REGULATORY AGENCIES				SHEET INDEX	△ SHEET NO. SHEET NAME		
Planning/Zoning: City of Orlando Planning Division 400 South Orange Avenue, 6th Floor Orlando, FL 32801 407-246-2269 Fire Department City of Orlando Fire Department 78 W. Central Blvd. Orlando, FL 32801					G000 Project Data G001 Accessibility Requirements G010 Specifications G011 Specifications G012 Specifications G013 Specifications D100 Demolition Floor Plan		DUNGA DESIGI GROU
Building Department City of Orlando Building & Development 400 South Orange Avenue Orlando, FL 32801 407-246-2121		shakeBAR			D101 Demolition Ceiling Plan A110 Architectural Floor Plan A120 Finish Plan A130 Fixtures, Furniture & Equipment Plan A131 Fixtures, Furniture & Equipment Schedule		
Orlando, FL 328Ŏ1 407-246-2121		JoJo's Shake BAR			A201 Reflected Ceiling Plan A301 Exterior Elevations A501 Wall Types A502 Interior Sections A503 Enlarged Bar Plan & Sections		8826 Santa Fe Drive, Suite Overland Park, KS 6621 913-341-2466
Health Department Florida Department of Health in Orange County 6101 Lake Ellenor Drive Orlando, FL 32809 407-858-1400		9101 International Drive Suite 1208 Orlando, FL 32819			A504 Enlarged Bar Sections & Details A601 Door & Hardware Schedule A701 Interior Elevations MPE101 Symbols Legend M101 HVAC Plan		Client:
ABBREVIATIONS		CODE AUTHORITIES			P101 Plumbing Plan P201 Plumbing Details & Schedules FP101 Fire Protection Plan		JoJo's Orlando LLO
© AT © CENTER LINE Ø DIAMETER OR ROUND (N) NEW (E) EXISTING (TO REMAIN) (D) DEMOLISH OR REMOVE MIN	GAUGE HEATING AND VENTILATING INTERIOR MECHANICAL MAXIMUM MEDIUM DENSITY FIBER BOARD MINIMUM	BUILDING CODES: 7TH EDITION 2020 FBC (FLORIDA BUILDING CODE) FIRE CODE: 2020 MECHANICAL CODE: 2020 FMC (FLORIDA MECHANICAL CODE) ACCESSIBILITY: 2020 PLUMBING CODE: 2020 FPC (FLORIDA PLUMBING CODE) ENERGY CODE: 2020	FFPC (FLORIDA FIRE PREVENTION CODE) FBC (FLORIDA BUILDING CODE) FECC (FLORIDA ENERGY CONFIRMATION CODE) FBC-FC (FLORIDA BUILDING CODE-FUEL CODE)		E101 Power Plan E201 Lighting Plan E3.1 Electrical Details		9101 International Drive Suite 1208 Orlando, FL 32819
AFF ABOVE FINISH FLOOR M.O. ALUM ALUMINUM NO. ABV ABOVE N.T.S. ARCH ARCHITECT(URAL) OSB	MISCELLANEOUS MANUFACTURER MASONRY OPENING NUMBER NOT TO SCALE ORIENTED STRAND BOARD	CODE COMPLIANCE DATA					Project:
BD BOARD O.T.S. BLDG BUILDING OC B.O. BOTTOM OF OFRD CMU CONCRETE MASONRY UNIT COSC CONSTRUCTION PVC CONC CONCRETE CPT CARPET	OPEN TO STRUCTURE ON CENTER OVERFLOW ROOF DRAIN PLYWOOD POLYVINYL CHLORIDE POINT OF SALE	1. Occupancy Group (Chapter 3) Lot Zoning (Existing): Building Overall (Existing): Tenant Space Occupancy:	C2 A2 A2				JoJo's Shake BA
C.T. CERAMIC TILE DIM DIMENSION(S) EQ EQUAL ELEC ELECTRIC(AL) ELEV ELEVATION RD	PREPARATION QUARRY TILE REFERENCE OR REFER TO RADIUS ROUGH OPENING ROOF DRAIN	 Occupancy Separation (Entire building calculated as non-separated uses, Section 508.3.2) Tenant Demising Walls Separating A-2 from B: Type of Construction (Existing): Allowable Area & Height: 	None Required Type II-B (Fully-Sprinkled)				9101 International Di
EA EACH SIM EL ELEVATION (VERTICAL HEIGHT) SYS FRP FIBERGLASS REINFORCED PANEL T.O. FD FLOOR DRAIN T.O.C. F.O. FACE OF TYP	SIMILAR SYSTEM(S) TOP OF TOP OF CURB TYPICAL	Allowable Area — Group A—2, Type II—B, Sprinklered (Table 506.2) Tabular Building Height (Table 504.3): Height Modifications:	38,000 SF 3 Stories, 75 Feet N/A				Suite 1208 Orlando, FL 32819
GYP GYPSUM W/ GC GENERAL CONTRACTOR GALV GALVANIZED	UNLESS NOTED OTHERWISE WITH	5. Actual Area & Height (Existing) Area JoJo's Shake BAR — Group A: Building Height (Existing):	4,239 SF 1 Story, 28'-8"	PROJECT CONTACTS			Copyright 2022 This drawing is an instrument of service, an remains the property of Dungan Design Gr Permission for use of this document is limite be extended only by written agreement Dungan Design Group, LLC.
DEFERRED SUBMITTALS 1. Modifications to Existing Automatic Sprinkler System	SCOPE OF WORK Tenant Improvement work for a restaurant with a walk-up window,	6. Occupant Load, JoJo's Tenant Space (Table 1004.1.1) Dining area: Kitchen-commercial: Admin: Total interior occupant load:	1900 / 15 = 126 1549 SF / 200 = 8 26 SF / 100 = 1 135	Landlord: Brixmor Property Group 450 Lexington Avenue, Floor 13 New York, NY 10017	Orlando, FL 32819 Bolingbro	Supply Co. North Frontage Rd. rook, IL 60440	Permission for use of this document is limite be extended only by written agreemen Dungan Design Group, LLC.
2. Hood Supression System 3. Signage: "ANY AND ALL SIGNAGE DEPICTED WITHIN THESE DRAWINGS IS SCHEMATIC IN NATURE. ANY APPROVAL RECEIVED FOR PERMIT (# TBD)	including a dining room, commercial kitchen, restrooms, HVAC, lighting, and an outdoor dining patio area. Building footprint to remain the same, no change of use or occupancy.	Patio: Total occupant load (including patio): 7. Number of exits required (Section 1006.2.1):	1245 SF = 83 221 2 Required (4 Provided)	Contact: Leigh Paull leigh.paull@brixmor.com 407-903-2906 Architect:	nick@jojosshakebar.com gary@ze 312-545-7833 630-78. MEP Engineer:	: Gary Thiakos epole.com 3-1239	
DOES NOT CONSTITUTE APPROVAL FOR THE CONSTRUCTION OF ANY SIGN/SIGN STRUCTURE COVERED WITHIN ORANGE COUNTY CODE SECTION 31.5.A SIGNAGE MUST COMPLY WITH ORANGE COUNTY CODE, CHAPTER 31.5 OR ANY APPLICABLE APPROVED SIGN PLAN. ALL PROPOSED SIGNAGE, INCLUDING SIGNAGE STRUCTURES, ARE REQUIRED TO SUBMIT A SEPARATE APPLICATION AND SHALL BE SUBMITTED THROUGH THE BUILDING PERMIT RESIDENTIAL PROCESS FOR REVIEW BY ZONING, BUILDING AND DEVELOPMENT ENGINEERING."		8. Required Plumbing Fixtures (2020 FPC Table 403.1). Assume 50% male and 50% female (Existing Water closets (Male 1:1-75): Water closets (Female 1:1-75): Lavatories (Male 1:1-200): Lavatories (Female 1:1-200): Urinals:	g To Remain) 2 Required (1 Provided) 2 Required (2 Provided) 1 Required (1 Provided) 1 Required (1 Provided) 0 Required (1 Provided)	Dungan Design Group 8826 Santa Fe Dr., Suite 304 Overland Park, KS 66212 Contact: Doug Wilson Email: dwilson@ddg.bz 913-341-2466 913-341-2455 fax	Blanchard AE Group 1425 Wakarusa Dr, Suite B Lawrence, KS 66049 Contact: A.J. DeBacker AJDeBacker@BAE.group 785-993-0300		Issue Record PERMIT ISSUE 05/
GRAPHIC SYMBOLS		9. Fire Alarm Building Occupant Load (Within Fire Area): Fire Alarm Provided:	135 Existing To Be Maintained	VICINITY MAP			
DOOR NUMBER P.	3 FINISH TYPE				\\		Revision Record
KITCHEN EQUIPMENT NUMBER DINING 100 ROOM/SPACE NUMBER	WINDOW TYPE				The state of the s		
TXX FURNITURE NUMBER XX MISCELLANEOUS EQUIPMENT NUMBER	DETAIL REFERENCE						
WASHROOM & KITCHEN ACCESSORIES NUMBER 6 A200 ELEVATION REFERENCE	SECTION REFERENCE				ERWA	PROJECT SITE PROJECT	
A1A WALL TYPE	PLAN NORTH						Project Data
							G000

DIVISION 1 - GENERAL REQUIREMENTS

- A. Contractor shall use the following Tenant provided documents in the negotiation and execution of the Work. Contact Tenant's office for copies of these documents:
 - JoJo's Instructions to Bidders. Construction Contract for JoJo's Shake BAR.
 - The term "Owner" used in these documents refers to the building Owner/Landlord. The term "Tenant" used in these documents refer to the restaurant Tenant, JoJo's Shake BAR. The term "Contractor" used in these documents refers to the entity responsible for
- A. The Work shall include construction of the site and building facilities as shown and specified in these Specifications and Drawings.
- B. When required and necessary, the Tenant will provide a subsurface exploration report as an

SECTION 01300 - ADMINISTRATIVE REQUIREMENTS

- A. Immediately inform the Architect of discrepancies between the information indicated in the Contract Documents and existing project conditions, and of discrepancies between information indicated on the architectural, structural, mechanical, plumbing and electrical documents.
- B. Upon completion of selective demolition work, feild measure the property and confirm that the overall dimensions match dimensions indicated on the drawings. Immediately inform the Architect if discrepencies
- C. Prior to fabrication and installation of new components, field verify all existing and new dimensions and
 - All dimensions are to rough face of stud or centerline of structure, unless otherwise indicated. Verify that all Subcontractors have reviewed and coordinated locations of their equipment and furnishings exposed to view with the architectural drawings. Review questions with the Architect.
- D. Coordinate new work indicated on the Contract Documents with new work that may be provided by the Owner and Tenant under separate contracts.
- E. Coordinate the work of Vendors, Contractors and Subcontractors providing fixtures, furniture and equipment identified as "by Tenant" in these drawings and specifications. Notify the Tenant in timely fashion if any problems develop with the performance of these Vendors,
- F. Coordinate the scheduling, sequencing, and the work of all trades and Subcontractors to assure efficient and orderly sequences of installation of interdependent construction elements.
- G. Verify that the utility requirement characteristics of operating equipment are compatible with the building utility services. Coordinate work of the various specification sections having interdependent responsibilities
- H. Coordinate the installation and physical space requirements of plumbing, mechanical and electrical work that are indicated diagrammatically on the drawings. Follow routing shown for piping, ducts and conduit as closely as practical. Install runs parallel with and perpendicular to the line of the building. Utilize spaces as efficiently as possible to maximize accessibility for other work installation and for maintenance and for
 - Conceal piping, ducts and conduit within the construction, except as otherwise indicated. Coordinate locations of registers, fixtures and outlets with finish elements.
- I. General Contractor, Subcontractors, Vendors and Suppliers shall be familiar with the entire set of drawings
- J. Coordinate completion and cleanup work of all trades and Subcontractors in preparation for Substantial
- K. To minimize disruption of Tenant's activities after Tenant occupancy of the property, coordinate access to the property with the Tenant's Construction Manager for correction of defective work and work not in accordance with the Contract Documents.

A. Only when indicated in the specifications or drawings submit shop drawings, product data, and/or samples to the Architect for review. All submittals shall be made directly to the architect by the general contractor. Only submittals for specified products will be accepted unless prior approval has been obtained for a substitution (refer to Section 01630). Submittals shall be made with respect to the construction schedule to allow for adequate review time: allow five (5) business days for review of submittals in Divisions 3 through 10 and allow ten 10) business days for review of submittals in all other Divisions.

> Submit electronic copies of each sheet of drawings. Shop drawings are original drawings prepared by the subcontractor or vender for the purpose of conveying information to the architect and/or engineer on how a building element or product will be constructed in sufficient detail for the architect and/or engineer to determine compliance with the design intent.

In all cases one copy of the submittal shall be returned to the general contractor. Electronic submittals for shop drawings or product data in either PDF or DWF format are acceptable for review. All submittals, regardless of format, must bear the general contractor's stamp indicating the submittal has been reviewed and approved. Any submittal not meeting the requirements set forth will be rejected by the architect.

- A. In the event that the general contractor, or a subcontractor, at any tier, determines that some portion of the drawings, specifications, or other contract documents requires a clarification or interpretation by the architect, the general contractor shall submit a Request For Information in writing to the architect in an
 - Requests for Information may only be submitted by the general contractor and may only be submitted to the architect. The general contractor shall clearly and concisely set forth the issue for which clarification or interpretation is sought and why a response is needed from the architect or the architect's onsultants. In the Request for Information, the general contractor shall set forth an interpretation or understanding of the requirement along with an explanation of why such an understanding was reached.
- B. The architect will review all Requests for Information to determine whether they are Requests for Information within the meaning of this term. If the architect determines that the document is not a request for information, it will be returned to the general contractor, un-reviewed as to content, for re—submittal in the proper form and in the proper manner.
- Responses to Requests for Information shall be issued upon receipt, but no later that five (5) working days of receipt of the Request from the general contractor; unless the architect determines that a longer amount of time is necessary to provide an adequate response. If a longer amount of time is determined necessary by the architect, the architect will, within five (5) working days of receipt of the Request, notify the general contractor of the anticipated response time. If the general contractor submits a Request for Information on an activity with five (5) working days or less of float on the current project schedule the general contractor shall not be entitled to any time extension due to the time it takes the architect to respond to the Request provided that the architect responds within the parameters set forth
- C. Responses to Requests for Information from the architect will not change any requirements of the contract documents. In the event that the general contractor believes that a response to a Request For Information will cause a change to the requirements of the contract documents, the general contractor shall immediately give written notice to the architect and the tenant stating that the general contractor considers the response to be a Change Order. Failure to give such written notice immediately shall waive the general contractor's (or any subcontractor's) right to seek additional time or cost under the Administrative Requirements of these contract documents.

SECTION 01400 - QUALITY REQUIREMENTS

- A. Perform all work in accordance with applicable local, state, and federal building codes, plumbing codes, mechanical codes, electrical codes, ordinances and rules and regulations governing food service establishments.
- B. Comply with local, state and federal requirements governing accessibility.
- C. Obtain all required demolition and erosion control permits required by authorities having jurisdiction.

1.2 Quality Control:

- A. Maintain quality control over manufacturers, suppliers, products, services, site conditions and workmanship, to produce work of specified quality.
- B. Comply with manufacturer's instructions and applicable trade standards.
- C. Handle, install, connect, clean, condition and adjust products in strict accordance with manufacturer's instructions and complying with specified requirements. 1. Request clarification from the Architect before proceeding, where manufacturer's instructions conflict with the Contract Documents.
- D. Comply with specified standards as a minimum quality for the Work, except when more stringent tolerances, codes or specified requirements indicate higher standards or more precise workmanship.
- E. Perform work by persons qualified to produce workmanship of the specified quality.
- F. Secure products in place with positive anchorage devices designed, sized and installed to withstand stress, vibration, physical distortion or disfigurement.

- A. Employ and pay for the services of an independent testing laboratory to perform inspections, tests and other services when required.
- B. Include inspection and tests as indicated in the specification sections, drawings, and as required by authorities having jurisdiction. Test concrete in accordance with Section 03300 and drawing requirements.

Test structural steel in accordance with Seciton 05110 and drawing requirements.

SECTION 01500 - TEMPORARY FACILITIES AND CONTROLS

1.1 Provide temporary facilities and controls as shown and specified:

- A. Codes and Standards: Provide temporary construction facilities and controls complying with all applicable local, State and Federal local laws, regulations and codes and utility company
- B. Temporary Heating, Ventilating and Cooling:
- 1. Provide, pay for and maintain all temporary heating, ventilating and cooling equipment and facilities required during the progress of the work to protect materials, finished work, and equipment against damage from low and high temperatures and humidity.
- 2. Provide temporary heating, ventilating and cooling when the outside temperature and humidity is low/high enough to damage or affect in any way the performance or quality of material and product stored in the building, in any temporary storage area, or any material or product incorporated into the work.
- 3. Provide temporary heating, ventilating and cooling when the outside temperature and humidity is low/high enough to significantly slow or hamper effectiveness of workers and to provide suitable working conditions.

C. Temporary Electrical Lighting and Power:

- Provide, pay for and maintain all temporary electrical service for lighting and power required during the progress of the work. Include all necessary wiring, fuses, disconnect switches, safety devices, junction boxes, panels, ground fault protections, and transformer if required. Include cost for providing temporary electric generators in the Contract Sum, if
- temporary electric service is not available for use during progress of the work. 2. Temporary service and lighting and power items and installations shall conform to the requirements of the NFPA National Electric Code and OSHA Occupational Safety and Health
- D. Water: Provide, pay for and maintain all temporary water required during the progress of the work. Include all necessary storage tanks, piping, valves, fittings, hose and hose connections during construction and testing.
- E. Temporary Toilets: Provide, pay for and maintain temporary toilet facilities for use by the Contractor, Contractor's employees and all Subcontractors and Subcontractors' employees. Comply with all local requirements for installation, use and maintenance of temporary toilet facilities.

F. Barriers and Enclosures:

- I. Provide temporary construction barriers in accordance with project requirements. Exercise all necessary precautions to protect adjacent properties, outside project contact limits, during progress of the work. Take special precautions to avoid damage to existing overhead and underground utilities and services owned or operated by the
- Owner or by public or private utility companies. 2. Provide temporary weather—tight enclosures at exterior openings to provide acceptable working conditions and protection of materials and to allow for temporary heating, ventilating and cooling.

G. Field Office, Telephone and Email:

- 1. Provide and maintain a temporary field office at the project site during progress of the work. A designated area within the existing building will be available for use as a temporary field office. Verify area size and location with the Tenant.
- 2. Maintain copies of permits, approved shop drawings, specifications, addenda and record documents at field office.
- 3. Provide temporary telephone service and internet service w/ email and photo capabilities to field office throughout progress of the work. 4. Provide weekly photographic documentation of project progression to Tenant.

- 1. Provide and maintain all necessary safety provisions for protection and safety of the
- project work, workers and general public. Provide and maintain operable fire extinguishing devices in well—marked, accessible locations throughout the project. Provide types, quantities and locations in compliance with governing codes and ordinances.
- 3. Provide all necessary security barriers and enclosures to protect the work and Tenant's operations from unauthorized entry of persons, vandalism and theft. Provide doors, when required, with self-closing hardware and locks.

- 1. During Construction: Provide an approved on—site container for the use of all Contractors and Subcontractors for the collection of waste materials, debris and rubbish. Execute periodic cleaning to keep the work, the site and adjacent properties free from accumulations of waste materials, rubbish and windblown debris, resulting from construction operations. Remove crates and cartons in which materials, equipment, or fixtures are received to on-site containers daily.
- a. Maintain the property in a clean and orderly condition. Remove waste materials, debris and rubbish from the site on a daily basis and dispose of at legal disposal areas away from the site.

2. Dust Control:

- a. Remove debris and rubbish from pipe chases, plenums and other similar closed or remote spaces prior to covering or enclosing the space.
- b. Sweep and vacuum clean interior surfaces before start of surface finishing and painting. Continue cleaning on an as—needed basis until finishing and painting is
- c. Cleaning operations shall be acceptable to the Tenant's Construction Manager. J. Construction Waste: Contractor must salvage for reuse at least 50 percent of the nonhazardous

construction and demolition waste. Develop a waste management plan in accordance with Cal

Green Section 5.480. SECTION 01630 - SUBSTITUTIONS

1.1 General:

- A. Products, including materials, equipment and systems described in the Contract Documents establish the standards of required function, dimension, appearance, quality and performance of the Work. Base all bids on the "Standards" indicated.
- B. Requests by the Contractor for changes in products, manufacturers, fabricators, suppliers, installers, and methods of construction required by the Contract Documents are considered requests for "substitutions:" Substitutions will be considered only under the following conditions: 1. The indicated "Standard" cannot be provided within the Contract Time
 - 2. The indicated "Standard" cannot receive necessary approval by the governing authority. 3. A substantial advantage is offered the Owner, in terms of cost, time, energy conservation or other considerations of merit as determined by the Architect.
- C. Submit each request for substitution to the Architect. Identify the product, manufacturer, fabricator, supplier, installer or the fabrication or installation method to be replaced in each request. Identify related Specification Section and Drawing numbers. Provide documentation as directed by the Architect.

- D. Substitutions will not be considered when indicated on shop drawings or product data submittals without separate written request, when requested directly by subcontractor, manufacturer, fabricator, or supplier, or when acceptance will require substantial revision of the Contract Documents.
- E. Substitute products, manufacturers, fabricators, suppliers, and installers shall not be used for the Project without Tenant and Architect's written acceptance.

SECTION 01700 - EXECUTION REQUIREMENTS

1.1 Preparation:

- A. Protection of existing construction: Use all necessary care and appropriate means and methods to protect and prevent damage to existing construction and property not part of the Contract Work. Repair and refinish or replace construction and property damaged during construction work, at Contractor's expense.
- 1.2 Selective Demolition: Provide selective demolition as shown and specified.

- A. Preparation: Coordinate work of this Section with work of various Contractors and Tenant's staff.
 - Maintain protected access at all times.
- Erect and maintain weatherproof closures at exterior openings. Erect and maintain dust-proof interior partitions to prevent spread of dust or fumes.
- 5. Erect and maintain barricades, enclosures, bracing, shoring, lights, warning signs and guards necessary for worker and public safety and protection of property.
- 6. Disconnect, remove and cap designated utility services. Identify and mark locations of disconnected and capped utilities at the project site and on Project Record Documents. 7. Notify and coordinate with the Tenant's Construction Manager and the building Owner for
- any demolition occurring outside the lease limit. 8. Coordinate hours of operation and construction access with the Tenant's Construction Manager and the building Owner.
- B. Selective Demolition
- Remove existing construction to accommodate new construction as indicated. 2. Perform selective demolition in an orderly, systematic and careful manner with least
- possible disturbance to public and adjacent property. Use of explosives is prohibited. 3. Immediately remove from the site and legally dispose of demolished materials, except as indicated otherwise. Do not burn or bury materials on the project site.

1.3 Cleaning

- A. Final Cleaning: Perform final cleaning upon completion of project work. 1. Remove waste and surplus materials, rubbish, tools, equipment and temporary construction
 - 2. Clean exterior grounds; remove stains, spills and foreign materials from paved areas, power wash and sweep clean. Rake clean landscaped surfaces of the grounds.
 - Remove temporary protection and labels not required to remain. 4. Clean all finished surfaces. Remove grease, mastic, adhesives, dust, dirt, stains, fingerprints, labels and other foreign materials from exposed interior and exterior surfaces.
 - a. Clean all plumbing, fire protection and electrical fixtures and equipment including ceiling area elevated ductwork and lighting fixtures. Clean permanent equipment filters and replace temporary disposable filters in
 - mechanical units used during construction. c. Clean ducts, blowers and coils if mechanical units were operated without filters during
 - 5. Clean interior and exterior glazing and mirrors, polish transparent and glossy surfaces and
 - clean floors with appropriate materials and equipment. Remove waste, foreign material and debris from roofs, areaways and drainage systems.

7. Before Tenant occupancy, conduct an inspection, with the Tenant, of exposed interior and

exterior surfaces at all work areas, to verify that the entire work is clean. 1.4 Starting and Adjusting:

A. Prior to Substantial Completion, coordinate the start—up, test and balance, placement in operation and adjustment all systems, controls and equipment to verify proper operation. All systems shall be complete and operating prior to final inspection.

1.5 Contract Closeout:

- A. Operation and Maintenance Data: Submit one operation and maintenance manual, bound in 8-1/2" x 11" text pages, three D side ring capacity expansion binders with durable plastic
 - 1. Subdivide the binder contents internally with permanent dividers logically organized as
 - described below. Provide tab titles clearly printed under reinforced laminated plastic tabs. Provide a table of contents with each product or system description identified. Provide a directory listing names, addresses, and telephone numbers of the project
 - Architect/Engineer, Contractor, Subcontractors and major equipment suppliers. 4. Prepare operations and maintenance instructions arranged by system and subdivided by specification section. Identify names, addresses, and telephone numbers of project Subcontractors and suppliers. For each category, identify the following:
 - a. Significant design criteria.
 - List of equipment.
 - Parts list for each component.
 - Operating instructions. Maintenance instructions for each equipment item and systems.
 - Maintenance instructions for special finishes, including recommended cleaning methods and materials and special precautions for identifying detrimental agents.
 - 5. Submit operations and maintenance data to the Tenant with final application for payment in accordance with Exhibit C of the Construction Contract. 6. Submit record/as built documents to the Tenant with final application for payment in accordance with Exhibit C of the Construction Contract.

B. Record/As Built Documents:

- 1. Prepare and maintain on site one set of the following record/as built documents:
 - a. Contract Documents. Construction Documents.
 - Change orders and other modifications to the Contract.
- Shop drawings, product data, and samples.
- e. Construction schedule.
- Store record/as built documents separate from documents used for construction.
- Record actual revisions to the Work, concurrently with construction progress. Legibly mark and record a description of actual products installed at each specification section, including the following:
- a. Manufacturer's name and product model and number.
- Approved product substitutions or alternates utilized. c. Changes made by addenda, change orders, and other modifications.
- 5. Legibly mark each item to record actual construction, including the following: Measured depths of foundations in relation to finish first main floor datum.
 - Measured horizontal and vertical locations of underground utilities and appurtenances, referenced to permanent surface improvements.
- c. Measured locations of internal utilities and appurtenances concealed in construction, referenced to visible and accessible features of the work.
- Field changes of dimension and detail. e. Details not on original Contract Document drawings.

accordance with Exhibit C of the Construction Contract.

C. Warranties and Bonds: Compile warranties and bonds required by the Contract Documents. Submit duplicate copies of warranties and bonds to the Tenant with final application for payment in accordance with Exhibit C of the Construction Contract.

6. Submit record/as built documents to the Tenant with final application for payment in

- D. Maintenance Materials and Spare Parts:
 - Provide extra maintenance materials and spare parts in quantities indicated in the specification sections. 2. Place in location as directed by the Tenant's Construction Manager.

DIVISION 2 - SITE CONSTRUCTION

1.1 General: Provide site construction work, including services, utilities, earthwork, paving and landscaping in accordance with the site construction work drawings and details.

DIVISION 3 - CONCRETE

SECTION 03300 - CAST-IN-PLACE CONCRETE

- 1.1 General: Provide cast—in—place concrete work in accordance with the General Structural Notes, structural drawing and details. Follow shell building documents for secifications, joints and geotech.
- A. Standards: Materials and construction shall conform to the following: 1. ACI 117 "Standard Tolerances for Concrete Construction and Materials."
 - ACI 301 "Structural Concrete for Buildings.
 - ACI 305R "Recommended Practice for Hot Weather Concreting." 4. ACI 306R "Recommended Practice for Cold Weather Concreting."
 - 5. ACI 315 "Details and Detailing of Concrete Reinforcement."
 - 6. ACI 318 "Building Code Requirements for Reinforced Concrete."
- 2.1 Materials:
 - A. Under Slab Vapor Retarder: Stego Industries LLC, 877—464—7834, internet www.stegoindustries.com high density polyethylene Stego Wrap (10 mil) Vapor Barrier meeting or exceeding ASTM E1745 performance criteria for Class C vapor retarders.
 - Seam Tape: High density polyethylene tape with pressure sensitive adhesive. Pipe boots: Shop or site fabricated from vapor retarder material and seam tape.

Portland Cement: ASTM C150, Type I

with manufacturer's instructions.

manufacturer's installation instructions.

- Aggregate: ASTM C33.
- Water: Clean and potable. Reinforcement: When required, comply with drawings reinforcement requirements.
- Compressive Strength: Minimum 3000 psi at 28 days. 6. Admixtures: All admixtures shall be approved by the Tenant's Construction Manager prior to
- placement in the concrete mix. C. Topping Concrete: When required to suit installation conditions, Ardex Diama-Top of Ardex Engineered
- Cements (888)512-7339, internet www.ardex.com 1. ULTRAFLOR ARDEX DIAMA-TOP, self-leveling concrete repair material. 2. Any Pinholes that need to be filled shall be filled with ARDEX DIAMA-FILL filling compound for
- appropriate time during the polishing process. 3. The primer for areas to receive ARDEX DIAMA—TOP will be ARDEX EP 2000 Substrate Preparation

polished concrete, concrete terrazzo and other cementitious wear surfaces applied at the

4. Installation shall be performed by factory—trained professional applicators in strict accordance

3.1 Installation

- A. Vapor Retarder: Place, protect and repair vapor retarder sheets in accordance with ASTM E1643 and
 - Provide a single layer of vapor retarder material over level compacted slab base. Lap joints and seams 6 inches and seal with seam tape. 3. Seal all penetrations and repair damaged areas before concrete placement.

B. Reinforcement Place and inspect all reinforcing steel before concrete is placed.

- C. Concrete Placement: 1. Place cast—in—place concrete in accordance with ACI 301 and ACI 305R and 306R recommended practices for hot weather and cold weather concreting. Do not place concrete when temperature is below 40 degrees F.
- 2. Wet cure concrete in accordance with ACI 301, using moist curing or moisture—retaining covers D. Finish: Except where additional floor finish is scheduled, provide a smooth steel trowel finish. 1. Exposed concrete used as a finish floor surface shall have a smooth finished surface, uniform

in texture and appearance and free of trowel marks and other defects affecting ease of

- maintenance. 2. Grind smooth surface defects as directed by the Tenant's Construction Manager.
- E. Testing: When required, comply with drawings and specification sections testing requirements. F. Topping Concrete: Prepare concrete floor slab substrate surfaces, prime substrate surfaces, mix,

install and finish topping concrete in accordance with manufacturer's application instructions. SECTION 03395 - CONCRETE SEALING & POLISHING

1.1 General: Provide a sealed and polished concrete floor finish as shown and specified.

A. Standards 1. American Society for Testing and Materials:

a. ASTM-C779, Standard Test Method for Abrasion Resistance of Horizontal Concrete Surfaces b. ASTM G23-81, Ultraviolet Light & Water Spray

c. ASTM C805, Impact Strength 2. American Concrete Institute A. ACI 302. 1R-89, Guide for Concrete Floor and Slab Construction.

- B. Submittals: Provide the following:
- 1. Manufacturer's product data, specifications and installation instructions. Include Material Safety Data Sheets (MSDS) and identify application requirements, curing time and safety requirements. Certified test reports, prepared by an independent testing laboratory, confirming compliance with
- 3. Manufacturer's certification that installer is a certified applicator of special concrete floor finishes, and familiar with manufacturer's installation procedures and requirements for the

sprcified sealed and polished concrete floor finish. 4. Manufacturer's installer's written acceptance of substrate and installation conditions.

- C. Quality Assurance:
 - Installer Qualifications a. Use a certified installer and adequate number of skilled workmen who are thoroughly trained and experienced in the necessary craft. b. The special concrete finish manufacturer shall certify the applicator. c. Applicator shall be familiar with the specified requirements and the methods needed for
 - proper performance of work of this section. Applicator shall have not less than three years successful experience installing slealed and polished floor finishes similar to those required for this project. d. Provide a letter of certification from special concrete finish manufacturer stating that
- installer is a certified applicator and is familiar with proper procedures and installation reequirements required by the manufacturer. 2. Protection: Contractor shall provide all necessary materials, means, methods and procedures acceptable to the floor finish manufacturer and required to protect the concrete floor surface and provide a suitable substrate for the installation of the specified sealed and polished

concrete floor finish.

- D. Project Conditions: 1. Comply with the floor finish manufacturer's environmental limitations for substrate temperature and moisture content, ambient temperature, and humidity, ventilation and other conditions
- Concrete must have an average Floor Levelness rating of at least 40. c. Concrete must be cured a minimum of 28 days or as directed by the manufacturer before application of RetroPlate can begin. Wet cure of the concrete is preferred. No concrete sealer is necessary.

a. Concrete must have an average Floor Flatness rating of at least 40.

affecting the special floor finish performance.

- 2. Before general sealer/hardener application, prepare and coat a jobsite test area of size acceptable to the Architect, to verify and approve proper surface preparation, application
- techniques and coverage rate. 3. Close finished floor areas to traffic during floor finish application and after application for time period directed by the floor finish manufacturer. 4. The completed RetroPlated slab will be covered to prevent damage by the other trades during

2.1 Materials

- A. New stained finish existing concrete floor sealer: ROCK-TRED Corp. (800) 762-8733, internet www.rocktred.com "AGUA—ROCK Clear Sealer" high solids, water based 2—component penetrating epoxy sealer coating meeting all USDA guidelines and formulated for sealing new and existing cast—in—place
- B. Hardening/Sealing Agent 1. RetroPlate 99 a water—based sodium silicate, concrete hardening/sealing agent manufactured

VOC = 0 q/L

store completion.

by Advanced Floor Products, Inc., 801/812-3420, internet www.retroplatesystem.com, VOC = 0 g/LRetroGuard Stain Inhibitor

Joint Filler: CreteFill Pro 75. Two component 100% solids non-staining Polyurea Elastomer.

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Issue Record 05/06/22

Revision Record

Specifications

5. Lay face brick and solid CMU with completely filled bed and head joints. Do not slush head

Compress and cut joints flush for masonry walls below grade or covered by other materials.

joints. Maintain uniform 3/8" joint widths.

7. Tool joints in all exposed masonry work to a concave joint.

A. Materials compliance: When requested, submit acceptable data documenting materials compliance for each type of material required.

B. Structural Shapes: ASTM A36/A36M, 36 ksi steel.

AISC "Code of Standard Practice."

3. AWS "Structural Welding Code, D1.1-Steel."

C. Tubular Steel: ASTM A500, 46 ksi yield strength steel, cold-formed welded and seamless. D. Structural pipe: ASTM A53, type and grade selected by the fabricator as required for design loading,

standard finish, standard weight (Schedule 40) except as otherwise indicated.

8. Provide interlocking masonry bond in each course at corners and intersecting walls.

d. Install anchors, plates and related work built into masonry work.

masonry around built—in items.

fabricated sections.

D. Reinforced Concrete Masonry

E. Repair, Pointing and Cleaning

and masonry solid with fine mortar grout.

cut units before building in services.

course where shown on the drawings.

a. When not indicated, at maximum 30'-0" on center.

drawing details for reinforcing steel size and spacing.

work replaced at Contractor's expense.

and scrapers. Metal tools not acceptable.

6. Muriatic acid cleaning of masonry not permitted.

A.Standards: Materials and construction shall conform to following:

manufacturer's cleaning instructions.

c. Joint sealant color shall match masonry materials sealed.

Fully embed side rods in mortar.

9. As the work progresses, build in masonry accessories and related items. Fill in solidly with

a. Bed hollow metal frame anchors in mortar and fill space between hollow metal frames

Provide solid masonry bearing for all lintels, beams, joists, plates and load—bearing

e. Install reinforcing steel and concrete fill where indicated. Comply with drawing details.

10. Horizontal joint reinforcing: Provide continuous joint reinforcing at all concrete masonry walls as

b. Lap reinforcement a full width at the corners and at intersections or use special

11. Anchoring masonry work: Provide anchoring devices of the type indicated or required.

1. Reinforce and fill CMU wall and column masonry where indicated. Fill all cores solid with

a. Comply with drawing details for reinforcing steel size and spacing.

concrete fill. Comply with NCMA TEK Bulletins 3-2, 3-3A and 14-2 recommendations.

1. In process cleaning: Wipe off excess mortar as the work progresses. Dry brush with bristle

2. Install bond beams where indicated. Reinforce and fill units solid with concrete fill. Comply with

brushes exposed masonry at the end of each day's work. Remove mortar spatters and joint

cleaning agent to the entire wall, clean a sample wall area of approximately 20 square feet in

has been allowed to dry a minimum of 3 days and the test area cleaning approved. Protect

all windows, doors, louvers, metal lintels and other corrodible parts. Damaged materials and

3. Dry clean exposed surfaces to remove large particles of mortar using hardwood wood paddles

4. Presoak exposed masonry surfaces by saturating with water and flush off loose mortar and

5. Apply cleaning solutions and clean masonry in accordance with the cleaning material

a location acceptable to the Architect. Do not proceed with final cleaning until the sample area

2. Clean all exposed masonry. Cleaning agents subject to Architect's approval. Before applying any

12. Provide vertical expansion, control and isolation joints in masonry where indicated.

a. In every second block course, 16" on center vertically, full height of wall and every block

Locate control joints at points of natural weakness in masonry and acceptable to

Take particular care to embed all conduits and pipes within concrete masonry without

fracturing exposed shells and to fit units around switch, receptacle and other boxes set

in walls. Where electric conduit, outlets, switch boxes and similar items occur, grind and

E. Grout: ASTM C1107, pre-mixed, shrinkage resistant, non-metallic, non-corrosive, non-staining grout.

1. AISC "Specification for the Design, Fabrication, and Erection of Structural Steel for Buildings."

F. Shop paint primer: SSPC Paint 2.

G. Fabrication: Fabricate structural steel in accordance with AISC "Specification - Structural Steel for Buildings" and "Code of Standard Practice." Provide welded or bolted connections in accordance with the Structural Drawings connection requirements. 1. Welding: Conform to AWS welding standards. Provide only continuous welds, spot welding is not

acceptable. Grind all exposed welds smooth. 2. Splicing: Material, if spliced, shall have maximum one splice per structural member. Perform splicing by full penetration butt-welding using AWS qualified welders and welding methods.

3. Shop painting: Shop paint structural metal members, except members or portions of members to be embedded in concrete or masonry, surfaces and edges to be field welded and galvanized surfaces.

3.1 Installation:

A. Erection: Erect structural steel in accordance with AISC "Specification — Structural Steel for Buildings" and "Code of Standard Practice". Plumb, level and align base plates for structural members with steel shims.

Grout structural steel base plates solid that bear on concrete or masonry surfaces.

SECTION 05400 - COLD-FORMED METAL FRAMING

1.1 General: Provide cold—formed metal framing in accordance with the General Structural Notes and structural drawings and details.

1. AISI SG02.2-01 "Design of Cold-Formed Steel Structural Members." 2. AWS "Structural Welding Codes, D1.3—Sheet Steel."

A. Standards: Materials and construction shall conform to following:

B. Testing: When required, comply with drawings testing requirements.

A. Materials compliance: When requested, submit acceptable data documenting materials compliance for each type of material required.

B. Load-Bearing Cold-Formed Metal Framing: ASTM A1003, Gage, Grade and Type indicated. Components: Provide sizes and shapes indicated. 2. Finish: Galvanized complying with ASTM A653, minimum G60 coating.

C. Fabrication: 1. Cold—formed metal framing may be prefabricated into panels before erection. Fabricate panels plumb, square, true to line and braced against racking with joints welded. a. Provide one—piece full—length cold—formed metal framing members. Splicing not

2. Attach and join other components by welding or screw fasteners, as indicated. Wire tying of framing components is not permitted. 3. Cut framing to fit squarely for attachment to perpendicular members or as required for

angular fit against abutting members. Hold members securely in position until properly 4. Saw cut field cut framing. Torch cutting not acceptable.

A. Erection: Erect cold—formed metal framing members of gage and at spacing indicated on the Architectural and Structural Drawings. If thiere is a gage and/or spacing conflict between two Arheitectural and Structural drawings then the Structural drawings shall govern. Align and secure studs to top and bottom runner tracks by welding or screw fasteners at both inside and outside

B. Tolerance Acceptance: Install cold-formed metal framing member as indicated on the plans. Install to $\frac{1}{16}$ " tolerance.

SECTION 05500 - METAL FABRICATIONS

1.1 General: Provide metal fabrications as shown and specified.

A. Submit shop drawings for the following:

1. Patio railing systems. a. Show thickness, size, construction and manner of assembling various members, joint locations and railing layout. Show true profiles, connections and relationship to adjoining work and methods of

2. Custom panelized metal wall. a. Show thickness, size, construction and manner of assembling all components of system.

A. Materials compliance: When requested, submit acceptable data documenting materials compliance for each type of material required.

B. Steel Shapes: ASTM A36/A36M, 36 ksi steel.

C. Stainless Steel:

Wall: 18 Gage, ASTM A167 AISI Type 304 stainless steel, No. 4 finish. 2. Corner Cove Base: Custom by Decimet Sales, Inc., Contact Tony Hines or Lisa Pappenfus at (763) 428-4321. (No substitutes)

D. Diamond Plate: Nominal 1/8" thick ASTM B209, Alloy 6061-T6, Aluminum Diamond Tread Plate. Wall: Bright reflective finish. 2. Floor: Mil finish.

E. Patio Railing System: Refer to sheet A001 Responsibility Matrix for Vendor listing and contact.

1. Submit shop drawings including the following: a. Show thickness, size, construction and welding as well as assembly drawings. b. Show true profiles, connections of all typical joint configurations

c. Show installaion (fastening) and proposed grout (non-gypsum base) d. Show gate detail and gate hardware manufacturer and model number Patio railing plan, with dimensions and panel assembly locations.

All welding spatter shall be removed before sand blasting.

Fabrication

a. Patio rails and gate shall be fabricated from steel flat bar, %" x 2 ½". b. Corner connector angles shall be 2 ½" x 2 ½" x ¼" steel L angle.

c. Gate hinges shall be a shelf—closing, adjustable tension type. Hinge installation shall be drilled and tapped. Pemanently welded are unacceptable. d. Gate shop shall have a rubber cushion stop and be affixed to the active gate. e. All corners and oints shall be seal welded and outside joints ground smooth.

a. Patio railing shall be painted PPG Durethane, color 518—6 Knight's Armor. Refer to Section 09900 — Paints and Coatings for preparation.

F. Exposed Fasteners:

Diamond Plate: #8 x 1" bevel headed stainless steel screw.

2. Patio Railing: a. All fasteners shall be stainless steel powder coated to match railing sections. b. Spacer washers separating railing sections shall be 1 ½" diameter and ½" thich they

shall be one piece thick washers and not comprised of stacking washers. c. Spacer washers shall be used on all straight sections and when railing panels join at 90 degree corner angles.

G. Shop paint primer: SSPC Paint 2.

3.1 Installation: Comply with the Architectural Drawing details and the following:

A. Exposed Fasteners:

1. Corrugated Siding: Provide uniform 8" vertical and 7 ¾" horizontal pattern. All screws shall be in the "Valley". Screws shall commence approimately 3" from the side and 3" from the bottom edge of the wainscot. Exposed fasteners shall remian unpainted in natural factory supplied finish.

2. Flat Metal Panels: Provide 18" vertical and horizontal pattern or spaced equally if 18" pattern does not finish evenly. Exposed fasteners shall remian unpainted in natural factory

. Diamond Plate: Provide counter sunk fasteners at perimeter of panels at 2'-0" on center maximm as well as fully adhering to surface.

R Stainless Steel

1. Wall: a. Clean stainless steel panel with mineral spriits.

b. Install stainless steel panels with Henry 117 oil based adhesive applied to wall with ½" notch tooth trowel.

Trim seams as indicated on the drawings. No exposed fasteners. 2. Corner Cove Base: Install a day prior to quarry tile base. Apply adhesive liberally to the back of the corner cove base and press and tape firmly in place until adhesive has set. Neatly caulk the top of the stainless with GE Silicone II (color Aluminum). a. Over Cement Board: Bond with GE Silicone II, 100% silicone sealant for aluminum and

b. Over Stainless Steel: Bond with Hydroment Ultra-Set.

C. Diamond Plate:

Wall: Mount over plywood substrate w/ flush exposed fastener. 2. Floor: Provide continuous bead of silicone sealant to back side perimeter of plate prior to

3. Mount with exposed fasteners. Provide continuous bead of silicone sealant to perimeter of plate after installation.

D. Patio Railing System:

Railing posts shall be set 6" deep into a core drilled hole, 4" - 6" diameter.

Railing posts shall be grouted in using non gypsum quick set grout. Railing posts shall be ste in grout plumb and level, with a tolerance of $\frac{1}{8}$ " in 4 feet.

E. Hand—inspect all joints and edges of installed materials. Unless otherwise indicated, fit exposed connections accurately together to form tight hairline joints. Grind and ease exposed joints, and edges smooth and free of burrs.

DIVISION 6 - WOOD AND PLASTICS

SECTION 06100 - ROUGH CARPENTRY

1.1 General: Provide rough carpentry work as shown and specified.

A. Standards: Materials and construction shall conform to following:

NIST PS-1-95 "Construction and Industrial Plywood."

NIST PS-2-95 "Performance Standards for Wood-Based Structural-Use Panels." NIST PS-20-99 "American Softwood Lumber Standard."

4. NF&PA NDS-97 "Wood Construction and Supplement." 5. AWPA "Wood Treatment Standards."

B. Submit shop drawings for open—web wood truss products.

2.1 Materials:

A. Lumber: Factory grade-marked, dressed, seasoned dimension lumber, S4S, air-dried, maximum 19% moisture content complying with PS-20, dimensions indicated. 1. Blocking, nailers and similar members: Standard Grade Western Dimension Lumber or Southern Pine species. a. Provide preservative treated lumber, where indicated.

B. Plywood: Factory grade-marked, complying with PS-1, square edge, 5/8" thick, U.N.O. in 1. APA-RATED SHEATHING EXP1.

Provide Exterior Grade (EXT) plywood, where indicated. Provide fire-retardant treated plywood, where required by Building Code.

C. Oriented Strand Board (OSB): Factory grade—marked, complying with PS-2, square edge, 1/2"

2.2 Wood Treatment:

A. Preservative Treatment: Comply with applicable requirements of AWPA Standards C2 (Lumber). 1. Pressure preservative treat lumber with water—borne preservatives, acceptable to authorities

having jurisdiction, to a minimum retention of 0.25 pcf. Treat wood blocking, nailers and similar members in connection with roofing and flashing. 3. Treat wood plates, blocking, furring and similar concealed members in contact with masonry or concrete.

B. Fire—Retardant Treatment: Comply with applicable requirements of AWPA Standards C27 (Plywood). Identify "fire—retardant—treated plywood" with appropriate UL classification marking. 1. Treated materials shall meet "Interior Type A" FR-S ratings of not more than 25 for flame spread, smoke developed and fuel contributed when tested in accordance with UL 723 or ASTM E84, with no increase in flame spread and evidence of significant progressive combustion upon continuation of test for additional 30 minutes.

C. Kiln—dry all treated lumber and plywood materials after treatment to maximum 15% moisture

3.1 Installation:

1. Provide wood blocking, nailers and similar members where shown and where required for attachment of other work and surface applied items. Attach to substrate as required to support applied loading. a. Use only sound, seasoned materials of longest practical lengths and sizes to

minimize joints.

b. Use materials free of warp. Make tight connections between members.

SECTION 06210 - FINISH CARPENTRY AND MILLWORK

1.1 General: Provide finish carpentry and millwork as shown and specified.

A. Standards: Materials and construction shall conform to the following: 1. AWI "Architectural Woodwork Quality Standards — 2003."

B. Doors and door hardware: Install all door hardware furnished under Division 8 specification

C. Submit shop drawings for designated millwork. Include complete details, materials lists and drawings showing fabrication of typical

units, unit assemblies, locations and installation details. List proposed cabinet hardware to suit indicated unit use or function.

Identify materials required to complete work ready for installation.

4. Obtain shop drawing approval before starting fabrication.

2.1 Materials:

A. Plywood: AWI Section 200 1. Concealed use substrates: D-3 Paint Grade hardwood plywood, with aspen veneer core,

5/8" thick. Formaldehyde = .048ppm. 2. Exposed to view finishes: Plumb Creek, AC Sanded Face Exterior Fir plywood, ²³/₃₂" thick by 4'-0 by 8'-0. Pressure treated with d-blaze to meet Class A fire rating, where required. Formaldehyde free.

B. Millwork: Materials and construction as detailed on the drawings.

C. Fabrication:

1. Millwork design and fabrication details shown on the drawings indicate design intent. Unless otherwise indicated, provide manufacturer's standard fabrication methods. Indicate all proposed variations from the drawing design and fabrication details on shop drawings. 2. Fabricate millwork in accordance with AWI "Custom Grade" requirements. Where details are

not shown, comply with applicable Quality Standards or with alternate details acceptable to Architect as fabricator's option. a. All shop joints made with standard construction adhesive glued under pressure.

3. Fabricate finished work properly framed, closely fit and accurately set to required lines and levels and rigidly secured in place. 4. Fabricate work straight, plumb, level and in true alignment; neatly and accurately fit,

scribed and thoroughly secured. Plane and sand miters and other joints. Ease all square edges. Provide millwork clean and free from warp, twist, open joints and other defects. 5. Provide finished woodwork dressed and sanded free from machine and tool marks.

abrasions, raised grain or other defects on surfaces exposed to view in finished work.

D. Finish: Provide exposed to view plywood shop finished with clear dull sheen ML Campbell Krystal conversion varnish. Apply two coats with scuff sanding in between. All cuts in field are to be sanded smooth and finished with clear dull sheen ML Campbell High Performance Pre—Cat Lacquer. Apply two coats with scuff sanding between.

3.1 Installation

A. Install finish carpentry and millwork products plumb, level, true and straight with no distortion. Shim as required using concealed shims. Install to a tolerance of 1/8" in 8'-0" for plumb and level (including countertops) and with 1/16" maximum offset in flush adjoining surfaces, 1/8" maximum offsets in revealed adjoining surfaces.

Scribe and cut finish carpentry and millwork products to fit adjoining work. Anchor finish carpentry and millwork items to built—in place blocking, furnished under Section 06100, or directly attach to substrate framing. Secure to grounds, blocking and nailers with countersunk, concealed fasteners and blind nailing as required for a complete installation. For exposed plywood, screw in uniform pattern in predrilled holes where provided by Millwork Supplier.

B. Install casework without distortion so that doors and drawers will fit openings properly and be accurately aligned. Adjust hardware to center doors and drawers in openings and to provide unencumbered operation.

C. Install plastic laminate countertops, shelving and trim. Provide work level, true to alignment, accurately fit to wall conditions and securely fastened to base units and other support systems

SECTION 06605 - FIBERGLASS REINFORCED PLASTIC PANELS

abutting panels.

1.1 General: Provide fiberglass reinforced plastic panels as shown and specified.

2.1 Materials:

A. Manufacturer: Marlite, (330) 343-6621, internet www.marlite.com.

B. Panel System: Marlite "Fiberglass Reinforced Polyester (FRP) Panels", 3/32" thick, 48" wide x full height required. White color, pebbled high gloss surface texture. USDA approved for incidental

1. Panel trim: Extruded PVC, color matching panel color. Provide 1-1/2" x 1-1/2" outside and inside corners, edge trim, and division moldings as required to complete the

2. Sealant: Marlite "Silicone Sealant", white gunnable silicone sealant. VOC = 49 g/L. 3. Panel adhesive: Marlite "C-551" water-based construction adhesive for panel application

over porous surfaces. VOC = 2.6 g/L. 4. Panels must have a class C finish, except where installed in an exit enclosure or passageway where they must have a class B finish for sprinklered buildings and a class A finish in non-sprinklered buildings.

3.1 Installation

A. Install the FRP system products using panel adhesive in accordance with the manufacturer's instructions. 1. Install panels plumb, level, true and straight with no distortion; providing a continuous bead

of silicone sealant in each joint and trim groove and between trim and adjacent construction. 2. Provide corner trim, closure trim at intersections of dissimilar materials and moldings at DUNGAN DESIGN GROUP

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PERMIT ISSUE 05/06/22

A. Review requirements for sequencing of installation of weather barrier assembly with installation of windows,

B. Schedule installation of weather barrier materials and exterior cladding within nine months of weather

doors, louvers and flashings to provide a weather—tiget barrier assembly.

barrier assembly installation.

1.3 Quality Assurance A. Qualifications Installer shall have experience with installation of commercial weather barrier assemblies under similar

Test Method T-460; Air Resistance (Gurley Hill Method)

Test Method T—410; Grams of Paper and Paperboard (Weight per Unit Area)

2. Installation shall be in accordance with weather barrier manufacturer's installation guidelines and recommendations 3. Source Limitations: Provide commercial weather barrier and accessory materials produced by single

Install mock—up using approved weather barrier assembly including fasteners, flashing, tape and related accessories per manufacturer's current printed instructions and recommendations. Mock-up size: 10 feet by 10 feet. Mock-up substrate: Match wall assembly construction, including window opening.

Mock—up may remain as part of the work. 2. Contact manufacturer's designated representative prior to weather barrier assembly installation, to perform required mock—up visual inspection and analysis as required for warranty.

C. Pre-installation Meeting 1. Hold a pre—installation conference, two weeks prior to start of weather barrier installation. Attendees shall include Contractor, Architect, Installer, Owner's Representative and Weather Barrier Manufacturer's Designated Representative. 2. Review all related project requirements and submittals, status of substrate work and preparation,

areas of potential conflict and interface, availability of weather barrier assembly materials and components, installer's training requirements, equipment, faculities and scaffolding, and coordinate methods, procedures and sequencing requirements for full and proper installation, integration and

1.4 Delivery, Storage and Handling

manufacturer.

A. Refer to Section 01400 Quality Requirements.

B. Deliver weather barrier materials and components in manufacturer's original, unopened, undamaged containers with identification labels intact.

C. Store weather barrier materials as recommended by weather barrier manufacturer.

1.5 Scheduling

A. Review requirements for sequencing of installation of weather barrier assembly with installation of windows, doors, louvers and flashings to provide a weather—tiget barrier assembly.

B. Schedule installation of weather barrier materials and exterior cladding within nine months of weather barrier assembly installation.

1.6 Warranty A. Special Warranty

Special weather—barrier manufacturer's warranty for weather barrier for a period of ten (10) years 2. Pre—installation meetings and jobsite observations by weather barrier manufacturer for warranty are

required.

A. DuPont Building Innovations; 4417 Lancaster Pike, Chestnut Run Plaza 721, Wilmington, DE 19805;

1.800.44TYVEK (8-9835); http://construction.tyvek.com

A. Basis of Design: High—performance, spunbonded polyolefin, non—woven, non—perforated, weather barrier is

based upon DuPont Tyvek Commercial Wrap and assembly components. B. Performance Characteristics: 1. Air Penetration: 0.001 cfm/ft² at 75 Pa, when tested in accordance with ASTM E2178. Type 1 per

Water Vapor Transmission: 28 perms, when tested in accordance with ASTM E96, Mentod B. Water Penetration Resistance: 280 cm when tested in accordance with AATCC Test Method 127.

Air Resistance: Air infiltration at >1500 seconds, when tested in accordance with TAPPI Test Method Tensile Strength: 38/35 lbs/in., when tested in accordance with ASTM D882, Method A.

Basis Weight: 2.7 oz/yd², when tested in accordance with TAPPI Test Method T-410.

Tear Resistance: 12/10 lbs., when tested in accordance with ASTM D1117. Surface Burning Characteristics: Class A, when tested in accordance with ASTM E84. Flame Spread: 10, Smoke Developed: 10.

2.3 Accessories

A. Seam Tape: 3 inch wide, DuPont Tyvek Tape for commercial applications.

1. For steel frame construction - DuPost Tyvek Wrap Cap Screws, as manufactured by DuPont Building Innovations: 1-5/8 inch rust resistant screw with 2-inch diameter plastic cap or manufacturer approved 1-1/4" or 2" metal gasketed washer.

For wood frame construction — Tyvek Wrap Caps, as manufactured by DuPont Building Innovations: #4 nails with large 1—inch plastic cap fasteners.

For masonry construction — Masonry tap—con fasteners with Tyvek Wrap Caps as manufactured by DuPont Building Innovations: 2—inch diameter plastic cap fasteners.

Provide adhesive recommended by weather barrier manufacturer. Products: Liquid Nails LN-109 Polyglaze SM 5700

Denso Butyl Liquid 3M High Strength 90

Adhesives recommended by the wetaher barrier manufacturer.

Provide flashing manufacturer recommended primer to assist in adhesion between substrate and Products

3M High Strength 90 Denso Butyl Spray SIA 655

Permagrip 105 ITW TACC Sta' Put SPH

Primers recommended by the flashing manufacturer

DuPont FlexWrap, as manufactured by DuPont Building Innovations: flexible membrane flashing materials for window openings and penetrations.

DuPont StraightFlash, as manufactured by DuPont Building Innovations: straight flashing membrane materials for flashing windows and doors and sealing penetrations such as masonry ties, etc. DuPont StraightFlash VF, as manufactured by DuPont Building Innovations: dual—sided straight flashing

3.1 Examination

A. Verify substrate and surface conditions are in accordance with weather barrier manufacturer recommended tolerances prior to installation of weather barrier and accessories.

3.2 Installation—Weather Barrier

A. Install weather barrier over exterior face of exterior wall substrate in accordance with manufacturer recommendations.

membrane materials for brick mold and non-flanged windows and doors.

B. Install weather barrier prior to installation of windows and doors.

C. Start weather barrier installation at a building corner, leaving 6—12 inches of weather barrier extended beyond corner to overlap.

D. Install weather barrier in a horizontal manner starting at the lower portion of the wall surface with subsequent layers installed in a shingling manner to overlap lower layers. Maintain weather barrier plumb

E. Sill Plate Interface: Extend lower edge of weather barrier over sill plate interface 3-6 inches. Secure to foundation with elastomeric sealant as recommended by weather barrier manufacturer.

F. Window and Door Openings: Extend weather barrier completely over openings.

G. Overlap weather barrier Exterior corners: minimum 12 inches. 2. Seams: minimum 6 inches.

H. Weather Barrier Attachment: Attach weather barrier to studs through exterior sheathing. Secure using weather barrier

manufacturer recommended fasteners, space 12—18 inches vertically on cehter along stud line, and 24" inch on center, maximum horizontally. I. Apply 4 inch by 7 inch piece of DuPont StraightFlash or weather barrier manufacturer approved alternate to weather barrier membrane prior to installing cladding ahonors.

along the sill before adhering up the jambs.

Seal seams of weather barrier with seam tape at all vertical and horrizontal overlaping seams. Seal any tears or cuts as recommended by weather barrier manufacturer.

3.4 Opening Preparation (for use with non-flanged windows — all cladding types) Flush cut weather barrier at edge of sheathing around full perimeter of opening.

Tape top of window in accordance with manufacturer recommendations.

Cut a head flap at 45—degree angle in the weather barrier at window head to expose 8 inches of sheathing. Tempprarily secure weather barrier flap away from sheathing with tape.

A. Čut 9-inch wide DuPont FlexWrap or DuPont FlexWrap NF a minimum of 12 inches longer than width of sill rough opening. Apply primer as required by manufacturer. B. Cover horizontal sill be aligning DuPont FlexWrap edge with inside edge of sill. Adhere to rough opening across sill and up jambs a min imum of 6 inches. Secure flashing tightly into corners by working it

Fan DuPont FlexWrap at bottom corners onto face of wall. Firmly press in place. Mechanically fasten fanned adges. Mechanical fastening is not required for DuPont FlexWrap NF. Apply 9—inch wide strip of DuPont StraightFlash at jambs. Align flashing with interior edge of jamb

framing. Start DuPont StraightFlash at head of opening and lap sill flashing down to the sill. Spray—apply primer to top 6 inches of jambs and exposed sheathing Install DuPont FlexWrap or DuPont FlexWrap NF at opening head using same installation procedures used at

sill. Overlap jamb flashing a minimum of 2 inches. Coordinate flashing with window installation. H. On exterior, install backer—rod in joint between window frame and flashed rough framing. Apply sealant at jambs and head, leaving sill unsealed. Apply sealant in accordance with sealant manufacturer's instructions

and ASTM C 1193. I. Position weather barrier head flap across head flashing. Adhere using 4-inch wide DuPont StraightFlash over the 45-degree seams.

On interior, install backer rod in joint between frame of window and flashed rough framing. Apply sealant around entire window to create air seal. Apply sealant in accordance with sealant manufacturer's instructions and ASTM C 1193.

3.6 Field Quality Control A. Notify manufacturer's designated representative to obtain required periodic observations of weather barrier assembly installation.

3.7 Protection A. Protect installed weather barrier from damage.

SECTION 07540 - THERMOPLASTIC MEMBRANE (PVC) ROOFING

1.1 General: Provide the thermoplastic membrane (PVC) roofing system as shown and specified.

A. Standards: Materials and construction shall conform to following: 1. ASTM D5036 "Application of Adhered Poly(Vinyl Chloride) Sheet Roofing." 2. FM 1-29 Loss Prevention Data Adhered or Mechanically Attached Single Ply Membrane Roof

Systems.' 3. NRCA "Single-Ply Roofing Membrane."

4. UL "790 — Tests for Fire Resistance of Roof Covering Materials."

B. Installer Qualifications: An experienced roofing installer approved by roofing system manufacturer and with not less than five years of successful experience installing thermoplastic membrane roofing systems similar to those required for this project.

C. Deliver, store and handle roof system materials in accordance with manufacturer's recommendations to avoid damage and deterioration.

1. Comply with manufacturer's recommendations for handling and protection during installation. D. Install roofing work only when weather conditions are in compliance with manufacturer's specific environmental requirements and conditions will permit work to be performed in accordance with

manufacturer's recommendations and warranty requirements. 1. Protect adjacent materials and surfaces from damage and soiling during roofing system

2. Provide special protection on completed roofing work. Protect pavina and structure walls adiacent to hoists before startina work.

4. Do not overload the building structure with storage of materials or installation equipment on the substrate decking.

1. Contractor and roof system installer shall jointly warrant roofing materials and installation for a period of two years from the date of Substantial Completion. Warranty shall include roofing membrane, flashing, roof insulation, roofing accessories and sheet metal work provided under Section 07600.

2. Manufacturer's warranty: Submit executed copy of roofing system manufacturer's 15 year total system warranty, including labor and materials for the entire roof system.

2.1 Materials

A. Manufacturer: Duro-Last Roofing, Inc., (800) 248-0280, internet www.duro-last.com.

B. Thermoplastic single ply membrane roofing system: DL Membrane (PVC) fully adhered, smooth surface, UL Class A fire—rated single ply membrane roofing system. Color: White 1. Thermoplastic membrane: DL Membrane, thermoplastic fiber reinforced PVC membrane, not less than 40 mils (.040), complying with ASTM D4434 and membrane manufacturer's

published physical properties. The roof covering design must resist a wind load of 100 mph, Exposure C and shall resist impact damage based on results of tests based on the results of tests conducted in accordance with ASTM 03746, ASTM 04272, CGSB 37-GP-52M 2. Insulation cover board: Georgia—Pacific Corp. (800) 284—5347, internet www.gp.com,

"Dens—Deck" nonstructural fiberglass—faced, silicone—treated gypsum core panels, 1/2"

3. Roof insulation: Rigid closed cell polyisocyanurate boards approved by the membrane manufacturer; complying with ASTM C1289, Type II, minimum 20 psi compressive strength, aged R-value equal 5.6 per inch of thickness. a. Provide rigid insulation crickets at roof—mounted equipment curbs & roof drains to provide positive drainage.

4. Flashing: Roof system manufacturer's standard sheet flashing of same material, type, and color as sheet membrane.

5. Membrane Bonding Adhesive: Roof system manufacturer's standard membrane bonding

6. Cover Board Adhesive: Dow Chemical Company, (888) 868—1183, internet www.flexibleproducts.com, "INSTA-STIK Professional Roof Insulation Adhesive", a single component, moisture cured polyurethane adhesive.

Fasteners: Roof system manufacturer's standard fasteners for project conditions indicated. 8. Accessories: Roof system manufacturer's recommended pourable sealers, preformed penetration flashing, preformed corner flashing, seam caulk, termination bars and other accessories required for substrate surfaces and installation conditions indicated.

9. Traffic walkways: Duro-Last Roof Track II walkway pads.

3.1 Installation

A. Preparation:

Clean substrate surfaces of debris and other substances detrimental to roofing installation. 2. Correct unsatisfactory conditions before starting roofing. Roof deck surface conditions shall comply with manufacturer's requirements and be acceptable to the roofing system installer.

1. General: Provide roofing system materials and installation complying with roofing system

manufacturer's instructions and governing codes and regulations. a. Mix and apply roof insulation and cover board adhesive in strict accordance with the adhesive manufacturer's installation instructions. Dispense adhesive at manufacturer's recommended application rate using approved dispensing equipment.

a. Extend insulation full thickness over entire surface to be insulated. Cut and fit around obstructions; fill all voids with insulation. Provide saddles and tapered edges as required to provide positive proper drainage.

b. Install and secure in place with insulation adhesive, a double layer of insulation units of the required thickness. Run long joints of insulation in continuous straight lines, perpendicular to roof slope, with end joints staggered between rows. Stagger joints of each layer of insulation. Butt edges to moderate contact. Limit joints between adjacent units to maximum 1/4".

3. Insulation cover board: Install and secure in place with insulation adhesive a single layer of insulation cover board on installed roof insulation. Secure cover board in accordance with membrane manufacturer's recommendations. Stagger joints with joints of roof insulation. 4. Thermoplastic membrane: Comply with membrane manufacturer's instructions and

recommendations for handling and installing single ply membrane roofing. a. Unroll and position roofing sheet membrane without stretching. Align top sheet with pr-marked lines on bottom sheet. Allow membrane to "relax" for at least 30 minutes before adhering, splicing and flashing.

b. Adhere membrane to insulation cover board with bonding adhesive. Broom bonded membrane to achieve maximum contact. c. Join membrane seams using approved heat welding equipment. Check all splices for

voids and repair voids with heat gun and roller. d. When required, mechanically fasten membrane at roof perimeter, curb flashing and similar penetrations in accordance with manufacturer's installation instructions. e. Flash and make weathertight all equipment curbs, pipes, conduits, drains and other penetrations or projections through sheet roofing using roofing system manufacturer's

recommended flashing materials, accessories and procedures. Install roof accessories and traffic walkways in accordance with manufacturer's instructions. 6. Install sheet metal work furnished under Section 07600.

SECTION 07600 - FLASHING AND SHEET METAL

1.1 General: Provide flashing and sheet metal work as shown and specified.

A. Standards: Materials and construction shall conform to following: 1. SMACNA "Architectural sheet Metal Manual-1993."

B. Installation: Performed under Section 07540 work.

2.1 Materials:

A. Prefinished sheet metal: ASTM A653 commercial quality sheet steel with 0.2 % copper, G90 hot—dip galvanized coating. Visible side primed and coated with Hylar 5000/Kynar 500 fluoropolymer coating system of 1.0 (+/-0.1) mil total dry film thickness (AAMA 621-02 compliant). Non-visible side wash coated with 0.3-0.4 mil dry film thickness. Gage indicated. 1. Scuppers: Minimum 16 gage.

2. Coping/Wall caps: Minimum 18 gage.

B. Joint sealers: One—component silicone elastomeric joint sealant complying with ASTM C920. Color matched to sheet metal finish.

C. Metal accessories: Provide sheet metal fasteners, clips, straps, anchoring devices and similar accessory units as required for installation of work, matching or compatible with material installed, non-corrosive, size and gage as required for performance and acceptable to the Architect.

D. Fabrication: Shop fabricate sheet metal work to comply with profiles and sizes indicated and to comply with standard industry standards as shown by SMACNA in the "Architectural Sheet Metal

Manual." Conductor boxes: SMACNA Chapter 1 - Roof Drainage Systems. Profile and size indicated

Fig 1-25. 2. Scuppers: SMACNA Chapter 1 — Roof Drainage Systems. Profile and size indicated Fig 1—20.

3. Downspouts: SMACNA Chapter 1 - Roof Drainage Systems. Profile and size indicated. Installation Fig. 1-31 with strap hanger Fig. 1-35.

4. Formed coping/wall caps: SMACNA Chapter 3 — Copings. Design Fig 3—1. Profile and size indicated with Fig. 3-3 butt joints and concealed back-up plates. Install formed copings with continuous cleat fasteners similar to Fig 3-1 at exposed face and screw fasteners with washers space maximum 24" on center at roof side.

3.1 Installation:

A. Preparation: Coordinate sheet metal work with other work for the correct sequencing of items which make up the entire roof system of weatherproofing and rain drainage.

B. Installation: Comply with SMACNA "Architectural Sheet Metal Manual" recommendations, drawing details and approved shop drawings for installation of the work. 1. Anchor sheet metal items securely in place by methods indicated, providing for thermal expansion. Conceal fasteners and expansion provisions whenever possible. Install joint

sealants where required. 2. Set units true to lines and levels indicated. Install work with sealed laps, joints and seams that will be permanently watertight and weatherproof. Bed flanges of sheet metal work in thick coat of roofing cement or sealant compatible with roofing membrane.

3. Separate sheet metal work from dissimilar metals and treated wood materials. Provide

rosin-sized paper slipsheet over treated wood. 4. Fabricate, support and anchor conductor boxes and downspouts to withstand thermal expansion, stresses and full loading by ice or water without damage, deterioration or

SECTION 07900 - JOINT SEALERS

1.1 General: Provide joint sealers as shown and specified.

A. Standards: Comply with ASTM C 920 requirements

B. Application: Performed by skilled, experienced joint sealant applicators.

2.1 Materials:

A. Polyurethane sealants: Tremco Commercial Sealants, (800) 321-7906, internet

www.tremcosealants.com. "Dymonic FC" One component, fast skinning, Low Modulus Polyurethane. VOC = 6 g/L. 2. "Dymonic 240 FC" Multi component, gun grade, chemically curing, tintalbe fast setting polyurethane sealant. VOC = 1 g/L.

B. Silicone sealants: General Electric Silicones (800) 295—2392, internet www.gesilicones.com. 1. "SCS1700 Sanitary" — Mold/Mildew Resistant Silicone", one component 100% silicone, fungicidal

based. VOC = 20 g/L. 2. "SCS2000 Silpruf Silicone" one component medium modulus, natural cure silicone all purpose

sealant. VOC = 20 g/L. 3. "Silglaze II SCS2800" — Glazing Sealant" one component, 100% silicone based sealar.

VOC = 33 g/L. 4. "GE Paintable Silicone" one component paintable silicone. VOC = 10 g/L.

5. "Dow 795" — one component, medium modulus, natural cure silicone. VOC = 10 g/L.

"3M Fire Barrier CP 25WB+ Caulk" or an approved equal one-component, intumescent

C. Firestopping sealants: 3M Fire Protection Products, (800) 328—1687, internet www.3M.com/firstop,

latex/water-based caulk. D. Joint backing: Non-absorptive, non-staining, non-gassing, polyetylene foam backer rod compatible with joint sealant, oversized 30%.

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7. Fire Rated Walls: a. Provide a continuous bead of 3M 25WB+ at wall/ceiling penetrations in rated walls.

1. Provide a continuous bead or urethane sealant and backer rod at the following loations, color

to be matched to adjacent surfaces: a. Hollow metal door frame perimeter.

b. EIFS joints to abutting surfaces. c. Brick/Stone control joints. Sidewalk/soncrete expansion joints. Aluminum frame perimeters.

E. Weather Barrier Sealants: 1. Provide sealants that comply with ASTM C920, elastomeric polymer sealant to maintain watertight conditions.

2. Products: a. Tremco 830 Tremco Butyl

c. Sealants recommended by the weather barrier manufacturer.

DIVISION 8 - DOORS AND WINDOWS

SECTION 08110 - STEEL DOORS AND FRAMES

1.1 General: Provide steel doors and frames as shown and specified. A. Standards: Materials and construction shall conform to the following:

> 2. ANSI A250.11-01 "Erection Instructions for Steel Frames." 3. SDI 122-99 "Installation for Standard Steel doors and Frames.

1. ANSI A250.8—2009 "Specifications for Standard Steel Doors and Frames."

B. Manufacturer: A member of the Steel Door Institute (SDI).

2.1 Materials:

1. Interior: Heavy—duty Level 2, physical performance B, Model 2 seamless construction, ASTM A1008, 18 gage cold—rolled steel face sheets, manufacturer's standard core.

2. Exterior: Extra heavy-duty Level 3, physical performance A, Model 2 seamless construction, ASTM A1008, 16 gage cold—rolled steel face sheets; tops and bottoms closed with flush galvanized steel caps, manufacturer's standard plastic foam insulating core.

B. Steel Frames: ASTM A1008, 16 gage cold—rolled steel. 1. Provide combination buck, jamb and trim type frames for 1-3/4" thick doors, unless otherwise

2. Interior and exterior frames: Set-up welded type with mitered corners, reinforced, fully seam welded with exposed welds ground smooth.

C. Door and frame fabrication: Provide cutouts for mortised hardware, accurately located and made to fit hardware. Provide

closer reinforcement for all doors with surface mounted door closers. Punch frames and factory install rubber door silencers.

Provide minimum three anchors of suitable design for each jamb. 4. Provide floor clip on bottom of each jamb. Provide angle spreaders at bottom of each set—up frame.

1. Shop painted. Clean and paint exposed surfaces of steel door and frame units. Apply one baked—on shop coat of rust—inhibitive prime paint in accordance with ANSI A250.10. Provide a uniformly finished surface ready to receive finish paint.

3.1 Installation:

A. Install frames plumb, level, rigid, and in true alignment as recommended in ANSI A250.11.

B. Install doors plumb and in true alignment and fastened to achieve the maximum operational effectiveness and appearance as recommended in SDI 122.

SECTION 08415 - ALUMINUM ENTRANCES AND STOREFRONTS

1.1 General: Provide aluminum entrances and storefronts as shown and specified.

1.2 Related Documents:

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this section.

B. Standards: Materials and construction shall conform to the following: 1. AAMA SFM—1—87 "Aluminum Storefront and Entrance Manual."

1.3 Summary:

A. Section Includes:

1. Kawneer Architectural Aluminum Storefront Systems, including perimeter trims, stools, accessories, shims and anchors, and perimeter sealing of storefront units. Kawneer Aluminum Entrances, glass and glazing, and components

1.4 Performance Requirements:

A. General Performance: Aluminum—framed storefront system shall withstand the effects of the following performance requirements without exceeding performance criteria or failure due to defective manufacture, fabrication, installation, or other defects in construction;

1. Design Wind Loads: Determine design wind loads applicable to the Project from basic wind speed indicated in miles per hour, according to ASCE 7, Section 6.5, "Method 2—Analytical Procedure," based on mean roof heights above grade indicated on Drawings. a. Basic Wind Speed (MPH): Determine to meet local codes listed on A000

b. Importance Factor: (1.00)

c. Exposure Category (A, B, C, D): Determine to meet local codes listed on A000

B. Storefront System Performance Requirements: 1. Wind loads: Provide storefront system; include anchorage, capable of withstanding inward and outward wind load design pressures meeting local codes listed on sheet A000.

> a. Air Infiltration for storefront frame system: The test specimen shall be tested in accordance with ASTM E 283. Air infiltration rate shall not exceed 0.06 cfm/ft. sq. at a static air pressure differential of 6.24 psf.

> b. Air Infiltration for storefront entrances: For single acting offset pivot or butt hung entrances in the closed and locked position, the test specimen shall be tested in accordance with ASTM E 283 at a pressure differential of 6.24 psf (300 Pa) for single doors and 1.567 psf (75 PA) for pairs of doors. A single 3'0" x 7'0" entrance door and frame shall not exceed 0.50 cfm per square foot. A pair of 6'0" x 7'0" entrance doors and frame shall not exceed 1.0 cfm per square foot.

Water Resistance: The test specimen shall be tested in accordance with ASTM E 331. There shall be no leakage at a minimum static air pressure differential of 8 psf as defined in AAMA 501.

4. Uniform Load: A static air design load of 20 psf shall be applied in the positive and negative direction in accordance with ASTM E 330. There shall be no defection in excess of L/175 of the span of any framing member. At a structural test load equal to 1.5 times the specified design load, no glass breakage or permanent set in the framing members in excess of 0.2% of their clear spans shall occur.

5. Thermal Transmittance (U-factor): When tested to AAMA Specification 1503, the thermal transmittance (U-factor) shall be not more than: a. Glass to Exterior — 0.47 (low-e)

6. Condensation Resistance (CRF): When tested to AAMA Specification 1503, the condensation resistance factor shall not be less than: a. Glass to Exterior — 70 frame and 69 glass (low—e)

7. Sound Transmission Class (STC) and Outdoor—Indoor Transmission Class (OITC): When tested to AAMA Specification 1801 and in accordance with ASTM E1425 and ASTM E90, the STC and OITC Rating shall not be less than: a. Glass to Exterior — 38 (STC) and 31 (OITC)

1.5 Submittals (required only if changing from the specified system):

A. Product Data: Include construction details, material descriptions, dimensions of individual components and profiles, hardware, finishes, and installation instructions for each type of aluminum frame storefront system and storefront entrance doors indicated.

B. Shop Drawings: Include plans, elevations, sections, details, hardware, and attachments to work, operational clearances and installation details.

C. Samples for Initial Selection: For units with factory—applied color finishes including samples of hardware and accessories involving color section.

1.6 Quality Assurance

A. Do not modify intended aesthetic effects, as judged solely by Architect, except with Architect's approval. If modifications are proposed, submit comprehensive explanatory data to Architect for

B. Installer Qualifications: An installer which has had successful experience with installation of the same or similar units required for the project and other projects of similar size and scope

C. Manufacturer Qualifications: A manufacturer capable of providing aluminum framed storefront system that meet or exceed performance requirements indicated and of documenting this performance by inclusion of rest reports, and calculations.

D. Source Limitations: Obtain aluminum framed storefront system and storefront entrance doors through one source from a single manufacturer.

E. Product Options: Drawings indicate size, profiles, and dimensional requirements of aluminum framed storefront system and are based on the specific system indicated. Do not modify size and dimensional requirements.

1.7 Project Conditions:

A. Field Measurements: Verify actual dimensions of a aluminum framed storefront openings by field measurements before fabrication and indicate field measurements on Shop Drawings.

A. Manufactures Warranty: Submit, for Owner's acceptance, manufacturer's standard warranty. 1. Warranty Period: Two (2) years from Date of Substantial Completion of the project provided however that the Limited Warranty shall begin in no event later than six months from date of shipment by manufacturer.

2.1 Manufacturers:

A. Manufacturer: Kawneer Company Inc., Contact: Cheryl Wilkerson, Phone: 317-771-9263; email:cheryl.wilkerson@alcoa.com

B. Basis-of-Design Product Storefront Framing: 1. Trifab 451T (thermal) Storefront System 2. 2" x 4-1/2" System Dimensions

3. Glass: Exterior (Front-Set)

C. Basis-of-Design Product Storefront Entrances: 1. The door stile and rail face dimensions of the 500—Wide Stile entrance door will be as follows or as indicated on Drawings: Door: 500; Vertical Stile: 5"; Top Rail: 5"; Bottom Rail:

2. Major portions of the door members to be 0.125" nominal in thickness and glazing molding to be 0.05" thick.

3. Glazing gaskets shall be either EPDM elastometric extrusions or a thermoplastic elastomer. 4. Provide adjustable glass jacks to help center the glass in the door opening.

2.2 Materials:

A. Refer to section 2.9 for storefront finish

B. Aluminum Frame Extrusions: Alloy and temper recommended by aluminum storefront manufacturer for strength, corrosion resistance, and application of required finish and not less than 0.070" wall thickness at any location for the main frame and complying with ASTM B 221: 6063-T6 alloy and temper.

C. Aluminum Storefront Entrance Extrusions:Alloy and temper recommended by aluminum-framed alass door manufacturer for strength, corrosion resistance, and application of required finish and not less than 0.090" wall thickness at any location for the main frame and sash members.

D. Fasteners: Aluminum, nonmagnetic stainless steel or other materials to be non-corrosive and compatible with aluminum window and door members, trim hardware, anchors, and other components.

E. Anchors, Clips, and Accessories: Aluminum, nonmagnetic stainless steel, or zinc—coated steel or iron complying with ASTM B 633 for SC 3 severe service conditions, or other suitable zinc coating; provide sufficient strength to withstand design pressure indicated.

F. Reinforcing Members: Aluminum, nonmagnetic stainless steel, or nickel/chrome-plated steel complying with ASTM B 456 fro Type SC 3 severe service conditions, or zinc-coated steel or iron complying with ASTM B 633 for SC 3 severe service conditions or other suitable zinc coating; provide sufficient strength to withstand design pressure indicated.

G. Sealant: For sealants required within fabricated storefront system, provide permanently elastic, non—shrinking, and non—migrating type recommended by sealant manufacturer for joint size and movement.

H. Tolerances: Reference to tolerances for wall thickness and other cross—section dimensions of storefront members are nominal and in compliance with AA Aluminum Standard Data.

2.3 Storefront Framing System:

A. Thermal Barrier (Trifab VG-41T):

1. Kawneer IsoLock Thermal Break with a 1/4" separation consisting of a two-part chemically curing, high-density polyurethane, which is mechanically and adhesively joined to aluminum a. Thermal Break shall be designed in accordance with AAMA TIR—A8 and tested in accordance with AAMA 505.

B. Brackets and Reinforcements: Manufacturer's standard high—strength aluminum with nonstaining, nonferrous shims for aligning system components.

C. Fasteners and Accessories: Manufacturer's standard corrosion—resistant, nonstaining, nonbleeding fasteners and accessories compatible with adjacent materials. Where exposed shall be stainless

D. Perimeter Anchors: When steel anchors are used, provide insulation between steel material and aluminum material to prevent galvanic action.

E. Packing, Shipping, Handling and Unloading: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.

F. Storage and Protection: Store materials protected from exposure to harmful weather conditions. Handle storefront material and components to avoid damage. Protect storefront material against damage from elements, construction activities, and other hazards before, during and after storefront installation.

2.4 Glazing Systems:

A. Glazing: As specified in Section 08800 — Glazing.

B. Glazing Gaskets: Manufacturer's standard compression types; replaceable, extruded EPDM rubber.

C. Spacers and Setting Blocks: Manufacturer's standard elastomeric type.

D. Bond—Breaker Tape: Manufacturer's standard TFE—fluorocarbon or polyethylene material to which sealants will not develop adhesion.

E. Glazing Sealants: For structural—sealant—glazed systems, as recommended by manufacturer for joint type, and as follows: Structural Sealant: ASTM C 1184, single-component neutral-curing silicone formulation that is compatible with system components with which it comes in contact, specifically formulated and tested for use as structural sealant and approved by a structural—sealant manufacturer for use in caluminum—framed systems indicated. a. Color: Black

2. Weatherseal Sealant: ASTM C 920 for Type S, Grade NS, Class 25, Uses NT, G, A, and O; single-component neutral-curing formulation that is compatible with structural sealant and other system components with which it comes in contact; recommended by structrual—sealant, weatherseal—sealant, and aluminum—framed—system manufacturers for this use. a. Color: Matching structural sealant.

2.5 Entrance Door Hardware is specified in Section 08710 Door Hardware.

2.6 Joint Sealants are specified in section 07900 — Joint Sealers

2.7 Storefront Framing Fabrication:

A. Framing Members, General: Fabricate components that, when assembled, have the following

characteristics: Profiles that are sharp, straight, and free of defects or deformations. Accurately fit joints; make joints flush, hairline and weatherproof.

4. Means to drain water passing joints, condensation within framing members, and moisture migrating within the system to exterior.

Physical and thermal isolation of glazing from framing members. 6. Accommodations for thermal and mechanical movements of glazing and framing to

maintain required glazing edge clearances. Provisions for field replacement of glazing. 8. Fasteners, anchors, and connection devices that are concealed from view to greatest extent

B. Mechanically Glazed Framing Members: Fabricate for flush glazing without projecting stops.

C. Structural—Sealant—Glazed Framing Members: Include accommodations for using temporary support device to retain glazing in place while structural sealant cures.

D. Storefront Framing: Fabricate components for assembly using manufacturers standard installation

E. After fabrication, clearly mark components to identify their locations in Project according to Shop

2.8 Storefront Entrance Door Fabrication:

A. Fabricate aluminum-framed glass entrance doors in sizes indicated. Include a complete system for assembling components and anchoring doors.

B. Fabricate aluminum-framed glass doors that are reglazable without dismantling perimeter framing. 1. Door corner construction shall consist of mechanical clip fastening, SIGMA deep penetration plug welds and 1-1/8" long fillet welds inside and outside of all four corners. Glazing stops shall be hook—in type with EPDM glazing gaskets reinforced with non-stretchable

Accurately fit and secure joints and corners. Make joints hairline in appearance.

Prepare components with internal reinforcement for door hardware. Arrange fasteners and attachments to conceal from view.

C. Weather Stripping: Provide weather stripping locked into extruded grooves in door panels or frames as indicated on manufactures drawings and details.

2.9 Aluminum Finishes:

A. Finish designations prefixed by AA comply with the system established by the Aluminum Association for designating aluminum finishes.

B. Factory Finishing: 1. Kawneer Permafluor (70% PVDF), AAMA 2605, Fluoropolymer Coating (Color: Charcoal or as

3.1 Examination:

noted on Drawings)

A. Examine openings, substrates, structural support, anchorage, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of work. Verify rough opening dimensions, levelness of sill plate and operational clearances. Examine wall flashings, vapor retarders, water and weather barriers, and other built-in components to ensure a coordinated, weather tight framed aluminum storefront system installation.

1. Masonry Surfaces: Visibly dry and free of excess mortar, sand, and other construction

2. Wood Frame Walls: Dry, clean, sound, well nailed, free of voids, and without offsets at joints. Ensure that nail heads are driven flush with surfaces in opening and within 3 inches

3. Metal Surfaces: Dry; clean; free of grease, oil, dirt, rust, corrosion, and welding slag;

without sharp edges or offsets at joints. 4. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 Installation:

A. Comply with Drawings, Shop Drawings, and manufacturer's written instructions for installing aluminum framed storefront system, aluminum swing storefront entrance doors, accessories, and other components.

B. Install aluminum framed storefront system and storefront doors level, plumb, square, true to line, without distortion or impeding thermal movement, anchored securely in place to structural support, and in proper relation to wall flashing and other adjacent construction.

C. Set sill members and door threshold in bed of sealant or with gaskets, as indicated, for weather tight construction.

D. Install aluminum framed storefront system and components to drain condensation, water

penetrating joints, and moisture migrating within sliding door to the exterior. Refer to section 07900 - Joint Sealers.

E. Separate aluminum and other corrodible surfaces from sources of corrosion or electrolytic action at points of contact with other materials. F. Install aluminum storefront framing system glass and glazing, in accordance with section 08800

3.3 Adjusting, Cleaning, and Protection:

and the manufacturer's requirements.

A. Clean aluminum surfaces immediately after installing aluminum framed storefronts. Avoid damaging protective coatings and finishes. Remove excess sealants, glazing materials, dirt, and other

B. Clean glass immediately after installation. Comply with glass manufacturer's written recommendations for final cleaning and maintenance. Remove nonpermanent labels, and clean

C. Remove and replace glass that has been broken, chipped, cracked, abraded, or damaged during construction period.

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05/06/22

until final acceptance.

DIVISION 9 - FINISHES

SECTION 09260 - GYPSUM BOARD SYSTEMS

- 1.1 General: Provide gypsum board systems as shown and specified.
- A. Standards: Materials and installation shall conform to the following:
 - 1. GA 214-90 "Levels of Gypsum Board Finish." 2. GA-216 "Specifications for Application and Finishing of Gypsum Board."
- 3. USG "SA923 Drywall/Steel Framed Systems."

2.1 Materials:

- A. Manufacturer: United States Gypsum Co. (USG), (800) 874-4968, internet www.usg.com.
- B. Metal framing: Comply with ASTM C 754 and ASTM C 645 for materials and sizes.
 - Studs: Galvanized steel, C-shaped, size, gage and type as indicated. Runners: Match studs, type recommended by stud manufacturer for floor and ceiling support of studs. Provide flexible ceiling runners for full height metal stud framed partitions continuous from floor to underside of structural members or deck above.
- C. Ceiling and Soffit metal framing/suspension systems:

1. Partition metal framing:

- Small areas: Metal stud framing of appropriate size and gage for spans indicated. 2. Large areas: Furring channel "Grillage" or "Direct Suspension System" designed for
- concealed support of gypsum board ceilings, of proper type for use indicated. 3. Furring members: 20 gage, galvanized steel screw type, hat—shaped furring.
- D. Gypsum board panels: USG "Sheetrock" complying with ASTM C1396, tapered edge face panels, 48" wide, in maximum lengths available to minimize end joint conditions, 5/8" thick.
 - General use panels: Sheetrock Regular panels. Fire rated panels: Sheetrock Firecode Core panels.
- Water-resistant: panels: Sheetrock HUMITEK panels.

E. Cement board: USG DUROCK Cement Board, 5/8" thick x manufacturer's standard width.

F. Fasteners: USG Type "S" bugle head screws for metal framing, USG Type "W" bugle head screws for wood framing, manufacturer's recommended length for panel thickness indicated.

complying with ANSI A118.9, and in maximum lengths available to minimize end-to-end butt

- G. Trim: Galvanized steel with knurled and perforated flanges. USG Dur-A-Bead corner bead, No. 200B casing bead metal trim, No. 093 Control Joint.
- H. Joint treatment: USG Joint Treatment System, utilizing "Sheetrock Brand Joint Tape", and "Sheetrock Brand Setting—Type (DURABOND)" compound for tape bedding and topping.
- I. Adhesives: USG "Sheetrock Brand Setting-Type (DURABOND) 210 or 90" compound for tape
- bedding and topping. VOC = 0 g/L.
- J. Acoustical sealant: USG Sheetrock Acoustical Sealant, water—base type, gunnable sealant for sealing sound—rated gypsum board systems. VOC < 15 g/L.
- K. Sound attenuation insulation: USG Thermafiber unfaced 3-1/2" thick, mineral fiber insulating batts/blankets; standard lengths and widths required to coordinate with spaces insulated.

- A. Install metal wall and partition framing and ceiling suspension/ support systems in accordance with USG Bulletin SA 923 and complying with ASTM C754.
 - 1. Ceiling suspension/ support systems: Metal furring system/direct suspension or steel stud framing system.
- - a. Install steel studs per schedule or at spacing indicated with bottom and top runner tracks anchored to substrates. Provide flexible ceiling runner tracks at full height
 - Terminate partition stud system 4" above ceilings, except where indicated to be extended to structural support or roof deck above. Brace tops of partition framing to
 - structure or roof deck at maximum 4'-0" on center spacing Frame openings more than 2'-0" wide with two 20 gage study at each jamb. Coordinate the installation of supplementary blocking and nailers, provided under Section 06100 work, to support shelving, millwork, toilet accessories, and similar work
- B. Application and Finishing: Install and finish gypsum board to comply with ASTM C 840 and Gypsum Association GA 216 "Recommended Specifications for the Application and Finishing of Gypsum Board." Screw fasten all gypsum board panels.

that cannot be adequately supported by gypsum board alone.

- Metal Trim: Install metal corner beads at external corners of gypsum board work and metal trim wherever edge of gypsum board would be exposed. Use longest practical lengths.
- 3. Control Joints: Locate and install control joints in accordance with USG Bulletin SA923 "Good Design Practice" recommendations.

C. Acoustical Treatment:

- 1. Where sound—attenuation insulation is indicated, seal gypsum board construction at perimeters, control joints, junction boxes, openings and penetrations with a continuous bead
- of acoustical sealant including a bead at both faces of partitions. 2. Install sound attenuation insulation at scheduled partitions and ceilings. Install insulation in single layer of required thickness. Extend full thickness over entire area to be insulated. Cut and fit tight around obstructions. Fill all voids.
- 3. At openings and cutouts, fill open spaces between edges of gypsum board and fixtures, cabinets, ducts, and other flush or penetrating items, with continuous bead of acoustical
- 4. Seal sides and backs of electrical boxes to completely close up openings and joints with a bead of acoustical treatment.

D. Finishing:

- 1. Comply with manufacturer's instructions for mixing, handling, and application of materials. Apply treatment at joints both directions, at flanges of trim accessories, penetrations of gypsum board (electrical boxes, piping, and similar work), fastener heads, surface defects, and elsewhere as indicated. Apply in manner that will result in each of these items being
- concealed when applied decoration has been completed. 2. Apply joint tape at joints between gypsum boards, except where trim accessories are
- 3. Interior Exposed Gypsum Board Finish: Level 4 Finish.
- a. Locations: Typical for all walls and ceilings, unless otherwise indicated Finish interior gypsum board by applying the following joint compounds in three coats (not including prefill of openings in base), and sand between coats and after last
- Embedding and First Coat: Setting—type joint or taping compound.
- d. Fill (Second) Coat: Setting—type topping compound.
- e. Finish (Third) Coat: Setting—type topping compound.
- 4. Interior Concealed Gypsum Board: Level 3 Partial Finishing.
- a. Finish concealed gypsum board construction that requires finishing same as exposed gypsum board construction, except the third coat and sanding can be omitted.
- E. Cement Board: Install cement board as a 16" high base at all kitchen and kitchen cook line wall types. Joint finish not required.

SECTION 09340 - CERAMIC TILE / THIN BRICK VENEER

- 1.1 General: Provide ceramic wall tile as shown and specified.
 - A. Standards: Materials and installation shall conform to the following:
 - 1. ANSI A137.1 "Ceramic Tile."
 - 2. TCA "Handbook for Ceramic Tile Installation."

2.1 Materials:

- A. Manufacturers:
 - Ceramic Tile: Daltile, P: (877) 556-5728, internet: http://daltile.com 2. Thin Brick Veneer:
 - B. Ceramic Tile Color Wheel Glazed Ceramic:
 - Kitchen Tile or as noted in plans a. Color — Arctic White 0190, Semi—Gloss, Size — 3 x 6, Pattern — Running Bond 2. Bar Tile or as noted in plans

a. Color - Black K111, Semi-Gloss, Size - 3 x 6, Pattern - Running Bond

B. Thin Brick

- D. Setting Adhesive: Thinset Mortar, Mapei, Ultraflex LFT Gray
 - Kitchen Tile or as noted in plans

a. Mapei, Series — Flexcolor CQ

a. Mapei, Series — Flexcolor CQ — Gray #09, 1/8" grout joints. 2. Bar Tile or as noted in plans

3.1 Installation

- A. Preparation: Clean substrate surfaces, scheduled to receive ceramic tile thoroughly and remove all coatings that may impair bond.
 - Protect surrounding work from damage. Remove any curing compounds or other contaminates.
- Vacuum clean surfaces and damp clean. Install cementitious backer board in accordance with ANSI A108.11 and board manufacturer's instructions. Tape joints and corners, cover with skim coat of dry-set mortar to a feather edge.
- 5. Prepare substrate surfaces for adhesive installation in accordance with adhesive manufacturer's instructions.

B. Kitchen/Bar

- Lay tile in horizontal running bond, starting pattern with a full tile at the ceiling plane. Arrange pattern so that a full tile or joint is centered on each wall horizontally and that no tile less than 1/2 width is used at the ends of the wall. Exception: when one end of the wall is a tile—to—gypsum board transition. Do not interrupt tile pattern through
- Use specified stainless steel corner guards at tile—to—tile and tile—to—FRP outside corners. Use corner bead of 100% silicone sealant, color to match grout, at inside corners where
- tile meets tile. 5. Use corner bead of 100% silicone sealant, white, at inside corners where tile meets paint
- gyp. board, tile meets FRP or tile meets aliuminum. Cut and fit tile to penetrations through tile, leaving sealant joint space. Place tile joints uniform in width, subject to variance in tolerance allowed in tile size. Make joints
- watertight, without voids, cracks, excess mortar, or excess grout. Sound tile after setting. Replace hollow sounding units.
- Keep expansion joints free of adhesive or grout. Allow tile to set for a minimum of 48 hours prior to grouting. Apply sealant to junction of tile and dissimilar materials and junction of dissimilar planes.
- 9. Clean tile and grout surfaces.

SECTION 09510 - SUSPENDED CEILING SYSTEMS

- 1.1 General: Provide acoustical ceiling systems as shown and specified.
 - A. Standards: Materials and installation shall conform to the following: 1. CISCA "Acoustical Ceilings — Use and Practice." ASTM C635
 - 3. ASTM C636
- B. Related Sections: 1. 09515: Cementitious Wood Fiber Acoustical Panels: Suspension System

2.1 Materials:

- A. Manufacturer: USG Interiors, Inc., (800) 950—3839, internet www.usg.com
- B. Ceiling Panels: USG "Sheetrock Lay—In ClimaPlus No. 3270" ceiling panels with white, stipple texture, vinyl facing, $24" \times 48" \times 1/2"$.

C. Suspension Systems:

- Provide heavy duty, structural class direct—hung systems adequate to support light fixtures, ceiling diffusers and other normal accessories. 1. Exposed "Tee" Grid System for use with Lay—In Ceiling Panels: USG "Donn DX System" non—fire rated with 15/16" exposed face, cold—rolled galvanized steel with aluminum face cap, white
- paint finish on exposed surfaces. Provide hemmed edge aluminum wall angles, 15/16" exposed leg, white paint finish matching exposed grid. 2. Concealed "Tee" Grid System for use with Painted Gypsum Board Systems and Soffits or with Cementitious Wood Fiber Acoustical Panels (Tectum):
- USG "DGLW" Heavy Duty Drywall Suspension System with 1 5/8" deep by 1 1/2" wide main tees and $1 \frac{1}{2}$ deep by $1 \frac{1}{2}$ wide cross tees. 3. Hanger Wire:
- No. 12 SWG galvanized steel wire.

borders and penetrations.

3.1 Installation

- A. Install acoustical ceiling materials and suspension systems in strict accordance with manufacturer's recommendations, complying with governing regulations and industry standards applicable to the work.
- B. Suspension system installation shall be laser leveled with a maximum surface leveling tolerance of 1/8" in 12'-0".
- C. Install exposed Tee suspension systems with main tees nominally 12' long spaced 48" O.C. and cross tees nominally 4' long spaced 24" O.C. D. Install concealed Tee suspension systems with main tees nominally 12' long spaced 24" O.C. and
- cross tees nominally 2' long spaced 48" O.C. E. Hanger wire shall be placed 48" O.C. along main tees, at all four corners of light fixtures (where
- applicable), at midpoint of cross tees adjacent to light fixtures and duct outlets, and adjacent to main tee splices.

F. Secure wire hangers by looping and wire—tying either directly to building structure or to building

- hangers that are secure and appropriate for substrate. G. Provide edge trim molding at perimeter of suspended ceiling installation and intermediate vertical surfaces. Use maximum lengths. Miter trim corners to provide tight, accurate joints. Connect
- moldings securely to substrate surfaces. H. Install Lay—In panels in uniform, with joints snug and square and panels free from damage or soiling. Fit border units neatly against abutting surfaces. Scribe and cut panels to fit accurately at

SECTION 09653 - RUBBER WALL BASE

- 1.1 General: Provide resilient rubber wall base as shown and specified.
 - A. Standards: Materials and installation shall conform to the following: 1. ASTM D 2240 Rubber - 85 Shore A.

2.1 Materials:

- A. Manufacturer: Johnsonite, Inc., (800) 899-8916, www.johnsonite.com
- B. Resilient Rubber:
- 1. .125" (3.17mm) Thickness
- 2. "Black" color 3. Straight (toeless)

4. Inside and outside corners with 4" returns

C. Setting Adhesive: Johnsonite 960 Acrylic Cove Base Adhesive. VOC = 1 q/L.

3.1 Installation:

- A. Preparation: Clean substrate surfaces scheduled to receive resilient rubber wall base throoughly and remove all coatings that may impair bond. A uniform temperature of at least 65 degrees Farenheit shall be maintained for 24 hours before, during and after the installation is completed. The wall base and adhesives shall be conditioned in the same manner. Coiled wall base shall be uncoiled and lay flat for at least 24 hours at 65 degrees Farenheit prior to installation. Floor and walls shall be clean, dry, and free of dust, all paints, wallpaper, and all other foreign material, which may affect proper adhesive bonding. Wall base may be installed on interior plaster, gypsum wall board, concrete, masonry, mineral—reinforced cement board or similar porous surfaces. Wall base shall not be installed on surfaces that will be exposed to drastic temperature changes or moisture.
- B. Application: Use a 1/8" square notch trowel to apply adhesive. Allow adhesive to set up and then apply wall base in accordance with manufacturer's written instructions.

SECTION 09705 - RESINOUS FLOORING (KITCHEN AND RESTROOMS)

- 1.1 General: Provide labor and material for $\frac{1}{4}$ inch thick seamless cementious urethane flooring system, including cove base, surface preparation and finish texture.
 - A. Related Section: 1. Concrete Division 3.
 - B. Accepted Manufacturers and Installers: 1. Contact: John Conway, Director of Business Development, 860-528-9838, johnc@dur-a-flex.com,
 - for a list of approved installation contractors for either new or renovation Chipotle Projects. 2. The installer shall have been approved by the flooring system manufacturer in all phases of surface preparation and application of the product specified. The specific contractor will be formally accredited as a "Tier One Strategic Account - Restaurant Installer". A letter stating these credentials shall; be provided by the installation contractor.

C. Delivery, Storage and Handling:

- Deliver material to job in clean, clearly labeled containers and inspect prior to start of job. Store material in dry enclosed area, out of direct sunlight protected by the elements. Keep temperature of storage area between 60 F and 85 F, in accordance with the Manufacturer's recommendations and relevant health and safety regulations.
- 1. Refer to Technical Department for application of Poly-Crete MDB before 14 days of new concrete
- 2. Verify that substrate is properly equipped with vapor barrier and perimeter drains. 3. Verify supply of adequate utilities including electric, water, heat and air conditioning (between 50 F
- and 85 F) and lighting of no less than 80 ft. candles measured at floor surface. 4. Free area of other trades during and for a period of 24 hours after floor installation.
- 5. Protect finished floor from damage by subsequent trades.

1. Submit a one year warranty against defects in material and workmanship upon substantial completion of installation.

2.1 Products

- A. Product Description
 - 1. Poly-Crete MDB multiple component, seamless trowel applied system with Poly-Crete CF Dark Grey topcoat as manufactured and supplied by Dur-A-Flex, Inc. 800-253-3539.

be applied in such a way to provide a smooth, easy to clean cove face).

- 2. Cove Base: a. For applications below 85 F slab temperature: Use Poly-Crete WR to form and design cove Poly-Crete WR will set-up quickly if working temperature reaches top end of bases.
- application limits. b. For applications above 85 F slab temperature. Switch from Poly-Crete WR to an epoxy cove system using Flintshot aggregate and Glaze 4 Cove-Res with Water-Clear hardener. Surface o cove base to receive two topcoats of Poly-Crete CF Dark Grey as manufactured and supplied by Dur-A-Flex, Inc. 800-253-3539 (First coat is considered as a grout coat, second coat will

B. Physical Properties of Poly-Crete MDB:

PHYSICAL PROPERTY	TEST METHOD	RESULT
Percent Reactive		100%
VOC Content		0 g/I
Bond Strength to Concrete	ASTM D-4541	400 psi, substrate fails
Compressive Strength	ASTM C-579	7,400 psi
Tensile Strength	ASTM D-638	1,800 psi
Impact Resistance @ 125 mils	MIL D-3134	>160 inch lbs with no visible damage or
		visible duffluge of

deterioration.

C. Product Mixing: 1. Mix on site with manufacturer supplied pre measure kits and approved mixing equipment to ensure a timely, accurate mix ratio and minimize waste.

3.1 Execution

- A. Preparation:
 - 1. Perform anhydrous calcium chloride test ASTM F 1869-98. Application will proceed only when the vapor/moisture emission rates from the slab is less than and not higher than 12lbs / 1,000 sf / 24 hrs. Or perform relative humidity test using IS Situ Probes, ASTM-F 2170. Proceed with installation only after substrates have a maximum 92% relative humidity level move in measurement.
 - 2. Create a surface profile having a minimum profile of CSP 4-6 as described by the International Concrete Repair Institute with a steel shot blast machine, scarifier or dust-free
- 3. Verify that all surfaces are dry and perfectly clean, free of all dust, preparation debris, oil, grease, detergent film, sealer and/or curing compounds.
- B. Installation: 1. Application may proceed only while air, material and substrate temperatures are between 50 F and 85 F providing the substrate temperature is above the dew point.

and repaired per manufacturer's recommendations.

- 2. Wherever a free edge will occur, including doorways, wall perimeters, expansion joints, columns, drains and equipment pads, a 1/4" deep x 1/4" wide keyway shall be cut in. 3. Cracks and joints (non-moving) greater than 1/4" deep by 1/4" wide are to be chiseled or chipped out
- 4. Shallow fill and patching: Use Dur-A-Flex, Inc. Poly-Crete MD (up to 1/4"). Deep fill and sloping material (over 1/4"): Use Dur-A-Flex, Inc. Poly-Crete WR. 6. Prime lower wall area to accept cove base with Dura-Flex Glaze 4 Cove-Res mixed with
- base of wall. 7. Install a 4 or 5 inch high integral cove base at perimeter wall prior to installing the flooring

Glaze 4 Water-Clear hardener. Extend primer material to floor at least 2" out from the

Glaze 4 Water-clear hardener and Dura-Flex flintshot aggregate (Epoxy cove bases should only be considered when slab temperature is above 85 F). 9. When cove base has cured, apply an initial grout coat of Poly-Crete CF. Allow grout coat

8. Cove base to be created using Poly-Crete WR or Dur-A-Flex Cove Res mixed with

10. Install floor system with flintshot aggregate broadcast into the Poly-Crete MD at an approximate rate of 1/2 lb. per square foot. Aggregate should be broadcast to rejection.



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JoJo's Orlando LLC

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05/06/22

		ION 09900 – PAIN		Owner Option 1 Prime:	: (1) coat PPG; 6-209 SpeedHide Galvanized Metal Primer (400 g/L VOC): Applied at a	
2	1.1	A. Provide su	paints and coatings as shown and specified. rface preparation, prime, intermediate and finish coatings for interior and exterior new and sheduled surfaces and items.	Finish:	dry film thickness of not less than 3.0 to 5.0 mils. (2) coats PPG; 90-1210 Series Pitt-Tech Plus Semi-Gloss DTM Industrial Enamels (90 g/L VOC): Applied at a dry film thickness of not less than 2.0 to 4.0 mils.	
		B. Provide Te	nant-selected finishes and colors for all exposed surfaces, unless otherwise indicated.	Owner Option 2 Prime:	(1) coat PPG; 97-145 Pitt-Guard DTR Epoxy Mastic Primer (150 g/L VOC): Applied at	
	1.2	Related Docume		Finish:	a dry film thickness of note less than 4.0 to 7.0 mils. (2) coats PPG; 90-1210 Series Pitt-Tech Plus Semi-Gloss DTM Industrial Enamels (90	
			and general provisions of the Contract, including General and Supplementary Conditions and Specification Sections, apply to this section.	Owner Option 3	g/L VOC): Applied at a dry film thickness of not less than 2.0 to 4.0 mils.	
	1.3	Summary:		Prime:	(1) coat PPG; Amerlock 2 Fast Dry VOC Compliant Epoxy (84 g/L VOC): Applied at a dry film thickness of not less than 4.0 to 6.0 mils.	
		1. Expo	on includes surface preparation and field painting of the following: sed exterior items and surfaces. sed interior items and surfaces.	Finish:	(2) coats PPG; Amerishield VOC Aliphatic Urethane (84 g/L VOC): Applied at a dry film thickness of not less than 5.0 to 8.0 mils.	
		3. Surf	ace preparation, priming, and finish coats specified in this Section are in addition to shop ing and surface treatment specified in other Sections.	Application:	Conventional or HVLP (high volume low pressure) be done with conventional spray or airless equipment or brush or roller.	
4	1.4	Quality Assuranc		Existing Stucco/	/EIFS Surfaces:	
		application	Qualifications: Engage an experienced applicator that has completed painting system s similar in material and extent to that indicated for this Project with a record of successful performance.	Preparation:	Remove all visible oil, grease, soil, rust and all other foreign substances with cleaning solutions and/or scrapers. Allow to dry and sand all areas that need smoothing and dust off.	
		B. Source Lin	nitations: Obtain block fillers, primers and undercoat materials for each coating system from the ufacturer as the finish coats.	Prime:	(1) coat PPG; 4-603 Perma-Crete Alkali Resistant Primer (100 g/L VOC): Applied at a dry film thickness of not less than 1.2 to 1.9 mils.	
			ad free prime and finish coatings. All top coatings shall be mold and mildew resistant.	Finish:	(2) coats PPG; 4-22 Perma-Crete Hi-Build Acrylic (100 g/L VOC): Applied at a dry film thickness of not less than 3.2 to 5.8 mils.	
	1.5	Delivery, Storage	and Handling: aterials to the Project Site in manufacturer's original, unopened packages and containers bearing	Application:	Airless spray with back roll using 3/4" nap roller.	
		manufactu	erer's name and label, and the following information: uct name or tile of material.	Exterior Wood:		
		3. Mani 4. Cont	uct description (generic clasificaiton or binder type). ufacturer's stock number and date of manufacture. ents by volume, for pigment and vehicle constituents. ning instructions.	Preparation:	Remove all visible oil, grease, soil, rust and all other foreign substances with cleaning solutions and/or scrapers. Allow to dry and sand all areas that need soothing and dust off.	
		6. Appl 7. Colo	icaiton instructions. r name and number. content	Prime:	(1) coat PPG; 17-921 Seal Grip Primer Sealer (100 g/L VOC): Applied at a dry film thickness of not less than 2.0 to 4.0 mils.	
		B. Store mat temperatu	erials not in use in tightly covered containers in a well-ventilated area at a minumum ambient re of 45 degrees F (7 degrees C). Maintain containers used in storage in a clean condition,	Finish:	(2) coats PPG; 70-501 Manor Hall Exterior Semi-Gloss or PPG Acri-Shield Semi-Gloss PP649 (50 g/L VOC): Applied at a dry film thickness of not less than 1.5 to 3.0 mils.	3.1 Installa
		1. Prot	reign materials and residue. ect from freezing. Keep storage area neat and orderly. Remove oily rags and waste daily. necessary measures to ensure that workers and work areas are protected from fire and health	Application:	Brush, roll or spray	
		hazo	ards resulting from handling, mixing and application.	Interior Metals (Preparation:	(Doors, Door Frames — where indicated): Remove all visible oil, grease, soil, rust and all other foreign substances with cleaning	
	1.6	Project Condition A. Apply wate	ns: er-based paints only when the temperatures of surfaces to be painted and surrounding air	rreputation.	solutions and/or scrapers. Allow to dry and sand all areas that need soothing and dust off.	
		technical (res are between 50 and 90 degrees F (10 and 32 degrees C) unless otherwise stated on the datta bulletin. ent-thinning paints only when the temperature of surfaces to be painted and surrounding air	Prime:	(1) coat PPG; 90-912 Series Pitt-Tech Plus Int/Ext DTM Industrial Primer (90 g/L VOC): Applied at a dry film thickness of not less than 2.0 to 4.0 mils. (Repaints only require spot prime on bare metal surfaces.)	
		temperatu	res are between 45 and 95 degrees F (7.2 and 35 degrees C).	Finish:	(2) coats PPG; V-50-410 Breathrough Satin Sheen Acrylic (250 g/L VOC): Applied at a	В.
		temperatu	ply paint in snow, rain, fog, or mist, or when the relative humidity exceeds 85 percent, or at res less than 5 degrees F (3 degrees C) above the dew point, or to damp or wet surfaces. ting may continue during inclement weather if surfaces and areas to be painted are enclosed	Application:	dry film thickness of not less than 1.4 to 2.0 mils. Conventional spray, HVLP or airless spray. Tough-ups shall be done with conventional	
			heated within temperature limits specified by manufacturer during application and drying periods.		spray or airless equipment or brush or roller.	
	2.1	Manufacturers:		Interior Metals (Preparation:	Remove all visible oil, grease, soil, rust and all other foreign substances with cleaning	
1			Subject to compliance with requirements, provide one of the products in the paint schedules. Ters Names: The following manufacturer is referred to in the paint schedule by use of shortened	Prime:	solutions and allow to dry before priming. (1) coat PPG; 90-912 Series Pitt-Tech Plus Int/Ext DTM Industrial Primer (90 g/L VOC):	
		versions o 1. PPG	f the name, which is shown below: Industries, Inc. erials - No substitutions allowed.	Time.	Applied at a dry film thickness of not less than 2.0 to 4.0 mils. (Primer only required on unpainted deck or to spot prime bare areas in decking.)	
	2.2	Paint Materials,	General:	Finish:	(2) coats PPG; 90-1110 Pitt-Tech Plus Satin Acrylic (100 g/L VOC): Applied at a dry film thickness of not less than 2.0 to 4.0 mils.	
		compatible	ompatibility: Provide block fillers, primers, undercoats, and finish-coat materials that are with one another and the substrates indicated under conditions of service and application, as ted by manufacturer based on testing and field experience.	Application:	Conventional spray, HVLP or airless spray. Tough-ups shall be done with conventional spray or airless equipment or brush or roller.	C.
-		B. Material Q	uality: Provide manufacturer's best-quality "professional" paint material of the various coating	Interior Gypsum	Board:	
		types spec acceptable	cified. Paint-material containers not displying manufacturer's product identification will not be	Preparation:	Remove all visible oil, grease, soil, rust and all other foreign substances with cleaning solutions. Fill hairline cracks, holes and other defects with filler compatible with finish coats. Sand smooth all areas filled and/or areas to make a smooth overall finish.	
			lor guide selected by owner and will be strictly adhered to, unless otherwise noted.	Prime:	(1) coat PPG; 9-900 Pure Performance Acrylic Primer (0 g/L VOC): Applied at a dry	
		C. Exterior Co	rrous Metals:		film thickness of not less than 1.4 to 2.0 mils. (Spot prime required only on repaint projects.)	
		Preparatio	Remove all visible oil, grease, soil, rust and all other soluble contaminates from steel surface. Uniformly roughen surface with 150-grit paper. Remove all dust before solvent cleaning by the use of stiff bristle brush.	Finish:	For Dining Room & Hallway Walls - (2) coats PPG; 9-300 Pure Performance Eggshell Acrylic Finish (0 g/L VOC): Applied at a dry film thickness of not less than 1.5 to 2.0 mils	
		Prime:	(1) coat PPG; 90-912 Series Pitt-Tech Plus Int/Ext DTM Industrial Primer (90 g/L VOC); Applied at a dry film thickness of not less than 2.0 to 4.0 mils.		For Dining Room & Hallway Ceilings - (2) coats PPG; 9-100 Pure Performance Flat Acrylic Finish (0 g/L VOC): Applied at a dry film thickness of not less than 1.5 to 2.0	
		Finish:	(2) coats PPG; 90-1210 Series Pitt-Tech Plus Semi-Gloss DTM Industrial Enamels (90 g/L VOC): Applied at a dry film thickness of not less than 2.0 to 4.0 mils.		mils. For Restroom & Kitchen Ceilings (Non-California) - (2) coats PPG; 9-300 Pure	
		Application			Performance Eggshell Acrylic Finish (0 g/L VOC): Applied at a dry film thickness of not less than 1.5 to 2.0 mils.	
		Exterior Po			For Restroom & Kitchen Ceilings (California) - (2) coats PPG; 9-500 Pure Performance Semi-Gloss Acrylic Finish (0 g/L VOC): Applied at a dry film thickness of not less than 1.5 to 2.0 mils.	
			stiff bristle brush. SSPC-SP3 may be required as a more aggressive preparation to remove loose mill scale, loose rust, loose paint and other loose detrimental foreign matter from the surface. Performance is better ith more aggressive preparation.	Application:	Conventional spray, HVLP or airless spray. Tough-ups shall be done with conventional spray or airless equipment or brush or roller.	D.
		Prime:	(1) coat PPG; 95-3300 Durethane DTM Urethane Mastic (250 g/L VOC): Applied at a dry film thickness not less than 3.0 to 5.0 mils.		rim and Plywood — Clear Polyurethane Finish: es shall be shop applied in a controlled environment)	υ.
		Finish:	(1) coat PPG; 95-3300 Durethane DTM Urethane Mastic (250 g/L VOC): Applied at a dry film thickness not less than 3.0 to 5.0 mils.		on: Scuff sand between coats.	E.
		Application		Shop Finish: Shop Applicatio	(2) coat, ML Campbell Krystal conversion varnish, Clear Dull Sheen	
		Exterior Go	airless equipment or brush or roller.		on: All cuts in field are to be sanded smooth. Scuff sand between coats.	
		Preparatio	n: Before applying primer or other surface treatments, clean galvanized metal surface to	Field Finish:	(2) coats, ML Campbell High Performance Pre-Cat Lacquer, Clear Dull Sheen.	
			SSPC-SP1 that could impare bond of the various coatings. Remove oil, grease and soap film before priming. Use of Krud Kutter Metal Clean and Etch may be required on bare or new galvanized. Surface must be clean, dry and free of contaminants, including salt deposits. Additional prep may be needed to SSPC-SP2. Schedule cleaning and painting so dust and other contaminants from the cleaning process will not fall on wet, newly painted surfaces.	Field Applicatio	n: Wipe on with t-shirt rag.	F.
-			Note: Some selected areas of bare concrete surfaces will require (1) coat of Perma Crete 4-503 Concrete Primer before steel installation over all concrete surfaces.			
- 1			5. 2.2 . 2.2 . 2.1.2. 2.2			

WHERE	WHAT	COLOR	SHEEN
Exterior Galvanized Metals	PPG Pitt—Tech Plus Acrylic Finish 90—1210 Series or PPG Amerlock 2 Fast Dry Epoxy (See Owner Options in Spec)		Semi-Gloss
Exterior Ferrous Metals	PPG Pitt-Tech Plus Acrylic Finish 90-1210 Series		Semi-Gloss
Exterior Wood	PPG Manor Hall Acrylic 70-501 Series or PPG Acri-Shield Acrylic PP649 Series		Semi-Gloss
New Stucco and EIFS	Integral Color Top Coat Per Manufacturer and Spec	Per Plans	Flat
Existing Stucco and EIFS	PPG Perma—Crete High Build Acrylic Topcoat 4—22 Series	Per Plans	Flat
Interior Doors and Door Frames	PPG Breakthrough 250 Acrylic V50-410 Series	Per Plans	Satin
Interior Ferrous Metals	PPG Breakthrough 250 Acrylic V50-410 Series		Satin
Dining Room and Hallway Gypsum Board — Walls	PPG Pure Performance Zero VOC 9-300 Series	Per Plans	Eggshell
Dining Room and Hallway Gypsum Board — Ceilings	PPG Pure Performance Zero VOC 9-100 Series	Per Plans	Flat
Restroom and Kitchen Gypsum Board — Ceilings	PPG Pure Performance Zero VOC 9-100 Series (9-500 in CA)	Per Plans	Eggshell (Semi-Gloss in California)

amination:

Verify that site environmental conditions are appropriate for application of coatings specified. Immediately prior to coating application, ensure that surfaces to receive coatings are dry. Ensure that moisture-retaining substances to receive coatings have moisture content within

tolerances allowed by coating manufacturer, using moisture measurement techniques

- recommended by coating manufacturer. Immediately prior to coating application, examine surfaces to receive coatings for surface imperfections and for contaminants which could impair performance or appearance or coatings, including but not limited to, loose primer, rust, scale, oil, grease, mildew, algae, or
- fungas, stains or marks, cracks, indentations or abrasions. Correct the above conditions and any other conditions which could impair performance or appearance of coatings in accordance with specified surface preparation procedures before
- eparation:

proceeding with coatings application.

- Do not start work until surfaces to be finished are in proper condition to produce finished surfaces of uniform, satisfactory appearance.
- Stains and Marks: Remove completely, if possible, using materials and methods recommended by coating manufacturer; seal with shellac or other coating acceptable to paint manufacturer stains and marks that that might bleed through paint finishes which cannot be completely removed.
- Remove or protect hardware, electrical plates, mechanical grilles and louvers, lighting fixture trim, and other items not indicated to receive coatings which are adjacent to surfaces to receive coatings.
- Remove mildew from impervious surfaces by scrubbing with solution of disodium phosphate and bleaach. Rinse with clean water and allow substrate to thoroughly dry.
- For specific substrate preparation, see individual specifications.
- Provide necessary staging, ladders, shields, protective coverings and drop cloths. Protect floors, walls and adjacent work and materials. Remove and properly replace temporary protection and coverings removed from any part of the work or finish. Repair damage at Contractor's expense.

plication:

- General: Mix, prepare and apply paint according to manufacturer's written instructions. a. Use applicators and techniques best suited for substrate and type of material being
- b. Do not apply high-performance coatings over dirt, rust, scale, grease, moisture,
- scuffed surfaces, or conditions detrimental to forming a durable coating film. c. Coating surface treatmenets, and finishes are indicated in the coating system descriptions.
- d. Provide finish coats compatible with primers used.
- e. The term "exposed surfaces" includes areas visible when permanent or built-in fixtures, convector covers, grilles, covers for finned-tube ratiation, and similar components are in place. Extend coatings in these areas, as required, to maintain system integrety and provide desired protection.
- Application Procedures: Apply coatings by brush, roller, spray, or other applicators according to the manufacturer's written instructions.
- a. The number of coats and film thickness required is teh same regardless of application
- b. Completed Work: Match approved samples for color, texture, and coverage. Remove, refinish, or recoat work that does not comply with specified requirements as directed by Tenant. Paints and coatng work is subject to acceptance by the Tenant.
- c. Keep brushes and rollers clean, free from contaminations and suitable for the finish
- d. Unless otherwise indicated, allow exterior paints to dry for 48 hours and interior paints to dry for 24 hours between coats.
- Sand lightly and remove dust between coats to achieve required finish. Finished surfaces shall be uniform in finish and color and free of brush marks, sagging, holidays, corduroy and other imperfections. Coverage and hide shall be
- complete. g. Edges of paint or finish adjoining other materials or colors shall be sharp and clean without overlapping. Cut paint in neatly around glass or other edges.
- h. Paints and coatings work is subject to acceptance by the Tenant. Correct unsatisfactory work not complying with these specifications as directed by Tenant.
- After completing painting, clean glass and paint spattered surfaces. Remove spattered paint by washing and scraping without scratching or replacing, and repainting, as approved by Architect / Tenant.
- Protect work of other trades, whether being painted or not, against damage from painting. Correct damage by cleaning, repairing or replacing, and repainting, as approved b Architect
- Provide "Wet Paint" signs to protect newly painted finishes. After completing painting
- operations, remove temporary protective wrappings provided by others to protect their work. After work of other trades is complete, touch up and restore damaged or defaced painted
- surfaces.
- intenance: Furnish extra paint materials from the same production run as the materials applied the quantities described below. Package paint materials in unopened, factory-sealed containers r storage and identify with labels describing contents. Deliver extra materials to the Tenant. Provide one gallon of paint and wood stain of each type of color required for maintenance purposes. Provide original, unopened, labeled containers with color samples and a list of project use.

DIVISION 10 - SPECIALTIES

SECTION 10522 - PORTABLE FIRE EXTINGUISHES

1.1 General: Provide portable fire extinguishers as shown and specified.

A. Standards: Materials and installation shall conform to the following: 1. NFPA 10 "Standard for Portable Fire Extinguishers.

2.1 Materials:

A. Provide minimum 10 lb. capacity fire extinguishers in quantity and type complying with local code and fire regulations requirements. 1. Provide new fire extinguishers fully loaded, tested, UL and FM labeled and listed and ready for use.

2. Provide manufacturer's recommended mounting brackets and hardware.

3.1 Installation:

A. Install fire extinguishers in accordance with manufacturer's installation instructions, at heights and locations acceptable to the local fire regulations enforcement authority

DIVISION 11- NOT APPLICABLE

DIVISION 12- FURNISHINGS

SECTION 12495 - WINDOW SHADES

- 1.1 General: Provide window shades as shown and specified.
 - A. Standards: Shade fabric material shall meet the requirements of the following: 1. NFPA 701 Flame Test and California US Title 19 for flame retardant materials.
 - B. Field measure window openings and verify installation conditions prior to window shade fabrication

 - 5 years against defects in materials and workmanship. 2. 1 year for service call repairs and adjustments.

2.1 Materials:

- A. Manufacturer: Insolroll Window Shading Systems, Inc. (800) 447—5534, internet www.insolroll.com
- B. Window Shades: Insolroll 2000 Solar Screen Shades, manual operation. 1. Solar Screen Shade Fabric: Insolroll woven fiberglass yarn, 5% openness, Charcoal/Bronze
- 2. Provide manufacturer's recommended mounting brackets and hardware.
- C. Fabrication: Unless otherwise indicated, fabricate window shade units to completely fill existing window openings from jamb to jamb and head to 42" AFF or the hearest horizontal mullion between 40-44" AFF.
 - 1. Adjustment system controlled by plastic bead chain on polyester cord. Multi-banded steel spring clutches keep shade in desired position.
 - Roller tube 2" extruded aluminum, sized to minimize deflection.
- Fabric attached to roller tube using two-sided adhesive tape.
- 4. Fabric bottom hem RF heat sealed pocket with enclosed hem bar.

3.1 Installation:

A. Install window shades level and plumb in accordance with manufacturer's installation instructions and drawing details. Provide units securely anchored in place with recommended hardware and accessories to provide smooth operation without binding.

DIVISIONS 13 - 14 - NOT APPLICABLE

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JoJo's Shake BAR

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05/06/2.

Issue Record

PERMIT ISSUE

ELECTRICAL PANELS TO REMAIN, TYP., RE: — MOP SINK TO REMAIN, RE: PLUMBING DRAWINGS - WALK-IN COOLER TO REMAIN ELECTRICAL DRAWINGS — - REMOVE QUARRY TILE FLOOR/BASE AT NEW FREEZER AREA TO ACCOMMODATE NEW INSULATED FLOOR, RE: A110 HANDSINK TO REMAIN, TYP. OF (4), RE: PLUMBING DRAWINGS-HATCHED AREA TO REMAIN AS-IS, CONFIRM WITH ARCHITECT BEFORE DEMO KITCHEN EQUIPMENT TO OF ANY ITEM LOCATED WITHIN THESE REMAIN, TYP., U.N.O. — WATER SOFTENER TO REMAIN, RE: PLUMBING DRAWINGS -WATER HEATER TO REMAIN, - KITCHEN EQUIPMENT TO ELECTRICAL SERVICE RE: PLUMBING DRAWINGS — REMAIN, TYP., U.N.O. FOR ENTIRE BUILDING -USED COOKING OIL CONTAINMENT TANK TO REMAIN, RE: PLUMBING DRAWINGS — - REMOVE PORTION REMOVE WALL COVERINGS AND OF LOW WALL FINISHES ON THESE WALLS — - REMOVE FLOOR - REMOVE SERVICE COUNTER DRAIN/SINK,RE: -REMOVE WALL PLUMBING DRAWINGS REMOVE FLOOR REMOVE FLOOR EXTENTS OF EXISTING QUARRY TILE SINK, RE: FLOOR, REMOVE QUARRY TILE AS REMOVE STOREFRONT AND DRAIN/SINK RF. CONCRETE SILL BELOW AS PLUMĖING DRAWINGS — PLUMBING NECESSARY TO ACCOMMODATE NEW !!!! NECESSARY TO ACCOMMODATE NEW DRAWINGS WORK, RE: A110 STOREFRONT DOOR, RE: A110 // / | - / - - - - - - - | - - - | - REMOVE FOOT RAIL BELOW BAR 1 111111 1 REMOVE PASS THROUGH UNDER BAR COCTAIL STATION, REMOVE LOW WALL -SAVE FOR REUSE, RE: A130 REMOVE PORTION OF REMOVE BAR AND BAR HEDGES FOR NEW WALK-UP EQUIPMENT U.N.O. r----r-----WINDOW, SHOWN HATCHED ~ REMOVE PORTION OF CMU WALL FOR REMOVE ALL EXISTING DINING INSTALLATION OF ← REMQVE FURRING WALL ROOM FURNITURE UNLESS PICK-UP WINDOW, RE: OTHERWISE NOTED, TYP. — A110 & STRUCTURAL DRAWINGS ----REMOVE WALL COVERINGS AT ALL PUBLIC AREA WALLS THAT | L=F========= ARE TO REMAIN, TYP. - REMOVE STOREFRONT AND REMOVE STOREFRONT AND REMOVE STOREFRONT AND CONCRETE SILL BELOW CONCRETE SILL BELOW CONCRETE SILL BELOW #==== REMOVE PATIO RAIL AND GATE, SAVE FOR REUSE, RÉ: A110 — — REMOVE PORTION OF RAIL & GATE, SAVE FOR REUSE, RE: REMOVE PATIO RAIL SECTION -REMOVE PATIO RAIL SECTION PATIO ROOF SUPPORT COLUMN TO REMAIN, TYP. -PATIO RAIL TO REMAIN, TYP., U.N.O. —

DEMOLITION FLOOR PLAN
3/16"=1'-0"

Demolition General Notes

- ALL DIMENSIONS & INFORMATION ON THIS SHEET ARE EXISTING & TO BE FIELD VERIFIED BY TENANT'S G.C. PRIOR TO START OF TENANT FINISH CONSTRUCTION. NOTIFY TENANT AND ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
- 2. NOTE NOT USED

Floor Plan Legend

:-----

EXISTING TO REMAIN

TO BE REMOVED

- 3. MAINTAIN PROTECTED ACCESS AT ALL TIMES.
- 4. ERECT AND MAINTAIN WEATHERPROOF CLOSURE AT EXTERIOR OPENINGS.
- 5. ERECT AND MAINTAIN DUST-PROOF INTERIOR PARTITIONS TO PREVENT SPREAD OF DUST OR FUMES.
- 6. ERECT AND MAINTAIN BARRICADES, ENCLOSURES, BRACING, SHORING, LIGHTS, WARNING SIGNS AND GUARDS NECESSARY FOR WORKER AND PUBLIC SAFETY AND PROTECTION OF PROPERTY.
- 7. DISCONNECT, REMOVE AND CAP DESIGNATED UTILITY SERVICES.
 IDENTIFY AND MARK LOCATIONS OF DISCONNECTED AND CAPPED
 UTILITIES AT THE PROJECT SITE AND ON PROJECT RECORD
 DOCUMENTS.
- 8. NOTIFY AND COORDINATE WITH TENANT AND THE BUILDING OWNER FOR ANY DEMOLITION OCCURING OUTSIDE THE LEASE LIMITS.
- 9. COORDINATE HOURS OF OPERATION AND CONSTRUCTION ACCESS WITH THE TENANT AND BUILDING OWNER.
- 10. REMOVE EXISTING CONSTRUCTION TO ACCOMMODATE NEW CONSTRUCTION AS INDICATED.
- 11. PERFORM SELECTIVE DEMOLITION IN AN ORDERLY, SYSTEMATIC AND CAREFUL MANNER WITH LEAST POSSIBLE DISTURBANCE TO PUBLIC AND ADJACENT PROPERTY.
- 12. USE OF EXPLOSIVES IS PROHIBITED.
- 13. IMMEDIATELY REMOVE FROM THE SITE AND LEGALLY DISPOSE OF DEMOLISHED MATERIALS, EXCEPT AS INDICATED OTHERWISE.
- 14. DO NOT BURN OR BURY MATERIALS ON THE PROJECT SITE.
- 15. SEE SHEET D101 FOR DEMOLITION CEILING PLAN
- 16. SEE MEP DRAWINGS FOR ADDITIONAL DEMOLITION SCOPE

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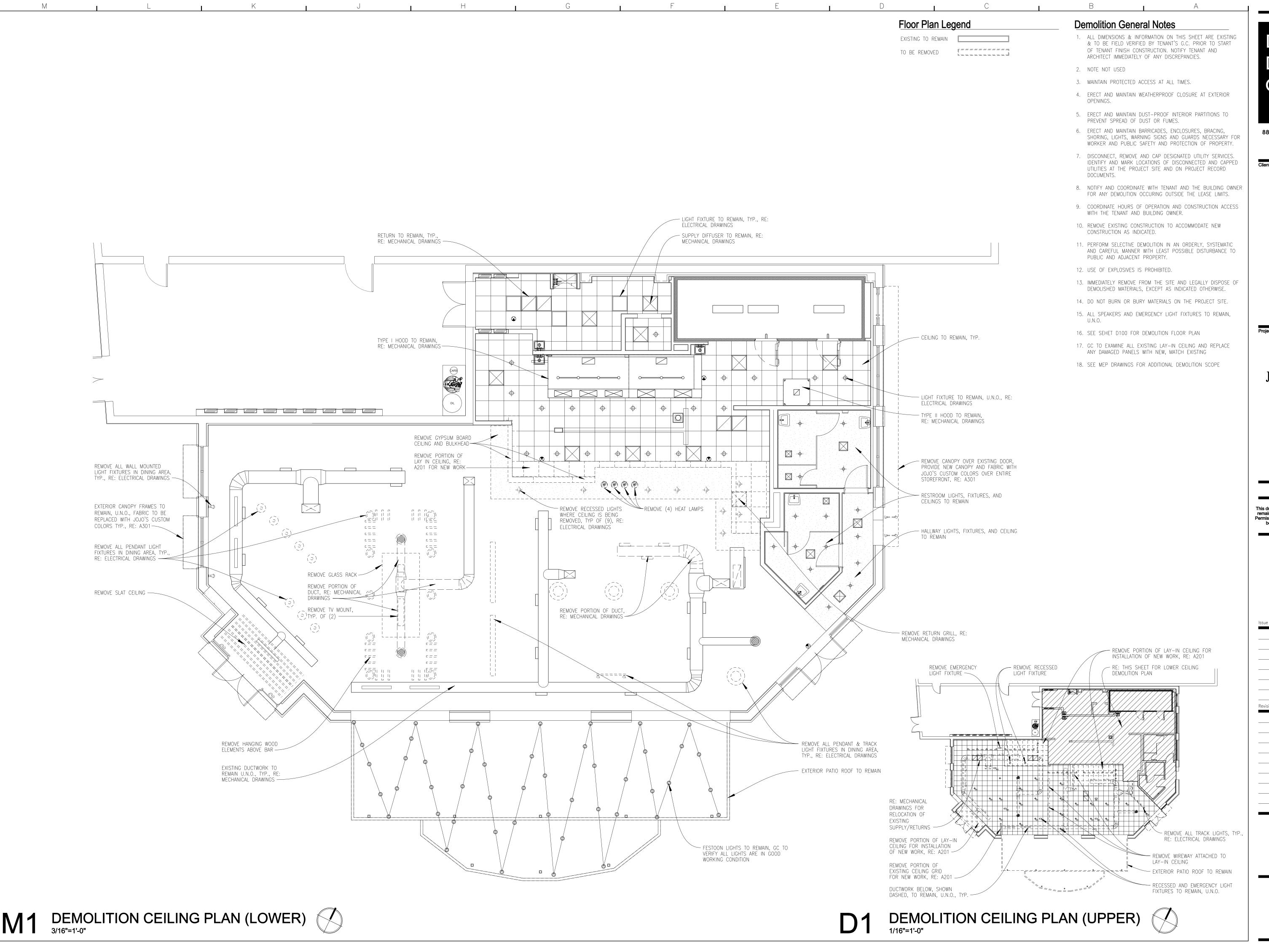
Issue Record

PERMIT ISSUE 05/06/22

Revision Record

Demolition Floor Plan

D100



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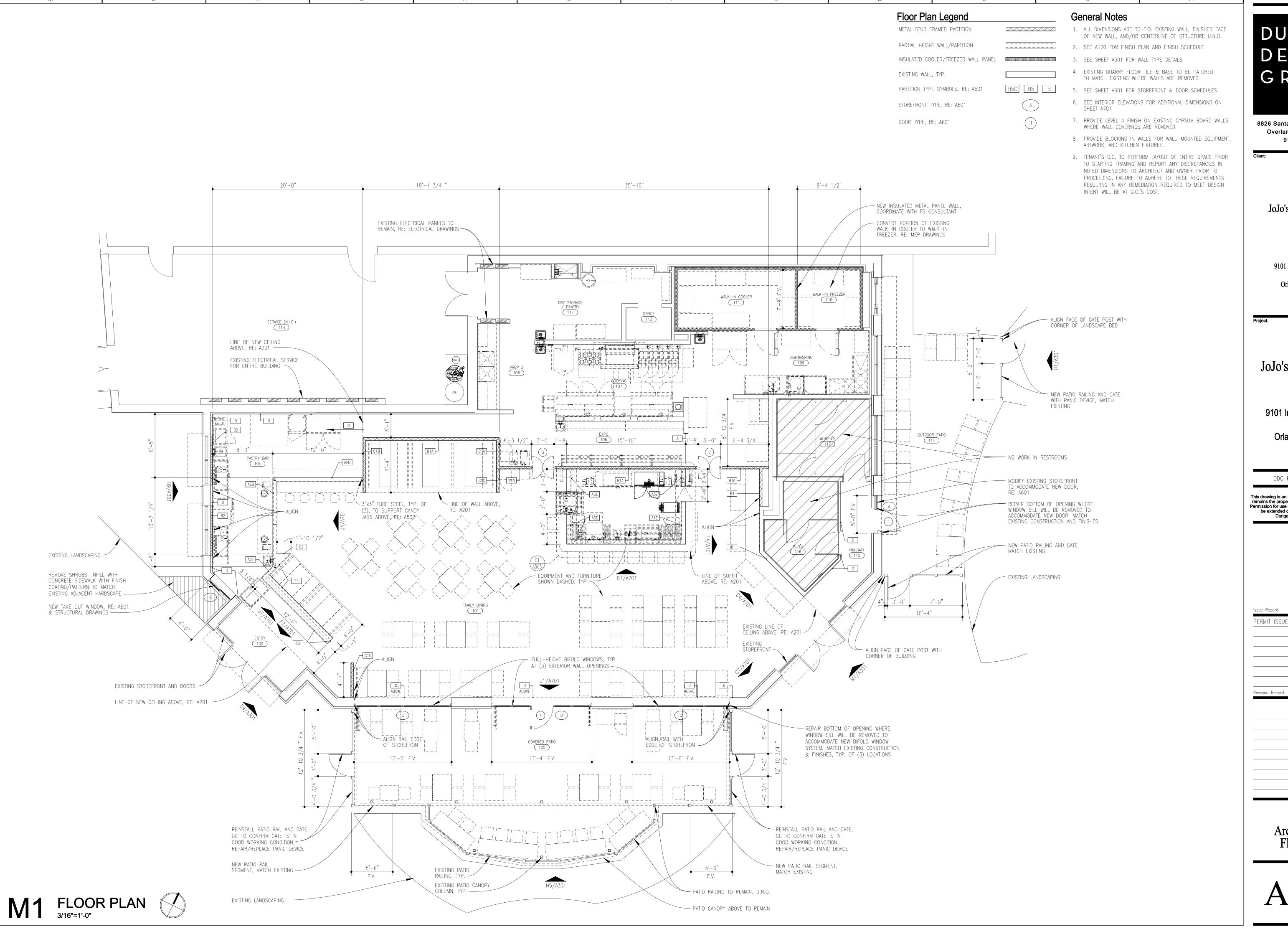
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Issue Record

Revision Record

Demolition Ceiling Plan

D101



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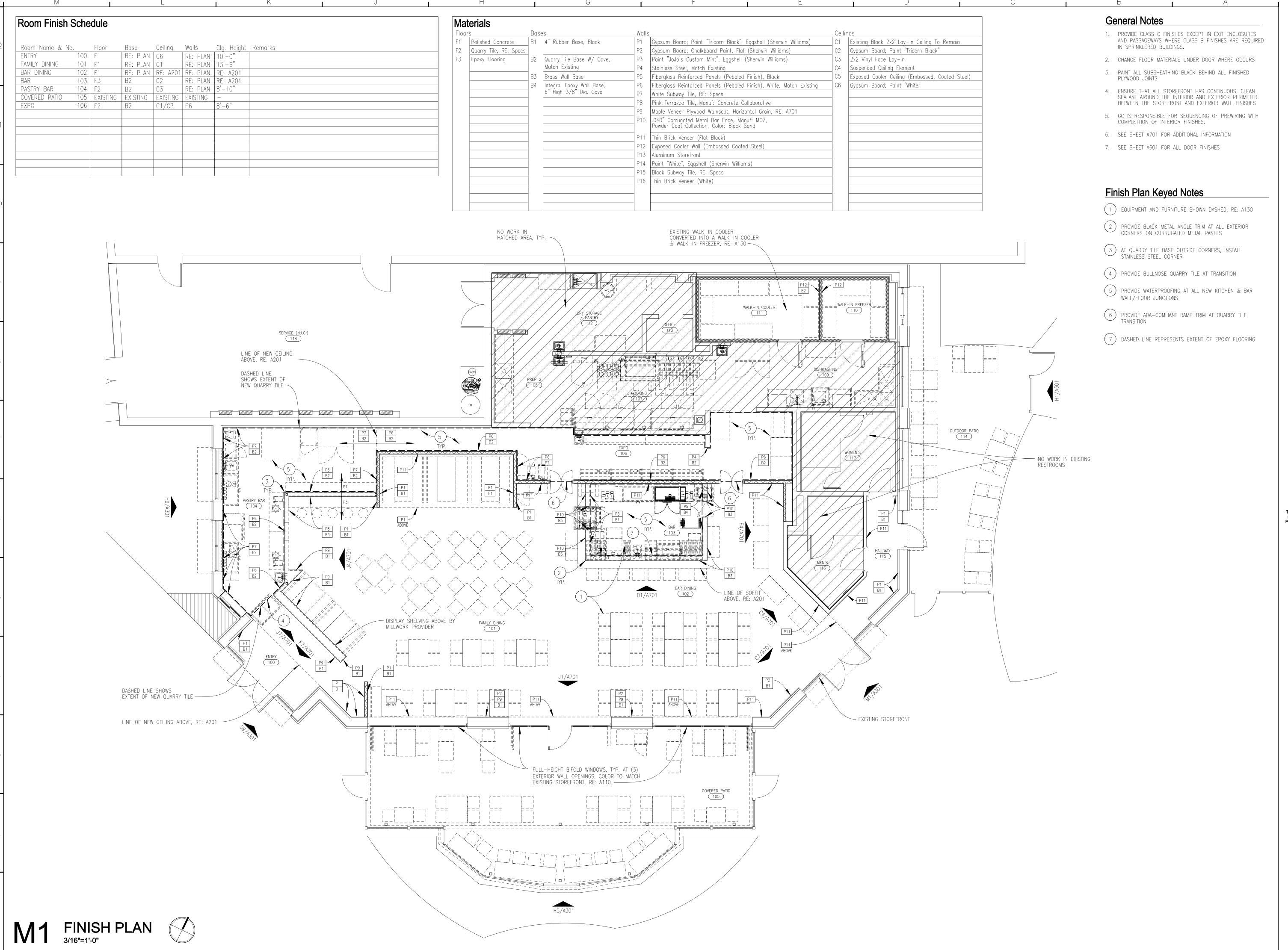
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Architectural

Floor Plan



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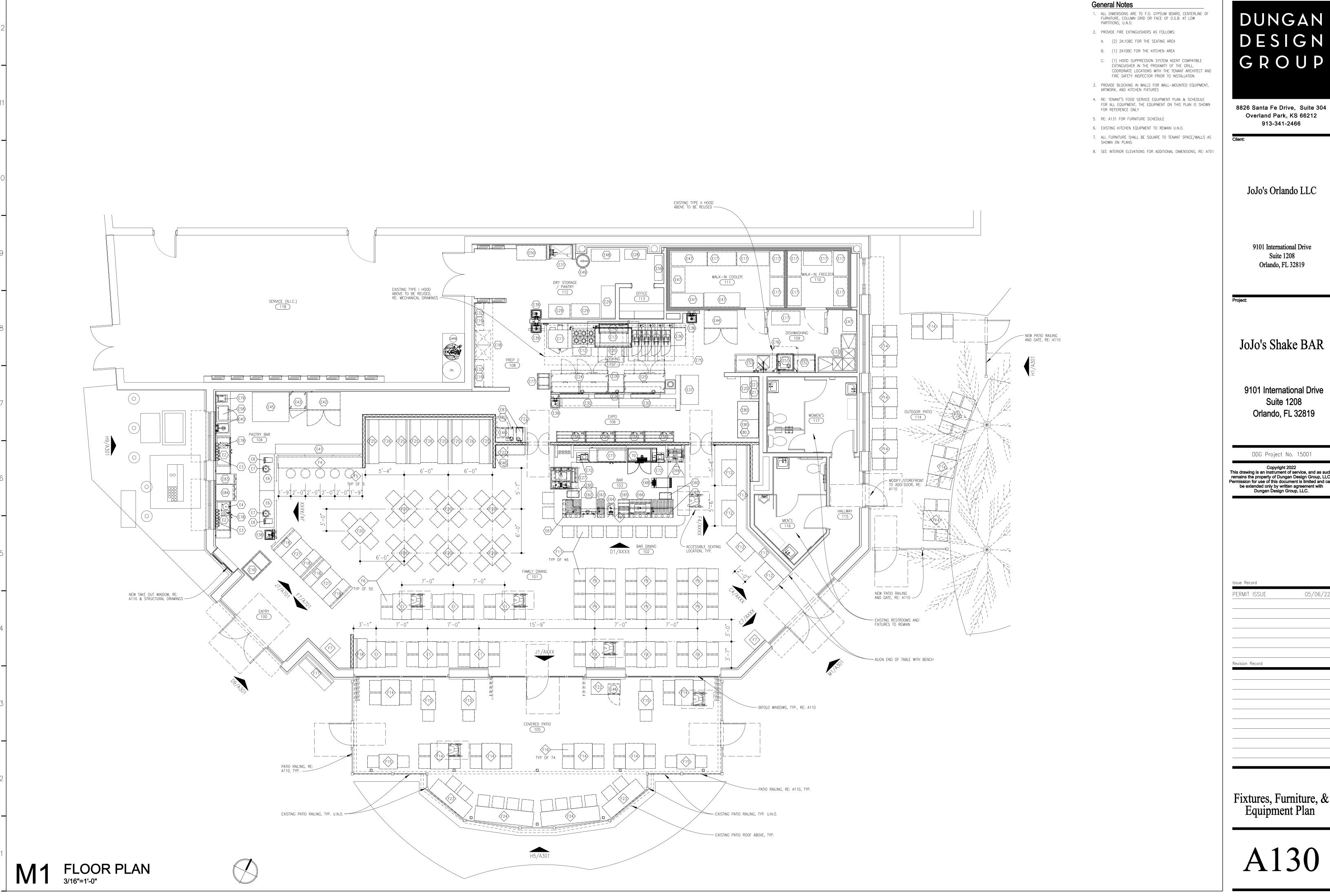
Issue Record

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Architectural Finish Plan

A120



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Fixtures, Furniture, & Equipment Plan

A130

EQUIPMENT LIST (FOR REFERENCE ONLY. RE: FOO	OD SERVICE DRAWINGS FOR MORE DETAIL)	FURNITURE LIST	DUNGA
E1 SPARE NUMBER	(E54) SPARE NUMBER	F1 30"X42" 4-PERSON TABLE, DINING HEIGHT	
E2 BACKBAR COOLERS	E55 SPARE NUMBER	F2 28"X70" 6-PERSON TABLE, DINING HEIGHT	DESIG
E3 DRY PRODUCT DISPENSERS	E56 SPARE NUMBER	F3 72" BENCH SEAT, DINING HEIGHT	GROU
E4 CHOCOLATE WARMER	(E57) SPARE NUMBER	F4 18"X138" PASTRY BAR TOP, DINING HEIGHT	
E5 SPARE NUMBER	(E58) MICROWAVE OVEN	F5 SWING-OUT BAR STOOL, DINING HEIGHT	
E6 WORKTABLES	(E59) WIRE SHELVING	F6 CHAIR, DINING HEIGHT	8826 Santa Fe Drive, Suite
E7 FOOD BLENDERS	(E60) TRASH CANS	F7 HOST STAND	Overland Park, KS 6621 913-341-2466
(E8) WHIPPED CREAM DISPENSERS	(E61) DRAINBOARDS	F8 WRAP-AROUND BAR	Client:
E9 SPARE NUMBER	(E62) GLASS WASHER	F9 30"X42" 4-PERSON TABLE, BAR HEIGHT	
E10 SPARE NUMBER	(E63) DRY STORAGE CABINET	F10> 30"X24" 2-PERSON TABLE, BAR HEIGHT	
E11) CONVECTION OVEN	E64) HAND SINK	F11 CHAIR, BAR HEIGHT	
E12 RESTAURANT RANGE	(E65) LIQUOR STEP	F12> 24"X42" 2-PERSON TABLE, BAR HEIGHT	JoJo's Orlando LLO
E13 GAS FLAT GRILL	E66 ICE CHEST	F13 BENCH SEAT, BAR HEIGHT (SAME-SIDER)	
E14 CHEESE MELTER	(E67) DRY STORAGE CABINET	F14 30"X42" 4-PERSON PATIO TABLE, DINING HEIGHT	
E15) FRYERS	(E68) FROZEN BEVERAGE DISPENSER	F15 30"X24" 2-PERSON PATIO TABLE, DIINING HEIGHT	
E16 DIPPING CABINET	(E69) ESPRESSO/CAPPUCINO MACHINE	F16 PATIO CHAIR, DINING HEIGHT	9101 International Drive Suite 1208
E17 STORAGE SHELVING	(E70) BEER DISPENSING REFRIGERATOR	F17 60" WAITING BENCH	Orlando, FL 32819
(E18) PREP TABLE W/SINKS (EXISTING TO REMAIN AS IS)	(E71) REFRIGERATED BACK BAR	F18 48" BENCH SEAT, DINING HEIGHT	
(E19) WALL SHELVES (EXISTING TO REMAIN AS IS)	(E72) POS UNITS	F19> 30"X24" 2-PERSON TABLE, DINING HEIGHT	Project:
E20 WORKTABLE	(E73) WALK IN FREEZER (CONVERT EXISTING WIC)	F20> 30"X30" 4-PERSON TABLE, DINING HEIGHT	Project:
(E21) WALL SHELF	(E74) WALK- IN COOLER (CONVERT PART TO WALK-IN FREEZER)	F21 28"X46" 4-PERSON TABLE, DINING HEIGHT	
E21.) WALL SHELF	(E75) EXHAUST HOOD (EXISTING TO REMAIN AS IS)	F22 48"X24" SERVICE STATION CABINET	In Inter Classics D A
E22 SPARE NUMBER	(E76) CONDENSATE HOOD (EXISTING TO REMAIN AS IS)	F23> 72"x24" PATIO BAR COUNTER, DINING HEIGHT	JoJo's Shake BA
E23 STORAGE SHELVING	E77 BUN RACK	F24 96"x24" PATIO BAR COUNTER, DINING HEIGHT	
(E24) PIZZA PREP TABLE	(E78) HEATED TOPING DISPENSER	F25> 72" BENCH SEAT, DINING HEIGHT	
(E25) PIZZA PREP TABLE	(E79) INDUCTION RANGE	F26> 28"X94" 6-PERSON TABLE, DINING HEIGHT	9101 International Dr
(E26) WORKTABLE	(E80) ICE MAKERS		Suite 1208 Orlando, FL 32819
(E27) PASS THRU UNDERBAR COCTAIL STATION (EXISTING TO BE RELOCATED)	(80.) ICE BIN		5.1.d.1.05, 1 2 0 2 0 1 0
(E28) STORAGE SHELVING	(E81) ICED TEA BREWER		
(E29) STORAGE SHELVING	(E82) COFFEE MAKER		DDG Project No. 15001
(E30) PLATE CABINETS	(E83) SOFT SERVE ICE CREAM MACHINE		Copyright 2022 This drawing is an instrument of service, an remains the property of Dungan Design Gremission for use of this document is limited.
(E31) MOP SINK (EXISTING TO REMAIN AS IS)	(E84) SHAKE DISPENSER		remains the property of Dungan Design Gr Permission for use of this document is limite be extended only by written agreemen Dungan Design Group, LLC.
(E32) WALL SHELVES	LOY OF MILE SHOP ENGLISH		Dungan Design Group, LLC.
CORNER 63"X63"X26" 3-COMPARTMENT SINK (EXISTING TO REMAIN AS IS)			
E34 HEAT LAMPS			
E35 SHORTY COOK TOP REFRIGERATOR			
E36 WORKTABLE			
E37 WORKTABLE			Issue Record
E38 NEW HAND SINK			PERMIT ISSUE 05/
E39 HAND SINK (EXISTING TO REMAIN AS IS)			
(E40) WORKTABLE W/ SINK			
(E41) WOOD TOP WORK TABLE			
E42 REACH-IN REFRIGERATOR			Revision Record
E43 REACH-IN FREEZER			Nevision Needla
E44 REACH-IN FREEZER			
E45 POPSICLE MACHINE			
E46 UNDERCOUNTER REFRIGERATOR			
E47 SHELVING			
E48 BAG IN BOX SODA SYRUP RACK			
E49 BULK CO2 TANK			
E50 LINEN STORAGE CABINET			
(E51) WAREWASHER			Furniture Fixtures
(E52) CLEAN DISH TABLE (EXISTING TO REMAIN AS-IS)			Furniture, Fixtures Equipment Sched
(E53) DIRTY DISH TABLE & SINK (EXISTING TO REMAIN AS-IS)			
			Λ121

AIJI

RCP Legen	d												
FIXTURE SYMBOL	FIXTURE TYPE	DESCRIPTION	FIXTURE SYMBOL	FIXTURE TYPE	DESCRIPTION	FIXTURE SYMBOL	FIXTURE TYPE	DESCRIPTION	FIXTURE SYMBOL	FIXTURE TYPE	DESCRIPTION	FIXTURE SYMBOL	FIXTURE DESCRIPTION TYPE
٥	L1	SURFACE MOUNTED LIGHT Color: TBD	г - ф-г	L5	3" LED RECESSED DOWNLIGHT Color: Black, Manf: USAI Lighting	0	L13	PATIO FESTOON LIGHT Existing to remain.		F(E)	KITCHEN TROFFER LIGHT Existing to remain.		L16 Existing to remain.
· 	L1B	4" LED RECESSED DOWNLIGHT Color: Black, Manf: Contech Lighting	0	L7	3 1/2" INTEGRADED LED CYLINDER Color: Black, Manf: Contech Lighting		L15	EXTERIOR WAREHOUSE GOOSENECK Match Existing	0	W(E)	WALL MOUNTED WALK—IN COOLER FIXTURE Existing to remain.		WALL MOUNTED EXTERIOR SPOTLIGHT L17 Color: Black, Manuf: Insight Lighting,
· 	L1W	4" LED RECESSED DOWNLIGHT Color: White, Manf: Contech Lighting		L9	DAYTON PENDANT Color: Black, Manf: Lightology	•	N(EX)	EXIT SIGN Match Existing Color & Finish		N(E)	CEILING MOUNTED WALK—IN COOLER FIXTURE Existing to remain.		Model: Prospot 6
9	L2B	TRACK LIGHT BLACK (B.O. TRACK @ 10'-0" AFF) Color: Black, Manf: Contech Lighting	C===1	L6	LED ROPE LIGHT (LIGHT TO BE INSTALLED UNDER BARTOP) Color: White		C(E)	RECESSED LIGHT Existing to remain.	©	H(E)	RESTROOM SCONCE LIGHT Existing to remain.		
î	L3	NAUTICAL CYLINDAR WALL SCONCE (W/ Metal Cage) Color: JoJo's Custom 'Mint', Manuf: Beautiful Halo (Or Equal), Orientation: Down	c===1	L8	CUSTOM NEON SIGN TBD	⊕	(E)EX	EXIT SIGN Existing to remain.	0 0	E(E)	WALL/CEILING MOUNTED EMERGENCY FIXTURE Existing to remain.		
•	L4	MILK DROP Ceiling Mounted, RE: Elec.	c===1	L11	RGB TAPE LIGHT (LIGHT TO BE INSTALLED UNDER BARTOP) RE: Electrical Drawings	-ф-	G(E)	RECESSED LIGHT Existing to remain.					

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EXISTING LAY-IN CEILING
EL. 10'-0" A.F.F.

N(E)

|-----

N(E)

 $\bigoplus \Phi_{G(E)}$

IWALK-IN FREEZER

- NEW CANOPY, RE: A301

- EXTERIOR GOOSNECK LIGHT, RE: A301

EXISTING LAY-IN CEILING

- EXISTING TYPE II HOOD,

RE: MECHANICAL DRAWINGS

EXISTING GYPSUM BOARD CEILING

FIXTURES TOHREMAIN, TYP.

EL. 10'-0" A.F.F.

EL. 12'-0" A.F.F.

-EXISTING EXIT SIGN TO REMAIN U.N.O., TYP, RE: ELECTRICAL DRAWINGS

EQUIPMENT AND FURNITURE BELOW SHOWN DASHED, TYP.

- EXISTING DUCTWORK, TYP, RE: MECHANICAL DRAWINGS

─B.O. TRACK @ 9'-10" U.N.O., TYP.

- EXTEND DUCTWORK AS SHOWN, RE: MECHANICAL DRAWINGS

NEW GYPSUM BOARD CEILING

EXISTING GYPSUM BOARD CEILING

- NEW DUCTWORK AS SHOWN, RE:

MECHANICAL DRAWINGS

- REPLACE EXISTING CANOPY FABRIC WITH NEW, RE: A301

EL. 8'-6" A.F.F.

EXISTING LAY-IN CEILING
EL. 9'-6" A.F.F.

EXISTING LIGHT FIXTURE, TYP., RE: ELECTRICAL DRAWINGS —

EXISTING TYPE I HOOD, RE: MECHANICAL DRAWINGS -

CEILING WITH EXISTING —

CENTER NEW FIXTURE IN

LAY-IN CEILING PANEL, TYP.-

ALIGN CEILING WITH F.O. WALL

ALIGN NEW LAY-IN

NEW SUPPLY, RE: MECHANICAL DRAWINGS -

NEW LAY-IN CEILING
EL. 8'-6" A.F.F.

NEW HEADER @

8'-0" AFF ----

EL. 8'-10" A.F.F.

NEW GYPSUM BOARD CEILING

DASHED LINE REPRESENTS

CEILING, MATCH EXISTING -

EXTENT OF NEW LAY-IN

CENTER LIGHT FIXTURES

IN CEILING TILE AS

SHOWN, TYP. —

SUPPLY/RETURN,

RE: MECHANICAL

DRAWINGS, TYP.

GOOSENECK LIGHT, RE: A301, TYP.-

REPLACE EXISTING

NEW, RE: A301-

START NEW LAY-IN

SUSPENDED DINING

ROOM CEILING ELEMENT

@ 10'-0" AFF, FINAL

BY OWNER AND G.C., TYP. OF (4), RE:

ELECTRICÀL DRAWINGS -

CENTER LIGHT OVER NEW PICK-UP WINDOW -

NEW EXIT SIGN, CENTER ABOVE DOOR, TYP. RE:

ELECTRICAL DRAWINGS -

LOCATION AND DESIGN TO BE COORDINATED

CEILING GRID

NEW LAY-IN CEILING
EL. 8'-10" A.F.F.

PATTERN HERE -

RELOCATE

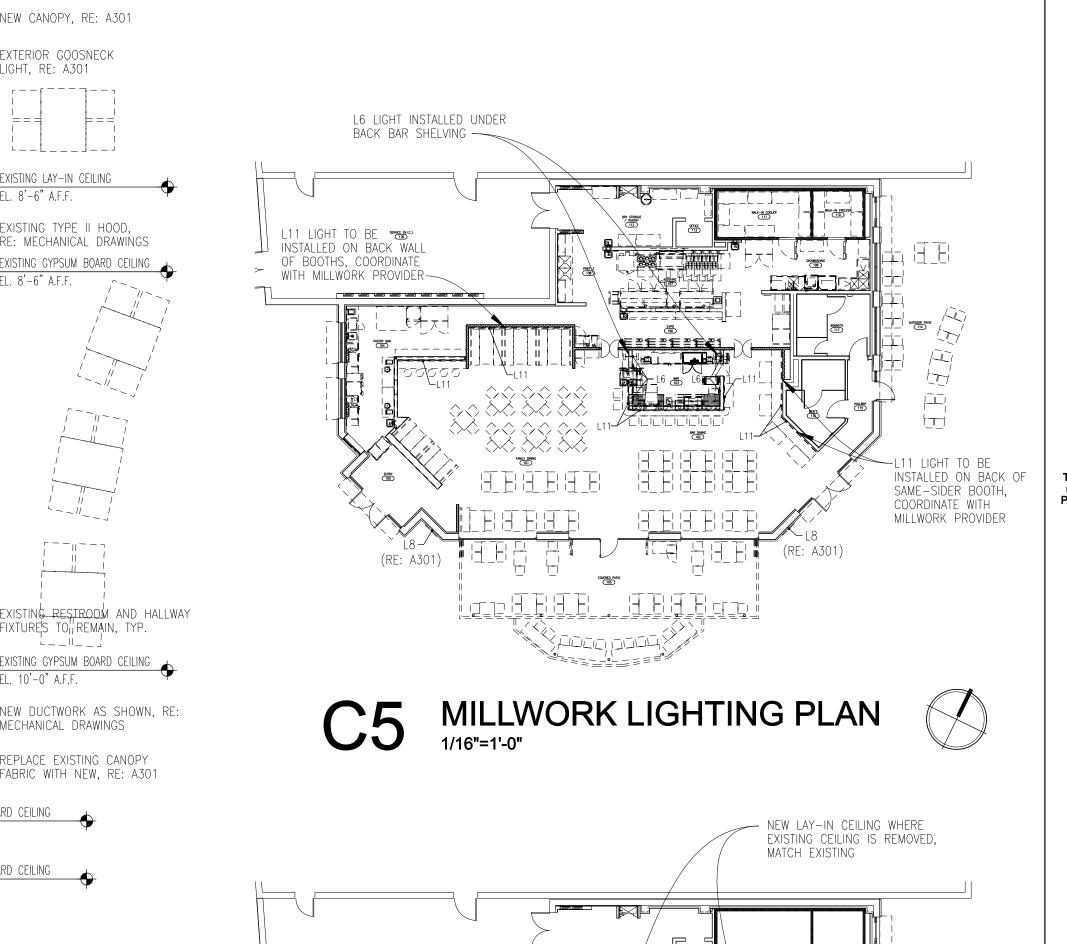
EXTERIOR

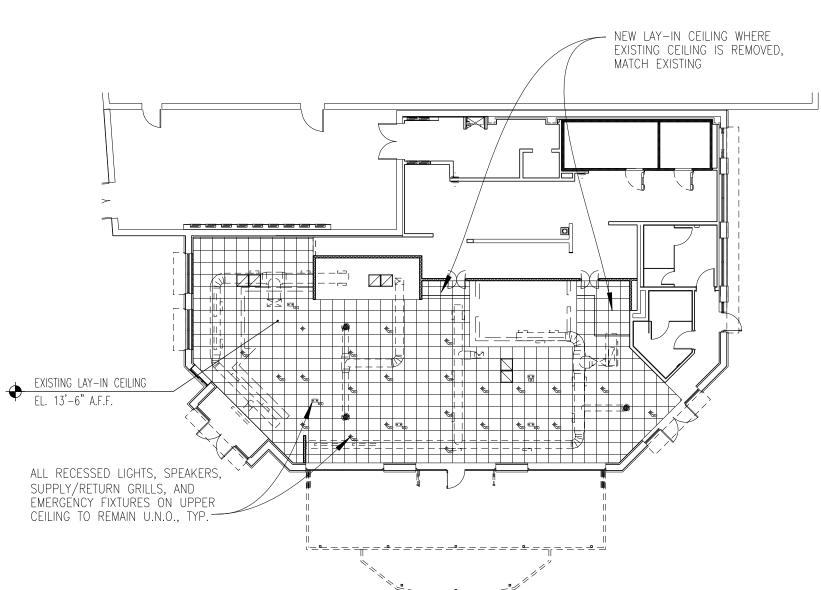
General Notes

- 1. ALL CEILING HEIGHTS INDICATED ARE TO BOTTOM OF FINISHED CEILING 2. UNISTRUT TO BE GALVANIZED. PROVIDE MATCHING CLOSER STRIPS AND END CAPS. CLOSER STRIP TO BE APPLIED TO THE UNDERSIDE OF THE
- 3. ALL CONDUIT IN DINING AREA SHALL BE RUN ABOVE LAY-IN CEILING AND NOT EXPOSED TO VIEW. 4. LIGHT DETAILS ARE LOCATED ON THIS SHEET. FIXTURE AND LAMP
- 5. ALL UNISTRUT SUPPORTING CEILING ELEMENTS AND/OR DUCT WORK SHALL NOT CONTAIN ANY ELECTRICAL CONDUIT. ALL ELECTRICAL CONDUIT

SPECIFICATIONS ARE LOCATED ON ELECTRICAL DRAWINGS.

- MUST RUN IN SEPARATE UNISTRUT. 7. ALL DIMENSIONS ARE TO THE FACE OF GYPSUM BOARD. CENTER OF DUCTWORK OR CENTER OF LIGHT FIXTURE, UNLESS NOTED OTHERWISE.
- 8. SEE ELECTRICAL DRAWINGS FOR SHATTER RESISTANT LAMP LOCATIONS. 9. ANY LIGHT FIXTURE NOTED WITH "(E)" IS AN EXISTING LIGHT FIXTURE TO BE REUSED.
- 10. SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION & DIMENSIONS. 11. ACTUAL HEADER AND CEILING HEIGHT TO BE ADJUSTED IN FIELD SO THAT THERE ARE FULL TILES/BRICKS BETWEEN TOP OF BASE AND FINISHED
- CEILING OR HEADER. 12. GC SHALL FIND AND REPLACE ALL EXISTING DAMAGED CEILING TILES WITH
- 13. ALL LIGHTS IN LAY-IN CEILING TO BE CENTERED WITHIN GRID.
- 14. ALL EXISTING EMERGENCY LIGHT FIXTURES SHALL REMAIN U.N.O.





UPPER REFLECTED CEILING PLAN
1/16"=1'-0"



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JoJo's Shake BAR

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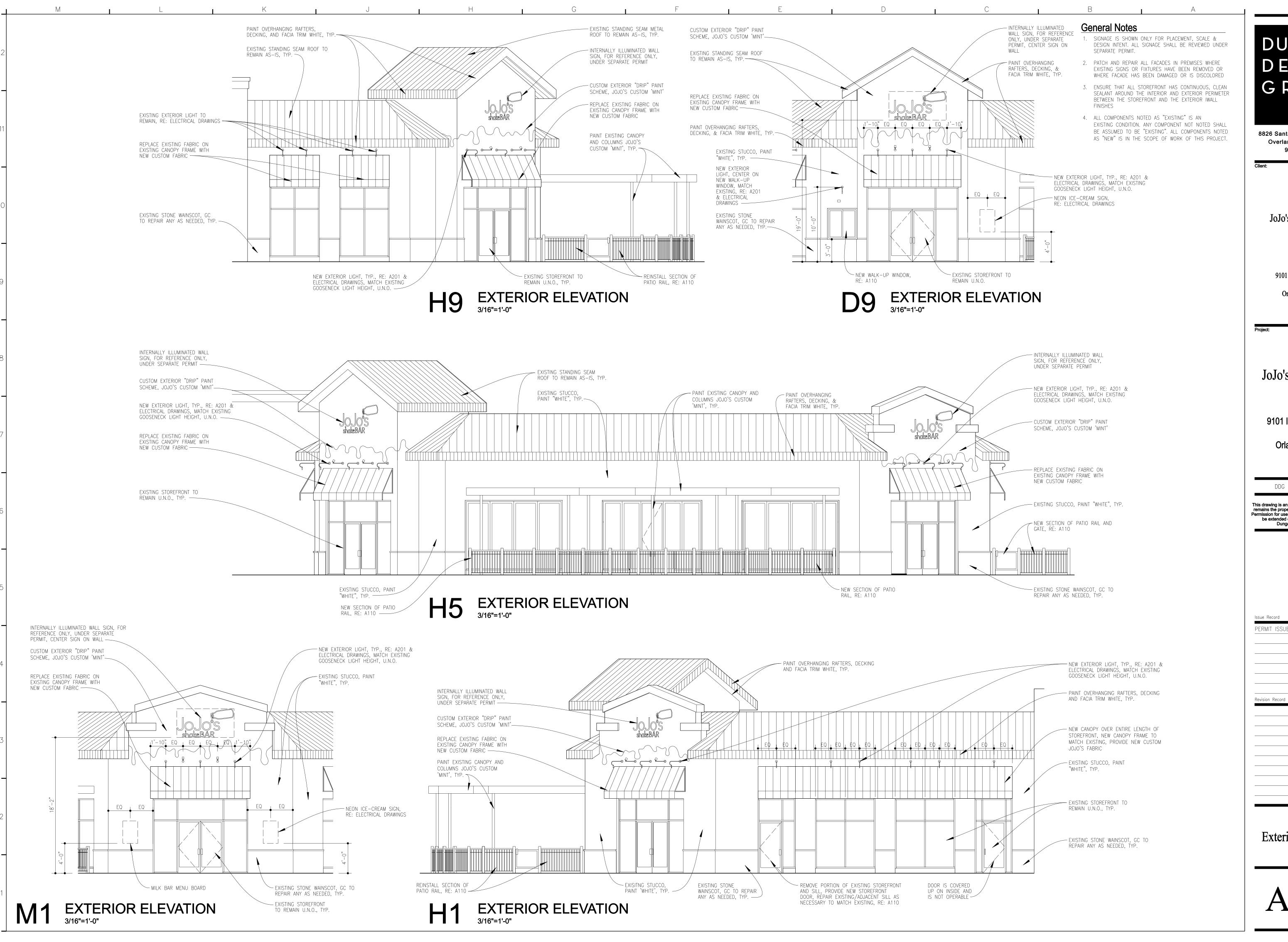
Revision Record

Reflected Ceiling



REPLACE EXISTING CANOPY FABRIC WITH NEW, RE: A301

NEW GYPSUM BOARD CEILING EL. 10'-0" A.F.F. (F.V.)



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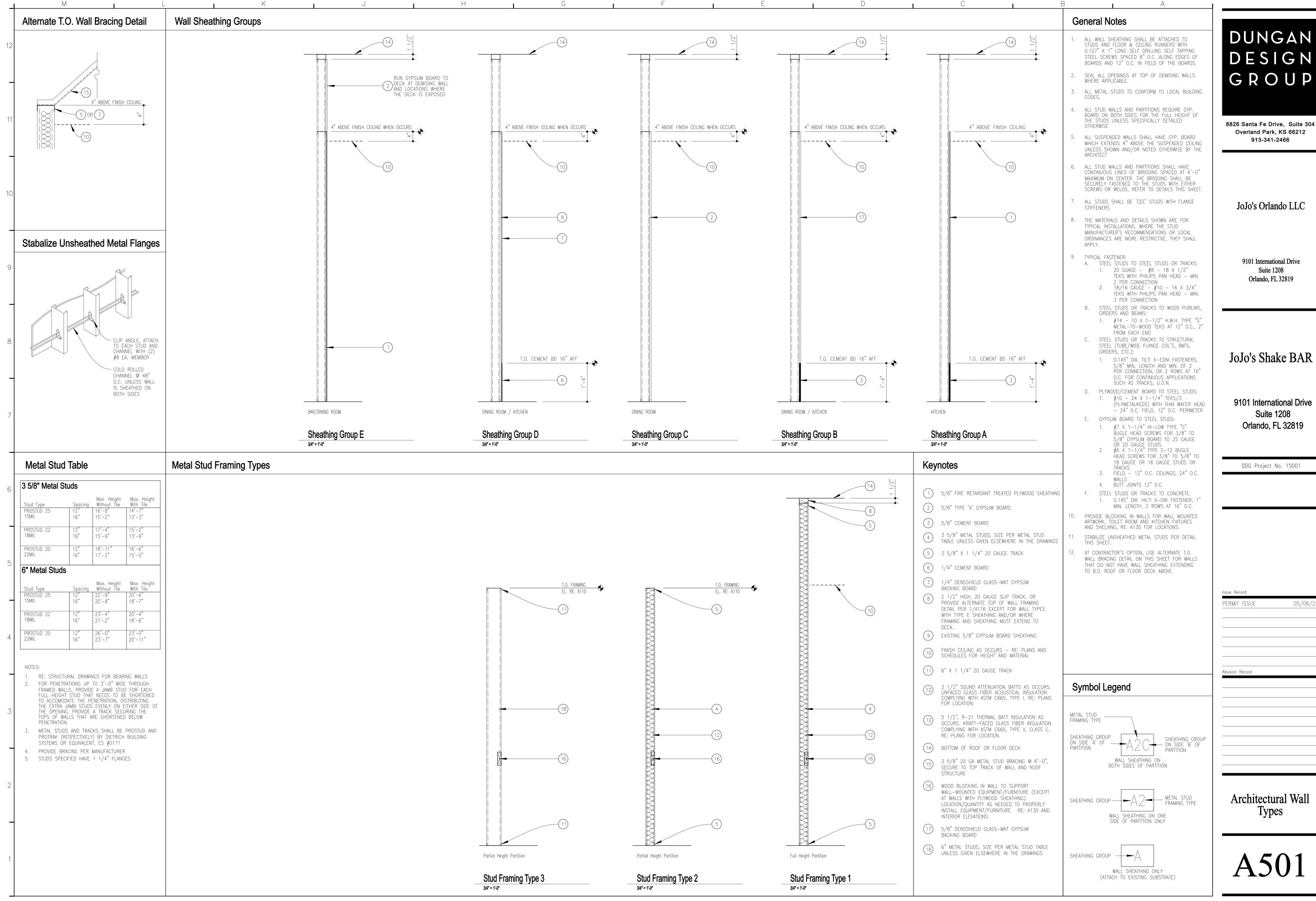
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Exterior Elevations



05/06/22

General Notes

- 1. ALL DIMENSIONS ARE TO F.O. EXISTING WALL, FINISHED FACE OF NEW WALL, AND/OR CENTERLINE OF STRUCTURE U.N.O.
- 2. SEE A120 FOR FINISH PLAN AND FINISH SCHEDULE
- 3. SEE SHEET A501 FOR WALL TYPE DETAILS
- 4. SEE INTERIOR ELEVATIONS FOR ADDITIONAL DIMENSIONS ON SHEET A701
- 5. PROVIDE BLOCKING IN WALLS FOR WALL-MOUNTED EQUIPMENT, ARTWORK, FURNITURE, AND KITCHEN FIXTURES.

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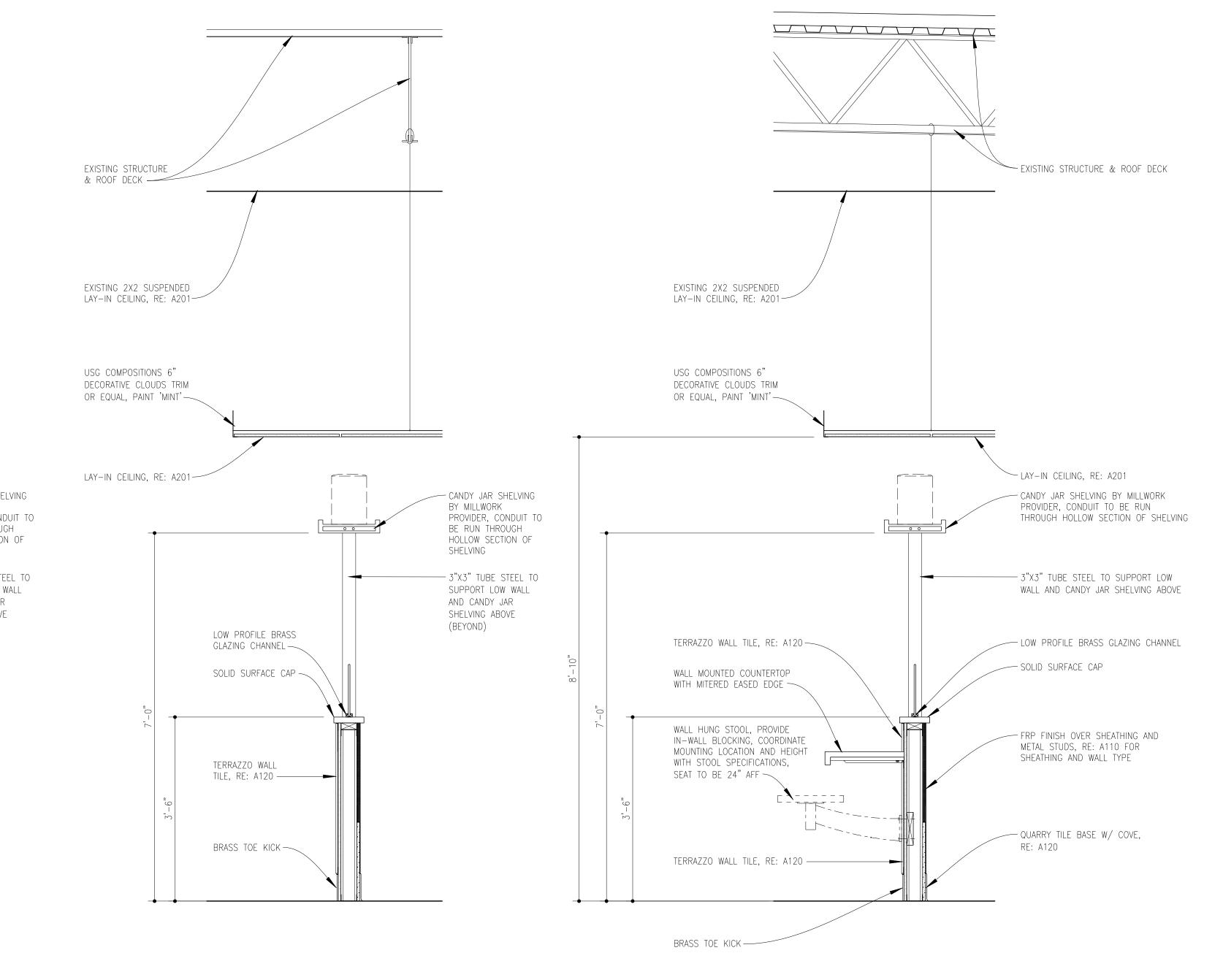
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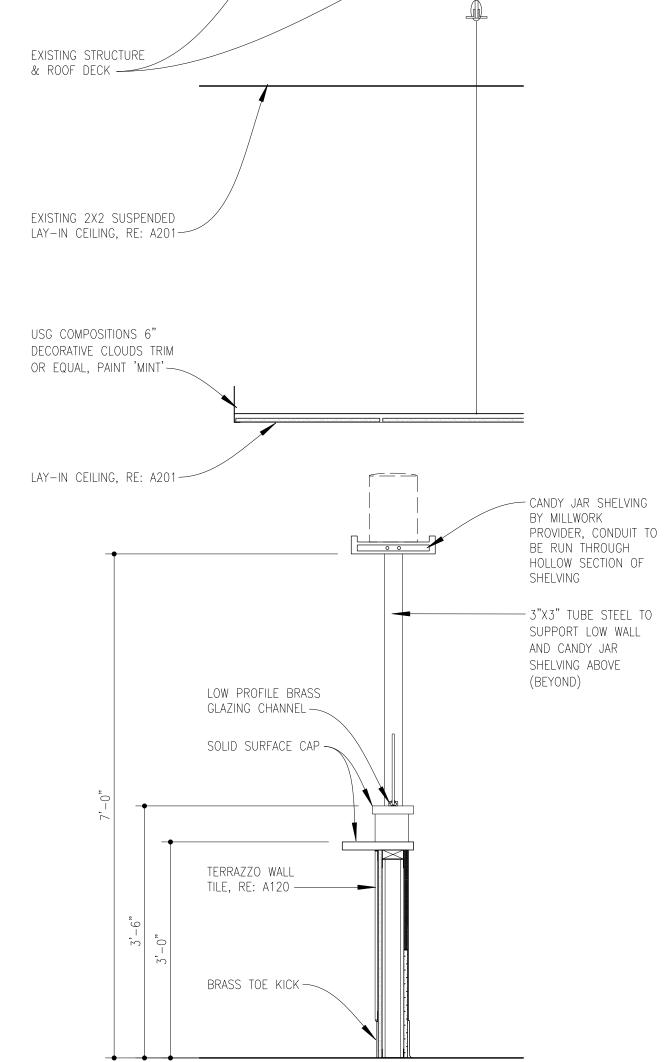
Revision Record

Interior Sections

A 502

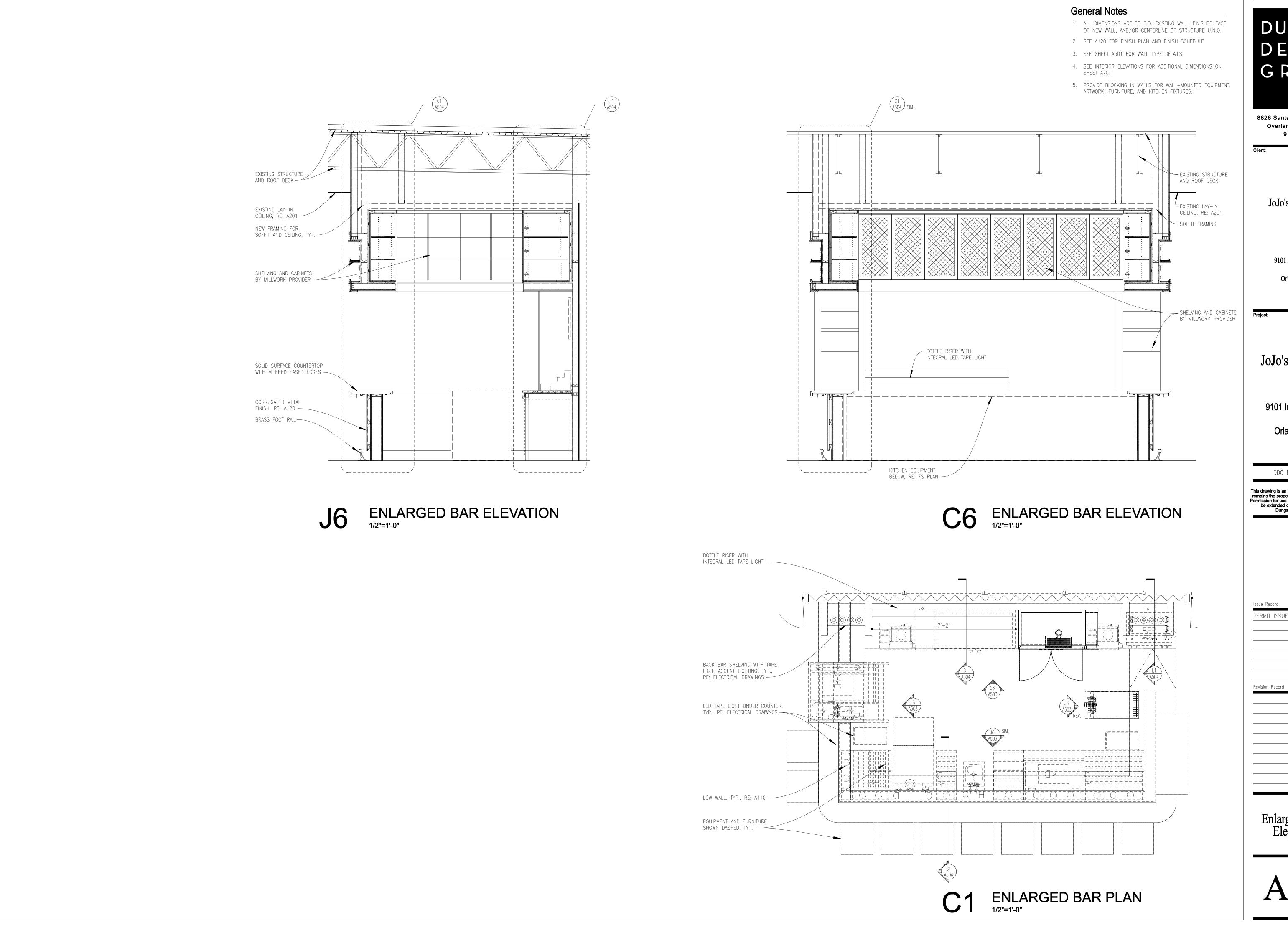


C2 FLOOR PLAN
3/4"=1'-0"



J2 FLOOR PLAN
3/4"=1'-0"

F2 FLOOR PLAN
3/4"=1'-0"





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Enlarged Bar Plan, Elevations, & Details

General Notes

- 1. ALL DIMENSIONS ARE TO F.O. EXISTING WALL, FINISHED FACE OF NEW WALL, AND/OR CENTERLINE OF STRUCTURE U.N.O.
- 2. SEE A120 FOR FINISH PLAN AND FINISH SCHEDULE
- 3. SEE SHEET A501 FOR WALL TYPE DETAILS
- 4. SEE INTERIOR ELEVATIONS FOR ADDITIONAL DIMENSIONS ON SHEET A701
- 5. PROVIDE BLOCKING IN WALLS FOR WALL-MOUNTED EQUIPMENT, ARTWORK, FURNITURE, AND KITCHEN FIXTURES.



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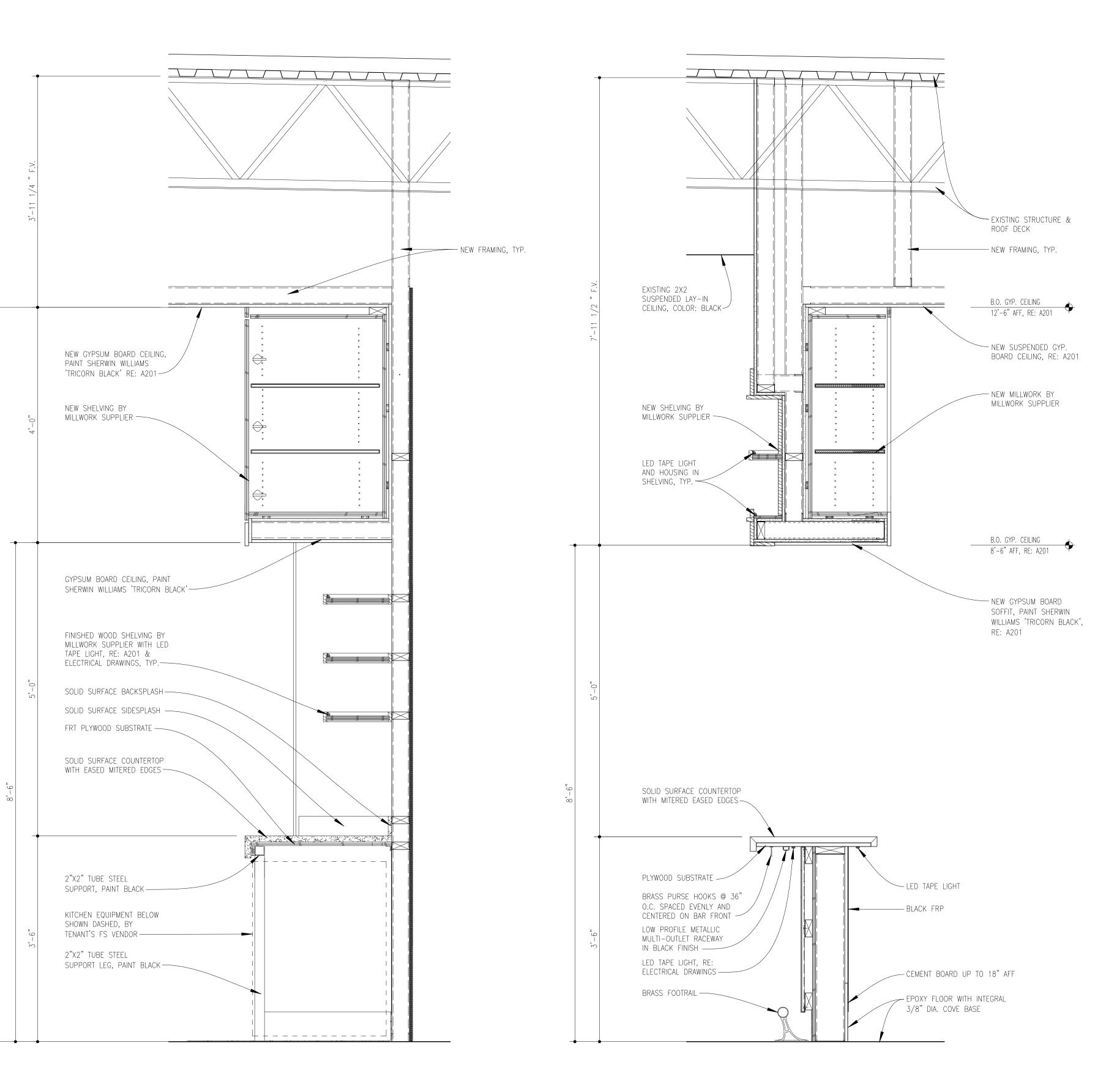
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Revision Record

Enlarged Bar Sections & Details

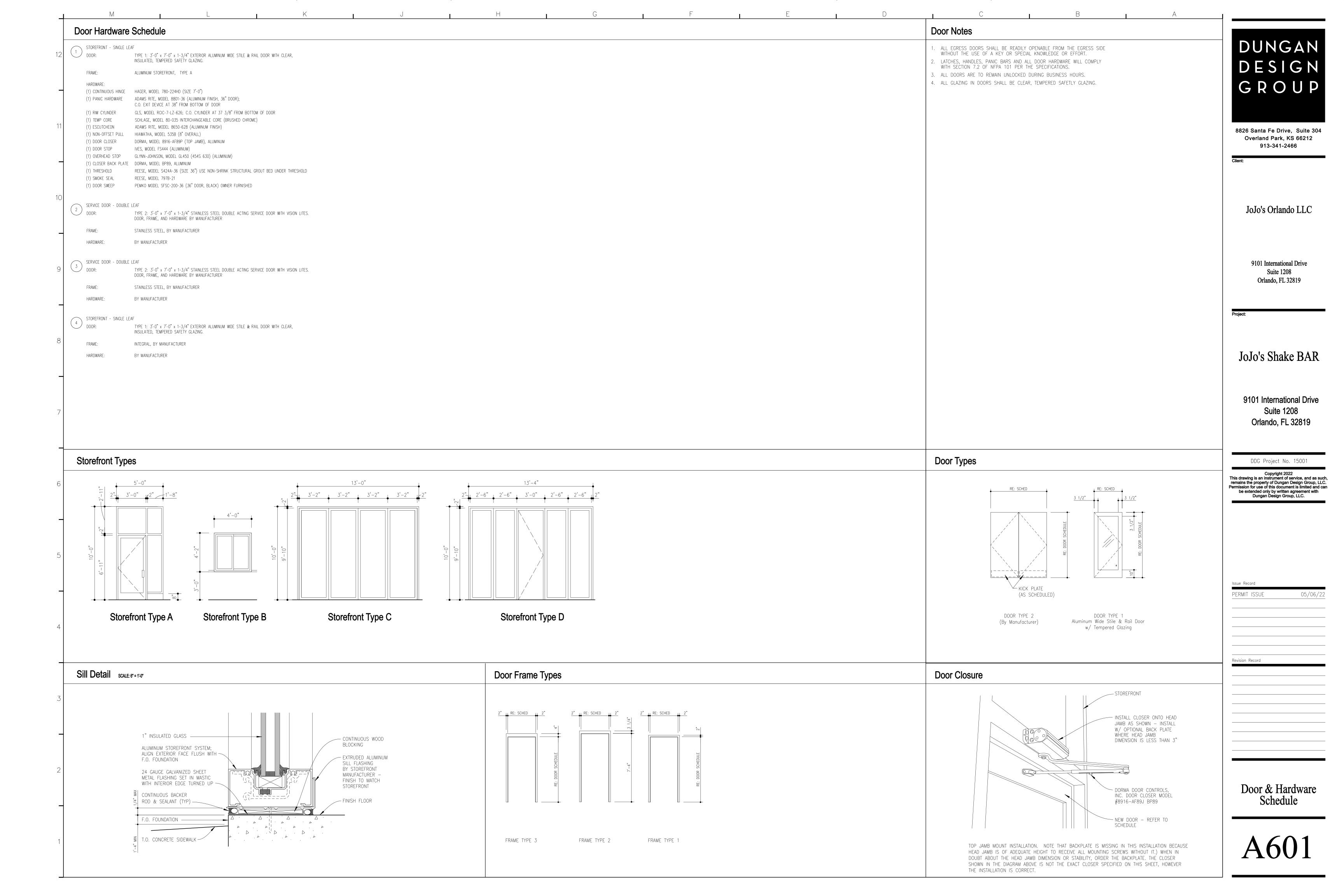


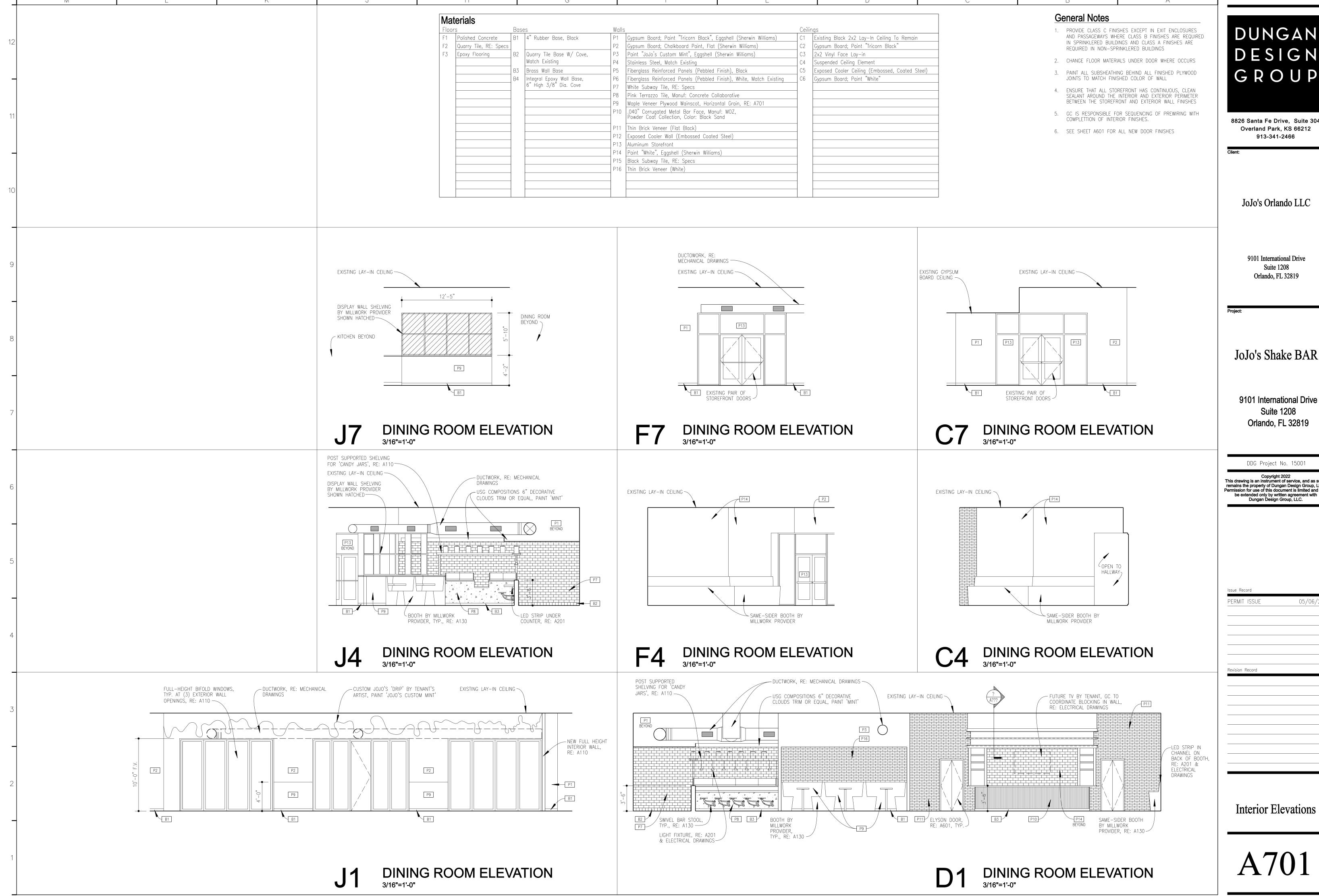
NEW GYPSUM BOARD CEILING, PAINT SHERWIN WILLIAMS 'TRICORN BLACK' RE: A201 — NEW SHELVING BY MILLWORK SUPPLIER — GYPSUM BOARD CEILING, PAINT SHERWIN WILLIAMS 'TRICORN BLACK' WALL MOUNTED TV BY TENANT, G.C. TO COORDINATE BLOCKING IN WALL -BRASS ACCENT TRIM BEYOND FINISHED WOOD BACK BAR MILLWORK BEYOND, BY MILLWORK PROVIDER — SOLID SURFACE BACKSPLASH —— BOTTLE RISERS — SOLID SURFACE SIDESPLASH — SOLID SURFACE COUNTERTOP WITH EASED MITERED EDGES — 2"X2" TUBE STEEL SUPPORT, PAINT BLACK — FRT PLYWOOD SUBSTRATE — KITCHEN EQUIPMENT BELOW SHOWN DASHED, BY TENANT'S FS VENDOR -2"X2" TUBE STEEL SUPPORT LEG, PAINT BLACK —

SECTION @ BACK BAR

G1 SECTION @ BACK BAR SHELVES

C1 SECTION @ BAR SOFFIT





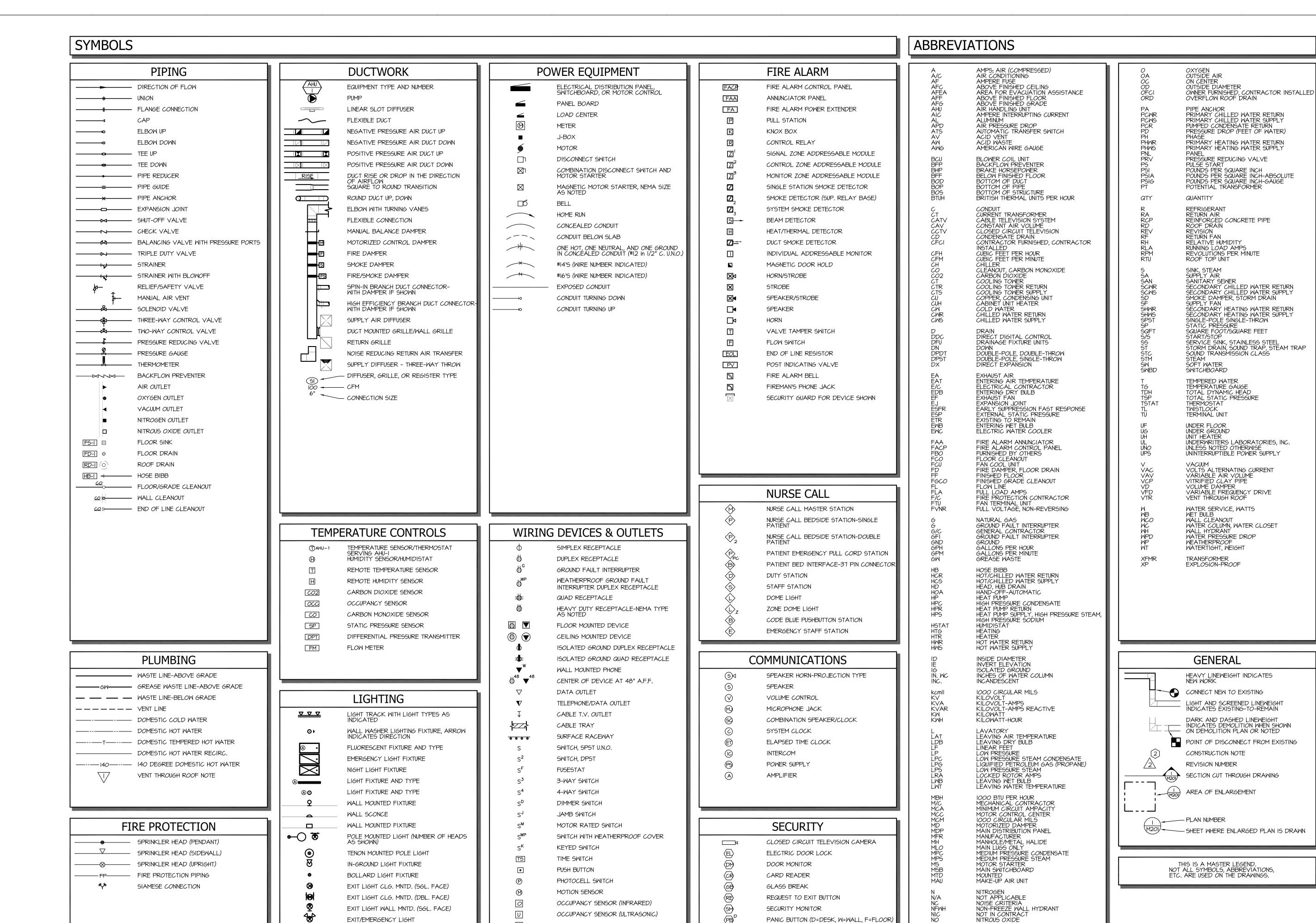
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D

EMERGENCY LIGHT

CEILING FAN

DUAL TECHNOLOGY OCCUPANCY SENSOR

POWER PACK

KEY PAD

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Client:

JoJo's Shake BAR

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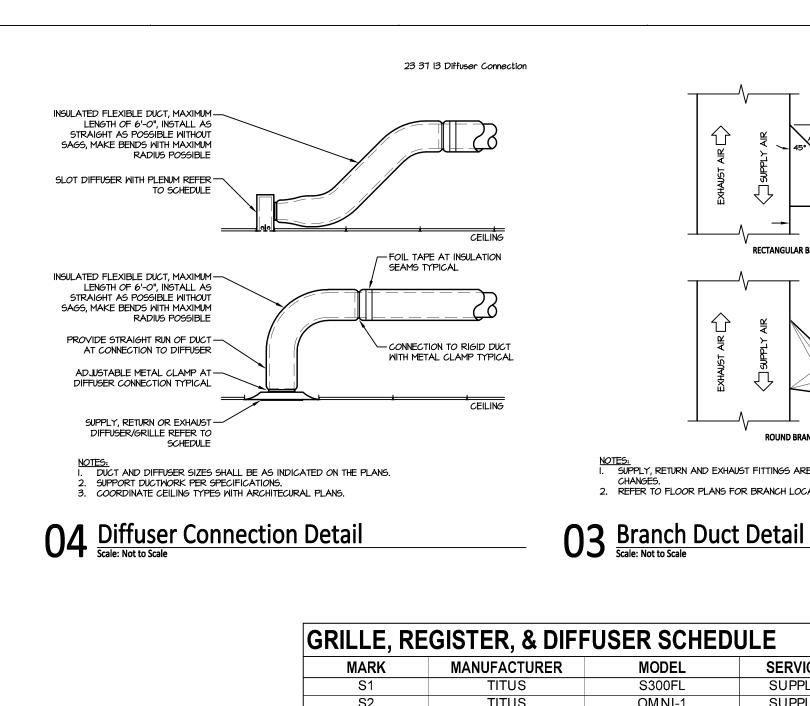
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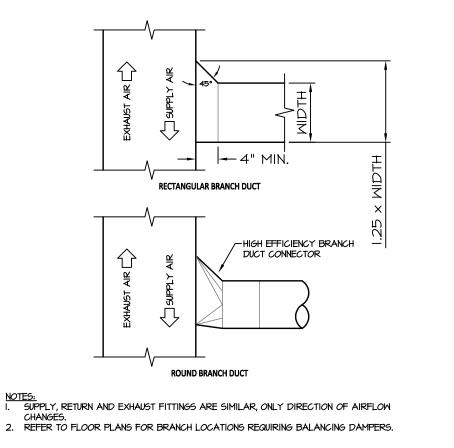
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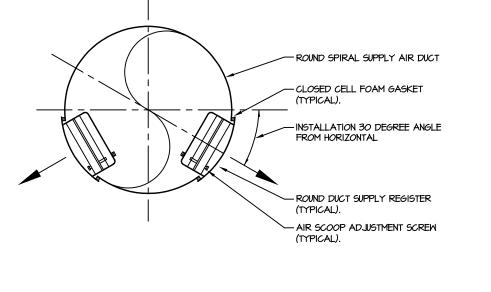
Revision Record

Symbols Legend

MPE101





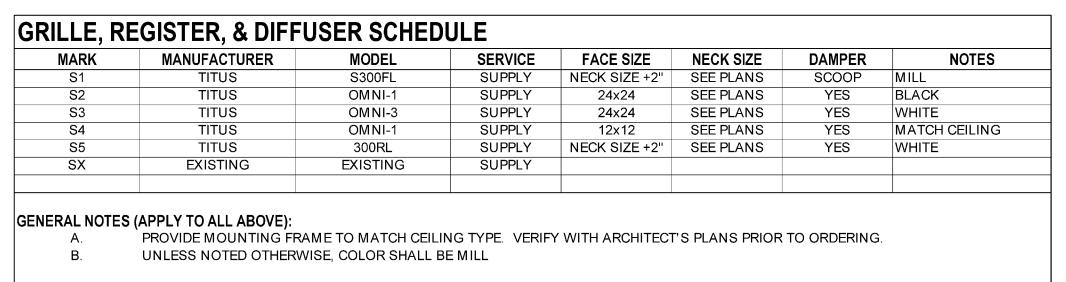


NOTES:

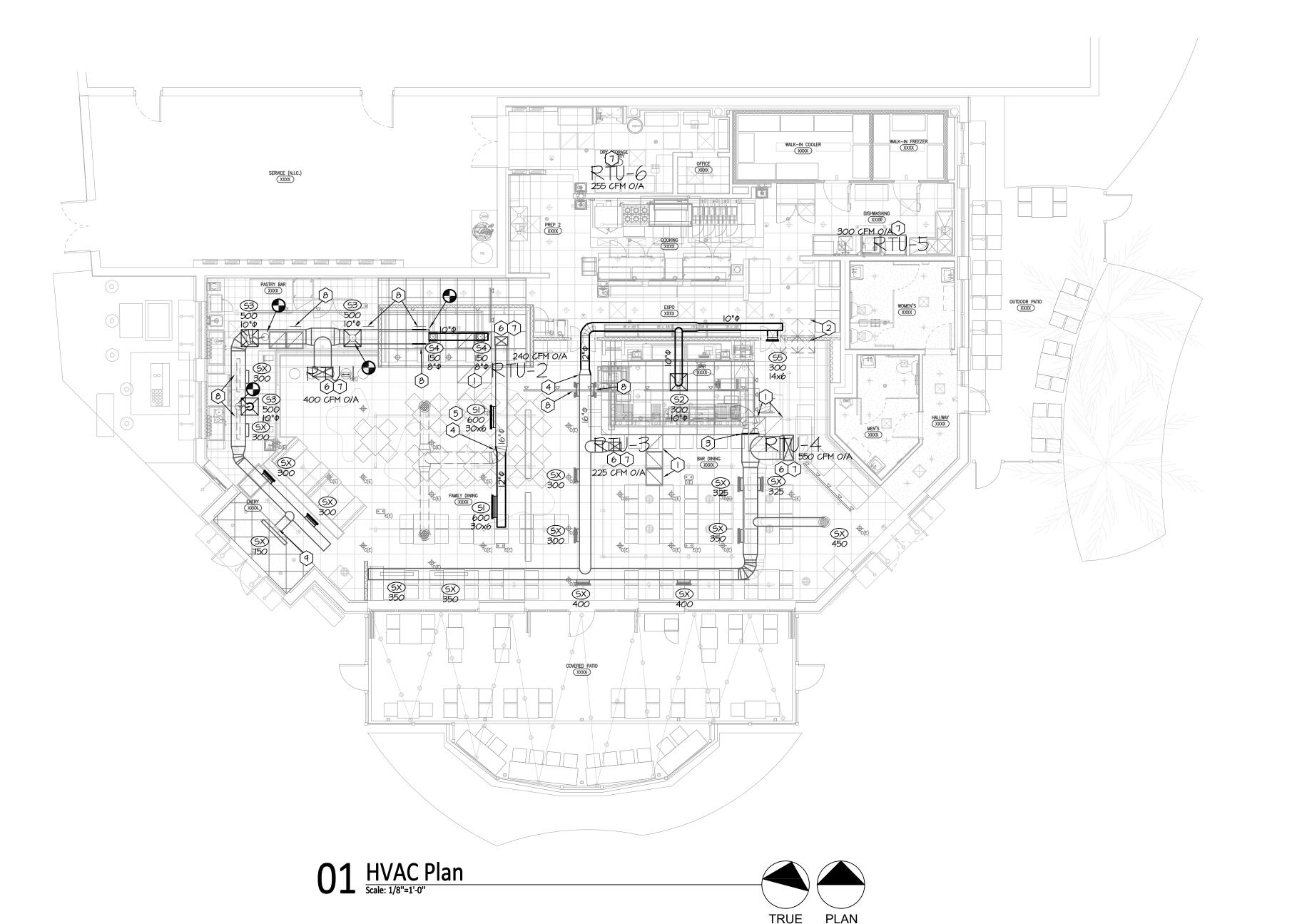
1. REFER TO EQUIPMENT SCHEDULES FOR REQUIRED ACCESSORIES AND FINISHES.

2. ADJUST BLADE DEFLECTION TO AIR DISTRIBUTION INDICATED ON THE PLANS. ADJUST AIR SCOOP EXTRACTOR TO BALANCE GRILLES TO AIRFLOW INDICATED ON THE

O2 Spiral Duct Mounted Supply Grille Detail



NORTH NORTH



PLAN NOTES:

- 1. Relocate return grills and extend return plenum as required for new location. 2. Relocate supply diffuser(s) as shown and extend branch duct.
- 3. Demo duct to point shown and cap.

filters after construction ends.

- 4. Demo duct to point shown and extend main. 5. Provide new spiral mounted diffuser on existing duct as shown.
- shall provide CFM indicated. 7. Provide service and repair as needed for existing RTU's to ensure proper operation. Repairs include, but are not limited to: replace any worn or broken mechanical or electrical components including fan components, belts, motors, compressors, capacitors, and crankcase heaters. Clean all coils. Provide new

6. Rebalance RTU to CFM indicated based on sum of on diffusers. O/A dampers

A. Any interruption of existing services and/or equipment shall be performed at a time approved in advance by the owner's representative so as not to interfere

B. These drawings are diagrammatic and indicate the general extent of the work. The exact extent of demolition shall be as required by the new work.

C. Owner shall have first rights to all devices and equipment removed during demolition. Coordinate with the owner prior to final removal.

D. All mechanical items to be removed shall be removed complete with all

F. Items shown as existing to remain are as taken from existing building drawings and field verified by engineer. Exact conditions shall be field verified by contractor and any conflicts which affect the scope of the project

SHEET METAL GENERAL NOTES:

A. These drawings are diagrammatic and indicate the general extent of the

which are required due to space constraints or other conditions. B. Coordinate the installation of the ductwork and equipment with the work of all other trades. Verify all clearances prior to the fabrication of any system

code required working clearance around all electrical equipment. D. Provide all miscellaneous supporting steel, etc. for the proper installation of

work. Provide sheet metal systems complete and per applicable codes including all necessary offsets, fittings and special radius or mitered elbows

C. Ductwork shall not be located over electrical equipment/panels. Provide the

E. Coordinate floor, wall, roof penetrations, louver sizes, pad locations, etc. with

F. Refer to architectural reflected ceiling plans and wall elevations for exact

G. All runouts to supply diffusers shall be provided with balancing dampers. Provide concealed damper operators where located above hard ceilings. H. Branch ductwork to diffusers, registers or grilles shall be neck size unless

I. Provide access doors in hard ceiling areas for access to terminal units,

balancing dampers, terminal unit heating coil piping, etc. Refer to architectural drawings for ceiling types. coordination with the architectural

E. All electrical items to be removed shall be removed complete with all related

related items including hangers, supports, controls, etc. Cap all open ended

items including hangers, conduit, wire, etc. unless noted otherwise on plans.

8. Demo diffuser and cap duct; or cap diffuser.

DEMOLITION NOTES:

with the present building operation.

pipes and ductwork.

shall be reported to engineer.

all mechanical systems.

the architectural trades.

noted otherwise.

9. Extend duct as required and mount diffuser in new ceiling.



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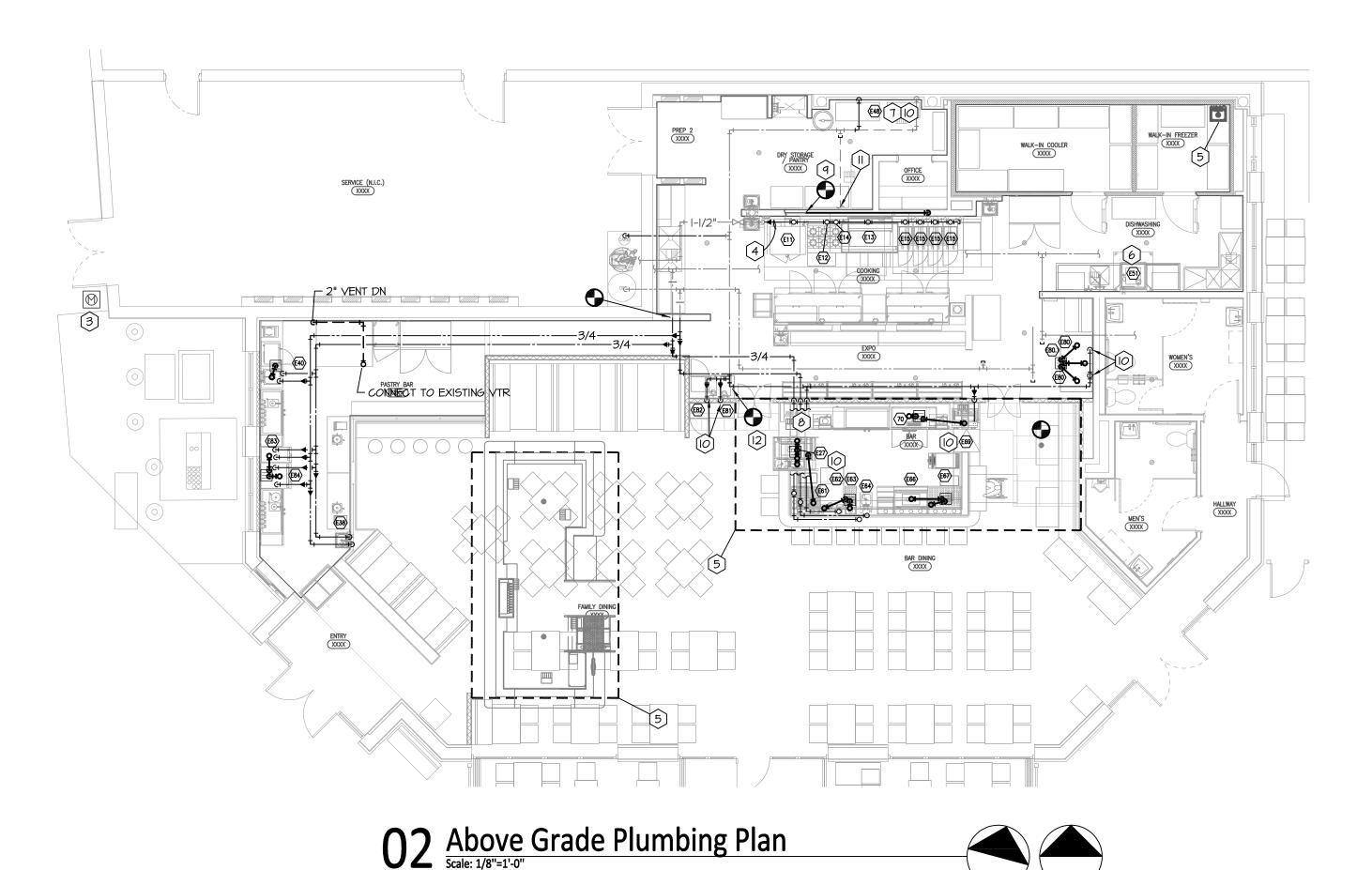
HVAC MATERIAL NOTES:

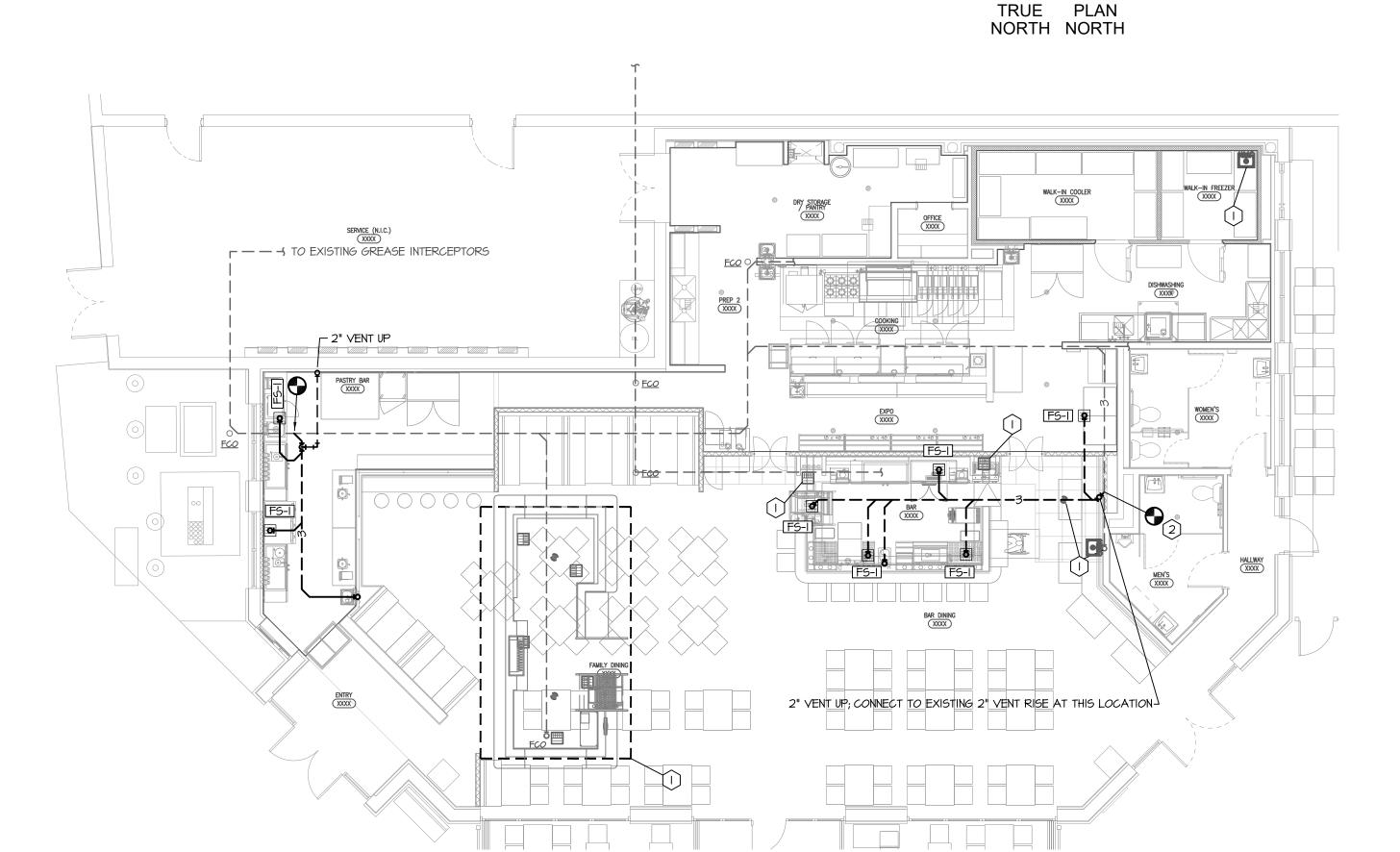
location of grilles, registers, and diffusers.

- A. DUCTWORK, RECTANGULAR (low pressure) rectangular exhaust air, pressure relief, low pressure supply air ducts, outdoor air and return air ducts shall conform to the duct construction, gauges, reinforcing and details shown conform to SMACNA Tables 1-5 (2" w.g.) and Tables 1-10 through 1-13. Branch takeoffs shall be the 45 deg. entry design with manual damper (STO
- B. DUCTWORK, ROUND (low pressure) ducts 10" and smaller in diameter shall be constructed per SMACNA Table 3-2, 2" w.g. (pos.), first edition, 1985, for galvanized steel with grooved longitudinal seam and sleeved type transverse joint, pipe riveted. Hangers shall be 2" band, attached at duct joints with draw bands.
- C. DUCTWORK, ROUND (low pressure) ducts 12" and larger in diameter, and all exposed round ducts, shall be ASTM A-527-67 galvanized steel, United Sheet Metal Co. Spiral UniSeal Duct, Semco, or Wesco. All round fittings shall be United Sheet Metal Co. UniForm manufactured from galvanized steel with continuous welds.
- D. FLEX DUCT Flexible ductwork shall be Flexmaster Type 8M, or approved equal, UL-181 Class I air duct, insulated, flexible duct with manufacturer's maximum working pressure rating of 6" W.G. . Medium pressure applications the maximum length shall be 3'-0" and for low pressure applications the maximum length shall be 6'-0".
- E. DUCT VIBRATION ISOLATORS Ventfabrics, Inc. "Metaledge Ventglass" canvas connections for all duct systems at supply, return, and outside air unit connections to air handling units and heat pumps. (Not required on units with integral connections).
- F. BALANCING DAMPERS Manual balancing dampers shall be Ruskin MD35 (rectangular) or MDRS25 (round), or equal, 16ga construction. Dampers can also be incorporated into the STO branch duct fitting.
- G. CONTROL DAMPERS shall be Ruskin CD-35 or approved equal. Outside air and relief air dampers shall be Ruskin CD-50 extruded aluminum, low leakage damper, opposed blade design.
- H. FIRE STOPPING Provide fire stopping, as manufactured by 3M or Hilti, at fire-rated construction to maintain an effective barrier against the spread of flame, smoke, and hot gases. Components shall be compatible with each other, the substrates forming openings, and the items, if any, penetrating the fire stopping under conditions of service and application, as demonstrated by the fire stopping manufacturer based on testing and field experience.
- I. All exposed ductwork shall match that of existing ductwork; double-wall spiral duct with 2" insulation. Dimensions noted on plans are internal diameter.
- J. Concealed supply ductwork shall be wrapped with certainteed softtouch, type 150, FSK faced, 1-1/2" thick, 1.5 PCF, K-value 0.24, R-value = 6.2

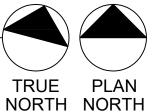
HVAC Plan

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01 Below Grade Plumbing Plan
Scale: 1/8"=1'-0"



PLAN NOTES:

- Demo all sanitary lines to fixtures, including floor sinks & drains, and cap below
- 2. Verify pipe invert depth is adequate for minimum pipe slopes to new fixtures. Alternate routing will be required if not.
- 3. Verify existing gas meter and service regulator are sized for added gas; new total 1,710 MBH. Coordinate with utility to provide new if required. Verify

existing regulator is sized for new total, and that pressure is reduced to 10" w.c.

- Provide new if required. 4. Demo existing 1-1/2" gas line behind kitchen equipement (retain vertical drop), provide new 2" gas pipe behind kitchen equipment. Provide taps for equipment per food service plans.
- 5. Demo all DCW, HW, & vent lines from removed fixtures.
- 6. Connect to existing 3/4" HW line connection.
- 7. Re-reoute existing treated DCW line from existing soda carbonator location to
- 8. Route 3/4" HW, CW, and treated water lines concealed within bar.
- 9. Extend existing oil reclaim piping to new fryer location. 3/4" line centered behind fryers and stubbed out 1" from wall. Refer to detail.
- 10. Provide double check style backflow preventer at connection to device; Watts SD-3 or equal.
- 11. Demo treated water line to removed tea brewer and ice maker.
- 12. Reconnect 3/4" treated water line from demo'd icemaker to fixtures as shown.

FOOD SERVICE EQUIPMENT NOTES Refer to food service equipment plans for sanitary, DCW, HW, and/or gas connection requirements. Provide all required pipe and connections.

Provide 12" square floor sink with 3" drain connection. Wade 9130 or equal. 6-1/4" deep body, Enameled interior, sediment bucket, nickel bronze rim and grate, 3/4 grate. Provide Sureseal SSX000V inline floor drain trap seal with ASSE 1072 rating.

PLUMBING MATERIAL NOTES:

- A. SANITARY PIPING shall be Schedule 40 PVC drain waste and vent piping with solvent welded joints if allowed by local jurisdiction and prior approval from Engineer or record. If any vent piping is routed through return air plenum it must be wrapped in fire rated insulated.
- B. DOMESTIC WATER PIPING (above grade) shall be type L copper with lead free sweat fittings, or approved push-to-connect fittings such as as Viega
- C. DOMESTIC WATER PIPING (below grade) shall be type K copper with silfos joints up to 3" diameter.
- D. NATURAL GAS PIPING shall be Schedule 40 ASTM A-53 black steel pipe with threaded or Viega Megapress fittings for gas piping 2" and smaller, threaded or welded fittings for 2-1/2" and larger. Flexible gas piping in maximum of 24" lengths may be used for final connections to gas appliances Flexible gas piping shall be Gastite corrigated stainless steel tubing, ASTM A240 type 304-321.
- E. PIPE HANGERS $(\frac{1}{2}$ " to 2") shall be adjustable swivel ring hangers.

NOMINAL PIPE SIZE	STEEL (Spacing)	COPPER (Spacing)	
1/2" - 1-1/4"	7'	5'	
1-1/2" - 2"	9'	6'	

F. PIPE HANGERS (2 $\frac{1}{2}$ " and larger) - shall be standard clevis hanger. NOMINAL PIPE SIZE STEEL (Spacing) COPPER (Spacing)

2-1/2" - 3"	11'	10'
4"	14'	10'
6"	17'	_
8"	19'	
10" - 12"	22'	_

G. PIPE INSULATION - shall be Johns-Manville Micro-Lok performed fiberglass pipe insulation (ASTM C 547), Type 1 with ASJ jacket, self sealing lap, k-value of 0.23 at 75 F in thickness as follows:

- H. ISOLATION VALVE (3" and smaller) shall be NVent PL-200, Victaulic Series 569, NIBCO T585-70-66, Jomar T/S 100-SS-N in un-insulated applications and NIBCO T585-70-66-EL in insulated lines, or approved equal, bronze or brass body with TFE seats, stainless steel full port ball and
- I. NATURAL GAS ISOLATION VALVE shall be NIBCO T585-70-UL or Jomar T100NE with U.L. listing and CSA listing, rated at 150 psi SWP/600 psi WOG, two piece cast bronze or brass bodies, TFE seats, stainless steel full port ball, separate packing nut with adjustable stem packing, and anti-blowout stem.
- J. FIRE STOPPING Provide fire stopping, as manufactured by 3M or Hilti, at fire-rated construction to maintain an effective barrier against the spread of flame, smoke, and hot gases. Components shall be compatible with each other, the substrates forming openings, and the items, if any, penetrating the fire stopping under conditions of service and application, as demonstrated by the fire stopping manufacturer based on testing and field experience.

DEMOLITION NOTES:

anti-blowout stem.

- A. Any interruption of existing services and/or equipment shall be performed at a time approved in advance by the owner's representative so as not to interfere with the present building operation.
- B. These drawings are diagrammatic and indicate the general extent of the work. The exact extent of demolition shall be as required by the new work.
- C. Owner shall have first rights to all devices and equipment removed during
- demolition. Coordinate with the owner prior to final removal. D. All mechanical items to be removed shall be removed complete with all related items including hangers, supports, controls, etc. Cap all open ended
- pipes and ductwork. E. All electrical items to be removed shall be removed complete with all related items including hangers, conduit, wire, etc. unless noted otherwise on plans.
- F. Items shown as existing to remain are as taken from existing building drawings and field verified by engineer. Exact conditions shall be field verified by contractor and any conflicts which affect the scope of the project shall be reported to engineer.

PLUMBING GENERAL NOTES:

- A. These drawings are diagrammatic and indicate the general extent of the work. Provide plumbing systems complete and per applicable codes including all required components, offsets required to avoid the structure, ductwork,
- B. Refer to the architectural plans for the exact locations of plumbing fixtures.
- C. Coordinate the installation of plumbing and piping with the work of all other
- D. Piping shall not be located over electrical equipment/panels. Provide the code required working clearance around all electrical equipment.
- E. The contractor shall not locate piping below duct mounted air terminal units, terminal heating coils, or other equipment.
- F. Provide supplementary steel as required for the proper support of all plumbing systems. G. Coordinate the shut down of any existing services and/or equipment with the
- owner's representative. H. Plumbing vent piping through the roof shall be located a minimum of 10'-0" away from any fresh air intake location and a minimum of 18" clear from the
- inside face of the parapet. I. Provide the code required clearance for all cleanouts installed in sanitary
- waste and vent piping. J. Plumbing contractor shall provide all condensate drains required for refrigeration equipment.
- K. Coordinate all locations of floor drains and floor sink receptors with kitchen
- equipment plans. L. Plumbing contractor shall provide all valves, gauges, piping, etc. required for
- the installation of the dishwasher. M. Plumbing contractor is responsible to run condensate line from cooler coil, through wall, to indirect drain. Seal hole in wall and hold drain line as high as
- possible and tight to wall to allow for shelving. N. Plumbing contractor is responsible to run & insulate condensate line from freezer coil, through wall, to indirect drain. Condensate line must be wrapped with heat tape. Seal hole in wall and hold drain line as high as possible and tight to wall to allow for shelving.
- O. Plumbing contractor is responsible to mount all faucets and pre-rinse units provided. All gas lines, elbows, shut-off valves, pressure reducers, water supply lines, drain lines, "p" traps, floor sinks, and other indirect drains required to hook up the kitchen service equipment shall be provided and installed by the plumbing contractor.

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ent:		
,, i.c.		

JoJo's Shake BAR

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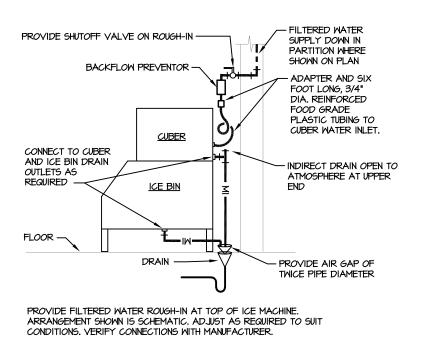
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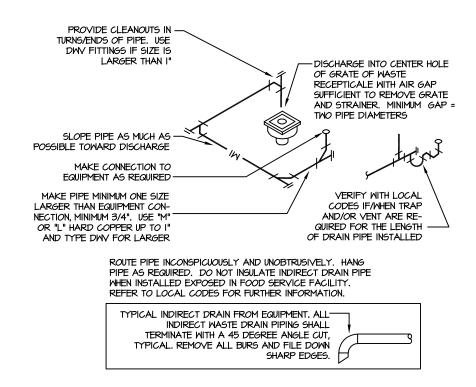
Plumbing Plan

INTENT OF THE WORK INDICATED ON THIS DRAWING.

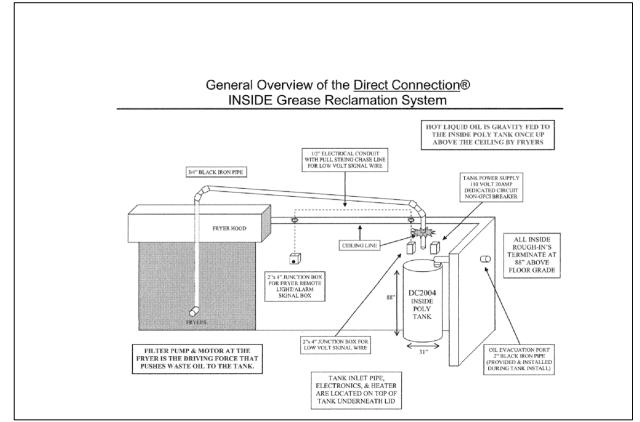


03 Ice Machine Supply

Scale: Not to Scale



02 Indirect Drain
Scale: Not to Scale



01 OIL RECLAIM DETAIL
Scale: Not to Scale

	FOOD SERVICE EQUIPMENT			MECHANICAL SCHEDULE WATER CONNECTIONS DRAINS GAS STEAM SYMBOLS															
			WA	TER C	ONNE	CTIO	NS		DRA	INS		G	AS			_	STEA	M	SYMBOLS FLOOR SINK (FS) HOT WATER (HW) COLD WATER (CW)
ITEM NUMBER	QUANTITY	ITEM DESCRIPTION	HOT WATER SIZE	COLD WATER SIZE	STUB UP HEIGHT	EQUIP. HEIGHT	H.W. CONSUMPTION	IND. WASTE SIZE	DIRECT WASTE SIZE	WASTE HEIGHT	GAS LINE SIZE	GAS HEIGHT AFF	MBTU LOAD HEIGHT A.F.F.	WATER COLUMN	STEAM SUPP. SIZE	COND. RETURN SIZE	HEIGHT	BOILER H.P.	FLOOR DRAIN (FD) FLOOR DRAIN FLOOR DRAIN FLOOR DRAIN FLOOR DRAIN FLOOR DRAIN FF = ABOVE FIN. FLR FA = DOWN FROM ABV.
1	$\overline{}$	SPARE NUMBER		Ē												Ľ	Ė		
_	-	BACKBAR COOLERS DRY PRODUCT DISPENSERS	-								_					\vdash			
4		CHOCOLATE WARMER																	
5	-	SPARE NUMBER																	
		WORKTABLES FOOD BLENDERS																	
8		WHIPPED CREAM DISPENSERS															1		
9	-	SPARE NUMBER																	
10		SPARE NUMBER																	
11		CONVECTION OVEN RESTAURANT RANGE									3/4"	16" 16"	72" 203						KEC TO PROVIDE QUICK DISCONN GAS HOSE KEC TO PROVIDE QUICK DISCONN GAS HOSE
13		GAS FLAT GRILL									3/4"	-	150						KEC TO PROVIDE QUICK DISCONN GAS HOSE
14		CHEESE MELTER									3/4"	74"	60						
15 16		FRYERS DIPPING CABINET	-								3/4"	16"	122				-		KEC TO PROVIDE QUICK DISCONN GAS HOSE
		STORAGE SHELVING																	
18		PREP TABLE W/SINKS (EXISTING TO REMAIN AS IS)																	EXISTING UTILITIES TO REMAIN AS IS
_		WALL SHELVES (EXIST TO REMAIN AS IS) WORKTABLE	-								_								
20 21		WALL SHELF	-																
21.1	1	WALL SHELF																	
22		SPARE NUMBER																	
23	-	STORAGE SHELVING PIZZA PREP TABLE	\vdash			-		-	 	_	\vdash	\vdash				\vdash	1		
		PIZZA PREP TABLE				L													
		WORKTABLE																	
		PASS THRU ICE BIN (EXIST. RELOCATED) STORAGE SHELVING	1/2"	1/2"	12"	-	\vdash	(3)1"	\vdash	FS		\vdash				\vdash	\vdash		REWORK MECH. AS REQ'D FOR NEW LOCATION
		STORAGE SHELVING STORAGE SHELVING							\vdash		\vdash	\vdash			\vdash	\vdash			
	2	PLATE CABINETS																	
31		MOP SINK (EXISTING TO REMAIN AS IS)							<u> </u>										EXISTING UTILITIES TO REMAIN AS IS
32		WALL SHELVES CORNER SINK (EXISTING TO REMAIN AS IS)																	
34		HEAT LAMSP																	
35		SHORTY COOK TOP REFRIG																	
36		WORKTABLE WORKTABLE									_					_	<u> </u>		
37 38	_	HAND SINK	1/2"	1/2"	20"				1 1/2"	18"									
39		HAND SINKS (EXISTING TO REMAIN AS IS)	"-	"-															EXISTING UTILITIES TO REMAIN AS IS
40		WORKTABLE W/SINK	1/2"	1/2"	14"			2"		FS									
_		WOOD TOP WORK TABLE REACH-IN REFRIGERATOR	-						<u> </u>								-		
		REACH-IN REFRIGERATOR																	
	-	REACH-IN FREEZER																	
		POPSICLE MACHINE UNDERCOUNTER REFRIGEATOR																	
	-	SHELVING	\vdash														\vdash		
48		BAG IN BOX		1/2"	14"														
_	-	BULK CO2 TANK																	
50 51		LINEN STORAGE CABINET WAREWASHER	3/4"		14"			1 1/2"	+	FS									
52	1	CLEAN DISHTABLE (EXISTING TO REMAIN AS IS)	0/4					172		10									
53		SOILED DISHTABLE (EXISTING TO REMAIN AS IS)																	
54 55		SPARE NUMBER SPARE NUMBER	-														-		
56	$\overline{}$	SPARE NUMBER	\vdash									\vdash					\vdash		
57	-	SPARE NUMBER																	
	$\overline{}$	MICROWAVE OVEN WIRE SHELVING	<u> </u>	_		1			\vdash	<u> </u>						<u> </u>	1		
		TRASH CANS		\vdash					\vdash		\vdash	\vdash			\vdash				
61	1	DRAINBOARS						1"		FS									
62	_	GLASS WASHER		3/4"	12"			1 1/2"	1	FS									
63 64	-	DRY STORAGE CABINET HAND SINK	1/2"	1/2"	12"	-		1"	1 1/2"	FS 10"	\vdash	\vdash				\vdash	1		
65		LIQUOR STEP	1/2	112	٠.٤				11/2	10									
66		ICE CHEST						1"		FS									
67 68	-	DRY STORAGE CABINET FROZEN BEVERAGE DISP		4 /00	12"	-		1"	\vdash	FS	_	-			_				
	-	EXPRESSO/CAPPUCCINO MACHINE	\vdash	_	50"	\vdash	\vdash	1"	\vdash	FS	\vdash	\vdash			\vdash	\vdash	\vdash		
70	1	BEER DISPENSING REFRIGERATOR			Ĺ			1"		FD									
_		REFRIGERATED BACK BAR	\vdash				\vdash		\vdash							\vdash	\vdash		
72 73		POS UNITS WALK IN FREEZER (EXISTING TO REMAIN AS IS)	-	\vdash		1			\vdash	_	\vdash	\vdash			\vdash	\vdash	-		EXISTING UTILITIES TO REMAIN AS IS
74	1	WALK-IN COOLER (EXISTING TO REMAIN AS IS)																	EXISTING UTILITIES TO REMAIN AS IS EXISTING UTILITIES TO REMAIN AS IS
75		EXHAUST HOOD (EXISTING TO REMAIN AS IS)																	
76 77		CONDENSATE HOOD (EXISTING TO REMAIN AS IS) BUN RACK	\vdash	-		-			-	_	_	\vdash				\vdash	1		
		HEATED TOPING DISPENSER	\vdash						 			\vdash				\vdash	1		
79	1	INDUCTION RANGE																	
		ICE MAKERS		1/2"	60"			(2)1"		FS									WATER COOLED 3/8" INLET, 1/2" OUTLET +48"
80.1	_	ICED TEA BREWER	\vdash	1/2"	50"	-		1"	\vdash	FS	\vdash	\vdash				\vdash	\vdash		
82	1	COFFEE MAKER			50"														
83	1	SOFT SERVE ICE CREAM MACHING	1/2"	1/2"	60"			1"		FS									
84	1	SHAKE DISPENSER	1/2"	1/2"	60"	1		1"	\vdash	FS							1		
			ı	1	l	1	1	ı	1	I	1	1	I	1	1	ı	ì	ı	



8826 Santa Fe Drive, Suite 304 Overland Park, KS 66212 913-341-2466



BLANCHARD AE GROUP, LLC 1425 Wakarusa Dr. Ste. B Lawrence, KS 66049 Ph: 785.993.0300 AEGroup@BAE.Group

Client:

Project:

JoJo's Shake BAR

9101 International Drive Suite 1208 Orlando, FL 32819

DDG Project No. 15001

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CLIENT/LL REVIEW	04/26/
Permit Issue	04/26 _/ 05/06 _/
Revision Record	

Plumbing Details & Schedules

P201

THE EXISTING CONDITIONS INDICATED ON THIS DRAWING ARE TAKEN FROM THE BEST INFORMATION AVAILABLE FROM VISUAL SITE INSPECTIONS. THE INFORMATION IS SHOWN TO HELP ESTABLISH THE EXTENT OF THE WORK TO BE DONE. THE CONTRACTOR SHALL VERIFY ALL ACTUAL CONDITIONS AND THE INTENT OF THE WORK INDICATED ON THIS DRAWING.

FIRE ALARM PLAN NOTES:

- 1. Relocate fire alarm devices to avoid interference with new walk-up window. 2. Relocate fire alarm device to new ceiling.
- 3. Provide new device; connect to existing system.



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FIRE PROTECTION GENERAL NOTES:

- A. A licensed fire protection designer and contractor shall modify the existing fire sprinkler system so that is code compliant. Relocate sprinkler heads as needed for new wall layouts and ceiling modifications,
- B. All material to be UL listed for use in automatic sprinkler systems.
- C. Monitoring of sprinkler system to be in accordance with NFPA #13, and local code requirements.
- D. Drawings are schematic only and not to be used for shop drawings. E. Renovation: Adjust head locations and add heads as needed to completely
- cover the renovated spaces. F. Provide fire protection system complete, per applicable codes, per NFPA, and
- per requirements of authorities having jurisdiction. G. Include all piping, offsets, fittings, drains, valves, supports, heads, etc. as
- required for a complete operable system. H. Sprinkler heads shall be concealed for areas with finished ceilings. Sprinkler
- heads shall be rough brass for areas with exposed structure. I. Sprinkler Heads in ceilings, unless functionally impossible, shall be centered with and between rows of light fixtures. Sprinkler heads in machine rooms shall be 212F temperature activated.
- J. Coordinate all scheduling and work with other trades so as to prevent conflicts, and to ensure orderly progress of the work, with a minimum of delays. Where sprinkler piping is installed without coordinating with other trades and conflicts occur, sprinkler piping shall be relocated as required at
- no additional cost to the owner to resolve the conflicts. K. Where piping passes through walls, floors, ceilings, or other building construction, sleeves must be used. Where exposed piping passes through finish work, chrome plated or other finish acceptable to the architect, split wall plates or escutcheons shall be installed to fit snugly around the piping. Where finish is not a problem suitable plates shall be provided at each hole to assure effectiveness of construction as a fire stop.
- L. Seal all fire protection floor, wall and roof penetrations watertight and weathertight. Caulk around fire protection penetrations with 3m cp-25 fire barrier caulk (thickness as required and recommended by manufacturer) to maintain fire resistance rating of fire-rated assemblies.

SPECIAL SYSTEMS NOTES:

A. All horn/ strobes or strobe devices are wall mounted unless noted otherwise, refer to specifications for mounting instructions.

FIRE PROTECTION PLAN NOTES: 1. Evaluate sprinkler coverage with new wall between cooler/freezer. 2. Modify sprinkler system based on new ceiling and wall locations.

- B. All conduit shall be concealed in walls, ceiling & structure. C. E.C. shall provide all 3/4" conduit down in walls to above accessible ceiling
- and rough in locations for all low voltage devices. D. All strobe devices shall be set at 75cd unless noted otherwise.

9101 International Drive **Suite 1208**

DEMOLITION NOTES:

shall be reported to engineer.

- time approved in advance by the owner's representative so as not to interfere with the present building operation.
- B. These drawings are diagrammatic and indicate the general extent of the work. The exact extent of demolition shall be as required by the new work.
- C. Owner shall have first rights to all devices and equipment removed during
- demolition. Coordinate with the owner prior to final removal. D. All mechanical items to be removed shall be removed complete with all related items including hangers, supports, controls, etc. Cap all open ended
- pipes and ductwork. E. All electrical items to be removed shall be removed complete with all related
- items including hangers, conduit, wire, etc. unless noted otherwise on plans. F. Items shown as existing to remain are as taken from existing building drawings and field verified by engineer. Exact conditions shall be field verified by contractor and any conflicts which affect the scope of the project

THE EXISTING CONDITIONS INDICATED ON THIS

DRAWING ARE TAKEN FROM THE BEST INFORMATION AVAILABLE FROM VISUAL SITE INSPECTIONS. THE INFORMATION IS SHOWN TO HELP ESTABLISH THE EXTENT OF THE WORK TO BE DONE. THE CONTRACTOR

SHALL VERIFY ALL ACTUAL CONDITIONS AND THE INTENT OF THE WORK INDICATED ON THIS DRAWING. DDG Project No. 15001

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JoJo's Shake BAR

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Issue Record CLIENT/LL REVIEW

04/26/22 Permit Issue 05/06/22

Fire Protection Plan

TRUE PLAN NORTH NORTH

01 Special Systems Plan
Scale: 1/8"=1'-0"

wiring and devices. O1 Power Plan
Scale: 1/8"=1'-0" TRUE PLAN NORTH NORTH

PLAN NOTES:

- 1. Demo power for all demo'd bar & kitchen equipment in the outlined area unless noted otherwise.
- 2. Retain power for kitchen hood & fire protection system.
- 3. Retain power for cooler components (lights, evap, etc.), demo unrelated kitchen equipment receptacles.
- 4. Relocate equipment for oil recovery alarm power. Extend conduit and wiring to new location. Refer to oil reclaim detail.
- 5. Provide #10awg conductors and ground for circuit.
- 6. Provide #4awg conductors and #8 ground in 1" conduit for circuit. Verify MOCP of device prior to ordering breaker or rough-in.
- 7. Provide power & data box/conduit for TV. Verify location. Circuit from existing adjacent TV outlets.
- 8. Verify that all general receptacles in public areas are tamper resistant. If found to be not, replace with tamper resistant receptacle.

4 FOOD SERVICE EQUIPMENT NOTES

Refer to food service equipment plans for power requirements. Provide all required

POWER MATERIAL NOTES:

minimum size.

- A. CONDUIT (exterior above grade) shall be galvanized rigid with threaded fittings. Final connection to Mechanical Equipment shall be made with minimum 12" length of Liquid-Tite conduit.
- B. CONDUIT (interior above grade) circuits shall be routed in EMT conduit with set-screw or compression fittings.
- C. CONDUIT (below slab) shall be Schedule 40 PVC with solvent weld fittings. Change to metal conduit at floor penetration (elbow in slab shall be metal rigid conduit)
- D. CONDUCTORS (#10 awg & smaller) shall be annealed soft copper, solid or stranded construction, and Code Type THWN or THHN with #12awg
- E. CONDUCTORS (#8 awg & larger) shall be annealed soft copper, compressed strand construction, and Code Type THWN-2 or THHN.
- F. MC CABLE type MC cable with listed fittings and coupler may be used in lieu of EMT conduit and conductors for interior branch circuits. Homeruns to panels shall be made with EMT conduit (no MC connections to panel cans). Each light fixture shall be provided with a dedicated fixture whip from a junction box. The practice of 'daisy-chaining' from fixture to fixture will not be accepted. Multiple fixture whips from a single box is acceptable. Type NMC cable is NOT allowed
- G. GROUNDING (equipment) All circuits shall be provided with Code sized equipment grounding conductor.
- H. SAFETY SWITCHES shall be Square D, or approved equal, heavy duty
- grade safety switch in configuration noted. I. FIRE STOPPING - provide fire stopping, as manufactured by 3M or Hilti, at
- fire-rated construction to maintain an effective barrier against the spread of flame, smoke, and hot gases. Components shall be compatible with each other, the substrates forming openings, and the items, if any, penetrating the fire stopping under conditions of service and application, as demonstrated by the fire stopping manufacturer based on testing and field experience.

DEMOLITION NOTES:

- A. Any interruption of existing services and/or equipment shall be performed at a time approved in advance by the owner's representative so as not to interfere with the present building operation.
- B. These drawings are diagrammatic and indicate the general extent of the work. The exact extent of demolition shall be as required by the new work.
- C. Owner shall have first rights to all devices and equipment removed during demolition. Coordinate with the owner prior to final removal.
- D. All mechanical items to be removed shall be removed complete with all related items including hangers, supports, controls, etc. Cap all open ended
- pipes and ductwork. E. All electrical items to be removed shall be removed complete with all related

items including hangers, conduit, wire, etc. unless noted otherwise on plans.

F. Items shown as existing to remain are as taken from existing building drawings and field verified by engineer. Exact conditions shall be field verified by contractor and any conflicts which affect the scope of the project shall be reported to engineer.

POWER GENERAL NOTES:

- A. These drawings are diagrammatic in nature and indicate the general extent of the work. The electrical contractor shall provide all pull boxes, junction boxes and incidental materials and labor for a complete and fully functional system. B. Electrical contractor shall de-rate conductors as required by the N.E.C. when
- grouped in common raceways.
- C. Provide firestopping on conduits passing through fire rated walls and floors. Coordinate location and ratings of walls with architectural drawings.
- D. Verify requirements of all mechanical equipment with shop drawing submittals. Notify engineer of any conflicts between equipment submittals
- and electrical drawings. E. Contractor shall offset outlet boxes on opposite sides of common wall to
- prevent sound transmission between adjoining rooms. F. All low voltage wires not routed in conduit shall be provided as plenum rated
- G. Provide junction boxes and conduit with pull-strings up to plenum at all voice and data outlet locations.
- H. Where boxes are installed in concrete block walls, the box mounting height shall be at the block joint and the device shall be provided with a jumbo
- I. E.C. to provide new wiring devices and cover plates for all wiring devices located in existing walls.
- J. E.C. to provide blank cover plates for all existing open j-boxes located in existing wall.
- K. E.C. to provide revised typed panel schedules for existing panels after work is
- L. E.C. to provide rough-in boxes and conduit for thermostats as indicated.
- M. Refer to telecommunication drawings for data requirements.
- N. Branch Circuit Conductors shall be Minimum #12 AWG Unless Noted otherwise or required. Where 20A branch circuits have #8 AWG and larger wire specified, #10 AWG wire shall be used for the final connection (15-FT
- L. E.C. to maintain all existing circuit continuities as required.
- M. E.C. to trace all electrical circuits for all existing electrical panelboards affected by the remodel and identify loads on each circuit. Provide a complete typewirtten panelboard identifications schedule for all affected
- N. All receptacles in kitchen and bar areas shall be GFCI protected and shall have stainless steel cover plates.

20A WIRE SIZING SCHEDULE

(VOLTAGE DROP)

panelboards.

ALL WIRE SIZES SHOWN ON BELOW SCHEDULE ARE INTENDED TO BE MINIMUM ACCEPTABLE WIRE SIZE

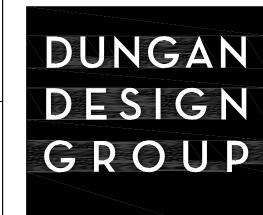
THE FOLLOWING SCHEDULE IS TO BE USED TO SIZE WIRE FOR 20 AMP CIRCUITS (120 AND 277 VOLT).

LENGTHS (ONE WAY) ARE INTENDED TO BE MAXIMUM.

120 VOLT CIRCUIT MAX LENGTH (FT)										
MAX	MAX	WIRE SIZE								
AMPS	WATTS	#12	#10	#8	#6					
5	600	200	325	490	770					
10	1200	100	160	245	385					
15	1800	70	110	165	255					

277 VC	LT CIR	CUIT M	AX LEN	GTH (F	Γ)
MAX	MAX	WIRE SIZ	Έ		
AMPS	WATTS	#12	#10	#8	#6
5	1385	480	760	1170	1865
10	2770	240	380	585	930
15	4155	160	250	390	620

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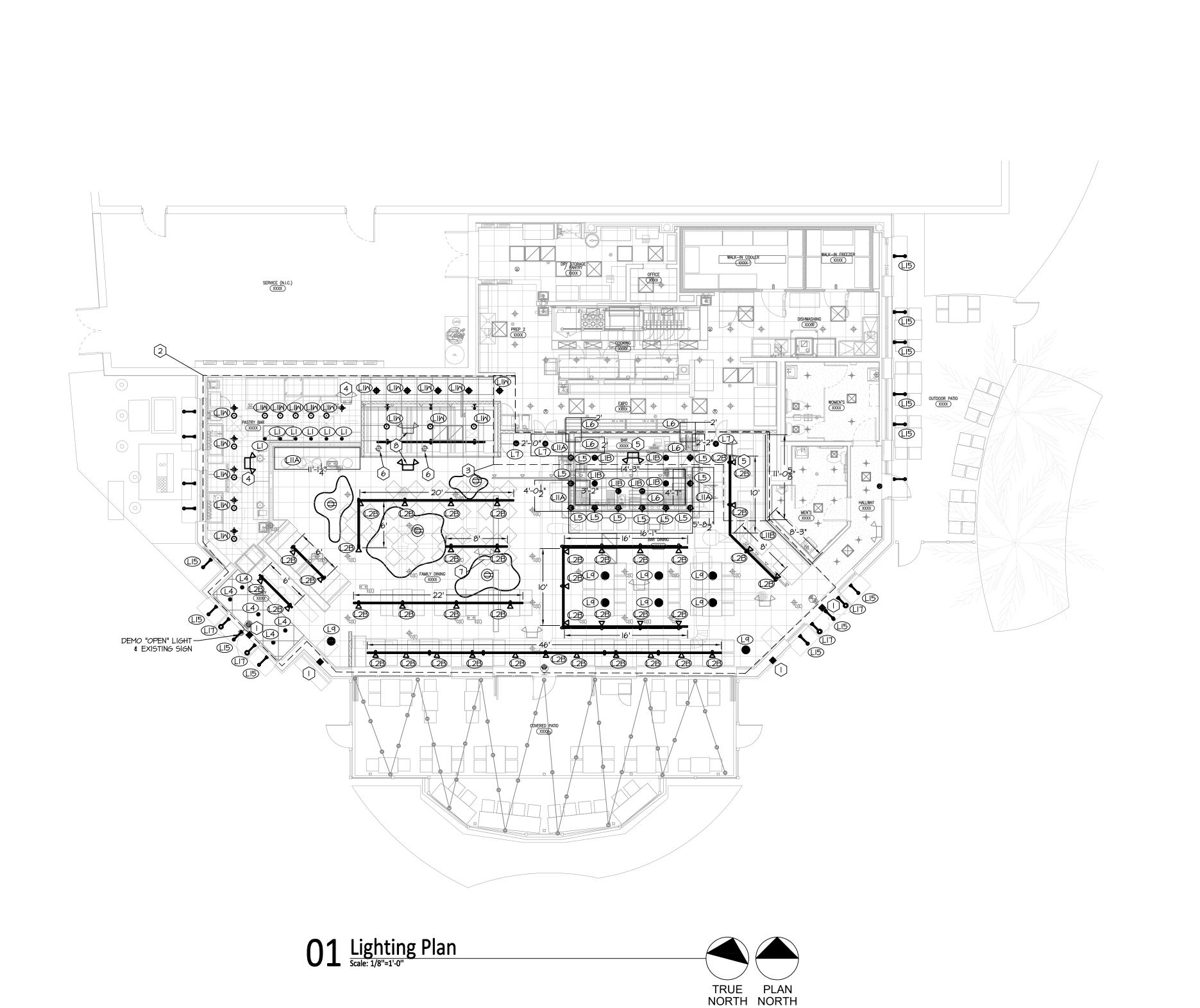
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Issue Record CLIENT/LL REVIEW 04/26/22

05/06/22

Permit Issue

Power Plan



PLAN NOTES:

- Provide power for sign. Coordinate exact location and requirements with architect & owner prior to rough-in.
- Demo all pendant, track, and wall fixtures unless noted otherwise. Retain all recessed can lights unless noted otherwise. Retain all emergency fixtures and exit signs unless noted otherwise.
- Demo all down lights in modified bar area where indicated.
- 4. Relocate emergency fixture to new lower ceiling.
- 5. Relocate emergency fixture to above new bar.
- 6. Demo light fixture.
- 7. Verify existing emergency light not blocked by new cloud. Relocate if needed.
- 7. Verify existing emergency light not blocked by new cloud.8. Relocate emergency fixture as shown.



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Issue Record

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DEMOLITION NOTES:

- A. Any interruption of existing services and/or equipment shall be performed at a time approved in advance by the owner's representative so as not to interfere with the present building operation.
- B. These drawings are diagrammatic and indicate the general extent of the work. The exact extent of demolition shall be as required by the new work.
- Owner shall have first rights to all devices and equipment removed during demolition. Coordinate with the owner prior to final removal.
- D. All mechanical items to be removed shall be removed complete with all related items including hangers, supports, controls, etc. Cap all open ended pipes and ductwork.
- All electrical items to be removed shall be removed complete with all related items including hangers, conduit, wire, etc. unless noted otherwise on plans.
- F. Items shown as existing to remain are as taken from existing building drawings and field verified by engineer. Exact conditions shall be field verified by contractor and any conflicts which affect the scope of the project shall be reported to engineer.

LIGHTING GENERAL NOTES:

- A. These drawings are diagrammatic in nature and indicate the general extent of the work. The electrical contractor shall provide all pull boxes, junction boxes and incidental materials and labor for a complete and fully functional system.
 B. Electrical contractor shall de-rate conductors as required by the N.E.C. when
- grouped in common raceways.C. Provide firestopping on conduits passing through fire rated walls and floors.
- Coordinate location and ratings of walls with architectural drawings.
- D. Coordinate exact fixture locations with architectural reflected ceiling plans.E. Multiple switches at one location shall be ganged together and have one
- E. Multiple switches at one location shall be ganged together and have one cover plate.
 F. Branch Circuit Conductors shall be Minimum #12 AWG Unless Noted otherwise or required. Where 20A branch circuits have #8 AWG and larger

wire specified, #10 AWG wire shall be used for the final connection (15-FT

- L. E.C. to maintain all existing circuit continuities as required.
- M. E.C. to trace all electrical circuits for all existing electrical panelboards affected by the remodel and identify loads on each circuit. Provide a complete typewirtten panelboard identifications schedule for all affected panelboards.

LIGHTING MATERIAL NOTES:

- A. CONDUIT (exterior above grade) shall be galvanized rigid or IMC with threaded or compression fittings.
- B. CONDUIT (interior above grade) circuits shall be routed in EMT conduit with set-screw or compression fittings.
- C. CONDUIT (below slab) shall be PVC with solvent weld fittings. Change to metal conduit at floor penetration (elbow in slab shall be metal rigid conduit)
 D. CONDUCTORS (#10 awg & smaller) shall be annealed soft copper, solid or
- D. CONDUCTORS (#10 awg & smaller) shall be annealed soft copper, solid or stranded construction, and Code Type THWN or THHN with #12awg minimum size.
 E. MC CABLE type MC cable with listed fittings and coupler may be used in lieu of EMT conduit and conductors for interior branch circuits. Homeruns

to panels shall be made with EMT conduit (no MC connections to panel

- cans). Each light fixture shall be provided with a dedicated fixture whip from a junction box. The practice of 'daisy-chaining' from fixture to fixture will not be accepted. Multiple fixture whips from a single box is acceptable. Type NMC cable is NOT allowed
 F. GROUNDING (equipment) All circuits shall be provided with Code sized
- F. GROUNDING (equipment) All circuits shall be provided with Code sized equipment grounding conductor.
- G. WIRING DEVICES shall be equal to Hubbell Heavy Duty, Specification Grade Commercial, 120-277 volt, 20 amp rated. Verify device color with architect prior to ordering.
- H. FIRE STOPPING provide fire stopping, as manufactured by 3M or Hilti, at fire-rated construction to maintain an effective barrier against the spread of flame, smoke, and hot gases. Components shall be compatible with each other, the substrates forming openings, and the items, if any, penetrating the fire stopping under conditions of service and application, as demonstrated by the fire stopping manufacturer based on testing and field experience.

ON THIS

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F201

Lighting Plan

_			Υ—					·OT	2104	1 0	OUEDIH E
	FO(DD SERVICE EQUIPMENT	ELECTRICAL S							IL S	CHEDULE SYMBOLS
ITEM NUMBER	QUANTITY	ITEM DESCRIPTION	VOLTAGE	PHASE	AMPERAGE	KILOWATTS	HORSEPOWER	TYPE OF CONN.	HEIGHT A.F.F.	EQUIP. HEIGHT	□ JUNCTION BOX (JB) □ DUPLEX RECEPTACLE (DGR) □ SINGLE RECEPTACLE (SGR) □ DEDICATED DUPLEX □ RECEPTACLE (DDGR) REMARKS □ REMARKS
E1 E2	2	SPARE NUMBER BACKBAR COOLERS	120	1	2.2			DGR	24"		
E3	2	DRY PRODUCT DISPENSERS CHOCOLATE WARMER	400					200	400		
E4 E5	1	SPARE NUMBER	120	1	1			DGR	48"		
E6 E7	2	WORKTABLES FOOD BLENDERS	120 120	1	20 15			DGR DGR	_		CONVENIENCE OUTLETS
E8	2	WHIPPED CREAM DISPENSERS	120		10			DGK	24		GROMMET HOLE THRU TABLE TOP
E9 E10	-	SPARE NUMBER SPARE NUMBER									
E11	1	CONVECTION OVEN	120	1	7.9			DGR	24"		
E12 E13	1	RESTAURANT RANGE GAS FLAT GRILL	120 120	1	15 15			DGR DGR	24" 24"		CONVENIENCE OUTLET CONVENIENCE OUTLET
E14	1	CHEESE MELTER	400		45			DOD	041		COMPANIENCE OUT ET
E15 E16	1	FRYERS DIPPING CABINET	120 120	1	15 2			DGR DGR	24"		CONVENIENCE OUTLET
E17 E18	LOT 1	STORAGE SHELVING PREP TABLE W/SINKS (EXISTING TO REMAIN AS IS)									
E19	2	WALL SHELVES (EXIST TO REMAIN AS IS)									
E20 E21	1	WORKTABLE WALL SHELF	120	1	20	\dashv		DGR	48"		CONVENIENCE OUTLET
E21.1	1	WALL SHELF									
E22 E23	- LOT	SPARE NUMBER STORAGE SHELVING	\vdash			\vdash					
E24	1	PIZZA PREP TABLE	120	1	7.8			FHT	24"		
E25 E26		PIZZA PREP TABLE WORKTABLE	120 120	1	4.5 20			DGR DGR	24" 48"		
E27	1	PASS THRU ICE BIN (EXIST. RELOCATED) STORAGE SHELVING									
E28 E29		STORAGE SHELVING STORAGE SHELVING									
E30 E31	2	PLATE CABINETS MOP SINK (EXISTING TO REMAIN AS IS)									
E32	2	WALL SHELVES									
E33 E34	1	CORNER SINK (EXISTING TO REMAIN AS IS) HEAT LAMSP	120	1	9.2			JB	CEIL		
E35	1	SHORTY COOK TOP REFRIG	120	1	8.1			DGR	24"		
E36 E37	1	WORKTABLE WORKTABLE	120	1	20			DGR	48" 48"		CONVENIENCE OUTLET CONVENIENCE OUTLET
E38	1	HAND SINK							Ü		ONT THE THE TOTAL THE TOTA
E39 E40		HAND SINKS (EXISTING TO REMAIN AS IS) WORKTABLE W/SINK									
E41 E42		WOOD TOP WORK TABLE REACH-IN REFRIGERATOR	420		E 4			DOD	041		
E42 E43	1	REACH-IN REFRIGERATOR	120 120	1	5.4 3.7			DGR DGR	_		
E44 E45	1	REACH-IN FREEZER POPSICLE MACHINE	120 120	1	9.6 5			JB DGR	CEIL 24"		DROP CORD W/DGR FROM CEILING
E46	3	UNDERCOUNTER REFRIGEATOR	120	1	2.3			DGR	_		
E47 E48		SHELVING BAG IN BOX	120	1	20			DGR	24"		
E49	1	BULK CO2 TANK									
E50 E51		LINEN STORAGE CABINET WAREWASHER	208	1	68.7			JB	24"		
E52		CLEAN DISHTABLE (EXISTING TO REMAIN AS IS)									
E53 E54	1	SOILED DISHTABLE (EXISTING TO REMAIN AS IS) SPARE NUMBER									
E55 E56	-	SPARE NUMBER SPARE NUMBER									
E57	-	SPARE NUMBER									
E58 E59		MICROWAVE OVEN WIRE SHELVING	120	1	15			DGR	48"		
E60	2	TRASH CANS									
E61 E62		DRAINBOARS GLASS WASHER	208	1	24.7			SGR	12"		
E63		DRY STORAGE CABINET									
E64 E65	1	HAND SINK LIQUOR STEP	L								
E66 E67		ICE CHEST DRY STORAGE CABINET									
E68	1	FROZEN BEVERAGE DISP	120	1				DGR			
E69 E70		EXPRESSO/CAPPUCCINO MACHINE BEER DISPENSING REFRIGERATOR	220 120	1	30 2.5			SGR DGR			
E71	1	REFRIGERATED BACK BAR	120	1	4.8			DGR	24"		
E72 E73		POS UNITS WALK IN FREEZER (EXISTING TO REMAIN AS IS)	120	1	20	Н		DDGR	48"		DEDICATED CIRCUIT, PROVIDE EMPTY JB FOR CONTROL WIRING EXISTING UTILITIES TO REMAIN AS IS
E74	1	WALK-IN COOLER (EXISTING TO REMAIN AS IS)									EXISTING UTILITIES TO REMAIN AS IS
E75 E76	1	EXHAUST HOOD (EXISTING TO REMAIN AS IS) CONDENSATE HOOD (EXISTING TO REMAIN AS IS)									EXISTING UTILITIES TO REMAIN AS IS
E77	1 2	BUN RACK HEATED TOPING DISPENSER	120		22			DOD	40=		
E78 E79	1	INDUCTION RANGE	120 120	1	3.3 15			DGR DGR	48"		
E80 E80.1	_	ICE MAKERS ICE BIN	208	1	9.5	П		JB	72"		
E81	1	ICED TEA BREWER	120	1	14			DGR	_		
E82 E83	1	COFFEE MAKER SOFT SERVE ICE CREAM MACHING	120 208	1	16.5 13	H		SGR SGR			
E84	1	SHAKE DISPENSER	208	3	*			2)SGF			* REQUIRES (2) DEDICATED CIRCUITS (1) 15A & (1) 13A
			L								

DESCRIPTION:		400A MLO, 54P								VOLTAGE: 120/208v, 3P, 4 WIRE					
		SUBFED THRU L1 WITH 350A OF WIRE &	OCF	•							TAL CONNECTED LOAD: TAL DEMANDED LOAD:	25,025w= 24,395w=			
	LOAD	LOAD		ď	2 A	MP		AMP		_	LOAD	LOAD	loa		
NO	(W)	DESCRIPTION			S	IZE	PH		notes	Р	DESCRIPTION	(W)	NO		
1		SPARE		1		20	Α	20	_		COOLER RECPT.		2		
3		SPARE		1	2	20	В	15		1	COOLER FAN COIL #2B		4		
5		SHOW WINDOWS S. W	AL	1	1	20	С	15		2	SPARE		6		
7		SHOW WINDOWS S. W	AL	1	2	20	Α						8		
9		SPARE		1	3	30	В	20	b	1	E7 - FOOD BLENDER	1800	10		
11		SPARE		1	3	30	С	20	b	1	E6 - WORK TABLE	180	12		
13		SPARE		1	3	30	Α	20	b	1	E6 - WORK TABLE	180	14		
15	1561	ICE CREAM MACHINE E	83	3 k) 2	20*	В	20	b	1	E7 - FOOD BLENDER	1800	16		
17	1561						С	20	b	1	SPARE		18		
19	1561						Α	20	b	1	SPARE		20		
21		SPARE		1 k) 2	20	В	20		1	SPARE		22		
23		SPARE		1 k) 1	15	С	20	b	1	SPARE		24		
25	996	E45 & E78 - EQUIPMEN	Т	1 k) 1	15	Α	20	b	1	SPARE		26		
27	972	E2,E4,E78,E16 - EQUIPM	1EN	1 k	, '	15	В	15	b	1	SPARE		28		
29		SPARE		1 k) ′	15	С	15	b	1	SPARE		30		
31	1875	ESPRESSO MACHINE E	69	2 k) 3	30	Α	20		2	SPARE		32		
33	1875						В						34		
35	2902	GLASS WASHER E62		2 k) 3	30	С	20	b	1	SPARE		36		
37	2902						Α	15	b	1	SPARE		38		
39	1800	E79 - INDUCTION RANG	E	1 k) 2	20	В	20	b	1	SPARE		40		
41	1800	E58 - MICROWAVE OVE	:N	1 k) 2	20	С	20	b	1	SPARE		42		
43	1260	E2, E45 & E78 - EQUIPM	IEN	1 k) 2	20	Α	15	b	ı	SPARE		44		
45		SPARE		1 k		20	В	20	b	l	SPARE		46		
47		CHARGER STATION #1			2	20	С	20	b	l	SPARE		48		
49		CHARGER STATION #2				20	Α	20	b	l	SPARE		50		
51		CHARGER STATION #3			- 1	20	В	20	b		SPARE		52		
53		CHARGER STATION #4		1	_ 2	20	С	20	b	1	SPARE		54		
		Conn. (W) Calc. (W	•								Conn. (W) Calc. (W	,			
	Lights	0 0	•	125°	,				100	,			HVA		
	ceptacles		•	50%)k)			100			Elect.			
	np Recep	0 0	•	100°	,				100	,		Misc No			
Large	est Motor		,	125°	,			(125	,		Misc Con			
	Motor	0 0	(100°	%)				(C)%)	1,260 630		Spar		
									tal I		25.0 24.4	67.7			
		ance Percent Phase				5%			nas		39% Phas SE BY '*' DESIGNATION	se C 26 %)		

1	RIPTION:	350A MCB, 54P UGS TO PANEL L2							VO	LTAGE: 120/208v, 3P, 4 WIRE		
	THING E	DGG TO FAINLE LZ							TO.	TAL CONNECTED LOAD:	45,353	w= 126a
									TO.	TAL DEMANDED LOAD:	•	w= 126a
	LOAD	LOAD		Ŋ	AMP		AMP	Ś		LOAD	LOAD	
NO	(W)	DESCRIPTION	Р	notes		ВΗ	SIZE	notes	Р		(W)	NO
1	(44)	RECEPT GEN #E40	<u>г</u>		20	<u> </u>	20	C		CONVECTION OVEN E11	948	2
3		RECEPT PREP TABLE # E14	1 -		20	A	20	С		RANGE E12	200	4
5	988	ICE MAKER E80	2	b	15	В	15	С		FLAT GRILL E13	200	6
7	988	ICE MAREN EGO	~	"	13	_	15	С		FRYER E15	200	8
9	500	BAG IN BOX #E48	1	b	15	A	15			FRYER E15	200	10
11	1152	FREEZER E44	1	b	20	В	20	С		ANSUL SYSTEM	200	12
13	1680	E81 - TEA BREWER	1	b	20	C	20	С		FRYER E15	200	14
15	1920	E82 - COFFEE MAKER	1	b	20	A	20	b		E68 - FROZEN BEV DISP	1680	
17	1920	SPARE	1		20	В	20	b		KIT RECEPT	1000	18
19	180	E72 - POS	1	b	20	C	*70	b		DISHWASHER E51	7145	
21	1104	COOK TOP REF. E35	<u> </u>	b	20*	A	10	0		DISHWASHER EST	7145	
23	180	WORKTABLE E36		С	20*	В	20		2	SPARE	7 145	24
25 25	160	WORK TABLE E30		С	20"	C	20			SPARE		26
27	200	FRYER E15	1	_	20	A	20	h	1	E26 - WORK TABLE	180	28
29	200	REMOTE BEER SYS #E81	1	c b	20	В	15	b		E34 - HEAT LAMP	1104	
31		FAN COIL COOLER #E2B	<u> </u>	L	20	C	15			E34 - HEAT LAMP	1104	
33		SPARE	1	b	20	A	15	b		E34 - HEAT LAMP	1104	
35	936	E24 - PIZZA PREP TABLE	_	 	15	В	20	b		E37 - WORK TABLE	180	36
37	540	E25 - PIZZA PREP TABLE	1	b	15	C	20	b		E72 - POS	180	38
39	276	E46 - REFRIGERATOR		b	15	Α	20			SPARE	100	40
41	276	SPARE	1	b	15	В	15	b		E70 - BEER FRIDGE	300	40
43	1801	SHAKE DISPENSER E84	3	b	*20	C	20	b		SPARE	300	44
45	1801	SHARE DISPENSER E64	3	0	20	A	15	b		E71 - REFRIGERATED BAI	R 576	46
47	1801					В	15	b		HERAT MAPS #E105	370	48
49	1561	SHAKE DISPENSER E84	3	b	*20	C	20	b		ICE MAKER E80	988	50
51	1561	SHARE DISPENSER E04	3	5	20	A	20	0		ICE WAREN E80	988	52
53	1561					В	15	b	1	SPARE	900	54
	1301	Conn. (W) Calc. (W)				C	10		•	Conn. (W) Calc. (W)		J-7
	Lights	0 0	(12	25%	.)	-		(100	1%1	. , , , ,		HVA
R	eceptacles		•		·10k)			(100			Flee	ct. HVA
	mp Recep		•	00%	,			(100	•		Misc N	
	est Motor			25%	•			(125			Misc Co	
	Motor		•	00%	•		,	`	/%)		150 00	Spar
							То	tal I	kW	45.4 45.3	 125	6 a
	Load Ba	lance Percent Phase A			39%			has				9%
a. AI		ERS ARE EXISTING SPARE	UN	1LF		OTF						
	I BREAK						•			=======================================		



8826 Santa Fe Drive, Suite 304 Overland Park, KS 66212 913-341-2466



BLANCHARD AE GROUP, LLC 1425 Wakarusa Dr. Ste. B Lawrence, KS 66049 Ph: 785.993.0300 AEGroup@BAE.Group

JoJo's Shake BAR

9101 International Drive **Suite 1208** Orlando, FL 32819

DDG Project No. 15001

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Issue Record

CLIENT/LL REVIEW

Permit Issue

Revision Record

04/26/22 05/06/22

	INTERIOR	EXTERIOR	
		LETTER.	
		1/2" RAISED, SINGLE GANG MUD RING.	
		HOLE IN BACK OF LET	TER.
CONDUIT BETWEEN BOXES	-0	1/2" LFMC, 12" LONG WI	ITH (2) #12.
4"5Q. x 3"D BOX	•	WP CONNECTOR.	
	METAL STUDWALL		
PL`	YMOOD SHEATHING —	FINISH WOODSIDING	

01 Box Detail at Sign Letters

Scale: Not to Scale

LIGH	T FIXTURE S	CHEDULE						
						TOTAL		
MARK	MANUFACTURER	MODEL	DRIVER TYPE	VOLTS	MOUNTING	WATTS	DESCRIPTION	NOTES
L1			0-10 DIM	24V	SURFACE		3" PUCK LIGHT, BRASS FINISH	
L1B	CONTECH	R4NC-2-27K-12-D; C43211-CLR-B	0-10 DIM	120	RECESSED	14	4" RECESSED DOWN LIGHT - BLACK	
L1W	CONTECH	R4NC-2-27K-12-D; C43211-CLR-P	0-10 DIM	120	RECESSED	14	4" RECESSED DOWN LIGHT - WHITE	
L2B	CONTECH	CTL-9051-M-27C-D-B	0-10 DIM	120	TRACK	9	TRACK LIGHT - BLACK	3
L3		TBD	0-10 DIM	120	PENDANT		JELLY JAR PENDANT	
L4	NEXT	LIQUID_LIGHT DROP_1 SMALL	0-10 DIM	120	PENDANT	33	MILK DROP	
L5	USAI LIGHTING	B3RDF-09L2-27KS-20-S	0-10 DIM	120-277	RECESSED	9	3" RECESSED DOWN LIGHT	2
L6	AMERICAN LTG	POLAR 2 NEON	0-10 DIM	24V	UNDER COUNTER	2.8W/FT	WHITE LED ROPE LIGHT	1
L7	USAI LIGHTING	BLRD5-12C3-27KS-25-S-BL	0-10 DIM	120	PENDANT	12	GENERAL CYLINDERS	
L9	LIGHTOLOGY	UTT989723	-	120	PENDANT	100	DECORATIVE PENDANT	4
L11A	OMNI LIGHT	HUE-RGB30-HO	0-10 DIM	24V	RECESSED	5.86/FT	RGB LED TAPE LIGHT - OCH-SCS CHANNEL	1
L11B	OMNI LIGHT	HUE-RGB30-HO	0-10 DIM	24V	RECESSED	5.86/FT	RGB LED TAPE LIGHT - OCH-DCF/SWF CHANNEL	1
L15				120V	WALL		EXTERIOR GOOSENECK	5
L17	INSIGHT	PS6-MO-RGB40K-Q-	DMX CONTROL	120V	SURFACE	15W	RGBW SIGN LIGHT	
NOTES:								
1.	PROVIDE ALL ACCES	SSORIES REQUIRED (SPLICES, END C	ONNECTORS, POW	ER SOUR	CES, PLUGS, OUTLE	TS,ETC) F	OR A COMPLETE INSTALLATION.	
2.	VERIFY AND MATCH	COLOR OF CEILING WITH TRIM.						
3.	PROVIDE TRACK LT-	- IN COLOR MATCHING ASSOCIATI	ED TRACK HEADS.	AND IN LE	NGTHS AND QUAN	TITIES AS	REQUIRED FOR TOTAL TRACK LENGTHS	

AS SHOWN ON PLANS. PROVIDE ALL ACCESSORIES (TRANSFORMERS, CONNECTORS, END CAPS, ETC) FOR COMPLETE INSTALLATION.

4. PROVIDE EDISON A-SHAPE/MEDIUM E26 DIMMABLE LED LAMP.

5. PROVIDE GOOSENECK FIXTURE THAT MATCHES EXISTING EXTERIOR FIXTURES AS CLOSE AS POSSIBLE.

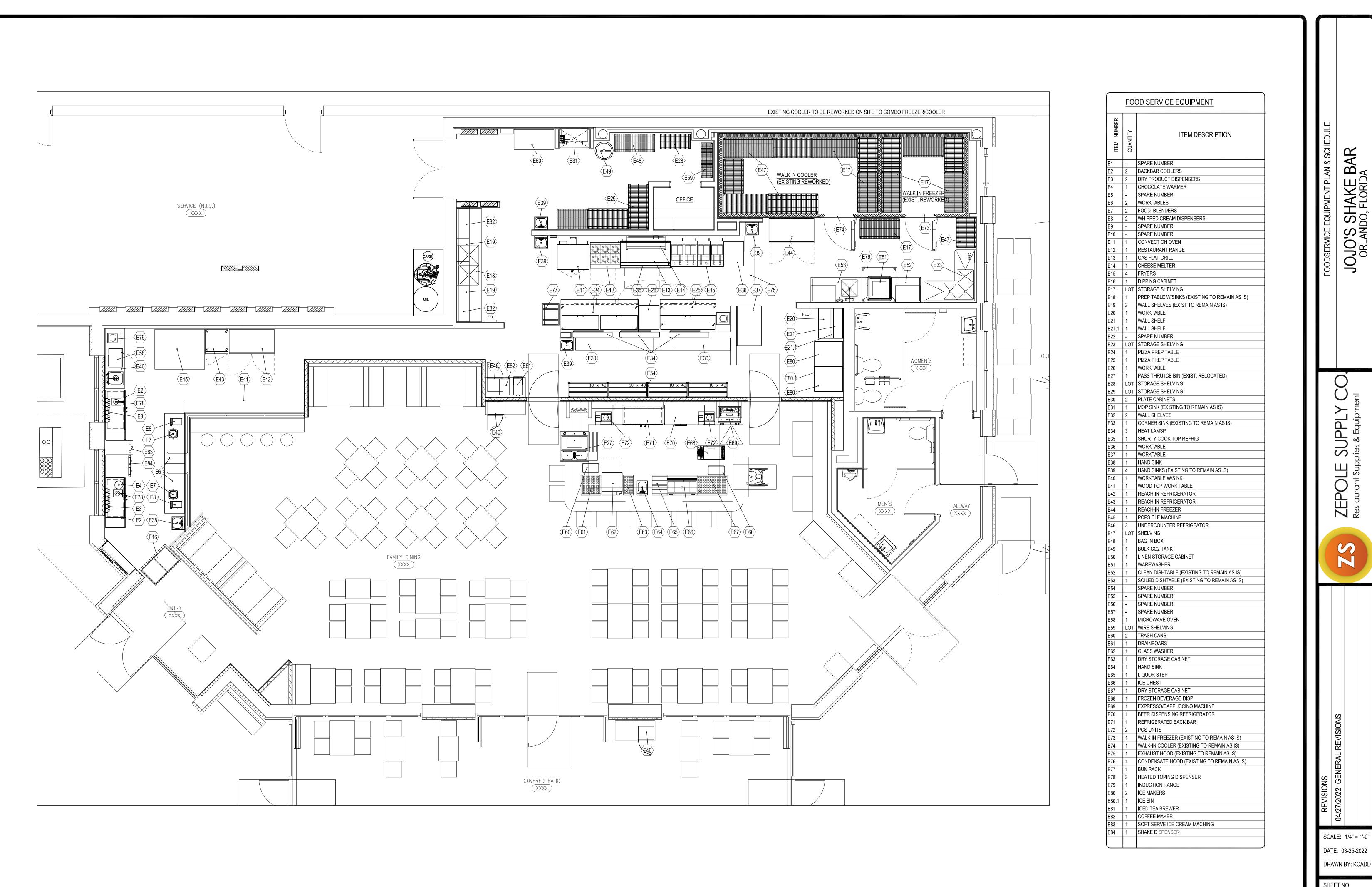
- GENERAL NOTES:

 A. ALL INTERIOR FIXTURES SHALL BE 2700 K UNLESS NOTED OTHERWISE.
- B. PROVIDE ALL REQUIRED ACCESSORIES FOR A COMPLETE INSTALLATION.C. REFERENCE PLANS FOR FIXTURES REQUIRING EMERGENCY.
- D. CONTRACTOR SHALL VERIFY CEILING TYPE PRIOR TO ORDERING ALL FIXTURES.

E3	THE EXISTING CONDITIONS INDICATED ON THIS DRAWING ARE TAKEN FROM THE BEST INFORMATION AVAILABLE FROM VISUAL SITE INSPECTIONS. THE INFORMATION IS SHOWN TO HELP ESTABLISH THE EXTENT OF THE WORK TO BE DONE. THE CONTRACTOR SHALL VERIFY ALL ACTUAL CONDITIONS AND THE
1	

INTENT OF THE WORK INDICATED ON THIS DRAWING.

	\cap	1
E3		
	V	



BAR

SHAKE I

JOJO'S ORLANE

SUPPLY

ZEPOLE Restaurant Supp

SCALE: 1/4" = 1'-0" DATE: 03-25-2022

SHEET NO.

	FO	OD SERVICE EQUIPMENT	ELECTRICAL S ELECTRICAL CONNECTIONS							AL S	CHEDULE I SYMBOLS
<u>۳</u>			 	ELEC	CTRICAI	L CONN	NECTIC	ONS I]		JUNCTION BOX (JB) JB ON EQUIPMENT
NUMBER	 _≻	ITEM DECODIDATION					ÆR	NN.	ш	 높	DUPLEX RECEPTACLE (DGR) SINGLE RECEPTACLE (SGR) FA-WIRING FROM ARV
	QUANTITY	ITEM DESCRIPTION	VOLTAGE	Щ	AMPERAGE	KILOWATTS	HORSEPOWER	TYPE OF CONN.	HEIGHT A F F	EQUIP. HEIGHT	DEDICATED DUPLEX FA=WIRING FROM ABV. AFF=ABOVE FIN FLR
ITEM	g Og		NOL1	PHASE	AMPE	KILO	HORS	TYPE	의 무	EQUI	REMARKS
1	-	SPARE NUMBER									
2		BACKBAR COOLERS DRY PRODUCT DISPENSERS	120	1	2.2			DGR	24"		
3 1		CHOCOLATE WARMER	120	1	1			DGR	48"		
5	-	SPARE NUMBER									
6		WORKTABLES FOOD BLENDERS	120	1	20			DGR	24"		CONVENIENCE OUTLETS
7 8		WHIPPED CREAM DISPENSERS	120	1	15			DGR	24"		GROMMET HOLE THRU TABLE TOP
9		SPARE NUMBER									
10 11		SPARE NUMBER CONVECTION OVEN	120	1	7.9			DGR	24"		
12		RESTAURANT RANGE	120	1	15			DGR	24"		CONVENIENCE OUTLET
13		GAS FLAT GRILL	120	1	15			DGR	24"		CONVENIENCE OUTLET
14 15		CHEESE MELTER FRYERS	120	1	15			DGR	24"		CONVENIENCE OUTLET
16	1	DIPPING CABINET	120	1	2			DGR	24"		
17		STORAGE SHELVING	-								
18 19		PREP TABLE W/SINKS (EXISTING TO REMAIN AS IS) WALL SHELVES (EXIST TO REMAIN AS IS)									
20	1	WORKTABLE	120	1	20			DGR	48"		CONVENIENCE OUTLET
21 21.1		WALL SHELF WALL SHELF									
22		SPARE NUMBER	<u> </u>								
23		STORAGE SHELVING	100		7.0						
24 25		PIZZA PREP TABLE PIZZA PREP TABLE	120 120	1 1	7.8 4.5			FHT DGR	24" 24"		
26	1	WORKTABLE	120	1	20			DGR	48"		
27		PASS THRU ICE BIN (EXIST. RELOCATED)									
28 29		STORAGE SHELVING STORAGE SHELVING									
30	2	PLATE CABINETS									
31 32		MOP SINK (EXISTING TO REMAIN AS IS) WALL SHELVES									
33		CORNER SINK (EXISTING TO REMAIN AS IS)									
34	3	HEAT LAMSP	120	1	9.2				CEIL		
35 36		SHORTY COOK TOP REFRIG WORKTABLE	120 120	1	8.1 20			DGR DGR	24" 48"		CONVENIENCE OUTLET
7		WORKTABLE	120	1	20			DGR	48"		CONVENIENCE OUTLET CONVENIENCE OUTLET
38		HAND SINK									
39 40		HAND SINKS (EXISTING TO REMAIN AS IS) WORKTABLE W/SINK									
41		WOOD TOP WORK TABLE									
42		REACH-IN REFRIGERATOR	120	1	5.4			DGR			
43 44		REACH-IN REFRIGERATOR REACH-IN FREEZER	120 120	1 1	3.7 9.6			DGR JB	24" CEIL		DROP CORD W/DGR FROM CEILING
45		POPSICLE MACHINE	120	1	5			DGR	24"		
46 47		UNDERCOUNTER REFRIGEATOR SHELVING	120	1	2.3			DGR	24"		
48		BAG IN BOX	120	1	20			DGR	24"		
49		BULK CO2 TANK									
50 51		LINEN STORAGE CABINET WAREWASHER	208	1	68.7			JB	24"		
52		CLEAN DISHTABLE (EXISTING TO REMAIN AS IS)	1 200	•	00.1			0.5			
53 54		SOILED DISHTABLE (EXISTING TO REMAIN AS IS) SPARE NUMBER					\square				
54 55		SPARE NUMBER SPARE NUMBER	1								
6	-	SPARE NUMBER									
57 58		SPARE NUMBER MICROWAVE OVEN	120	1	15			DGR	48"		
59		WIRE SHELVING	120	'	10			אטע	+0		
50		TRASH CANS									
51 52		DRAINBOARS GLASS WASHER	208	1	24.7			SGR	12"		
3	1	DRY STORAGE CABINET						11			
64 85		HAND SINK LIQUOR STEP									
35 36		ICE CHEST									
67	1	DRY STORAGE CABINET									
58 59		FROZEN BEVERAGE DISP EXPRESSO/CAPPUCCINO MACHINE	120 220	1	14 30			DGR SGR	12" 48"		
'0		BEER DISPENSING REFRIGERATOR	120	1	2.5			DGR	24"		
1		REFRIGERATED BACK BAR	120	1	4.8			DGR	24"		DEDICATED CIDCUIT, DDC//DE EVERTY/ IR ECO. COVERCY WITHIN
3		POS UNITS WALK IN FREEZER (EXISTING TO REMAIN AS IS)	120	1	20			DDGR	48"		DEDICATED CIRCUIT, PROVIDE EMPTY JB FOR CONTROL WIRING EXISTING UTILITIES TO REMAIN AS IS
'4	1	WALK-IN COOLER (EXISTING TO REMAIN AS IS)									EXISTING UTILITIES TO REMAIN AS IS
75 76		EXHAUST HOOD (EXISTING TO REMAIN AS IS)									EXISTING UTILITIES TO REMAIN AS IS
76 77		CONDENSATE HOOD (EXISTING TO REMAIN AS IS) BUN RACK									
78	2	HEATED TOPING DISPENSER	120	1	3.3			DGR			
79 20		INDUCTION RANGE	120	1	15			DGR	48"		
30 30.1		ICE MAKERS ICE BIN	208	1	9.5			JB	72"		
81	1	ICED TEA BREWER	120	1	14			DGR	48"		
82		COFFEE MAKER SOFT SERVE ICE CREAM MACHING	120 208	3	16.5 13			SGR SGR	48" 24"		
ጸረ		SHAKE DISPENSER	208	3	*			SGR (2)SGR			* REQUIRES (2) DEDICATED CIRCUITS (1) 15A & (1) 13A
83 84	1	JOHANE DIGI ENGEN		1				,	_		

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

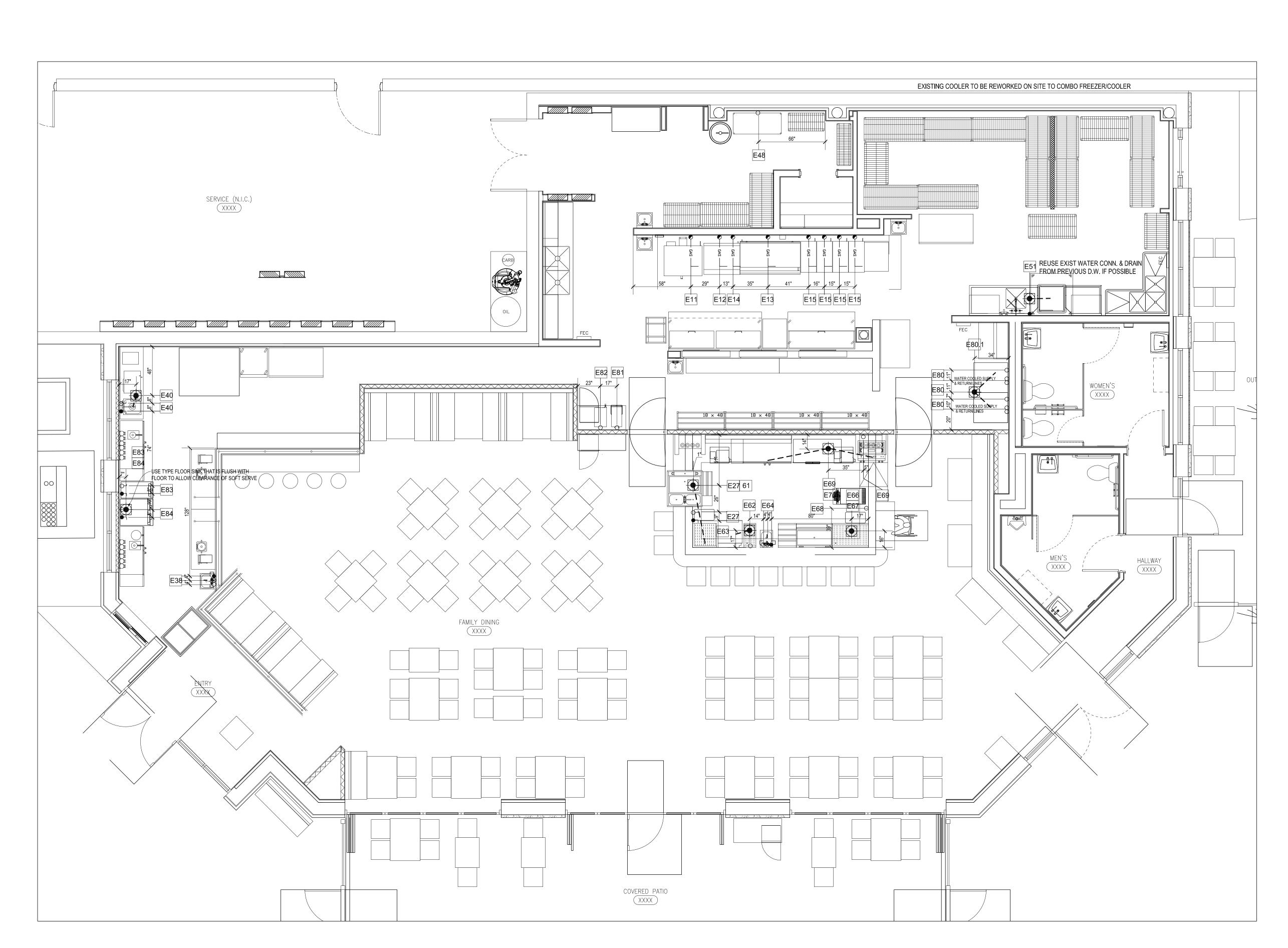
DATE: 03-25-2022

DRAWN BY: KCADD

SHEET NO.

FS-2

FS-3



PLUMBING NOTES:

Utility Load Schedule sheets:

Utility Load Schedule sheets are supplied as a convenience to project engineers in determining the requirements of various foodservice equipment. These are intended to be used in conjunction with equipment catalog cut sheets, shop drawings, etc. in the preparation of electrical and mechanical rough-indrawings.

1) Plumbing contractor to be responsible for the final connections and installation of all plumbing components such as but not limited to faucets, waste assemblies, etc) provided by the foodservice equipment contractor.

- 2) Plumbing contractor shall provide and install all necessary automatic fire gas shut off valves as required and verify with kitchen equipment contractor if shut off valve being supplied is mechanical or solenoid according to fire suppression system requirements.
 3) Plumbing contractor to verify with mechanical engineer and local codes all required components (such as grease traps, vacuum breakers, etc.) for the proper operation of foodservice equipment and type of drain connections required and install accordingly.
 4) Plumbing contractor to supply and install all required pressure reducing and regulating valves required for the proper operation of foodservice equipment.
- 5) All floor sinks and/or floor drains shall be set flush with finished floors fully or partially exposed floor sinks to be complets with top grate, type as indicated and supplied by plumbing contractor
 6) Plumbing contractor shall provide and run all indirect waste lines from equipment and
- fixtures and shall install and connect faucets unless noted otherwise
 7) General water pressure in kitchen shall not exceed 50 lbs. Pressure for dishwashers to be
 25 Lb. max. Plumbing contractor to furnish and install pressure reducing valves if required.
 8) Plumbing contractor to verify height of dishwashers and/or potwashers waste connections,
 make proper provision for traps, and set in or under floor if necessary.
 9)Verify mechanical requirements for all owner and/or purveyor supplied new and/or reused
- 10) Plumbing contractor shall run drain lines thru grease trap if required by code, IE: Pot sinks, Dishwashers, etc.
- 11) Co-ordinate with equipment manufacturers floor drain locations located under cooking equipment so drain location will not interfere with functioning or warranty of equipment (I.E. convection steamers & Combi Ovens).

General Plumbing Notes:

1) All dimensions shown are from finished walls, columns and floors. Where base sizes are shown they shall include finished surfaces.

2) All final and equipment interconnections are to comply with all, federal, state, and local codes.

Rough-in/Spot connection drawings are to be used in conjunction with equipment brochure books, shop drawings, etc. to determine all equipment requirements.

 A) All dimensions of rough-in locations are to be verified and agree with latest Architectural

5) All curbs (I.E. Masonry bases for Foodservice Equipment, Roof curbs for Fans and Refrigeration Racks Etc.) as required are not provided by the Kitchen Equipment Contractor.

6) Various trades to furnish any additional hardware required for the proper operation of

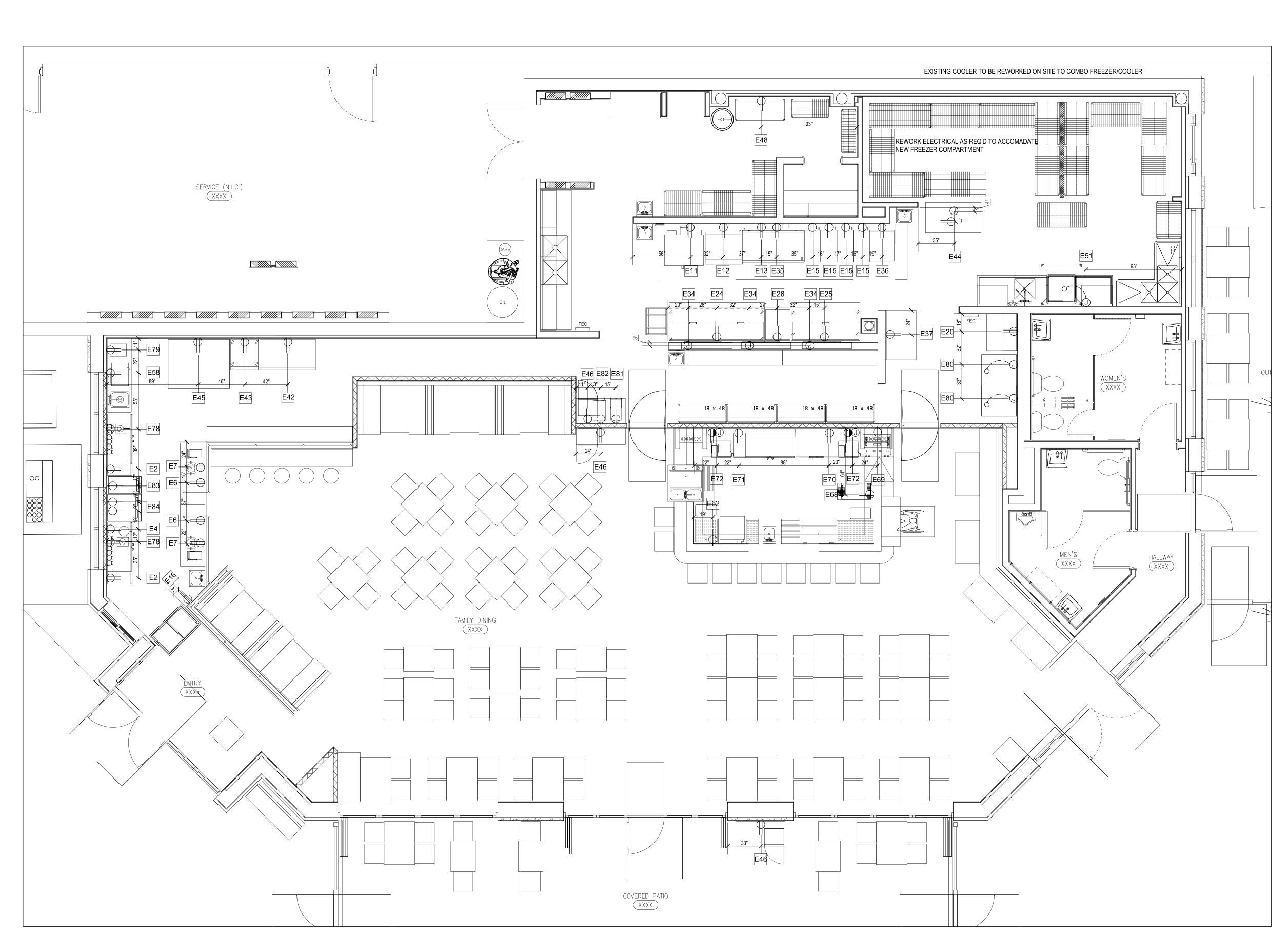
- 6) Various trades to furnish any additional hardware required for the proper operation of Foodservice Equipment such as all valves, stops, traps, disconnect switches and wiring to control equipment such as soda and remote compressors, Fire systems, and disposers as required.
- 7) Architect, Engineer, & Building trades to verify building code in regard to acceptable Drain and Pipe material. Foodservice drains need to accommodate temperatures above 200 degrees Fahrenheit. Drainage system needs to be designed accordingly.
 8) Trades to verify with owner/operator requirements for cash system and to supply all necessary components for its proper operation.
- 9) Trades to verify requirements with equipment manufacturer for items supplied by purveyor such as coffee makers, beverage dispensers, tea brewers, etc.

 10) General contractor to provide and install all necessary conduit for the routing of soda,
- beer, and refrigeration lines and verify routing with purveyor and owner.

 11) All outlets and connections shown on this plan are relative to foodservice equipment and fixtures. See architect/Engineer plans for additional requirements.
- 12) All connectios shown on this plan shall be made as per federal, state, and local codes 13) All Floor sinks and Floor drains shown on the foodservice equipment drawing are for food service equipment only. Area drains are the responsibility of the Mech. engineers.

UTILITIES SHOWN ARE ONLY FOR NEW AND/OR RELOCATED EQUIPMENT

SHEET NO.



ELECTRICAL NOTES:

Utility Load Schedule sheets:

Utility Load Schedule sheets are supplied as a convenience to project engineers in determining the requirements of various foodservice equipment. These are intended to be used in conjunction with equipment catalog cut sheets, shop drawings, etc. in the preparation of electrical and mechanical rough-indrawings.

General Electrical and Mechanical Notes:

1) All dimensions shown are from finished walls, columns and floors. Where base sizes are shown they shall include finished surfaces.

All final and equipment interconnections are to comply with all, federal, state, and local codes.

 Paugh-in/Spot connection drawings are to be used in conjunction with equipment brochure.

3) Rough-in/Spot connection drawings are to be used in conjunction with equipment brochure books, shop drawings, etc. to determine all equipment requirements.4) All dimensions of rough-in locations are to be verified and agree with latest Architectural

5) All curbs (I.E. Masonry bases for Foodservice Equipment, Roof curbs for Fans and Refrigeration Racks Etc.) as required are not provided by the Kitchen Equipment Contractor.

6) Various trades to furnish any additional hardware required for the proper operation of Foodservice Equipment such as all valves, stops, traps, disconnect switches and wiring to control equipment such as soda and remote compressors, Fire systems, and disposers as required.

7) Architect, Engineer, & Building trades to verify building code in regard to acceptable Drain and Pipe material. Foodservice drains need to accommodate temperatures above 200 degrees Fahrenheit. Drainage system needs to be designed accordingly.

8) Trades to verify with owner/operator requirements for cash system and to supply all necessary components for its proper operation.

9) Trades to verify requirements with equipment manufacturer for items supplied by purveyor such as coffee makers, beverage dispensers, tea brewers, etc.

10) General contractor to provide and install all necessary conduit for the routing of soda, beer, and refrigeration lines and verify routing with purveyor and owner.

11) All outlets and connections shown on this plan are relative to foodservice equipment and fixtures. See architect/Engineer plans for additional requirements.

fixtures. See architect/Engineer plans for additional requirements.

12) All connectios shown on this plan shall be made as per federal, state, and local codes

Electrical Notes:

1) All interwiring between roughed in electrical junction boxes and foodservice equipment are to be done by electrical contractor. This interwiring includes, but is not restricted to Walk-in refrigeration boxes, disposers, hot food wells, exhaust hoods, etc.

2) All connections shown on drawings are the approximate connection locations required for the foodservice equipment being furnished by the Kitchen Equipment Contractor and allowances must be made to extend to the final connection point.

3) Any changes to the locations shown on drawings are to be verified with the Architect,

Consultant and Foodservice Contractor.
4) Trades are to make final connections between electrical service rough-in points and

equipment to be compliant with local codes.
5) Dimensioned Roughin drawings are to be used in conjunction with equipment manufacturers shop drawings, detailed drawings, specifications, and equipment brochure

book in determining proper service to foodservice equipment.
6) Electrical Contractor shall furnish connections to equipment setting on counters that do not come with cord & plugs from outlet box or receptacle.

7) Electrical outlets and piping roughed up under island equipment to be stubbed up a maximum of 4" max to top of device or less so as not to interfere with the installed equipment with all floor openings sealed water tight or 1" Min above fin floor or flush with curbs.

8) Electrical contractor shall supply and install all junction boxes, refrigeration pull boxes, electrical outlets, cover plates, switches and disconnect switches not built into foodservice equipment or fixtures, also, conduit, wiring and component installation of remote refrigeration and cold storage room equipment, including lighting fixtures as shown on plan.

9) Electrical contractor shall provide lock-out devices on circuit breakers controlling exhaust, refrigeration and fire protection system controls.

10) Electrical contractor shall furnish and install all startors, meter control switches, remeter.

10) Electrical contractor shall furnish and install all starters, motor control switches, remote controls and tr4ansformers, if required, for foodservice equipment and fixtures.
11) Electrical contractor shall supply all required cords and caps for those items supplied by KEC that do not come provided with cord and cap. Electrical contractor shall provide U.L. approved connectors for manufactured appliances and/or fabricated equipment.

Walk-in Refrigerated boxes and Remote Refrigeration equipment:

Additional Walk-in lights are supplied by the Kitchen Equipment contractor and are to be wired in field by Electrical Contractor.
 All interwiring between remote remote refrigerated condensers/compressors to be done by Electrical contractor.

3) Electrical Contractor to interwire between drain line heat tape and junction box in all walk-in freezers.

4) Electrical Contractor to interwire between junction box and Walk-in cooler controls, door heater, and all additional Walk-in accessories including defrost time clock on freezers.
5) Ice Makers - Electrical Contractor to make all necessary interwiring connections between ice machine and remote refrigeration condenser/compressors.

Exhaust Hoods:

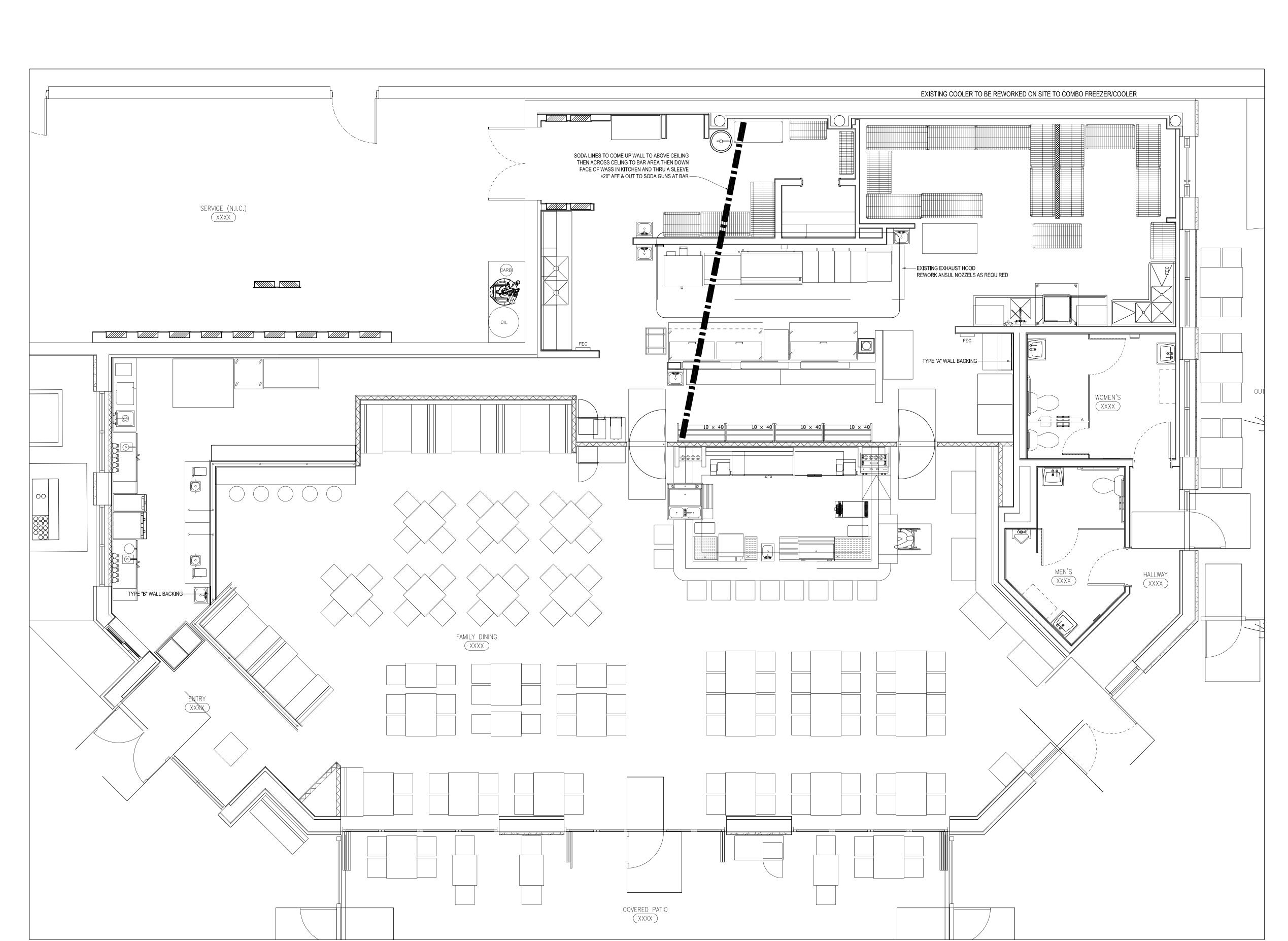
1) Electrical contractor to provide octagonal "J" boxes with $\frac{3}{4}$ " conduit to above finished ceiling for fire suppression system remote pulls. These locations and requirements are to be verified with fire suppression system contractor and local and state codes.

2) Electrical contractor to co-ordinate with fires suppression system contractor and supply and install shunt trips in electrical panels that would shut off cooking equipment items in conjunction with fire systems and interwire with fire systems and fire alarms and equipment

valves.
3) Electrical contractor to interwire with any alarm devices that might be required by federal, state or local codes.

UTILITIES SHOWN ARE ONLY FOR NEW AND/OR RELOCATED EQUIPMENT

DRAWN BY: KCADD



GENERAL CONTRACTORS NOTES:

General Contractors Notes:

1) All walls in contact with or within 6" of fryers, ranges, broilers or Ovens, shall be constructed of Non-Combustible, heat proof materials.

2) Unless specified otherwise General contractor shall furnish and install all stainless steel wall caps and/or corner guards in positions as shown on plan. Wall caps and/or corner guards shall be minimum 12 ga. stainless steel, vertical type, 4'-0" high

3) Refrigeration and Ventilation information are intended to show approximate outlet locations, connections positions and load requirements. Final locations will be shown on approved, dimensioned manufacturer's shop drawings.

4) All refrigerant conduit runs shall have a minimum of 24" radius bends and shall terminate 2" out of walls and/or floors

2" out of walls and/or floors

5) All exhaust duct connections are shown with inside dimensions. Connecting ductwork

shall sleeve into duct openings and be made "grease proof".
6)All ductwork beyond the connection points shown on this plan, and all required roof-top equipment including curbs, exhaust & supply fans, etc, shall be furnished and installed by the HVAC contractor unless noted otherwise.

> WALL BACKING: General Contractor to provide In-Wall Reinforcing or Plywood backing as required for wall mounted equipment. Co-ordinate with Foodservice Equipment Contractor.

TYPE "A" WALL BACKING - FOR WALL SHELVING AND CABINETS 36" TO 96" ABOVE FINISHED FLOOR

TYPE "B" WALL BACKING - FOR HAND SINKS 24" TO 48" ABOVE FINISHED FLOOR

TYPE "C" WALL BACKING - FOR COOKING LINE EQUIPMENT RESTRAING DEVICES AND WALL MTD. EQUIPMENT +6" TO 78" ABOVE FINISHED FLOOR

VERIFY NECESSITY OF WALL BACKING FOR FOR EXISTING BUILDING STRUCTURE