CANYONS SCHOOL DISTRICT OAKDALE ELEMENTARY FREEZER COOLER 1900 CREEK ROAD **PROJECT CONTACTS MECHANICAL OWNER ARCHITECTURAL** OLSEN & PETERSON ENGINEERING CANYONS SCHOOL DISTRICT KMA ARCHITECTS, INC. 14 EAST 2700 SOUTH 9361 SOUTH 300 EAST 170 NORTH MAIN STREET SPANISH FORK, UTAH 84660 SALT LAKE CITY, UTAH 84115 SANDY, UTAH 84070 (801) 486-4646 (801) 532-2196 (801) 826-5000 (801) 377-5062 **GRAPHIC SYMBOLS INDEX OF DRAWINGS** ARCHITECTURAL MAIN FLOOR PLAN A1.1 - \mathbf{X} ENGINEERED FILL PLYWOOD WALLTYPE MECHANICAL $\langle XX \rangle$ HARDWOOD DOOR NUME EARTH MECHANICAL SPECIFICATIONS M0.1 -MECHANICAL PLAN M1.1 -CONCRETE **RIGID INSULATION** X WINDOW T ELECTRICAL ELECTRICAL LEGENDS AND NOTES (9'-0") ASPHALT BATT INSULATION E0.1 -CEILING HE ELECTRICAL SCHEDULES E0.2 -ELECTRICAL DEMOLITION PLAN ED1.1 -LIGHTING AND ELECTRICAL PLANS E2.1 -BRICK VENEER XX SHEET NOT BLOCKING BUILDING GYPSUM BOARD STONE VENEER ELEVATION (-),) - , -) -) , - , e XXX WOOD STUDS PROPERTY LINE ROOM NUM

		PROJECT DATA
G	X DETAIL TAG	INTERNATIONAL BUILDING CODE - 2021 TYPE OF CONSTRUCTION - II-B BUILDING OCCUPANCY - E
	ELEVATION MARK	
	SECTION MARK	
	F. V. FIELD VERIFY (DIMENSIONS MAY DIFFER - CONTRACTOR TO	
<	FIELD VERIFY AND COORDINATE WITH ARCHITECT)	
		VICINITY MAP
		PROJECT SITE

COTTONWOOD HEIGHTS, UTAH

ELECTRICAL BNA CONSULTING 4225 LAKE PARK BLVD. SUITE 275 WEST VALLEY, UTAH 84120





SHEET NOTES

1 - EXISTING CONSTRUCTION TO REMAIN. CONTRACTOR TO PATCH AND REPAIR AS REQUIRED DUE TO DEMOLITION AND NEW

- 3 STORAGE SHELVES PROVIDED BY OWNER.
- 4 EXISTING MECHANICAL GRILL TO REMAIN.
- 5 STUD FRAMING IN EXISTING MECHANICAL VENT. SEE DETAIL 2/A1.1
- 6 EXISTING ROOF DRAIN TO REMAIN.
- 7 EXISTING MECHANICAL UNITS TO REMAIN.
- 8 EXISTING WALKABLE ROOF MEMBRANE TO REMAIN.
- 9 EXISTING METAL WALL CAP TO REMAIN. 10 - EXISTING ROOF MEMBRANE TO REMAIN.
- 12 MECHANICAL CURB FOR CONDENSING UNITS. SEE DETAIL 1/A1.1
- 13 PATCH AND REPAIR ROOFING MEMBRANE WITH LIKE MAERIAL AND PRODUCT - PER DISTRICT ROOFING STANDARD.

5/8 GYP. (PAINTED) 3 5/8" STUD FRAMING WATERPROOFING

EXISTING MECHANICAL -GRILL TO REMAIN

> EXISTING WALL TO REMAIN





SECTION 23 0100 GENERAL PROVISIONS BASIC BID: SHALL INCLUDE ALL LABOR AND MATERIALS SPECIFIED IN THIS DIVISION.

4. EXHAUST CONTROLS (FOR EXISTING EXHAUST FAN).

WORK.

MANUFACTURER.

PROVIDED ON ALL NEW PIPE WORK.

VERIFICATION OF DIMENSIONS:

FAULTY EQUIPMENT SHALL BE REPLACED DURING THIS PERIOD AT NO COST TO THE OWNER.

MECHANICAL SPECIFICATIONS

• <u>GENERAL CONDITIONS:</u> THE GENERAL CONDITIONS OF THE CONTRACT ARE A PART OF THIS SUB-CONTRACT.

<u>SCOPE OF WORK:</u> THE WORK TO BE DONE UNDER THIS SECTION INCLUDES: 1. DEMOLITION (OF EXISTING EXHAUST FAN AND RELIEF AIR LOUVER). 2. PLUMBING (CONDENSATE PIPING AND HEAT TRACE). 3. EQUIPMENT BASE (FOR FREEZER & COOLER CONDENSING UNITS).

<u>ORDINANCES:</u> THE WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LOCAL AND STATE PLUMBING CODES.

FEES & PERMITS: THIS CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND PAY ALL FEES REQUIRED IN CONNECTION WITH THE

MATERIALS, EQUIPMENT AND ACCESSORIES: UNLESS OTHERWISE SPECIFIED, ALL EQUIPMENT, ACCESSORIES, AND MATERIALS SHALL BE NEW AND UNDAMAGED. WHERE TWO OR MORE UNITS OF THE SAME CLASS ARE REQUIRED, THEY SHALL BE PRODUCTS OF A SINGLE

REMOVAL OF DEBRIS, ETC.: UPON COMPLETION OF THIS DIVISION OF THE WORK, REMOVE ALL SURPLUS MATERIALS AND RUBBISH.

<u>CUTTING AND PATCHING:</u> ANY CUTTING, PATCHING, OR FILLING NECESSARY FOR THE PROPER EXECUTION OF THIS WORK SHALL BE DONE BY THIS CONTRACTOR. NO ROUGH OR UNSIGHTLY WORK WILL BE ALLOWED, AND CUTTING OF STRUCTURAL MEMBERS SHALL BE DONE ONLY ON APPROVAL OF THE ARCHITECT.

<u>FLOOR AND WALL PLATES:</u> WHERE PIPES PASS THRU WALLS OR PARTITIONS IN THE FINISHED PART OF THE BUILDING, CHROMIUM PLATES SHALL BE

<u>PENETRATIONS THRU FIRE RESISTANCE RATED WALLS AND FLOORS:</u> WHERE PIPING PENETRATES THRU FIRE RESISTANCE RATED WALLS, AN APPROVED AND LISTED THROUGH-PENETRATION FIRE-STOP SYSTEM SHALL BE INSTALLED.

<u>PIPES AND FITTINGS:</u> ALL PIPE AND FITTINGS SHALL BE OF THE INSIDE DIAMETER DESIGNATED, SMOOTH INSIDE, WITH OUTER AND INNER SURFACES CONCENTRIC, SOUND AND FREE FROM ALL DEFECT.

<u>SITE INSPECTION AND EXAMINATION OF DRAWINGS:</u> THE CONTRACTOR SHALL CAREFULLY EXAMINE THE BUILDING SITE AND STUDY ALL DRAWINGS AND SPECIFICATIONS PERTAINING TO THE WORK BEFORE SUBMITTING A BID.

BEFORE PROCEEDING WITH ANY WORK, THE CONTRACTOR SHALL CAREFULLY CHECK AND VERIFY ALL DIMENSIONS AND SHALL ASSUME FULL RESPONSIBILITY FOR THE FITTING IN OF HIS DUCTS, PIPES, AND EQUIPMENT.

RECORD DRAWINGS: THE CONTRACTOR SHALL PROVIDE AND KEEP UP TO DATE A COMPLETE SET OF RECORD DRAWINGS.

<u>COOPERATION WITH OTHERS:</u> THE CONTRACTOR SHALL SO ORGANIZE THE WORK THAT HIS PROGRESS WILL HARMONIZE WITH THE WORK OF ALL TRADES, SO THAT ALL WORK MAY PROCEED AS EXPEDITIOUSLY AS POSSIBLE.

GUARANTEE: THE MECHANICAL AND PLUMBING SYSTEMS SHALL BE PLACED UNDER A ONE YEAR GUARANTEE AFTER DATE OF FINAL ACCEPTANCE BY THE ARCHITECT. ANY CALIBRATION, PARTS, OR LABOR NECESSARY DUE TO FAULTY INSTALLATION OR

SECTION 23 0500 BASIC MATERIALS & METHODS

• <u>GENERAL:</u> ALL MATERIALS SHALL BE NEW AND UNDAMAGED. INSERTS AND SLEEVES SHALL BE FURNISHED AND SET BY THIS CONTRACTOR SO THEY APPLY TO THE MECHANICAL WORK.

ALL PIPING SHALL BE SLOPED DOWN IN THE DIRECTION OF FLOW TO FACILITATE DRAINAGE.

THE ROOF BASE MOUNTED EQUIPMENT SHALL BE MOUNTED ON A BASE PROVIDED AND INSTALLED BY THIS CONTRACTOR AS DETAILED.

PRODUCTS:

<u>PIPING MATERIALS:</u> ALL PIPING SHALL BE IN ACCORDANCE WITH THE AMERICAN SOCIETY FOR TESTING AND MATERIALS. NO FOREIGN MADE PIPING WILL BE ACCEPTED IN THIS CONSTRUCTION.

ALL CONDENSATE DRAIN PIPING SHALL BE TYPE 'M' COPPER WITH SOLDERED FITTINGS.

REFRIGERATION PIPING SHALL BE PROVIDED AND INSTALLED BY THE KITCHEN CONTRACTOR.

<u>PIPE LOCATION AND ARRANGEMENT:</u> ALL CONDENSATE PIPING SHALL BE RUN OVERHEAD WHERE POSSIBLE.

ALL PIPING SHALL RUN IN STRAIGHT LINES WITH THE BUILDING AND RUN CLEAR TO FACILITATE MAINTENANCE WORK.

<u>UNIONS:</u> UNIONS SHALL BE INSTALLED WHERE PIPING IS CONNECTED TO THE CONDENSING UNITS.

HEAT TRACE: HEAT TRACE SHALL BE SELF REGULATING LOW TEMPERATURE TYPE WITH A HEAT OUTPUT OF 5 WATTS/FT. (17 BTUH/FT), AND A WEATHER PROOF PVC SHEATH. THE HEATING CABLE SHALL AUTOMATICALLY ADJUST HEAT OUTPUT TO CORRESPOND WITH THE HEAT LOSS RATE. CABLE SHALL BE UL AND FM APPROVED FOR USE IN WALK-IN COOLERS AND FREEZERS.

CABLE SYSTEM SHALL BE FURNISHED WITH POWER TERMINATION, END SEAL KITS, SPLICE AND TEE FITTINGS, AND ALL ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION.

APPROVED MANUFACTURERS: THERMON, CHROMALOX, OR PRIOR APPROVED EQUAL.

EXECUTION:

PIPE CLEANING: ALL PIPING SYSTEMS AND COMPONENTS TO BE CLEANED AND FLUSHED PRIOR TO OPERATING THE SYSTEM.

SECTION 23 0700 INSULATION

• <u>GENERAL:</u> ALL CONDENSATE DRAIN PIPING INSIDE WALK-IN FREEZER AND COOLER SHALL BE INSULATED.

ALL INSULATION SHALL CONFORM TO THE REQUIREMENTS OF THE BUILDING CODE AND HAVE A FLAME SPREAD RATING OF LESS THAN 25 AND SMOKE DEVELOPED LESS THAN 50.

REFRIGERANT LINES SHALL BE INSULATED BY THE KITCHEN CONTRACTOR.

 PRODUCTS:
 ALL CONDENSATE PIPING SHALL BE INSULATED WITH 0.75" THICK CLOSED CELL FOAM INSULATION (EQUAL TO ARMAFLEX).

SECTION 23 9000 AUTOMATIC TEMPERATURE CONTROL

• <u>GENERAL:</u>

<u>SCOPE:</u> THE CONTRACTOR, UNDER THIS HEADING, SHALL RE-CONFIGURE THE CONTROLS FOR THE EXISTING EXHAUST FAN REMAINING IN THE DRY STORAGE SPACE TO RUN WITHOUT THE SECOND EXHAUST FAN (TO BE REMOVED).

• SEQUENCE OF CONTROL:

<u>ROOM EXHAUST:</u> THE EXISTING WALL MOUNTED EXHAUST FAN SHALL OPERATE THRU AN EXISTING TEMPERATURE SENSOR (BULB). UPON A CALL FOR COOLING, THE EXHAUST FAN SHALL TURN ON, OTHERWISE THE FAN SHALL REMAIN OFF.

170 NORTH MAIN STREET SPANISH FORK, UTAH 84660 WWW.KMAARCHITECTS.CON REVISIONS: COTTONWOOD HEIGHTS, UTAH \mathbf{C} Ш N Ш ЦЦ LL Ζ \overline{C} \mathbf{X} CHO Ļ A ဟ \geq S \succ AN AL Ō **X** \square O A RO CREEK 1900 DRAWN BY: HBM CHECKED BY: JAB DATE: FEB 27, 2024 PROJECT #: 168420 M0.1



CONDENSING UNIT ROOFTOP EQUIPMENT BASE DETAIL NOT TO SCALE



—— STRUCTURAL SUPPORTS

 PIECE 22 GAUGE GALV. SHEET
 METAL PANS OVER TOP OF BASE.
 ALL JOINTS AND SEAMS SHALL BE SOLDERED

/---- 3/4" TREATED PLYWOOD ON TOP

3/4" GALVANIZED STEEL CARRIAGE BOLT IN RECESS WITH 2" WASHER

WASHER



(#)	REFERENCE NOTES
1	CONNECT CONDENSATE DRAIN LINE TO E BY MECHANICAL CONTRACTOR.
2	RUN CONDENSATE DRAIN LINE EXPOSED HIGH AS POSSIBLE INSIDE COOLER/FREE PIPING IN COOLER AND FREEZER. HEAT T FREEZER ONLY. BY MECHANICAL CONTRA
3	RUN CONDENSATE LINE EXPOSED ON WA POSSIBLE. BY MECHANICAL CONTRACTOR
4	CORE DRILL AND RUN PIPING THRU EXIST PIPING DROP TO TERMINATE AT 1" ABOVE SERVICE SINK. BY MECHANICAL CONTRAC
5	NEW ROOFTOP EQUIPMENT BASE. SEISMI BASE TO STRUCTURE AND SECURE COND TO BASE WITH 1/2" NEOPRENE VIBRATION PADS. REPAIR ROOF AS NECESSARY. BY I CONTRACTOR.
6	NEW CONDENSING UNIT. BY KITCHEN COM
7	RUN REFRIGERANT LIQUID AND SUCTION EXPOSED, TIGHT TO CEILING. BY KITCHEN
8	REFRIGERANT LIQUID, SUCTION, AND POV TO PENETRATE THRU ROOF AT INDIVIDUA REPAIR ROOFING AS NECESSARY. BY KITO CONTRACTOR.

- 9 REMOVE EXISTING EXHAUST FAN (HIGH IN WALL) AND EXISTING RELIEF AIR LOUVER (LOW IN WALL). BY MECHANICAL CONTRACTOR.
- 10 EXISTING FAN AND RELIEF AIR LOUVER TO REMAIN. RECONFIGURE CONTROLS TO RUN WITH ONLY A SINGLE FAN REMAINING. BY MECHANICAL CONTRACTOR.
- 11 EXISTING COMBUSTION AIR ROOF HOOD TO REMAIN.



TES

E TO EVAPORATOR.

POSED ON WALL AS R/FREEZER. INSULATE HEAT TRACE PIPING IN CONTRACTOR. ON WALL AS HIGH AS ACTOR.

EXISTING WALL. ABOVE EXISTING NTRACTOR.

SEISMICALLY ANCHOR E CONDENSING UNITS RATION ISOLATION RY. BY MECHANICAL

N CONTRACTOR. CTION LINES TCHEN CONTRACTOR.

ND POWER/CONTROLS DIVIDUAL ROOF JACKS. BY KITCHEN





NOTES:

1. SEE FIXTURE SCHEDULE FOR TYPE, MOUNTING AND WATTAGE.

2. HEIGI 3. REFE 4. SUBS 5. NEMA 6. HEIGI 7. PROV 8. DOUE 9. DEVIO ELEV. 10. SUBS 11. SOLIE INSTA *TYPICAL	THE ASURED TO CERTER LINE OF THE BOAT FROM THE FINISHE R TO DRAWINGS FOR DIRECTIONAL ARROWS. (CRIPT INDICATES FIXTURES TO BE CONTROLLED. A TYPE 'ND' NON-FUSED UNLESS NOTED 'F' (FUSED). USE 'HD' 480 (TIDE H.O.A. AND S.S. PUSHBUTTONS AS REQUIRED. BLE ARROWS INDICATES A DOUBLE FACE UNIT. CES NOTED WITH AN 'A' INDICATE TO COORDINATE WITH MILLWO ATIONS FOR HEIGHT. (CRIPT INDICATES NEMA CONFIGURATION. D BOX AROUND DEVICE INDICATES INSTALLED IN FLOOR. DASHINGLED IN CEILING. SYMBOL SCHEDULE. SOME SYMBOLS MAY NOT BE USED ON TH) V. DRK SHOP DRAWING ED BOX AROUND DEV	S AND VICE INDICATES S.	14. 15. 16. 17. 18. 19. 20.	OF BOX FR OF BOX FR ARROWS S CAMERA N MOUNT ON DOOR, THE INSTALL DE DASHED LI SPEAKER 1 MOUNTING	OM FINISHED FLOOR, OR AS NOTED. HOWN ON DEVICE INDICATE SENSOR AIMING DIRECTION. UMBERS ARE SHOWN INSIDE THE CAMERA SYMBOL. CAMERA TYPES TRACK OF OVERHEAD DOOR, 6" FROM TOP OF DOOR, UNLESS OVER IN MOUNT PER MANUFACTURER'S INSTRUCTIONS. EVICES PER MANUFACTURE'S INSTALLATION INSTRUCTIONS. NE INDICATES EQUIPMENT CLEARANCES. ARROW INDICATES FRONT TO BE MOUNTED IN HORIZONTAL POSITION. HEIGHT IS TO BOTTOM OF DISPLAY.	ARE INDICATE HEAD DOOR IS	D IN TAG. A ROLL UP
GENERAL	-						MOUNTING	1
SYMBOL	DESCRIPTION	HEIGHT	NOTES		SYMBOL	DESCRIPTION	HEIGHT	NOTES
	ONE CIRCUIT, HOME RUN TO PANEL					EQUIPMENT PANEL, SEE DRAWINGS	+72"	6.
	2 CIRCUIT, HOME RUN TO PANEL				=/	CABLE TRAY	AS NOTED	
	3 CIBCUIT HOME BUIN TO PANEL					GROUND BUS BAB	+18"	6
	CONDUTT RUN CONCEALED IN WALL OR CEILING					LIGHT FIATURE (LETTER DESIGNATES TIPE)		
	CONDUIT RUN CONCEALED IN FLOOR OR GROUND				$\langle \hat{\mathbf{X}} \rangle$	EQUIPMENT NUMBER		
O	CONDUIT UP				Х	ARCHITECTURAL ROOM NUMBER		
•	CONDUIT DOWN				X	DEVICE / EQUIPMENT (TEXT DESIGNATES TYPE) SEE SCHEDULE		
	CONDUIT STUB LOCATION	CAP CONDUIT		(X	DEVICE / EQUIPMENT (TEXT DESIGNATES TYPE) SEE SCHEDULE / LEGEND		
S	CONDUIT / CIRCUIT CONTINUATION							
	·							I
		CEILING	1			POWER PACK	ABOVE	SEE DIAGRAM,
\bigcirc						DIGITAL ROOM CONTROLLER	CEILING ABOVE	SPEC. SEE DIAGRAM
- FO	WALL LIGHT FIXTURE	AS NOTED	1.		(RC) X	(SUBSCRIPT INDICATES NUMBER OF RELAYS)	CEILING	SPEC.
	RECESSED DOWNLIGHT FIXTURE	CEILING	1.		(EP)	EMERGENCY LIGHTING CONTROL UNIT	CEILING	SPEC.
\bigcirc	RECESSED WALL-WASH DOWNLIGHT FIXTURE	CEILING	1.		\$ ³	THREE-WAY SWITCH	+46"	2.4.
0	LIGHT FIXTURE	AS NOTED	1.		\$ ⁴	FOUR-WAY SWITCH	+46"	2.4.
	EGRESS LIGHT FIXTURE	AS NOTED	1.		\$ ^K	KEY OPERATED SWITCH	+46"	2.4.
•-	AREA LIGHT POLE AND FIXTURE	CONCRETE	1. SEE DIAGRAM		S [₽]	SWITCH WITH PILOT LIGHT	+46"	2.4.
	BOLLARD	CONCRETE	1		\$ D	VARIABI E INTENSITY SWITCH	+46"	2 4
		BASE	1		¢ €™			2.4
		CONCRETE					+40	2.4.
	IN-GRADE LIGHT FIXTURE	BASE	1.		\$	MOMENTARY CONTACT SWITCH	+46"	2.4.
\bigcirc	FLOOD OR TRACK FIXTURE	AS NOTED	1.		X	CONFIGURATION & CONTROL SEQUENCE)	+46"	DIAGRAM, SPEC.
\otimes \otimes	CEILING / WALL MOUNTED EXIT LIGHT	AS NOTED	1. 3. 8.			PROVIDE WITH ALL PP AND ROOM CONTROLLERS)	CEILING	SEE DIAGRAM, SPEC.
	EMERGENCY LIGHT FIXTURE	AS NOTED	1.		Ю	DUAL TECH. WALL MOUNTED OCCUPANCY SENSOR (SUBSCRIPT D = DIMMING AND DAYLIGHT CONTROL)	+46"	2. 4. SEE DIAGRAM, SPEC.
\bigotimes	COMBO EXIT / EMERGENCY LIGHT FIXTURE	AS NOTED	1.		P	PHOTO-ELECTRIC CONTROL (LOCATE ON ROOF, FACE NORTH)	AS NOTED	MOUNT AS PER MFR.
TC	TC TIME CLOCK		2.			DIGITAL DAYLIGHT SENSOR	CEILING	SEE DIAGRAM,
POWFR								31 EG.
	ISOLATED GROUND RECEPTACLE	+18" OR	2.9	I		PLUGMOLD	+46" OR	2 SEE SPEC
		AS NOTED +18" OR	2.0.			FLAT PANEL DISPLAY WALL BOX TVSS RECEPT., DATA AND	AS NOTED	SEE DIAGRAM,
T		AS NOTED	2. 9.			OTHER DEVICES, REFER TO DIAGRAMS		SPEC. 26 2726
ΨU	DUPLEX RECEPTACLE WITH USB OUTLET	AS NOTED	2. 9.			CEILING PROJECTION SYSTEM CEILING BOX	CEILING	SPEC.
=©	CONTROLLED DUPLEX RECEPTACLE	AS NOTED	2.9.		H(C)	CLOCK OUTLET	+90"	2.
-	FOURPLEX RECEPTACLE EMERGENCY POWER (RED)	+18" OR AS NOTED	2. 9. 11.			DOORBELL CHIME	+90"	2.
=Ġ	CONTROLLED FOURPLEX RECEPTACLE	+18" OR AS NOTED	2. 9.		FB	FLOOR BOX - SEE SCHEDULE	FLOOR	SEE DIAGRAM, SPEC.
=	TVSS PROTECTED RECEPTACLE	+18" OR AS NOTED	2. 9.		PT	POKE THRU - SEE SCHEDULE	FLOOR	SEE DIAGRAM, SPEC.
	SPECIAL PURPOSE OUTLET	+18" OR	2. 10. W/ CAP.			PANEL BOARD	+72"	6.
	CORD DROP		SEE DIAGRAM		//////	MAIN DISTRIBUTION PANEL		
	CORD REEL		SEE DIAGRAM			TELEPHONE DEMARCATION BOARD		
					<u>A</u>			
	POWER POLE					EQUIPMENT 4-POST RACK / CABINET	AS NOTED	18. SEE SPEC.
	SINGLE / DUAL PORT ELECTRICAL VEHICLE CHARGER				<u> </u>	EQUIPMENT 2-POST RACK	AS NOTED	18. SEE SPEC.
					M	UTILITY METER / CT CABINET	+72"	6.
TELECOM	MUNICATIONS							
⊳w	WALL PHONE	+60" OR AS NOTED	2.	W	VAP WAP	WIRELESS ACCESS POINT, TWO CABLES SOLID = WALL_DASHED = CEILING	WALL / CEILING	11.
	DATA OUTLET, ONE CABLE	+18" OR AS NOTED	2. 9. 11.		SPL	SPLITTER		
	DATA OUTLET, TWO CABLES	+18" OR	2. 9. 11.		VIA	VIA	ABOVE	
	DATA QUITI ET THREE CABLES	45 NOTED +18" OR	2, 9, 11			FIBER BDA	ABOVE	
		AS NOTED +18" OR	2.0.11			ANTENNA PS = PUBLIC SAFETY	CEILING	
	DATA OUTLET, X INDICATES QUANTITY	AS NOTED	2. 9. 11.			COM = CELLULAR/COMMERCIAL		
		AS NOTED	9. 11.					
COLOR LE	GEND							
	LIGHTING FIXTURES		POWER DEVICES			AUDIOVISUAL		
	LIGHTING DEVICES		TELECOMMUNICAT	IONS		SECURITY		
	POWER EQUIPMENT		FIRE ALARM			NURSECALL		
	CABLE TRAY		CONDUIT					
			00110011					

SYMBOL LEGEND

- 12. COORDINATE WITH DOOR HARDWARE SUPPLIER. OTHER LOCATIONS MOUNT AT +16" TO POTTOM

MAXIMUM LENGTH	BRANCH CIRCUIT VOLT						
CONDUCTOR LENGTH (FT)	120 VOLT	277 VO					
<70	MIN. #12 AWG	MIN. #12					
70 - 115	MIN. #10 AWG	MIN. #12					
115 - 170	MIN. #8 AWG	MIN. #10					
170 - 270	MIN. #6 AWG	MIN. #8 A					
271 - 380	NOTE B	MIN. #8 A					
>380	NOTE B	NOTE					

	GEN	ERAL N	OTES	
1. CONSU		CEILING PLANS FOR EX	XACT LOCATION OF ALL LIGHT	ING FIXTURES.
2. VERIFY APPLIC AROUN	ALL EQUIPMENT DIMENSIONS AN ABLE CONTRACT DRAWINGS AND ID ALL ELECTRICAL EQUIPMENT.	ID LOCATIONS BEFORE		SULT ALL
OF ALL REVIEV	EQUIPMENT FURNISHED UNDER A VALL SHOP DRAWINGS AND EXIS	ALL DIVISIONS, INCLUE TING EQUIPMENT BEFO	DING ALL EXISTING EQUIPMEN DRE BEGINNING ROUGH-IN.	T TO BE RE-USED.
I. SEE SE MECHA	CTION 265100 (16510) OF THE SPE NICAL AND CEILING CONTRACTO	ECIFICATION FOR REQU	JIRED COORDINATION MEETIN	IGS WITH
5. SEE AF WHERE	PPLICABLE SHOP DRAWINGS FOR APPLICABLE MOUNT ALL WIRING	ROUGH IN LOCATION O DEVICES ABOVE BAC	OF ALL EQUIPMENT, WIRING D K SPLASH EXCEPT THOSE SE	EVICES, ETC. RVING UNDER
5. SEE SF	ER EQUIPMENT. PECIFICATION FOR ENERGY SAVIN	IG LAMP AND BALLAST	REQUIREMENTS.	
. FINISHI	ES OF ALL LIGHT FIXTURES SHALL	BE AS SELECTED BY ,	ARCHITECT.	
3. THE EL THAT N BE PEF	ECTRICAL CONTRACTOR SHALL N IO PIPING, DUCTS, OR EQUIPMENT RMITTED TO BE INSTALLED IN, ENT	IOTIFY AND COOPERA ⁻ FOREIGN TO THE OPE ER OR PASS THRU ELI	TE WITH THE MECHANICAL CO ERATION OF THE ELECTRICAL ECTRICAL ROOMS OR SPACES	NTRACTOR SUCH EQUIPMENT SHALL S, OR ABOVE OR
BELOW	VELECTRICAL EQUIPMENT IN OTH	ER AREAS. ATED IN MASONRY COL	UMNS IN BRICK WALLS OR IN	GROUTED CELLS
ADJAC	ENT TO OPENINGS. COORDINATE	LOCATION OF BOXES	WITH MASONRY CONTRACTOR	R.
MATER	IAL TO MAINTAIN FIRE RATING OF	SURFACE PENETRATE		
COORE TO ROL	DINATE EXACT LOCATION OF FLOC JGH-IN.	DR BOX OR POKE-THRU	J WITH OWNER AND FURNITUR	RE PROVIDER PRIOR
2. CIRCUI CONDL	TS EXTENDING OVER 70' FOR 120 ICTORS PER TABLE BELOW.	VOLT AND 115' FOR 27	7 VOLT 20 AMP CIRCUITS SHA	LL BE RUN WITH
	20 AMP MINIMUM BR	ANCH CIRCUIT CONDU		
	CONDUCTOR LENGTH (FT)	120 VOLT	277 VOLT	
	<70 70 - 115	MIN. #12 AWG MIN. #10 AWG	MIN. #12 AWG MIN. #12 AWG	
	115 - 170 170 - 270	MIN. #8 AWG MIN. #6 AWG	MIN. #10 AWG MIN. #8 AWG	
	271 - 380	NOTE B	MIN. #8 AWG	
	ABBRE	VIATION	IS INDEX	
BBREV.	DESCRIPTION NUMBER	ABBREV MH	MANHOLE	PTION
; F.F.	ALTERNATING CURRENT ABOVE FINISH FLOOR	MIC MIN	MICROPHONE MINIMUM	
C /	AMPS INTERRUPTING CAPACITY AMPS METER	/ MTG MTR	MOUNTING MOTOR	
/P IN	AMPERE N/A ANNUNCIATOR NC		NOT APPLICABLE NORMALLY CLOSED	
IS JX	AUTOMATIC TRANSFER SWITCH NEC NATIONAL ELECTRICA AUXILIARY NEMA NATIONAL ELECT. MA		NATIONAL ELECTRICAL C	CODE FAC. ASSOC.
NG C	AMERICAN WIRE GAUGE BARE COPPER	NFPA N.I.C.	NATIONAL FIRE PROTEC NOT IN CONTRACT	FION ASSOC.
G	BELOW FINISH GRADE CONDUIT	NO NTS	NORMALLY OPENED	
	CABINET COMMUNITY ANTENNA TELEVIS	ION PB	OUTSIDE SCREW & YOKE	
ATV KT	CABLE TELEVISION CIRCUIT	PF PFR	POWER FACTOR PHASE FAILURE RELAY	
	CEILING CONTRACTOR	PNL PT	PANEL POTENTIAL TRANSFORM	ER
0. RT	COMPUTER TERMINAL	(R)	RELOCATE	JNDUII
J	CORRENT TRANSFORMER COPPER	RECEP	RECEPTACLE REQUIREMENT	
vv 3		RLA RMP	RATED LOAD AMPS	R
VG	DRAWING	SE SE	SERVICE ENTRANCE	
)	EXISTING TO REMAIN, UNLESS OTHERWISE NOTED	SPKR	SPEAKER	
а ИТ ,	ELECTRICAL METALLIC TUBING	SW SWRD	SWITCHBOARD	
		SWGR		
, - -		TTC		ABINET
		TYP		
, <u>,</u> , ,	HORSE POWER	UPS		R SUPPLY
- C		VA/R	VOLT-AMPS/REACTIVE	
С		DUIT W	WATTS	
BOX		WH	WATTHOUR METER	
/A /AR	KILOVOLT AMPERES	WP VEND	WEATHERPROOF	
V RA		XFMR SW		
G		1P	SINGLE-PHASE	
AX		3P	THREE-POLE	
		4۲ Ø	PHASE	
UM	1000 CIRCULAR MILLS			
	SF	IEET IN	DEX	
1	ELECTRICAL SYMBOLS AND N	OTES		
: .1	ELECTRICAL SCHEDULES AND	NS		
1		ANS		

E0.1	ELECTRICAL SYMBOLS AND NOTES
E0.2	ELECTRICAL SCHEDULES AND NOTES



r	
ELECTRICA	L GENERAL PROVISIONS
· DE SE	SCRIPTION OF WORK : EXTENT OF ELECTRICAL WORK IS INDICATED ON DRAWINGS. PF RVICE NECESSARY FOR A COMPLETE ELECTRICAL SYSTEM. WORK INCLUDES, BUT IS N
	ELECTRICAL CONNECTIONS FOR EQUIPMENT
· ·	
	CONDUCTORS AND CABLES
•	ELECTRICAL BOXES AND FITTINGS
•	SUPPORTING DEVICES
•	WIRING DEVICES
•	OVERCURRENT PROTECTIVE DEVICES
•	MOTOR AND CIRCUIT DISCONNECTS
•	ELECTRICAL IDENTIFICATION
• VIS FR SIT	SIT THE SITE DURING THE BIDDING PERIOD TO DETERMINE EXISTING CONDITIONS AFFE OM SITE CONDITIONS AND/OR PREPARATION SHALL BE INCLUDED IN THE BASE BID. NO 'E INSPECTION.
• QU	ALITY ASSURANCE: PERFORM WORK IN ACCORDANCE WITH THE NATIONAL ELECTRIC
LO Wi ELI LAI	CAL ORDINANCES. OBTAIN ALL PERMITS, INSPECTIONS, ETC. FROM AUTHORITY HAVING TH AT LEAST THREE YEARS OF EXPERIENCE. WORKMANSHIP SHALL BE NEAT, HAVE A C ECTRICAL STATE CONTRACTING LICENSE. PROVIDE EQUIPMENT AND MATERIAL THAT A BELED.
DR	AWINGS.
•	PROVIDE SUBMITTALS IN PORTABLE DOCUMENT FORMAT (PDF).
•	DOCUMENTS MUST BE ELECTRONICALLY BOOKMARKED AND KEYWORD SEARCHABLE
	OR BLUEBEAM REVU (HTTP://WWW.BLUEBEAM.COM) FOR EACH RELEVANT SECTION.
•	ELECTRONICALLY HIGHLIGHT ALL OPTIONS FOR LIGHT FIXTURES, ELECTRICAL EQUIP
	DOCUMENTS IS NOT ACCEPTABLE AND WILL NOT BE REVIEWED.
•	PROVIDE ONLY COMPLETED CUTSHEETS FOR ALL FIXTURE AND EQUIPMENT TYPES. I ACCEPTABLE AND WILL NOT BE REVIEWED
•	A MAXIMUM OF ONE SUBMITTAL PER SPECIFICATION SECTION IS ALLOWED. IT IS NOT SUBMITTAL. SINGLE PRODUCT BY PRODUCT SUBMITTALS WILL NOT BE REVIEWED.
	WIRING DEVICES
	OVERCURRENT PROTECTIVE DEVICES
	LIGHT FIXTURES
	ELECTRICAL IDENTIFICATION
	SECURITY SYSTEMS EIRE ALARMAND DETECTION SYSTEMS
	FIRE ALARM AND DETECTION STSTEMS
• RE BU CO DO	CORD DRAWINGS: MAINTAIN ON A DAILY BASIS, A COMPLETE SET OF RECORD DRAWIN RIED OR CONCEALED WORK. MARK RECORD DRAWINGS TO SHOW THE PRECISE LOCAT NCEALED OR EMBEDDED CONDUIT AND JUNCTION BOXES AND ALL CHANGES AND DEV CUMENTS.
• OP FU	ERATION AND MAINTENANCE MANUALS: PROVIDE OPERATING INSTRUCTION AND MAI RNISHED UNDER THIS DIVISION.
• GU DR DE	ARANTEE: ENSURE THAT ELECTRICAL SYSTEMS INSTALLED UNDER THIS CONTRACT IS AWINGS, SPECIFICATIONS, AND/OR AUTHORIZED CHANGES. WITHOUT ADDITIONAL CHA FECTS, EXCEPT FROM ORDINARY WEAR AND TEAR, WITHIN ONE YEAR FROM THE DATE
• FIF Th	RE PROTECTION SEALS: SEAL ALL PENETRATIONS FOR WORK OF THIS SECTION THROU E SPREAD OF SMOKE, FIRE, TOXIC GAS, OR WATER THROUGH THE PENETRATION EITHE
• PO AT	WER OUTAGES: ALL POWER OUTAGES REQUIRED FOR EXECUTION OF THIS WORK SHA THE CONVENIENCE OF THE OWNER. INCLUDE ALL COSTS FOR OVERTIME WORK IN BID.
ELECTRICA • VE MA CO OT FIX AN	L CONNECTION FOR EQUIPMENT RIFY EXACT LOAD AND LOCATION OF ALL EQUIPMENT BEFORE ROUGH-IN FOR EACH EL TERIAL, INCLUDING BUT NOT NECESSARILY LIMITED TO, RACEWAYS, CONDUCTORS, CO INNECTORS, TERMINALS (LUGS), ELECTRICAL INSULATING TAPE, HEAT-SHRINKABLE INS HER ITEMS AND ACCESSORIES AS NEEDED TO COMPLETE SPLICES, TERMINATIONS, AN (ED EQUIPMENT, PROVIDE FLEXIBLE SEAL-TITE CONNECTION. FOR MOVABLE AND/OR PO D MULTI-CONDUCTOR CORD.
GROUNDING	G
• PR ITE CO	OVIDE GROUNDING AND BONDING OF ALL ELECTRICAL AND COMMUNICATION APPARAT MS REQUIRED BY THE NEC TO PROVIDE A PERMANENT, CONTINUOUS LOW IMPEDANCE NDUCTOR IN ALL RACEWAYS USED FOR POWER DISTRIBUTION.

LIGHT FIXTURE SCHEDULE

	LIGHT FI	IXTURE SCHEDU	LE					KITCHEN EQUIPMENT SCHEDULE															
	LIGH			PROJECT I	MANAGER: DRAYTO	N		CONNE	CTION TYPE NO	DTES:				R	RESPONS	IBILITY L	EGEND:						
A.F.F. ABOVE FINISH FLOOR VALL@CLG WALL MOUNT AT CORNER OF WALL AND CEILING CCBA CUSTOM PAINTED COLOR AS SELECTED BY THE ARCHITECT		SCBA STANDARD PAINTED CO CFBA CUSTOM FINISH AS SEI SFBA STANDARD FINISH AS §	COLOR AS SELECTED BY THE ARCHITEC LECTED BY THE ARCHITECT SELECTED BY THE ARCHITECT	T			1. NON-FUSE DISCONNECT SWITCH A. FURNISHED, INSTALLED AND CONNECTED UNDER DIVISION 26(16) 2. FUSED DISCONNECT SWITCH B. FURNISHED AND INSTALLED UNDER ANOTHER DIVISION. REQUIRED CONNECTED 3. CIRCUIT BREAKER IN ENCLOSURE DIVISION 26(16) 4. MANUAL STARTER WITH THERMAL OVERLOAD C. EURNISHED UNDER ANOTHER DIVISION BUT INSTALLED AND CONNECTED UNDER ANOTHER DIVISION BUT INSTALLE							;) ED CONNECTION UNDEF									
1. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS C ELECTRICAL ENGINEER PRIOR TO BIDDING.	OF LIGHT FIXTURES AND, CONFIRM	LIGHT FIXTURE GENERAL NOTES	ALL DISCREPANCIES OF LOCATIONS A	ND QUANTITIES TO TI	HE ATTENTION OF T	HE ARCHITECT AND		5. MAC 6. MAC	GNETIC STARTE	R / NON-FU				D ON	D. FURNIS	HED, INS	STALLED A	ND CONNE		ER ANOTHE		DN	
 REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS AND LC REFER TO THE SPECIFICATIONS FOR OTHER LIGHT FIXTURE, FUSING, LED 	CATIONS OF LIGHT FIXTURES. BRIP DRIVERS, AND LAMP REQUIREMEN	NG ALL DISCREPENCIES TO THE ATTENTION OF THE	ARCHITECT PRIOR TO BIDDING.					7. MAC 8. MAC 9. VAR	INETIC STARTE	R / FUSED L R / CIRCUIT ENCY DRIVI	BREAKER	COMBINA	ATION	С	CB = CIRC	UIT BRE	AKER						
 CONFIRM AVAILABLE MOUNTING DEPTHS OF ALL LIGHT FIXTURES AND COI REFER TO LIGHTING PLANS FOR ALL LINEAR FIXTURE LENGTHS. THE CATA FIXTURE LENGTHS MAY BE REQUIRED TO ACHIEVE THE OVERALL RUN LEN 	IPARE WITH DEPTHS SHOWN ON S LOG NUMBER IS BASED ON THE FIX GTH.	3HOP DRAWINGS. BRING ALL POTENTIAL CONFLICT A XTURE SPECIFIED AND MAY NOT REFLECT THE QUAN	AREAS TO THE ATTENTION OF THE ARC NTITY OR OVERALL LENGTH OF LINEAR	CHITECT AND ELECTR	RICAL ENGINEER PRI ED. CONTRACTOR TO	OR TO RELEASE. NOTE THAT VARIOUS		10. RED 11. DIRI 12. REC	UCED VOLTAGE ECT CONNECTIC EPTACLE / SPE	E STARTER ON CIAL PURPO)SE OUTLI	ET / ETC.		N P N	NOTE 1: PI PHASE CO NOTE 2: O	ER 250.1)NDUCT(VERCUF	22(A), EQL DR. RENT PRO	IPMENT GF	OUND IS N	OT REQUIR	ED TO BE		THAN THE
6. REFER TO LIGHTING PLANS FOR ALL UNDERCABINET FIXTURE LENGTHS. T NOTE THAT VARIOUS FIXTURE LENGTHS MAY BE REQUIRED TO ACHIEVE TI	HE CATALOG NUMBER IS BASED OF HE OVERALL RUN LENGTH OR TO F	N THE FIXTURE SPECIFIED AND MAY NOT REFLECT T -IT WITHIN THE MILLWORK. COORDINATE FIXTURE LA	THE QUANTITY OR OVERALL LENGTH O AYOUT WITH MILLWORK SHOP DRAWING	F THE UNDERCABINE GS PRIOR TO LIGHTIN	ET FIXTURES REQUIF NG SUBMITTALS.	RED. CONTRACTOR TO		13. TWO 14. SOL) SPEED START ID STATE SOFT-	er. Coore -Starter.	DINATE WI	ΓΗ ΜΟΤΟΓ	R TYPE	A N	ALL FUSIN NAME PLA		SIZED IN . NG.						
 WHEN A CONTRADICTION EXISTS BETWEEN A SPECIFIC MODEL NUMBER A PRIOR APPROVALS ARE REQUIRED BEFORE BIDDING THE PROJECT AND SI REFER TO SPECIFICATIONS 20 0500, 26 5100 & 26 5600 (16001, 16510 & 16551) 	ND THE DESCRIPTION, NOTIFY THE HALL BE SUBMITTED TO THE ELECT).	ELECTRICAL ENGINEER AND/OR LIGHTING DESIGNE RICAL ENGINEER'S OFFICE AT LEAST (8) EIGHT WOF	ER. RKING DAYS BEFORE THE BID. PRIOR A	PPROVALS RECEIVEI	D AFTER THIS TIME F	PERIOD SHALL BE		GENER 1. EQUI 2. LOAD	AL NOTES: PMENT SHOWN D-CENTERS SHO	IS FOR ELE	CTRICAL I	NFORMAT	FION ONLY	7. THERE	IS NO RE	FERENC	E TO THE					ACH SPACE	
10. VALUE ENGINEERING CONDUCTED WITHOUT THE DESIGN TEAM IE; ARCHIT	ECT, ENGINEER & LIGHTING CONSI	ULTANT/DESIGNER WILL NOT BE ALLOWED, REVIEWE	ED OR APPROVED.		1			LOAD 3. PER 2	0 CENTER. 250.122(A), EQU	IPMENT GR	OUND IS N	IOT REQU	IRED TO E	BE LARGE	ER THAN F	PHASE C	ONDUCTO	R.					
TYPE DESCRIPTION L1 1' x 4' EXTRUDED VANDAL RESISTANT ADA SURFACE MOUNT FIXTURE; WH POWDER PAINTED FINISH	MFR. IITE CERTOLUX	CATALOG # VRSE-355648LED840K100LUNV	VOLTS TOTAL WATTS 120 V 99 VA	LAMP TYPE	JELIVERED LUMENS 3,471	COLOR TEMP CRI 4000 K 80		4. CON HEIG 5. EQUI LATE	FRACTOR SHALI HTS FOR ALL DE PMENT CONNEC ST DRAWINGS, S	L REFER TO EVICES SER CTIONS, VO SPECIFICAT	FOOD SE VING FOO LTAGES, A	RVICE EQ D SERVIC MPERAGI CUTSHEI	UIPMENT E EQUIPM ES AND DE ETS THAT	DRAWING IENT. EVICE RA [®] COULD B	GS FOR A TINGS INI BE PROCU	LL DEVIO	CE AND HA IN THE KI OM THE FO	RDWARE (TCHEN EQ OOD SERVI	ONNECTIO JIPMENT S CE CONSUI	N DIMENSI CHEDULE & _TANT'S DC	ONS INCL ARE BASE OCUMENT	LUDING MC D UPON TH S. PRIOR T	UNTING HE TO FINAL
ELECTRICAL S	PECIFICATIONS							CON EQUI	NECTION THE CO PMENT PURCHA	ONTRACTO ASED. ANY [R SHALL V DISCREPA	ERIFY THI NCIES SH/	E CONNEC ALL BE RE	PORTED	QUIREME TO THE A	NTS WIT	TH THE MC CT AND EN	ST CURRE IGINEER.	IT FOOD SI	ERVICE DO	CUMENT	S OR ACTU	AL
VIDE ALL LABOR, MATERIALS, EQUIPMENT, SUPERVISION AND T NECESSARILY LIMITED TO THE FOLLOWING ITEMS:	CONDUIT RACEWAN PROVIDE M OF 3/4". INS OF NEC AN FEEDE CONCI	YS METAL CONDUIT, TUBING, AND FITTINGS OF TYPES, STALL ELECTRICAL RACEWAY SYSTEMS IN ACCORI ID NECA "STANDARD OF INSTALLATION" IN ACCORE ERS: INSTALL FEEDERS RATED 100 AMPS AND GRE CRETE ENCASED NON-METALLIC CONDUIT OR DUC1	, GRADES, SIZES, AND WEIGHTS (WAL RDANCE WITH MANUFACTURER'S WRIT DANCE WITH THE FOLLOWING: EATER, IN ELECTRICAL METALIC COND T (SCHEDULE 40 PVC).	L THICKNESS) AS RE TTEN INSTRUCTIONS DUIT (EMT); WHERE B	EQUIRED; WITH MIN S AND APPLICABLE F BURIED BELOW GRA	IMUM TRADE SIZE REQUIREMENTS DE, INSTALL IN		6. PRO\ 7. PRO\ MOV 8. COOI 9. PRO\	/IDE ALL CONDU /IDE FLEXIBLE (E EQUIPMENT F RDINATE WITH F /IDE ALL INTER(JITS REQUI CONDUIT AN OR CLEANI PLUMBING / CONNECTIN	RED FOR I ID FITTING NG. AND MECH IG CONDU	REFRIGEF IS AS REC ANICAL P IT AND WI	RATION AN QUIRED FC IPING TO / RE BETWE	ID BEVER OR KITCHE AVOID CC EEN EACH	RAGE SYS EN EQUIP DNFLICTS H DISPEN	TEM LIN MENT TI SER ANI	ES. HAT WILL I D THE SWI	BE CONNEC	TED PERM	ANENTLY. /	ALLOW E	NOUGH SL	АСК ТО
	BRANG LOCAT ENCAS PROVI METAL WHER BOTH BOTH	CH CIRCUITS, AND INDIVIDUAL EQUIPMENT CIRCUIT IED IN POURED WALLS, BELOW CONCRETE SLAB-C SE NON-METALLICPLASTIC DUCT1-1/4" AND LARGEF IDE RIGID METAL CONDUIT (RMC) FOR ALL BENDS II L CONDUIT BENDS. INSTALL FLEXIBLE CONDUIT FO RE SUBJECT TO MOVEMENT AND VIBRATIONS. PRO' IN SLAB AND SUSPENDED.	ITS RATED LESS THAN 100 AMPS: INST ON-GRADE, OR IN EARTH FILL, INSTALI IR IN CONCRETE. IN BURIED CONDUIT GREATER THAN 3 OR CONNECTIONS OF MOTORS, TRANS IVIDE OZ, EXPANSION FITTINGS ON ALL	ALL IN ELECTRICAL L IN NON-METALLIC F O DEGREES. PROVIE SFORMERS, AND OTH L CONDUITS CROSSI	METALLIC TUBING (PLASTIC DUCT (SCH DE PROTECTIVE CO. HER ELECTRICAL EC SING BUILDING EXPA	EMT). WHERE IEDULE 40 PVC). ATING FOR RIGID QUIPMENT NSION JOINTS,		10. PRE FIN • IN • CO COMPR	-FABRICATED C AL CONNECTION STALL AND CON DNNECT CRS DE ESSOR CONTRO	COLD STOR/ NS TO PROV INECT LIGH EFROST, DR OL PANEL, E	AGE ROON /IDE THE F T FIXTURE AIN LINE, I ETC. SUPP	IS (CSR) (' OLLOWIN S, SPLICE HEATERS, LIED BY T	WALK-IN C IG: E BOXES, L THERMOS HE KES.	COOLER/F AMPS, LIO STATS, TI	FREEZER) IGHT SWIT IME CLOC): PROVI TCHES A CKS, EVA	DE ALL INT ND DOOR PORATIVE	ERCONNE	CTING CON SUPPLIED E BLOCK, SV	DUIT, SEAL ,Y THE KES VITCH, FAN	-OFFS, S I DOOR S	EALANT, W WITCH ANE	/IRE AND AL
TING ELECTRICAL AND OTHER WORK. ALL COSTS ARISING DDITIONAL CHARGES WILL BE ALLOWED DUE TO INADEQUATE	CONDUCTORS AND PROVIDE F CONDUCTO CONDUCTO	CABLES ACTORY-FABRICATED CONDUCTORS FOR SIZED, F ORS, WITH THHN/THWN INSULATION. SIZE ALL CON ORS FOR #8 AWG AND LARGER.	RATINGS, MATERIAL, AND TYPES INDICIDENTIALS IN ACCORDANCE WITH NEC	CATED FOR EACH SE C; MINIMUM SIZE TO	ERVICE. PROVIDE C BE #12 AWG. PROVI	OPPER DE STRANDED		• PF • IN OF CON ESCUT	ROVIDE CONDUI STALL CONDUIT INECTION. DO N CHEON PLATES.	T AND WIRE ON THE EX NOT INSTAL	E BETWEE	N CONDEN F THE CR ON THE I	NSERS AN S AND PEI INTERIOR	D EVAPO NETRATE OF THE C	THE CRS CRS. SEAL	PER KES CEILINO _ ALL PE	DETAILS. AT A POI NETRATIO	NT WHERE NS WITH C	THE COND AULKING AI	UIT CAN DF ND INSTALL	₹OP DIRE _ INTERIC	CTLY INTO R AND EXT) THE POINT FERIOR
L CODE (NEC). COMPLY WITH REQUIREMENTS OF STATE AND JURISDICTION (AHJ). EMPLOY ONLY QUALIFIED CRAFTSMEN DOD MECHANICAL APPEARANCE AND CONFORM TO BEST E UNDERWRITERS LABORATORIES INC. (UL) LISTED AND	ELECTRICAL BOXES PROVIDE C OUTLET WI CAST-MET/ CONDUIT B FASTEN BC MASONRY.	S AND FITTINGS NE PIECE GALVANIZED FLAT ROLLED SHEET STEE IRING BOXES, CODE-GAGE SHEET STEEL JUNCTION AL CONDUIT BODIES, CORROSION-RESISTANT PUN 3USHINGS AND OFFSET CONNECTORS, AND ALL AC OXES RIGIDLY TO SUBSTRATES OR STRUCTURAL S (USE BAR HANGERS FOR STUD CONSTRUCTION.	EL INTERIOR OUTLET WIRING BOXES, INS AND PULL BOXES, CAST-IRON WAT ICHED-STEEL BOX KNOCKOUT CLOSU CCESSORIES AS REQUIRED TO SUIT E SURFACES TO WHICH ATTACHED, OR S	CORROSION-RESIST TERPROOF ADJUSTA JRES, CONDUIT LOCH ACH RESPECTIVE LO SOLIDLY EMBED ELE	TANT CAST-METAL V ABLE FLOOR BOXES KOUTS AND MALLEA OCATION AND INSTA ECTRICAL BOXES IN	VEATHERPROOF , GALVANIZED ABLE STEEL ALLATION. CONCRETE OR		11. PRC 12. ALL 13. TYP • PF	VIDE ALL DISCO 20A 120V RECE E 1 HOODS (VEN ROVIDE CONNEC	ONNECT SV PTACLES IN NTILATORS CTIONS EQU	/ITCHES W I FOOD PF I: PROVIDE JIPMENT S	/HERE RE EPARATIO E ALL INTE HUT-OFFS	QUIRED B ON AREA S RCONNE(S.	Y NEC. SHALL BE CTING CC	E GFCI TYI DNDUIT AI	PE. ND WIRE	ТО АССО	MPLISH TH	E FOLLOWI	NG:			
USING ADOBE ACROBAT (HTTP://WWW.ADOBE.COM/ACROBAT) E. INCLUDE ELECTRONIC BOOKMARKS SEPARATING "LIGHT	SUPPORTING DEVIC PROVIDE S CLEVIS HAI TOGGLE BC WRITTEN IN	CES 3UPPORTS, ANCHORS, SLEEVES AND SEALS AS RE NGERS, RISER CLAMPS, C-CLAMPS, BEAM CLAMPS OLTS, THREADED RODS, U-CHANNEL STRUT SYSTE	EQUIRED FOR A COMPLETE RACEWAY S, ONE AND TWO HOLE CONDUIT STRA EM, AND ALL ASSOCIATED ACCESSOR	' SUPPORT SYSTEM, APS, OFFSET CONDU RIES. INSTALL IN ACC	, INCLUDING BUT NC JIT CLAMPS, EXPAN CORDANCE WITH MA	T LIMITED TO: SION ANCHORS, NUFACTURER'S		• SF • IN • M	TERLOCK MAKE	ELECTRICA EUP AIR ANI ROL PANEL A	D EXHAUS	JNDER TH T. TH BUILDIN	IE HOOD. NG FIRE AI	LARM.									
ENT, ETC. MANUAL HIGHLIGHTING AND SCANNING OF THE ANK CUTSHEETS SUBMITTED WITH A SCHEDULE ARE NOT		ACHMENT OF ALL FLOOR MOUNTED EQUIPMENT TO	THE FLOOR SLAB OR STRUCTURAL	SYSTEM.		S. PROVIDE					E		CAL EQ ORMAT		NT			۱. ۱	 NIRE		OC	D D	()
CCEPTABLE TO PROVIDE A PRODUCT BY PRODUCT	WIRING DEVICES	, INSERTS AND ATTACHMENTS, SEISMIC SNUBBER /	AND BRACING TO MEET THE SEISMIC	REQUIREMENTS FO	DR THE PROJECT SIT	E.					L	OAD				SAM				Q		SC/ VF	NOTE
	PROVIDE G NEMA STDS AMPERES I PROVIDE D	RADE FACTORY-FABRICATED WIRING DEVICES, IN S PUB NO. WD-1. PROVIDE HEAVY DUTY SPECIFICA RATED TOGGLE SWITCHES. CONSTRUCT WIRING D DEVICES IN COLORS SELECTED BY ARCHITECT.	N TYPES, AND ELECTRICAL RATINGS F ATION GRADE, 20- AMPERES RATED, G DEVICE OF HEAVY DUTY HIGH IMPACT	OR APPLICATIONS IN BROUNDING TYPE CO NYLON AND PROVIE	NDICATED AND COM ONVENIENCE OUTLE DE COVER PLATES 1	IPLYING WITH ETS,. PROVIDE 20- "O MATCH.		T #	DESCRIPTI	ON	HP FLA	MCA	٨٨	/OLTAGE	PHASE		SETS	ατγ	SIZE). GROUN	ТҮРЕ	AMPS TER/ DIS	H RE
	COVERCURRENT PR CONTRACT CONTRACT PROVIDE C FACTORY.(FOR SHALL VERIFY TYPE AND COST OF ALL OVERCU FOR SHALL INCLUDE THE NECESSARY COST TO PR OVERCURRENT PROTECTIVE DEVICES OF THE SAM	CURRENT PROTECTIVE DEVICES REQU ROVIDE DEVICES WITHIN THEIR BID. IE MANUFACTURER AS THE SWITCHBO ND RMS INTERRIJETING RATING SHOU	JIRED WITHIN EXISTI	ING GEAR AND PAN	ELBOARDS. TURER. PROVIDE	К	11	EBEEZEB CU		0.00 16	0.0	0.VA	208 V	1 10		4" 1	2	12	<u>Ш</u> 12	СВ	25 A 2	
ON OF CONCEALED WORK AND EQUIPMENT, INCLUDING TIONS IN THE WORK FROM THAT SHOWN ON THE CONTRACT	MOLDE PI IN IN IN IN	ED CASE THERMAL TRIP CIRCUIT BREAKERS: ROVIDE FACTORY-ASSEMBLED BOLT-ON MOLDED (VSTANTANEOUS MAGNETIC TRIP IN EACH POLE. SE N ANY PHYSICAL POSITION AND IN AN AMBIENT TEM	CASE CIRCUIT BREAKERS WITH PERM ERIES RATING IS NOT ACCEPTABLE. C	MANENT THERMAL THE CONSTRUCT BREAKE	RIP AND ADJUSTAB	LE AND OPERATING	K K K	1.2 1.3 1.4	COOLER EV COOLER CU FREEZER EV	(((((0.00 1.6 0.00 7.2 0.00 10.8	A 0 A A 0 A A 0 A A 0 A	0 VA 0 VA 0 VA 0 VA	120 V 208 V 208 V 208 V	1 2 1 7 1 1	2 A 3/ 7 A 3/ 1 A 3/	4" 1 4" 1 4" 1 4" 1 4" 1	2 2 2 2	12 12 12 12 12	12 12 12 12	CB CB CB	15 A 11 15 A 20 20 A 11 15 A 11	A ? A 1 A
TENANCE DATA BOOKS FOR ALL EQUIPMENT AND MATERIALS	CI ON SERVIC ADJUSTAB FOR ALL CI	IRCUIT BREAKERS 15 AMPS THROUGH 599 AMPS SH >E DISCONNECT BREAKERS WHERE PHASE TO GRC >LE GROUND FAULT PICK UP AND ADJUSTABLE GRC >IRCUIT BREAKERS 1200 AMPERES OR HIGHER, PRC >D A DEDUCTION FOR THE INSTANTANEOUS DICKUP	SHALL BE MOLDED CASE SOLID-STATE OUND VOLTAGE EXCEEDS 150-VOLTS OUND FAULT TIME DELAY WITH GROU OVIDE AN ENERGY-REDUCING MAINTE	E CIRCUIT BREAKERS , THE SOLID STATE T ND FAULT TEST BUT ENANCE SWITCH WIT	S. TRIP MECHANISM SF TON; TH LOCAL, LIT STATU	HALL INCLUDE	K	1.5 L 1.6 FR	EEZER DRAIN HEA	TTRACE (0.00 5 A	0 A	0 VA 0 VA	120 V 120 V	1 5	5 A 3/	4 1 4" 1	2	12	12	CB	15 A 11 15 A 11	A
GE, REPLACE ANY WORK OR MATERIALS WHICH DEVELOP OF SUBSTANTIAL COMPLETION. GH FIRE RATED FLOORS, WALLS, AND CEILINGS TO PREVENT	MOTOR STARTERS • PROVIDE F MOUNT HA	A REDUCTION FO THE INSTANTANEOUS PICKUP A	IETIC STARTERS RATED AT 600V WITH			ALL PHASES.																	
L OCCUR DURING THE NON-STANDARD WORKING HOURS AND	MOTOR AND CIRCU	OF INSTALLATION. JIT DISCONNECTS HEAVY-DUTY TYPE SAFETY SWITCHES: FUSIBLE OF		IDE SWITCHES BATE	ED AT 600 VOLTS 60	HZ.																	
CTRICAL CONNECTION. PROVIDE COMPLETE ASSEMBLY OF RDS, CORD CAPS, PLUGS, WIRING DEVICES, PRESSURE JLATING TUBING, CABLE TIES, SOLDERLESS WIRE NUTS, AND O CONNECTIONS AS REQUIRED. FOR PERMANENTLY INSTALLED RTABLE EQUIPMENT, PROVIDE WIRING DEVICE, CORD CAP,	LIGHTING FIXTURES PROVIDE L HOUSING, I	ATING QUICK-MAKE, QUICK-BREAK TYPE MECHANI PROVIDE NEMA ENCLOSURE RATINGS BASED ON I S JIGHTING FIXTURES COMPLETE WITH ALL COMPON DRIVER, REFLECTORS, AND WIRING. SIZE FUSES F	IISMS. EQUIP WITH OPERATING HAND LOCATION OF INSTALLATION.	TING INDICATED. THI	IS INCLUDES, BUT N	OT LIMITED TO																	
S, MACHINERY, APPLIANCES, BUILDING COMPONENTS, AND GROUNDING SYSTEM. PROVIDE AN NEC BONDING/GROUNDING	BRACKETS WITH #12 G BOARD PR(WITH DAMF	AND MISCELLANEOUS EQUIPMENT FOR MOUNTIN 3A. STEEL WIRE ATTACHED TO EACH CORNER; INDE OTECTION AS REQUIRED TO MAINTAIN FIRE RATING P OR WET LOCATION LABEL AS REQUIRED BY APPL	ING OF FIX I URES. SUPPORT ALL GRID DEPENDENT OF THE CEILING SYSTEM. IG OF EACH CEILING IN WHICH FIXTUR LICATION. PROVIDE CLASS 2 WIRING I	PROVIDE BACKING S PROVIDE BACKING S RES ARE INSTALLED. FOR ALL FIXTURES II	S FROM THE BUILDII SUPPORTS, PROVID PROVIDE ALL EXTE INDICATED TO HAVE	NG STRUCTURE E GYPSUM RIOR FIXTURES 0-10V DIMMING.																	

ELECTRICAL IDENTIFICATION
 PROVIDE ELECTRICAL IDENTIFICATION PRODUCTS FOR BURIED ELECTRICAL LINES, ARC-FLASH HAZARD LABELS (ANSI Z535.4), SOURCE OF SUPPLY LABELS, AVAILABLE FAULT CURRENT LABELS AND EMERGENCY OPERATING SIGNS TO EQUIPMENT INSTALLED AS PART OF THIS PROJECT.
 PROVIDE NYLON TYPE COVERPLATES THAT MATCH DEVICES. PROVIDE METAL COVERS FOR ALL DEVICES IN UNFINISHED SPACES
 PROVIDE LABELS ON COVERPLATES INDICATING SOURCE OF POWER (I.E. PANEL - CIRCUIT #).

IRED CONNECTION UNDER ONNECTED UNDER DIVISIO ... VISION

TO BE LARGER THAN THE LOCATED AT POWER PANEL. DMMENDATION FOR MOTOR

OR WHICH IT IS INSTALLED. IN EACH SPACE.

S, SEALANT, WIRE AND ALL

DIRECTLY INTO THE POINT ERIOR AND EXTERIOR

PD	Ģ	S)	
AMPS	STARTER/ DISC/ VI DTHER (SEE NOTE		REMARKS
25 A	2	A	
15 A	11	A	
15 A	2	A	
20 A	11	А	
15 A	11	А	
15 A	11	А	



(ALL) 'E' E1 'ATS' D5 (E)



DEMOLITION NOTES

- DIVISION 26 SHALL CONFIRM EXACT LOCATION OF EXISTING AND NEW EQUIPMENT LOCATIONS ARE DIAGRAMMATICALLY SHOWN ON THE DRAWINGS. EXISTING ELECT EQUIPMENT, CIRCUITING AND/OR CIRCUITING AND/OR CONDUITS ARE NOT SPECIF DRAWINGS. FINAL ROUTING OF THE CONDUITS, CIRCUITING AND CABLING SHALL E CONTRACTOR AND CLOSELY COORDINATED WITH OWNER. ALL EXISTING CONDITION WITHOUT EXCEPTION.
- . REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING DEMOLITION DRAWINGS FOR INFORMATION.
- DURING DEMOLITION AND NEW CONSTRUCTION, THE CONTINUATION OF BUILDING NECESSARY. TRACE AND IDENTIFY EXISTING ELECTRICAL SYSTEM (POWER, LIGHT SECURITY) WIRING IN AREAS PRIOR TO DEMOLITION. ELECTRICAL CONTRACTOR SI NECESSARY EQUIPMENT TO MAKE IT SAFE FOR DEMOLITION. WHERE LIVE CIRCUITION THROUGH A REMODEL AREA, CONTRACTOR SHALL MAINTAIN ELECTRIC CONTINUIT CIRCUITS AND/OR FEEDERS PASSING THROUGH. WHERE FEEDERS AND/OR BRANC
- LOADS IN A REMODELED AREA AND OUTSIDE OF A REMODELED AREA, CONTRACTO REMOVE PORTIONS OF THE ELECTRICAL BRANCH CIRCUITS AND/OR FEEDERS WIT AND REWORK BRANCH CIRCUITS AND/OR FEEDERS TO MAINTAIN ELECTRICAL COM OF THE REMODELED AREA.
- DEVICES AND EQUIPMENT TO BE DEMOLISHED SHALL BE REMOVED, INCLUDING AL RACEWAY, JUNCTION AND SPLICE BOXES UP TO THE PANELBOARD/SWITCHBOARD THAT ARE SURFACE MOUNTED AND NO LONGER REQUIRE ACTIVE CIRCUITS SHALL DEVICES TO BE REMOVED ON DRYWALL OR PLASTER TYPE WALLS THAT ARE TO R SURFACE PATCHED TO MATCH THE EXISTING FINISH. THE CONTRACTOR SHALL IDE ABANDONED BRANCH CIRCUITS. THESE SHALL BE NOTED AS SPARE ON PANELBOA INCLUDES IDENTIFYING EXISTING ABANDONED AND SPARE CIRCUITS THAT ARE C USED. THE CONTRACTOR SHALL FURNISH NEW TYPED DIRECTORIES FOR ALL PAN
- . THE OWNER HAS THE RIGHT TO RETAIN ALL SALVAGEABLE MATERIAL. ANY MATER NOT TO ACCEPT SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR. FULLY COORDINATE MECHANICAL EQUIPMENT ELECTRICAL CONNECTION REMOVAL AND RELOCATION WITH THE
- MECHANICAL CONTRACTOR. CONTRACTOR TO VERIFY THAT ALL EXISTING EQUIPMENT THAT IS TO REMAIN, BE REMOVED AND RE-INSTALLED ARE IN WORKING CONDITIONS. CONTRACTOR IS TO PROVIDE OWNER WRITTEN DOCUMENTATION OF ANY ITEMS NOT IN WORKING CONDITION PRIOR TO COMMENCING WORK IN AN AREA.
- CONTRACTOR IS TO PROTECT IN PLACE ALL MECHANICAL, PLUMBING, ELECTRICAL ABOVE CEILINGS. THIS MAY INCLUDE BUT NOT LIMITED TO: NETWORK CABLING, COAX CABLING, CONDUITS, PIPING, DUCTWORK, ETC. PROVIDE ADDITIONAL CABLING SUPPORTS AS REQUIRED FOR ANY UNSUPPORTED CABLING, RACEWAY, ETC.
- WHERE DEVICES OR EQUIPMENT IS TO BE RELOCATED, CONTRACTOR SHALL EXTEND EXISTING CIRCUITING TO NEW LOCATION. ENSURE CIRCUIT CONTINUITY FOR OTHER DEVICES OR EQUIPMENT ON THE SAME BRANCH CIRCUIT.
- 0. COORDINATE THE DEMOLITION. PATCH, AND REPAIR OF CEILING FOR ALL LIGHTING AND ELECTRICAL APPARATUSES IN THIS AREA. DISCONNECT AND RE-CONNECT AS REQUIRED TO MAINTAIN ALL SYSTEMS.
- 1. DEVICES NOTED WITH SUBSCRIPT '(E)' DENOTES THE DEVICES ARE EXISTING AND TO REMAIN UNTOUCHED DURING DEMOLITION, UNLESS OTHERWISE NOTED.

SHEET KEYNOTES

D1	LIGHT SWITCH TO BE DEMOLISHED. REMOVE BACK BOX, CONDUIT AND CAB
D4	REMOVE EXISTING LIGHT FIXTURES, RACEWAY AND CONDUCTORS FROM THE EXISTING LIGHTING CIRCUITS TO THE DECK ABOVE FOR RE-USE DURING THE
D5	EXISTING ELECTRICAL EQUIPMENT TO REMAIN.
D7	EXISTING FREEZER CONTROL NODES 1-4 TO BE REMOVED. MAINTAIN BOX L REUSED WITH NEW FREEZER.
D9	EXISTING EXHAUST FAN TO BE DEMOLISHED. DISCONNECT AND REMOVE AL THE PANEL.

INVESTIGATE EXISTING PANEL BOARD AND UTILIZE AVAILABLE SPARE BREAKERS FOR NEW MECHANICAL EQUIMENT CIRCUITS. CHANGE AND CONSOLIDATE CIRCUITS AND BREAKERS AS REQUIRED. E1

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NT WITH OWNERS. FIXTURE CTRICAL FIXTURES, DEVICES, IFIED UNLESS NOTED ON . BE DETERMINED BY THE FIONS MUST BE VERIFIED
OR ADDITIONAL DEMOLITION
IG SYSTEMS MAY BE HTING, FIRE ALARM AND SHALL DISCONNECT ALL JITS OR FEEDERS PASS JITY TO AND PROTECT BRANCI NCH CIRCUITS FEED BOTH TOR SHALL DISCONNECT AND /ITHIN THE REMODELED AREA ONTINUITY TO LOADS OUTSIDE
ALL RELATED CONDUCTORS, RD. ALL CONDUITS AND BOXES LL BE COMPLETELY REMOVED REMAIN SHALL HAVE THE WAI DENTIFY ALL DEMOLISHED AN OARD SCHEDULES. THIS CURRENTLY IDENTIFIED AS ANELBOARDS.
ERIAL THE OWNER CHOOSES

LING BACK TO SOURCE. THE INDICATED SPACE. SECURE THE REMODEL PHASE.

LOCATION AND ALL CONDUIT TO BE

ALL CONDUIT AND WIRE BACK TO

PANEL: E (E)				TY	PE:	Type 1		VOLTS: -	120/20	08 Y	PH	ASE:	3		WIRES: 4
MOUNTING: SURFACE							LC	DCATION:	OUTDOO	R STORA	GE 111			м	AINS: MLO
BUSSING:							FE	- Ed From:							SUBFEED LUGS
				-				AMP:	150 A	F					DOOR-IN-DOOR
								-							ISO GROUND 200% NEUTRAL SPD
							BRANCH	BREAKERS	6						
ITEM	AMPS	POLE	WIRE SIZE	CIR. NO.	А	в	с	A	в	с	CIR. NO.	WIRE SIZE	POLE	AMPS	ITEM
EXISTING	20 A	1		1	0			0			2		1	20 A	EXISTING
EXISTING	20 A	1		3		0			0		4		1	20 A	EXISTING
EXISTING	20 A	1		5			0			0	6		1	20 A	EXISTING
EXISTING	20 A	1		7	0			0			8		1	20 A	EXISTING
EXISTING	20 A	1		9		0			0		10		1	20 A	EXISTING
EXISTING	20 A	1		11			0			0	12		1	20 A	EXISTING
EXISTING	20 A	1		13	0			0			14		1	20 A	EXISTING
*FREEZER CONDENSING	25 A	2	12	15		1664			0		16		1	20 A	EXISTING
				17	-		1664			0	18		1	20 A	EXISTING
EXISTING	20 A	1		19	0	-		0			20		1	20 A	EXISTING
EXISTING	20 A			21		0	0		0	0	22		- 1	20 A	EXISTING
EXISTING	20 A	1		23	0		0	1100		0	24			20 A	
	20 A		12	25	0	740		1123	1122		20	12	2	20 A	FREEZER EVAPORATOR
	20 A	2	12	27		749	749		1125	1302	30			20.4	
EXISTING	20 A	1		31	0		745	600		1002	32	12	1	20 A	
EXISTING	20 A	1		33	•	0		000	0		34		1	20 A	FXISTING
EXISTING	20 A	1		35			0			0	36		1	20 A	EXISTING
EXISTING	20 A	1		37	0			0		-	38		1	20 A	EXISTING
EXISTING	20 A	1		39		0			0		40		1	20 A	EXISTING
EXISTING	20 A	1		41			0			0	42		1	20 A	EXISTING
		1	1		1723 14 A	3536 32 A	3805 34 A	TOTAL (V AMPS/PH	A) ASE]				CONNECTED LOAD TOTAL 9064 VA
					·		_	AIC	AIC RATING		10,000		AMPS RMS SYSM.		

SHEET KEYNOTES

- E1 INVESTIGATE EXISTING PANEL BOARD AND UTILIZE AVAILABLE SPARE BREAKERS FOR NEW MECHANICAL EQUIMENT CIRCUITS. CHANGE AND CONSOLIDATE CIRCUITS AND BREAKERS AS REQUIRED.
- E2 PROVIDE CONNECTION TO HEAT TRACE ON FREEZER DRAIN LINE. FIELD VERIFY DRAIN AND TERMINATION LOCATION PRIOR TO ROUGH-IN. COORDINATE WITH DIVISION 23 PRIOR TO INSTALL.
- E3 PROVIDE CONNECTION TO FREEZER AND COOLER SENSOR. WIRE INTO EXISTING HIGH AND LOW TEMP CONTROL ZONES/POPITS WITHIN EXISTING FREEZER ALARM PANEL. VERIFY CONNECTIONS WITH OWNER PRIOR TO ROUGH-IN.
- L1 ALL NEW LIGHTING LUMINAIRES TO BE CONNECTED TO EXISTING CIRCUITS
- L2 FREEZER/COOLER LUMINAIRES PROVIDED BY KITCHEN CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR.

