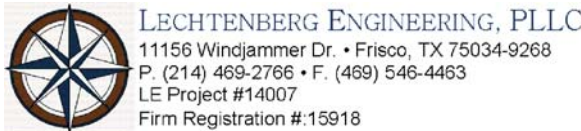
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Revisions:

Sheet Title:

MECHANICAL
DETAILS &
SCHEDULES

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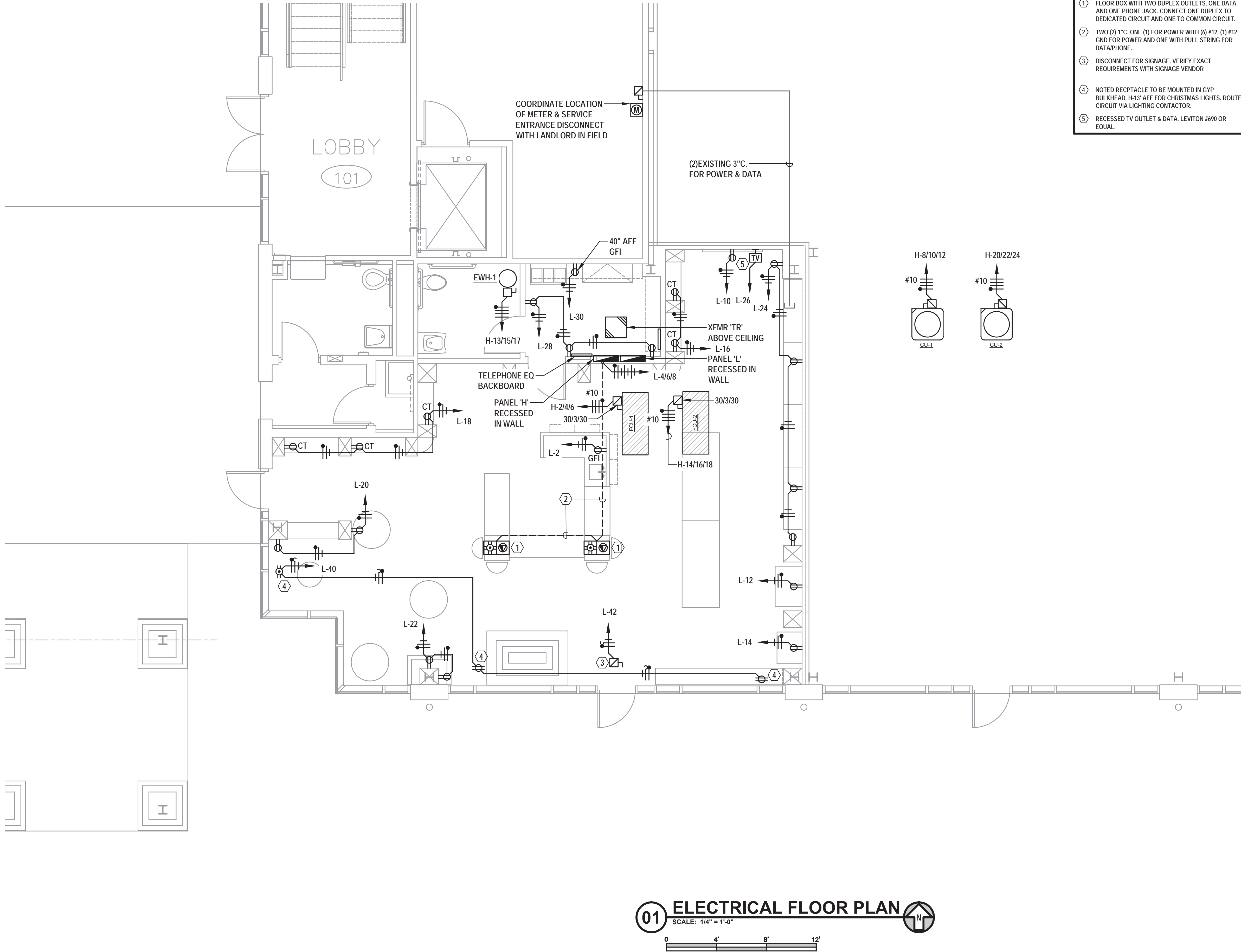
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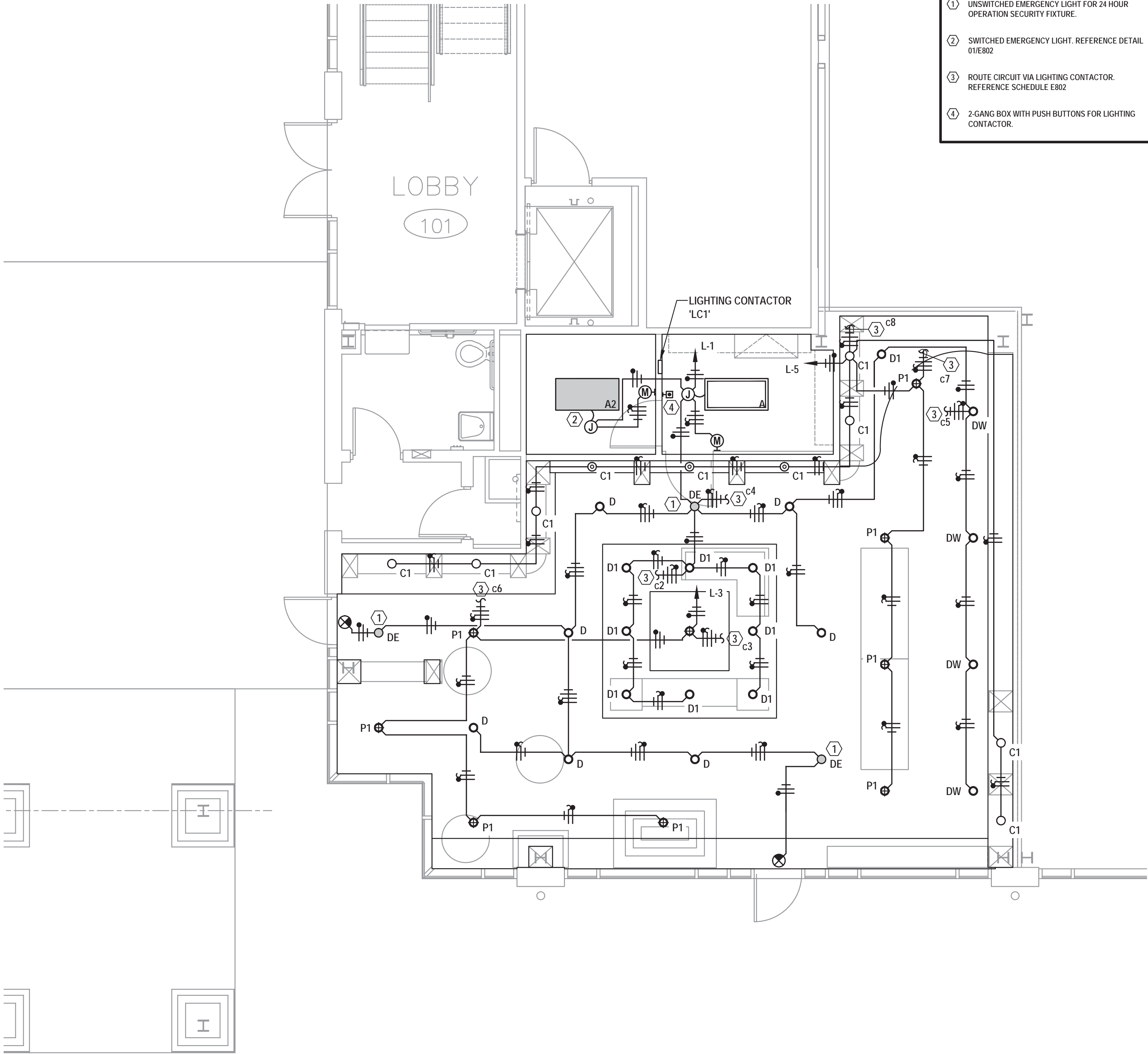
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ELECTRICAL
FLOOR PLAN

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E201



KEYED NOTES BY SYMBOL "O"

- ① UNSWITCHED EMERGENCY LIGHT FOR 24 HOUR OPERATION SECURITY FIXTURE.
- ② SWITCHED EMERGENCY LIGHT. REFERENCE DETAIL 01/E802
- ③ ROUTE CIRCUIT VIA LIGHTING CONTACTOR. REFERENCE SCHEDULE E802
- ④ 2-GANG BOX WITH PUSH BUTTONS FOR LIGHTING CONTACTOR.

LOBBY
101

LIGHTING CONTACTOR
'LC1'

01 LIGHTING FLOOR PLAN

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



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LIGHTING
FLOOR PLAN

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E301

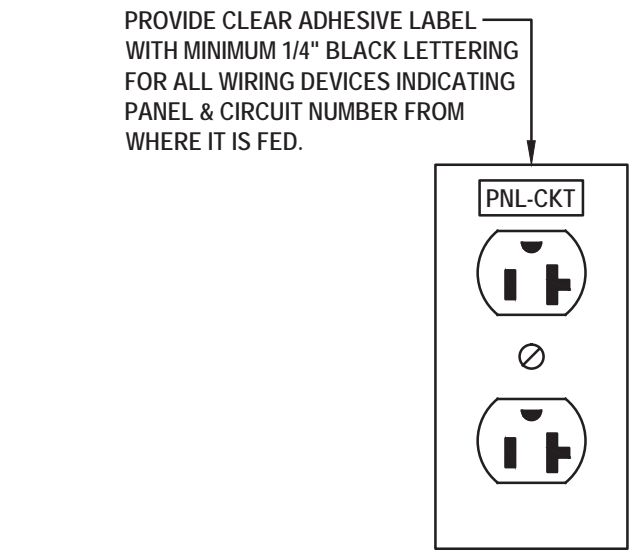
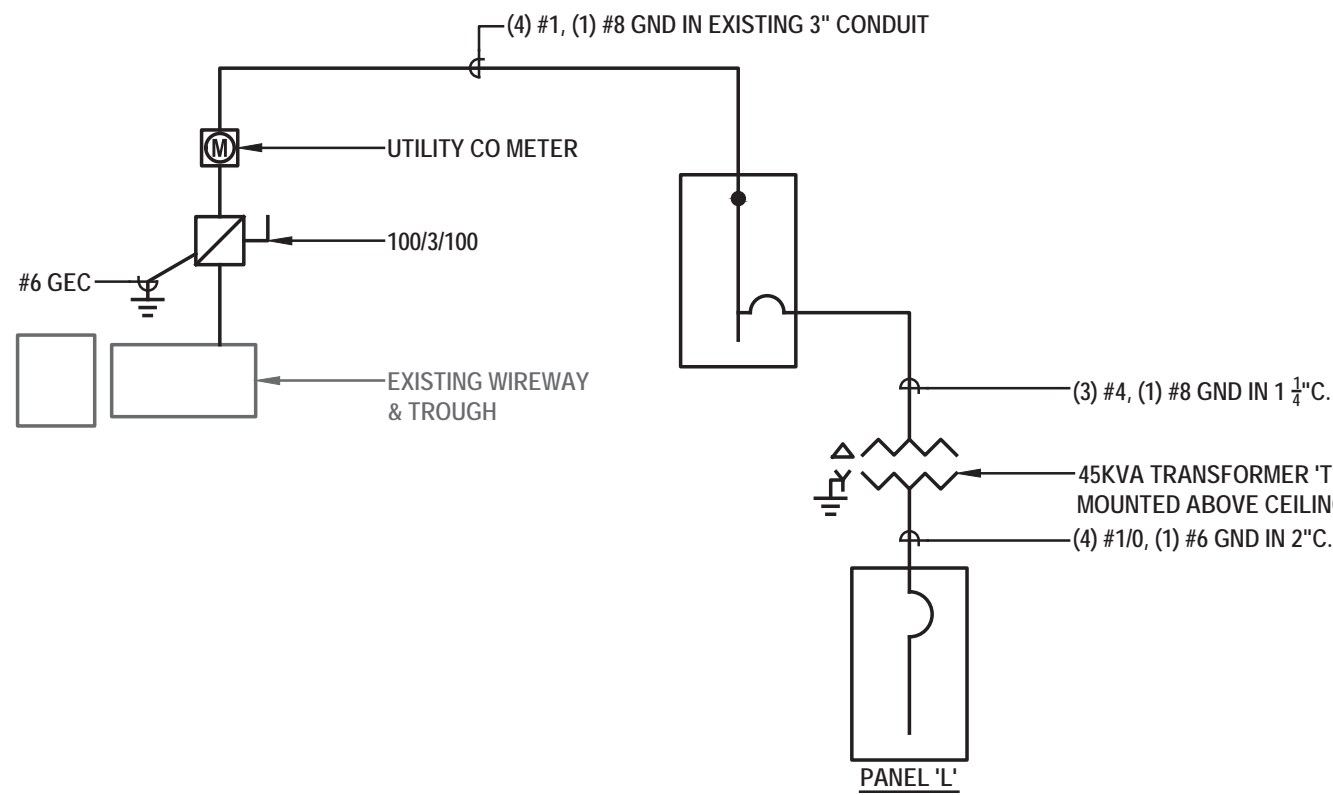
PANEL [H] SCHEDULE																				1314			
DESCRIPTION		P	AMP	LIGHT	RECEP	MOTOR	(VOLT-AMPS)			PHASE	(VOLT-AMPS)						AREA (SF)		P	AMP	DESCRIPTION		
							HEAT	KITCH	COMP	OTHER	CIRCUIT	OTHER	COMP	KITCH	HEAT	MOTOR	RECEP	LIGHT					
SPARE		1	20								1 A 2				5000	960			3	30	[FUC-1		
SPARE		1	20								3 B 4				5000	960					[
SPARE		1	20								5 C 6				5000						[
SPACE		-	-								7 A 8					2328			3	30	[CU-1		
SPACE		-	-								9 B 10					2328					[
SPACE		-	-								11 C 12					2328					[
[EWH		2	20							2000	13 A 14				5000	960			3	30	[FCU-2		
[-	-							2000	15 B 16				5000	960					[
[-	-							2000	17 C 18				5000						[
[PANEL "L"		3	70	1467	1667	0	0	0	0	833	19 A 20					2328			3	30	[CU-2		
[VIA XFMR 'TR'		-	-	1467	1667	0	0	0	0	833	21 B 22					2328					[
[-	-	1467	1667	0	0	0	0	833	23 C 24					2328					[
TOTALS				4401	5001	0	0	0	0	8499					0	30000	17808	0	0	TOTALS			
LOAD SUMMARY				CON KVA	CON AMP	C W/SF	DIV. FAC	DES KVA	DES AMP	D W/SF	NOTES:				JOB NM: JORDAN'S SWEET SHOPPE				SUMMARY				
1.LIGHTING				4.4	5.3	3.4	1.25	5.5	6.6	4.2	1.MINIMUM INTEGRATED EQUIPMENT RATING								VOLTAGE: 480				
2.RECEPTACLES				5.0	6.0	3.8	1.00	5.0	6.0	3.8	36 KAC								MCB/MLO: MLO				
3.MOTORS				17.8	21.4	13.6	0.25	4.5	5.4	3.4	2.PROVIDE FULL SIZE NEUTRAL AND GROUND								AMPS: 100				
4.ELECTRIC HEAT				30.0	36.1	22.8	1.00	30.0	36.1	22.8	BUS								# POLES: 24				
5.KITCHEN EQUIPMENT				0.0	0.0	0.0	1.00	0.0	0.0	0.0	3. STUB TWO (2) 1" C WITH PULLSTRING TO ACCESSABLE CEILING SPACE.								MOUNT: FLUSH				
6.COMPUTER EQUIPMENT				0.0	0.0	0.0	1.00	0.0	0.0	0.0									NOTE: CONTRACTOR TO				
7.OTHER				8.5	10.2		6.5	1.00	8.5	10.2									BALANCE PHASES				
8.SPARE				6.0				1.00	6.0	7.2									WITHIN +/- 10%				
9.SPACE				6.0				1.00	6.0	7.2													
TOTAL:				66	79	50		66	79	50									JOB #: 14007				
																			BY: -				
																			TIME: 11:32:53 PM				
																			DATE: 08/27/14				
																			SHEET NAME: H				
																			FORM NO. DFWPNL.XLS				

PANEL [L] SCHEDULE																				1314	
DESCRIPTION	P	AMP	LIGHT	RECEP	MOTOR	HEAT	KITCH	COMP	OTHER	CIRCUIT	OTHER	COMP	KITCH	HEAT	MOTOR	RECEP	LIGHT	P	AMP	DESCRIPTION	
LIGHTING	1	20	1022							1 A 2						360		1	20	CASH WRAP	
LIGHTING	1	20	1200							3 B 4						360		1	20	CASH WRAP	
LIGHTING	1	20	996							5 C 6	540							1	20	TRUFFEL CASE	
SPARE	1	20								7 A 8	495							1	20	ICE CREAM CAB	
SPARE	1	20								9 B 10	500							1	20	RECPTS	
SPARE	1	20								11 C 12	488							1	20	REACH IN REF	
SPARE	1	20								13 A 14	500							1	20	REACH IN FREZ	
SPARE	1	20								15 B 16						360		1	20	RECPTS	
SPACE	-	-								17 C 18						540		1	20	RECPTS	
SPACE	-	-								19 A 20						360		1	20	RECPTS	
SPACE	-	-								21 B 22						360		1	20	RECPTS	
SPACE	-	-								23 C 24						720		1	20	SPARE	
SPACE	-	-								25 A 26						500		1	20	TV	
SPACE	-	-								27 B 28						540		1	20	WORK AREA RECPS	
SPACE	-	-								29 C 30						180		1	20	WORK AREA RECP	
SPACE	-	-								31 A 32								1	20	SPARE	
SPACE	-	-								33 B 34								1	20	SPARE	
SPACE	-	-								35 C 36								1	20	SPARE	
SPACE	-	-								37 A 38								1	20	SPARE	
SPACE	-	-								39 B 40						720		1	20	BLKHEAD RECPS	
SPACE	-	-								41 C 42							1200	1	20	SIGN	
TOTALS			3218	0	0	0	0	0	0		2523	0	0	0	0	5000	1200			TOTALS	
LOAD SUMMARY			CON KVA	CON AMP	C W/SF	DIV. FAC	DES KVA	DES AMP	D W/SF	NOTES:						JOB NM: JORDAN'S SWEET SHOPPE		SUMMARY			
1.LIGHTING			4.4	12.2	3.4	1.25	5.5	15.3	4.2	1.MINIMUM INTEGRATED EQUIPMENT RATING								VOLTAGE: 208			
2.RECEPTACLES			5.0	13.9	3.8	1.00	5.0	13.9	3.8	10KAIC								MCB/MLO: MCB			
3.MOTORS			0.0	0.0	0.0	1.00	0.0	0.0	0.0	2.PROVIDE FULL SIZE NEUTRAL AND GROUND								AMPS: 150			
4.ELECTRIC HEAT			0.0	0.0	0.0	1.00	0.0	0.0	0.0	BUS								# POLES: 42			
5.KITCHEN EQUIPMENT			0.0	0.0	0.0	1.00	0.0	0.0	0.0	3.STUB TWO (2) 1" C WITH PULLSTRING TO								MOUNT: FLUSH			
6.COMPUTER EQUIPMENT			0.0	0.0	0.0	1.00	0.0	0.0	0.0	ACCESSABLE CEILING SPACE.								BY: -			
7.OTHER			2.5	6.9	1.9	1.00	2.5	6.9	1.9									TIME: 11:33:09 PM			
8.SPARE			18.0				0.90	16.2	12.3									DATE: 08/27/14			
9.SPACE			26.0				0.90	23.4	17.8									SHEET NAME: L			
TOTAL:			12	33	9		53	146	40									JOB #: 14007			
																		FORM NO. DFWPNL.XLS			

01

ELECTRICAL SINGLE LINE DIAGRAM

SCALE: NONE



02

DEVICE LABELING DIAGRAM

SCALE: NONE

Project:

JORDAN'S SWEET SHOPPE

TENANT FINISH OUT

THE WOODLANDS, TX

Consultant:

Seal:



Revisions:

Sheet Title:

ELECTRICAL

DETAILS, DIAGRAMS,

SCHEDULES

Drawn By: TL

Checked By: PL

Project No.: AQ314

Project Phase: CONSTRUCTION DOCUMENTS

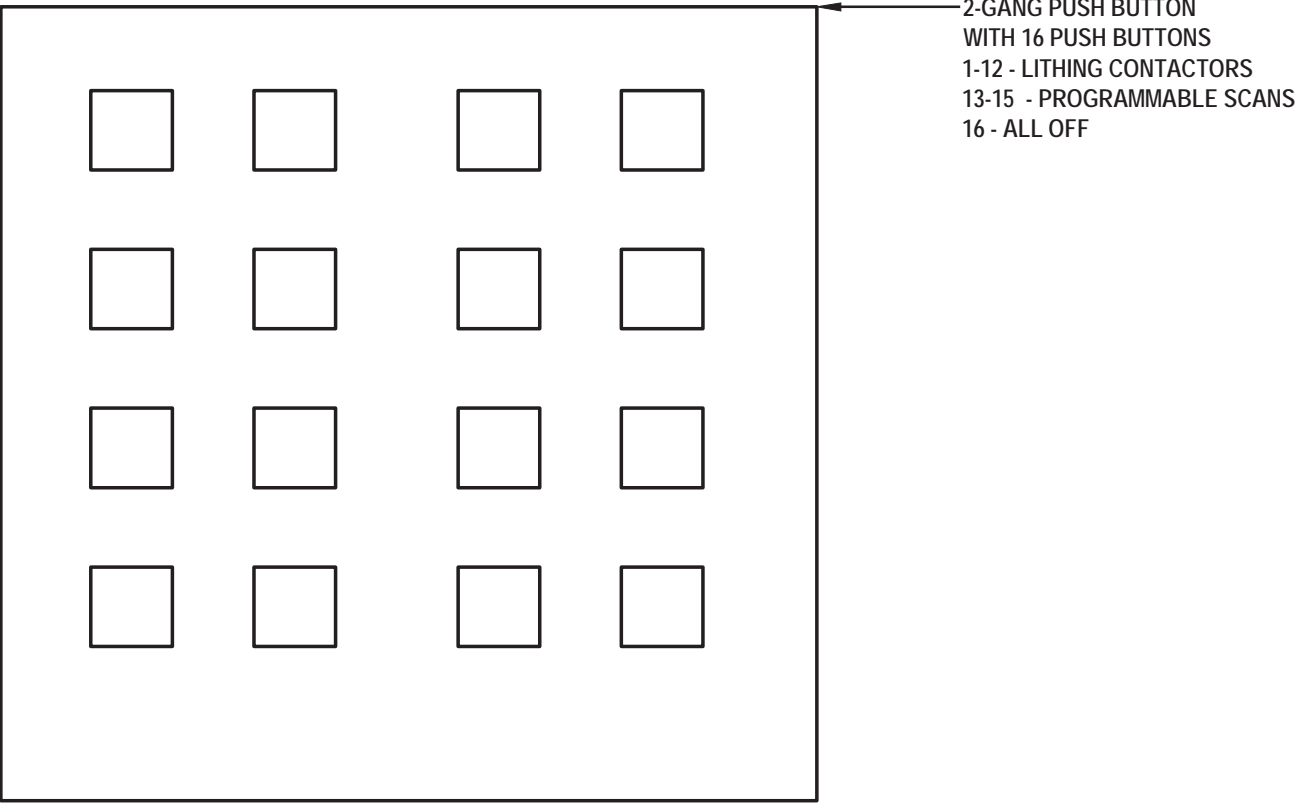
Date: 27 AUGUST 2014

Sheet No:

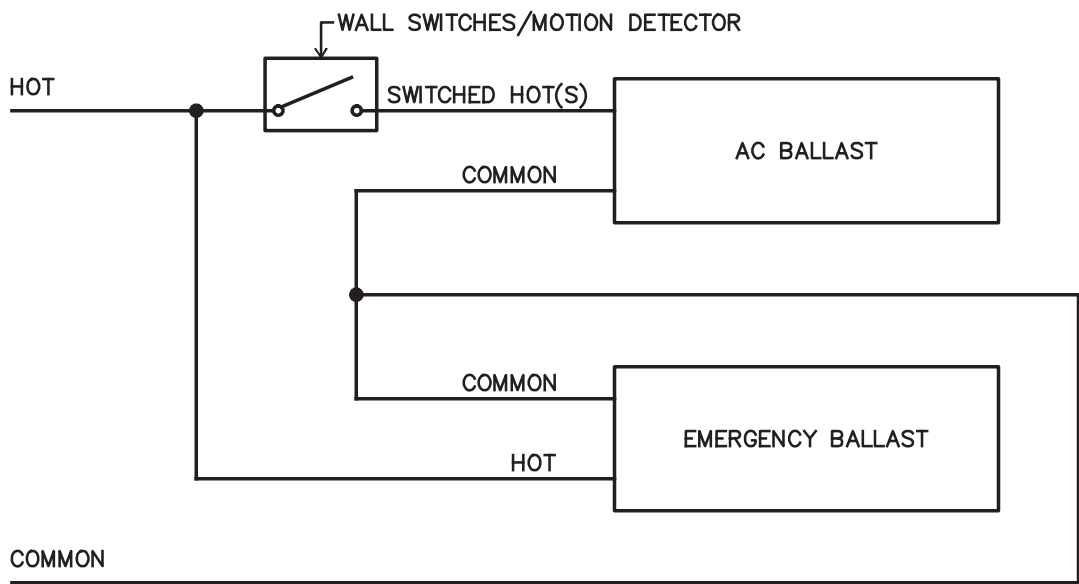
E801

LIGHT FIXTURE SCHEDULE						
TYPE	DESCRIPTION	MANUFACTURER	MODEL NO.	LAMPS	VOLTAGE	WATTAGE (MAX)
A	2' X 4' RECESSED LENSED TROFFER WITH ELECTRONIC BALLAST	LITHONIA	2SP8 G332 A1212 MVOLT 1/3	(3) 32W T8	120V	84W
AE	SAME AS "A" WITH EMERGENCY BATTERY PACK TO PROVIDE 90 MINUTES OF EGRESS ILLUMINATION	LITHONIA	2SP8 G332 A1212 MVOLT 1/3 EL	(3) 32W T8	120V	33W
C1	4" APERTURE LED DOWN LIGHT MOUNTED IN ARCH. REFERENCE ARCHITECTURAL ELEVATIONS AND DETAILS	PRESCOLITE	D4LED3-4D9LED4-35K-8-SP18-TR	LED	120V	12W
D	6" APERTURE COMPACT FLUORESCENT DOWN LIGHT WITH CLEAR SEMI-SPECULAR OPEN REFLECTOR	LITHONIA	6HF 1/26-42TRT F601AZ MVOLT	(1) 32W TRT	120V	36W
DE	SAME AS D WITH EMERGENCY BATTERY PACK TO PROVIDE 90 MINUTES OF EGRESS ILLUMINATION WITH INTEGRAL TEST SWITCH	LITHONIA	6HF 1/26-42TRT F601AZ MVOLT EL	(1) 32W TRT	120V	36W
DW	SAME AS D WITH WALL WASH OPTICS	LITHONIA	6HF 1/26-42TRT F6W4AZ MVOLT EL	(1) 32W TRT	120V	36W
P1	20" PENDANT (OWNER FURNISHED CONTRACTOR INSTALLED)	GICLEE GALLERY	17822	(3) 75W A19	120V	225W
P2	24" PENDANT (OWNER FURNISHED CONTRACTOR INSTALLED)	GICLEE GALLERY	17276	(4) 75W A20	120V	300W
EXIT	EDGE LIT EMERGENCY EXIT WITH BATTERY PACK. NUMBER OF FACES AND DIRECTIONAL ARROWS PER DRAWING	LITHONIA LIGHTING	EDGR-X-R-EL	WITH UNIT	120V	3.1W
NOTES: 1. SUBMIT ALTERNATES FOR APPROVAL TO ARCHITECT PRIOR TO ORDERING ANY MATERIAL.						

LIGHTING CONTROLLER SCHEDULE (LC1)												
ZONE	DESCRIPTION	VOLTAGE	CONTACTOR RATING	PHOTOCELL		TIME CLOCK				PUSHBUTTON		NOTES
				ON	OFF	ON	OFF	ON	OFF	ON	OFF	
C1	SIGNAGE	120V	30A/1P	YES	NO	MON-SAT 10:00AM 6:00PM		SUN 12:00PM 6:00PM		YES	YES	2
C2	CASH WRAP DOWN LIGHTS	120V	30A/1P	NO	NO	MON-SAT 10:00AM 6:00PM		SUN 12:00PM 6:00PM		YES	YES	2
C2	CASH WRAP PENDANTS	120V	30A/1P	NO	NO	MON-SAT 10:00AM 6:00PM		SUN 12:00PM 6:00PM		YES	YES	2
C4	SALES AREA DOWN LIGHTS	120V	30A/1P	NO	NO	MON-SAT 10:00AM 6:00PM		SUN 12:00PM 6:00PM		YES	YES	2
C5	SALES AREA WALL WASH	120V	30A/1P	NO	NO	MON-SAT 10:00AM 6:00PM		SUN 12:00PM 6:00PM		YES	YES	2
C6	SALES AREA PENDANTS WEST	120V	30A/1P	NO	NO	MON-SAT 10:00AM 6:00PM		SUN 12:00PM 6:00PM		YES	YES	2
C7	SALES AREA PENDANTS EAST	120V	30A/1P	NO	NO	MON-SAT 10:00AM 6:00PM		SUN 12:00PM 6:00PM		YES	YES	2
C8	ARCHWAY DOWN LIGHTS/CANDY DISPLAY DOWN LIGHTS	120V	30A/1P	NO	NO	MON-SAT 10:00AM 6:00PM		SUN 12:00PM 6:00PM		YES	YES	2
C9	RECEPTACLES FOR CHRISTMAS LIGHTS	120V	30A/1P	YES	NO	MON-SAT 10:00AM 6:00PM		SUN 12:00PM 6:00PM		YES	YES	2
C9	SPARE	120V	30A/1P									
C10	SPACE											
C12	SPARE	277V	30A/1P									
NOTES:												
1 SUBMIT ALTERNATES FOR APPROVAL TO ARCHITECT PRIOR TO ORDERING ANY MATERIAL.												
2 LIGHTING CONTROLLER TO HAVE ABILITY TO MANUALLY TURN CONTACT ON AND OFF AT CONTROLLER.												



02 LIGHTING CONTACTOR CONTROL DETAIL
SCALE: NONE



01 SWITCHED EMERGENCY BALLAST DETAIL
SCALE: NONE



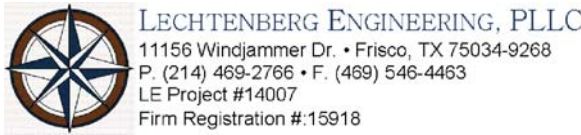
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JORDAN'S
SWEET SHOPPE
TENANT FINISH OUT
THE WOODLANDS, TX

Consultant:



Seal:



Revisions:

Sheet Title:

ELECTRICAL
DETAILS, DIAGRAMS,
SCHEDULES

Drawn By: TL

Checked By: PL

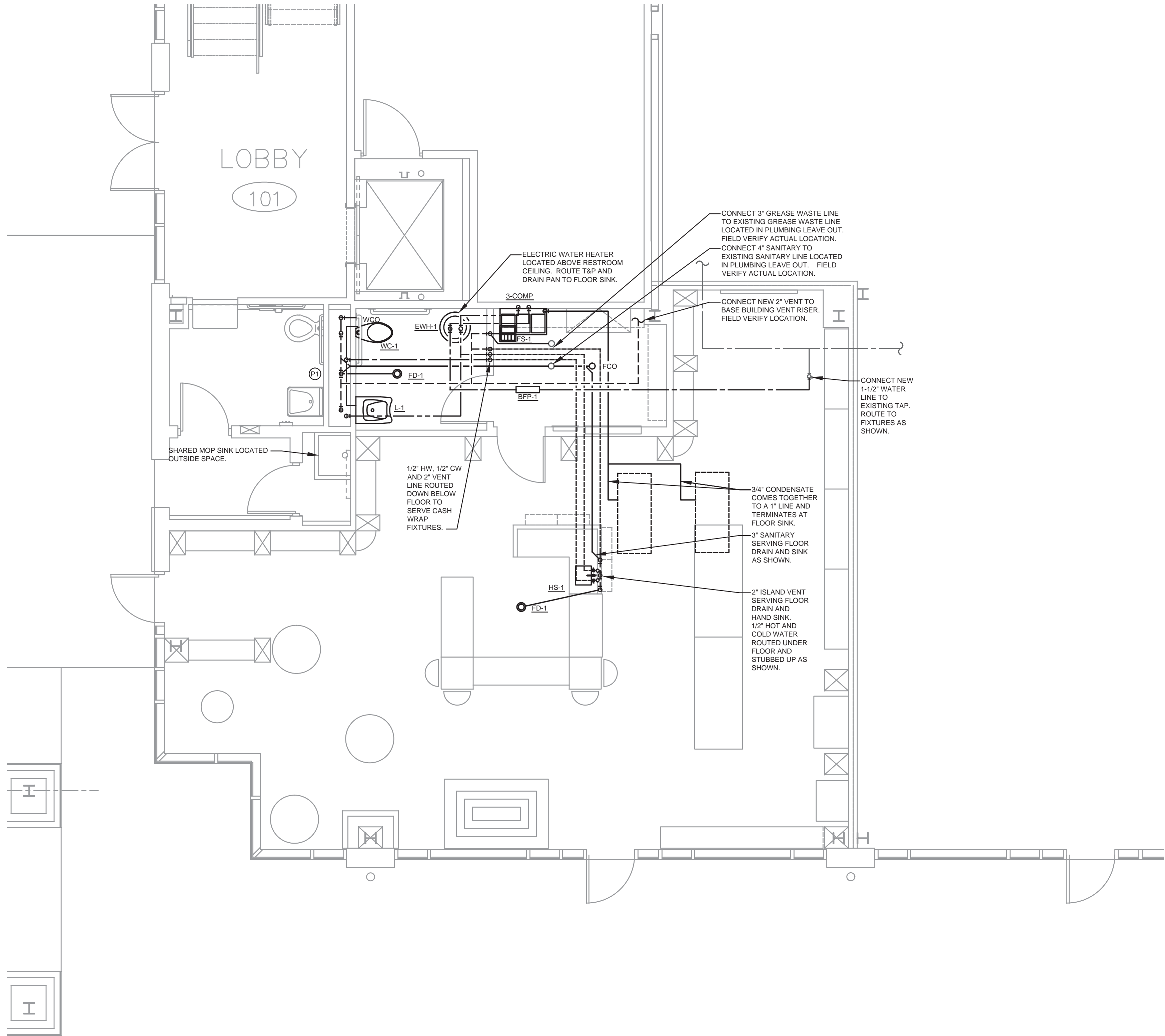
Project No.: A0314

Project Phase: CONSTRUCTION DOCUMENTS

Date: 27 AUGUST 2014

Sheet No:

E802



01 PLUMBING FLOOR PLAN
SCALE: 1/4" = 1'-0"

0 4' 8' 12'

Project:

**JORDAN'S
SWEET SHOPPE
TENANT FINISH OUT
THE WOODLANDS, TX**

Consultant:

LECHTENBERG ENGINEERING, PLLC
11156 Windjammer Dr. • Frisco, TX 75034-9268
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LE Project #14007
Firm Registration #15918

Seal:



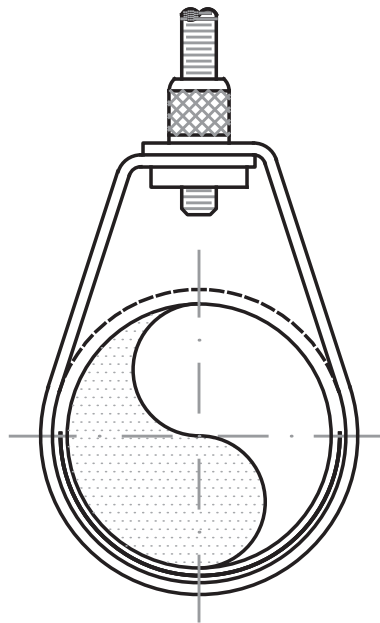
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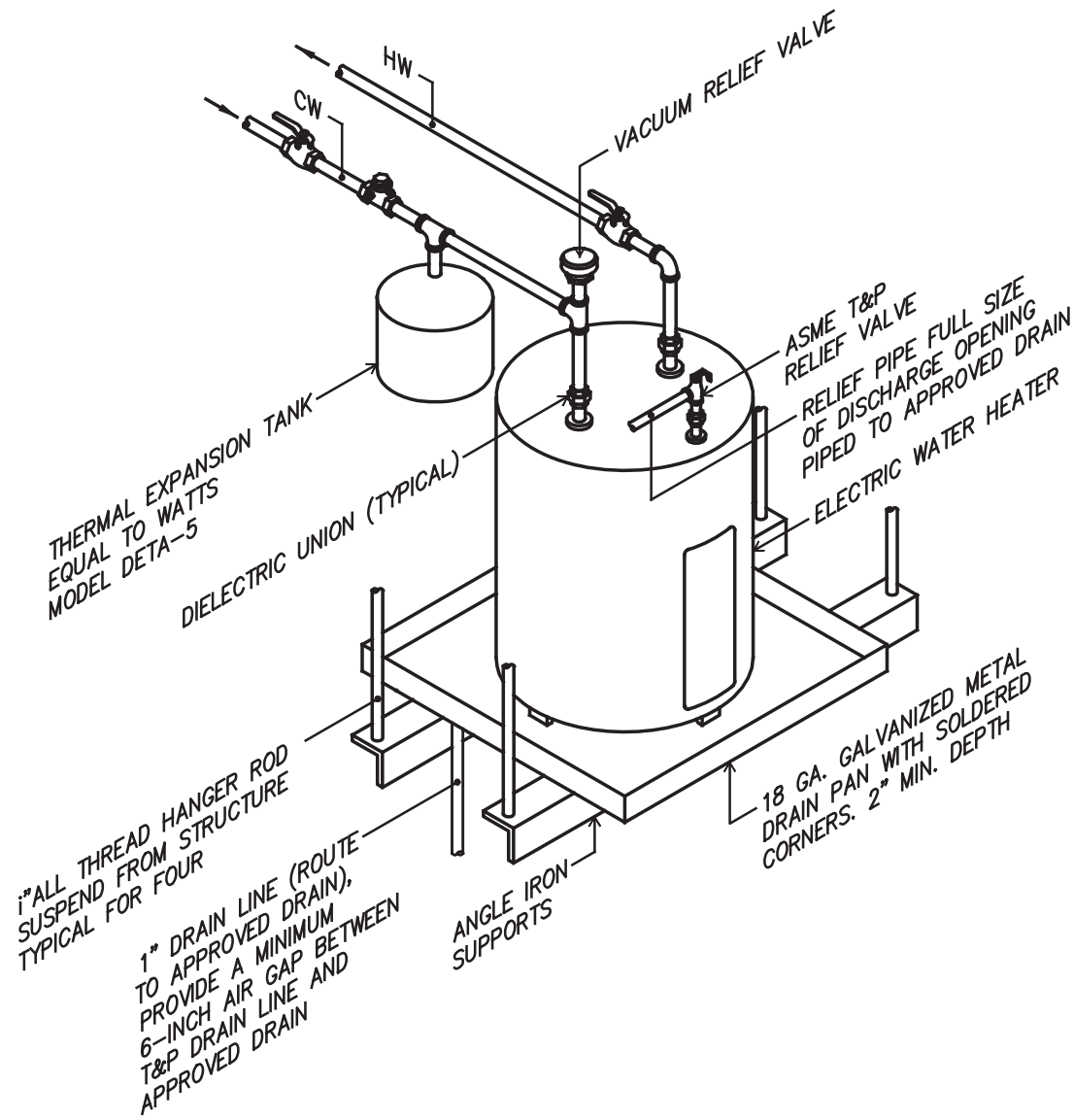
**PLUMBING
FLOOR PLAN**

Drawn By: **TL**
Checked By: **PL**
Project No.: **AQ314**
Project Phase: **CONSTRUCTION DOCUMENTS**
Date: **27 AUGUST 2014**
Sheet No.:

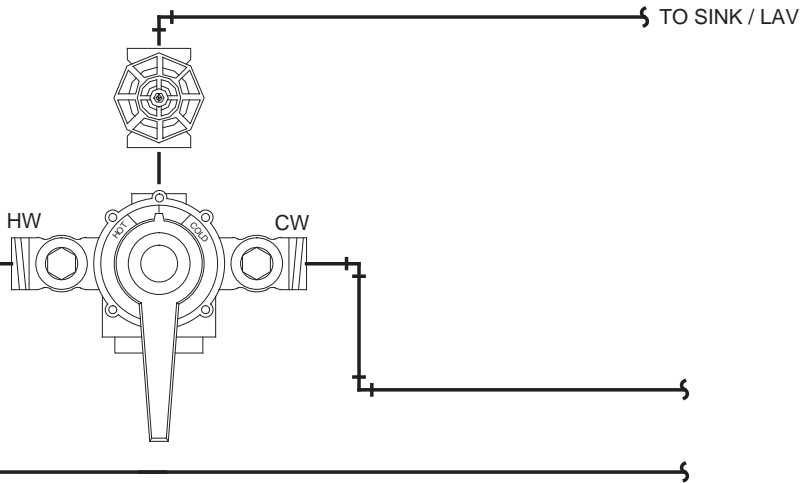
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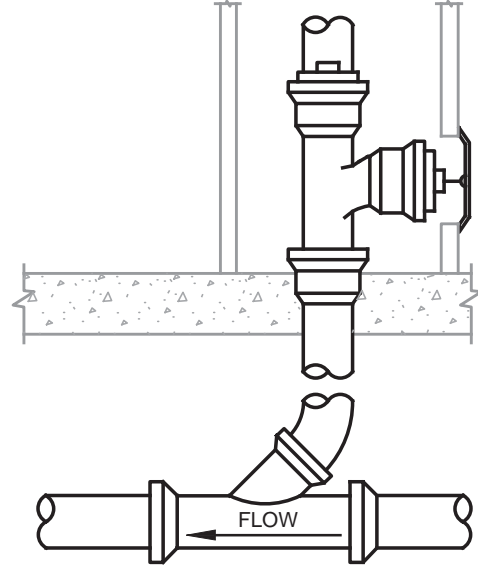
04 PIPE HANGER DETAIL
SCALE: NONE



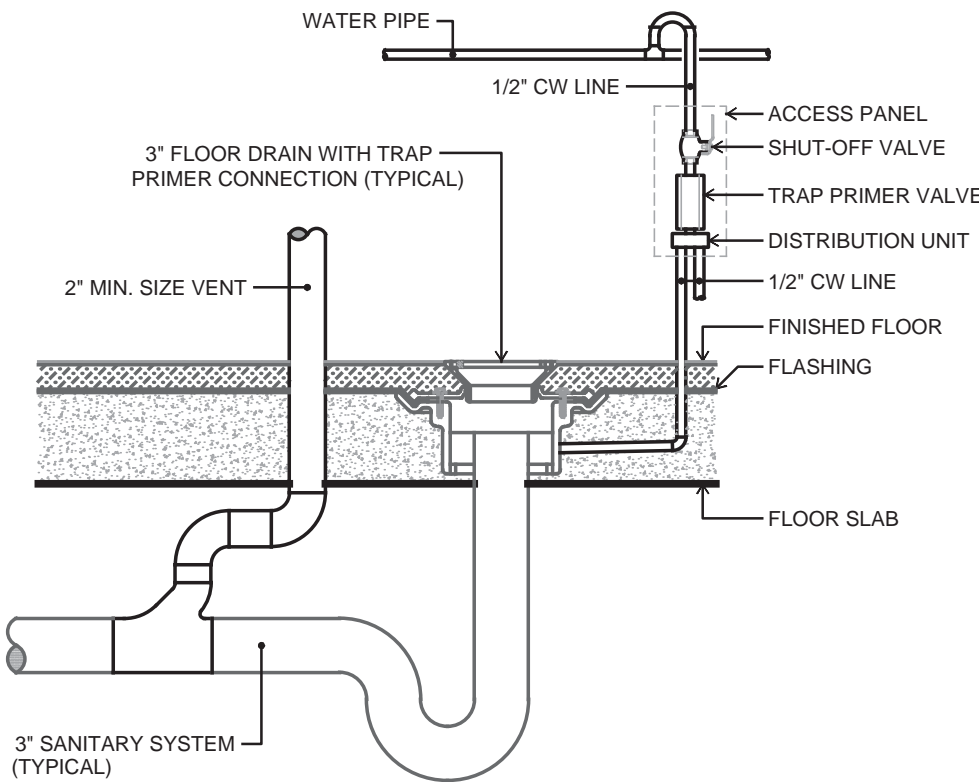
05 ELECTRIC WATER HEATER DETAIL
SCALE: NONE



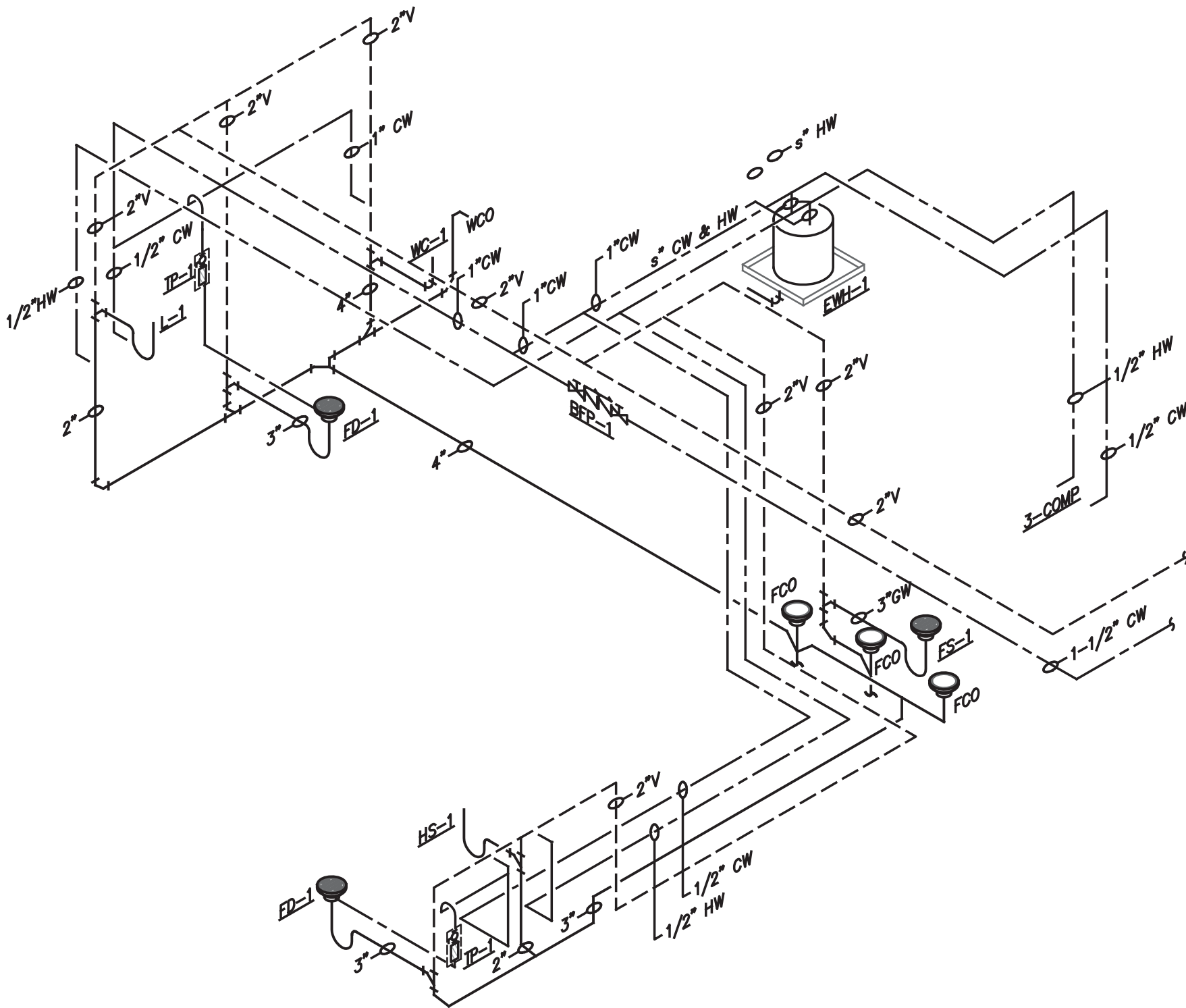
03 POINT OF USE THERMOSTATIC MIXING VALVE
SCALE: NONE



01 WALL CLEAN OUT DETAIL
SCALE: NONE



02 FLOOR DRAIN DETAIL
SCALE: NONE



P1 PLUMBING RISER
SCALE: NONE

PLUMBING FIXTURE CONNECTION SCHEDULE

DESIGNATION	FIXTURE	C.W.	H.W.	SAN.	VENT
FD/FS	FLOOR DRAIN	1/2"	-	3"	2"
L	LAVATORY	1/2"	1/2"	2"	2"
HS	SINK	1/2"	1/2"	2"	2"
WC	WATER CLOSET	1"	-	4"	2"

NOTE: ABOVE SIZES ARE MINIMUM UNLESS OTHERWISE NOTED ON DWG.

GENERAL NOTES:

- PITCH ALL DRAINAGE PIPING AT 1/4" FOOT MINIMUM UNLESS OTHERWISE NOTED.
- ALL UNDERGROUND DRAINAGE PIPING SHALL BE MINIMUM OF 2" IN SIZE & 1/4" PER FT. SLOPE.
- PROVIDE TRAP PRIMER UNITS FOR ALL FLOOR DRAINS WITHOUT INDIRECT WASTE PIPING.

PLUMBING FIXTURES

MARK: FD-1

MAKE: JAY R. SMITH

MODEL: 2005A-P050-U

DESCRIPTION: CAST IRON FLOOR DRAIN WITH BOTTOM OUTLET, REVERSIBLE FLASHING COLLAR, SEEPAGE OPENINGS AND ADJUSTABLE NICKEL BRONZE STRAINER HEAD. PROVIDE VANDAL PROOF SCREWS AND 1/2" TRAP PRIMER CONNECTION.

MARK: FS-1

MAKE: ZURN

MODEL: FD2375-NH3

DESCRIPTION: 12"x12" A.R.C. FLOOR SINK, 6 INCH SUMP DEPTH, WITH 3/4 INCH GRATE AND 3 INCH PIPE CONNECTION, CAST IRON BODY, ACID-RESISTANT. COATING AND PVC ANTI-SPLASH DOME STRAINER.

MARK: L-1

MAKE: AMERICAN STANDARD

MODEL: 9141.011

DESCRIPTION: WALL-HUNG LAVATORY (4" CENTERS) COMPLETE WITH P" TRAP, SUPPLIES, STOPS, HANDI LAV-GUARD INSULATION KIT, AMERICAN STANDARD MODEL 7400.172H CENTERSET LAVATORY FAUCET, AND GRID STRAINER DRAIN. MOUNTING TO COMPLY WITH T.A.S. GUIDELINES AND ANSI A117.1 REQUIREMENTS.

MARK: HS-1

MAKE: SPRINGDALE

MODEL: UCL1515B

DESCRIPTION: 19 GAUGE, STAINLESS STEEL, 7" DEEP SINGLE COMPARTMENT UNDERMOUNT SINK COMPLETE WITH GRID STRAINER, P-TRAP, SUPPLIES, AND STOPS. PROVIDE FAUCET EQUAL TO AMERICAN STANDARD MODEL SEVA 1480.101 COMPLETE WITH BRASS VALVE BODIES, AND 1.5 GPM AERATOR.

MARK: TMV-1

MAKE: WATTS

MODEL: MMV-M1

DESCRIPTION: THERMOSTATIC MIXING VALVE, BRONZE BODY, LOCKED TEMPERATURE ADJUSTMENT CAP, INTEGRAL CHECK VALVES, 3/4" INLET AND OUTLET CONNECTIONS, MIN. FLOW: 0.5 GPM, MAX. FLOW: 12 GPM. SET OUTLET TEMPERATURE TO 110 F.

MARK: TP-1

MAKE: PPP

MODEL: P2

DESCRIPTION: TRAP PRIMER VALVE. PROVIDE TRAP PRIMER AIR GAP EQUAL TO PRECISION PLUMBING PRODUCTS MODEL AG-500.

MARK: WC-1

MAKE: AMERICAN STANDARD

MODEL: 2257.103

DESCRIPTION: "AFWALL" VITREOUS CHINA WALL MOUNTED, TRIP ELONGATED BOWL COMPLETE WITH OPEN FRONT SEAT (LESS COVER), CARRIER FITTINGS, AND SLOAN ROYAL MODEL 111 FLUSH VALVE (1.28 GPF) FLUSH HANDLE ON WIDE SIDE OF STALL. MOUNTING TO COMPLY WITH T.A.S. GUIDELINES AND ANSI A117.1 REQUIREMENTS.

MARK: BFP-1

MAKE: WATTS

MODEL: 007

DESCRIPTION: 1-1/2" DOUBLE CHECK VALVE ASSEMBLY WITH BRONZE BODY. MAXIMUM WORKING PRESSURE OF 175 PSI. COORDINATE WITH LOCAL INSPECTOR FOR SPECIFIC INSTALLATION REQUIREMENTS.

MARK: 3-COMP

MAKE: KLINGERS TRADING

MODEL: CON-3

DESCRIPTION: SMALL 3-COMPARTMENT SINK, 18 GAUGE, TYPE 304 STAINLESS STEEL. COMPLETE WITH LEG SUPPORTS.

WATER HEATER SCHEDULE

MARK: EWH-1

MAKE: AO SMITH

MODEL: DEL 30

DESCRIPTION: 2 ELEMENT (SIMULTANEOUS), 3.0 KW (6.0 TOTAL KW), 30 GALLON CAPACITY, 24 GPH RECOVERY WITH 100°F TEMPERATURE RISE. 480 V / 3Ø. PROVIDE WITH DRAIN PAN, ASME T&P RELIEF VALVE AND EXPANSION TANK EQUAL TO WATTS DETA-5. STORE WATER AT 120°F (ADJUSTABLE).



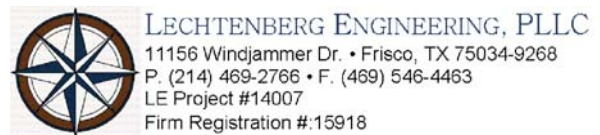
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JORDAN'S
SWEET SHOPPE
TENANT FINISH OUT
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Firm Registration #15918

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Revisions:

Sheet Title:

DETAILS,
& SCHEDULES -
PLUMBING

Drawn By: TL

Checked By: PL

Project No.: AQ314

Project Phase: CONSTRUCTION DOCUMENTS

Date: 27 AUGUST 2014

Sheet No:

P901