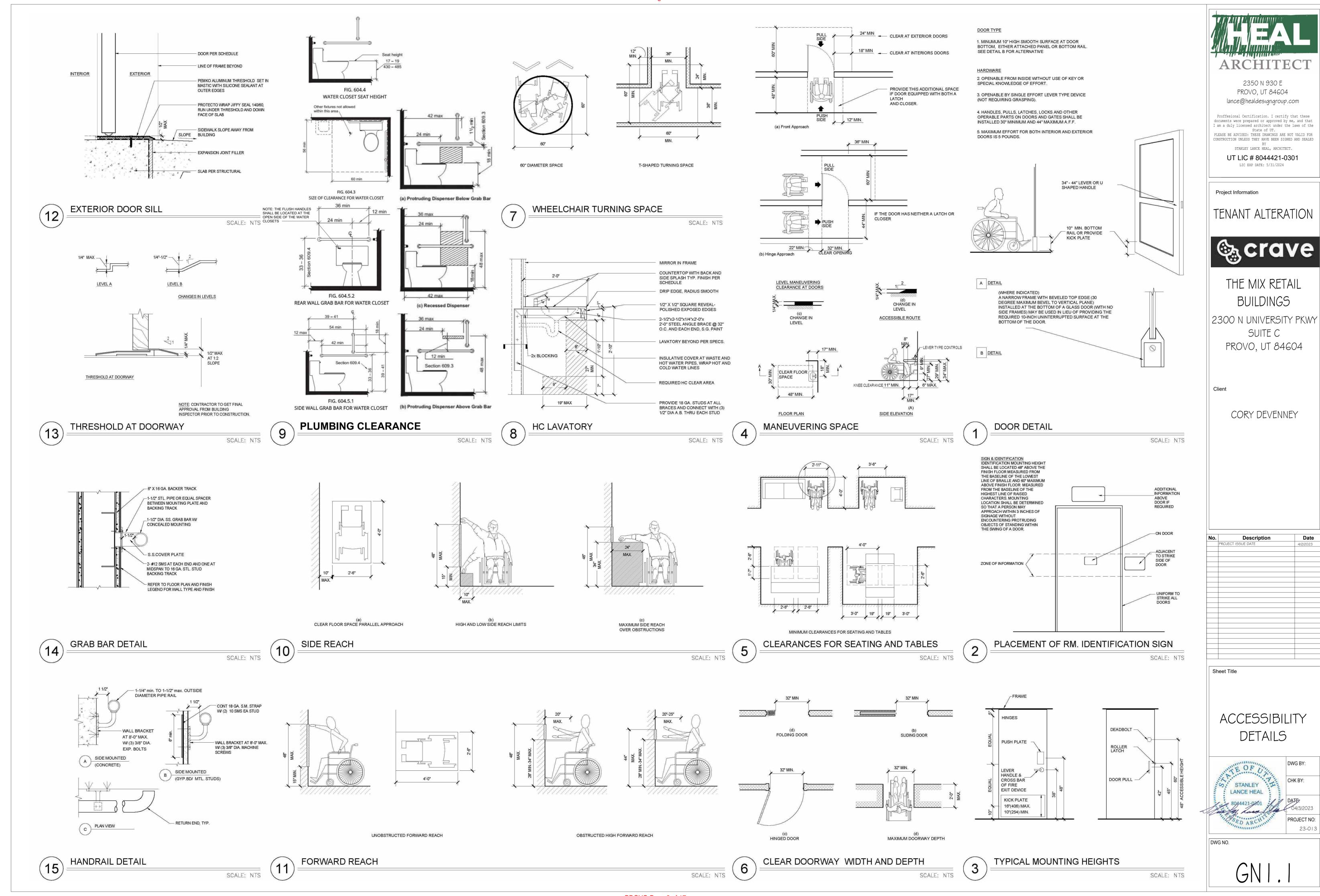
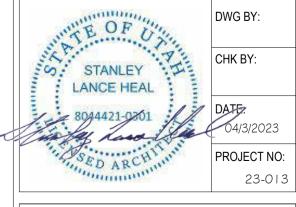
**PROJECT** PROJECT CONTACT INFORMATION **VICINITY MAP BUILDING DATA** OWNER CONTACT: TENANT ALTERATION JURISDICTION PROVO, UT **BUILDING INSPECTION REQUEST** 2. APPLICABLE CODES: Email: buildingpermits@provo.utah.gov PROJECT LOCATION **CRAVE** Same day inspections are not available. Any inspection PROJECT CONTACT: requests received after 5:00pm will not be addressed 2018 edition of the International Building Code, including Appendix J, issued by the International Code Council; until the following business day. **Permit number and** THE MIX RETAIL BUILDINGS 2018 edition of the International Plumbing Code, issued by the International Code Council; 2350 N 930 E address must be in the subject line. 2018 edition of the International Mechanical Code, issued by the International Code Council; PROVO, UT 84604 INFORMATION TO INCLUDE IN EMAIL. 2018 edition of the International Fuel Gas Code, issued by the International Code Council; 2020 edition of the National Electrical Code, issued by the National Fire Protection Association; **1.** On-site contact phone number and name. lance@healdesigngroup.com 2300 N UNIVERSITY PKWY 2018 edition of the International Fire Code, issued by the International Code Council;  $\$  **2.** Email address to send report if not the one in email 2018 edition of the International Energy Conservation Code, issued by the International Code Council Inspection type (see list). Proffesional Certification. I certify that these 2018 edition of the International Existing ocuments were prepared or approved by me, and that 4. Area of inspection e.g. (basement, whole building, am a duly licensed architect under the laws of the PROVO, UT 84604 grid lines AB from 1 to 2 3rd floor and etc.). PLEASE BE ADVISED: THESE DRAWINGS ARE NOT VALID FOR 5. CONCRETE inspections can request a ready time 3. BUILDING USE AND OCCUPANCY: RUCTION UNLESS THEY HAVE BEEN SIGNED AND SEALE (1hour window) you are not guaranteed that time USE GROUP: EXISTING BUILDING SHELL STANLEY LANCE HEAL, ARCHITECT. PROPOSED unless you have received a confirmation email. UT LIC # 8044421-0301 **6.** Request AM or PM inspection, times are not given **EXITING / EGRESS PLAN** REFERENCE PLAN BUSINESS DESCRIPTION: TAKE-OUT/PICKUP COOKIE BAKERY LIC EXP DATE: 5/31/2024 for any other inspections. But if a time needs to be arranged, do the following, ON THE DAY OF your 4. TYPE OF CONSTRUCTION scheduled inspection call the inspector listed on your THIS APPROVED SET OF PLANS AND THE confirmation email between 7am & 8am to work out a OVERALL BUILDING V-B **Project Information** time that will work for both of you. **DOCUMENTS BELOW ARE REQUIRED TO 7.** Any other information you feel needs to be known. BE PRINTED AND ON SITE AT ALL 30'-0" TRAVEL . FIRE PROTECTION TENANT ALTERATION INSPECTIONS, INSPECTION WILL BE SPRINKLER FAILED IF THEY ARE NOT ON SITE. FIRE ALARM UILDING DEPARTMENT hese are required if they are in your Permit Documents. Site CONTRACTOR TO PROVIDE ENGINEERED SHOP DRAWINGS FOR ANY MODIFICATIONS REQUIRED TO FIRE PROTECTION Plan, Structural Calcs, Gas Schematic, Com Check, Manual J, lease review the list so as not SYSTEMS PRIOR TO STARTING ANY WORK REScheck, Stucco Report & Engineering Letters/Adendums. **್ಷcrave** you have any questions please call the office to verify if an 801-852-6450) **PROVIDED** REQUIRED / ALLOWED IBC SCOPE OF WORK **APPROVED** OCCUPANCY CLASSIFICATION SEC. 304.1 THE MIX RETAIL RUCTURAL CONCRETE **BUILDING AREA** BUILDINGS IRE PLACE/CHIMNEY BUILDING PERMIT# PRRN202300611 TUCCO/CULTURED STONE AREA TOTAL (EXISTING SPACE) 1,250 SQ.FT. N/A TABLE. 506.2 NO INCREASE 2300 N UNIVERSITY PKWY 06/20/2023 janderson REVIEWED FOR CODE SUITE C OCCUPANT LOAD COMPLIANCE BY TENANT SPACE VEATHER BARRIER PROVO, UT 84604 (AREA / 150) = OCC TABLE 1004.5 (1,250 / 150) = 9 OCCPROVO CITY BUILDING **TOTAL AREA** DEPARTMENT SERVICE CHANGE SUSPENDED CEILING TIRE ASSEMBLIES NUMBER OF EXITS SUITE A SUITE B SUITE C SEISMIC BRACING **TENANT SPACE** SEC. 1006.3.2.1 THIS APPROVED SET OF PLANS AND THE DOCUMENTS BELOW AR REQUIRED TO BE PRINTED AND ON SITE AT ALL INSPECTIONS.
INSPECTION WILL BE FAILED IF THEY ARE NOT ON SITE.
These are required if they are in your Pagnit Documents Site Plan Civil STOP WORK These are required if they are in your Permit Documents. Site Plan, Ci Architectural, Structural Plans, All Mechanical Plans, Gas Schematic COMCheck, Manual J, REScheck and Stucco Report. (3)— GAS LINE INSPECTION FLASHING STONE/BRICK SITE TOILET **EGRESS TRAVEL DISTANCES:** COMMON PATH OF TRAVEL 100 FT MAX TABLE 1006.2.1 CORY DEVENNEY EXIT TRAVEL DISTANCE 250 FT MAX TABLE 1017.2 NSULATION TEMPORARY POWER POWER TRENCH MINIMUM CORRIDOR WIDTH 36" MIN. TABLE 1020.2 **CORRIDOR FIRE RATING** 30'-0" TRAVEL TABLE 1020.1 RESTROOMS TABLE 2902.1 SEC. 2902.2 (4) SEC. 2902.3, EXC (2) 21'-8" 2 EXITING PLAN REFERENCE PLAN - BY OTHERS <sup>/</sup> 1/8" = 1'-0" ELEMENT PRIMARY STRUCTURAL FRAME **HR RATING BEARING WALLS GENERAL NOTES TENANT SAFETY NOTES** INDEX OF DRAWINGS INTERIOR **EXTERIOR** NON BEARING WALLS AND PARTITIONS EXTERIOR INTERIOR ARCHITECT FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS STANLEY LANCE HEAL, ARCHITECT 1. THE CONSTRUCTION, EQUIPMENT AND METHODS USED SHALL COMPLY WITH ALL ROOF CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS 1. ALL CONSTRUCTION WORK SHALL COMPLY IN ACCORDANCE WITH RULES REQUIREMENTS OF THE STATE, LOCAL, AND OTHER AGENCIES HAVING AND REGULATIONS OF LOCAL AND OTHER MUNICIPAL AGENCIES, CODES 469.920.0123 HAVING JURISDICTION. 2. THE CONTRACTOR/SUBCONTRACTOR SHALL GO TO THE JOB SITE AND MAKE 2. ALL AREAS USED BY THE PUBLIC SHALL BE MAINTAINED FREE FROM **GN1.0 TITLE SHEET** ACCURATE FIELD MEASUREMENTS AND NOTE ANY CONDITIONS. WHICH WILL DEBRIS, EQUIPMENT, MATERIALS, PROJECTIONS, TOOLS, FLAMMABLE AFFECT THE WORKS. THE CONTRACTOR SHALL BE DEEMED TO HAVE VISITED THE MATERIALS, OR OTHER ITEMS, SUBSTANCES OR CONDITIONS THAT MAY **GN1.1 ACCESSIBILITY DETAILS** JOB SITE AND ASCERTAINED TO HIS OWN SATISFACTION THE FULL EXTENT OF CONSTITUTE HAZARDS. 3. DEBRIS, DIRT, DUST AT ALL CONSTRUCTION AREAS SHALL BE KEPT TO A THE WORK A1.0 EXISTING / DEMOLITION FLOOR PLAN 3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN ON MINIMUM. PERIODICAL CLEANING SHALL BE PERFORMED TO AVOID ANY A1.1 FLOOR PLAN THE ARCHITECTS DRAWINGS AND REPORT ANY DISCREPANCIES TO THE EXCESSIVE DEBRIS ACCUMULATION. ARCHITECT PRIOR TO ANY FABRICATION OR COMMENCEMENT OF WORK. 4. WHEN NOT IN USE, ALL BUILDING MATERIALS SHALL BE STORED AT A1.2 REFLECTED CEILING PLAN 4. THE CONTRACTOR SHALL NOT DETERMINE DIMENSIONS OF WORK BY SCALE OR SECURED AREA TO BE CONTROLLED BY GENERAL CONTRACTOR. RULE BUT SHALL FOLLOW FIGURED DIMENSIONS AT ALL TIMES. 5. FLAMMABLE MATERIALS USED IN CONSTRUCTION ARE TO BE KEPT A2.1 INTERIOR ELEVATIONS TIGHTLY SEALED, CHECKED REGULARLY FOR LEAKAGE AND STORED IN 5. THE CONTRACTOR IS TO BE RESPONSIBLE FOR KEEPING THE SITE FREE OF ALL RUBBISH AND DEBRIS AND IN A NEAT ORDERLY CONDITION AT ALL TIMES. HE AN ADEQUATELY VENTILATED SPACE. Sheet Title SHALL CLEAN UP AND REMOVE ALL ACCUMULATIVE RUBBISH AND DEBRIS FOR 6. ALL MATERIAL SHALL BE SECURED AGAINST ACCIDENTAL MOVEMENT ALL TRADES ON A DAILY BASIS. SUCH AS WINDS AND VIBRATIONS. NO MATERIAL SHALL BE OVER OR 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING AND NEAR THE EDGE OF A BUILDING UNLESS BANDED AND BRACED SUPERVISING ALL SAFETY PRECAUTIONS IN CONNECTIONS WITH THE WORK. PREPARATORY TO RELOCATION AT THE END OF WORKDAY. JTB HVAC & PLUMBING ENGINEERING, INC THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF 7. ALL STRUCTURAL WORK SHALL HAVE ADEQUATE TEMPORARY BRACING 801-849-8590 ALL THE SUB-CONTRACTORS AND SHALL DO ALL THE WORK REQUIRED TO AND SHORING. FACILITATE THE PROPER INSTALLATION OF WORK DONE UNDER SEPARATE 8. ALL DEMOLITION WORK AND REPAIR WORK SHALL BE DONE IN M001 TITLE SHEET CONTRACTS BY OTHERS. ACCORDANCE TO LOCAL JURISDICTION BUILDING CODE. 8. EXISTING ELECTRICAL SERVICES SHALL BE KEPT OPERATIONAL AND WITHOUT 9. CONTRACTOR AT ALL TIMES IS TO MAKE SURE THERE IS NO LEAKAGE OF M201 MECHANICAL PLANS PROJECT SCOPE OF WORK INTERRUPTION TO THE OWNERS. NATURAL GAS IN BUILDING, OR OF ANY FLAMMABLE GAS USED IN M701 MECHANICAL DETAILS AND SCHEDULES BEFORE COMMENCING WORK ON THIS CONTRACT, EACH CONTRACTOR SHALL CONSTRUCTION. TITLE SHEET P201 PLUMBING PLANS PROCURE AND MAINTAIN DISABILITY INSURANCE, GENERAL LIABILITY INSURANCE, 10. CONSTRUCTION OPERATIONS WILL BE CONFINED TO NORMAL HOURS: 8 **INTERIOR:** PROPERTY DAMAGE INSURANCE, AND WORKMAN'S COMPENSATION INSURANCE AM TO 5PM. MONDAYS THROUGH FRIDAYS EXCEPT LEGAL HOLIDAYS. P701 SCHEDULES TENANT ALTERATION OF EXISTING IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS. IN ADDITION THE GENERAL 11. WORK DONE DURING OTHER THAN NORMAL HOURS, MUST HAVE A CONTRACTOR AND SUB-CONTRACTOR SHALL MAINTAIN INSURANCE 'S FOR ALL WRITTEN CONSENT FROM ALL PARTIES, AND AN AFTER-HOUR WORK NEW PARTITION WALLS AND DOORS MOTOR VEHICLES USED ON THIS PROJECT. PERMIT FROM ALL APPLICABLE AGENCIES. PERMITS ARE TO BE OBTAINED NEW FLOOR AND CEILING FINISHES DWG BY: 10. BEFORE COMMENCING THE WORK THE CONTRACTOR SHALL PROCURE ALL BY CONTRACTOR. NEW SERVICE COUNTER CERTIFICATES OF INSURANCE FOR COMPREHENSIVE LIABILITY, BODILY INJURED 12. PROVIDE FIRE EXTINGUISHERS PER LOCATION ON PLANS AND PER LOCAL NEW EQUIPMENT AND PROPERTY DAMAGE OF NOT LESS THAN \$1,000,000.00 EACH AS SHALL CODES. AT MINIMUM (1) FIRE EXTINGUISHER TO BE PROVIDED FOR EVERY 3,000 S.F. AND NOT MORE THAN 75 FT FROM THE FURTHEST OCCUPANT. PROTECT HIM AND HIS SUB-CONTRACTOR PERFORMING, WORK AT THE SITE NEW RESTROOM **ELECTRICAL ENGINEERING** FROM CLAIMS OR DAMAGES FOR PROPERTY WHICH MAY ARISE FROM PORTABLE FIRE EXTINGUISHER SHALL BE SELECTED. INSTALLED. MAXX ENGINEERING OPERATIONS UNDER THE CONTRACT, WHETHER SUCH OPERATIONS BE BY INSPECTED, AND MAINTAINED IN ACCORDANCE WITH NFPA 10, ENG@MAXXLLC.NET HIMSELF OR BY ANY SUBCONTRACTOR OR ANYONE WORKING DIRECTLY OR STANDARDS FOR PORTABLE FIRE EXTINGUISHERS. GENERAL CONTRACTOR TO VERIFY WITH LOCAL FIRE MARSHAL THE NUMBER AND INDIRECTLY EMPLOYED BY EITHER OF THEM. BEFORE COMMENCING WORK HE 04/3/2023 SHALL FURNISH THE OWNER WITH CERTIFICATES NAMING THE LESSEE. THE LOCATIONS OF PROPOSED FIRE EXTINGUISHERS ARE COMPLAINT: FIRE MARSHAL TO HAVE FINAL APPROVAL & AUTHORITY OWNER AND THE ARCHITECT AS ADDITIONAL INSURED. E0.0 ELECTRICAL SCHEDULES AND NOTES PROJECT NO: E1.0 LIGHTING AND POWER PLANS 23-013 PROVIDE MINIMUM (1) ABC TYPE FIRE EXTINGUISHERS E2.0 ELECTRICAL PANELS AND RISER DIAGRAM E3.0 ELECTRICAL DETAILS DWG NO. E4.0 ELECTRICAL SPECIFICATIONS E5.0 COMPLIANCE REPORT







# DOOR SCHEDULE Mark | Width | Height | Type Mark Frame Type Handle Type Comments

(404.2.8) DOOR OPENING FORCE

I. INTERIOR HINGED DOOR: 5.0 POUNDS MAX

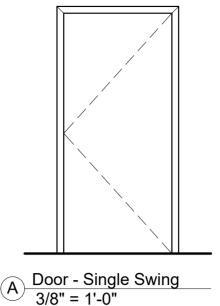
OI 3'-0" 7'-0" A HOLLOW METAL PRIVACY

# DOOR HARDWARE:

EQUAL (GRADE 2 CONTRACTOR QUALITY) AND SHALL COMPLY WITH THE FOLLOWING:

ALL INTERIOR DOORS SHOULD BE SOLID CORE RED OAK WITH (2)-COATS OF CLEAR STAIN 2. SLIDING OR FOLDING DOOR 5.0 POUNDS MAX DOOR HARDWARE SHALL BE SARGENT 6500 CYLINDRICAL LEVER - OR

(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



# FINISH NOTES

USABLE FROM BOTH SIDES

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.

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

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 ARCHITECT AND CRAVE COOKIES FRANCHISING, LLC IS TO BE NOTIFIED.

# STORE INTERIOR

# WALL TILE:

# ● DALTILE -SEMI GLOSS ARCTIC WHITE 0190 (1)

O ON SIDE WALLS (OPTIONAL). WALLS CAN BE PAINTED WITH WHITE PAINT SPEC BELOW. O 4X8 SUBWAY TILE

# O PURE WHITE GROUT ● DALTILE -SEMI GLOSS BLACK K I I I (2)

O ON BACK WALL OF STORE O 4X8 SUBWAY TILE

● SW 6991 BLACK MAGIC 251-C5

● SW 7006 EXTRA WHITE 257-CI

O BLACK GROUT

## FLOORING: CUSTOMER SERVICE AREA

- LVT: ALADDIN NATIVE CRAFT COLOR 910 GRAYISH
- ROPPE RUBBER COVE BASE: 700 SERIES BLACK (100, 701)
- ALTERNATE STORAGE/BAKING AREA ● ECO FLOOR/RUBBERIZED FLOORING, AS SELECTED BY OWNER

# CABINETRY:

# CORPORATE:

- BLACK LAMINATE CABINETS (HPL OR MELAMINE) O 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,

# BAKING EQUIPMENT

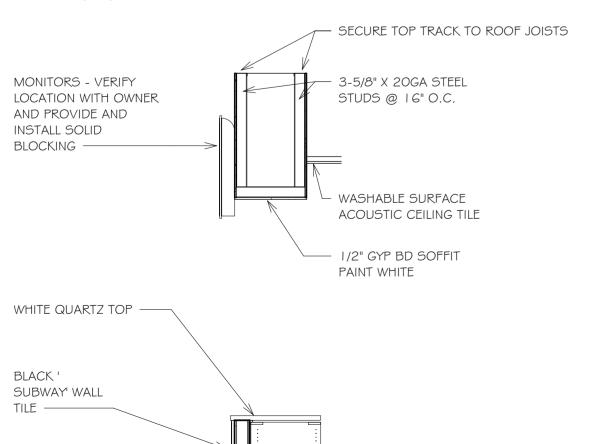
# CONVECTION OVEN, ELECTRIC

O (2EA) BAXTER MANUFACTURING OV3 I OE-MINI ROTATING RACK OVEN, STAINLESS STEEL,

### 18.0KW, CUL PLANETARY MIXER

- O (2EA) DOYON BAKING EQUIPMENT BTF040
- REACH-IN FREEZER O (1EA) TURBO AIR M3F24-1-N
- EQUIPMENT STAND (FOR MIXER/SLICER)
- O (IEA) JOHN BOOS MS4-2424GSK-X REFRIGERATOR
- O (I EA) TURBO AIR M3R72-3-N
- REFRIGERATED MERCHANDISER
- O (1 EA) TURBO AIR TSR-23GSD-NG HEATED HOLDING PROOFING CABINET (MOBILE)
- O (I EA) WINHOLT EQUIPMENT INHPL-1836C-DGT
- THREE (3) COMPARTMENT SINK

O (IEA) TURBO AIR TSA-3-14-D2



**BLACK TILE** COVE BASE 3/8" = 1'-0"

# SECTION 2- SIGNAGE

## Requirements SIGNAGE requirements

O Storefront (exterior) O Monument sign (where applicable) O Interior Sign (on back wall)

# ■ Gold back-lit sign O Contact:

■ Geoff Grayson Allied Electrical Sign geoff@allied-sign.com

801-882-4994

# SECTION 3- DIGITAL OPERATIONS EQUIPMENT

# Point of Sales (POS) Equipment

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

# Extra POS

O Determined by needs of individual locations

# POS Equipment Setup

• Internet cable MUST be run to each POS, POS Kiosks, and KDS ● POS Tablet

# O Located on front counter

KDS (Kitchen Display System)

# O Located on wall by drink station Printers

O One on front counter by POS

# O One on prep table under KDS/by drink station

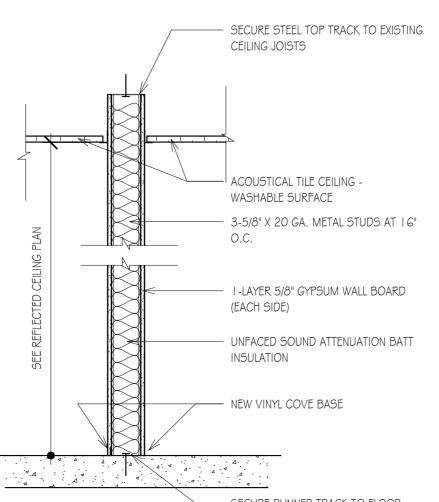
O Located against a wall at the front of the store O Free standing (not mounted) on tall tables

# 3C: TV MENU DISPLAYS

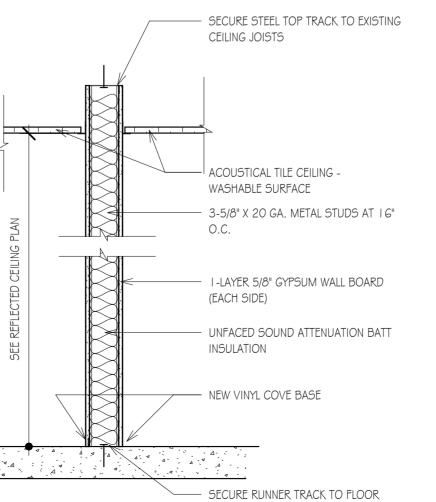
• (3 ea) 55 " Samsung Smart TV

O One for drink menu O One for cookie menu

O One for promotional video (optional)

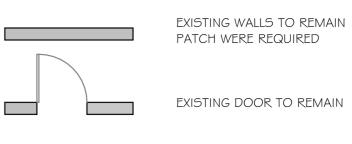


PARTITION - TYPICAL INTERIOR 2) NUIN-LL. 1" = 1'-0" NON-BEARING

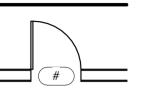


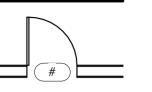
1 PARTIAL FLOOR PLAN

# LEGEND



NEW WALLS - SEE DETAIL





NEW DOOR - SEE SCHEDULE

DIMENSIONS ARE FROM FINISH FACE OF WALL

LAMINATE VENEER PLANK FLOORING

4 A2.1

P.O.S. AND PRINTER

A1.1

09

ECO RUBBERIZED FLOOR

AS SELECTED BY OWNER -

PREP TABLES

5 < ( A2.1 )

**BAKING AREA** 

SODA SYRUP RACKS

OVEN

09

21'-8"

ECO RUBBERIZED FLOOR

AS SELECTED BY OWNER

STORAGE

20' - 8"

3' - 0"

03

02

MIXER

A2.1

6' - 2 1/8"

CUSTOMER SERVICE

WARMER

REEZER

ICE MACHINE

PRINTER -

06

07

08

1' - 0"

+

09

- COOLER

NATURAL WOOD FINISH AS SELECTED BY OWNER +

CONTRACTOR TO SUPPLY AND INSTALL FIRE RATED SOLID WOOD BLOCKING AT ALL FIXTURES, CABINETS, AND EQUIPMENT. VERIFY WITH MANUFACTURER. SEE NOTES BELOW

CONTRACTOR TO VERIFY WITH OWNER LOCATION OF ALL POINT OF SALE DEVICES, PRINTERS, MONITORS, ETC, AND SUPPLY AND INSTALL ELECTRICAL HOOKUPS AND FIRE RATED SOLID WOOD BLOCKING AS REQ'D

PAINT ALL WALLS THROUGHOUT SPACES WITHIN SCOPE

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

# Specialty Equipment Schedule Type Mark Description Electric Rack Baking Oven Planetary Mixer Tabletop mixer Heated Holding Proofing Cabinet Refrigerator Merchandiser 3-Door Reach-In Cooler Reach-In Freezer Ice Maker Point of Sale / Cash Register

ARCHITECT

2350 N 930 E PROVO, UT 84604 lance@healdesigngroup.com

Proffesional Certification. I certify that these documents were prepared or approved by me, and that  $% \left( 1\right) =\left( 1\right) ^{2}$ I am a duly licensed architect under the laws of the PLEASE BE ADVISED: THESE DRAWINGS ARE NOT VALID FOR CONSTRUCTION UNLESS THEY HAVE BEEN SIGNED AND SEALED

> STANLEY LANCE HEAL, ARCHITECT. UT LIC # 8044421-0301

> > LIC EXP DATE: 5/31/2024

**Project Information** 

TENANT ALTERATION



# THE MIX RETAIL BUILDINGS

2300 N UNIVERSITY PKWY SUITE C PROVO, UT 84604

CORY DEVENNEY

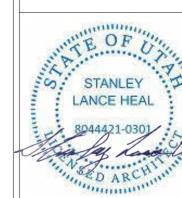
Description

Sheet Title

FLOOR PLAN

DWG BY:

23-013



DWG NO.

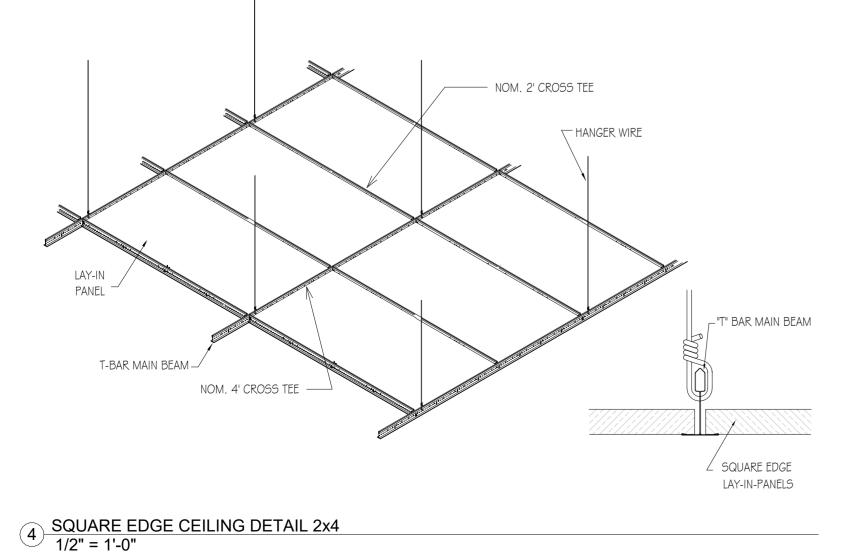
PROVO Page 3 of 17

/ 1/4" = 1'-0"

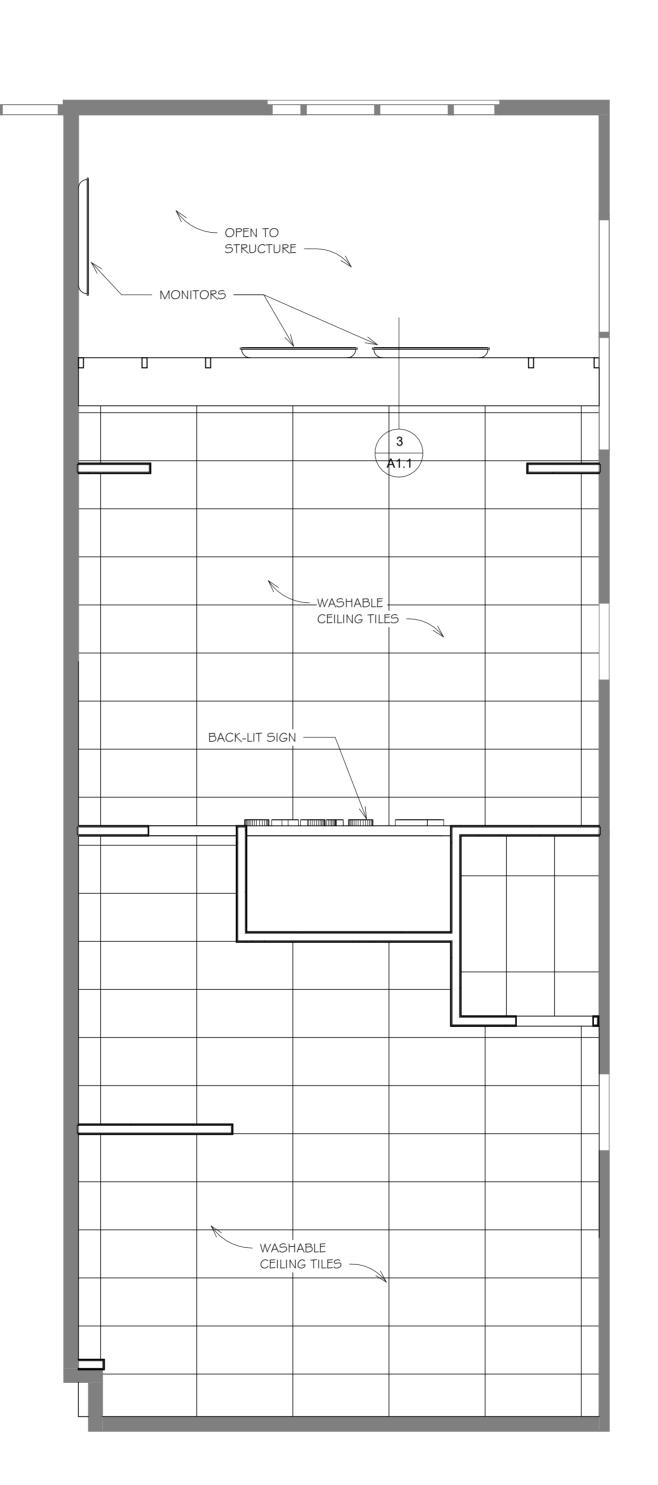
NOTE: REFER TO MECHANICAL DRAWINGS HVAC REGISTER/DIFFUSER LOCATIONS REFER TO ELECTRICAL DRAWINGS FOR EXITING AND EMERGENCY LIGHTING

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

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



1 REFLEECTED CEILING PLAN 1/4" = 1'-0"



ARCHITECT

2350 N 930 E PROVO, UT 84604 lance@healdesigngroup.com

Proffesional Certification. I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the State of UT.

PLEASE BE ADVISED: THESE DRAWINGS ARE NOT VALID FOR CONSTRUCTION UNLESS THEY HAVE BEEN SIGNED AND SEALED BY

STANLEY LANCE HEAL, ARCHITECT.

UT LIC # 8044421-0301
LIC EXP DATE: 5/31/2024

Project Information

TENANT ALTERATION



# THE MIX RETAIL BUILDINGS

2300 N UNIVERSITY PKWY SUITE C PROVO, UT 84604

CORY DEVENNEY

PROJECT ISSUE DATE	4/2/2023

Description

Sheet Title

REFLECTED CEILING PLAN

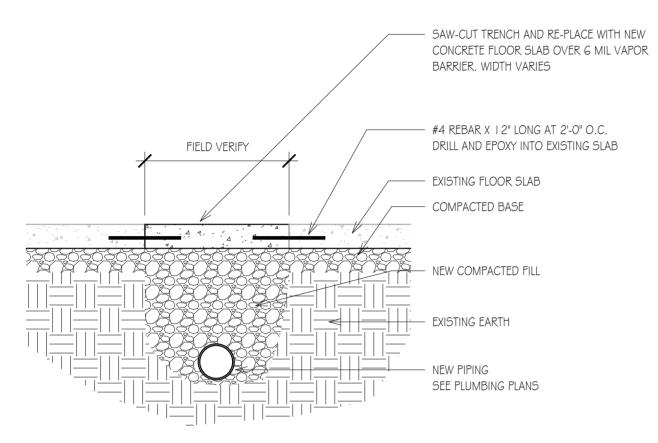
DWG BY:

23-013



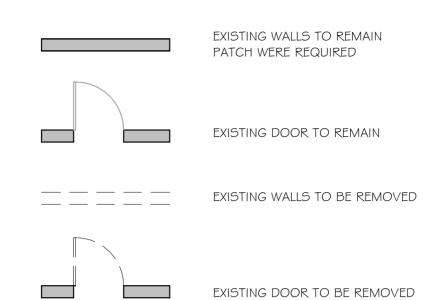
**GENERAL DEMOLITION NOTES:** 

- 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
- 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 ADJACENT SURFACES DISTURBED BY DEMOLITION OR ALTERATION WORK AND PREPARE TO RECEIVE NEW
- 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.
- IO. 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
- ADJACENT AND/OR SIMILAR CONDITIONS.
- II. 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.
- 12. UNLESS OTHERWISE NOTED ON DOCUMENTS, PAINTING SHALL BE FROM A BREAK IN PLANE TO A BREAK IN 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
- 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.
- 15. EXISTING FIRE ALARM SYSTEM TO REMAIN ACTIVE DURING CONSTRUCTION



**LEGEND** 

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



2350 N 930 E PROVO, UT 84604

lance@healdesigngroup.com

Proffesional Certification. I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the PLEASE BE ADVISED: THESE DRAWINGS ARE NOT VALID FOR CONSTRUCTION UNLESS THEY HAVE BEEN SIGNED AND SEALED

> UT LIC # 8044421-0301 LIC EXP DATE: 5/31/2024

STANLEY LANCE HEAL, ARCHITECT.

**Project Information** 

TENANT ALTERATION



THE MIX RETAIL BUILDINGS

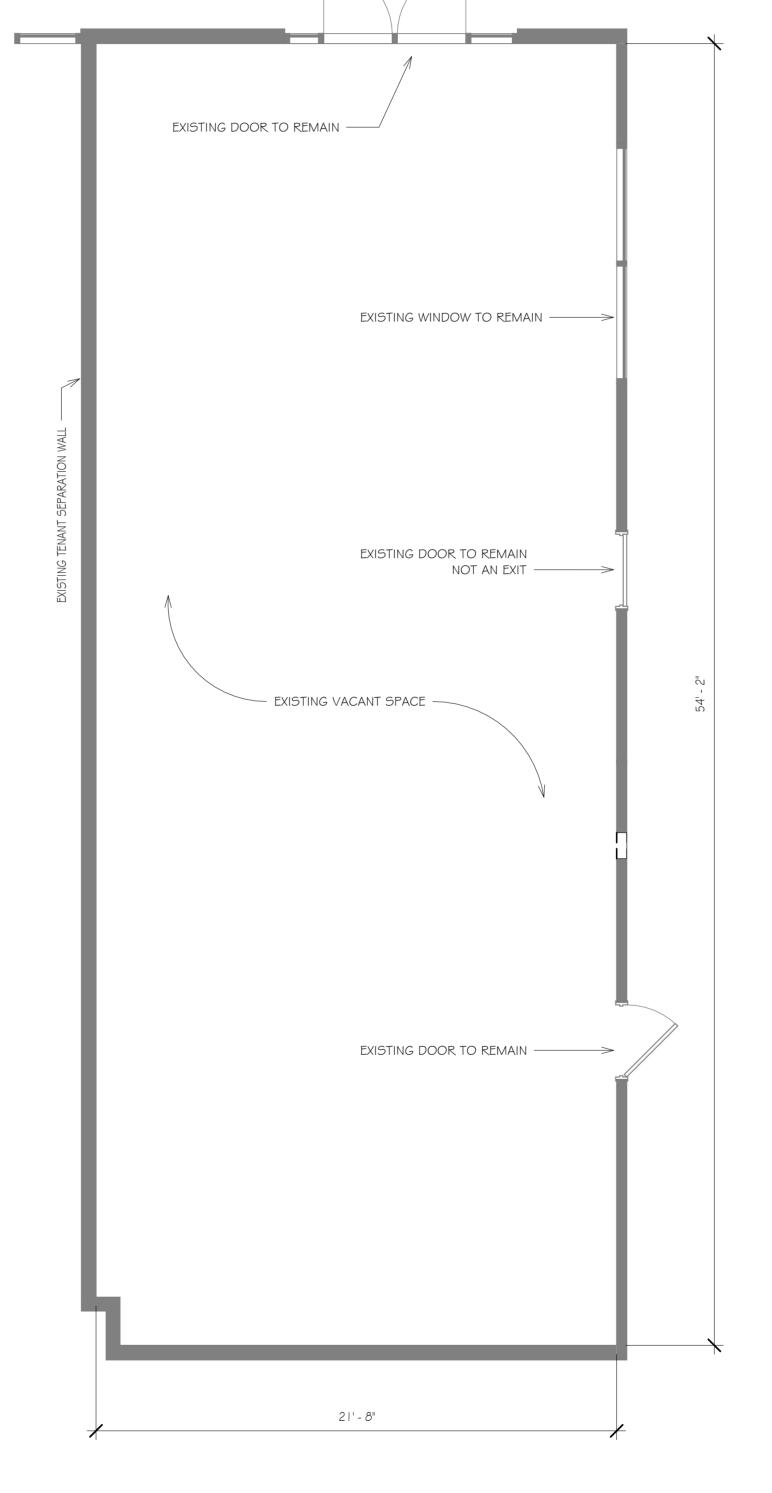
2300 N UNIVERSITY PKWY SUITE C PROVO, UT 84604

CORY DEVENNEY

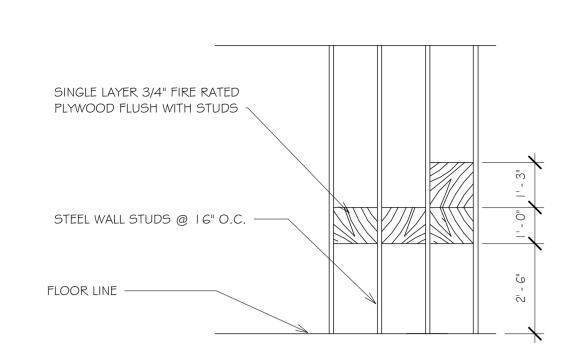
**Description**ROJECT ISSUE DATE

EXISTING / DEMOLITION FLOOR PLAN

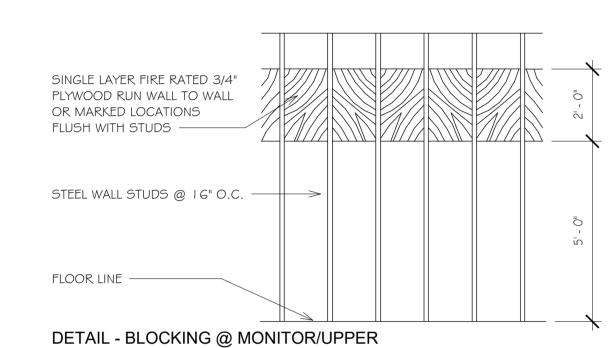




PROVO Page 5 of 17



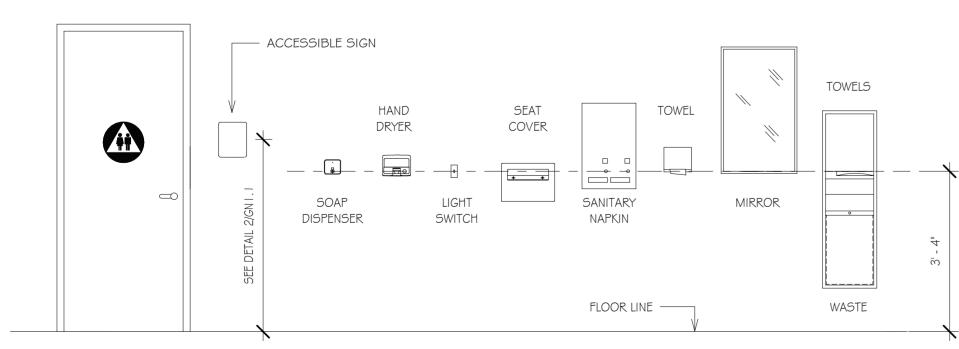
# DETAIL - BLOCKING @ GRAB BAR 3/8" = 1'-0"



11 WALL CABINET 3/8" = 1'-0"

NOTE: CONTRACTOR TO PROVIDE AND INSTALL FIRE RATED SOLID BLOCKING FOR FIXTURES AND ACCESSORIES. CONTRACTOR TO PROVIDE AND VERIFY TYPE AND STYLE WITH OWNER

	Specialty Equipment Schedule								
Type Mark	Description								
	<varies></varies>								
01	Electric Rack Baking Oven								
02	Planetary Mixer								
03	Tabletop mixer								
04	Heated Holding Proofing Cabinet								
05	Refrigerator Merchandiser								
06	3-Door Reach-In Cooler								
07	Reach-In Freezer								
08	Ice Maker								
09	Point of Sale / Cash Register								



NOTE: CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBF (22.2 N) FAUCETS LEVER-OPERATED, PUSH-TYPE AND ELECTRONICALLY SHALL COMPLY WITH 4.27.4

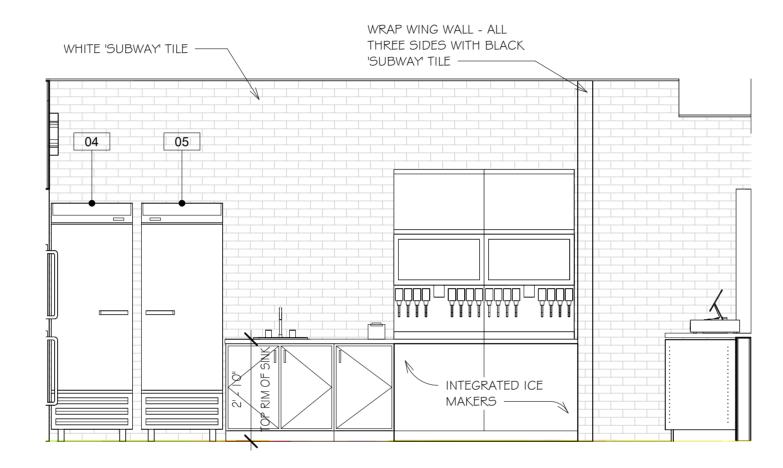
CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. SELF-CLOSING VALVES FAUCET

SHALL REMAIN OPEN FOR AT LEAST 10 SECONDS

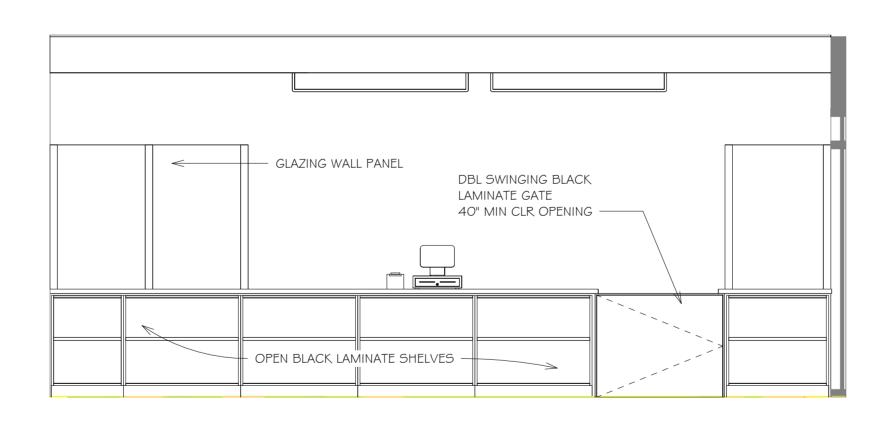
A FIXTURE MOUNTING HEIGHTS1 1/2" = 1'-0"

PAINT WALL -WHITE - TO ROOF DECK ABOVE WALL TILE AT OPEN CEILING AREA WHITE 'SUBWAY' WALL TILES - MONITOR - VERIFY LOCATION WITH OWNER - ORDER STATIONS - BLACK LAMINATE SHELF - MATCHING TILE COVE BASE

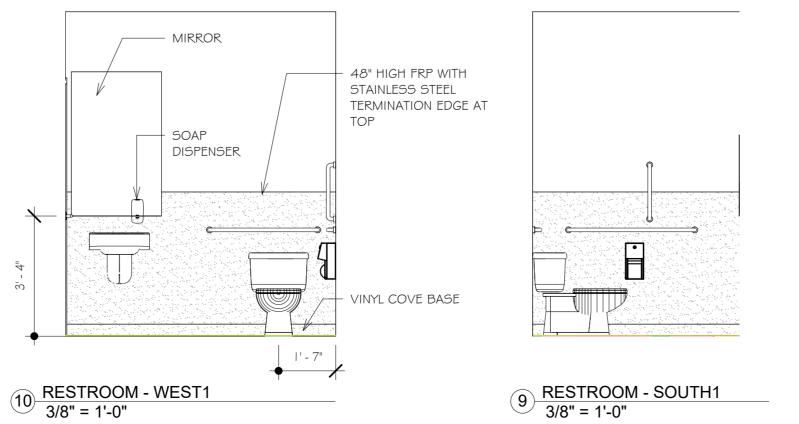
# 4 Elevation 1 - d 3/8" = 1'-0"

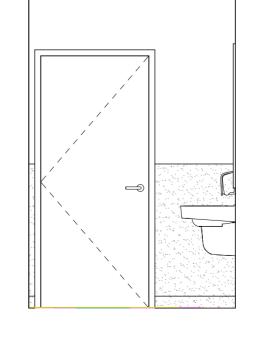


# 5 BAKING - WEST1 3/8" = 1'-0"



# 6 BAKING - SOUTH1 3/8" = 1'-0"

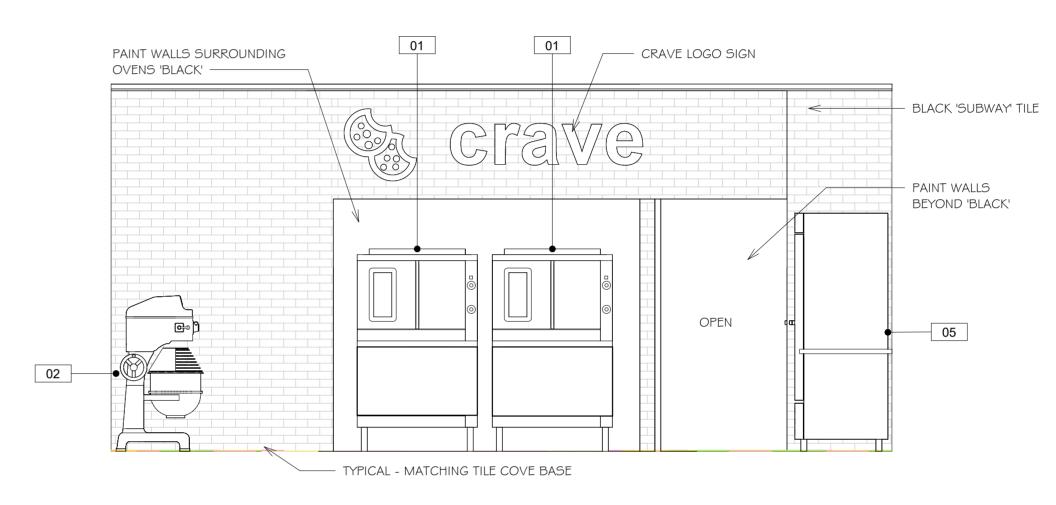




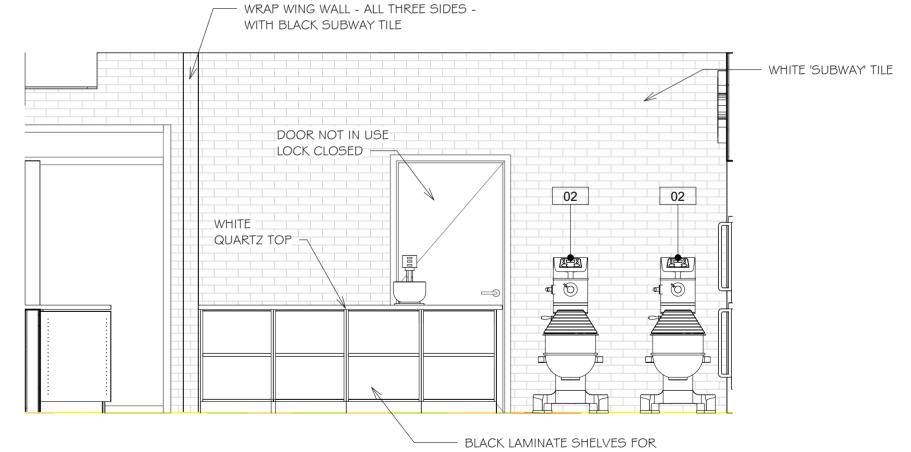
8 RESTROOM - NORTH1
3/8" = 1'-0"

PAINT SOFFIT BLACK MONITORS - VERIFY LOCATION WITH OWNER -GLAZING PANELS - BLACK LAMINATE DBL SWING GATE MIN 40" WHEN FULLY OPEN GLAZING PANELS +--> - WHITE QUARTS TOP - BLACK 'SUBWAY' WALL TILE - MATCHING TILE COVE BASE 09

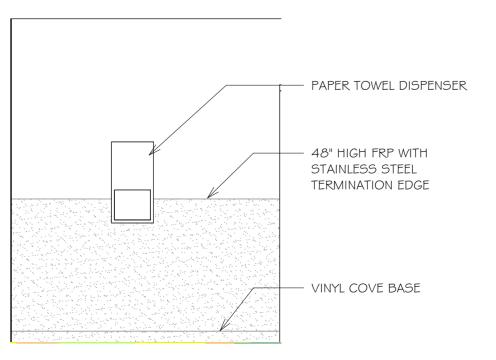
# 1 CUSTOMER SERVICE - NORTH1 3/8" = 1'-0"



# 2 BAKING - NORTH1 3/8" = 1'-0"



# INGREDIENT BINS - VERIFY WITH OWNER 3 BAKING - EAST1 3/8" = 1'-0"



7 RESTROOM - EAST1

ARCHITECT

2350 N 930 E PROVO, UT 84604 lance@healdesigngroup.com

Proffesional Certification. I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the State of UT.

PLEASE BE ADVISED: THESE DRAWINGS ARE NOT VALID FOR
CONSTRUCTION UNLESS THEY HAVE BEEN SIGNED AND SEALED

BY STANLEY LANCE HEAL, ARCHITECT. UT LIC # 8044421-0301 LIC EXP DATE: 5/31/2024

**Project Information** 

TENANT ALTERATION



# THE MIX RETAIL BUILDINGS

2300 N UNIVERSITY PKWY SUITE C PROVO, UT 84604

Client

CORY DEVENNEY

Description

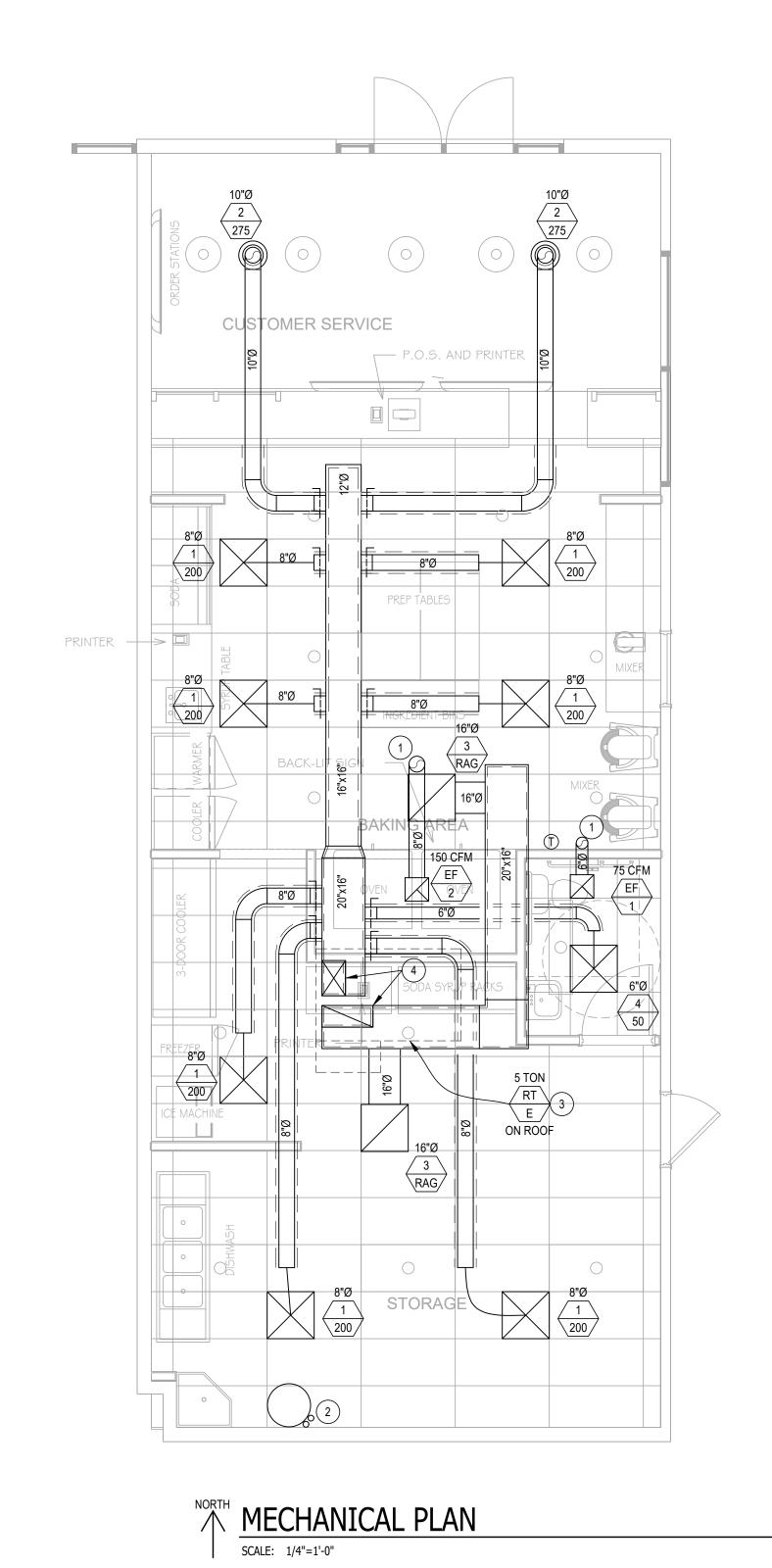
Sheet Title

INTERIOR ELEVATIONS



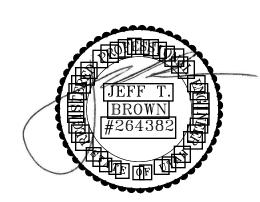
PROVO Page 6 of 17

Δ	BBREVIATIONS			LEGE		VO Page 7 of 17	DRAW	ING INDEX	GENERAL NOTES
AC ACCESS COVER	EWC ELECTRIC WATER COOLER	RA RETURN AIR	J AVR J	BARE SHEET METAL RECTANGULAR DUCT,	5—120° —5	120° F. HOT WATER			A) THESE DRAWINGS WERE PREPARED USING THE 2018 IBC, 2018 IMC,
AC ACCESS COVER AIR CONDITIONING  AD ACCESS DOOR AREA DRAIN	EWC ELECTRIC WATER COOLER  EWT ENTERING WATER TEMPERATURE  EXT EXISTING	RA RETURN AIR  RAG RETURN AIR GRILLE  RD ROOF DRAIN	AXB AXB	'A' AND 'B' ARE INSIDE CLEAR DIMENSIONS. 'A' IS WIDTH OF DUCT IN VIEW SHOWN.  1" LINED SHEET METAL RECTANGULAR DUCT, OR	5—140° — 5 5— - · - — 5	140° F. HOT WATER OXYGEN	MECHANICAL PLANS	R/DRAWING TITLE  PLUMBING PLANS	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.
AFF ABOVE FINISHED FLOOR	F FURNACE	RF RELIEF AIR	<u> AND</u>	1" FIBERGLASS DUCT, SEE DRAWINGS FOR TYPE, 'A' AND 'B' ARE INSIDE CLEAR DIMENSIONS.	<b>&gt;</b>	VACUUM	M001 TITLE SHEET LEGEND & ABBREVIATIONS	P201 PLUMBING PLANS	C) THESE DRAWINGS ARE TO SHOW THE GENERAL CONCEPT OF THE SYSTEMS. FIELD VERIFY ALL LOCATIONS AND COORDINATE EXACT ROUTING WITH ALL
AH AIR HANDLING UNIT	FB FAN POWERED VAV BOX	RH RELIEF HOOD RADIANT HEATER	AXB	'A' IS WIDTH OF DUCT IN VIEW SHOW.  1 1/2" WRAPPED SHEET METAL RECTANGULAR DUCT,	5—160° —5 5——∯——5	160° F. HOT WATER BUTTERFLY VALVE	M201 MECHANICAL PLAN	P701 PLUMBING DETAILS & SCHEDULES	TRADES.  D) REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF PLUMBING
AP ACCESS PANEL	FC FAN COIL UNIT	RI ROUGH-IN	<u> </u>	'A' AND 'B' ARE INSIDE CLEAR DIMENSIONS. 'A' IS WIDTH OF DUCT IN VIEW SHOW.	\$\$	BALL VALVE	M701 MECHANICAL DETAILS & SCHEDULES		FIXTURES, LIGHTS, CEILING DIFFUSERS, AND FIRE SPRINKLERS.
ATC AUTOMATIC TEMPERATURE CONTROL  AUTO AUTOMATIC	FD FLOOR DRAIN FIRE DAMPER	RP RADIANT PANEL RECIRCULATION PUMP	S A"Ø S	BARE SHEET METAL ROUND MEDIUM OR LOW PRESSURE DUCT, A"Ø IS DIAMETER.	<b>&gt;</b> ─ <b>▼</b> >	GATE VALVE CHECK VALVE			E) ALL DUCT SIZES LISTED IN THESE DRAWINGS ARE INSIDE CLEAR DIMENSIONS UNLESS NOTED OTHERWISE.
AV AIR ADMITTANCE VALVE	FH FIRE HYDRANT FL FILTER	RT ROOFTOP UNIT	<u> </u>	1 1/2" WRAPPED ROUND MEDIUM OR LOW PRESSURE DUCT, A"Ø IS DIAMETER.	\$ <del>\</del> <del>\</del> <del>\</del> <del>\</del> <del>\</del>	PLUG VALVE			F) 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
AW AIR WASHER	FLR FLOOR	RV RELIEF VENT RELIEF VALVE	\$\$	INSULATED ROUND FLEXIBLE DUCT, 5 FEET MAXIMUM.	\$ <u></u> \$	PRV			6", AND 1/16" FOR 8" AND LARGER.  G) SLOPE ALL HORIZONTAL ROOF DRAINAGE PIPING A MINIMUM OF A 1/8"
B BOILER BB BASEBOARD	FOB FLAT ON BOTTOM	REQD REQUIRED	_ <del>\</del>	DIRECTION OF AIRFLOW	<u> </u>	2-WAY AUTO VALVE 3-WAY AUTO VALVE			PER FOOT UNLESS NOTED OTHERWISE.
BDD BACKDRAFT DAMPER	FOS FLAT ON SIDE	SA SUPPLY AIR		SUPPLY DUCT RISER	<u>\$</u> \$	THERMOMETER			H) 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-
BFP BACKFLOW PREVENTOR	FOT FLAT ON TOP  FP FIREPLACE	SC SELF CONTAINED UNIT  SD STORM DRAIN		SUPPLY DUCT DROP  RETURN, EXHAUST, OR OUTSIDE AIR DUCT	Ş	GAUGE UNION			DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84.
BLD BUILDING	FS FLOOR SINK	SEF SMOKE EXHAUST FAN		RISER	5-1-5	STRAINER			J) ALL UNDERGROUND DUCT SHALL SLOPE TO ALLOW DRAINAGE TO A POINT PROVIDED WITH ACCESS.
BOD BOTTOM OF DUCT  BOU BOTTOM OF UNIT	FSD FIRE/SMOKE DAMPER	SF SUPPLY FAN		RETURN, EXHAUST, OR OUTSIDE AIR DUCT DROP	\$——\$——\$	BALANCING VALVE			K) PROVIDE CLEANOUTS EVERY 100 FEET ON HORIZONTAL WASTE LINES,
BTU BRITISH THERMAL UNIT	FU FIXTURE UNIT	SP STATIC PRESSURE	5 5	ROUND DUCT DROP	Ş— <del>▼</del> —\$	RELIEF VALVE  BACKFLOW PREVENTER			EVERY CHANGE OF DIRECTION GREATER THAN 45°, AT THE BASE OF WASTE STACKS, AND NEAR THE POINT THE SEWER ENTERS THE BUILDING.
BTUH BRITISH THERMAL UNIT PER HOUR	GA GAUGE GC GENERAL CONTRACTOR	SPEC SPECIFICATION  SS STAINLESS STEEL	<b>S S S S S S S S S S</b>	ROUND DUCT RISER  MANUAL VOLUME DAMPERS (SQUARE OR ROUND)	s—×s	PIPE ANCHOR	BUILDING UTIL	ITY INFORMATION	L) SEISMIC RESTRAINTS ARE REQUIRED PER 2018 IBC. ENGINEERING AND
CA COMBUSTION AIR	GI GREASE INTERCEPTOR	SANITARY SEWER		MOTORIZED DAMPER OR FIRE/SMOKE DAMPER	<b>&gt; - - - - - - - - - -</b>	DIRECTION OF FLOW  EXPANSION JOINT			RESTRAINT SELECTION ARE THE RESPONSIBILITY OF THE MECHANICAL AND PLUMBING CONTRACTORS.
CC COOLING COIL  CD CONDENSATE DRAIN	GPM GALLONS PER MINUTE	ST SOUND TRAP  STD STANDARD		DUCT ACCESS DOOR	\$————————————————————————————————————	FLEXIBLE CONNECTION		NIATOAC CIZINO COUEDUUE	M) FIRESTOPPING DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE INSTALLII CONTRACTOR.
CONSTRUCTION DOCUMENT	GRD GRADE	TAG TRANSFER AIR GRILLE	<u> </u>	INTAKE LOUVER WITH BIRDSCREEN	<del>\$                                    </del>	PIPING TEE DROP TO BELOW	UTILITY SIZING SCHEDULE		N) FIRESTOPPING DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE INSTALLII CONTRACTOR.
CFH CUBIC FEET PER HOUR  CFM CUBIC FEET PER MINUTE	GT GREASE TRAP  GW GREASE WASTE	TOD TOP OF DUCT		EXHAUST LOUVER WITH BIRDSCREEN  FIRE DAMPER	C——→	PIPING ELBOW DROP PIPING ELBOW RISER	TAG QTY COLD HOT COMBINED DFU'S TO	TAG OTY BTU/HR CUBIC FEET/HR	O) AS-BUILT DRAWINGS SHALL BE PROVIDED TO THE OWNER OR OWNERS REPRESENTATION OF OCCUPANCY.
STAIN SOBIOTEETT EK MINIKOTE	HB HOSE BIBB	TW THROUGH WALL UNIT  TYP TYPICAL		RECTANGULAR ELBOW WITH TURNING VANES	⊱ -SS	UNDERGROUND SANITARY SEWER	FU'S TOTAL FU'S TOTAL FU'S TOTAL	EACH TOTAL EACH TOTAL	P) O&M MANUALS FOR THE PROJECT SHALL BE PROVIDED TO THE OWNER OR OWNERS
の CHWR CHILLED WATER RETURN 出	HDR HEADER	UH UNIT HEATER		SLOT DIFFUSER	⊱—\$S—-\$	ABOVE GROUND SANITARY SEWER UNDERGROUND COLD WATER	1 5 5 5 5 4	4 E 1 88,000 88,000 101 101	REPRESENTATIVE WITHIN 90 DAYS OF CERTIFICATION OF OCCUPANCY AND INCLUE THE FOLLOWING ITEMS: EQUIPMENT SUBMITTALS, MANUFACTURES O&M'S, NAME A ADDRESS OF AT LEAST ONE SERVICE AGENCY, HVAC AND SERVICE HOT WATER
CHWS CHILLED WATER SUPPLY	HE HEAT EXCHANGER	UR URINAL		SQUARE DIFFUSER	· · · · · · · · · · · · · · · · · · ·	UNDERGROUND HOT WATER (120° F.)	1 1.5 1.5 1.5 2 2 2	2 WH 1 60,000 60,000 69 69	CONTROLS MAINTENANCE AND CALIBRATION INFORMATION, AND A NARRATIVE OF EACH PIECE OF EQUIPMENT IS TO OPERATE INCLUDING SETPOINTS.
CI CAST IRON NO CL CENTER LINE	HP HEAT PUMP  HTR HEATER	VAV VARIABLE AIR VOLUME	<u> </u>	DUCT MOUNTED GRILLE (RECTANGULAR)  BARE SHEET METAL ROUND MEDIUM OR LOW	<b>\$</b> \$	ABOVE GROUND COLD WATER	FD 2 2	TOTAL INPUT - BTU/HR 148,000	Q) PROVIDE AIR AND WATER BALANCING REPORTS TO BUILDING INSPECTOR PRIOR TO INSPECTION.
기 ※ CLG CEILING	HU HUMIDIFIER	VB VACUUM BREAKER VAV BOX	©	ROUND DIFFUSER	5————————————————————————————————————	ABOVE GROUND HOT WATER HOSE BIBB	FS .	BTU/HR*CUBIC FOOT 868	R) PIPE EXPANSION JOINTS IN THE VERTICAL RISERS AND HORIZONTAL RUNS ARE THE
♥ 위 CLR CLEAR 민	HVAC HEATING, VENTILATING & AIR CONDITIONING	VTR VENT THROUGH ROOF		24x24 RETURN AIR GRILLE	⊱-SS-⊜	FLOOR DRAIN	1 1 4	TOTAL EQUIPMENT INPUT - CUBIC FEET/HR 170	RESPONSIBILITY OF THE INSTALLING CONTRACTOR. FOLLOW THE INSTALLATION RECOMMENDATIONS FOR EACH PIPE MANUFACTURE. EXPANSION JOINTS SHOWN II DRAWINGS ARE MINIMUM REQUIREMENTS AND WILL VARY BASED ON ACTUAL PIPE
CO CLEAN OUT CONN CONNECTION	HW HOT WATER RETURN	W/ WITH  WA WATER HAMMER ARRESTOR		24x12 RETURN AIR GRILLE THERMOSTAT OR SENSOR	⊱ -ss-⊠	FLOOR SINK FIRE HYDRANT	FS 2 4	PRESSURE AT THE METER 2 PSI  DISTANCE FROM METER TO FURTHEST EQUIPMENT 75'-0"	ROUTING. IF DESIGN ASSISTANCE IS NEEDED PLEASE CONTACT JTB.
CONN CONNECTION  CONNECTION  CONNECTION  CONNECTION	HWR HOT WATER RETURN  HWS HOT WATER SUPPLY	WB WET BULB	(S)	SWITCH	ş—t <mark>o</mark> 1—ş	GLOBE VALVE	HS 1 1.5 1.5 1.5 2 2 2	NATURAL GAS LINE SIZE AT METER 1"	J
₹ EL CR CONDENSATE RETURN	IE INVERT ELEVATION	WC WATER CLOSET	(H)**	HUMIDITY SENSOR	<u> </u>	CONNECTION OFF SIDE	K 1 3 3 3 4 4 -		
E CT COOLING TOWER	IH INTAKE HOOD	WH WATER HEATER	Ф	CLEAN OUT	<del>, , , , , , , , , , , , , , , , , , , </del>	CONNECTION OFF BOTTOM  CONNECTION OFF TOP			
는 CU CONDENSING UNIT COPPER 트	INSUL INSULATION L LOUVER			COMPRESSED AIR  CONDENSATE DRAIN	<u>()</u> 5	WATER HAMMER ARRESTER	1 2.25 2.25 2.25 3 3 5	5	
CW COLD WATER	LAT LEAVING AIR TEMPERATURE		- GB	CONDENSATE RETURN	<del>5</del>	CAPPED END	1 3 0.5 1.5 - 0.5 1.5 -	-	
인 CWR CONDENSER WATER RETURN 또 CWS CONDENSER WATER SUPPLY	LAV LAVATORY		⊱—CWR—	CONDENSER WATER RETURN			TOTAL DOMESTIC WATER FIXTURE UNITS 17.5  GPM PER TABLE E102 18		
DA DILUTION AIR	LPG LIQUEFIED PETROLEUM GAS		⊱—CWS—s	CONDENSER WATER SUPPLY			WATER SIZING PER FIGURE E103C 1 1/4"		
NO DB DRY BULB	MAX MAXIMUM  MBH THOUSAND BTU PER HOUR		⊱CHWR→ ⊱CHWS→	CHILLED WATER RETURN CHILLED WATER SUPPLY					JEFF T.
DCW DOMESTIC COLD WATER	MC MECHANICAL CONTRACTOR		\$\$	HOT WATER RECIRCULATION LINE			TOTAL DRAINAGE FIXTURE UNITS	29	BROWN #264382
DF DRINKING FOUNTAIN  DUCT FURNACE  DESTRATIFICATION FAN	MD MANUAL DAMPER		⊱—HWR—s	HOT WATER RETURN			WASTE SIZING PER TABLE 710.1(1)	4"	
균 DOWN FLOW	MECH MECHANICAL		5—HWS—5	HOT WATER SUPPLY					
F DFU DRAINAGE FIXTURE UNIT  O DH DUCT HEATER	MH MANHOLE  MIN MINIMUM			NATURAL GAS  OVERFLOW ROOF DRAIN					PERMIT SET
DHW DOMESTIC HOT WATER	MU MAKE-UP AIR UNIT			ROOF DRAIN					REV. DATE DESCRIPTION
US DIA DIAMETER	NATGAS NATURAL GAS		\$ —	STEAM					
NI DOWN	NIC NOT IN CONTRACT		SHW-	SOFT COLD WATER					
리 DN DOWN 왕 DWG DRAWING	NTS NOT TO SCALE  OA OUTSIDE AIR		5—SHW—5 5V5	SOFT HOT WATER  VENT LINE					
至 EA EXHAUST AIR	OC ON CENTER		⊱ VTR	VENT THROUGH ROOF					A 3/29/2023 RELEASED FOR PERMIT
ら と EAT ENTERING AIR TEMPERATURE 近	OCEW ON CENTER EACH WAY								JTB HVAC & Plumbing Engineering, Inc.
EC ELECTRICAL CONTRACTOR EVAPORATIVE COOLER	ORD OVERFLOW ROOF DRAIN P PUMP								922 W. Baxter Drive, Suite 100 South Jordan, Utah 84095
H ONE EXHAUST FAN	P PUMP PH PENT HOUSE								WWW.JTBEngineering.net PH: (801) 849-8590
EH ELECTRIC HEATER EXHAUST HOSE	PRV PRESSURE REDUCING VALVE		ı		$NM\Lambda$ TC	RIAL SPECIFI	CVIIVIC		PROJECT NAME:
EL ELEVATION	P&TV PRESSURE & TEMPERATURE RELIEF VALVE				IVIAIC				CRAVE
© EQ EQUIPMENT SO ₩ ESP EXTERNAL STATIC PRESSURE	PSI POUNDS PER SQUARE INCH  PVC POLYVINYL CHLORIDE	MECHANICAL SPECIFICATION	,	,	CTANICIII ADV	PLUMBING ABOVE GRADE	SPECIFICATIONS (UNLESS NOTED OTHERWISE ON PLANS)	RELOW CDADE DIDING	PROVO
문 ESF EXTERINAL STATIO FIXESSORE 보 S EW EMERGENCY EYE WASH	QD QUICK DISCONNECT	LOW PRESSURE RECTANGULAR DUCT SUPPLY DUCT – SINGLE WALL SHEET RETURN DUCT – SINGLE WALL SHEET	METAL WITH 1" LINER	BELOW GRADE DUCT (ROUND AND REC SUPPLY DUCT — SINGLE WALL SHEET	METAL WITH PVS COATING	SANITARY WAS	FIPING  TE - SCH40 PVC DWV PIPE WITH SOLVENT GLUED DWV FITTINGS  - SCH40 PVC DWV PIPE WITH SOLVENT GLUED DWV FITTINGS	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	ADDRESS 2300 N UNIVERSITY PKWY
ORMAT		EXHAUST DUCT - SINGLE WALL SHEE	T METAL	RETURN DUCT — SINGLE WALL SHEET	I WETAL WITH PVS CUATING	DOMESTIC COL	- SCH4U PVC DWV PIPE WITH SOLVENT GLUED DWV FITTINGS  D WATER, ≤ 1-1/2"ø - BLUE PEX TUBING WITH POLYALLOY CRIMPED FITTINGS  D WATER, ≥ 2"ø - CPVC PIPE WITH GLUED FITTINGS OR AQUATHERM PIPE	DOMESTIC WATER - TYPE 'K' COPPER TUBING WITH LEAD-FREE SOLDER JOINTS	PROVO, UT 84604
ALL INF		OUTSIDE AIR DUCT – SINGLE WALL SH	ILET WETAL WITH 1" LINER	FLUE PIPING  SINGLE WALL — ALUMINUM SINGLE WALL — ALUMINUM BLVENT P	,		WATER, ≥ 2"Ø - CPVC PIPE WITH GLUED FITTINGS OR AQUATHERM PIPE WATER - RED PEX TUBING WITH POLY ALLOY CRIMPED FITTINGS WITH 1" FIBERGLASS INSULATION	DOMESTIC PIPING INSULATION  1" FIBERGLASS INSULATION FOR PIPING ≤ 1-1/4"ø	DRAWING TITLE:
ET AND		LOW PRESSURE ROUND DUCT SUPPLY DUCT – SINGLE WALL SHEET RETURN DUCT – SINGLE WALL SHEET			Irc		WITH 1" FIBERGLASS INSULATION  RAINS (INSIDE) — SCH40 PVC WITH SOLVENT CEMENT JOINTS  RAINS (OUTSIDE) — TYPE 'M' CU TUBING WITH SOLDER JOINTS	1" FIBERGLASS INSULATION FOR PIPING ≤ 1-1/4"ø  1-1/2" FIBERGLASS INSULATION FOR PIPING ≥ 1-1/2"ø	TITLE SHEET
NG SHE		EXHAUST DUCT - SINGLE WALL SHEE	T METAL	N VVIVAF		NATURAL GAS,	RAINS (OUTSIDE) — TYPE 'M' CU TUBING WITH SOLDER JOINTS ≤ 2"ø — SCH40 BLACK PIPE WITH THREADED JOINTS ≥ 2-1/2"ø — SCH40 BLACK PIPE WITH WELDED JOINTS		JOB NO: 23.055 SHEET NUMBER
DRAW!		COMBUSTION AIR DUCT - SINGLE WA OUTSIDE AIR DUCT - SINGLE WALL SI		ATION WRAP		ROOF DRAINS	≥ 2-1/2"ø – SCH40 BLACK PIPE WITH WELDED JOINTS - SCH40 PVC DWV PIPING WITH SOLVENT GLUED DWV FITTINGS RETURN AIR PLENUM) – CAST IRON PIPING		DATE: 03/29/2023  DRAWN BY: JH/CD  SCALE: NTS
						I BOOK BEARING	SETTION AIG DI EVITIVA - L'ACTIDANTAMINA.		I UKAWARY



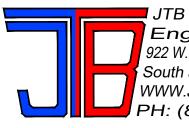


- EXHAUST DUCT UP THRU ROOF. TERMINATE WITH ROOF CAP. MAINTAIN 10'-0" FROM O.A. INTAKE.
- 2 COMBUSTION & FLUE FROM WATER HEATER UP THRU ROOF PROVIDE CONCENTRIC VENT KIT. MAINTAIN 10"-0" FROM O.A. INTAKE.
- 3 EXISTING RTU, VERIFY EXACT LOCATION & CAPACITY.
- (4) CONNECT TO EXISTING SUPPLY & RETURN DROPS.



# PERMIT SET

REV.	DATE	DESCRIPTION
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Α	3/29/2023	RELEASED FOR PERMIT



JTB HVAC & Plumbing Engineering, Inc. 922 W. Baxter Drive, Suite 100 South Jordan, Utah 84095 WWW.JTBEngineering.net PH: (801) 849-8590

PROJECT NAME:
CRAVE
PROVO

ADDRESS 2300 N UNIVERSITY PKWY PROVO, UT 84604

DRAWING TITLE:

MECHANICAL

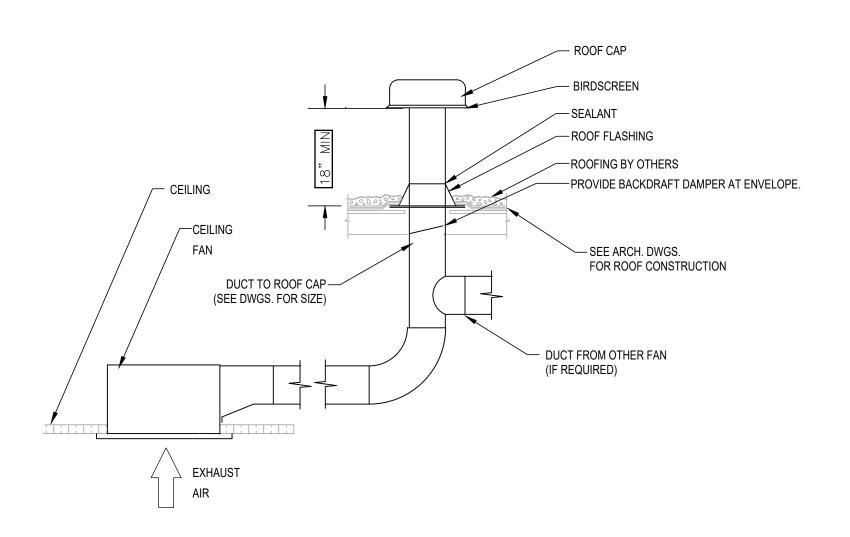
PLAN

 JOB NO.:
 23.055
 SHEET NUMBER

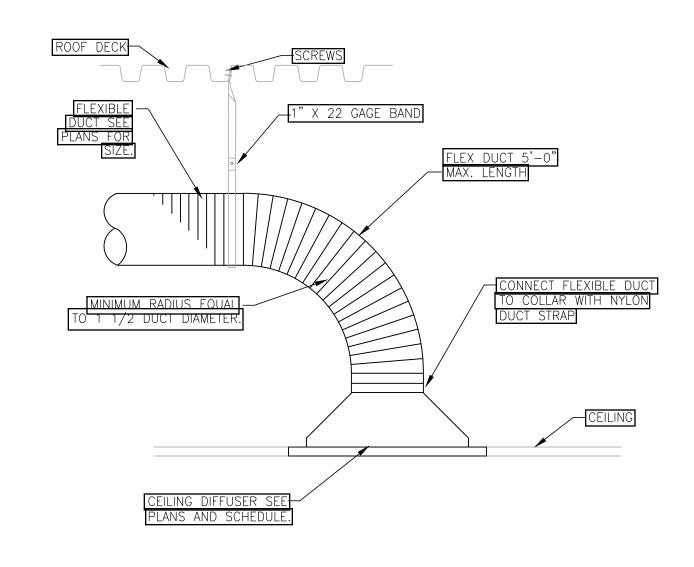
 DATE:
 03/29/2023

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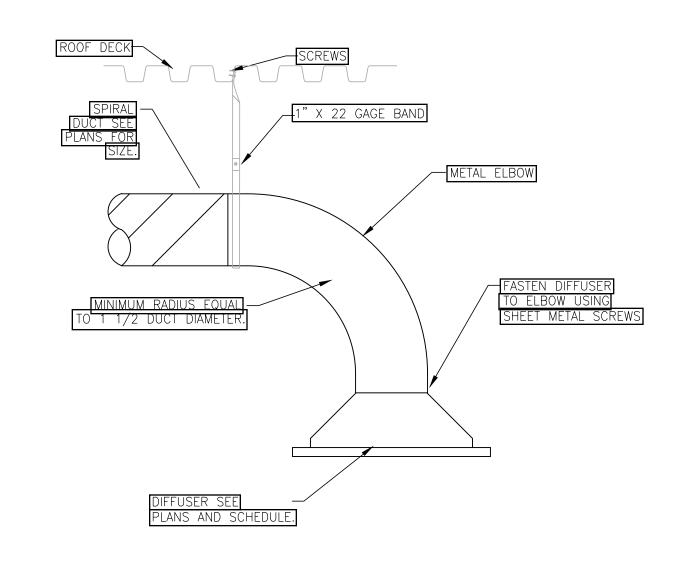
 SCALE:
 1/4"=1'-0"



# RESTROOM EXHAUST FAN DETAIL



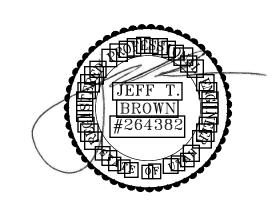
# B CEILING MOUNTED DIFFUSER DETAIL



C DUCT MOUNTED DIFFUSER DETAIL

	REGISTER, GRILLE, AND DIFFUSER SCHEDULE											
TAG	RGD MOUNTING LOCATION RGD USE	RGD BORDER SIZE INCHES	RGD NECK SIZE INCHES	RGD FACE STYLE	CEILING TYPE	RGD AIR PATTERN	RGD CONNECTION SIZE INCHES	RGD FINISH COLOR	OPTIONS AND ACCESSORIES	RGD MANUFACTUREF MODEL NUMBER		
1	CEILING MOUNTED SUPPLY AIR	24x24	10"Ø	LOUVER	T- BAR	4 WAY	10"Ø	WHITE	-	KRUEGER 1400		
2 \ - /	CEILING MOUNTED SUPPLY AIR	19"Ø	10Ø	ROUND	DUCT MOUNT	360°	120Ø	WHITE	-	KRUEGER RM1/5RM1		
3 \ - /	CEILING MOUNTED RETURN/TRANSFER AIR	24x24	-	PERF.	T- BAR	-	-	WHITE	INSULATED PLENUM -	KRUEGER 6790		
4	CEILING MOUNTED SUPPLY AIR	24x24	6"Ø	LOUVER	T- BAR	4 WAY	6"Ø	WHITE	-	KRUEGER 1400		

	EXHAUST FAN SCHEDULE											
TAG	EXHAUST FAN LOCATION AREA SERVED	CFM @ ALT.	ESP. INCHES W.C.	FAN WHEEL RPM	SONES/ DB	POWER V/PH/HZ	ELECT HP	RICAL MOTOR RPM	DISCON- NECT/ STARTER	FAN OPER. WEIGHT LBS.	OPTIONS AND ACCESSORIES	EXHAUST FAN MANUFACTURER MODEL NUMBER
EF 1	CEILING MOUNT RESTROOM	75	.13	-	-	120/1/60	87W	-	BY EC N/A	-	SPEED CONTROLLER ON WITH LIGHTS	BROAN L100
EF 2	CEILING MOUNT OVENS	200	1.13	-	-	120/1/60	127W	-	BY EC N/A	-	SPEED CONTROLLER SWITCH ON WALL	BROAN L200



# PERMIT SET

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PROVO

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PROVO, UT 84604

PROVO, UT 84604

DRAWING TITLE:

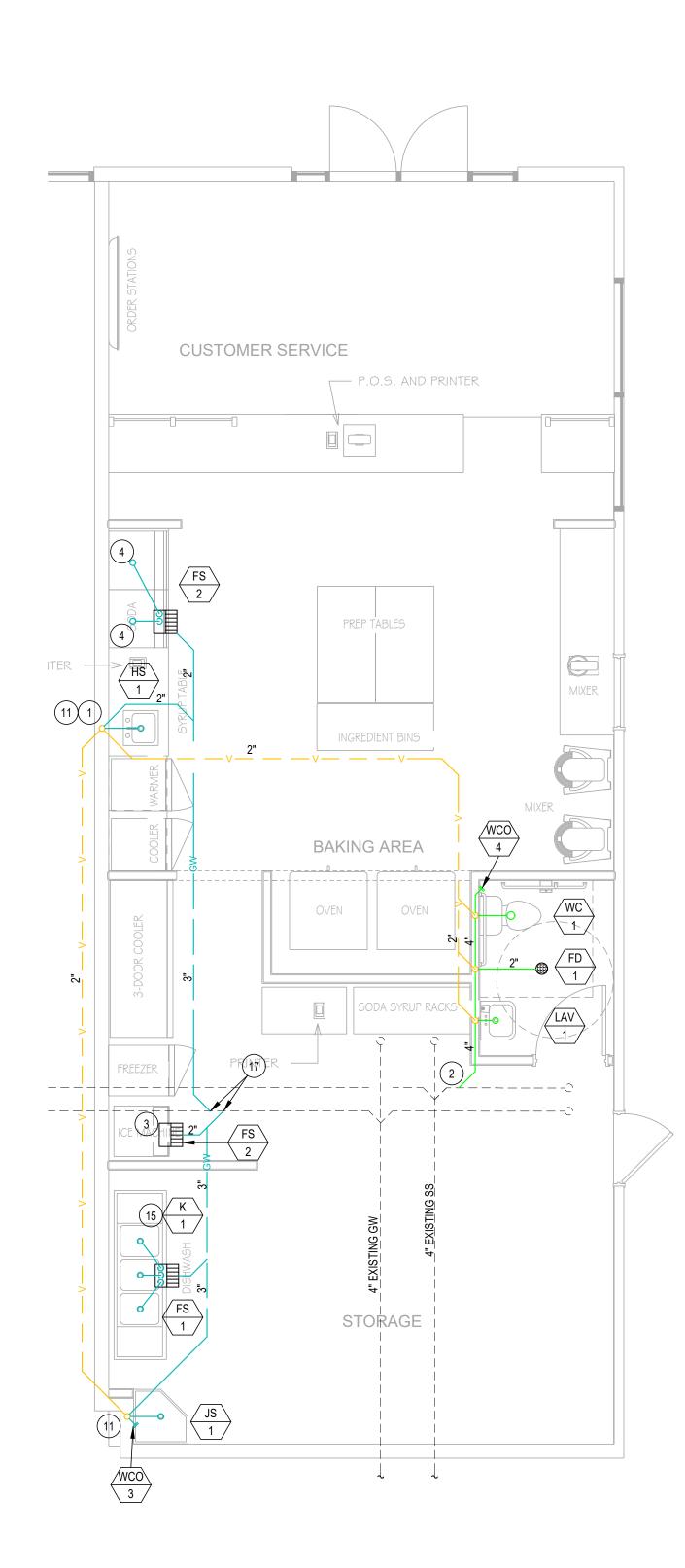
MECHANICAL
DETAILS & SCHEDULES

 JOB NO.:
 23.055
 SHEET NUMBER

 DATE:
 03/29/2023

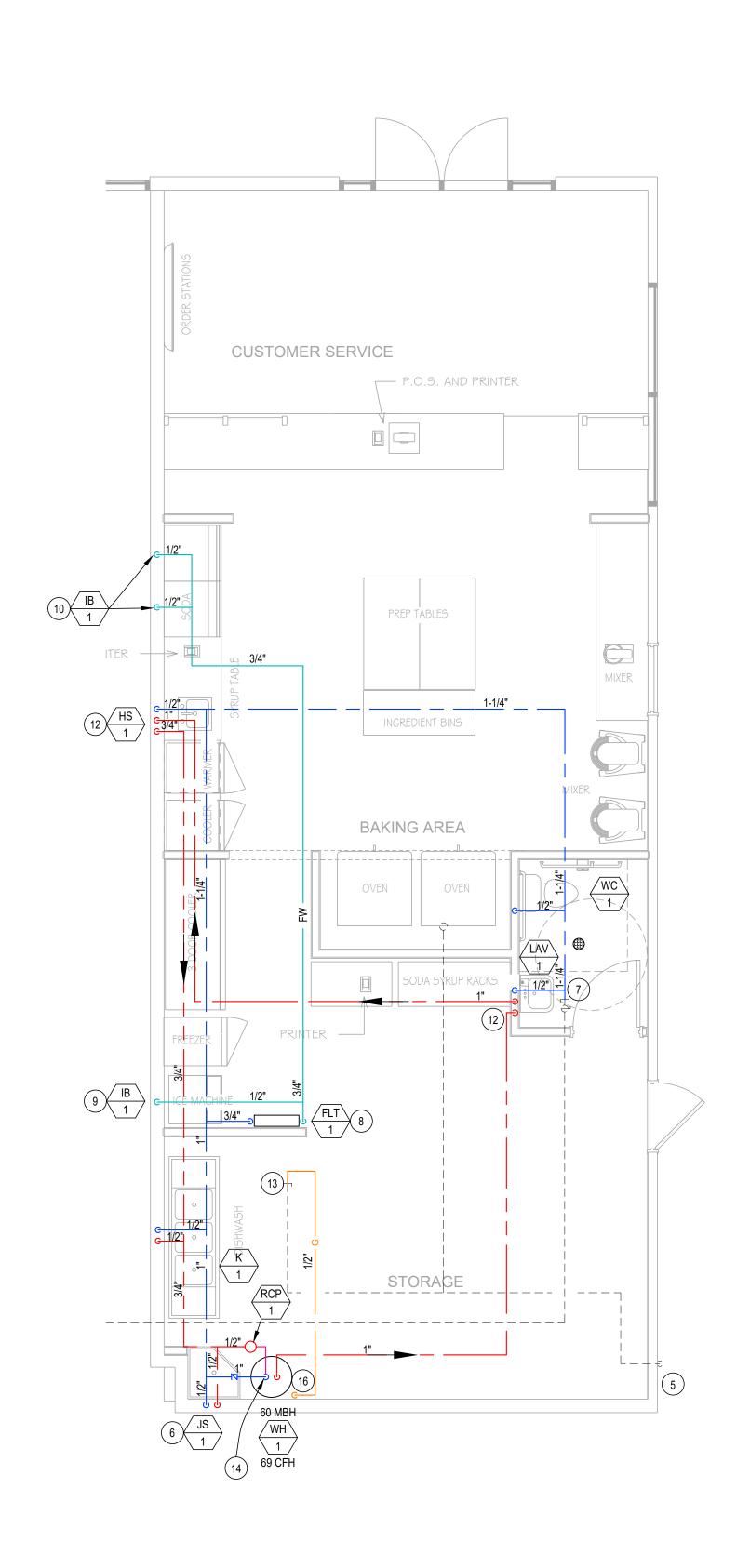
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 SCALE:
 NTS



WASTE & VENT PLUMBING PLAN

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

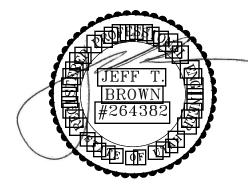


NORTH WATER & NATGAS PLUMBING PLAN

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

**KEYED NOTES** 

- 1 VENT THRU ROOF, MAINTAIN 10-0" FROM O.A. INTAKE.
- 2 CONNECT TO EXISTING SS IN THIS AREA VERIFY EXACT LOCATION 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 FROM EXISTING GAS METER, VERIFY IT CAN PROVIDE 250 CFH @ 2 PSI. UPGRADE IF NEEDED.
- 6 1/2" DCW & 1/2" DHW FROM HOT WATER LOOP TO JANITOR SINK.
- (7) CONNECT TO EXISTING 1-1/4" DCW.
- 8 CONNECT TO WATER FILTER (3M DP190) 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.
- 1/2" FILTERED DCW DROP DOWN WALL TO SODA MACHINE. PROVIDE BOX IN WALL WITH SHUTOFF VALVE.
- (11) VENT FOR COMBINATION WASTE/VENT.
- 1/2" DCW & 1/2" DHW FROM HOT WATER LOOP TO LAV. FULL SIZED DHW DOWN & UP, BRANCH WITHIN 2'-0" OF FIXTURE.
- CONNECT TO EXISTING 2 LB LAND LORD PROVIDED GAS LINE IN THIS AREA, VERIFY EXACT LOCATION.
- (14) 1" DCW DOWN TO WATER HEATER.
- PLUMBING FIXTURE BY KITCHEN CONSULTANT, SEE KITCHEN EQUIPMENT FOR SPEC'S. COORDINATE WITH ENGINEER FOR ANY QUESTIONS. ROUTE RAIN FROM EACH COMPARTMENT TO FLOOR SINK, SEE DETAIL.
- (16) 1/2" NATURAL GAS DOWN TO WH. PROVIDE FULL PORT SHUTOFF VALVE & FLEX.
- CONNECT TO EXISTING GREASE WASTE IN THIS AREA, VERIFY IN FIELD EXACT LOCATION.



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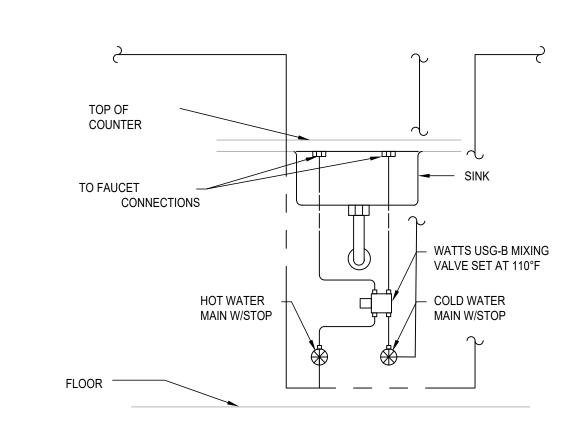
DRAWING TITLE:
PLUMBING
PLANS

 JOB NO.:
 23.055
 SHEET NUMBER

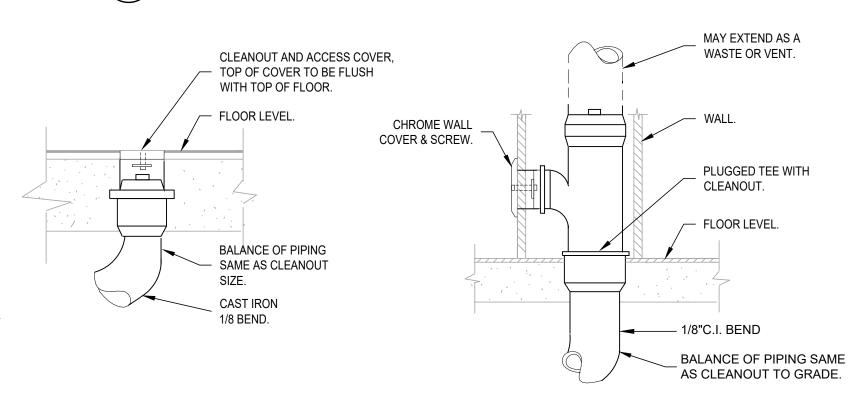
 DATE:
 03/29/2023

 DRAWN BY:
 JH/CD

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



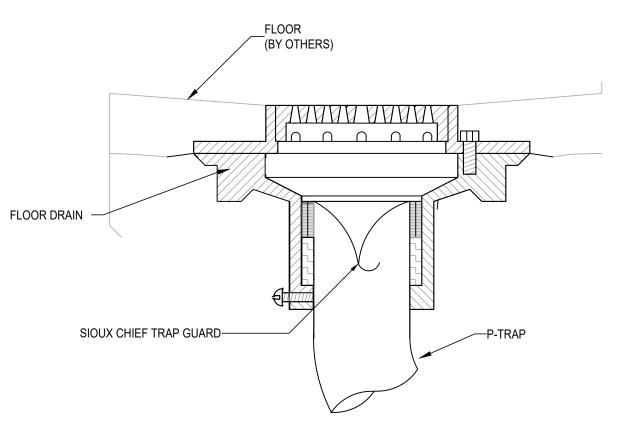
# A LAV MIXING VALVE DETAIL NTS NTS



FLOOR CLEAN-OUT

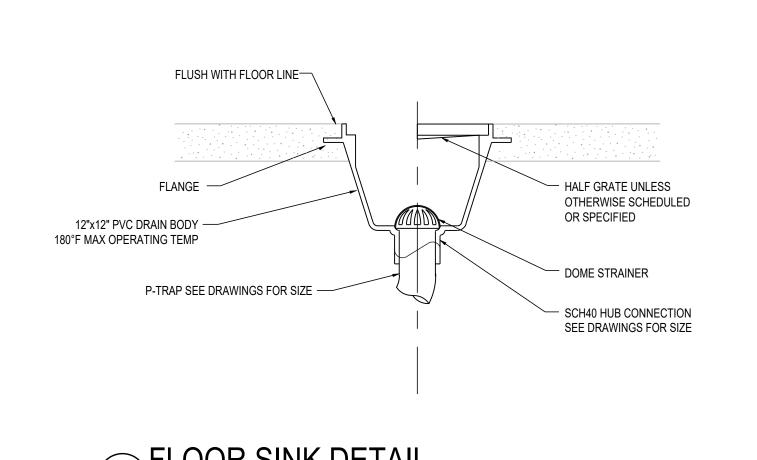
WALL CLEAN-OUT





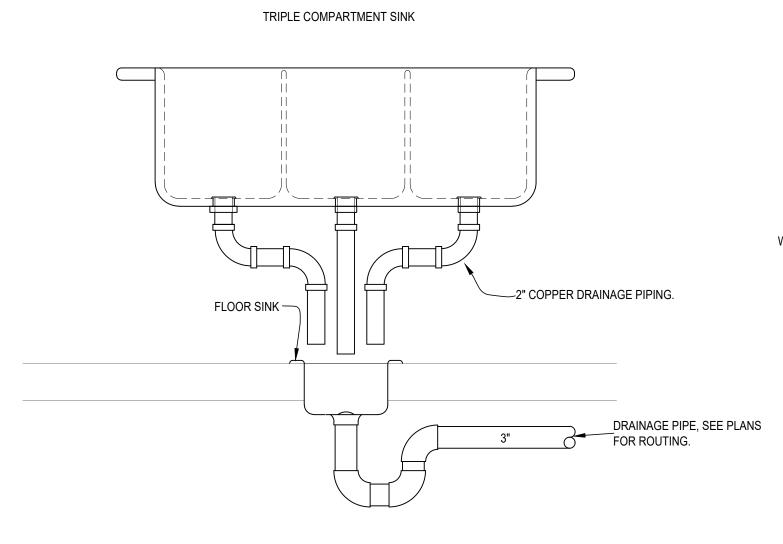
C FLOOR DRAIN DETAIL

NTS NTS



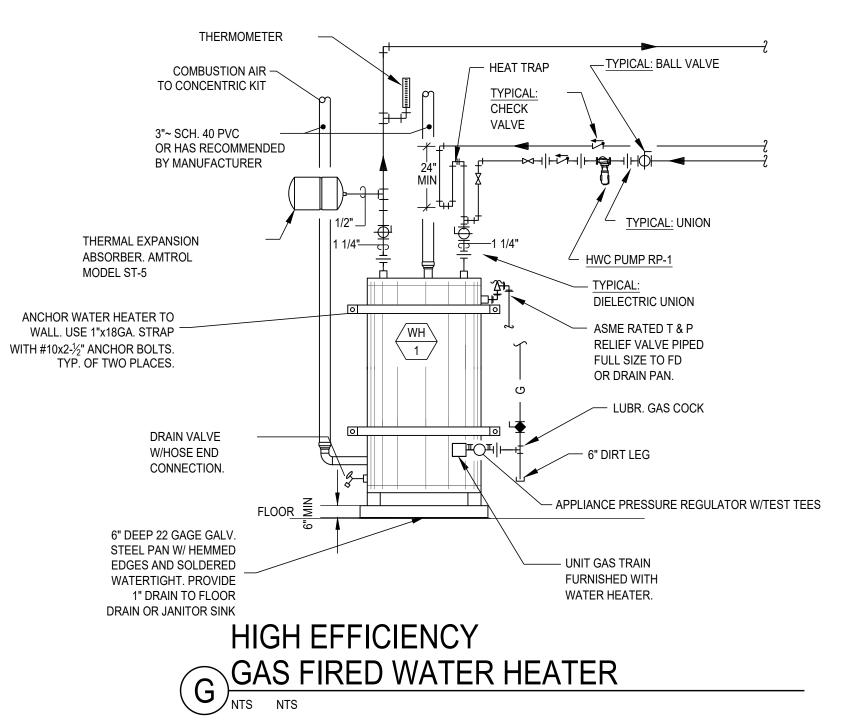
PLUMBING FIXTURE OR FIXTURE FITTING	MAXIMUM FLOW RATE OR QUANTITY
LAVATORY, PRIVATE	2.2 GPM AT 60 PSI
LAVATORY, PUBLIC (METERING)	0.25 GALLON PER METERING CYCLE
LAVATORY, PUBLIC (OTHER THAN METERING)	0.5 GPM AT 60 PSI
SHOWER HEAD*	2.5 GPM AT 80 PSI
SINK FAUCET	2.2 GPM AT 60 PSI
URINAL	1.0 GALLON PER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

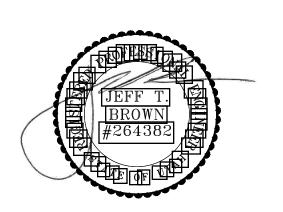
MAXIMUM FLOW RATES & CONSUMPTION
FOR PLUMBING FIXTURES & FIXTURES FITTINGS
NTS NTS



TRIPLE-COMPARTMENT SINK DETAIL

							PLUI	MBING SCHEDULE		
TAG	FIXTURE TYPE MOUNTING LOCATION	FIXTURE ROUGH-IN SIZES inches  DOMESTIC WATER WASTE & VENT						ACCESSORIES AND COMMENTS	FIXTURE MANUFACTURER MODEL NUMBER	
		COLD HOT TRAP VENT WASTE			WASTE	COLOR				
FD 1	FLOOR DRAIN -	-	-	2"	2"	2"	PVC	- ROUND NICKEL BRONZE STRAINER - SIOUX CHIEF TRAP PROTECTION (835-2)		
/WC	WATER CLOSET-ADA WALL MOUNT-VALVE	1"	-	-	2"	4"	WHITE	SLOAN REGAL FLUSH VALVE (111-XL)  BEMIS WHITE SEAT (1955C)  LEFT TRIP ARM  J.R. SMITH CARRIER (0230Y OR DY)		
LAV 1	LAVATORY-ADA WALL MOUNT	1/2"	1/2"	1-1/4"	2"	2"	WHITE	INSULATED P-TRAP COVER SIOUX CHIEF OXBOX (696-G2011XF), WATTS LFUSG-B MIXING VALVE PROFLO 1 1/4" SS GRID STRAINER AND P-TRAP MOEN FAUCET (8800 CHROME)		
FS 1	FLOOR SINK	-	-	3"	2"	3"	PVC		SIOUX CHIEF 861-3PZ2W	
FS 2	FLOOR SINK	-	-	2"	2"	2"	PVC		SIOUX CHIEF 861-2PZ2W	
K 1	KITCHEN SINK 3-COMPARTMENT	1/2"	1/2	-	-	IND	SS		PROVIDED BY OWNER	
HS 1	HAND SINK COUNTER MOUNT	1/2"	1/2"	1 1/4	2"	2"	SS	INSULATED P-TRAP COVER REMOVABLE DRAIN BASKET PROFLO 1 1/4" SS GRID STRAINER AND P-TRAP GOOSENECK FAUCET (INCLUDED)		
IB 1	ICE MAKER BOX	1/2"	1/2"	-	-	-	WHITE	- 1/4 TURN VALVE	OATEY 39136	
FLT 1	WATER FILTER	1/2	-	-	-	-	-	- 5 GPM 2 MICRON	3M PURIFICATION DP190	
WH 1	WATER HEATER NATURAL GAS (POWERED VENT)	3/4"	3/4"	-	-	-	-	60,000 BTU/HR, 0.68ENERGY FACTOR  48 GALLON TANK, THERM-X-TROL EXPANSION TANK (ST-12)  T&P RELIEF VALVE HEAT TRAPS	BRADFORD WHITE LG2PV50H603N	
RP 1	HOT WATER RECIR. PUMP ABOVE CEILING	-	3/4"	-	-	-	-	ELECTRICAL – 115V / 1Ø / 60 (1/25 HP, 0.7 AMPS) - HARDWIRED FLANGED CONNECTION 2 GPM @ 10 FEET OF HEAD, AUTO SHUT OFF AND TIMER SUPPLY COMPANION FLANGES		
wco -	WALL CLEANOUT NUMBER IS SIZE	-	-	-	-	VARIES	-		JAY R. SMITH 4472T	
FCO -	FLOOR CLEANOUT NUMBER IS SIZE	-	-	-	-	VARIES	-		JAY R. SMITH 4101S	
JS 1	JANITOR SINK FLOOR MOUNT	1/2"	1/2"	3"	2"	3"	WHITE	FIAT FAUCET (830-AA) FIAT HOSE AND BRACKET (832-AA)  FIAT HOSE AND BRACKET (832-AA)	FIAT MSB-2424	







PROVO

ADDRESS

BOO N UNIVERSITY PKWY

ADDRESS 2300 N UNIVERSITY PKWY PROVO, UT 84604

PLUMBING
DETAILS & SCHEDULES

 JOB NO.:
 23.055
 SHEET NUMBER

 DATE:
 03/29/2023
 P701

 DRAWN BY:
 JH/CD
 SCALE:
 NTS

			LUMINAIRE SCHEDULE						
				VOLTS		LAMPS			
TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER		QTY	MODEL	MOUNTING	VA	NOTES
L1	2'X4' LED TROFFER	LITHONIA	CPX 2X4 4000LM 80CRI 35K A12 MIN10 ZT	MVOLT	LED	SUPPLIED W/UNIT	RECESSED	40	
L1E	2'X4' LED TROFFER W/EM. BAT.	LITHONIA	CPX 2X4 4000LM 80CRI 35K A12 MIN10 ZT E10WLCP	MVOLT	LED	SUPPLIED W/UNIT	RECESSED	40	
L2E	10"X4' LED SURFACE WRAP W/EM. BAT.	LITHONIA	LBL4 4800LM 80CRI 35K MIN1 GZT E10WLCP	MVOLT	LED	SUPPLIED W/UNIT	SURFACE	45	
L3	EXIT LUMINAIRE	ISOLITE	CMB-EM-G-U-WH-MTEBP-0-SD	MVOLT	LED	INCLUDED	WALL 7'-6" AFF	10	
L4	ARCHITECTURAL EXTERIOR EGRESS	AFFINITY	AFF OEL DDBTXD LTP SDRT WT CW	UVOLT	LED	INCLUDED	WALL 7'-6" AFF	3	
L5	EMERGENCY EGRESS	ISOLITE	RL2LED-2-WH-MBC-SD	MVOLT	LED	INCLUDED	WALL 7'-6" AFF	10	
L6	6" LED DOWNLIGHT	LITHONIA	LDN6 35/02 L06 AR LSS 120 GZ1	MVOLT	LED	INCLUDED	RECESSED	4	
L7	LARGE PENDANT	GOLDEN LIGHTING	6956-L OG-BLK PROVIDE A21 LED, E26 BASE, 5000K LAMP	120	LED	NOT INCLUDED	PENDANT 10'-0" AFF	17	

THE FIXTURES LISTED IN THIS SCHEDULE REPRESENT THE QUALITY AND TYPE OF FIXTURES DESIRED. EQUALS OF THOSE MANUFACTURERS NOTED IN THE REMARKS ARE ACCEPTED. FOR THOSE FIXTURES WITHOUT A MANUFACTURE DESIGNATION IN THE REMARK COLUMN THE SUPPLIER MAY SUBMIT A FIXTURE THEY BELIEVE TO BE EQUAL TO THE ONE SPECIFIED. TO BE ACCEPTABLE THE FIXTURES SUBMITTED MUST BE OF THE SAME TYPE AND MATERIAL AS THAT SPECIFIED AND MUST RECEIVE APPROVAL FROM THE ENGINEER BY ADDENDUM PRIOR TO BID.

	EQUIPMENT SCHEDULE											
	ELECTRICAL											
MARK	DESCRIPTION		LOAD				,	DISCONNECT	FUSE			
		V/PH	(kW)	HP	FLA	MCA	MOCP	SIZE/POLE	SIZE	NOTES		
K-1	REACH-IN FREEZER	115/1			4.4					2		
K-2	ICE MAKER	115/1			10.8					2		
K-4	3-DOOR REACH-IN COOLER	115/1			5.6					2		
K-5	TABLETOP MIXER	115/1		1	10					2		
K-9	PLANETARY MIXER	208/1		2	12					2		
K-10	CONVECTION OVEN	280/3	18							1,2		
K-11	HEATED PROOFING CABINET	120/1	1.5							2		
K-12	REFRIGERATOR MERCHANDISER	115/1		1/5	1.6					2		
K-17	SODA DISPENSER	120/1	1							2		

V/PH/Hz = VOLTAGE / PHASE / HERTZ

MCA = MINIMUM CIRCUIT AMPACITY

MOCP = MAXIMUM OVER CURRENT PROTECTION LISTED BY THE MANUFACTURER

) REQUIRES A 120V CONTROL CIRCUIT

2) CONFIRM EXACT HEIGHT OF UNIT PRIOR TO ROUGH-IN AND MAKE FINAL CONNECTION TO UNIT

MECHANICAL EQUIPMENT SCHEDULE										
					I	ELECTRIC	CAL			
MARK	DESCRIPTION		LOAD				1	DISCONNECT	FUSE	
		V/PH	(kW)	HP	FLA	MCA	MOCP	SIZE/POLE	SIZE	NOTES
EF-1	EXHAUST FAN	120/1	0.087							2
EF-2	EXHAUST FAN	120/1	0.127							2
RT-1	ROOF-TOP UNIT	208/3					60	60/3	60	3
RP-1	RECIR. PUMP	115/1			0.7					1

V/PH/Hz = VOLTAGE / PHASE / HERTZ MCA = MINIMUM CIRCUIT AMPACITY

MOCP = MAXIMUM OVER CURRENT PROTECTION LISTED BY THE MANUFACTURER

) INSTALL CIRCUIT THROUGH AQUASTAT AND CONTROLS BY PC IF NEW PUMP INSTALLED. SEE DRAWINGS FOR SWITCHING. WIRE IN SPEED CONTROLLER FURNISHED BY MC.

EXISTING UNIT. CONFIRM AND PROVIDE FEEDER AND OCP AS REQUIRED.

		SYMBOL SCHE		T
SYMBOL	DEVICE/FIXTURE DESCRIPTION	CATALOG NUMBER	MOUNTING	COMMENTS
0	LIGHT FIXTURE	SEE LIGHTING FIXTURE SCHEDULE	CEILING	(1) (2) (3)
$\searrow$	EMERGENCY LIGHT FIXTURE	SEE LIGHTING FIXTURE SCHEDULE	CEILING	(1) (2) (3) (4)
$\bowtie$	EXIT FIXTURE - WALL MOUNT	SEE LIGHTING FIXTURE SCHEDULE	WALL	(1) (2) (4)
$\otimes$	EXIT FIXTURE — CEILING MOUNT	SEE LIGHTING FIXTURE SCHEDULE	CEILING	(1) (2) (4)
	RECESSED LIGHT FIXTURE	SEE LIGHTING FIXTURE SCHEDULE	CEILING	(1) (2) (3)
Ю	WALL LIGHT FIXTURE	SEE LIGHTING FIXTURE SCHEDULE	WALL	(1) (2)
<b>D</b>	EMERGENCY LIGHT FIXTURE	SEE LIGHTING FIXTURE SCHEDULE	WALL	(1) (2) (4)
0	PENDANT/CHANDELIER LIGHT FIXTURE	SEE LIGHTING FIXTURE SCHEDULE	SUSPENDED	(1) (2) (3)
<b>Q</b>	1 CIRCUIT ECO DIMMING CONTROLLER	WATTSTOPPER LMRC-111	ABOVE L CFILING	(11) (30) (32)
	1 CIRCUIT DIMMING CONTROLLER	WATTSTOPPER LMRC-211	ABOVE I CEILING	(11) (30) (32)
	2 CIRCUIT DIMMING CONTROLLER	WATTSTOPPER LMRC-212	ABOVE CEILING	(11) (30) (32)
	3 CIRCUIT DIMMING CONTROLLER	WATTSTOPPER LMRC-213		(11) (30) (32)
19	1 CIRCUIT SWITCHING CONTROLLER	WATTSTOPPER LMRC-101	A D/A\/E	(11) (30) (32)
	1 CIRCUIT FORWARD PHASE CONTROLLER	WATTSTOPPER LMRC-221	ABOVE L CEILING	(30) (11)
	DUAL TECHNOLOGY OCCUPANCY SENSOR	WATTSTOPPER LMDC-100		(11)
<del>\</del>	[MOTOR]	SEE MECHANICAL SCHEDULE	SEE MECH	(22)
\$1	WALL SWITCH TIMER - 7 DAY	INTERMATIC EI600WC		(10) (11)
<u> </u>	SINGLE POLE SWITCH	HUBBELL RD600RW		(6) (11)
	WALL SWITCH OCCUPANCY SENSOR	WATTSTOPPER PW100		(7) (11)
	WALL DIMMING OCCUPANCY SENSOR	WATTSTOPPER DW-311		(7) (11)
	DIMMING SWITCH	WATTSTOPPER LMDM-101		(11) (32)
	SINGLE SWITCH, LM SYSTEM	WATTSTOPPER LMSW-101		(11) (32)
	DOUBLE SWITCH, LM SYSTEM	WATTSTOPPER LMSW-102		(11) (32)
	FIVE SCENE, LM SYSTEM	WATTSTOPPER LMSW-105		(11)
— <del>   </del>	DUPLEX RECEPTACLE, TR, GROUNDING TYPE	HUBBELL BR20WTR	18"	(6) (11)
<del></del>	DUPLEX OUTLET, GROUNDING TYPE	HUBBELL BR20W	18"	(6) (11)
<u> </u>	DUPLEX OUTLET - GFI, TR	HUBBELL GFTRST20W	18"	(6) (11)
<b>→</b>	DUPLEX OUTLET - GFI	HUBBELL GF5352-IA	18"	(6) (11)
•	DUPLEX USB OUTLET	HUBBELL USB20X2W	44"	(6) (11)
<del></del>		(2) HUBBELL BR20W		
₩ #	DOUBLE DUPLEX OUTLET SINGLE PHASE SPECIAL OUTLET	NEMA - SUBSCRIPT MARKS TYP		(6) (11) (6) (11)
			18"	
<b>(</b>	JUNCTION BOX	4" x 4" SEE SPEC.	CEILING	(12)
<b>-</b> []	JUNCTION BOX	4" x 4" OR AS NOTED, SEE SPEC.	18"	(12) MOUNT AS NOTED
$\nabla$	MULTI-MEDIA J-BOX	4" x 4" OR AS NOTED, SEE SPEC.	18"	(11) (31)
	DISCONNECT SWITCH	SQUARE D — GENERAL DUTY	5' - 0"	(8) (13)
E'	FUSED DISCONNECT SWITCH	SQUARE D, GENERAL DUTY		(8) (13)
	PANEL BOARD	SEE PANEL SCHEDULE	6'-6" TO TOP	
	EQUIPMENT OTHER THAN MECHANICAL	SEE EQUIPMENT SCHEDULE		
<b>B</b>	MECHANICAL EQUIPMENT	SEE MECHANICAL SCHEDULE		
	WIRING IN CND IN CEILING OR WAI		WIRING IN CN	ID IN GROUND OR FLOOF
	CONDUIT TURNED UP	•	CONDUIT TUR	NED DOWN
	CIRCUIT HOME RUN TO PANEL. 3	CONDUCTORS INCLUDING THE EQUIP	MENT GROUND	CONDUCTOR.
	INDICATE NUMBER OF CONDUCTOR	IUMBER OF ARROW HEADS INDICATE IS. EX. TWO CIRCUITS, FOUR CONDU- EPERATE NEUTRAL PER CIRCUIT). BI R FRFF—AIR	CTORS, COMMOI	N NEUTRAL AND THREE
	NDUIT AS DRAWN ON THE PLANS. THE ONLY EXCEP TS SHALL INCLUDE AN EQUIPMENT GROUND CONDUC	TIONS ARE THOSE AUTHORIZED IN W TOR SIZED PER NEC.	RITING BY THE	ENGINEER.
FC – BELO T – CURR C – GENE ONTRACTO	ABBRI VE FINISHED FLOOR, AFG — ABOVE FINISHED GRADE, DW FINISHED CEILING, BFG — BELOW FINISHED GRADE ENT TRANSDUCER, DFA — DROP FROM ABOVE, (E) — RAL CONTRACTOR, GND — GROUND, MC — MECHANIC R INSTALLED, P.C. — PLUMBING CONTRACTOR, POC — CA — SHORT CIRCUIT AMPERES, TC — TEMP. CONTRO	E, CND. OR C. — CONDUIT, CLG — IN - EXISTING, EC — ELECTRICAL CONTR CAL CONTRACTOR, MCA — MINIMUM C — POINT OF CONNECTION, POS — PO	STALLED IN CEI ACTOR, EV — E IRCUIT AMPS, C INT OF SALES,	LING, ELECTRO VOICE, DFCI — OWNER FURNISHE RMC — RIGID METAL

SEE LIGHTING FIXTURE SCHEDULE FOR MOUNTING OF FIXTURE.

ACCEPTABLE EQUALS ARE P&S, LEVITON, COOPER, HUBBELL

ACCEPTABLE EQUALS ARE INTERMATIC, PARAGON, EZ-CONTROL

ACCEPTABLE EQUALS ARE HUBBELL, ORTRONICS, SIEMON

77. PROVIDE A FLOOR BOX HUBBELL S2431 WITH (1) SB3083.

29. PROVIDE RACEWAY WITH OUTLETS 12" ON CENTER. UNO.

19. MOUNT SWITCH AT DOOR JAM PER MANUFACTURERS INSTRUCTIONS.

22. IF EXHAUST FAN, SWITCH WITH LIGHTS UNLESS INDICATED OTHERWISE.

PROVIDE DIRECTIONAL ARROWS AS SHOWN.

14. SIZE TO THE EQUIPMENT BEING CONTROLLED

AND INSTALLATION.

25. PROVIDE ONE BR20W

BY THE MANUFACTURER.

26. PROVIDE HUBBELL: TWO JACKS HXJ60W

13. USE HEAVY DUTY FOR 480 VOLT.

PROVIDE UN-SWITCHED CONDUCTOR TO EMERGENCY BALLAST OR FIXTURE.

PROVIDE ONE B2432, ONE S3825, ONE S3826, ONE SB3084, AND ONE FCX244W

2. PROVIDE MUD RING AND/OR BOX COVER APPROPRIATE FOR DEVICE/FIXTURE SERVED.

18. MATCH THE VOLTAGE OF THE RELAY WITH THAT OF THE CONTROLLING CIRCUIT.

23. PROVIDE DEVICE UL LISTED TO BE USED WITH THE FIRE ALARM PANEL/SYSTEM. 124. PROVIDE HUBBELL: ONE OUTLET FRAME ISF20W, ONE COVERPLATE NP26W.

28. PROVIDE TIMER INTERVAL AS SHOWN ON DRAWINGS OR LISTED IN SPECIFICATIONS.

PROVIDE 3/4" CONDUIT FROM J-BOX TO ABOVE ACCESSIBLE CEILING UNO.

# CONTROL SYSTEM GROUP ALL COMPONENTS IN SAME GROUP CONNECT TOGETHER

20. FEED THE STYLE LINE RECEP. FROM THE GFCI OUTLET SO BOTH ARE GFCI PROTECTED.

ACCEPTABLE EQUALS ARE HUBBELL, WATT STOPPER, SENSOR SWITCH ACCEPTABLE EQUALS ARE GENERAL ELECTRIC, ALLEN-BRADLEY, SQUARE D

PROVIDE AND WIRE FROM ADJACENT J-BOX AS REQUIRED BY THE FIXTURE AND NUMBER OF CONDUITS.

USE A 4"X4"X1 1/8" FOR POWER, 4 11/16"X4 11/16"X2 1/8" FOR DATA/VOICE, WITH A MUD RING TO MATCH THE DEVICE

5. PROVIDE A FLOOR BOX HUBBELL S1PFB/SISP, TWO HBLSBK, ONE IM2K1BK, AND FIVE IMB1BK W/FLANGE TO MATCH

21. PROVIDE HANDY BOX (RACO 663 OR EQUAL) MOUNT DIRECTLY TO FURNACE FUSE 15 AMP OR AS INDICATED ON PLANS.

30. INSTALL UNIT ABOVE ACCESSIBLE CEILING AND CONNECT TO ALL ASSOCIATED DEVICES WITH NETWORK CABLE AS LISTED

. PROVIDE A FLOOR BOX HUBBELL S1PFB/SISP WITH ONE IM2K1BK, TWO IMB1BK AND ONE HBL2162BK.

CONDUIT/CONDUCTOR SCHEDULE | MARK | AMPS | CABLE | QTY | SIZE | INSUL. | REMA ALL CONDUIT SHALL CONTAIN A SEPARATE EQUIPMENT GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH THE NEC. ACCOUNT FOR \_\_PARALLEL RUNS. "A" INDICATES ALUMINUM CONDUCTORS "M" INDICATED MC CABLE "Y" INDICATES YELLOW ISOLATED GROUND CONDUCTOR IN ADDITION TO THE GROUND

CONDUCTOR IN NOTE ABOVE. # OF PARALLEL

COUNTING EQUIP GRND RUNS; BLANK=1 RUN SIZE OF CONDUCTORS S=SER, M=MC, BLANK=CONDUIT

Sł	neet List Table
NUMBER	TITLE
E0.0	ELECTRICAL SCHEDULES AND NOTES
E1.0	LIGHTING AND POWER PLANS
E2.0	ELECTRICAL PANELS AND RISER DIAGRAM
E3.0	ELECTRICAL DETAILS
E4.0	ELECTRICAL SPECIFICATIONS
E5.0	COMPLIANCE REPORT

GENERAL NOTES

- 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
- 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.
- NO ADDITIONS TO THE CONTRACTOR BID WILL BE ALLOWED FOR CHANGES MADE NECESSARY BY INTERFERENCE WITH OTHER WORK.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE EQUIPMENT, MATERIALS AND LABOR FOR THE CONNECTIONS OF ALL EQUIPMENT SHOWN ON THE PLANS -ARCHITECTURAL, MECHANICAL, ETC.
- 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.
- 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.
- 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.
- 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
- 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.
- THE ELECTRICAL CONTRACTOR SHALL SECURE ALL CONDUIT CABLE TO THE STRUCTURE AS IT IS SET IN PLACE USING INDUSTRY STANDARD METHODS AND
- 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.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE THE STRUCTURED CABLING SERVICE CONDUIT WITH A NYLON PULL CORD INSTALLED. EC SHALL CONFIRM ROUTING, SIZE, AND LOCATION OF THE STRUCTURED CABLING SERVICE CONDUIT, AND THE MAIN STRUCTURED CABLING BOARD WITH THE STRUCTURED CABLING COMPANY AND EACH STRUCTURED CABLING OUTLET WITH OWNER PRIOR TO ROUGH-IN.
- 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.
- 4. 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
- ALL SURFACE/LAYIN MOUNTED FIXTURES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE AND NOT THE CEILING GRID.
- 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 — SEE TERMINATION INSTRUCTIONS IN THE CONTRACT DOCUMENTS.
- 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
- THE ELECTRICAL CONTRACTOR SHALL MAINTAIN ELECTRICAL CONTINUITY TO REMAINING EQUIPMENT WHEN ANY EXISTING ELECTRICAL EQUIPMENT IS REMOVED.
- 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.
- . 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.

**ARCHITEC** 

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STANLEY LANCE HEAL, ARCHITECT.

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TENANT ALTERATION

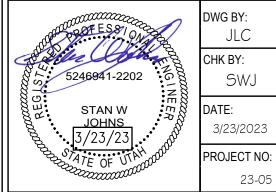


THE MIX RETAIL ||2300 N UNIVERSITY PKWY PROVO, UT 84604

CORY DEVENNEY

Sheet Title

ELECTRICAL



SWJ

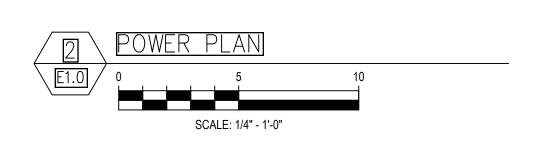
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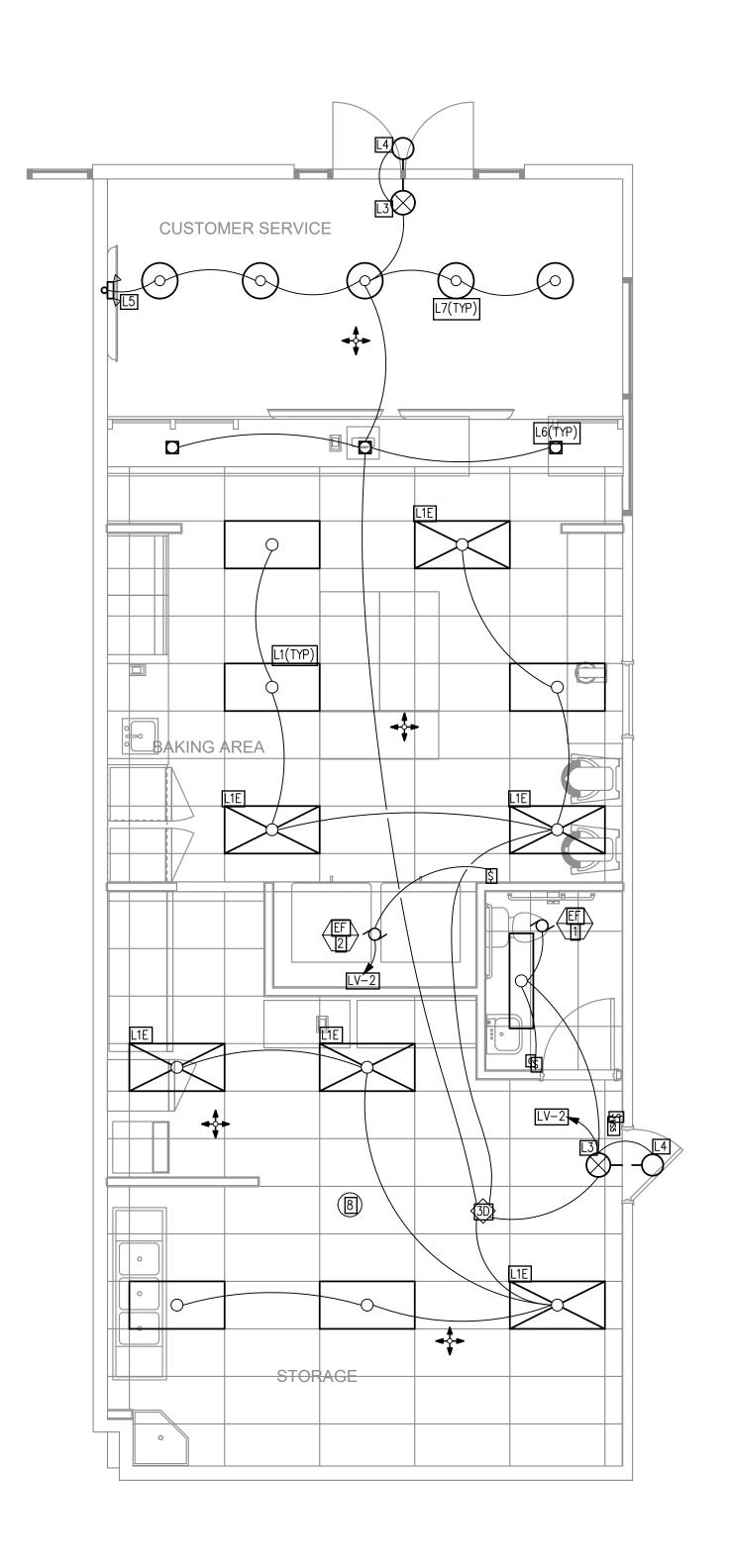
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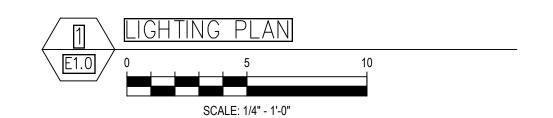
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PROVO Page 12 of 17

# **CUSTOMER SERVICE** BAKING AREA STORAGE







# (#) KEYED NOTES

- . PANEL LV. CONFIRM LOCATION. SEE SHEET E2.0.
- 2. TV RECEPTACLE. CONFIRM LOCATION PRIOR TO ROUGH-IN.
- 3. REGISTER OUTLET. CONFIRM LOCATION PRIOR TO ROUGH-IN.
- 4. CEILING MOUNTED TV RECEPTACLE. CONFIRM LOCATION PRIOR TO ROUGH-IN.
- 5. CENTER THE RECEPTACLE BEHIND EACH IPAD. CONFIRM LOCATION PRIOR TO ROUGH—IN.
- 6. PROVIDE JUNCTION BOX FOR EXTERIOR SIGN IF NOT EXISTING. CONFIRM LOCATION PRIOR TO ROUGH—IN. ROUTE THROUGH TIME SWITCH AT PANEL LV.
- PROVIDE JUNCTION BOX FOR INTERIOR SIGN ABOVE OVENS. CONFIRM LOCATION PRIOR TO ROUGH—IN. ROUTE THROUGH TIME SWITCH AT PANEL LV.
- 8. REUSE ALL EXISTING RECEPTACLES, CIRCUITS, LIGHTS AND EQUIPMENT THAT SATISFY THE DESIGN OF THESE DRAWINGS.



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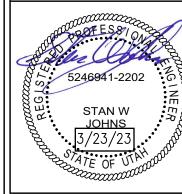
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Description	Date
CT ISSUE DATE	2/22/2023

Sheet Title

LIGHTING AND POWER PLANS



DWG NO.

E1.0

# PROVO Page 14 of 17

	LV	_							MOUNTING		FEED		MAINS	3	D	IMS.			SPECIA	AL EQUIPMENT	
ANE	L		VOLTA	AGE		208	/ 120					225	_AMP		20'	•	W		X	GROUND BUS	
_	NQ	•																		SUB-FEED BRKR	
TYPE SEE DRAWINGS/FIELD CONFIRM			PHASE	E	3_\	WIRES	4		FLUSH	X	ТОР	X	LUGS	LUGS		5.75" D			NEMA 3R		
																		SURGE PROTECTOR			
.OCA	TION		AIC	22,	000	AMPS		X	SURFACE		воттом		BREA	KER	50'	'	Н			_	
CIR	CIRCUIT			TLETS		BRKR	WIRE	CIRCUIT	CON	BINED PH	ASES	CIRCUIT	WIRE	BRKR			ETS			CIRCUIT	CIR
10.	DESCRIPTION	CODE	LTS	CO	S	P AMP	SIZE	LOAD	Α	В	С	LOAD	SIZE	AMP	PI	MIS	CO	LTS	CODE	DESCRIPTION	NO
1	K-1				1	1 15	12	528	1673			1145	12	20	1	2		31		LIGHTING, EF-1, EF-2	2
3	K-4				1	1 15	12	672		2197		1525		20	1	1			1,5	K-9	4
5	K-11				1	1 20	12	1500		_	3025	1525		-	1						6
7	K-2				1	1 20	12	1296	2821		_	1525		20	1	1			1,5	K-9	8
9	K-5				1 '	1 20	12	1150		2675		1525		-	1						10
11	K-12				1 '	1 20	12	692			1692	1000	12	15	1	2				K-10 CONTROL	12
	CUSTOMER SERVICE		12	4		1 20	12	720	6720			6000		-	1						14
15	CUSTOMER SERVICE			3		1 20	12	540		6540		6000		50	1	1			1	K-10	16
17										_	6000	6000		-	1						18
19	SPARE				,	3 30			6000			6000		-	1	1					20
21										6000		6000		50	1	1			1	K-10	22
23								4936		_	10936	6000		-	1						24
25	RT-1	1			1 (	3 60		4936	5636			700	12	20	1	1				Back Sign	26
27								4936		5936		1000	12	20	1	1				K-17	28
29	Front Sign				1 '	1 20	12	1200		_	1464	264	12	15	1	2				RP-1	30
31	SPARE					1 20		0	180			180	12	20	1		1			ROOF	32
33	SPARE					1 20		0		540	1	540	12	20	1		3			STORAGE	34
35	SPARE				•	1 20		0		-	0	0		20	1					SPARE	36
37	SPARE					1 20		0	0		_	0		20	1					SPARE	38
39	SPARE					1 20		0		0		0		20	1					SPARE	40
41	SPARE					1 20		0			0	0		20	1					SPARE	42
		<u> </u>						VA	II .	23888	23117		3 KVA		1111						
								DIV		17633	17566	AV. AMI								CONDUCTOR SIZE	
								AMPS	151	147	146	148	<u>B</u> A	2 = SH	IUNT-	TRIP	BRE	AKER		5 = GFCI BREAKER	
									<u> </u>		<u> </u>			3 = SU	BFEE	D BI	REAK	ER		6 = GFEP BREAKER	
														4 = PR	OVID	E LO	CK O	FF DE	VICE		
												THIS DAN	FI ΔΙΙ	OFIT	SIL	35 6	REA	KERS	FTC SI	HALL BE RATED FOR 75 D	DEC C

# SERVICE LOAD CALCULATIONS

<u>DESCRIPTION</u>	<u>LOAD</u>	<u>DEMAND</u>	<u>NEW LOAD</u> <u>AMPS</u>	
CONTINUOUS	3045	1.25	3806	
NON-CONTINUOUS	14808	1	14808	
KITCHEN	49938	0.65	32460	
RECEPTACLES	1980	1	1980	
MOTORS	264	1	264	
TOTAL SERVICE LOAD (208	VOLTS)		53318 : 148.0	

# (#) KEYED NOTES

1. EXISTING SERVICE DISCONNECT. FIELD CONFIRM EXISTING CONDITIONS PRIOR TO BID AND PROVIDE A 200A BREAKER OR RK1 TYPE FUSES AS REQUIRED. SEE SHEET E1.0 FOR LOCATION.

2. PANEL LV. PROVIDE A NEW PANEL WITH BREAKERS AS SHOWN IN PANEL SCHEDULE, THIS SHEET. FIELD CONFIRM EXISTING CONDITIONS PRIOR TO BID.



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Client

CORY DEVENNEY

No. Description

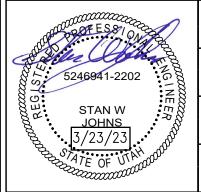
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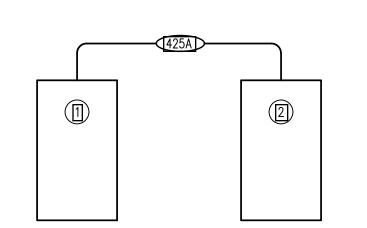
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ELECTRICAL PANELS AND RISER DIAGRAM

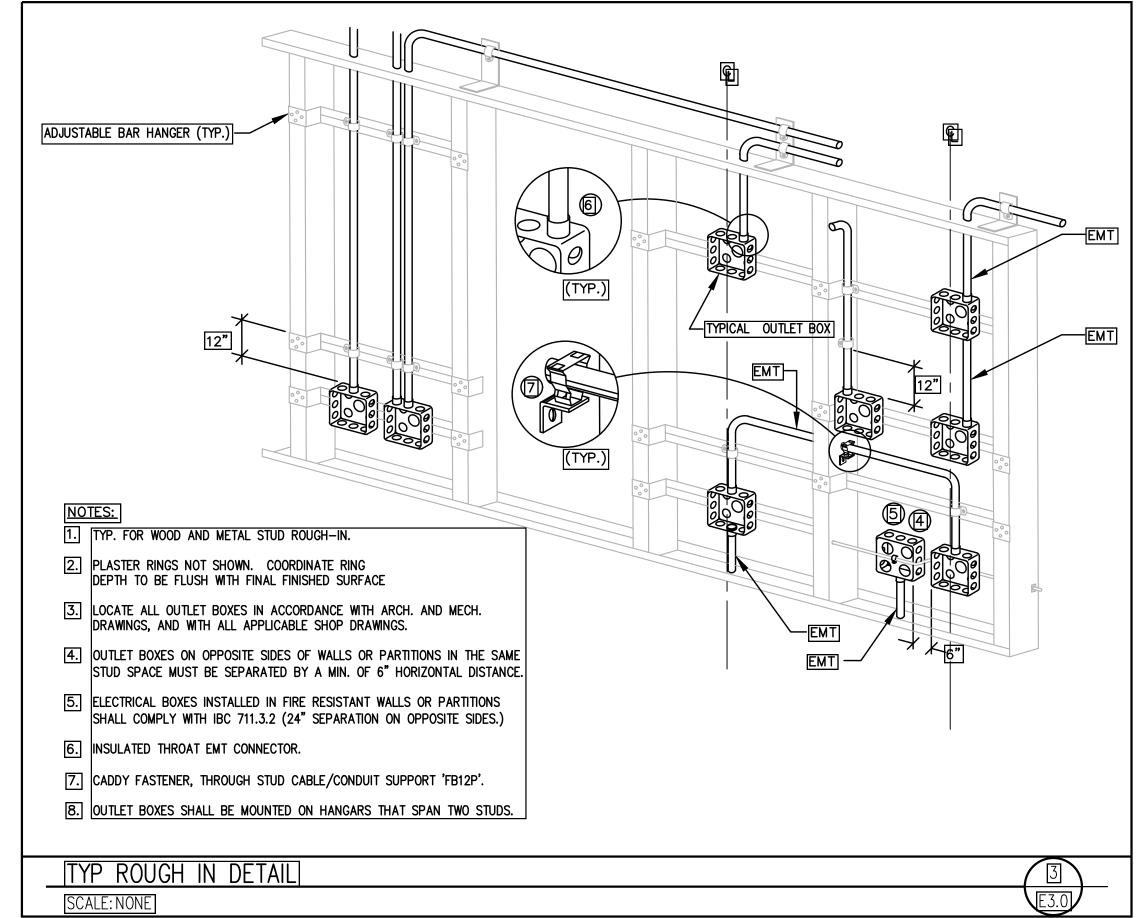


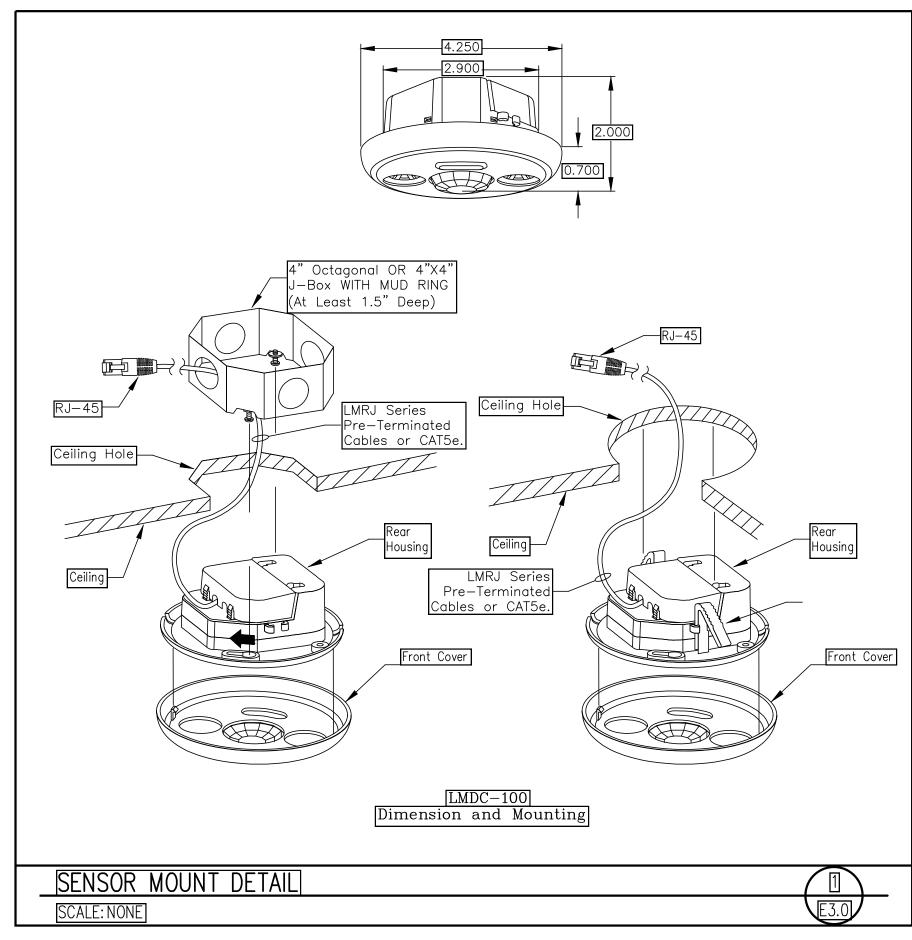
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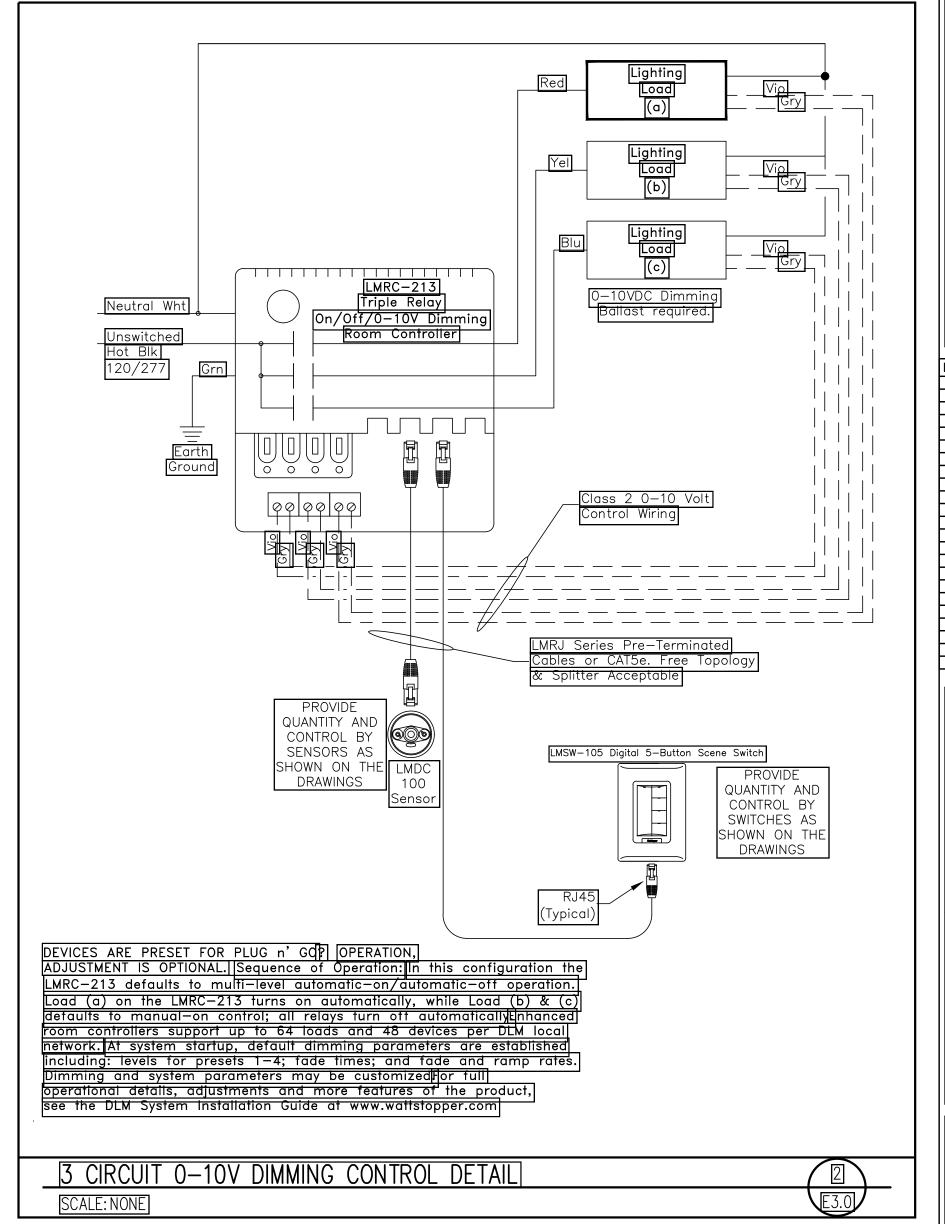
E2.0



RISER DIAGRAM









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CORY DEVENNEY

Client

Date Sheet Title ELECTRICAL

DWG BY: CHK BY: 5246941-2202 STAN W JOHNS 3/23/23

SWJ

3/23/2023

PROJECT NO: 23-05

DETAILS

DWG NO.

.] FUSES 1.] FUSES SHALL BE CLASS "RK-1" REJECTION TYPE OR TYPE KLLU OR AS N	IOTED ON THE	BOXES FOR STRUCTURED CABLING (DATA & PHONE) IN INTERIOR DRY LOCATIONS SHALL BE GALVANIZED ONE—PIECE PRESSED STEEL, KNOCKOUT TYPE 4 11/16" x 2 1/8"; APPLETON,
DRAWINGS. FUSES SERVING MOTOR LOADS SHALL BE DUAL ELEMENT WITH DELAY OF 10 SECONDS AT 500% RATING. FUSES SHALL BE CURRENT LIMI	A MINIMUM TIME	RAYCO OR EQUAL.  5. ALL BOXES IN FINISHED SPACES SHALL BE PROVIDED WITH MUD RINGS AS REQUIRED FOR THE
TYPE WITH INTERRUPTING CAPACITY OF 200,000 AMP RMS SYMMETRICAL.		DEVICE AND WALL MATERIAL.
2. FUSES SERVING SWITCH OR CIRCUIT BREAKER DISTRIBUTION PANELS, LIGH AND OTHER NON-MOTOR LOADS NEED NOT BE TIME DELAY TYPE, BUT SHIMITING WITH THE INTERRUPTING CAPACITY OF 200,000AMP RMS SYMMET	ALL BE CURRENT	OUTDOOR AND WET OR DAMP LOCATIONS: PROVIDE CAST METAL OR PVC OUTLET, JUNCTION, AND PULL BOXES.
FUSES SHALL BE BUSSMAN, GOULD OR LITTELFUSE.		7. ALL DEVICE BOXES SHALL BE SUPPORTED FROM A MINIMUM OF TWO SEPARATE STUDS OR FRAMING MEMBERS.
3. PROVIDE FUSES SIZED TO THE MAXIMUM SIZE RECOMMENDED BY THE MAN EQUIPMENT OR AS SHOWN ON THE DRAWINGS IF THE MANUFACTURER DOE RECOMMENDED SIZE.	S NOT HAVE A     E L	CONDUCTORS  1.] SOFT DRAWN, ANNEALED COPPER IN RACEWAY OR CABLE SIZED AS SHOWN ON THE PLANS.
ART 3 — EXECUTION  [GENERAL]		MINIMUM #12 AWG UNLESS NOTED OTHERWISE. #8 AWG AND LARGER SHALL BE STRANDED.  2. ALUMINUM CONDUCTORS IN RACEWAY OR CABLE MAY BE USED FOR CONDUCTORS SIZED #8 OR
1. ALL MATERIALS SHALL BE INSTALLED IN A PROFESSIONAL MANNER INDICA	TIVE OF THE TRADE.	LARGER WHERE THE CONNECTORS USED ARE LISTED FOR USE WITH THE ALUMINUM CONDUCTORS.
2. ALL PENETRATIONS OF THE WALLS, FLOORS AND ROOF SHALL BE SEALED BOOTS, SEALANT OR CAULK FOR THE PARTICULAR SURFACE INVOLVED AN MAINTAIN A FIRE PROOF SEAL.		3. CONDUCTORS SHALL XHHW-2, THHN OR THWN-2 COLOR CODED IN ACCORDANCE WITH PART 3, SECTION C. 1. OF THESE SPECIFICATIONS OR AS INDICATED ON THE DRAWINGS.
.] RACEWAYS		4. CONDUCTORS SHALL BE USED AS LISTED BY THE NEC.
1. RACEWAYS SHALL BE INSTALLED CONCEALED UNLESS OTHERWISE INDICATE RACEWAY RUNS SHALL BE PARALLEL WITH SUPPORTING WALLS, BEAMS, A WITH EACH OTHER AND SHALL NOT BE INSTALLED CLOSER THAN 6 IN	ND CEILINGS AND	WIRING CONNECTIONS]  1. MAKE ALL ELECTRICAL CONNECTIONS.
PIPE OR HEATER FLUME.		2. MAKE CONNECTION TO DEVICES USING "PIG-TAILS". DO NOT USE A DEVICE AS A CONNECTION OR A SPLICE UNIT.
[2.] RACEWAY ENDS SHALL BE REAMED AFTER THREADING AND AFTER CUTTING BUTT IN THE CENTER OF THE COUPLING. THE USE OF RUNNING THREADS	IS PROHIBITED.	DO NOT PLACE STRANDED CONDUCTORS DIRECTLY UNDER SCREWS. INSTALL CRIMP—ON, INSULATED, FORK TERMINALS FOR CONDUCTOR TERMINATIONS, OR INSTALL SOLID CONDUCTORS.
3. RACEWAYS SHALL BE INSTALLED AS A COMPLETE SYSTEM, CONTINUOUS FOUTLET, CABINET, BOX OR FITTINGS, AND SHALL BE MECHANICALLY CONNI	ECTED SO THAT	NAMEPLATES] 1. PROVIDE EACH PANEL BOARD AND DISCONNECT SWITCH WITH A MICARTA PLASTIC NAMEPLATE
ADEQUATE ELECTRICAL CONTINUITY FROM ONE TO ANOTHER IS OBTAINED.  SUPPORTED WITH ONE OR TWO HOLE STAMPED STEEL OR MALLEABLE IRON	STRAPS (SUCH AS	MADE OF WHITE-FACED BLACKCORE PLASTIC LAMINATE WITH 1/4" HIGH LETTERING. NAMEPLATE SHALL INCLUDE DESIGNATION, DRAWING, PHASE, VOLTAGE, AND PANEL IT IS FED
MANUFACTURED BY RACO) DESIGNED FOR SUPPORTING CONDUIT. THE SIZE MATCH THE SIZE OF THE CONDUIT. NAILS, PERFORATED STRAP, OR PLUN NOT BE USED FOR SUPPORT OF RACEWAY.		FROM. FASTEN WITH SCREWS OR RIVETS. NO OTHER ATTACHMENT METHOD IS ALLOWED. SEE DETAIL ON DRAWINGS.
4. PROVIDE 1/8" POLY PULL CORD IN RACEWAYS WITHOUT CONDUCTORS.		COMMUNICATIONS AND STRUCTURED CABLING  1. PROVIDE COMPLETE SYSTEM AS INDICATED ON THE DRAWINGS.
<ul><li>5. FOUR 90 DEGREE BENDS MAXIMUM BETWEEN TERMINATIONS OR BOXES.</li><li>6. COMMUNICATIONS OUTLETS: PROVIDE A 3/4" CONDUIT FROM EACH OUTLE</li></ul>	T STURRED UP AROVE	PROVIDE A COMMUNICATIONS PANEL OR BACKBOARD FOR THE COMMUNICATIONS FOR THE SPACE.
THE CEILING AND BENT TOWARD THE HALLWAY, CABLE TRAY OR IT ROOM INSULATED THROAT CONNECTOR ON BOTH ENDS OF THE CONDUIT.		PROVIDE A CAT6 CABLE IN EXISTING CONDUIT FROM THE BUILDING COMMUNICATIONS DEMARC PANEL/BACKBOARD TO THE COMMUNICATIONS BACKBOARD.
7. FIRE ALARM CONDUITS INSTALLED ABOVE DROP CEILING AND OTHER CONC SHALL BE PROVIDED WITH 2-INCH RED BANDS EVERY 10 FEET.	EALED SPACES 4	PROVIDE A 3/4" CONDUIT WITH ONE CAT6 CABLE FROM THE DEMARC TO EACH COMMUNICATIONS OUTLET UNLESS NOTED OTHERWISE.
. CONDUCTORS  [1.] ALL CONDUCTORS SHALL BE INSTALLED IN CONDUIT AND COLOR CODED A	0 5011 0110	5.] PROVIDE COMMUNICATIONS OUTLETS WHERE SHOWN ON THE DRAWINGS.]
		6. MAKE CONNECTIONS ON BOTH ENDS OF EACH CABLE ACCORDING TO 568B STANDARDS.  WIRING DEVICES
PHASE ABLACKBLACKBROPHASE BREDREDORA	· · · · · · · · · · · · · · · · · · ·	1. PLATES — COLOR OF PLATE SHALL BE WHITE. 2. TELEPHONE AND DATA OUTLETS SHALL BE PROVIDED WITH CONNECTORS AS INDICATED ON THE
	LOW	DRAWINGS.  3. SWITCHES - SHALL BE AS SHOWN ON THE PLANS OR EQUAL OF P&S, LEVITON OR COOPER
GROUND GREEN GREEN GREEN		20 AMP, SILENT TYPE. COLOR SHALL BE WHITE.  4. RECEPTACLES — SHALL BE AS SHOWN ON PLANS OR EQUAL OF P&S, LEVITON OR COOPER
2. MAKE JOINTS, SPLICES, TAPS AND CONNECTIONS IN CONDUCTORS WITH S CONNECTORS.		20AMP. COLOR SHALL BE WHITE.  5. SPECIAL PURPOSE OUTLETS SHALL BE AS INDICATED ON THE DRAWINGS.
3. ALL CIRCUITS THAT REQUIRE A NEUTRAL SHALL BE PROVIDED WITH A DE NOT SHARE NEUTRALS.	DICATED NEUTRAL. DO	PANEL BOARDS  I. DEAD FRONT TYPE, EQUIPPED WITH BOLT — ON CIRCUIT BREAKERS AND PROVISIONS FOR
4. WIRING FOR FIRE ALARM SHALL BE TWISTED AND/OR SHIELDED SIZE AS MANUFACTURER OF THE EQUIPMENT AND TO ENSURE PROPER VOLTAGE A	RECOMMENDED BY THE	FUTURE BREAKERS, AS INDICATED. SQARE D OR CUTLER HAMMER. THE NUMBER OF POLES, TYPE, VOLTAGE, AND AMP RATING SHALL BE AS INDICATED ON THE PLANS. BUS BARS SHALL
VOLTAGE DROP OF MORE THAN 3%).  [5.] CONDUCTORS SHALL BE INSTALLED SO THAT THEY MAINTAIN THEIR CURR	ENT RATING AND ARE	BE COPPER OR ALUMINUM. PROVIDE FULL SIZE GROUND BUS. NEUTRAL WIRES SHALL BE CONNECTED TO A COMMON NEUTRAL BUS WITH BINDING SCREWS OR LUGS, THE NEUTRAL BUS
NOT DE-RATED FOR BUNDLING (CONDUCTORS AND CABLES), CONDUIT FIL TEMPERATURE OR ANY OTHER REASON.	L, AMBIENT	SHALL BE INSULATED FROM THE CABINET.  2. FURNISH COMPLETE WITH DOOR, KEYED LOCK AND TYPE WRITTEN, LAMINATED DIRECTORY.  CABINETS SHALL BE RIGIDLY SUPPORTED INDEPENDENT OF CONDUITS.
JUNCTION AND PULL BOXES  1. PULL BOXES SHALL BE PROVIDED WHERE INDICATED AND WHERE NECESSA	ARY TO FACILITATE	3. PROVIDE FULLY RATED PANEL BOARDS WITH A MINIMUM AIC RATING AS INDICATED ON THE DRAWINGS.
THE PULLING OF CONDUCTORS.  [GROUNDING]		PROVIDE NEW BREAKERS IN EXISTING PANELBOARDS/SWITCHGEAR AS INDICATED ON THE PANEL SCHEDULES. THE BREAKERS SHALL HAVE AN AIC RAITING AS SHOWN ON THE PANEL
[1.] INSTALL A CODE SIZED GROUNDING CONDUCTOR IN ALL RACEWAYS AND CONTACT AT ALL PANEL BOXES, AND JUNCTION OR PULL BOXES TO THE RACEWAY SYSTEM. USE A	DARDS, OUTLET	SCHEDULE.  5. INSTALL PANELS WITH TOP CIRCUIT BREAKER AT 48" AFF IN UNITS DESIGNATED AS
MATERIALS.  [2.] PROVIDE A CODE SIZED UFER GROUND AT THE MAIN SERVICE ON ALL NE		ACCESSIBLE AND AS REQUIRED BY CODE.  NTERIOR AND EXTERIOR LUMINAIRES
BONDING		PROVIDE LIGHTING SYSTEM COMPLETE WITH LAMPS AND ACCESSORIES, AS INDICATED IN THE CONTRACT DOCUMENTS.
1.] BOND ALL PIPING (GAS WATER, ETC) AS REQUIRED BY THE NEC. CONFIRUSED WITH MC.  [LUMINAIRE INSTALLATION]	M SYSTEMS TO BE 2	2. LUMINAIRES  G) PROVIDE COMPLETE LUMINAIRE ASSEMBLIES OF TYPE INDICATED ON THE DRAWINGS WITH
1. ALL FIXTURES RECESSED AND SURFACE SHALL BE SUPPORTED FROM THE NOT FROM THE CEILING FRAMING OR GRID CEILING.	STRUCTURE AND	FEATURES, OPTIONS AND ACCESSORIES AS SCHEDULED AND AS NEEDED FOR A COMPLETE ASSEMBLY AND INSTALLATION.
2. INSTALL RECESSED LUMINAIRES TO PERMIT REMOVAL FROM BELOW.  3. LOCATE LUMINAIRES AS INDICATED ON THE DRAWINGS.		[LIGHTING CONTROLS]  [a) PROVIDE LIGHTING CONTROLS AS INDICATED ON THE DRAWINGS WITH EQUALS OF
4. INSTALL ACCESSORIES FURNISHED WITH AND REQUIRED FOR EACH LUMINA  5. INSTALL GRID CEILING CLIPS ON RECESSED LUMINAIRES.	IRE.	WATTSTOPPER AND NLIGHT.  [b)] ALL SENSORS SHALL BE PROGRAMMED AS OCCUPANCY SENSORS WITH A 10 MINUTE DELAY.
SEISMIC REQUIREMENTS		BEFORE OFF UNO.   COLORATE CEILING OCCUPANCY SENSORS IN A LOCATION THAT SEES THE ROOM BUT DOES
1. RECESSED TYPE LIGHTING FIXTURES, IN ADDITION TO THE STANDARD SEIS SUPPORT ON T-BAR GRID SYSTEM, SHALL HAVE 2#12 STEEL SAFETY WIR ONE END OF EACH SAFETY WIRE SHALL BE SECURELY FASTENED TO THE	ES PER FIXTURE.	NOT SEE PEOPLE WALKING PAST THE OPEN DOOR.  SECTION NOT USED
THE OTHER END (6 INCHES LONGER THAN THE T-BAR GRID SUPPORT WIF FASTENED TO DIAGONAL CORNERS OF EACH LIGHTING FIXTURE.	RES) SHALL BE     M.   S	SAFETY SWITCHES  THE ELEECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL SAFETY SWITCHES AS INDICATED
CUTTING AND PATCHING  1. PERFORM DRILLING, CUTTING, AND PATCHING OF THE GENERAL CONSTRUCTION  OF THE GE	TION WORK WHETHER	ON THE DRAWINGS OR AS REQUIRED. ALL SAFETY SWITCHES SHALL BE UL LISTED. THE SWITCHES SHALL BE FUSED SAFETY SWITCHES OR NON-FUSED SAFETY SWITCHES AS SHOWN
EXISTING OR NEW, AS REQUIRED FOR THE INSTALLATION OF ELECTRICAL WITHE SAME MATERIALS, WORKMANSHIP, AND FINISH AS THE ORIGINAL WORLD	VORK. PATCH WITH  K AND ACCURATELY	ON THE DRAWINGS OR REQUIRED BY CODE AND SHALL BE MANUFACTURED BY SQUARE D, GENERAL ELECTRIC, SIEMENS OR CUTLER HAMMER.
MATCH ALL SURROUNDING WORK. SUCH WORK WILL BE DONE BY A CRAFIN THE APPLICABLE TRADE UNDER THE CONTRACTOR'S SUPERVISION AND	TOWN TO THE L	2. SWITCHES SHALL HAVE A QUICK—MAKE AND QUICK—BREAK OPERATING HANDLE AND MECHANISM WHICH SHALL BE AN INTEGRAL PART OF THE BOX. PADLOCKING PROVISIONS SHALL BE DROWDED FOR DADLOCKING IN THE OFE POSITION, WITH AT LEAST THREE DADLOCKS.
THE OWNER'S REPRESENTATIVE. COORDINATE WITH OTHER TRADES AND (PRIOR TO CUTTING, DRILLING, OR CORING.	SENERAL CONTRACTOR	SHALL BE PROVIDED FOR PADLOCKING IN THE OFF POSITION WITH AT LEAST THREE PADLOCKS. SWITCHES SHLL BE HORSEPOWER RATED FOR 250 VOLTS AC OR DC OR 600 VOLTS AC AS REQUIRED. LUGS SHALL BE UL LISTED FOR COPPER AND ALUMINUM CABLE AND SHALL HAVE A
WRING DEVICES   1.   MOUNTING HEIGHTS TO THE CENTER OF THE DEVICE AND ORIENTATION SH		TEMPERATURE RATING OF AT LEAST 75 DEGREES C.  3. SWITCHES SHALL BE FURNISHED IN NEMA 1 GENERAL PURPOSE ENCLOSURES WITH KNOCKOUTS
LIGHT SWITCHES       ————————————————————————————————————	AFF]	UNLESS OTHERWISE NOTED OR REQUIRED. SWITCHES LOCATED ON THE EXTERIOR OF THE BUILDING OR IN "WET" LOCATIONS SHALL HAVE NEMA 3R ENCLOSURES (WP).
ABOVE COUNTER	<u>AFF</u> 4	THE SAFETY SWITCHES SHALL BE SECURELY MOUNTED IN ACCORDANCE WITH THE NEC. THE CONTRACTOR SHALL PROVIDE ALL MOUNTING MATERIALS AND INSTALL FUSES IN THE FUSED
CONVENIENCE OUTLETS (TYPICAL) — — — — — — — — — — — — — — — — 18"  ALL PANELS ARE TO BE MOUNTED/		SAFETY SWITCHES. THE FUSES SHALL BE DUAL ELEMENT ON MOTOR CIRCUITS.  5. PROVIDE FUSES AS SPECIFIED BELOW. FUSES SHALL BE INSTALLED SO THAT THE RATING IS
INSTALLED AT AN ACCESSIBLE HEIGHT FOR BOTH TYPE A AND TYPE B UNITS		CLEARLY VISIBLE WITHOUT REMOVING FUSE. PROVIDE A SPARE FUSE FOR EACH FUSE INSTALLED.
ALL MOUNTING HEIGHTS ARE TYPICAL UNLESS NOTED OTHERWISE ON THE SWITCHES AND THERMOSTATS TO BE MOUNTED AS CLOSE TO DOOR JAME	AS POSSIBLE.	6. PROVIDE A NAMEPLATE ON EACH DISCONNECT SWITCH AS SPECIFIED IN "NAMEPLATES".
COORDINATE ALL DEVICES WITH ARCHITECTURAL PLANS AND DETAILS. RECORIENTED WITH THE GROUND TERMINAL UP WHEN INSTALLED VERTICAL AND ARCHITECTURAL PLANS AND DETAILS.	CEPTACLES SHALL BE	
TERMINAL(S) UP WHEN INSTALLED HORIZONTAL.		
1. DEMONSTRATE THAT ALL COMPONENTS OF THE WORK OF THIS DIVISION H AND THAT THEY OPERATE IN ACCORDANCE WITH THE CONTRACT DOCUME	NTS.	
[2.] TEST WIRING AND CONNECTORS FOR CONTINUITY, SHORT CIRCUITS AND IN	IPROPER 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

[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

CONNECTED FOR PROPER OPERATION.

WHO CONDUCTED AND WITNESSED EACH TEST.

ELECTRICAL SPECIFICATIONS

# PART 1 – GENERAL DESCRIPTION

1. 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.

RULES AND REGULATIONS ALL WORK AND MATERIALS SHALL BE INSTALLED AS SHOWN AND HEREIN SPECIFIED. 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): (NATIONAL FIRE PROTECTION ASSOCIATION), PUBLICATION NUMBER 70, "NATIONAL,

ELECTRICAL CODE": PUB. NO. 72E. "AUTOMATIC FIRE DETECTORS". UL (UNDERWRITERS LABORATORIES, INC.).

NEMA (NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION).

<u>JBC (UNIFORM BUILDING CODE) AND </u>STANDARD BUILDING CODE

IBC (INTERNATIONAL BUILDING CODE)

IFC (INTERNATIONAL FIRE CODE)

IECC (INTERNATIONAL ENERGY CONSERVATION CODE)

IEC (INTERNATIONAL ELECTRICAL CODE) 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.

PERMITS AND INSPECTIONS UNLESS OTHERWISE SPECIFIED, THE CONTRACTOR SHALL APPLY, PAY FOR AND SCHEDULE ALL APPLICABLE PERMITS, FEES AND INSPECTIONS REQUIRED BY ANY AND LL PUBLIC AUTHORITIES HAVING JURISDICTION AND REQUIRING INSPECTION AND THE OWNER.

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 SERVICES OF AN EXPERIENCED SUPERINTENDENT, WHO WILL BE IN CHARGE OF THE EXECUTION

OF WORK, UNTIL COMPLETED AND ACCEPTED. [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 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 REQUIREMENTS HEREIN SPECIFIED.

[4.] ALL MANUFACTURED MATERIALS SHALL BE CLEARLY MARKED OR STAMPED WITH THE MANUFACTURER'S NAME AND RATING

[5.] REFERENCE TO STANDARDS ARE INTENDED TO BE THE LATEST REVISION OF THE STANDARD

SPECIFIED, OR THAT ACCEPTED BY THE AUTHORITY HAVING JURISDICTION | MANUFACTURER'S RECOMMENDATIONS

EQUIPMENT INSTALLED UNDER THIS DIVISION OF THE SPECIFICATIONS SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S TELEPHONE AND DATA OUTLETS SHALL BE PROVIDED WITH CONNECTORS AS INDICATED ON THE RECOMMENDATIONS, UNLESS OTHERWISE SHOWN ON THE DRAWINGS OF

HEREIN SPECIFIED. 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 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 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.

FURNISH: TO SUPPLY AND DELIVER, UNLOAD, INSPECT FOR DAMAGE.

INSTALL: TO UNPACK, ASSEMBLE, ERECT, APPLY, PLACE, FINISH, CURE, PROTECT, CLEAN, AND MAKE READY FOR USE. PROVIDE: TO FURNISH AND INSTALL.

SUBMITTALS 1. PROVIDE SHOP DRAWINGS AND MANUFACTURER'S LITERATURE OF MATERIALS AND EQUIPMENT REQUIRED IN THE GENERAL CONDITIONS, AS DIRECTED BY THE OWNER'S REPRESENTATIVE AND AS LISTED BELOW:

2. CATALOG CUTS

a) CONDUIT AND FITTINGS RIGID METAL

| INTERMEDIATE METAL ELECTRICAL METALLIC TUBING FLEXIBLE METALLIC

LIQUID TIGHT FLEXIBLE METALLIC FITTINGS (EACH TYPE)

SWITCHES

OCCUPANCY SENSOR

RECEPTACLE OUTLETS GENERAL PURPO

GROUND FAULT CIRCUIT INTERRUPTION e) TRIM AND COVER PLATES (EACH TYPE AND STYLE)

PANEL BOARDS SAFETY SWITCHES LIGHTING FIXTURES NAMEPLATES

I. SHOP DRAWINGS PANEL BOARDS
LIGHTING FIXTURES

THE ABOVE IS A STANDARD SUBMITTAL REQUIREMENT LIST. ELECTRICAL CONTRACTOR SHALL SUBMIT LL 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 CONTRACTORS COST IF DIRECTED BY THE ARCHITECT, ENGINEER OR THE OWNER'S REPRESENTATIVE.

PART 2 - MATERIALS

MATERIALS AND EQUIPMENT SHALL BE STANDARD CATALOGED PRODUCTS OF MANUFACTURERS REGULARLY ENGAGED IN THE MANUFACTURE OF THE PRODUCT. UL LISTED, AND SHALL BE THE LATEST STANDARD DESIGN THAT CONFORMS TO SPECIFIED MATERIALS AND EQUIPMENT.

. RACEWAY AND CABLE ELECTRICAL METALLIC TUBING (EMT) OR MC CABLE SHALL BE USED IN INTERIOR DRY OCATIONS. 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. <u>LIQUID TIGHT CONDUIT SHALL BE USED IN EXTERIOR AND WET/DAMP LOCATIONS.</u> 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. 4. 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. SER TYPE CABLE AS ALLOWED BY THE NEC

1. ALL FITTINGS SHALL BE STEEL/MALLEABLE IRON WITH INSULATING BUSHINGS. D. OUTLET AND JUNCTION BOXES

KNOCKOUT TYPE, NOT LESS THAN 4 INCHES SQUARE AND 2 1/8" DEEP; APPLETON, RACO, OR EQUAL AND AS SHOWN ON THE DRAWINGS. 2. BOXES SHALL BE EQUIPPED WITH PLASTER RINGS, EXTENSION RINGS, AND FIXTURE STUDS AS

BOXES IN INTERIOR DRY LOCATIONS SHALL BE GALVANIZED ONE-PIECE PRESSED STEEL.

REQUIRED. [3.] PROVIDE FLUSH MOUNTING OUTLET BOX IN FINISHED AREAS.]



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Proffesional Certification. I certify that these locuments were prepared or approved by me, and that I am a duly licensed architect under the laws of the PLEASE BE ADVISED: THESE DRAWINGS ARE NOT VALID FOR ONSTRUCTION UNLESS THEY HAVE BEEN SIGNED AND SEALED

> UT LIC # 8044421-0301 LIC EXP DATE: 5/31/2024

STANLEY LANCE HEAL, ARCHITECT.

Project Information

TENANT ALTERATION



THE MIX RETAIL

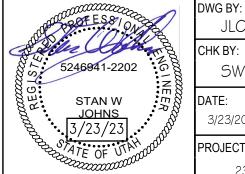
||2300 N UNIVERSITY PKWY PROVO, UT 84604

CORY DEVENNEY

Description

Sheet Title

ELECTRICAL SPECIFICATIONS



SWJ 3/23/2023 PROJECT NO: 23-05

DWG BY:

DWG NO.

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5. 2 [FI17] <sup>3</sup>	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] <sup>1</sup>	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 Lighting fixture schedule for values.
C408.1.1 [FI57] <sup>1</sup>	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	□Complies □Does Not □Not Observable □Not Applicable	
C408.2.5. 1 [FI16] <sup>3</sup>	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	□Complies □Does Not □Not Observable □Not Applicable	
C408.3 [FI33] <sup>1</sup>	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) 3 Low Impact (Tier 3)

Report date: 03/17/23

Page 5 of 6

Project Title: Provo Crave Cookie

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Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.2. 2 [EL22] <sup>1</sup>	Spaces required to have light-reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	□Complies □Does Not □Not Observable □Not Applicable	
C405.2.1, C405.2.1. 1 [EL18] <sup>1</sup>	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices open plan office areas, restrooms, storage rooms, locker rooms, 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.		
C405.2.1. 2 [EL19] <sup>1</sup>	Occupancy sensors control function in warehouses: In warehouses, the lighting in aisleways and open areas it controlled with occupant sensors that automatically reduce lighting power 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.	□Does Not	
C405.2.1. 3 [EL20] <sup>1</sup>	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 cabe controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) automatically tur off general lighting in all control zone 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 or control zone general lighting only when occupancy for the same area is detected.	n S	
C405.2.2, C405.2.2. 1, C405.2.2. 2 [EL21] <sup>2</sup>			
		;	
	1 High Impact (Tier 1)	2 Medium Impact (Tier 2)	3 Low Impact (Tier 3)

Project Information					
Energy Code: Project Title: Project Type:	2018 IECC Provo Crave Cookie Alteration				
Construction Site: 2300 N University Pkwy Provo, UT 84604	Owner/Agent: Heal Design Group 2350 N 930 E Provo, UT 84604	Designer/C Stan Johr Maxx LLC 90 W 500 Bountiful	ns C		
Allowed Interior Lighting P	ower				
	A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2		D wed W B X C)
1-Dining: Cafeteria/Fast Food		1254	0.79 tal Allowed Wa		991
Dining: Cafeteria/Fast Food (12	A ption / Lamp / Wattage Per Lamp / Ballast 54 sq.ft.)	B Lamps/ Fixture	Fixtures	D Fixture Watt.	(C X
LED 1: L1: 2'x4' Troffer: Other: LED 2: L2: 10"x4' Surface Wrap: LED 3: L6: 6" Downlight: Other: LED 4: L7: Large Pendant: Other	Other:	1 1 1	11 1 3 5	40 45 4 17	4
Ü			Total Propose	ed Watts =	5
Interior Lighting PASSES					
building plans, specifications, a systems have been designed to	roposed interior lighting alteration project reprind other calculations submitted with this permonent the 2018 IECC requirements in COMchange listed in the Inspection Checklist.	nit application. The	proposed int	erior ligh	ting ny
Stan W. Johns Name - Title	Signature				

**▲ COM***check* Software Version 4.1.5.3

**Inspection Checklist** 

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

Comments/Assumptions

is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Complies?

□Not Observable

 $\square$ Complies  $\square$ Does Not

Requirements: 0.0% were addressed directly in the COM*check* software

and electrical systems and equipment Not Applicable

Energy Code: 2018 IECC

**Plan Review** 

C103.2 Plans, specifications, and/or calculations provide all information

control devices. Additional Comments/Assumptions:

with which compliance can be

determined for the interior lighting

and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and

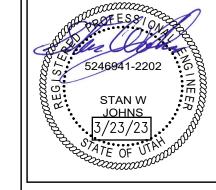
2350 N 930 E PROVO, UT 84604 lance@healdesigngroup.com Proffesional Certification. I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the PLEASE BE ADVISED: THESE DRAWINGS ARE NOT VALID FOR CONSTRUCTION UNLESS THEY HAVE BEEN SIGNED AND SEALED BY

STANLEY LANCE HEAL, ARCHITECT. UT LIC # 8044421-0301 LIC EXP DATE: 5/31/2024 **Project Information** TENANT ALTERATION THE MIX RETAIL BUILDINGS 2300 N UNIVERSITY PKWY PROVO, UT 84604

> Client CORY DEVENNEY

Sheet Title

COMPLIANCE REPORT



3/23/2023 PROJECT NO: 23-05

DWG NO.

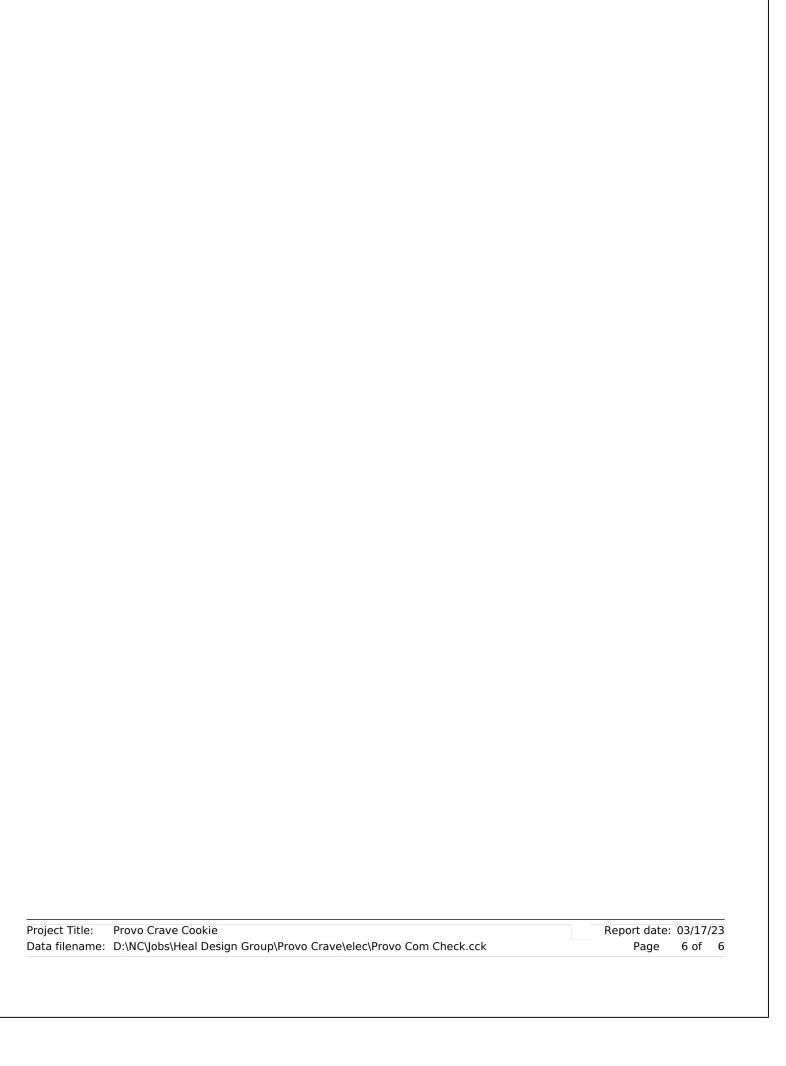
Report date: 03/17/23

Page 2 of 6

Rough-In Electrical Inspection Complies? Comments/Assumptions & Req.ID C405.2.3, Daylight zones provided with

1,	individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	□Does Not □Not Observable □Not Applicable	
C405.2.4 [EL26] <sup>1</sup>	Separate lighting control devices for specific uses installed per approved lighting plans.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.4 [EL27] <sup>1</sup>	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	□Complies □Does Not □Not Observable □Not Applicable	
C405.3 [EL6] <sup>1</sup>	Exit signs do not exceed 5 watts per face.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.6 [EL26] <sup>2</sup>	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.7 [EL27] <sup>2</sup>	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	□Complies □Does Not □Not Observable □Not Applicable	
C405.8.2, C405.8.2. 1 [EL28] <sup>2</sup>	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	□Complies □Does Not □Not Observable □Not Applicable	
C405.9 [EL29] <sup>2</sup>	Total voltage drop across the combination of feeders and branch circuits <= 5%.	□Complies □Does Not □Not Observable □Not Applicable	
Addition	al Comments/Assumptions:		

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)



# & Req.ID

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Project Title: Provo Crave Cookie