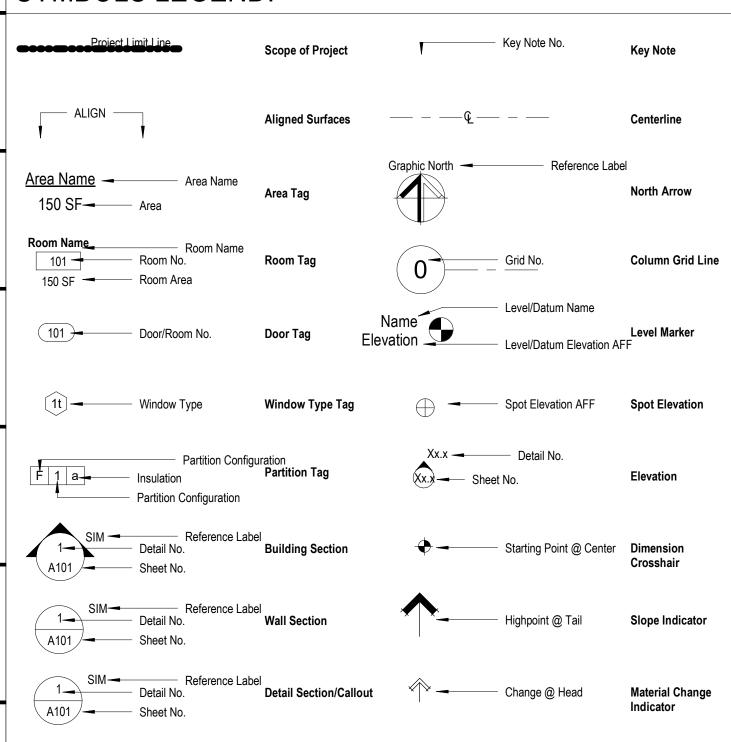
SYMBOLS LEGEND:





A0.4 ACCESSIBILITY STANDARDS A0.5 ACCESSIBILITY STANDARDS A0.6 ACCESSIBILITY STANDARDS A1.0 DEMOLITION PLAN A2.1 ARCHITECTURAL FLOOR PLAN A2.2 FINISH PLAN AND SCHEDULE A3.1 | REFLECTED CEILING PLAN A5.0 INTERIOR ELEVATIONS A5.1 INTERIOR ELEVATIONS A6.0 PARTITION TYPES & DETAILS A6.1 MILWORK DETAILS A6.2 MILWORK DETAILS ELECTRICAL E0.0 | ELECTRICAL NOTES AND SYMBOL LEGEND E0.1 ELECTRICAL SPECIFICATIONS E1.0 LIGHTING PLAN E2.0 POWER PLAN E2.1 POWER PLAN - ROOF E3.0 | ELECTRICAL PANEL SCHEDULES & ONE-LINE MECHANICAL M0.0 MECHANICAL NOTES & SPECIFICATIONS M1.0 MECHANICAL PLAN & SCHEDULES M2.0 MECHANICAL DETAILS M3.0 CAPTIVEAIRE DRAWINGS M3.1 | CAPTIVEAIRE DRAWINGS M3.2 CAPTIVEAIRE DRAWINGS M3.3 CAPTIVEAIRE DRAWINGS M3.4 CAPTIVEAIRE DRAWINGS M3.5 CAPTIVEAIRE DRAWINGS M3.6 | CAPTIVEAIRE DRAWINGS M3.7 CAPTIVEAIRE DRAWINGS M3.8 | CAPTIVEAIRE DRAWINGS M3.9 CAPTIVEAIRE DRAWINGS M3.10 | CAPTIVEAIRE DRAWINGS PLUMBING P0.0 PLUMBING SCHEDULES, LEGEND AND NOTES P1.0 PLUMBING PLANS P2.0 PLUMBING RISERS P3.0 PLUMBING DETAILS P3.1 PLUMBING DETAILS REFERENCE R1.1 REFERENCE FURNITURE PLAN Grand total: 41

Sheet Name

SHEET INDEX:

A0.1 PROJECT INFORMATION A0.2 OUTLINE SPECIFICATION

A0.3 OCCUPANCY AND EGRESS PLAN

ARCHITECTURAL

Expansion Join

Flevation

Electric (al)

Emergency

Equipment

Estimate

ELEC

EQ

EQUIP

EST

EMERG

ABBREVIATIONS EXT OA O.C. ACT EXTG. On Center (s) Existing Acoustical Ceiling Tile OD Outside Dia OHD Overhead FA Outside Diameter Acoustical Ceiling Panel Fire Alarm Acrylic Panel Furnished by Others OPNG Opening FDN Access Door Foundation F/CONC OPP ADD Face of Concrete Opposite Addendum PFB ADJ FD Floor Drain Prefabricate (d) AFF PFN Pre-finished Above Finished Floor Finished Floor/Face AHU F/FIN Paint Face of Finish Air Handling Unit PLY PTD Fire Extinguisher Plywood AL/ALUM Aluminum Painted Fire Extinguisher Cabinet ANOD F/MAS PTR Partition Anodized Face of Masonry FT APPROX Approximate Roof Drain FTG FURR FoB GA ARCH Architect (ural) REF Reference B.D. REFL Reflect (ed),(ive),(or) Bottom of Decl Furred (ing) REINF Reinforcement BEL Face of Brick BLDG REQD Required Building Gage, Gauge BLK/G GALV REV Revision (s), Revised Block (ing Galvanized RFG RM GB GC BRK Grab Bar Roofing Brick Both Sides General Contractor (c Room RO CG Corner Guard Rough Opening Glass, Glazing GWB GYP/BD Gypsum Wall Board Sink Construction Joint CLG Gypsum (Board) Sealed Concrete CLR HB SCH Schedule Clear (ance) Hose Bibb SQ SS CMU HC Square Concrete Masonry Unit Hollow Core HM Hollow Metal Stainless Steel CPT HORIZ STL Steel Carpet (Ing) Horizontal STRUCT Structural COL HT Height HTG SUSP Suspended Compress (ed),(Ion),(Ible Heating T.O. Top of CONC INSUL Concrete Insulate (d), (ion) TOL CONN INT Tolerance Connection Interior T.O.S. Top of Steel CONST Construction KP Kick plate CONT Continuous or Continue LAV Lavatory TRAN Transition T/S Top of Slab CORR LVT Luxury Vinyl Tile T.W. Top of Wall MAS MAT DEMO Demolish, Demolition Masonry TYP DET Material (s) Typical MAX UNF DIA Unfinished Maximum DIM MECH UON Unless Otherwise Noted Mechanic (al) MED Door Medium UR Urinal MTL VCT Metal Vinyl Composition Tile MFR VERT DWG Vertical Manufacture (er) MIN VIF Verify In Field Minimum

MIR

MISC

MO

N/A

NIC

NOM

NTS

Mirror

Miscellaneous

Not Applicable

Not In Contract

Nominal

Not To Scale

Masonry Opening

VIN

WB

WC

WD

VT

Vinyl

With

Wood

Vinyl Tile

Wall Base

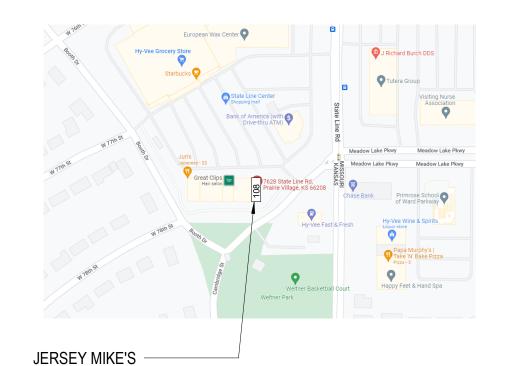
Wall Covering

PROJECT LOCATION:

KEY PLAN:



JERSEY MIKE'S



PROJECT GENERAL NOTES:

THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES BETWEEN THESE DOCUMENTS AND ANY APPLICABLE CODES BY THE AGENT INVOLVED WITH THE GOVERNING AGENCY HAVING JURISDICTION. IT IS UNDERSTOOD THAT THE "FIELD INSPECTOR" FOR SUCH AGENCY HAS FINAL AUTHORITY TO APPROVE/DISAPPROVE PROJECT CONSTRUCTION AND CORRECTNESS OF ALL CODE RELATED ITEMS. EACH SUBCONTRACTOR IS CONSIDERED A SPECIALIST IN THEIR RESPECTIVE FIELD OR TRADE AND SHALL NOTIFY, PRIOR TO PERFORMANCE OF THE WORK,

THE GENERAL CONTRACTOR AND THE ARCHITECT OF ANY WORK CALLED OUT IN THE DRAWINGS WHICH CANNOT BE FULLY GUARANTEED OR CONSTRUCTED THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS AND DIMENSIONS PRIOR TO COMMENCING THE WORK AND IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES.

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LOCATIONS OF ALL OPENINGS, BASES, AND SPECIAL PROVISIONS REQUIRED FOR EQUIPMENT, DUCTS PIPING, CONDUITS, FINISH HARDWARE, ETC. AND IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES. GENERAL CONTRACTOR TO COORDINATE ARCHITECTURAL DRAWINGS WITH MECHANICAL AND ELECTRICAL, PLUMBING, CIVIL AND LANDSCAPE DRAWINGS.

GENERAL CONTRACTOR SHALL NOT SCALE OFF DRAWINGS - CONTACT ARCHITECT FOR ALL COORDINATION ISSUES. GENERAL CONTRACTOR TO MAINTAIN UNOBSTRUCTED ACCESS TO ALL EXITS DURING DEMOLITION AND CONSTRUCTION WHERE CONSTRUCTION DETAILS ARE NOT SHOWN OR NOTED FOR ANY PART OF THE WORK, DETAILING SHALL BE THE SAME AS FOR OTHER SIMILAR FIRST CLASS WORK FOR THE TRADE INVOLVED. THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY OF ANY ALTERNATE NON-STANDARD OR UNTESTED METHOD(S)

EXTERIOR SIGNAGE IS NOT IN THE SCOPE OF THIS BUILDING PERMIT. BIDDING CONTRACTOR TO VISIT SPACE PRIOR TO COMPLETING BID.

GENERAL CONTRACTOR TO MAINTAIN ALL EXISTING FIRE RATINGS DURING DEMOLITION AND CONSTRUCTION.

BUILDING CODE SUMMARY:

PROJECT SUMMARY TENANT FITOUT OF A NEW MULTI-TENANT BUILDING

SEE SHEET A0.3 FOR EGRESS PLAN

BUILDING CODE:

BUILDING DATA:

Landlord Contact:

4520 Main Street, Suite 600

Kansas City, MO 64111

BUILDING CODE AGENCY/JURISDICTION: 2018 International Building Code 2018 International Existing Building Code 2017 National Electrical Code 2018 International Fire Code

2018 International Property Maintenance Code 2018 International Energy Conservation Code 2018 International Fuel and Gas Code 2018 International Mechanical Code 2018 International Plumbing Code

JOHNSON COUNTY, KANSAS

TYPE OF WORK:

FIRE SUPPRESSION: **EXISTING CONSTRUCTION TYPE:**

TOTAL NUMBER OF FLOORS: **ONE (1)** NUMBER OF FLOORS ABOVE GRADE: ONE (1)

USE/OCCUPANCY GROUP

B (Business) (PER Section 303.1.2.1)

ISSUE FOR PERMIT

INTERIOR FITOUT

FULLY SPRINKLERED

Client Approval

PROJECT INFORMATION

43422-KS04 Project# 01/16/2023 Issue Date Scale As indicated

Drawn by Checked by

JW/AM

PROJECT DIRECTORY:

Tenant Contact: Blakeward Holdings LLC 9532 Hebron Commerce Dr. Charlotte, NC 28273

Rodger Blake-Ward Rblake8506@aol.com (704) 400-8826

Eric Franz eric.franz@cbre.com (816) 968-5889

Engineer Contact: Dialectic Engineering Kansas City, MO 64108

Architect Contact:

Oculus Incorporated

St. Louis, MO 63102

310 West 20th St, Suite 200

One South Memorial Dr, Suite 1500

(314) 367-1489 fax Drew Jack drew.jack@dialecticeng.com

(816) 997-9586

(314) 450-5395 phone

Matt Bradley

Revision Date



These drawings/specifications are the property of Oculus Inc. They are furnished as contract documents only. The seal(s) and signature(s) apply only to the document to which they are affixed, and expressly disclaim any responsibility for all other plans, specifications, estimates, reports or other ocuments or instruments relating to or intended to be used for any part or

parts of the architectural or engineering project. Additionally these

drawings and seal(s) shall in no way convey or imply any type of warranty or certification relating to the performance of products and materials beyond those provided by their respective manufacturer.



DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES

1. Contractor shall provide all wood or metal blocking, grounds, nailers, and supports, as shown in the drawings, and as required for the attachment of other work. Contractor shall install all work plumb and level. Contractor shall also fill and sand smooth all exposed nail and fastener holes, and coordinate location with other work.

2. All finish lumber, hardwood stock, and milled trim shall be kiln dried and ready for fabrication/installation. All pieces shall be of the type and grade specified and clear of warp, splits, knots or other deformities that would detract from its appearance.

3. All architectural woodwork shall comply w/ with standards and recommendations of the architectural woodwork institute's AWI current standards - "Architectural Woodwork Quality Standards".

4. Contractor shall fabricate and install base cabinets as shown on drawings. Casework shall be AWI premium grade and finished as noted on drawings.

5. Cabinets shall be of 'flush overlay construction as shown on the drawings and as follows:

a. Cabinets where shown as plastic laminate: Provide plastic laminate on all exposed surfaces with selected colors as indicated on the drawings and as listed below unless otherwise noted:

Gp-50 for non-post-formed surfaces.
 Pf-42 for post-formed surfaces.

3. Gp-28 for vertical surfaces

6. The following hardware shall be used for all scheduled millwork / cabinets unless otherwise noted on drawings:

a. Drawer guides: Self closing accuride C3800/C3827, or approved equal.
b. Grommets: All grommet trim unless noted otherwise to be manufactured by Doug Mockett and Co., Manhattan Beach, CA 90266, (213)318-2491. Equip with 3"diameter holes with XG series "black". Equip all slotted holes with CL series "black" to the size as shown on the drawings.
c. Hinges: Grass 1203 or Stanley 1511-2 or 1511-9X, self-closing, three dimensional adjustable, 165 degree opening.
d. Touch latching mechanisms: Stanley, Hafele or approved equal. (sized appropriately to match door size.)
e. Casework pulls: 3 1/2" polished chrome wire cabinet door pulls

f. Pocketing cabinet door hardware: NOT USED
g. Ventilation grill: Hafele #571.62.302, black or approved equal.
h. Cabinet door silencers: Provide three (3) rubber bumpers per door.
i. Self supports: Provide recessed metal standards or metric drilling at contractors' option.
j. Coat hooks: Refer to door hardware groups.

k. Drawer and cupboard locks: Half-mortise type, 5-pin tumbler and deadbolt, round

cylinder only exposed, brass with plated finish, similar to Yale NO. 5591.

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

<u>SEALANTS</u>

1. Install sealants as mentioned below and shown on drawings (unless otherwise noted on drawings), per manufacturer's recommendations.

Type 1: All exterior vertical surfaces use sealants as follows:

a. Aluminum and glass: One part non- acid curing silicone sealant.b. Aluminum, masonry, and EIFS: one or two part non-sag low modulus urethane sealant. Verify compatibility of sealant with EIFS manufacturer prior to use.

3. Type 2: Interior wet locations - such as bathrooms, toilet fixture bases, sinks, etc.: one-part mildew resistant silicone sealant.

4. Type 3: All interior joints exposed to view: Siliconized acrylic latex sealant (paintable) as noted or indicated in the documents. A continuous bead of caulk shall be provided at all edges of hollow metal and aluminum frames.

5. Type 4: All exterior door thresholds use: one-part butyl sealant.

FIRE AND SMOKE PROTECTION

1. Furnish and install fireproofing system (complete w/ all required primers, metal lath, sealers, topcoats, etc as applicable) at location of steel beam reinforcement. Use "U.L." approved materials which match required fire resistive ratings used on existing beam(s). Install in compliance w/ manufacturer's recommendations and industry standards.

2. Subject to approval of local code officials and standards, apply fireproofing materials by trowel application or other placement method acceptable to manufacturer.

DIVISION 08 - OPENINGS

METAL DOORS AND FRAMES

1. Furnish and install hollow metal frames to comply with steel door institute "recommended specifications: a. (SDI-100) standard steel doors and frames.

b. HMMA/NAAMM "guide specifications for commercial hollow metal doors and frames" (HMMA 861-87).

2. Provide labeled frames where indicated on drawings. Warranty to be in effect for two years after date of substantial completion.

3. Finish on frames to be as follows: Shop/field painting at contractor option, to match color selection as indicated in material legend on drawings, unless otherwise noted all frames to be sprayed.

4. Frames, unless noted otherwise, shall conform to the building standard as specified by the landlord and are to be Fully Welded.

5. Reuse existing hollow metal frames (unless noted otherwise on drawings), wherever possible. Contractor shall notify the owner of the type and number of existing frames which can be re-used and which have become damaged making them un-suitable for reuse.

6. Provide galvanized metal doors with shop-applied primer of type and styles indicated on drawings or schedules. Provide non-removable glazing stops installed on public side of door. Glazing beads on inside of glass and louver panels shall be removable. Glazing systems shall be minimum 20 gauge steel. All doors hollow metal doors to be 1 3/4" thick.

7. Submit shop drawings and schedules for approval, prior to fabrication. Conform to same door and opening designations used in the door schedule.

WOOD DOORS

1. Where indicated on drawings and shown in schedules, furnish and install new solid core wood doors to match building standard. Door veneer to match existing grain, species and leaf matching. Provide labeled doors where indicated on drawings.

2. Reuse existing doors as indicated on drawings. Refinish doors to match color and sheen of new doors unless otherwise noted on drawings.

3. Rated interior solid core wood doors shall comply with requirements of AWI Section 1300, fd-5 doors. Custom/premium grade doors for transparent finish to match quality of non-rated doors. Core to be non-combustible mineral composition material per label requirements. Stiles and rails securely bonded to core per label requirements. Veneer to be as specified in material legend, "A" grade, edge glued joints for transparent finish

4. Non-rated interior solid core wood doors shall comply with requirements of AWI Section 1300, pc-5 ce doors. Custom grade veneer, bonded particle core doors for opaque finish. Core to be particleboard conforming to ANSI A208.1, 1-Id-2 grade. Stiles and rails securely bonded to core, and then entire unit abrasive planed before veneering. Veneer to be sound, close grain hardwood, minimum b grade (minimum 1/50" at 12 % mc), for opaque finish.

5. Submit shop drawings, product information and schedules for approval prior to fabrication. Conform to same door and opening designations as shown in the door schedule on the drawings.

6. Contractor to submit certificate showing that interior wood doors are to be warranted for life of installation.

7. Door manufacturer's to be considered are as follows (unless otherwise noted on drawings):

a. AMPCO, Eggers, VT Industries and Weyerhaeuser door division.

ENTRANCES AND STOREFRONTS

NOT APPLICABLE

HARDWARE1. Provide locksets appropriate to function where indicated in door schedule. Furnish and install new hardware to match building standard as required

equivalent "models" by Corbin, Falcon, Yale products will be considered. See drawings for additional information.

(unless otherwise noted), note, selections are based upon products as manufactured by "Schlage Lock Company," alternate manufacturers of

Project standard interior door locks and latches (unless otherwise noted):

a. Certif: ANSI A156.2, 1989,series 4000 grade 1.
Design: Schlage extra heavy duty cylindrical locks,
Series: "D" lever: "Schlage Rhodes"
Latch: 09-66X square corner strike: 10-072; 37-015(@wd fr)
Finish: 626(26D) satin chromium plated.
Keying: Master-keyed - standard interchangeable cores
Reinforcing kit: 37-001 - sized for door thickness

3. Project standard security deadbolts (unless otherwise noted):

a. Certif: ANSI A156.2, 1984, grade 3.
Design: Single cylinder deadbolt, thumb turn interior.
Series: "100" model: "B160"
Finish: 626(26D) satin chromium plated.
Keying: Master-keyed - standard interchangeable cores
Reinforcing kit: 37-001 - sized for door thickness.

4. Project standard cypher locks (unless otherwise noted):

a. Contractor shall retrofit, if possible, existing cypher locks hardware to meet current ADA, ANSI and building code requirements. Retrofit shall include manufacturer's approved lever handles. If retrofit of existing cypher lock cannot be achieved notify the Architect for a replacement specification.

b. Manufacturer: ILCO Unicam Corp.
 Certif: ANSI A156.2, grade 1.ADA & d.o.d.5220.22m
 Design: Exterior access by combination or key override.
 Egress by interior lever.
 Series: "I1000" model: "1021"
 Finish: Matchg bldg standard

Keying: Masterkeyed - standard interchangeable cores

5. Furnish and install card key access system to match building standard where indicated on the drawings.

6. Door Closers (unless otherwise noted):

a. LCN 4040 w/back check, surface mounted with parallel arm for push side mounting.
 Similar in style and appearance to building standard.

7. Hinges, butts and pivots (unless otherwise noted). Non-ferrous hinges to be provided with stainless steel pins. Exterior doors, and out-swing corridor doors to receive non-removable pins. Provide number of hinges in accordance w/ door and hardware institute recommendations. Provide ball bearing butts for doors equipped with closures.

8. Submit for approval hardware schedule keyed to Architect's door and opening designations. List manufacturer's model number for all group components. Submit product information for each type of hardware provided.

9. Hardware supplier shall have in his/her employ an AHC member of the American Society of Hardware Consultants who must be capable of correctly interpreting the plans and specifications to furnish complete and appropriate hardware. Consultant must sign shop drawing/product information submittal thus signifying that the submittal complies with the intent of the documents and the door and hardware institute.

10. Supplier to coordinate lock cylinders and keying with Tenant, and master key system for the entire project. Supplier will meet with Tenant as required to finalize keying requirements and document/obtain final instructions in writing.

GLASS AND GLAZING

1. Comply with recommendations of flat glass marketing association (FGMA) "glazing manual" and "sealant manual" except where more stringent requirements are indicated.

2. All interior glass shall be 1/4" minimum, unless otherwise noted, glass thickness shall meet or exceed minimum standards set forth in current ASTM E1300 version

3. Contractor shall furnish and install tempered safety glass. as indicated on the drawings or otherwise required by code. All safety glass shall be identified as such with visible markings located in corner and suitable for building inspector review and approve.

4. Unless otherwise noted on the drawings, contractor shall furnish and install clear non-coated annealed flat glass of the size and thickness shown Provide glass and glazing that has been produced, fabricated and installed to withstand normal thermal, wind or impact loading (where applicable), without failure. All glass for the project shall comply w/ thickness, dimensional tolerances and characteristics set forth in ASTM C1036 "Standard Specification for Flat Glass"

5. Unless otherwise noted on the drawings, contractor shall furnish and install clear heat-treated flat glass, ft (fully tempered) of the size as indicated in the documents. Provide glass and glazing material that has been produced, fabricated and installed to withstand normal thermal, wind or impact loading. Fully tempered glass shall comply w/ the requirements for safety glazing in ANSI Z97.1-"standard for glazing materials used in buildings" as well as ASTM C1048 "standard for heat treated flat glass -kind ft coated and uncoated glass. Fully tempered glass shall comply with all local building

well as ASTM C1048 "standard for heat treated flat glass -kind ft coated and uncoated glass. Fully tempered glass shall comply with all local building code and life safety requirements.

6. Provide glazing sealants, tapes, and misc. materials with a proven record of compatibility with other materials/surfaces with which they will come

6. Provide glazing sealants, tapes, and misc. materials with a proven record of compatibility with other materials/surfaces with which they will come into contact, including, but not limited to, glass products, seals of insulating glass units, glazing channel substrates, under conditions of service, as demonstrated by testing and field experience.

7. Submit shop drawings and product literature for Architect review.

DIVISION 09 - FINISHES

PLASTER AND GYPSUM BOARD ASSEMBLIES

1. Interior finish material shall comply with the flame spread and smoke development limitation listed in the building code section.

2. Contractor shall furnish all materials and labor to construct and finish all interior rooms and spaces as shown on drawings, noted schedules or otherwise specified in these documents.

3. Gypsum wall board shall be 5/8" thick (unless otherwise noted on drawings), taped, filled and sanded smooth. Fire-code gypsum wallboard shall be 5/8" thick, taped, filled, sanded smooth, and installed per manufacturer's recommendations for ratings as shown on drawings.

4. Install (non-load bearing) screw-type metal stud support system of the gauge recommended by the manufacturer for the application shown on the drawings. Comply with manufacturer's recommendations for acoustical ceiling work but not less than recommended.

a. 25 ga / standard duty studs @ 24" o.c. max / for clear span heights, do not exceed manufacturer's recommendations for the following:

do not exceed manufacturer's recommendations for the following: 1 5/8" stud, 2 1/2" stud, 3 5/8" stud, and 4" stud.

b. 22 ga / heavy duty studs @ 24" o.c. max / for clear span heights, do not to exceed manufacturer's recommendations for the following: 1 5/8" stud, 2 1/2" stud, 3 5/8" stud, 4" stud, and 6" stud.

c. 20 ga / extra duty studs @ 24" o.c. max / for clear span heights, do not exceed manufacturer's recommendations for the following: 1 5/8" stud, 2 1/2" stud, 3 5/8" stud, 4" stud, and 6" stud.

5. Contractor shall furnish and install complete suspended gypsum wall board ceiling system where indicated on the drawings. Provide components which comply with ASTM C 754 and manufacturer's recommendation for materials and sizes unless otherwise indicated. Provide seismic struts/braces as required by local codes and per building standards.

<u>CEILINGS</u>

1. Comply with manufacturer's recommendations for all acoustical ceiling work. Products by USG, Armstrong, and Chicago Metallic will be considered if no specific materials are called for in the documents.

2. Where noted on the drawings, contractor shall replace pads with new pads as indicated. (See finish legend for additional information).

3. Contractor shall review ceiling plans and provide take off quantities to the Tenant for ordering of customers' own materials. Ordered quantities shall include sufficient amount for attic stock and waste during installation.

4. Comply with building standard details and local codes with reference to seismic struts/bracing.

RESILIENT FLOORING

1. Install all resilient tile flooring by direct glue method in accordance with the manufacturers' recommended installation specifications and instructions. Install only over properly prepared and cleaned substrates as recommended by manufacturer.

2. Material to be selected from manufacturer's standard colors. Color and material to be selected by Architect unless otherwise shown in finish schedule.

BASE

1. Install resilient base material as noted in material legend. Use direct glue method in accordance with manufacturer's recommended installation specifications and instructions. Install only over properly prepared substrates as recommended by manufacturer. Material shall be installed in the longest continuous sections feasible. final installation shall be smooth, free of bumps and other irregularities.

2. Wall base to be selected from manufacturers standard colors. Color to be integral and full thickness of material. Color and material to be selected by the Architect.

PAINTING AND COATING

1. Contractor shall finish walls with one coat primer and two coats latex enamel paint unless otherwise noted in material legend, keyed notes and room finish schedule.

2. Where indicated on drawings, contractor shall spray finish on building door frames in semi-gloss alkyd enamel. Finish color to be as indicated on drawings and to match architect's sample.

SPECIAL COATINGS

1. Contractor shall furnish and install special coatings or multi-color paint system as noted in the material legend. Installer shall be experienced in the installation of special coatings or multi-color installation process and familiar with all manufacturer's equipment and application procedures and instructions. Contractor shall coordinate the installation of special materials with Owners representative to minimize disruptions to normal building operations. Prior to installation, contractor shall notify Owner if special coating application produces fumes or orders which might disrupt other building use/operations. If necessary, special coatings installation shall be conducted after hours or on weekends.

2. Contractor shall provide an additional supply equivalent to 5% of each color of paint specified for touch up and repair. Surplus paint shall be in new and unopened containers provided by the manufacturer.

3. Contractor to verify that painting contractor is certified installer/applicator of manufacturer of special coating specified in project.

DIVISION 10 - SPECIALTIES

FIRE EXTINGUISHER CABINETS

Unless otherwise noted on drawings, contractor to furnish and install building standard semi recessed fire extinguisher cabinet equal to Potter Roemer #7042 fire cabinet with 2a 10bc minimum rated extinguisher, where indicated on drawings. Paint cabinet to match walls unless not allowed by local codes.

DIVISION 11 - EQUIPMENT

1. Contractor to install commercial kitchen equipment provided by the tenant and as indicated on the drawings.

2. Contractor shall coordinate the installation of tenant provided equipment with all related work including millwork, plumbing and electrical. Install device in accordance with manufacturer's specifications and instructions. Contractor shall notify the tenant of all specific information required to coordinate installation of tenant provided equipment.

DIVISION 12 - FURNISHINGS

1. Contractor shall furnish and install all tenant-provided furniture as indicated on the drawings.

2. Contractor shall install all Tenant/Owner provided AV equipment as indicated on the drawings. Coordinate installation of audio visual equipment with ceiling installation. Tenant shall provide contractor with specific product cut sheets/specification and mounting requirements.

DIVISION 13 - SPECIAL CONSTRUCTION

NOT APPLICABLE

DIVISION 14 - CONVEYING EQUIPMENT

NOT APPLICABLE

NOT APPLICABLE

DIVISION 21 - FIRE SUPPRESSION

DIVISION 22 - PLUMBING

RE: PLUMBING SPECIFICATIONS.

RE: MECHANICAL SPECIFICATIONS.

DIVISION 23 - HEATING, VENTILATING, AND AIR CONDITIONING

RE: ELECTRICAL SPECIFICATIONS

DIVISION 26 - ELECTRICAL

ARCHITECTURE - INTER



VILLAGE
7628 State Line Road, Unit 108

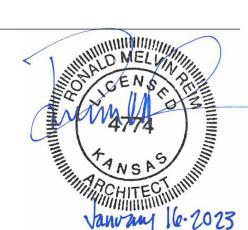
PRAIRI

Description

#

These drawings/specifications are the property of Oculus Inc. They are furnished as contract documents only. The seal(s) and signature(s) apply only to the document to which they are affixed, and expressly disclaim any responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty or certification relating to the performance of products and materials beyond

those provided by their respective manufacturer.



ISSUE FOR PERMIT

Client Approval

OUTLINE SPECIFICATION

Project # 43422-KS04

Issue Date 01/16/2023

1" = 1'-0"

Drawn by

Checked by

A O C

H4 OCCUPANCY/EGRESS PLAN



EXIT REQUIREMENTS:

MAXIMUM DEAD END CORRIDOR DEPTH:

SPRINKLERED REQUIRED NUMBER OF EXITS PER CODE: NUMBER OF EXITS SHOWN ON PLANS: REQUIRED DISTANCE BETWEEN EXIT DOORS PER CODE: 64' - 11 1/4" / 3 = 21' - 8 **ACTUAL DISTANCE BETWEEN EXIT DOORS:**

OCCUPANCY DATA:

			(Occupancy Schedule		
	RM#	ROOM NAME	AREA	OCCUPANCY	LOAD FACTOR	OCCUPANT LOAD
8"	101	DINING	388 SF	ASSEMBLY UNCONCENTRATED	15	27
	102	KITCHEN/PREP	230 SF	COMMERCIAL KITCHEN	200	2
	103	MEN'S RESTROOM	55 SF	UNOCCUPIED	0	0
	104	WOMEN'S RESTROOM	45 SF	UNOCCUPIED	0	0
	105	HALL	26 SF	UNOCCUPIED	0	0
	106	CLEAN-UP	251 SF	COMMERCIAL KITCHEN	200	2
	107	WALK-IN REF	54 SF	STORAGE	300	1
	108	FREEZER	28 SF	STORAGE	300	1
	109	PUMP ROOM	17 SF	STORAGE		0
	Grand	total: 9	1095 SF		,	33

NOTE: AREA SQUARE FOOTAGE SHOWN ARE FOR THE BUILDING CODE OFFICIAL'S USE AND REVIEW ONLY. AREA CALCULATIONS SHOWN NOT RELATED TO TENANT LEASING INFORMATION.

EXIT ACCESS TRAVEL DISTANCES

Path ID	Common Path Distance	Allowable Common Path	Actual Travel Distance	Allowable Travel Distance
A	0' - 0"	100' - 0"	54' - 1"	300' - 0"
В	0' - 0"	100' - 0"	52' - 3"	300' - 0"

LEGEND



36 ACTUAL EGRESS LOAD

36" OOOR WIDTH

180 — MAX EXGRESS CAPACITY DOOR TAG

COMMON PATH PORTION OF TRAVEL PATH

TRAVEL PATH STORAGE

ASSEMBLY UNCONCENTRATED COMMERCIAL KITCHEN

UNOCCUPIED

PLUMBING FIXTURE REQUIREMENTS

RESTAURANTS, DRINKING FOUNTAINS SHALL NOT BE REQUIRED

	WATERO	CLOSETS		LAVAT	ORIES	DRINI FOUN		
NAME	MALE	FEMALE	URINALS	MALE	FEMALE	REG.	ACC	
RESTROOM 1 1 0 1 1 *0 *								
*PER SECTION 4	10 OF THE INT	ΓERNATIONAL	PLUMBING C	ODE: WHERE	WATER IS SERV	ED IN		

GENERAL DOOR AND HARDWARE NOTES:

- A] HAND ACTIVATED DOOR OPENING HARDWARE IS TO BE MOUNTED 30" -34" ABOVE THE FLOOR AND BE OPERABLE WITH A SINGLE EFFORT BY LEVER-TYPE HARDWARE.
- B] LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, PUSH/PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED AND APPROVED FOR PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPERATIONG HARDWARE.
- C] MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 8.5 POUNDS OF FORCE FOR EXTERIOR DOORS AND 5 POUNDS FOR INTERIOR DOORS. SUCH FORCE BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHERE FIRE DOORS ARE REQUIRED. THE MAXIMUM FORCE REQUIRED TO OPERATE THE DOOR MAY BE INCREASED TO 15 POUNDS.
- D] THE BOTTOM 10" OF ALL NON-AUTOMATED HINGED DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION
- E) EVERY REQUIRED ENTRANCE OR PASSAGE DOORWAY SHALL BE OF A SIZE AS TO PERMIT THE INSTALLATION OF A DOOR NOT LESS THAN 3'-0" IN WIDTH NOT LESS THAN AND 6'-8" IN HEIGHT. ALL DOORS SHALL BE CAPEABLE OF OPENING A MINIMUM OF NINETY DEGREES AND SHALL BE MOUNTED SUCH THAT THE CLEAR WIDTH OF THE DOORWAY IS NOT LESS THAN 32" WITH THE DOOR AT NINETY DEGREES FROM THE CLOSED POSITION. ONE DOOR OF A PAIR OF DOORS SHALL MEET THE MINIMUM WIDTH REQUIREMENTS.
- F] MAXIMUM HEIGHT OF THRESHOLD TO BE 1/2". MAXIMUM VERTICAL RISE AT EDGE IS 1/4" WITH A MAXIMUM BEVEL OF 22 DEGREES.
- G] ALL REUSED DOORS AND HARDWARE TO BE FULLY INSPECTED FOR SOUNDNESS AND FUNCTION. ANY REUSEABLE COMPONENT SHALL BE CLEANED, OILED, PATCHED, REFINISHED AS REQUIRED PRIOR TO REINSTALLATION IN NEW WORK.

- H] GENERAL CONTRACTOR AND HARDWARE SUPPLIER SHALL BE RESPONSIBLE FOR COODINATING ALL LOCKING, LATCHING, CLOSURE AND KEYING REQUIREMENTS FOR TENANT USE.
- J] IT SHALL BE THE SPECIFIC DUTY AND RESPONSIBILITY OF THE FINISH HARDWARE SUPPLIER TO EXAMINE DRAWINGS AND SCHEDULES AND FURNISH PROPER HARDWARE FOR ALL NEW AND/OR MODIFIED OPENINGS AS REQUIRED FOR A COMPLETE INSTALLATION. CONTRACTOR SHALL SUBMIT A HARDWARE SCHEDULE TO ARCHITECT FOR REVIEW AND APPROVAL OF TYPES AND STANDARDS OF QUALITY PROIR TO ORDERING.
- K] MATCH EXISTING OPENING WIDTH, HEAD & JAMB GWB CONSTRUCTION.
- L] ALL NEW DOORS TO HAVE 1/4" MAXIMUM UNDERCUT U.O.N.

SHEET NOTES:

A) REFERENCE COVER SHEET FOR BUILDING CODE SUMMARY

	WATERO	CLOSETS		LAVAT	ORIES	DRINI FOUN	_
NAME	MALE	FEMALE	URINALS	MALE	FEMALE	REG.	ACC.
RESTROOM	1	1	0	1	1	*0	*0
		•					

Manuevering Clearance at Swinging Doors (from 28 CFR Part 36; ADA Standards for Accessible Design; Figure 25) (B) Front approach, push side (C) Hinge approach, pull side where both closer and latch are provided



Client Approval

Scale

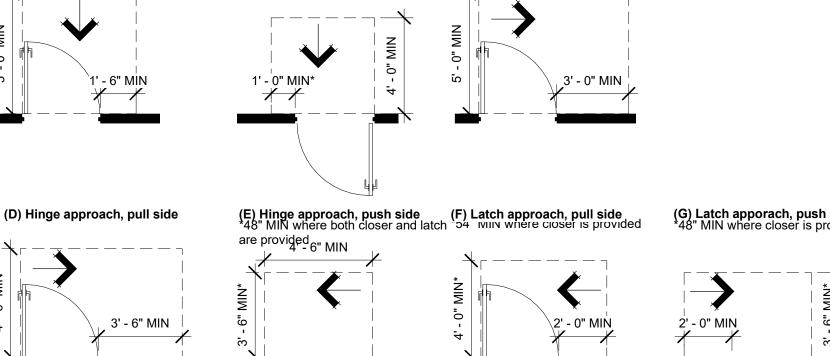
These drawings/specifications are the property of Oculus Inc. They are furnished as contract documents only. The seal(s) and signature(s) apply only to the document to which they are affixed, and expressly disclaim any responsibility for all other plans, specifications, estimates, reports or other ocuments or instruments relating to or intended to be used for any part or parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty or certification relating to the performance of products and materials beyond those provided by their respective manufacturer.

OCCUPANCY AND EGRESS PLAN

As indicated

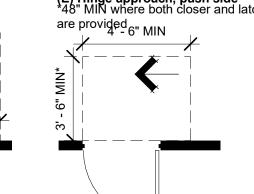
43422-KS04 Project# 01/16/2023 Issue Date

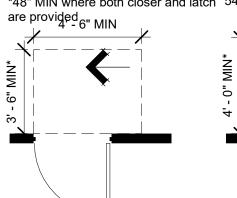
Drawn by JW/AM Checked by

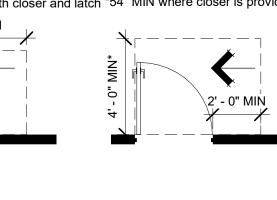


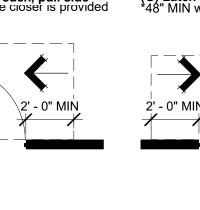
S12 Required Door Clearances

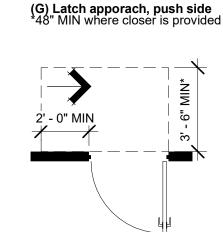
(A) Front approach, pull side











EXCEPTIONS:

1. In buildings or facilities not required to provide an accessible route between stories, an accessible route shall not be required to a mezzanine dining area where the mezzanine contains less than 25 percent of the total combined area for seating and dining and where the same decor and services are provided in the accessible area.

In alterations, an accessible route shall not be required to existing raised or sunken dining areas, or to all parts of existing outdoor dining areas where the same services and decor are provided in an accessible space usable by the public and not restricted to use by people with disabilities.

3. In sports facilities, tiered dining areas providing seating required to comply with 221 shall be required to have accessible routes serving at least 25 percent of the dining area provided that accessible routes serve seating complying with 221 and each tier is provided with the same services.

Advisory 206.2.5 Restaurants and Cafeterias Exception 2. Examples of "same services" include, but are not limited to, bar service, rooms having smoking and non-smoking sections, lotto and other table games, carry-out, and buffet service. Examples of "same decor" include, but are not limited to, seating at or near windows and railings with views, areas designed with a certain theme, party and banquet rooms, and rooms where entertainment is provided.

213 TOILET FACILITIES AND BATHING FACILITIES

213.1 General. Where toilet facilities and bathing facilities are provided, they shall comply with 213. Where toilet facilities and bathing facilities are provided in facilities permitted by 206.2.3 Exceptions 1 and 2 not to connect stories by an accessible route, toilet facilities and bathing facilities shall be provided on a story connected by an accessible route to an accessible entrance.

213.2 Toilet Rooms and Bathing Rooms. Where toilet rooms are provided, each toilet room shall comply with 603. Where bathing rooms are provided, each bathing room shall comply with 603.

EXCEPTIONS:

1. In alterations where it is technically infeasible to comply with 603, altering existing toilet or bathing rooms shall not be required where a single unisex toilet room or bathing room complying with 213.2.1 is provided and located in the same area and on the same floor as existing inaccessible toilet or bathing rooms.

Where exceptions for alterations to qualified historic buildings or facilities are permitted by 202.5, no fewer than one toilet room for each sex complying with 603 or one unisex toilet room complying with 213.2.1 shall be provided.

Where multiple single user portable toilet or bathing units are clustered at a single location, no more than 5 percent of the toilet units and bathing units at each cluster shall be required to comply with 603. Portable toilet units and bathing units complying with 603 shall be identified by the International Symbol of Accessibility complying with 703.7.2.1.

4. Where multiple single user toilet rooms are clustered at a single location, no more than 50 percent of the single user toilet rooms for each use at each cluster shall be required to comply with

Advisory 213.2 Toilet Rooms and Bathing Rooms. These requirements allow the use of unisex (or single-user) toilet rooms in alterations when technical infeasibility can be demonstrated. Unisex toilet rooms benefit people who use opposite sex personal care assistants. For this reason, it is advantageous to install unisex toilet rooms in addition to accessible single-sex toilet rooms in new

Advisory 213.2 Toilet Rooms and Bathing Rooms Exceptions 3 and 4. A "cluster" is a group of toilet rooms proximate to one another. Generally, toilet rooms in a cluster are within sight of, or

213.2.1 Unisex (Single-Use or Family) Toilet and Unisex Bathing Rooms. Unisex toilet rooms shall contain not more than one lavatory, and two water closets without urinals or one water closet and one urinal. Unisex bathing rooms shall contain one shower or one shower and one bathtub, one lavatory, and one water closet. Doors to unisex toilet rooms and unisex bathing rooms shall have privacy latches.

213.3 Plumbing Fixtures and Accessories. Plumbing fixtures and accessories provided in a toilet room or bathing room required to comply with 213.2 shall comply with 213.3.

213.3.1 Toilet Compartments. Where toilet compartments are provided, at least one toilet compartment shall comply with 604.8.1. In addition to the compartment required to comply with 604.8.1, at least one compartment shall comply with 604.8.2 where six or more toilet compartments are provided, or where the combination of urinals and water closets totals six or more fixtures.

Advisory 213.3.1 Toilet Compartments. A toilet compartment is a partitioned space that is located within a toilet room, and that normally contains no more than one water closet. A toilet compartment may also contain a lavatory. A lavatory is a sink provided for hand washing. Full-height partitions and door assemblies can comprise toilet compartments where the minimum required spaces are provided

213.3.2 Water Closets. Where water closets are provided, at least one shall comply with 604.

213.3.3 Urinals. Where more than one urinal is provided, at least one shall comply with 605.

213.3.4 Lavatories. Where lavatories are provided, at least one shall comply with 606 and shall not

213.3.5 Mirrors. Where mirrors are provided, at least one shall comply with 603.3. Accessible mirrors shall be provided at locations that are consistent with the location of other mirrors in the same room.

213.3.6 Bathing Facilities. Where bathtubs or showers are provided, at least one bathtub complying with 607 or at least one shower complying with 608 shall be provided.

213.3.7 Coat Hooks and Shelves. Where coat hooks or shelves are provided in toilet rooms without toilet compartments, at least one of each type shall comply with 603.4. Where coat hooks or shelves are provided in toilet compartments, at least one of each type complying with 604.8.3 shall be provided in toilet compartments required to comply with 213.3.1. Where coat hooks or shelves are provided in bathing facilities, at least one of each type complying with 603.4 shall serve fixtures required to comply with 213.3.6.

216 SIGNS

216.2 Designations. Interior and exterior signs identifying permanent rooms and spaces shall comply with 703.1, 703.2, and 703.5. Where pictograms are provided as designations of permanent interior rooms and spaces, the pictograms shall comply with 703.6 and shall have text descriptors complying with 703.2 and 703.5.

226 DINING SURFACE AND WORK SURFACES

226.1 General. Where dining surfaces are provided for the consumption of food or drink, at least 5 percent of the seating spaces and standing spaces at the dining surfaces shall comply with 902. In addition, where work surfaces are provided for use by other than employees, at least 5 percent shall

EXCEPTIONS:

Sales counters and service counters shall not be required to comply with 902.

2. Check writing surfaces provided at check-out aisles not required to comply with 904.3 shall not be required to comply with 902.

Advisory 226.1 General. In facilities covered by the ADA, this requirement does not apply to work surfaces used only by employees. However, employers should consider work surfaces that are flexible and permit installation at variable heights and clearances.

226.2 Dispersion. Dining surfaces and work surfaces required to comply with 902 shall be dispersed throughout the space or facility containing dining surfaces and work surfaces.

302 FLOOR OR GROUND SURFACE

Areas of sport activity shall not be required to comply with 302.

302.1 General. Floor and ground surfaces shall be stable, firm, and slip resistant and shall comply with 302.

EXCEPTIONS:

safe ambulation.

Within animal containment areas, floor and ground surfaces shall not be required to be stable.

Advisory 302.1 General. A stable surface is one that remains unchanged by contaminants or applied force, so that when the contaminant or force is removed, the surface returns to its original condition. A firm surface resists deformation by either indentations or particles moving on its surface. A slip-

resistant surface provides sufficient frictional counterforce to the forces exerted in walking to permit

304 TURNING SPACE

304.1 General. Turning space shall comply with 304.

304.2 Floor or Ground Surfaces. Floor or ground surfaces of a turning space shall comply with 302. Changes in level are not permitted.

EXCEPTION: Slopes not steeper than 1:48 shall be permitted.

Advisory 304.2 Floor or Ground Surface Exception. As used in this section, the phrase "changes in level" refers to surfaces with slopes and to surfaces with abrupt rise exceeding that permitted in Section 303.3. Such changes in level are prohibited in required clear floor and ground spaces, turning spaces, and in similar spaces where people using wheelchairs and other mobility devices must park their mobility aids such as in wheelchair spaces, or maneuver to use elements such as at doors. fixtures, and telephones. The exception permits slopes not steeper than 1:48.

304.3 Size. Turning space shall comply with 304.3.1 or 304.3.2.

304.3.1 Circular Space. The turning space shall be a space of 60 inches (1525 mm) diameter minimum. The space shall be permitted to include knee and toe clearance complying with 306.

304.3.2 T-Shaped Space. The turning space shall be a T-shaped space within a 60 inch (1525 mm) square minimum with arms and base 36 inches (915 mm) wide minimum. Each arm of the T shall be clear of obstructions 12 inches (305 mm) minimum in each direction and the base shall be clear of obstructions 24 inches (610 mm) minimum. The space shall be permitted to include knee and toe clearance complying with 306 only at the end of either the base or one arm.

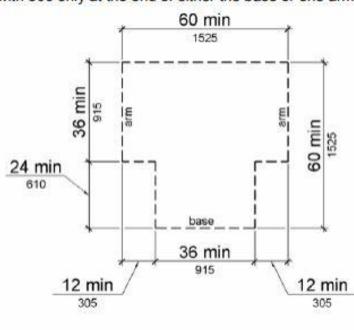


Figure 304.3.2 T-Shaped Turning Space

304.4 Door Swing. Doors shall be permitted to swing into turning spaces.

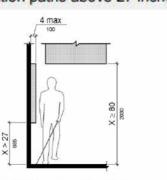
307 PROTRUDING OBJECTS

307.1 General. Protruding objects shall comply with 307.

307.2 Protrusion Limits. Objects with leading edges more than 27 inches (685 mm) and not more than 80 inches (2030 mm) above the finish floor or ground shall protrude 4 inches (100 mm) maximum horizontally into the circulation path.

EXCEPTION: Handrails shall be permitted to protrude 4 1/2 inches (115 mm) maximum.

Advisory 307.2 Protrusion Limits. When a cane is used and the element is in the detectable range, it gives a person sufficient time to detect the element with the cane before there is body contact. Elements located on circulation paths, including operable elements, must comply with requirements for protruding objects. For example, awnings and their supporting structures cannot reduce the minimum required vertical clearance. Similarly, casement windows, when open, cannot encroach more than 4 inches (100 mm) into circulation paths above 27 inches (685 mm).



308 REACH RANGES

308.1 General. Reach ranges shall comply with 308.

Advisory 308.1 General. The following table provides guidance on reach ranges for children according to age where building elements such as coat hooks, lockers, or operable parts are designed for use primarily by children. These dimensions apply to either forward or side reaches. Accessible elements and operable parts designed for adult use or children over age 12 can be located outside these ranges but must be within the adult reach ranges required by 308. Children's Reach Ranges

Ages 3 and 4	Ages 5 through 8	Ages 9 through 12
36 in (915 mm)	40 in (1015 mm)	44 in (1120 mm)
20 in (510 mm)	18 in (455 mm)	16 in (405 mm)
	Ages 3 and 4 36 in (915 mm)	36 in (915 mm) 40 in (1015 mm)

308.2 Forward Reach.

308.2.1 Unobstructed. Where a forward reach is unobstructed, the high forward reach shall be 48 inches (1220 mm) maximum and the low forward reach shall be 15 inches (380 mm) minimum above the finish floor or ground.

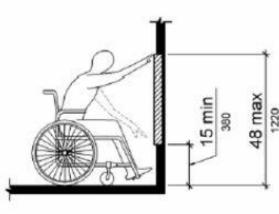


Figure 308.2.1 Unobstructed Forward Reach

308.2.2 Obstructed High Reach. Where a high forward reach is over an obstruction, the clear floor space shall extend beneath the element for a distance not less than the required reach depth over the obstruction. The high forward reach shall be 48 inches (1220 mm) maximum where the reach depth is 20 inches (510 mm) maximum. Where the reach depth exceeds 20 inches (510 mm), the high forward reach shall be 44 inches (1120 mm) maximum and the reach depth shall be 25 inches (635 mm) maximum.

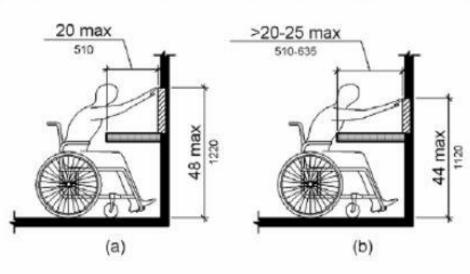


Figure 308.2.2 Obstructed High Forward Reach

308.3 Side Reach.

308.3.1 Unobstructed. Where a clear floor or ground space allows a parallel approach to an element and the side reach is unobstructed, the high side reach shall be 48 inches (1220 mm) maximum and the low side reach shall be 15 inches (380 mm) minimum above the finish floor or ground.

1. An obstruction shall be permitted between the clear floor or ground space and the element where the depth of the obstruction is 10 inches (255 mm) maximum.

2. Operable parts of fuel dispensers shall be permitted to be 54 inches (1370 mm) maximum measured from the surface of the vehicular way where fuel dispensers are installed on existing

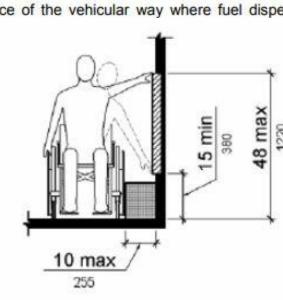


Figure 308.3.1 Unobstructed Side Reach

308.3.2 Obstructed High Reach. Where a clear floor or ground space allows a parallel approach to an element and the high side reach is over an obstruction, the height of the obstruction shall be 34 inches (865 mm) maximum and the depth of the obstruction shall be 24 inches (610 mm) maximum. The high side reach shall be 48 inches (1220 mm) maximum for a reach depth of 10 inches (255 mm) maximum. Where the reach depth exceeds 10 inches (255 mm), the high side reach shall be 46 inches (1170 mm) maximum for a reach depth of 24 inches (610 mm) maximum.

EXCEPTIONS:

1. The top of washing machines and clothes dryers shall be permitted to be 36 inches (915 mm) maximum above the finish floor.

2. Operable parts of fuel dispensers shall be permitted to be 54 inches (1370 mm) maximum measured from the surface of the vehicular way where fuel dispensers are installed on existing

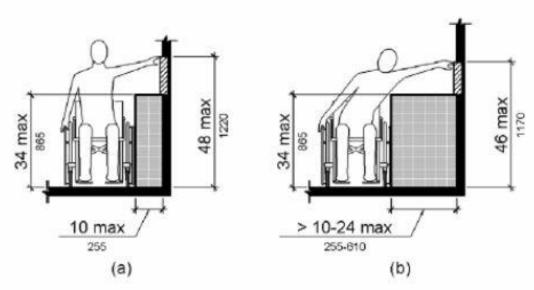


Figure 308.3.2 Obstructed High Side Reach

309 OPERABLE PARTS

309.1 General. Operable parts shall comply with 309.

309.2 Clear Floor Space. A clear floor or ground space complying with 305 shall be provided. **309.3 Height.** Operable parts shall be placed within one or more of the reach ranges specified in

309.4 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate opeable parts shall be 5

EXCEPTION: Gas pump nozzles shall not be required to provide operable parts that

403 WALKING SURFACES

have an activating force of 5 pounds (22.2 N) maximum.

403.1 General. Walking surfaces that are a part of an accessible route shall comply with 403.

403.2 Floor or Ground Surface. Floor or ground surfaces shall comply with 302.

403.3 Slope. The running slope of walking surfaces shall not be steeper than 1:20. The cross slope of walking surfaces shall not be steeper than 1:48.

403.4 Changes in Level. Changes in level shall comply with 303.

403.5 Clearances. Walking surfaces shall provide clearances complying with 403.5.

EXCEPTION: Within employee work areas, clearances on common use circulation paths shall be permitted to be decreased by work area equipment provided that the decrease is essential to the function of the work being performed.

403.5.1 Clear Width. Except as provided in 403.5.2 and 403.5.3, the clear width of walking surfaces shall be 36 inches (915 mm) minimum.

EXCEPTION: The clear width shall be permitted to be reduced to 32 inches (815 mm) minimum for a length of 24 inches (610 mm) maximum provided that reduced width segments are separated by segments that are 48 inches (1220 mm) long minimum and 36 inches (915 mm) wide minimum.

403.5.2 Clear Width at Turn. Where the accessible route makes a 180 degree turn around an element which is less than 48 inches (1220 mm) wide, clear width shall be 42 inches (1065 mm) minimum approaching the turn, 48 inches (1220 mm) minimum at the turn and 42 inches (1065 mm) minimum leaving the turn.

EXCEPTION: Where the clear width at the turn is 60 inches (1525 mm) minimum compliance with 403.5.2 shall not be required.

404 DOORS, DOORWAYS, AND GATES

Figure 404.2.6 Doors in Series and Gates in Series

404.2.7 Door and Gate Hardware. Handles, pulls, latches, locks, and other operable parts on doors and gates shall comply with 309.4. Operable parts of such hardware shall be 34 inches (865 mm) minimum and 48 inches (1220 mm) maximum above the finish floor or ground. Where sliding doors are in the fully open position, operating hardware shall be exposed and usable from both sides.

1. Existing locks shall be permitted in any location at existing glazed doors without stiles, existing overhead rolling doors or grilles, and similar existing doors or grilles that are designed with locks that are activated only at the top or bottom rail.

2. Access gates in barrier walls and fences protecting pools, spas, and hot tubs shall be permitted to have operable parts of the release of latch on self-latching devices at 54 inches (1370 mm) maximum above the finish floor or ground provided the self-latching devices are not also selflocking devices and operated by means of a key, electronic opener, or integral combination lock.

Advisory 404.2.7 Door and Gate Hardware. Door hardware that can be operated with a closed fist or a loose grip accommodates the greatest range of users. Hardware that requires simultaneous hand and finger movements require greater dexterity and coordination, and is not recommended.

404.2.8 Closing Speed. Door and gate closing speed shall comply with 404.2.8.

404.2.8.1 Door Closers and Gate Closers. Door closers and gate closers shall be adjusted so that from an open position of 90 degrees, the time required to move the door to a position of 12 degrees from the latch is 5 seconds minimum.

404.2.8.2 Spring Hinges. Door and gate spring hinges shall be adjusted so that from the open position of 70 degrees, the door or gate shall move to the closed position in 1.5 seconds minimum.

404.2.9 Door and Gate Opening Force. Fire doors shall have a minimum opening force allowable by the appropriate administrative authority. The force for pushing or pulling open a door or gate other than fire doors shall be as follows:

Interior hinged doors and gates: 5 pounds (22.2 N) maximum.

Sliding or folding doors: 5 pounds (22.2 N) maximum.

These forces do not apply to the force required to retract latch bolts or disengage other devices that hold the door or gate in a closed position.

Advisory 404.2.9 Door and Gate Opening Force. The maximum force pertains to the continuous

application of force necessary to fully open a door, not the initial force needed to overcome the inertia of the door. It does not apply to the force required to retract bolts or to disengage other devices used to keep the door in a closed position.

404.2.10 Door and Gate Surfaces. Swinging door and gate surfaces within 10 inches (255 mm) of the finish floor or ground measured vertically shall have a smooth surface on the push side extending the full width of the door or gate. Parts creating horizontal or vertical joints in these surfaces shall be within 1/16 inch (1.6 mm) of the same plane as the other. Cavities created by added kick plates shall be capped.

EXCEPTIONS:

Sliding doors shall not be required to comply with 404.2.10.

2. Tempered glass doors without stiles and having a bottom rail or shoe with the top leading edge tapered at 60 degrees minimum from the horizontal shall not be required to meet the 10 inch (255 mm) bottom smooth surface height requirement.

3. Doors and gates that do not extend to within 10 inches (255 mm) of the finish floor or ground shall not be required to comply with 404.2.10.

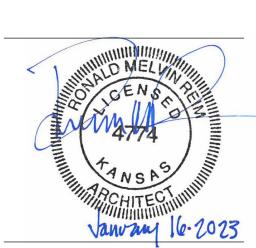
4. Existing doors and gates without smooth surfaces within 10 inches (255 mm) of the finish floor or ground shall not be required to provide smooth surfaces complying with 404.2.10 provided that if added kick plates are installed, cavities created by such kick plates are capped.





These drawings/specifications are the property of Oculus Inc. They are urnished as contract documents only. The seal(s) and signature(s) apply only to the document to which they are affixed, and expressly disclaim any responsibility for all other plans, specifications, estimates, reports or other parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty or certification relating to the performance of products and materials beyond

those provided by their respective manufacturer.



ISSUE FOR PERMIT

Client Approval

ACCESSIBILITY STANDARDS

43422-KS04

01/16/2023

Project#

Checked by

EXCEPTION: Vision lights with the lowest part more than 66 inches (1675 mm) from the finish floor or ground shall not be required to comply with 404.2.11.

404.3 Automatic and Power-Assisted Doors and Gates. Automatic doors and automatic gates shall comply with 404.3. Full-powered automatic doors shall comply with ANSI/BHMA A156.10 (incorporated by reference, see "Referenced Standards" in Chapter 1). Low-energy and power-assisted doors shall comply with ANSI/BHMA A156.19 (1997 or 2002 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1).

404.3.1 Clear Width. Doorways shall provide a clear opening of 32 inches (815 mm) minimum in power-on and power-off mode. The minimum clear width for automatic door systems in a doorway shall be based on the clear opening provided by all leaves in the open position.

603 TOILET AND BATHING ROOMS

603.1 General. Toilet and bathing rooms shall comply with 603.

603.2 Clearances. Clearances shall comply with 603.2.

603.2.1 Turning Space. Turning space complying with 304 shall be provided within the room.

603.2.2 Overlap. Required clear floor spaces, clearance at fixtures, and turning space shall be permitted to overlap.

603.2.3 Door Swing. Doors shall not swing into the clear floor space or clearance required for any fixture. Doors shall be permitted to swing into the required turning space.

EXCEPTIONS:

1. Doors to a toilet room or bathing room for a single occupant accessed only through a private office and not for common use or public use shall be permitted to swing into the clear floor space or clearance provided the swing of the door can be reversed to comply with 603.2.3.

2. Where the toilet room or bathing room is for individual use and a clear floor space complying with 305.3 is provided within the room beyond the arc of the door swing, doors shall be permitted to swing into the clear floor space or clearance required for any fixture.

Advisory 603.2.3 Door Swing Exception 1. At the time the door is installed, and if the door swing is reversed in the future, the door must meet all the requirements specified in 404. Additionally, the door swing cannot reduce the required width of an accessible route. Also, avoid violating other building or life safety codes when the door swing is reversed.

603.3 Mirrors. Mirrors located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 40 inches (1015 mm) maximum above the finish floor or ground. Mirrors not located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 35 inches (890 mm) maximum above the finish floor or ground.

Advisory 603.3 Mirrors. A single full-length mirror can accommodate a greater number of people, including children. In order for mirrors to be usable by people who are ambulatory and people who use wheelchairs, the top edge of mirrors should be 74 inches (1880 mm) minimum from the floor or ground.

603.4 Coat Hooks and Shelves. Coat hooks shall be located within one of the reach ranges specified in 308. Shelves shall be located 40 inches (1015 mm) minimum and 48 inches (1220 mm) maximum above the finish floor.

1604 WATER CLOSETS AND TOILET COMPARTMENTS

604.1 General. Water closets and toilet compartments shall comply with 604.2 through 604.8.

EXCEPTION: Water closets and toilet compartments for children's use shall be permitted to comply with 604.9.

604.2 Location. The water closet shall be positioned with a wall or partition to the rear and to one side. The centerline of the water closet shall be 16 inches (405 mm) minimum to 18 inches (455 mm) maximum from the side wall or partition, except that the water closet shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum from the side wall or partition in the ambulatory accessible toilet compartment specified in 604.8.2. Water closets shall be arranged for a left-hand or right-hand approach.

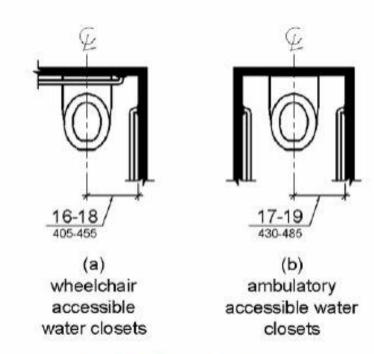


Figure 604.2 Water Closet Location

604.3 Clearance. Clearances around water closets and in toilet compartments shall comply with

604.3.1 Size. Clearance around a water closet shall be 60 inches (1525 mm) minimum measured perpendicular from the side wall and 56 inches (1420 mm) minimum measured perpendicular from the rear wall.

604 WATER CLOSETS AND TOILET COMPARTMENTS

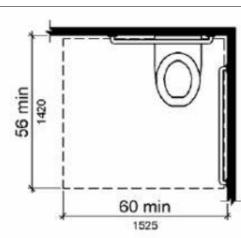


Figure 604.3.1 Size of Clearance at Water Closets

604.3.2 Overlap. The required clearance around the water closet shall be permitted to overlap the water closet, associated grab bars, dispensers, sanitary napkin disposal units, coat hooks, shelves, accessible routes, clear floor space and clearances required at other fixtures, and the turning space. No other fixtures or obstructions shall be located within the required water closet clearance.

EXCEPTION: In residential dwelling units, a lavatory complying with 606 shall be permitted on the rear wall 18 inches (455 mm) minimum from the water closet centerline where the clearance at the water closet is 66 inches (1675 mm) minimum measured perpendicular from the rear wall.

Advisory 604.3.2 Overlap. When the door to the toilet room is placed directly in front of the water closet, the water closet cannot overlap the required maneuvering clearance for the door inside the

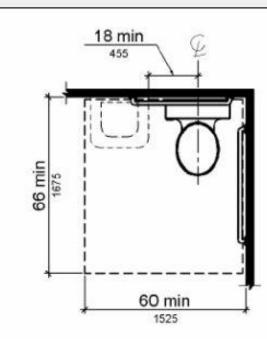


Figure 604.3.2 (Exception) Overlap of Water Closet Clearance in Residential Dwelling Units

604.4 Seats. The seat height of a water closet above the finish floor shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum measured to the top of the seat. Seats shall not be sprung to return to a lifted position.

EXCEPTIONS:

1. A water closet in a toilet room for a single occupant accessed only through a private office and not for common use or public use shall not be required to comply with 604.4.

2. In residential dwelling units, the height of water closets shall be permitted to be 15 inches (380 mm) minimum and 19 inches (485 mm) maximum above the finish floor measured to the top of the

604.5 Grab Bars. Grab bars for water closets shall comply with 609. Grab bars shall be provided on the side wall closest to the water closet and on the rear wall.

EXCEPTIONS:

1. Grab bars shall not be required to be installed in a toilet room for a single occupant accessed only through a private office and not for common use or public use provided that reinforcement has been installed in walls and located so as to permit the installation of grab bars complying with

2. In residential dwelling units, grab bars shall not be required to be installed in toilet or bathrooms provided that reinforcement has been installed in walls and located so as to permit the installation of grab bars complying with 604.5.

 In detention or correction facilities, grab bars shall not be required to be installed in housing or holding cells that are specially designed without protrusions for purposes of suicide prevention.

Advisory 604.5 Grab Bars Exception 2. Reinforcement must be sufficient to permit the installation of rear and side wall grab bars that fully meet all accessibility requirements including, but not limited to, required length, installation height, and structural strength.

604.5.1 Side Wall. The side wall grab bar shall be 42 inches (1065 mm) long minimum, located 12 inches (305 mm) maximum from the rear wall and extending 54 inches (1370 mm) minimum from the rear wall.

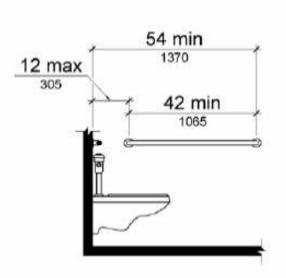


Figure 604.5.1 Side Wall Grab Bar at Water Closets

604.5.2 Rear Wall. The rear wall grab bar shall be 36 inches (915 mm) long minimum and extend from the centerline of the water closet 12 inches (305 mm) minimum on one side and 24 inches (610 mm) minimum on the other side.

EXCEPTIONS:

1. The rear grab bar shall be permitted to be 24 inches (610 mm) long minimum, centered on the water closet, where wall space does not permit a length of 36 inches (915 mm) minimum due to the location of a recessed fixture adjacent to the water closet.

2. Where an administrative authority requires flush controls for flush valves to be located in a position that conflicts with the location of the rear grab bar, then the rear grab bar shall be permitted to be split or shifted to the open side of the toilet area.

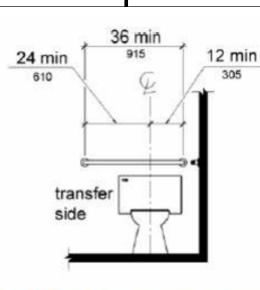


Figure 604.5.2 Rear Wall Grab Bar at Water Closets

604.6 Flush Controls. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with 309. Flush controls shall be located on the open side of the water closet except in ambulatory accessible compartments complying with 604.8.2.

Advisory 604.6 Flush Controls. If plumbing valves are located directly behind the toilet seat, flush valves and related plumbing can cause injury or imbalance when a person leans back against them. To prevent causing injury or imbalance, the plumbing can be located behind walls or to the side of the toilet; or if approved by the local authority having jurisdiction, provide a toilet seat lid.

604.7 Dispensers. Toilet paper dispensers shall comply with 309.4 and shall be 7 inches (180 mm) minimum and 9 inches (230 mm) maximum in front of the water closet measured to the centerline of the dispenser. The outlet of the dispenser shall be 15 inches (380 mm) minimum and 48 inches (1220 mm) maximum above the finish floor and shall not be located behind grab bars. Dispensers shall not be of a type that controls delivery or that does not allow continuous paper flow.

Advisory 604.7 Dispensers. If toilet paper dispensers are installed above the side wall grab bar, the outlet of the toilet paper dispenser must be 48 inches (1220 mm) maximum above the finish floor and the top of the gripping surface of the grab bar must be 33 inches (840 mm) minimum and 36 inches (915 mm) maximum above the finish floor.

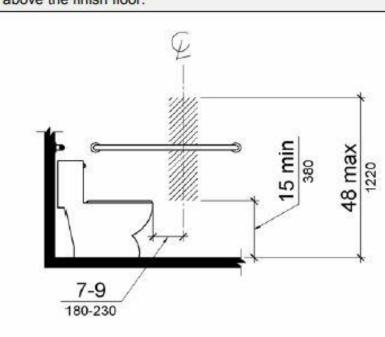


Figure 604.7 Dispenser Outlet Location

604.8 Toilet Compartments. Wheelchair accessible toilet compartments shall meet the requirements of 604.8.1 and 604.8.3. Compartments containing more than one plumbing fixture shall comply with 603. Ambulatory accessible compartments shall comply with 604.8.2 and 604.8.3.

604.8.1 Wheelchair Accessible Compartments. Wheelchair accessible compartments shall comply with 604.8.1

604.8.1.1 Size. Wheelchair accessible compartments shall be 60 inches (1525 mm) wide minimum measured perpendicular to the side wall, and 56 inches (1420 mm) deep minimum for wall hung water closets and 59 inches (1500 mm) deep minimum for floor mounted water closets measured perpendicular to the rear wall. Wheelchair accessible compartments for children's use shall be 60 inches (1525 mm) wide minimum measured perpendicular to the side wall, and 59 inches (1500 mm) deep minimum for wall hung and floor mounted water closets measured perpendicular to the rear wall

Advisory 604.8.1.1 Size. The minimum space required in toilet compartments is provided so that a person using a wheelchair can maneuver into position at the water closet. This space cannot be obstructed by baby changing tables or other fixtures or conveniences, except as specified at 604.3.2 (Overlap). If toilet compartments are to be used to house fixtures other than those associated with the water closet, they must be designed to exceed the minimum space requirements. Convenience fixtures such as baby changing tables must also be accessible to people with disabilities as well as to other users. Toilet compartments that are designed to meet, and not exceed, the minimum space requirements may not provide adequate space for maneuvering into position at a baby changing table.

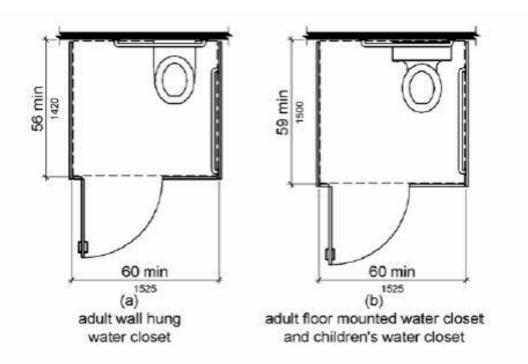


Figure 604.8.1.1 Size of Wheelchair Accessible Toilet Compartment

604.8.1.2 Doors. Toilet compartment doors, including door hardware, shall comply with 404 except that if the approach is to the latch side of the compartment door, clearance between the door side of the compartment and any obstruction shall be 42 inches (1065 mm) minimum. Doors shall be located in the front partition or in the side wall or partition farthest from the water closet. Where located in the front partition, the door opening shall be 4 inches (100 mm) maximum from the side wall or partition farthest from the water closet. Where located in the side wall or partition, the door opening shall be 4 inches (100 mm) maximum from the front partition. The door shall be self-closing. A door pull complying with 404.2.7 shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the minimum required compartment area.

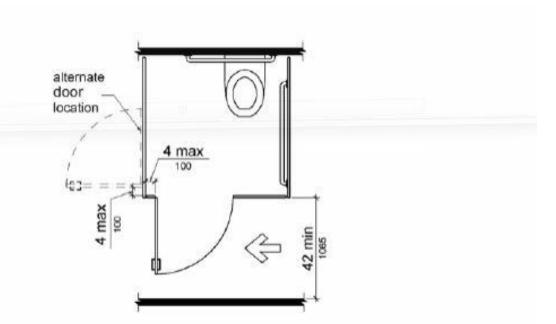


Figure 604.8.1.2 Wheelchair Accessible Toilet Compartment Doors

604.8.1.3 Approach. Compartments shall be arranged for left-hand or right-hand approach to the

604.8.1.4 Toe Clearance. The front partition and at least one side partition shall provide a toe clearance of 9 inches (230 mm) minimum above the finish floor and 6 inches (150 mm) deep minimum beyond the compartment-side face of the partition, exclusive of partition support members. Compartments for children's use shall provide a toe clearance of 12 inches (305 mm) minimum above the finish floor.

EXCEPTION: Toe clearance at the front partition is not required in a compartment greater than 62 inches (1575 mm) deep with a wall-hung water closet or 65 inches (1650 mm) deep with a floor-mounted water closet. Toe clearance at the side partition is not required in a compartment greater than 66 inches (1675 mm) wide. Toe clearance at the front partition is not required in a compartment for children's use that is greater than 65 inches (1650 mm) deep.

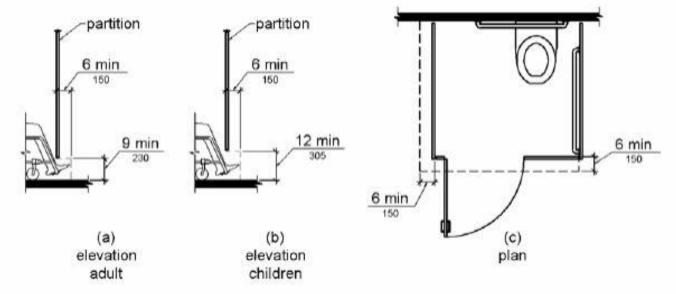


Figure 604.8.1.4 Wheelchair Accessible Toilet Compartment Toe Clearance

604.8.1.5 Grab Bars. Grab bars shall comply with 609. A side-wall grab bar complying with 604.5.1 shall be provided and shall be located on the wall closest to the water closet. In addition, a rear-wall grab bar complying with 604.5.2 shall be provided.

604.8.2 Ambulatory Accessible Compartments. Ambulatory accessible compartments shall comply with 604.8.2.

604.8.2.1 Size. Ambulatory accessible compartments shall have a depth of 60 inches (1525 mm) minimum and a width of 35 inches (890 mm) minimum and 37 inches (940 mm) maximum.

604.8.2.2 Doors. Toilet compartment doors, including door hardware, shall comply with 404, except that if the approach is to the latch side of the compartment door, clearance between the door side of the compartment and any obstruction shall be 42 inches (1065 mm) minimum. The door shall be self-closing. A door pull complying with 404.2.7 shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the minimum required compartment area.

605 URINALS

605.1 General. Urinals shall comply with 605.

Advisory 605.1 General. Stall-type urinals provide greater accessibility for a broader range of persons, including people of short stature.

605.2 Height and Depth. Urinals shall be the stall-type or the wall-hung type with the rim 17 inches (430 mm) maximum above the finish floor or ground. Urinals shall be 13 1/2 inches (345 mm) deep minimum measured from the outer face of the urinal rim to the back of the fixture.

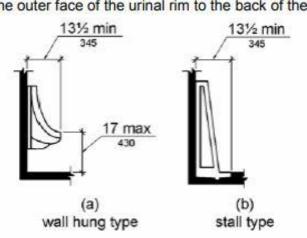


Figure 605.2 Height and Depth of Urinals

605.3 Clear Floor Space. A clear floor or ground space complying with 305 positioned for forward approach shall be provided.

605.4 Flush Controls. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with 309.

606 LAVATORIES AND SINKS

606.1 General. Lavatories and sinks shall comply with 606.

Advisory 606.1 General. If soap and towel dispensers are provided, they must be located within the reach ranges specified in 308. Locate soap and towel dispensers so that they are conveniently usable by a person at the accessible lavatory.

606.2 Clear Floor Space. A clear floor space complying with 305, positioned for a forward approach, and knee and toe clearance complying with 306 shall be provided.





VILLAGE
7628 State Line Road, Unit 10

Description

These drawings/specifications are the property of Oculus Inc. They are furnished as contract documents only. The seal(s) and signature(s) apply only to the document to which they are affixed, and expressly disclaim any responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty or

certification relating to the performance of products and materials beyond

those provided by their respective manufacturer.



ISSUE FOR PERMIT

Client Approval

ACCESSIBILITY STANDARDS

 Project #
 43422-KS04

 Issue Date
 01/16/2023

 Scale
 01/16/2023

Drawn by

Checked by

A0.5

A lavatory in a toilet room or bathing facility for a single occupant accessed only through a private office and not for common use or public use shall not be required to provide knee and toe clearance complying with 306.

3. In residential dwelling units, cabinetry shall be permitted under lavatories and kitchen sinks provided that all of the following conditions are met:

(a) the cabinetry can be removed without removal or replacement of the fixture;

(b) the finish floor extends under the cabinetry; and

(c) the walls behind and surrounding the cabinetry are finished.

4. A knee clearance of 24 inches (610 mm) minimum above the finish floor or ground shall be permitted at lavatories and sinks used primarily by children 6 through 12 years where the rim or counter surface is 31 inches (785 mm) maximum above the finish floor or ground.

5. A parallel approach complying with 305 shall be permitted to lavatories and sinks used primarily by children 5 years and younger.

The dip of the overflow shall not be considered in determining knee and toe clearances.

7. No more than one bowl of a multi-bowl sink shall be required to provide knee and toe clearance complying with 306.

606.3 Height. Lavatories and sinks shall be installed with the front of the higher of the rim or counter surface 34 inches (865 mm) maximum above the finish floor or ground.

EXCEPTIONS:

1. A lavatory in a toilet or bathing facility for a single occupant accessed only through a private office and not for common use or public use shall not be required to comply with 606.3.

2. In residential dwelling unit kitchens, sinks that are adjustable to variable heights, 29 inches (735) mm) minimum and 36 inches (915 mm) maximum, shall be permitted where rough-in plumbing permits connections of supply and drain pipes for sinks mounted at the height of 29 inches (735

606.4 Faucets. Controls for faucets shall comply with 309. Hand-operated metering faucets shall remain open for 10 seconds minimum.

606.5 Exposed Pipes and Surfaces. Water supply and drain pipes under lavatories and sinks shall be insulated or otherwise configured to protect against contact. There shall be no sharp or abrasive surfaces under lavatories and sinks

609 GRAB BARS

609.1 General. Grab bars in toilet facilities and bathing facilities shall comply with 609.

609.2 Cross Section. Grab bars shall have a cross section complying with 609.2.1 or 609.2.2.

609.2.1 Circular Cross Section. Grab bars with circular cross sections shall have an outside diameter of 1 1/4 inches (32 mm) minimum and 2 inches (51 mm) maximum.

609.2.2 Non-Circular Cross Section. Grab bars with non-circular cross sections shall have a crosssection dimension of 2 inches (51 mm) maximum and a perimeter dimension of 4 inches (100 mm) minimum and 4.8 inches (120 mm) maximum.

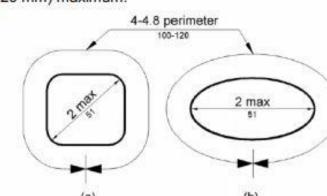


Figure 609.2.2 Grab Bar Non-Circular Cross Section

609.3 Spacing. The space between the wall and the grab bar shall be 1 1/2 inches (38 mm). The space between the grab bar and projecting objects below and at the ends shall be 1 1/2 inches (38 mm) minimum. The space between the grab bar and projecting objects above shall be 12 inches (305

EXCEPTION: The space between the grab bars and shower controls, shower fittings, and other grab bars above shall be permitted to be 1 1/2 inches (38 mm) minimum.

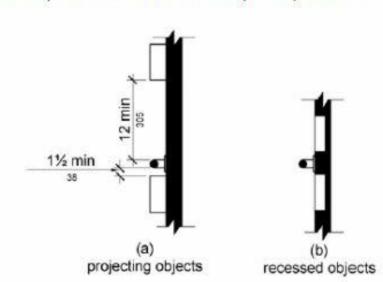


Figure 609.3 Spacing of Grab Bars

609.4 Position of Grab Bars. Grab bars shall be installed in a horizontal position, 33 inches (840 mm) minimum and 36 inches (915 mm) maximum above the finish floor measured to the top of the gripping surface, except that at water closets for children's use complying with 604.9, grab bars shall be installed in a horizontal position 18 inches (455 mm) minimum and 27 inches (685 mm) maximum above the finish floor measured to the top of the gripping surface. The height of the lower grab bar on the back wall of a bathtub shall comply with 607.4.1.1 or 607.4.2.1.

609.5 Surface Hazards. Grab bars and any wall or other surfaces adjacent to grab bars shall be free of sharp or abrasive elements and shall have rounded edges.

609.6 Fittings. Grab bars shall not rotate within their fittings.

609.7 Installation. Grab bars shall be installed in any manner that provides a gripping surface at the specified locations and that does not obstruct the required clear floor space.

609.8 Structural Strength. Allowable stresses shall not be exceeded for materials used when a vertical or horizontal force of 250 pounds (1112 N) is applied at any point on the grab bar, fastener, mounting device, or supporting structure.

703 SIGNS

703.1 General. Signs shall comply with 703. Where both visual and tactile characters are required, either one sign with both visual and tactile characters, or two separate signs, one with visual, and one with tactile characters, shall be provided.

703.2 Raised Characters. Raised characters shall comply with 703.2 and shall be duplicated in braille complying with 703.3. Raised characters shall be installed in accordance with 703.4.

703.4 Installation Height and Location. Signs with tactile characters shall comply with 703.4.

703.4.1 Height Above Finish Floor or Ground. Tactile characters on signs shall be located 48 inches (1220 nm) minimum above the finish floor or ground surface, measured from the baseline of the lowest tactile character and 60 inches (1525 mm) maximum above the finish floor or ground surface, measured from the baseline of the highest tactile character.

EXCEPTION: Tactile characters for elevator car controls shall not be required to comply with 703.4.1.

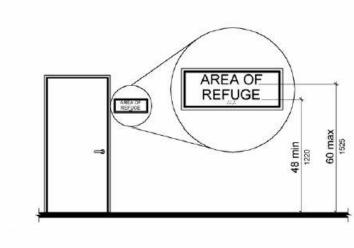


Figure 703.4.1 Height of Tactile Characters Above Finish Floor or Ground

703.4.2 Location. Where a tactile sign is provided at a door, the sign shall be located alongside the door at the latch side. Where a tactile sign is provided at double doors with one active leaf, the sign shall be located on the inactive leaf. Where a tactile sign is provided at double doors with two active leafs, the sign shall be located to the right of the right hand door. Where there is no wall space at the latch side of a single door or at the right side of double doors, signs shall be located on the nearest adjacent wall. Signs containing tactile characters shall be located so that a clear floor space of 18 inches (455 mm) minimum by 18 inches (455 mm) minimum, centered on the tactile characters, is provided beyond the arc of any door swing between the closed position and 45 degree open position.

EXCEPTION: Signs with tactile characters shall be permitted on the push side of doors with closers and without hold-open devices.

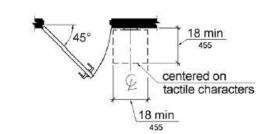


Figure 703.4.2 Location of Tactile Signs at Doors

703.5 Visual Characters. Visual characters shall comply with 703.5.

703.6.1 Pictogram Field. Pictograms shall have a field height of 6 inches (150 mm) minimum. Characters and braille shall not be located in the pictogram field.

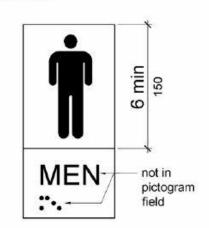


Figure 703.6.1 Pictogram Field

703.7.2 Symbols.

703.7.2.1 International Symbol of Accessibility. The International Symbol of Accessibility shall comply with Figure 703.7.2.1.



Figure 703.7.2.1 International Symbol of Accessibility

902 DINING SURFACES AND WORK SURFACES

902.1 General. Dining surfaces and work surfaces shall comply with 902.2 and 902.3.

EXCEPTION: Dining surfaces and work surfaces for children's use shall be permitted to comply with 902.4.

Advisory 902.1 General. Dining surfaces include, but are not limited to, bars, tables, lunch counters, and booths. Examples of work surfaces include writing surfaces, study carrels, student laboratory stations, baby changing and other tables or fixtures for personal grooming, coupon counters, and where covered by the ABA scoping provisions, employee work stations.

902.2 Clear Floor or Ground Space. A clear floor space complying with 305 positioned for a forward approach shall be provided. Knee and toe clearance complying with 306 shall be provided.

902.3 Height. The tops of dining surfaces and work surfaces shall be 28 inches (710 mm) minimum and 34 inches (865 mm) maximum above the finish floor or ground.

902.4 Dining Surfaces and Work Surfaces for Children's Use. Accessible dining surfaces and work surfaces for children's use shall comply with 902.4.

EXCEPTION: Dining surfaces and work surfaces that are used primarily by children 5 years and younger shall not be required to comply with 902.4 where a clear floor or ground space complying with 305 positioned for a parallel approach is provided.

902.4.1 Clear Floor or Ground Space. A clear floor space complying with 305 positioned for forward approach shall be provided. Knee and toe clearance complying with 306 shall be provided, except that knee clearance 24 inches (610 mm) minimum above the finish floor or ground shall be permitted.

902.4.2 Height. The tops of tables and counters shall be 26 inches (660 mm) minimum and 30 inches (760 mm) maximum above the finish floor or ground.

903 BENCHES

903.1 General. Benches shall comply with 903.

903.2 Clear Floor or Ground Space. Clear floor or ground space complying with 305 shall be provided and shall be positioned at the end of the bench seat and parallel to the short axis of the bench.

903.3 Size. Benches shall have seats that are 42 inches (1065 mm) long minimum and 20 inches (510 mm) deep minimum and 24 inches (610 mm) deep maximum.

903.4 Back Support. The bench shall provide for back support or shall be affixed to a wall. Back support shall be 42 inches (1065 mm) long minimum and shall extend from a point 2 inches (51 mm) maximum above the seat surface to a point 18 inches (455 mm) minimum above the seat surface. Back support shall be 2 1/2 inches (64 mm) maximum from the rear edge of the seat measured horizontally.

Advisory 903.4 Back Support. To assist in transferring to the bench, consider providing grab bars on a wall adjacent to the bench, but not on the seat back. If provided, grab bars cannot obstruct transfer to the bench.

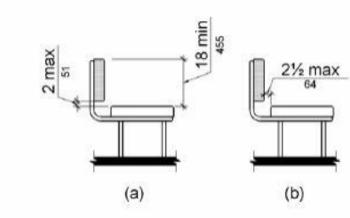


Figure 903.4 Bench Back Support

903.5 Height. The top of the bench seat surface shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum above the finish floor or ground.

903.6 Structural Strength. Allowable stresses shall not be exceeded for materials used when a vertical or horizontal force of 250 pounds (1112 N) is applied at any point on the seat, fastener, mounting device, or supporting structure.

903.7 Wet Locations. Where installed in wet locations, the surface of the seat shall be slip resistant and shall not accumulate water.

904 CHECK-OUT AISLES & SALES/SERVICE COUNTER

904.4 Sales and Service Counters. Sales counters and service counters shall comply with 904.4.1 or 904.4.2. The accessible portion of the counter top shall extend the same depth as the sales or service counter top.

EXCEPTION: In alterations, when the provision of a counter complying with 904.4 would result in a reduction of the number of existing counters at work stations or a reduction of the number of existing mail boxes, the counter shall be permitted to have a portion which is 24 inches (610 mm) long minimum complying with 904.4.1 provided that the required clear floor or ground space is centered on the accessible length of the counter.

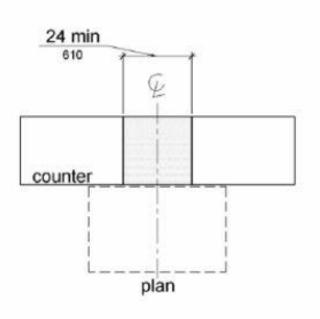


Figure 904.4 (Exception) Alteration of Sales and Service Counters

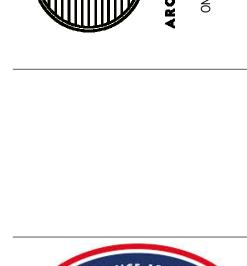
904.4.1 Parallel Approach. A portion of the counter surface that is 36 inches (915 mm) long minimum and 36 inches (915 mm) high maximum above the finish floor shall be provided. A clear floor or ground space complying with 305 shall be positioned for a parallel approach adjacent to the 36 inch (915 mm) minimum length of counter.

EXCEPTION: Where the provided counter surface is less than 36 inches (915 mm) long, the entire counter surface shall be 36 inches (915 mm) high maximum above the finish floor.

904.4.2 Forward Approach. A portion of the counter surface that is 30 inches (760 mm) long minimum and 36 inches (915 mm) high maximum shall be provided. Knee and toe space complying with 306 shall be provided under the counter. A clear floor or ground space complying with 305 shall be positioned for a forward approach to the counter.

904.5 Food Service Lines. Counters in food service lines shall comply with 904.5.

904.5.1 Self-Service Shelves and Dispensing Devices. Self-service shelves and dispensing devices for tableware, dishware, condiments, food and beverages shall comply with 308.



Oculus 0



/ MIKES - PRAIRIE VILLAGE

These drawings/specifications are the property of Oculus Inc. They are urnished as contract documents only. The seal(s) and signature(s) apply only to the document to which they are affixed, and expressly disclaim any responsibility for all other plans, specifications, estimates, reports or other ocuments or instruments relating to or intended to be used for any part or parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty or

certification relating to the performance of products and materials beyond

those provided by their respective manufacturer.



ISSUE FOR PERMIT

Client Approval

ACCESSIBILITY STANDARDS

43422-KS04

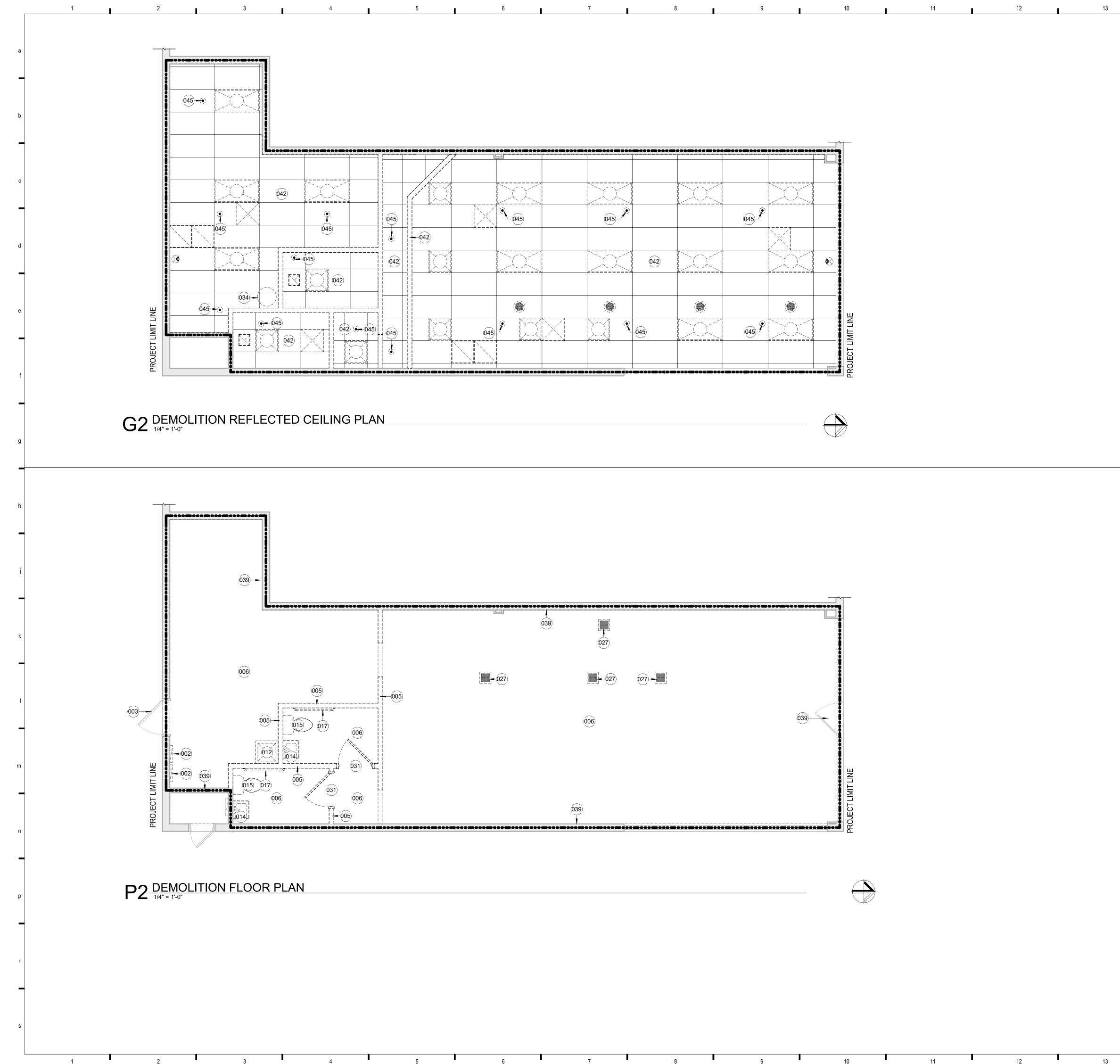
01/16/2023

Project#

Issue Date Scale

Drawn by

Checked by



SHEET NOTES:

- DASHED LINES ON DEMOLITION PLAN REPRESENT ITEMS TO BE
- DEMOLISHED/REMOVED PATCH AND REPAIR REMAINING EXISTING PARTITIONS THAT ARE DAMAGED
- BY DEMOLITION
- PREPARE ALL SURFACES TO RECEIVE NEW FINISHES AS SCHEDULED. LEVEL FLOOR AS REQUIRED.
- REMOVE AND CAP OFF ANY ELECTRICAL OUTLETS, TELEPHONE AND COMMUNICATION LINES, AND PLUMBING LINES WHICH OCCUR IN WALLS WHICH ARE BEING REMOVED AS SHOWN DASHED ON PLANS. OPERATION
- OF REMAINING SYSTEMS SHALL CONTINUE UNINTERRUPTED. IF PLUMBING, WATER, WASTE OR VENT PIPES ARE ENCOUNTERED IN WALL SCHEDULED TO BE REMOVED, AND PIPE IS SCHEDULED TO BE ABANDONED AS A PART OF THIS WORK, REMOVE SECTION OF PIPES EXPOSED AND CAP OFF PIPE WITH-IN FLOOR, WALLS OR ABOVE CEILING. PATCH FLOOR, WALLS AND CEILING DAMAGED DURING PIPE REMOVAL AND CAPPING. IF PIPE IS NOT SCHEDULED TO BE ABANDONED AS A PART OF THIS WORK, RELOCATE PIPE TO THE NEAREST WALL OR COLUMN AND ENCLOSE IN WALL OR
- COLUMN. GC TO PROTECT EXISTING SUB-GRADE BUILDING UTILITIES FROM DEMOLITION AND RECONNECT NEW SYSTEMS TO EXISTING WHERE
- AVAILABLE. GC SHALL NOTIFY ARCHITECT WHEN DEMOLITION IS COMPLETE AND NEW CONSTRUCTION BEGINS.
- CONTRACTOR TO VERIFY AND MAINTAIN EXISTING FIRE RATINGS OF EXISTING BUILDING COMPONENTS (DOORS, FRAMES, WALLS, ETC). MAINTAIN RATINGS THROUGHOUT NEW/DEMOLITION CONSTRUCTION ACTIVITIES.
- GC TO PROTECT EXISTING CONSTRUCTION DURING DEMOLITION AND CONSTRUCTION PHASES.
- GC TO REFERENCE MECHANICAL, ELECTRICAL, AND PLUMBING ENGINEERED DRAWINGS. NOTIFY ARCHITECT OF ANY DISCREPANCIES
- IF DURING DEMOLITION CONDITIONS ARE REVEALED THAT MAY JEOPARDIZE THE INTEGRITY OF THE STRUCTURE OR PRECLUDE FOLLOWING DRAWINGS, GC TO SHORE STRUCTURES AND NOTIFY ARCHITECT AND OWNER IMMEDIATELY FOR FURTHER INSTRUCTION AND CONSULT OF A STRUCTURAL ENGINEER

KEYNOTES: 🕸

KEYNOTE TEXT

- 002 REMOVE AND RELOCATE SURFACE MOUNTED ELECTRIC PANELS TO NEW LOCATION, REF. ELECTRICAL DRAWINGS
- 003 EXISTING HOLLOW METAL DOOR AND FRAME TO REMAIN.
- EXISTING WALL TO BE DEMOLISHED. PREPARE FLOOR SUBSTRATE FOR INSTALLATION OF NEW FINISHES INDICATED ON SHEET A2.2.
- 006 EXISTING FLOOR FINISHES & WALL BASE TO BE REMOVED. GC TO REPLACE ALL SUBSTRATES THAT ARE TOO DAMAGED AS REQUIRED AND PREPARE SUBSTRATE FOR INSTALLATION OF NEW FINISHES PER MANUFACTURER'S RECOMMENDED INSTALLATION INSTRUCTIONS.
- 012 EXISTING MOP SINK TO BE REMOVED.
- 014 EXISTING LAVATORY TO BE REMOVED.
- 015 EXISTING WATER CLOSET TO BE REMOVED.
- 017 EXISTING GRAB BAR TO BE REMOVED.
- 027 DEMO EXISTING FLOOR SINK UTILITIES 031 DEMO EXISTING DOOR AND TRIM.
- 034 EXISTING HOT WATER HEATER TO BE REMOVED.
- 039 EXISTING STOREFRONT SYSTEM TO REMAIN.

WALL & DOOR LEGEND

INSULATED PARTITION

EXISTING DOOR TO REMAIN

NEW CONSTRUCTION DOOR

RATED PARTITION

EXISTING CONSTRUCTION TO BE DEMOLISHED

LOW PARTITION, SEE SECTIONS FOR HEIGHT

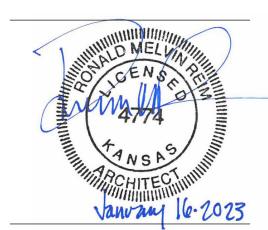
EXISTING CONSTRUCTION TO REMAIN.

- 042 EXISTING CEILING, LIGHTING, DIFFUSERS AND EXHAUST FAN TO BE REMOVED. COORDINATE W/ MECHANICAL FOR REMOVAL OF
- ROOFTOP UNIT. 045 EXISTING SPRINKLER HEADS TO BE REWORKED AS NEEDED FOR NEW LAYOUT. SPRINKLER CONTRACTOR IS RESPONSIBLE FOR PREPARING SPRINKLER DRAWINGS AND PERMITS, NOT IN CONTRACT.



/ MIKES - PRAIRIE VILLAGE

These drawings/specifications are the property of Oculus Inc. They are furnished as contract documents only. The seal(s) and signature(s) apply only to the document to which they are affixed, and expressly disclaim any responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty or certification relating to the performance of products and materials beyond those provided by their respective manufacturer.



ISSUE FOR PERMIT

Client Approval

Drawn by

DEMOLITION PLAN

43422-KS04 Project# 01/16/2023 Issue Date

Scale As indicated

Checked by

SHEET NOTES:

- ALL DOOR OPENINGS PERPENDICULAR TO A WALL ARE 6" FROM THE WALL UON
- GC TO NOTIFY ARCHITECT OF ANY DISCREPENCIES PRIOR TO CONSTRUCTION.
- REFER TO SHEET A0.3 FOR ACCESSIBLE DOOR CLEARANCES
- ALL DIMENSIONS ARE TO FINISH FACE OF GWB UON
- REFERENCE SHEET A6.0 FOR PARTITION TYPES
- SWINGING DOOR AND GATE SURFACES WITHIN 10" OF THE FINISH FLOOR OR GROUND MEASURED VERTICALLY SHALL HAVE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR OR GATE. PARTS CREATING HORIZONTAL OR VERTICAL JOINTS IN THESE SURFACES SHALL BE WITHIN 1/16" OF THE SAME PLANE AS THE OTHER. CAVITIES CREATED BY ADDED KICK PLATES SHALL BE CAPPED ADA 404.2.10
- ACCESSIBLE TABLES SHALL BE POSITIONED FOR A FORWARD APPROACH WITH CLEAR FLOOR SPACE COMPLIANT WITH ADA 305, SHALL BE 28" TO 34" IN HEIGHT TO THE TOP, HAVE 27" MINIMUM HIGH KNEE SPACE AND HAVE KNEE AND TOE CLEARANCE TO MEET ADA 306. ALL FOOD CONDIMENTS, UTENSILS, DRINK DISPENSERS, ETC. SHALL BE LOCATED WITHIN THE REACH RANGES REQUIRED BY ADA AND NO HIGHER THAN 48" ABOVE THE FLOOR.

EXIT DOORS SHALL BE READILY OPERABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR ERROR. DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES ON DOORS SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE.

KEYNOTES: 🕸

KEYNOTE TEXT 016 NEW MOP SINK BASIN, REF. PLUMBING DRAWINGS 051 MILLWORK/CASEWORK BY GC 059 HALF-HEIGHT PARTITION BELOW, SEE SECTIONS 060 RELOCATED SURFACE MOUNTED ELECTRICAL PANELS. REF. ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. 085 PROVIDE FIRE EXTINGUISHER PER IFC SECTION 906. 115 CLOSE OFF CORNERS OF WALK-IN COOLER BOX TO ADJACENT WALLS, USING 16 GA STAINLESS STEEL CLOSURE TRIM, EXTENDING FROM FLOOR TO CEILING.



/ MIKES - PRAIRIE VILLAGE

These drawings/specifications are the property of Oculus Inc. They are furnished as contract documents only. The seal(s) and signature(s) apply only to the document to which they are affixed, and expressly disclaim any responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty or certification relating to the performance of products and materials beyond those provided by their respective manufacturer.



ISSUE FOR PERMIT

Client Approval

ARCHITECTURAL FLOOR PLAN

43422-KS04 Project#

01/16/2023 Issue Date Scale As indicated

JW/AM

Drawn by Checked by

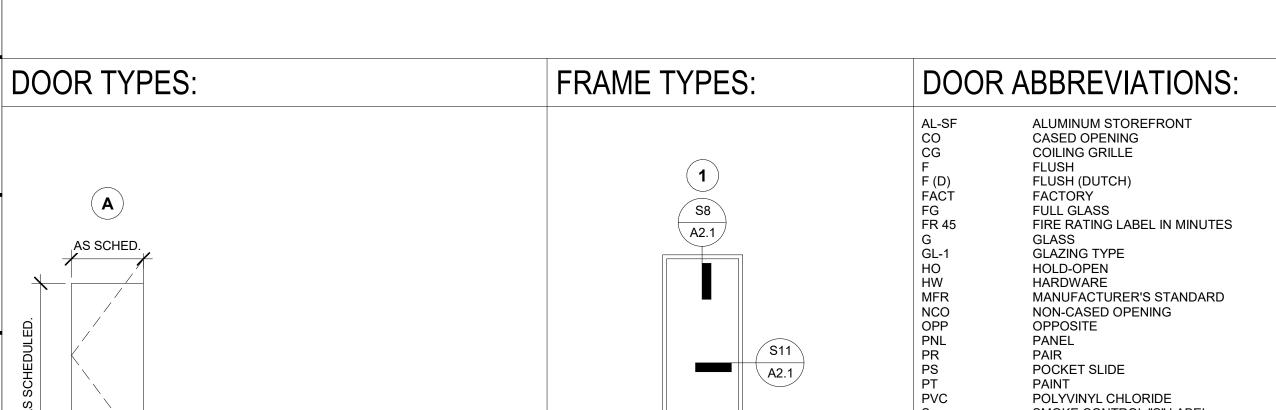
WALL AND DOOR LEGEND

EXISTING CONSTRUCTION TO BE DEMOLISHED EXISTING CONSTRUCTION TO REMAIN.

INSULATED PARTITION

LOW PARTITION, SEE SECTIONS FOR HEIGHT

RATED PARTITION



2" WELDED

H.M. FRAME

PAINT AS

SCHEDULED

DOOR

TYPE

EXIST.

Α

EXIST.

-

MATERIAL

EXIST.

WD-SC

WD-SC

EXIST.

WD-SC

HARDWARE

EXIST.

HW1

HW1

EXIST.

HW1

THICKNESS

0' - 1 3/4"

0' - 1 3/4"

0' - 1 3/4"

0' - 1 3/4"

0' - 6"

0' - 6"

0' - 1 3/4"

FRAME

STL

STL-CC

STL-W

TC

TS

WD

WD-HC

WD-SC

STL-KD

STEEL

WOOD

MATERIAL

EXIST

STL-W

STL-W

EXIST

STL-W

TYPE

EXIST.

EXIST.

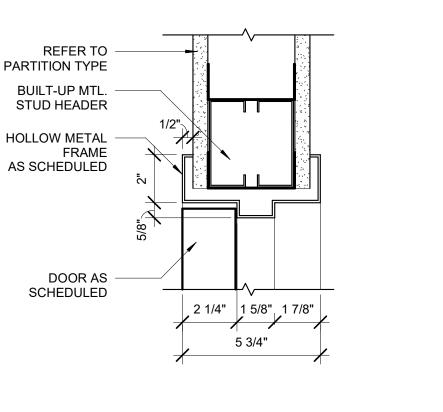
POLYVINYL CHLORIDE SMOKE CONTROL "S" LABEL STEEL COMPOSITE CORE STEEL KNOCK-DOWN STEEL WELDED TEMPERATURE RISE LABEL - DOOR TRANSPARENT FINISH - CLEAR TRANSPARENT FINISH - STAINED S8 DETAIL @ TYP DOOR HEAD WOOD HOLLOW CORE WOOD SOLID CORE

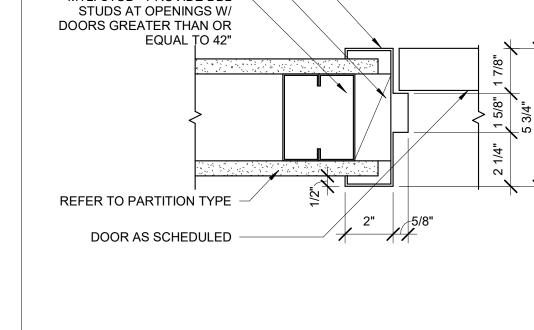
EXISITING DOOR TO REMAIN, GC TO REKEY HW3

EXISTING DOOR TO REMAIN, GC TO REKEY HW3

FINISH DOOR AND FRAME PT-5

FINISH DOOR AND FRAME PT-5





S11 DETAIL @ TYP DOOR JAMB

JAMB ANCHOR CLIP (MIN. 4 PER JAMB) MTL. STUD - PROVIDE DBL

HOLLOW METAL FRAME AS SCHEDULED

EXISTING DOOR TO REMAIN NEW CONSTRUCTION DOOR

HARDWARE HW1 RESTROOM DOORS:

ADA LEVER HARDWARE EQUIV TO SCHLAGE RHODES TURN/PUSH LOCKSET: ANSI F82, GRADE 1, EQUIV TO SCHLAGE ND53PD HARDWARE FINISH: #626 BRUSHED S/S AUTO-CLOSER: ANSI A156.4, GRADE 1, EQUIV TO LCN 4041

WALL-BUMPER: GLYNN-JOHNSON 50C AT HANDLE

PLATES: 8" H x 16 GA FLUSH S/S KICK PLATE AT BOTH SIDES OF DOOR HW2 KITCHEN SERVICE DOOR:

ADA LEVER HARDWARE EQUIV TO SCHLAGE RHODES PASSAGE LOCKSET: ANSI F82, GRADE 1, EQUIV TO SCHLAGE ND10S-RHO HARDWARE FINISH: #626 BRUSHED S/S AUTO-CLOSER: ANSI A156.4, GRADE 1, EQUIV TO LCN 4041

WALL-BUMPER: GLYNN-JOHNSON 50C AT HANDLE PLATES: 8" H x 16 GA FLUSH S/S KICK PLATE AT BOTH SIDES OF DOOR

HW3 STOREFRONT DOORS: ENTRANCE LOCK W/ PANIC EXIT TOUCH PAD FULL WIDTH, EQUIV TO VON DUPRIN SERIES 98

Comments

DOOR PROVIDED BY VENDOR, VISION LIGHT TO BE TEMPERED OR LAMINATED GLASS

DOOR PROVIDED BY VENDOR, VISION LIGHT TO BE TEMPERED OR LAMINATED GLASS

ROLL-THRU ADA SADDLE THRESHOLD AUTO-CLOSER: ANSI A156.4, GRADE 1 EQUIV TO LCN 4041

DOOR SCHEDULE

DOOR # WIDTH HEIGHT

7' - 0"

7' - 0"

7' - 0"

101 | 3' - 0" | 7' - 0"

103 | 3' - 0"

104 3' - 0"

106 | 3' - 0"

107 | 3' - 0"

108 | 3' - 0"

109 | 5' - 0"

BUILDING

STANDARD

FLUSH DOOR

S.C. WD.

FINISH FLOOR NOTES

- NO PAINTING OR INTERIOR FINISHING SHALL BE DONE UNDER CONDITIONS WHICH WILL JEOPARDIZE THE QUALITY OR APPEARANCE OF SUCH WORK. ALL WORKMANSHIP WHICH IS JUDGED LESS THAN FIRST QUALITY BY THE ARCHITECT WILL BE REJECTED. FLAME SPREAD TO BE CLASS I: 0-25. SMOKE DENSITY TO BE LESS THAN 450.
- ALL SURFACES SHALL BE PREPARED TO RECEIVE THE SPECIFIED FINISH. ALL GYPSUM BOARD PARTITIONS SHALL BE TAPED, SPACKLED AND SANDED SMOOTH AND PREPARED TO RECEIVE THE SPECIFIED FINISH
- PROVIDE ONE PRIMER COAT AND 2 FINISH COATS AT ALL PAINTED WALLS.
- SEE FINISH PLAN, ELEVATIONS AND DETAILS FOR CLARIFICATION OF EXTENT OF FINISH MATERIALS.
- ALL VERTICAL SURFACES U.O.N. SHALL RECEIVE WALL BASE.
 CONTRACTOR SHALL BE RESPONSIBLE FOR ALLOWING FOR DELIVERY LEAD TIMES FOR ALL FABRICS AND OTHER CUSTOM FINISHES WITHIN THE CONSTRUCTION SCHEDULE. ALL DELIVERY TIMES MUST BE CONFIRMED, AND ANY EXCESSIVE LEAD TIME MUST BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY TO ALLOW FOR
- RE-SPECIFICATION IF NECESSARY.

 EXAMINE ALL FINISH SURFACES AFTER COMPLETION OF WORK AND
- "TOUCH-UP" AS REQUIRED.

 UPON COMPLETION, REMOVE ALL PAINT FROM WHERE IT HAS SPILLED,
- SPLASHED OR SPLATTERED ON EXPOSED SURFACES.

 INTERIOR GYPSUM BOARD SURFACES SHALL BE WIPED WITH A DAMP CLOTH JUST PRIOR TO APPLICATION OF THE FIRST COAT, IN ORDER TO LAY FLAT ANY NAP WHICH MAY HAVE FORMED IN SANDING PROCESS.
- ALL INTERSECTIONS OF FLOOR FINISH MATERIALS SHALL BE LOCATED DIRECTLY UNDER CENTER OF DOOR. WHERE OCCURS. U.O.N.
- REFERENCE INTERIOR ELEVATIONS FOR WALL FINISHES.

ROOM FINISH SCHEDULE

		FLOOR	BASE	WALL		
RM#	RM NAME	FINISH	FINISH	FINISH	CEILING FINISH	COMMENTS
101	DINING	FF-1	BT-1	SEE ELEV.	CT-2	
102	KITCHEN/PREP	QT-1	BT-3	SEE ELEV.	CT-1	
103	MEN'S RESTROOM	FF-1	-	SEE ELEV.	CT-2	
104	WOMEN'S RESTROOM	FF-1	-	SEE ELEV.	CT-2	
105	HALL	FF-1	BT-1	SEE ELEV.	CT-2	
106	CLEAN-UP	QT-1	BT-3	SEE ELEV.	CT-1	
107	WALK-IN REF	QT-1	BT-3	STEEL	STEEL	
108	FREEZER	STEEL	STEEL	STEEL	STEEL	
109	PUMP ROOM	QT-1	BT-3	SEE ELEV.	OPEN	

G1 FINISH FLOOR PLAN

1/4" = 1'-0"

			FLOORING A	AND WALL BASE	
TAG	SOURCE	ТҮРЕ	DESCRIPTION	COLOR	COMMENTS
FF-1	DAL TILE	PROCELAIN TIILE	6X36 JM BROWN WOOD	PART #N813 JM6361PR	CUSTOMER AREAS - DINING, RESTROOM, AND HALLWAY(S). 6"X36", 5/16 D. GROUT: MAPEI ULTRACOLOR PLUS FA - GRAY 09. GROUT JOINT RECOMMENDED AT 3/16". PATTERN TO BE INSTALLED IN RANDOM ARRANGEMENT.
FF-2					ALTERNATIVE TO FF-1
QT-1	DAL TILE	QUARRY TIILE	6X6 PAVER 0Q74	BLACK	KITCHEN FLOORING. GROUT: MAPEI FLEXCOLOR CQ10 BLACK
BT-1	DAL TILE	PROCELAIN TIILE	IRON CRAFT	SABLE BLACK IC15 - UNPOLISHED	CUT FULL 12"X24" TILE (WT-2) DOWN TO 6"X12" FOR DINING ROOM WALL BASE, AND 4"X12" ON MILLWORK TOE KICK IN CUSTOMER AREAS. USE SCHLUTER DILEX-AHK (POLISHED NICKEL) WHEN COVE BASE APPLICATION IS REQUIRED. GROUT: MAPEI ULTRACOLOR PLUS FA - GRAY 09
BT-3	DAL TILE	6X6 QUARRY COVE TILE	6X6 QUARRY COVE TILE 0Q74	BLACK	WILL BE INSTALLED AROUND THE PERIMETER OF KITCHEN AND KITCHEN MILLWORK TOE KICK. GROUT: MAPEI FLEXCOLOR CQ10 BLACK
NOTES:		-			•

IF INTERIOR TRANSITIONS STRIPS ARE TO BE REQUIRED, USE SCHULTER-RENO IN SATIN ANODIZED ALUMINUM.
 FOR COVE BASE APPLICATION IN THE RESTROOM(S), USE SCHLUTER DILEX-AHK (POLISHED NICKEL) BELOW FULL WT-2 TILES. NO CUT TILE IS REQUIRED. REFER TO ELEVATIONS.

	COUNTER FINISHES									
TAG	SURFACE	SOURCE	PRODUCT	COLOR	COMMENTS					
SS-1	COUNTERTOP	CONSENTINO	SILESTONE - ETERNAL SERIES 2 CM	CHARCOAL SOAPSTONE - SUEDE	COUNTERTOP FINISH FOR ALL MILLWORK					
·			FINISH F	REMOVED						
	WOOD									
TAG	SURFACE	SOURCE	PRODUCT	COLOR	COMMENTS					

			FINISH R	REMOVED	
			v	VOOD	
TAG	SURFACE	SOURCE	PRODUCT	COLOR	COMMENTS
WD-1	WAINSCOT	GC	1"X SHIPLAP, D. FIR NO2 (STANDARD) GRADE, SMOOTH FINISH	PAINTED PT-1	ON THE CUSTOMER SIDE OF THE FRONT LINE SOFFIT
WD-2	WAINSCOT	FIVE KIDS GROUP, INC.	ENGINEERED WHITE OAK PANELING	WHITE OAK	ACCENT WALL (PER PLAN). BOTTOM OF CHAIR RAIL IN DINING ROOM AND VESTIBULE. BEVERAGE COUNTER MILLWORK DOORS. BANQUETTE BACK AND SEAT. USE SCHULTER JOLLY (POLISHED NICKEL) FOR WALL EDGING, WHEN REQUIRED.
WD-3	BAR COUNTER	FIVE KIDS GROUP, INC.	TEAK		GC TO ORDER FROM FIVE KIDS GROUP. TABLETOP TO MATCH DINING ROOM TABLE TOPS
WD-4	FURNITURE BASE	GC		PAINTED PT-1	CONSTRUCTION OF DINING ROOM FURNITURE - COMMUNITY TABLE, BANQUETTE, AND BAR COUNTER.
WD-5	HARDWOOD CAP	GC	3/4" HARDWOOD	PAINTED PT-6	FOR LOW WALL CAP AND WINDOW SILLS, WHEN CONDITION(S) OCCUR. ALLOW 1/2" OVERHANG.
WD-6	WAINSCOT PANEL	MARLITE	ITEM #206916 23 3/4" X 96" X 1/2" PANEL	BY MANUFACTURER - PNL 9099	BEHIND BEACH CHAIR GRAPHICS IN DINING ROOM - REFER TO ELEVATIONS. FACE OF COUNTER ON THE FRONT LINE.
			UPHO	DLSTERY	
TAG	SURFACE	SOURCE	PRODUCT	COLOR	COMMENTS
UP-1	BANQUETTE	NASSAMI	TOLSTOY - SYMPHONY COLLECTION	WHISKEY	BANQUETTE SEATING - 3" THICK FOAM

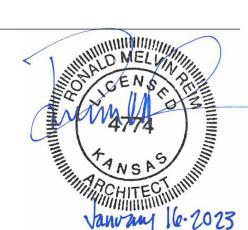
			WALL	FINISHES	
TAG	SURFACE	SOURCE	PRODUCT	COLOR	COMMENTS
W-1	STAINLESS STEEL WAINSCOT	CAPTIVE AIRE	BRUSHED S/S 20 GAUGE FROM TOP OF Q.T. BASE		FULL HEIGHT TO HOOD, BEHIND GRILL AND BREAD OVEN AREA
W-2	FRP WALL PANELING	MARLITE		WHITE	BACK KITCHEN FOOD PREP AREA
	I		LAN	MINATES	
TAG	SURFACE	SOURCE	PRODUCT	COLOR	COMMENTS
PL-1	MILLWORK	WILSONART	STEEL MESH	FINE VELVET FINISH 4879-38	MILLWORK BEHIND THE SERVICE LINE AND BACK KITCHEN. USE PVC EDGE BANDING.
PL-2	CUTTING BOARDS	WILSONART	NATURAL RECON	FINE VELVET FINISH 7996-38	21 1/4" X 21 1/4" X 1" CUTTING BOARDS FOR PICK UP TOWER. QUANTITY 6
			F	PAINT	
TAG	SURFACE	SOURCE	PRODUCT	COLOR	COMMENTS
PT-1	SHIP LAP, SOFFIT, AND RESTROOM CEILINGS	BENJAMIN MOORE	OC-130	CLOUD WHITE, SATIN	CUSTOMER AREA SHIPLAP (AND SHIPLAP TRIM), FRONT LINE SOFFIT, AND RESTROOM WALLS (ABOVE TILE)
PT-2	5/8" GWP PAINTED	BENJAMIN MOORE	1613	SILENT NIGHT, SATIN	DINING ROOM AND HALLWAY WALLS ABOVE CHAIR RAIL.
PT-3	DOOR FRAME	BENJAMIN MOORE	1615	ROCK GRAY, SATIN	DOOR FRAME, IN OPEN CEILING CONDITION, EVERYTHING ABOVE 12' AFF IN DINING ROOM
PT-4					
PT-5	INTERIOR DOORS	MINWAX	WOOD FINISH PENETRATING STAIN	WEATHER OAK 270	FINISH WITH CLEAR TOP COAT
PT-6	LOW WALL/ SILL CAP	BENJAMIN MOORE	#2132-10	BLACK, EGGSHELL OR SEMI GLOSS	LOW WALL CAP AND WINDOW SILL FINISH.
			WA	LL TILE	
TAG	SURFACE	SOURCE	PRODUCT	COLOR	COMMENTS
WT-1	CERAMIC TILE	DAL TILE	2X8 MOD JM BLUE	PART#: N519 JM28MOD1P2. GROUT: MAPEI ULTRACOLOR PLUS FA-IRON 107	BACK SPLASH TILE IN KITCHEN AND BEVERAGE COUNTER. RUNNING BOND. USE SCHULTER JOLLY (POLISHED NICKEL) FOR EDGING. WALL TILE EXTENDS TO CEILING TILES IN FRONT KITCHEN AREA. BEHIND THE PICK UP TOWER, AND ABOVE ALL BEVERAGE COUNTER WALLS (10' AFF)
WT-2	CERAMIC TILE	DAL TILE	IRONCRAFT	SABLE BLACK IC15-UNPOLISHED - 12"X24". GROUT: MAPEI ULTRACOLOR PLUS FA - GRAY 09	BATHROOM BOTTOM WALL TILE. USE SCHULTER JOLLY (POLISHED NICKEL) FOR EDGING
Т	ı		N	IETAL	
TAG	SURFACE	SOURCE	PRODUCT	COLOR	COMMENTS
M-1	CHAIR RAIL	GC	1/8" X 3 1/2" HOT ROLLED STEEL	PAINTED IN BLACK SEMI-GLOSS	DINING ROOM CHAIR RAIL, WITH BUTTON HEAD HEX SOCKET SCREW



7628 State Line Road, Unit 10 Prairie Village KS 66208

Description

These drawings/specifications are the property of Oculus Inc. They are furnished as contract documents only. The seal(s) and signature(s) apply only to the document to which they are affixed, and expressly disclaim any responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty or certification relating to the performance of products and materials beyond those provided by their respective manufacturer.



ISSUE FOR PERMIT

Client Approval

FINISH PLAN AND SCHEDULE

Project # 43422-KS04

Issue Date 01/16/2023

Scale As indicated

Drawn by
Checked by

Δ22

4' - 0"

KITCHEN/PREP CT-1 102 230 SF 10' - 0" A.F.F.

19' - 3"

S-1 8' - 0" A.F.F.

N1 DIMENSIONS @ SOFFIT

SHEET NOTES:

- LIGHT SWITCHES ARE TO BE MOUNTED AT 42" AFF TO CENTER OF SWITCH UON.
- FIXTURES SHOWN ARE FOR LOCATION INFORMATION ONLY. REFERENCE MEP DRAWINGS FOR FIXTURE DESIGNATIONS AND
- CONNECTIONS. LIGHT FIXTURES ARE TO BE CENTERED ON CEILING TILES UON.
- POWER AND DATA LOCATIONS SHOWN ON THIS PLAN ARE FOR INFORMATION ONLY. REFERENCE DESIGN/BUILD ELECTRICAL PLANS FOR QUANTITY/LOCATION OF ALL ELECTRICAL OUTLETS AND FIXTURES.
- SEE FINISH LEGEND FOR ACOUSTICAL CEILING GRID AND TILE INFORMATION (SHEET A2.2)
- SEE SHEET A3.1 FOR TYPICAL SEISMIC BRACING INFORMATION AS
- REQUIRED BY LOCAL BUILDING CODES AND ORDINANCES
- GC TO REPAIR/REPLACE ANY DAMAGED CEILING PANELS OR GRID COMPONENTS AS NECESSARY - MATCH ADJACENT EXISTING
- QUANTITIES ARE FOR REFERENCE ONLY, GC TO VERIFY IN FIELD.

KEYNOTES:

KEY#	KEYNOTE TEXT
048	TRACK LIGHTS TO BE POINTED DOWN TOWARD THE MEAT CASE AN SLICER.
057	GC TO DIRECT LIGHTS ON MENU
061	WATER HEATER ABOVE MOP SINK, REF. PLUMBING, AND SHELF
202	NEW CEILING MOUNTED ILLUMINATED EXIT SIGNAGE.

204 SUSPENDED MENU, PROVIDED BY OTHERS

- 206 FINISHED HEIGHT OF HEADER TO BE 7'-0" AFF. PAINT UNDERSIDE OF HEADER PT-1.
- 213 PROVIDE 3 5/8" METAL STUD W/ 5/8" GYP. BULKHEAD ABOVE WALK IN COOLER AND WALK IN FREEZER. FINISH W-2.
- 215 NEW SUSPENDED LIGHT FIXTURE FROM STRUCTURE ABOVE, SEE ELECTRICAL FOR ADDITIONAL INFORMATION.

LEGEND

LED FIXTURE (2x2, 2X4, ETC) WITH PARABOLIC LENS

LED FIXTURE (2x2, 2X4, ETC). WITH PRISMATIC ACRYLIC LENS

RECESSED WALL WASHER LIGHT FIXTURE. SEE SCHEDULE.

CEILING MOUNTED CAN LIGHT. SEE SCHEDULE. SUSPENDED FLUORESCENT PENDANT FIXTURE. SEE

EXIT LIGHT. SEE SCHEDULE.

SPRINKLER SYSTEM. FOR REFERENCE ONLY.

DIFFUSERS AND RETURNS. FOR REFERENCE ONLY. "N" DESIGNATION DENOTES NEW FIXTURE (TYP.)

> These drawings/specifications are the property of Oculus Inc. They are furnished as contract documents only. The seal(s) and signature(s) apply only to the document to which they are affixed, and expressly disclaim any responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty or certification relating to the performance of products and materials beyond those provided by their respective manufacturer.
> © 2023 Oculus Inc.



ISSUE FOR PERMIT

Client Approval

REFLECTED CEILING **PLAN**

43422-KS04 Project# 01/16/2023 As indicated

> Drawn by Checked by

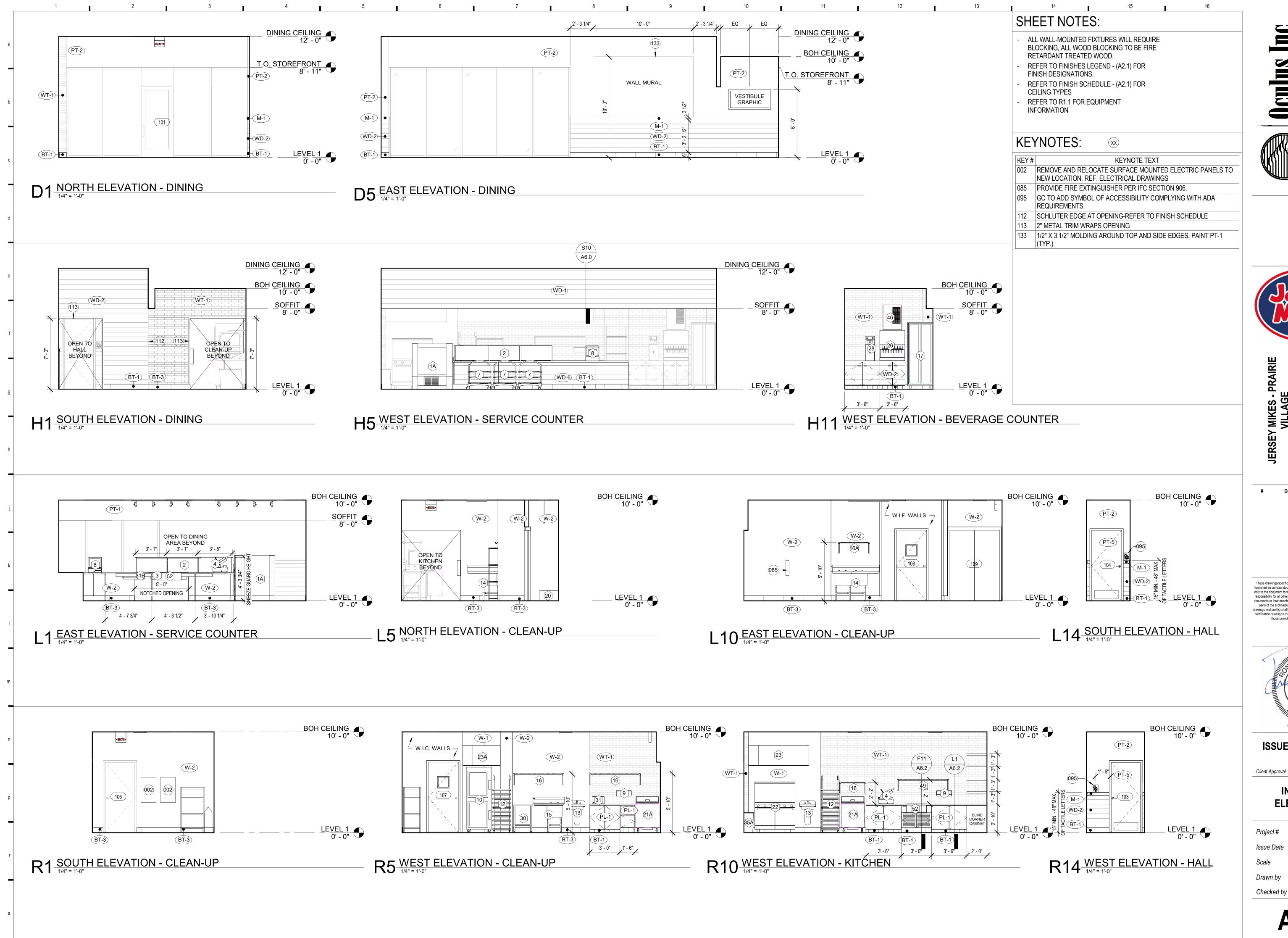


CT-2 12' - 0" A.F.F.

2' - 0 1/2"

CEILING LEGEND

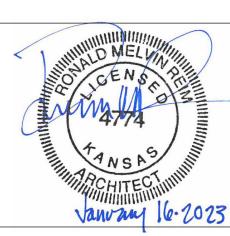
	FLOORING AND WALL BASE									
TAG	SOURCE	TYPE	COLOR	SIZE	COMMENTS					
CT-1	SOURCE: ARMSTRONG	ACOUSTIC CEILING TILE VINYL FACED	WHITE VINYL	SIZE: 2' X 4'	FOOD PREP AREAS HD APPROVED VINYL FACED					
CT-2	SOURCE: ARMSTRONG	ACOUSTIC CEILING TILE FISSURED 2X2 WITH TEGULAR EDGE	WHITE	SIZE: 2' X 2'	CUSTOMER AREA, RESTROOM VESTIBUL, AND RESTROOMS					
S-1	SOURCE: BENJAMIN MOORE		PT-2		SEE DETAIL					



These drawings/specifications are the property of Oculus Inc. They are

furnished as contract documents only. The seal(s) and signature(s) apply only to the document to which they are affixed, and expressly disclaim any responsibility for all other plans, specifications, estimates, reports or other parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty or certification relating to the performance of products and materials beyond those provided by their respective manufacturer.

© 2023 Oculus Inc.

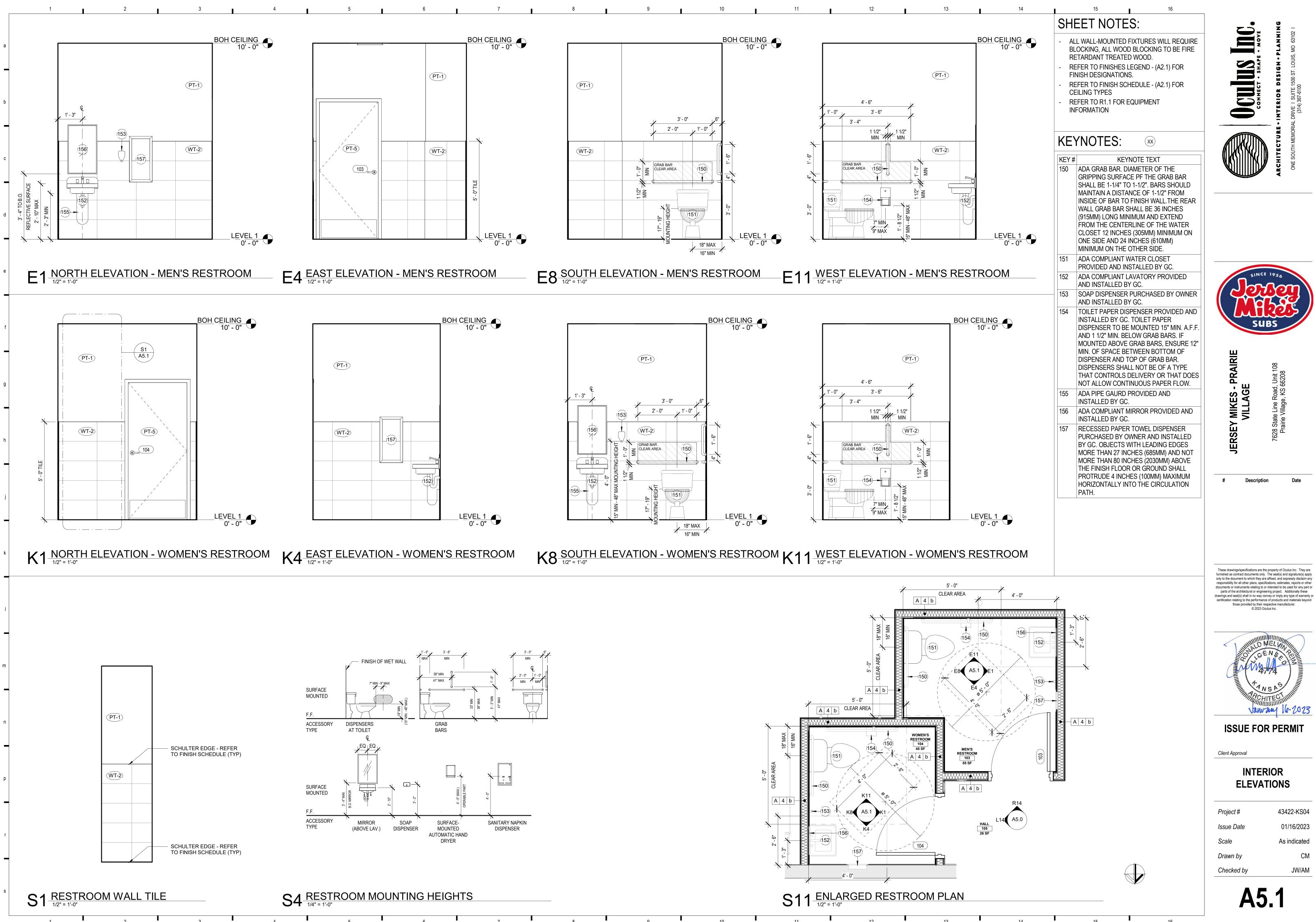


ISSUE FOR PERMIT

INTERIOR **ELEVATIONS**

43422-KS04 01/16/2023 1/4" = 1'-0"

A5.0



43422-KS04

01/16/2023

As indicated

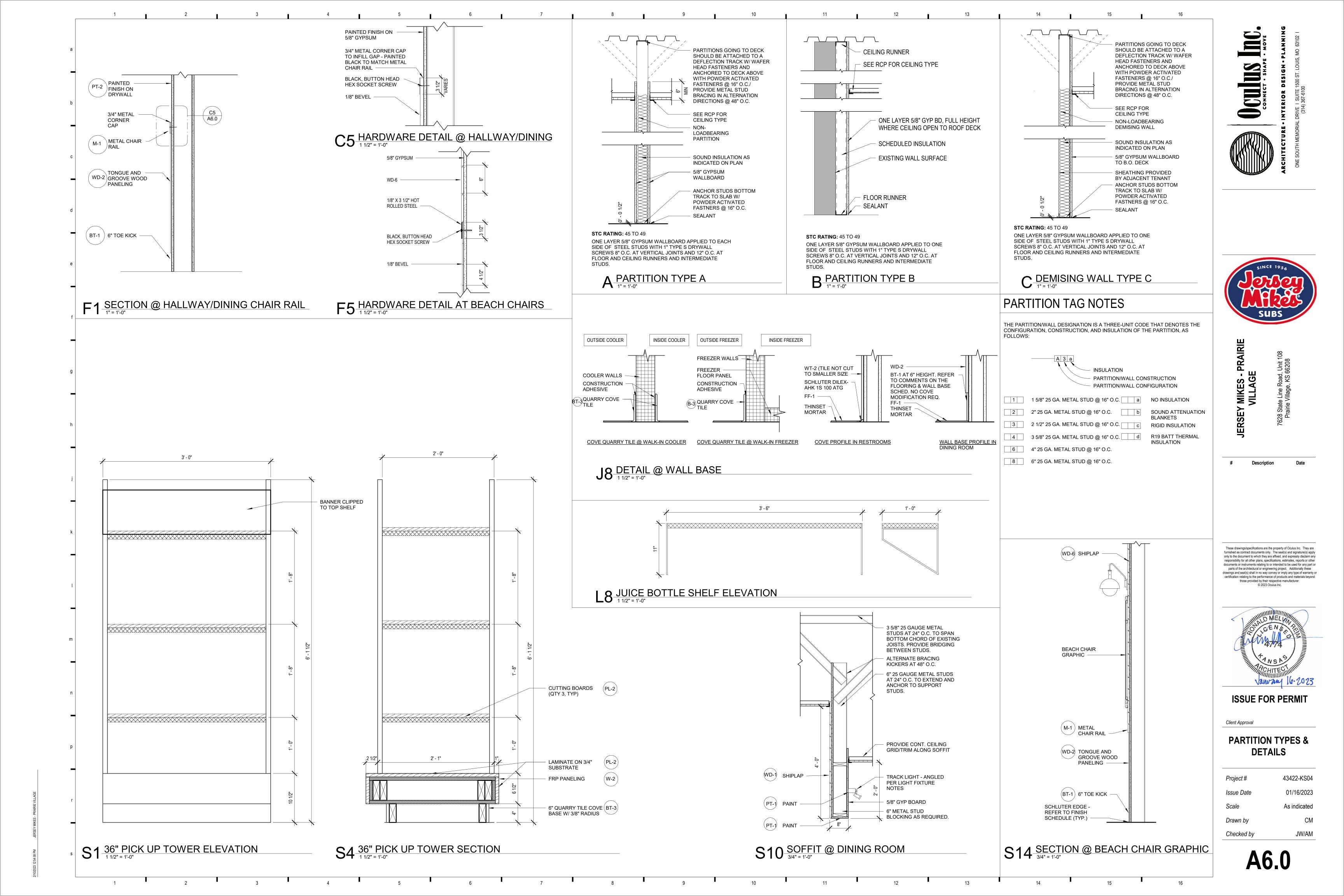
INTERIOR

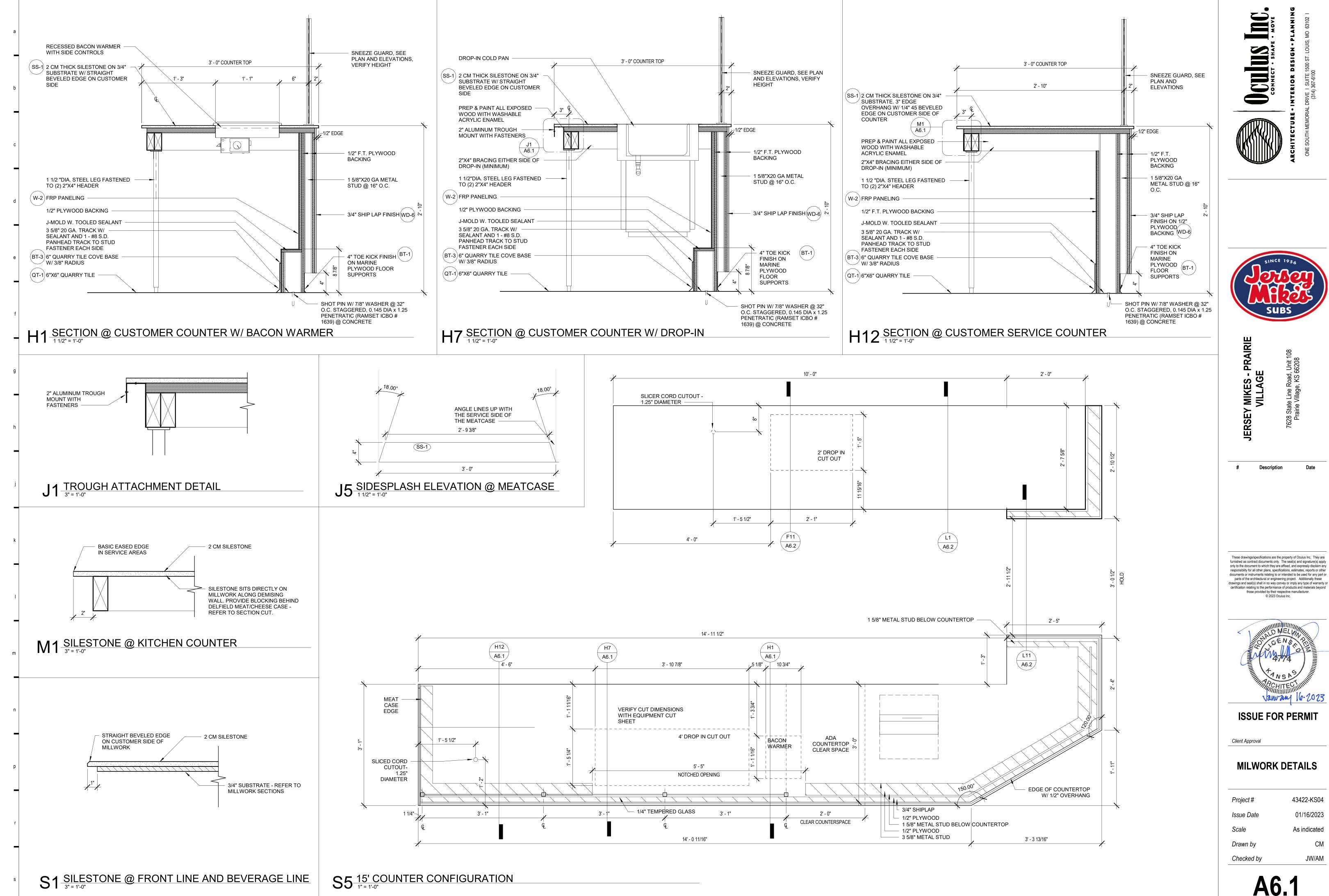
ELEVATIONS

A5.1

Description

those provided by their respective manufacturer.
© 2023 Oculus Inc.

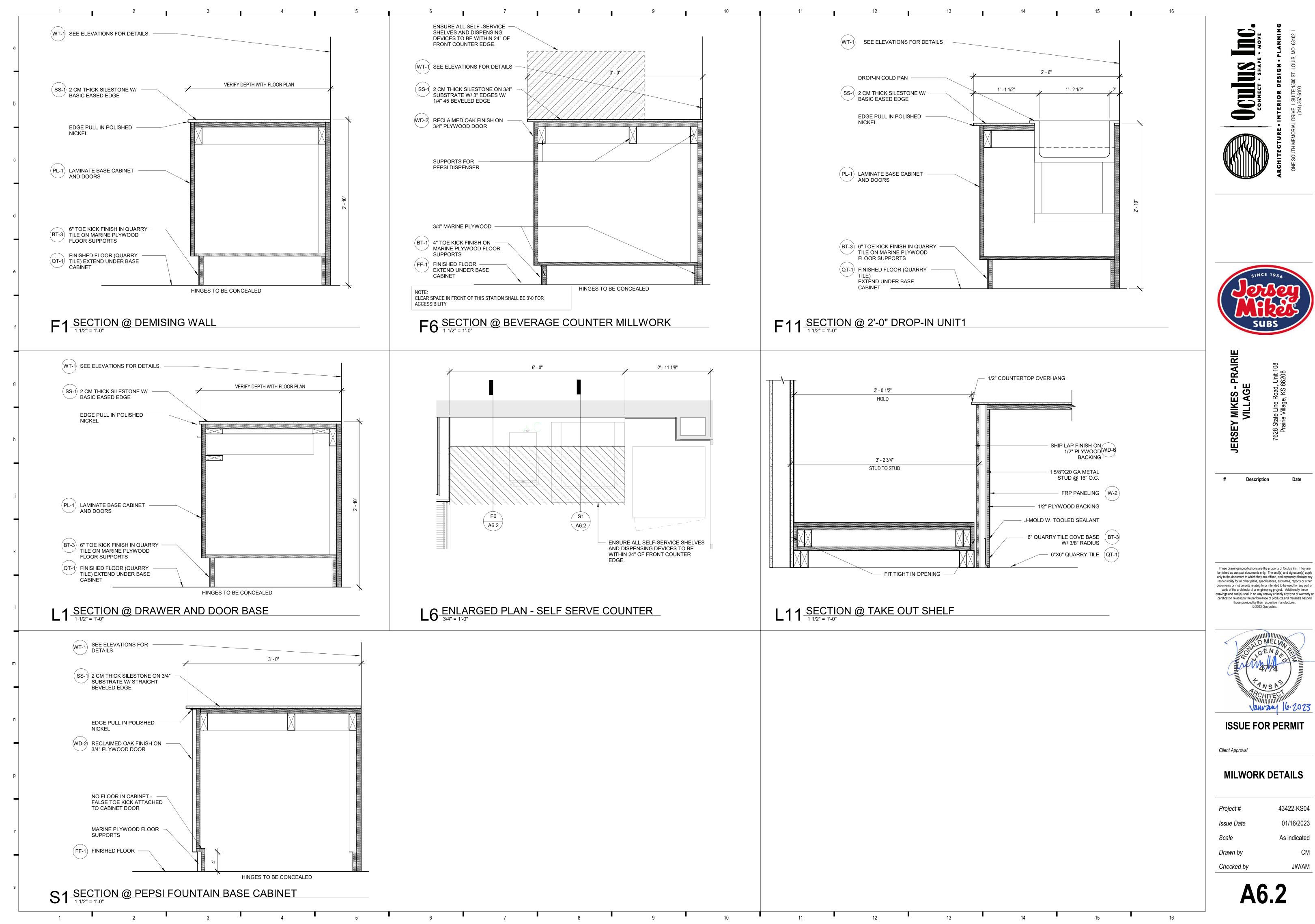




These drawings/specifications are the property of Oculus Inc. They are furnished as contract documents only. The seal(s) and signature(s) apply documents or instruments relating to or intended to be used for any part or certification relating to the performance of products and materials beyond



43422-KS04 01/16/2023 As indicated



43422-KS04

01/16/2023

As indicated

JW/AM

those provided by their respective manufacturer.
© 2023 Oculus Inc.

MOUNTING HEIGHTS INDICATED ARE MEASURED FROM FINISHED FLOOR TO THE

CENTERLINE OF THE DEVICE UNLESS NOTED OTHERWISE.

GENERAL ELECTRICAL NOTES

- A. INCLUDE ALLOWANCE FOR UNFORESEEN CONDITIONS THAT MAY AFFECT THE SCOPE OF WORK. MINOR DEVIATIONS REQUIRED FOR ACCOMPLISHING
- B. SWITCHBOARDS, PANELBOARDS, DISCONNECT SWITCHES, TRANSFORMERS AND CONTACTORS SHALL BE "LISTED" AND "IDENTIFIED" AS RATED FOR MINIMUM OF 75°C CONDUCTOR TERMINATION.

THE INTENT OF THIS DESIGN SHALL BE INCLUDED IN THE ALLOWANCE.

- C. ELECTRICAL DESIGN IS BASED ON INSTALLATION OF 75°C CONDUCTORS CONNECTED TO TERMINAL LUGS AND EQUIPMENT U.L. LISTED FOR MINIMUM 75°C. CONDUCTORS TERMINATED ON EQUIPMENT WITH LOWER RATING (60°C) OR NO RATING SHOWN SHALL HAVE CONDUCTOR SIZE INCREASED TO CONFORM TO ADOPTED ELECTRICAL CODE AND UL/CUL NO. 489 REQUIREMENTS.
- CONDUIT INSTALLED INDOORS SHALL BE ELECTRICAL METALLIC TUBING (EMT), MINIMUM 3/4" OR AS NOTED.
- E. CONDUIT INSTALLED BELOW SLAB SHALL BE RIGID STEEL, IMC, PVC OR HDPE, MINIMUM 3/4". IF PVC OR HDPE IS USED, TRANSITION TO RIGID STEEL BEFORE TURNING UP AND PENETRATING FLOOR SLAB.
- F. CONDUCTORS SHALL BE MINIMUM #12 THHN/THWN COPPER UNLESS
 NOTED OTHERWISE ON PLANS OR IN SPECIFICATIONS. BRANCH CIRCUITS
 SHALL BE PROVIDED WITH (2) #12 CONDUCTORS AND (1) #12
 EQUIPMENT GROUND CONDUCTOR UNLESS NOTED OTHERWISE.
- G. BRANCH CIRCUITS SHOWN WITH TWO GROUNDING CONDUCTORS SHALL HAVE ONE EQUIPMENT GROUND CONDUCTOR (GREEN) AND ONE ISOLATED GROUND CONDUCTOR (GREEN W/YELLOW STRIP) INSTALLED IN RACEWAY.
- H. DIRECT CURRENT WIRING SHALL BE (2) #10 IN 3/4" CONDUIT UNLESS NOTED OTHERWISE.
- I. CONTROL VOLTAGE WIRING SHALL BE PLENUM RATED OR INSTALLED IN CONDUIT.
- J. THERMOSTATS, TEMPERATURE SENSORS, CARBON DIOXIDE SENSORS AND HUMIDISTATS: UNLESS NOTED OTHERWISE, PROVIDE WALL BOX AT +3'-10" AFF WITH 3/4" CONDUIT STUBBED OUT TO ABOVE ACCESSIBLE CEILING WITH NYLON BUSHINGS AND PULLSTRING.
- K. PROVIDE FLEXIBLE CONNECTIONS ONLY FOR FINAL CONNECTION TO EQUIPMENT, 6'-0" MAXIMUM LENGTH. PROVIDE LIQUID TIGHT FLEXIBLE CONNECTION AT EXTERIOR LOCATIONS AND WHERE EXPOSURE TO MOISTURE IS POSSIBLE.
- L. ALL EMPTY CONDUITS SHALL BE PROVIDED WITH A PULL WIRE.
- M. ALL RACEWAYS SHALL CONTAIN A GROUNDING ELECTRODE SIZED PER THE ADOPTED ELECTRICAL CODE.
- N. COORDINATE WORK ABOVE THE CEILING WITH OTHER TRADES TO PROVIDE THE GREATEST POSSIBLE CLEARANCE. CONDUIT RUNS SHALL BE RUN THROUGH TRUSSES WHERE POSSIBLE.
- O. VERIFY EXACT PLACEMENT OF ALL DEVICES SHOWN ON CONSTRUCTION DOCUMENTS PRIOR TO FINAL PLACEMENT.
- P. ALL RECESSED PANELBOARDS SHALL BE INSTALLED WITH MINIMUM OF (3) 3/4" CONDUITS STUBBED UP TO ACCESSIBLE CEILING SPACE FOR FUTURE USE
- Q. ALL PANELBOARDS, SWITCHBOARDS AND LINE VOLTAGE CONTROL EQUIPMENT SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS. MARKING SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTING, SERVICING OR MAINTENANCE OF EQUIPMENT. MARKING SHALL BE SELF ADHESIVE, COMMERCIAL LABEL CONFORMING TO ADOPTED CODES.
- R. LIGHT SWITCHES, ELECTRICAL OUTLETS, THERMOSTATS AND OTHER ENVIRONMENTAL CONTROLS SHALL HAVE OPERABLE PARTS OF THE CONTROLS LOCATED NO HIGHER THAN 48" AND NO LOWER THAN 15" ABOVE THE FLOOR. IF THE REACH IS OVER AN OBSTRUCTION BETWEEN 20" AND 25" IN DEPTH, THE MAXIMUM HEIGHT IS REDUCED TO 44" FOR FORWARD APPROACH OR 46" FOR SIDE APPROACH, PROVIDED THE OBSTRUCTION IS NO MORE THAN 24" IN DEPTH. OBSTRUCTIONS SHALL NOT EXTEND MORE THAN 25" FROM THE WALL BENEATH A CONTROL
- S. TERM
 - SHALL ACTION THAT IS REQUIRED WITHOUT OPTION OR QUALIFICATION.

 FURNISH CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING.
- INSTALL CONTRACTOR SHALL BE RESPONSIBLE FOR LABOR AND CONSTRUCTION EQUIPMENT NECESSARY TO SET IN PLACE, CONNECT, CALIBRATE AND/OR TEST EQUIPMENT FURNISHED BY HIM OR OTHERS.
- PROVIDE CONTRACTOR SHALL FURNISH AND INSTALL.

REUSE OF ELECTRICAL EQUIPMENT

A. IF CHOOSING TO REUSE EXISTING PANELBOARDS, DISCONNECT SWITCHES OR OVERCURRENT PROTECTION DEVICES, EQUIPMENT SHALL BE CERTIFIED BY A 3RD PARTY, INTERNATIONAL ELECTRICAL TESTING AGENCY (NETA) ACCREDITED FIRM OR INDIVIDUAL. TESTING SHALL MEET NETA REQUIREMENT AS WELL AS ORIGINAL EQUIPMENT MANUFACTURER'S TOLERANCES. FINAL REPORT SHALL BE SENT TO THE ENGINEER AND OWNER INDICATING RECOMMENDATIONS FOR EXISTING EQUIPMENT.

WINECT : SHAPE : MO





This sheet is part of the construction documents. Drawings, specifications and other sheets apply and need to be reviewed in total. Items shown are for diagrammatic representation and may not be relied on or used as shop drawings. Provide all modifications required to conform to site conditions, equipment and material used. Verify locations and dimensions of all architectural and structural elements per their respective documents, as these elements are shown only for reference, and require verification prior to fabrication or construction. Engineer has no liability for the accura of these associated elements, or for any work the engineer has not signed and sealer



SEY MIKES - PRAIRI VILLAGE

Description

These drawings/specifications are the property of Oculus Inc. They are furnished as contract documents only. The seal(s) and signature(s) apply only to the document to which they are affixed, and expressly disclaim any responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty or certification relating to the performance of products and materials beyond those provided by their respective manufacturer.

© 2022 Oculus Inc.



FOR PERMIT

Client Approval

ELECTRICAL NOTES AND SYMBOL LEGEND

Project # 43422-KS04

Issue Date 01/30/2023

Scale As indicated

Drawn by JPC

Checked by

- THE WORK COVERED BY DIVISION 16 CONSISTS OF FURNISHING ALL LABOR, EQUIPMENT, SUPPLIES, AND MATERIALS (EXCEPT AS OTHERWISE SPECIFIED OR SHOWN ON THE DRAWINGS) REQUIRED TO PERFORM ALL OPERATIONS NECESSARY FOR THE INSTALLATION OF COMPLETE ELECTRICAL SYSTEMS. ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND DRAWINGS.
- COORDINATE WORK WITH OTHER TRADES AND EXISTING CONDITIONS TO PREVENT CONFLICTS CAUSING UNNECESSARY EXPENSE OR DELAYS. WHEN CONFLICTS ARISE. REMOVE AND RELOCATE ITEMS CAUSING SUCH CONFLICTS AT NO ADDITIONAL COST TO OWNER. REFER TO OTHER DISCIPLINE'S DRAWINGS, RELEVANT EQUIPMENT DRAWINGS, AND SHOP DRAWINGS TO DETERMINE AVAILABLE CLEARANCES AND POSSIBLE OBSTRUCTIONS. MAKE NECESSARY OFFSETS OR TRANSITIONS AS REQUIRED TO CLEAR STRUCTURAL MEMBERS, EXISTING EQUIPMENT, ETC. TO FACILITATE INSTALLATION OF THE WORK.
- ALL WORK SHALL COMPLY WITH LOCALLY ADOPTED ELECTRICAL CODE AND
- APPLICABLE LAWS, CODES, RECOMMENDATIONS, REGULATIONS, AND INTERIM AMENDMENTS, OF THE GOVERNMENTAL BODIES HAVING JURISDICTION INCLUDING ADA COMPLIANCE. ELECTRICAL WORK SHALL BE PERFORMED IN COMPLIANCE WITH APPLICABLE GOVERNING SAFETY REGULATIONS, INCLUDING OSHA REGULATIONS. ALL SAFETY LIGHTS, GUARDS AND SIGNS REQUIRED FOR THE PERFORMANCE OF ELECTRICAL WORK SHALL BE PROVIDED BY AND OPERATED BY THE ELECTRICAL CONTRACTOR.
- INTENT OF THE DRAWINGS IS TO INDICATE THE GENERAL EXTENT OF WORK REQUIRED FOR THE PROJECT. DRAWINGS FOR ELECTRICAL WORK ARE DIAGRAMMATIC, SHOWING LOCATION, TYPE, DEVICES AND EQUIPMENT REQUIRED. DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENTS. PROVIDE ALL FIXTURES, DEVICES, ACCESSORIES OFFSETS, AND MATERIALS NECESSARY TO FACILITATE THE SYSTEM'S FUNCTIONING AS INDICATED BY THE DESIGN AND THE EQUIPMENT FURNISHED BY OTHERS.
- ELECTRICAL DESIGN FOR THIS INSTALLATION IS BASED ON FIELD INSPECTIONS AND PREVIOUS DESIGN DRAWINGS FOR THE EXISTING BUILDING. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDDING. ALLOWANCES ARE TO BE INCLUDED FOR UNFORESEEN EXISTING CONDITIONS THAT MAY AFFECT THE CONTRACTOR'S SCOPE OF WORK. MINOR DEVIATIONS REQUIRED FOR ACCOMPLISHING THE INTENT OF THE DESIGN SHALL BE INCLUDED IN ALLOWANCES.
- FIELD VERIFY ALL EXISTING UTILITIES. ITEMS DAMAGED BY THIS CONTRACTOR SHALL BE REPAIRED IMMEDIATELY AND AT NO COST TO OWNER.
- ROOF PENETRATIONS SHALL COMPLY WITH "SMACNA" AND "NRCA" STANDARDS, AND WITH THE REQUIREMENTS OF EXISTING ROOFING WARRANTY, IF APPLICABLE. DO NOT PERFORM ROOFING PENETRATIONS IN A MANNER WHICH WOULD VOID OR OTHERWISE LIMIT THE EXISTING ROOFING WARRANTY.
- OWNER FURNISHED EQUIPMENT: FOR EQUIPMENT FURNISHED BY OWNER OR OTHER CONTRACTORS, ELECTRICAL CONTRACTOR SHALL VERIFY EXACT LOAD. TYPE OF CONNECTION AND MOUNTING HEIGHT FOR EACH BOX OR EQUIPMENT ITEM TO BE
- TEMPORARY ELECTRICAL SERVICE: ARRANGE FOR SOURCES OF TEMPORARY CONSTRUCTION SERVICES FROM WHICH A COMPLETE SYSTEM OF TEMPORARY POWER AND LIGHTING CAN BE PROVIDED FOR ALL CONSTRUCTION NEEDS.
- WARRANTIES:
- CONTRACTOR SHALL WARRANT ALL WORK PERFORMED AND MATERIAL AND LABOR PROVIDED UNDER THE CONTRACT AGAINST DEFECTS IN MATERIAL AND WORKMANSHIP FOR ONE YEAR FROM SUBSTANTIAL COMPLETION. PROVIDE ALL SERVICES AS REQUIRED TO IMMEDIATELY REPAIR OR REPLACE, AT NO ADDITIONAL COST, DEFECTIVE PARTS OF THE INSTALLATION RESULTING FROM THE SUPPLY OF FAULTY WORKMANSHIP OR MATERIAL. LACK OF MAINTENANCE, ACCIDENTS, OR CARELESSNESS ON THE PART OF OWNER SHALL NOT BE INCLUDED IN THIS
- B. ALL LAMPS SHALL BE WARRANTED ACCORDING TO LAMP MANUFACTURER, WHICH IS ALSO BASED ON AVERAGE LIFE DATA FOR EACH SPECIFIC TYPE OF LAMP. PROVIDE LABOR TO REPLACE DEFECTIVE LAMPS THAT ARE WITHIN LAMP MANUFACTURER'S WARRANTY PERIOD.
- C. ALL EQUIPMENT, APPARATUS AND APPLIANCES WHICH ARE SPECIFIED AND/OR COME WITH WARRANTIES LONGER THAN ONE YEAR SHALL BE REGISTERED WITH THE MANUFACTURER IN THE OWNER'S NAME.
- . CUTTING AND PATCHING:
- A. NO STRUCTURAL MEMBERS SHALL BE CUT, DRILLED, OR PENETRATED WITHOUT PRIOR APPROVAL FROM THE ARCHITECT.
- PROVIDE CUTTING, PATCHING, AND PATCH PAINTING IN EXISTING STRUCTURES, AS REQUIRED FOR THE INSTALLATION OF WORK OF THIS SECTION. EXTENT OF CUTTING SHALL BE MINIMIZED. USE CORE DRILLS, POWER SAWS, AND OTHER MACHINES WHICH WILL PROVIDE NEAT, MINIMUM OPENINGS. REFER TO STRUCTURAL DRAWINGS FOR LINTELS AND SUPPORTS TO BE FURNISHED BY OTHERS FOR ELECTRICAL WORK. ALL OTHER LINTELS AND SUPPORTS REQUIRED FOR ELECTRICAL WORK SHALL BE FURNISHED BY DIVISION 16. PATCHING SHALL MATCH AND EQUAL ADJACENT MATERIALS AND SURFACES AND SHALL BE PERFORMED BY CRAFTSMAN SKILLED IN THE RESPECTIVE CRAFT REQUIRED. PATCHED FINISHES SHALL BE APPROVED BY ARCHITECT.
- C. ALL PUBLIC AND PRIVATE PROPERTY DAMAGED AS A RESULT OF WORK PERFORMED UNDER THIS CONTRACT SHALL BE REPAIRED AND REPLACED BY THIS CONTRACTOR, TO THE SATISFACTION OF AUTHORITIES HAVING REGULATORY JURISDICTION AND BUILDING OWNER.
- SUPPORTING DEVICES: COORDINATE MEANS OF ATTACHING SUPPORTING DEVICES TO BUILDING STRUCTURE.
- ADJUSTING/TESTING: ALL ELECTRICAL EQUIPMENT SHALL BE ADJUSTED AND TESTED FOR PROPER OPERATION. COMPLETED WIRING SYSTEM SHALL BE FREE FROM SHORT

SECTION 16075 - IDENTIFICATION

- ENGRAVED, PLASTIC-LAMINATED LABELS, SIGNS, AND INSTRUCTION PLATES: ENGRAVING STOCK MELAMINE PLASTIC LAMINATE, 1/16-INCH MINIMUM THICKNESS FOR SIGNS UP TO 20 SQUARE INCHES, OR 8 INCHES IN LENGTH; 1/8-INCH THICKNESS FOR LARGER SIZES. ENGRAVED LEGEND IN WHITE LETTERS ON BLACK FACE AND PUNCHED FOR MECHANICAL FASTENERS.
- SELF ADHESIVE. COMMERCIALLY AVAILABLE ARC FLASH HAZARD LABELS. LABELS SHALL CONFORM TO ADOPTED ELECTRICAL CODE AND A.N.S.I. Z535.4.
- APPLY EQUIPMENT IDENTIFICATION LABELS OF ENGRAVED PLASTIC LAMINATE ON EACH MAJOR UNIT OF ELECTRICAL EQUIPMENT. EXCEPT AS OTHERWISE INDICATED, PROVIDE SINGLE LINE OF TEXT. WITH 1/4-INCH-HIGH LETTERING ON 1-INCH-HIGH LABEL (1-1/2-INCH-HIGH WHERE TWO LINES ARE REQUIRED), WHITE LETTERING IN BLACK FIELD. TEXT SHALL MATCH TERMINOLOGY AND NUMBERING OF CONTRACT

DOCUMENTS. APPLY LABELS FOR EACH UNIT OF THE FOLLOWING CATEGORIES OF

- ELECTRICAL EQUIPMENT. A. PANELBOARDS, ELECTRICAL CABINETS, AND ENCLOSURES
- B. ELECTRICAL SWITCHGEAR AND SWITCHBOARDS C. DISCONNECT SWITCHES D. CONTACTORS

SECTION 16060 – GROUNDING

E. TRANSFORMERS

- PERMANENTLY AND EFFECTIVELY GROUND ALL METALLIC CONDUIT, SUPPORTS, CABINETS. PANELBOARDS AND SYSTEM NEUTRAL CONDUCTORS. MAINTAIN CONTINUITY OF EQUIPMENT GROUND THROUGHOUT SYSTEM. GROUND CLAMPS SHALL BE APPROVED TYPE, SPECIFICALLY DESIGNED FOR GROUNDING. WHERE GROUNDING CONDUCTOR IS ENCLOSED IN CONDUIT, GROUND CLAMP SHALL BE OF TYPE WHICH GROUNDS BOTH CONDUCTOR AND CONDUIT. ALL CIRCUITS IN FLEXIBLE METAL OR PLASTIC CONDUIT SHALL INCLUDE GROUND WIRE SIZED IN ACCORDANCE WITH LOCALLY ADOPTED ELECTRICAL CODE.
- RACEWAY SYSTEMS SHALL NOT BE USED AS GROUNDING METHOD. ALL BRANCH AND FEEDER CONDUITS SHALL HAVE GROUNDING CONDUCTOR INSTALLED WITH PHASE AND NEUTRAL CONDUCTORS. SIZE OF GROUND CONDUCTOR SHALL BE IN ACCORDANCE WITH ADOPTED ELECTRICAL CODE. TERMINATE FEEDER AND BRANCH CIRCUIT INSULATED EQUIPMENT GROUNDING CONDUCTORS WITH GROUNDING LUG, BUS, OR BUSHING
- GROUNDING ELECTRODE CONDUCTORS. WHERE NOT INSTALLED AS PART OF A BRANCH CIRCUIT OR FEEDER, SHALL BE INSTALLED IN PVC CONDUIT TO PROTECT WIRING FROM PHYSICAL DAMAGE.

CONDUCTORS: PROVIDE SOLID CONDUCTORS FOR POWER AND LIGHTING CIRCUITS NO. 10 AWG AND SMALLER. PROVIDE STRANDED CONDUCTORS FOR SIZES NO. 8 AWG

WIRES AND CABLES

- 2. CONDUCTOR MATERIAL: COPPER FOR ALL WIRES AND CABLES.
- 3. INSULATION: PROVIDE THHN/THWN INSULATION FOR ALL CONDUCTORS NO. 14 AWG THRU NO. 10 AWG. FOR ALL OTHER SIZES PROVIDE THHN/THWN OR XHHW INSULATION AS APPROPRIATE FOR LOCATION WHERE INSTALLED.
- 4. ALUMINUM CONDUCTORS ARE NOT APPROVED OR ACCEPTABLE.
- 5. INSTALLATION OF WIRES AND CABLES:

SECTION 16120

- A. ALL BRANCH CIRCUIT WIRES, FEEDER CABLES, ETC., SHALL BE CONTINUOUS FROM OUTLET TO OUTLET. NO JOINTS SHALL BE MADE EXCEPT IN OUTLET, JUNCTION OR PULL BOXES, PANELBOARD AND SWITCHBOARD GUTTERS. FOR SPLICING OF EXISTING FEEDER CONDUCTORS, USE COMPRESSION TYPE BUTT SPLICES WITH 4. CABINETS: COLD SHRINK INSULATION KITS.
- B. TIGHTEN ELECTRICAL CONNECTORS AND TERMINALS, INCLUDING SCREWS AND BOLTS, IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED TORQUE TIGHTENING VALUES. WHERE MANUFACTURER'S TORQUE REQUIREMENTS ARE NOT INDICATED. TIGHTEN CONNECTORS AND TERMINALS TO COMPLY WITH TIGHTENING TORQUES SPECIFIED IN UL 486A AND UL 486B.

208Y/120 VOLTS NORMAL	<u>PHASE</u>	480Y/277V NORMAL
BLACK	Α	BROWN
RED	В	ORANGE
BLUE	С	YELLOW
WHITE	NEUTRAL	GRAY
GREEN	GROUND	GREEN
GREEN W/ YELLOW STRIP	ISOLATED GROUND	GREEN W/ YELLOW STRIP

SECTION 16130 RACEWAYS

- THIS SECTION INCLUDES RACEWAYS FOR ELECTRICAL WIRING. TYPES OF RACEWAYS IN THIS SECTION INCLUDE THE FOLLOWING:
- A. ELECTRICAL METALLIC TUBING (EMT)
- B. INTERMEDIATE METAL CONDUIT (IMC) C. FLEXIBLE METAL CONDUIT
- D. LIQUID—TIGHT FLEXIBLE CONDUIT . RIGID METAL CONDUIT
- F. RIGID NONMETALLIC CONDUIT (PVC) G. METAL CLAD (MC) AND ALUMINUM CLAD (AC) CABLE

A. ELECTRICAL WIREWAYS SHALL BE OF TYPES, SIZES, AND NUMBER OF CHANNELS AS INDICATED. FITTINGS AND ACCESSORIES INCLUDING BUT NOT LIMITED TO COUPLINGS, OFFSETS, ELBOWS, EXPANSION JOINTS, ADAPTERS, HOLD-DOWN STRAPS, AND END CAPS SHALL MATCH AND MATE WITH WIREWAY AS REQUIRED FOR A COMPLETE SYSTEM. WHERE FEATURES ARE NOT INDICATED, SELECT TO FULFILL WIRING REQUIREMENTS AND COMPLY WITH APPLICABLE PROVISIONS OF ADOPTED ELECTRICAL CODE.

4. WIRING METHOD:

- A. OUTDOORS: USE THE FOLLOWING WIRING METHODS:
- A.1. EXPOSED: INTERMEDIATE METAL CONDUIT. CONCEALED: INTERMEDIATE METAL CONDUIT
- UNDERGROUND, RIGID NONMETAL CONDUIT. A.4. CONNECTION TO VIBRATING EQUIPMENT: INCLUDING TRANSFORMERS AND
- HYDRAULIC, PNEUMATIC OR ELECTRIC SOLENOID OR MOTOR-DRIVEN EQUIPMENT: LIQUID-TIGHT FLEXIBLE METAL CONDUIT. INDOORS OR OUTDOORS: CONNECTION TO VIBRATING EQUIPMENT AND
- HYDRAULIC, PNEUMATIC, OR ELECTRIC SOLENOID OR MOTOR-DRIVEN EQUIPMENT IN MOIST OR HUMID LOCATION OR CORROSIVE ATMOSPHERE, OR WHERE SUBJECT TO WATER SPRAY OR DRIPPING OIL, GREASE, OR WATER: LIQUID-TIGHT FLEXIBLE METAL CONDUIT.
- B INDOORS: USE THE FOLLOWING WIRING METHODS: B.1. CONNECTION TO VIBRATING EQUIPMENT: INCLUDING TRANSFORMERS AND HYDRAULIC, PNEUMATIC OR ELECTRIC SOLENOID OR MOTOR-OPERATED
- EQUIPMENT: FLEXIBLE METAL CONDUIT.
- EXPOSED: ELECTRICAL METALLIC TUBING CONDU CONCEALED: ELECTRICAL METALLIC TUBING.

SECTION "WIRES & CABLES".

DIRECTLY TO STEEL JOISTS.

- CONCEALED, IN CONCRETE EMBEDDED, STRUCTURAL INTERIOR WALLS, OR ROOF DECK PENETRATIONS: INTERMEDIATE METAL OR RIGID METAL CONDUIT. B.5. UNDER CONCRETE FLOOR (SLAB ON GRADE): INTERMEDIATE METAL OR RIGID
- C. P.V.C. CONDUIT CAN BE INSTALLED BELOW FLOOR SLAB INDOORS, ONLY IF RIGID STEEL ELBOWS ARE USED WHEN PASSING THROUGH FLOOR SLAB. MINIMUM SIZE P.V.C. CONDUIT THAT CAN BE INSTALLED IS 3/4" UNLESS NOTED OTHERWISE. ALL P.V.C. CONDUIT JOINTS ARE TO BE GLUED AND SEALED TO PREVENT MOISTURE FROM ENTERING RACEWAY SYSTEM. CONDUITS FOUND TO CONTAIN MOISTURE SHALL BE REPAIRED OR REPLACED AS REQUIRED PRIOR TO INSTALLATION OF CONDUCTORS
- D. METAL CLAD (MC) AND ALUMINUM CLAD (AC) CABLE D.1. MC AND AC CABLE MAY BE USED IN LIEU OF E.M.T. CONDUIT IF ACCEPTABLE TO LOCAL AUTHORITIES AND INSTALLED PER ELECTRICAL CODE REGARDING SUPPORT, GROUNDING AND CABLE TERMINATIONS.
- ALL HOME RUNS TO PANELBOARDS SHALL REMAIN IN E.M.T. CONDUIT. MC AND AC CABLES SHALL NOT BE USED IN EXPOSED AREAS. ALL FITTINGS SHALL BE LISTED FOR USE WITH MC AND AC CABLE USED. D.5. CONDUCTORS IN MC AND AC CABLE SHALL COMPLY WITH
- 5. CONDUIT SHALL BE INSTALLED AS A COMPLETE SYSTEM, CONTINUOUS FROM OUTLET TO OUTLET, CABINET OR FITTING, AND BE SO MECHANICALLY AND ELECTRICALLY CONNECTED THAT ADEQUATE ELECTRICAL CONTINUITY FROM ONE CONDUIT TO ANOTHER IS SECURED. THE ENTIRE SYSTEMS SHALL BE SECURELY FASTENED IN PLACE WITHIN 3' OF EACH OUTLET OR JUNCTION BOX, CABINET OR FITTING, AND AT INTERVALS NOT EXCEEDING 10', EXCEPT AS OTHERWISE SPECIFIED OR SHOWN. SINGLE CONDUITS FOR FEEDERS SHALL BE HUNG WITH GRINNEL, CRANE, OR EQUAL, MALLEABLE SPLIT RING HANGERS WITH ROD SUSPENSION SPACED NOT OVER 10' APART FROM CONSTRUCTION ABOVE. GROUPS OF HORIZONTAL FEEDER AND BRANCH

CIRCUIT CONDUITS SHALL BE CLAMPED TO UNISTRUT, OR EQUAL, STEEL CHANNELS

APART FROM CONSTRUCTION ABOVE. WHERE POSSIBLE CONDUITS MAY BE CLAMPED

AND SUSPENDED FROM RODS SUPPORTED FROM STRUCTURE, SPACED NOT OVER 10'

- 6. USE RACEWAY FITTINGS THAT ARE OF TYPES COMPATIBLE WITH ASSOCIATED RACEWAY AND SUITABLE FOR THE USE AND LOCATION. FOR INTERMEDIATE METAL CONDUIT, USE THREADED RIGID STEEL CONDUIT FITTINGS. FOR EMT CONDUITS, FITTINGS SHALL BE COMPRESSION OR SET SCREW TYPE.
- 7. INSTALL PULL WIRES IN EMPTY RACEWAYS. USE NO. 14 AWG ZINC-COATED STEEL OR MONOFILAMENT PLASTIC LINE HAVING NOT LESS THAN 200-LB TENSILE STRENGTH. LEAVE NOT LESS THAN 12 INCHES OF SLACK AT EACH END OF PULL
- 8. CONDUITS ABOVE LAY-IN CEILING SYSTEMS SHALL NOT BE SUPPORTED FROM CEILING SUSPENSION WIRES.

SECTION 16135 CABINETS, BOXES AND FITTINGS THIS SECTION INCLUDES CABINETS, BOXES, AND FITTINGS FOR ELECTRICAL INSTALLATIONS AND CERTAIN TYPES OF ELECTRICAL FITTINGS NOT COVERED IN OTHER SECTIONS.

SECTION 16140

RECEPTACLES

WALL PLATES

1. THIS SECTION INCLUDES THE FOLLOWING:

OCCUPANCY/VACANCY SENSORS

FLOOR SERVICE OUTLETS

MANUAL DIMMERS

NOTED OTHERWISE.

RECEPTACLES:

WHILE IN USE.

#5362-2.

SWITCHES:

LIGHTING AND EQUIPMENT SWITCHES

WIRING DEVICES

. MANUFACTURERS: ALL DEVICES SHALL BE MANUFACTURED BY HUBBELL OR

EARS AND SIDE TERMINAL SCREWS FOR BACK AND SIDE WIRING.

A. PROVIDE WIRING DEVICES, IN TYPES, CHARACTERISTICS, GRADES, COLORS, AND

WHICH COMPLY WITH NEMA WD 1 AND OTHER APPLICABLE UL AND NEMA

ELECTRICAL RATINGS FOR APPLICATIONS INDICATED WHICH ARE UL LISTED AND

STANDARDS. ALL DEVICES SHALL BE SPECIFICATION GRADE (HEAVY DUTY U.L.

ALL WIRING DEVICES SHALL BE PROVIDED BY SAME MANUFACTURER UNLESS

ALL WIRING DEVICES AND COVER PLATES SHALL BE WHITE UNLESS NOTED

COVER PLATES INSTALLED IN KITCHENS, WORK-AREAS, STORAGE ROOMS, AND

E.1. DUPLEX RECEPTACLE, 15 AMP, 125 VOLT, 2-POLE, 3-WIRE, GROUNDING

E.2. SINGLE RECEPTACLE, 20 AMP, 125 VOLT, 2-POLE, 3-WIRE, GROUNDING

E.3. DUPLEX RECEPTACLE, 20 AMP, 125 VOLT, 2-POLE, 3-WIRE, GROUNDING

E.4. GROUND-FAULT INTERRUPTER RECEPTACLE, 20 AMP, 125 VOLT, 2-POLE,

WITH 5 MILLIAMPERES GROUND-FAULT TRIP LEVEL.

TYPE WITH NEMA CONFIGURATION 5-15R, MEETS FEDERAL SPEC. WC-596-F.

TYPE WITH NEMA CONFIGURATION 5-20R, MEETS FEDERAL SPEC. WC-596-F.

TYPE WITH NEMA CONFIGURATION 5-20R, MEETS FEDERAL SPEC. WC-596-F.

3-WIRE, GROUNDING TYPE WITH NEMA CONFIGURATION 5-20R, FEED-THRU

UL RATE CLASS A. GROUP 1. SOLID STATE GROUND-FAULT SENSING LEVEL

TYPE CAPABLE OF PROTECTING CONNECTED DOWNSTREAM RECEPTACLES.

E.5. WEATHERPROOF RECEPTACLE SHALL BE A GROUND-FAULT INTERRUPTER WITH

WALL. PLATE TO BE LISTED AND LABELED "SUITABLE FOR WET LOCATIONS

DIE-CAST ALUMINUM "SMALL" COVER PLATE. LOCATE BOX VERTICAL IN

3-WIRE. IVORY FACE WITH ORANGE TRIANGLE, GROUND SCREW ISOLATED

GROUNDING TYPE WITH NEMA CONFIGURATION 5-20R, PERMANENTLY LABELED

WITH CONTROLLED SYMBOL, MEETS FEDERAL SPEC. WC-596-F. LEVITON

TYPE, WITH MOUNTING YOKE INSULATED FROM MECHANISM, EQUIPPED WITH

WS-896. DOUBLE-POLE, 3-WAY, AND 4-WAY SWITCHES SHALL BE OF THE

ULTRASONIC & PASSIVE INFRARED COVERING 1200 (OR 900) SQUARE FEET

MOUNTED IN SINGLE-GANG WALL BOX AT SAME ELEVATION AS STANDARD

RATED FOR 120/277 VOLT, 1500 WATTS MAXIMUM LOAD OF INCANDESCENT

E.7. CONTROLLED DUPLEX RECEPTACLE, 20 AMP, 125 VOLT, 2-POLE, 3-WIRE,

F.1. TOGGLE TYPE SWITCH, 20 AMP, 120/277 VOLT AC SINGLE-POLE, QUITE

G.1. WALL MOUNTED VACANCY SENSOR SHALL BE DUAL TECHNOLOGY WITH

OR FLUORESCENT LIGHT. SENSOR TO HAVE 180° FIELD OF VIEW,

GROUPS OF SWITCHES OR SWITCH AND OUTLET COMBINATIONS SHALL BE

MOUNTED UNDER ONE COVER PLATE. COVER PLATES SHALL FIT DEVICES

"FEED THROUGH" TO NEXT SWITCH OR OUTLET. WHERE MORE THAN ONE

AND FINISHED APPEARANCE FLUSH WITH SURROUNDING SURFACES.

SERVICE TO THE REMAINDER OF THE BRANCH CIRCUIT WIRING.

INSTALL WALL-MOUNTED RECEPTACLES WITH GROUND SLOT UP.

WITH LONG DIMENSION PARALLEL TO FLOOR AND COUNTER-TOP.

SECTION 16510 — LIGHTING FIXTURES

AS REQUIRED BY AUTHORITY HAVING JURISDICTION.

BALLAST GENERATED NOISE

FULFILL REQUIREMENTS.

MISSING PIECES.

OFF/AUTO/ON SLIDE SWITCH, ADJUSTABLE TIME-OUT FROM 1 TO 20

MINUTES, AND LED MOVEMENT INDICATOR PILOT. SENSOR SHALL BE

WALL SWITCHES. SENSOR FACE AND COVER PLATE SHALL BE IVORY.

SECURELY AND SHALL COVER WALL OPENING COMPLETELY TO PROVIDE A NEAT

TERMINALS ON SWITCHES AND CONVENIENCE OUTLETS SHALL NOT BE USED TO

GROUND, COMMON NEUTRAL, OR COMMON PHASE CONDUCTOR ENTERS A BOX,

OTHER AND ARRANGEMENT SHALL BE SUCH THAT DISCONNECTING OR REMOVAL

RECEPTACLE MOUNTED ABOVE COUNTER-TOP SHALL BE INSTALLED HORIZONTAL,

PROVIDE LIGHTING FIXTURES, OF SIZES, TYPES AND RATINGS INDICATED, COMPLETE

WITH, BUT NOT LIMITED TO, HOUSINGS, ENERGY-EFFICIENT LAMPS, LAMP HOLDERS,

REFLECTORS, ENERGY EFFICIENT BALLAST, STARTERS AND WIRING. SHIP FIXTURES

METAL PARTS GROUNDED AS COMMON UNIT, AND SO CONSTRUCTED AS TO DAMPEN

ACCORDANCE WITH FIXTURE MANUFACTURER'S WRITTEN INSTRUCTIONS, APPLICABLE

REQUIREMENTS OF NEC, NECA'S "STANDARD OF INSTALLATION," NEMA STANDARDS,

AND WITH RECOGNIZED INDUSTRY PRACTICES TO ENSURE THAT LIGHTING FIXTURES

4. EMERGENCY LIGHTING SHALL HAVE MINIMUM OF 90 MINUTES BATTERY BACK-UP, OR

FACTORY-ASSEMBLED, WITH THOSE COMPONENTS REQUIRED FOR A COMPLETE

INSTALLATION. DESIGN FIXTURES WITH CONCEALED HINGES AND CATCHES, WITH

2. REVIEW MATERIALS AT TIME OF DELIVERY AND IMMEDIATELY REPORT DAMAGE OR

ALL LIKE CONDUCTORS SHALL BE IN GOOD ELECTRICAL CONTACT WITH EACH

OF A DEVICE FED FROM THE BOX WILL NOT INTERFERE WITH OR INTERRUPT

PLASTER EARS, SIDE-WIRED SCREW TERMINALS, MEETS FEDERAL SPEC

E.G. ISOLATED GROUND DUPLEX RECEPTACLE, 20 AMP, 125 VOLT, 2-POLE,

FROM MOUNTING YOKE, NEMA CONFIGURATION 5-20RIG.

SAME MAKE AS FOR SINGLE-POLE.

G. OCCUPANCY/VACANCY SENSOR LIGHTING CONTROL:

4. INSTALLATION OF WIRING DEVICES AND ACCESSORIES:

EQUIVALENT MANUFACTURER, UNLESS NOTED OTHERWISE

CHECK IN/OUT AREAS SHALL BE STAINLESS STEEL

- 2. METAL OUTLET, DEVICE, AND SMALL WIRING BOXES:
- A. GENERAL: CONFORM TO UL 514A. "METALLIC OUTLET BOXES. ELECTRICAL." AND UL 514B, "FITTINGS FOR CONDUIT AND OUTLET BOXES." BOXES SHALL BE OF TYPE, SHAPE, SIZE, AND DEPTH TO SUIT EACH LOCATION AND APPLICATION.
- 3. PULL AND JUNCTION BOXES:
 - A. COMPLY WITH UL 50, "ELECTRICAL CABINETS AND BOXES", FOR BOXES OVER 100 3. WIRING DEVICES: CUBIC INCHES VOLUME. BOXES SHALL HAVE SCREWED OR BOLTED ON COVERS OF MATERIAL SAME AS BOXES AND SHALL BE OF SIZE AND SHAPE TO SUIT APPLICATION.
- COMPLY WITH UL 50, "ELECTRICAL CABINETS AND BOXES." SHEET STEEL, NEMA 1 CLASS EXCEPT AS OTHERWISE INDICATED. CABINET SHALL CONSIST OF A BOX AND FRONT CONSISTING OF ONE-PIECE FRAME AND HINGED DOOR. ARRANGE DOOR TO CLOSE AGAINST A RABBET PLACED ALL AROUND THE INSIDE EDGE OF THE FRAME, WITH UNIFORMLY CLOSE FIT BETWEEN DOOR AND FRAME. PROVIDE CONCEALED FASTENERS. NOT OVER 24-INCHES APART, TO HOLD FRONTS TO CABINET BOXES AND PROVIDE FOR ADJUSTMENT. PROVIDE FLUSH OR CONCEALED DOOR HINGES NOT OVER 24-INCHES APART AND NOT OVER 6-INCHES FROM TOP AND BOTTOM OF DOOR. FOR FLUSH CABINETS, MAKE FRONT APPROXIMATELY 3/4 INCH LARGER THAN BOX ALL AROUND. FOR SURFACE MOUNTED CABINETS MAKE FRONT SAME HEIGHT AND WIDTH AS BOX.
- B. DOORS: PROVIDE DOUBLE DOORS FOR CABINETS WIDER THAN 24-INCHES. TELEPHONE CABINETS WIDER THAN 48-INCHES MAY HAVE SLIDING OR REMOVABLE
- C. LOCKS: PROVIDE COMBINATION SPRING CATCH AND KEY LOCK, WITH ALL LOCKS FOR CABINETS OF SAME SYSTEM KEYED ALIKE. LOCKS MAY BE OMITTED ON SIGNAL, POWER, AND LIGHTING CABINETS LOCATED WITHIN WIRE CLOSETS AND MECHANICAL-ELECTRICAL ROOMS. LOCKS SHALL BE OF TYPE TO PERMIT DOORS TO LATCH CLOSED WITHOUT LOCKING.
- 5. WEATHERPROOF PULL AND SPLICE BOXES: BOXES SHALL BE NEMA 12 AND 13 RATED, ALL STEEL CONSTRUCTION CONFORMING TO J.I.C. STANDARD EGP-1-1997. EXTERNAL MOUNTING FEET FOR SURFACE MOUNTING. PROVIDE OIL-RESISTANT GASKET ATTACHED TO INSIDE OF DOOR COVER. PROVIDE CONTINUOUS HINGE AND EXTERNAL SCREW CLAMP FOR QUICK OPENING AND CLOSING.
- 6. FLOOR BOXES IN SLABS ON GRADE AND WET LOCATIONS SHALL BE NEMA TYPE 4, CAST-IRON BOXES WITH THREADED HUBS. <u>PLASTIC FLOOR BOXES ARE NOT APPROVED</u>. INSTALL IN CONCRETE FLOOR SLABS SO THEY ARE COMPLETELY APPROVED. INSTALL IN CONCRETE FLOOR SLABS SO ENVELOPED IN CONCRETE EXCEPT FOR THE TOP. WHERE NORMAL SLAB THICKNESS WILL NOT ENVELOP BOX AS SPECIFIED ABOVE, PROVIDE INCREASED THICKNESS OF SLAB. PROVIDE EACH COMPARTMENT OF EACH FLOOR BOX WITH GROUNDING TERMINAL CONSISTING OF A WASHER-IN-HEAD MACHINE SCREW, NOT SMALLER THAN NO. 10-32, SCREWED INTO TAPPED HOLE IN BOX. ADJUST COVERS OF FLOOR BOXES FLUSH WITH FINISHED FLOOR.
- 8. WHEN TWO OR MORE PHASES OF 277/480 VOLT SYSTEM ARE CONNECTED TO ADJACENT SWITCHES IN THE SAME BOX, PROVIDE BARRIERS BETWEEN SWITCHES. PROVIDE BARRIERS BETWEEN 120 AND 277 VOLTS.
- . ELECTRICALLY GROUND METALLIC CABINETS, BOXES, AND ENCLOSURES. WHERE WIRING TO ITEM INCLUDES A GROUNDING CONDUCTOR, PROVIDE GROUNDING TERMINAL IN THE INTERIOR OF CABINET, BOX OR ENCLOSURE.

DISCONNECTS, CONTACTORS, STARTERS MANUFACTURERS: EQUIPMENT SHALL BE SUPPLIED FROM SAME MANUFACTURER AS

2. TEMPERATURE RATINGS: CONDUCTOR TERMINALS AND EQUIPMENT ENCLOSURES TO BE U.L. LISTED FOR USE WITH MINIMUM 75°C RATED CONDUCTORS.

PANELBOARD. REFER TO SECTION 16470 FOR PANELBOARD INFORMATION.

- 3. DISCONNECT SWITCHES:
- A. PROVIDE CIRCUIT AND MOTOR DISCONNECT SWITCHES OF TYPES, SIZES AND ELECTRICAL CHARACTERISTICS INDICATED ON DRAWINGS, FUSIBLE OR NON-FUSED TYPE. RATED 250 OR 600 VOLTS. 60 HZ. 2— OR 3—POLES. SOLID NEUTRAL: AND INCORPORATING QUICK-MAKE, QUICK-BREAK TYPE SWITCHES; CONSTRUCT SO THAT SWITCH BLADES ARE VISIBLE IN OFF POSITION WITH DOOR OPEN. SWITCH SHALL HAVE DUAL COVER INTERLOCK TO PREVENT UNAUTHORIZED OPENING OF SWITCH DOOR WHEN HANDLE IS IN "ON" POSITION, AND TO PREVENT CLOSING OF SWITCH MECHANISM WITH DOOR OPEN. EQUIP WITH OPERATING HANDLE WHICH IS INTEGRAL PART OF ENCLOSURE BASE AND WHOSE POSITION IS EASILY RECOGNIZABLE. AND IS PADLOCKABLE IN OFF POSITION: CONSTRUCT CURRENT CARRYING PARTS OF HIGH-CONDUCTIVITY COPPER, WITH SILVER-TUNGSTEN TYPE SWITCH CONTACTS, AND POSITIVE PRESSURE TYPE REINFORCED FUSE CLIPS. PROVIDE SWITCH IN NEMA 1 OR NEMA TYPE 3R ENCLOSURE AS INDICATED OR REQUIRED. INSTALL ENGRAVED PLASTIC PLATE FOR EACH SWITCH INDICATING WHAT
- B. EQUIPMENT REQUIRING DISCONNECTING MEANS, RATED FOR 120 OR 208 VOLT SINGLE PHASE, UP TO 30 AMPERES MAY BE PROVIDED WITH A SNAP-SWITCH TYPE TOGGLE DEVICE AT EQUIPMENT. DEVICE SHALL HAVE AMPERE AND VOLTAGE RATING EQUAL TO OR GREATER THAN THE BRANCH CIRCUIT FEEDING THE EQUIPMENT. IF EQUIPMENT IS MOTOR RELATED, SWITCH SHALL BE HORSEPOWER RATED. SWITCHES LOCATED OUTDOORS OR IN COOLER/FREEZER APPLICATIONS SHALL BE MOUNTED IN DIE-CAST ALUMINUM DEVICE BOX WITH GASKETED WEATHERPROOF COVER PLATE.
- 4. RELAYS AND CONTACTORS:
- A. LIGHTING CONTACTORS SHALL BE EQUIVALENT TO SQUARE 'D', CLASS 8903, PROVIDED WITH COIL VOLTAGE AND LOAD CONTACT RATINGS AS SHOWN ON DRAWINGS. PROVIDE NUMBER OF POLES REQUIRED PER PLANS AND SCHEDULES. CONTACTORS SHALL BE PROVIDED WITH SILVER ALLOY DOUBLE BREAK CONTACTS RATED FOR TUNGSTEN AND BALLAST LIGHTING LOADS. CONTACTS SHALL BE CONVERTIBLE WITH NORMALLY OPEN AND NORMALLY CLOSED INDICATORS. RELAY 3. INSTALL LIGHTING FIXTURES AT LOCATIONS AND HEIGHTS AS INDICATED, IN SHALL BE MOUNTED IN NEMA TYPE 1 ENCLOSURE.
- INSTALLATION OF DISCONNECTS AND STARTERS:
- A. SURFACE MOUNT ON WALLS OR COLUMNS APPROXIMATELY 5'-0" TO CENTERLINE ABOVE FLOOR WHERE POSSIBLE.
- B. DISCONNECT SWITCHES MOUNTED ON ROOFTOP AIR CONDITIONING UNITS SHALL BE CAULKED BETWEEN SWITCH AND UNIT TO PROVIDE WEATHERPROOF SEAL. VERIFY EXACT MOUNTING LOCATION ON UNIT SO AS NOT TO COVER UP REMOVABLE PANELS OR EQUIPMENT NAME PLATE.
- WHEN RELAYS OR CONTACTORS ARE INDICATED TO BE LOCATED ABOVE CEILING, EQUIPMENT SHALL BE READILY ACCESSIBLE IN NEMA 1 ENCLOSURE AND SOUND INSULATED FROM THE MOUNTING SUPPORTS.

SECTION 16470 – PANELBOARDS

- MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PANELBOARD PRODUCTS OF ONE OF THE FOLLOWING (FOR EACH TYPE AND RATING
- OF PANELBOARD AND ENCLOSURE): A. GENERAL ELECTRIC COMPANY
- B. SQUARE D COMPANY
- EATON CORPORATION D. SIEMEN'S, I.T.E.
- 2. PANELBOARDS: PROVIDE DEAD-FRONT SAFETY TYPE LIGHTING AND APPLIANCE PANELBOARDS, RATED AS INDICATED ON DRAWINGS. MINUMUM INTERRUPTING CAPACITY RATING OF PANEL AND DEVICES TO BE 14,000A AIC (480/277V) OR 10,000 AIC (208/120V) UNLESS NOTED OTHERWISE ON THE DRAWINGS. PANELBOARD SWITCHING AND PROTECTIVE DEVICES IN QUANTITIES, RATINGS, TYPE AND WITH ARRANGEMENT SHOWN; WITH ANTI-TURN SOLDERLESS PRESSURE TYPE MAIN LUG CONNECTORS APPROVED FOR COPPER CONDUCTORS. EQUIP WITH ALUMINUM BUS BARS, AND FULL-SIZED NEUTRAL BUS: PROVIDE SUITABLE LUGS ON GRADE), WITH GREEN HEXAGONAL EQUIPMENT GROUND SCREW, METAL PLASTER NEUTRAL BUS FOR OUTGOING FEEDERS REQUIRING NEUTRAL CONNECTIONS. PROVIDE MOLDED-CASE MAIN AND BRANCH CIRCUIT BREAKER TYPES FOR EACH CIRCUIT, WITH TOGGLE HANDLES THAT INDICATE WHEN TRIPPED. WHERE MULTIPLE-POLE BREAKERS ARE INDICATED, PROVIDE WITH COMMON TRIP SO OVERLOAD ON ONE POLE WILL TRIP ALL POLES SIMULTANEOUSLY. PROVIDE A BARE

UNINSULATED GROUNDING BAR SUITABLE FOR BOLTING TO ENCLOSURE.

- 3. MOLDED-CASE CIRCUIT BREAKERS: PROVIDE FACTORY ASSEMBLED, MOLDED CASE CIRCUIT BREAKERS OF FRAME SIZE INDICATED. PROVIDE BREAKERS WITH PERMANENT THERMAL AND INSTANTANEOUS MAGNETIC TRIPS IN EACH POLE AND AMPERE RATING AS INDICATED. CONSTRUCT WITH OVER CENTER, TRIP-FREE, TOGGLE TYPE OPERATING MECHANISMS WITH QUICK-MAKE, QUICK-BREAK ACTION AND POSITIVE HANDLE INDICATION. CONSTRUCT BREAKERS FOR MOUNTING AND OPERATING IN ANY PHYSICAL POSITION AND OPERATING IN AN AMBIENT TEMPERATURE OF 40C. PROVIDE BREAKERS WITH MECHANICAL SCREW TYPE REMOVABLE CONNECTOR LUGS, AL/CU RATED. ALL BREAKERS TO BE BOLT-IN TYPE CONSTRUCTION. ALL BREAKERS TO BE UL489 LISTED.
- A. ALL SINGLE POLE BREAKERS TO BE RATED FOR "SWITCHING DUTY" (SWD) AND
- FOR OPERATION ON FLUORESCENT LIGHTING SOURCES. B. ALL CIRCUIT BREAKERS PROTECTING HIGH INTENSITY DISCHARGE (HID) LIGHTING
- C. CIRCUIT BREAKERS USED ON HEATING, AIR CONDITIONING, OR REFRIGERATION EQUIPMENT SHALL BE TYPE "HACR" AND U.L. LISTED FOR SUCH USE.

TO BE RATED AND LABELED "HID" FOR OPERATION ON H.I.D. LIGHTING SOURCES













Ш

These drawings/specifications are the property of Oculus Inc. They are furnished as contract documents only. The seal(s) and signature(s) apply nly to the document to which they are affixed, and expressly disclaim a responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty or certification relating to the performance of products and materials beyond those provided by their respective manufacturer.

© 2022 Oculus Inc.



FOR PERMIT

Client Approval

Drawn by

Checked by

ELECTRICAL SPECIFICATIONS

43422-KS04 Project# 01/30/2023 Issue Date Scale As indicated

LIGHTING GENERAL NOTES

- A. CONNECT EXIT SIGNS, EMERGENCY AND NIGHT LIGHTS TO UNSWITCHED LIGHTING CIRCUIT, NOT CONTROLLED BY OCCUPANCY SENSORS, SWITCHES OR CONTACTORS.
- 3. PROVIDE DEDICATED NEUTRAL WITH ALL DIMMING SYSTEM CIRCUITS. NO COMMON NEUTRALS SHALL BE ALLOWED.
- REFER TO "RECESSED LIGHTING FIXTURE SUPPORT DETAIL" FOR INFORMATION ON SUPPORT OF ALL RECESSED LIGHT FIXTURES.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND DETAILS FOR LOCATION OF ALL LIGHTING FIXTURES AND ALL OTHER EQUIPMENT INSTALLED IN THE CEILING SYSTEM. VERIFY MOUNTING HEIGHTS AND FINISHES WITH ARCHITECT PRIOR TO ROUGH-IN.
- . REFER TO POWER PLANS FOR LOCATIONS OF ELECTRICAL EQUIPMENT.
- PROVIDE (2) ADDITIONAL #12 CONDUCTORS FOR ALL 0-10V DIMMING

LIGHTING PLAN KEYED NOTES

- 2 EXHAUST HOOD LIGHTS SUPPLIED WITH HOOD AND MOUNTED IN DRAWINGS FOR MORE INFORMATION.
- 3 COOLER LIGHTS SUPPLIED WITH COOLER AND MOUNTED IN PRE-WIRED JUNCTION BOX. MAKE FINAL CONNECTION. REFER TO MANUFACTURER'S DRAWINGS FOR MORE INFORMATION.

- 1 PROVIDE WEATHERPROOF JUNCTION BOX AND 1P, 20A TOGGLE SWITCH FOR EXTERIOR SIGNAGE. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION
- PRE-WIRED JUNCTION BOX. MAKE FINAL CONNECTION. REFER TO HOOD

of these associated elements, or for any work the engineer has not signed and sealed



Description

These drawings/specifications are the property of Oculus Inc. They are furnished as contract documents only. The seal(s) and signature(s) apply only to the document to which they are affixed, and expressly disclaim any responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty or certification relating to the performance of products and materials beyond those provided by their respective manufacturer.
© 2022 Oculus Inc.



FOR PERMIT

Client Approval

Checked by

LIGHTING PLAN

43422-KS04 Project# 01/30/2023 Issue Date Scale As indicated Drawn by

MANUFACTURER & CATALOG NUMBER 2x4 LED FLAT PANEL 2x4 LED

LIGHTING FIXTURE SCHEDULE

LED RECESSED CTRA-FP24-50L-35K-WH LED RECESSED 120 60 RP-24-LED-60-DMV-35-18 2x2 LED LED RECESSED 120 RP-22-LED-42-DMV-35-9 JUNO LIGHTING TRACK: R-SERIES REFER TO PLAN FOR TRACK LENGTH LED 120 LED TRACK LIGHTING TRACK HEAD: R600L-G2-35K-WH AND CURRENT LIMITER SIZE CURRENT LIMITER: END FEED R-SERIES W1 WALL SCONCE POLISHED NICKEL. 120 WALL BUG EYE EMERGENCY FIXTURE -EXITRONIX: LED WALL 120 WITH 90 MINUTES BATTERY BACKUP LED-90 EXITRONIX: WITH 90 MINUTES BATTERY BACKUP EXIT SIGN WITH RED LETTERS LED WALL 120 EMERGENCY BUG EYE WITH EXIT EXITRONIX: 120 LED SURFACE WITH 90 MINUTES BATTERY BACKUP DUAL-HEAD REMOTE EMERGENCY EXITRONIX: FIXTURE, WHITE HOUSING 6V, LED SURFACE 120 10 WITH 90 MINUTES BATTERY BACKUP 2HLED-WP LAMP INCLUDED

LAMPS & BALLAST

MOUNTING

| VOLTS | WATTS

REMARKS

LIGHTING FIXTURE GENERAL NOTES

- A. ELECTRICAL CONTRACTOR SHALL PROVIDE LIGHT FIXTURES. FIXTURES SHALL BE PURCHASED FROM OWNER'S NATIONAL BUY-OUT CONTRACT (HERMITAGE LIGHTING). THIS INFORMATION SHALL BE VERIFIED PRIOR TO PREPARATION OF THIS CONTRACTOR'S BID.
- B. INSTALL LIGHT FIXTURES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND APPLICABLE CODE REQUIREMENTS.
- C. VERIFY EXACT MOUNTING HEIGHT AND FINISH OF LIGHTING FIXTURES WITH ARCHITECT PRIOR TO PLACING ORDER OR COMMENCING ROUGH—IN.
- D. WIRING CONNECTIONS TO EXTERIOR WALL MOUNTED FIXTURES SHALL BE WEATHER TIGHT. USE WEATHERPROOF JUNCTION BOXES, FITTINGS, COVERPLATES, ETC. AS REQUIRED TO PREVENT ENTRY OF WATER INTO WIRING BOXES. (EXTERIOR ONLY)

ALL WIRES ARE TO BE TAUT WITH A MINIMUM OF 3 TIGHT TURNS AROUND SELF - TYPICAL

- STRUCTURE

EXPOSED T-BAR CEILING

_ HILTI CC27 CLIP OR EQUAL

LIGHT FIXTURE,

- SUPPORT RESTRAINT

CLIP MINIMUM (4) PER

SECURELY ATTACHED

TO CEILING GRID PER

N.E.C. 410.36(B)

02 RECESSED LIGHTING FIXTURE SUPPORT DETAIL

NOT TO SCALE NOTE: FIXTURE INSTALLATION TO COMPLY WITH ASTM C636-96 AND

U.B.C. SECTION 25.213.

O1 LIGHTING PLAN

1/4"=1'-0"

#12 SAFETY WIRE TIED TO SAFETY

WIRE SUPPORT HOLES & FASTENED

TO BLDG. STRUCTURE. MINIMUM (2) SAFETY WIRES PER LIGHT FIXTURE

PLACED AT DIAGONAL CORNERS. IF CEILING SYSTEM IS FIRE RATED, WIRES

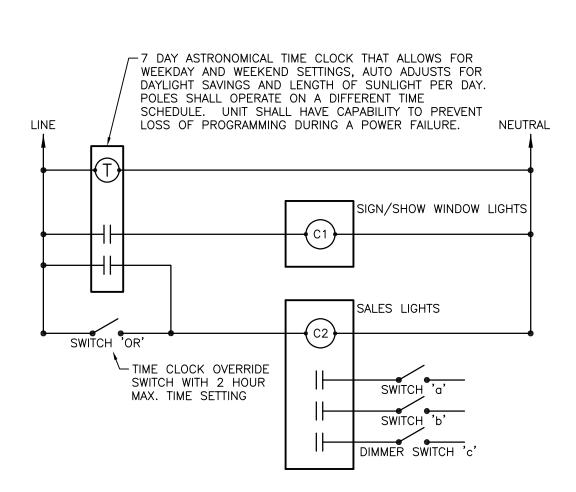
ARE TO BE DISTINGUISHABLE BY

COLOR OR TAGGING PER NEC

300.11(1). _____

LIGHT FIXTURE SAFETY WIRE SUPPORT HOLE,

TYPICAL -



MINIMUM INTERRUPTING RATING FOR ALL RELAYS AND CONTACTORS SHALL BE 10,000 A.I.C.

O3 LIGHTING CONTROL DIAGRAM

NOT TO SCALE

HOOD

CONTROL

LIGHT SWITCH 😽

120V/1P -

FAN(S) SWITCH 6

DETAIL CODED NOTES:

- 1 PROVIDE FIELD WIRING TO HOOD TEMPERATURE SENSORS PER MANUFACTURER'S SPECIFICATIONS.
- 2 ELECTRICALLY OPERATED GAS VALVE FOR COOKING EQUIPMENT BY OTHERS (IF REQUIRED).
- 3 FIRE SYSTEM MICRO SWITCH, OPENS WHEN FIRE
- SYSTEM DISCHARGES. 4 SHUNT-TRIP COIL W/CLEARING CONTACT OF
- EQUIPMENT BREAKER. SEE PANEL SCHEDULE FOR ADDITIONAL INFORMATION.
- 5 PROVIDE ALL 120V AND LOW VOLTAGE CONNECTIONS BETWEEN HOOD CONTROL PANEL AND FANS. SEE HOOD MANUFACTURER WIRING DIAGRAMS FOR WIRING REQUIREMENTS.

- DETAIL GENERAL NOTES:

 A. REFERENCE MECHANICAL DRAWINGS FOR HOOD MANUFACTURER DETAILS AND WIRING DIAGRAMS.

 B. INTERLOCK WIRING FOR MOTOR STARTER
- FURNISHED WITH HOOD.
- C. INTERLOCK WIRING FOR GAS VALVE BY ELECTRICAL CONTRACTOR.
- D. COORDINATE EXACT QUANTITY OF CONTACTOR POLES WITH PANEL SCHEDULES.
- MAKE FINAL CONNECTIONS BETWEEN TEMPERATURE SENSOR INSTALLED IN HOOD AND HOOD CONTROL PANEL. REFER TO HOOD DRAWING FOR ADDITIONAL INFORMATION.
- F. REFER TO ELECTRICAL PANEL SCHEDULES FOR PANEL CONNECTIONS.

O2 REMOTE HOOD FIRE PULL STATION NOT TO SCALE

-1/2" DIA. CONDUIT-ONLY, PROVIDED BY ELECTRICAL CONTRACTOR. EXTEND CONDUIT INSIDE WALL TO ABOVE

-PROVIDE 4" OCTAGONAL JUNCTION BOX WITH SCREW THREADS

MISCELLANEOUS EQUIPMENT SHALL BE PROVIDED BY OTHERS.

NOTE: COORDINATE EXACT LOCATION WITH AUTHORITY HAVING

JURISDICTION, FIRE INSPECTOR AND ARCHITECT PRIOR

TO ROUGH-IN. PROVIDE 1 PULL STATION FOR EVERY

ACCESSIBLE CEILING SPACE.

SET AT THE 2 & 8 O'CLOCK POSITIONS.

REMOTE FIRE PULL STATION. CABLE AND OTHER

TYPE 1 HOOD SHOWN ON DRAWING.

O1 POWER PLAN 1/4"=1"-0"

EXHAUST HOOD #1 SHUT-DOWN WIRING DIAGRAM (HCP)

'KEF-1'

POWER GENERAL NOTES

- A. VERIFY EXACT LOCATIONS OF HVAC AND PLUMBING EQUIPMENT, CONDUIT STUB-UPS AND POWER CONNECTIONS PRIOR TO ROUGH-IN.
- . VERIFY EXACT LOCATION, MOUNTING HEIGHTS AND CONDUIT ROUTING FOR ALL THERMOSTATS, TEMPERATURE SENSORS, HUMIDISTATS AND CO2
- SENSORS PRIOR TO ROUGH-IN. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL ELECTRICAL REQUIREMENTS. COORDINATE PROVISIONS FOR CONTROL CONDUIT AND WIRING AS REQUIRED FOR INTERLOCKING OF FANS,
- MOTORS, ETC. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. MOUNT DEVICES INSTALLED ON EQUIPMENT ON NON-REMOVABLE PANEL.

COORDINATE LOCATION PRIOR TO COMMENCING ROUGH-IN WORK.

POWER PLAN KEYED NOTES

- 1 RECIRCULATION PUMP. COORDINATE WITH PLUMBING AND ROUTE THROUGH LIGHTING CONTROLLER.
- 2 PROVIDE TOGGLE DISCONNECT SWITCH FOR EXISTING ELECTRIC WATER HEATER. COORDINATE REQUIREMENTS WITH PLUMBING.
- 3 COORDINATE EXACT LOCATION OF POWER OUTLET WITH MANUFACTURER'S INSTRUCTION.
- 4 PROVIDE CAT6 DATA OUTLET AT TELEPHONE/DATA/TV SHELF ON NEW SOFFIT. MOUNT 6" BELOW CEILING. COORDINATE EXACT LOCATION PRIOR TO ROUHG-IN.
- 5 FINAL LOCATION OF TAMPER-RESISTANT OUTLETS IN DINING WILL BE DETERMINE BY OWNER. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.
- 6 PROVIDE 3/4" CONDUIT WITH CAT6 CABLE TO TELELPHONE/DATA/TV
- 7 1" CONDUIT WITH PULLSTRING TO LANDLORD TELEPHONE DEMARC LOCATION.
- 8 SINGLE POINT HARDWIRED CONNECTION TO CONTROL PANEL FOR SEWAGE EJECTOR PUMP. COORDINATE ALL REQUIREMENTS WITH PLUMBING AND MANUFACTURER.

KITCHE	EN EQUIPMENT SCHED	ULE
EQUIPMENT MARK	ITEM DESCRIPTION	VOLTA

EQUIPMENT MARK	ITEM DESCRIPTION	VOLTAGE-PHASE	LOAD (A)	TYPE OF CONNECTION	HEIGHT (AFF)	FEEDER CONDUCTOR & GROUND	PIPE	REMARKS
1A	4' MEAT CASE	120V-1P	6.0A	HARDWIRED	16"	(2)#12 & (1)#12G	3/4"	
3	4' DROP IN COLD UNIT	120V-1P	7.5A	NEMA 5-20	16"	(2)#12 & (1)#12G	3/4"	
3A	2' DROP IN COLD UNIT	120V-1P	7.5A	NEMA 5-20	16"	(2)#12 & (1)#12G	3/4"	
4	SLICER	120V-1P	3.5A	NEMA 5-20	16"	(2)#12 & (1)#12G	3/4"	
10	BREAD OVEN	208V-3P	32A	HARDWIRED	16"	(3)#8 & (1)#10G	3/4"	_
17	PEPSI COOLER	120V-1P	3.5A	NEMA 5-20	16"	(2)#12 & (1)#12G	3/4"	
18	WALK-IN COOLER	120V-1P	1A	HARDWIRED	-	(2)#12 & (1)#12G	3/4"	1
18A	CAPSULE PAK REFRIGERATION	208V-1P	8.7A	NEMA 6-20	-	(2)#12 & (1)#12G	3/4"	1
19	WALK-IN COOLER	120V-1P	1A	HARDWIRED	_	(2)#12 & (1)#12G	3/4"	1
19A	CAPSULE PAK REFRIGERATION	208V-1P	8.7A	NEMA 6-20	_	(2)#12 & (1)#12G	3/4"	1
21A	MEGA TOP	120V-1P	7.2A	NEMA 5-20	12"	(2)#12 & (1)#12G	3/4"	
22	GRILLE	120V-1P	6.0A	NEMA 5-20	16"	(2)#12 & (1)#12G	3/4"	
23	EXHAUST HOOD/FIRE SUPRESSION	120V-1P	15A	HARDWIRED	_	(2)#12 & (1)#12G	3/4"	
23A	CONDENSATE HOOD	120V-1P	15A	HARDWIRED	_	(2)#12 & (1)#12G	3/4"	
26	DRINK DISPENSER	120V-1P	9.3A	NEMA 5-20	16"	(2)#12 & (1)#12G	3/4"	
28	TEA BREWER/DISPENSER	120V-1P	14.4A	NEMA 5-20	16"	(2)#12 & (1)#12G	3/4"	
31B	BACON WARMER	120V-1P	3.5A	NEMA 5-20	16"	(2)#12 & (1)#12G	3/4"	
34	BAG N BOX	120V-1P	15A	NEMA 5-20	16"	(2)#12 & (1)#12G	3/4"	
46	ICE MAKER	120V-1P	15A	NEMA 5-20	16"	(2)#12 & (1)#12G	3/4"	

KITCHEN EQUIPMENT GENERAL NOTES

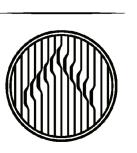
- A. MAKE FINAL CONNECTIONS TO KITCHEN EQUIPMENT.
- B. FOR ALL HARDWIRED CONNECTIONS:
- B.A. SHALL BE MADE WITH SEAL-TIGHT FLEXIBLE METAL CONDUIT WITH INSULATED GROUND WIRE INSTALLED WITH PHASE AND NEUTRAL CONDUCTORS. GROUND WIRE SHALL BE BONDED AT BOTH ENDS.
- B.B. PROVIDE A LOCK-OUT BREAKER ATTACHMENT (FOR EACH PIECE OF EQUIPMENT) FOR USE WHEN EQUIPMENT IS BEING SERVICED.
- CONTRACTOR TO VERIFY ALL KITCHEN EQUIPMENT CONNECTIONS (SCHEDULED AND OWNER PROVIDED) PRIOR TO ROUGH-IN OF CONDUITS AND BRANCH-CIRCUITS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEERS ATTENTION.
- D. THE FOLLOWING KITCHEN RECEPTACLES SHALL HAVE GFI PROTECTION BY MEANS OF BREAKERS OR SEPARATE UL 943C DEVICES: D.A. 120V AND 208V, SINGLE-PHASE, RATED LESS THAN 50A.

KITCHEN EQUIPMENT REMARKS

D.B. 208V THREE-PHASE, RATED LESS THAN 100A.

COORDINATE ALL LOCATIONS, REQUIREMENTS AND CONNECTION POINTS WITH COOLER INSTALLER. PROVIDE ALL FINAL CONNECTIONS FOR A COMPLETE INSTALLATION.

Checked by

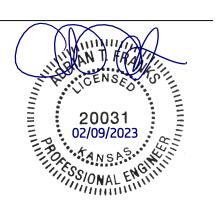






ERSEY

These drawings/specifications are the property of Oculus Inc. They are furnished as contract documents only. The seal(s) and signature(s) apply only to the document to which they are affixed, and expressly disclaim any responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty or certification relating to the performance of products and materials beyond those provided by their respective manufacturer.
© 2022 Oculus Inc.

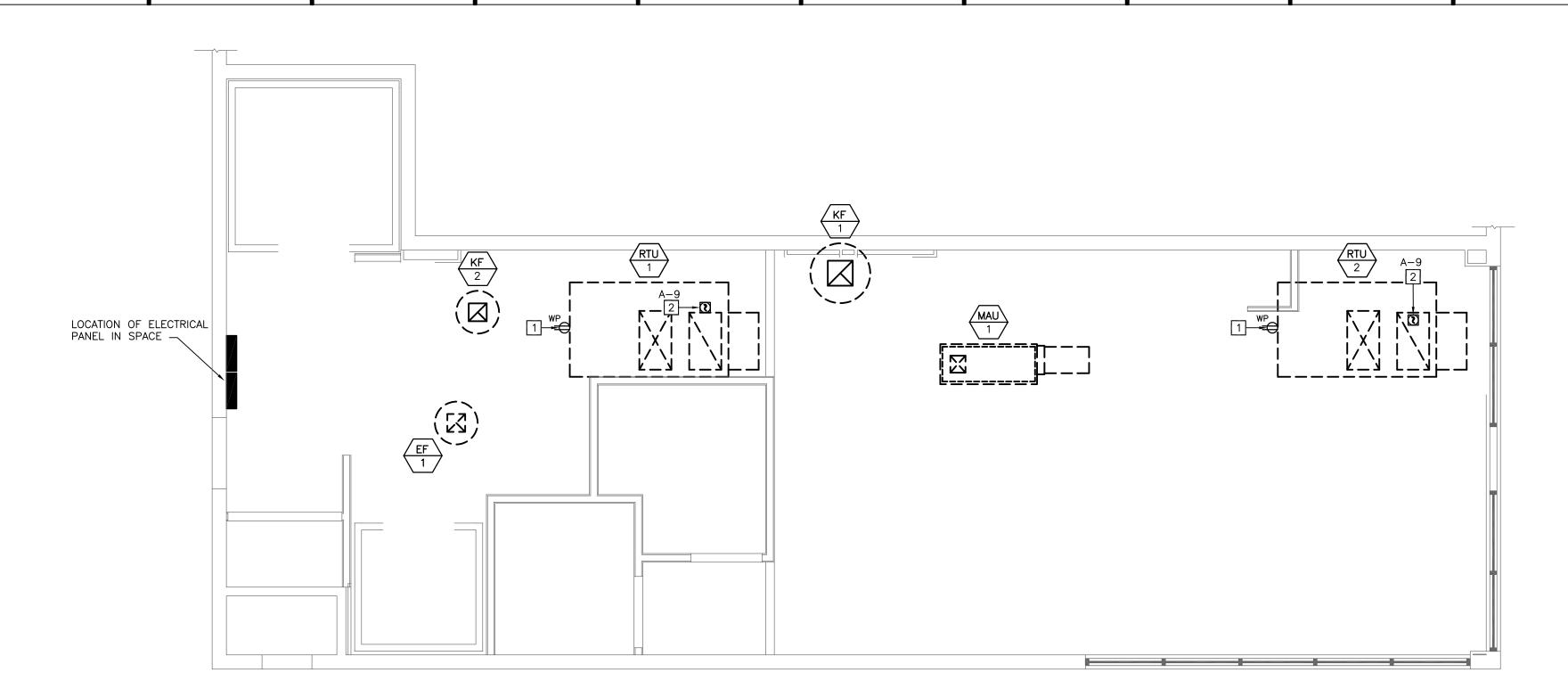


FOR PERMIT

Client Approval

POWER PLAN

43422-KS04 Project# 01/30/2023 Issue Date Scale As indicated Drawn by



O1 POWER PLAN - ROOF $\frac{1}{4''=1'-0''}$

POWER PLAN KEYED NOTES

- 1 FACTORY PROVIDED WEATHERPROOF SERVICE RECEPTACLE FOR MECHANICAL EQUIPMENT POWERED INTEGRALLY.
- 2 MECHANICAL CONTRACTOR SHALL PROVIDE DUCT MOUNTED SMOKE DETECTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY POWER CONNECTIONS.









These drawings/specifications are the property of Oculus Inc. They are furnished as contract documents only. The seal(s) and signature(s) apply only to the document to which they are affixed, and expressly disclaim any responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty or certification relating to the performance of products and materials beyond those provided by their respective manufacturer.
© 2022 Oculus Inc.



FOR PERMIT

Client Approval

POWER PLAN - ROOF

43422-KS04 Project# 01/30/2023 Issue Date Scale As indicated Drawn by Checked by

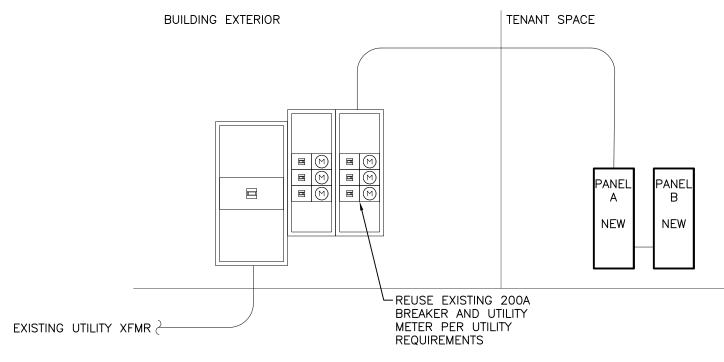
EQUIPMENT FEEDER SCHEDULE PANEL -CIRCUIT(S) EQUIPMENT MOCP REMARKS RTU-1208V-3P A-37,39,41 50A (3)#8 & (1)#10G 3/4" INTEGRAL RTU-2 208V-3P A-38,40,42 45A (3)#8 & (1)#10G 3/4" INTEGRAL 120V-1P A-29 25A (2)#10 & (1)#10G 3/4" INTEGRAL NF 3/4" KF-1 120V-1P A-23 15A (2)#12 & (1)#12G INTEGRAL - | - | NF – KF-2 120V-1P A - 3315A (2)#12 & (1)#12G 3/4" INTEGRAL A-5 (2)#12 & (1)#12G 3/4" INTEGRAL

EQUIPMENT FEEDER GENERAL NOTES

- A. DISCONNECT SWITCHES FOR 120V OR 277V EQUIPMENT UNDER 30 AMPS SHALL BE MOTOR RATED TOGGLE SWITCHES.
- B. CONTRACTOR IS RESPONSIBLE FOR ALL FINAL CONNECTIONS TO EQUIPMENT.
- C. COORDINATE EXACT ROUGH-IN LOCATIONS PRIOR TO START OF CONSTRUCTION.
- D. ALL MULTI-VOLT DISCONNECT SWITCHES PROVIDED BY THIS CONTRACTOR SHALL COME WITH A NEUTRAL AND GROUND LUG KIT.

EQUIPMENT FEEDER REMARKS

- 1. EXHAUST FAN SHALL OPERATE CONTINUOUSLY DURING OCCUPIED HOURS.
- 2. ROUTE EQUIPMENT THROUGH HOOD CONTROL PANEL. SEE "HOOD CONTROL DIAGRAM", ON THIS SHEET AND HOOD CONTROL DRAWINGS FOR ADDITIONAL
- 3. EQUIPMENT SHALL BE CONNECTED TO HOOD #1 CONTROL PANEL. REFER TO HOOD DRAWING FOR CONNECTION REQUIREMENT.
- 4. EQUIPMENT CONTROLLED THRU TEMPERATURE SENSOR. REFER TO CAPTIVE AIRE PLAN FOR ADDITIONAL INFORMATION.



O1 ELECTRICAL RISER DIAGRAM

EQUIPMENT	DATING		FEEDER		DEMARKS	
MARK	RATING	SETS	CONDUCTORS AND GROUND	PIPE	MATERIAL	REMARKS
Α	200A	1	(4)#3/0 & (1)#6G	2-1/2"	COPPER	
В	100A	1	(4)#3 & (1)#8G	1-1/4"	COPPER	-

- . CONDUIT INSTALLED BELOW SLAB SHALL BE RIGID STEEL, IMC, PVC OR HDPE, MINIMUM 3/4". IF PVC OR HDPE IS USED, TRANSITION TO RIGID STEEL BEFORE TURNING UP AND PENETRATING FLOOR SLAB.
- . GROUNDING ELECTRODE SHALL BE ROUTED IN PVC CONDUIT AND CONNECTED TO UNPAINTED STEEL OR A GROUNDED COLD WATER PIPE.

PANEL: A			LC	CATION:	вон						N	EMA ENCLOSURE:	1
SYSTEM: 208/120V., 3P,4W				MAINS:	200A						CA	ABINET MOUNTING:	SURFACE
FEEDER: SEE RISER DIAGRA	MΑ											LUGS:	TOP
OPTIONS:												AIC RATING:	10,000
LOAD DESCRIPTION		BKR POLE		WATTS	CCT NO.	PHASE	CCT NO.	WATTS	NOTE	BKR POLE		LOAD DES	SCRIPTION
LIGHTING	20	1	C2	796	1	Α	2			1	20	SP/	\RE
EXTERIOR BUILDING SIGN	20	1	C1	1,200	3	В	4	360	C1	1	20	SHOW WIN	DOW RCPT
EF-1	15	1		696	5	С	6	720		1	20	DINING	RCPT
RCP (RE-CIRC PUMP)	20	1	C2	180	7	Α	8	360		1	20	RESTRO	OM RCPT
DUCT DETECTORS	20	1	LOC	200	9	В	10			1	20	SPA	\RE
23 - HOOD/FIRE SUPRESSION SYSTEM	20	1	LOC	1,800	11	С	12	360	O	1	20	CASH'	WRAP
17 - PEPSI COOLER	20	1	G	420	13	Α	14	905	G	2	20	18A - CAP	SULE PAK
SPARE	20	1			15	В	16	905					
23A - CONDENSATE HOOD	20	1	LOC	1,800	17	С	18	120	LOC	1	20		IN COOLER
FUTURE PRINTER	20	1	G	360	19	Α	20	905	G	2	20	19A - CAPSULE PAK	
SE - CONTROL PANEL/PUMP	20	1	G	500	21	В	22	905					
KF-1	15	1		1,176	23	С	24	120	LOC	1	20	19 - WALK-IN	
WH(E)	25	2		2,250	25	Α	26	200		1	20		CLOCK
				2,250	27	В	28	360	G	1	20		DUTLET
MAU-1	25	1		1,920	29	С	30		G	1	20		ARE
SPARE	20	1	G	0	31	Α	32	0	G	1	20	SPA	
KF-2	15	1	C2	228	33	В	34	0	G	1	20	SPA	
SPARE	20	1			35	С	36	0	G	1	20	SPA	\RE
				4,023	37	Α	38	3,374					
RTU-1	50	3		4,023	39	В	40	3,374		3	45	RT	U-2
				4,023	41	С	42	3,374					
								8,508					
								7,980		3	100	PANEL B	SUB-FEED
								8,124					
					SE A:	,	W					CONNECTED	DEMAND
						22,285						68,800 W	60,661 W
				PHA	SE C:	24,233	VV				L	191 A	168 A

PANEL:	В			LC	CATION:	вон						N	IEMA ENCLOSURE:	1
SYSTEM:	208/120V., 3P,4W	1			MAINS:	100A	MLO					CA	ABINET MOUNTING:	SURFACE
FEEDER:	SEE RISER DIAG	RAM											LUGS:	TOP
OPTIONS:													AIC RATING:	10,000
LOAI	D DESCRIPTION		BKR POLE		WATTS	CCT NO.	PHASE	CCT NO.	WATTS	NOTE	BKR POLE		LOAD DES	SCRIPTION
	SPARE	20	1		0	1	Α	2	720	G	1	20	1 - MEA	TCASE
	SPARE	20	1		0	3	В	4	900	G	1	20	3 - DROP - IN	COLD CASE
	SPARE	20	1	G	0	5	С	6	900	G	1	20	3A - DROP-IN	I COLD CASE
					3,840	7	Α	8	420	G	1	20	4 - S	LICER
10 -	BREAD OVEN	40	3	LOC	3,840	9	В	10	840	G	1	20	(2) 31B - BAC	ON WARMER
					3,840	11	С	12	720	ST	1	20	22 - G	RILLE
	SPARE	20	1		0	13	Α	14					SH	JNT
26 - DI	RINK DISPENSER	20	1	G	1,116	15	В	16	420	G	1	20	4 - SI	ICER
34	- BAG N BOX	20	1	G	1,800	17	С	18	0		1	20	SP/	ARE .
46	- ICE MAKER	20	1	G	1,800	19	Α	20	1,728	G	1	20	28 - ICE TEA BRE	WER/DISPENSER
21/	A - MEGA TOP	20	1	G	864	21	В	22						
21/	A - MEGA TOP	20	1	G	864	23	С	24					FULLY BUS	SED SPACE
		-												
					PHA	SE A: SE B: SE C:	7,980	W W W					CONNECTED 24,612 W 68 A	DEMAND 15,998 W 44 A

ELECTRICAL SERVICE LOAD SUMMARY

LOAD DESCRIPTION	CONNECTED WATTAGE	WATTAGE FACTOR		
LIGHTING	1,996	125%		2,495
SHOW WINDOW LIGHTING	360	200 W/FT	33 FT	6,600
RECEPTACLES	2,360	1ST 10KW @ 10	1ST 10KW @ 100%	
		REMAINING @ 5	50%	
KITCHEN EQUIPMENT	6,160	*** UP TO 65%	11 PC	4,004
CONTINUOUS MOTORS	9,866	125%		12,333
AIR CONDITIONING *	12,609	100% FULL A/C	LOAD	12,609
HEATING *	0	0% FULL HEATING	SLOAD	0
WATER HEATER	4,500	100%		4,500
MISCELLANEOUS	380	100%		380
		TOTAL WATT	S	45,281
		TOTAL AMPERA	\GE	126

NOTES:

* USE GREATER LOAD OF THE TWO CATEGORIES

- ** NUMBER OF ELEVATORS: 1=100%,2=95%,3=90%,4=85%,5=82%,6=79%,7=77%,8=75%,9=73%,10 OR MORE =72% *** PIECES OF EQUIPMENT: 1-2 = 100%, 3 = 90%, 4 = 80%, 5 = 70%, 6 AND MORE = 65%
- **** SUM OF VA RATINGS OF TRACK CURRENT LIMITING DEVICES

REQUIRED ELECTRICAL SERVICE

PANEL SCHEDULE NOTES

Y:_Projects\Active\2022\01202210.07\01202210.07. Calcs and Support\01202210.07.

Y:_Projects\Active\2022\01202210.07\01202210.07.Calcs and Support\01202210.07

CONTRACTOR TO FURNISH TWO "HANDLE PADLOCK ATTACHMENTS" FOR CIRCUIT BREAKERS. ATTACHMENT PIECES TO BE PROVIDED TO THE OWNER OR TO BE INSTALLED IN THE PANELBOARD FOR EASY ACCESS BY AN ELECTRICAL CONTRACTOR PERFORMING MAINTENANCE ON ELECTRICAL EQUIPMENT REQUIRING A DISCONNECTING MEANS, CAPABLE OF BEING PADLOCKED.

BALANCE PANELS WITHIN 10% PHASE TO PHASE.

1				 	
Circuit K	ey l	Note	es:		

LOC HANDLE LOCK "OFF/ON" CLAMP DEVICE

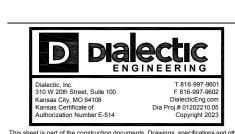
ST SHUNT TRIP BREAKER G GROUND FAULT CIRCUIT INTERUPTING BREAKER

mA 30 MILLI-AMP RATED BREAKER

C# ROUTE CIRCUIT THROUGH CONTACTOR INDICATED.







verify occasions and unimensions of an architectural and substance retrievals on their respective documents, as these elements are shown only for reference, and require verification prior to fabrication or construction. Engineer has no liability for the accuracy of these associated elements, or for any work the engineer has not signed and sealed.



JERSEY

These drawings/specifications are the property of Oculus Inc. They are furnished as contract documents only. The seal(s) and signature(s) apply only to the document to which they are affixed, and expressly disclaim any responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty or those provided by their respective manufacturer.
© 2022 Oculus Inc.



FOR PERMIT

Client Approval

Checked by

ELECTRICAL PANEL SCHEDULES & ONE-LINE

43422-KS04 Project# Issue Date 01/30/2023 Scale As indicated Drawn by

ROOFTOP UNIT:

UNIT CONTROLLER SHALL BE SET TO DETERMINE OCCUPIED AND UNOCCUPIED HOURS OF OPERATION. HOURS SHALL BE COORDINATED WITH OWNER.

OCCUPIED MODE:

SUPPLY FAN SHALL RUN CONTINUOUSLY AND OUTSIDE AIR DAMPER SHALL OPEN TO MINIMUM POSITION TO DELIVER THE SCHEDULED QUANTITY OF VENTILATION AIR.

SUPPLY FAN SPEED SHALL VARY AIRFLOW AS FUNCTION OF LOAD (WHERE APPLICABLE). DURING NON-COOLING. FIRST STAGE COOLING. AND NON—HEATING TIMES, SUPPLY FAN SHALL RUN AT MINIMUM SPEED. DURING SECOND STAGE COOLING AND HEATING TIMES, SUPPLY FAN SHALL RUN AT FULL SPEED. OUTSIDE AIR DAMPER SHALL MODULATE POSITION TO MAINTAIN REQUIRED QUANTITY OF OUTSIDE AIR AS SUPPLY FAN VARIES SPEED.

WHEN SPACE TEMPERATURE RISES ABOVE OCCUPIED COOLING SET POINT, PACKAGED DIRECT EXPANSION COOLING SHALL BE ENERGIZED AND STAGED AS REQUIRED TO MAINTAIN SPACE TEMPERATURE

WHEN OUTSIDE AIR TEMPERATURE IS BELOW 55°F (ADJUSTABLE). ECONOMIZER SHALL MODULATE BETWEEN ITS MINIMUM SET POINT AND FULL OPEN TO MAINTAIN SPACE COOLING SET POINT, SUBJECT TO A MIXED AIR TEMPERATURE LOW LIMIT CONTROLLER SET POINT OF 55°F. IF OUTDOOR TEMPERATURE IS ABOVE COMPRESSOR LOCKOUT THERMOSTAT SETTING, MECHANICAL COOLING SHALL BE ENABLED AS SECOND STAGE OF COOLING.

DEHUMIDIFICATION (WHERE APPLICABLE):

WHEN SPACE HUMIDITY READING EXCEEDS 55%RH (ADJUSTABLE), REFRIGERATION SYSTEM SHALL OPERATE AND INITIATE HOT GAS REHEAT AS REQUIRED TO MAINTAIN SPACE TEMPERATURE AND

HEATING:

WHEN SPACE TEMPERATURE FALLS BELOW OCCUPIED HEATING SET POINT, HEATING SHALL BE ENERGIZED IN STAGES (WHERE APPLICABLE) TO MAINTAIN SPACE TEMPERATURE.

UNOCCUPIED MODE:

COOLING:

UPON SIGNAL FROM UNIT CONTROLLER, SUPPLY FAN SHALL BE DEENERGIZED AND OUTSIDE AIR DAMPER SHALL CLOSE. IF SPACE TEMPERATURE RISES 2 DEGREES OR MORE ABOVE UNOCCUPIED SET POINT, OUTSIDE AIR DAMPER SHALL REMAIN CLOSED, SUPPLY FAN SHALL BE ACTIVATED AND DX COOLING SHALL BE STAGED AS REQUIRED TO MAINTAIN UNOCCUPIED SPACE TEMPERATURE. WHEN TEMPERATURE FALLS 2 DEGREES BELOW SET POINT, COMPRESSOR SHALL BE DEENERGIZED AND SUPPLY FAN SHALL

UPON SIGNAL FROM UNIT CONTROLLER, SUPPLY FAN SHALL BE DEENERGIZED AND OUTSIDE AIR DAMPER SHALL CLOSE. IF SPACE TEMPERATURE FALLS 2 DEGREES OR MORE BELOW SET POINT, OUTSIDE AIR DAMPER SHALL REMAIN CLOSED, FAN SHALL BE ACTIVATED AND HEAT SHALL BE ENERGIZED UNTIL UNOCCUPIED SPACE TEMPERATURE IS SATISFIED. WHEN TEMPERATURE RISES 2 DEGREES ABOVE SET POINT, HEATING SHALL BE DISABLED AND FAN SHALL BE DEENERGIZED.

MORNING WARM-UP/COOL DOWN:

CONTROLS SHALL BE CAPABLE OF AUTOMATICALLY ADJUSTING SPECIFIED OCCUPIED TEMPERATURE IMMEDIATELY PRIOR TO SCHEDULED OCCUPANCY.

SET POINTS:

75°F OCCUPIED COOLING: OCCUPIED HEATING: 70°F UNOCCUPIED COOLING: 85°F UNOCCUPIED HEATING: 55**°**F

SMOKE DETECTOR SHUT DOWN:

SMOKE DETECTOR SHALL DEENERGIZE ROOFTOP UNIT FAN AND CLOSE OUTSIDE AIR DAMPER IN BOTH OCCUPIED AND UNOCCUPIED MODES WHENEVER SMOKE IS SENSED BY SMOKE DETECTORS.

MECHANICAL SPECIFICATIONS

PROVIDE EQUIPMENT INDICATED ON DRAWINGS, AND AS REQUIRED FOR A COMPLETE FUNCTIONING SYSTEM. DEFINITIONS: FURNISH MEANS TO SUPPLY AND DELIVER TO PROJECT SITE,

MAKE CONNECTIONS FOR SERVICE OR USE. PROVIDE MEANS TO FURNISH AND INSTALL, COMPLETE AND READY FOR INTENDED USE. WARRANTY: PROVIDE LABOR AND MATERIALS TO REPAIR OR REPLACE DEFECTIVE PARTS AND MATERIALS AS REQUIRED FOR ONE YEAR AFTER

READY FOR INSTALLATION. <u>INSTALL</u> MEANS TO PLACE IN POSITION AND

SUBSTANTIAL COMPLETION OR OWNER ACCEPTANCE OF COMPLETED PROJECT. PROVIDE SEPARATE LINE ITEM DEDUCT AMOUNT ON THE PROPOSAL FORM TO DELETE WARRANTY SERVICE. AT OWNER'S OPTION.

COORDINATION: COORDINATE WITH WORK OF OTHER TRADES. EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF OWNER, AND WITH CONSTRAINTS OF EXISTING CONDITIONS OF PROJECT SITE.

DUCT DIMENSIONS: UNLESS OTHERWISE NOTED, DUCT DIMENSIONS ON DRAWINGS ARE INSIDE CLEAR DIMENSIONS.

SHEET METAL DUCTWORK: PROVIDE SHEET METAL DUCTWORK FABRICATED AND INSTALLED IN ACCORDANCE WITH ASHRAE AND SMACNA STANDARDS, FOR 1" W.G. PRESSURE CLASS. SEAL CLASS "A". SHEET METAL SHALL BE GALVANIZED SHEET STEEL OF LOCK FORMING QUALITY, WITH G90 ZINC COATING. SHEET STEEL SHALL COMPLY WITH ASTM A653 STANDARD SPECIFICATION FOR STEEL SHEET METAL. ZINC COATED (GALVANIZED) OR ZINC-IRON ALLOY-COATED (GALVANNEALED) BY HOT DIP PROCESS, AND A924 STANDARD SPECIFICATION FOR GENERAL REQUIREMENTS FOR SHEET, METALLIC-COATED BY HOT DIP PROCESS. ALL ANGLE IRON USED FOR SUPPORT SHALL BE GALVANIZED. CONNECTIONS TO WALLS OR FLOOR SHALL BE AIR TIGHT WITH ANGLE IRON AND CAULKING. SEAL ALL DUCT SEAMS, TRANSVERSE AND LONGITUDINAL, AIR TIGHT. PROVIDE TURNING VANES AT ALL 90° ELBOWS.

ROUND SHEET METAL DUCT: PROVIDE SPIRAL SEAM (ALL SIZES) OR SNAP LOCK (CONCEALED DUCT SIZES UP TO 10") GALVANIZED STEEL COMPLYING WITH SMACNA STANDARDS. SPIRAL SEAM DUCTWORK SHALL HAVE SMACNA SEAM TYPE RL-1.

FLEXIBLE DUCT: PROVIDE FACTORY ASSEMBLED CLASS 1 AIR DUCT (UL 181) WITH 1" THICK 1 PCF FIBERGLASS INSULATION AND REINFORCED OUTER PROTECTIVE COVER (VAPOR BARRIER FLEXIBLE DUCT SHALL MEET NFPA 90A WITH FLAME SPREAD UNDER 25, SMOKE DEVELOPED UNDER 50, AND SHALL BE RATED FOR MINIMUM 2" W.G. PRESSURE AND 0 TO 250°F TEMPERATURE. PROVIDE SCREW-OPERATED METAL ADJUSTABLE CLAMPING DEVICES. USE TWIST-LOCK TAP COLLARS AT CONNECTIONS INTO SHEET METAL DUCTWORK. MAXIMUM EXTENDED LENGTH OF FLEXIBLE DUCT SHALL NOT EXCEED 6 FEET.

DUCT SEALANT: PROVIDE WATER BASED SYNTHETIC LATEX EMULSION PERMANENTLY FLEXIBLE HIGH VELOCITY DUCT SEALANT, DUCTMATE INDUSTRIES INC., PRO SEAL OR EQUAL. SEALANT TO BE LOW VOC LEED COMPLIANT CAPABLE OF 15" W.G., NFPA 90A AND 90B APPROVED, UL 181B-M LISTED AND UL 723 CLASSIFIED. INSTALL PER MANUFACTURER INSTRUCTIONS, SEALANT SHALL BE APPROVED FOR PLENUM INSTALLATIONS AND MEET FLAME SPREAD AND SMOKE DEVELOPED RATINGS FOR PLENUM APPLICATIONS.

DUCT INSULATION (ALL MAKEUP AIR DUCTWORK AND ALL ROUND SUPPLY DUCT AND ROUND RETURN DUCT ABOVE CEILING): PROVIDE MINIMUM 1-1/2" THICK BLANKET TYPE FIBERGLASS INSULATION COMPLYING WITH ASTM C-553, TYPE II, WITH FACTORY APPLIED KRAFT BONDED TO ALUMINUM FOIL, REINFORCED WITH FIBERGLASS VAPOR BARRIER/JACKET. JACKET SHALL CONFORM TO ASTM C-1136, TYPE II. INSTALLED R VALUE SHALL BE 4.2 OR HIGHER WITH 0.75 PCF DENSITY.

DUCT LINER (ALL RECTANGULAR SUPPLY AND RECTANGULAR RETURN DUCT): PROVIDE MINIMUM 1" THICK, LONG TEXTILE FIBER TYPE DUCT LINER, WITH COATING ON AIR STREAM SIDE CONFORMING TO NFPA 90A. DUCT LINER SHALL BE SECURED TO DUCT WITH BOTH ADHESIVE AND MECHANICAL FASTENERS. ADHESIVE SHALL BE LEED COMPLIANT LOW VOC AS RECOMMENDED BY DUCT LINER MANUFACTURER, AND SHALL COMPLY WITH ASTM C-916. DUCT LINER FASTENERS SHALL COMPLY WITH SMACNA "HVAC DUCT CONSTRUCTION STANDARDS", LATEST EDITION. THERMAL CONDUCTIVITY SHALL BE EQUAL TO OR LESS THAN 0.24 AT 75°F (MINIMUM R-VALUE OF 4.2).

ROUND VOLUME DAMPERS: PROVIDE MINIMUM 20 GAUGE GALVANIZED STEEL FRAME AND BLADES MINIMUM 3/8" SQUARE STEEL AXLE MOLDED SYNTHETIC BEARINGS, WITH LOCKING POSITION REGULATOR, REGULATOR SHALL BE POSITIONED WITH SHEET METAL STAND-OFF BRACKET BEYOND DUCT COVERING. WHERE POSITIONING REGULATOR IS NOT ACCESSIBLE, PROVIDE COUPLING AND EXTENSION ROD WITH REGULATOR FOR CEILING OR WALL INSTALLATION, AS REQUIRED.

RECTANGULAR VOLUME DAMPERS: PROVIDE MINIMUM 16 GAUGE GALVANIZED STEEL CHANNEL FRAME, 16 GAUGE GALVANIZED STEEL BLADES, MINIMUM 1/2" HEXAGONAL AXLE, MOLDED SYNTHETIC BEARINGS, WITH 3/8" SQUARE PLATED STEEL CONTROL SHAFT. LINKAGES SHALL BE CONCEALED IN FRAME. OPERATING SHAFT SHALL EXTEND BEYOND FRAME AND DUCT TO A LOCKING QUADRANT WITH ADJUSTABLE LEVER. MAXIMUM BLADE WIDTH SHALL NOT EXCEED 6".

DUCT TURNING VANES: PROVIDE FABRICATED TURNING VANES AND VANE RUNNERS CONSTRUCTED IN ACCORDANCE WITH SMACNA "HVAC DUCT CONSTRUCTION STANDARDS". PROVIDE TURNING VANES CONSTRUCTED OF CURVED BLADES, SUPPORTED WITH BARS PERPENDICULAR TO BLADES. AND SET INTO SIDE STRIPS SUITABLE FOR MOUNTING IN DUCTWORK. FOLLOW SMACNA GUIDELINES FOR SPACING SUPPORT, AND

CONSTRUCTION. ALL BLADES SHALL BE DOUBLE THICKNESS AIRFOIL TYPE.

FLEXIBLE DUCT CONNECTORS: PROVIDE UL LABELED 30 OUNCE NEOPRENE COATED FIBERGLASS FABRIC DUCT CONNECTORS AT DUCT CONNECTIONS TO VIBRATING EQUIPMENT.

DUCT ACCESS DOORS: PROVIDE HINGED ACCESS DOORS IN DUCTWORK WHERE REQUIRED FOR ACCESS TO EQUIPMENT. PROVIDE INSULATED ACCESS DOORS FOR INSULATED DUCTWORK. CONSTRUCT OF SAME OR THICKER GAUGE SHEET METAL AS DUCT IN WHICH IT IS INSTALLED. PROVIDE FLUSH FRAMES FOR UNINSULATED DUCTS, AND EXTENDED FRAMES FOR EXTERNALLY INSULATED DUCTS. PROVIDE CONTINUOUS HINGE ON ONE SIDE, WITH ONE HANDLE-TYPE LATCH FOR ACCESS DOORS 12" HIGH AND SMALLER, AND TWO HANDLE-TYPE LATCHES FOR LARGER ACCESS DOORS.

GREASE EXHAUST DUCTWORK: PROVIDE FACTORY BUILT SINGLE-WALL GREASE EXHAUST DUCT AS MANUFACTURED BY CAPTIVEAIRE OR APPROVED EQUAL, DUCT SHALL BE ETL LISTED TO UL-1978 FOR VENTING AIR AND GREASE VAPORS FROM COMMERCIAL COOKING OPERATIONS AS DESCRIBED IN NFPA-96. DUCT SHALL CONSTRUCTED OF 0.036" THICK TYPE 430 STAINLESS STEEL AND BE AVAILABLE IN DIAMETERS 8" THOUGH 24".

TYPE II EXHAUST DUCTWORK: FABRICATE TYPE II EXHAUST DUCTS OF 20 GAUGE TYPE 304 STAINLESS STEEL. SEAMS SHALL BE CONTINUOUSLY WELDED LIQUID TIGHT.

COMPOSITE GREASE DUCT FIRE PROTECTION INSULATION: PROVIDE

FLEXIBLE BLANKET-TYPE INSULATION COMPOSED OF FIBER BLANKET ENCAPSULATED IN AN ALUMINUM FOIL SCRIM, PROVIDING NONCOMBUSTIBLE WRAP TO PROVIDE VAPOR AND DUST BARRIER. DUCT WRAP SYSTEM SHALL HAVE FLAME SPREAD INDEX OF NOT MORE THAN AND SMOKE DEVELOPED INDEX NOT EXCEEDING 5, WHEN TESTED PER ASTM E-84. INSULATION AND JACKET SHALL BE RATED FOR OPERATING TEMPERATURES UP TO 2000'F. DUCT WRAP SYSTEM SHALL COMPLY WITH ALL FIVE FIRE TESTS OF STANDARD ASTM E2336, GREASE DUCT ENCLOSURE SYSTEM, AND DUCT FIRESTOP SYSTEM SHALL BE ASTM E 814 CLASSIFIED. FABRICATE DUCT WRAP ENCLOSURE WITH (2) LAYERS OF DUCT WRAP TO PROVIDE 2-HOUR FIRE RATING. PROVIDE COMPOSITE GREASE DUCT FIRE PROTECTION INSULATION FROM ONE OF THE FOLLOWING: THERMAL CERAMICS FIREMASTER FASTWRAP XL, UNIFRAX FYREWRAP ELITE 1.5.

MECHANICAL EQUIPMENT IDENTIFICATION: PROVIDE ENGRAVED PLASTIC LAMINATE LABEL FOR EACH MAJOR ITEM OF MECHANICAL EQUIPMENT AND EACH OPERATIONAL DEVICE. LETTERS SHALL BE MINIMUM OF 1/2" HIGH. PROVIDE SIGNS TO INFORM OPERATOR OF OPERATIONAL REQUIREMENTS. TO INDICATE SAFETY AND EMERGENCY PRECAUTIONS, AND TO WARN OF HAZARDS AND IMPROPER OPERATION.

TESTING AND BALANCING: TEST AND ADJUST ALL MECHANICAL SYSTEMS AND EQUIPMENT TO ASSURE PROPER BALANCE AND OPERATION. PERFORM TESTS IN ACCORDANCE WITH THE MOST CURRENT NEBB OR AABC, AND ASHRAE STANDARDS. ELIMINATE OBJECTIONABLE NOISE AND VIBRATION, AND ASSURE PROPER FUNCTION OF CONTROLS. BALANCING CONTRACTOR SHALL BE AN INDEPENDENT CERTIFIED TEST AND BALANCE CONTRACTOR. WITH NEBB OR AABC CERTIFICATION. SUBMIT COMPLETED AND CERTIFIED TEST AND BALANCE REPORT TO OWNER'S REPRESENTATIVE. BALANCE ALI SYSTEMS TO WITHIN 5% OF AIR FLOWS INDICATED ON THE DRAWINGS. AND REPORT DISCREPANCIES TO HVAC INSTALLER FOR CORRECTION. MARK FINAL BALANCE POSITIONS ON DAMPERS WITH PERMANENT MARKER.

OPERATIONS AND MAINTENANCE MANUALS (0&M): AT COMPLETION OF PROJECT PROVIDE A MINIMUM OF TWO O&M MANUALS IN THREE RING BINDERS TO OWNER/TENANT. MANUALS SHALL HAVE TABS LABELED WITH ALL SECTIONS SEPARATED WITH A CLEAR INDEX AT FRONT. PROVIDE WARRANTY LETTER AT FRONT OF MANUAL STATING DATES OF WARRANTY (START DATE AND END DATE) AND CONTACTS WITH PHONE NUMBERS FOR WARRANTY WORK, PROVIDE NARRATIVE OF HOW FACH SYSTEM IS INTENDED TO OPERATE INCLUDING RECOMMENDED SETPOINTS. MANUALS SHALL INCLUDE SUBMITTALS OF ALL EQUIPMENT, SIZE AND OPTIONS SELECTED. PROVIDE ALL BALANCING REPORTS. PROVIDE MANUFACTURER LITERATURE FOR OPERATIONS AND MAINTENANCE FOR ALL EQUIPMENT ON PROJECT. ALL PERIODIC AND ROUTINE MAINTENANCE SHALL BE CLEARLY IDENTIFIED. PROVIDE CONTROLS SECTION LISTING SYSTEM OPERATING AND CONTROL INSTRUCTIONS, MAINTENANCE, CALIBRATION, WIRING DIAGRAMS, SCHEMATICS AND CONTROL SEQUENCE DESCRIPTIONS.

SHOP DRAWINGS/SUBMITTALS: SUBMIT ELECTRONIC SUBMITTALS AND SHOP DRAWINGS VIA EMAIL AS PDF ELECTRONIC FILES. PROVIDE SEPARATE PDF SUBMITTALS ON ALL MECHANICAL EQUIPMENT (INCLUDING CONTROLS PACKAGES), AIR DISTRIBUTION DEVICES, DUCTWORK, DAMPERS, AND INSULATION. SUBMITTALS AND SHOP DRAWINGS SHALL INCLUDE THE FOLLOWING INFORMATION:

- PROJECT NAME NAME AND ADDRESS OF ARCHITECT AND MEP ENGINEER
- NAME OF CONSTRUCTION MANAGER NAME OF CONTRACTOR
- NAME OF FIRM OR ENTITY THAT PREPARED SUBMITTAL • NAMES OF SUBCONTRACTOR, MANUFACTURER, AND SUPPLIER. CATEGORY AND TYPE OF SUBMITTAL SUBMITTAL PURPOSE AND DESCRIPTION
- MANUFACTURER NAME PRODUCT NAME DRAWING NUMBER AND DETAIL REFERENCES. AS APPROPRIATE
- INDICATION OF FULL OR PARTIAL SUBMITTAL TRANSMITTAL NUMBER REMARKS

IDENTIFY DEVIATIONS FROM THE CONTRACT DOCUMENTS ON SHOP DRAWINGS AND SUBMITTALS. FURNISH COPIES OF FINAL SUBMITTALS TO MANUFACTURERS, SUBCONTRACTORS, SUPPLIERS, FABRICATORS, INSTALLERS, AUTHORITIES HAVING JURISDICTION, AND OTHERS AS NECESSARY FOR PERFORMANCE OF CONSTRUCTION ACTIVITIES. SHOW DISTRIBUTION ON TRANSMITTAL FORMS.

SUBMITTALS SHALL INCLUDE (AS APPLICABLE):

- MANUFACTURER'S CATALOG CUTS MANUFACTURER'S PRODUCT SPECIFICATIONS STATEMENT OF COMPLIANCE WITH SPECIFIED REFERENCED
- STANDARDS TESTING BY RECOGNIZED TESTING AGENCY APPLICATION OF TESTING AGENCY LABELS AND SEALS
- WIRING DIAGRAMS SHOWING FACTORY-INSTALLED WIRING PERFORMANCE CURVES OPERATIONAL RANGE DIAGRAMS CLEARANCES REQUIRED TO OTHER CONSTRUCTION, IF NOT
- INDICATED ON SHOP DRAWINGS. FULL SIZE SHOP DRAWINGS SHALL INCLUDE (AS APPLICABLE): IDENTIFICATION OF PRODUCTS
- SCHEDULES COMPLIANCE WITH SPECIFIED STANDARDS
- NOTATION OF COORDINATION REQUIREMENTS • NOTATION OF DIMENSIONS ESTABLISHED BY FIELD MEASUREMENT
- RELATIONSHIP AND ATTACHMENT TO ADJOINING CONSTRUCTION CLEARLY INDICATED.

MECHANICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING DUCT SHOP DRAWINGS TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION AND INSTALLATION.

MECHANICAL SYMBOLS LEGEND GRILLES/DIFFUSERS: GENERAL REFERENCES/NOTATIONS: ---CONNECT TO EXISTING SUPPLY DIFFUSER SQUARE NOTE DESIGNATION RETURN GRILLE REVISION DESIGNATION DOUBLE LINE DUCT SYMBOLS MECHANICAL EQUIPMENT DESIGNATION NEW SHEET METAL DUCTWORK & SIZE DIFFUSER DESIGNATION AND CFM SUPPLY OR OUTSIDE AIR DUCT **ABBREVIATIONS:** RETURN AIR DUCT ACCESS DOOR EXHAUST AIR DUCT ABOVE FINISHED FLOOR DUCTWORK TRANSITION AUTHORITY HAVING JURISDICTION BACKDRAFT DAMPER DUCTWORK TRANSITION - RECTANGULAR TO ROUND BRAKE HORSEPOWER [x[| SUPPLY DUCT ELBOW UP OR DOWN BRITISH THERMAL UNIT CUBIC FEET PER MINUTE RETURN DUCT ELBOW UP OR DOWN DRY BULB ELECTRICAL CONTRACTOR EXHAUST AIR DUCT ELBOW WITH FIXED TURNING VANES ENTERING AIR TEMPERATURE DUCT BRANCH TAKE-OFF EXTERNAL STATIC PRESSURE EXISTING TO REMAIN ROUND SPIN-IN WITH DAMPER GENERAL CONTRACTOR FLEXIBLE DUCT CONNECTION **FREQUENCY** LEAVING AIR TEMPERATURE VOLUME DAMPER MIXED AIR FLEXIBLE DUCTWORK MANUAL DAMPER MECHANICAL CONTRACTOR **EQUIPMENT:** NOISE CRITERIA ROOF MOUNTED EXHAUST FAN OUTSIDE AIR PLUMBING CONTRACTOR CEILING MOUNTED EXHAUST FAN RETURN AIR

REFER TO PLANS AND SPECIFICATIONS FOR DETAILED DESCRIPTION OF ALL DEVICES SHOWN, PROVIDED BY THIS CONTRACTOR. PROJECT MAY NOT USE ALL SYMBOLS OR DEVICES INDICATED ON THIS LEGEND.

ROOFTOP UNIT

THERMOSTAT - ELECTRIC

TEMPERATURE SENSOR

DUCT SMOKE DETECTOR

HUMIDITY SENSOR

GENERAL NOTES

TSP

CONTRACTORS AND SUB-CONTRACTORS SHALL CAREFULLY REVIEW CONSTRUCTION DOCUMENTS. INFORMATION REGARDING COMPLETE WORK IS DISPERSED THROUGHOUT DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO COMPLETE DOCUMENT SET.

ROOFTOP UNIT

WATER COLUMN

WET BULB

TOTAL STATIC PRESSURE

UNLESS NOTED OTHERWISE

SUPPLY AIR

TYPICAL

- COORDINATE WITH WORK OF OTHER SECTIONS, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF OWNER, AND WITH CONSTRAINTS OF EXISTING CONDITIONS OF PROJECT SITE. PROVIDE DUCT RISES AND DROPS AS REQUIRED FOR FIELD INSTALLATION AND TRADE COORDINATION. NOTIFY ARCHITECT OF DISCREPANCIES BEFORE STARTING WORK.
- DRAWINGS FOR HVAC WORK ARE DIAGRAMMATIC, SHOWING GENERAL LOCATION, TYPE, LAYOUT, AND EQUIPMENT REQUIRED. DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENT. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS. REFER TO MANUFACTURER'S STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. PROVIDE DUCTWORK, CONNECTIONS, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY FOR A COMPLETE SYSTEM.
- ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AS APPROVED AND AMENDED BY GOVERNING AUTHORITY. PURCHASE ALL PERMITS ASSOCIATED WITH THE WORK. OBTAIN ALL INSPECTIONS REQUIRED BY CODE.
- INSTALL EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS AND MAINTAIN MANUFACTURER'S RECOMMENDED CLEARANCE.
- CONTRACT LANDLORD APPROVED ROOFING CONTRACTOR TO FLASH AND SEAL ROOF CURBS TO MAINTAIN ROOFING WARRANTY.
- INSTALL EXHAUST FANS MINIMUM 10'-0" FROM INTAKE AIR OPENINGS.

These drawings/specifications are the property of Oculus Inc. They are furnished as contract documents only. The seal(s) and signature(s) apply only to the document to which they are affixed, and expressly disclaim ar responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or



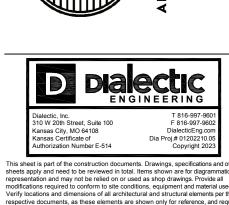
FOR PERMIT

Client Approval

Checked by

MECHANICAL NOTES & SPECIFICATIONS

43422-KS04 Project# 01/30/2023 Issue Date Scale As indicated Drawn by





Description

parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty or certification relating to the performance of products and materials beyond those provided by their respective manufacturer. © 2022 Oculus Inc.

ROOFTOP UNIT SCHEDULE MANUFACTURER YSJ072 YHC067 AIR FLOW (CFM) OA FLOW (CFM) AMBIENT OAT (*F) EXTERNAL STATIC (IN. W.C.) DX COOLING COIL EAT (*FDB/WB) 80.9/67.8 82.4/68.1 TOTAL (BTU/HR) 71,180 55, 140 SENSIBLE (BTU/HR) 54,630 40,730 GAS HEAT NATURAL GAS NATURAL GAS FUEL INPUT (BTU/HR) 120,000 80,000 OUTPUT (BTU/HR) 97,200 64,000 LECTRICAL 208/3/60 VOLTS/Ø/HZ 208/3/60 MOTOR HP UNIT MCA MOCP AMPS 1,000 APPROX. WEIGHT (LBS) 13.0 11.0 1-5,7-16 1-4,6-16

O1 MECHANICAL PLAN

1/4"=1'-0"

SET MINIMUM OUTSIDE AIR AS SPECIFIED ABOVE. FOR RTU-1, FIELD SET 2 MINIMUM POSITIONS TO MAINTAIN SCHEDULED OUTSIDE AIR FLOW RATE AT SUPPLY FAN MINIMUM AND MAXIMUM SPEEDS. OUTSIDE AIR DAMPER SHALL FULLY CLOSE ON UNIT SHUTDOWN.

PROVIDE FACTORY FABRICATED 14" HIGH ROOF CURB.

PROVIDE FACTORY MOUNTED WEATHERHOOD AND BIRDSCREEN.

PROVIDE FACTORY INSTALLED LOW-LEAK DRY BULB ECONOMIZER WITH FAULT DETECTION DIAGNOSTICS.

PROVIDE WITH BAROMETRIC RELIEF. PROVIDE WITH POWER EXHAUST.

PROVIDE 5 MINUTE COMPRESSOR RESTART TIME DELAY.

PROVIDE UNIT WITH LOUVERED HAIL GUARDS.

PROVIDE FILTER RACK AND 2 SETS OF MERV 8 FILTERS. 0) PROVIDE WITH FACTORY CONDENSATE OVERFLOW SWITCH.

PROVIDE FACTORY MOUNTED AND WIRED DISCONNECT SWITCH.

PROVIDE FACTORY MOUNTED AND POWERED WEATHERPROOF GFCI CONVENIENCE RECEPTACLE. RECEPTACLE SHALL BE POWERED FROM LINE SIDE OF DISCONNECT

(3) PROVIDE WITH HOT-GAS REHEAT DEHUMIDIFICATION.

(4) CONTRACTOR SHALL INSTALL ALL COMPONENTS SHIPPED LOOSE TO THE FIELD. 5) COORDINATE PLACEMENT OF ALL EQUIPMENT ON SITE PRIOR TO SETTING EQUIPMENT.

MAINTAIN MINIMUM 10'-0" SEPARATION BETWEEN OUTSIDE AIR INTAKES AND EXHAUST DISCHARGE AND PLUMBING VENTS.

MARK (MAU-#)	1	
MANUFACTURER	CAPTIVEAIRE	
MODEL	D76	
CONFIGURATION	DOWNFLOW ROOF	
	MOUNTED	
DRIVE TYPE	DIRECT	
PERFORMANCE		
AIR FLOW (CFM)	750	
EXTERNAL STATIC (IN W.C.)	0.4	
FAN SPEED (RPM)	1,473	
DIRECT FIRED HEATER		
FUEL	NATURAL GAS	
INPUT (BTU/HR)	49,024	
HEAT OUTPUT (BTU/ HR)	45,102	
ELECTRICAL		
VOLTS/Ø/HZ	120/1/60	
FAN MOTOR HP	1	
MCA (AMPS)	16.6	
MOCP (AMPS)	25	
APPROX. WEIGHT (LBS)	400	
NOTES	1-4	

3) PROVIDE WITH WEATHER HOOD AND BIRDSCREEN.

PROVIDE WITH 20" ROOF CURB.

SYSTEM POPULATION INCLUDING DIVERSITY (Ps) =

MARK (KF-#)	1	2	
MANUFACTURER	CAPTIVEAIRE	CAPTIVEAIRE	
MODEL	DU50HFA	DU12HFA	
TYPE	CENTRIFUGAL	CENTRIFUGAL	
	UPBLAST	UPBLAST	
DRIVE TYPE	DIRECT	DIRECT	
PERFORMANCE			
AIR FLOW (CFM)	1,000	375	
EXTERNAL STATIC (IN W.C.)	1	0.5	
FAN SPEED (RPM)	1,471	1,404	
SONES	15.3	7.9	
ELECTRICAL			
VOLTS/Ø/HZ	120/1/60	120/1/60	
FAN MOTOR HP	1/2	1/5	
ACCESSORIES	GDC,FSC,RC,WP	FSC,RC,WP	
SERVICE	HOOD #1	HOOD #2	
APPROX. WEIGHT (LBS)	150	100	
NOTES	1-4	1-4	
ACCESSORIES: GDC-GREASE DRAIN AND CUP,	ESC-FAN SPEED CO	NTROI	
RC-ROOF CURB, WP-NEMA 3R			

REFER TO CAPTIVEAIRE DRAWINGS FOR ADDITIONAL REQUIREMENTS. FAN SHALL BE CONTROLLED BY SWITCH AT CAPTIVEAIRE HOOD.

INTERLOCK RTU-1 TO OPERATE IN OCCUPIED MODE WHILE KITCHEN EXHAUST FAN IS

PROVIDE FAN WITH FACTORY FABRICATED WINDBANDS TO RAISE EXHAUST DISCHARGE MINIMUM 3'-0" ABOVE OUTSIDE AIR INTAKES WITHIN 10'-0".

MODEL	100C17DEC								
	CENTRIFUGAL								
TYPE	DOWNBLAST								
DRIVE TYPE	DIRECT								
PERFORMANCE									
AIR FLOW (CFM)	225								
EXT. STATIC (IN W.C.)	0.25								
FAN SPEED (RPM)	1,305								
ELECTRICAL									
VOLTS/Ø/HZ	120/1/60								
FAN MOTOR WATTS	49								
ACCESSORIES	BD,BS,DS,FSC,RC								
APPROX. WEIGHT (LBS)	50								
NOTES	1								
ACCESSORIES:									
BD-BACKDRAFT DAMPER, BS-B	IRD SCREEN. DS-DISCO	NNECT SWITCH.							
FSC-FACTORY MOUNTED AND V									
NOTES:									
111111111111111111111111111111111111111									
1) ELECTRICAL CONTRACTOR SHALL INTERLOCK FAN WITH TIMECLOCK TO OPERATE CONTINUOUSLY DURING OCCUPIED HOURS.									

STR-SQUARE TO ROUND TRANSITION

MAX. Zp = 0.25 1.00

EXHAUST AND VENTILATION FAN SCHEDULE

COOK

AIR BALANCE SCH	AIR BALANCE SCHEDULE										
	RTU-1	RTU-2	MAU-1	KF-1	KF-2	EF-1	TOTALS				
OUTSIDE AIR FLOW (CFM)	600	500	750	0	0	0	1,850				
RETURN AIR FLOW (CFM)	1,500	1,250	0	0	0	0	2,750				
SUPPLY AIR FLOW (CFM)	2,100	1,750	750	0	0	0	4,600				
EXHAUST AIR FLOW (CFM)	0	0	0	1,000	375	225	1,600				
BUILDING PRESSURE (CFM)	600	500	750	-1,000	-375	-225	250				
							250				

324

MARK	A	В	С	D	E
MANUFACTURER	TITUS	TITUS	TITUS	TITUS	TITUS
MODEL	TMS-AA	PAR-AA	50F	45F	350RL
TYPE	SQUARE CONE	PERFORATED	EGGCRATE GRILLE	SIGHTPROOF	LOUVERED
	DIFFUSER	DIFFUSER		EGGCRATE GRILLE	EXHAUST GRILLE
NECK SIZE (L"XW")	PER PLAN	PER PLAN	22"X22"	10"X10"	6"X6"
FACE SIZE (L"XW")	24"X24"	24"X24"	24"X24"	12"X12"	8"X8"
FRAME TYPE	LAY-IN	LAY-IN	LAY-IN	LAY-IN	SURFACE
FINISH	PER ARCITECT	PER ARCITECT	PER ARCITECT	PER ARCHITECT	PER ARCHITECT
NOISE CRITERIA LEVEL	<30	<30	<30	<30	<30
ACCESSORIES			STR	STR	

0.80 404 500

2018 INTERNATI	ONAL MECH	IANICAL COI	DE TABLE 40	03.3.1.1 VENTI	LATION SUN	MARY													
OCCUPANCY	PEOPLE	AREA OUTDOOR	OCCUPANCY	OCCUPANCY	CALCULATED	ZONE	PEOPLE	Rp*Pz Ra*A	z AREA - (Az	ZONE AIR	BREATHING ZONE OUTDOOR	ZONE OUTDOOR	ZONE PRIMARY	PRIMARY	OCCUPANT	UNCORRECTED OUTDOOR	SYSTEM	CORRECTED	PROVIDED
CATEGORY	OUTDOOR AIR	AIR RATE - (Ra)	DENSITY	CLASSIFICATION	OCCUPANCY	OCCUPANCY	EXPECTED TO			DISTRIBUTION	AIRFLOW - (Vbz)	AIRFLOW (Voz)	AIRFLOW (Vpz)	OUTDOOR AIR	DIVERSITY	AIR INTAKE (Vou)	VENTILATION	OUTDOOR	OUTDOOR
	RATE - (Rp)				DENSITY	OVERRIDE	OCCUPY THE			EFFECTIVENES	Vbz=Rp*Pz+Ra*Az	Voz=Vbz/Ez		FRACTION (Zp)	RATIO (D)	Vou=D*RpPz+RaAz	EFFICIENCY	AIRFLOW (Vot)	AIRFLOW
	(CFM/PERSON)	(CFM/SQ.FT.)	P/1,000 SQ.FT.	P/1,000 SQ.FT.			ZONE - (Pz)		SQ.FT.	S - Ez	CFM	1		Zp=Voz/Vpz		CFM	Ev	CFM	CFM
RTU-1																			
102 Kitchen/Prep	_	_	_	KITCHEN	_	_	_	- -	256	0.8	_	_	1050	_		_		_	
106 Clearn-Up	_	_	_	KITCHEN	_	_	_	- -	425	0.8	_	_	1050	_		_		_	
				SYSTEM POPUL	ATION INCLUDING	DIVERSITY (Ps) =	_		•				MAX. Zp =	_	1.00	_	1.00	_	600
RTU-2																·			
101 Dining	7.5	0.18	70	DINING	32	_	32	241 83	459	0.8	324	404	1650	0.25		324		404	
103 Men's Restroom	_	_	_	RESTROOM	_	_	_	- -	63	0.8	_	_	50	_		_		_	
104 Women's Restroom	_	_	_	RESTROOM	_	_	_		55	0.8	_	_	50	_		_		_	



MECHANICAL KEY NOTES

1 PROVIDE ROOFTOP UNIT AND CURB. COORDINATE UNIT WITH STRUCTURE. SHIM UNIT AND CURB LEVEL FOR PROPER CONDENSATE DRAINAGE. PROVIDE FLEXIBLE CONNECTORS ON SUPPLY AND RETURN AIR DUCT CONNECTIONS. TRANSITION TO DUCT SIZES SHOWN.

 $2\,
vert$ Provide 120 volt duct mounted smoke detector. Detector shall MEET REQUIREMENTS OF U.L. 268A. INTERLOCK SMOKE DETECTOR TO SHUT DOWN UNIT UPON DETECTION OF SMOKE. PROVIDE SMOKE DETECTOR WITH AN ANNUNCIATOR WITH PIEZO ALARM AND POWER LEDS FOR VISIBLE AND AUDIBLE ALARM SIGNAL, AND VISIBLE TROUBLE SIGNAL. MOUNT ANNUNCIATOR ON ROOM SIDE OF CEILING.

3 PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT WITH AUTO-CHANGEOVER AND AUTOMATIC START CAPABILITY. MOUNT THERMOSTAT 48" ABOVE FINISHED FLOOR.

4 PROVIDE HUMIDITY SENSOR. MOUNT SENSOR 48" ABOVE FINISHED FLOOR. HUMIDITY SENSOR SHALL CONTROL REFRIGERATION SYSTEM AND INITIATE HOT GAS REHEAT AS REQUIRED TO MAINTAIN SPACE HUMIDITY AT 55%

5 PROVIDE ROOF MOUNTED EXHAUST FAN AND CURB.

6 MOUNT BOTTOM OF EXHAUST GRILLE 11'-0" ABOVE FINISHED FLOOR. 7 UNDERCUT DOOR 1" FOR TRANSFER AIR.

8 INSTALL OWNER FURNISHED ROOF MOUNTED GREASE EXHAUST FAN AND CURB. PROVIDE FAN WITH FACTORY FABRICATED WINDBANDS TO RAISE

EXHAUST DISCHARGE MINIMUM 3'-0" ABOVE OUTSIDE AIR INTAKES WITHIN

DUCT SIZES SHOWN. REFER TO CAPTIVEAIRE DRAWINGS FOR ADDITIONAL

9 INSTALL OWNER FURNISHED TYPE I GREASE EXHAUST HOOD. SUPPORT HOOD PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE TRAPEZE HANGERS FOR ALL THREAD SUPPORT UNDER DUCTWORK AS REQUIRED. TRANSITION FROM HOOD CONNECTIONS TO GREASE EXHAUST

INFORMATION. 10 PROVIDE UL-1978 SINGLE-WALL PRE-MANUFACTURED GREASE DUCT FROM HOOD COLLAR TO EXHAUST FAN ON ROOF. INSTALL EXHAUST DUCT PER MANUFACTURER'S INSTRUCTIONS. PROVIDE CLEANOUTS AT EVERY CHANGE OF DIRECTION IN THE DUCT AND/OR EVERY 10 FEET WITH MINIMUM OF 3 FEET OF CLEARANCE IN FRONT OF CLEAN-OUT.

11 INSTALL OWNER FURNISHED ROOF MOUNTED EXHAUST FAN AND CURB. PROVIDE FAN WITH FACTORY FABRICATED WINDBANDS TO RAISE EXHAUST DISCHARGE MINIMUM 3'-0" ABOVE OUTSIDE AIR INTAKES WITHIN 10'-0"

12 INSTALL OWNER FURNISHED TYPE II EXHAUST HOOD. SUPPORT HOOD PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE TRAPEZE HANGERS FOR ALL THREAD SUPPORT UNDER DUCTWORK AS REQUIRED. REFER TO CAPTIVEAIRE DRAWINGS FOR ADDITIONAL INFORMATION.

13 TRANSITION 20 GAUGE TYPE 304 S.S. ALL WELDED EXHAUST DUCT FROM HOOD COLLAR TO DUCT SIZE SHOWN. EXTEND DUCT EXHAUST FAN ON

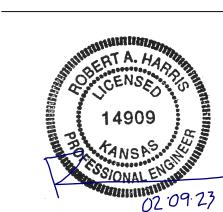
ROOF. SLOPE DUCT 1/8" PER FOOT DOWN TOWARD HOOD. 14 INSTALL OWNER FURNISHED MAKE-UP AIR UNIT AND CURB. COORDINATE UNIT WITH STRUCTURE. SHIM UNIT AND CURB LEVEL FOR PROPER OPERATION. PROVIDE FLEXIBLE CONNECTORS ON DUCT CONNECTIONS.

TRANSITION TO DUCT SIZE SHOWN. 15 INSTALL OWNER FURNISHED TEMPERATURE SENSOR. MOUNT 48" ABOVE FINISHED FLOOR. REFER TO CAPTIVEAIRE DRAWINGS FOR ADDITIONAL INFORMATION.



ERSEY

These drawings/specifications are the property of Oculus Inc. They are furnished as contract documents only. The seal(s) and signature(s) apply only to the document to which they are affixed, and expressly disclaim any responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty or certification relating to the performance of products and materials beyond those provided by their respective manufacturer.
© 2022 Oculus Inc.



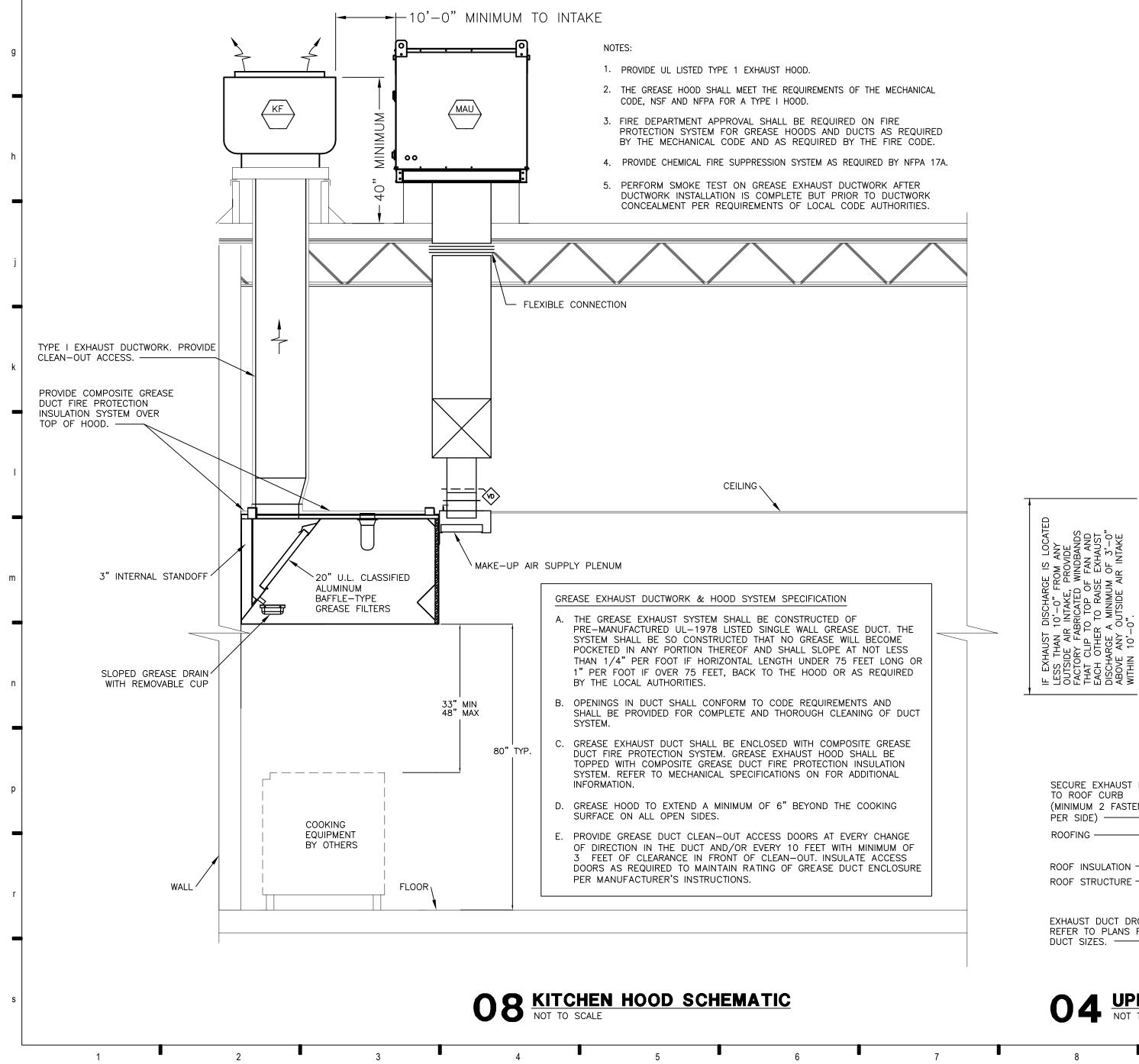
FOR PERMIT

Client Approval

MECHANICAL PLAN & SCHEDULES

43422-KS04 Project# Issue Date 01/30/2023 Scale As indicated Drawn by

Checked by



SOLDER ALL ROUND -

TALL CONE FLASHING

ROOF INSULATION ---

06 DUCT THROUGH ROOF DETAIL NOT TO SCALE

ROOF STRUCTURE

APPLY SEALANT -

ROOFING —

HVAC EQUIPMENT

GASKET

ROOF CURB -

INSULATION -

DRAWINGS —

(4) "TEKS" SCREWS —

TREATED WOOD NAILER

SECURED TO CURB —

FRAMED OPENING FOR

REFER TO STRUCTURAL

SUPPORT AND CONNECTION.

O7 ROOFTOP UNIT CURB DETAIL

NOT TO SCALE

-(4) "TEKS" SCREWS

- COUNTERFLASHING

ROOFING

— CANT STRIP

- ROOFING

—18 GAUGE TIE DOWN RESTRAINT

ROOF INSULATION

- ROOF DECK

— ALL WEATHER VENT CAP

-STORM COLLAR

<u>PLAN</u>

DUCT OFFSET

BRANCH DUCT

ELEVATION

05 LOW VELOCITY DUCT FITTINGS DETAIL

NOT TO SCALE

NOTES: 1) ANGLE $A = 30^{\circ}$ WHEN AIR FLOWS IN DIRECTION OF ARROW (SUPPLY AIR).

EACH CHANNEL 04 UPBLAST EXHAUST FAN DETAIL NOT TO SCALE

SECURE EXHAUST FAN

(MINIMUM 2 FASTENERS

ROOF INSULATION -

ROOF STRUCTURE -

EXHAUST DUCT DROP.

DUCT SIZES. —

REFER TO PLANS FOR

TO ROOF CURB

PER SIDE) —

ROOFING -

<u>PLAN VIEW</u>

ELEVATION

2) ANGLE A = 20° WHEN AIR FLOWS IN OPPOSITE DIRECTION OF ARROW (RETURN OR EXHAUST).

<u>Plan view</u>

ELEVATION

— UPBLAST EXHAUST FAN

FLASH AND

ROOF CURB

CURB COMPATIBLE WITH BOOK

BACKDRAFT

DAMPER

~3/8" THROUGH

BOLT, WASHERS, LOCKWASHERS, AND

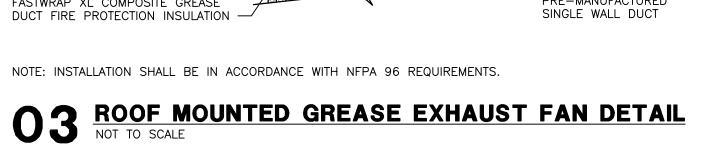
NUT, 2 MINIMÚM

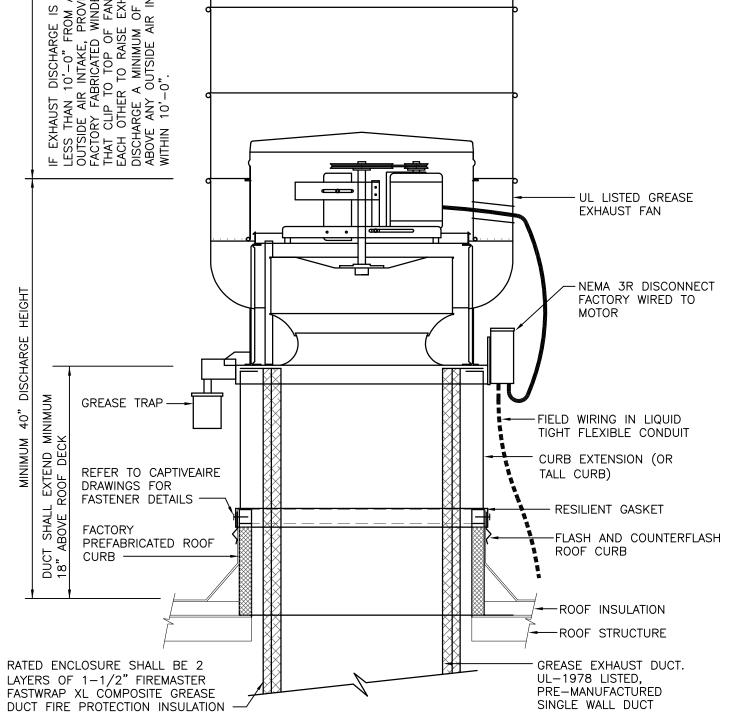
WITH ROOF.

COUNTERFLASH

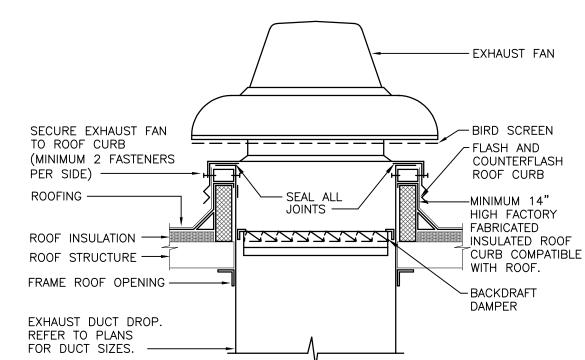
FACTORY FABRICATED

INSULATED ROOF





02 EXHAUST FAN DETAIL NOT TO SCALE

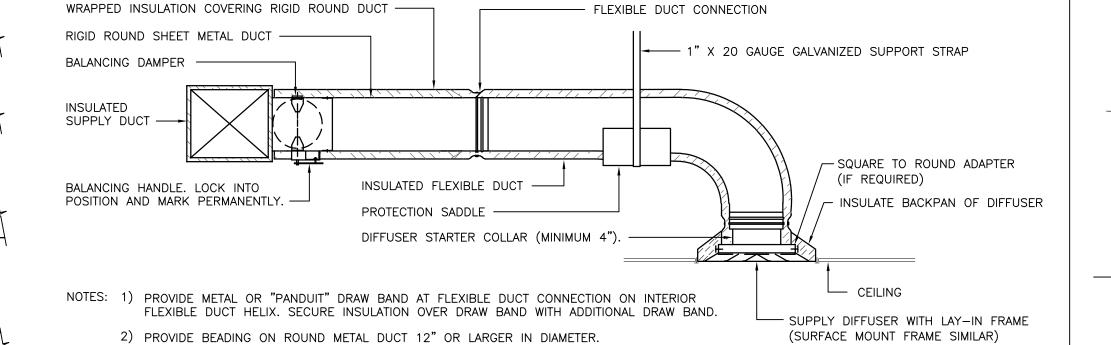




DAMPERS AND DIFFUSERS.

3) PROVIDE MINIMUM 4" COLLARS FOR ATTACHMENT OF FLEXIBLE DUCT TO ROUND DUCT,

4) BAND RIGID ROUND DUCT INSULATION TO DUCT AND PROVIDE TAPE FOR INSULATION





D DIA CETIC

of these associated elements, or for any work the engineer has not signed and sealed

ERSEY

These drawings/specifications are the property of Oculus Inc. They are

furnished as contract documents only. The seal(s) and signature(s) apply

only to the document to which they are affixed, and expressly disclaim ar

responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty or certification relating to the performance of products and materials beyond those provided by their respective manufacturer.
© 2022 Oculus Inc.

14909

FOR PERMIT

MECHANICAL

DETAILS

43422-KS04

01/30/2023

As indicated

Client Approval

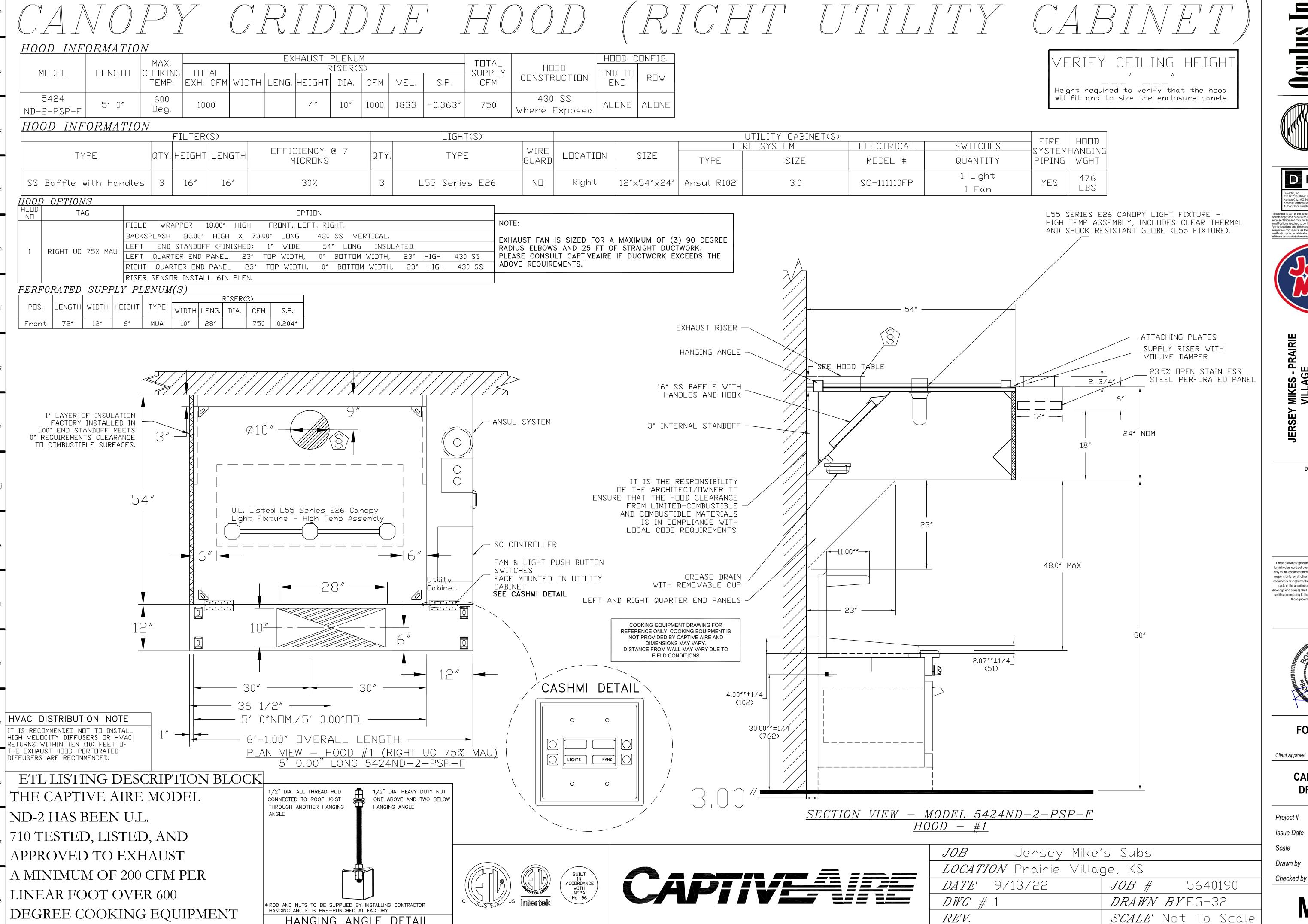
Project#

Issue Date

Scale

Drawn by

Checked by



HANGING ANGLE DETAIL







These drawings/specifications are the property of Oculus Inc. They are furnished as contract documents only. The seal(s) and signature(s) apply only to the document to which they are affixed, and expressly disclaim a responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part of parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty o those provided by their respective manufacturer.



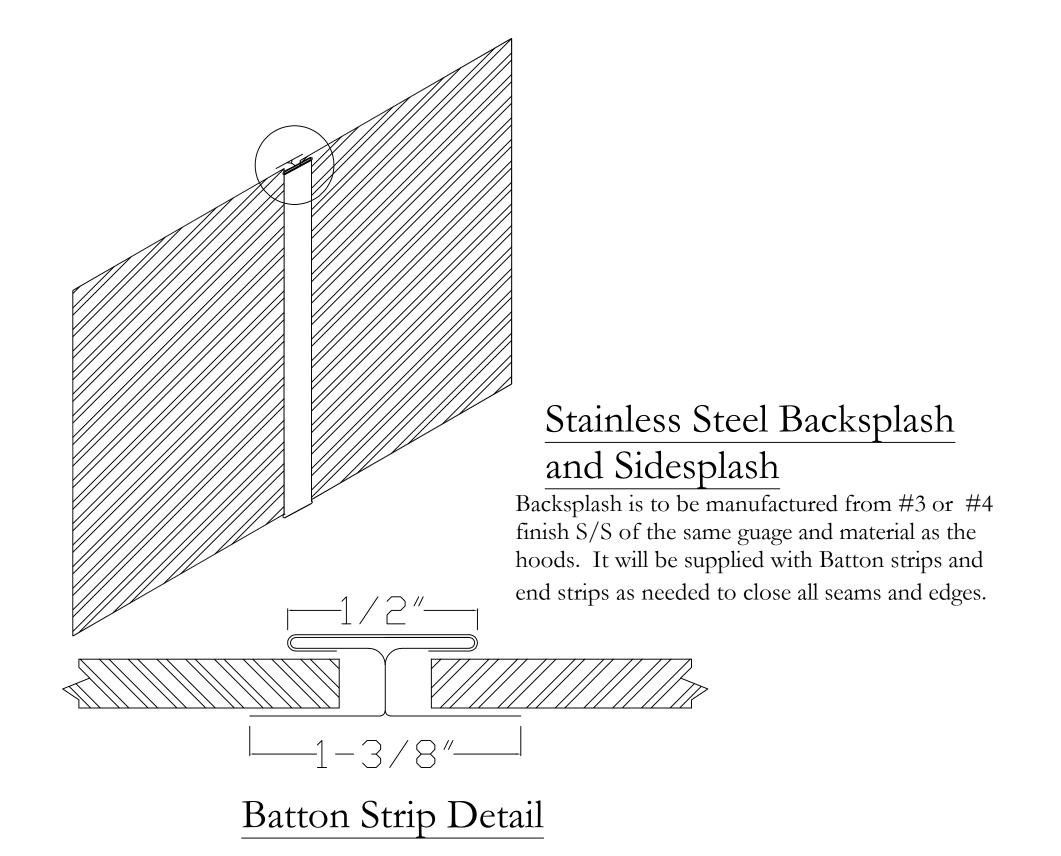
FOR PERMIT

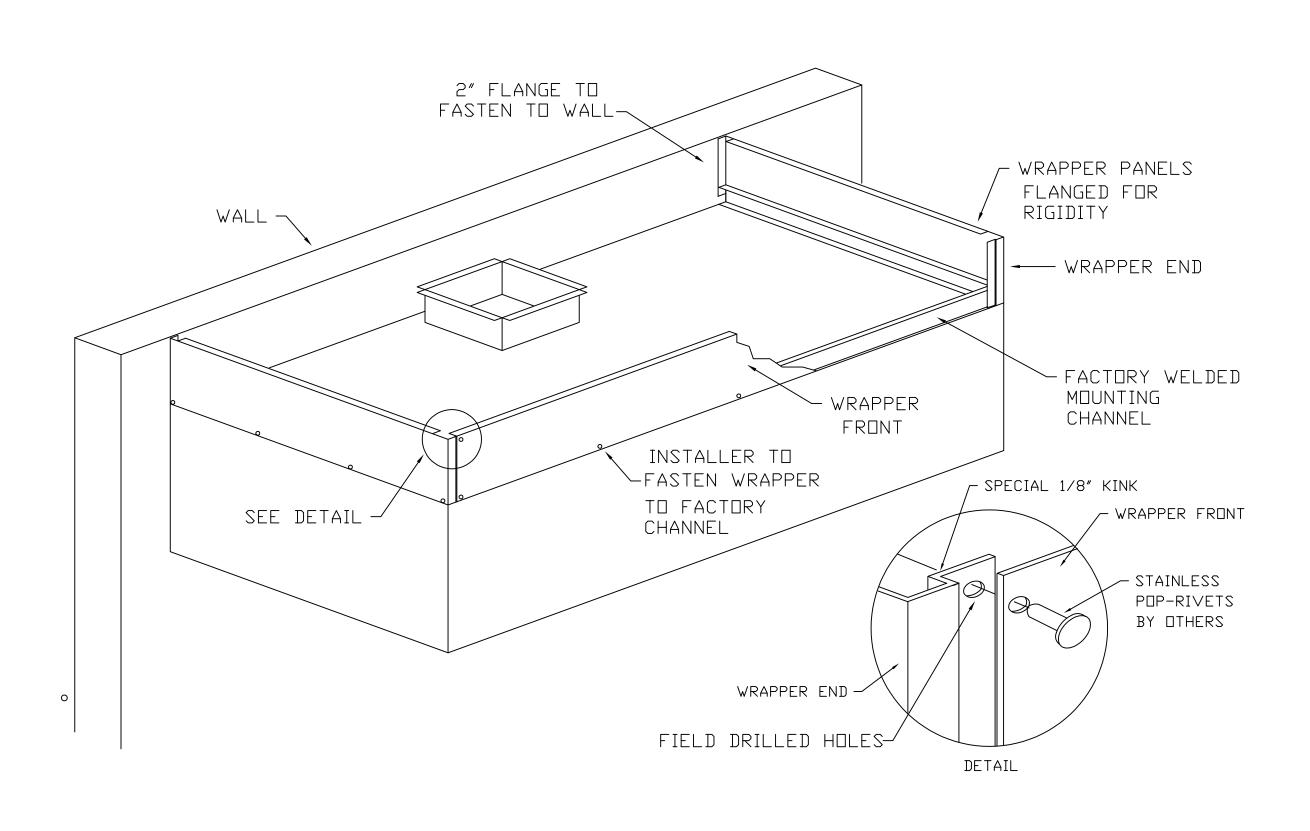
Client Approval

CAPTIVEAIRE DRAWINGS

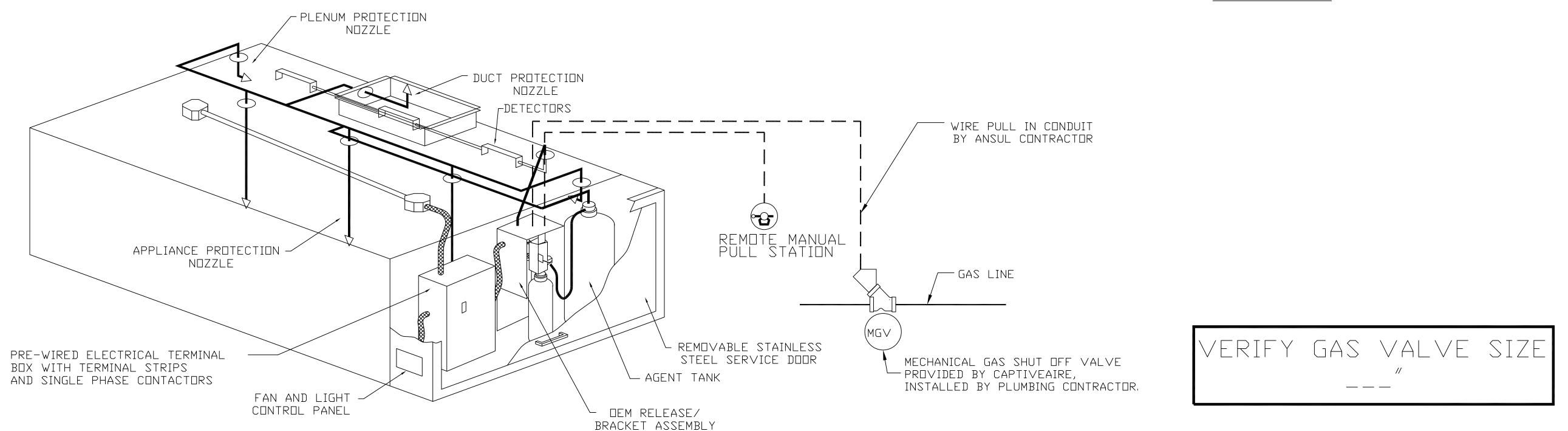
43422-KS04 Project# 01/30/2023 Issue Date As indicated

FIRE SYSTEM/INSTALLATION DETAILS



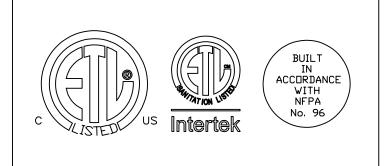


FIELD WRAPPER



TYPICAL ANSUL R-102 SYSTEM LAYOUT

TYPICAL ANSUL R-102 SYSTEM LAYOUT





<i>OB</i> Jersey Mike'	s Subs
OCATION Prairie Villag	ge, KS
<i>ATE</i> 9/13/22	<i>JOB #</i> 5640190
WG #	DRAWN BYEG-32
EV.	SCALE Not To Scale

OCULIUS INC.



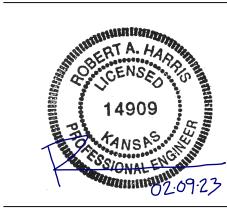




JERSEY MIKES - PRAIRIE
VILLAGE
7628 State Line Road

Description Da

These drawings/specifications are the property of Oculus Inc. They are furnished as contract documents only. The seal(s) and signature(s) apply only to the document to which they are affixed, and expressly disclaim any responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty or certification relating to the performance of products and materials beyond those provided by their respective manufacturer.



FOR PERMIT

Client Approval

CAPTIVEAIRE DRAWINGS

Project # 43422-KS04

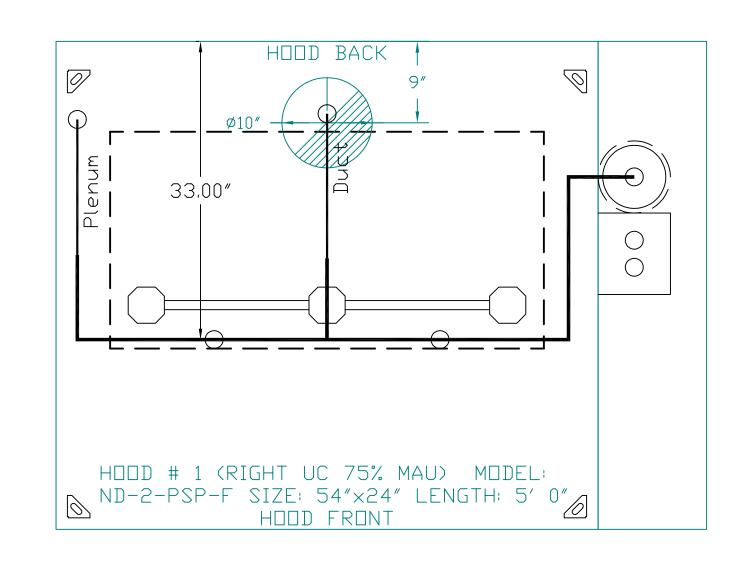
Issue Date 01/30/2023

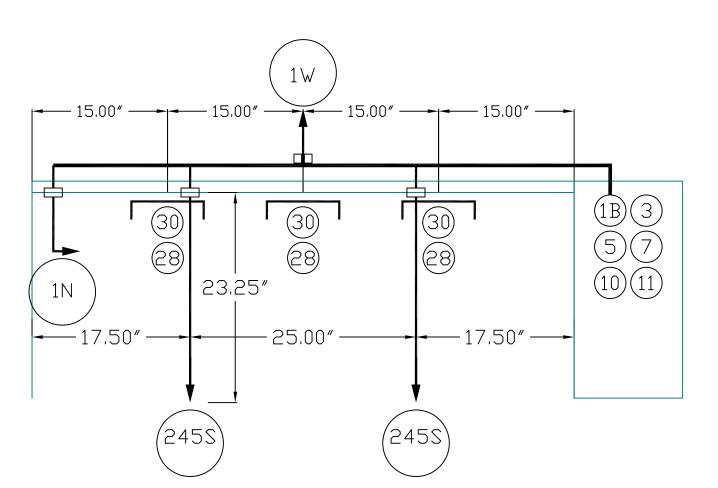
Scale As indicated

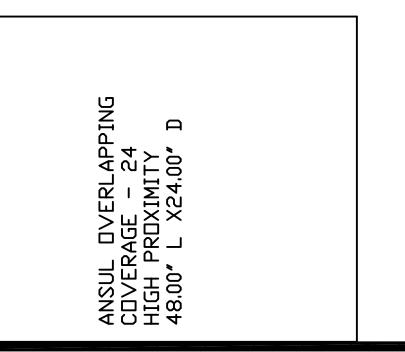
Drawn by BLF

Checked by BJF

FIRE SYSTEM/INSTALLATION DETAILS







NOTES - FIELD PIPE DROPS AS SHOWN

SLEEVING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS.

- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.

- MAXIMUM 9 ELBOWS IN SUPPLY LINE.

- MINIMUM 72 INCHES OF AGENT LINE FROM TANK TO FIRST NOZZLE

COVERING A RANGE, FRYER, OR WOK TO REFLECT GENERAL PIPING REQUIREMENTS.

- IF APPLICABLE, PRE-PIPED CHARBROILER DROPS ARE SHIPPED LOOSE.

- FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.

- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE

SIZE, NOT THE OVERALL APPLIANCE SIZE.

- THIS FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS.

JOB NAME: JERSEY MIKE'S

SYSTEM SIZE: ANSUL-3.0 TOTAL FP REQUIRED: 6. HOOD # 1 5' 0.00" LONG × 54" WIDE × 24" HIGH. RISER # 1 SIZE: 10" DIA.

HOOD # 1 METAL BLOW-OFF CAPS INCLUDED.

<u>LEGEND - FIRE CABINET ANSUL SYSTEM</u>

1.5 GALLON TANK 3 GALLON TANK

DEM AUTOMAN RELEASE

DEM REGULATED RELEASE

DEM REGULATED ACTUATOR ANSULEX LIQUID AGENT (3 GAL.)

ANSULEX LIQUID AGENT (1.5 GAL.)

CARTRIDGE (101-20)

CARTRIDGE (101-10)

CARTRIDGE (101-30) CARTRIDGE (LT-A-101-30)

DOUBLE TANK CARTRIDGE

TEST LINK

DOUBLE MICROSWITCH

12 HOSE ASSEMBLY

DUCT NOZZLE (430913) DUCT NOZZLE (419337)

NOZZLE ASSEMBLY (419336)

NOZZLE ASSEMBLY (419333)

ASSEMBLY (419335)

NOZZLE ASSEMBLY (419334)

NOZZLE ASSEMBLY (419338)

NOZZLE ASSEMBLY (419340)

NOZZLE ASSEMBLY (419339)

NOZZLE ASSEMBLY (419343)

NOZZLE ASSEMBLY (419342) NOZZLE ASSEMBLY (419341)

DETECTOR BRACKET

29 LOW TEMP FUSIBLE LINK

HIGH TEMP FUSIBLE LINK

MECHANICAL GAS VALVE

ELECTRICAL GAS VALVE

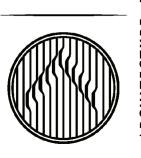
REMOTE MANUAL PULL STATION

SWIVEL ADAPTOR





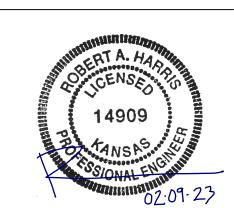
<i>JOB</i> Jersey Mike'	's Subs
LOCATION Prairie Villag	ge, KS
<i>DATE</i> 9/13/22	<i>JOB #</i> 5640190
DWG #	DRAWN BY EG-32
REV.	SCALE Not To Scale







These drawings/specifications are the property of Oculus Inc. They are furnished as contract documents only. The seal(s) and signature(s) apply only to the document to which they are affixed, and expressly disclaim ar responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty or those provided by their respective manufacturer.



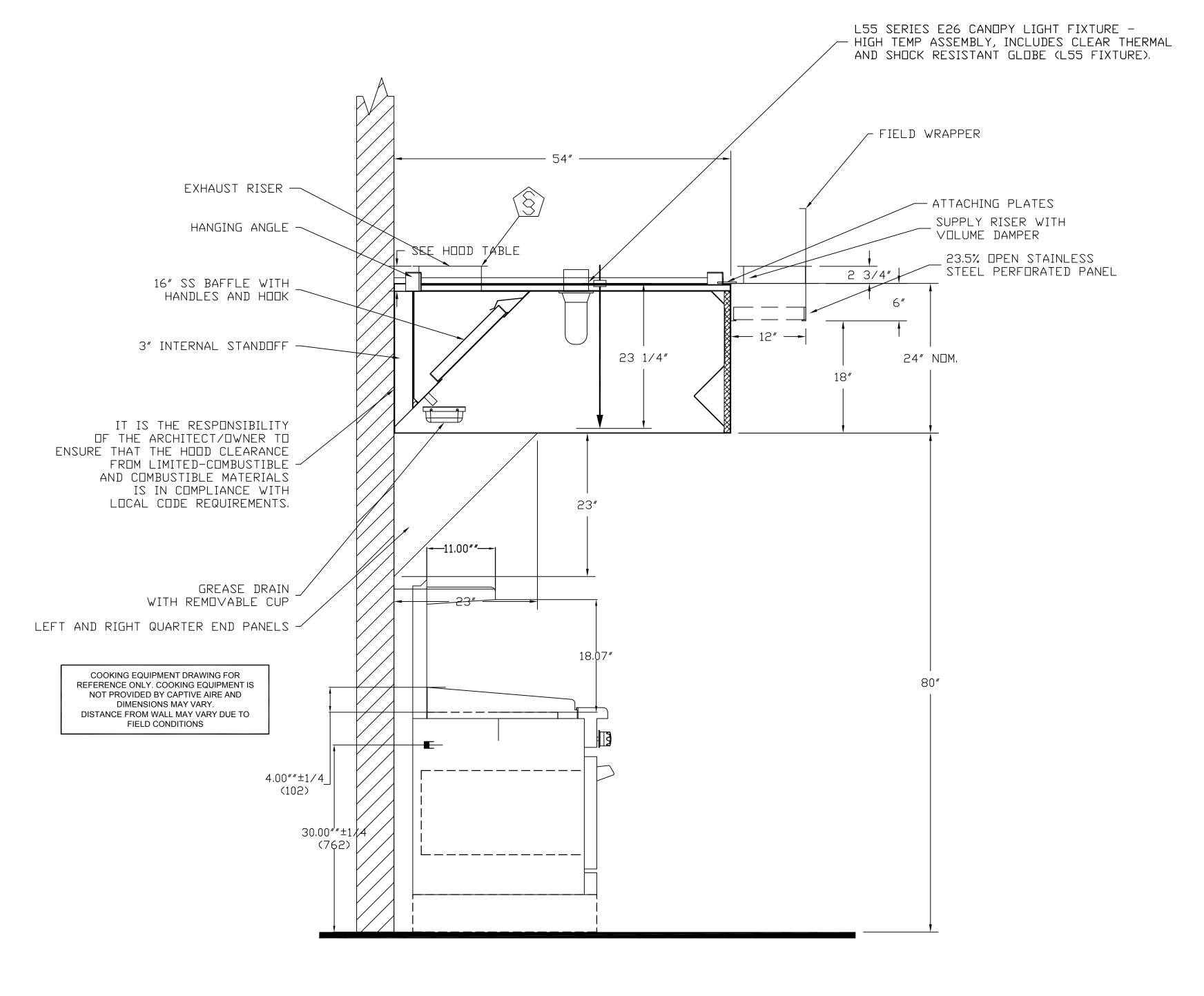
FOR PERMIT

Client Approval

CAPTIVEAIRE DRAWINGS

Project#	43422-KS0
Issue Date	01/30/202
Scale	As indicate
Drawn by	В
Checked by	В

ANSUL APPLIANCE PROTECTION DETAILS



<u>SECTION VIEW - MODEL 5424ND-2-PSP-F</u> <u>HOOD - #1</u>

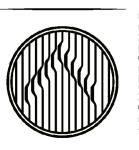
> <u>DUCT NOZZLE AND</u> <u>PLENUM SPRAY BAR LOCATION</u>

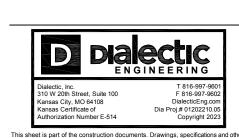




<i>JOB</i> Jersey Mike'	s Subs
LOCATION Prairie Villag	je, KS
<i>DATE</i> 9/13/22	<i>JOB #</i> 5640190
DWG #	<i>DRAWN BY</i> EG-32
REV.	SCALE Not To Scale

OCUILUS INC.





heets apply and need to be reviewed in total. Items shown are for diagrammatic presentation and may not be relied on or used as shop drawings. Provide all lodifications required to conform to site conditions, equipment and material used. erify locations and dimensions of all architectural and structural elements per their spective documents, as these elements are shown only for reference, and require erification prior to fabrication or construction. Engineer has no liability for the accuracy



LAGE
Super Ke 66208

7628 State Line Roa

scription Date

These drawings/specifications are the property of Oculus Inc. They are furnished as contract documents only. The seal(s) and signature(s) apply only to the document to which they are affixed, and expressly disclaim any responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty or certification relating to the performance of products and materials beyond those provided by their respective manufacturer.



FOR PERMIT

Client Approval

CAPTIVEAIRE DRAWINGS

Project # 43422-KS04

Issue Date 01/30/2023

Scale As indicated

Drawn by BLH

Checked by

GRIDDLE FAN (CANOPY HOOD)

-WIND BAND EXTENSION.

21 1/2"

GREASE DRAIN.

DUCTWORK BETWEEN

AND FAN (BY OTHERS).

EXHAUST RISER ON HOOD

26"

EXHAUST FAN INFORMATION

FAN UNIT MODEL #	MODEL	CFM	ESP.	RPM	H.P.	Ø	VOLT	FLA	WEIGHT (LBS,)	SONES	
DU50HFA	DU50HFA	1000	1.000	1471	0.500	1	115	8.4	84	15.3	

FAN OPTIONS

1 - Grease Box

CURB ASSEMBLIES

FAN #1 DU50HFA - EXHAUST FAN (GRIDDLE EF)

27 1/4"

□N FAN	WEIGHT	ITEM	SIZE
DU50HFA	38 FB2	Curb	19.500"W × 19.500"L × 26.000"H Vented Hinged

— 30 1/2*"* —

- 28 7/8″ —

— 13 1/4*"* —

VERIFY ROOF PITCH

PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.

SPECIFY PITCH:

IF ROOF INSULATION

THICKENESS IS GREATER

THAN 7.5" PLEASE

CONTACT CAPTIVEAIRE

TO EITHER ORDER

TALLER CURBS OR

WINDBAND EXTENSION

FAN BASE -

VENTED

CURB

20 GAUGE

ROOF OPENING

DIMENSIONS

-3" FLANGE

CONSTRUCTION

EXAMPLE: 7/12 PITCH = 30° SLOPE

MESSAGE ON LABEL:

"INSTALLER SHOULD SUPPLY ENOUGH ELECTRICAL CORD TO LET FAN MAKE COMPLETE

- ROOF MOUNTED FANS
- UL705 AND UL762
- VARIABLE SPEED CONTROL
- INTERNAL WIRING
- WEATHERPROOF DISCONNECT
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE)
- HIGH HEAT OPERATION 300°F (149°C)

NORMAL TEMPERATURE TEST

EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH

ABNORMAL FLARE-UP TEST

<u>OPTIONS</u>

GREASE BOX

ATTENTION!

INSTALLER MUST READ LABEL NEAR DISCONNECT SWITCH!

SWING"

FEATURES:

- RESTAURANT MODEL

- GREASE CLASSIFICATION TESTING

WOULD CAUSE UNSAFE OPERATION.

EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.



PITCHED CURBS ARE AVAILABLE

EXAMPLE: 7/12 PITCH = 30° SLOPE

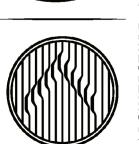
FOR PITCHED ROOFS.

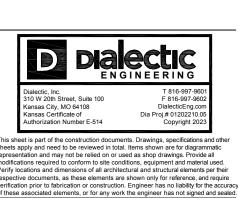
SPECIFY PITCH:



<i>JOB</i> Jersey Mike'	's Subs
LOCATION Prairie Villag	ge, KS
<i>DATE</i> 9/13/22	<i>JOB #</i> 5640190
DWG #	DRAWN BY EG-32
REV.	SCALE Not To Scale









These drawings/specifications are the property of Oculus Inc. They are furnished as contract documents only. The seal(s) and signature(s) apply only to the document to which they are affixed, and expressly disclaim any responsibility for all other plans, specifications, estimates, reports or other locuments or instruments relating to or intended to be used for any part or parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty or those provided by their respective manufacturer.



FOR PERMIT

Client Approval

CAPTIVEAIRE **DRAWINGS**

43422-KS04 Project# 01/30/2023 Issue Date As indicated Checked by

HEATED SUPPLY FAN (DOWN DISCHARGE)

MUA FAN INFORMATION

FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP.	RPM	H.P.	B.H.P.	Ø	VOLT	FLA	WEIGHT (LBS.)	SONES
D76	G7D	D.6	600	750	0.400	1473	1.000	.2710	1	115	11.6	327	15.7

GAS FIRED MAKE-UP AIR UNIT(S)

INPUT BTUs	OUTPUT BTUs	TEMP. RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE
49024	45102	59 deg F	7 in. w.c. – 14 in. w.c.	Natural

FAN OPTIONS

OPTION	(0+1/	_	Descr
	$\langle Q \downarrow \rangle$		DESCI,

- 1 AC Interlock Relay 24VAC Coil
- 1 Inlet Pressure Gauge, 0-35"
- 1 Manifold Pressure Gauge, -5 to 15" wc
- 1 ECM Wiring Package-Supply Manual or 0-10VDC Reference Speed Control (NIDEC Motor)
- 1 Motorized Intake Damper (D76)
- 1 Freezestat (10)

CURB ASSEMBLIES

20" EQUIPMENT CURB

ROOF OPENING 2" SMALLER THAN CURB DIMENSION

WEIGHT	ITEM	SIZE
50 LBS	Curb	19.500"W × 52.000"L × 20.000"H Insulated

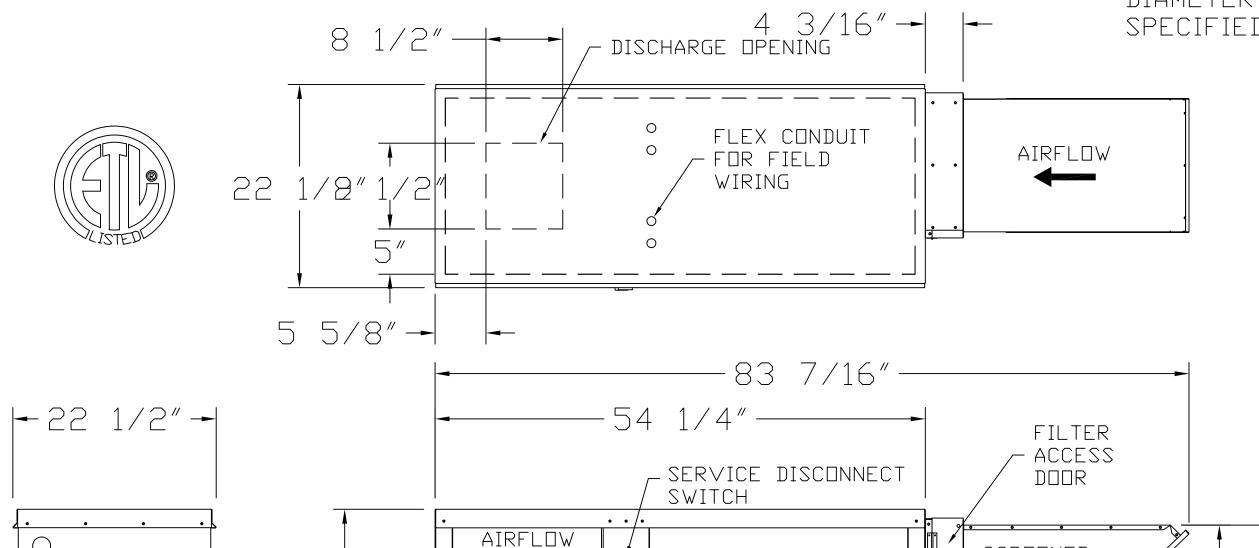
D76D HEATER

- 1. LOW CFM DIRECT FIRED HEATER. DIRECT DRIVE.
- 2. INTAKE HOOD WITH EZ FILTERS
- 3. DOWN DISCHARGE AIR FLOW RIGHT -> LEFT
- 4. COOLING INTERLOCK RELAY. 24VAC COIL. 120V CONTACTS. LOCKS OUT BURNER CIRCUIT WHEN AC IS ENERGIZED.
- 5. GAS PRESSURE GAUGE, 0-35", 2.5" DIAMETER, 1/4" THREAD SIZE
- 6. GAS PRESSURE GAUGE, -5 TO +15 INCHES WC., 2.5" DIAMETER, 1/4" THREAD SIZE
- 7. ECM WIRING PACKAGE AND MANUAL OR 0-10VDC CONTROL FOR SUPPLY EC MOTORS
- RTC CONTROLLER.

20 1/8"

- 8. MOTORIZED BACK DRAFT DAMPER 13" X 17" FOR D76 COMPACT DIRECT FIRED
- HEATERS W/EXTENDED SHAFT, STANDARD GALVANIZED CONSTRUCTION, 3/4" REAR
- FLANGE, TF120S ACTUATOR INCLUDED
- 9. FREEZESTAT WITH 10' SENSOR. FACTORY SET AT 35°F AND 10 MINUTES.

NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS, A MINIMUM STRAIGHT DUCT LENGTH EQUAL TO THREE TIMES THE SUPPLY DUCT EQUIVALENT DIAMETER MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE UNLESS OTHERWISE SPECIFIED, DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY.



+20 5/8°

-52"

♥ BLOWER/

ACCESS

22 1/8"

SUPPLY SIDE HEATER INFORMATION:

WINTER TEMPERATURE = 16°F. TEMP. RISE = 59°F. BTUs CALCULATED DFF ACTUAL AIR DENSITY. DUTPUT BTUs AT ALTITUDE DF 0.0 FT. = 47274. INPUT BTUs AT ALTITUDE DF 0.0 FT. = 51385. DUTPUT BTUs AT ALTITUDE DF 1296 FT. = 45102. INPUT BTUs AT ALTITUDE DF 1296 FT. = 49024.

VERIFY ROOF PITCH

PITCHED CURBS ARE AVAILABLE
FOR PITCHED ROOFS.

SPECIFY PITCH:

EXAMPLE: 7/12 PITCH = 30° SLOPE

PITCHED ROOF FORM

Pitched Along Width of Curb

CURB

INLET On high

INLET LEFT

RAIL

RAIL

CIRCLE ONE SITUATION ONLY

PERPENDICULAR TO ROOF PEAK

Pitched Along Length of Curb

PARALLEL TO ROOF PEAK

INLET RIGHT

INLET ON LOW

SIDE

24VAC Coil — Signal From Condenser "Call For Cooling Interlock"

MAKEUP

AIR

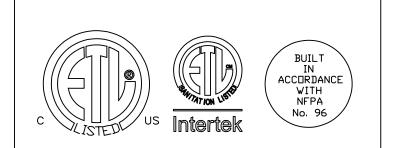
UNIT

27 ---- KITCHEN RTU

CONDENSER

NOTE: THIS CONNECTION WILL LOCK OUT THE MUA BURNER CIRCUIT WHEN A/C IS BEING SUPPLIED TO THE SPACE

MUA/ RTU INTERLOCK DETAIL (BY ELECTRICIAN)



SCREENED

INTAKE

AIRFLOW

CAPINE E

JOB Jersey Mike'	s Subs
LOCATION Prairie Villag	ge, KS
<i>DATE</i> 9/13/22	<i>JOB #</i> 5640190
DWG #	<i>DRAWN BY</i> EG-32
REV.	SCALE Not To Scale

OCULINE INC.







/ MIKES - PRAIRIE VILLAGE

Description

These drawings/specifications are the property of Oculus Inc. They are furnished as contract documents only. The seal(s) and signature(s) apply only to the document to which they are affixed, and expressly disclaim any responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty or certification relating to the performance of products and materials beyond those provided by their respective manufacturer.



FOR PERMIT

Client Approval

Checked by

CAPTIVEAIRE DRAWINGS

Project # 43422-KS04

Issue Date 01/30/2023

Scale As indicated

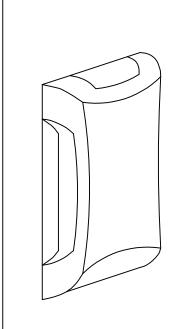
Drawn by BLH

PACKAGE #	LOCATION	CATION		OPTION	FANS CONTROLLED					
		LOCATION	QUANTITY		FAN TAG	TYPE	?	H.P.	VOLT	FLA
SC-110110MA	Utility Cabinet Right	03 - Utility Cabinet Right	1 Light	Smart Controls Thermostatic Control	GRIDDLE EF	Exhaust	1	0.500	115	8.4
2C-IIOIIOMA	Hood # 2 1 Fan	Smart controls triermostatic control	HEAT DOWN	Supply	1	1.000	115	11.6		

NEW MAKEUPAIR CONNECTIONS SEE BELOW

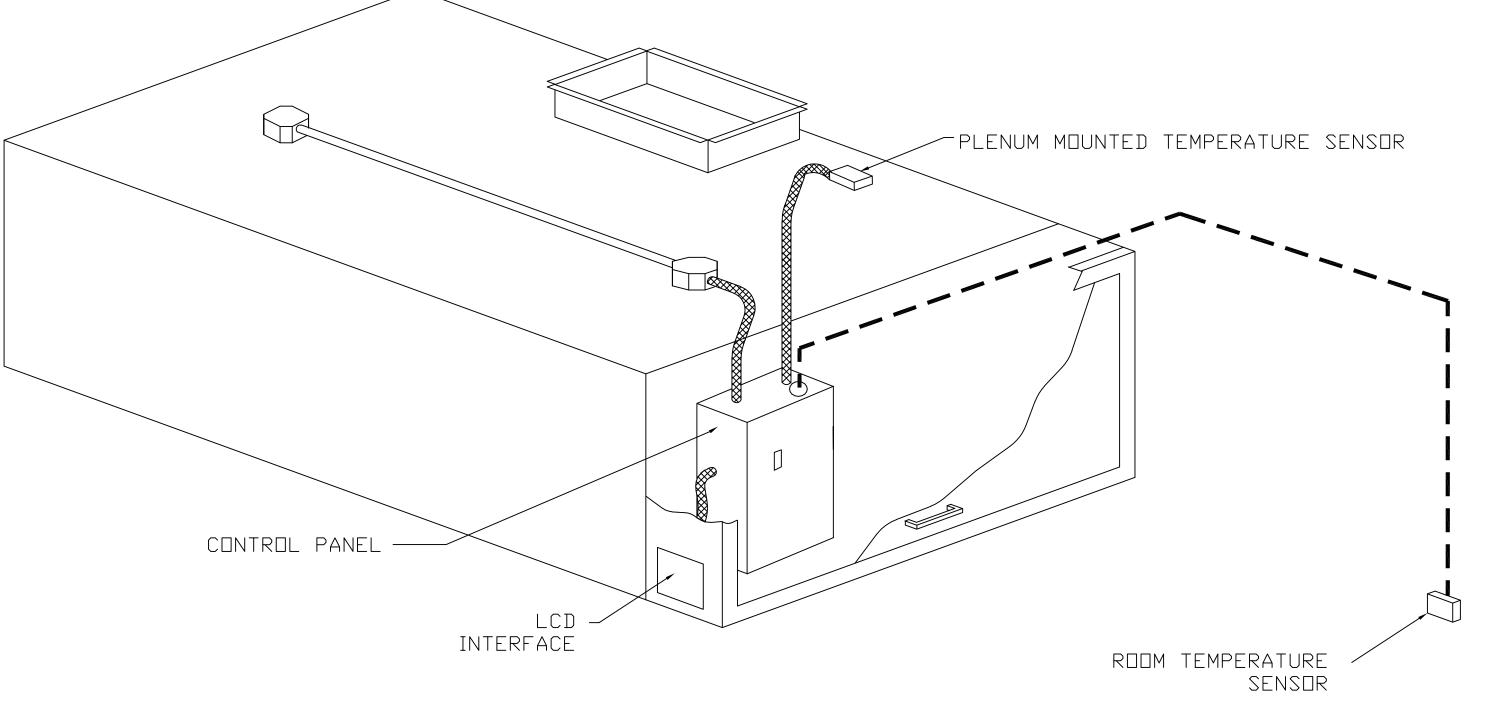
JOB NO	MODEL NUMBER SC-110110MA		DRAWN BY	SCHEMATIC TYPE INSTALL	
	JOB NAME Jersey Mike's Subs -		DATE 11/14/2018	DWG NO ECP #1-1	
DESCRIPTION OF OPERATION 120V 1 Phase w/ control for 1 Exhaust Fan, 1 Thermostatically Controlled. Room temperature	: Supply Fan, Exhaust on in Fire, Lights out in Fire, sensor shipped loose for field installation.	Fan(s) On/Off .			
BREAKER PANEL TO PRI Responsibility:				ACCESSORY Electrician	ITEMS
BREAKER SIZE SHOWN IS	THE MAXIMUM ALLOWED	CONTROL PANEL			COMPONEN
BREAKER PANEL BREAKER 1PH 120 V	PRIMARY CONTROL PANEL	CONTROL PANEL			MICROSWITCH
— 15 A — CONTROL POWER. To shunt trip b		FIRE SYSTEM DARIC	WIRE C1 TO CE	 IMMON (1). IORMALLY CLOSED (2)	1:C 2:NC
- IST HOOD LIGHT BREAKE CONTROL POWER. SWITCH BREAKER 1PH			C1 TO AR1 SHO	ULD HAVE	
115 V	Neutral OFNIO Ground GND	HOOD PANEL TO SWITCHES	ALL SWITCHES CAT-5 CONNEC	FACTORY WIRED	
15 A GRIDDEL E				DI ACU	HOOD LIGHTS
_		HOOD PANEL OBIC TO OWIC HOOD LIGHTS OGNIX	_ }- }	BLACK WHITE GREEN	
CONTROL PAN		1400 W MAX HOOD PANEL TIAC	WIRE TO J-BO 	X	
Responsibility: PRIMARY PANEL	FANS	TO T1BC KITCHEN TEMP SENSOR	SENSOR MOUNTE	ROL BOARD, ED IN ROOM AWAY JRCES, SEE MANUAL	ROOM TEM
Load Wiring T10LEG1/HUT_ C-1 T20-LEG2/NEUTRAL_ WIRE DIRECT GNDO	FAN: 01 GRIDDLE E	CONTROL PANEL T2AC			'
TO STARTER	WIRE TO DISCONNECT	TO T2BC CAPTURE VOLUME SENSOR	TITIO I BIXT WINE.) TEMERATURE ED IN HOOD CAPTURE	HOOD 1 CAPTURE
CONTROL PANEL OSFCIO DRY CONTACT OSFOIO	COMMON INSIDE MAU NORMALLY OPEN GND GND		l MAY □R	VING CONNECTIONS MAY NOT BE ASED ON JOBSITE	
ON/OFF WITH SUPPLY FAN GROUP 1 CONTACTS WILL COMMON TO NOR	REQUIRES SEPERATE CONDUIT	CONTROL PANELOSTO	SPEC	IFICATIONS ————————————————————————————————————	SHUNT COII
WHEN SUPPLY F	AN IS ON.	SIGNAL FOR NIC EXTERNAL SHUNT TRIP	∡ ├	. <u>FROM SHUNT COIL</u> IS ENERGIZED DITION,	
BREAKER PA Responsibility:	Electrician				
BREAKER PANEL	MAU Hot		I		ı
BREAKER 1PH V MCA: A	Neutral 00 VILT: Ground VIRE TO				
	DISCONNECT				
. —					

ROOM TEMPERATURE SENSOR



The Room Temperature sensor is a 10K Ohm Thermistor. The sensor provides constant room temperature to the controller. It should be installed on a wall somewhere in the space but not directly under the hood or close to an appliance so that the reading is not affected by heat.

Typically a system will have one room temperature sensor. However, systems configured with 2 fan zones have the option to be ordered with 2 room temperature sensors, one for each zone. They should be mounted in the space accordingly.



TYPICAL HOOD CONTROL PANEL INSTALLATION

SEQUENCE OF OPERATION - HOOD CONTROLS

ELECTRICAL PACKAGE: FP SERIES

Once all power, light and temperature sensor circuits are properly landed on the control terminal block the LCD interface will be illuminated. All temperature readings are measured by resistive temperature sensors (thermistors) installed in each hood exhaust riser. One room temperature sensor is installed in the space to measure ambient air temperature.

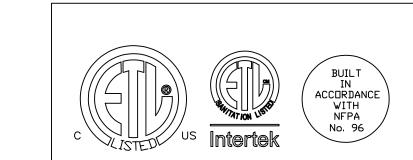
Two methods to activate system:

Manual activation:

Operator presses the fan button to energize starter(s) and start the exhaust fan(s), Supply fan(s), if present, will be activated by factory pre-wired interlock.

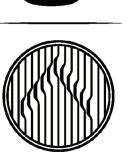
Automatic activation: Turn on cooking appliances. Exhaust fan(s) [and supply fan(s), if present] will automatically energize when duct temperature exceeds pre-set differential with respect to ambient room temperature (factory setpoint differential = 10 degrees É; adjustable). At the end of the day, after cooking operations have ceased, the fan(s) will shut off when the duct temperature falls below the setpoint differential.

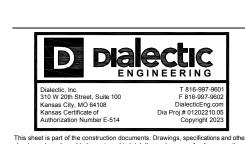
FIRE CONDITION IN THE EVENT OF A FIRE, A SIGNAL IS SENT ACROSS THE NORMALLY OPEN DRY CONTACT OF THE FIRE SUPPRESSION SYSTEM MICROSWITCH (INTERLOCKED WITH HOOD CONTROL PANEL BY ELECTRICIAN), EXHAUST FAN(S) TO REMAIN RUNNING, SUPPLY FAN(S) TO DE-ENERGIZE, LIGHTING CIRCUIT(S) TO DE-ENERGIZE, GAS/ELECTRIC TO SHUT OFF, MICROSWITCH MUST BE RESET PRIOR TO RESUMPTION OF NORMAL OPERATION.





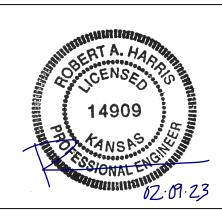
<i>10B</i> Jersey Mike'	s Subs
LOCATION Prairie Villag	ge, KS
<i>DATE</i> 9/13/22	<i>JOB #</i> 5640190
DWG #	DRAWN BYEG-32
REV.	SCALE Not To Scale







These drawings/specifications are the property of Oculus Inc. They are furnished as contract documents only. The seal(s) and signature(s) apply only to the document to which they are affixed, and expressly disclaim any responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty or those provided by their respective manufacturer.

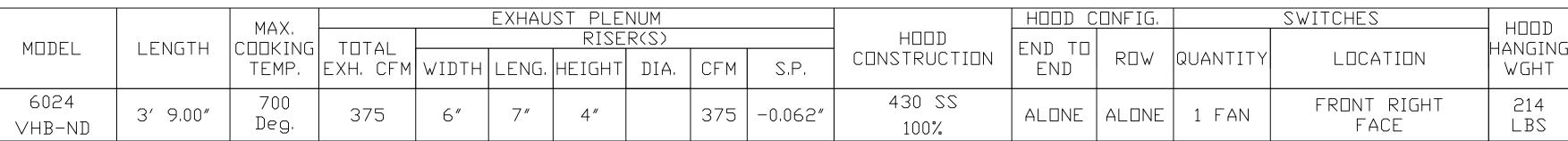


FOR PERMIT

Client Approval

CAPTIVEAIRE DRAWINGS

Project# 43422-KS04 Issue Date 01/30/2023 As indicated Checked by



Height required to verify that the hood will fit and to size the enclosure panels

-FIELD WRAPPER

24″ N□M.

— FACE MOUNTED FAN SWITCH

HOOD OPTIONS $H\Box\Box$ D TAG OPTION ND. FIELD WRAPPER 12.00" High Front, Left, Right (VERIFY CEILING HEIGHT BEFORE ORDERING) BACKSPLASH 84.00" High X 45.00" Long 430 SS Vertical

> FACE MOUNTED FAN SWITCH - 22 1/2"- 22 1/2" - — 3′ 9″Nom./3′ 9.00″□D ———

PLAN VIEW - BREAD OVEN HOOD 3' 9.00" LONG 6024VHB-ND

NOTE:

EXHAUST FAN IS SIZED FOR A MAXIMUM OF (3) 90 DEGREE RADIUS ELBOWS AND 25 FT OF STRAIGHT DUCTWORK. PLEASE CONSULT CAPTIVEAIRE IF DUCTWORK EXCEEDS THE ABOVE REQUIREMENTS.

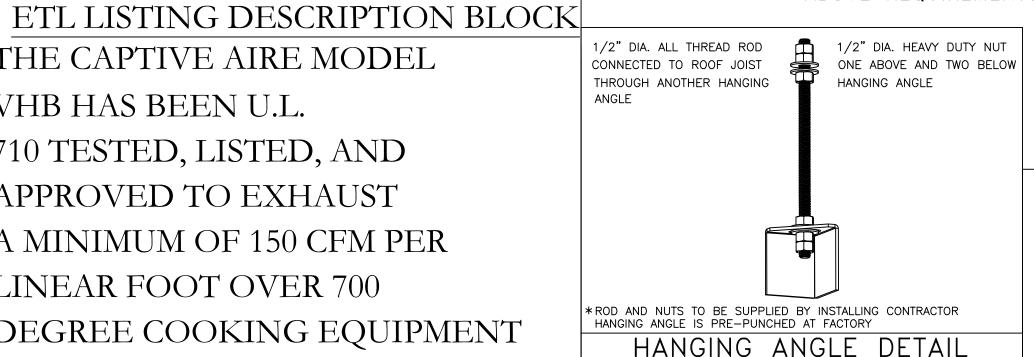
EXHAUST RISER -

HANGING ANGLE -

SECTION VIEW - MODEL 6024VHB-ND BREAD OVEN HOOD

THE CAPTIVE AIRE MODEL VHB HAS BEEN U.L. 710 TESTED, LISTED, AND APPROVED TO EXHAUST

A MINIMUM OF 150 CFM PER LINEAR FOOT OVER 700 DEGREE COOKING EQUIPMENT







BREAD OVEN

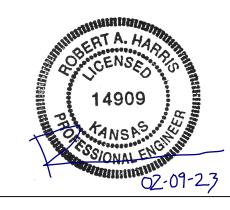
<i>JOB</i> Jersey Mike'	's Subs
LOCATION Prairie Villag	ge, KS
<i>DATE</i> 9/13/22	<i>JOB #</i> 5640190
DWG #	<i>DRAWN BY</i> EG-32
REV.	SCALE Not To Scale







These drawings/specifications are the property of Oculus Inc. They are furnished as contract documents only. The seal(s) and signature(s) apply only to the document to which they are affixed, and expressly disclaim any responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty o those provided by their respective manufacturer.



FOR PERMIT

Client Approval

CAPTIVEAIRE DRAWINGS

Project# 43422-KS04 01/30/2023 As indicated Checked by

BRHAD OVHN HAM

EXHAUST FAN INFORMATION

FAN UNIT ND.	TAG	FAN UNIT MODEL #	CFM	ESP.	RPM	H.P.	B.H.P.	Ø	VOLT	FLA	WEIGHT (LBS.)	SONES
1		DU12HFA	375	0,500	1404	0.180	0.1220	1	115	1,9	54	7.9

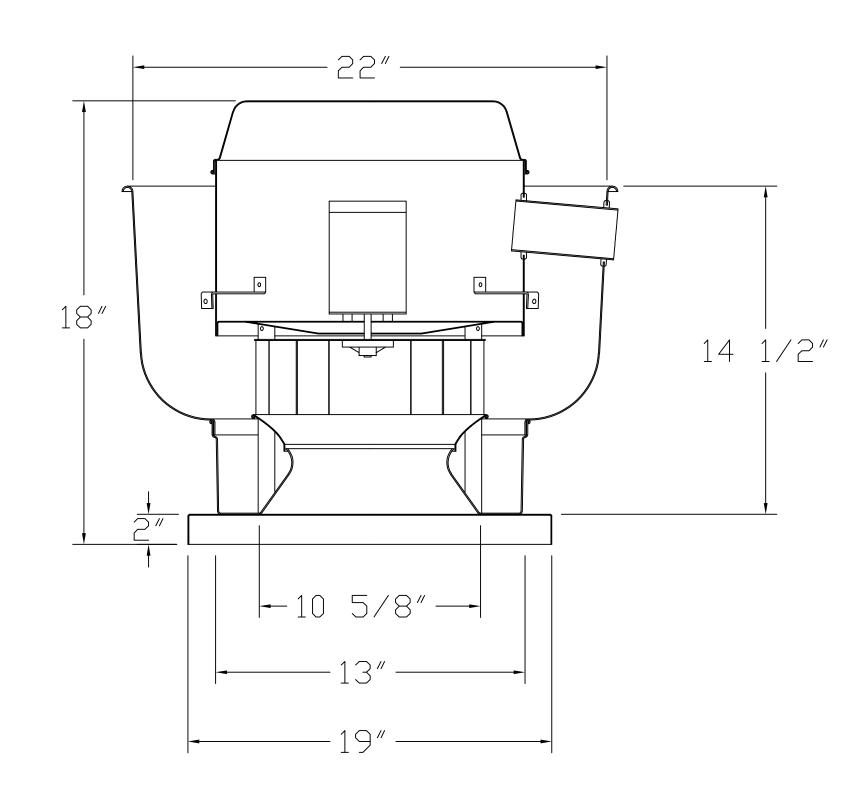
FAN OPTIONS

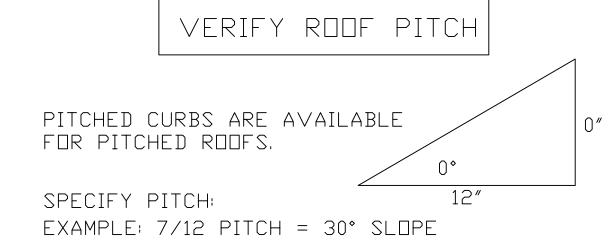
FAN UNIT ND.	TAG	OPTION (Qty Descr.)
1		1 - I 12-BDD Damper

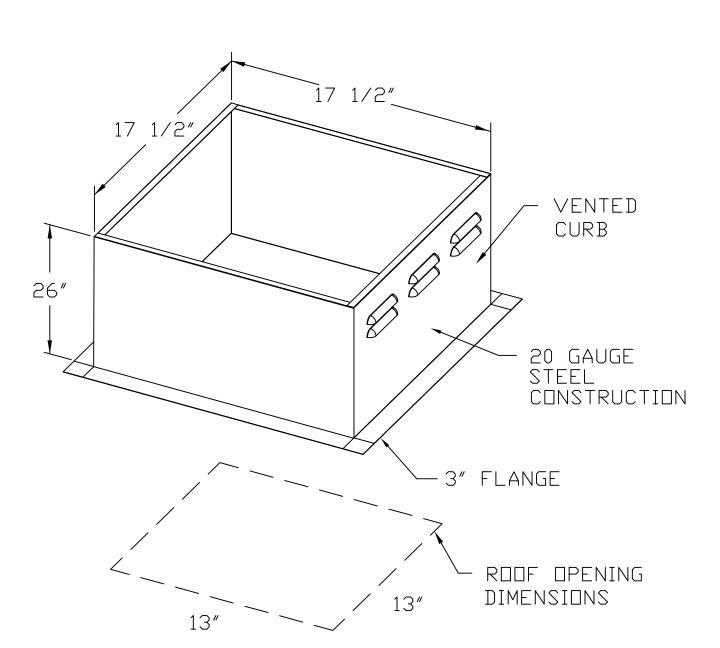
CURB ASSEMBLIES

N□.	□N FAN	WEIGHT	ITEM	SIZE
1	# 1	31 LBS	Curb	17.500"W × 17.500"L × 26.000"H

FAN #1 DU12HFA - EXHAUST FAN







FEATURES:

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS)
- ROOF MOUNTED FANS
- UL705
- VARIABLE SPEED CONTROL
- INTERNAL WIRING

JOB

DATE

DWG #

REV.

- WEATHERPROOF DISCONNECT
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE)

NORMAL TEMPERATURE TEST

EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST

EXHAUST FAN MUST OPERATE CONTINUOUSLY

WHILE EXHAUSTING BURNING GREASE VAPORS

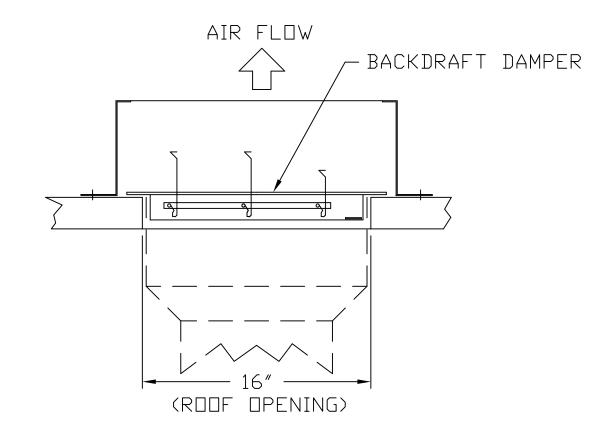
AT 600°F (316°C) FOR A PERIOD OF

15 MINUTES WITHOUT THE FAN BECOMING

DAMAGED TO ANY EXTENT THAT COULD CAUSE

AN UNSAFE CONDITION.

BACKDRAFT DAMPER INSTALLATION



Jersey Mike's Subs

JOB #

DRAWN BY EG-32

SCALE Not To Scale

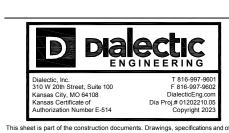
5640190

LOCATION Prairie Village, KS

9/13/22









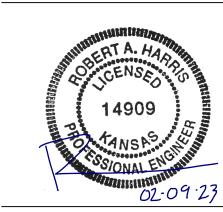


RSEY MIKES - PRAIRI VILLAGE

Description

These drawings/specifications are the property of Oculus Inc. They are furnished as contract documents only. The seal(s) and signature(s) apply only to the document to which they are affixed, and expressly disclaim any responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty or

those provided by their respective manufacturer.
© 2022 Oculus Inc.



FOR PERMIT

Client Approval

CAPTIVEAIRE DRAWINGS

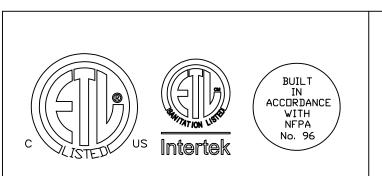
Project # 43422-KS04

Issue Date 01/30/2023

Scale As indicated

Drawn by BLF

Checked by BJF





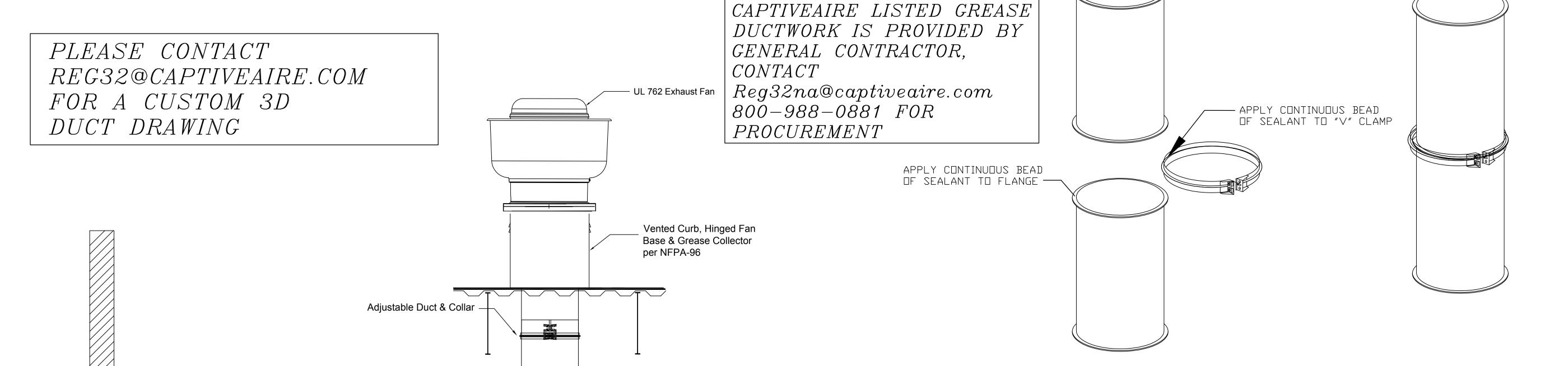
GRIDDIE HOOD DUCTWORK

Verify Length

80" Typical

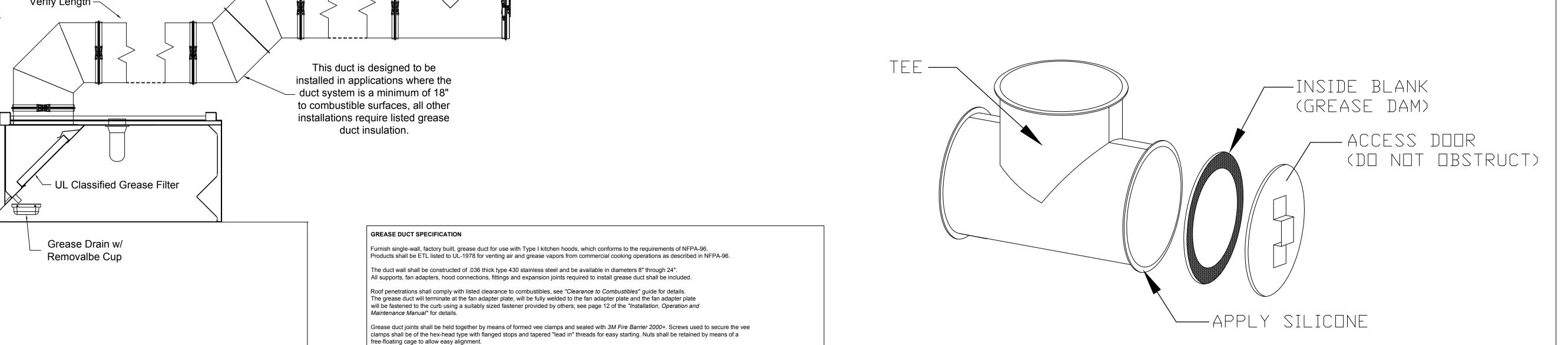
ETL Listed, Factory Built, Stainless Steel Grease Duct

COOKING EQUIPMENT



VERFIY EXHAUST RUN

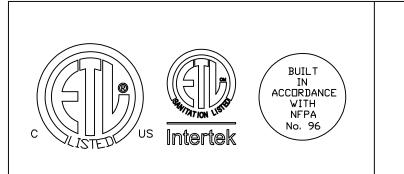
AND ROOF HEIGHT



(E) APPLICATION OF SEALANT II

APPLICATION OF SEALANT

DUCTWORK PROVIDED THROUGH THE GENERAL CONTRACTOR



Single-Wall Grease Duct shall be installed in accordance with the manufacturer's "Installation, Operation and Maintenance Manual", ETL listing and state and local codes. Grease duct installed outside of the building shall be protected against accidental damage or vandalism.

Support vertically installed grease duct from the building structure using rigid structural supports. Anchor supports to the structure by welding or bolting steel expansion anchors or concrete inserts. Support horizontally installed grease duct from the building structure using above method or use Duct Mate, Wire Rope & Clutchers, part

Fans shall be supported independently from the grease duct sections. Protect grease duct from twisting or movement caused by fan torque or vibration.

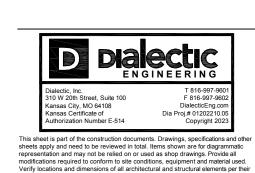
numbers WR20 & CL20. 1/2" Threaded rod and saddles may also be used for the support of horizontal grease duct.



<i>10B</i> Jersey Mike'	s Subs
LOCATION Prairie Villag	je, KS
<i>DATE</i> 9/13/22	<i>JOB #</i> 5640190
DWG #	<i>DRAWN BY</i> EG-32
REV.	SCALE Not To Scale

Oculus Inc





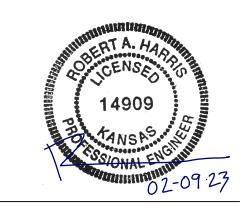


SEY MIKES - PRAIRIE VILLAGE

escription

These drawings/specifications are the property of Oculus Inc. They are furnished as contract documents only. The seal(s) and signature(s) apply only to the document to which they are affixed, and expressly disclaim any responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty or certification relating to the performance of products and materials beyond those provided by their respective manufacturer.

© 2022 Oculus Inc.



FOR PERMIT

Client Approval

CAPTIVEAIRE DRAWINGS

Project # 43422-KS04

Issue Date 01/30/2023

Scale As indicated

Drawn by BLH

Checked by

GREASE DUCT & CHIMNEY SPECIFICATIONS: PROVIDE GREASE DUCT EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW" ROUND 20 GAUGE 430 STAINLESS STEEL DUCTWORK, IS LISTED TO UL-1978 AND IS INSTALLED USING "V" CLAMP LOCKING CONNECTIONS SEALED WITH 3M FIRE BARRIER 2000 PLUS. DOES NOT REQUIRE WELDING PROVIDING IT HAS BEEN INSTALLED PER THE MANUFACTURES INSTALLATION GUIDE

PROVIDE RATED ACCESS DOORS AT EVERY CHANGE IN DIRECTION AND EVERY 12' ON CENTER, PER MANUFACTURES LISTING MODEL "DW" HORIZONTAL RUNS LESS THAN 75 FT. CAN BE SLOPED 1/16" PER 12", HORIZONTAL RUNS MORE THAN 75 FT. CAN BE SLOPED 3/16" PER 12". DUCT SHOULD BE SLOPED AS MUCH AS POSSIBLE TO REDUCE THE CHANCE OF GREASE ACCUMULATION IN HORIZONTAL RUNS.

IF THE DUCT OR CHIMNEY IS WITHIN 18 INCHES OF COMBUSTIBLE MATERIAL, PROVIDE UL-2221 OR UL-103 HT LISTED DOUBLE WALL GREASE DUCT OR DOUBLE WALL CHIMNEY EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW- 2R, 2R TYPE HT, 3R, OR 3Z" ROUND 20 GAUGE 430 STAINLESS INNER DUCT INSULATED WITH A 24 GAUGE 430 STAINLESS DUTER SHELL.

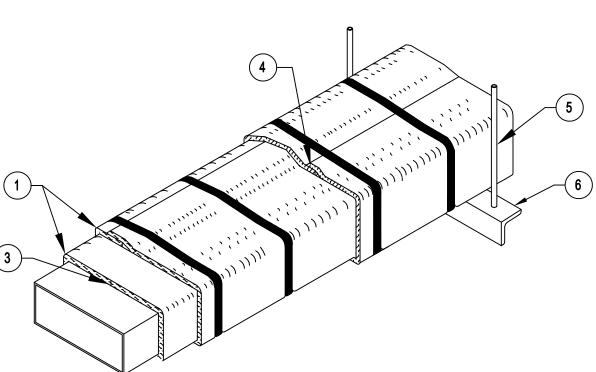
CUSTOMER APPROVAL TO MANUFACTURE:

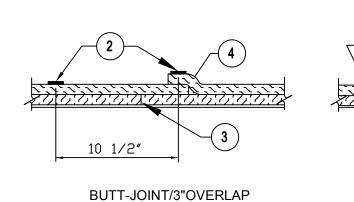
	1017 (1 4 G 1 7 (G 1 G 1 (E)
Approved as Noted	
Approved with NO Exception Taken	
Revise and Resubmit	
SIGNATURE	
Your Title	

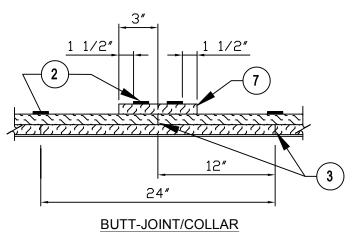
	COMBUSTIBLES			
DIAMET	ER (COMBUSTIBLES	LIMITED COMBUSTIBLES	NON COMBUSTIBLES
8″		18"	3″	0"
10"		18″	3″	0″
12"		18"	3"	0"
14"		18"	3"	0"
16"		18"	3 "	0"
18"		18"	3 "	0"
20"		18"	3″	0"
24"		18"	3″	0"

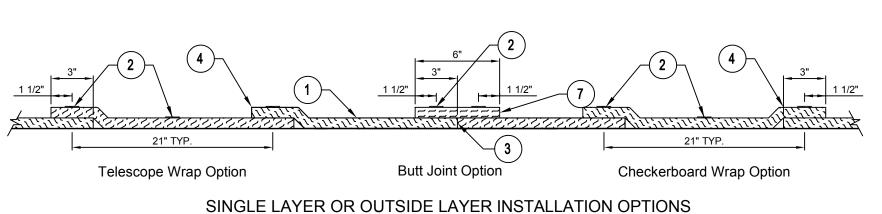
Thermal Ceramics

Firemaster® Fast Wrap XL Commercial Kitchen Grease Duct Enclosure System Air Ventilation Duct Enclosure System 1 or 2 Hour Shaft Alternative / Zero Clearance to Combustibles









LEGEND

- 1 Two Layers of Firemaster Fast Wrap XL Blanket for Grease Duct Enclosures One Layer of Firemaster Fast Wrap XL Blanket for Air Ventilation Duct Enclosures
- 2 | Steel banding minimum 1/2" wide by 0.015" thick.
- 3 Tight butt joints on inner layer
- 4 Min. 3" overlap on perimeter and between adjacent blanket on outside layer
- 5 Min. 3/8" diameter hanger rod
- 6 Min. 2" x 2" x 1/8" angle for Grease Duct Enclosures Min. 1-1/2" x 1-1/2" x 1/8" angle or SMACNA Equivalent for Air Ventilation
 - Duct Enclosures
- 7 Optional 6" FireMaster Fast Wrap XL collar The integrity of Pyroscat duct systems is limited to the quality of the installation.





JOB Jersey Mike'	s Subs	
LOCATION Prairie Villag	ge, KS	
<i>DATE</i> 9/13/22	JOB #	5640190
DWG #	DRAWN	<i>BY</i> EG-32
REV.	SCALE	Not To Scale

GREASE DUCT SPECIFICATION

Furnish single-wall, factory built, grease duct for use with Type I kitchen hoods, which conforms to the requirements of NFPA-96; <u>CAPTIVEAURE</u> or approved equal. Products shall be ETL listed to the UL-1978 standard for venting air and grease vapors from commercial cooking operations as described in NFPA-96.

The duct wall shall be constructed of .036" thick type 430 stainless steel and be available in diameters of 8" to 24". The grease duct termination at the fan shall be fully welded to a fan adapter plate (where applicable) and the adapter plate shall be fastened to the curb using a suitably sized fastener provided by others. See Detail A

The duct shall be listed with 18" clearance to combustible materials, 3" clearance to limited combustible materials and 0" clearance to non-combustible materials. Combustible materials are to be defined by the authority having jurisdiction. In cases where the duct distance to combustible materials is less than specified above, insulating products must be installed providing a reduced listing clearance. Approved insulating products include Firemaster Fast Wrap XL or equal when installed in accordance with the manufacturer's instructions. See Details B & C

Grease duct joints shall be held together by means of formed vee clamps and sealed with 3M Fire Barrier 2000+. Screws used to secure the vee clamps shall be of the hex-head type with flanged stops and tapered "lead in" threads for easy starting. Nuts shall be retained by means of a free-floating cage to allow easy alignment. A continuous bead of sealant is to be applied to the duct flange to flange connection, as well as to the "V" groove of the vee clamp. See Detail D

Single-Wall Grease Duct shall be installed in accordance with the manufacturer's "Installation, Operation and Maintenance Manual", ETL listing and state and local codes. Grease duct installed outside of the building shall be protected against accidental damage or vandalism. Support vertically installed grease duct from the building structure using rigid structural supports. Anchor supports to the structure by welding or bolting steel expansion anchors or concrete inserts. Support horizontally installed grease duct from the building structure using above method or use *Duct* Mate, Wire Rope & Clutchers, part numbers WR20 & CL20. 1/2" Threaded rod and saddles may also be used for the support of horizontal grease duct. Fans shall be supported independently from the grease duct sections. Protect grease duct from twisting or movement caused by fan torque or vibration.

Grease duct installations require provisions for cleaning the interior of the duct. NFPA cleanout

requirements are as follows:

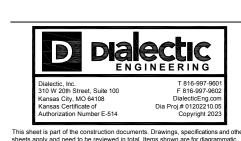
1. A cleanout must be provided at each change of direction except where the entire length of duct can be inspected and cleaned from either the hood or the discharge end.

2. On horizontal duct runs, at least one 20" diameter opening must be provided. Where the opening is smaller than 20" diameter, openings large enough to permit cleaning must be provided at intervals of no more than 12'.

- 3. Openings must be at the side or the top, whichever is more accessible. When the opening is on the side of the duct, the lower edge of the opening must be at least $1\frac{1}{2}$ " above the bottom of the duct. For listed grease duct, this is accomplished by the use of the grease manifold tee and cleanout cap. See Detail E
- 4. On vertical duct runs where personnel entry is possible, access must be from the top of the riser. Where entry is not possible, access must be provided at each floor.

Oculus (Culus

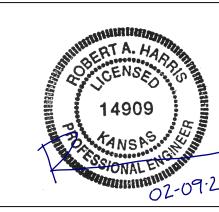






These drawings/specifications are the property of Oculus Inc. They are furnished as contract documents only. The seal(s) and signature(s) apply nly to the document to which they are affixed, and expressly disclaim responsibility for all other plans, specifications, estimates, reports or other ocuments or instruments relating to or intended to be used for any part of parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty o

those provided by their respective manufacturer.



FOR PERMIT

Client Approval

CAPTIVEAIRE DRAWINGS

43422-KS04 Project # 01/30/2023 Issue Date Scale As indicated Drawn by

Checked by

PLUMBING EQUIPMENT SCHEDULE						
TAG	DESCRIPTION	MAKE	MODEL	DESCRIPTION	TRIM/REMARKS	
WH(E)	ELECTIC TANK WATER HEATER (EXISTING)	STATE	EN6-50-DORS 110	TANK, ELECTRIC WATER HEATER, 4.5 KW, 208V-1ø, 50 GALLONS.	RELOCATE TO NEW LOCATION AS INDICATED PER PLAN AND REINSTALL PER LOCAL AND MANUFACTURER'S REQUIREMENTS. INSTALL WITH NEW EXPANSION TANK PER DETAILS.	
<u>RP</u>	RECIRCULATION PUMP	BELL & GOSSETT	NBF-9U	BRONZE PUMP WITH A CAPACITY OF 2.5 GPM AT 8 FT HEAD, 1/16 HORSEPOWER, 2800 RPM, 115V-1ø, 41 WATTS, 0.40 AMPS.	INSTALL NEAR WATER HEATER PER MANUFACTURER'S INSTRUCTIONS.	
<u>ΕΤ</u>	EXPANSION TANK	AMTROL	ST-5	STEEL SHELL, HEAVY DUTY BUTYL NSF/ANSI 61, FACTORY PRECHARGED TO 40 PSIG. MAX OPERATING TEMPERATURE OF 100°, MAX OPERATING PRESSURE 150 PSI, 1 YEAR MANUFACTURER'S WARRANTY. INSTALL PER MANUFACTURER'S INSTRUCTIONS. 2 GALLONS WITH AN ACCEPTANCE VOLUME OF .45 GALLONS.	CONNECT DOMESTIC COLD WATER TO EXPANSION TANK PER "SMALL EXPANSION TANK" DETAIL. INSTALL NEAR WATER HEATER. FIELD CHARGE EXPANSION TANK TO SYSTEM PRESSURE BEFORE CONNECTION TO DOMESTIC WATER SYSTEM.	

SEWAGE	EJECTOR	SCHEDULE			
TAG	MAKE	PUMP MODEL	PUMP	CONTROLS	BASIN AND COVER
<u>SE</u>	WEIL	MODEL 2413	(1) WEIL PUMP MODEL 2413 SUBMERSIBLE QUICK REMOVAL MOUNTED WASTEWATER PUMP, 2" DISCHARGE, FOR UP TO 2" SOLIDS, ½" HP, 1750 RPM, 115V-1ø, 60 HZ MOTOR, 50 GPM, 15' OF HEAD, IMPELLER TRIM OF 512, AND STAINLESS STEEL LIFTING CABLE LENGTH OF 20'. PUMP ACCESSORY: (1) MODEL 2613-2, ORDER NUMBER 2613K5013, REMOVAL SYSTEM FOR 2" PUMP, WITH A CAST IRON SLIDING BRACKET AND AN ANGLED UPPER GUIDE PIPE BRACKET FOR WALL MOUNTING.	(1) MODEL 8109 SIMPLEX CONTROL PANEL IN A TYPE 4X FRP ENCLOSURE FOR USE WITH 115V-1Ø MOTOR(S) DRAWING BETWEEN 1 AND 30 AMPS EACH. LEVEL CONTROL: (3) MODEL 8233, ORDER NUMBER 8233K1006AS, SINGLE POLE TETHERED FLOAT SWITCH WITH CORD GRIP AND 20' CORD LENGTH.	(1) FIBERBASIN MODEL FB30x66CF FIBERGLASS BASIN WITH SHALLOW CUP FLANGE. 30" DIAMETER (INTERIOR DIAMETER), 78" DEEP. (1) FIBERBASIN MODEL FB30CV FIBERGLASS COVER. 34" DIAMETER (OUTSIDE DIAMETER) BY ½" THICK PEDESTRIAN RATED, FLUSH.

JOHNSON COUNTY WASTEWATER.

GREASE INTERCEPTOR SIZING						
EQUIPMENT TAG	TYPE		BOWL DIMENSIONS		FLOW RATE:	
Eggi MENT 1716		WIDTH	LENGTH	DEPTH	(GAL*0.75/2MIN)	
14	3-COMP SINK	20	20	14	27.3	
15	PREP SINK	18	18	14	7.4	
<u>MS</u>	MOP SINK	24	24	10	9.4	
				TOTAL =	44.0	
			DAYS (BETWEEN PUMP OUT =	90	
SERVINGS PER DAY = 250 GREASE PRODUCTION VALUE (LOW GREASE PRODUCER) =				0.005		
GREASE PRODUCTION: SERVINGS PER DAY * GREASE PRODUCTION VALUE * DAYS BETWEEN PUMP OUT = 112.5						

| PLUMBING SPECIFICATION

THE WORK INCLUDES MODIFICATION TO EXISTING PLUMBING SYSTEM AND PROVIDING NEW MATERIALS, FITTINGS AND ACCESSORIES NECESSARY FOR A COMPLETE FUNCTIONING PLUMBING SYSTEM. THE WORK ALSO INCLUDES ROUGH-IN AND FINAL CONNECTIONS TO FOOD SERVICE EQUIPMENT AND BEVERAGE DISPENSING FOUIPMENT PROVIDED BY OTHERS, ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES AND ORDINANCES AND IS SUBJECT

HOOK-UP CHARGES, PERMITS AND ALL OTHER EXPENSES RELATED TO A COMPLETE AND FUNCTIONING PLUMBING SYSTEM ARE INCLUDED AS A PART OF THIS SECTION.

INTENT OF DRAWINGS IS TO INDICATE GENERAL EXTENT OF WORK REQUIRED. DRAWINGS FOR PLUMBING WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, FIXTURES AND EQUIPMENT REQUIRED. DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENTS. REFER TO MANUFACTURER'S STANDARD ROUGH-IN DRAWINGS FOR PLUMBING FIXTURE INSTALLATION REQUIREMENTS. COMPLY WITH APPLICABLE ADA INSTALLATION REQUIREMENTS.

COORDINATE WITH THE WORK OF OTHER SECTIONS, EQUIPMENT FURNISHED BY OTHERS, AND WITH CONSTRAINTS OF EXISTING CONDITIONS OF PROJECT

PIPING SYSTEMS - GENERAL: PIPING SHALL BE RUN PARALLEL TO BUILDING LINES AND SUPPORTED AND ANCHORED AS REQUIRED TO FACILITATE EXPANSION AND CONTRACTION. PIPING SHALL BE CONCEALED EXCEPT IN UNFINISHED SPACES. INSTALL PIPING AS REQUIRED TO MEET ALL CONSTRUCTION CONDITIONS AND TO ALLOW FOR INSTALLATION OF OTHER WORK SUCH AS DUCTS AND ELECTRICAL CONDUIT. PROVIDE ISOLATING DIELECTRIC UNION AT ALL CONNECTIONS BETWEEN FERROUS PIPING AND NONFERROUS PIPING. HANGERS SHALL BE COMPATIBLE WITH PIPING MATERIAL TO PREVENT CORROSION.

PROVIDE ALL FITTINGS, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY TO FACILITATE PLUMBING SYSTEM'S FUNCTIONING AS INDICATED BY THE DESIGN AND EQUIPMENT INDICATED.

FIXTURES/EQUIPMENT FURNISHED BY OTHERS: PLUMBING CONTRACTOR SHALL PROVIDE UTILITY CONNECTIONS REQUIRED SUCH AS WATER, GAS, SUPPLIES, WASTE OUTLET, TRAPS, ETCETERA AT ALL PLUMBING TYPE FIXTURES OR EQUIPMENT FURNISHED BY OWNER, GENERAL CONTRACTOR, FOOD SERVICE CONTRACTOR, EQUIPMENT SUPPLIER, ETCETERA. PROVIDE STOP VALVES, ESCUTCHEONS, AND CHROME PLATED BRASS TUBING WITH COMPRESSION

SANITARY SEWER AND GREASE WASTE PIPING: PROVIDE ALL DRAINS AND PIPING WITHIN PROJECT SPACE WITH CONNECTION TO EXISTING DRAINAGE SYSTEMS ON-SITE. SANITARY DRAINAGE PIPING ABOVE FLOOR SHALL BE HUBLESS CAST—IRON PIPE AND FITTINGS AND CONNECTIONS. IF ALLOWED BY LOCAL CODE AND CEILING SPACE IS NOT UTILIZED AS RETURN AIR PLENUM, CONTRACTOR MAY UTILIZE ABS/PVC PLASTIC PIPE, WITH SOLVENT WELD FITTINGS. SANITARY DRAINAGE PIPING BELOW GRADE SHALL BE ABS/PVC PLASTIC PIPE WITH SOLVENT WELD FITTINGS (IF ALLOWED BY LOCAL CODE). OR SERVICE-WEIGHT HUB AND SPIGOT TYPE CAST-IRON WITH NEOPRENE GASKET JOINT SYSTEM. NO ABS/PVC PLASTIC PIPING IS ALLOWED WITHIN CEILING VOIDS IF USED FOR NON-DUCTED RETURN AIR PLENUM. ALL EXTERIOR BELOW GRADE WASTE PIPING AND FITTINGS SHALL BE SOLID CORE ABS PLASTIC PIPE. ALL DRAINAGE PIPING SHALL BE UNIFORMLY PITCHED AT 1/4" PER FOOT FOR PIPE SIZES 3" AND SMALLER AND 1/8" PER FOOT FOR PIPE SIZES 4" AND LARGER, UNLESS OTHERWISE REQUIRED BY EXISTING CONDITIONS, OR INDICATED ON DRAWINGS.

SANITARY VENT PIPING: PROVIDE COMPLETE SYSTEM OF ABS/PVC PLASTIC PIPE, WITH SOLVENT WELD FITTINGS, OR STANDARD WEIGHT CAST IRON NO-HUB PIPE AND FITTINGS. NO ABS/PVC PIPING IS ALLOWED WITHIN CEILING VOIDS IF USED FOR NON-DUCTED RETURN AIR PLENUMS. VENT SYSTEM SHALL BE CARRIED THROUGH THE ROOF WITH APPROPRIATE FLASHING.

CONDENSATE AND INDIRECT DRAIN PIPING: TYPE M COPPER TUBING UP TO "ID, TYPE DWV COPPER TUBING AND FITTINGS FOR 1-1/4" AND LARGER

CLEANOUTS: PROVIDE CLEANOUTS AT END OF EACH HORIZONTAL RUN, AND AT BASE OF ALL VERTICAL WASTE AND DRAIN PIPES. CLEANOUTS SHALL BE OF SAME SIZE AS PIPES THEY SERVE, CONFORMING TO CODE REQUIREMENTS. PROVIDE SUITABLE WALL OR FLOOR CLEANOUTS WITH ACCESSORIES TO OBSCURE FROM VIEW.

WATER DISTRIBUTION PIPING: LAYOUT WATER PIPING SO THAT ENTIRE SYSTEM CAN BE DRAINED. ABOVE GRADE HOT AND COLD WATER PIPING SHALL BE 1/2" MINIMUM TYPE L COPPER TUBING WITH WROUGHT COPPER FITTINGS AND SWEAT CONNECTIONS. BELOW GRADE HOT AND COLD WATER PIPING SHALL BE 1/2" MINIMUM TYPE K COPPER TUBING WITH WROUGHT COPPER FITTINGS. AND SWEAT CONNECTIONS. PROVIDE WATER HAMMER ARRESTERS AT EACH FIXTURE OR GROUP OF FIXTURES AS REQUIRED. PROVIDE CHROME PLATED BRASS ESCUTCHEON PLATES AT ALL PENETRATIONS THROUGH FINISHED SURFACES (INCLUDING CABINET INTERIORS). USE LEAD FREE OR TIN-ANTIMONY SOLDER, 95/5 FOR ALL SWEAT FITTINGS OF COPPER PIPING.

KITCHEN EQUIPMENT SCHEDULE

DESCRIPTION

BREAD OVEN

HAND SINK - WALL HUNG

3 COMPARTMENT SINK

PREP SINK

GRILLE

DRINK DISPENSER

ICED TEA BREWER/DISPENSER

BAG IN BOX SYSTEM

ICE MAKER

EQUIPMENT TAG

10

13

14

22

28

WATER

FW

CW

⅓"

34"

3/4"

½"

2. PROVIDE WATTS #LF007 OR APPROVED EQUAL, DOUBLE CHECK VALVE ASSEMBLY BACKFLOW PREVENTER MEETING ASSE 1015.

PROVIDE WATTS #SD-3 OR APPROVED EQUAL, DUAL CHECK VALVE BACKFLOW PREVENTER WITH ATMOSPHERIC PORT MEETING ASSE 1022.

PIPE INSULATION: PROVIDE RIDGE ONE-PIECE FIBERGLASS PIPE INSULATION WITH REQUIREMENTS COMPLYING WITH ASTM C 547, SELF-SEALING ADHESIVE LAP LONGITUDINAL JOINTS AND BUTT STRIPS FOR TRANSVERSE JOINTS. JACKETING SHALL CONFORM TO ASTM C 1136, TYPE I, MAXIMUM VAPOR TRANSMISSION RATING OF 0.02 PERM WHEN TESTED ACCORDING TO ASTM E 96, PROCEDURE A, (K VALVE) 0.25 BTU/IN./HR. * FT2 * °F AT 75°F MEAN TEMPERATURE WITH MINIMUM R-VALVE OF R4.

PROVIDE INSULATION THICKNESS AS INDICATED: DOMESTIC COLD WATER:

PIPING 1" AND SMALLER: 1/2" THICKNESS. PIPING 1-1/4" - 1-1/2": 3/4" THICKNESS. DOMESTIC HOT WATER; PIPING 1" AND SMALLER: 1" THICKNESS.

PIPING 1-1/4 AND LARGER: 1-1/2" THICKNESS. PLUMBING VENT PIPING WITHIN 6 FEET OF ROOF OUTLET: 1" THICKNESS. CONDENSATE PIPING: 1/2" THICKNESS.

INSULATION FOR WATER AND WASTE PIPING BELOW ACCESSIBLE LAVATORIES/SINKS: PROVIDE TRUBRO "LAVGUARD 2" PRE-MANUFACTURERED ADA TRAP AND SUPPLY PROTECTION OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

PROVIDE SHUTOFF VALVES WITH UNIONS FOR SERVICE TO EACH PLUMBING FIXTURE, FOOD SERVICE EQUIPMENT ITEM OR OTHER EQUIPMENT ITEM, TO FACILITATE ISOLATION FOR REPAIR OR REPLACEMENT. PIPE LINE VALVES SHALL BE QUARTER TURN BALL VALVE EQUAL TO CRANE SERIES #9200, WITH TWO PIECE BRONZE BODY, FULL PORTED, CHROME PLATED BRASS BALL, REPLACEABLE "TEFLON OR TFE" SEATS AND SEALS, RATING OF 150 PSI WSP, 600 PSI WOG. CONNECTIONS SHALL BE SOLDER OR THREADED ENDS TO MATCH PIPING. STANDARDS COMPLIANCE - BRONZE OR BRASS VALVES: MSS-SP-110. WHEN SHUTOFF VALVES ARE PLACE IN CELLING. VALVES SHALL BE LOCATED AT MAXIMUM 12" ABOVE CEILING, AND NOTHING SHALL BE PLACE BETWEEN CEILING ACCESS AND VALVES.

PROVIDE ACCESS PANELS WHERE CONCEALED CONTROL DEVICES, VALVES, ETCETERA ARE CONCEALED WITHIN WALLS. WHERE ACCESS FOR ADJUSTMENT AND MAINTENANCE IS POSSIBLE THROUGH LAY-IN SUSPENDED CEILINGS, ACCESS PANELS ARE NOT REQUIRED.

INSTALLATION: THOROUGHLY CLEAN ITEMS BEFORE INSTALLATION. CAP PIPE OPENINGS TO EXCLUDE DIRT UNTIL FIXTURES ARE INSTALLED AND FINAL CONNECTIONS HAVE BEEN MADE. PROCEED AS RAPIDLY AS CONSTRUCTION WILL PERMIT. SET FIXTURES LEVEL AND IN PROPER ALIGNMENT. INSTALL SUPPLIES IN PROPER ALIGNMENT WITH FIXTURES. INSTALL SILICONE SEALANT BETWEEN FIXTURES AND ADJACENT MATERIAL, FOR SANITARY JOINT, AND OMIT ESCUTCHEONS.

REPAIR EXISTING PLUMBING SYSTEM COMPONENTS DAMAGED BY CONSTRUCTION OPERATIONS AND RESTORE TO ORIGINAL CONDITION.

TEST WATER SYSTEM UNDER 150 PSIG HYDROSTATIC PRESSURE, FOR MINIMUM FOUR (4) HOURS. WHEN TESTING INDICATES MATERIALS OR WORKMANSHIP IS DEFICIENT, REPLACE OR REPAIR AS REQUIRED. AND REPEAT TEST UNTIL STANDARDS ARE ACHIEVED.

TEST SANITARY DRAINAGE AND VENT SYSTEM BY FILLING WITH WATER, WITH ALL POINTS IN SYSTEM BEING SUBJECT TO PRESSURE OF AT LEAST 10' OF WATER. WATER LEVEL SHALL REMAIN STATIONARY FOR A PERIOD OF ONE HOUR, WITHOUT PIPE OR JOINT LEAKAGE. IF TESTING INDICATES DEFICIENCIES REPLACE OR REPAIR AS REQUIRED, AND REPEAT TEST UNTIL STANDARDS ARE ACHIEVED.

NATURAL GAS SYSTEM: PROVIDE COMPLETE GAS PIPING SYSTEM TO SERVE GAS FIRED HVAC EQUIPMENT, DOMESTIC WATER HEATERS AND EQUIPMENT FURNISHED BY OTHERS, AS NOTED ON THE DRAWINGS. PROVIDE THREADED STEEL OR MALLEABLE IRON PIPE WITH MALLEABLE FITTINGS OR WELDED STEEL. PROVIDE ALL UNIONS, SHUT-OFF VALVES AND DIRT LEGS REQUIRED BY NFPA-54 AND GOVERNING LOCAL CODES AND AT EACH GAS APPLIANCE CONNECTION. PROVIDE ALL TESTS, METERS, INSPECTIONS, HANGERS AND EQUIPMENT CONNECTIONS REQUIRED FOR A COMPLETE AND OPERATING

WASTE

DIRECT

2"

VENT

1½"

WATER PIPING DESIGN IS BASED ON TOTAL OF 23 WSFU / 22 GPM, WITH MAXIMUM PRESSURE LOSS OF 5 PSI PER 100' OF PIPE RUN AND MAXIMUM VELOCITY OF 8 FPS FOR COLD WATER AND 5 FPS FOR HOT WATER. PROVIDE

TYPE K COPPER FOR BELOW GRADE PIPING AND TYPE L COPPER FOR

3/4"

INDIRECT

2"

¾"

¾"

ABOVE GRADE PIPING.

WATER PIPING DESIGN:

HW

3/4"

¾"

INPUT

(CFH)

135

NOTES

PLUMBING SYMBOLS LEGEND

ABBREVIATIONS: ABOVE FINISHED FLOOR/GRADE AFF/AFG BACKFLOW PREVENTER CO CLEANOUT FFCO/FGCO FLUSH FLOOR/GRADE CLEANOUT FOOD SERVICE EQUIPMENT CONTRACTOR INDIRECT WASTE PLUMBING CONTRACTOR ROUGH-IN

TYPICAL UNLESS NOTED OTHERWISE UNO VTR VENT THRU ROOF WALL CLEANOUT **EXISTING**

LINETYPES:

	EXISTING PLUMBING LINE - SEE DRAWING
	COLD WATER (CW)
	COLD WATER (CW) - BELOW SLAB/GRADE
	HOT WATER (HW)
	HOT WATER RETURN (HWR)
—— G——	GAS LINE (G)
——D——	CONDENSATE LINE (D)
	PLUMBING VENT (V)
	PLUMBING VENT (V) - BELOW SLAB/GRADE
<u> </u>	SANITARY WASTE (SAN) - BELOW SLAB/GRADE
	PUMPED WASTE (PW) - BELOW SLAB/GRADE
I	

GENERAL REFERENCES/NOTATIONS:				
•	CONNECT TO EXISTING			
#	PLAN NOTE DESIGNATION			
XX	FIXTURE DESIGNATION			
﴿ →	FIRE PROTECTION NOTE DESIGNATION			
X	FOODSERVICE EQUIPMENT DESIGNATION			
<u>_</u> #	REVISION DESIGNATION			

FIFE STWIDGES.	
c→ →	PIPE TURNING UP/DOWN
\	TEE TURNING UP/DOWN
├ ── Ф ── 	SHUTOFF VALVE (BALL TYPE)
$\leftarrow \sim$	CHECK VALVE

├ BALANCING VALVE

END CAP

SYMBOLS LEGEND NOTES: REFER TO SPECIFICATIONS AND PLAN NOTES FOR DETAILED DESCRIPTION OF

ALL DEVICES SHOWN IN THIS SCHEDULE, PROVIDED BY THIS CONTRACTOR.

GENERAL NOTES

CONTRACTORS AND SUB-CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS. INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE COMPLETE

COORDINATE WITH WORK OF OTHER SECTIONS, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF OWNER, AND WITH CONSTRAINTS OF EXISTING CONDITIONS OF PROJECT SITE. PROVIDE PIPE RISES, DROPS, AND OFFSETS AS REQUIRED FOR FIELD INSTALLATION AND TRADE COORDINATION. NOTIFY ARCHITECT OF DISCREPANCIES BEFORE STARTING

DRAWINGS FOR PLUMBING WORK ARE DIAGRAMMATIC, SHOWING GENERAL LOCATION, TYPE, LAYOUT AND EQUIPMENT REQUIRED. DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENT. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS. REFER TO MANUFACTURER'S STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. PROVIDE PIPING, CONNECTIONS, FITTINGS, VALVES, OFFSETS AND ALL MATERIALS NECESSARY FOR A COMPLETE SYSTEM.

ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AS APPROVED AND AMENDED BY THE GOVERNING AUTHORITY. PURCHASE ALL PERMITS ASSOCIATED WITH THE WORK. OBTAIN ALL INSPECTIONS REQUIRED BY CODE.

PROVIDE WATER HAMMER ARRESTORS THROUGHOUT WATER SYSTEMS AS REQUIRED PER "WATER HAMMER ARRESTERS" DETAIL.

PROVIDE BACKFLOW PREVENTION DEVICES IN WATER LINES FEEDING PLUMBING FIXTURES AND EQUIPMENT AS SHOWN ON PLANS AND ELSEWHERE AS REQUIRED BY AUTHORITY HAVING JURISDICTION. USE DEVICES OF APPROVED MANUFACTURER AND TYPE IN ACCORDANCE WITH REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.

VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. IF PRESSURE AT BUILDING ENTRY PRIOR TO ALL LOCALLY REQUIRED DEVICES IS LESS THAN 60 PSIG STATIC, CONTACT OWNER'S REPRESENTATIVE. IF PRESSURE EXCEEDS 80 PSIG, PROVIDE PRESSURE REDUCING VALVE AND SET AT 80

SUSPEND HORIZONTAL SERVICE PIPING FROM UNDERSIDE OF ROOF OR FLOOR STRUCTURE UNLESS OTHERWISE INDICATED. INSTALL PIPING AS HIGH AS POSSIBLE. EXTEND PIPING DOWN IN WALLS, PARTITIONS AND CHASES TO SERVE FIXTURES AND EQUIPMENT.

VERIFY SERVICE CONNECTION POINTS, SIZES, ELEVATIONS AND METERING LOCATIONS FOR PROJECT WITH LOCAL UTILITY COMPANIES AND/OR CIVIL ENGINEER, AS APPLICABLE.

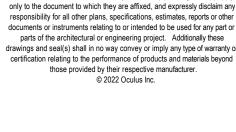
REFER TO OTHER PORTIONS OF PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION ABOUT ITEMS FURNISHED AND WORK PERFORMED BY FOOD SERVICE EQUIPMENT CONTRACTOR (FSEC). VERIFY

ROUGH-IN AND CONNECTION REQUIREMENTS WITH FSEC SHOP DRAWINGS. COMPLY WITH LOCAL HEALTH DEPARTMENT REGULATIONS. OMIT ESCUTCHEONS IN FOOD SERVICE AREAS. SEAL PIPES NEATLY WITH GROUT AT WALL, FLOOR, OR CEILING PENETRATIONS, OMIT INSULATION ON EXPOSED PIPING BEHIND AND UNDER EQUIPMENT. PROVIDE CLEARANCE BEHIND AND UNDER EXPOSED PIPING AS REQUIRED BY HEALTH DEPARTMENT. WHEREVER POSSIBLE, INSTALL PIPING IN FOOD SERVICE AREAS CONCEALED. CONFORM TO HEALTH DEPARTMENT REQUIREMENTS

FOR LOCATIONS OF FLOOR SINKS.

These drawings/specifications are the property of Oculus Inc. They are furnished as contract documents only. The seal(s) and signature(s) apply

Description





FOR PERMIT

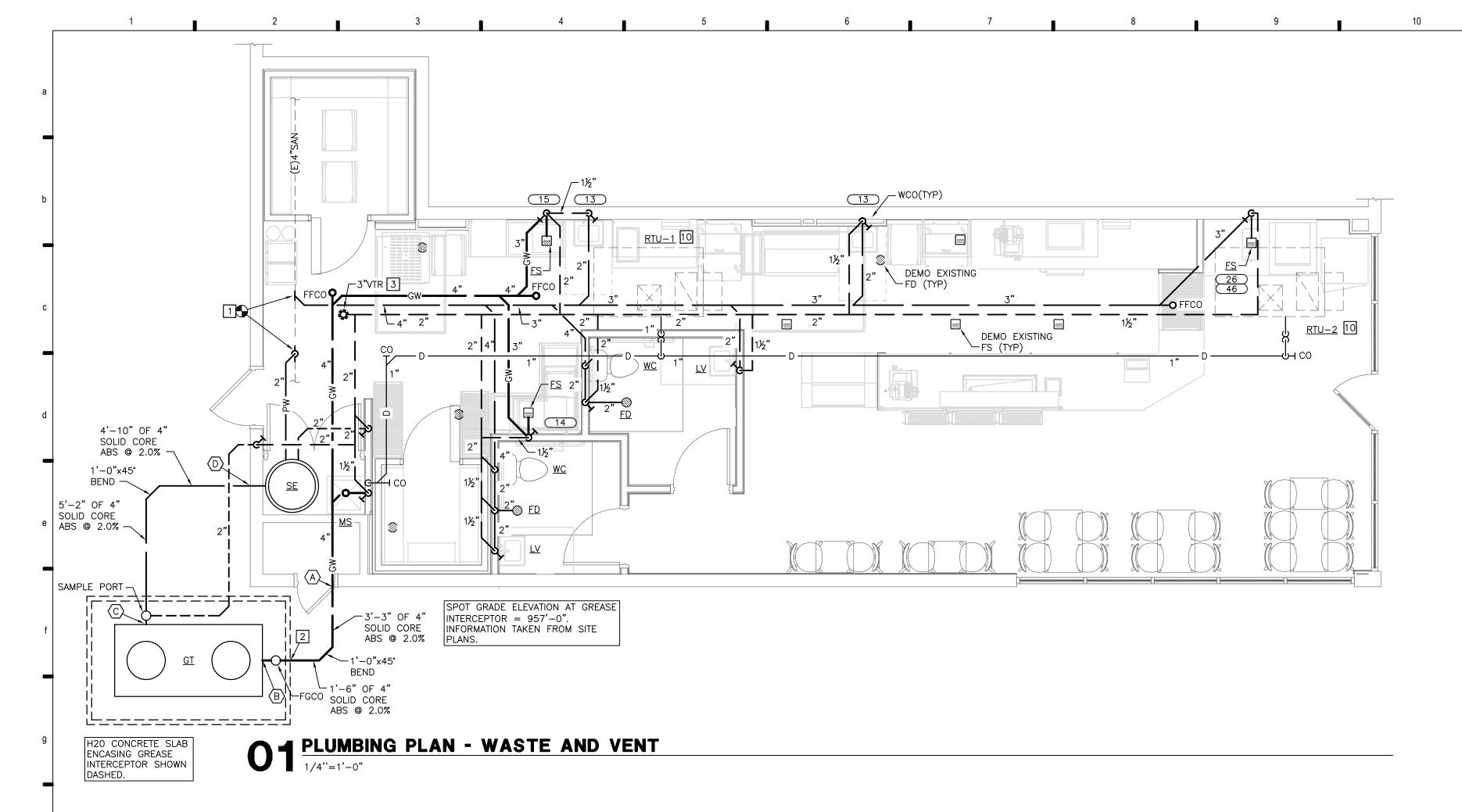
Client Approval

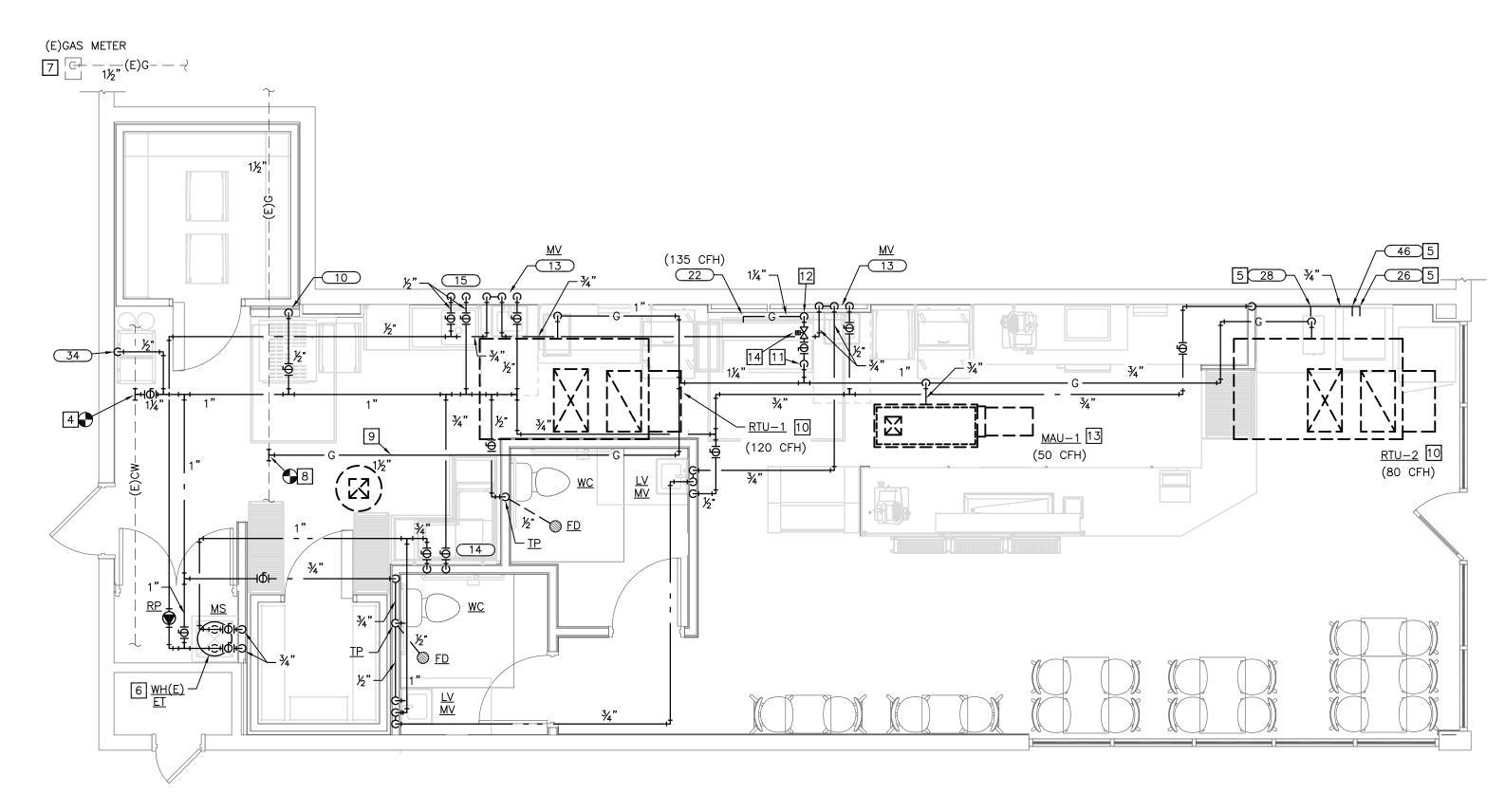
Checked by

PLUMBING SCHEDULES, LEGEND AND NOTES

43422-KS04 Project# 01/30/2023 Issue Date Scale As indicated Drawn by

of these associated elements, or for any work the engineer has not signed and sealed GREASE WASTE (GW) - BELOW SLAB/GRADE HVAC EQUIPMENT DESIGNATION DIDE SYMBOLS Ш





O2 PLUMBING PLAN - WATER AND GAS

1/4"=1'-0"

PLUMBING KEY NOTES

- 1 CONNECT TO LANDLORD FURNISHED SANITARY WASTE LINE BELOW FLOOR AS SHOWN PER PLAN. FIELD VERIFY REQUIREMENTS.
- 2 CONNECT TO GREASE INTERCEPTOR PER DETAIL. FIELD VERIFY LOCATION.
- 3 PROVIDE SANITARY VENT THROUGH ROOF AS SHOWN PER PLAN PER "VENT THRU ROOF (VTR)" DETAIL. LOCATE VENT MINIMUM 10'-0" AWAY FROM AIR INTAKES ON ROOF.
 - FROM AIR INTAKES ON ROOF.
- 4 CONNECT TO LANDLORD FURNISHED DOMESTIC WATER STUB. FIELD VERIFY REQUIREMENTS.
- 5 PROVIDE APPROVED BACKFLOW PREVENTION DEVICE ON KITCHEN EQUIPMENT PER LOCAL AND STATE AUTHORITIES.
- 6 RELOCATE EXISTING WATER HEATER AND ACCESSORIES TO NEW LOCATION AS INDICATED PER PLAN. REINSTALL PER "SUSPENDED WATER HEATER"

 DETAIL.
- 7 COORDINATE WITH LOCAL GAS COMPANY TO VERIFY EXISTING GAS METER AND PRESSURE REGULATOR AT DEDICATED METER LOCATION, FOR TOTAL CAPACITY AS INDICATED IN GAS SCHEDULE. FIELD VERIFY EXACT
- 8 CONNECT TO EXISTING GAS PIPING ROUTED ON ROOF. FIELD VERIFY REQUIREMENTS.
- | | 9| ROUTE GAS PIPE ON ROOF PER "ROOF GAS PIPE SUPPORT" DETAIL.
- 10 REFER TO "ROOFTOP UNIT CONNECTIONS" DETAIL FOR CONDENSATE AND GAS UNIT CONNECTION REQUIREMENTS.
- 11 ROUTE GAS PIPE THROUGH ROOF PER "ROOF PENETRATION" DETAIL.

 12 ROUTE GAS LINE TO KITCHEN EQUIPMENT PER "COOKING APPLIANCE
- GAS" DETAIL.

 13 REFER TO "MAKE-UP AIR UNIT CONNECTION" FOR GAS CONNECTION
- REFER TO "MAKE-UP AIR UNIT CONNECTION" FOR GAS CONNECTION REQUIREMENTS.
- 14 INSTALL GAS MECHANICAL VALVE BELOW CEILING. INTERLOCK WITH ANSUL FIRE PROTECTION SYSTEM AT HOOD. COORDINATE WITH HOOD MANUFACTURER FOR EXACT REQUIREMENTS. VALVE PROVIDED BY HOOD MANUFACTURER.

GAS SCHEDULE

LOCATION OF METER.

EQUIPMENT TAG	INPUT CFH
RTU-1	120
RTU-2	80
MAU-1	50
22	135
TOTAL CFH =	385

SIZING DATA

GAS: NATURAL GAS

PIPING: SCH 40 STEEL W/ GALVANIZED FITTINGS

CODE: 2015 IFGC, TABLE 402.4(2)

PRESSURE: 7" W.C. SUPPLY WITH 0.5" W.C. DROP

DEVELOPED LENGTH: 150'-0"

DEVELOPED LENGTH: 150'-0"	
PIPE SIZING	
83 CFH	3/4"
157 CFH	1"
322 CFH	1¼"
482 CFH	1½"
928 CFH	2"
1,480 CFH	21/2"
2,610 CFH	3"

INVERT SCHEDULE

IIIVEIII OOIIEBOEE	
LOCATION	INVERT*
GREASE LINE LEAVING BUILDING (A)	954'-6"
GREASE LINE ENTERING INTERCEPTOR (B)	954'-5"
SANITARY LINE LEAVING INTERCEPTOR (C)	954'-3"
SANITARY LINE ENTERING BUILDING (D)	954'-0"

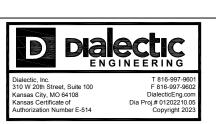
*INVERT DISTANCE IS TAKEN FROM THE TOP OF THE FINISHED FLOOR OR FINISHED GRADE TO THE INVERT ELEVATION OF THE PIPE AT THE POINT INDICATED PER PLAN. CALCULATION BASED ON A STARTING INVERT OF 955'-0" TO ENSURE THERE IS A MINIMUM OF 30" OF COVER OVER THE TOP OF THE

PIPE. ALL EXTERIOR PIPE SHALL MEET CURRENT JCW STANDARDS.









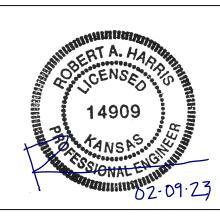
representation and may not be relied on or used as shop drawings. Provide all modifications required to conform to site conditions, equipment and material used. Verify locations and dimensions of all architectural and structural elements per their respective documents, as these elements are shown only for reference, and require verification prior to fabrication or construction. Engineer has no liability for the accuracy of these associated elements, or for any work the engineer has not signed and sealed.



IIKES - PRAIRIE ILLAGE

Description Da

These drawings/specifications are the property of Oculus Inc. They are furnished as contract documents only. The seal(s) and signature(s) apply only to the document to which they are affixed, and expressly disclaim any responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty or certification relating to the performance of products and materials beyond those provided by their respective manufacturer.



FOR PERMIT

Client Approval

Checked by

PLUMBING PLANS

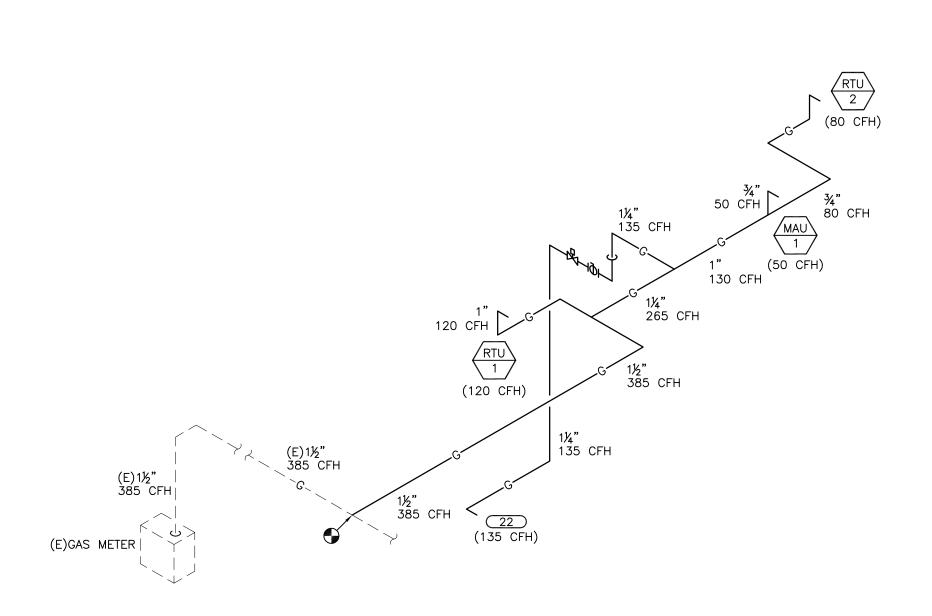
Project # 43422-KS04

Issue Date 01/30/2023

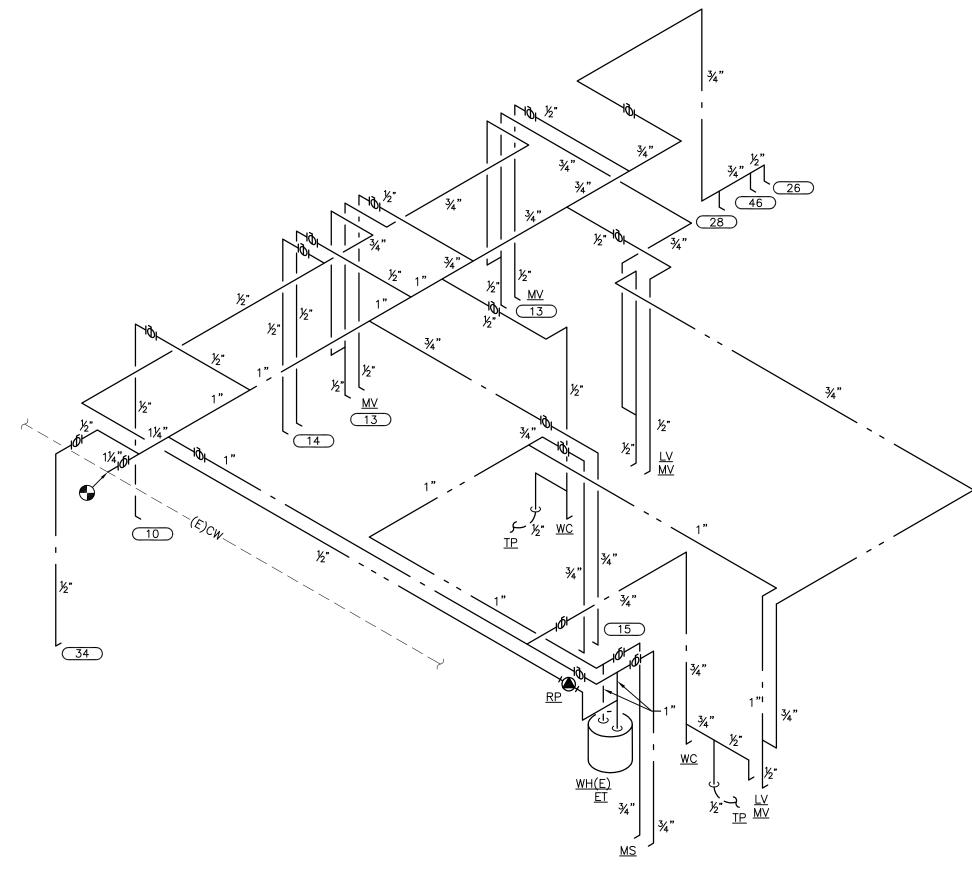
Scale As indicated

Drawn by WRD

P1.0

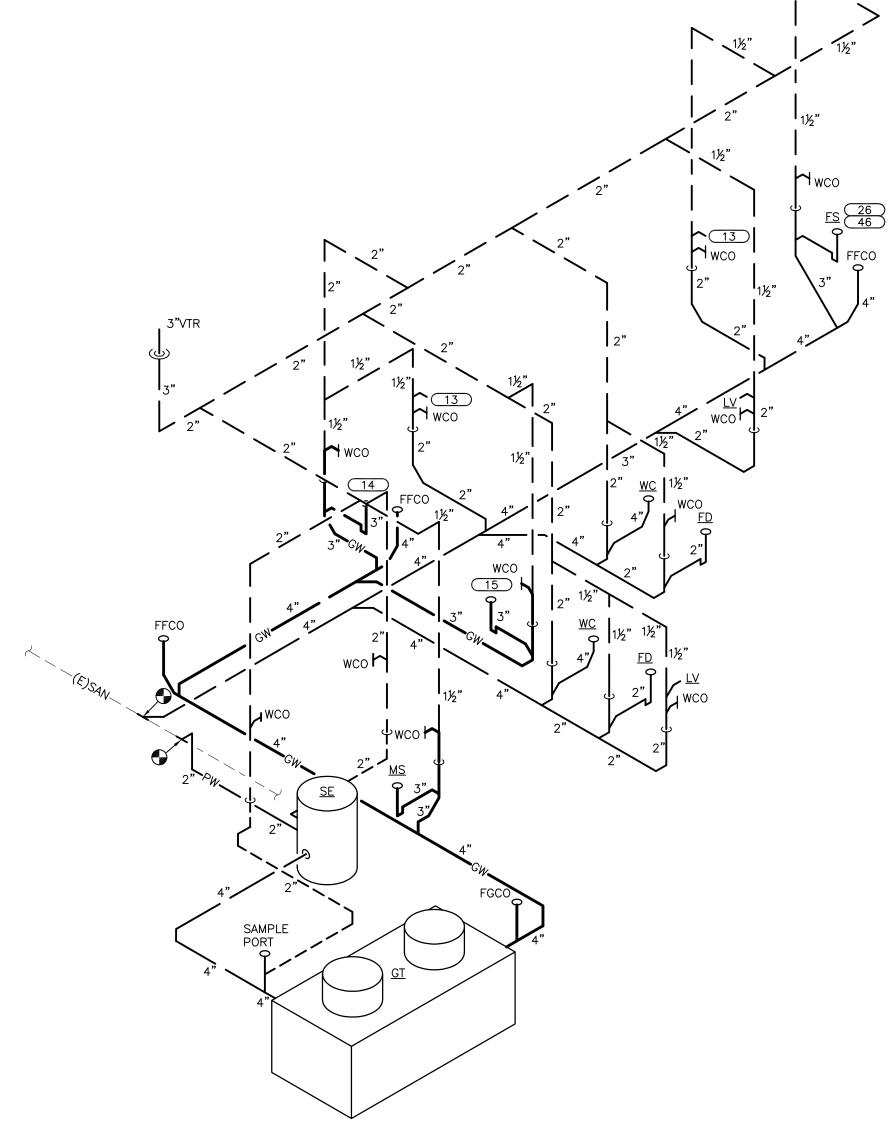


O3 PLUMBING RISER - GAS NOT TO SCALE



O2 PLUMBING RISER - WATER
NOT TO SCALE

O1 PLUMBING RISER - WASTE AND VENT
NOT TO SCALE



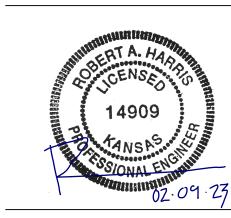








These drawings/specifications are the property of Oculus Inc. They are furnished as contract documents only. The seal(s) and signature(s) apply only to the document to which they are affixed, and expressly disclaim any responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty or certification relating to the performance of products and materials beyond those provided by their respective manufacturer.



FOR PERMIT

Client Approval

PLUMBING RISERS

43422-KS04 Project# 01/30/2023 Issue Date Scale As indicated Drawn by Checked by

P2.0

FACILITY. REFER TO LOCAL CODES FOR FURTHER INFORMATION.

ELECTRICAL OUTLET AND

RECEPTACLE PLUG AND

PIGGYBACK PLUG ----

BLANK FIBERGLASS COVER

FIBERGLASS BASIN WITH

OPENINGS FOR VENT AND

INLETS. SIZE PER PLANS-

WET WELL BOTTOM SET AT

ROCK BACKFILL AROUND SUMP.

PROVIDE SHUTOFF VALVE ----

MANUFACTURER'S INSTRUCTIONS IF FURNISHED WITH ICE MACHINE.

ENSURE FILTER IS ACCESSIBLE

INSTALL WATER FILTER PER

FOR MAINTENANCE. -

CUBER AND ICE

COLD WATER SUPPLY

TO WATER HEATER-

BUTYL DIAPHRAGM-

THEN OPEN VALVE-

AIR CHARGING VALVE FILL

BUILDING WATER SYSTEM.

IS LARGER THAN 1"

SLOPE PIPE AS

DISCHARGE -

POSSIBLE TOWARD

MAKE CONNECTION TO

EQUIPMENT AS REQUIRED -

PROVIDE CLEANOUTS IN TURNS/ENDS OF PIPE. USE DWV FITTINGS IF SIZE

MAKE PIPE MINIMUM ONE SIZE LARGER

TANK WITH AIR PRESSURE

TO MATCH WATER PRESSURE,

BIN DRAIN

OUTLETS —

FLOOR-

SUMP PUMP

NOT TO SCALE

78" BELOW GRADE. —

INLET INVERT

36" BELOW GRADE -

BOLTED DOWN WITH GASTIGHT

ELECTRICAL CONTRACTOR >

HIGH WATER ALARM

PANEL WITH LIGHT,

HORN AND RESET

BUTTON SILENCER

PLUMBING VENT

OUTLET -

GRADE.

GRAVEL BACKFILL -

EXCAVATION IS BY PLUMBING CONTRACTOR. PROVIDE SUMP OF DEPTH

ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. PIT

FLANGES OR UNIONS TO ALLOW FOR EASY PUMP REMOVAL. PROVIDE CRUSHED

- PROVIDE AIR GAP OF TWICE PIPE DIAMETER

PROVIDE FLOOR SINK AT FRONT EDGE OR SIDE EDGE OF ICE MACHINE, WHERE

PROVIDE COLD WATER ROUGH-IN AT TOP OF ICE MACHINE. ARRANGEMENT SHOWN IS

-PIPE HANGER NEXT

-PIPE UNION: DIELECTRIC

-WELDED STEEL EXPANSION

DISCHARGE INTO CENTER HOLE OF

GAP SUFFICIENT TO REMOVE GRATE

PIPE DIAMETERS

/ VERIFY WITH LOCAL CODES

AND STRAINER. MINIMUM GAP = TWO

GRATE OF WASTE RECEPTACLE WITH AIR

TANK WITH POLYPROPYLENE

IF DISSIMILAR METALS

TO PIPE TEE

SCHEMATIC. ADJUST AS REQUIRED TO SUIT CONDITIONS. VERIFY CONNECTIONS WITH

ICE MACHINE CONNECTIONS

PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. MAKE PIPE SAME SIZE AS TANK FITTING. FOLLOW MANUFACTURER'S INSTRUCTIONS

EXPANSION TANK INSTALLATION SHALL OCCUR ONLY WHEN THERE IS A BACKFLOW

FOR INSTALLATION PROCEDURE. VERIFY PROPER OPERATION WHEN INSTALLED.

PREVENTION DEVICE INSTALLED WITHIN THE TENANT SPACE WATER SYSTEM OR

SMALL EXPANSION TANK

THAN EQUIPMENT CONNECTION, MINIMUM / IF/WHEN TRAP AND/OR VENT

34". USE TYPE "M" HARD COPPER UP / ARE REQUIRED FOR THE LENGTH

ROUTE PIPE INCONSPICUOUSLY AND UNOBTRUSIVELY. HANG PIPE AS REQUIRED. DO

NOT INSULATE INDIRECT DRAIN PIPE WHEN INSTALLED EXPOSED IN FOOD SERVICE

TO 1" AND TYPE DWV FOR LARGER ——/ OF DRAIN PIPE INSTALLED ——

ACCESSIBLE FOR CLEANING, AND NOT LOCATED UNDER EQUIPMENT.

REQUIRED TO HAVE BOTTOM TWO FEET LOWER THAN LOWEST INLET. LOCATE

FLOATS AT ELEVATIONS RECOMMENDED BY PUMP MANUFACTURER. PROVIDE

TO NEAREST VENT

FLOOR SLAB,

HIGH WATER ALARM MERCURY

FLOAT AT 42" BELOW GRADE.

- DIFFERENTIAL MERCURY FLOAT

DIFFERENTIAL MERCURY FLOAT

OFF SWITCH @ 66" BELOW

PLUMBING CONTRACTOR)

- COLD WATER SUPPLY DOWN

--- ADAPTER AND SIX FOOT

IN PARTITION WHERE SHOWN

LONG, %"ø REINFORCED FOOD

GRADE PLASTIC TUBING TO

HOSE CLAMPS AS REQUIRED

CUBER WATER INLET. USE

INDIRECT DRAIN OPEN TO

ATMOSPHERE AT UPPER END

CHECK VALVE (BY

ON SWITCH @ 48" BELOW

JUNCTION BOX BY

MOUNTED ON WALL

GASKET

PIPE REDUCER FROM BRANCH

SIZE, AT UNIT CONNECTION

—BRANCH PIPE.

-BRANCH PIPE

GASFIRED

UNIT MOUNTED

ON ROOF

EQUIPMENT

6" LONG DIRT LEG FULL

SIZE OF BRANCH PIPE-

MAKE-UP AIR

PIPE SIZE TO UNIT CONNECTION

- GROUND JOINT PIPE UNION

SEE PLAN FOR SIZE

- GAS SHUT-OFF COCK

SEE PLAN FOR SIZE

BRANCH OFF TOP

>-DOUBLE

BLOCK

└─PIPE SUPPORT

SEE DETAIL -

MAKE-UP AIR UNIT CONNECTION

PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST AS REQUIRED

OF GAS PIPE MAIN —

3 COMPARTMENT SINK

TRAP PRIMER NOT TO SCALE

O4 ROOF PENETRATION NOT TO SCALE

FITTINGS AS SPECIFIED FOR PIPE SIZE. LOCATE PENETRATION MINIMUM 18" FROM

DETAILS 43422-KS04 01/30/2023

PLUMBING

As indicated

Drawn by Checked by

Issue Date Scale

Project#

Client Approval

FOR PERMIT

14909

those provided by their respective manufacturer.
© 2022 Oculus Inc. CLAMP FOR THE PVC SLEEVE

SCHEDULE 80, TWO PIPE SIZES LARGER THAN GAS PIPE SIZE

furnished as contract documents only. The seal(s) and signature(s) apply nly to the document to which they are affixed, and expressly disclaim a responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty or certification relating to the performance of products and materials beyond

These drawings/specifications are the property of Oculus Inc. They are

ATTACH RISER AND HEADER TO WALL WITH 1" CLEARANCE BEHIND PIPE. MAKE FINAL CONNECTION TO EQUIPMENT AS RECOMMENDED BY MANUFACTURER. O2 COOKING APPLIANCE GAS PIPE
NOT TO SCALE

-6" LG. U.V. RATED

PVC PIPE SLEEVE,

-20 GA. GALVANIZED STRUT

MIRO 24 STRUT

APPROVED EQUAL

COMPENSATE FOR

PIPE EXPANSION

---PIPE SUPPORT. REFER

TO DETAIL.

SUPPORT OR

ACTOR ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT ACTUAL CONDITIONS.

1. SUPPORT REQUIRED 10'-0" O.C. AND AT ALL CHANGES IN DIRECTION.

ROOF GAS PIPE SUPPORT
NOT TO SCALE

2. INCREASE IN HEIGHT AS REQUIRED FOR ROUTING ABOVE ROOF MOUNTED

PIPE WITH STAINLESS STEEL SCREW CLAMPS

ROOFING OVER

BY ROOFING

CONTRACTOR

METAL FLASHING /

ROOF INSULATION

ROOF DECK

REFER TO PLANS FOR PIPE SIZE(S) AND LOCATION(S). USE WELDED OR SCREWED

ACCESSORIES SUCH AS EXPANSION JOINTS AND TO ACCOMMODATE SLOPE.

STEPPED FLEXIBLE PVC BOOT CLAMPED TO FLASHING BASE AND

-GROUND-JOINT PIPE UNION

ANCHOR PIPE TO ROOF DECK OR JOISTS

<u>LROOF</u>	
	<
IN CEILING SPACÉ	DO NOT INSTALL VALVES IN CEILING SPACE
CEILING	<u></u>
EXHAUST HOOD	TYPICAL PIPE SUPPORT ANCHORED TO WALL.
	MANUAL GAS VALVE
GAS PIPE HEADER ALONG WALL BEHIND COOKING EQUIPMENT, APPROXIMATELY 12" ABOVE FLOOR, WITH SCREWED FITTINGS, SIZE AS SHOWN ON PLANS. PROVIDE QUANTITY AND SIZE OF CONNECTIONS AS REQUIRED FOR EQUIPMENT BEING SERVED MANUAL GAS VALVE (TYP)	GAS SHUT-OFF VALVE, PROVIDED BY HOOD VENDOR, INSTALLED BY PC INTERCONNECT TO HOOD FIRE SUPPRESSIG SYSTEM BY FPC FLEXIBLE APPLIANCE CONNECTOR FURNISHED BY FSEC AND INSTALLE BY PLUMBING CONTRAC TYPICAL 6" DIRT LEG TO 6" ABOVE FLOOR
	WELDED FITTINGS/PIPE IN CEILING SPACE CEILING EXHAUST HOOD GAS PIPE HEADER ALONG WALL BEHIND COOKING EQUIPMENT, APPROXIMATELY 12" ABOVE FLOOR, WITH SCREWED FITTINGS, SIZE AS SHOWN ON PLANS. PROVIDE QUANTITY AND SIZE OF CONNECTIONS AS REQUIRED FOR EQUIPMENT BEING SERVED MANUAL GAS VALVE (TYP)

WATER HAMMER ARRESTERS

ARRESTER BY ONE (EXAMPLE: AN 'A' ARRESTER WOULD BECOME A 'B' ARRESTER.)

PC TO PROVIDE WATER HAMMER ARRESTERS BY SIOUX CHIEF, PRECISION PLUMBING PRODUCTS, WATTS OR APPROVED EQUIVALENT WITH PISTON AND O-RING CONSTRUCTION, HAVING PDI #WH-201, ASSE #1010 OR ANSI #A112.26.1M CERTIFICATION. SIZE AND INSTALL PER PDI #WH-201 STANDARD OR MANUFACTURER'S INSTRUCTION. THE TABLES ABOVE ARE BASED ON THE SIOUX CHIEF PRODUCT LINE. IF PRESSURE IS IN EXCESS OF 65 PSIG THEN UPSIZE THE

LAVATORY

MOP BASIN

ON HORIZONTAL BRANCH LINE LESS

6'-0" OF THE LAST FIXTURE SERVED-

ON BRANCH LINE GREATER THAN 20'-0"

THE MIDDLE, EACH IS SIZED FOR HALF

MULTIPLE FIXTURES

FIXTURE UNIT TABULATION

COLD HOT

1.5

3 3

2

10

LONG, PLACE ANOTHER ARRESTER IN

THE FIXTURE UNITS———

VALVE WATER CLOSET

TANK WATER CLOSET

WATER SUPPLY THAN 20'-0" LONG, PLACE ONE WITHIN

DRINKING FOUNTAIN

155-330 SHOWER/BATHTUB

-HOT OR COLD

- ARRESTER

SERVED

SINGLE FIXTURE

PDI FIXTURE

SIZE | UNIT LOAD

1-3

4-11

12-32

33-60

D 61-113

E 114-154

WITHIN 6'-0"

OF FIXTURE

PROVIDE UPPER ATTACHMENT AS REQUIRED FOR CASES NOT SHOWN HERE. DO NOT INSTALL HANGER INSIDE INSULATION OR OTHERWISE PENETRATE VAPOR BARRIER. DO NOT HANG ONE PIPE FROM ANOTHER EXCEPT IN CHASES. TRAPEZE HANGERS MAY BE USED FOR MULTIPLE PARALLEL PIPES. HANGER SPACING FOR PIPE SIZE: COPPER: 4"=12'-0"; 3"=11'-0"; $2\frac{1}{2}"=10'-0"$; 2"=9'-0"; $1\frac{1}{2}"=8'-0"$; $1\frac{1}{4}"=7'-0"$; 1" & 34"=6-0"; 12"=5'-0". CAST IRON: 10'-0" AND ONE NEAR ALL JOINTS. STEEL 4"=14'-0"; 3"=12'-0"; $2\frac{1}{2}"=11'-0"$; 2"=10'-0"; $1\frac{1}{2}"=9'-0"$; 1"=7'-0"; $\frac{3}{4}"=6'-0"$; 1/2"=5'-0". LOCATE HANGERS AS CLOSE AS POSSIBLE TO TURNS AND TEES OF PIPE. PROVIDE SUPPLEMENTARY STEEL STRUTS BETWEEN JOISTS IF REQUIRED. LOCATE HANGERS TO TAKE LOAD OFF OF EQUIPMENT CONNECTIONS. ANCHOR WATER PIPE AGAINST SWAYING DUE TO CHANGES IN WATER VELOCITY. PROVIDE SEISMIC BRACING IF/AS REQUIRED BY LOCAL AUTHORITIES. CHAINS OR PERFORATED STRAP IRON OR STEEL IS NOT ACCEPTABLE. REFER TO CODES AND SPECIFICATIONS FOR FURTHER

- ALL—THREAD ROD.

LENGTH AS REQUIRED

FOR PIPE SLOPE-

- PROVIDE COPPER

OR NON-METALLIC

COATING WHERE

HANGERS CONTACT

BARE COPPER PIPE

PROVIDE GALVANIZED STEEL SADDLE FOR ALL

INSULATION THICKNESS WHEN SIZING HANGERS

INSULATED PIPE LARGER THAN ¾". VERIFY

-DRILLED-IN

INSERTS

- CLEVIS HANGER FOR

PIPE OVER FOUR INCH

THREADED INSERT IF

EXISTING PAN FLOOR

OR CAST IN PLACE

IF NOT EXISTING DO

NOT USE SHOT-IN

WHERE REQUIRED TO MAKE
MINIMUM 3" VENT THRU ROOF >— HUBLESS PIPE CONNECTORS ON CAST IRON PIPE

-PROVIDE ONE PIECE SPUN ALUMINUM

BASE WITH, GRADUATED STEPPED PVC

CLAMPS. SET BASE IN BED OF MASTIC

ROOF DECK

BOOT, AND ADJUSTABLE STAINLESS STEEL

∠ MINIMUM 12" ABOVE ROOF

-ANCHOR PIPE TO ROOF DECK OR

JOISTS WITH U-BOLT AROUND

PIPE AND ANGLE IRON WELDED

OR SCREWED TO DECK OR JOIST

REFER TO PLANS FOR VTR PIPE SIZES AND LOCATIONS. LOCATE VTR A MINIMUM OF 20 FEET HORIZONTAL (UNLESS APPROVED BY ENGINEER PRIOR TO INSTALLATION) OR THREE FEET VERTICAL ABOVE ANY BUILDING OPENING OR FRESH AIR INTAKE, AND ONE FOOT FROM ANY VERTICAL SURFACE. PROVIDE 1" FIBERGLASS INSULATION WITH ALL-SERVICE JACKET ON VENT PIPE INSIDE BUILDING WITHIN SIX FEET OF VENT THRU ROOF LOCATION. VERIFY FLASHING AND COUNTERFLASHING WITH ROOFING CONTRACTOR.

REFER TO ARCHITECT'S

OF VENT PIPE BOOT

INSTALLATION WITH

ROOFING MATERIAL -

PROVIDE SLEEVE IF

REQUIRED BY TYPE

OF ROOF DECK-

DRAWING FOR APPLICATION

ROOF INSULATION

MINIMUM 12" BELOW ROOF-

PROVIDE PIPE INCREASER

WHERE REQUIRED TO MAKE

HOT WATER TO FIXTURES —COLD WATER SUPP AS SHOWN ON PLANS — TO WATER HEATER

DECK-

TOP BEAM

BAR JOIST -

ADJUSTABLE

BAND HANGER

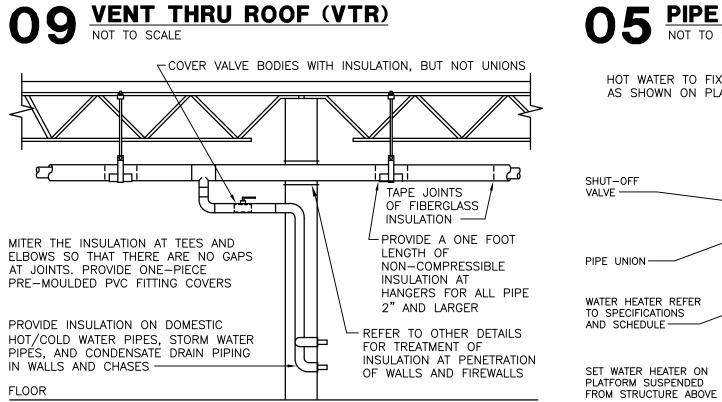
FOR PIPE 4"__ OR LESS-

DO NOT HANG PIPE

BOTTOM OF JOISTS

LARGER THAN 3" FROM

C-CLAMP



SPECIFICATIONS FOR FURTHER INFORMATION REGARDING INSULATION. INSTALL ALL

GAS FIRED

ROOFTOP

UNIT

COPPER TUBE INSIDE

CURB AND BUILDING

PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST AS REQUIRED TO SUIT

ROOFTOP UNIT CONNECTIONS

-DIELECTRIC

THREE COMPARTMENT SINK

UNION

PIPE INSULATION

NOT TO SCALE

TRAP 2" DEEPER THAN UNIT STATIC

PRESSURE. DO NOT PROVIDE A

TRAP ON UNITS WHICH HAVE AN

INTERNAL TRAP —

TEE OPEN TO

ATMOSPHERE —

GALVANIZED

STEEL PIPE

ON ROOF-

AND FITTINGS

UNION-

ACTUAL CONDITIONS

ENDS OF PIPE

MAINTAIN AIR GAP

TWICE PIPE DIAMETER -

CONNECTORS FOR SINK CONNECTIONS.

FLOOR

PROVIDE FIBERGLASS INSULATION WITH ALL-SERVICE JACKET WITH VAPOR BARRIER ON ALL COLD/HOT WATER PIPING AND CONDENSATE DRAIN PIPE. REFER TO TEMS PER SPECIFICATIONS AND MANUFACTURERS INSTRUCTIONS. MAINTAIN VAPOR BARRIER ON COLD PIPING BY MEANS OF SEALANT AND TAPE. FLAME-SPREAD AND SMOKE-DEVELOPED INDEXES SHALL NOT EXCEED 25/50. SEAL EXPOSED ENDS OF

TIBERGLASS INSULATION WITH ADHESIVE MASTIC.

GALVANIZED 6" DEEP WATERTIGHT SHEET METAL PAN UNDER HEATER-PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. REFER

> - PIPE REDUCER FROM BRANCH PIPE SIZE TO UNIT CONNECTION

SIZE, AT UNIT CONNECTION

GROUND JOINT PIPE UNION

SEE PLAN FOR SIZE

SEE PLAN FOR SIZE

BRANCH OFF TOP

>-DOUBLE <u>8</u>

BLOCK [

PIPE SUPPORT

SEE DETAIL —

-6" LONG DIRT LEG FULL

SIZE OF BRANCH PIPE

OF GAS PIPE MAIN —

GAS SHUT-OFF COCK

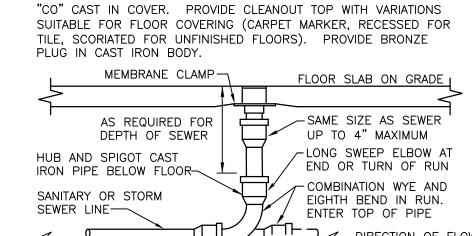
-BRANCH PIPE.

-BRANCH PIPE.

TO FLOOR PLAN FOR PIPE SIZES. SET WATER HEATER THERMOSTAT AT 120' FAHRENHEIT. PROVIDE SEISMIC STRAP OR BRACING AND FLEXIBLE CONNECTORS TO WATER AND GAS ONNECTIONS IF/AS REQUIRED BY LOCAL AUTHORITIES

06 SUSPENDED WATER HEATER
NOT TO SCALE

PROVIDE ROUND SECURED NICKEL BRONZE ADJUSTABLE TOP WITH "CO" CAST IN COVER. PROVIDE CLEANOUT TOP WITH VARIATIONS



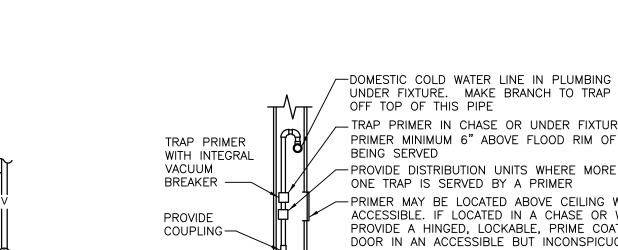
☐☐☐☐ ← DIRECTION OF FLOW LOCATE AT BUILDING EXIT, AT ENDS OF RUNS, AT TURNS OF PIPE GREATER THAN 45 DEGREES, AT 50' INTERVALS ON STRAIGHT RUNS

AND WHERE SHOWN ON PLANS. PROVIDE BACKFILL PER ARCHITECTURAL

O7 FLOOR CLEANOUT NOT TO SCALE

AROUND. CONSULT LOCAL CODES FOR OTHER FCO REQUIREMENTS

SPECIFICATIONS. LOCATE CLEANOUTS WHERE THERE IS 18" CLEAR



-DOMESTIC COLD WATER LINE IN PLUMBING CHASE OR UNDER FIXTURE. MAKE BRANCH TO TRAP PRIMER TRAP PRIMER IN CHASE OR UNDER FIXTURE. INSTALL PRIMER MINIMUM 6" ABOVE FLOOD RIM OF FIXTURE -PROVIDE DISTRIBUTION UNITS WHERE MORE THAN PRIMER MAY BE LOCATED ABOVE CEILING WHERE ACCESSIBLE. IF LOCATED IN A CHASE OR WALL, PROVIDE A HINGED, LOCKABLE, PRIME COATED ACCESS DOOR IN AN ACCESSIBLE BUT INCONSPICUOUS PLACE ---- TYPE "K" SOFT COPPER TUBE BELOW FLOOR SLAB WITHOUT JOINTS. FLOOR DRAIN OR FLOOR SLOPE TOWARD FLOOR DRAIN TRAP. SINK P-TRAP WITH TRAP PROVIDE ELASTOMERIC INSULATION PRIMER CONNECTION FROM TRAP TO ABOVE FLOOR SLAB-

TRAP PRIMER MAY BE LOCATED ABOVE CEILING WHERE ACCESSIBLE.

ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS AND TO MEET APPLICABLE CODE REQUIREMENTS. UTILIZE HUBLESS CAST IRON PIPE, FITTINGS AND

1-1/2" V IN

CLEANOUT -

WALĹ

PROVIDE SPUN

ALUMINUM BASE

BED OF MASTIC.

ROOFER ---

SLEEVE ROOF

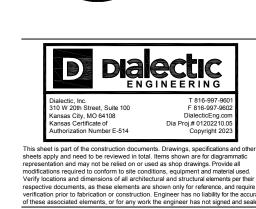
COORDINATE WITH

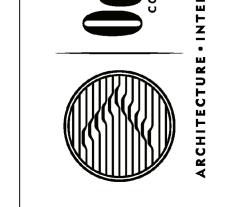
WALKWAY TREAD

MATERIAL

ROOFING —

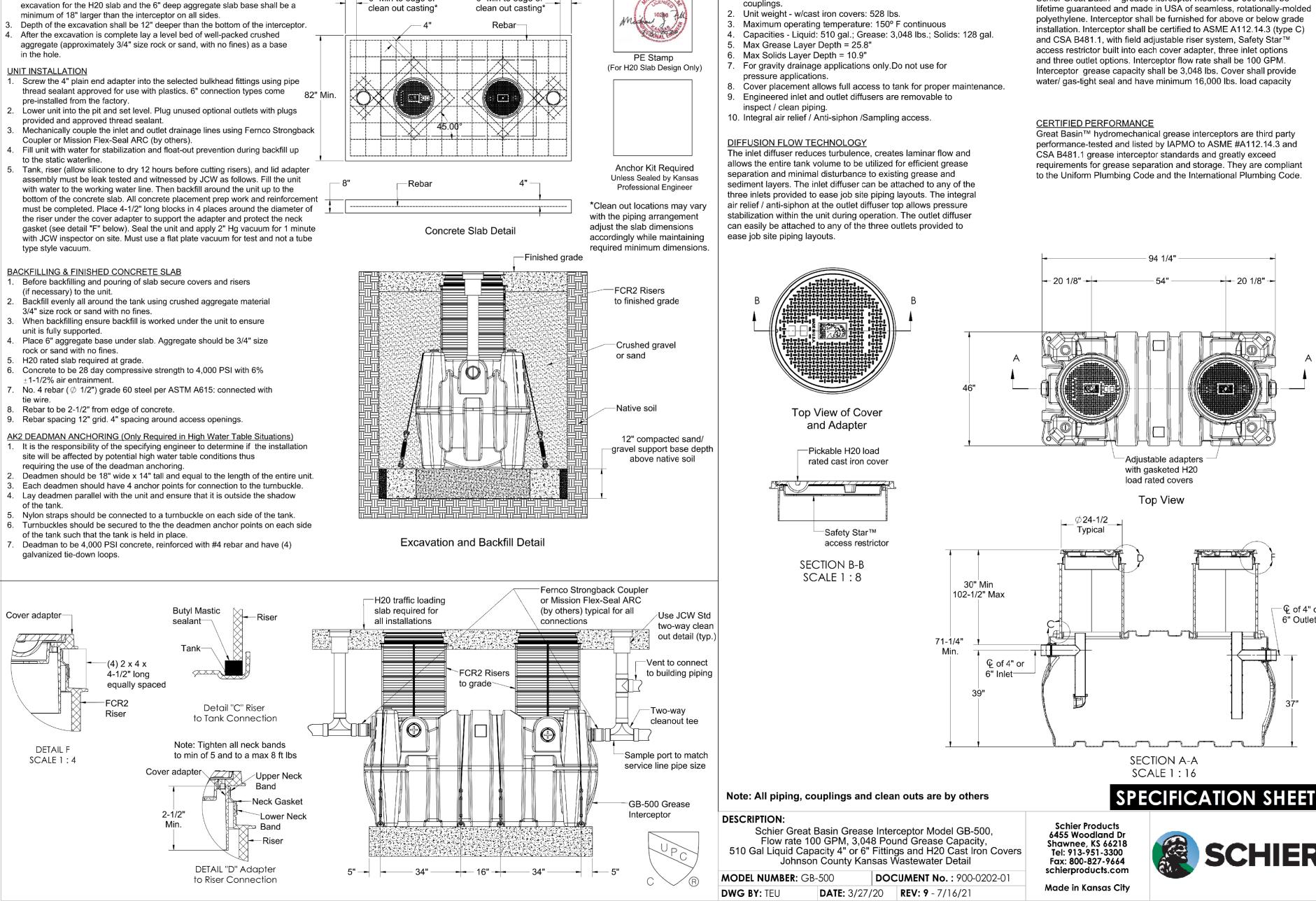
<u>NOTES</u>











- 130" Min. -

6" Min to edge of

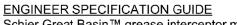
6" Min to edge of

EXCAVATION

tie wire.

Surrounding soil must be undisturbed soil or well compacted engineering fill.

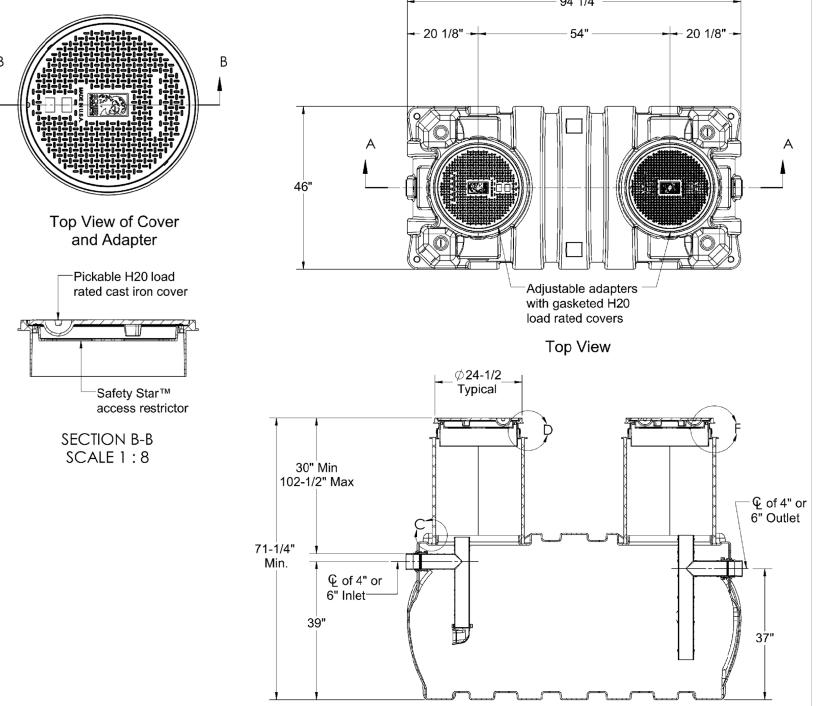
2. Excavate a hole that is at least 12" larger than the interceptor on all sides. The



1. 4" plain end adapter fittings for use with Strongback

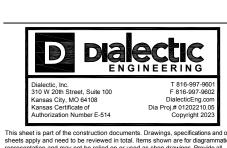
Schier Great Basin™ grease interceptor model #GB-500 shall be lifetime guaranteed and made in USA of seamless, rotationally-molded polyethylene. Interceptor shall be furnished for above or below grade installation. Interceptor shall be certified to ASME A112.14.3 (type C) and CSA B481.1, with field adjustable riser system, Safety Star™ access restrictor built into each cover adapter, three inlet options and three outlet options. Interceptor flow rate shall be 100 GPM. Interceptor grease capacity shall be 3,048 lbs. Cover shall provide water/ gas-tight seal and have minimum 16,000 lbs. load capacity

Great Basin™ hydromechanical grease interceptors are third party performance-tested and listed by IAPMO to ASME #A112.14.3 and CSA B481.1 grease interceptor standards and greatly exceed requirements for grease separation and storage. They are compliant to the Uniform Plumbing Code and the International Plumbing Code.





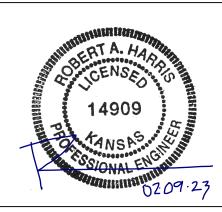




respective documents, as these elements are shown only for reference, and require verification prior to fabrication or construction. Engineer has no liability for the accurac of these associated elements, or for any work the engineer has not signed and sealed



These drawings/specifications are the property of Oculus Inc. They are furnished as contract documents only. The seal(s) and signature(s) apply only to the document to which they are affixed, and expressly disclaim any responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty or certification relating to the performance of products and materials beyond those provided by their respective manufacturer.



FOR PERMIT

Client Approval

Project#

PLUMBING DETAILS

43422-KS04

01/30/2023 Issue Date Scale As indicated Drawn by Checked by

	SUBS
AIRIE	108

These drawings/specifications are the property of Oculus Inc. They are furnished as contract documents only. The seal(s) and signature(s) apply only to the document to which they are affixed, and expressly disclaim any responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project. Additionally these drawings and seal(s) shall in no way convey or imply any type of warranty or certification relating to the performance of products and materials beyond those provided by their respective manufacturer.

DESIGN INTENT REFERENCE ONLY

ISSUE FOR PERMIT

Client Approval

REFERENCE FURNITURE PLAN

43422-KS04 Project#

01/16/2023 Scale 1/4" = 1'-0"

Drawn by Checked by

PE							
IARK QTY	DESCRIPTION	MANUFACTURER	MODEL	SUPPLIER	POWER REQUIRED	PLUMBING REQUIRED	MISC. NOTES
	MEAT CASE	HOWARD-MCCRAY	SC-CDS34N-4-JM	ECO	6AMP 115/V/60/1	O.D. I ALIDENOE 202 502 4004 V 7742 BIOABBO BASI II TO	O D LAUDENCE 202 500 4004 V 7740 DICARDO BACUL TO
	EEZEGUARD	C.R. LAURENCE	NO440 EEN	GC	7. F. AMD 445 VICOVA	C.R. LAURENCE 323-588-1281 X 7710 RICARDO BASULTO	C.R. LAURENCE 323-588-1281 X 7710 RICARDO BASULTO
	PROP IN COLD UNIT	DELFIELD	N8148-EFN	ECO	7.5 AMP 115V/60/1		NO DRAIN REQUIRED. OUTLET INSTALLED AT 18" AFF
	OROP IN COLD UNIT	DELFIELD	N8118-EF	ECO	7.5 AMP 115V/60/1		NO DRAIN REQUIRED. OUTLET INSTALLED AT 18" AFF
	CER	BIZERBA	GSP-H33 W/LIFT	ECO COADUICO CO	120V/60/1		<pre><varies></varies></pre>
	NU BOARD IP DISPLAY UNIT	JMFS PEPSI	JMFS	GRAPHICS CO.			ORDERED WITH GRAPHICS PACKAGE
	SH REGISTER	INFOSOFT	UP700	FRANCHISEE			REG. W/ COMM. MODEM, CASH DRAWER, RECEIPT & JOURNAL (2 SETS KEYS). OUTLET INSTALLED AT 18"
	SO REGISTER RCHMENT HOLDER	INFOSOFI	UP700	FRANCHISEE			REG. W/ COMM. MODEM, CASH DRAWER, RECEIPT & JOURNAL (2 SETS RETS). OUTLET INSTALLED AT 16
	EAD OVEN	NUVU	QB 5/ 10 AUTOMIST	ECO	29AMP 208V/1 or 3ph OR 29AMP/1 or 3ph	1/4" SUPPLY LINE	AUTO MISTER NOT OPTIONAL. OUTLET INSTALLED AT 78" AFF
	EAD RACK	CABRO	UPR1826FHP	FIVE KIDS GROUP,	Z9AIVIF 200 V/1 OI 3pit OIX 29AIVIF/1 OI 3pit	1/4 SOFFET EINE	AOTO MISTER NOT OF HONAL. OUTEET INSTALLED AT 70 ALT
4 DRI		UNDINU	OF KTOZOFTIF	INC.			
1 3 C	OMPARTMENT SINK	ADVANCE TABCO/CHG	FC-3JM-DB	ECO		CHG KL53-1000-AF4 PRE-RINCE SPRAYER/ ADD-A-FAUCET, KL54-8012 AUCET AND D50-7100 LEVER WASTES - QTY 3	
1 PRI	EP SINK	ADVANCE TABCO/CHG	FC-1JM-D_	ECO		CHG KL54-8002 FAUCET	ONE COMPARTMENT SINK W/ DRAINBOARD ON EITHER THE LEFT OR RIGHT SIDE
	RE SHELVING	METRO	_	ECO			
	LL MOUNT WIRE SHELVING	METRO	24"X36"	ECO			
	RE SHELVING	METRO	18"X42"	ECO			
	RE SHELVING	METRO	18"X48"	ECO			
1 1 D	OOR PEPSI COOLER	PEPSI	GDM-26	PEPSI			OUTLET INSTALLED AT 18" AFF
1 WA	LK-IN COOLER	NORLAKE	JM7SJ-36-CP	ECO	115V FOR LIGHTS AND DOOR HEATER, 15 AMP BREAKER		FLOORLESS, SELF-CONTAINED CAPSULE PAK SYSTEM. FIELD COORDINATE POWER REQUIREMENT
A 1 CAI	PSUL PACK	NORLAKE	RCPB075JC-S-4-EV	ECO	208-230/ 60/ 1 .8 TOTAL SYSTEM AMPS, 9.3 MINIMUM CIRCUIT AMPS, 20A MAX FUSE SIZE		
1 STE	EP IN FREEZER	NORLAKE	JMF777J-36-CP	ECO	115V FOR LIGHTS AND DOOR HEATER, 15 AMP BREAKER		
A 1 CAI	PSUL PACK	NORLAKE	RCPF-100JC-S-4-EV	ECO	208-230/60/1, 14.9 DEFROST AMPS, 8.4 TOTAL SYSTEM AMPS, 14.9 MINIMUM CIRCUIT AMPS, 15 MAX FUSE SIZE	-	
1 MO	P SINK		2' X 2'	GC		1/2" SUPPLY, 1 1/2" DRAIN, VENT	
A 2 SAN	NDWICH UNIT	DELFIELD	D4427-12M-JM3	ECO	115V/60/1		
1 GR	ILLE	IMPERIAL	IR-G48T-XB-JMI	ECO		CONFIRM NATURAL OR LP GAS	
1 EXI	HAUST HOOD SYSTEM & FIRE SYSTEM	CAPTIVE AIRE	ANSUL	ECO	(4) 115V	FIRE SYSTEM ANSUL	
	NDENSATE HOOD	CAPTIVE AIRE	5424VHB	ECO	(1) 115V		
1 POI	RTABLE FIRE EXTINGUISHERS			GC			
1 DR	INK DISPENSER & ADAPTER KIT	PEPSI	DISPENSER: IDC255, ADAPTOR: 80002957	PEPSI	9.3AMP 115V/60/1	1/2" SUPPLY, CONDENSATION DRAIN	COORDINATE W/ PEPSI. OUTLET INSTALLD AT 42" AFF
	D TEA BREWER/DISPENSER	BUNN	TB3Q	LUZIANNE	120V, 14.4 AMP		1-800-627-2094. OUTLET INSTALLED AT 42" AFF
) 1 SS.	PREP TABLE OR MILLWORK	UNIVERSAL OR GC	KMG-24JM	ECO OR GC			
	UNTER TOP FOOD WARMER	VOLLRATH	71001 MODEL 1001				NO DRAIN. 14/3 CORD WITH NEMA 5-15 PLUG. OUTLET INSTALLED AT 18" AFF.
	CESSED BACON WARMER	WELLS	HSW6	ECO	120V, 6.9 AMP		NO DRAIN. HARDWAIRED INSTALLED AT 18" AFF
	G IN BOX SYSTEM	PEPSI	PEPSI	PEPSI	110/120V - 20AMP DUAL OUTLET	1/2" SUPPLY	
5A 1 SLI	M JIM REFUSE CONTAINER	RUBBERMAID	11"x20"	FIVE KIDS GROUP, INC.			
1 ICE	MAKER	HOSHIZAKI	KM-520MAJ	ECO	115V/60 20AMP BREAKER	PROVIDE DRAIN	
	K UP TOWER	METRO	24"X36"				
	OF OUELVINO	METDO		EN /E I/IDO ODOLID			

FURNITURE FURNISHED AND INSTALLED BY THE GC. FURNITURE SCHEDULE XX

Type Mark	Description	Manufacturer	Model	SUPPLIER	Comments
36	TABLE TOP AND BASE	ATS	24"x20"	FURNITURE CO.	
37	TABLE TOP AND BASE	ATS	24"x45"	FURNITURE CO.	ADA COMPLIANT TABLETOP
40	BAR HEIGHT TABLE TOP AND BASE	ATS	24"x20"	FURNITURE CO.	
42	BAR STOOL	ATS		FURNITURE CO.	

METRO

FRANKLIN SHEET METAL ZE

JUICE SHELVING

TROUGH

FIVE KIDS GROUP,

BARSTOOL CHAIRS - LOW

ATS

FURNITURE CO. FURNITURE CO.