

Standards Manual 2022-2023

Contractors

The General Contractor and all Subcontractors are responsible for knowledge of and compliance with the codes, ordinances and regulations as enforced by the authorities having jurisdiction over any Crave Cookies Franchising, LLC project where said General contractor or Subcontractor is participating in bidding, design or construction.

Consultants

The Consultants and Sub-consultants retained for assistance on a Crave Cookies Franchising, LLC project are responsible for knowledge of and compliance with the codes, ordinances and regulations as enforced by the authorities having jurisdiction over that project.

ALL CONSULTANTS ARE RESPONSIBLE FOR REVIEWING THE Crave Cookies Franchising, LLC DESIGN STANDARDS MANUAL AND IMPLEMENTING THESE STANDARDS INTO ANY AND ALL PROJECT DOCUMENTS.

The only exception shall be when a particular design standard conflicts with a specific code. If this should happen, the project is to be adjusted to comply with code, and Crave Cookies Franchising, LLC is to be notified.

SECTION 1: INTERIOR SPECS, FIXTURES AND EQUIPMENT

SECTION 2: SIGNAGE

SECTION 3: DIGITAL OPERATIONS EQUIPMENT

SECTION 4: REFERENCE MATERIALS

SECTION 1- INTERIOR SPECS, FIXTURES AND EQUIPMENT

1A: Store Interior

<u>Tile:</u>

- Daltile -Semi Gloss Arctic White 0190 (1)
 - On side walls (optional). Walls can be painted with white paint spec below.
 - 4x8 subway tile
 - Pure white grout
- Daltile -Semi Gloss Black K111 (2)
 - On back wall of store
 - 4x8 subway tile
 - Black grout

Paint:

- SW 6991 Black Magic 251-C5
- SW 7006 Extra White 257-C1

Flooring:

- LVT: Aladdin Native Craft Color 910 Grayish
- Roppe Rubber Cove Base: 700 Series Black (100, 701)

Lighting:

- Standard LED 2x4 ceiling tile suspended fixtures
- Soffit Can lighting: 6" Can lighting
- Customer Order Area fixtures:
- Fixture provided as a standard by Crave Corporate: <u>https://goldenlighting.com/collections/zoey</u> Matte Black with Gold/Bronze interior is the finish selection.

Cabinetry:

Corporate:

- Black Laminate Cabinets (HPL or Melamine)
 - HPL Formica 909 or Wilsonart 1595
- Solid Surface or Quartz Pure White: White/Pure White/Cream White/Arctic White Owner to decide on local availability. Typical to not have fleck, pattern solid color,

Decorative Shelving:

- Ikea LACK shelving (white)
- Ikea MITTLED LED lighting strips (white)

1 B: Baking Equipment

- Convection Oven, Electric
 - (2ea) Baxter Manufacturing OV310E-Mini rotating rack oven, stainless steel, 18.0kW, cUL

• Planetary Mixer

• (2ea) Doyon Baking Equipment BTF040

• Reach-in Freezer

• (1ea) Turbo Air M3F24-1-N

Equipment Stand (for mixer/slicer) (1ea) John Boos MS4-2424GSK-X

- Refrigerator
 - (1 ea) Turbo Air M3R72-3-N

• Refrigerated Merchandiser

• (1 ea) Turbo Air TSR-23GSD-N6

• Heated Holding Proofing Cabinet (mobile)

• (1 ea) Winholt Equipment INHPL-1836C-DGT

• Three (3) Compartment Sink

• (1ea) Turbo Air TSA-3-14-D2

- Work Table, 72" Stainless Steel Top
 - (4ea) John Boos FBLG7230-X
- Nugget Ice Maker
 - Hoshizaki F-450-MAJ-C
- Ingredient Bin

 (5ea) Cambro IBS27148
- Ingredient Bin
 (3ea) Crestware IN5

• Pan Rack BUN

• (2ea) Winholt Equipment ADE1820B-KDA

• Loaf Pan

• (30 ea) Chicago Metallic Bakeware 42425

• Baking Sheets

• (36 ea) Full sized baking sheets

SECTION 2- SIGNAGE

2A: Requirements

• Signage requirements

- Storefront (exterior)
- Monument sign (where applicable)
- Interior Sign (on back wall)
 - Gold back-lit sign
- Contact:
 - Geoff Grayson

Allied Electrical Sign

geoff@allied-sign.com

801-882-4994

SECTION 3- DIGITAL OPERATIONS EQUIPMENT

3A: Point of Sales (POS) Equipment

- (1ea) POS Tablet-TOAST
- (1ea) KDS (Kitchen Display System)
- (2ea) Printers
- Kiosks
 - Determined by needs of individual locations
- Extra POS
 - Determined by needs of individual locations

3B: POS Equipment Setup

- Internet cable MUST be run to each POS, POS Kiosks, and KDS
- POS Tablet
 - Located on front counter

• KDS (Kitchen Display System)

• Located on wall by drink station

• Printers

- One on front counter by POS
- One on prep table under KDS/by drink station

• Kiosks

- Located against a wall at the front of the store
- Free standing (not mounted) on tall tables

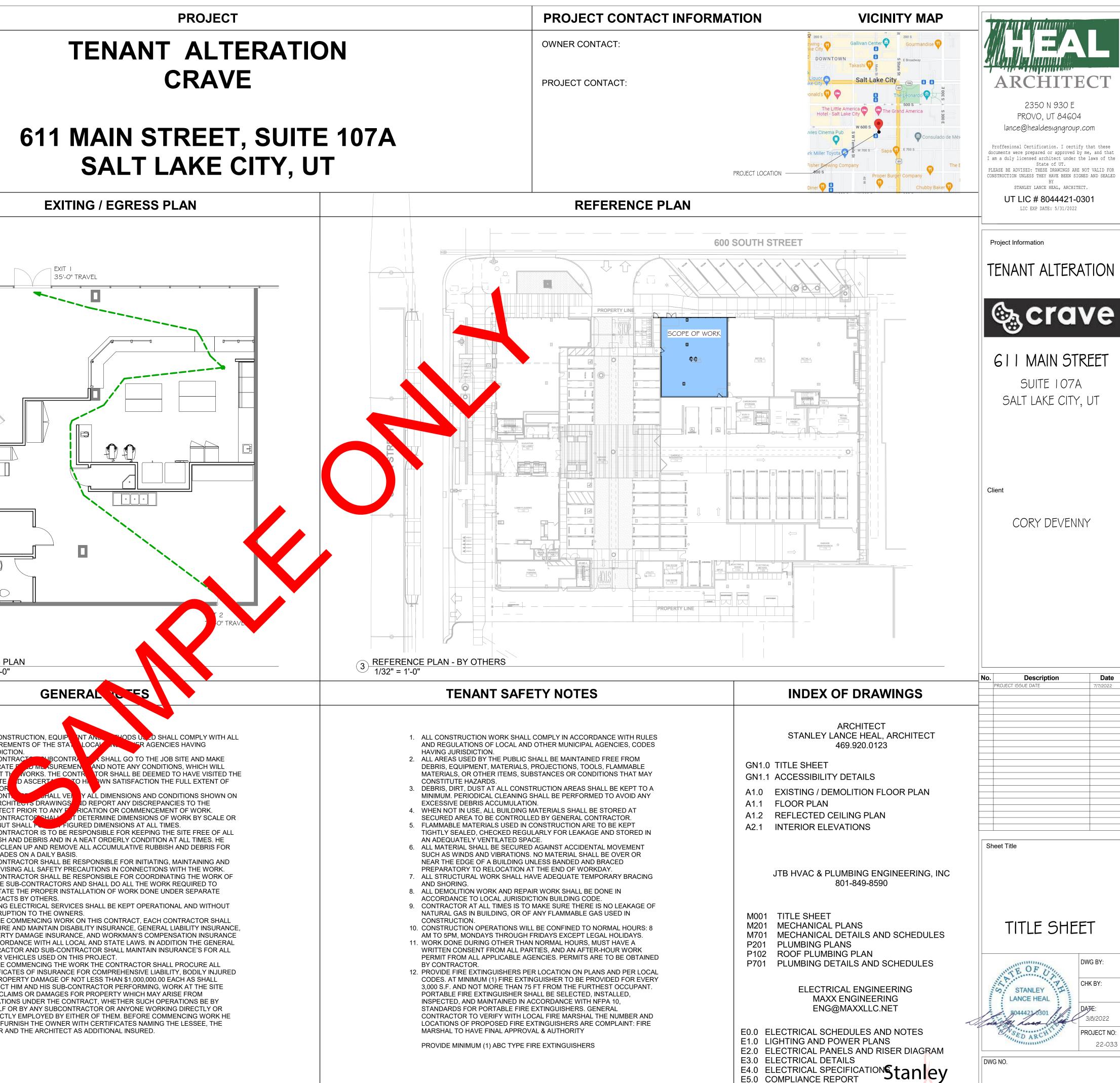
3C: TV MENU DISPLAYS

- (3 ea) 55" Samsung Smart TV
 - $\circ \quad \text{One for drink menu} \\$
 - \circ One for cookie menu
 - One for promotional video (optional)

SECTION 4: REFERENCE MATERIAL

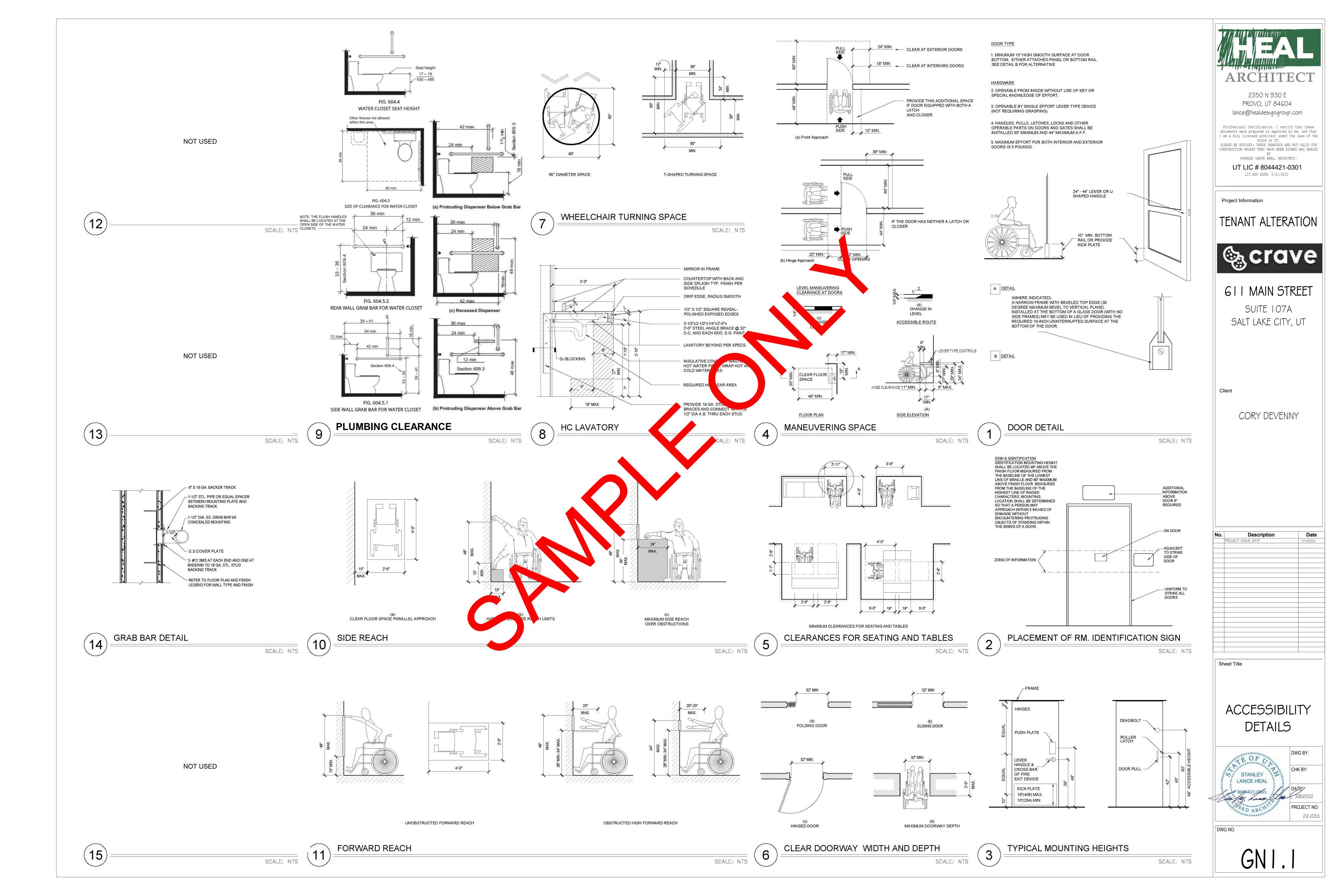
4A: SAMPLE ARCHITECTURAL DRAWINGS

	BUILDING DA	TA		
. JURISDICTION SALT LAKE CITY, UT				
2. APPLICABLE CODES:				
2018 edition of the International Building Code 2018 edition of the International Plumbing Code 2018 edition of the International Mechanical C 2018 edition of the International Fuel Gas Code 2020 edition of the National Electrical Code, is 2018 edition of the International Fire Code, is 2018 edition of the International Energy Conse 2018 edition of the International Energy Conse	de, issued by the International Code ode, issued by the International Cod le, issued by the International Code ssued by the National Fire Protectio sued by the International Code Cour	Council; le Council; Council; n Association; icil;		
3. BUILDING USE AND OCCUPANCY: USE GROUP: (EXISTING) (<i>NO PROPOSED CHANGE OF USE</i>)	(B) BUSI	NESS		
. TYPE OF CONSTRUCTION				
OVERALL BUILDING II-A				
. FIRE PROTECTION				
SPRINKLERYESFIRE ALARMYES				
	PROVIDED	REQUIRED / ALLOWED	IBC	
OCCUPANCY CLASSIFICATION	В	В	SEC. 304.1	
BUILDING AREA				
AREA TOTAL (EXISTING SPACE) NO INCREASE	2,300 SQ.FT.	N/A	TABLE. 506.2	
DCCUPANT LOAD TENANT SPACE				
TOTAL AREA	(2,300 / 150) = 15 OCC	(AREA / 150) = OCC	TABLE 1004.5	
NUMBER OF EXITS				
TENANT SPACE	2	1	SEC. 1006.3.2.1	
GRESS TRAVEL DISTANCES: COMMON PATH OF TRAVEL	< 75'	75 FT MAX	TABLE 1006.2.1	
EXIT TRAVEL DISTANCE	70'-0"	200 FT MAX	TABLE 1017.2	
/INIMUM CORRIDOR WIDTH	<u>></u> 36" 0-HR	36" MIN. 0-HR	TABLE 1020.2 TABLE 1020.1	
	0-1112			
RESTROOMS	1	1	TABLE 403.1	
ABLE 601 - TYPE II-A				
<u>ELEMENT</u> PRIMARY STRUCTURAL FRAME BEARING WALLS		HR RATING 0	_	<u>1</u> <u>1/8</u>
INTERIOR EXTERIOR	,	0 0		
NON BEARING WALLS AND PARTITIONS EXTERIOR INTERIOR		0 0		
FLOOR CONSTRUCTION AND ASSOCIAT		0 0		1. T R
ABLE 602				JI 2. T A
FIRE SEPARATION DISTANCE		HR RATING		A Ju T
5 < X < 10		1		3. T T A
				4. T R 5. T
				R S A
				6. T S 7. T
				A F C
	OF WORK			8. E IN 9. B
PROJECT SCOPE C				P P IN
INTERIOR:	ING			
	ID DOORS			C M
INTERIOR: TENANT ALTERATION OF EXIST • NEW PARTITION WALLS AN • NEW FLOOR AND CEILING • NEW SERVICE COUNTER • NEW EQUIPMENT	ID DOORS			C M 10. B C A
INTERIOR: TENANT ALTERATION OF EXIST • NEW PARTITION WALLS AN • NEW FLOOR AND CEILING • NEW SERVICE COUNTER	ID DOORS			C M 10. B C A P F O
INTERIOR: TENANT ALTERATION OF EXIST • NEW PARTITION WALLS AN • NEW FLOOR AND CEILING • NEW SERVICE COUNTER • NEW EQUIPMENT	ID DOORS			C M 10. B C A P F O H S O H



Lance Heals

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GENERAL DEMOLITION NOTES:

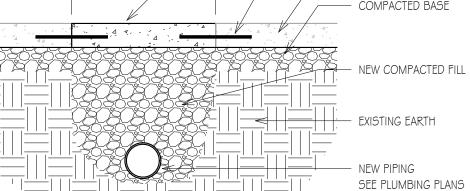
- I. CONTRACTOR SHALL NOT CONSIDER DEMOLITION AND ALTERATION NOTES TO BE ALL -INCLUSIVE. CONTRACTOR SHALL INSPECT AND ASSESS EACH AREA AND FULFILL THE INTENT OF THE WORK INDICATED BY THE CONTRACT DOCUMENTS. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS WITHIN THE CONTRACT LIMITS. DEVIATIONS FROM THE CONTRACT DOCUMENTS NECESSITATED BY FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
- 2. CONTRACTOR SHALL CONSULT WITH THE OWNER IN ADVANCE OF DOING WORK, TO DETERMINE DISPOSITION
- OF ALL FIXTURES, CABINETS, SERVICES, EQUIPMENT AND ITEMS REMOVED DURING DEMOLITION. 3. PROVIDE TEMPORARY DUST BARRIERS, BARRICADES, ETC. TO PROTECT PERSONNEL AND ADJACENT SPACES
- AS REQUIRED OR SHOWN ON THE DRAWINGS. 4. ALL CONSTRUCTION AND DEMOLITION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL
- CODES. 5. ALL EXISTING STRUCTURE (BEARING WALLS, BEAMS, JOIST GIRDERS, BAR JOIST, COLUMNS, ETC) ARE TO
- REMAIN AS IS, UNLESS NOTED OTHERWISE. 6. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING DIMENSIONS AS SHOWN ON THE DRAWINGS AND NOTIFYING THE ARCHITECT IN WRITING OF ANY DISCREPANCIES PRIOR TO
- DEMOLITION/CONSTRUCTION. 7. CONTRACTOR SHALL BE RESPONSIBLE FORE REMOVING ALL DEBRIS GENERATED DURING DEMOLITION
- PROPERLY ACCORDING TO THE LAW AT HIS OWN EXPENSE. (SEPARATE MATERIALS IF REQUIRED).
- 8. WHERE EXISTING CONSTRUCTION (I.E. PARTITIONS, FLOORS AND BASES, DOOR AND WINDOW FRAMES, CEILINGS, CASEWORK, EQUIPMENT, HVAC, ELECTRICAL AND PLUMBING FIXTURES ARE REMOVED OR ALTERED, REPAIR
- CONSTRUCTION AND/OR PROVIDE NEW SCHEDULED FINISHES. 9. WHERE NEW CONSTRUCTION OCCURS IN EXISTING WALLS OR PARTITIONS WHICH ARE FIRE RATED,
- MATERIALS USED SHALL BE SUFFICIENT TO MAINTAIN FIRE RATING. I.O. WHERE PARTITIONS ARE REMOVED AT COLUMNS AND WALLS, EXISTING FINISH AROUND COLUMNS SHALL BE REMOVED, COLUMNS SHALL REMAIN AND NEW CONSTRUCTION AND FINISHES SHALL BE APPLIED TO MATCH NEW
- ADJACENT AND/OR SIMILAR CONDITIONS. I I. UNLESS NOTED OTHERWISE, REMOVE EXISTING PROJECTIONS, HANGER, BOLTS, NAILS, BRACKETS, ETC.
- FROM EXISTING WALLS AND COLUMNS. PATCH ALL HOLES TO MATCH ADJACENT SURFACES AND/OR PROVIDE NEW SCHEDULED FINISHES.
- PLANE REGARDLESS OF AREA ACTUALLY REPAIRED OR DISTURBED. WHERE EXISTING OR NEW CERAMIC TILE OCCURS WITHIN A SCHEDULED PAINT FINISH AREA, CERAMIC TILE SHALL REMAIN UNPAINTED.
- 13. WHERE DRAWINGS CALL FOR REMOVAL OF EXISTING HVAC, PLUMBING AND ELECTRICAL FIXTURES OR EQUIPMENT, REMOVE ABANDONED SERVICES AND REROUTE OR CAP BEHIND LINE OF NEW CONSTRUCTION AND FINISHES. EXISTING AND NEW UTILITIES SHALL BE CONCEALED BY NEW CONSTRUCTION, IN FINISHES SPACES.
- 14. DUCT, PIPE AND CONDUIT HOLES IN THE FLOOR , EITHER EXISTING OR RESULTING FROM DEMOLITION OR NEW WORK REQUIREMENTS, SHALL BE FILLED IN SOLID WITH CONCRETE.
- I 5. EXISTING FIRE ALARM SYSTEM TO REMAIN ACTIVE DURING CONSTRUCTION

- SAW-CUT TRENCH AND RE-PLACE WITH NEW CONCRETE FLOOR SLAB OVER 6 MIL VAPOR BARRIER. WIDTH VARIES

- #4 REBAR X 12" LONG AT 2'-0" O.C. DRILL AND EPOXY INTO EXISTING SLAB

- EXISTING FLOOR SLAB

— COMPACTED BASE



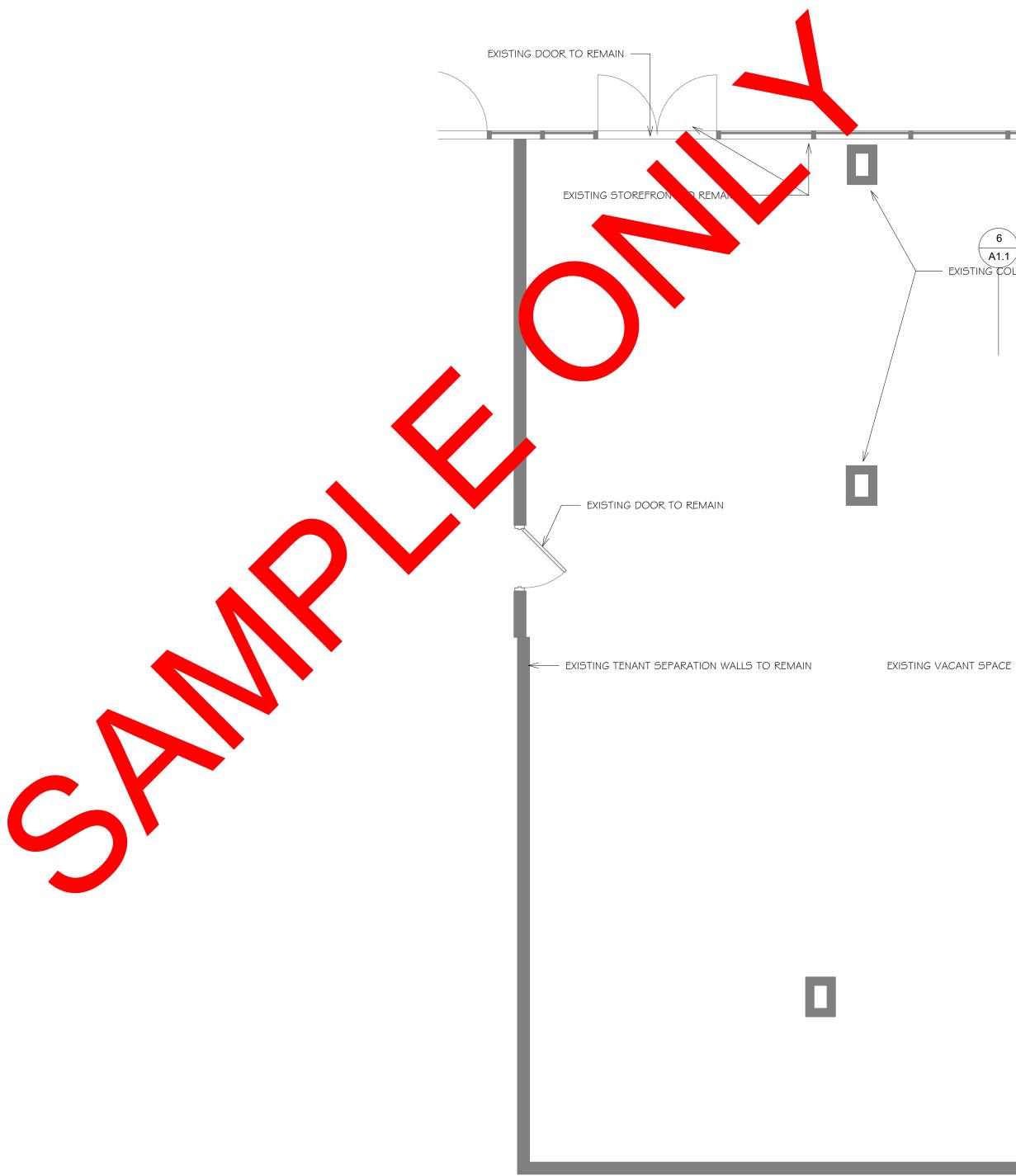
FIELD VERIFY

2 DETAIL AT NEW TRENCH 3/4" = 1'-0"

ADJACENT SURFACES DISTURBED BY DEMOLITION OR ALTERATION WORK, AND PREPARE TO RECEIVE NEW

I 2. UNLESS OTHERWISE NOTED ON DOCUMENTS, PAINTING SHALL BE FROM A BREAK IN PLANE TO A BREAK IN

_____ _____



LEGEND

NOTE:

EXISTING WALLS TO REMAIN PATCH WERE REQUIRED

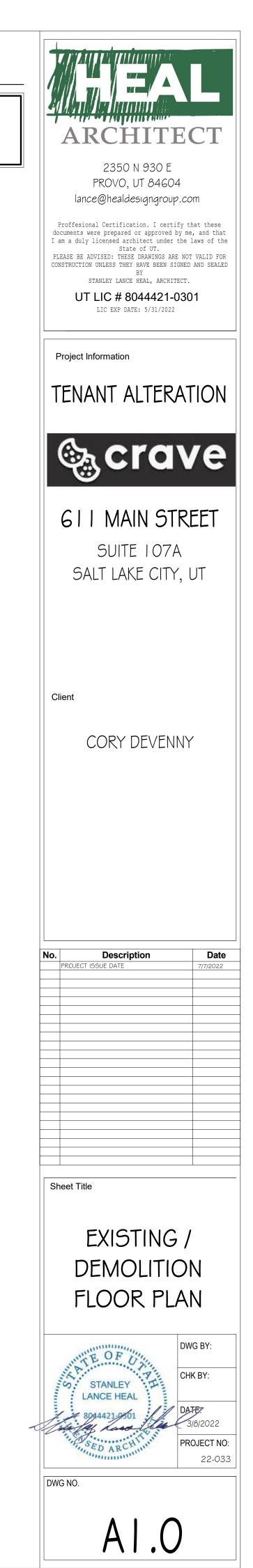
EXISTING DOOR TO REMAIN

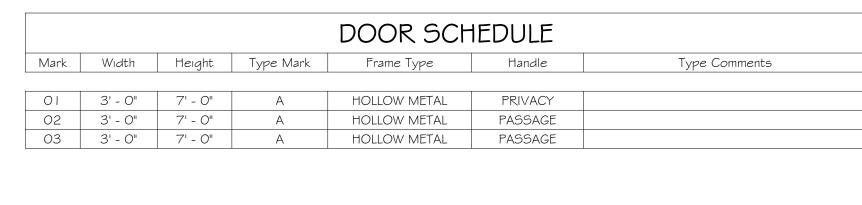
EXISTING WALLS TO BE REMOVED

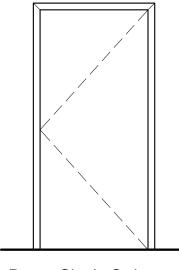
EXISTING DOOR TO BE REMOVED

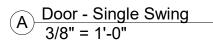
PATCH AND REPAIR ALL EXISTING WALLS TO REMAIN WHERE DAMAGED AND/OR ALTERED BY NEW CONSTRUCTION

6 - EXISTING COLUMNS TO REMAIN – EXISTING TENANT SEPARATION WALLS TO REMAIN $-\!-\!-$ EXISTING DOOR TO REMAIN -









DOOR HARDWARE:

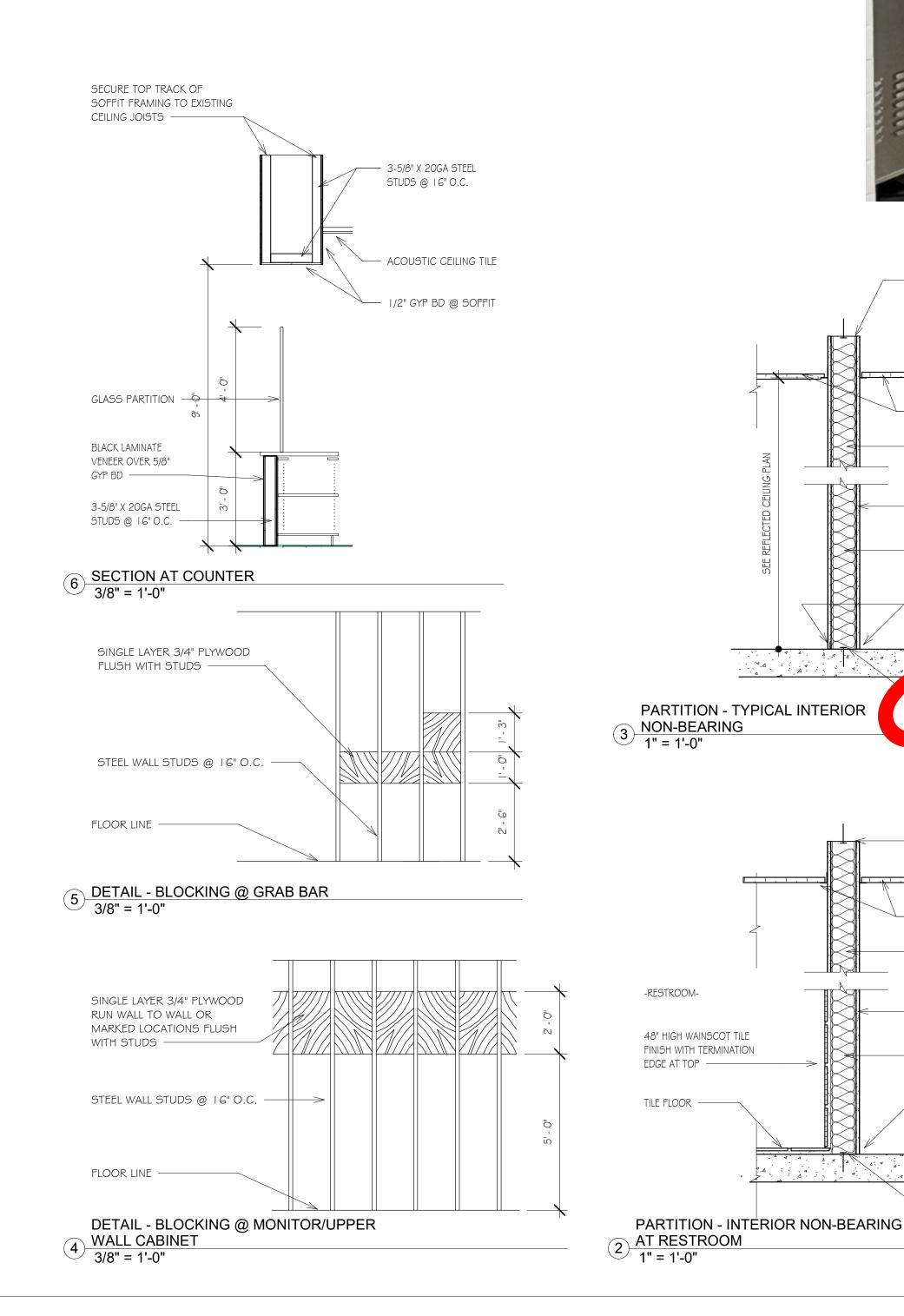
ALL INTERIOR DOORS SHOULD BE SOLID CORE RED OAK WITH (2)-COATS OF CLEAR STAIN

DOOR HARDWARE SHALL BE SARGENT 6500 CYLINDRICAL LEVER - OR EQUAL (GRADE 2 CONTRACTOR QUALITY) AND SHALL COMPLY WITH THE FOLLOWING:

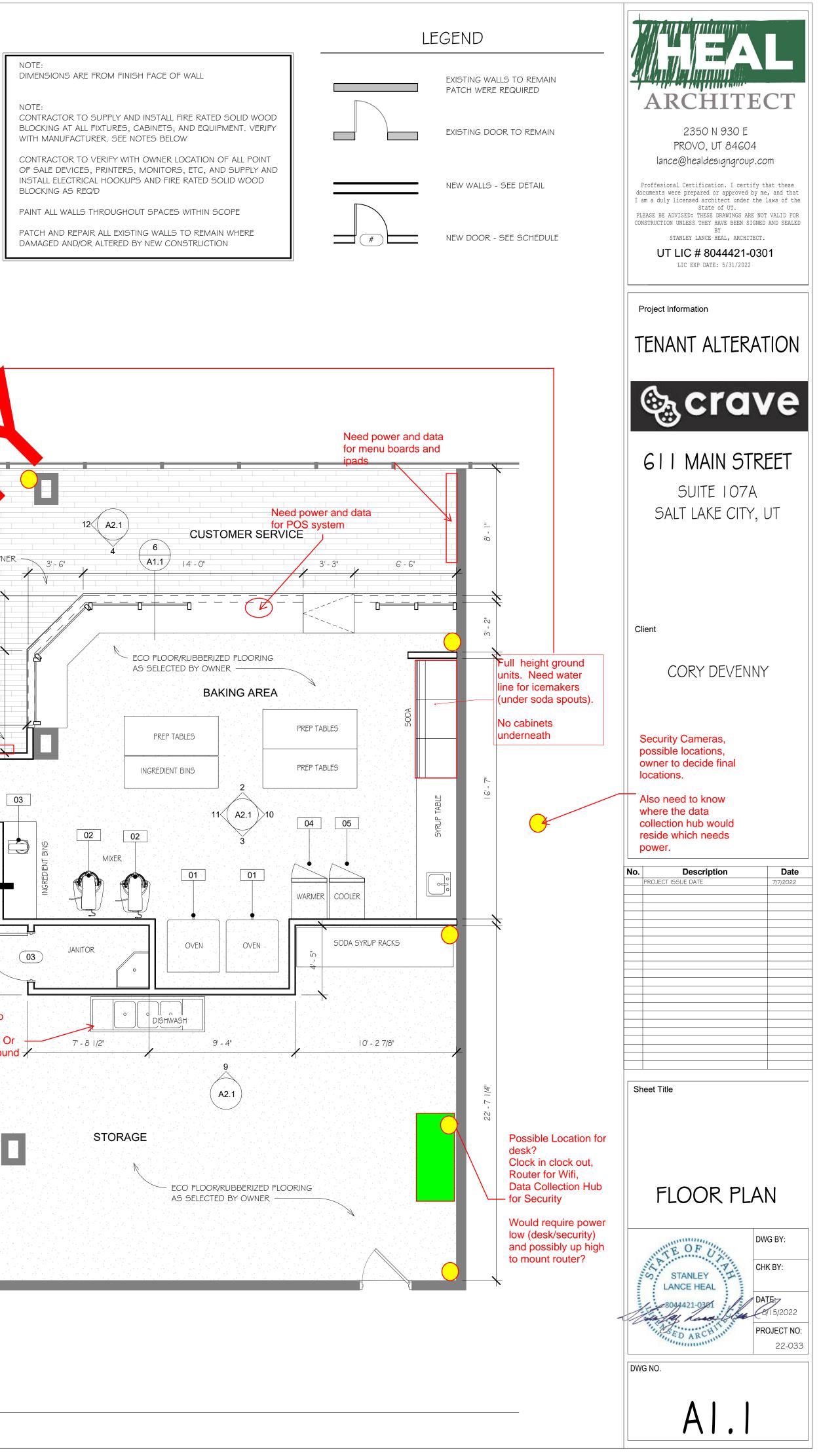
(404.2.6) HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST TO OPERATE. OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FLOOR. WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES

(404.2.8) DOOR OPENING FORCE

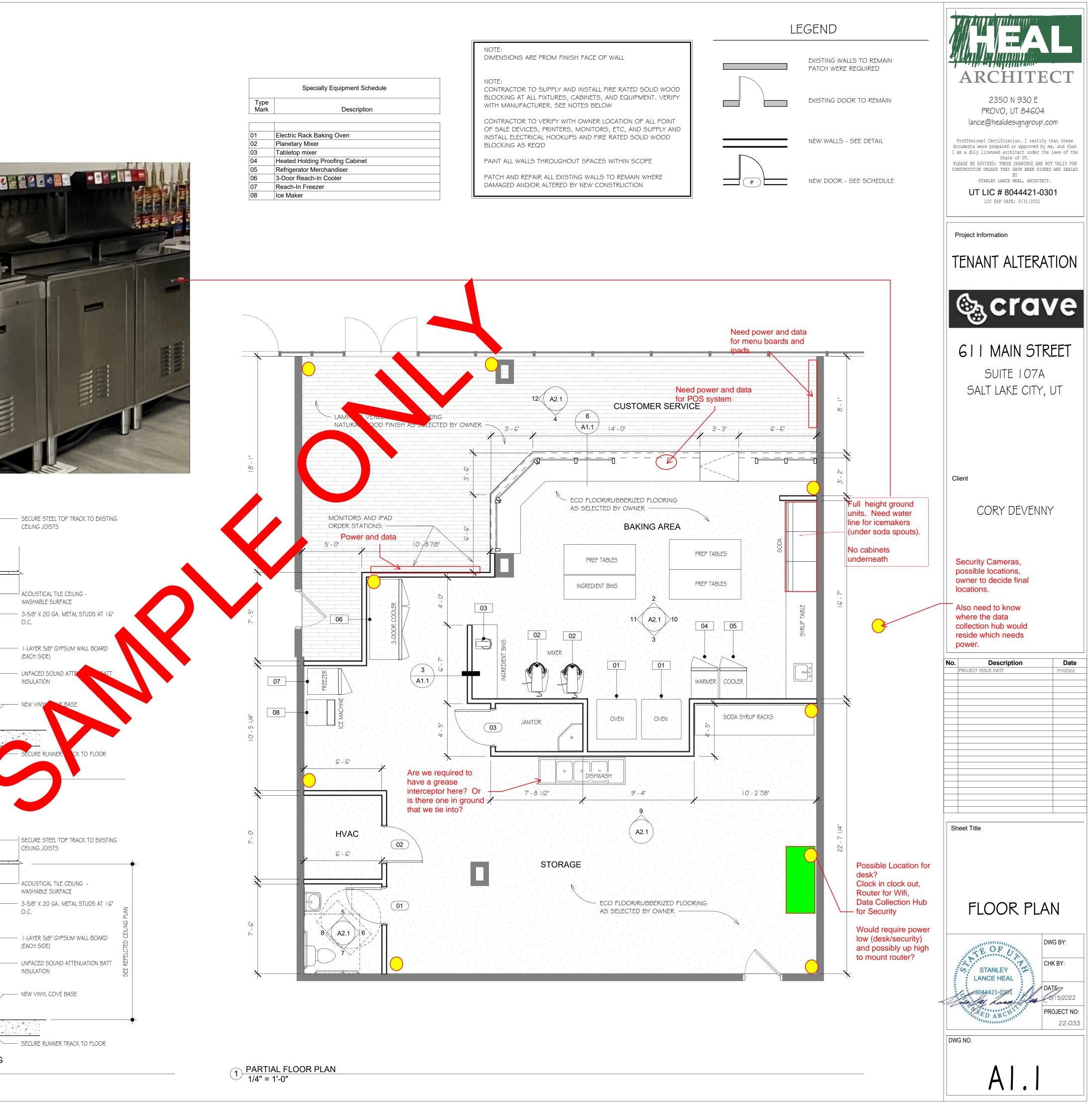
I. INTERIOR HINGED DOOR: 5.0 POUNDS MAX 2. SLIDING OR FOLDING DOOR 5.0 POUNDS MAX

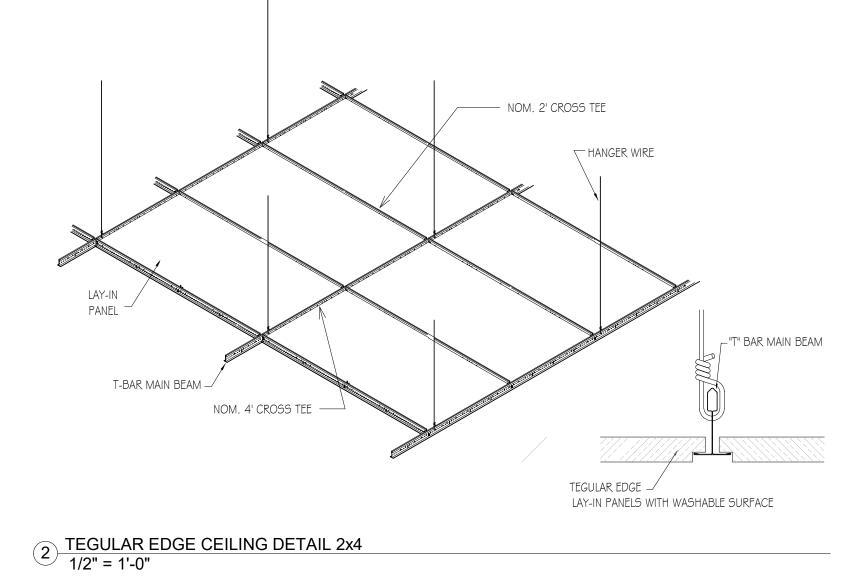








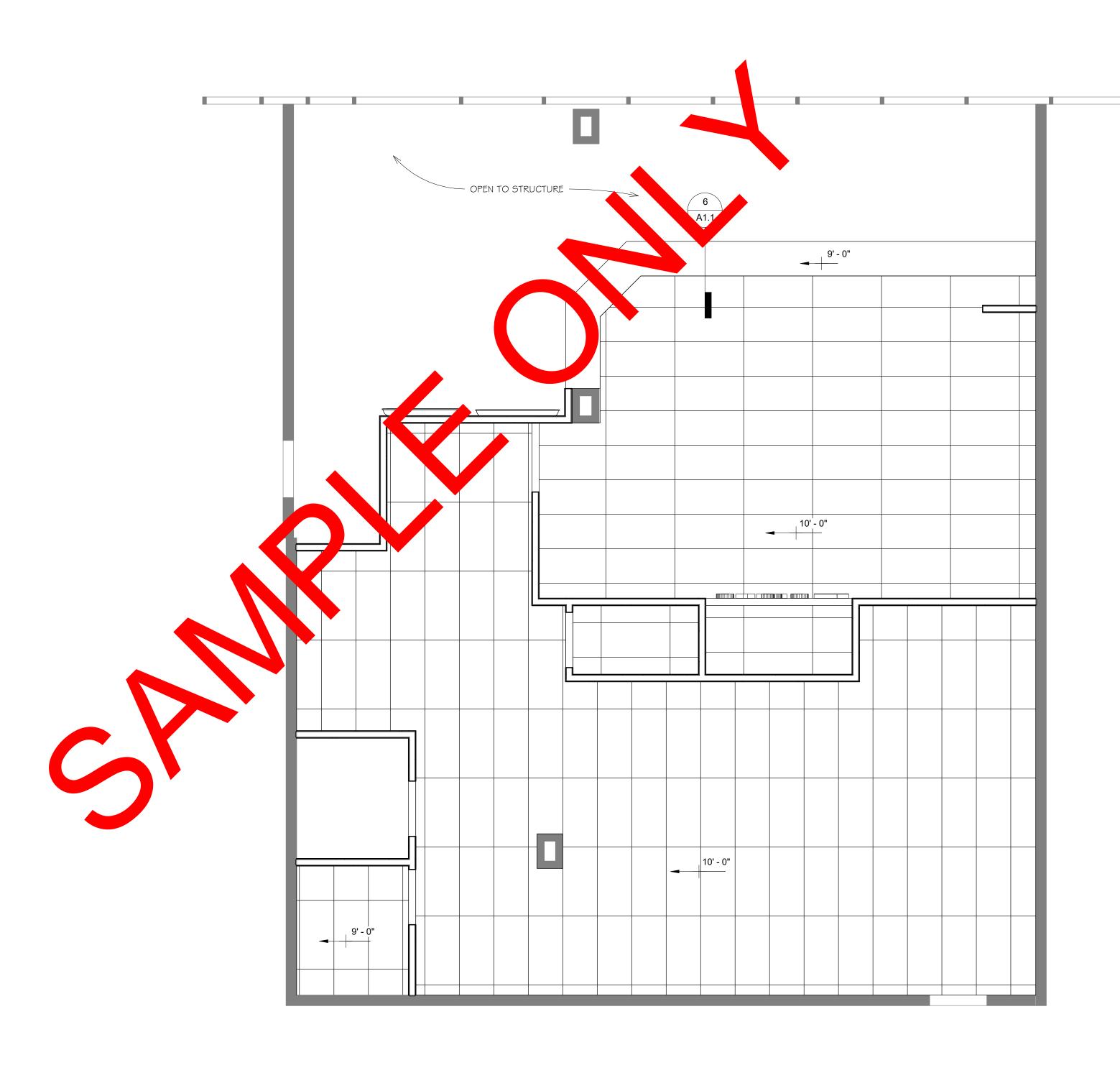


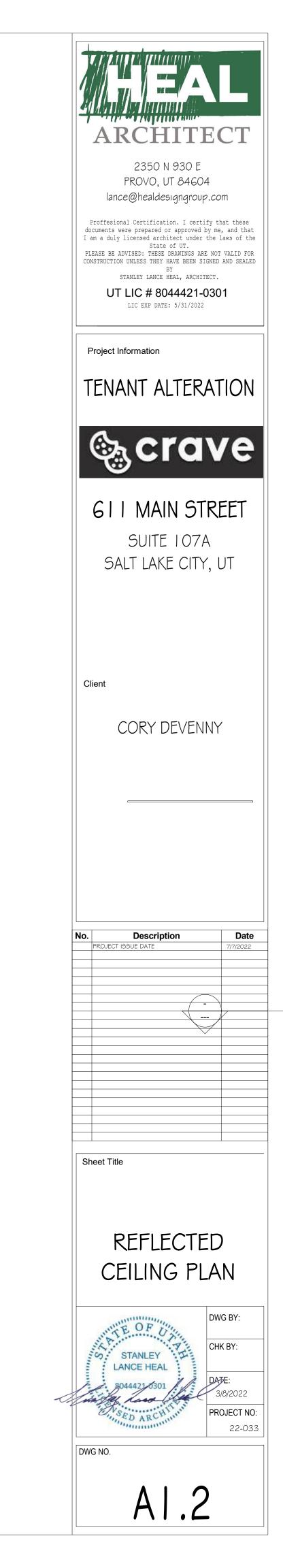


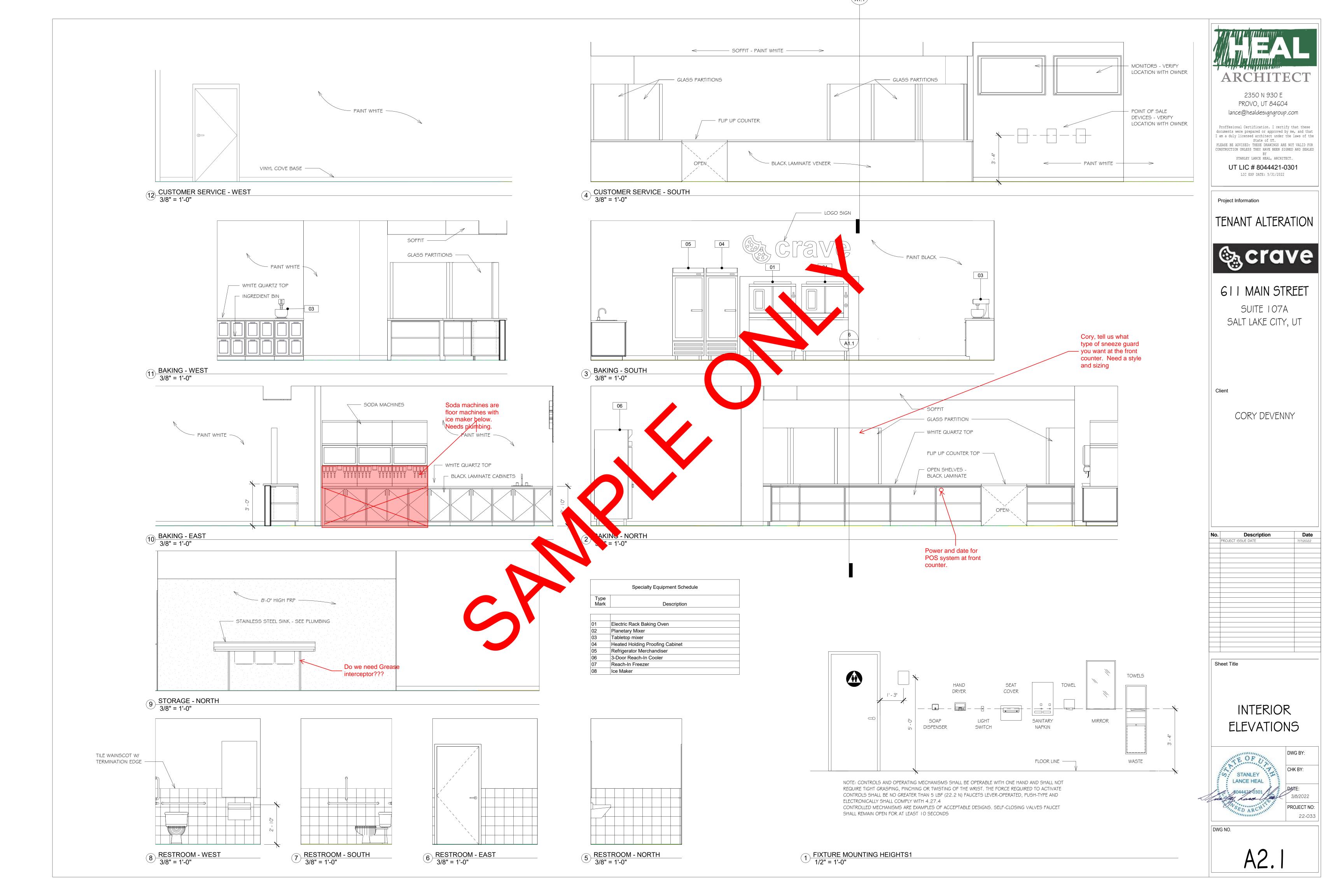
CONTRACTOR/SUBCONTRACTOR TO VERIFY LOCATION OF MONITORS WITH OWNER AND SUPPLY AND INSTALL SOLID WOOD BLOCKING AS REQUIRED

REFER TO ELECTRICAL DRAWINGS FOR EXITING AND EMERGENCY LIGHTING CONTRACTOR/SUBCONTRACTOR TO VERIFY LOCATION OF EQUIPMENT WITH PROVIDER AND SUPPLY AND INSTALL SOLID WOOD BLOCKING AS REQUIRED

NOTE: REFER TO MECHANICAL DRAWINGS HVAC REGISTER/DIFFUSER LOCATIONS







ABBREVIATIONS

AC	ACCESS COVER AIR CONDITIONING	EWC	ELECTRIC WATER COOLER
AD	ACCESS DOOR	EWT	
		EXT	EXISTING
AFF AH	ABOVE FINISHED FLOOR	F FB	FURNACE FAN POWERED VAV BOX
АР	ACCESS PANEL	FC	FAN COIL UNIT
AP	AUTOMATIC TEMPERATURE CONTROL	FD	FLOOR DRAIN
AUTO	AUTOMATIC TEMPERATURE CONTROL	ΓU	FIRE DAMPER
AUTO	AIR ADMITTANCE VALVE	FH	FIRE HYDRANT
AW	AIR WASHER	FL	FILTER
B	BOILER	FLR	FLOOR
BB	BASEBOARD	FOB	FLAT ON BOTTOM
BDD	BACKDRAFT DAMPER	FOS	FLAT ON SIDE
BFP	BACKFLOW PREVENTOR	FOT	FLAT ON TOP
BLD	BUILDING	FP	FIREPLACE
		FS	FLOOR SINK
BOD		FSD	FIRE/SMOKE DAMPER
BOU		FU	FIXTURE UNIT
BTU	BRITISH THERMAL UNIT	GA	GAUGE
BTUH	BRITISH THERMAL UNIT PER HOUR	GC	GENERAL CONTRACTOR
CA	COMBUSTION AIR	GI	GREASE INTERCEPTOR
CC		GPM	GALLONS PER MINUTE
CD	CONDENSATE DRAIN CONSTRUCTION DOCUMENT	GRD	GRADE
CFH	CUBIC FEET PER HOUR	GT	GREASE TRAP
CFM	CUBIC FEET PER MINUTE	GW	GREASE WASTE
СН	CHILLER	HB	HOSE BIBB
CHWR	CHILLED WATER RETURN	HDR	HEADER
CHWS	CHILLED WATER SUPPLY	HE	HEAT EXCHANGER
CI	CAST IRON	HP	HEAT PUMP
CL	CENTER LINE	HTR	HEATER
CLG	CEILING	HU	HUMIDIFIER
CLR	CLEAR	HVAC	HEATING, VENTILATING & AIR
СО	CLEAN OUT	HW	HOT WATER
CONN	CONNECTION	HWR	HOT WATER RETURN
СР	CIRCULATING PUMP	HWS	HOT WATER SUPPLY
CR	CONDENSATE RETURN	IE	INVERT ELEVATION
СТ	COOLING TOWER	IH	INTAKE HOOD
CU	CONDENSING UNIT	INSUL	INSULATION
	COPPER	L	LOUVER
CW	COLD WATER	LAT	LEAVING AIR TEMPERATURE
CWR	CONDENSER WATER RETURN	LAV	LAVATORY
CWS	CONDENSER WATER SUPPLY	LPG	LIQUEFIED PETROLEUM GAS
DA	DILUTION AIR	MAX	MAXIMUM
DB	DRY BULB	MBH	THOUSAND BTU PER HOUR
DCW	DOMESTIC COLD WATER	MC	MECHANICAL CONTRACTOR
DF	DRINKING FOUNTAIN DUCT FURNACE	MD	MANUAL DAMPER
	DESTRATIFICATION FAN DOWN FLOW	MECH	MECHANICAL
DFU	DRAINAGE FIXTURE UNIT	MH	MANHOLE
DH	DUCT HEATER	MIN	MINIMUM
DHW	DOMESTIC HOT WATER	MU	MAKE-UP AIR UNIT
DIA	DIAMETER		NATURAL GAS
DM	DAMPER	NIC	NOT IN CONTRACT
DN	DOWN	NTS	NOT TO SCALE
DWG	DRAWING	OA	OUTSIDE AIR
EA	EXHAUST AIR		
EAT		OC OCEW	ON CENTER ON CENTER EACH WAY
EC	ELECTRICAL CONTRACTOR		
EC	EVAPORATIVE COOLER	ORD	
EF	EXHAUST FAN	Р	
EH		PH	PENT HOUSE
EI		PRV	PRESSURE REDUCING VALVE
EL	ELEVATION	P&TV	PRESSURE & TEMPERATURE
EQ		PSI	
ESP	EXTERNAL STATIC PRESSURE	PVC	POLYVINYL CHLORIDE
EW	EMERGENCY EYE WASH	QD	QUICK DISCONNECT

IC WATER COOLER	RA	RETURN AIR
NG WATER TEMPERATURE	RAG	RETURN AIR GRILLE
G	RD	ROOF DRAIN
E	RF	RELIEF AIR
WERED VAV BOX	RH	RELIEF HOOD RADIANT HEATER
IL UNIT	RI	ROUGH-IN
DRAIN MPER	RP	RADIANT PANEL
DRANT		RECIRCULATION PUMP
	RT	ROOFTOP UNIT
	RV	RELIEF VENT RELIEF VALVE
N BOTTOM	REQD	REQUIRED
N SIDE	SA	SUPPLY AIR
N TOP	SC	SELF CONTAINED UNIT
ACE	SD	STORM DRAIN
SINK	SEF	SMOKE EXHAUST FAN
IOKE DAMPER	SF	SUPPLY FAN
EUNIT	SP	STATIC PRESSURE
	SPEC	SPECIFICATION
AL CONTRACTOR	SS	STAINLESS STEEL
INTERCEPTOR	07	SANITARY SEWER
IS PER MINUTE	ST	SOUND TRAP
	STD	
TRAP	TAG	TRANSFER AIR GRILLE
WASTE	TOD TW	TOP OF DUCT THROUGH WALL UNIT
IBB	TYP	TYPICAL
R	UH	
KCHANGER	UR	URINAL
JMP	VAV	VARIABLE AIR VOLUME
R	VAV	VACUUM BREAKER
FIER	VD	VAV BOX
G, VENTILATING & AIR CONDITIONING	VTR	VENT THROUGH ROOF
TER	W/	WITH
TER RETURN	WA	WATER HAMMER ARRESTOR
TER SUPPLY	WB	WET BULB
ELEVATION	WC	WATER CLOSET
HOOD	WH	WATER HEATER
TION		
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JRE REDUCING VALVE		
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S PER SQUARE INCH		MECHANICAL SPECIFI
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AxB AxB 5 A"Ø 9 <u>ډ_____</u> -**\-**- \sum $[\times]$ $\left[\begin{array}{c} \\ \end{array} \right]$ \mathbf{E} 50 \square \bigcirc T S (H) \bigcirc ⊱___ A ____ ∽—CD—∽ ∽—CR—∽ Տ—CWR—հ ⊱—CWS—∽ ⊱−CHWR⊸ ∽CHWS ⊱—HWR— ⊱—HWS—հ ∽— G —→ ∽__0D___© ∽—RD—⊸ ⊱___ S ____ ⊱—SCW— ⊱—SHW—∽ ۶---۶ ⊱---- VTR

MECHANICAL SPECIFICATIONS (UNLESS NOTED OTHERWISE ON PLANS)

LOW PRESSURE RECTANGULAR DUCT

SUPPLY DUCT – SINGLE WALL SHEET METAL WITH 1" LINER RETURN DUCT – SINGLE WALL SHEET METAL WITH 1" LINER EXHAUST DUCT – SINGLE WALL SHEET METAL OUTSIDE AIR DUCT – SINGLE WALL SHEET METAL WITH 1" LINER

LOW PRESSURE ROUND DUCT

SUPPLY DUCT – SINGLE WALL SHEET METAL WITH 1-1/2" INSULATION WRAP RETURN DUCT - SINGLE WALL SHEET METAL WITH 1-1/2" INSULATION WRAP EXHAUST DUCT – SINGLE WALL SHEET METAL COMBUSTION AIR DUCT – SINGLE WALL SHEET METAL

OUTSIDE AIR DUCT - SINGLE WALL SHEET METAL WITH 1-1/2" INSULATION WRAP

LEGEND

BARE SHEET METAL RECTANGULAR DUCT,	۶—120° —	120° F. HOT WATER	
'A' AND 'B' ARE INSIDE CLEAR DIMENSIONS. 'A' IS WIDTH OF DUCT IN VIEW SHOWN.	۶140°۶	140° F. HOT WATER	SHEET NUMBER/DF
1" LINED SHEET METAL RECTANGULAR DUCT, OR	ss	OXYGEN	MECHANICAL PLANS
1" FIBERGLASS DUCT, SEE DRAWINGS FOR TYPE, 'A' AND 'B' ARE INSIDE CLEAR DIMENSIONS.	<u>جـــــــــــــــــــــــــــــــــــ</u>	VACUUM	M001 TITLE SHEET LEGEND & ABBREVIATIONS
'A' IS WIDTH OF DUCT IN VIEW SHOW.	۶──160° — ۲	160° F. HOT WATER	
1 1/2" WRAPPED SHEET METAL RECTANGULAR DUCT, 'A' AND 'B' ARE INSIDE CLEAR DIMENSIONS.	sfs	BUTTERFLY VALVE	M201 MECHANICAL PLANS
'A' IS WIDTH OF DUCT IN VIEW SHOW.	s	BALL VALVE	M701 MECHANICAL DETAILS & SCHEDULES
BARE SHEET METAL ROUND MEDIUM OR LOW PRESSURE DUCT, A"Ø IS DIAMETER.	∽─⋈─∽ ∽─₹∖──∽	GATE VALVE CHECK VALVE	
1 1/2" WRAPPED ROUND MEDIUM OR LOW	s₹\$	PLUG VALVE	
PRESSURE DUCT, A"Ø IS DIAMETER.	<u>, ₽</u> ,	PRV	
INSULATED ROUND FLEXIBLE DUCT, 5 FEET MAXIMUM.	\sim	2-WAY AUTO VALVE	
	<u>ب للا</u> ب	3-WAY AUTO VALVE	
	ç₽\$ \$\$	THERMOMETER	
	çç Ş ───\$	GAUGE	
RETURN, EXHAUST, OR OUTSIDE AIR DUCT RISER	<u></u>	UNION STRAINER	
RETURN, EXHAUST, OR OUTSIDE AIR DUCT DROP	ç&,	BALANCING VALVE	
ROUND DUCT DROP	<u>بے کیا ہے</u>	RELIEF VALVE	
ROUND DUCT RISER	5	BACKFLOW PREVENTER	
MANUAL VOLUME DAMPERS (SQUARE OR ROUND)	sXs	PIPE ANCHOR	E JILDING UTILIT
MOTORIZED DAMPER OR FIRE/SMOKE DAMPER	⊊ ► 5	DIRECTION OF FLOW	
DUCT ACCESS DOOR	<u>به الم</u>	EXPANSION JOINT	
INTAKE LOUVER WITH BIRDSCREEN	∽— <u>छ</u> —, ,	FLEXIBLE CONNECTION	UTILITY SIZING SCHEDULE
EXHAUST LOUVER WITH BIRDSCREEN	,	PIPING ELBOW DROP	DOMESTIC WATER WASTE
FIRE DAMPER	Q\$	PIPING ELBOW RISER	TAG COLD HOT COMBINED DFU'S TOTAL
RECTANGULAR ELBOW WITH TURNING VANES	⊱ – SS – →	UNDERGROUND SANITARY SEWL	FU'S TOTAL FU'S TOTAL FU'S TOTAL
SLOT DIFFUSER	∽—SS—∽	ABOVE GROUND SANITARY SEWER	
SQUARE DIFFUSER	<u>ب</u>	UNDERGROUND	
DUCT MOUNTED GRILLE (RECTANGULAR)	5	UNDERGROU HOT WATER (120° F.	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
BARE SHEET METAL ROUND MEDIUM OR LOW	<u>ډ</u>	ABOVE GROUP COLD WATER	FD 3 - - - - 2 6
ROUND DIFFUSER	ے۔ ۔۔ <u>_</u>	ABOVE GROUN DT WATER HOSE BIBB	
24x24 RETURN AIR GRILLE	∽SS⊜	FLOOR DRAIN	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$
24x12 RETURN AIR GRILLE	⊱SS⊠	FLOR SINK	HS 1 1.5 1.5 1.5 2 2 2 2
THERMOSTAT OR SENSOR	¢	IRE HYDRANT	
SWITCH		GLOBE VA	$\begin{array}{ c c c c c c }\hline K \\ \hline 1 \\ \hline 3 \\ \hline 4 \\ \hline 4 \\ \hline 4 \\ \hline - \\ - \\ \hline - \\ \hline \end{array}$
HUMIDITY SENSOR	s h s	CONTRACTION OFF SIDE	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$
CLEAN OUT	it i		
COMPRESSED AIR		CONNECTION OFF TOP WATER HAMMER ARRESTER	$\begin{array}{ c c c c c c c c } \hline DF \\ \hline 1 \\ \hline 0.25 \\ \hline 0.5 \\$
CONDENSATE DRAIN	5	CAPPED END	TOTAL DOMESTIC WATER FIXTURE UNITS 23.25
CONDENSATE RETURN			GPM PER TABLE E102 21
CONDENSER WATER RETURN			WATER SIZING PER FIGURE E103C 1 1/2" EXISTING WATER SIZE 2"
CONDENSER WATER SUPPLY			EXISTING WATER SIZE 2
CHILLED WATER RETURN			TOTAL DRAINAGE FIXTURE UNITS 39.5
CHILLED WATER SUPPLY			WASTE SIZING PER TABLE 710.1(1) 4"
HOT WATER PEOIRCULATION LINE			
HOT WATER SURVY			
AL GAS			
OVERFLOW POOF DR			
DRAIN			
STEAM			
- WATER			
SOFT HOT WATER			
VENT LINE			
VENT THROUGH ROOF			

MATERIAL SPECIFICATIONS

BELOW GRADE DUCT (ROUND AND RECTANGULAR) SUPPLY DUCT – SINGLE WALL SHEET METAL WITH PVS COATING RETURN DUCT - SINGLE WALL SHEET METAL WITH PVS COATING

FLUE PIPING

SINGLE WALL – ALUMINUM SINGLE WALL (SEE DRAWINGS FOR LOCATIONS) DOUBLE WALL – ALUMINUM B-VENT PIPE

PLUMBING SPECIFICATIONS (UNLESS NOTED OTHERWISE ON PLANS) ABOVE GRADE PIPING

SANITARY WASTE – SCH40 PVC DWV PIPE WITH SOLVENT GLUED DWV FITTINGS SANITARY VENT – SCH40 PVC DWV PIPE WITH SOLVENT GLUED DWV FITTINGS DOMESTIC COLD WATER, ≤ 1-1/2"ø – BLUE PEX TUBING WITH POLYALLOY CRIMPED FITTINGS DOMESTIC COLD WATER, ≥ 2"Ø – CPVC PIPE WITH GLUED FITTINGS OR AQUATHERM PIPE DOMESTIC HOT WATER – RED PEX TUBING WITH POLY ALLOY CRIMPED FITTINGS

WITH 1" FIBERGLASS INSULATION CONDENSATE DRAINS (INSIDE) - SCH40 PVC WITH SOLVENT CEMENT JOINTS CONDENSATE DRAINS (OUTSIDE) - TYPE 'M' CU TUBING WITH SOLDER JOINTS NATURAL GAS, ≤ 2"ø – SCH40 BLACK PIPE WITH THREADED JOINTS NATURAL GAS, ≥ 2-1/2"ø – SCH40 BLACK PIPE WITH WELDED JOINTS ROOF DRAINS – SCH40 PVC DWV PIPING WITH SOLVENT GLUED DWV FITTINGS ROOF DRAINS (RETURN AIR PLENUM) - CAST IRON PIPING

DRAWING INDEX

IMBER/DRAWING TITLE

PLUMBING PLANS

P201 PLUMBING PLANS P202 ROOF PLUMBING PLAN

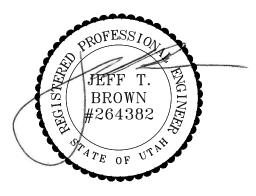
P701 PLUMBING DETAILS & SCHEDULES

JTILITY INFORMATION

		1	[
JL	E		N	AT	GAS SI	IZING	SCHED	ULE
WA	STE				EQUIPME	EQUIPME	NT INPUT	
	TOTAL		TAG	QTY	BTU	/HR	CUBIC F	EET/HR
OFU'S TOTAL				EACH	TOTAL	EACH	TOTAL	
4	8		F 1	1	60.000	60.000	67	67
2	4		F 2	1	80.000	80.000	90	90
0			TC	OTAL IN	IPUT - BTU/HR	140,000		
2	6			BTU/HF	R*CUBIC FOOT	890		
2	6							
					TOTAL EQUIP	MENT INPUT - CU	JBIC FEET/HR	157
2	2					PRESSURE A	T THE METER	4 OZ
2				DISTA	NCE FROM METE	ER TO FURTHES	T EQUIPMENT	100'-0"
					NATU	RAL GAS LINE SI	ZE AT METER	1"
-	-		L					

GENERAL NOTES

- THESE DRAWINGS WERE PREPARED USING THE 2018 IBC. 2018 IMC. 2018 IPC, 2018 IFGC, AND THE 2018 IECC. B) ALL INSTALLATIONS SHALL BE PER THE 2018 IBC, 2018 IMC, 2018 IPC, 2018 IFGC. AND THE 2018 IECC.
-) THESE DRAWINGS ARE TO SHOW THE GENERAL CONCEPT OF THE SYSTEMS. FIELD VERIFY ALL LOCATIONS AND COORDINATE EXACT ROUTING WITH ALL TRADES.
-) REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF PLUMBING FIXTURES, LIGHTS, CEILING DIFFUSERS, AND FIRE SPRINKLERS.
- E) ALL DUCT SIZES LISTED IN THESE DRAWINGS ARE INSIDE CLEAR DIMENSIONS UNLESS NOTED OTHERWISE.
-) SLOPE ALL HORIZONTAL SANITARY WASTE AND VENT PIPING A MINIMUM OF A 1/4" PER FOOT FOR 2 1/2" AND SMALLER, 1/8" PER FOOT FOR 3" TO 6", AND 1/16" FOR 8" AND LARGER.
- 6) SLOPE ALL HORIZONTAL ROOF DRAINAGE PIPING A MINIMUM OF A 1/8" PER FOOT UNLESS NOTED OTHERWISE.
- I) ALL MATERIALS INSTALLED IN AN AREA ABOVE THE CEILING DESIGNATED AS A RETURN AIR PLENUM MUST BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84.
- ALL UNDERGROUND DUCT SHALL SLOPE TO ALLOW DRAINAGE TO A POINT PROVIDED WITH ACCESS.
- PROVIDE CLEANOUTS EVERY 100 FEET ON HORIZONTAL WASTE LINES, EVERY CHANGE OF DIRECTION GREATER THAN 45°, AT THE BASE OF WASTE STACKS, AND NEAR THE POINT THE SEWER ENTERS THE BUILDING.
- SEISMIC RESTRAINTS ARE REQUIRED PER 2018 IBC. ENGINEERING AND RESTRAINT SELECTION ARE THE RESPONSIBILITY OF THE MECHANICAL AND PLUMBING CONTRACTORS.
-) FIRESTOPPING DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR.
- N) FIRESTOPPING DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR.
- D) AS-BUILT DRAWINGS SHALL BE PROVIDED TO THE OWNER OR OWNERS REPRESENTATIVE WITHIN 90 DAYS OF CERTIFICATION OF OCCUPANCY.
- P) O&M MANUALS FOR THE PROJECT SHALL BE PROVIDED TO THE OWNER OR OWNERS REPRESENTATIVE WITHIN 90 DAYS OF CERTIFICATION OF OCCUPANCY AND INCLUDE THE FOLLOWING ITEMS: EQUIPMENT SUBMITTALS, MANUFACTURES O&M'S, NAME AND ADDRESS OF AT LEAST ONE SERVICE AGENCY, HVAC AND SERVICE HOT WATER CONTROLS MAINTENANCE AND CALIBRATION INFORMATION, AND A NARRATIVE OF HOW EACH PIECE OF EQUIPMENT IS TO OPERATE INCLUDING SETPOINTS.
- 2) PROVIDE AIR AND WATER BALANCING REPORTS TO BUILDING INSPECTOR PRIOR TO FINAL INSPECTION.
- R) PIPE EXPANSION JOINTS IN THE VERTICAL RISERS AND HORIZONTAL RUNS ARE THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR. FOLLOW THE INSTALLATION RECOMMENDATIONS FOR EACH PIPE MANUFACTURE. EXPANSION JOINTS SHOWN IN THE DRAWINGS ARE MINIMUM REQUIREMENTS AND WILL VARY BASED ON ACTUAL PIPE ROUTING. IF DESIGN ASSISTANCE IS NEEDED PLEASE CONTACT JTB.



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611 S MAIN STREET SALT LAKE CITY, UTAH

SHEET NUMBER

DRAWING TITLE: TITLE SHEET 22.248 08/12/2022 JH

NTS

BELOW GRADE PIPING

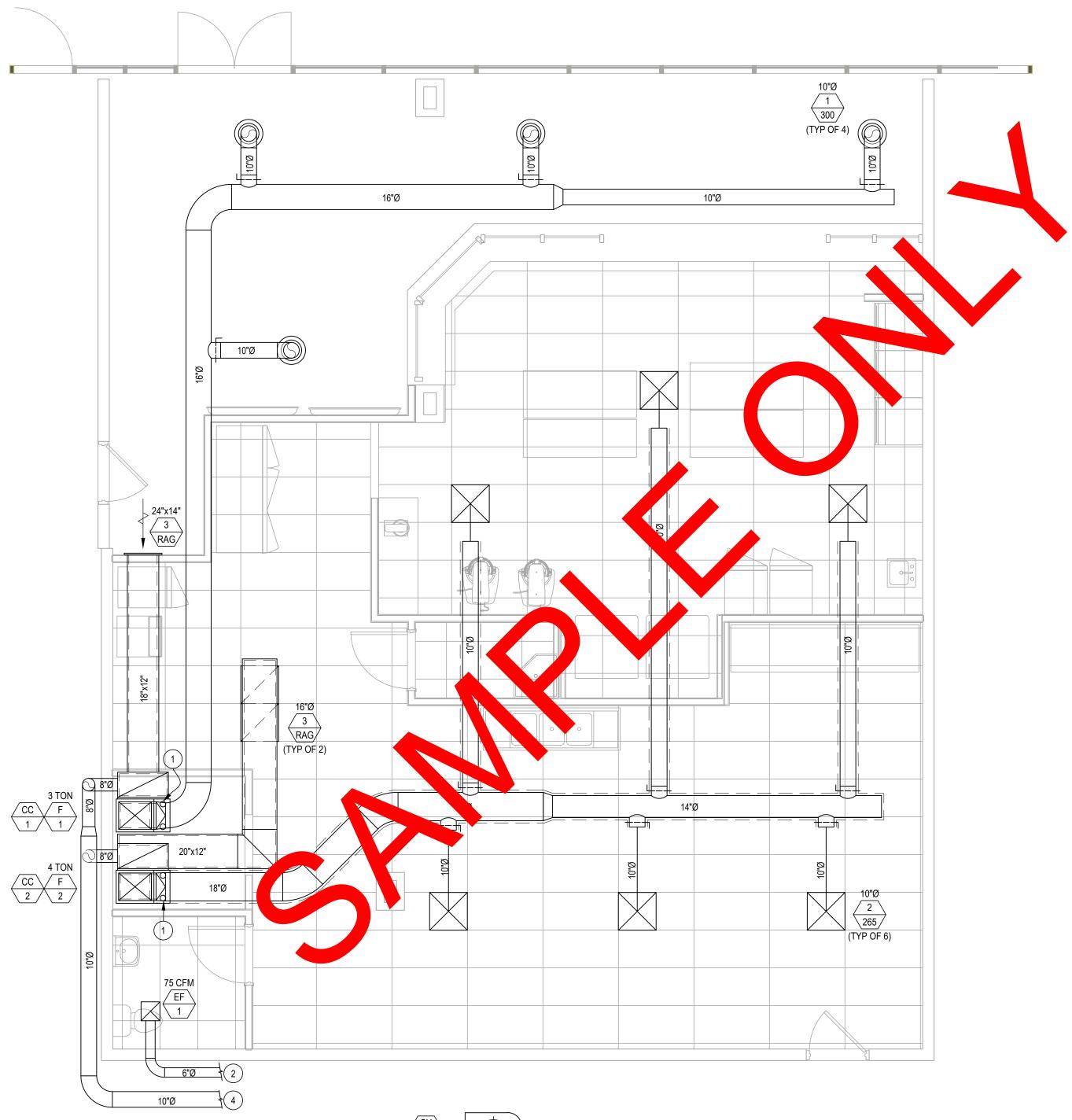
SANITARY WASTE - SCH40 PVC DWV PIPE WITH SOLVENT GLUED DWV FITTINGS ROOF DRAINS – SCH40 PVC DWV PIPING WITH SOLVENT GLUED DWV FITTINGS DOMESTIC WATER - TYPE 'K' COPPER TUBING WITH LEAD-FREE SOLDER JOINTS

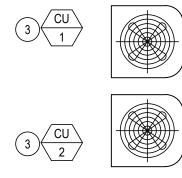
DOMESTIC PIPING INSULATION

1" FIBERGLASS INSULATION FOR PIPING ≤ 1-1/4"ø 1-1/2" FIBERGLASS INSULATION FOR PIPING ≥ 1-1/2"ø

DATE: DRAWN BY: SCALE:

JOB NO:

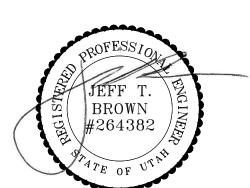






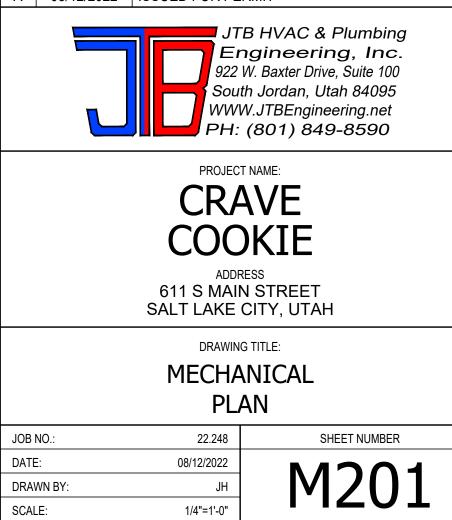
KEYED NOTES

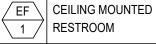
- 1 3" COMBUSTION & FLUE TO FAST WALL ABOVE TRASH. MAINTAIN 10'-0" FROM O.A. INTAKE.
- 2 6"Ø EXHAUST TO EAST WALL ABOVE TRASH ENCLOSURE. PROVIDE WEATHER CAP & BIRD SCREEN. MAINTAIN 10'-0" FROM O.A. INLET.
- 3 CONDENSING UNIT ON PAD IN DESIGNATED AREA FOR FUTURE TENANT. SEE SHELL PLANS.
- 4 ROUTE 10"Ø O.A. TO WALL LOUVER NEXT TO BONNIE & CLYDE IN RETAIL "4" ON EAST WALL.



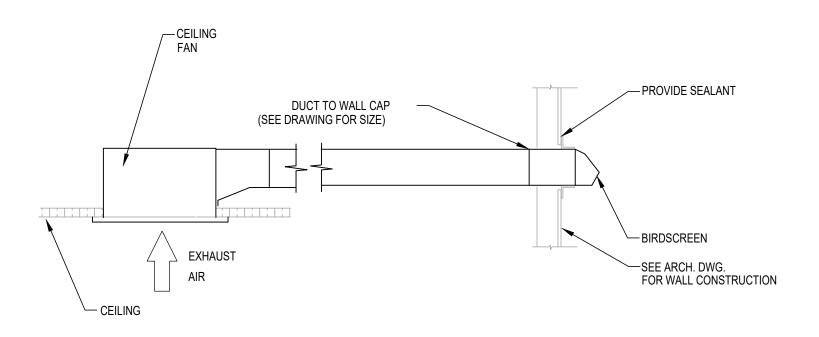
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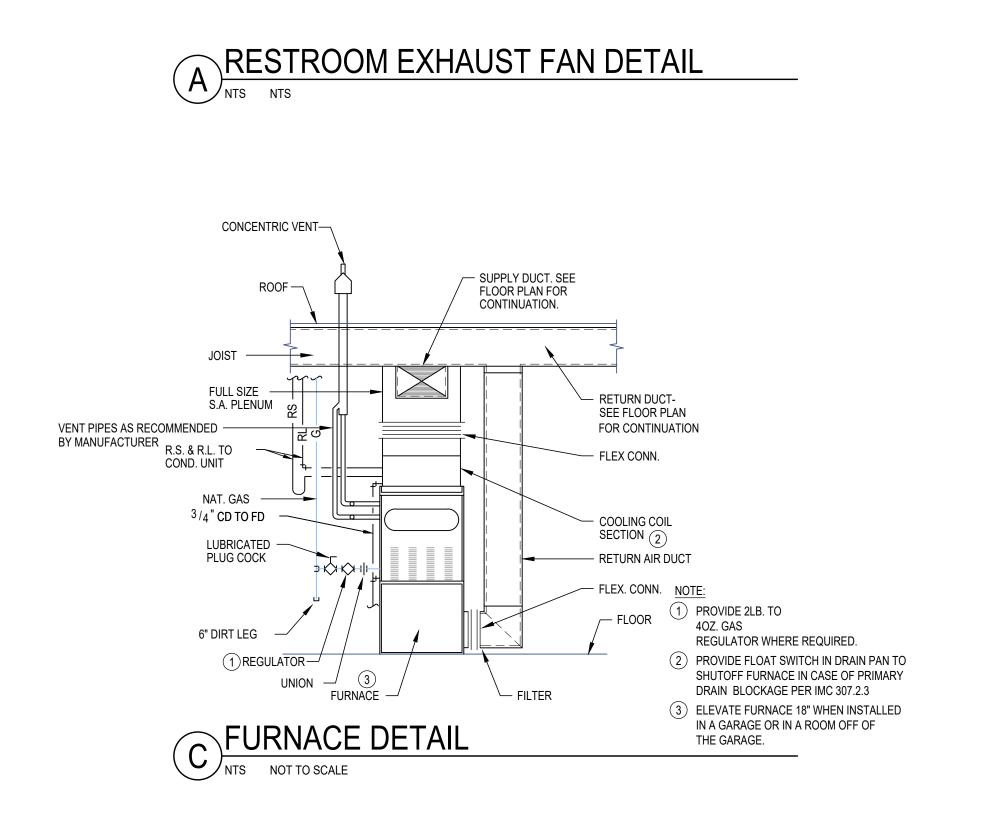
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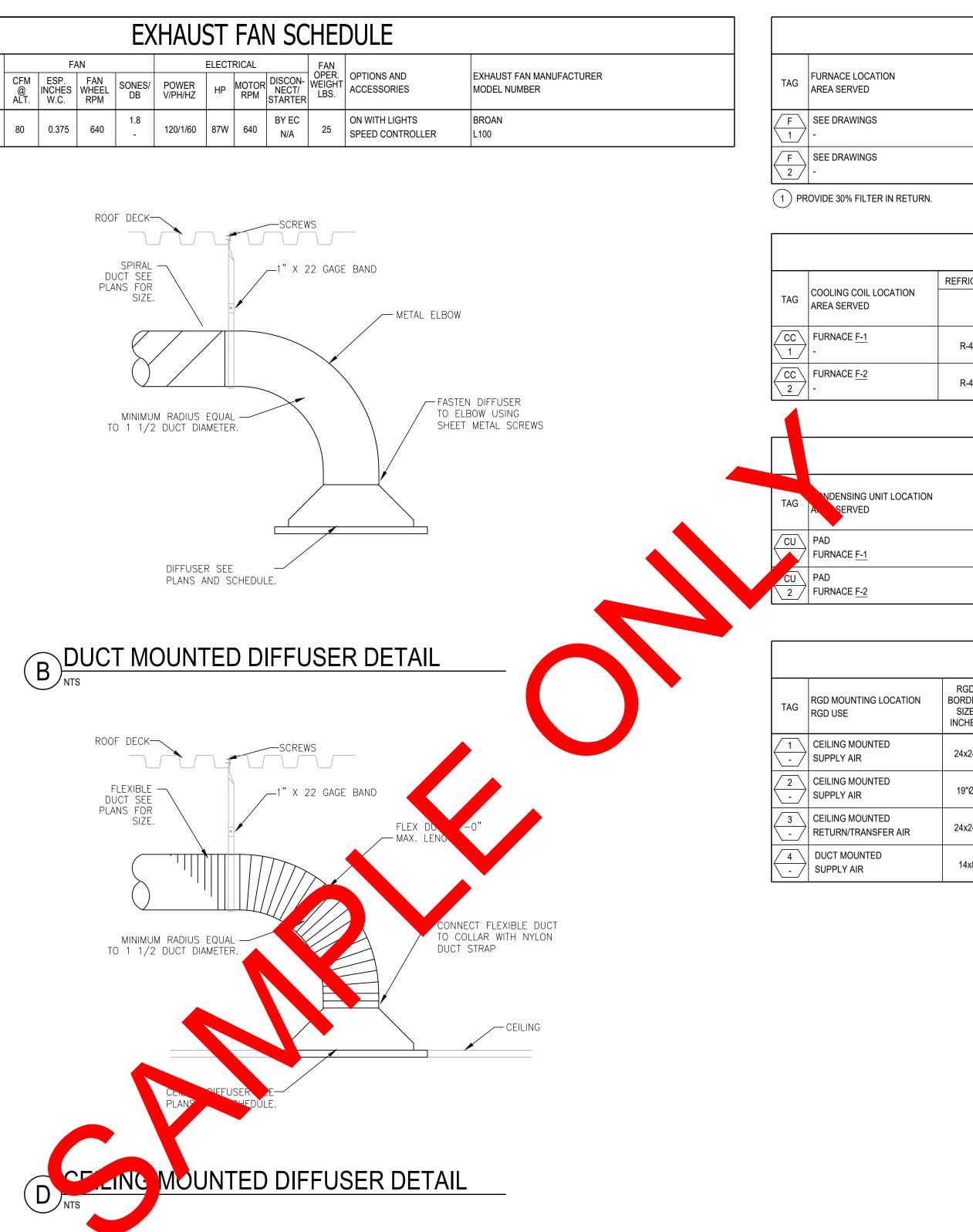












FURNACE SCHEDULE

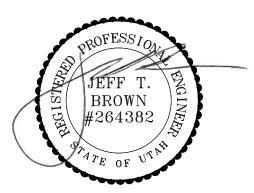
	HEATING CAPACITY FAN		N	E	ELECTR	RICAL		FLUE	GAS	GAS OPER.			
EFF./ POSITION	BT	-	CFM	ESP. INCHES	POWER	HP	MCA/	DISCON- NECT/	SIZE	CONN.	WEIGHT	EQUIPMENT MANUFACTURER	
	INPUT	OUTPUT at 4,200'	@ 4,200'	W.C.	V/PH/HZ	1 IF	FUSE	STARTER	inches	inches	ius.		
95+ VERT	60,000	49,880	1,200	0.5	115/1/60	-	9.6 15	BY EC N/A	3	1-3/4	140	CARRIER (59SC5B060E17	1)
95+ VERT	80,000	59,280	1,600	0.5	115/1/60	-	12.3 20	BY EC N/A	3	1-3/4	160	CARRIER (59SC5B080E21	1)

	DX COOLING COIL SCHEDULE													
RIGERANT	СС	DOLING CA	PACITY		AI	R	PHYSI			SICAL PROPERTIES				
	BTI	UH		JR VB °F	CFM @	PD IN.		INECTIC NCHES		FINS/	ROWS		OPER. WEIGHT	COOLING COIL MANUFACTURE MODEL NUMBER
	SENSIBLE	TOTAL	EAT	LAT	4,200'	IIN.	SUC.	LIQ.	DRAIN	IIN		SQFT	LBS.	
R-410A	29,920	29,920	80 62	56.91 54.24	1,200	0.5	1/2	3/8	3/4	-	-	-	55	CARRIER CNPVP3617ALA
R-410A	40,560	40,560	80 62	56.53 54.10	1,600	0.5	7/8	3/8	3/4	-	-	-	70	CARRIER CNPVP4821ALA

	CONDENSING UNIT SCHEDULE										
	NOMINAL TONS/ DB °F		ELECTRICAL				CONNECTION		REFRIGERANT	OPER.	
			POWER V/PH/HZ	HP	MCA/	DISCON- NECT/	SIZES inches			WEIGHT	CONDENSING UNIT MANUFACTURER MODEL NUMBER
	EFF.		V/PH/HZ		FUSE STARTER		SUCTION	LIQUID			
	3 14 SEER	98	208/1/60	-	18.8 30	BY EC N/A	1/2	3/8	R-410A	100	CARRIER 24AHA436A003
	4 14 SEER	98	208/1/60	-	26.1 40	BY EC N/A	7/8	3/8	R-410A	270	CARRIER 24ABC648A003

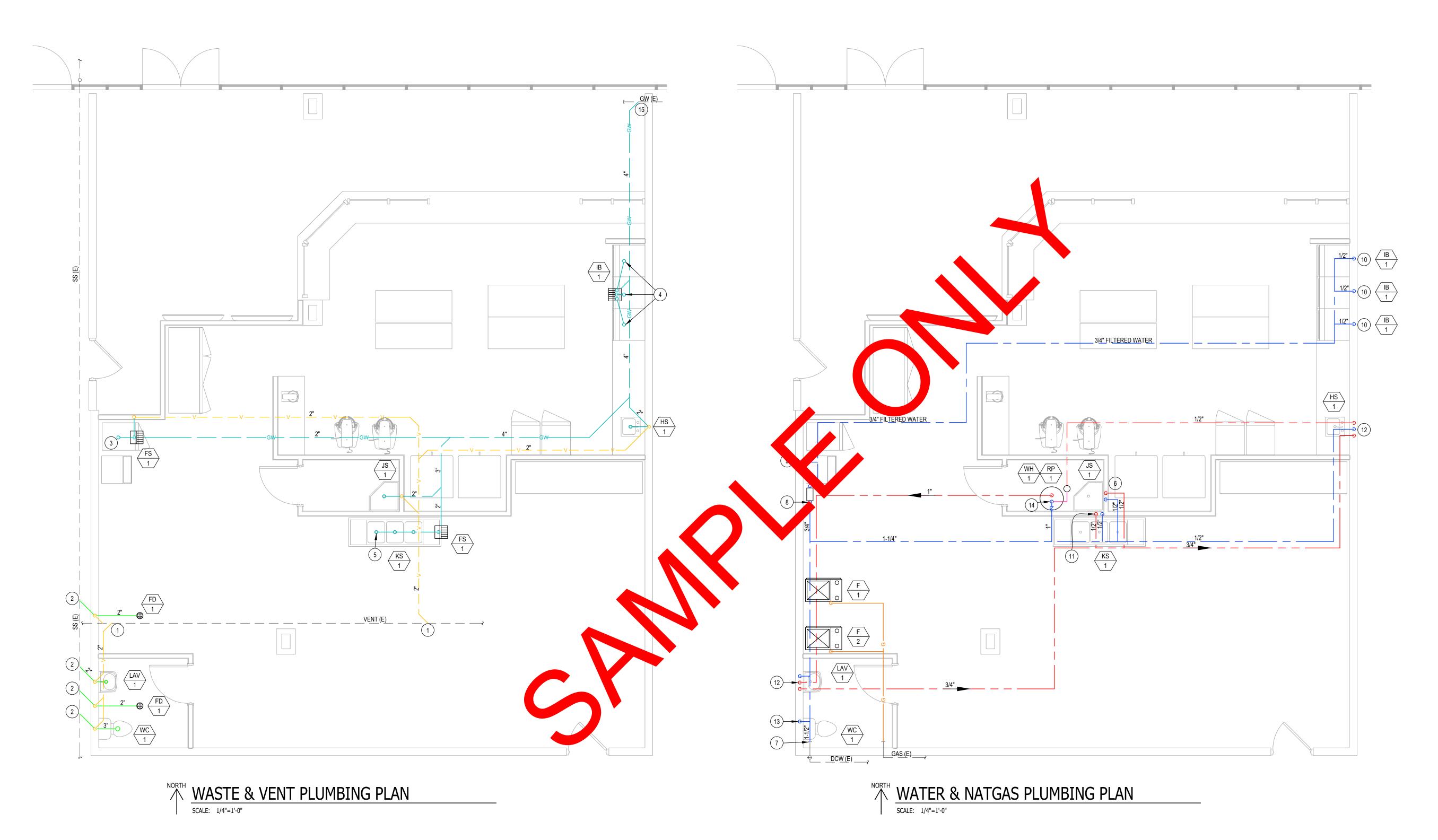
REGISTER, GRILLE, AND DIFFUSER SCHEDULE

.gd Rder IZE XHES	RGD NECK SIZE INCHES	RGD FACE STYLE	CEILING TYPE	RGD AIR PATTERN	RGD CONNECTION SIZE INCHES			RGD MANUFACTURER MODEL NUMBER
x24	10"Ø	LOUVER	T- BAR	4 WAY	10"Ø	WHITE	-	KRUEGER 1400
9"Ø	10Ø	ROUND	DUCT MOUNT	360°	120Ø	WHITE	-	KRUEGER RM1/5RM1
x24	-	PERF.	T- BAR	-	-	WHITE	INSULATED PLENUM -	KRUEGER 6790
4x8	12x6	LOUVER	-	2 WAY	12x6	WHITE	DOUBLE DEFLECTION -	KRUEGER 880



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	TTB HVAC & Plumbing Engineering, Inc. 922 W. Baxter Drive, Suite 100 South Jordan, Utah 84095 WWW.JTBEngineering.net PH: (801) 849-8590 PROJECT NAME: CRAVE COOKIE									
		ADDR 611 S MAIN SALT LAKE (N STREET							
	DRAWING TITLE: MECHANICAL DETAILS & SCHEDULES									
JOB N	NO.:	22.248	SHEET NUMBER							
DATE		08/12/2022								
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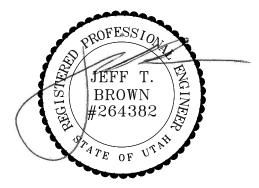


KEYED NOTES

- (1) CONNECT TO EXISTING VENT.
- (2) CONNECT TO EXISTING SS IN THIS AREA VERIFY IN FIELD.
- (3) DRAIN FROM ICE MAKER, DRAIN TO FLOOR SINK WITH 1" AIR GAP MIN.
- (4) DRAIN FROM SODA DISPENSER, DRAIN TO FLOOR SINK WITH 1" AIR GAP MIN.
- (5) DRAIN FROM 3-COMPARTMENT SINK, THEN DRAIN TO FLOOR SINK WITH 1" AIR GAP
- (6) 1/2" DCW & 1/2" DHW FROM HOT WATER LOOP TO JANITOR SINK.
- (7) CONNECT TO EXISTING 2" DCW.

MIN.

- 8 CONNECT TO WATER FILTER (DORMONT QTCLDBMX-3S-.5M) OR SIMILAR. VERIFY LOCATION FOR WATER FILTER WITH OWNER BEFORE INSTALLING.
- (9) 1/2" FILTERED DCW DROP DOWN WALL TO ICE MAKER. PROVIDE BOX IN WALL WITH SHUTOFF VALVE.
- (10) 1/2" FILTERED DCW DROP DOWN WALL TO SODA MACHINE. PROVIDE BOX IN WALL WITH SHUTOFF VALVE. (11) 1/2" DCW & 1/2" DHW FROM HOT WATER LOOP TO SINK.
- 12 1/2" DCW & 1/2" DHW FROM HOT WATER LOOP TO LAV. FULL SIZED DHW DOWN & UP, BRANCH WITHIN 2'-0" OF FIXTURE.
- (13) 3/4" DCW DROP DOWN WALL TOILET.
- (14) 1 1/4" DCW & DHW DOWN TO WATER HEATER.
- (15) CONNECT TO EXISTING GREASE WASTE LINE IN THIS AREA, VERIFY IN FIELD EXACT LOCATION.



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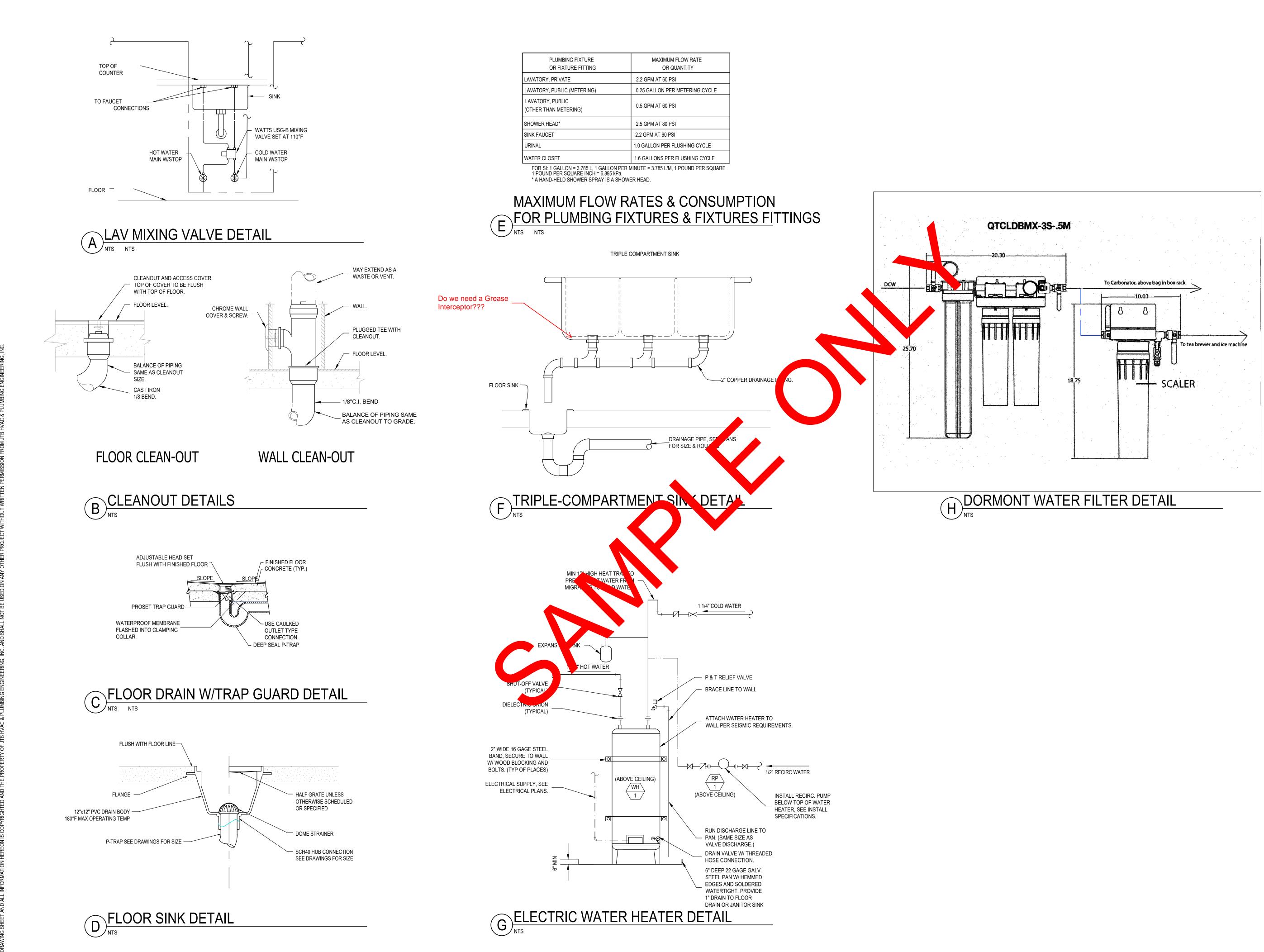
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1/4"=1'-0"

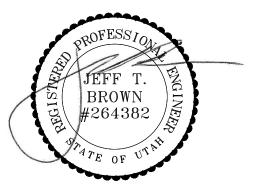
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SCALE:

P201



PLUMBING FIXTURE OR FIXTURE FITTING	MAXIMUM FLOW RATE OR QUANTITY
LAVATORY, PRIVATE	2.2 GPM AT 60 PSI
LAVATORY, PUBLIC (METERING)	0.25 GALLON PER METERING CYCLE
LAVATORY, PUBLIC (OTHER THAN METERING)	0.5 GPM AT 60 PSI
SHOWER HEAD*	2.5 GPM AT 80 PSI
SINK FAUCET	2.2 GPM AT 60 PSI
URINAL	1.0 GALLON PER FLUSHING CYCLE
WATER CLOSET	1.6 GALLONS PER FLUSHING CYCLE
FOR SI: 1 GALLON = 3.785 L, 1 GALLON PER N 1 POLIND PER SOLIARE INCH = 6.895 kPa	MINUTE = 3.785 L/M, 1 POUND PER SQUARE



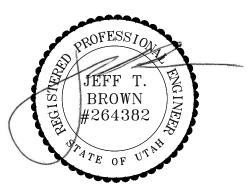
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		922 Sou WW PH: PROJEC CCC CCC ADDF 611 S MAII SALT LAKE DRAWIN	AVE DKIE RESS N STREET CITY, UTAH							
JOB N	NO.:	22.248	SHEET NUMBER							
DATE	:	08/12/2022								
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SCAL	E:	NTS								

			FIXTUR	E ROUGH-
TAG	FIXTURE TYPE MOUNTING LOCATION		TIC WATER	inches W
	WATER CLOSET-ADA FLOOR MOUNT-TANK	COLD 1/2"	HOT -	TRAP -
		1/2"	1/2"	1-1/4"
	FLOOR DRAIN -	-	-	2"
	FLOOR SINK -	-	-	2"
$\overline{\begin{pmatrix} K \\ 1 \end{pmatrix}}$	KITCHEN SINK 3-COMPARTMENT	1/2"	1/2	-
HS 1	HAND SINK WALL MOUNT	1/2"	1/2"	1 1/4
	ICE MAKER BOX -	1/2"	1/2"	-
WH 1	WATER HEATER ELECTRIC	3/4"	3/4"	-
	HOT WATER RECIR. PLOP ABOVE CEILING	-	3/4"	-
	WALL CLEANOUT NUMBER IS SIZE	-	-	-
FCO -	FLOOR CLEANOUT NUMBER IS SIZE	-	-	-
	JANITOR SINK	1/2"	1/2"	3"

PLUMBING SCHEDULE

ROUGH-IN SIZES nches WASTE & VENT			FINISH COLOR	ACCESSORIES AND COMMENTS	FIXTURE MANUFACTURER MODEL NUMBER
FRAP	VENT 2"	WASTE 4"	WHITE	BRASS CRAFT KWIK TURN STOPS PROFLO CHROME ESCUTCHEON BEMIS WHITE SEAT (1955C) RIGHT CHROME TRIP LEVER	
1-1/4"	2"	2"	WHITE	INSULATED P-TRAP COVER BRASS CRAFT KWIK TURN STOPS, WATTS LFUSG-B MIXING VALVE PROFLO 1 1/4" SS GRID STRAINER AND P-TRAP MOEN FAUCET (8800 CHROME)	
2"	2"	2"	NB		WATTS FD7-5R-2-PVC
2"	2"	2"	NB	WHITE PORCELAIN HALF TOP GRATE12"x12"ALUMINUM DOME STRAINER-	PROFLO PF906K
-	-	IND	SS		PROVIDED BY OWNER -
1 1/4	2"	2"	WHITE	INSULATED P-TRAP COVER REMOVABLE DRAIN BASKET PROFLO 1 1/4" SS GRID STRAINER AND P-TRAP GOOSENECK FAUCET (INCLUDED)	
-	-	-	WHITE	- 1/4 TURN VALVE	OATEY 39136
-	-	-	-	208 VOLT/(2) 4,500 WATT SIMULTANEOUS, 0.95 ENERGY FACTORT&P RELIEF VALVE40 GALLON TANK, THERM-X-TROL EXPANSION TANK (ST-12)HEAT TRAPS	
-	-	-	-	ELECTRICAL - 115V / 1Ø / 60 (1/25 HP, 0.7 AMPS) - HARDWIREDFLANGED CONNECTION2 GPM @ 10 FEET OF HEAD, AUTO SHUT OFF AND TIMERSUPPLY COMPANION FLANGES	
-	-	VARIES	-		JAY R. SMITH 4472T
-	-	VARIES	-	GASKET SEAL - BRONZE PLUG -	JAY R. SMITH 4101S
3"	2"	3"	WHITE	FIAT FAUCET (830-AA)FIAT MOP BRACKET (889-CC)FIAT HOSE AND BRACKET (832-AA)-	FIAT MSB-2424



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	922 W. Baxter Drive, Suite 100 South Jordan, Utah 84095 WWW.JTBEngineering.net PH: (801) 849-8590									
		CR/ COC 611 S MAI	AVE DKIE N STREET CITY, UTAH							
		DRAWIN	IG TITLE:							
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		_	DULES							
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1			LUMINAIRE SCHEDU	E					SYMBOL	ELECTRICAL DEVICE/FIXTURE DESCRIPTION	SYMBOL SCHE		G COMMENTS	
				VOLTS	LAMPS				• • • • • • • • • • • • • • • • • • •	LIGHT FIXTURE	SEE LIGHTING FIXTURE SCHEDULE	CEILING	(1) (2) (3)	
РЕ 1	DESCRIPTION 2'X4' LED TROFFER	MANUFACTURER	CATALOG NUMBER EPANL 2X4 4000LM 80 CRI 35K MIN1		Y MODEL D SUPPLIED W/UN	MOUNTING	G VA 39	NOTES		EMERGENCY LIGHT FIXTURE	SEE LIGHTING FIXTURE SCHEDULE	CEILING	(1) (2) (3) (4)	
E	2'X4' LED TROFFER W/EM. BAT.	LITHONIA	EPANL 2X4 4000LM 80 CRI 35K MIN1 E10WCP	MVOLT LEI	D SUPPLIED W/UN	IIT RECESSED	39		ΗØ	EXIT FIXTURE - WALL MOUNT	SEE LIGHTING FIXTURE SCHEDULE	WALL	(1) (2) (4)	412 2
	10"X4' LED SURFACE WRAP 10"X4' LED SURFACE WRAP W/EM. BAT.	LITHONIA LITHONIA	LBL4 3000LM 80CRI 35K MIN1 GZT LBL4 3000LM 80CRI 35K MIN1 GZT E10WLCP		D SUPPLIED W/UN D SUPPLIED W/UN		26 26		\otimes	EXIT FIXTURE - CEILING MOUNT	SEE LIGHTING FIXTURE SCHEDULE	CEILING	(1) (2) (4)	412 2 68 2 20 3 40 3 201 3 301 3 301 3 38A 4 48A 4 36A 5 46A 5
3	EXIT LUMINAIRE FOR REMOTE	EELP	XE-2-G-W-RC-SD	MVOLT LE	D INCLUDED	WALL 7'-6" AFF	- 5			1 CIRCUIT ECO DIMMING CONTROLLER	WATTSTOPPER LMRC-111		(11) (30) (32)	
4	EMERGENCY EXTERIOR REMOTE	EELP	RH1WP-LED-3.6V-P-SD	MVOLT LEI	D INCLUDED	WALL 7'-6" AFF	- 1	1		1 CIRCUIT DIMMING CONTROLLER	WATTSTOPPER LMRC-211		(11) (30) (32)	40
									204	2 CIRCUIT DIMMING CONTROLLER	WATTSTOPPER LMRC-212	ABOVE	(11) (30) (32)	
S.	THE FIXTURES LISTED IN THIS SCHEDULE RE	EPRESENT THE QUA	LITY AND TYPE OF FIXTURES DESIRED. EQUALS OF THOSE M.			s				3 CIRCUIT DIMMING CONTROLLER	WATTSTOPPER LMRC-213		(11) (30) (32)	28A4
	ARE ACCEPTED. FOR THOSE FIXTURES WIT	THOUT A MANUFACT	URE DESIGNATION IN THE REMARK COLUMN THE SUPPLIER M.	Y SUBMIT A FIXTURE	THEY BELIEVE	0				1 CIRCUIT SWITCHING CONTROLLER	WATTSTOPPER LMRC-101		(11) (30) (32)	
	TO BE EQUAL TO THE ONE SPECIFIED. TO E RECEIVE APPROVAL FROM THE ENGINEER		E FIXTURES SUBMITTED MUST BE OF THE SAME TYPE AND MA OR TO BID.	ERIAL AS THAT SPEC	CIFIED AND MUST				↓ F #	1 CIRCUIT FORWARD PHASE CONTROLLER	WATTSTOPPER LMRC-221		(30) (11)	26A 5
	WERED FROM ASSOCIATED EMERGENCY U	JNIT SEE DRAWING							*** 	DUAL TECHNOLOGY OCCUPANCY SENSOR	WATTSTOPPER LMDC-100	CEILING	(11)	
									4 4	MOTOR	SEE MECHANICAL SCHEDULE	SEE MECH 4' - 0"	(22)	
									م الاح الح	MANUAL MOTOR SWITCH SINGLE POLE SWITCH	SQ. D 2510-KG1 HUBBELL BS120W	4' - 0''	(8) (11)	24A 6 34A 6 44A 6 23A 3 33A 3 43A 5 22A 9
			EQUIF	MENT SC	HEDULE	Ē			ې د	WALL SWITCH OCCUPANCY SENSOR	WATTSTOPPER PW100	4' = 0 4'-0"	(6) (11) (7) (11)	
					ELECTRICAL				<u>+0</u>	WALL DIMMING OCCUPANCY SENSOR	WATTSTOPPER DW-311	4'-0"	(7) (11)	- <u>33A</u>
				DAD		DISCONNECT			\$# \$#	DIMMING SWITCH	WATTSTOPPER LMDM-101	4'-0"	(11) (32)	- <u>43A</u>
			K-1 Reach-in Freezer 115/1	KW) HP FLA 4.4	MCA MOCH	P SIZE/POLE	SIZE	NOTES 2	S#uci	SINGLE SWITCH, LM SYSTEM	WATTSTOPPER LMSW-101	4'-0"	(11) (32)	22A 9 32A 9
			K-2 Ice Maker 115/1	10.8				2	<u>+ wsi</u> \$#co	DOUBLE SWITCH, LM SYSTEM	WATTSTOPPER LMSW-102	4'-0"	(11) (32)	<u>42A</u>
			K-4 3-Door Reach-in Cooler 115/1	5.6				2	\$ws5	FIVE SCENE, LM SYSTEM	WATTSTOPPER LMSW-102	4'-0"	(11)	- <u>31A</u> 1 41A 1
			K-5 Tabletop Mixer 115/1 K-9 Planetary Mixer 208/1	1 10 2 12				2	<u>+ ₩S5</u>	DUPLEX RECEPTACLE, TR, GROUNDING TYPE	HUBBELL BR20WTR	18"	(6) (11)	310A 1
			K-10 Convection Oven 208/3	18				1,2	Ð	DUPLEX OUTLET, GROUNDING TYPE	HUBBELL BR20W	18"	(6) (11)	<u>410A</u> 1
			K-11 Heated Proofing Cabinet 120/1	1.5				2		DUPLEX OUTLET – GFI, TR	HUBBELL GFTRST20W	18"	(6) (11)	<u>320A</u> 1 420A 1
			K-12 Refrigerator Merchandiser 115/1	1/5 1.6				2	Ð	DUPLEX OUTLET – GFI	HUBBELL GF5352–IA	18"		330A 1
									-	DUPLEX USB OUTLET	HUBBELL USB20X2W	44"	(6) (11)	430A 1
			V/PH/Hz = VOLTAGE / PHASE / HERTZ							DOUBLE DUPLEX OUTLET	(2) HUBBELL BR20W	18"	(6) (11)	420A 1 330A 1 430A 1 240A 1 340A 1 440A 1
			MCA = MINIMUM CIRCUIT AMPACITY						€#	SINGLE PHASE SPECIAL OUTLET	NEMA – SUBSCRIPT MARKS TY		(6) (11)	440A 1
			MOCP = MAXIMUM OVER CURRENT PROTECTION	LISTED BY THE MA	ANUFACTURER						VOLTS AMPS OUTLET PLUG WIR 1. 125 30 5–30R 5–30P 3W	RE 18"	_	325A 2
			NOTES: 1) REQUIRES A 120V CONTROL CIRCUIT.								2. 250 20 6-20R 6-20P 3W 3. 250 30 L6-30R L6-30P 3W	V		425A 2 3-3A 2
			2) CONFIRM EXACT HEIGHT OF UNIT PRIOR TO F	DUGH-IN AND MAKE	E FINAL CONNEC	TION TO UNIT				1	4. 250 50 14-50R 14-50P 4W			4-3A 7
									0	JUNCTION BOX	4" x 4" SEE SPEC.	CEILING	(12)	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
						<u></u>				JUNCTION BOX	4" × 4" OR AS NOTED, S⊾ ∽⊾∪		2) MOUNT AS NOTED	$- \frac{433A}{3-4A} 2$
			MECHANIC	<u>AL EQUIP</u>	MENT S	CHEDU	LE			MULTI-MEDIA J-BOX	4" x 4" OR AS NOTED, SEE S.	18"		4-4A 2 350A 3 450A 3 440A2 3 480A 3 325A2 4 425A2 4
					ELECTRICAL					DISCONNECT SWITCH	SQUARE D - CONTRACTOR	- 0"	(8) (13)	
				AD W) HP FLA	MCA MOCF	DISCONNECT	FUSE SIZE	NOTES		FUSED DISCONNECT SWITCH	SQUARE P SENERAL DUTY		(8) (13)	
				087 PLA				2		PANEL BOARD	SEE PAN SCHEDULE	6'-6" TO T		
			CU-1 Condensing Unit 208/1		18.8 30	30/2	30	3		EQUIPMENT OTHER THAN MECHANICAL	SEE EQUIL ENT SCHEDULE			425A2 4
			CU-2 Condensing Unit 208/1 F-1 Furnace 115/1		26.1 40 9.6 15	60/2	40	3	<u> </u>	MECHANICAL EQUIPMENT	SEE MECHALIN SCHEDULE		 CND IN GROUND OR FLOOR	
			F-2 Furnace 115/1		12.3 20			4		CONDUIT TURNED UP			URNED DOWN	— (2) ALL ĆO
			RP-1Recirc Pump120/1WH-1Water Heater208/1	0.7				1		► CIRCUIT HOME RUN PANEL.	NDUCTORS INCLUDING THE EQU			EQUIPM
											UMBER OF ARROW HEADS INDICATE			PARALI
											Image: Second			"A" IND
							1		· · · · -	CAT5/CAT6 CABLE IN CONT	OR FP -AIR			"Y" INI
			V/PH/Hz = VOLTAGE / PHASE / HERTZ											CONDU CONDU
			MCA = MINIMUM CIRCUIT AMPACITY	ECTION LISTED BY	THE MANUFACT	URER				NDUIT AS DRAWN ON E PLANS. THE ONLY EX	AS ARE THOSE AUTHORIZED IN	WRITING BY TH	HE ENGINEER.	LEGEND:
			MCA = MINIMUM CIRCUIT AMPACITY MOCP = MAXIMUM OVER CURRENT PRO NOTES:							ITS SHALL INCLUDE AN PPMENT GROUND CONDU	OR SIZED PER NEC.	WRITING BY TH	HE ENGINEER.	I I# OF CONDU
			MCA = MINIMUM CIRCUIT AMPACITY MOCP = MAXIMUM OVER CURRENT PRO NOTES: 1) INSTALL CIRCUIT THROUGH AQUASTA	AND CONTROLS B	Y PC IF NEW PUN	MP INSTALLED.			ALL CONDU	NTS SHALL INCLUDE AN PRENT GROUND CONDU	COR SIZED PER NEC. REVIATIONS/NOTES E, AIC – AMPS INTERUPTING CAPACI	TY. BC – BAR	E COPPER.	# OF CONDUC COUNTING E
			MCA = MINIMUM CIRCUIT AMPACITY MOCP = MAXIMUM OVER CURRENT PRO NOTES: 1) INSTALL CIRCUIT THROUGH AQUASTA 2) SEE DRAWINGS FOR SWITCHING. WI 3) PROVIDE DISCONNECT AND FUSE SIZ	AND CONTROLS B' E IN SPEED CONTR D AS MAX LISTED B	Y PC IF NEW PUN ROLLER FURNISH BY MANUFACTUF	MP INSTALLED. IED BY MC. RER.			ALL CONDU AFF – ABC BFC – BEL	ITS SHALL INCLUDE AN OPPMENT GROUND CONDU DVE FINISHEFT LOUR, IS – ALL T FINISHEFT GRAD OW FINIST CEILING, IS – BELL FIN''LD GRAD	COR SIZED PER NEC. REVIATIONS/NOTES E, AIC – AMPS INTERUPTING CAPACI DE, CND. OR C. – CONDUIT, CLG – I	TY, BC – BAR NSTALLED IN (RE COPPER, CEILING,	COUNTING E
			MCA = MINIMUM CIRCUIT AMPACITY MOCP = MAXIMUM OVER CURRENT PRO NOTES: 1) INSTALL CIRCUIT THROUGH AQUASTA 2) SEE DRAWINGS FOR SWITCHING.	AND CONTROLS B' E IN SPEED CONTR D AS MAX LISTED B	Y PC IF NEW PUN ROLLER FURNISH BY MANUFACTUF	MP INSTALLED. IED BY MC. RER.	e load.		ALL CONDU AFF – ABC BFC – BEL CT – CURF GC – GEN	ITS SHALL INCLUDE AN OPPMENT GROUND CONDU DVE FINISHEFT 2006, G – A. T. FINISHEFT GRAD OW FINISHEFT 2006, G – BELL FINISHEFT GRAD COW FINISHEFT 2006, G – BELL FINISHEFT GRAD RENT 2007 CEILING, G – BELL FINISHEFT GRAD CEILING, G – GROUND, MC – MECHAN	COR SIZED PER NEC. REVIATIONS/NOTES E, AIC – AMPS INTERUPTING CAPACI DE, CND. OR C. – CONDUIT, CLG – I – EXISTING, EC – ELECTRICAL CONT IICAL CONTRACTOR, MCA – MINIMUM	TY, BC – BAR NSTALLED IN (IRACTOR, EV – CIRCUIT AMPS	RE COPPER, CEILING, - ELECTRO VOICE,	
			MCA = MINIMUM CIRCUIT AMPACITY MOCP = MAXIMUM OVER CURRENT PRO NOTES: 1) INSTALL CIRCUIT THROUGH AQUASTA 2) SEE DRAWINGS FOR SWITCHING. WI 3) PROVIDE DISCONNECT AND FUSE SIZ	AND CONTROLS B' E IN SPEED CONTR D AS MAX LISTED B	Y PC IF NEW PUN ROLLER FURNISH BY MANUFACTUF	MP INSTALLED. IED BY MC. RER.	e load.		ALL CONDU AFF – ABC BFC – BEL CT – CURF GC – GENF P.C. – PLU SCA – S	TITS SHALL INCLUDE AN OPPMENT GROUND CONDU- BIOVE FINISHEFT LOOK, IG – ALLE FINISHEFT GRAD OW FINISH CEILING, IG – BELL FINISHET GRAD RENT JUNSDUCER, DF – DROP FROM BOVE, (E) ERAL LOUTRACTOR, G – GROUND, MC – MECHAN MBING OF RACTOR POC – POINT OF CONNECTION CIRCUIN LOURRES, TC – TEMP. CONTROL CONT	CR SIZED PER NEC. REVIATIONS/NOTES E, AIC – AMPŚ INTERUPTING CAPACI DE, CND. OR C. – CONDUIT, CLG – I – EXISTING, EC – ELECTRICAL CONT	TY, BC – BAR NSTALLED IN (RACTOR, EV – CIRCUIT AMPS RIGID METAL CO	RE COPPER, CEILING, - ELECTRO VOICE, S, ONDUIT,	COUNTING E
			MCA = MINIMUM CIRCUIT AMPACITY MOCP = MAXIMUM OVER CURRENT PRO NOTES: 1) INSTALL CIRCUIT THROUGH AQUASTA 2) SEE DRAWINGS FOR SWITCHING. WI 3) PROVIDE DISCONNECT AND FUSE SIZ	AND CONTROLS B' E IN SPEED CONTR D AS MAX LISTED B	Y PC IF NEW PUN ROLLER FURNISH BY MANUFACTUF	MP INSTALLED. IED BY MC. RER.	e load.		ALL CONDU AFF – ABC BFC – BEL CT – CURF GC – GENF P.C. – PLL SCA – S VIF – VEN	TITS SHALL INCLUDE AN OPPMENT GROUND CONDU- DVE FINISHFF LOOK, IG - ALLE FINISHF LOGRAD OW FINISH CEILING, IG - BELLEFINISH DOGRAD RENT TO ASDUCER, DF - DROP FROM BOVE, (E) ERAL COTRACTOR, I - GROUND, MC - MECHAN MBING OF RACTOR, I - GROUND, MC - MECHAN MBING OF RACTOR, I - TEMP. CONTROL CONT CIRCUIN TO ARES, TC - TEMP. CONTROL CONT OF FIELD, WILL WEATHER PROOF/NEMA 3R	COR SIZED PER NEC. REVIATIONS/NOTES E, AIC – AMPS INTERUPTING CAPACI DE, CND. OR C. – CONDUIT, CLG – I – EXISTING, EC – ELECTRICAL CONT IICAL CONTRACTOR, MCA – MINIMUM I, POS – POINT OF SALES, RMC – F RACTOR, UNO – UNLESS NOTED OTH	TY, BC – BAR NSTALLED IN (RACTOR, EV – CIRCUIT AMPS RIGID METAL CO	RE COPPER, CEILING, - ELECTRO VOICE, S, ONDUIT,	SIZE OF C
			MCA = MINIMUM CIRCUIT AMPACITY MOCP = MAXIMUM OVER CURRENT PRO NOTES: 1) INSTALL CIRCUIT THROUGH AQUASTA 2) SEE DRAWINGS FOR SWITCHING. WI 3) PROVIDE DISCONNECT AND FUSE SIZ	AND CONTROLS B' E IN SPEED CONTR D AS MAX LISTED B	Y PC IF NEW PUN ROLLER FURNISH BY MANUFACTUF	MP INSTALLED. IED BY MC. RER.	e load.		ALL CONDU AFF – ABC BFC – BEL CT – CURF GC – GENF P.C. – PLU SCA – S VIF – VEN 1. SEE	TITS SHALL INCLUDE AN OPPMENT GROUND CONDU- BITS SHALL INCLUDE AN OPPMENT GROUND CONDU- OVE FINISHEFT LOOK, I'G - ALL'S FINISHEFT GRAD OW FINISH CEILING, I'G - BELL EINISHE GRAD RENT TO ASDUCER, DE - DROP FROM BOVE, (E) ERAL CONTRACTOR, I'G - GROUND, MC - MECHAN MBING CONTRACTOR, I'G - GROUND, MC - MECHAN MBING CONTRACTOR, I'G - GROUND, MC - MECHAN MBING CONTRACTOR, I'G - POINT OF CONNECTION CIRCUIN CONTRACTOR POC - POINT OF CONNECTION CIRCUIN CONTRACTOR, I'G - TEMP. CONTROL CONT OF FIELD, M. WEATHER PROOF/NEMA 3R	COR SIZED PER NEC. REVIATIONS/NOTES E, AIC – AMPS INTERUPTING CAPACI DE, CND. OR C. – CONDUIT, CLG – I – EXISTING, EC – ELECTRICAL CONT IICAL CONTRACTOR, MCA – MINIMUM I, POS – POINT OF SALES, RMC – F RACTOR, UNO – UNLESS NOTED OTH PECIFICS.	TY, BC – BAR NSTALLED IN (RACTOR, EV – CIRCUIT AMPS RIGID METAL CO	RE COPPER, CEILING, - ELECTRO VOICE, S, ONDUIT,	COUNTING E
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			MCA = MINIMUM CIRCUIT AMPACITY MOCP = MAXIMUM OVER CURRENT PRO NOTES: 1) INSTALL CIRCUIT THROUGH AQUASTA 2) SEE DRAWINGS FOR SWITCHING. WI 3) PROVIDE DISCONNECT AND FUSE SIZ	AND CONTROLS B' E IN SPEED CONTR D AS MAX LISTED B	Y PC IF NEW PUN ROLLER FURNISH BY MANUFACTUF	MP INSTALLED. IED BY MC. RER.	e load.		ALL CONDU AFF – ABC BFC – BEL CT – CURF GC – GENF P.C. – PLU SCA – S VIF – VEN 1. SEE I 2. SEE I	TITS SHALL INCLUDE AN OPPMENT GROUND CONDU- BITS SHALL INCLUDE AN OPPMENT GROUND CONDU- OVE FINISHEFT LOOK, O'G – ALLI'S FINISHEFT BRAD OW FINISHI CEILING, O'G – BELL FINISHET BRAD RENT JUNSDUCER, DF – DROP FROM BOVE, (E) ERAL CONTRACTOR, CO – GROUND, MC – MECHAN MBING CONTRACTOR, CO – GROUND, MC – MECHAN MBING CONTRACTOR, CO – POINT OF CONNECTION CIRCUIN CONTRES, TC – TEMP. CONTROL CONT IN FIELD, NOT WEATHER PROOF/NEMA 3R ON TIME FIXTURE CHEDULE FOR TYPE AND SF IN TIME TURE SCIEDULE FOR MOUNTING OF	COR SIZED PER NEC. REVIATIONS/NOTES E, AIC – AMPS INTERUPTING CAPACI DE, CND. OR C. – CONDUIT, CLG – I – EXISTING, EC – ELECTRICAL CONT IICAL CONTRACTOR, MCA – MINIMUM I, POS – POINT OF SALES, RMC – F RACTOR, UNO – UNLESS NOTED OTH PECIFICS. F FIXTURE. QUIRED BY THE FIXTURE AND NUM	TY, BC – BAR NSTALLED IN (TRACTOR, EV – CIRCUIT AMPS RIGID METAL CO ERWISE, VA –	RE COPPER, CEILING, - ELECTRO VOICE, ;, ONDUIT, VOLT/AMPS,	SIZE OF C
			MCA = MINIMUM CIRCUIT AMPACITY MOCP = MAXIMUM OVER CURRENT PRO NOTES: 1) INSTALL CIRCUIT THROUGH AQUASTA 2) SEE DRAWINGS FOR SWITCHING. WI 3) PROVIDE DISCONNECT AND FUSE SIZ	AND CONTROLS B' E IN SPEED CONTR D AS MAX LISTED B	Y PC IF NEW PUN ROLLER FURNISH BY MANUFACTUF	MP INSTALLED. IED BY MC. RER.	E LOAD.		ALL CONDU AFF - ABC BFC - BEL CT - CURF GC - GENF P.C PLU SCA - S VIF - VEN 1. SEE N 2. SEE N PROV 4. PROV 6. CCE	ITS SHALL INCLUDE AN OPPMENT GROUND CONDU- BITS SHALL INCLUDE AN OPPMENT GROUND CONDU- OVE FINISHEFT LOOK, OF – ALLY FINISHEFT GRAD OW FINISH CEILING, OF – BELL FINISHET GRAD RENT JUNSDUCER, DE – DROP FROM BOVE, (E) ERAL CONTRACTOR, OF – GROUND, MC – MECHAN MBING CONTRACTOR POC – POINT OF CONNECTION OF CIRCUIN CONTRES, TC – TEMP. CONTROL CONT OF FIELD, MAN WEATHER PROOF/NEMA 3R LINTING OFFICE SHEDULE FOR TYPE AND SE LINTING OFFICE SHEDULE FOR MOUNTING OF IDE OND WILL FROM ADJACENT J-BOX AS REC IDE OF-SWITC CONDUCTOR TO EMERGENCY OF DISCUINCE ARE P&S, LEVITON, COOPER,	REVIATIONS/NOTES E, AIC – AMPS INTERUPTING CAPACI DE, CND. OR C. – CONDUIT, CLG – I – EXISTING, EC – ELECTRICAL CONT ICAL CONTRACTOR, MCA – MINIMUM I, POS – POINT OF SALES, RMC – F RACTOR, UNO – UNLESS NOTED OTH PECIFICS. F FIXTURE. QUIRED BY THE FIXTURE AND NUM BALLAST OR FIXTURE. HUBBELL	TY, BC – BAR NSTALLED IN (TRACTOR, EV – CIRCUIT AMPS RIGID METAL CO ERWISE, VA –	RE COPPER, CEILING, - ELECTRO VOICE, ;, ONDUIT, VOLT/AMPS,	ELECTF
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			MCA = MINIMUM CIRCUIT AMPACITY MOCP = MAXIMUM OVER CURRENT PRO NOTES: 1) INSTALL CIRCUIT THROUGH AQUASTA 2) SEE DRAWINGS FOR SWITCHING. WI 3) PROVIDE DISCONNECT AND FUSE SIZ	AND CONTROLS B' E IN SPEED CONTR D AS MAX LISTED B	Y PC IF NEW PUN ROLLER FURNISH BY MANUFACTUF	MP INSTALLED. IED BY MC. RER.	E LOAD.		ALL CONDU AFF - ABG BFC - BEL CT - CURF GC - GENF P.C PLU SCA - S VIF - VEI 1. SEE I PROV 2. SEE I PROV 6. ACCE 7. ACE 8. AC PROV 10. DEE 11. USE 12. PROV 13. USE I 14. SIZE 15. PROV FLOOI 16. PROV TA SIZE SIZE VIF VIS PROV 12. PROV 13. USE I 14. SIZE 15. PROV FLOOI 16. PROV 21. PROV 22. IF EX 23. PROV 24. PROV 25. PROV 26. PROV 27. PROV 28. PROV 29. PROV 30. INSTA BY TI 31. 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	_	ELECTRICAL	SYMBOL SCH	EDULE		CONDU
LUMINAIRE SCHEDULE	SYMBOL		CATALOG NUMBER		COMMENTS	MARK A
VOLTS LAMPS CATALOG NUMBER QTY MODEL MOUNTING VA NOTES		LIGHT FIXTURE EMERGENCY LIGHT FIXTURE	SEE LIGHTING FIXTURE SCHEDULE		(1) (2) (3) (4)	212
2X4 4000LM 80 CRI 35K MIN1MVOLTLEDSUPPLIED W/UNITRECESSED392X4 4000LM 80 CRI 35K MIN1 E10WCPMVOLTLEDSUPPLIED W/UNITRECESSED39		EXIT FIXTURE - WALL MOUNT	SEE LIGHTING FIXTURE SCHEDULE		(1) (2) (3) (4) (1) (2) (4)	312 412
00LM 80CRI 35K MIN1 GZT MVOLT LED SUPPLIED W/UNIT SURFACE 26 00LM 80CRI 35K MIN1 GZT E10WLCP MVOLT LED SUPPLIED W/UNIT SURFACE 26		EXIT FIXTURE - CEILING MOUNT	SEE LIGHTING FIXTURE SCHEDULE	CEILING	(1) (2) (4)	68 20
N-RC-SD MVOLT LED INCLUDED WALL 7'-6" AFF 5		1 CIRCUIT ECO DIMMING CONTROLLER	WATTSTOPPER LMRC-111		(11) (30) (32)	30
LED-3.6V-P-SD MVOLT LED INCLUDED WALL 7'-6" AFF 1 1		1 CIRCUIT DIMMING CONTROLLER	WATTSTOPPER LMRC-211		(11) (30) (32)	40
		2 CIRCUIT DIMMING CONTROLLER 3 CIRCUIT DIMMING CONTROLLER	WATTSTOPPER LMRC-212 WATTSTOPPER LMRC-213	ABOVE CEILING ABOVE CEILING	(11) (30) (32)	201
TYPE OF FIXTURES DESIRED. EQUALS OF THOSE MANUFACTURERS NOTED IN THE REMARKS		1 CIRCUIT SWITCHING CONTROLLER	WATTSTOPPER LMRC-213	ABOVE CEILING	(11) (30) (32) (11) (30) (32)	28A 38A 48A 26A
GIGNATION IN THE REMARK COLUMN THE SUPPLIER MAY SUBMIT A FIXTURE THEY BELIEVE ES SUBMITTED MUST BE OF THE SAME TYPE AND MATERIAL AS THAT SPECIFIED AND MUST		1 CIRCUIT FORWARD PHASE CONTROLLER	WATTSTOPPER LMRC-221	ABOVE	(30) (11)	48A
).		DUAL TECHNOLOGY OCCUPANCY SENSOR	WATTSTOPPER LMDC-100	CEILING	(11)	36A
	\bigcirc	MOTOR	SEE MECHANICAL SCHEDULE	SEE MECH	(22)	46A 24A 34A
	- - - - - - - - - - - - - -	MANUAL MOTOR SWITCH SINGLE POLE SWITCH	SQ. D 2510-KG1 HUBBELL BS120W	4' - 0'' 4' - 0''	(8) (11)	34A
EQUIPMENT SCHEDULE	\$	WALL SWITCH OCCUPANCY SENSOR	WATTSTOPPER PW100	4'-0"	(6) (11) (7) (11)	44A 23A
	\$ _{OD}	WALL DIMMING OCCUPANCY SENSOR	WATTSTOPPER DW-311	4'-0"	(7) (11)	33A
MARK DESCRIPTION LOAD DISCONNECT FUSE V/PH (kW) HP FLA MCA MOCP SIZE/POLE SIZE NOTES	\$# WD	DIMMING SWITCH	WATTSTOPPER LMDM-101	4'-0"	(11) (32)	43A 22A
K-1 Reach-in Freezer 115/1 4.4 2 K-2 Ice Maker 115/1 10.8 2	\$# \$WS1	SINGLE SWITCH, LM SYSTEM	WATTSTOPPER LMSW-101	4'-0"	(11) (32)	32A 42A
K-2 Ice Maker 115/1 10.8 2 K-4 3-Door Reach-in Cooler 115/1 5.6 2	\$# WS2	DOUBLE SWITCH, LM SYSTEM FIVE SCENE, LM SYSTEM	WATTSTOPPER LMSW-102 WATTSTOPPER LMSW-105	4'-0" 4'-0"	(11) (32) (11)	31A 1
K-5 Tabletop Mixer 115/1 1 10 2 K-9 Planetary Mixer 208/1 2 12 2 2		DUPLEX RECEPTACLE, TR, GROUNDING TYPE	HUBBELL BR20WTR	18"	(6) (11)	41A 1 310A 1
K-10 Convection Oven 208/3 18 1,2	€	DUPLEX OUTLET, GROUNDING TYPE	HUBBELL BR20W	18"	(6) (11)	(410A) 1
K-11 Heated Proofing Cabinet 120/1 1.5 2 K-12 Refrigerator Merchandiser 115/1 1/5 1.6 2		DUPLEX OUTLET - GFI, TR	HUBBELL GFTRST20W	18"	(6) (11)	320A 1 420A 1
	€	DUPLEX OUTLET - GFI	HUBBELL GF5352-IA	18"	(6)	330A 1
		DUPLEX USB OUTLET	HUBBELL USB20X2W	44"	(6) (11)	430A 1 240A 1
V/PH/Hz = VOLTAGE / PHASE / HERTZ MCA = MINIMUM CIRCUIT AMPACITY		DOUBLE DUPLEX OUTLET SINGLE PHASE SPECIAL OUTLET	(2) HUBBELL BR20W	18"	(6) (11) (6) (11)	340A 1 440A 1
MOCP = MAXIMUM OVER CURRENT PROTECTION LISTED BY THE MANUFACTURER		JUNCLE FINDE OF LUIAL VUILLI	VOLTS AMPS OUTLET PLUG	IRE 18"		325A 2
NOTES: 1) REQUIRES A 120V CONTROL CIRCUIT.			1. 125 30 5–30R 5–30P 3 2. 250 20 6–20R 6–20P 4 3. 250 30 L6–30R L6–30P 4	3W		425A 2 3-3A 2 4-3A 2
2) CONFIRM EXACT HEIGHT OF UNIT PRIOR TO ROUGH-IN AND MAKE FINAL CONNECTION TO UNIT			4. 250 50 14-50R 14-50P	4W		4-3A 2 335A 2
		JUNCTION BOX	4" x 4" SEE SPEC.	CEILING	(12)	(435A) 2
MECHANICAL EQUIPMENT SCHEDULE		MULTI-MEDIA J-BOX	4" × 4" OR AS NOTED, S⊾ → 4" × 4" OR AS NOTED, SEE S	18"	2) MOUNT AS NOTED	<u>3-4A</u> 2 4-4A 2
		DISCONNECT SWITCH	SQUARE D - LENDE	i – 0"	(8) (13)	350A 3 450A 3
MARK DESCRIPTION LOAD DISCONNECT FUSE	Ē	FUSED DISCONNECT SWITCH	SQUARE T SENERAL DUTY	5)"	(8) (13)	450A 3 440A2 3
V/PH (kW) HP FLA MCA MOCP SIZE/POLE SIZE NOTES EF-1 Exhaust Fan 120/1 0.087 2		PANEL BOARD	SEE PAN SCHEDULE	6'-6" TO TO	P	480A 3
CU-1 Condensing Unit 208/1 18.8 30 30/2 30 3		EQUIPMENT OTHER THAN MECHANICAL	SEE EQUIL ENT SCHEDULE		<u> </u>	325A2 4 425A2 4
CU-2 Condensing Unit 208/1 26.1 40 60/2 40 3 F-1 Furnace 115/1 9.6 15 4 4		MECHANICAL EQUIPMENT	SEE MECHALIN SCHEDULE		ND IN GROUND OR FLOOR	NOTE: (1) THHN/1
F-2 Furnace 115/1 12.3 20 4 RP-1 Recirc Pump 120/1 0.7 1 1		CONDUIT TURNED UP			IRNED DOWN	(2) ALL CC EQUIPM
WH-1 Water Heater 208/1 9 0.7 <		CIRCUIT HOME RUM PANEL.	3 ONDUCTORS INCLUDING THE EQ			IN ACC
	┨ │────		UNBER OF ARROW HEADS INDICATIONS. EX. THE CIRCUITS, FOUR CON			SUFFIX:
	1	URCUITS WITH 7 CONL	(SEPERATION LUTRAL PER CIRCUIT).			"M" IN[
V/PH/Hz = VOLTAGE / PHASE / HERTZ MCA = MINIMUM CIRCUIT AMPACITY		ONDUIT AS DRAWN ON E PLANS. THE ONLY EX	OR FP AIR	WRITING BY TH		"Y" IN CONDU
MOCP = MAXIMUM OVER CURRENT PROTECTION LISTED BY THE MANUFACTURER NOTES:		JITS SHALL INCLUDE AN PPMENT GROUND COND	U. OR SIZED PER NEC.			CONDU LEGEND:
1) INSTALL CIRCUIT THROUGH AQUASTAT AND CONTROLS BY PC IF NEW PUMP INSTALLED.	AFF – AB	OVE FINISHE	BREVIATIONS/NOTES DE, AIC – AMPS INTERUPTING CAPAG	CITY, BC – BARE	COPPER,	# OF CONDUC COUNTING E
 SEE DRAWINGS FOR SWITCHING. WIRE IN SPEED CONTROLLER FURNISHED BY MC. PROVIDE DISCONNECT AND FUSE SIZED AS MAX LISTED BY MANUFACTURER. 	BFC – BE CT – CUR	LOW FINIS' CEILING, G - BEL FIN' ZD GRA	ADÉ, CND. OR C. — CONDUIT, CLG —) — EXISTING, EC — ELECTRICAL CON	INSTALLED IN C	EILING,	
4) PROVIDE MANUAL MOTOR STARTER WITH LOCK-OFF OPTION AT FURNACE SIZED FOR THE LOAD.	GC – GEN P.C. – PL	ERAL TRACTOR, – GROUND, MC – MECHA	NICAL CONTRACTOR, MCA – MINIMUN DN, POS – POINT OF SALES, RMC –	I CIRCUIT AMPS,		SIZE OF (
	SCA – 🗧	CIRCUIN RES, TC - TEMP. CONTROL CON	TRACTOR, UNO – UNLESS NOTED OT			
	VIF – VER 1. SEE	FIELD, WEATHER PROOF/NEMA 3R	SPECIFICS			ELE(
	2. SEE	LIC TING TURE STEDULE FOR MOUNTING C	DF FIXTURE.			
•		/IDEND_WEROM_ADJACENT_J_BOX_AS_RE /IDESWITC_ZD_CONDUCTOR_TO_EMERGENC`		MBER OF CON		ELECT
	6. ACCI	DI CTIONAL ARROWS AS SHOWN. PIA. QUALS ARE P&S, LEVITON, COOPER,	HUBBELL			LIG
	7. S E	PTABLE EQUALS ARE HUBBELL, WATT STOPPE	ER, SENSOR SWITCH			ELECTRIC
	PROV	TABLE EQUALS ARE GENERAL ELECTRIC, ALL ONE B2432, ONE S3825, ONE S3826, ONI	E SB3084, AND ONE FCX244W			
		PTABLE EQUALS ARE INTERMATIC, PARAGON, A 4"X4"X1 1/8" FOR POWER, 4 11/16"X4 11/	EZ-CONTROL			EL
	AND	INSTALLATION.			U TO MATCH THE DEVICE	
		/IDE MUD RING AND/OR BOX COVER APPROPRI HEAVY DUTY FOR 480 VOLT.	NATE FOR DEVICE/FIXTURE SERVE	D.		
	14. SIZE	TO THE EQUIPMENT BEING CONTROLLED				
		/IDE A FLOOR BOX HUBBELL S1PFB/SISP, TWO R TYPE.		,		
		/IDE A FLOOR BOX HUBBELL S1PFB/SISP WITH PTABLE EQUALS ARE HUBBELL, ORTRONICS, S	I ONE IM2K1BK, TWO IMB1BK AND SIEMON	ONE HBL2162	ЗК.	
	16. PRO\	A REAL AND A				
	16. PRON 17. ACCE 18. MATC	CH THE VOLTAGE OF THE RELAY WITH THAT O				
	16. PROV 17. ACCE 18. MATC 19. MOUN			ED.	I	
	16. PROV 17. ACCE 18. MATO 19. MOUN 20. FEED 21. PROV	CH THE VOLTAGE OF THE RELAY WITH THAT ON NT SWITCH AT DOOR JAM PER MANUFACTURER THE STYLE LINE RECEP. FROM THE GFCI OUT /IDE HANDY BOX (RACO 663 OR EQUAL) MOUN	ILET SO BOTH ARE GFCI PROTEC ⁻ NT DIRECTLY TO FURNACE FUSE		INDICATED ON PLANS.	
	16. PROV 17. ACCE 18. MATC 19. MOUN 20. FEED 21. PROV 22. IF EX	CH THE VOLTAGE OF THE RELAY WITH THAT ON NT SWITCH AT DOOR JAM PER MANUFACTURER THE STYLE LINE RECEP. FROM THE GFCI OUT	TLET SO BOTH ARE GFCI PROTEC NT DIRECTLY TO FURNACE FUSE DICATED OTHERWISE.		INDICATED ON PLANS.	
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	16. PROV 17. ACCE 18. MATC 19. MOUN 20. FEED 21. PROV 22. IF EX 23. PROV 24. PROV 25. PROV 26. PROV 27. PROV	CH THE VOLTAGE OF THE RELAY WITH THAT ON NT SWITCH AT DOOR JAM PER MANUFACTURER THE STYLE LINE RECEP. FROM THE GFCI OUT /IDE HANDY BOX (RACO 663 OR EQUAL) MOUN (HAUST FAN, SWITCH WITH LIGHTS UNLESS IND /IDE DEVICE UL LISTED TO BE USED WITH THE /IDE HUBBELL: ONE OUTLET FRAME ISF2OW, ON /IDE ONE BR2OW /IDE HUBBELL: TWO JACKS HXJ6OW /IDE A FLOOR BOX HUBBELL S2431 WITH (1) S	TLET SO BOTH ARE GFCI PROTECT NT DIRECTLY TO FURNACE FUSE DICATED OTHERWISE. FIRE ALARM PANEL/SYSTEM. NE COVERPLATE NP26W. SB3083.		INDICATED ON PLANS.	
	 16. PROV 17. ACCE 18. MATO 19. MOUN 20. FEED 21. PROV 22. IF EX 23. PROV 24. PROV 25. PROV 26. PROV 27. PROV 28. PROV 29. PROV 	CH THE VOLTAGE OF THE RELAY WITH THAT ON NT SWITCH AT DOOR JAM PER MANUFACTURER THE STYLE LINE RECEP. FROM THE GFCI OUT ADE HANDY BOX (RACO 663 OR EQUAL) MOUN AHAUST FAN, SWITCH WITH LIGHTS UNLESS IND ADE DEVICE UL LISTED TO BE USED WITH THE ADE HUBBELL: ONE OUTLET FRAME ISF2OW, ON ADE ONE BR2OW ADE HUBBELL: TWO JACKS HXJ6OW ADE A FLOOR BOX HUBBELL S2431 WITH (1) S ADE TIMER INTERVAL AS SHOWN ON DRAWINGS ADE RACEWAY WITH OUTLETS 12" ON CENTER.	TLET SO BOTH ARE GFCI PROTECT NT DIRECTLY TO FURNACE FUSE DICATED OTHERWISE. FIRE ALARM PANEL/SYSTEM. NE COVERPLATE NP26W. SB3083. S OR LISTED IN SPECIFICATIONS. UNO.	15 AMP OR AS		
	 16. PROV 17. ACCE 18. MATC 19. MOUN 20. FEED 21. PROV 22. IF EX 23. PROV 24. PROV 25. PROV 26. PROV 27. PROV 28. PROV 29. PROV 30. INST/ 	CH THE VOLTAGE OF THE RELAY WITH THAT ON NT SWITCH AT DOOR JAM PER MANUFACTURER THE STYLE LINE RECEP. FROM THE GFCI OUT /IDE HANDY BOX (RACO 663 OR EQUAL) MOUN (HAUST FAN, SWITCH WITH LIGHTS UNLESS IND /IDE DEVICE UL LISTED TO BE USED WITH THE /IDE HUBBELL: ONE OUTLET FRAME ISF2OW, ON /IDE ONE BR2OW /IDE HUBBELL: TWO JACKS HXJ6OW /IDE A FLOOR BOX HUBBELL S2431 WITH (1) S /IDE TIMER INTERVAL AS SHOWN ON DRAWINGS	TLET SO BOTH ARE GFCI PROTECT NT DIRECTLY TO FURNACE FUSE DICATED OTHERWISE. FIRE ALARM PANEL/SYSTEM. NE COVERPLATE NP26W. SB3083. S OR LISTED IN SPECIFICATIONS. UNO.	15 AMP OR AS		
	 16. PROV 17. ACCE 18. MATO 19. MOUN 20. FEED 21. PROV 22. IF EX 23. PROV 24. PROV 25. PROV 26. PROV 26. PROV 27. PROV 28. PROV 29. PROV 30. INST/ BY T 31. PROV 	CH THE VOLTAGE OF THE RELAY WITH THAT ON NT SWITCH AT DOOR JAM PER MANUFACTURER THE STYLE LINE RECEP. FROM THE GFCI OUT /IDE HANDY BOX (RACO 663 OR EQUAL) MOUN (HAUST FAN, SWITCH WITH LIGHTS UNLESS IND /IDE DEVICE UL LISTED TO BE USED WITH THE /IDE HUBBELL: ONE OUTLET FRAME ISF2OW, ON /IDE ONE BR2OW /IDE HUBBELL: TWO JACKS HXJ6OW /IDE A FLOOR BOX HUBBELL S2431 WITH (1) S /IDE TIMER INTERVAL AS SHOWN ON DRAWINGS /IDE RACEWAY WITH OUTLETS 12" ON CENTER. ALL UNIT ABOVE ACCESSIBLE CEILING AND CON	TLET SO BOTH ARE GFCI PROTECT NT DIRECTLY TO FURNACE FUSE DICATED OTHERWISE. FIRE ALARM PANEL/SYSTEM. NE COVERPLATE NP26W. SB3083. S OR LISTED IN SPECIFICATIONS. UNO. NNECT TO ALL ASSOCIATED DEVIC	15 AMP OR AS CES WITH NETW		

	_	ELECTRICAL S	SYMBOL SCHE	DULE		COND	UIT/C	
LUMINAIRE SCHEDULE	▌▕▎┌────┐┤		CATALOG NUMBER		COMMENTS	MARK		CONDUIT CABLE
VOLTS LAMPS CATALOG NUMBER QTY MODEL MOUNTING VA NOTES		LIGHT FIXTURE	SEE LIGHTING FIXTURE SCHEDULE		(1) (2) (3)	212	20	3/4"
D00LM 80 CRI 35K MIN1MVOLTLEDSUPPLIED W/UNITRECESSED39D00LM 80 CRI 35K MIN1 E10WCPMVOLTLEDSUPPLIED W/UNITRECESSED39		EMERGENCY LIGHT FIXTURE EXIT FIXTURE - WALL MOUNT	SEE LIGHTING FIXTURE SCHEDULE SEE LIGHTING FIXTURE SCHEDULE	CEILING	(1) (2) (3) (4) (1) (2) (4)	312 412	20 20	3/4" 3/4"
80CRI 35K MIN1 GZT MVOLT LED SUPPLIED W/UNIT SURFACE 26		EXIT FIXTURE - CEILING MOUNT	SEE LIGHTING FIXTURE SCHEDULE	CEILING	(1) (2) (4)	<u>68</u> 20	28	1"
-SD MVOLT LED INCLUDED WALL 7'-6" AFF 5		1 CIRCUIT ECO DIMMING CONTROLLER	WATTSTOPPER LMRC-111	ABOVE CEILING ABOVE CEILING	(11) (30) (32)	20 30 40	30 30	3/4" 3/4"
3.6V-P-SD MVOLT LED INCLUDED WALL 7'-6" AFF 1 1			WATTSTOPPER LMRC-211	I ABOVE I CEILING I ABOVE	(11) (30) (32)	40	30 30	3/4"
			WATTSTOPPER LMRC-212 WATTSTOPPER LMRC-213	ABOVE CEILING ABOVE	(11) (30) (32) (11) (30) (32)	201 301 28A 38A 48A 26A 36A 46A 46A 46A 46A 46A	30	1"
E OF FIXTURES DESIRED. EQUALS OF THOSE MANUFACTURERS NOTED IN THE REMARKS TION IN THE REMARK COLUMN THE SUPPLIER MAY SUBMIT A FIXTURE THEY BELIEVE			WATTSTOPPER LMRC-101		(11) (30) (32)	28A 38A	40 40	3/4" 1"
UBMITTED MUST BE OF THE SAME TYPE AND MATERIAL AS THAT SPECIFIED AND MUST		1 CIRCUIT FORWARD PHASE CONTROLLER	WATTSTOPPER LMRC-221	ABOVE CEILING	(30) (11)	48A 26A	40 50	1"
			WATTSTOPPER LMDC-100	CEILING	(11)	36A	50	1"
		MOTOR MANUAL MOTOR SWITCH	SEE MECHANICAL SCHEDULE SQ. D 2510-KG1	SEE MECH 4' - 0"	(22) (8) (11)	<u>46A</u> 24A	50 65	1″ 1 1/4"
	i Mi	SINGLE POLE SWITCH	HUBBELL BS120W	4' - 0''	(6) (11)	34A 44A	65	1 1/4" 1 1/4"
EQUIPMENT SCHEDULE	\$ ₀	WALL SWITCH OCCUPANCY SENSOR	WATTSTOPPER PW100	4'-0"	(7) (11)	23A 33A 43A	75	1 1/4"
IRK DESCRIPTION LOAD DISCONNECT FUSE	100	WALL DIMMING OCCUPANCY SENSOR	WATTSTOPPER DW-311	4'-0"	(7) (11)	33A 43A	75 75	1 1/4" 1 1/2"
V/PH (KW) HP FLA MCA MOCP SIZE/POLE SIZE NOTES		DIMMING SWITCH SINGLE SWITCH, LM SYSTEM	WATTSTOPPER LMDM-101 WATTSTOPPER LMSW-101	4'-0" 4'-0"	(11) (32)	22A	90	1 1/2" 1 1/2"
Reach-in Freezer 115/1 4.4 2 -2 Ice Maker 115/1 10.8 2	14	DOUBLE SWITCH, LM SYSTEM	WATTSTOPPER LMSW-101	4'-0"	(11) (32) (11) (32)	22A 32A 42A 31A	90	1 1/2"
X-4 3-Door Reach-in Cooler 115/1 5.6 2 X-5 Tabletop Mixer 115/1 1 10 2		FIVE SCENE, LM SYSTEM	WATTSTOPPER LMSW-105	4'-0"	(11)		100 100	1 1/2"
-9 Planetary Mixer 208/1 2 12 2		DUPLEX RECEPTACLE, TR, GROUNDING TYPE	HUBBELL BR20WTR	18"	(6) (11)	310A 410A 320A	120	2"
10 Convection Oven 208/3 18 1,2 11 Heated Proofing Cabinet 120/1 1.5 2		DUPLEX OUTLET, GROUNDING TYPE	HUBBELL BR20W	18"	(6) (11)	320A	135	2"
-12 Refrigerator Merchandiser 115/1 1/5 1.6 2		DUPLEX OUTLET – GFI, TR DUPLEX OUTLET – GFI	HUBBELL GFTRST20W HUBBELL GF5352–IA	18" 18"	(6) (11) (6)	420A 330A	135 155	2" 2 1/2"
		DUPLEX USB OUTLET	HUBBELL USB20X2W	44"	(6) (11)	430A	155	2 1/2"
H/Hz = VOLTAGE / PHASE / HERTZ		DOUBLE DUPLEX OUTLET	(2) HUBBELL BR20W	18"	(6) (11)	430A 240A 340A	180 180	2" 2 1/2"
A = MINIMUM CIRCUIT AMPACITY	€#	SINGLE PHASE SPECIAL OUTLET	NEMA – SUBSCRIPT MARKS TY		(6) (11)	440A 325A	180	2 1/2"
CP = MAXIMUM OVER CURRENT PROTECTION LISTED BY THE MANUFACTURER ES:			VOLTS AMPS OUTLET PLUG WIRI 1. 125 30 5–30R 5–30P 3W 2. 250 20 6–20R 6–20P 3W			(425A)	205 205	2 1/2"
EQUIRES A 120V CONTROL CIRCUIT. CONFIRM EXACT HEIGHT OF UNIT PRIOR TO ROUGH-IN AND MAKE FINAL CONNECTION TO UNIT			250 20 210 210 210 0 200 0 200 0 200 0			3-3A 4-3A	230 230	3" 3"
	Ū	JUNCTION BOX	4" x 4" SEE SPEC.	CEILING	(12)	335A 435A	250	3"
		JUNCTION BOX	4" x 4" OR AS NOTED, SL TLS.		2) MOUNT AS NOTED	3-4A	250 270	3" 3"
MECHANICAL EQUIPMENT SCHEDULE		MULTI-MEDIA J-BOX DISCONNECT SWITCH	4" x 4" OR AS NOTED, SEE S.	18" ' - 0"	(H) (31) (8) (13)	4-4A 350A	270 310	3 1/2" 3 1/2"
MARK DESCRIPTION LOAD DISCONNECT FUSE		FUSED DISCONNECT SWITCH	SQUARE C SENERAL DUTY	5 0"	(8) (13)	450A 440A2	310	4"
V/PH (KW) HP FLA MCA MOCP SIZE/POLE SIZE NOTES		PANEL BOARD	SEE PAN SCHEDULE	6'-6" TO TOP		440A2 480A 325A2	360 395	2 1/2" 4"
CU-1 Condensing Unit 208/1 18.8 30 30/2 30 3		EQUIPMENT OTHER THAN MECHANICAL	SEE EQUITENT SCHEDULE			325A2 425A2	410 410	3" 3"
CU-2 Condensing Unit 208/1 26.1 40 60/2 40 3 F-1 Fumace 115/1 9.6 15 4		MECHANICAL EQUIPMENT	SEE MECHANIN SCHEDULE		ID IN GROUND OR FLOOR	NOTE:	I/THWN	•
F-2 Fumace 115/1 12.3 20 4 RP-1 Recirc Pump 120/1 0.7 1		CONDUIT TURNED UP				(2) ALL	CONDUI	IT SHALL
WH-1 Water Heater 208/1 9 9 1		CIRCUIT HOME RUM PANEL. 3				IN A		ANCE WITH
		INDICATE NUMBER SOND' OR	MBER OF ARROW HEADS INDICATE S. EX. THE CIRCUITS, FOUR CONDU	ICTORS, COMMO	N NEUTRAL AND THREE	SUFFIX:		res alumi
V/PH/Hz = VOLTAGE / PHASE / HERTZ	· · · · · · · · · · · · · · · · · · ·	Image: margin base CIRCUITS WITH 7 CONSTRAINTS (SI	<u>EPERATT LUTRAL PER CIRCUIT). E</u> R EPE -AIR	OTH EX. INCLU	DE AN EQUIP. GROUND.	"М"	INDICAT	TED MC CA TES YELLC
MCA = MINIMUM CIRCUIT AMPACITY		IDUIT AS DRAWN ON E PLANS. THE ONLY EX	NS ARE THOSE AUTHORIZED IN N	RITING BY THE	ENGINEER.	CON	DUCTOR	R IN ADDI R IN NOTE
MOCP = MAXIMUM OVER CURRENT PROTECTION LISTED BY THE MANUFACTURER NOTES:	ALL CONDUIT	TS SHALL INCLUDE AN UPMENT GROUND CONDU	OR SIZED PER NEC.			LEGEND: # OF CONE		
 INSTALL CIRCUIT THROUGH AQUASTAT AND CONTROLS BY PC IF NEW PUMP INSTALLED. SEE DRAWINGS FOR SWITCHING. WIRE IN SPEED CONTROLLER FURNISHED BY MC. 	AFF – ABON BFC – BELC	/E FINISHET 2001, G - AL FINISHE GRADE,	AIC – AMPŚ INTERUPTING CAPACIT			COUNTING		
3) PROVIDE DISCONNECT AND FUSE SIZED AS MAX LISTED BY MANUFACTURER. 4) PROVIDE MANUAL MOTOR STARTER WITH LOCK-OFF OPTION AT FURNACE SIZED FOR THE LOAD.	CT – CURRE	ENT SDUCER, DF - DROP FR. BOVE, (E) -	, CND. OR C. – CONDUIT, CLG – II - EXISTING, EC – ELECTRICAL CONT	RACTOR, EV - I				
The vide manual meter character with leade of the new attracted end of the load.	GC – GENER P.C. – PLUN	BING RACT POC - POINT OF CONNECTION,	CAL CONTRACTOR, MCA - MINIMUM POS - POINT OF SALES, RMC - R	GID METAL CON		SIZE UI		
	SCA – S VIF – VEN	CIRCUINRES, TC - TEMP. CONTROL CONTRA FIELD, W. WEATHER PROOF/NEMA 3R	ACTOR, UNO – UNLESS NOTED OTHE	RWISE, VA – V	OLT/AMPS,			
	1. SEE L	THE FIXTURE SHEDULE FOR TYPE AND SPE				ELE		RICA
	2. SEE LI PROVID	DE ND W. FROM ADJACENT J-BOX AS REQU	JIRED BY THE FIXTURE AND NUM	BER OF COND	JITS.			TITLE
	Pro	DE CH-SWITCED CONDUCTOR TO EMERGENCY E	BALLAST OR FIXTURE.					_ SCHEDUL G AND PO
	6. CCEP 7. SEP	TALE QUALS ARE P&S, LEVITON, COOPER, HI TABLE EQUALS ARE HUBBELL, WATT STOPPER,						PANELS AN
	8. AC	TABLE EQUALS ARE GENERAL ELECTRIC, ALLEN ONE B2432, ONE S3825, ONE S3826, ONE S	-BRADLEY, SQUARE D				ELE	ECTRICAL I
	THE SEP	TABLE EQUALS ARE INTERMATIC, PARAGON, EZ	-CONTROL					RICAL SPE
		4"X4"X1 1/8" FOR POWER, 4 11/16"X4 11/16' NSTALLATION.	X2 1/8 FOR DATA/VOICE, WITH	A MUD RING	TO MATCH THE DEVICE		COM	MPLIANCE
		DE MUD RING AND/OR BOX COVER APPROPRIAT EAVY DUTY FOR 480 VOLT.	TE FOR DEVICE/FIXTURE SERVED.					
	14. SIZE T	O THE EQUIPMENT BEING CONTROLLED						
	FLOOR	DE A FLOOR BOX HUBBELL S1PFB/SISP, TWO H TYPE.	BLSBK, UNE IMZKIBK, AND FIVE	IMBIBK W/FLA	ANGE TO MATCH			
		DE A FLOOR BOX HUBBELL S1PFB/SISP WITH OI TABLE EQUALS ARE HUBBELL, ORTRONICS, SIEN		NE HBL2162B	Κ.			
	18. MATCH	THE VOLTAGE OF THE RELAY WITH THAT OF T SWITCH AT DOOR JAM PER MANUFACTURERS	THE CONTROLLING CIRCUIT.					
	20. FEED 1	THE STYLE LINE RECEP. FROM THE GFCI OUTLE	T SO BOTH ARE GFCI PROTECTE					
		DE HANDY BOX (RACO 663 OR EQUAL) MOUNT AUST FAN, SWITCH WITH LIGHTS UNLESS INDIC/		AMP OR AS	INDICATED ON PLANS.			
	23. PROVID	DE DEVICE UL LISTED TO BE USED WITH THE FI	RE ALARM PANEL/SYSTEM.					
	25. PROVID	DE HUBBELL: ONE OUTLET FRAME ISF20W, ONE DE ONE BR20W	UUVLNELAIE NEZOW.					
		DE HUBBELL: TWO JACKS HXJ60W DE A FLOOR BOX HUBBELL S2431 WITH (1) SB3	3083.					
	28. PROVID	DE TIMER INTERVAL AS SHOWN ON DRAWÌŃGS C	OR LISTED IN SPECIFICATIONS.					
	30. INSTAL	DE RACEWAY WITH OUTLETS 12" ON CENTER. UI L UNIT ABOVE ACCESSIBLE CEILING AND CONNE		S WITH NETWO	RK CABLE AS LISTED			
		E MANUFACTURER. DE 3/4" CONDUIT FROM J-BOX TO ABOVE ACC	ESSIBLE CEILING LINO					
		TROL SYSTEM GROUP ALL COMPONENTS IN SAM						

JIT/0	COND	JCI	FOR S	SCHI	EDULE
	CONDUIT		NDUCTO		
AMPS	CABLE	QTY	SIZE	INSUL.	REMARKS
20	3/4"	2	12	(1)	(2)
20	3/4"	3	12	(1)	(2)
20	3/4"	4	12	(1)	(2)
28	1"	6	8	(1)	(2)
30	3/4"	2 3 4	10	(1)	(2)
30	3/4"	3	10	(1)	(2)
30	3/4"		10	(1)	(2)
30	1"	2 3	10	(1)	(2)
30	1"		10	(1)	(2)
40	3/4"	2 3	8	(1)	(2)
40	1"		8	(1)	(2)
40	1"	4	8	(1)	(2)
50	1"	2	6	(1)	(2)
50	1"	2 3 4	6	(1)	(2)
50	1"		6	(1)	(2)
65	1 1/4"	2 3	4	(1)	(2)
65	1 1/4"		4	(1)	(2)
65	1 1/4"	4	4	(1)	(2)
75	1 1/4"	2 3 4	3	(1)	(2)
75	1 1/4"	3	3 3	(1)	(2)
75	1 1/2"	4	3	(1)	(2)
90	1 1/2"	2 3	2 2 2	(1)	(2)
90	1 1/2"		2	(1)	(2)
90	1 1/2"	4	2	(1)	(2)
100	1 1/2"	3	1	(1)	(2)
100	2"	4	1	(1)	(2)
120	2"	3	1/0	(1)	(2)
120	2"	4	1/0	(1)	(2)
135	2"	3	2/0	(1)	(2)
135	2"	4	2/0	(1)	(2)
155	2" 2 1/2" 2 1/2"	4 3 4	2/0 3/0 3/0 4/0	(1)	(2)
155	2 1/2"	4	3/0	(1)	(2)
180	2"		4/0	(1)	(2)
180	2 1/2" 2 1/2" 2 1/2" 2 1/2"	3	4/0	(1)	(2)
180	2 1/2" 2 1/2" 2 1/2"	4	4/0	(1)	(2)
205	2 1/2"	3	250	(1)	(2)
205	3"	4	250	(1)	(2)
230	3"	3	300	(1)	(2)
230	3"	4	300	(1)	(2)
250	3"	3	350	(1)	(2)
250	3"	4	350	(1)	(2)
270	3"	3	250 250 300 300 350 350 400	(1)	(2)
270	3" 3" 3" 3" 3" 3" 3 1/2"	4	400	(1)	(2)
310	3 1/2"	3	500	(1)	(2)
155 180 180 205 205 230 230 230 250 250 250 250 270 310 310 360	4"	4	500	(1)	(2)
360	4" 2 1/2"	4		(1)	(2)
395	4"	4	800	(1)	(2)
395 410 410	4" 3" 3"	3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3	250	(1)	$\begin{array}{c} (2) \\$
410	3"	4	250 250	(1)	(2)
	~	· ·		/	

ALL CONTAIN A SEPARATE JNDING CONDUCTOR SIZED WITH THE NEC. ACCOUNT FOR

UMINUM CONDUCTORS CABLE

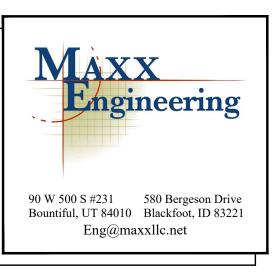
ELLOW ISOLATED GROUND ADDITION TO THE GROUND OTE ABOVE.

∕-A=ALUMINUM, BLANK=COPPER # OF PARALLEL 5AM4 RUNS; BLANK=1 RUN CABLE TYPE; B=NM, S=SER, M=MC, BLANK=CONDUIT

AL SHEET	LIST
E	NUMBER
JLES AND NOTES	E0.0
OWER PLANS	E1.0
ND RISER DIAGRAM	E2.0
DETAILS	E3.0
ECIFICATIONS	E4.0
REPORT	E5.0

GENERAL NOTES

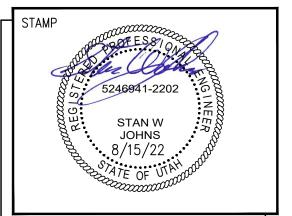
- 1. THE ELECTRICAL SYSTEMS DEFINED BY THESE PLANS AND SPECIFICATIONS ARE TO BE CONSTRUCTED AS COMPLETE AND OPERABLE SYSTEMS AND SHALL BE BID WITH THIS INTENT. THE CONTRACTOR SHALL VISIT THE SITE, READ ALL THE RELEVANT DOCUMENTS AND BECOME FAMILIAR WITH THE TYPE OF CONSTRUCTION AND WORK TO BE ACCOMPLISHED. SHOULD ANY ERROR, OMISSION OR CONFLICT EXIST IN EITHER THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING BEFORE SUBMITTING HIS BID PRICE SO A CHANGE CAN BE ISSUED IN A PRE-BID ADDENDUM. OTHERWISE, THE CONTRACTOR AND/OR EQUIPMENT SUPPLIER SHALL SUPPLY THE PROPER MATERIALS AND LABOR TO INSTALL COMPLETE AND OPERABLE SYSTEMS AT THEIR OWN EXPENSE. WHEN EACH ELECTRICAL SYSTEM IS COMPLETE, THE CONTRACTOR SHALL TEST AND CONFIRM IT'S PROPER OPERATION. ANY INCOMPLETE SYSTEM SHALL BE MADE COMPLETE AND OPERABLE.
- 2. THE ARCHITECTURAL AND MECHANICAL PLANS ARE CONSIDERED A PART OF THE ELECTRICAL DOCUMENTS SO FAR AS THEY APPLY. THE ELECTRICAL CONTRACTOR SHALL REFER TO AND COORDINATE WITH THEM. NO EXTRA COST SHALL BE ALLOWED FOR FAILURE TO COORDINATE THE CONTRACT DOCUMENTS WITH OTHER TRADES AND/OR IF EQUIPMENT DIMENSIONS ARE GREATER THAN SPECIFIED AND/OR DIMENSIONED ON THE PLANS.
- 3. NO ADDITIONS TO THE CONTRACTOR BID WILL BE ALLOWED FOR CHANGES MADE NECESSARY BY INTERFERENCE WITH OTHER WORK.
- 4. THE ELECTRICAL CONTRACTOR SHALL PROVIDE EQUIPMENT, MATERIALS AND LABOR FOR THE CONNECTIONS OF ALL EQUIPMENT SHOWN ON THE PLANS -ARCHITECTURAL, MECHANICAL, ETC.
- 5. THIS PROJECT IS TO BE INSTALLED IN STRICT ACCORDANCE WITH LOCAL AND STATE CODES AND THE NEC. IF AT ANY TIME DURING CONSTRUCTION, OR AFTER, SOMETHING IS FOUND TO BE INSTALLED IN VIOLATION OF THE CODES LISTED ABOVE, IT SHALL BE CORRECTED AT THE CONTRACTORS EXPENSE.
- 6. THE EC SHALL INSTALL A SEPARATE EQUIPMENT GROUNDING CONDUCTOR IN EACH CONDUIT RUN. CONDUIT SHALL NOT BE USED AS AN EQUIPMENT GROUNDING CONDUCTOR. THE EC SHALL GROUND THE ELECTRICAL SYSTEM IN ACCORDANCE WITH LOCAL AND NATIONAL CODES.
- 7. THE CONTRACTOR SHALL NOTIFY THE MANUFACTURER THAT THE LAYOUT AND DIMENSIONS ARE CRITICAL FOR ALL PANELS, SWITCHGEAR, ETC. AND NO PIECE OF EQUIPMENT SHALL EXCEED THE PHYSICAL SIZE INDICATED ON THE PLANS.
- 8. ELECTRICAL CONTRACTOR SHALL CONFIRM MINIMUM CODE (NEC) WORKING CLEARANCE BEFORE INSTALLING ANY ELECTRICAL PANELS OR CABINETS AND SHALL MOVE THE PANELS AT HIS EXPENSE IF REJECTED BY AN INSPECTOR. IF CLEARANCE IS NOT POSSIBLE, THE DESIGNER SHALL BE NOTIFIED IMMEDIATELY IN WRITING.
- 9. THE CONTRACTOR SHALL ALLOW THE MOVEMENT, BEFORE ROUGH-IN, OF ANY ELECTRICAL PANEL, DEVICE, LIGHT FIXTURE, ETC. A DISTANCE OF 10 FEET WITHOUT REQUIRING ADDITIONAL COST TO THE PROJECT.
- 10. THE ELECTRICAL CONTRACTOR SHALL SECURE ALL CONDUIT CABLE TO THE STRUCTURE AS IT IS SET IN PLACE USING INDUSTRY STANDARD METHODS AND PRACTICES.
- 11. TO ASSURE ALL DEVICES ARE RIGIDLY SET, THE ELECTRICAL CONTRACTOR SHALL SECURE ALL DEVICE BOXES WITH BRACKETS, HANGERS, ETC. DESIGNED FOR THE APPLICATION. ANY DEVICE BOXES NOT SECURED WILL BE MADE SECURE AT THE CONTRACTORS EXPENSE.
- 12. BEFORE ANY ELECTRICAL CONDUIT, BOXES, ETC. ARE COVERED (FLOOR, CEILINGS, WALLS, ETC.), THEY SHALL BE APPROVED BY THE INSPECTING OFFICER (INSPECTOR). THE UNCOVERING AND REPLACEMENT OF ELECTRICAL WORK FOR THE INSPECTION PURPOSES WILL BE AT THE COST OF THE ELECTRICAL CONTRACTOR.
- 13. ALL BATTERY POWERED OR CONTINUOUS BURN LIGHT FIXTURES SHOWN ON THE PLANS, SUCH AS EXIT LIGHTS, NIGHT LIGHTS, OR EMERGENCY LIGHTS, SHALL BE CONNECTED TO THE UN-SWITCHED LEG OF THE LIGHTING CIRCUIT FEEDING THAT AREA.
- 14. ALL SURFACE/LAYIN MOUNTED FIXTURES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE AND NOT THE CEILING GRID.
- 15. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL THE STRUCTURED CABLING FROM EACH STRUCTURED CABLING OR MULTIMEDIA OUTLET TO THE STRUCTURED CABLING/DATA BOARD/RACK. THE CABLE SHALL BE LABELED ON EACH END FOR PROPER IDENTIFICATION BEFORE THE CABLE ENDS ARE TERMINATED. THE ELECTRICAL CONTRACTOR SHALL TERMINATE THE CABLES IN THE OUTLET AND IN THE PATCH PANEL OR BLOCK IN THE TELECOMMUNICATIONS CLOSET.
- 16. DURING CONSTRUCTION, THE ELECTRICAL CONTRACTOR SHALL REMOVE, REROUTE, AND/OR RELOCATE ANY EXISTING ELECTRICAL EQUIPMENT THAT CONFLICTS WITH THE REMODEL OR ADDITION. ALL SYSTEMS SHALL BE OPERABLE AT THE COMPLETION OF THE PROJECT. EQUIPMENT THAT IS NOT REUSED BECOMES THE PROPERTY OF THE ELECTRICAL CONTRACTOR AND SHALL BE REMOVED FROM THE PREMISES.
- 17. THE ELECTRICAL CONTRACTOR SHALL MAINTAIN ELECTRICAL CONTINUITY TO REMAINING EQUIPMENT WHEN ANY EXISTING ELECTRICAL EQUIPMENT IS REMOVED.
- 18. ALL COSTS FROM THE USE OF THE EXISTING PANEL SHALL BE INCLUDED IN THE CONTRACTOR'S BASE BID, I.E. CHANGE IN BREAKER SIZE, ETC.
- 19. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE KITCHEN OR EQUIPMENT SUPPLIER ON THE EXACT LOCATIONS OF ALL EQUIPMENT AND ELECTRICAL CONNECTIONS PRIOR TO ROUGH-IN. THE EC SHALL MAKE THE FINAL CONNECTION TO ALL KITCHEN AND/OR EQUIPMENT.



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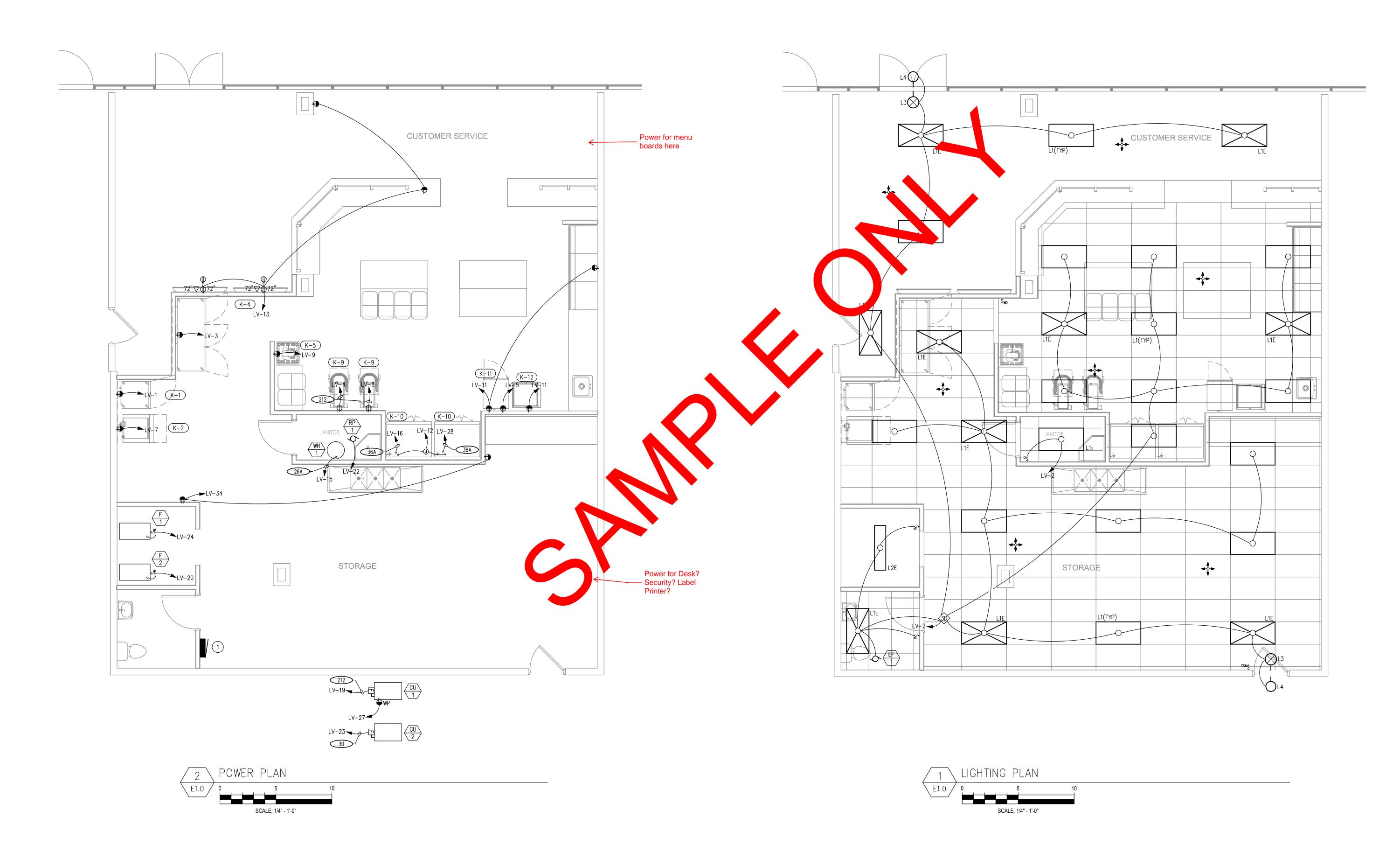
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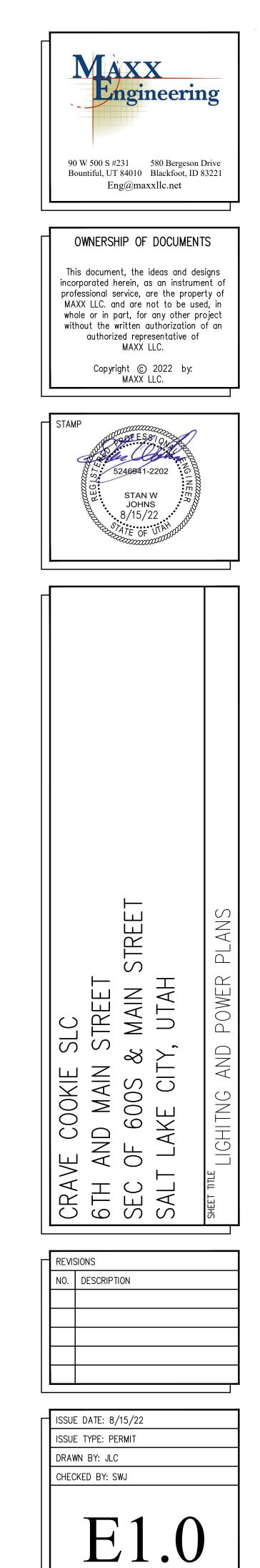


CRAVE COOKIE SLC
6TH AND MAIN STREET
SEC OF 600S & MAIN STREET
SALT LAKE CITY, UTAH
CHEET TITLE ELECTRICAL SCHEDULES AND NOTES

	REVIS	SIONS
	NO.	DESCRIPTION
l '		

ISSUE DATE: 8/15/22 ISSUE TYPE: PERMIT DRAWN BY: JLC
CHECKED BY: SWJ
E0.0





KEYED NOTES
 PANEL LV. IF EXISTING CONFIRM LOCATION. IF NOT EXISTING PROVIDE NEW. SEE SHEET E2.0.

		ULATIONS		L NQ		VOLI	AGE	208	/ 120		MOUNTING		FEED	225	main Amp		<u>DIMS</u> 20"	w	SPE X
DESCRIPTION LOAD	DEMAND	NEW LOAD AMPS	TYPE		opfirm	PHAS	E <u>3</u>		4		FLUSH	x	ТОР	x	LUGS	6	5.75"	D	
CONTINUOUS 1139 NON-CONTINUOUS 10338	1.25 1	1424 10338	LOCA	TION	ontirm						SURFACE		воттом			KER	50"	н	
KITCHEN 56938 RECEPTACLES 1620	0.65	37010 1620	CIR NO.	CIRCUIT DESCRIPTION	CODE		COMIS	P AMP		LOAD	A	MBINED PH. B	ASES C	CIRCUIT LOAD	SIZE	AMP	P MIS	CO LTS	
MOTORS 1392	1	1392	1	K-1 K-4				1 15 1 15	12 12	528 672	1667	2197	1	1139 1525	10		1 1 2 1	31	1,5
DTAL SERVICE LOAD (208 VOLTS)		53628 = 148.9	5	K-11 K-2			1	1 20	12	1500	2024	1	3025	1525			-		
			9	K-5			1	1 20 1 20	12 12	1296 1150	2821	2675	1	1525 1525			2 1		1,
			11 13	K-12 Customer Service)		2 6	1 20 1 20	12 10	692 1080	7080	1	1692	1000 6000	12	15	1 2		-
			15 17	WH-1	1		1	2 45		4500 4500		10500	10500	6000 6000		50	3 1		1
			19	CU-1	1		1	2 30		1955	3431		10500	1476	12		1 1		
			21 23	 CU-2	1		1	2 40		1955 2714		2195	3866	240 1152	12 12		1 1		
			25 27	 Exterior by Mech			1	- 1 20	12	2714 180	8714	6180	1	6000 6000		50	- 3 1		1
			29	Existing Circuit or Sp	are		_	1 20				1	6000	6000			-		
			33	Existing Circuit or Sp Existing Circuit or Sp	are			1 20 1 20			0	360	1	360	12		1	2	
			35	Existing Circuit or Sp Existing Circuit or Sp	are are		_	1 20 1 20			0	1	0			20 20			
			39	Existing Circuit or Sp	are			1 20				0]			20	1		
			NOTE	Existing Circuit or Sp E: PROVIDE BRE	AKERS I		LAS	1 20 REQUIRE	D FOR	VA		24107	0 25083			20 A CODE			
			THE	EXISTING CIRCU	its to re	MAIN.				DIV AMPS		16627 139	18007 150	AV. AMF 149				IGS FOR C	
									l	AWFS	150	159	150	143	<u> A</u>		BFEED B		
																		CK OFF DE	
														5 PAN	el, all		S LUGS, E	BREAKERS	, ETC

<u>riser diagram</u> No scale

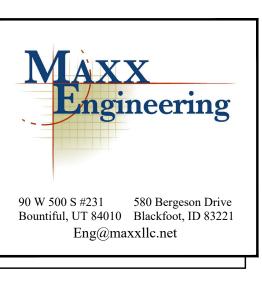
SPECIAL EQUIPMENT X GROUND BUS SUB-FEED BRKR NEMA 3R SURGE PROTECTOR

	SURGE PROTECTOR	
	-	
	CIRCUIT	CIR
DE	DESCRIPTION	NO.
	LIGHTING, EF-1	2
5	K-9	4
		6
5	K-9	8
		10
	K-10 CONTROL	12
		14
	K-10	16
		18
	F-2	20
	RP-1	22
	F-1	24
		26
	<mark>K-1</mark> 0	28
		30
	SPARE	32
	STORAGE	34
	Existing Circuit or Spare	36
	Existing Circuit or Spare	38
	Existing Circuit or Spare	40
	Existing Circuit or Spare	42
IT 8	CONDUCTOR SIZE	
	5 = GFCI BREAKER	
	6 = GFEP BREAKER	

TC. SHALL BE RATED FOR 75 DEG C

(#) KEYED NOTES

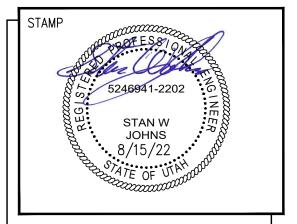
- 1. METER WITH 200A BREAKER IN EXISTING "ELECTRICAL METERS 116B" ROOM. FIELD CONFIRM EXISTING CONDITIONS PRIOR TO BID.
- 2. PANEL LV. FIELD CONFIRM IF EXISTING PANEL. IF IT IS EXISTING CONFIRM IT MEETS THE REQUIREMENTS SHOWN IN THE PANEL SCHEDULE THIS SHEET. IF IT IS NOT EXISTING PROVIDE A NEW PANEL AS SHOWN IN PANEL SCHEDULE THIS SHEET. FIELD CONFIRM EXISTING CONDITIONS PRIOR TO BID.
- 3. PROVIDE FEEDER FROM METER TO PANEL LV IF PANEL LV IS NOT EXISTING OR IF IT IS EXISTING AND NEEDS TO BE INCREASED IN CAPACITY AS SHOWN IN PANEL SCHEDULE THIS SHEET. FIELD CONFIRM EXISTING CONDITIONS.
- 4. IF PANEL LV IS EXISTING PROVIDE BREAKERS IN IT AS REQUIRED FOR THE EXISTING CIRCUITS TO REMAIN.



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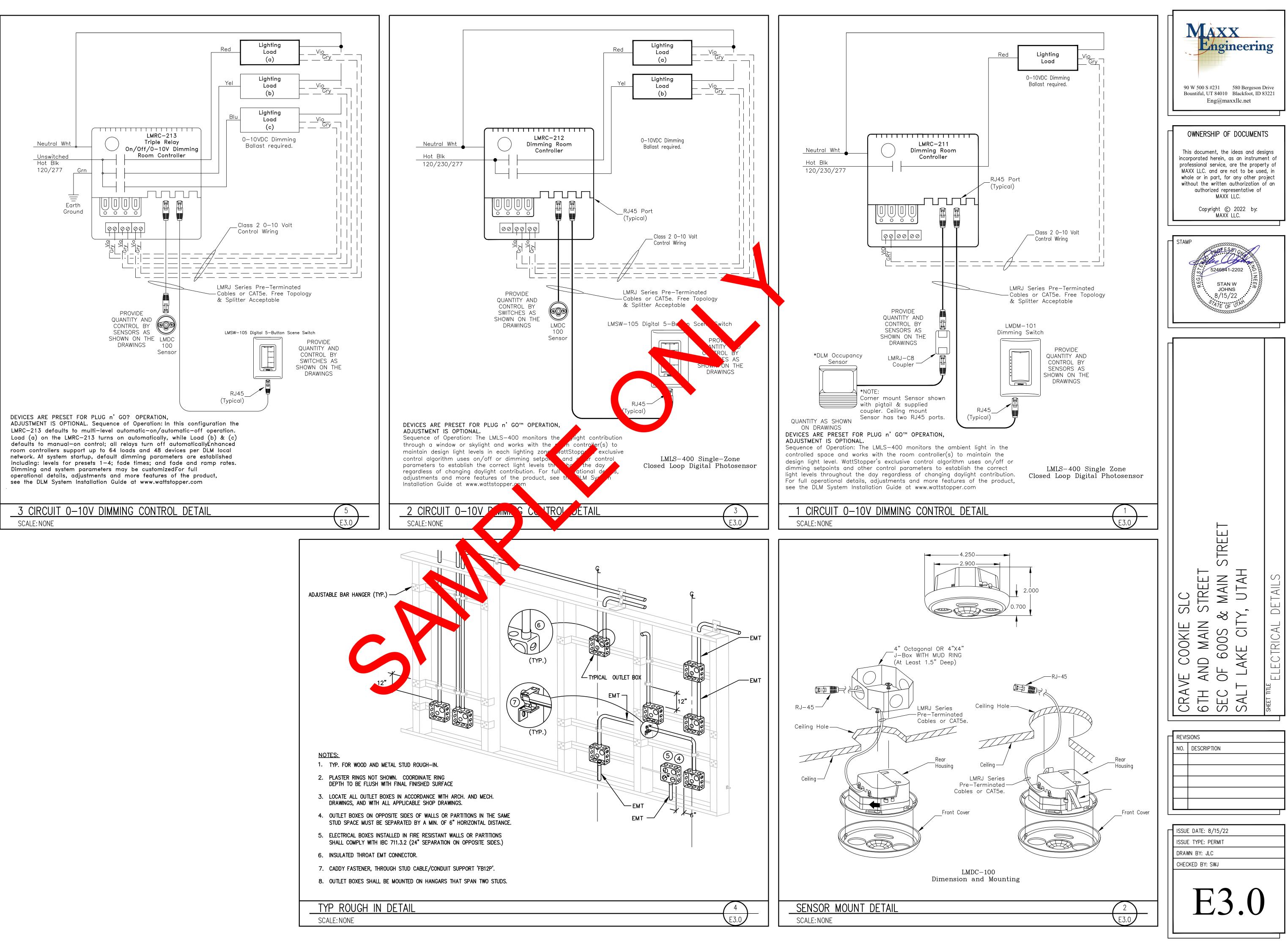
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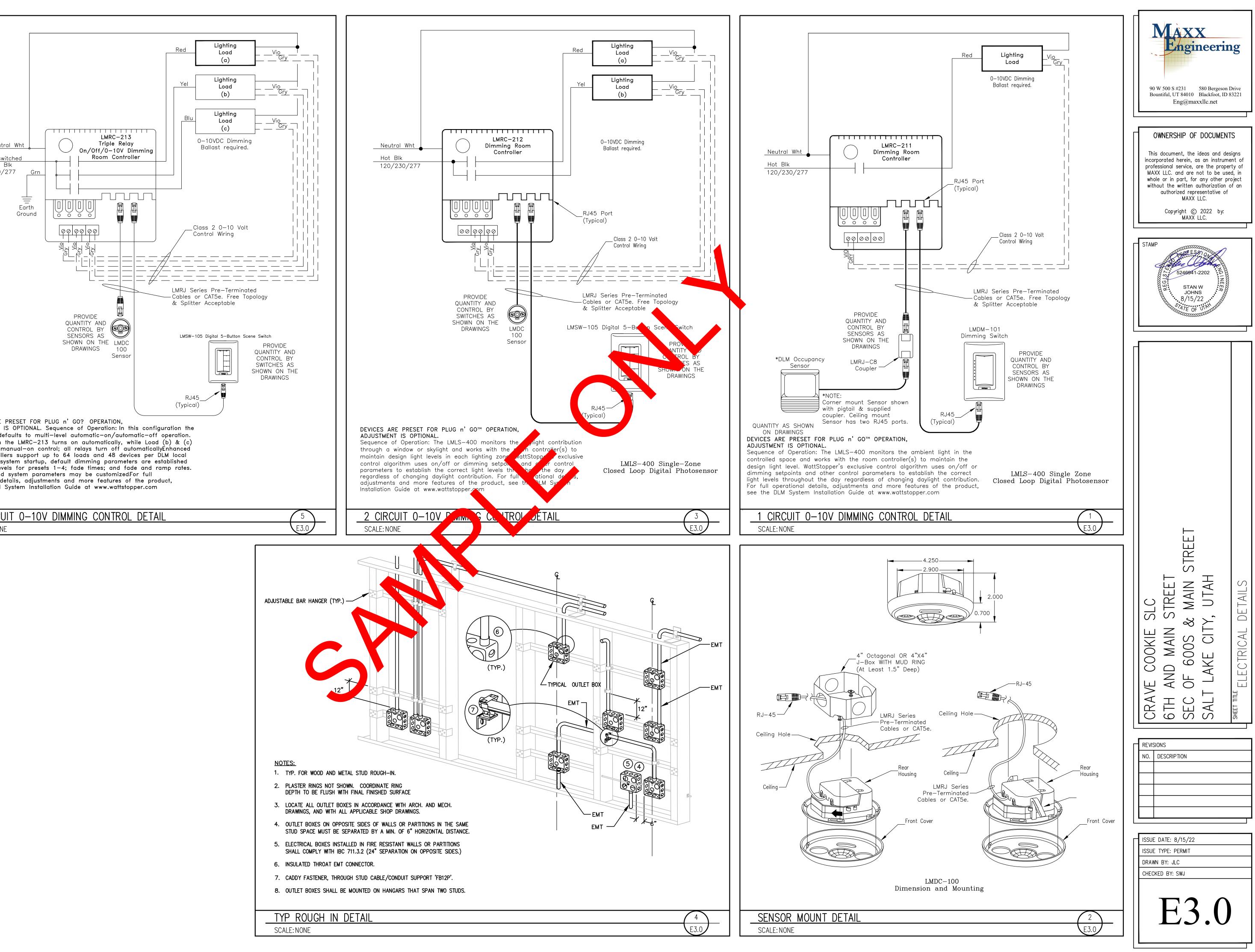
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CRAVE COOKIE SLC 6TH AND MAIN STREET SEC OF 600S & MAIN STREET SALT LAKE CITY, UTAH SALT LAKE CITY, UTAH	SHEET TILE ELECTRICAL PANELS AND RISER DIAGRAM
REVISIONS NO. DESCRIPTION	
ISSUE DATE: 8/15/22	
ISSUE TYPE: PERMIT	
DRAWN BY: JLC	
CHECKED BY: SWJ	

E2.





FUSES

- 1. FUSES SHALL BE CLASS "RK-1" REJECTION TYPE OR TYPE KLLU OR AS NOTED ON THE DRAWINGS. FUSES SERVING MOTOR LOADS SHALL BE DUAL ELEMENT WITH A MINIMUM TIME DELAY OF 10 SECONDS AT 500% RATING. FUSES SHALL BE CURRENT LIMITING TIME DELAY TYPE WITH INTERRUPTING CAPACITY OF 200,000 AMP RMS SYMMETRICAL.
- 2. FUSES SERVING SWITCH OR CIRCUIT BREAKER DISTRIBUTION PANELS, LIGHTING PANEL BOARDS AND OTHER NON-MOTOR LOADS NEED NOT BE TIME DELAY TYPE, BUT SHALL BE CURRENT LIMITING WITH THE INTERRUPTING CAPACITY OF 200,000AMP RMS SYMMETRICAL MINIMUM. FUSES SHALL BE BUSSMAN, GOULD OR LITTELFUSE.
- 3. PROVIDE FUSES SIZED TO THE MAXIMUM SIZE RECOMMENDED BY THE MANUFACTURER OF THE EQUIPMENT OR AS SHOWN ON THE DRAWINGS IF THE MANUFACTURER DOES NOT HAVE A RECOMMENDED SIZE.
- PART 3 EXECUTION

GENERAL

- 1. ALL MATERIALS SHALL BE INSTALLED IN A PROFESSIONAL MANNER INDICATIVE OF THE TRADE. 2. ALL PENETRATIONS OF THE WALLS, FLOORS AND ROOF SHALL BE SEALED WITH APPROPRIATE BOOTS, SEALANT OR CAULK FOR THE PARTICULAR SURFACE INVOLVED AND AS REQUIRED TO MAINTAIN A FIRE PROOF SEAL.
- RACEWAYS
- 1. RACEWAYS SHALL BE INSTALLED CONCEALED UNLESS OTHERWISE INDICATED. EXPOSED RACEWAY RUNS SHALL BE PARALLEL WITH SUPPORTING WALLS, BEAMS, AND CEILINGS AND WITH EACH OTHER AND SHALL NOT BE INSTALLED CLOSER THAN 6 INCHES TO ANY WATER PIPE OR HEATER FLUME.
- . RACEWAY ENDS SHALL BE REAMED AFTER THREADING AND AFTER CUTTING AND BE MADE TO BUTT IN THE CENTER OF THE COUPLING. THE USE OF RUNNING THREADS IS PROHIBITED.
- 3. RACEWAYS SHALL BE INSTALLED AS A COMPLETE SYSTEM, CONTINUOUS FROM OUTLET TO OUTLET, CABINET, BOX OR FITTINGS, AND SHALL BE MECHANICALLY CONNECTED SO THAT ADEQUATE ELECTRICAL CONTINUITY FROM ONE TO ANOTHER IS OBTAINED. CONDUITS SHALL BE SUPPORTED WITH ONE OR TWO HOLE STAMPED STEEL OR MALLEABLE IRON STRAPS (SUCH AS MANUFACTURED BY RACO) DESIGNED FOR SUPPORTING CONDUIT. THE SIZE OF STRAP SHALL MATCH THE SIZE OF THE CONDUIT. NAILS, PERFORATED STRAP, OR PLUMBERS TAPE SHALL NOT BE USED FOR SUPPORT OF RACEWAY.
- 4. PROVIDE 1/8" POLY PULL CORD IN RACEWAYS WITHOUT CONDUCTORS.
- 5. FOUR 90 DEGREE BENDS MAXIMUM BETWEEN TERMINATIONS OR BOXES. 6. COMMUNICATIONS OUTLETS: PROVIDE A 3/4" CONDUIT FROM EACH OUTLET STUBBED UP ABOVE THE CEILING AND BENT TOWARD THE HALLWAY, CABLE TRAY OR IT ROOM UNO. PROVIDE AN INSULATED THROAT CONNECTOR ON BOTH ENDS OF THE CONDUIT.
- 7. FIRE ALARM CONDUITS INSTALLED ABOVE DROP CEILING AND OTHER CONCEALED SPACES SHALL BE PROVIDED WITH 2-INCH RED BANDS EVERY 10 FEET.
- CONDUCTORS 1 ALL CONDUCTORS SHALL BE INSTALLED IN CONDULT AND COLOR CODED AS FOLLOWS:

•	ALL CONDUCTOR	IS SHALL BE INSTALLED) IN CONDUIT AND COLOF	R CODED AS FOLL
	PHASE	120/240	208/120	480/277
	PHASE A	BLACK	BLACK	BROWN
	PHASE B	RED	RED	ORANGE
	PHASE C		BLUE	YELLOW
	NEUTRAL	WHITE	WHITE	GREY
	GROUND	GREEN	GREEN	GREEN
、				

2. MAKE JOINTS, SPLICES, TAPS AND CONNECTIONS IN CONDUCTORS WITH SOLDERLES CONNECTORS. 3. ALL CIRCUITS THAT REQUIRE A NEUTRAL SHALL BE PROVIDED WITH A DEDICATED NEU

- NOT SHARE NEUTRALS. 4. WIRING FOR FIRE ALARM SHALL BE TWISTED AND/OR SHIELDE
- ZE AS RECOMMENDED BY THE MANUFACTURER OF THE EQUIPMENT AND TO ENSURE PROP VOLTAGE AT THE DEVICE (AVOID VOLTAGE DROP OF MORE THAN 3%).
- JUNCTION AND PULL BOXES
- 1. PULL BOXES SHALL BE PROVIDED WHERE INDICATED AND WHE CESSARY T CILITATE THE PULLING OF CONDUCTORS. GROUNDING
- 1. INSTALL A CODE SIZED GROUNDING CONDUCT N ALL RACEWAYS AND BLES. DO NOT USE THE RACEWAY FOR GROUNDING. MAKE GOOD ON PACT AT ALL PANYL BOARDS, OUTLET BOXES, AND JUNCTION OR PULL BOARD THE REWAY SYSTEM SE APPROVED BONDING MATERIALS.
- 2. PROVIDE A CODE SIZED UFEP COUND AT N ALL NEW BUILDINGS. MAIN SE BONDING
- 1. BOND ALL PIPING (GAS WATER, S) REQUIRED BY THE NEC. CONFIRM SYSTEMS TO BE USED WITH MC. LUMINAIRE INSTALLATION
- ALL FIXTURES RECESSE AN SURFACE ALL BE SUPPORTED FROM THE STRUCTURE AND NOT FROM THE CEILING RAME OR GRID LILING.
 INSTALL ISSED LUMIN RES IN TRMIT REMOVAL FROM BELOW.
- 3. LOCATE MIN. S AS IN: ATED O. THE DRAWINGS. 4. INSTALL A. SSORIL I'RN LED WITH AND REQUIRED FOR EACH LUMINAIRE.
- 5. INSTALL GRID NNG CLIPS RECESSED LUMINAIRES.
- REQUIREMEN
- TYPE LIGHT S FIXTURES, IN ADDITION TO THE STANDARD SEISMIC CLIPS AND BAR GRID SYSTEM, SHALL HAVE 2#12 STEEL SAFETY WIRES PER FIXTURE. SUPPOR OF EAL SAFETY WIRE SHALL BE SECURELY FASTENED TO THE BUILDING STRUCTURE. THER END (6 INCHES LONGER THAN THE T-BAR GRID SUPPORT WIRES) SHALL BE TENED TO DIAGONAL CORNERS OF EACH LIGHTING FIXTURE.
- AND PATCHING RM DRILLING, CUTTING, AND PATCHING OF THE GENERAL CONSTRUCTION WORK WHETHER EXISTING OR NEW, AS REQUIRED FOR THE INSTALLATION OF ELECTRICAL WORK. PATCH WITH THE SAME MATERIALS, WORKMANSHIP, AND FINISH AS THE ORIGINAL WORK AND ACCURATELY MATCH ALL SURROUNDING WORK. SUCH WORK WILL BE DONE BY A CRAFTSMAN ACCREDITED IN THE APPLICABLE TRADE UNDER THE CONTRACTOR'S SUPERVISION AND BE ACCEPTABLE TO THE OWNER'S REPRESENTATIVE. COORDINATE WITH OTHER TRADES AND GENERAL CONTRACTOR PRIOR TO CUTTING, DRILLING, OR CORING.
- WIRING DEVICES
- 1. MOUNTING HEIGHTS TO THE CENTER OF THE DEVICE AND ORIENTATION SHALL BE AS FOLLOWS: LIGHT SWITCHES — — — — — — — — — — — — — — — 48" AFF
- CONVENIENCE & TELEPHONE OUTLETS ABOVE COUNTER -----44" AFF DATA. TELEPHONE. TV AND
- CONVENIENCE OUTLETS (TYPICAL) — — — — — — 18" AFF ALL PANELS ARE TO BE MOUNTED/ INSTALLED AT AN ACCESSIBLE HEIGHT
- FOR BOTH TYPE A AND TYPE B UNITS -----48" AFF
- ALL MOUNTING HEIGHTS ARE TYPICAL UNLESS NOTED OTHERWISE ON THE PLANS. ALL SWITCHES AND THERMOSTATS TO BE MOUNTED AS CLOSE TO DOOR JAMB AS POSSIBLE.
- COORDINATE ALL DEVICES WITH ARCHITECTURAL PLANS AND DETAILS. RECEPTACLES SHALL BE ORIENTED WITH THE GROUND TERMINAL UP WHEN INSTALLED VERTICAL AND WITH THE NEUTRAL TERMINAL(S) UP WHEN INSTALLED HORIZONTAL.
- TESTING
- 1. DEMONSTRATE THAT ALL COMPONENTS OF THE WORK OF THIS DIVISION HAVE BEEN PROVIDED AND THAT THEY OPERATE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- 2. TEST WIRING AND CONNECTORS FOR CONTINUITY, SHORT CIRCUITS AND IMPROPER GROUNDS. TEST EACH LIGHTING AND APPLIANCE PANEL WITH MAINS DISCONNECTED FROM FEEDERS, BRANCHES CONNECTED, WALL SWITCHES CLOSED AND FIXTURES PERMANENTLY CONNECTED AND COMPLETE WITH LAMPS. TEST EACH INDIVIDUAL POWER CIRCUIT WITH THE POWER EQUIPMENT CONNECTED FOR PROPER OPERATION.
- 3. PROVIDE DETAILED DOCUMENTATION OF EACH TEST PERFORMED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE, WITH THE NAMES AND THE SIGNATURES OF QUALIFIED INDIVIDUALS WHO CONDUCTED AND WITNESSED EACH TEST.

- 4. BOXES FOR STRUCTURED CABLING (DATA & PHONE) IN INTERIOR DRY LOCATION GALVANIZED ONE-PIECE PRESSED STEEL, KNOCKOUT TYPE 4 11/16" x 2 1/8"; RAYCO OR EQUAL.
- 5. ALL BOXES IN FINISHED SPACES SHALL BE PROVIDED WITH MUD RINGS AS REQU DEVICE AND WALL MATERIAL.
- 6. OUTDOOR AND WET OR DAMP LOCATIONS: PROVIDE CAST METAL OR PVC OUTLE AND PULL BOXES. 7. ALL DEVICE BOXES SHALL BE SUPPORTED FROM A MINIMUM OF TWO SEPARATE
- FRAMING MEMBERS. CONDUCTORS
- 1. SOFT DRAWN, ANNEALED COPPER IN RACEWAY OR CABLE SIZED AS SHOWN ON MINIMUM #12 AWG UNLESS NOTED OTHERWISE. #8 AWG AND LARGER SHALL BE
- 2. ALUMINUM CONDUCTORS IN RACEWAY OR CABLE MAY BE USED FOR CONDUCTO LARGER WHERE THE CONNECTORS USED ARE LISTED FOR USE WITH THE ALUMIN CONDUCTORS.
- 3. CONDUCTORS SHALL XHHW-2, THHN OR THWN-2 COLOR CODED IN ACCORDANC SECTION C. 1. OF THESE SPECIFICATIONS OR AS INDICATED ON THE DRAWINGS. 4. CONDUCTORS SHALL BE USED AS LISTED BY THE NEC.
- WIRING CONNECTIONS
- 1. MAKE ALL ELECTRICAL CONNECTIONS.
- 2. MAKE CONNECTION TO DEVICES USING "PIG-TAILS". DO NOT USE A DEVICE AS
- OR A SPLICE UNIT. 3. DO NOT PLACE STRANDED CONDUCTORS DIRECTLY UNDER SCREWS. INSTALL CR INSULATED, FORK TERMINALS FOR CONDUCTOR TERMINATIONS, OR INSTALL SOLIE
- NAMEPLATES 1. PROVIDE EACH PANEL BOARD AND DISCONNECT SWITCH WITH A MICARTA PLAS MADE OF WHITE-FACED BLACKCORE ASTIC LAMINATE WITH 1/4" HIGH LETTERIN NAMEPLATE SHALL INCLUDE DESIGNATION, DRAWING, PHASE, VOLTAGE, AND PAN FROM. FASTEN WITH SCREWS OR RISS. NO OTHER ATTACHMENT METHOD IS DETAIL ON DRAWINGS.
- DETAIL UN DIAMINGS.
- 2. PROVIDE A COMMUNICATIONS PANEL OR SKBOARD FOR THE COMMUNICATIONS 3. PROVIDE A 3/4" CONDUIT WITH ONE CATE FROM THE COM PANEL TO EA COMMUNICATIONS OUTLET UNLESS NOTED OTHERWISE.
- 4. PROVIDE CONTRACTIONS OUTLETS WHERE SHOWN ON THE DRAWINGS. 5. MAKE CONNECT ON BOTH ENDS OF EACH CABLE ACCORDING TO 568B STAP
- WIRING DE L BE WHITE. 1. PLATES – OR OF
- 2_____TELEPHONE AN ATA OUL IS SHALL BE PROVIDED WITH CONNECTORS AS IND AS SHOWN ON THE PLANS OR EQUAL OF P&S, LEVITON WITCHES -
- AMP, SILENT TYPE. COLOR SHALL BE WHITE. CLES - SHALL BE AS SHOWN ON PLANS OR EQUAL OF P&S, LEVITON COLOR SHALL BE WHITE. 204MF
- ECIAL PURPOSE OUTLETS SHALL BE AS INDICATED ON THE DRAWINGS.
- BOARDS AD FRONT TYPE, EQUIPPED WITH BOLT - ON CIRCUIT BREAKERS AND PROVIS UTURE BREAKERS, AS INDICATED. SQARE D OR CUTLER HAMMER. THE NUMB TYPE, VOLTAGE, AND AMP RATING SHALL BE AS INDICATED ON THE PLANS. B BE COPPER OR ALUMINUM. PROVIDE FULL SIZE GROUND BUS. NEUTRAL WIRES CONNECTED TO A COMMON NEUTRAL BUS WITH BINDING SCREWS OR LUGS, THE
- SHALL BE INSULATED FROM THE CABINET. 2. FURNISH COMPLETE WITH DOOR, KEYED LOCK AND TYPE WRITTEN, LAMINATED D CABINETS SHALL BE RIGIDLY SUPPORTED INDEPENDENT OF CONDUITS.
- 3. PROVIDE FULLY RATED PANEL BOARDS WITH A MINIMUM AIC RATING AS INDICAT DRAWINGS.
- 4. PROVIDE NEW BREAKERS IN EXISTING PANELBOARDS/SWITCHGEAR AS INDICATED SCHEDULES. THE BREAKERS SHALL HAVE AN AIC RAITING AS SHOWN ON THE P SCHEDULE.
- 5. INSTALL PANELS WITH TOP CIRCUIT BREAKER AT 48" AFE IN UNITS DESIGNATED ACCESSIBLE AND AS REQUIRED BY CODE.
- INTERIOR AND EXTERIOR LUMINAIRES 1. PROVIDE LIGHTING SYSTEM COMPLETE WITH LAMPS AND ACCESSORIES, AS INDICA CONTRACT DOCUMENTS.
- 2. LUMINAIRES a) PROVIDE COMPLETE LUMINAIRE ASSEMBLIES OF TYPE INDICATED ON THE DRA FEATURES, OPTIONS AND ACCESSORIES AS SCHEDULED AND AS NEEDED FOR ASSEMBLY AND INSTALLATION.
- 3. LIGHTING CONTROLS
- a) PROVIDE LIGHTING CONTROLS AS INDICATED ON THE DRAWINGS WITH EQUALS WATTSTOPPER AND NLIGHT.
- b) ALL SENSORS SHALL BE PROGRAMMED AS OCCUPANCY SENSORS WITH A 10 BEFORE OFF UNO.
- c) LOCATE CEILING OCCUPANCY SENSORS IN A LOCATION THAT SEES THE ROOM NOT SEE PEOPLE WALKING PAST THE OPEN DOOR. SECTION NOT USED
- M. SAFETY SWITCHES
- 1. THE ELEECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL SAFETY SWITCHES ON THE DRAWINGS OR AS REQUIRED. ALL SAFETY SWITCHES SHALL BE UL LISTE SWITCHES SHALL BE FUSED SAFETY SWITCHES OR NON-FUSED SAFETY SWTICHE ON THE DRAWINGS OR REQUIRED BY CODE AND SHALL BE MANUFACTURED BY GENERAL ELECTRIC, SIEMENS OR CUTLER HAMMER.
- 2. SWITCHES SHALL HAVE A QUICK-MAKE AND QUICK-BREAK OPERATING HANDLE MECHANISM WHICH SHALL BE AN INTEGRAL PART OF THE BOX. PADLOCKING PI SHALL BE PROVIDED FOR PADLOCKING IN THE OFF POSITION WITH AT LEAST TH SWITCHES SHLL BE HORSEPOWER RATED FOR 250 VOLTS AC OR DC OR 600 VOL REQUIRED. LUGS SHALL BE UL LISTED FOR COPPER AND ALUMINUM CABLE AND TEMPERATURE RATING OF AT LEAST 75 DEGREES C.
- 3. SWITCHES SHALL BE FURNISHED IN NEMA 1 GENERAL PURPOSE ENCLOSURES WIT UNLESS OTHERWISE NOTED OR REQUIRED. SWITCHES LOCATED ON THE EXTERIOR BUILDING OR IN "WET" LOCATIONS SHALL HAVE NEMA 3R ENCLOSURES (WP).
- 4. THE SAFETY SWITCHES SHALL BE SECURELY MOUNTED IN ACCORDANCE WITH TH CONTRACTOR SHALL PROVIDE ALL MOUNTING MATERIALS AND INSTALL FUSES IN SAFETY SWITCHES. THE FUSES SHALL BE DUAL ELEMENT ON MOTOR CIRCUITS.
- 5. PROVIDE FUSES AS SPECIFIED BELOW. FUSES SHALL BE INSTALLED SO THAT TH CLEARLY VISIBLE WITHOUT REMOVING FUSE. PROVIDE A SPARE FUSE FOR EACH INSTALLED.
- 6. PROVIDE A NAMEPLATE ON EACH DISCONNECT SWITCH AS SPECIFIED IN "NAMEP

	ELECTRICAL SPECIFICATIONS	MAXX Engineering
NS SHALL BE APPLETON,	PART 1 – GENERAL A. DESCRIPTION	Engineering
UIRED FOR THE	 PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND TRANSPORTATION AS REQUIRED TO PROPERLY INSTALL A COMPLETE AND OPERABLE ELECTRICAL SYSTEM AS DEFINED BY THESE DRAWINGS AND APPLICABLE CODES. 	
ET, JUNCTION,	 B. RULES AND REGULATIONS 1. ALL WORK AND MATERIALS SHALL BE INSTALLED AS SHOWN AND HEREIN SPECIFIED. 	90 W 500 S #231 580 Bergeson Drive
STUDS OR	2. THE LATEST EDITIONS OF THE FOLLOWING SPECIFICATIONS, STANDARDS, AND AMENDMENTS, AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION, SHALL FORM A PART OF THIS SPECIFICATION THE SAME AS IF HEREIN WRITTEN OUT IN FULL (ALL MATERIALS AND INSTALLATIONS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS THEREOF):	Bountiful, UT 84010 Blackfoot, ID 8322 Eng@maxxllc.net
THE PLANS. STRANDED.	a) NFPA (NATIONAL FIRE PROTECTION ASSOCIATION), PUBLICATION NUMBER 70, "NATIONAL, ELECTRICAL CODE"; PUB. NO. 72E, "AUTOMATIC FIRE DETECTORS".	OWNERSHIP OF DOCUMENTS
RS SIZED #8 OR NUM	 b) UL (UNDERWRITERS LABORATORIES, INC.). c) NEMA (NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION). 	This document, the ideas and designs
CE WITH PART 3,	d) UBC (UNIFORM BUILDING CODE) AND STANDARD BUILDING CODE. e) IBC (INTERNATIONAL BUILDING CODE) f) IFC (INTERNATIONAL FIRE CODE)	incorporated herein, as an instrument professional service, are the property of
	g) IECC (INTERNATIONAL ENERGY CONSERVATION CODE) h) IEC (INTERNATIONAL ELECTRICAL CODE)	MAXX LLC. and are not to be used, in whole or in part, for any other projec without the written authorization of a
S A CONNECTION	 i) STATE AND LOCAL BUILDING AUTHORITY AND CODES 3. NO REQUIREMENT TO THESE DRAWINGS AND SPECIFICATIONS SHALL BE CONSTRUCTED TO VOID ANY OF THE PROVISIONS OF THE ABOVE SPECIFICATIONS AND STANDARDS. 	authorized representative of MAXX LLC.
IMP-ON, ID CONDUCTORS.	C. PERMITS AND INSPECTIONS UNLESS OTHERWISE SPECIFIED, THE CONTRACTOR SHALL APPLY, PAY FOR AND SCHEDULE ALL APPLICABLE PERMITS, FEES AND INSPECTIONS REQUIRED BY ANY AND ALL PUBLIC AUTHORITIES HAVING JURISDICTION AND REQUIRING INSPECTION AND THE OWNER.	Copyright © 2022 by: MAXX LLC.
TIC NAMEPLATE RING.	D. WORKMANSHIP AND MATERIALS 1. WORKMANSHIP SHALL BE OF THE BEST QUALITY AND NONE BUT COMPETENT PERSONNEL SKILLED IN THEIR TRADE SHALL BE EMPLOYED. THE CONTRACTOR SHALL FURNISH THE	STAMP
NEL IT IS FED S ALLOWED. SEE	SKILLED IN THEIR TRADE SHALL BE EMPLOYED. THE CONTRACTOR SHALL FURNISH THE SERVICES OF AN EXPERIENCED SUPERINTENDENT, WHO WILL BE IN CHARGE OF THE EXECUTION OF WORK, UNTIL COMPLETED AND ACCEPTED.	and the second s
S.	2. UNLESS OTHERWISE HEREIN AFTER SPECIFIED, ALL MATERIALS AND EQUIPMENT UNDER THIS DIVISION OF THE SPECIFICATIONS SHALL BE NEW, OF BEST GRADE AND AS LISTED IN PRINTED CATALOGS OF THE MANUFACTURER. EACH ARTICLE OF IT'S KIND SHALL BE THE STANDARD	STAN W 7 JOHNS JOHNS
ACH	PRODUCT OF A SINGLE MANUFACTURER. 3. THE OWNER'S REPRESENTATIVE SHALL HAVE THE RIGHT TO ACCEPT OR REJECT MATERIAL EQUIPMENT AND/OR WORKMANSHIP AND DETERMINE WHEN THEY HAVE COMPLIED WITH THE	8/15/22 000 8/15/22 000 8/17/2 OF UT MODULA
NDARDS.	REQUIREMENTS HEREIN SPECIFIED. 4. ALL MANUFACTURED MATERIALS SHALL BE CLEARLY MARKED OR STAMPED WITH THE MANUFACTURER'S NAME AND RATING.	
DICATED ON THE	 5. REFERENCE TO STANDARDS ARE INTENDED TO BE THE LATEST REVISION OF THE STANDARD SPECIFIED, OR THAT ACCEPTED BY THE AUTHORITY HAVING JURISDICTION E. MANUFACTURER'S RECOMMENDATIONS 	г Т
N OR COOPER	1. EQUIPMENT INSTALLED UNDER THIS DIVISION OF THE SPECIFICATIONS SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S	
OR COOPER	RECOMMENDATIONS, UNLESS OTHERWISE SHOWN ON THE DRAWINGS OR HEREIN SPECIFIED. F. GUARANTEE	
	ALL MATERIALS AND EQUIPMENT PROVIDED AND INSTALLED UNDER THIS SECTION SHALL BE GUARANTEED FOR A MINIMUM OF ONE YEAR. SHOULD ANY TROUBLE OR MALFUNCTIONS DEVELOP DURING THIS PERIOD DUE TO DEFECTIVE MATERIALS OR FAULTY WORKMANSHIP, THE CONTRACTOR	
SIONS FOR BER OF POLES,	WILL BE HELD LIABLE AND SHALL FURNISH LABOR, MATERIALS AND EQUIPMENT NECESSARY TO CORRECT THE TROUBLE OR MALFUNCTION WITHOUT ADDITIONAL COST TO THE OWNER. ALL	
US BARS SHALL S SHALL BE I NEUTRAL BUS	DEFECTIVE MATERIAL OR INFERIOR WORKMANSHIP NOTICED DURING THE TIME OF INSTALLATION SHALL BE CORRECTED IMMEDIATELY TO THE ENTIRE SATISFACTION OF THE ARCHITECT, ENGINEER AND OWNER, AT NO ADDITIONAL COST.	
DIRECTORY.	G. DEFINITIONS 1. FURNISH: TO SUPPLY AND DELIVER, UNLOAD, INSPECT FOR DAMAGE.	
TED ON THE	 INSTALL: TO UNPACK, ASSEMBLE, ERECT, APPLY, PLACE, FINISH, CURE, PROTECT, CLEAN, AND MAKE READY FOR USE. PROVIDE: TO FURNISH AND INSTALL. 	
ON THE PANEL PANEL	 H. SUBMITTALS 1. PROVIDE SHOP DRAWINGS AND MANUFACTURER'S LITERATURE OF MATERIALS AND EQUIPMENT 	
) AS	AS REQUIRED IN THE GENERAL CONDITIONS, AS DIRECTED BY THE OWNER'S REPRESENTATIVE AND AS LISTED BELOW: 2. CATALOG CUTS	
ATED IN THE	a) CONDUIT AND FITTINGS 1) RIGID METAL	
AWINGS WITH	2) INTERMEDIATE METAL 3) ELECTRICAL METALLIC TUBING	
R A COMPLETE	4) FLEXIBLE METALLIC 5) LIQUID TIGHT FLEXIBLE METALLIC	
S OF	6) FITTINGS (EACH TYPE) b) WIRE AND CABLE c) SWITCHES	REET RIN
D MINUTE DELAY	1) SNAP 2) OCCUPANCY SENSOR	$ \bigcirc \models \Sigma \supset _{L}$
OM BUT DOES	d) RECEPTACLE OUTLETS 1) GENERAL PURPOSE	
AS INDICATED	 2) GROUND FAULT CIRCUIT INTERRUPTION e) TRIM AND COVER PLATES (EACH TYPE AND STYLE) f) PANEL BOARDS 	MAIN 00S E CIT
ED. THE ES AS SHOWN SQUARE D,	h) SAFETY SWITCHES i) LIGHTING FIXTURES	
AND ROVISIONS	j) NAMEPLATES I. SHOP DRAWINGS 1. DANEL DOADDS	
IREE PADLOCKS. DLTS AC AS	1. PANEL BOARDS 2. LIGHTING FIXTURES	CRAVE 6TH / 5EC (SALT
SHALL HAVE A	THE ABOVE IS A STANDARD SUBMITTAL REQUIREMENT LIST. ELECTRICAL CONTRACTOR SHALL SUBMIT ALL APPLICABLE ITEMS FOR REVIEW. MATERIAL NOT SUBMITTED AND APPROVED BY THE ARCHITECT, ENGINEER OR OWNER'S REPRESENTATIVE SHALL BE SUBJECT TO REMOVAL AND REPLACEMENT AT THE	SP SE
R OF THE	CONTRACTORS COST IF DIRECTED BY THE ARCHITECT, ENGINEER OR THE OWNER'S REPRESENTATIVE. PART 2 - MATERIALS	REVISIONS
I THE FUSED	A. GENERAL 1. MATERIALS AND EQUIPMENT SHALL BE STANDARD CATALOGED PRODUCTS OF MANUFACTURERS REGULARLY ENGAGED IN THE MANUFACTURE OF THE PRODUCT. UL LISTED, AND SHALL BE THE	NO. DESCRIPTION
IE RATING IS FUSE	LATEST STANDARD DESIGN THAT CONFORMS TO SPECIFIED MATERIALS AND EQUIPMENT. B. RACEWAY AND CABLE	
PLATES".	 ELECTRICAL METALLIC TUBING (EMT) OR MC CABLE SHALL BE USED IN INTERIOR DRY LOCATIONS. MC CABLE FOR POWER TO LUMINAIRES. GALVANIZED FLEXIBLE STEEL (FMC) OR LIQUID TIGHT STEEL (LFMC) CONDUIT SHALL BE USED 	
	FOR CONNECTIONS TO MECHANICAL EQUIPMENT AND TRANSFORMERS AND AS INDICATED. LIQUID TIGHT CONDUIT SHALL BE USED IN EXTERIOR AND WET/DAMP LOCATIONS.	
	 SCHEDULE 40 PVC (WITH PVC COATED OR VINYL TAPE DOUBLE WRAPPED RIGID STEEL ELBOWS AND RISES) SHALL BE USED FOR RUNS THAT ARE IN CONTACT WITH THE EARTH. 3/4" CONDUIT SHALL BE THE MINIMUM SIZE CONDUIT. 	
	5. OUTDOOR AND WET OR DAMP LOCATIONS: PROVIDE RIGID STEEL CONDUIT OR LFMC. 6. NM TYPE CABLE AS ALLOWED BY THE NEC.	ISSUE DATE: 8/15/22 ISSUE TYPE: PERMIT
	7. SER TYPE CABLE AS ALLOWED BY THE NEC.C. FITTINGS	DRAWN BY: JLC CHECKED BY: SWJ
	1. ALL FITTINGS SHALL BE STEEL/MALLEABLE IRON WITH INSULATING BUSHINGS. D. OUTLET AND JUNCTION BOXES	
	 BOXES IN INTERIOR DRY LOCATIONS SHALL BE GALVANIZED ONE-PIECE PRESSED STEEL, KNOCKOUT TYPE, NOT LESS THAN 4 INCHES SQUARE AND 2 1/8" DEEP; APPLETON, RACO, OR EQUAL AND AS SHOWN ON THE DRAWINGS. 	E4.0
	 BOXES SHALL BE EQUIPPED WITH PLASTER RINGS, EXTENSION RINGS, AND FIXTURE STUDS AS REQUIRED. 	
	3. PROVIDE FLUSH MOUNTING OUTLET BOX IN FINISHED AREAS.	

90 W 500 S #231 580 Bergeson D Bountiful, UT 84010 Blackfoot, ID 83 Eng@maxxllc.net	9rive 3221
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CRAVE COOKIE SLC 6TH AND MAIN STREET SEC OF 600S & MAIN STREET SALT LAKE CITY, UTAH SALT LAKE CITY, UTAH	ELECTRICAL SPECIFICATIONS
NO. DESCRIPTION	

ISSUE DATE: 8/15/22
ISSUE TYPE: PERMIT
DRAWN BY: JLC
CHECKED BY: SWJ
E4.0

Section # & Req.ID	Final Inspection	Complies?	
C303.3, C408.2.5. 2 [FI17] ³	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	□Complies □Does Not □Not Observable □Not Applicable	
C405.4.1 [FI18] ¹	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	□Complies □Does Not □Not Observable □Not Applicable	See the Interior Light
C408.2.5. 1 [FI16] ³	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	□Complies □Does Not □Not Observable □Not Applicable	
C408.3 [FI33] ¹	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	□Complies □Does Not □Not Observable □Not Applicable	

1 High Impact (Tier 1)	2 Medium Impact (Tier 2)

Project Title: Crave Cookie SLC

Data filename: D:\NC\Jobs\DreamWorks\Crave Cookie SLC\elec\Crave SLC Com check

Project Title: Crave Cookie SLC

			MAXX
Comments/Assumptions	Section # & Req.IDRough-In Electrical InspectionComplies?Comments/AssumptionsC405.2.2. 2 [EL22]1Spaces required to have light- reduction controls have a manual control that allows the occupant toCompliesDoes NotDoes Not[EL22]1Does the occupant to	COMcheck Software Version 4.1.5.3 Interior Lighting Compliance Certificate	MAXX Engineering
Lighting fixture schedule for values.	reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent. INOU Observable C405.2.1, C405.2.1, C405.2.1, C405.2.1, C405.2.1, C405.2.1, C405.2.1, C405.2.1, C405.2.1, Cassrooms/lecture/training rooms, 1 Imou Observable I Occupancy sensors installed in C405.2.1, C405.2.1, C405.2.1, Cassrooms/lecture/training rooms, 1 Imou Observable I Occupancy sensors installed in C405.2.1, C405.2.1, C405.2.1, Cassrooms/lecture/training rooms, Imou Observable Imou Observable I Imou Observable Imou Observable Imou Observable I<	Project Information Energy Code: 2018 IECC Project Title: Crave Cookie SLC Project Type: New Construction	90 W 500 S #231 580 Bergeson Drive Bountiful, UT 84010 Blackfoot, ID 83221 Eng@maxxllc.net
	warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	Construction Site: Owner/Agent: Designer/Contractor: 6th and Main Street Sec of 600S & Main Street Salt Lake City, UT Additional Efficiency Package(s) Credits: 1.0 Required 1.0 Proposed Enhanced Interior Lighting Controls, 1.0 credit Allowed Interior Lighting Power B C D Area Category Floor Area Allowed Matts	OWNERSHIP OF DOCUMENTS This document, the ideas and designs incorporated herein, as an instrument of professional service, are the property of MAXX LLC. and are not to be used, in whole or in part, for any other project without the written authorization of an
	by 50% or more when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor. C405.2.1. Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can Complies	Area Category Floor Area (ft2) Allowed Watts / ft2 Allowed Watts (B X C) 1-Dining: Cafeteria/Fast Food 2329 0.79 1840 Total Allowed Watts = 1840 Proposed Interior Lighting Power A B C D E Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast Lamps/ # of Fixture (C X D) Fixture Fixtures Watt. Vattage Vattage Vattage Vattage	authorized representative of MAXX LLC. Copyright © 2022 by: MAXX LLC. STAMP
	be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 3) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone, and 4) are configured such that any daylight responsive control will activate space general lighting only when occupancy for the same area is detected. C405.2.2, Each area not served by occupancy C405.2.2, sensors (per C405.2.1) have time-	1-Dining: Cafeteria/Fast Food LED 1; L1; 2x4 Troffer: Other: 1 27 39 1053 LED 2; L2: 10x4 Surface Wrap: Other: 1 1 26 26 Total Proposed Watts = 1079 Interior Lighting PASSES: Design 41% better than code Interior Lighting Compliance Statement Compliance Statement: Compliance Statement: Compliance Statement: Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COM <i>check</i> Version 4.1.5.3 and to comply with any applicable mandatory requirements listed in the Inspection Checklist. Stan W. Johns 8/15/22 Name - Title Signature	STAN W JOHNS 8/15/22 0 3 3 3 3 3 3 4 3 5246941-2202 5 3 3 3 3 3 4 3 5 4 5 2 4 6 9 5 2 4 6 9 5 2 4 6 9 5 2 4 6 9 5 2 4 6 9 1 5 2 4 6 9 4 5 2 4 6 9 4 5 2 4 6 9 4 5 2 4 6 9 4 1-2202 5 7 6 1 7 6 1 7 6 1 7 6 1 7 6 1 7 7 6 1 7 7 7 6 1 7 7 7 6 1 7 7 7 6 1 7 7 7 7
3 Low Impact (Tier 3) Report date: 08/14/22 k.cck Page 5 of 6	1, switch controls and functions detailed C405.2.2. in sections C405.2.2.1 and C405.2.2.2. [EL21] ² Not Applicable 1 High Impact (Tier 1) Medium Impact ier 2) 3 Low Impact (Tier 3) Project Title: Crave Cookie SL6 Data filename: D:\NC\Jobs\DrewWorks\Crave Cookie SLC\enextenave SLC Com check.cck	Project Title: Crave Cookie SLC Project Title: Crave Cookie SLC Data filename: D:\NC\Jobs\DreamWorks\Crave Cookie SLC\elec\Crave SLC Com check.cck	
	Section (400-10)	COMcheck Software Version 4.1.5.3 Inspection Checklist Dergy Code: 2018 IECC Requirements: 0.0% were addressed directly in the COMcheck software Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided. Section Comments/Assumptions Complies Calculations provide all information Complies Calculations provide all information Complies And document where exceptions to the standard are claimed. Information Mot Applicable and document where exceptions to the standard are claimed. Information Complies And the claimed. Information Complies Not Applicable Applicable and document where exceptions to the standard are claimed. Information Determated for the interior lighting and document where exceptions to the standard are claimed. Information Determated for the interior lighting Additional Comments/Assumptions: Additional Comments/Assumptions:	CRAVE COOKIE SLC 6TH AND MAIN STREET SEC OF 600S & MAIN STREET SALT LAKE CITY, UTAH SALT LAKE CITY, UTAH
			REVISIONS NO. DESCRIPTION
Report date: 08/14/22 k.cck Page 6 of 6	1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3) Project Title: Crave Cookie SLC Report date: 08/14/22 Data filename: D:\NC\Jobs\DreamWorks\Crave Cookie SLC\elec\Crave SLC Com check.cck Page 4 of 6	1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3) Project Title: Crave Cookie SLC Report date: 08/14/22 Data filename: D:\NC\Jobs\DreamWorks\Crave Cookie SLC\elec\Crave SLC Com check.cck Page 2 of 6	ISSUE DATE: 8/15/22 ISSUE TYPE: PERMIT DRAWN BY: JLC CHECKED BY: SWJ E55.0