JOJO'S SHAKE BAR

88 W COLUMBIA ST DETROIT, MI 48201

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WASTE & VENT FIRST FLOOR PLAN

PROJECT INFORMATION:

ZONING CLASSIFICATION: B-5 MAJOR BUISNESS DISTRICT OCCUPANCY CLASSIFICATION: A-2 - ASSEMBLY CONSTRUCTION TYPE: II-B
OCCUPANT LOAD: 150 PERSONS

APPLICABLE BUILDING CODES:

2015 MICHIGAN BUILDING CODE
2009 INTERNATIONAL EXISTING BUILDINGS CODE
2019 DETROIT CITY CODE
2015 MICHIGAN ENERGY CODE
2009 101 LIFE SAFETY CODE
2009 INTERNATIONAL FIRE CODE (WITH LOCAL AMENDMENTS)*
2012 MICHIGAN MECHANICAL CODE
2014 MICHIGAN ELECTRICAL CODE
2015 MICHIGAN PLUMBING CODE
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

FIRE PROTECTION NOTES:

FIRE PROTECTION SCOPE OF WORK

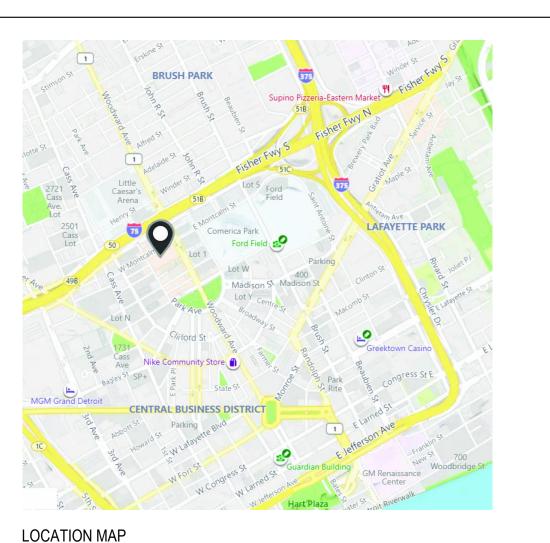
THE CONTRACTOR TO MODIFY THE EXISTING SPRINKLER SYSTEM AS REQUIRED TO PROVIDE A FULLY FUNCTIONING, CODE COMPLIANT, SPRINKLER SYSTEM. THE FIRE PROTECTION CONTRACTOR MUST BE APPROVED BY THE LANDLORD AND WILL BE REQUIRED TO PRODUCE AND SUBMIT THE NECESSARY DOCUMENTS FOR, AND OBTAIN THE NECESSARY PERMITS.

FIRE ALARM SCOPE OF WORL

THE CONTRACTOR TO MODIFY THE EXISTING FIRE ALARM SYSTEM AS REQUIRED TO PROVIDE ALL OF THE NECESSARY COMPONENTS FOR A FULLY FUNCTIONING, CODE COMPLIANT, FIRE ALARM SYSTEM. THIS SYSTEM SHALL INCLUDE, BUT NOT BE LIMITED TO, AUDIO/VISUAL DEVICES, PULL STATIONS, DUCT SMOKE DETECTORS, REMOTE TEST STATIONS, AREA SMOKE DETECTORS, FLOW SWITCH, MUSIC SYSTEM SHUTDOWN RELAY AND TAMPER SWITCH. ONLY THOSE DEVICES REQUIRED BY CODE SHALL BE INSTALLED. THE FIRE ALARM CONTRACTOR MUST BE APPROVED BY THE LANDLORD AND WILL BE REQUIRED TO PRODUCE AND SUBMIT THE NECESSARY DOCUMENTS FOR, AND OBTAIN THE NECESSARY PERMITS.

SCOPE OF WORK:

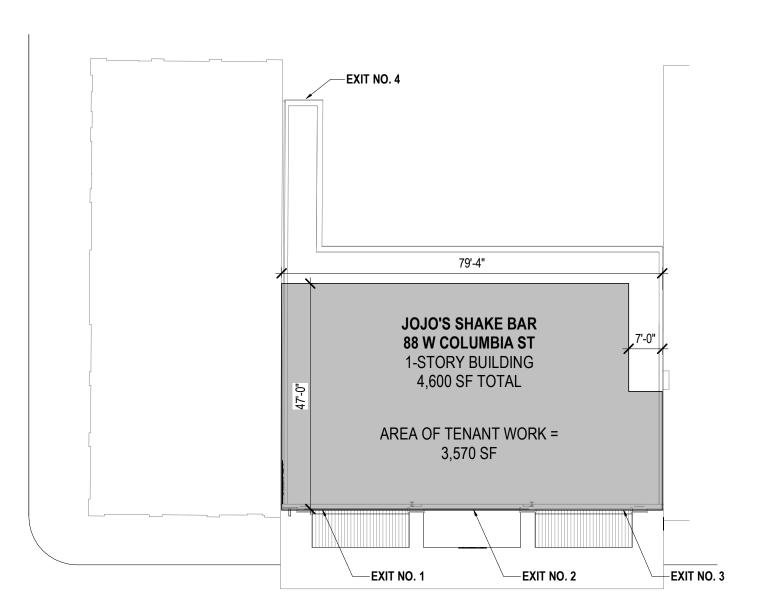
INTERIOR ALTERATIONS TO AN EXISTING VACANT SPACE FOR A NEW RESTAURANT. SCOPE OF WORK TO INCLUDE MINOR DEMOLITION, CONSTRUCTION, ELECTRICAL, MECHANICAL AND PLUMBING. NO CHANGES TO BUILDING STRUCTURAL SYSTEM.





ZONING MAP NOT TO SCALE

NOT TO SCALE



SITE KEY PLAN

1" = 20'-0"

DESIGN ARCHITECT:

MUNICIPALITY APPROVAL STAMP

architecture · interior design · manag

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IN ASSOCIATION WITH THE ARCHITECT:

RH SWEERS II, PROPRIETOR

RH SWEERS ARCHITÉCT rhs@sweersaarch.com

THIS DRAWING HAS BEEN PREPARED UNDER MY SUPERVISION, AND I DISCLAIM RESPONSIBILITY FOR EXISTING BUILDING, CONSTRUCTION OR SITE CONDITIONS / IMPROVEMENTS, OR ANY DOCUMENTS WHICH DO NOT BEAR MY SIGNATURE AND SEAL. DO NOT CONTACT THE ARCHITECT FOR BIDDING INFORMATION OR QUESTIONS, AS THE ARCHITECT IS

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JOJO'S SHAKE BAR
23 W HUBBARD ST
CHICAGO, IL 60654

PROJECT NAME:

JOJO'S SHAKE BAR

OCATION:

88 W COLUMBIA ST DETROIT MI 48201

	DETROIT, MI 48201	
ISSUE #	ISSUED FOR:	DATE
1	MEP BACKGROUNDS	09/02/2021
2	LANDLORD REVIEW	09/29/2021
3	PERMIT / CONSTRUCTION	12/22/2021

CLIENT APPROVAL: DATE:

TITLE SHEET

PROJECT

TITLE:

2026

_100

ISSUED FOR PERMIT AND CONSTRUCTION - 12/22/2021

GENERAL NOTES:

STRUCTURAL, FIRE PROTECTION, ETC.) TO COMPLETE THEIR TASKS.

- INSTRUCTIONS TO BIDDERS AND GENERAL CONDITIONS SHALL BE CONSIDERED PART OF THE CONTRACT DOCUMENTS. 2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE RULES, REGULATIONS AND PROCEDURES OF THE OWNER, THE BEST TRADE PRACTICES, AND GOVERNMENTAL AUTHORITIES HAVING JURISDICTION (AHJ) OVER THE WORK. WHERE CODE REQUIREMENTS OF AGENCIES HAVING JURISDICTION OVER THE AREA OF THE WORK DIFFER FROM RULES, REGULATIONS AND PROCEDURES OF THE OWNER, THE MOST STRINGENT OF REQUIREMENT SHALL GOVERN. 3. THE CONTRACTOR SHALL PROVIDE ADEQUATE WEATHER PROTECTION FOR THE BUILDING AND ITS CONTENTS DURING THE COURSE OF THE WORK, ALL ROUGH. TEMPORARY AND INCOMPLETE OPENINGS IN ANY WALL OR ROOF SHALL BE PROTECTED FROM ALL FORMS OF WEATHER OR WATER PENETRATION THROUGH BUILDING
- 4. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD, WHETHER OR NOT SPECIFICALLY NOTED, AND SHALL REPORT ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS TO THE ARCHITECT PRIOR TO STARTING WORK. 5. THE CONTRACTOR SHALL COORDINATE ALL MISCELLANEOUS DETAILS & INSTALLATION TO ASSURE PROPER ASSEMBLY OF ALL MATERIALS SPECIFIED IN CONTRACT. 6. THE CONTRACTOR SHALL LAY OUT THEIR OWN WORK AND SHALL COORDINATE ALL WORK REQUIRED FOR OTHER TRADES (PLUMBING, ELECTRICAL, MECHANICAL,
- 7. THE CONTRACTOR SHALL DO ALL CUTTING, FITTING OR PATCHING OF WORK THAT MAY BE REQUIRED TO MAKE ALL WORK COME TOGETHER PROPERLY AND FIT TO RECEIVE OR BE RECEIVED BY WORK OF OTHER CONTRACTORS SHOWN WITHIN REASONABLY IMPLIED BY THE CONTRACT DOCUMENTS. 8. THE CONTRACTOR SHALL AT ALL TIMES PROTECT THE PROPERTY OF THE BUILDING AND OWNER. THE CONTRACTOR SHALL PROTECT ALL EXISTING WORK FROM DAMAGE AND SOILING DURING THE CONSTRUCTION PERIOD. ANY DAMAGED OR SOILED ITEMS SHALL BE RESTORED TO "LIKE NEW CONDITION" AT NO COST TO THE YNER. IT IS THE INTENT OF THIS CONTRACT THAT THE ENTIRE AREA WITHIN THE CONTRACT LIMITS SHALL BE IN A "LIKE NEW CONDITION", AND THAT ANY DAMAGE TO OTHER ADJACENT AREAS CAUSED BY THIS CONSTRUCTION WORK SHALL BE REPAIRED AND RESTORED BEFORE ACCEPTANCE BY THE OWNER. 9. THE CONTRACTOR SHALL FURNISH A SYSTEM OF TEMPORARY LIGHTS THROUGHOUT THE SPACES UNDER CONSTRUCTION AS REQUIRED TO MAINTAIN MINIMUM SAFE
- GHTING LEVELS AS MANDATED BY ALL MUNICIPAL, BUILDING AND OCCUPATIONAL SAFETY CODES AND GUIDELINES GOVERNING THE PROJECT 10. ALL HEIGHTS NOTED A F.E. (ABOVE FINISHED FLOOR) SHALL BE ABOVE A SINGULAR 0'-0" DATUM POINT AT THE HIGH POINT OF THE FINISHED CONCRETE SLAB OR FINISH FLOOR MATERIAL DETERMINED BY THE ARCHITECT AND VERIFIED / CONSTRUCTED BY THE CONTRACTOR IN THE FIELD. 11 THE LAYOUT OF PARTITIONS AND OPENINGS SHALL BE VERIFIED BY THE ARCHITECT PRIOR TO SECURING FLOOR CHANNELS. ARCHITECT'S VERIFICATION DOES NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITY IN CONFORMING WITH THE CONTRACT DOCUMENTS. CONTRACTOR TO INFORM THE ARCHITECT AND OWNER WHEN THE
- 12 ALL NEW PARTITIONS SHALL BE PLUMB. STRAIGHT AND SHALL ALIGN WITH FLEMENTS AS SHOWN ON THE DRAWINGS. ALL ANGLES SHALL BE 90 DEGREES LINLESS OTHERWISE NOTED. REINFORCEMENT SHALL BE PROVIDED AT ALL OPENINGS, AS REQUIRED. METAL CORNER BEADS SHALL BE INSTALLED AT ALL OUTSIDE CORNERS CASING MOLDINGS AND OTHER EDGE REINFORCEMENTS SHALL BE INSTALLED, AS REQUIRED BY PREMIUM STANDARDS OF PRACTICE AS INDICATED IN THE CONTRACT
- 13. THE CONTRACTOR SHALL COORDINATE THE SETTING OF ALL NECESSARY BLOCKING AND WALL REINFORCEMENT AS REQUIRED OR CALLED FOR IN THE CONTRACT DOCUMENTS, INCLUDING OWNER SUPPLIED CUTSHEETS AND PRODUCT INFO. COORDINATE BLOCKING WITH ALL EQUIPMENT REQUIREMENTS. ALL WOOD BLOCKING TO BE FIRE TREATED, FSC CERTIFIED PER LEED INITIATIVES AND MANIFESTED ACCORDING TO CHAIN OF CUSTODY REQUIREMENTS. 4. SHOP DRAWINGS: SHOP DRAWINGS INDICATING ALL DIMENSIONS, FINISHES, CONNECTIONS, MATERIALS, AND MEANS OF SUPPORT SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL FOR ALL ITEMS REQUESTED ON THE DRAWINGS AND IN THE SPECIFICATIONS. THE CONTRACTOR IS TO RECEIVE APPROVALS PRIOR TO BEGINNING CONSTRUCTION. ANY WORK INSTALLED PRIOR TO APPROVAL IS SUBJECT TO REMOVAL AND REINSTALLATION AT NO COST TO OWNER OR
- 15. SHOP DRAWINGS: CONTRACTOR IS TO SIGN EACH SHOP DRAWING SUBMITTAL CERTIFYING THAT THE SUBMITTAL HAS BEEN REVIEWED, CONFIRMED TO BE IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND DESIGN INTENT, AND THAT THE CONTRACTOR COORDINATION HAS BEEN APPROVED PRIOR TO SUBMISSION OF SHOP DRAWINGS TO ARCHITECT
- 16. THE CONTRACTOR IS TO SUPPLY FLUSH FINISHED ACCESS DOORS WHERE REQUIRED, EXCEPT AS OTHERWISE NOTED. THE CONTRACTOR IS RESPONSIBLE FOR SUPPLYING ACCESS DOORS IN THE SIZE AND QUANTITY AS REQUIRED BY THE OWNER OR BUILDING CODES FOR ALL SUPPLEMENTAL MECHANICAL EQUIPMENT, ELECTRICAL, SPRINKLER VALVES, FIRE DAMPERS, ETC. OR OTHER SUCH DEVICES INSTALLED OR LOCATED ABOVE THE CEILING OR IN THE WALLS. THE CONTRACTOR IS O RECEIVE APPROVAL FOR ALL ACCESS DOOR LOCATIONS PRIOR TO ORDERING MATERIAL AND INSTALLATION. CONTRACTOR TO INFORM THE ARCHITECT AND THE OWNER WHEN ACCESS DOOR LOCATIONS HAVE BEEN IDENTIFIED AND PREPARED FOR REVIEW AND APPROVAL. 17. ALL BUILDING CONDITIONS INCLUDING SIZE OF DOOR OPENINGS, CORRIDOR WIDTHS, WINDOW OPENINGS, ETC., SHALL BE CHECKED AGAINST DELIVERY ITEMS BY THE
- CONTRACTOR TO SATISFACTION. ALL CHARGES INVOLVING THE INSTALLATION, REMOVAL AND/OR OPERATION OF A HOIST OR RIGGING SYSTEM, IF REQUIRED, SHALL BE BORNE BY THE CONTRACTOR USING THIS SERVICE. ALL SUCH WORK IS TO BE PERFORMED BY PERSONS SKILLED AND KNOWLEDGEABLE IN THEIR RESPECTIVE 18. THE CONTRACTOR SHALL MAKE ALL REQUIRED ARRANGEMENTS FOR DELIVERY EQUIPMENT AND/OR MATERIALS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK AND COMPLY WITH THE RULES AND REGULATIONS GOVERNING THE WORK ON THE PREMISES. THE SCHEDULING AND TIME OF DELIVERY SHALL BE ESTABLISHED WITH THE PERSON OR AUTHORITIES HAVING JURISDICTION OVER THE PREMISES. OVERTIME CHARGES AND/OR ANY OTHER NECESSARY
- EXPENSES SHALL BE PAID BY THE CONTRACTOR REQUIRING THE SERVICE 19. BUILDING OWNER SHALL BE NOTIFIED IN ADVANCE OF ANY SHUT DOWN OF OPERATIONAL SERVICES, INCLUDING BUT NOT LIMITED TO, SMOKE DETECTORS AND LIFE SAFETY SYSTEMS IN ANY ADJACENT FACILITIES DUE TO CONSTRUCTION ACTIVITIES OF THIS BUILDING. A FIRE WATCH WILL BE INSTITUTED BY CONTRACTOR DURIN PERIODS OF LIFE SAFETY SYSTEM SHUT DOWN. ANY AND ALL SERVICE SHUTDOWNS SHALL BE COORDINATED WITH AND APPROVED BY THE BUILDING AND PROPERTY
- 20. THE CONTRACTOR SHALL OBTAIN, RETAIN, AND MAKE AVAILABLE FOR ONSITE INSPECTION AT ALL TIMES APPLICABLE MATERIAL SAFETY DATA SHEETS FOR ALL TOXIC SUBSTANCES AND HAZARDOUS MATERIALS TO BE USED UNDER THIS CONTRACT. ONE COPY OF SAID DATA SHEETS MUST BE SUBMITTED TO THE OWNER AND OWNER'S REPRESENTATIVE PRIOR TO INTRODUCTION OF MATERIAL TO THE JOBSITE. CONTRACTOR TO REFER TO PROJECT MANUAL FOR ALL OWNER REQUIRED AND LEED STIPULATED MSDS APPLICABLE OPERATION AND MAINTAINENCE DOCUMANTATION / SUBMISSION REQUIREMENTS. 21. PROVIDE TEMPORARY FIRE EXTINGUISHERS DURING CONSTRUCTION AND PERMANENT FIRE EXTINGUISHERS THROUGHOUT THE JOBSITE PER APPLICABLE CODES. FINAL, PERMANENT LOCATIONS TO BE COORDINATED WITH ARCHITECT. ALL FIRE EXTINGUISHER CABINET LOCATIONS ARE TO BE COORDINATED WITH THE ARCHITECT/DESIGNER AND LOCAL FIRE OFFICIAL PRIOR TO INSTALLATION
- 22. NO MATERIALS CONTAINING ASBESTOS ARE TO BE USED IN THIS CONTRACT. 23. THE CONTRACTOR WARRANTS, BY TENDERING HIS/HER BID THAT HE/SHE HAS VISITED THE SITE AND CAREFULLY INSPECTED THE EXISTING CONDITIONS AFFECTING HIS/HER WORK. ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS AND THE DRAWINGS MUST BE REPORTED TO THE ARCHITECT, IN WRITING, BEFORE THE
- 24. ALL CONSTRUCTION OPERATIONS SHOWN ON THE DRAWINGS SHALL BE SUPERVISED AND COORDINATED IN SEQUENCE TO ENSURE PROPER AND MAXIMUM UTILIZATION OF MANPOWER TO PREVENT ANY CONFLICT IN TRADE AND ENSURE COMPLETION BY ASSIGNED DEADLINE. 25. A REPRESENTATIVE OF THE CONTRACTOR AUTHORIZED TO DISCUSS THE WORK AND RECEIVE DIRECTIONS FROM THE ARCHITECT SHALL BE AT THE JOB SITE AT ALL TIMES THAT WORK IS IN PROGRESS 26. IT IS IMPERATIVE THAT PARTIES RESPONSIBLE FOR RESPECTIVE PORTIONS OF THIS WORK CONDUCT A COMPREHENSIVE FIELD SURVEY OF EXISTING CONDITIONS AND
- THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL ASPECTS OF THE WORK. REPORT ANY DISCREPANCIES BETWEEN THE DRAWINGS AND EXISTING CONDITIONS TO THE ARCHITECT AND OWNER BEFORE COMMENCING ANY PORTION OF THE WORK. 27. GREAT CARE SHALL BE EXERCISED DURING THE COURSE OF THE WORK TO PROTECT ANY EXISTING MATERIALS OR OPERATIONS FROM DAMAGE OR DISRUPTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE GOOD ANY AND ALL DAMAGE ATTRIBUTABLE TO ANY FORCES / OCCURANCES UNDER HIS/HER SUPERVISION. 28. LABOR AND QUANTITIES SHALL BE FURNISHED IN SUFFICIENT QUANTITIES AND IN AMPLE TIME TO PERFORM ALL EXPEDITING AND SCHEDULING NECESSARY TO
- COMPLETE THE WORK WITHIN THE TIME DURATION STATED, AGREED TO, AND CONTRACTED. 29. THE CONTRACTOR SHALL PROVIDE SUFFICIENT LABOR FORCE TO SATISFACTORILY COMPLETE THE ASSIGNED WORK TASKS AND AVOID ANY DELAYS IN THE COMPLETION OF SAID WORK. EACH TRADE WILL BE EXPECTED TO PERFORM SO AS NOT TO DELAY OR HOLD UP TRADES FOLLOWING THEIR WORK PER THE
- CONTRACTOR'S SEQUENCE OF OPERATION. 30. THE CONTRACTOR SHALL DO ALL CUTTING, FITTING AND PATCHING OF HIS/HER WORK THAT MAY BE REQUIRED TO MAKE SEVERAL PARTS FIT TOGETHER PROPERLY AND SHALL NOT ENDANGER ANY WORK BY CUTTING, EXCAVATING OR OTHERWISE ALTERING THE WORK. 31. ALL PARTIES SHALL BE RESPONSIBLE FOR THEIR OWN DELIVERIES. RUBBISH REMOVAL AND CLEAN UP REQUIRED BY THEIR OPERATION. ALL ASSOCIATED COSTS SHALL BE INCLUDED IN CONTRACTED PRICE.
- 32. THE CONTRACTOR SHALL NOT PROCEED WITH ANY WORK FOR WHICH HE/SHE EXPECTS ADDITIONAL COMPENSATION BEYOND THE EXECUTED CONTRACT AMOUNT WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER. FAILURE TO DO SO SHALL INVALIDATE ANY CLAIM FOR EXTRA COMPENSATION. 33. ALL FINISH WOOD CARPENTRY IS TO BE COMPLETED IN STRICT ACCORDANCE WITH A.W.I STANDARDS PREMIUM GRADE AND IN CONFORMANCE WITH ALL UNITED STATES GREEN BUILDING COUNCIL (USGBC) AND LEED INITIATIVES APPLICABLE TO THE PROJECT. 34. PROVIDE NEW, CONCEALED, FOREST STEWARDSHIP COUNCIL (FSC) CERTIFIED, NON-COMBUSTIBLE / FIRE RETARDANT WOOD OR SHEET METAL BLOCKING IN WALLS TO
- ACCOMMODATE ALL CASEWORK, MILLWORK, SPECIALTY ITEMS, ACCESSORIES, WALL HUNG PARTITIONS, WALL OR CEILING MOUNTED EQUIPMENT AND AT WALL AND CFILING RELATED BLOCKING REQUIREMENTS. 35. ALL WORK IS TO BE COORDINATED BY THE GENERAL CONTRACTOR TO ASSURE ADEQUATE FIT. FINISH, SYSTEM OPERATION, AND FULL COMPLETION OF THE WORK. LUDING SERVICE REQUIREMENTS OF THE OWNER PROVIDED FIXTURES, FURNISHING AND EQUIPMENT 36, ALL WORK IS TO BE COMPLETED IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, RUILES, REGULATIONS, AND STANDARDS, INCLUDING BUT NOT
- LIMITED TO THE INTERNATIONAL BUILDING CODE, THE ILLINOIS BUILDING CODE, THE ILLINOIS ACCESSIBILITY CODE, THE ILLINOIS PLUMBING, MECHANICAL, AND ELECTRICAL CODES, THE ILLINOIS FIRE CODE, NATIONAL FIRE PROTECTION AGENCY (NFPA), THE AMERICANS WITH DISABILITIES ACT (ADA), AND APPLICABLE TRADE STANDARDS, ALL APPLICABLE RULES AND REGULATIONS ARE TO BE THE MOST CURRENT ADOPTED EDITION. CONTRACTORS TO MEET WITH OWNER AND LOCAL JURISDICTION(S) PRIOR TO COMMENCEMENT OF WORK TO UNDERSTAND FULLY ALL BUILDING CONSTRUCTION RULES AND REGULATIONS GOVERNING THE PROJECT SITE INCLUDING, BUT NOT LIMITED TO, HOURS OF WORK, REMOVAL OF DEBRIS, CONSTRUCTION ACTIVITY POLLUTION PREVENTION AND NOISE REGULATIONS ETC.
- 38. GENERAL CONTRACTOR SHALL COORDINATE ALL MECHANICAL AND ELECTRICAL FLOOR AND WALL SLEEVES, CONDUIT AND ALL MECHANICAL SHAFTS WITH THE MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, STRUCTURAL AND ARCHITECTURAL DRAWINGS. 39. ARCHITECTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER ENGINEERING DRAWINGS FOR ELECTRICAL. MECHANICAL AND TELE/DATA DEVICE AND LIGHT FIXTUR LOCATIONS TYPICAL. THE GENERAL CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY AND ALL DISCREPANCIES PRIOR TO INSTALLATION. ARCHITECT SHALL BE GIVEN
- AN OPPORTUNITY TO CORRECT DISCREPANCY PRIOR TO INSTALL OF ANY DEVICE(S) OR FIXTURE(S). OWNER SHALL NOT BE MADE RESPONSIBLE FOR COST INCURRED CORRECT DEVICES OR FIXTURES LOCATED CONTRARY TO DESIGN INTENT WHERE DESIGN TEAM WAS NOT AFFORDED THE OPPORTUNITY TO CORRECT AN EXISTING CONTRACT DOCUMENT DISCREPANCY 40. ALL MATTERS OF AESTHETIC EFFECT MUST BE DETERMINED BY THE ARCHITECT. 1. PROVIDE TEMPORARY BARRIERS OR PARTITIONS, COORDINATING WITH CONTRACT DOCUMENTS AND LEED INITIATIVES WHERE IDENTIFIED, DURING CONSTRUCTION
- TO PREVENT SPREAD OF DUST OR OTHER RELATED MATERIALS. VERIFY AND COORDINATE LOCATIONS WITH THE ARCHITECT AND/OR OWNER. CONTRACTOR SHALL MAINTAIN ALL REQUIRED EXIT WAYS, FIRE RATINGS AND FILTRATION MEDIA RATINGS AT ALL TIMES. 42. WHERE APPLICABLE, THE METHOD OF ATTACHING TENANT'S CONSTRUCTION TO OWNERS BUILDING STRUCTURE WILL BE IN ACCORDANCE WITH OWNERS CRITERIA AND AS REQUIRED BY CODE. 43. IT SHALL BE THE RESPONSIBILITY OF EACH CONTRACTOR AND HIS RESPECTIVE SUBCONTRACTORS TO KEEP THE BUILDING AND ADJOINING PREMISES FREE AT ALL TIMES FROM THE ACCUMULATION OF DEBRIS CAUSED AS A RESULT OF THE WORK PERFORMED FACH DAY OF CONSTRUCTION.
- 44. THE CONTRACTOR, WITHOUT EXTRA CHARGE, SHALL PERFORM SLIGHT ALTERATIONS INCLUDING CUTTING, FITTING OR PATCHING OF HIS WORK AS MAY BE VECESSARY TO MAKE ADJUSTABLE PARTS FIT TO FIXED PARTS. CONTRACTOR SHALL LEAVING ALL WORK COMPLETE AND IN PROPER "LIKE NEW" CONDITION WHEN 45. ANY CHANGES, SUBSTITUTION, OMISSION, OR OTHER DEVIATIONS FROM THESE DRAWINGS DURING OR BEFORE CONSTRUCTION OF THE BUILDING SHALL NOT BE THE
- RESPONSIBILITY OF THE ARCHITECT, ENGINEER OR OWNER UNLESS AUTHORIZED IN WRITING BY THE ARCHITECT, THE ARCHITECTS CONSULTANTS OR THE OWNER. CHANGES NOT APPROVED SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE AND WITHOUT DETRIMENTAL IMPACT TO CONSTRUCTION COMPLETION / 46. THE ARCHITECT SHALL HAVE THE RIGHT AT ANY TIME TO MAKE ALTERATIONS. ADDITIONS TO AND DEDUCTIONS FROM THE WORK SHOWN ON THE DRAWINGS OR
- DESCRIBED IN THE SPECIFICATIONS WITHOUT VOIDING THE CONTRACT. ALL SUCH ITEMS WILL BE MADE BY SPECIFICATION COMPLIANT METHODS, WILL BE COVERED BY A REVISION DATE TO THE PLANS, WRITTEN JOB ORDER AND/OR SUPPLEMENT TO THE CONTRACT BY THE OWNER AND THE ARCHITECT. THE CONTRACTOR SHALL COMPUTE THE VALUE OF THE WORK AND SUBMIT A PROPOSAL FOR THE APPROVAL OF THE ARCHITECT AND THE OWNER. IN THE CASE OF REVISION, ADDENDUM, OR BULLETIN, THE CONTRACTOR SHALL NOT PROCEED WITH CHANGES WITHOUT AN OWNER AND ARCHITECT AUTHORIZED JOB ORDER OR SUPPLEMENT TO THE
- 47. ALL WORK MATERIALS AND CONSTRUCTION DETAILS MUST COMPLY WITH ANY AND ALL APPLICABLE FEDERAL. STATE AND LOCAL BUILDING, HEALTH AND FIRE CODES. 48. ALL CONTRACTORS SHALL COMPLY WITH THE LATEST EDITION OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) CONSTRUCTION AND SAFETY
- 49. THE OWNER SHALL PAY ALL PERMIT FEES AND PLAN REVIEW FEES APPLICABLE TO THIS PROJECT UNLESS NOTED OTHERWISE. 50. CONTRACTOR SHALL COORDINATE WITH THE OWNER AND ARCHITECT ALL REQUIRED / RECOMMENDED PHASING OF CONSTRUCTION OPERATIONS IN ORDER TO MAINTAIN USE OF ALL CRITICAL FUNCTIONS, UTILITIES, SERVICES AND OTHER RELATED ITEMS WITHIN THE EXISTING OR ADJACENT FACILITIES. GENERAL
- CONTRACTOR SHALL COORDINATE WITH THE OWNER AND ARCHITECT PRIOR TO AND OR DURING BIDDING. 51. THE GENERAL CONTRACTOR SHALL ADVISE THE ARCHITECT AND OWNER, IN WRITING, OF THE ACTUAL START OF WORK INDICATED ON THE CONTRACT DOCUMENTS AND FURNISH A GRAPHIC CONSTRUCTION SCHEDULE SHOWING MAJOR TRADES, BUILDING MILESTONES AND FINAL COMPLETION OF SAME, AS SPECIFIED WITHIN THE
- 52 COORDINATE CAREFULLY IN ADJACENT AREAS TO MAINTAIN FREE AND SAFE PASSAGE TO AND FROM WORK ZONES. 53. DO NOT CLOSE OR OBSTRUCT EXISTING WALKWAYS, PASSAGEWAYS OR RIGHTS OF WAY. DO NOT STORE OR PLACE MATERIALS IN EXISTING WALKWAYS, EWAYS, RIGHTS OF WAY OR OTHER MEANS OF EGRESS. CONDUCT OPERATIONS WITH A MINIMUM SITE TRAFFIC INTERFERE 54. CONTRACTOR SHALL FURNISH SAMPLES OF ALL FINISH MATERIALS FOR ARCHITECT'S APPROVAL PER PROJECT MANUAL REQUIREMENTS 55. CONTRACTOR TO PROPERLY LEVEL, TEST AND PREPARE FLOORS FOR INSTALLATION ON NEW FLOOR SYSTEMS AND FINISHES. REFER TO "FINISHES AND DETAILS"

/ ARCHITECT APPROVED INDICATION METHOD (STICKERS / STENCIL ETC.).

- SECTION OF THESE NOTES FOR ADDITIONAL DETAIL AND INSTRUCTION. 56. THE CONTRACTOR SHALL PROVIDE TEMPORARY DUST PROOF PARTITIONS TO PROTECT ALL ADJACENT SPACES AS REQUIRED. 57. ALL PENETRATIONS OF FIRE RATED PARTITIONS, WALLS, FLOORS, ETC. SHALL BE FIRE STOPPED WITH NONCOMBUSTIBLE MATERIAL IN ACCORDANCE WITH NFPA 101, 90B, 96 AND APPLICABLE MUNICIPAL AND BUILDING CODE(S), CONTRACTOR SHALL SINGLE SOURCE FIRE STOPPING WORK AND SHALL SUBMIT A CATALOGUE OF PROPOSED PENETRATION DESIGNS TO ARCHITECT PRIOR TO PROCEEDING WITH WORK. ALL FIRE STOP ASSEMBLIES SHALL BE IDENTIFIED, AT LOCATION, WITH OWNER
- 58. THE CONTRACTOR SHALL PERFORM A CAREFUL AND THOROUGH EXAMINATION OF THE CONTRACT DOCUMENTS TO BE SOLELY RESPONSIBLE FOR ENSURING THAT ALL WORK, ACTUAL OR IMPLIED BY THE DOCUMENTS, IS INCLUDED IN HIS/HER BID. ALL REFERENCES TO ELECTRICAL, MECHANICAL, PLUMBING OR STRUCTURAL WORK APPEARING ON ARCHITECTURAL DRAWINGS OR IN TEH PROJECT MANUAL MUST BE RELAYED TO THE RESPECTIVE TRADES BY THE CONTRACTOR TO ENSURE THAT ALL ASPECTS OF WORK ARE COVERED IN THE SCOPE OF THE BID. 59. AT THE COMPLETION OF WORK, THE GENERAL CONTRACTOR SHALL ISSUE SPECIFICATION COMPLIANT, MARKED-UP, FULL SIZE, REPRODUCIBLE DRAWINGS TO THE
- ARCHITECT. ENGINEER AND OWNER SHOWING "AS-BUILT" CONDITIONS. ADDITIONAL REQUIREMENTS ARE. BUT NOT LIMITED TO. COPIES OF ALL APPLICABLE WARRANTIES, OPERATIONS MANUALS, MAINTENANCE INSTRUCTIONS AND TRAINING SCHEDULES. CONTRACTOR TO REFER TO PROJECT MANUAL FOR DETAILED

DIMENSIONING:

- . ALL INTERIOR PARTITION DIMENSIONS ARE TO THE FINISH FACE OF GYPSUM BOARD UNLESS NOTED OTHERWISE. 2. ALL WALLS ARE ORTHOGONAL TO THE PROPERTY LINES UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL BE KNOWLEDGEABLE OF WHICH PROPERTY LINE DETERMINES THE ORIENTATION OF EACH WALL AND SHALL NOTIFY THE ARCHITECT OF ANY CONDITIONS REQUIRING CLARIFICATION BEFORE PROCEEDING WITH THE
- 3. ALL DIMENSIONS AS INDICATED SHALL SUPERSEDE SCALE, DO NOT SCALE THE DRAWINGS. 4. ALL DIMENSIONS ARE SHOWN ON DRAWINGS. ANY DIMENSIONS NOT SHOWN OR DEEMED QUESTIONABLE ARE TO BE VERIFIED WITH THE ARCHITECT.
- 5. ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD BEFORE PROCEEDING WITH THE WORK. THE ARCHITECT SHALL BE NOTIFIED IN ADVANCE OF ANY CONFLICTS OR FIELD CORRECTIONS PRIOR TO PROCEEDING WITH THE WORK. 6. DOOR OPENINGS THAT ARE NOT DIMENSIONALLY LOCATED ARE TO BE CENTERED BETWEEN WALLS OR POSITIONED WITH OUTSIDE EDGE OF HINGE JAMB 4" FROM ADJACENT WALL OR COLUMN AS SHOWN ON THE PLANS AND/OR DETERMINED FROM THE DETAILS. DOOR PLACEMENT SHALL NOT CONFLICT WITH MANEUVERING

CLEARANCES AT DOOR OPENINGS PER ACCESSIBILITY GUIDELINES INDICATED IN THE CONSTRUCTION DRAWINGS.

WHEN UNDIMENSIONED PARTITIONS APPEAR IN CONJUNCTION WITH DOOR OPENINGS, THE DOOR WIDTH AND DOOR FRAME DETAILS DETERMINE THE LOCATION OF THE ADJACENT WALLS AND FRAMES. 8. PARTITION THICKNESS AND CONSTRUCTION ARE DESIGNATED BY PARTITION TYPES. REFER TO PARTITION TYPES AND DETAILS INDICATED IN THE CONSTRUCTION DOCUMENTS FOR REQUIREMENTS.

PARTITIONS:

PROTECTION WORK

- 1. DEFLECTION FOR ALL PARTITIONS SHALL NOT EXCEED 1/240TH OF THE SPAN MAX. FOR TYPICAL GYPSUM PARTITIONS, OR 1/360TH FOR WOOD-CLAD PARTITIONS, OR
- 2 CEMENT BOARD (FOR THE FULL HEIGHT OF THE PARTITION CONSTRUCTION) SHALL BE USED IN ALL SHOWER SURROLINDS AND WET WALL LOCATIONS LISE MOISTURE RESISTANT, FIBERGLASS MAT, PAINTABLE GYPSUM BOARD WITH TREATED CORES (FOR THE FULL HEIGHT OF THE PARTITION CONSTRUCTION) AT ALL DAMP LOCATIONS. AT BOTH WET AND DAMP LOCATIONS, USE MOISTURE RESISTANT DRYWALL FOR CEILING CONSTRUCTION UNLESS NOTED OTHERWISE. PROVIDE
- LATERAL BRACING TO STRUCTURE ABOVE FINISHED CEILINGS FOR PARTITIONS EXCEEDING UNSUPPORTED HEIGHTS INDICATED ON DRAWINGS. PROVIDE HORIZONTAL CONTROL JOINTS AT 12-0" O.C. IN THE VERTICAL DIRECTION UNLESS NOTED OTHERWISE, PROVIDE CONTROL JOINTS IN GYPSUM WALLBOARD CONSTRUCTION SUCH THAT PARTITION. OR FURRING RUNS. DO NOT EXCEED 30'-0". AND CEILING DIMENSIONS DO NOT EXCEED 50'-0" IN EITHER DIRECTION WITH PERIMETER RELIEF OR 30'-0" WITHOUT PERIMETER RELIEF. EXACT LOCATION OF CONTROL JOINTS TO BE VERIFIED WITH ARCHITECT, VERIFICATION TO BE
- DOCUMENTED BY THE GENERAL CONTRACTOR AND SUBMITTED TO THE ARCHITECT FOR APPROVAL PRIOR TO BEGINNING WORK. 4 PROVIDE VERTICAL CONTROL JOINTS WITH RATING CONFORMING SEALANT IN MASONRY WALLS WITH A MAXIMUM SPACING OF 25'-0" BETWEEN JOINT CENTERLINES
- EXACT LOCATION OF CONTROL JOINTS TO BE VERIFIED WITH ARCHITECT. VERIFICATION TO BE DOCUMENTED BY THE GENERAL CONTRACTOR AND SUBMITTED TO THE ARCHITECT FOR APPROVAL PRIOR TO BEGINNING WORK. 5. ACOUSTICAL SEALANT: WHERE REQUIRED PER SOUND TRANSMISSION COEFFICIENT (STC) RATING REQUIREMENTS, COMPLETELY SEAL ALL HEADS, BASES AND ENDS
- 6. ALL PENETRATIONS IN RATED WALLS, INCLUDING BUT NOT LIMITED TO, MECHANICAL, ELECTRICAL AND PLUMBING WORK, ARE TO BE FIRESTOPPED WITH A AUTHORITY HAVING JURISDICTION APPROVED, UL RATED FIRESTOP ASSEMBLY. CONTRACTOR TO PROVIDE A CATALOGED MATRIX INDICATING PENETRATION TYPES, UL ASSEMBLIES USED PER LOCATION AND CUTSHEETS OF ALL UL RATED PENETRATION ASSEMBLIES USED INDICATING APPROVALS. RATING ATTAINED AND A SECTIONAL DETAIL INDICATING ALL MATERIALS REQUIRED TO ATTAIN CERTIFICATION. ALL FIRE STOP ASSEMBLIES SHALL BE IDENTIFIED, AT LOCATION, WITH OWNER ARCHITECT APPROVED INDICATION METHOD (STICKERS / STENCIL ETC.).

OF ALL WALLS BETWEEN UNITS OR BETWEEN UNITS AND CORRIDORS INCLUDING AT PENETRATION LOCATIONS AT MECHANICAL, ELECTRICAL, PLUMBING AND FIRE

FINISHES AND DETAILS:

- 1. ALL INTERIOR WALL AND CEILING FINISH MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE FEDERAL. STATE AND LOCAL BUILDING CODES AND SHALL NOT BE LESS RESISTANT TO FLAME SPREAD THAN CLASS 1 FLAME SPREAD RATING 0 TO 25 SMOKE DEVELOPED 200 OR BETTER.
- 2. ALL INTERIORS FLOOR COVERINGS SHALL COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE CODES AND ORDINANCES (FLOOR COVERINGS), CLASS B, INTERIOR FLOOR FINISH CRITICAL RADIANT FLUX BETWEEN 1.22 AND 0.44 WATTS/SQUARE CENTIMETER. 3. NO INTERIOR FINISH MATERIAL COVERING MORE THAN 20 SF OF WALL AND CEILING AREA SHALL BE USED IF IT DEVELOPS SMOKE IN GREATER DENSITY THAN THE
- RATING SHOWN IN APPLICABLE MUNICIPAL AND BUILDING CODES AND ORDINANCES AND NFPA 101.

 4. ATTACHMENTS AND ADHESIVES FOR INTERIOR FINISH SHALL HAVE THE SAME FLAME SPREAD AND SMOKE DEVELOPED RATING OF THE INTERIOR FINISHES. 5. NO MATERIAL SHALL BE USED IN ANY INTERIOR LOCATION WHICH WILL PRODUCE PRODUCTS MORE TOXIC THAN THOSE GIVEN OFF BY WOOD OR PAPER WHEN
- DECOMPOSING OR BURNING. 6. CARPET, WHEN USED AS A FLOOR COVERING, SHALL HAVE FLAMMABILITY REQUIREMENTS IN ACCORDANCE WITH APPLICABLE MUNICIPAL AND BUILDING CODE(S) AND NFPA 101. IF USED AS AN INTERIOR FINISH, IT SHALL COMPLY WITH ALL PROVISIONS REGARDING INTERIOR FINISH OF ALL APPLICABLE CODES AND ORDINANCES AND NFPA 101; THE IGNITION PILL TEST FF1-70 SPECIFIED BY THE U.S. DEPARTMENT OF COMMERCE AND THE RADIANT PANEL TEST PER ASTM E-648 CLASS 1

CODE COMPLIANCE STANDARDS:

GOVERNING AGENCIES

1. ALL WORK PERFORMED ON THE PROJECT DESCRIBED HEREIN SHALL BE IN COMPLIANCE WITH ALL LOCAL APPLICABLE LAWS, CODES AND ORDINANCES.

NOTICE OF WORK TO ADJACENT PROPERTY OWNERSHIP

1. IN CONFORMANCE WITH THE APPLICABLE MUNICIPAL AND BUILDING CODES GOVERNING THE PROJECT, THE OWNER SHALL NOTIFY THE OWNERS OF ADJACENT PROPERTIES AND THE ALDERMAN OF WARD WHERE WORK IS TO LOCATED AT LEAST 10 DAYS PRIOR TO COMMENCEMENT OF DEMOLITION WORK ON PROPERTY. THIS

NOTICE MUST INCLUDE ANTICIPATED START AND COMPLETION DATE OF THE WORK. THE CONTRACTOR SHALL POST SIGNS AT THE SITE WITH CONTACT INFORMATION OF THE PERSON PERFORMING THE WORK.

START OF CONSTRUCTION

1. IN CONFORMANCE WITH APPLICABLE SECTIONS OF THE LOCAL BUILDING CODE, THE CONTRACTOR SHALL SECURE ALL REQUIRED PERMITS TO ACHIEVE THE

NECESSARY APPROVALS TO BEGIN THE CONSTRUCTION OF THE PROJECT AS DEFINED IN THE CONTRACT DOCUMENTS. CONSTRUCTION CANNOT COMMENCE UNTIL THE DRAWINGS ARE ALSO APPROVED BY THE NATIONAL INSTITUTES OF HEALTH (NIH). THE OWNER SHALL ACQUIRE A LETTER INDICATING ALL PLAN REVIEWS ARE COMPLETE AND SHALL REQUEST THE SUBMISSION OF THE "NOTIFICATION OF CONSTRUCTION START DATE."

CONTRACTOR LICENSING, BONDING, AND INSURANCE

1. IN CONFORMANCE WITH THE APPLICABLE MUNICIPAL AND BUILDING CODES, THE GENERAL CONTRACTOR MUST BE ACTIVELY LICENSED IN THE CITY AND STATE WHERE THE WORK IS BEING PERFORMED TO BEALLOWED TO BID ON AND PERFORM THE DUTIES DESCRIBED IN THE CONSTRUCTION DOCUMENTS AND THE PROJECT MANUAL THE CONTRACTOR SHALL MAINTAIN PROOF OF INSURANCE PER MUNICIPAL / BUILDING CODE REQUIREMENTS OR AS STIPULATED IN THE OWNER-CONTRACTOR

2. ALL CONTRACTORS TO PROVIDE ALL NECESSARY INSURANCE AND HOLD HARMLESS THE OWNER, PROPERTY MANAGER, ARCHITECT AND AGENTS THEREOF FROM ANY DAMAGES RESULTING FROM CONTRACTORS EXECUTION OF WORK. CONSTRUCTION SITE CLEANLINESS

1. IN CONFORMANCE WITH THE MUNICIPAL AND BUILDING CODES GOVERNING THE PROJECT SITE, THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN ALL NECESSAR

PROCEDURES TO ENSURE THAT DIRT AND DEBRIS FROM THE CONSTRUCTION SITE SHALL NOT BE TRANSMITTED BY INDIVIDUALS OR BY VEHICLES LEAVING THE SITE IN A CAPACITY DETRIMENTAL TO THE CLEANLINESS OF THE PUBLIC WAY. WHERE LEED REQUIREMENTS PERTAIN TO PROJECT, CONTRACTOR SHALL COORDINATE ANY AND

- ALL CONSTRUCTION ACTIVITY POLLUTION PREVENTION ACTIVITIES IN CONJUNCTION WITH SUSTAINABLE INITIATIVES ASSIGNED TO THE PROJECT SAFEGUARDS DURING CONSTRUCTION

 1. CONSTRUCTION SAFEGUARDS SHALL BE IN CONFORMANCE WITH THE MUNICIPAL AND BUILDING CODES GOVERNING THE PROJECT SITE. CONTRACTOR SHALL COORDINATE THE REQUIREMENTS TO ENSURE THE SAFETY OF THE INDIVIDUALS THROUGHOUT THE CONSTRUCTION OF THE SITE THROUGH COMPLETION AND OCCUPANCY OF PROJECT. ADDITIONAL REQUIREMENTS TO MAINTAIN INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING; REQUIREMENTS FOR PROTECTION OF FLOOR
- OPENINGS AND HOISTWAYS AND REQUIREMENTS FOR THE PROTECTION GUARDS TO BE PROVIDED AT ALL LOCATIONS POSING A HAZARD TO HUMAN SAFETY ON THE JOBSITE. THE CONTRACTOR SHALL CONFORM TO THE GUIDELINES FOR CONSTRUCTION. WORKMANSHIP AND SAFETY OF ALL PERSONS HAVING ACCESS TO THE JOBSITE IN CONFORMANCE WITH ALL OCCUPATIONAL SAFETY AND HELATH ADMINISTRATION (OSHA) GUIDELINES
- PROTECTION OF ALL EXISTING BUILDINGS MUST BE PROVIDED DURING THE CONSTRUCTION OF THE NEW BUILDING IN CONFORMANCE WITH MUNICIPAL AND BUILDING CODES GOVERNING THE PROJECT SITE AND BUILDING SOILS AND FOUNDATION

 1. CONTRACTOR SHALL PROVIDE ALL MATERIAL AND WORKMANSHIP REQUIRED TO INSTALL THE STRUCTURAL INFRASTRUCTURE IN RESPONSE TO THE DESIGN INTENT AS DUTLINED IN THE CONTRACT DOCUMENTS. ALL MATERIAL, FRAMING AND INSTALLATIONS SHALL BE IN CONFORMANCE WITH INDUSTRY STANDARDS, MEANS AND
- CODES GOVERNING THE PROJECT AND AS OUTLINED IN THE PROJECT SPECIFICATIONS AND CONTRACTS. SITE WORK, ROADWAYS, PARKING AND LANDSCAPING

 1. CONTRACTOR SHALL PROVIDE AND INSTALL ALL MATERIALS OUTLINED IN THE CONTRACT DOCUMENTS AS DEFINED IN THE PROJECT SPECIFICATIONS TO SATISFY THE REQUIREMENTS OF THE DESIGN INTENT. ALL ROADWAYS AND LANDSCAPING AFFECTING THE PUBLIC WAY SHALL BE INSTALLED IN CONFORMANCE WITH ALL APPLICABLE

METHODS SHALL BE PERFORMED BY SKILLED LABOR UNDER THE DIRECTION OF THE LICENSED CONTRACTOR AND IN COMPLIANCE WITH THE MUNICIPAL AND BUILDING

- CITY AND STATE LANDSCAPE AND ZONING ORDINANCES IN EFFECT AT THE TIME OF THE CONTRACT AND AS OUTLINED IN THE CONTRACT DOCUMENTS. THE APPLICABLE MUNICIPAL AND BUILDING CODES AND THE APPLICABLE DEPARTMENT OF TRANSPORTATION STANDARDS. INTRACTOR SHALL PROVIDE ALL MATERIAL AND WORKMANSHIP REQUIRED TO INSTALL ALL STRUCTURAL STEEL AND CONCRETE MATERIAL, FRAMING AND SUPPORTS
- AS SHOWN IN THE CONTRACT DOCUMENTS. CONTRACTOR SHALL COORDINATE THE SEQUENCE AND PROCEDURES TO ENSURE INCIDENT-FREE INSTALLATION OF ALL **MISCELLANEOUS METALS**
- E CONTRACTOR SHALL SECURE ALL PERMITS IN CONFORMANCE WITH THE REQUIREMENTS OUTLINED IN THE GOVERNING MUNICIPAL AND BUILDING CODES. ALL MISCELLANEOUS METALS NECESSARY TO PROVIDE STRUCTURAL SUPPORT AND STABILITY TO ALL MATERIAL AND PERSONNEL, HOISTING TOWERS, SCAFFOLDS, CRANES, TEMPORARY SIDEWALK CANOPIES, FRAMED MASONRY WALL ASSEMBLIES AND OPENINGS, INTERIOR GLAZING, CABINETRY, MILLWORK, BATHROOM FIXTURES AND PRIVACY CUBICLES / PARTITIONS, GRATINGS AND WALKWAYS, LOUVERS AND VENTS, LINTELS AND SHIMS, MECHANICAL EQUIPMENT SUPPORT, RAILINGS, STEEL POSTS, TUBES, FIXTURES, FURNITURE AND EQUIPMENT, OR AS REQUIRED THROUGHOUT THE PROJECT AS DEFINED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL SCHEDULE THE COMPLETION OF ALL INSPECTIONS IN A TIMELY MANNER.
- ATER MANAGEMENT IN CONFORMANCE WITH THE GUIDELINES OUTLINED IN THE GOVERNING MUNICIPAL AND BUILDING CODES AND LEED INITIATIVES / STANDARDS FOR THE PROJECT. STORMWATER DETENTION SHALL BE IN COMPLIANCE WITH ALL GOVERNING MUNICIPAL AND BUILDING CODES AND AS SPECIFIED IN THE

- NERGY CONSERVATION CODES

 IN CONFORMANCE WITH THE MUNICIPAL AND BUILDING CODES GOVERNING THE PROJECT, ALL MATERIALS SELECTED FOR USE IN THE PROJECT SHALL BE IN CONFORMANCE WITH THE GUIDELINE STANDARDS PERTAINING TO URBAN HEAT ISLAND EFFECT AND SELECTED TO LIMIT THE AMOUNT OF SOLAR HEAT ENERGY ABSORBED BY BUILDING ROOFS AND TRANSMITTED TO THE ATMOSPHERE. E LEED REQUIREMENTS AND INITIATIVES SET FORTH FOR THE PROJECT. ENERGY CONSERVATION PRINCIPALS ASCRIBED IN THE MUNICIPAL AND BUILDING CODE SHALL APPLY FOR CONFORMITY OF ENERGY CONSERVATION GUIDELINES AND REPRESENT PERFORMANCE MINIMUMS. WHERE APPLICABLE THESE SAME PERFORMANCE MINIMUMS MUST ALSO ALIGN WITH THE LEED REQUIREMENTS AND INITIATIVES
- ENERGY EFFICIENCY AND ENVIRONMENTAL PROTECTION

 1. CONTRACTOR AND PROJECT SHALL COMPLY WITH THE ENERGY EFFICIENCY AND ENVIRONMENTAL PROTECTION GUIDELINES OUTLINED IN THE APPLICABLE SECTIONS OF THE GOVERNING MUNICIPAL AND BUILDING CODES / ORDINANCES AS WELL AS THE LEED INITIATIVES, WHERE APPLICABLE, SET FORTH FOR THIS PROJECT.

LIFE SAFETY CODE

1. CONTRACTOR SHALL ADHERE TO THE GUIDELINES DEFINED IN THE GOVERNING MUNICIPAL AND BUILDING CODES INCLUDING NFPA 101 FOR ALL LIFE SAFETY GUIDELINES AFFECTING THE PROJECT AND AS INDICATED IN THE CONTRACT DOCUMENTS.

MECHANICAL, VENTILATION, AIR CONDITIONING AND REFRIGERATION

1. SEE MECHANICAL DOCUMENTS AND ALL ASSOCIATED REFERENCED DOCUMENTS AS REQUIRED.

<u>PLUMBING CODE</u>

1. SEE PLUMBING DOCUMENTS AND ALL ASSOCIATED REFERENCED DOCUMENTS AS REQUIRED.

CODE COMPLIANCE STANDARDS (CONT'D):

FIRE PROTECTION EQUIPMENT

1. SEE OCCUPANCY AND EXITING PLANS FOR LIFE SAFETY DESIGNATIONS.

- 2. FIRE SAFETY COMPARTMENTALIZATION, FIRE EXTINGUISHER EQUIPMENT, FIRE COMMAND / ANNUNCIATOR PANEL(S), COMBUSTION DETECTORS, SOUNDING DEVICES, HEAT DETECTION SYSTEMS AND SPRINKLERS SHALL ADHERE STRICTLY TO THE MUNICIPAL AND BUILDING CODES GOVERNING THE PROJECT.
- HEAT DETECTORS SHALL BE PROVIDED PER THE ELECTRICAL DOCUMENTS AND AT ALL STOREROOMS. BOILER ROOMS AND FURNACE ROOMS. 4. ALL STAIRWELLS SHALL BE IN COMPLIANCE WITH THE MUNICIPAL, BUILDING AND ACCESSIBILITY CODES GOVERNING THE PROJECT AS IT PERTAINS TO SIGNAGE AND AREA(S) OF RESCUE ASSISTANCE.

IN CONFORMANCE WITH THE GUIDELINES STIPULATED IN THE GOVERNING MUNICIPAL AND BUILDING CODES / ORDINACNES, THE CONTRACTOR SHALL SUBMIT THE PROJECT FOR REVIEW AND INSPECTION, IN THE MANNER REQUIRED BY THE AUTHORITY HAVING JURISDICTION FOR THEIR APPROVAL OF APPLICABLE BUILDING ELEMENTS AND STAGES. INSPECTIONS SHALL BE PROVIDEF FO ALL REQUIRED STAGES OF THE PROJECT WHICH INCLUDE, BUT NOT LIMITED TO, THE FOLLOWING

A. ALL BOILER EQUIPMENT B. MECHANICAL VENTILATION EQUIPMENT C. ELEVATOR AND ELEVATOR MACHINERY

BUILDING COMPONENTS:

- E. STRUCTURAL STEEL AND MISCELLANEOUS IRON / METAL WORK F. ELECTRICAL
- G. PLUMBING AND VENTILATION EQUIPMENT H. REFRIGERATION EQUIPMENT FRAMING AND GENERAL CARPENTRY
- J. FIRE PROTECTION

ALL CONSTRUCTION FLEMENTS SHALL MEET THE MINIMUM FIRE RESISTANCE RATINGS AS OUTLINED IN THE CONTRACT DOCUMENTS, ALL ASSEMBLIES AND CONSTRUCTION ELEMENTS, PRIOR TO REQUEST FOR CERTIFICATE OF SUBSTANTIAL COMPLETION, SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS OUTLINED IN THE GOVERNING MUNICIPAL AND BUILDING CODES / ORDINACES

ELECTRICAL EQUIPMENT

1. SEE ELECTRICAL DOCUMENT AND ALL ASSOCIATED REFERENCED DOCUMENTS AS REQUIRED.

ELEVATORS AND LEVELING DEVICES

1. REFER TO THE ELEVATOR DRAWINGS AND THE STRUCTURAL DOCUMENTS FOR SCOPE OF WORK ASSOCIATED WITH THE INSTALLATION OF THE ELEVATOR HOISTWAY(S), PIT(S), MACHINE ROOM(S), MACHINE ROOM EQUIPMENT, STRUCTURAL FRAMING AND SUPPORT MEMBERS. REFER TO THE ARCHITECTURAL AND ENGINEERING DRAWINGS AND PROJECT MANUAL FOR ALL ADDITIONAL ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION REQUIREMENTS. ALL ELEVATOR CABS SHALL BE ADA COMPLIANT IN CONFORMANCE WITH THE LATEST MUNICIPAL. BUILDING AND ACCESSIBILITY CODES SOVERNING THE PROJECT. PROVIDE EMERGENCY SHUT OFF SWITCHES AS REQUIRED. FIRE ALARM INITIATING DEVICES SHALL BE INSTALLED AT EACH ELEVATOR LOBBY AT EACH FLOOR, ASSOCIATED FLEVATOR MACHINE ROOM AND WHERE REQUIRED IN EACH ASSOCIATED FLEVATOR HOISTWAY(S) IN COMPLIANCE WITH THE REQUIREMENTS OF ANSI / NFPA AND ALL GOVERNING MUNICIPAL AND BUILDING CODES / ORDINANCES. CONTRACTOR SHALL PROVIDE ALL COMPLIANT SIGNAGE AND SIGNALING DEVICES AT ACCESSIBLE HEIGHTS AND WITHIN REACH RANGES TYPICAL. ALL HALL PUSH BUTTON STATIONS TO RECEIVE A STAINLESS STEEL COMBINED, ENGRAVED AND COLORED APPENDIX "O" FACE PLATE OF STAINLESS STEEL. ADHESIVE APPLIED AND OR PRINTED ACRYLIC INFORMATION SIGNS ARE NOT ALLOWED / ACCEPTABLE ANT ELEVATOR HALL PUSH BUTTON STATIONS

MEANS OF EGRESS

1. ALL STAIRS AND AREAS OF RESCUE ASSISTANCE / REFUGE SHALL CONFORM TO THE STANDARDS OUTLINED BY THE MUNICIPAL AND BUILDINGS CODES GOVERNING THE PROJECT AS THEY PERTAIN TO FIRE RESISTANT ASSEMBLIES AND MATERIALS, ACCESSIBILITY, LIGHT AND VENTILATION. CONTRACTOR SHALL PROVIDE FIRE RATED COMPARTMENTALIZATION AND ZONE SEPARATIONS AS REQUIRED BY CODE AND AS INDICATED IN THE CONTRACT DOCUMENTS. OPENINGS IN ALL WALL ASSEMBLIES SHALL ALSO BE PROTECTED IN CONFORMANCE WITH ALL APPLICABLE MUNICIPAL AND BUILDING CODES

SIGNAGE

PROVIDE AND INSTALL ALL LEED AND ACCESSIBLE SIGNAGE IN COMPLIANCE WITH THE GOVENRING MUNICIPAL, BUILDING AND ACCESSIBILITY CODES / ORDINANCES FOR TACTILE SIGNAGE, VISUAL SIGNAGE AND PICTOGRAMS, CONTRACTOR SHALL PROVIDE AND INSTALL ALL CODE AND LEED REQUIRED SIGNAGE NCLUDED IN, AND REQUIRED BY, THE PROJECT. ALL SIGNAGE TO BE SUBMITTED TO AND ACCEPTED / APPROVED, IN WRITING, BY OWNER AND ARCHITECT PRIOR

ACCESSIBILITY TO ALL PUBLIC SPACES SHALL RE COMPLIANT WITH ALL MUNICIPAL RUIII DING AND ACCESSIBILITY CODES GUIDELINES AND DIAGRAMS GOVERNING THE PROJECT. APPLICABLE CODES INCLUDE, BUT SHALL NOT BE LIMITED TO, STATE MANDATED ACCESSIBILITY CODE, ICC/ANSI A117.1-2003 OR CURRENT APPLICABLE PUBLICATION AND AMERICANS WITH DISABILITIES ACT. WHERE CODE REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION OVER THE AREA OF WORK DIFFER. THE MOST RESTRICTIVE OF THE REQUIREMENTS SHALL GOVERN.

WALL REINFORCEMENT
1. CONTRACTOR SHALL PROVIDE WALL REINFORCEMENT AS REQUIRED IN AN ASSEMBLY AND MATERIAL STRENGTH CAPABLE OF SUPPORTING ALL EQUIPMENT, FIXTURES, CABINETRY / MILLWORK / CASEWORK OR FURNISHINGS INDICATED ON THE DRAWINGS. PROVIDE WALL REINFORCEMENT ALL WALL AND CEILING MOUNTED FIXTURES, FURNITURE AND EQUIPMENT INCLUDING MACHINERY AS PER MANUFACTURER'S RECOMMENDATIONS AND AS OUTLINED IN CONTRACT DOCUMENTS: FOR ALL LEED PROJECTS, ALL WOOD BLOCKING SHALL CONFORM TO FOREST STEWARDSHIP COUNCIL (FSC) CERTIFICATION REQUIREMENTS INCLUDING MANIFESTATION AND CHAIN OF CUSTODY DOCUMENTATION REQUIREMENTS

SEE PROJECT MANUAL AND REQUIREMENTS OF THE APPLICABLE VERSION OF THE UNITED STATES GREEN BUILDING COUNCIL'S (USGBC) CERTIFICATION DOCUMENTATION UNDER WHICH THE PROJECT HAS BEEN REGISTERED

EQUIPMENT

1. SEE FIXTURE, FURNITURE AND EQUIPMENT PLANS, SCHEDULE AND PROJECT MANUAL AS REQUIRED.

EQUIPMENT USE PERMITS, INSPECTIONS AND TESTS

1. CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FOR USE OF THE FOLLOWING EQUIPMENT:

- A. AIR CONDITIONING AND VENTILATION SYSTEMS B. ELEVATOR(S)
- C. FUEL BURNING AND FUEL STORING WHERE APPLICABLE
- E. PLUMBING AND PIPING
- F STANDPIPE SYSTEMS G. SPRINKLER AND FIRE PROTECTION SYSTEMS / ASSEMBLIES
- . NOTE: ADDITIONAL PERMITS, INSPECTIONS AND TESTS MAY BE REQUIRED. THE CONTRACTOR SHALL CARRY FULL RESPONSIBILITY TO ACQUIRE ALL PER PROJECT

PROVIDE SOUND ATTENUATION IN CONFORMANCE WITH THE GUIDELINES OUTLINED IN THE MUNICIPAL AND BUILDING ORDINANCES / CODES GOVERNING THE PROJECT FOR GENERATED NOISE REDUCTION. 2 PROVIDE ACQUISTICAL LINER(S) AT ALL DISCHARGE AIR DUCTWORK AND PLENLING TO COMPLY WITH

- MUNICIPAL AND BUILDING ORDINANCES / CODES GOVERNING THE PROJECT FOR GENERATED NOISE REDUCTION. PROVIDE NOISE ISOLATION CLASSIFICATIONS IN CONFORMANCE WITH THE MUNICIPAL AND BUILDING ORDINANCES / CODES GOVERNING THE PROJECT FOR
- GENERATED NOISE REDUCTION . PARTITION SOUND TRANSMISSION SHALL CONFORM TO APPLICABLE ASTM ARTICLE AND THIE ISOLATION LIMITS IDENTIFIED IN THE CURRENT VERSION OF THE THE AMERICAN INSTITUTE OF ARCHITECTS GUIDELINES FOR DESIGN AND CONSTRUCTION OF HEALTHCARE FACILITIES 2006 SOUND TRANSMISSION LIMITATIONS IN GENERAL HOSPITALS TABLE.
- ONTROLLED INSPECTION SHALL BE PROVIDED FOR, BUT NOT LIMITED TO, THE FOLLOWING WHERE APPLICABLE:
- 2 CONCRETE TEST CYLINDERS FIRE STOPPING / FIRE PROTECTION 4. MECHANICAL VENTILATION
- BOILERS 7. ELECTRICAL SERVICE

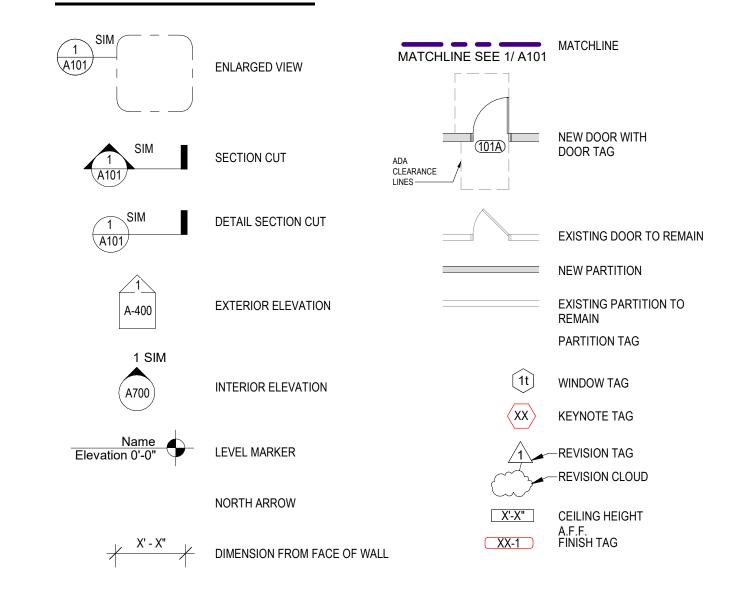
PROVIDE FOOTCANDLE LEVELS IN CONFORMANCE WITH THE MUNICIPAL CODES AND ORDINANCES GOVERNING THE PROJECT AND IN COMPLIANCE WITH THE CURRENT MODEL / PUBLICATION OF THE AMERICAN INSTITUTE OF ARCHITECTS GUIDELINES FOR DESIGN AND CONSTRUCTION OF HEALTHCARE FACILITIES WHICH DIRECTLY REFERENCES LIGHTING LEVEL ACCOMMODATIONS DEVELOPED BY THE ILLUMINATING ENGINEERING SOCIETY (IES) OF NORTH AMERICA. IES DOCUMENT TO REFER: (IES) RP-29-LIGHTING FOR HOSPITALS AND HEALTHCARE FACILITIES. REFER TO ELECTRICAL CONTRACT DOCUMENTS FOR ILLUMINATION CALCULATION PLANS

CONTRACT SPECIFIC NOTES

ANY SERVICES IN EXCESS OF THOSE LISTED BELOW WILL BE PROVIDED AS ADDITIONAL SERVICES. IF THE LIMITS OF THESE SERVICES ARE EXCEEDED DUE TO THE ACTIONS, INACTIONS, NEGLIGENCE, DELAY, NON-CONFORMANCE, UNDER-PERFORMANCE, OR OTHER SUCH FAULT OF THE CONTRACTOR, THEN ARCHITECT SHALL PASS ADDITIONAL SERVICES COSTS THROUGH TO THE CONTRACTOR.

- . TWO REVIEWS OF EACH SHOP DRAWING, PRODUCT DATA ITEM, SAMPLE AND SIMILAR SUBMITTAL OF THE CONTRACTOR. . ONE VISIT PER WEEK TO THE SITE BY THE ARCHITECT OVER THE DURATION OF THE PROJECT DURING CONSTRUCTION. 3. ONE INSPECTION FOR ANY PORTION OF THE WORK TO DETERMINE WHETHER SUCH PORTION OF THE WORK IS SUBSTANTIALLY COMPLETE IN ACCORDANCE WITH THE
- 4. ONE INSPECTION FOR ANY PORTION OF THE WORK TO DETERMINE FINAL COMPLETION.

SYMBOLS LEGEND:



ABBREVIATIONS

C.C. CLS' CLG CON COR C.M. CON CON C.J. C.G.	T.S. T. IC. RR. U. IDEN. IT. C. C.	ACOUSTICAL CEILING TILE ADJUSTABLE ABOVE FINISHED FLOOR ALUMINUM AT BY OWNER BOTTOM OF TUBE STEEL CRASH CART CLOSET CEILING CONCRETE CORRIDOR CONCRETE MASONRY UNIT CONDENSING UNIT CONTINUOUS CONTROL JOINT CORNER GUARD COUNTERTOP DISPENSER ELECTRIC WATER COOLER ELEVATION ELECTRICAL EQUAL EQUIVALENT EXPANSION JOINT FINISH	F.O.S. F.O.W. F.R. G.B. GL. G.M.M.U. GYP. BD. HT. H.C. HM INSUL. INS. / PRO. J.C. MAX. MECH. MIN. MTD. M.T. MTL. MULL. N.I.C. N.T.S. O.C.	FIRE EXTINGUISHER CABINET FACE OF SHEATHING FACE OF WALL FIRE RETARDANT GRAB BAR GLASS GLASS MESH MORTAR UNITS GYPSUM BOARD HEIGHT HANDICAP HOLLOW METAL INSULATION INSTALLATION / PROCUREMENT JANITOR CLOSET MAXIMUM MECHANICAL MINIMUM MOUNTED MARBLE THRESHOLD METAL MULLION NOT IN CONTRACT NOT TO SCALE ON CENTER OWNER FURNISHED / CONTRACTOR INSTALLED	PL. LAM. PLYWD. PTD REF. REQ'D REV. R.T.U. RM. S.D. SF SIM. STDS. STL. SUSP.	PARTITION PLASTIC LAMINATE PLYWOOD PAINTED REFRIGERATOR REQUIRED REVERSED ROOF TOP UNIT ROOM SOAP DISPENSER STOREFRONT SIMILAR STANDARDS STEEL SUSPENDED TEMPERED GLASS TOP OF TOP OF TUBE STEEL TOILET PAPER DISPENSER TREATED WOOD UNDER COUNTER REFRIGERATOR TYPICAL UNDERWRITER'S LABORATORIES UNLESS NOTED OTHERWISE WITH WOOD
FIN. F.E.		FINISH FIRE EXTINGUISHER	OF/OI	CONTRACTOR INSTALLED OWNER FURNISHED /	WD	WOOD

DESIGN ARCHITECT:

3215 WEST DIVISION ST

MUNICIPALITY APPROVAL STAMP

:hitecture · interior design · management

CHICAGO, IL 60651 312.573.2490 | www.dk-arch.com

IN ASSOCIATION WITH THE ARCHITECT: RH SWEERS II, PROPRIETOR RH SWEERS ARCHITECT

rhs@sweersaarch.com

THIS DRAWING HAS BEEN PREPARED UNDER MY SUPERVISION, AND I DISCLAIM RESPONSIBILITY FOR EXISTING BUILDING, CONSTRUCTION OR SITE CONDITIONS / IMPROVEMENTS. OR ANY DOCUMENTS WHICH DO NOT BEAR MY SIGNATURE AND SEAL. DO NOT CONTACT THE ARCHITECT FOR BIDDING INFORMATION OR QUESTIONS, AS THE ARCHITECT IS NOT INVOLVED IN BIDDING.

MEP ENGINEER

ASFANDYAR KHAN 331.481.1616 | aykhan90@gmail.com

CLIENT: JOJO'S SHAKE BAR

CHICAGO, IL 60654 PROJECT NAME:

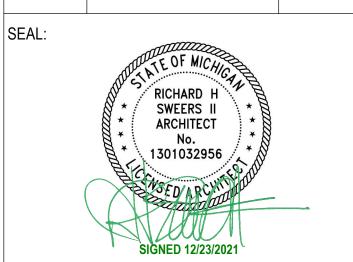
23 W HUBBARD ST

JOJO'S SHAKE BAR

LOCATION:

88 W COLUMBIA ST

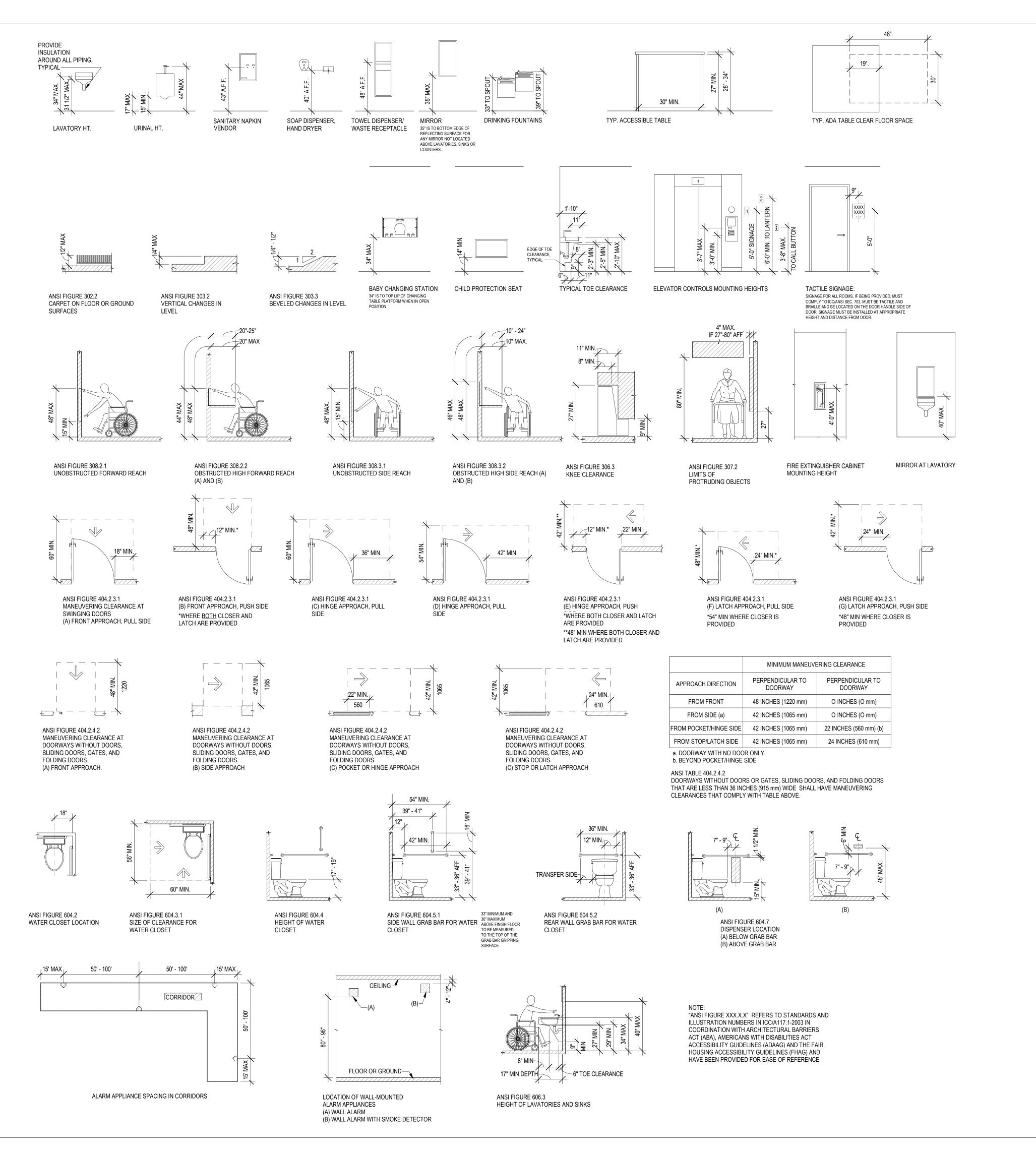
DETROIT, MI 48201 ISSUE# **ISSUED FOR:** DATE MEP BACKGROUNDS LANDLORD REVIEW 09/29/2021 PERMIT / CONSTRUCTION | 12/22/2021



CLIENT APPROVAL

TITLE:

GENERAL NOTES, SYMBOLS, AND **ABBREVIATIONS**



GENERAL ACCESSIBILITY NOTES:

15" TO 48" A.F.F PER ICC/ANSI A117.1-2003 SECTION 302.2.

1. PROPOSED WORK TO COMPLY WITH APPLICABLE REQUIREMENTS OF LOCAL, STATE AND NATIONAL LAWS FOR ACCESSIBILITY AND THE AMERICANS WITH DISABILITIES ACT. WHERE CODE REQUIREMENTS OF THESE AUTHORITIES HAVING JURISDICTION AS THEY PERTAIN TO THE WORK DIFFER, THE MOST STRINGENT OF THE REQUIREMENTS SHALL GOVERN.

2. IN ALL CASES THE GENERAL CONTRACTOR SHALL BEAR RESPONSIBILITY FOR COMPLIANCE WITH THE CLEARANCES AND DIMENSIONS INDICATED ON THE ACCESSIBILITY STANDARDS DRAWING AND WITHIN THE BALANCE OF THE CONTRACT DOCUMENTS.

3. THE SPECIFIC DIMENSIONS AND/OR RANGES INDICATED IN THE ACCESSIBILITY STANDARDS DRAWING ARE A REGULATORY REQUIREMENT; NO ADDITIONAL TOLERANCES EITHER PLUS OR MINUS WILL BE ACCEPTED.

4. THE FULL TEXT OF THE 2010 ADA STANDARDS FOR ACCESSIBILITY DESIGN MAY BE FOUND AT THE WEBSITE:

http://www.ada.gov/regs2010/2010ADAStandards/2010ADAstandards.htm 5. ALL CONTROLS AND OPERATING MECHANISMS TO BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING. ALSO TO BE MOUNTED WITHIN REACH RANGES PER ICC/ANSI A117.1-2003 CHAPTER3.308 AND 3.309 (IE: 15" TO 48" AFF).

SIGNAGE FOR ALL ROOMS IF BEING PROVIDED MUST COMPLY TO ICC/ANSI SEC 703. MUST BE OF BRAILLE AND TACTILE AND LOCATED ON THE DOOR HANDLE SIDE OF THE DOOR, BE INSTALLED AT APPROPRIATE HEIGHT AND DISTANCE FROM THE DOOR FRAME ALL NEW OR ALTERED DOORS SHALL PROVIDE PROPER MANEUVERING CLEARANCE AT THE DOOR PER REQUIREMENTS OF LOCAL LAWS

FOR ACCESSIBILITY, ADA ACCESSIBILITY GUIDELINES AND ICC/ANSI 117.1-2003. 8. ALL NEW OR ALTERED DOORS SHALL HAVE LEVER OPERATED HARDWARE PER ICC/ANSI A117.1-2003 CHAPTER 4.404.

9. ALL DOORS IN PUBLIC BUILDINGS, OPENING INTO MECHANICAL OR ELECTRICAL EQUIPMENT ROOMS, STAIRS OR TO VEHICULAR TRAFFIC AREAS, SHALL HAVE KNURLED HARDWARE PER CBC CHAPTER 18-11-1109.9.5. 10. ALL NEW OR ALTERED DOORS MUST HAVE A 32" CLEAR DIMENSION WHEN MEASURED FROM THE FACE OF DOOR, WHEN IT IS OPENED 90

DEGREES, TO THE DOOR STOP MINIMUM PER ICC/ANSI A117.1-2003 CHAPTER 4.404. 11. ALL PUBLIC AND COMMON AREA INTERIOR DOORS ARE TO HAVE A 5 POUND MAXIMUM FORCE TO OPEN PER IAC 400.310 (J-10).

12. ALL PUBLIC AND COMMON AREA EXTERIOR DOORS ARE TO HAVE 8.5 POUNDS MAXIMUM FORCE TO OPEN PER IAC 400.310 (J-10). 13. FORWARD / FRONT APPROACH AND SIDE / PARALLEL APPROACH REACH RANGE FOR ALL CONTROLS AND OPERATING MECHANISMS TO BE

14. CARPET PILE THICKNESS, MEASURED FROM FINISH FLOOR TO THE TOP OF PILE, SHALL NOT EXCEED 1/2" PER ICC/ANSI A117.1-2003 SECTION 302.1 AND SECTION 302.2.

15. ALL NEW, ALTERED, RELOCATED OR REPLACED FIRE ALARM OR EMERGENCY WARNING SYSTEMS TO COMPLY FULLY WITH ICC/ANSI A117.1-2003 SECTION 7.702. ALL VISUAL ALARMS TO BE SYNCHRONIZED THROUGHOUT.

16. PROVIDE A PORTION OF EACH COAT CLOSET SHELF / ROD AT 48" A.F.F. MAXIMUM PER ICC/ANSI A117.1-2003 CHAPTER 702. 17. EXPOSED PIPES AND SURFACES: WATER SUPPLY AND DRAINPIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AND SINKS, PER ANSI 117, SECTION 606.6.

18. PROVIDE ALL NECESSARY BLOCKING FOR GRAB BARS, PLUMBING FIXTURES AND ACCESSORIES. 19. TOILET PAPER DISPENSERS TO BE MOUNTED WITH RELATION TO ALL GRAB BARS PER ANSI 117.1-2003, FIGURE 604.7.

20. FLUSH CONTROLS TO BE ON OPEN SIDE OF WATER CLOSET PER ANSI 117.1-2003, 604.6 (WIDE SIDE OF TOILET).

21. STANDARD COUNTER TO BE 2'-10" A.F.F. WITH 2'-5" CLEAR UNDERNEATH APRON. PROVIDE INSULATION AROUND ALL PIPING AT (1) SINK PER FLOOR, PER GENDER-SPECIFIC TOILET ROOM FOR ADA-COMPLIANCE.

22. BATHROOMS SHALL PROVIDE GRAB BARS AND HANDRAILS MEETING THE REQUIREMENTS OF THE LOCAL, STATE AND NATIONAL LAWS FOR ACCESSIBILITY, ICC/ANSI 117.1-2003 AND THE AMERICANS WITH DISABILITIES ACT.

23. FOR DOORS WHICH ARE EQUIPPED WITH CLOSERS, THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTABLE SUCH THAT FROM AN OPEN POSITION OF 90 DEGREES, THE DOOR WILL TAKE AT LEAST THREE (3) SECONDS TO MOVE TO A POSITION OF APPROXIMATELY 12 DEGREES.

24. A MINIMUM OF 5% OF ALL FIXED OR BUILT-IN TABLES, COUNTERS OR WORK SURFACES IN EACH AREA ARE TO BE FULLY ACCESSIBLE WITH AN ACCESSIBLE ROUTE TO THEM PER CBC 18-11-1109.11 AND 18-11-1109.11.1. NOTE: BOOTHS ARE NOT CONSIDERED ACCESSIBLE TABLES. ACCESSIBLE TABLES WILL BE PROVIDED ADJACENT TO BAR COUNTER WITH SAME SERVICE IN LIEU OF ACCESSIBLE BAR COUNTER. 25. TOILET ACCESSORIES SCHEDULE AND MOUNTING HEIGHTS FOR TOILET ROOMS PRIMARILY USED BY ADULTS:

REACH RANGES (ADULT): 9" MINIMUM A.F.F. TO 54" A.F.F. (SIDE APPROACH)

WATER CLOSET: TOILET SEAT HEIGHT = 18" A.F.F., CENTERLINE OF TOILET 18" FROM FACE OF WALL URINAL: MOUNT AT 15" A.F.F. (RIM HEIGHT)

LAVATORY: MOUNT AT 34" A.F.F (RIM HEIGHT) WITH 27" A.F.F. MINIMUM AT 8" MINIMUM FROM FRONT OF LAVATORY TOILET PAPER DISPENSER: MOUNT AT 21" A.F.F. TO CENTERLINE OF UNIT 30" AWAY FROM BACK WALL

SANITARY NAPKIN VENDOR: MOUNT AT 43" A.F.F. TO OPERABLE CONTROLS SANITARY NAPKIN DISPOSAL: MOUNT AT 25" A.F.F. TO CENTERLINE OF DOOR

SOAP DISPENSER: MOUNT AT 40" A.F.F. TO SPOUT TOWEL DISPENSER/WASTE RECEPTACLE: 48" A.F.F. MAXIMUM TO PAPER PULL OR TO HIGHEST OPERABLE POINT

MIRROR: 40" A.F.F. MAXIMUM TO BOTTOM OF MIRROR

GRAB BARS: MOUNT AT 34" A.F.F. TO CENTERLINE OF BAR, 1 1/2" OUTSIDE DIAMETER

DRINKING FOUNTAINS: MOUNT AT 34" A.F.F. MINIMUM TO SPOUT, 43" A.F.F. MAXIMUM M. BABY CHANGING STATION: MOUNT BED AT 33" A.F.F.

N. HAND DRYER: MOUNT AT 40" A.F.F. MAXIMUM TO BOTTOM OF REFLECTING SURFACE

O. COAT HOOKS: MOUNT (1) AT 54" A.F.F. TO TOP (ACCESSIBLE HEIGHT); MOUNT (1) AT 72" A.F.F. TO TOP (STANDARD HEIGHT)

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DESIGN ARCHITECT:



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JOJO'S SHAKE BAR

PROJECT NAME:

23 W HUBBARD ST

CHICAGO, IL 60654

JOJO'S SHAKE BAR

LOCATION:

88 W COLUMBIA ST DETROIT, MI 48201

ISSUE #	ISSUED FOR:	DATE
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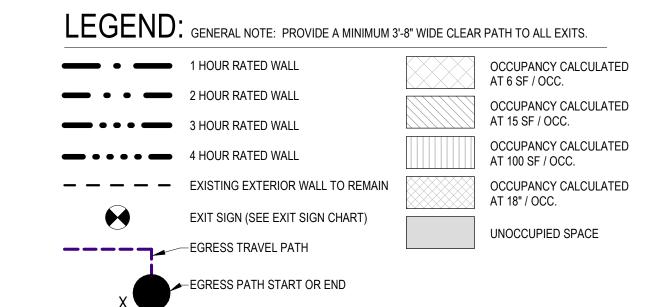
SEAL: RICHARD H SWEERS II ARCHITECT 1301032956

CLIENT APPROVAL

TITLE:

ACCESSIBILITY STANDARDS AND **NOTES**





EXITING/OCCUPANCY PLAN NOTES:

- PROVIDE A MINIMUM 3'-8" WIDE CLEAR PATH TO ALL EXITS.
- PROVIDE AUDIO / VISUAL LIFE SAFETY STROBES AS REQUIRED BY CODE.
 PROVIDE A DRINKING FOUNTAIN LOCATED WITHIN 200'-0" OF ALL LOCATIONS AT WHICH
- PROVIDE A DRINKING FOUNTAIN LOCATED WITHIN 200"-0" OF ALL LOCATIONS AT WHIC WORKERS ARE REGULARLY EMPLOYED AS REQUIRED BY CODE.
 OCCUPANT LOADS FOR ROOMS DETERMINED PER SECTION 1004 OF THE 2019
- INTERNATIONAL BUILDING CODE / CHICAGO BUILDING CODE 2019.
- SEE EXIT SIGN CHART ON SHEET A-000.
 SEE U.L. ASSEMBLY INFORMATION, STC RATINGS, AND PARTITION TYPES ON SHEET A-901.
- 7. THE MEANS OF EGRESS, INCLUDING THE EXIT DISCHARGE, SHALL BE ILLUMINATED AT ALL TIMES THE BUILDING SPACE SERVED BY THE MEANS OF EGRESS IS OCCUPIED.

8. EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES AND HAVE EMERGENCY POWER BACKUP.

- 9. LIFE SAFETY SYSTEMS SHALL REMAIN IN SERVICE AT ALL TIMES DURING CONSTRUCTION.
- 10. EMERGENCY EGRESS SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.11. MAXIMUM OCCUPANT LOAD SIGNS SHALL BE POSTED AND IN VIEW OF PATRONS IN ALL
- ASSEMBLY AREA.
- PROPER LOCATION OF EMERGENCY LIGHTING AND FIRE EXTINGUISHERS WHERE APPLICABLE WILL BE VERIFIED DURING THE INSPECTION PROCESS. CHANGES OR ADDITIONAL EQUIPMENT MAY BE REQUIRED.

PL	PLUMBING FIXTURES CHART								
WATE	WATER CLOSET (MEN) 1 PER 75								
LAV	/ATORY (MEN)			1 PER 200 OCCUI	PANTS				
WATER	CLOSET (WOMEN)	1 PER 75							
LAVA	TORY (WOMEN)		1 PER 200 OCCUPANTS						
SI	SERVICE SINK			1 TOTAL REQUIRED					
<u>FIXTURE</u>	OCC.	REQL	<u>JIRED</u>	<u>ACTUAL</u>	<u>REMARKS</u>				
WC (MEN)	75 PERSONS	1		2	(1 URINALS)				
WC (WOMEN)	75 PERSONS	1		1	-				
LAV (MEN)	75 PERSONS	1		1	-				
LAV (WOMEN)	75 PERSONS	1	l	1	-				
SERVICE SINK	(1) TOTAL REQ.	1	<u> </u>	1	-				

OCCUPANCY SCHEDULE AREA (SF) SEATING (LF) OCCUPANCY TYPE OCCUPANCY 15 SF / OCC. 24" / OCC. BOOTH SEATING 42 SF 22'-10" 101B **BOOTH SEATING** 27 SF 24" / OCC. 102 100 SF / OCC. DINING ROOM 586 SF 15 SF / OCC. 103A BOOTH SEATING 30 SF 10'-10" 24" / OCC. 103B BOOTH SEATING 28 SF 9'-0" 24" / OCC. 103C **BOOTH SEATING** 28 SF 24" / OCC. 103D **BOOTH SEATING** 28 SF 9'-0" 24" / OCC. 103E BOOTH SEATING 30 SF 24" / OCC. 103F **BOOTH SEATING** 75 SF 24" / OCC. PASTRY BAR 100 SF / OCC. TOILET UNOCCUPIED TOILET UNOCCUPIED PICK-UP/STORAGE 158 SF UNOCCUPIED KITCHEN 412 SF 100 SF / OCC.

TOTAL OCCUPANCY = 150 PERSONS

MAXIMUM TRAVEL DISTANCE = 250'-0".

FIRE PROTECTION SUB-CONTRACTOR TO SUBMIT PERMIT DRAWINGS FOR

FIRE PROTECTION WORK INCLUDING (BUT NOT LIMITED TO) FIRE EXTINGUISHER LOCATIONS, A/V STROBE LOCATIONS, EMERGENCY LIGHTING

AND SPRINKLER SYSTEM WORK. FIRE PROTECTION SUB-CONTRACTOR TO ISSUE SUBMITTALS TO ARCHITECT FOR FINAL LOCATION APPROVAL.

1 EXITING AND OCCUPANCY PLAN

3/16" = 1'-0"

0 1' 2' 4' 8'

DESIGN ARCHITECT:

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CLIENT:
JOJO'S SHAKE BAR

23 W HUBBARD ST CHICAGO, IL 60654

PROJECT NAME:

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SEAL:

RICHARD H

SWEERS II

ARCHITECT

No.

1301032956

CLIENT APPROVAL:

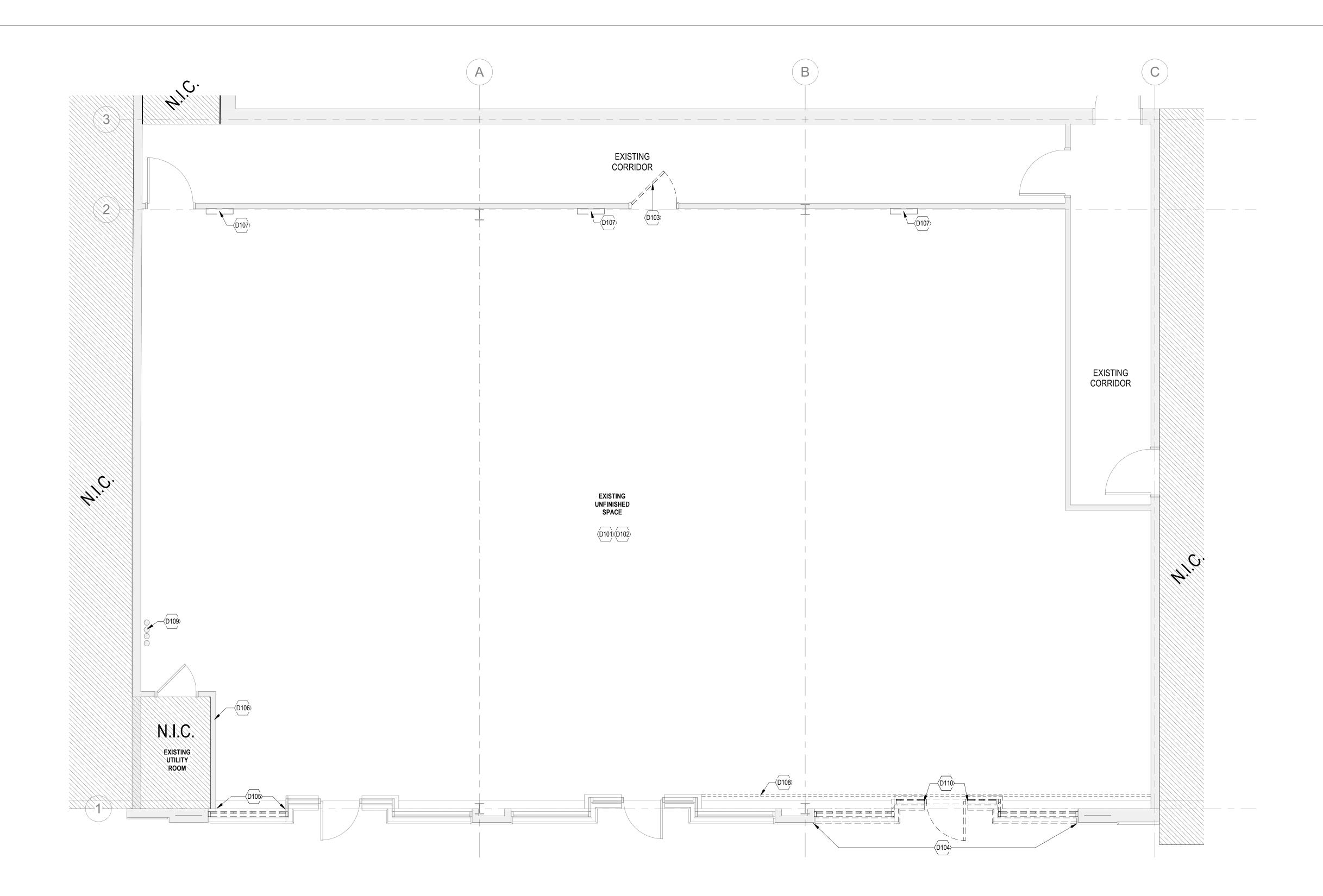
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EXITING/OCCUPANCY PLAN

PROJECT:

2026

THEET:





DEMOLITION LEGEND:

EXISTING WALL TO REMAIN REMOVE EXISTING PARTITION REMOVE PORTION OF EXISTING WALL EXISTING DOOR TO REMAIN REMOVE EXISTING DOOR, FRAME, AND HARDWARE AREA OF DEMOLITION, REFER TO KEYNOTES

DEMOLITION GENERAL NOTES:

- . $\ensuremath{\mathsf{VERIFY}}$ EXTENT OF DEMOLITION WITH PROPOSED FLOOR PLANS. 2. PULL ANY DEMOLISHED WIRING BACK TO THE NEAREST JUNCTION BOX. PULL ANY DEMOLISHED PLUMBING LINES BACK TO
- THE NEAREST SUPPLY LINE AND CAP.
- 3. PATCH ALL EXISTING WALLS AS REQUIRED. PROVIDE A SMOOTH SURFACE FOR NEW FINISHES. 4. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTORS TO DETERMINE IN ACCORDANCE WITH ALL CODES AND OWNERS CRITERIA, ALL METHODS FOR CONSTRUCTION, DEMOLITION, AND ALL RELATED PROCEDURES. THE CONTRACTOR IS
- RESPONSIBLE FOR ALL MATTERS OF LIFE SAFETY RESULTING FROM ALL CONSTRUCTION AND DEMOLITION.
- 5. CONTRACTORS SHALL PERFORM THE DEMOLITION WORK IN ACCORDANCE WITH THE AMERICAN STANDARD SAFETY CODE
- FOR BUILDING CONSTRUCTION.
- 6. THE CONTRACTOR SHALL SCHEDULE HIS/HER WORK TO INSURE MINIMUM DISTURBANCE TO THE REMAINDER OF OCCUPIED SPACE(S). THE CONTRACTOR SHALL SUBMIT A DETAILED SCHEDULE OF WORK AT THE PRE-CONSTRUCTION MEETING. ALL
- UTILITY SHUTDOWNS SHALL BE COORDINATED WITH THE OWNER AND PROPERTY MANAGER. 7. ALL DEMOLITION WORK SHALL BE COORDINATED BY THE GENERAL CONTRACTOR. TIMING OF ALL DEMOLITION WORK SHALL
- BE COORDINATED BY THE GENERAL CONTRACTOR. CONTRACTORS SHALL COMPLY WITH ALL RULES AND REGULATIONS OF GOVERNMENTAL AUTHORITIES HAVING JURISDICTION OVER DEMOLITION WORK.
- 8. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL DEMOLITION MATERIAL 9. CONTRACTOR TO REPLACE OR CORRECT ANY AND ALL EXISTING CONSTRUCTION TO REMAIN, TO MATCH THAT DAMAGED BY CONSTRUCTION AND/OR INSTALLATION PROCESS AT NO ADDITIONAL COST TO THE OWNER. AFTER THE CONTRACTOR REMOVES THE PARTITIONS AND CEILING SYSTEM THE CONTRACTOR MUST CONTACT BOTH THE ARCHITECT AND BUILDING ENGINEER PRIOR TO FURTHER DEMOLITION FOR ANY QUESTIONS/CLARIFICATION REGARDING SYSTEMS TO REMAIN.
- 10. ALL ITEMS REMOVED AND NOT SCHEDULED TO BE REINSTALLED INCLUDING MILLWORK, DOORS, HARDWARE, SHELVING, LIGHT FIXTURES, THERMOSTATS, ETC. ARE TO BE TURNED OVER TO THE OWNER. IF THE OWNER CHOOSES NOT TO KEEP ANY OF THESE ITEMS CONTRACTOR SHALL DISCARD.

KEYNOTES

- LEVEL AND PREPARE EXISTING SUB-SURFACE FOR NEW CONCRETE SLAB AND GRAVEL. REMOVE ANY SUBSURFACE AS REQUIRED.
- REMOVE EXISTING TEMPORARY LIGHTING AND EXISTING SIGNS. PULL ANY ABANDONED CONDUIT, WIRING, AND JUNCTION BOXES AND ALL WIRING BACK TO NEAREST JUNCTION BOX AND CAP ALL
- D103 REMOVE EXISTING DOOR AND FRAME AND TURN OVER TO LANDLORD.
- D104 REMOVE EXISTING STOREFRONT AND MASONRY WALL BELOW IN EXISTING OPENING. SALVAGE ANY STONE CLADDING. PREPARE OPENING FOR NEW GARAGE DOOR AND MAN DOOR. SEE CONSTRUCTION DRAWINGS FOR DETAILS.
- REMOVE EXISTING WINDOW IN STOREFRONT. PROVIDE TEMPORARY PLYWOOD BARRIER UNTIL NEW WINDOW IS IN PLACE. COORDINATE WITH CONSTRUCTION PLANS. REMOVE EXISTING RECESSED FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER AND SALVAGE
- FOR REUSE. PATCH AND REPAIR EXISTING GYPSUM BOARD WALL AS REQUIRED MATCHING EXISTING FIRE RATING OF WALL. REMOVE EXISTING ELECTRICAL SUBPANEL FOR SPACE AND SALVAGE FOR REUSE. PULL ANY AND ALL WIRES BACK TO MAIN BUILDING PANEL AS REQUIRED FOR NEW PANEL LOCATION. SEE
- ELECTRICAL DRAWINGS FOR DETAILS. D108 REWORK EXISTING SPRINKLER LINE FOR NEW GARAGE DOOR AT OPENING. COORDINATE FINAL HEIGHTS WITH GARAGE DOOR MANUFACTURER.
- D109 EXISTING ELECTRICAL CONDUIT TO REMAIN.

D110 REMOVE EXISTING DOOR AND HARDWARE AND SALVAGE FOR REUSE.

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CLIENT: JOJO'S SHAKE BAR

CHICAGO, IL 60654 PROJECT NAME:

23 W HUBBARD ST

JOJO'S SHAKE BAR

LOCATION:

88 W COLUMBIA ST

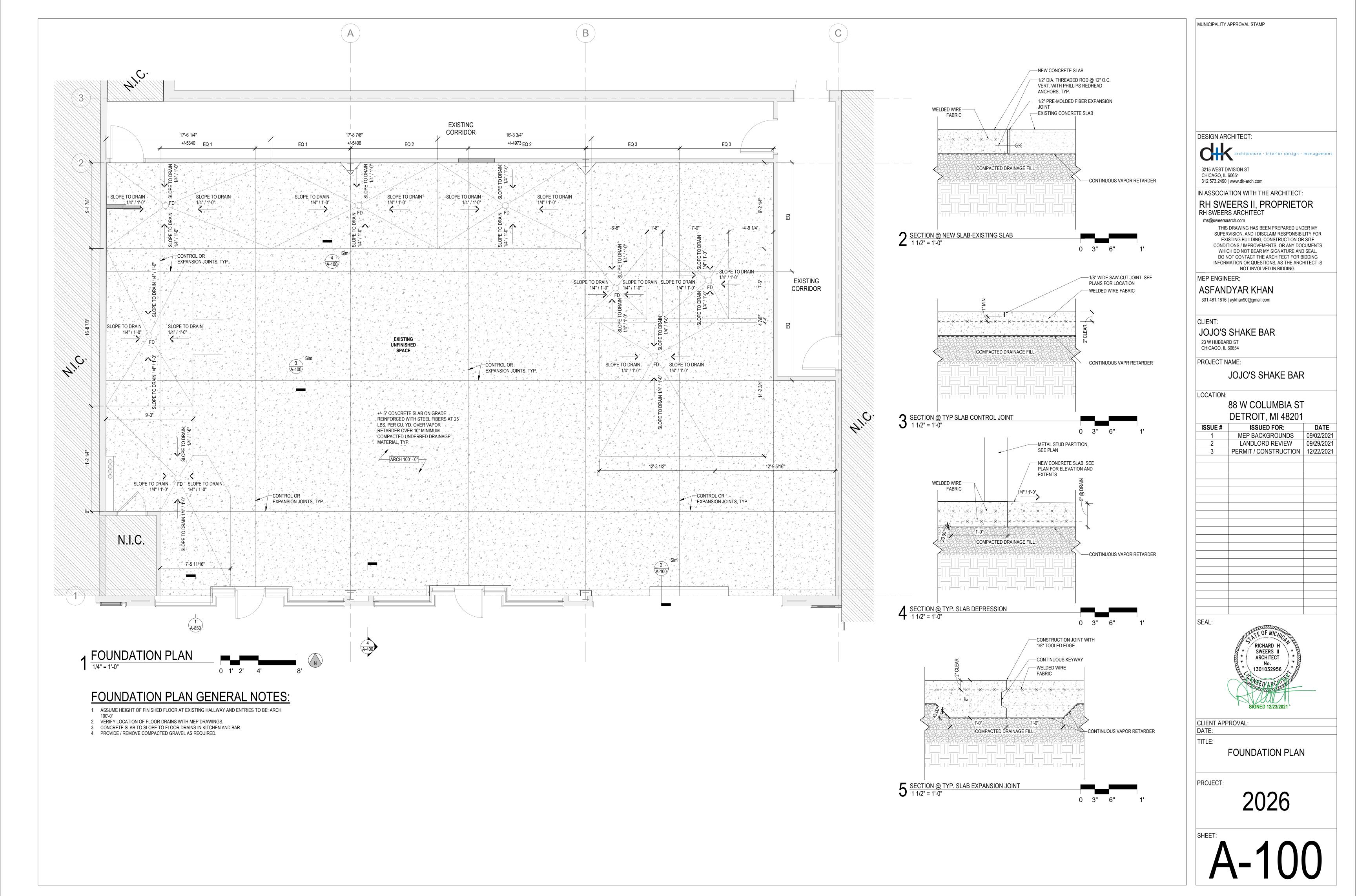
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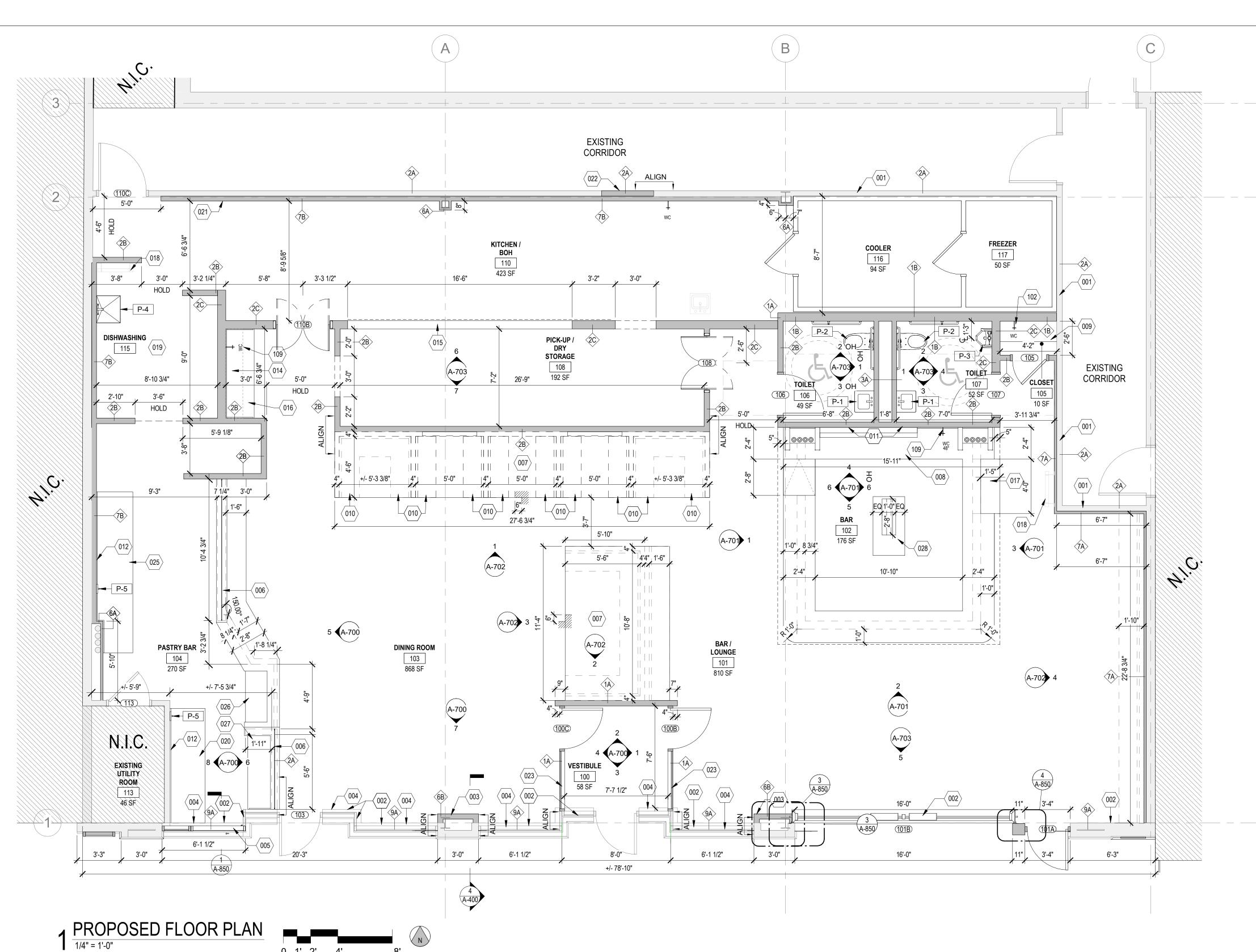


CLIENT APPROVAL:

TITLE:

DEMOLITION PLAN





KEYNOTES EXTEND EXISTING 1 HR RATED DEMISING WALL UP TO DECK ABOVE UL #U419. PROVIDE NEW HAT CHANNEL AND GYPSUM BOARD FURRING (9A) AT ENTIRE EXTERIOR WALL UP TO BOTTOM OF STEEL BEAM AT DECK. WHERE ABLE APPLY GYPSUM BOARD DIRECTLY TO EXISTING FRAMING. COVER ALL EXPOSED CMU, METAL STUD FRAMING AND INSULATION. NEW FRAMING, HOLD TIGHT TO EXISTING STEEL COLUMN. EXTEND DRYWALL TO UNDERSIDE OF PROVIDE NEW PAINTED WOOD CAP AT SILL OF STOREFRONT. SEE ELEVATION FOR TYPICAL DETAIL. REWORK EXISTING STOREFRONT WINDOW FOR NEW SELF-CLOSING PICKUP WINDOW. SEE ELEVATION FOR DETAILS. PICK UP WINDOW BASIS OF DESIGN TO BE QUIKSERV SC-4030-LP DARK NEW 18" HIGH LAMINATED GLASS SNEEZE GUARD. SEE ELEVATION FOR DETAILS. NEW RAISED PLATFORM. SEE DETAIL 5/A-802 FOR DETAILS . NEW QUARTZ BACK BAR. PROVIDE 2X2 TUBE STEEL SUPPORTS AS REQUIRED COORDINATE LOCATION OF SUPPORTS WITH EQUIPMENT BELOW. PROVIDE (5) WHITE ADJUSTABLE MELAMINE SHELVES ON HEAVY DUTY DOUBLE SLOTTED METAL STANDARDS AT CLOSET, PROVIDE FRT BLOCKING IN WALL AS REQUIRED. NEW MILLWORK BOOTH SEATING. SEE DETAILS FOR DESIGN INTENT. PROVIDE FRT WOOD BLOCKING IN WALL FOR WALL MOUNTED TV. NEW WALL MOUNTED SHELVES. SEE ELEVATION FOR DETAILS. PROVIDE FRT WOOD BLOCKING IN (3) NEW BLACK MELAMINE ADJUSTABLE SHELVES ON HEAVY DUTY DOUBLE SLOTTED METAL STANDARDS PROVIDE BLOCKING ON WALL AS REQUIRED. NEW STAINLESS STEEL PASS THRU OPENING WITH HEAT SHELF AND HEAT LAMPS. SEE ELEVATION NEW SERVICE STATION MILLWORK. SEE DETAILS AND ELEVATIONS. ADA PORTION OF BAR TOP. SEE ELEVATION FOR DETAILS. WALL MOUNTED FIXED PLATFORM ACCESS LADDER WITH WALK THRU. BASIS OF DESIGN: GLOBAL INDUSTRIES DOCK LADDER WITH WALK THRU. EQUIPMENT PLATFORM ABOVE. SEE PLAN DETAIL X:AXXX. DESIGN BUILD STRUCTURE WITH STRUCTURAL METAL STUDS. NEW QUARTZ COUNTERTOP AT THIS LOCATION WITH SURFACE MOUNTED COUNTER SUPPORT BRACKETS AS REQUIRED. COORDINATE FINAL HEIGHT AND LOCATION OF SUPPORTS WITH PROVIDE 4X6 FRT PLYWOOD PATCH PANEL FOR INCOMING PHONE AND SERVER RACK. MOUNT HORIZONTALLY ON WALL. COORDINATE LOCATION WITH TENANT. PAINT PLYWOOD TO MATCH WALL. NEW 1 HR RATED WALL INFILL TO MATCH EXISTING UL #U419. MATCH CORRIDOR FINISHES AT BUILDING COMMON HALLWAY. NEW INTERIOR STOREFRONT. 2"x4 1/2" - ANODIZED ALUMINUM FRAME WITH 1/4" CLEAR TEMPERED GLASS, MATCH FRAME COLOR TO EXISTING EXTERIOR STOREFRONT. NEW STAINLESS STEEL COUNTERTOP. COORINDATE FINAL HEIGHT AND LOCATION OF SUPPORTS WITH EQUIPMENT BELOW. FRAMED PLATFORM FOR DROP-IN COOLER. REFER TO INTERIOR ELEVATIONS AND DETAILS. COORDINATE WITH EQUIPMENT SPECS. NEW BUTCHER BLOCK COUNTERTOP. COORDINATE FINAL HEIGHT AND LOCATION OF SUPPORTS WITH EQUIPMENT BELOW. QUARTZ COUNTER ATTACHED TO EQUIPMENT COOLER. PROVIDE LIQUOR RISERS, COORDINATE PROVIDE WATER LINE FOR BAG IN THE BOX SYSTEM.

109 PROVIDE WATER LINE FOR COFFEE/ESPRESSO MACHINE.

PROJECT NAME: JOJO'S SHAKE BAR LOCATION:

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SWEERS II ARCHITECT

CLIENT APPROVAL:

PROPOSED FLOOR PLAN

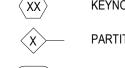
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FLOOR PLAN GENERAL NOTES:

- 1. PATCH EXISTING WALLS AS REQUIRED.
- SEE SHEET A-900 FOR DOOR SCHEDULE. SEE SHEET A-901 FOR PARTITION TYPES.
- . SEE SHEET A-300 FOR ALL INTERIOR FINISHES AND FLOOR PATTERNS. 5. ALL WALLS TO BE PAINTED UNLESS OTHERWISE NOTED. PROVIDE LEVEL SURFACE FOR
- PAINTING ON ALL EXISTING WALLS. 6. HVAC CONTRACTOR TO PROVIDE ARCHITECT WITH A DRAWING SHOWING PROPOSED
- THERMOSTAT LOCATIONS PRIOR TO INSTALLATION.
- 7. ALL GLAZED DOORS AND ANY GLAZED PANEL MORE THAN 18 INCHES IN WIDTH IMMEDIATELY ADJACENT TO ANY DOOR WHERE THE SILL OF THE GLAZED PANEL IS LESS THAN 24" A.F.F. SHALL BE CONSIDERED A HAZARDOUS LOCATION AND SHALL BE GLAZED WITH SAFETY GLAZING MATERIALS CONSTRUCTED TO MINIMIZE THE LIKELIHOOD OF ACCIDENTAL CUTTING AND PIERCING INJURIES RESULTING FROM HUMAN CONTACT AND BREAKAGE OF GLAZING. MATERIALS TO BE USED SHALL MEET OR EXCEED THE SAFETY CONSTRUCTION OF THE FOLLOWING STANDARD ITEMS: WIRED GLASS, TEMPERED GLASS LAMINATED GLASS AND RIGID PLASTICS MEETING THE TEST REQUIREMENTS OF ANSI-Z-97
- 8. PROVIDE AUDIO/VISUAL LIFE SAFETY STROBES AS REQUIRED BY CODE. REWORK EXISTING STROBES AND EMERGENCY LIGHTS FOR NEW LAYOUT. PROVIDE PLAN FOR ARCHITECT'S
- 9. SIGNAGE FOR ALL ROOMS IF BEING PROVIDED MUST COMPLY TO ICC/ANSI SECTION 703. SIGNAGE MUST BE OF BRAILLE, TACTILE, AND LOCATED ON THE DOOR HANDLE SIDE OF THE DOOR. SIGNAGE MUST BE INSTALLED AT APPROPRIATE HEIGHT AND DISTANCE FROM THE DOOR FRAME. SEE SHEET A-001 FOR ADA MOUNTING HEIGHTS.
- 10. CONTRACTOR TO ASSURE EXISTING SITE AND ASSOCIATED CONDITIONS MEET OR EXCEED MANUFACTURER REQUIREMENTS FOR ALL NEW CONSTRUCTION AND FINISH MATERIALS. 11. PROVIDE FIRE EXTINGUISHERS THROUGHT THE SPACE AS REQUIRED BY CODE.

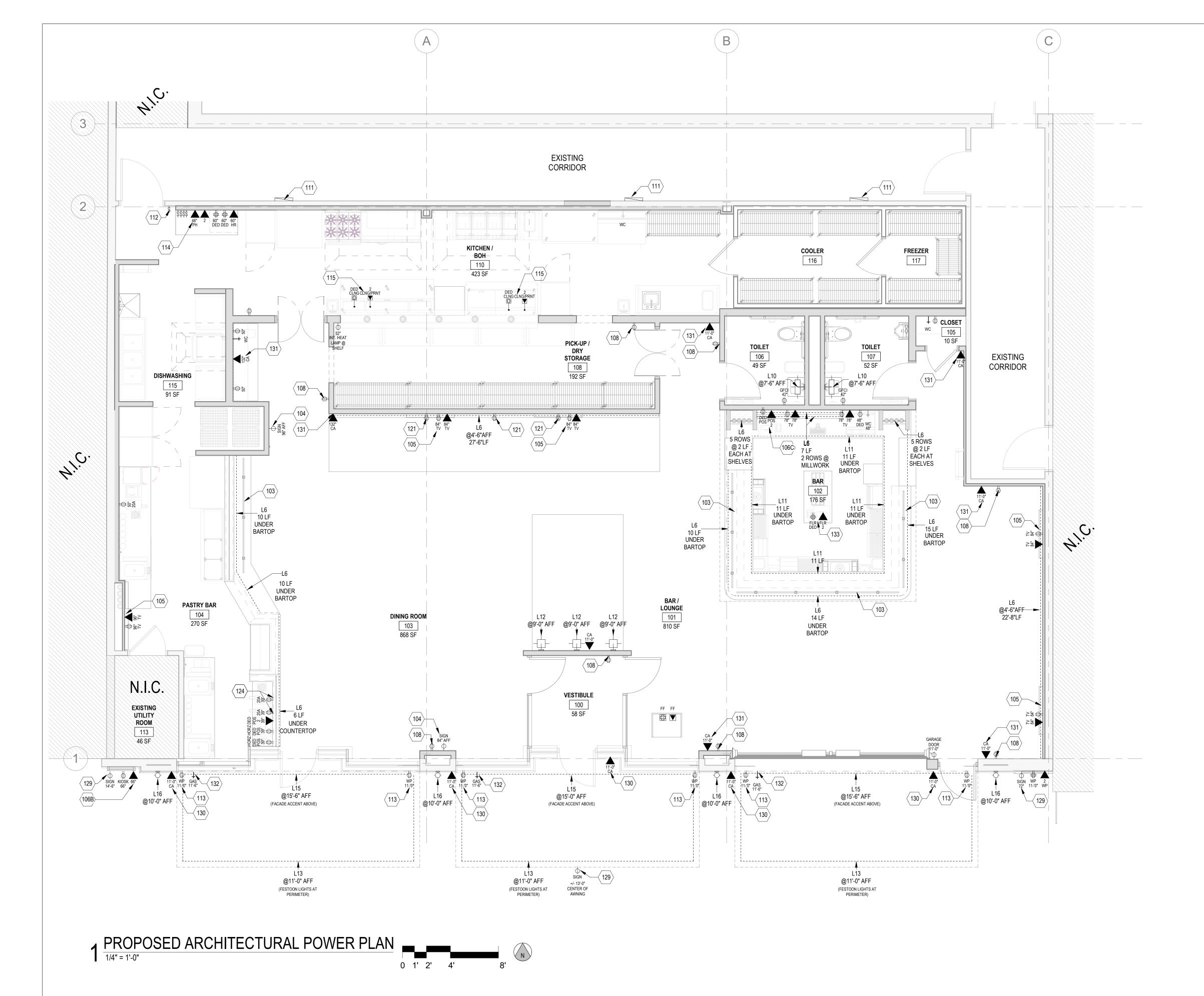
FLOOR PLAN LEGEND:

	EXISTING WALL CONSTRUCTION
	NEW WALL CONSTRUCTION
	NEW STOREFRONT SYSTEM
/ww	KENNOTE TAC



KEYNOTE TAG PARTITION TAG

PLUMBING FIXTURE SCHEDULE								
TAG	DESCRIPTION	MANUFACTURER	MODEL	FINISH	ACCESSORIES	REMARKS	FURNISHED / INSTALLED	
P-1	WALL MOUNTED SINK	KOHLER	K-2084-N	0-WHITE	P1A	PROVIDE K-14402-4A SINGLE-HANDED FAUCET, FINISH: VIBRANT BRUSHED MODERNE BRASS	CF/ CI	
P-2	ADA COMPLIANT WALL HUNG ELONGATED VITREOUS CHINA FLUSH VALVE WATER CLOSET	SLOAN	WETS-2450.1201	WHITE		PROVIDE COMPATIBLE TOILET SEAT	CF/ CI	
p-3	WALL HUNG HIGH EFFICIENCY URINAL	SLOAN	WEUS-1000.1415	WHITE			CF/ CI	
P-4	MOP/SERVICE BASIN	MUSTEE	63M	WHITE	P4A	PROVIDE K-240 SERVICE FAUCET, K-242 MOP HANGER, K-244 HOSE AND HOSE HANGER	CF/ CI	
P-5	WALL MOUNTED PRE-RINSE FAUCET	T&S	B-0133-B	CHROME PLATED BRASS		CONFIRM SPEC WITH OWNER PRIOR TO PURCHASING.	CF / CI	



POWER PLAN GENERAL NOTES:

- 1. ALL OUTLETS TO BE MOUNTED AT 18" A.F.F. TO CENTERLINE OF FACEPLATE UNLESS NOTED OTHERWISE. ALL OUTLETS TO BE MOUNTED SECURELY WITH A MINIMUM OF TWO POINTS OF FASTENING AT TOP AND BOTTOM TO THE SUPPORTING STRUCTURE IN A VERTICAL ORIENTATION, UNLESS NOTED OTHERWISE, WITH GROUND-POST OF OUTLET AT TOP. ALL OUTLETS TO BE TAMPER-RESISTANT. CONFIRM VOICE, POWER, DATA AND SWITCH LOCATIONS WITH DIMENSIONED LOCATIONS ON THE INTERIOR ELEVATIONS.
- WITH DIMENSIONED LOCATIONS ON THE INTERIOR ELEVATIONS.

 2. PER NEC 210.8, OUTLETS ABOVE KITCHEN COUNTERTOP OR WET BARS, IN BATHROOMS, GARAGES, OR ON THE BUILDING EXTERIOR TO BE EQUIPPED WITH GROUND FAULT CIRCUIT
- INTERRUPTORS (GFCI).

 3. COORDINATE ALL LOW VOLTAGE REQUIREMENTS WITH LOW VOLTAGE AND/OR A/V PROVIDER.

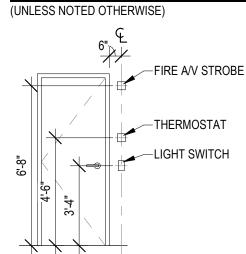
POWER PLAN LEGEND:

- \$ SWITCH
- SIMPLEX RECEPTACLE
- DUPLEX RECEPTACLE
- QUADRIPLEX RECEPTACLE
- DATA RECEPTACLE
- PHONE RECEPTACLE
- COMBINED DATA/PHONE RECEPTACLE
- DEVICE DECEDIAGE
- DEVICE RECEPTACLE
- FURNITURE FEED (POWER AND DATA)
- FLOOR MOUNTED RECEPTACLE
- ▼ FLOOR MOUNTED DATA RECEPTACLE
- CR CARD READER

TYPICAL ABBREVIATIONS:

- D DIMMER
 DED DEDICATED OUTLET
 DW DISHWASHER OUTLET
 FLR FLOOR MOUNTED OUTLET
 EP ELECTRICAL PANEL
 FURN FURNACE
 GFCI GROUND FAULT CIRCUIT INTERRUPT
 GD GARBAGE DISPOSAL
 OCC OCCUPANCY SENSOR
 REF REFRIGERATOR OUTLET
 WH WATER HEATER
 FE FURNITURE FEED
- FF FURNITURE FEED
 POS POINT OF SALE DEVICE/TERMINAL
 TV TELEVISION
 DVI DIGITAL VISUAL INTERFACE
 HDMI HIGH DEFINITION MULTIMEDIA INTERFACE
- VGA VIDEO GRAPHICS ARRAY
 SP SPEAKER
 CA SECURITY CAMERA (CCTV)
- FA FIRE ALARM/STROBE (COORDINATE WITH FIRE PROTECTION DRAWINGS)
 PP PATCH PANEL
 ND NETWORK DROP
 DP DATA PUNCH DOWN PANEL

TYPICAL DEVICE MOUNTING AT DOOR:



KEYNOTES

- 103 LOW PROFILE METALLIC RACEWAY AT UNDERSIDE OF BARTOP WITH CONVENIENCE DUPLEX OUTLETS IN MIN. QUANTITY AS SHOWN ON PLANS. BASIS OF DESIGN TO BE HARD WIRED LEGRAND WIREMOLD PLUGMOLD 2000 SERIES IN BLACK FINISH IN LENGTHS NOTED PER PLANS.
- 104 PROVIDE POWER AT THIS LOCATION FOR OWNER PROVIDED ILLUMINATED SIGNAGE. COORDINATE HEIGHTS WITH INTERIOR ELEVATIONS.
- PROVIDE POWER AND DATA AT THIS LOCATION FOR OWNER PROVIDED WALL MOUNTED TELEVISION. COORDINATE HEIGHTS WITH ELEVATIONS AND LOW VOLTAGE REQUIREMENTS WITH OWNER.

SALE DEVICE, RECEIPT PRINTER, AND KITCHEN PRINTER. INFACE HORIZONTAL OF LIQUOR RISER.

- 106B PROVIDE POWER AND DATA AT THIS LOCATION FOR OUTDOOR ORDER KIOSK. COORDINATE WITH OWNER LOW VOLTAGE REQUIREMENTS.
 106C PROVIDE POWER AND DATA TIGHT TO THE UNDERSIDE OF BARTOP ON BACK WALL FOR POINT OF
- PROVIDE FINISHED GROMMET AT COUNTERTOP.

 PROVIDE CONVENIENCE RECEPTACLE AT THIS LOCATION.
- 111 RELOCATED ELECTRICAL PANEL TO REMAIN. REPAIR AND REPLACE COVER AS REQUIRED.

 112 PROVIDE "KILL SWITCH" AT THIS LOCATION TO ALLOW FOR CLOSING EMPLOYEE TO TURN OFF ALL LIGHTS WHEN EXITING. COORDINATE WITH ELECTRICAL PLANS AND OWNER. SWITCH TO BE A VANDAL RESISTANT KEY SWITCH TO PREVENT ACCIDENTAL SWITCHING.
- 113 PROVIDE WEATHER PROTECTED OUTLETS ON EXTERIOR FACADE UNDER AWNING/CANOPY FOR
- FESTOON LIGHTING.

 114 PROVIDE DATA AT THIS LOCATION FOR OWNER PROVIDED VOIP PHONE SYSTEM.
- PROVIDE POWER AND DATA WHIPS FOR POS/PRINTER TO BE INSTALLED INTO OVERHEAD SHELVING ELEMENT.
- 121 PROVIDE CONVENIENCE RECEPTACLES IN MILLWORK BOOTH WALL UNDER TABLES AT THIS
- LOCATION.
- 124 PROVIDE NEMA 6-20, 20AMP, 208V, 3Ph OUTLET AT THIS LOCATION FOR TENANT PROVIDED
- 129 PROVIDE POWER FOR EXTERIOR ILLUMINATED BUILDING SIGNAGE ON FRONT FACADE. COORDINATE MOUNTING LOCATION WITH EXTERIOR ELEVATIONS AND SIGNAGE LOCATION. COORDINATE POWER AND CONTROL REQUIREMENTS WITH SIGNAGE PROVIDER.
- 130 EXTERIOR WALL MOUNTED CAMERA. PROVIDE CAT 6 WIRE BACK TO SECURITY RACK AT DESK IN
- KITCHEN. COORDINATE FIND LOCATION WITH SECURITY VENDOR.

 131 WALL MOUNTED CAMERA. PROVIDE CAT 6 WIRE BACK TO SECURITY RACK AT DESK IN KITCHEN. COORDINATE FIND LOCATION WITH SECURITY VENDOR.
- PROVIDE POWER AND GAS LINE FOR NEW WALL MOUNTED NATURAL GAS HEATER. HEATER TUBE STERLING 45,000 BTU NATURAL GAS INFARED RADIANT HEATER. MODEL #RSG045N1U0/1143468000.
- PROVIDE A CONDUIT AND JUNCTION BOX 6" AFF FOR POWER AND DATA. COORDINATE LOCATION WITH EQUIPMENT. SHOULD RUN UP NARROW SIDE OF EQUIPMENT.

MUNICIPALITY APPROVAL STAMP

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23 W HUBBARD ST

PROJECT NAME:

CHICAGO, IL 60654

JOJO'S SHAKE BAR

LOCATION:

88 W COLUMBIA ST DETROIT, MI 48201

SEAL:



CLIENT APPROVAL: DATE:

TITLE:

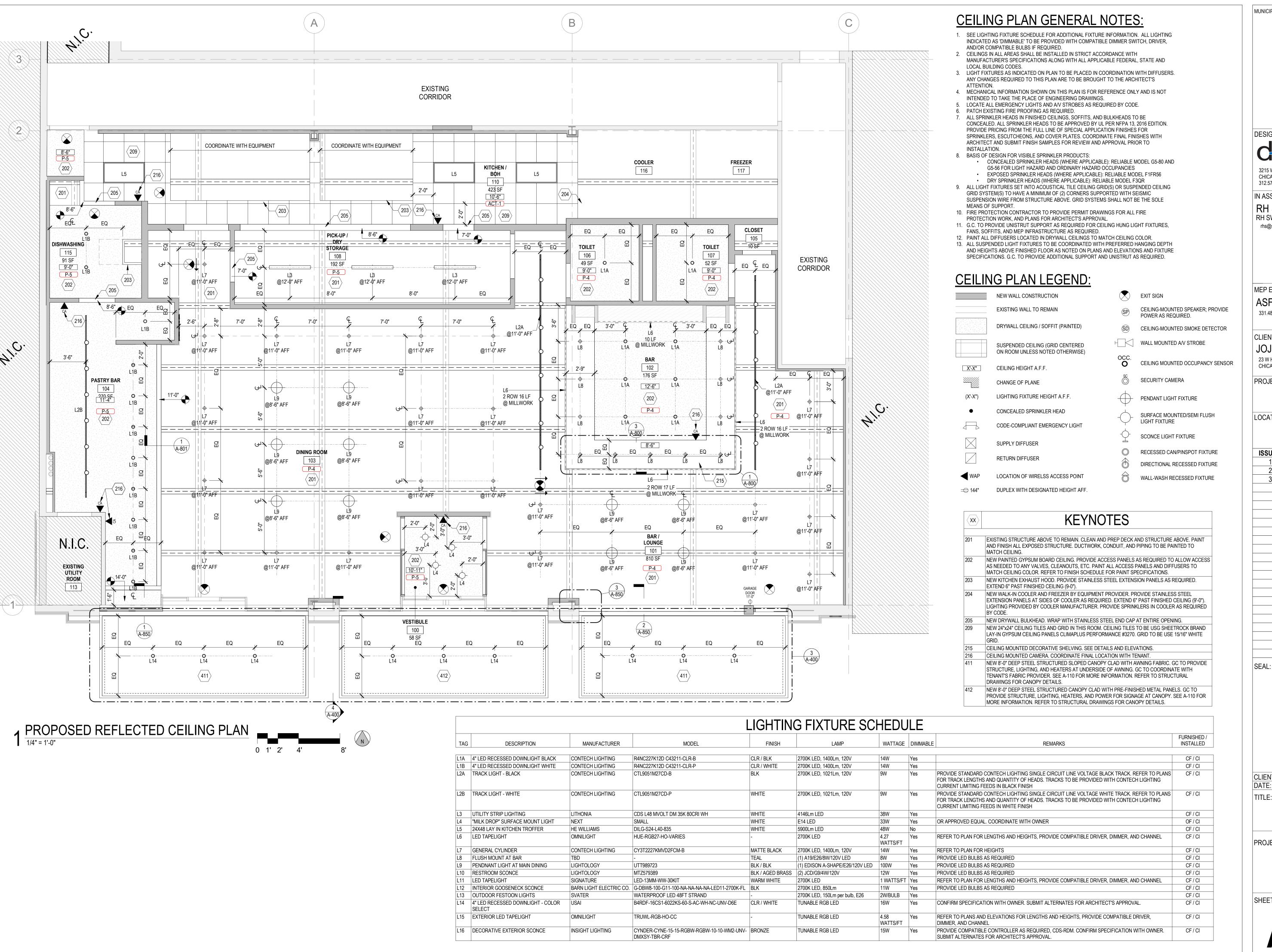
ARCHITECTURAL POWER PLAN

PROJECT:

2026

SHEET:

A-110



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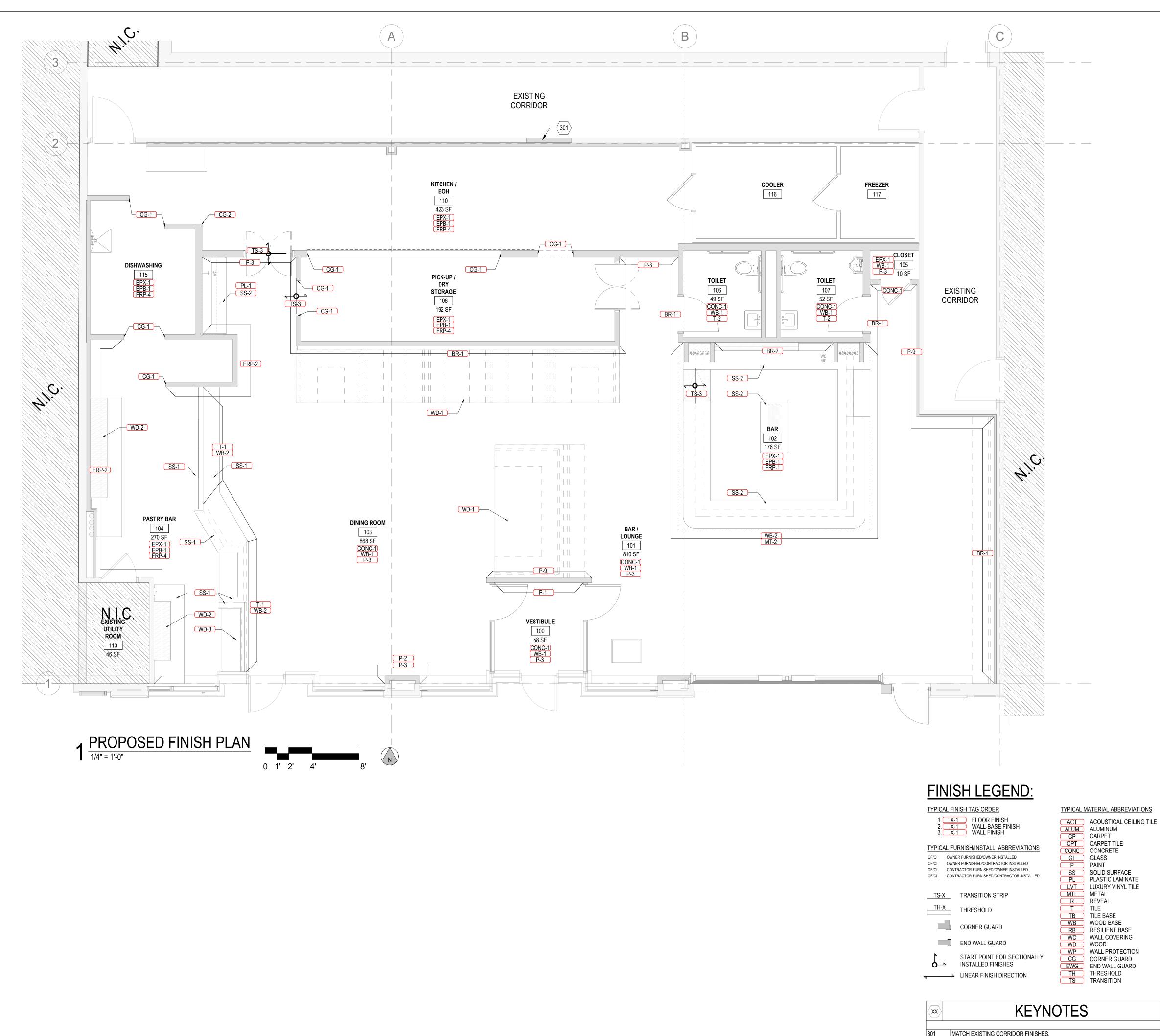
DETROIT, MI 48201 ISSUE # **ISSUED FOR:** MEP BACKGROUNDS LANDLORD REVIEW 09/29/2021 PERMIT / CONSTRUCTION | 12/22/2021

RICHARD H SWEERS II ARCHITECT 1301032956

CLIENT APPROVAL:
D 4 T C

TITLE:

REFLECTED CEILING PLAN



FINISH PLAN GENERAL NOTES:

SUBMIT SAMPLE OF ALL FINISHES FOR ARCHITECT'S APPROVAL.

- INSTALL ALL FINISHES PER MANUFACTURER'S SPECIFICATIONS. LEVEL/FLOAT THE FLOOR AS REQUIRED BETWEEN DISSIMILAR MATERIALS. PROVIDE TRANSITION STRIPS AS REQUIRED BETWEEN DISSIMILAR MATERIALS.
- SEE DRAWINGS FOR DETAILS.
- ALL PAINTED WALLS TO RECEIVE 1 COAT OF PRIMER AND 2 FINISH COATS. 6. COATINGS APPLIED BY BRUSH OR SPRAY SHALL NOT BE USED AS FLAME SPREAD RETARDANTS.
- 7. ALL SURFACES REQUIRING FINAL FINISH APPLICATION SHALL BE FREE OF DEFECTS, TAPED, FILLED, GROUND AND SANDED SMOOTH TO RECEIVE INTERIOR FINISH AS SPECIFIED ON THE ROOM FINISH SCHEDULE, PATCH ANY CRACKS OR HOLES, SCRAPE LOOSE OR PEELING PAINT, FILL AND SAND SMOOTH, SKIM COAT ANY NECESSARY GYPSUM BOARD AREAS SUCH THAT THE WALLS ARE PERFECTLY SMOOTH PRIOR TO PRIMING.
- GENERAL CONTRACTOR SHALL VERIFY THAT ALL FLOORS HAVE BEEN TESTED, PREPPED AND ARE IN GOOD AND LEVEL CONDITION PRIOR TO APPLICATION OF FINAL FLOORING. ANY AND ALL AREAS NOT FOUND TO BE IN CONFORMANCE WITH THE SPECIFIED REQUIREMENTS OF THE CONTRACT DOCUMENTS, ARE TO BE TESTED, PREPPED AND LEVELED TO MEET CONSTRUCTION AND MATERIAL TOLERANCES AND OR INSTALL REQUIREMENTS. SCHEDULING, PERFORMING AND DOCUMENTATION OF ALL TESTING, PREPPING OR LEVELING OF ANY AND ALL FLOORS OR SLABS, EXISTING OR NEW, IS SOLELY THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- 9. SUBSTRATE PERFORMANCE REQUIREMENTS LISTED IN FINAL FINISH MANUFACTURER'S PRODUCT LITERATURE SHALL SUPERSEDE AND DICTATE PRIOR TO THE APPLICATION OF SPECIFIED FINAL FINISH. ANY TESTING REQUIREMENTS FOR THE SUBSTRATE MATERIALS LISTED IN THE CONTRACT DOCUMENTS SHALL BE DILIGENTLY COORDINATED WITH ALL SUBSTRATE TESTING AND PERFORMANCE REQUIREMENTS OF FINAL FINISHES PRIOR TO PERFORMANCE OF TESTING PROCEDURES. WHERE MULTIPLE TESTS FOR A SPECIFIC SUBSTRATE PERFORMANCE CHARACTERISTIC ARE LISTED BETWEEN SUBSTRATE AND FINAL FINISH DOCUMENTATION. THE MORE RESTRICTIVE TESTING METHOD SHALL DICTATE AND BE PERFORMED. THE OWNER SHALL BE HELD HARMLESS FROM ANY SCHEDULE IMPACTS OR ADDITIONAL COSTS FOR ADDITIONAL TESTING REQUIRED DUE TO LACK OF COORDINATION OF PERFORMANCE REQUIREMENTS.
- 10. WALL BASE: CONTRACTOR SHALL PROVIDE AND INSTALL RESILIENT WALL BASE INDICATED AND SPECIFIED. AT CARPET, CONTRACTOR TO PROVIDE "STRAIGHT" BASE UNLESS NOTED OTHERWISE. AT HARD SURFACE / RESILIENT FLOORING AREAS, CONTRACTOR SHALL PROVIDE "COVE" BASE UNLESS NOTED OTHERWISE. AT TILED WALL APPLICATIONS, CONTRACTOR SHALL PROVIDE COORDINATING COVED TILE BASE UNLESS NOTED OTHERWISE. INSTALLATION OF ALL WALL BASE SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATION. 11. ALL WOOD PRODUCTS TO BE FORECT STEWARDSHIP COUNCIL (FSC) CERTIFIED WHERE PRODUCTS ARE AVAILABLE. ALL FSC PRODUCTS TO BE MANIFESTED PER
- LEED INITIATIVE AND CHAIN OF CUSTODY REQUIREMENTS. 12. ALL INTERIOR WALL AND CEILING FINISH MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE FEDERAL, STATE AND LOCAL BUILDING CODES. AND SHALL NOT BE LESS RESISTANT TO FLAME SPREAD THAN CLASS 1 FLAME SPREAD RATING 0 TO 25 SMOKE DEVELOPED 200 OR BETTER.
- 13. ALL INTERIORS FLOOR COVERINGS SHALL COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE CODES AND ORDINANCES (FLOOR COVERINGS), CLASS B, INTERIOR FLOOR FINISH CRITICAL RADIANT FLUX BETWEEN 1.22 AND 0.44 WATTS/SQUARE CENTIMETER.
- 14. NO INTERIOR FINISH MATERIAL COVERING MORE THAN 20 SF OF WALL AND CEILING AREA SHALL BE USED IF IT DEVELOPS SMOKE IN GREATER DENSITY THAN THE RATING SHOWN IN APPLICABLE MUNICIPAL AND BUILDING CODES AND ORDINANCES AND NFPA 101.
- 15. ATTACHMENTS AND ADHESIVES FOR INTERIOR FINISH SHALL HAVE THE SAME FLAME SPREAD AND SMOKE DEVELOPED RATING OF THE INTERIOR FINISHES. 16. NO MATERIAL SHALL BE USED IN ANY INTERIOR LOCATION WHICH WILL PRODUCE
- PRODUCTS MORE TOXIC THAN THOSE GIVEN OFF BY WOOD OR PAPER WHEN DECOMPOSING OR BURNING. 17. CARPET, WHEN USED AS A FLOOR COVERING, SHALL HAVE FLAMMABILITY
- REQUIREMENTS IN ACCORDANCE WITH APPLICABLE MUNICIPAL AND BUILDING CODE(S) AND NFPA 101. IF USED AS AN INTERIOR FINISH, IT SHALL COMPLY WITH ALL PROVISIONS REGARDING INTERIOR FINISH OF ALL APPLICABLE CODES AND ORDINANCES AND NFPA 101; THE IGNITION PILL TEST FF1-70 SPECIFIED BY THE U.S. DEPARTMENT OF COMMERCE AND THE RADIANT PANEL TEST PER ASTM E-648 CLASS 1 FLAMMABILITY STANDARDS.
- 18. ALL FINISHED FLOORING SHALL BE FIRM, STABLE AND SLIP RESISTANT PER ICC/ANSI A117.1-2003 SECTION 302.1 AND SECTION 302.2
- 19. CARPET PILE THICKNESS, MEASURED FROM FINISHED FLOOR TO THE TOP OF PILE SHALL NOT EXCEED 1/2" PER ICC/ANSI A117.1-2003 SECTION 302.1 AND SECTION
- 20. WALL AND/OR CEILING ASSEMBLIES THAT ARE IDENTIFIED WITH A FIRE RESISTIVE RATING SHALL BE CONSTRUCTED PER PRODUCT MANUFACTURERS SPECIFICATIONS AND REQUIREMENTS OF ALL APPLICABLE CURRENT CODES AND GOVERNING BODIES.

FINISH SURFACE PREPARATION:

- PREPARE ALL SUB-SURFACES TO RECEIVE NEW FINISHES.
- 2. ALL WALLS TO RECEIVE ASTM LEVEL 5 FINISH UNLESS EXPLICITLY NOTED
- OTHERWISE. 3. WOOD FLOORING INSTALLATION: GC TO PREPARE EXISTING CONCRETE SLAB FOR NEW WOOD FLOORING PER MANUFACTURERS SPECIFICATIONS. TEST MOISTURE CONTENT OF SLAB BEFORE INSTALLING FLOORING. IF REQUIRED CLEAN AND LEVEL EXISTING SLAB, PROVIDE VAPOR BARRIER OVER CONCRETE SLAB, PROVIDE PLYWOOD UNDERLAYMENT ON SLAB WITH FINISH PLANK FLOOR.
- 4. TILE FLOORING INSTALLATION: GC TO PREPARE EXISTING CONCRETE SLAB FOR NEW TILE FLOORING PER MANUFACTURERS SPECIFICATIONS. TEST MOISTURE CONTENT OF SLAB BEFORE INSTALLING FLOORING. IF REQUIRED CLEAN AND LEVEL EXISTING SLAB, PROVIDE VAPOR BARRIER OVER CONCRETE SLAB, PROVIDE MORTAR BED AND FINISHED TILE.
- 5. CARPET FLOORING INSTALLATION: GC TO PREPARE EXISTING CONCRETE SLAB FOR NEW CARPET FLOORING PER MANUFACTURERS SPECIFICATIONS. TEST MOISTURE CONTENT OF SLAB BEFORE INSTALLING FLOORING. IF REQUIRED CLEAN AND LEVEL EXISTING SLAB, PROVIDE VAPOR BARRIER OVER CONCRETE SLAB, APPLY TACKING STRIPS, CARPET PAD AND FINISHED CARPET. PROVIDE A SEAMING DIAGRAM FOR APPROVAL PRIOR TO INSTALLATION.
- 6. WALLCOVERING INSTALLATION: GC TO PREPARE WALL SURFACE FOR WALLCOVERING PER MANUFACTURERS SPECIFICATIONS. IF REQUIRED CLEAN AND LEVEL ALL WALL SURFACES. UNIFORMLY APPLY MASTIC AND FINISHED WALLCOVERING TO WALL REMOVING ALL BUBBLES AND SEAMING ALL PATTERNS
- WALL TILE INSTALLATION: GC TO PREPARE WALL SURFACE FOR TILE PER MANUFACTURERS SPECIFICATIONS. IF REQUIRED CLEAN AND LEVEL ALL WALL SURFACES. PROVIDE CEMENT BOARD AT ALL TILE INSTALLATIONS. TROWEL APPLY THINSET MORTAR AND LAYOUT TILES. GROUT TILES AND WIPE CLEAN.
- 8. PAINT INSTALLATION: GC TO PREPARE WALL SURFACE FOR PAINT PER MANUFACTURERS SPECIFICATIONS. IF REQUIRED CLEAN AND LEVEL ALL WALL SURFACES. PRIME AND PAINT WALL.
- 9. PLASTER, AND SCREED SYSTEM INSTALLATION: GC TO PROVIDE SUITABLE SUBSTRATE FOR FINISH APPLICATION. G.C. TO PROVIDE LEVEL 5 FINISH FOR INSTALLATION UNLESS NOTED OTHERWISE. PLYWOOD IS NOT AN ACCEPTABLE SUBSTRATE. PROVIDE WIRE LATH AS REQUIRED FOR PROPER INSTALLATION. INSTALL PER MANUFACTURER RECOMMENDATIONS. FOR PANELED AREAS WHERE SEAMS ARE PRESENT G.C. TO COORDINATE INSTALLATION OF SUBSTRATE SO THAT NO SEAMS ARE VISIBLE TO ENSURE CONSISTENT FINISH.
- 10. FRESCO FINISH SYSTEM INSTALLATION: GC TO PROVIDE LEVEL 5 FINISH FOR FRESCO INSTALLATION. SUBSTRATE TO BE MDF OR DRYWALL, PLYWOOD IS NOT AN ACCEPTABLE SUBSTRATE. FOR PANELED AREAS WHERE SEAMS ARE PRESENT G.C. TO COORDINATE INSTALLATION OF SUBSTRATE SO THAT NO SEAMS ARE VISIBLE TO ENSURE CONSISTENT FINISH.

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DESIGN ARCHITECT:

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CHICAGO, IL 60654

JOJO'S SHAKE BAR

LOCATION:

88 W COLUMBIA ST DETROIT, MI 48201

SSUE#	ISSUED FOR:	DATE
1	MEP BACKGROUNDS	09/02/2021
2	LANDLORD REVIEW	09/29/2021
3	PERMIT / CONSTRUCTION	12/22/2021

SEAL:



CLIENT APPROVAL:

TITLE:

FINISH PLAN

FINISH MATERIALS LEGEND								
TAG CATEGORY	DESCRIPTION	MANUFACTURER	SERIES/FINISH/STYLE	COLOR	REMARKS	CONTACT	FURNISHED / INSTALLED	
RICK								
R-1 BRICK	WHITE THIN BRICK	TBD	TBD	TBD WHITE	RUNNING BOND	-	CF/CI	
R-2 BRICK	BLACK THIN BRICK	TBD	TBD	SHERWIN WILLIAMS TRICORN BLACK	RUNNING BOND	-	CF/CI	
ILING								
CT-1 CEILING	ACCOUSTIC CEILING TILE	-	-	-	-	-	CF/CI	
DUNTERTOP				,				
-1 COUNTERTOP	QUARTZ COUNTERTOP @ PASTRY BAR	VICOSTONE QUARTZ SURFACES	-	SUPER WHITE POLISHED	OR D+K APPROVED EQUAL	-	CF/CI	
-2 COUNTERTOP	QUARTZ COUNTERTOP @ MAIN BAR AND SERVER STATIONS	CEASERSTONE	-	3101 PIATTO BLACK	OR D+K APPROVED EQUAL	-	CF/CI	
-1 COUNTERTOP	EXTERIOR STONE AT FACADE	-	-	3101 PIATTO BLACK	OR D+K APPROVED EQUAL	-	CF/CI	
GE PROTECTION TRANSITION								
EDGE PROTECTION TRANSITION	WALL END CAP PROTECTION	TBD	STAINLESS STEEL	STAINLESS STEEL	2" RETURN	-	CF/CI	
EDGE PROTECTION TRANSITION	CORNER GUARD	TBD	STAINLESS STEEL	STAINLESS STEEL	2" X 2"	-	CF/CI	
DOR		1				1		
NC-1 FLOOR	STAINED CONCRETE	-	-	-	CLEAR COAT ON TOP	-		
X-1 FLOOR	EPOXY FLOORING, TYP	TBD	TBD	CONCRETE GRAY	SUBMIT SAMPLE FOR APPROVAL	-	CF/CI	
P CDD	DI ACK EDD. TVD	MADLITE	CTANDADD EDD. DEDDI E OLIDEA OF ANCOLORET HOLE	D007 DI ACI/	N/A		OFICI	
P-1 FRP	BLACK FRP, TYP	MARLITE	STANDARD FRP; PEBBLE SURFACE 4'X8' 3/32" THICK	P807 BLACK	N/A	-	CF/CI	
P-2 FRP	WHITE SUBWAY FRP @ PASTRY BAR	MARLITE	SYMMETRIX FRP PANELS	C 100-G63 WHITE	PROVIDE NECESSARY CORNER TRIM PIECES	-	CF/CI	
P-3 FRP	WHITE SUBWAY FRP @ RESTROOMS	MARLITE	SYMMETRIX FRP PANELS	A 916-G63 WHITE WITH BLACK SCORELINE	PROVIDE NECESSARY CORNER TRIM PIECES	-	CF/CI	
P-4 FRP ASS	BLACK FRP, TYP	MARLITE	STANDARD FRP; PEBBLE SURFACE 4'X8' 3/32" THICK	P100 WHITE	N/A	-	CF/CI	
	DINIZ OLASS & SNEEZE CHADD	CARVART	02 COLOR	C145			CF/CI	
-1 GLASS OUT	PINK GLASS @ SNEEZE GUARD	UARVARI	02 COLOR	C145	<u> </u> -	-	UF/UI	
-2 GROUT	GROUT @ T-1 & T-2	MAPEI	ULTRA COLOR FR	IVORY	N/A		CF/CI	
TAL	GROOT @ 1-1 & 1-2	WAFEI	OLTRA COLOR FR	IVORT	INA	-	OF/OI	
SC-1 METAL	FOOTRAIL FINISH	BY GC	SATIN	BRASS	_	_	CF/CI	
-1 METAL	BRASS, TYP		SATIN	BRASS	_	_	CF/CI	
-2 METAL	BLACK CORRIGATED METAL @ MAIN BAR FACE	MOZ	POWDER COAT COLLECTION	BLACK SAND	.040" ALUMINUM	- -	CF/CI	
-3 METAL	METAL SCREEN @ MAIN BAR LIQUUR STORAGE	BY GC	-	BRASS	-	_	CF/CI	
T-4 METAL	METAL TRIM @ EXTERIOR SIGNAGE BAND	BY GC	_	TEAL	-	_	CF/CI	
AINT	METAL THIN & EXTENSION OF BAND	2.00		12.12	I		01701	
1 PAINT	WALL PAINT	SHERWIN WILLIAMS	SATIN	WHITE	N/A	SHERWIN WILLIAMS	CF/CI	
2 PAINT	WALL PAINT	SHERWIN WILLIAMS	EGGSHELL	HORIZON		BENJAMIN MOORE	CF/CI	
B PAINT	WALL PAINT	SHERWIN WILLIAMS	EGGSHELL	TRICORN BLACK	N/A	SHERWIN WILLIAMS	CF/CI	
PAINT	CEILING PAINT	SHERWIN WILLIAMS	FLAT	TRICORN BLACK		SHERWIN WILLIAMS	CF/CI	
PAINT	CEILING PAINT	SHERWIN WILLIAMS	FLAT	SATIN WHITE	N/A	SHERWIN WILLIAMS	CF/CI	
6 PAINT	PAINT @ DOOR AND DOOR FRAME	SHERWIN WILLIAMS	SEMI GLOSS	TRICORN BLACK	N/A	SHERWIN WILLIAMS	CF/CI	
PAINT	PAINT @ DOOR AND DOOR FRAME	SHERWIN WILLIAMS	SEMI GLOSS	WHITE	N/A	BENJAMIN MOORE	CF/CI	
B PAINT	EXTERIOR PAINT	SHERWIN WILLIAMS	SATIN	JOJOS CUSTOM MINT	N/A	SHERWIN WILLIAMS	CF/CI	
PAINT	CHALKBOARD PAINT @ WALLS	SHERWIN WILLIAMS	CHALKBOARD PAINT	TRICORN BLACK	N/A	-	CF/CI	
ASTIC LAMINATE					·		•	
-1 PLASTIC LAMINATE	PLASTIC LAMINATE	WILSONART	MATTE BLACK	SOLID BLACK, 1595	N/A	-	CF/CI	
.E								
1 TILE	PINK TERRAZZO TILE	CONCRETE COLLABORATIVE	VENICE TERRAZZO TILE	ALABASTER	GROUT TO BE GR-2	-	CF/CI	
2 TILE	WHITE SUBWAY TILE	DALTILE	COLOR WHEEL CLASSIC GLAZED CERAMIC	WHITE 0100	3 X 6 TILE FORMAT, RUNNING BOND	-	CF/CI	
RANSITION						1		
-1 TRANSITION	TILE TRANSITION	SCHLUTER	JOLLY	BRUSHED STAINLESS STEEL	CONTRACTOR TO COORDINATE SIZE	-	CF/CI	
-2 TRANSITION	COVE BASE	SCHLUTER	SCHLUTER COVE	BRUSHED STAINLESS STEEL	CONTRACTOR TO COORDINATE SIZE	-	CF/CI	
-3 TRANSITION	CONC TO EPOXY FLOOR TRANSITION	SCHLUTER	RONDEC	BRUSHED STAINLESS STEEL	CONTRACTOR TO COORDINATE SIZE	-	CF/CI	
ALL BASE	EDOW/WALL DISCUSSION CONTROL OF THE	TDD	TOD	OCUODETE CT W	LIATOU EDV.	T	05/01	
B-1 WALL BASE	EPOXY WALL BASE W/ INTEGRAL COVE BASE	TBD	TBD	CONCRETE GRAY	MATCH EPX-1	-	CF/CI	
B-1 WALL BASE		BY GC	PAINT GRADE WOOD	PRIMED FOR PAINT	P-6	-	CF/CI	
3-2 WALL BASE	BRASS WALL BASE @ BARS	BY GC	SATIN	BRASS	-	-	CF/CI	
OOD	DI AOV DAINTED MOCCO O MAIN DAD CUELLES	DV 00	DAINT ODADE WOOD	DI A OIZ	D.C.	T	05/01	
D-1 WOOD		BY GC	PAINT GRADE WOOD	BLACK	P-6	-	CF/CI	
D-2 WOOD	SOLID WOOD SHELVES @ PASTRY BAR SHELVES	-	WHITE OAK	-	-	-	CF/CI	
/D-3 WOOD	BUTCHER BLOCK	-	WHITE OAK	-	-	-	CF/CI	
/D-4 WOOD	BLACK PAINTED WOOD TRIM, TYP.	-	PAINT GRADE WOOD	P-6	-	-	CF/CI	

DESIGN ARCHITECT:

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CLIENT: JOJO'S SHAKE BAR

23 W HUBBARD ST CHICAGO, IL 60654

PROJECT NAME:

JOJO'S SHAKE BAR

LOCATION:

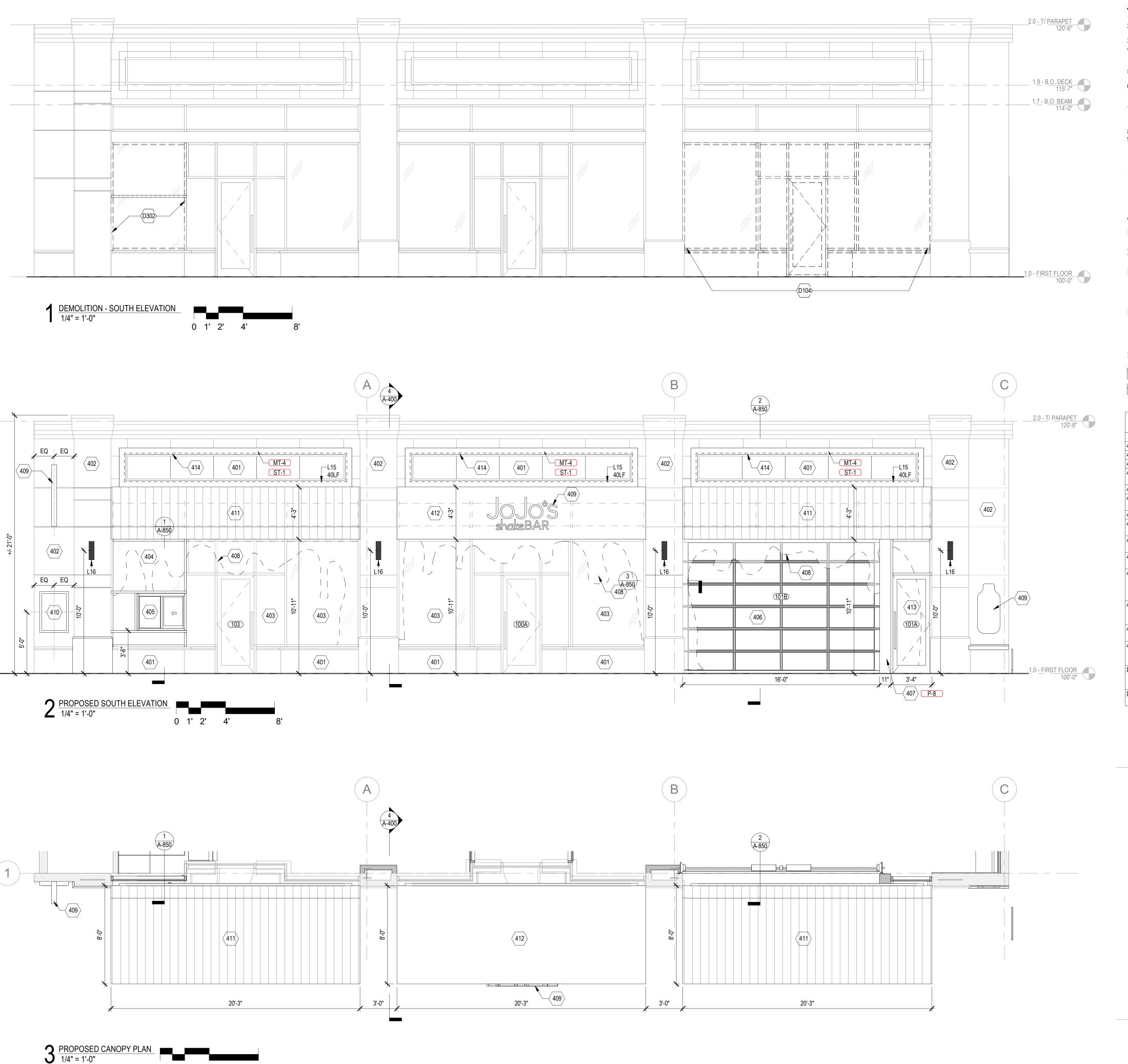
88 W COLUMBIA ST DETROIT, MI 48201

	DETITOTI, WII 10201	
ISSUE #	ISSUED FOR:	DATE
1	MEP BACKGROUNDS	09/02/2027
2	LANDLORD REVIEW	09/29/202
3	PERMIT / CONSTRUCTION	12/22/202



CLIENT APPROVAL: DATE:

FINISH SCHEDULE



0 1' 2' 4'

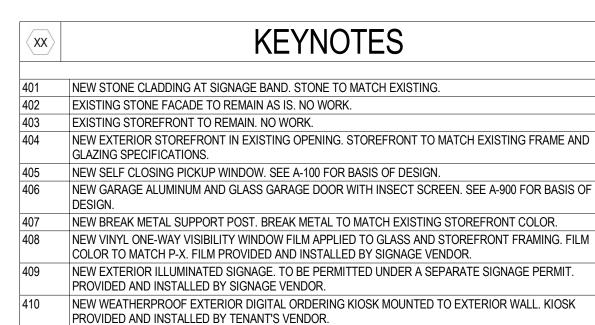
DEMOLITION GENERAL NOTES:

- 1. VERIFY EXTENT OF DEMOLITION WITH PROPOSED FLOOR PLANS.
- 2. PULL ANY DEMOLISHED WIRING BACK TO THE NEAREST JUNCTION BOX. PULL ANY DEMOLISHED PLUMBING LINES BACK TO THE NEAREST SUPPLY LINE AND CAP.
- PATCH ALL EXISTING WALLS AS REQUIRED. PROVIDE A SMOOTH SURFACE FOR NEW FINISHES. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTORS TO DETERMINE IN ACCORDANCE WITH ALL CODES AND OWNERS
- CRITERIA, ALL METHODS FOR CONSTRUCTION, DEMOLITION, AND ALL RELATED PROCEDURES. THE CONTRACTOR IS RESPONSIBLE FOR ALL MATTERS OF LIFE SAFETY RESULTING FROM ALL CONSTRUCTION AND DEMOLITION. 5. CONTRACTORS SHALL PERFORM THE DEMOLITION WORK IN ACCORDANCE WITH THE AMERICAN STANDARD SAFETY CODE
- 6. THE CONTRACTOR SHALL SCHEDULE HIS/HER WORK TO INSURE MINIMUM DISTURBANCE TO THE REMAINDER OF OCCUPIED SPACE(S). THE CONTRACTOR SHALL SUBMIT A DETAILED SCHEDULE OF WORK AT THE PRE-CONSTRUCTION MEETING. ALL UTILITY SHUTDOWNS SHALL BE COORDINATED WITH THE OWNER AND PROPERTY MANAGER.
- 7. ALL DEMOLITION WORK SHALL BE COORDINATED BY THE GENERAL CONTRACTOR. TIMING OF ALL DEMOLITION WORK SHALL BE COORDINATED BY THE GENERAL CONTRACTOR. CONTRACTORS SHALL COMPLY WITH ALL RULES AND REGULATIONS OF
- GOVERNMENTAL AUTHORITIES HAVING JURISDICTION OVER DEMOLITION WORK. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL DEMOLITION MATERIAL CONTRACTOR TO REPLACE OR CORRECT ANY AND ALL EXISTING CONSTRUCTION TO REMAIN, TO MATCH THAT DAMAGED BY
- CONSTRUCTION AND/OR INSTALLATION PROCESS AT NO ADDITIONAL COST TO THE OWNER. AFTER THE CONTRACTOR REMOVES THE PARTITIONS AND CEILING SYSTEM THE CONTRACTOR MUST CONTACT BOTH THE ARCHITECT AND BUILDING ENGINEER PRIOR TO FURTHER DEMOLITION FOR ANY QUESTIONS/CLARIFICATION REGARDING SYSTEMS TO REMAIN.
- 10. ALL ITEMS REMOVED AND NOT SCHEDULED TO BE REINSTALLED INCLUDING MILLWORK, DOORS, HARDWARE, SHELVING, LIGHT FIXTURES, THERMOSTATS, ETC. ARE TO BE TURNED OVER TO THE OWNER. IF THE OWNER CHOOSES NOT TO KEEP ANY OF THESE ITEMS CONTRACTOR SHALL DISCARD.

DEMOLITION LEGEND:



EXISTING WALL TO REMAIN



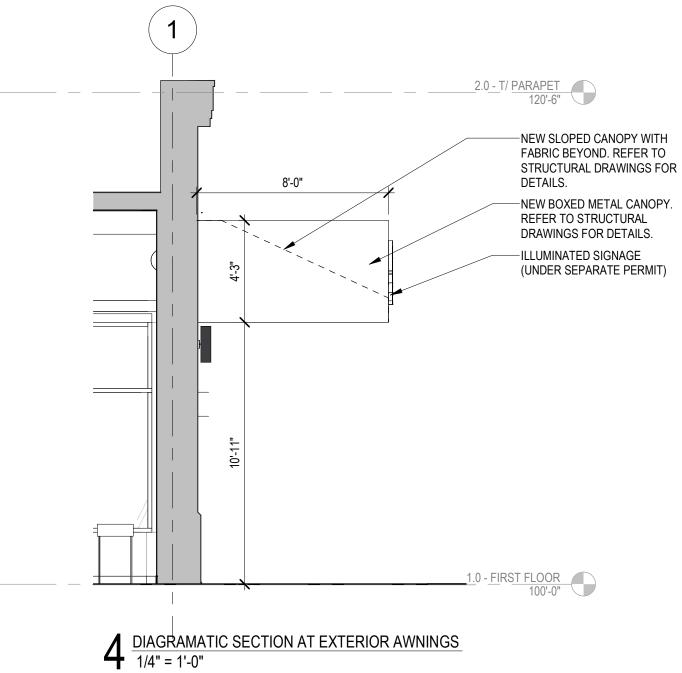
AREA OF DEMOLITION, REFER TO KEYNOTES

DRAWINGS FOR CANOPY DETAILS. NEW 8'-0" DEEP STEEL STRUCTURED CANOPY CLAD WITH PRE-FINISHED METAL PANELS. GC TO PROVIDE STRUCTURE, LIGHTING, HEATERS, AND POWER FOR SIGNAGE AT CANOPY. SEE A-110 FOR MORE INFORMATION. REFER TO STRUCTURAL DRAWINGS FOR CANOPY DETAILS. NEW EXTERIOR STOREFRONT. STOREFRONT TO MATCH EXISTING FRAMING AND GLAZING

NEW 8'-0" DEEP STEEL STRUCTURED SLOPED CANOPY CLAD WITH AWNING FABRIC. GC TO PROVIDE

STRUCTURE, LIGHTING, AND HEATERS AT UNDERSIDE OF AWNING. GC TO COORDINATE WITH TENANT'S FABRIC PROVIDER. SEE A-110 FOR MORE INFORMATION. REFER TO STRUCTURAL

- SPECIFICATIONS. NEW PRE-FINISHED METAL TRIM WITH CONCEALED EXTERIOR RATED LED TAPELIGHT. REFER TO LIGHT FIXTURE SCHEDULE FOR TAPELIGHT SPECIFICATIONS. REFER TO EXTERIOR DETAIL FOR
- FURTHER INFORMATION. REMOVE EXISTING STOREFRONT AND MASONRY WALL BELOW IN EXISTING OPENING. SALVAGE ANY STONE CLADDING. PREPARE OPENING FOR NEW GARAGE DOOR AND MAN DOOR. SEE
- CONSTRUCTION DRAWINGS FOR DETAILS. REMOVE EXISTING STOREFRONT WINDOWS AND PREPARE EXISTING OPENINGS FOR INSTALLATION OF NEW STOREFRONT WINDOWS.



DESIGN ARCHITECT:

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MEP ENGINEER:

ASFANDYAR KHAN 331.481.1616 | aykhan90@gmail.com

CLIENT: JOJO'S SHAKE BAR 23 W HUBBARD ST

PROJECT NAME:

CHICAGO, IL 60654

JOJO'S SHAKE BAR

LOCATION:

88 W COLUMBIA ST DETROIT MI 40004

DETROIT, MI 48201								
ISSUE #	DATE							
1	MEP BACKGROUNDS	09/02/2021						
2	LANDLORD REVIEW	09/29/2021						
3	PERMIT / CONSTRUCTION	12/22/2021						

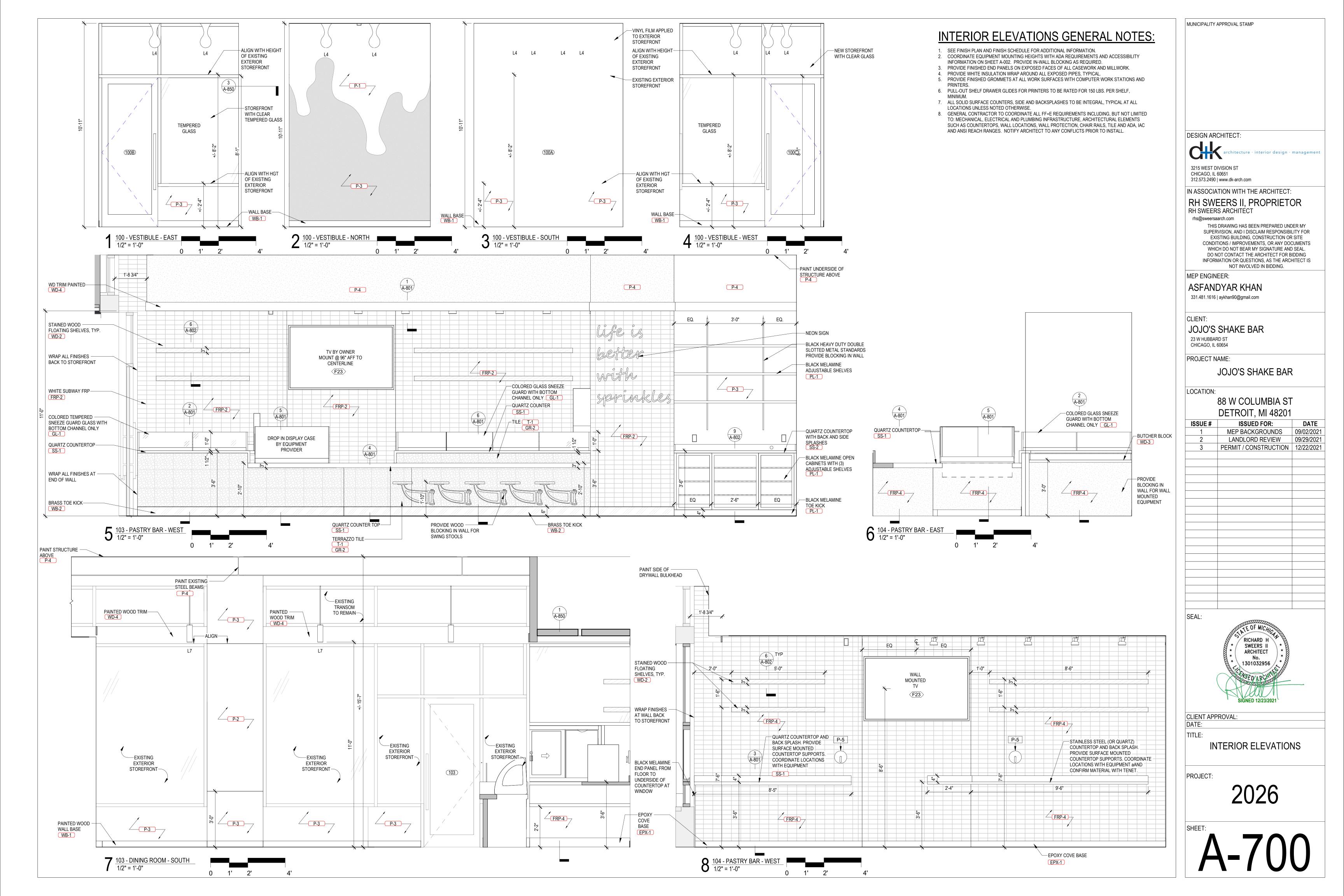
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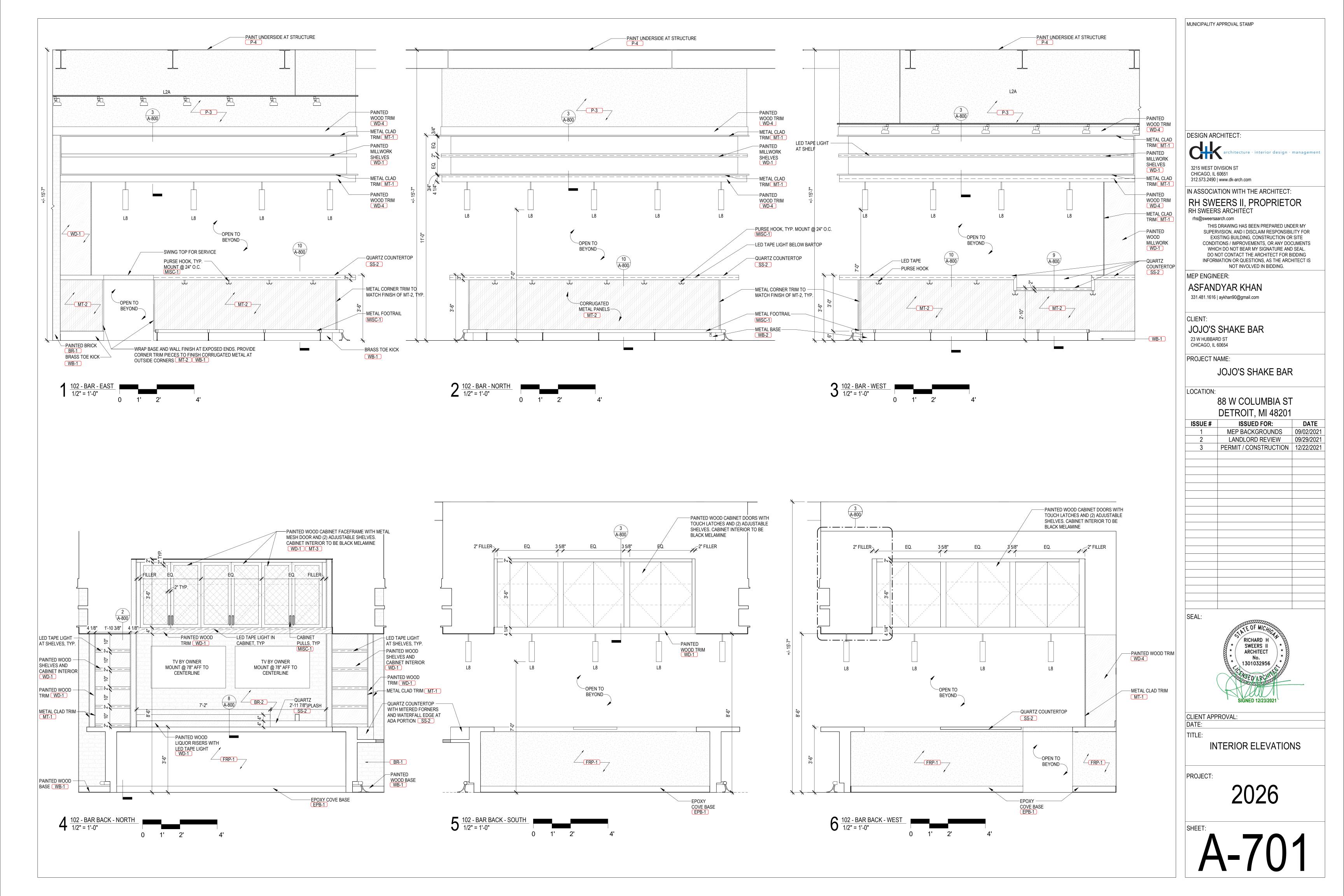


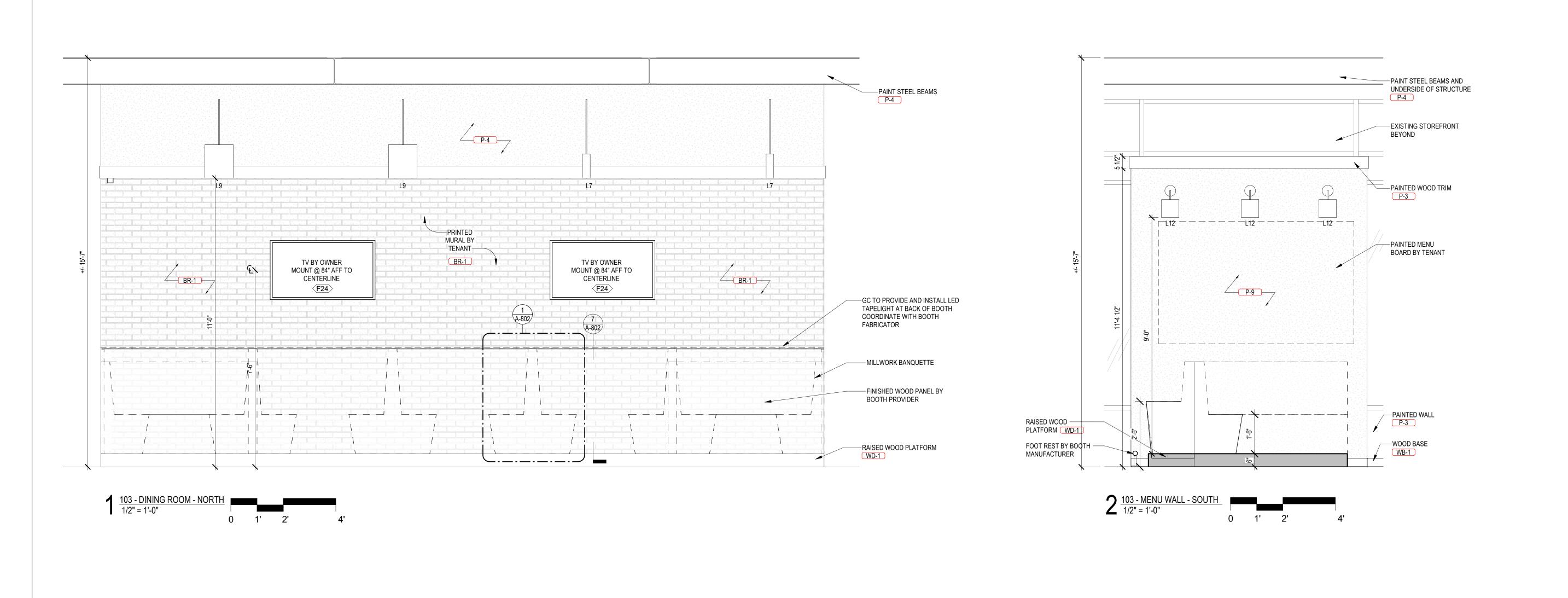
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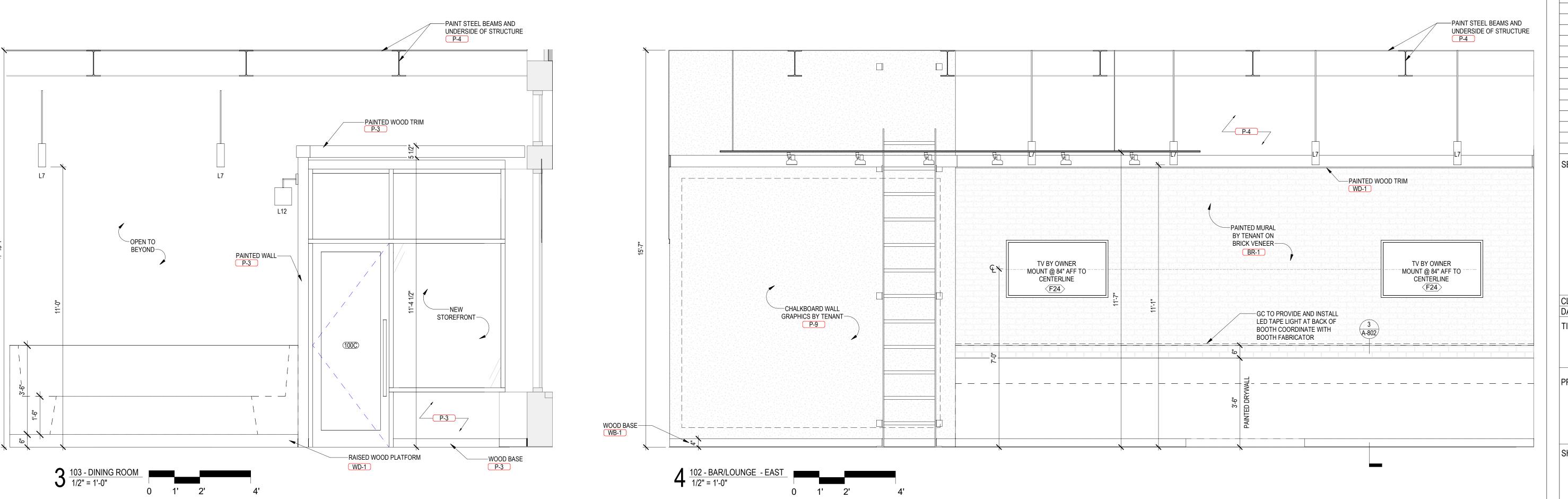
TITLE:

DEMOLITION AND PROPOSED **EXTERIOR ELEVATIONS**









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JOJO'S SHAKE BAR

23 W HUBBARD ST CHICAGO, IL 60654

PROJECT NAME:

CLIENT:

JOJO'S SHAKE BAR

88 W COLLIMBIA ST

88 W COLUMBIA ST										
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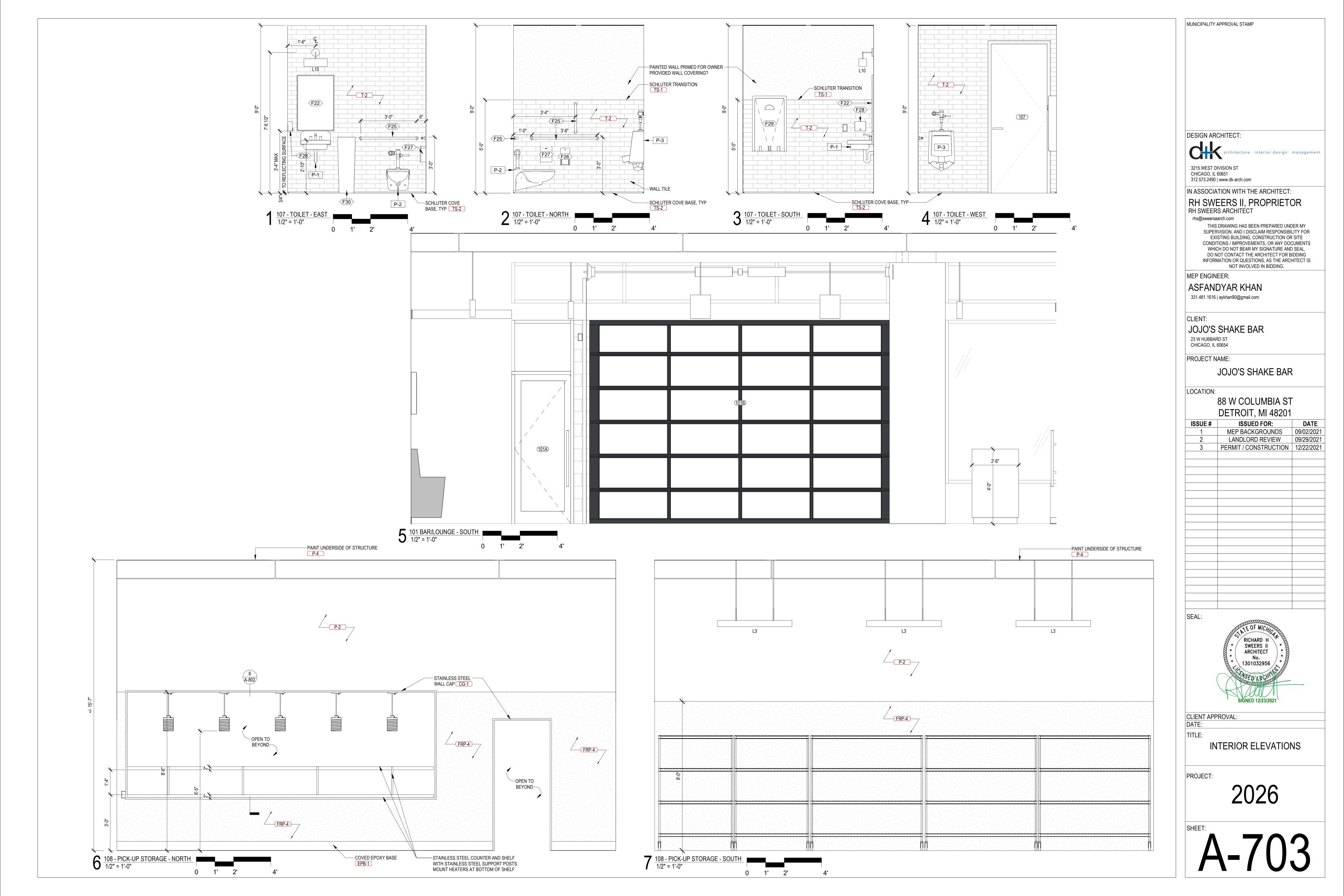
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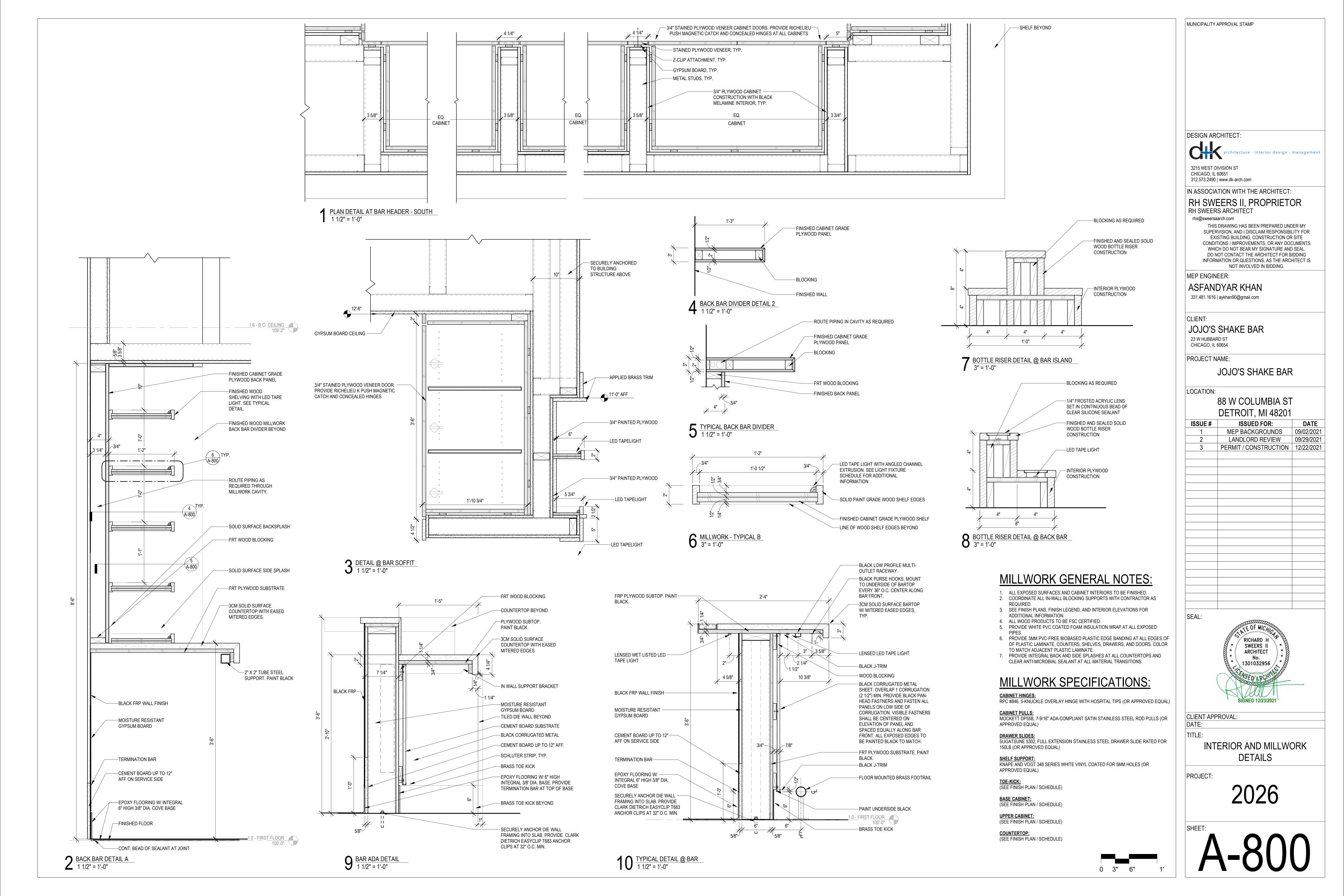
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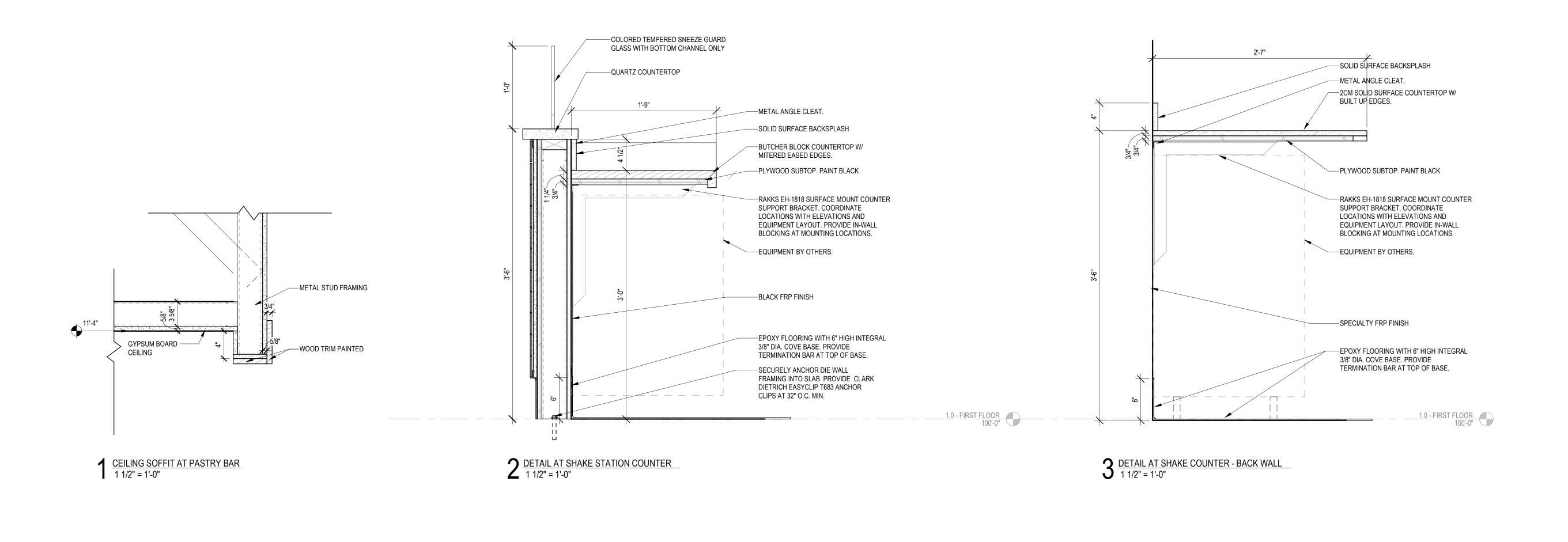
INTERIOR ELEVATIONS

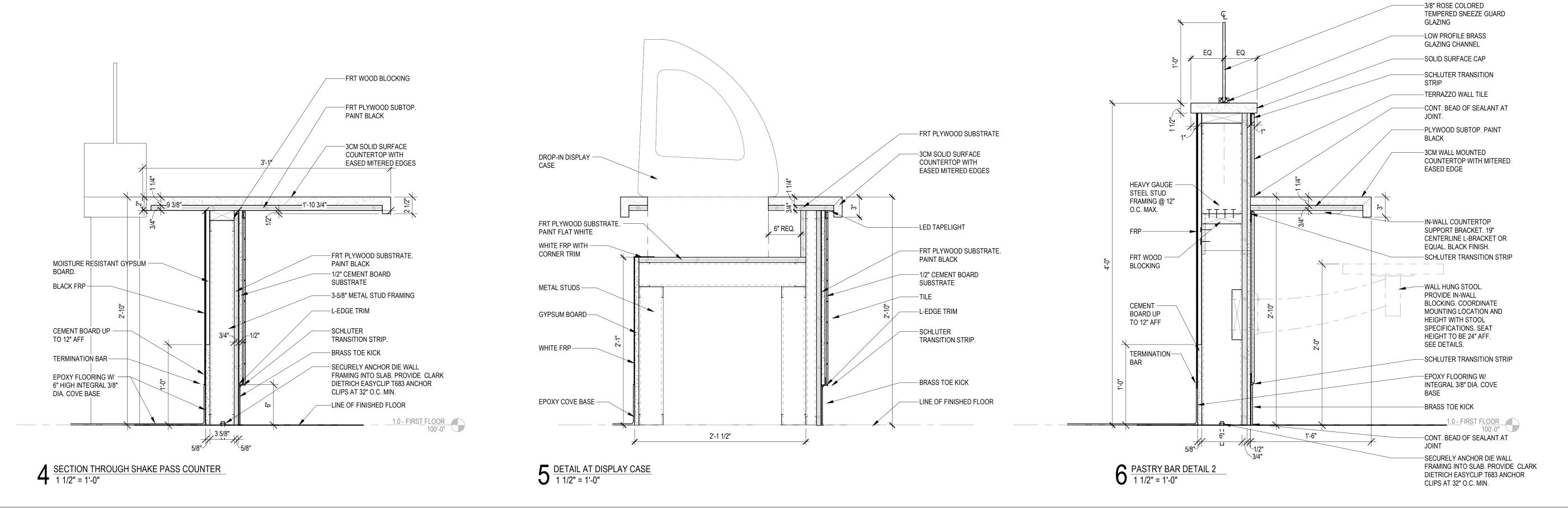
PROJECT:

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23 W HUBBARD ST CHICAGO, IL 60654

PROJECT NAME:

JOJO'S SHAKE BAR

88 W COLUMBIA ST

00 W COLUMBIA 31										
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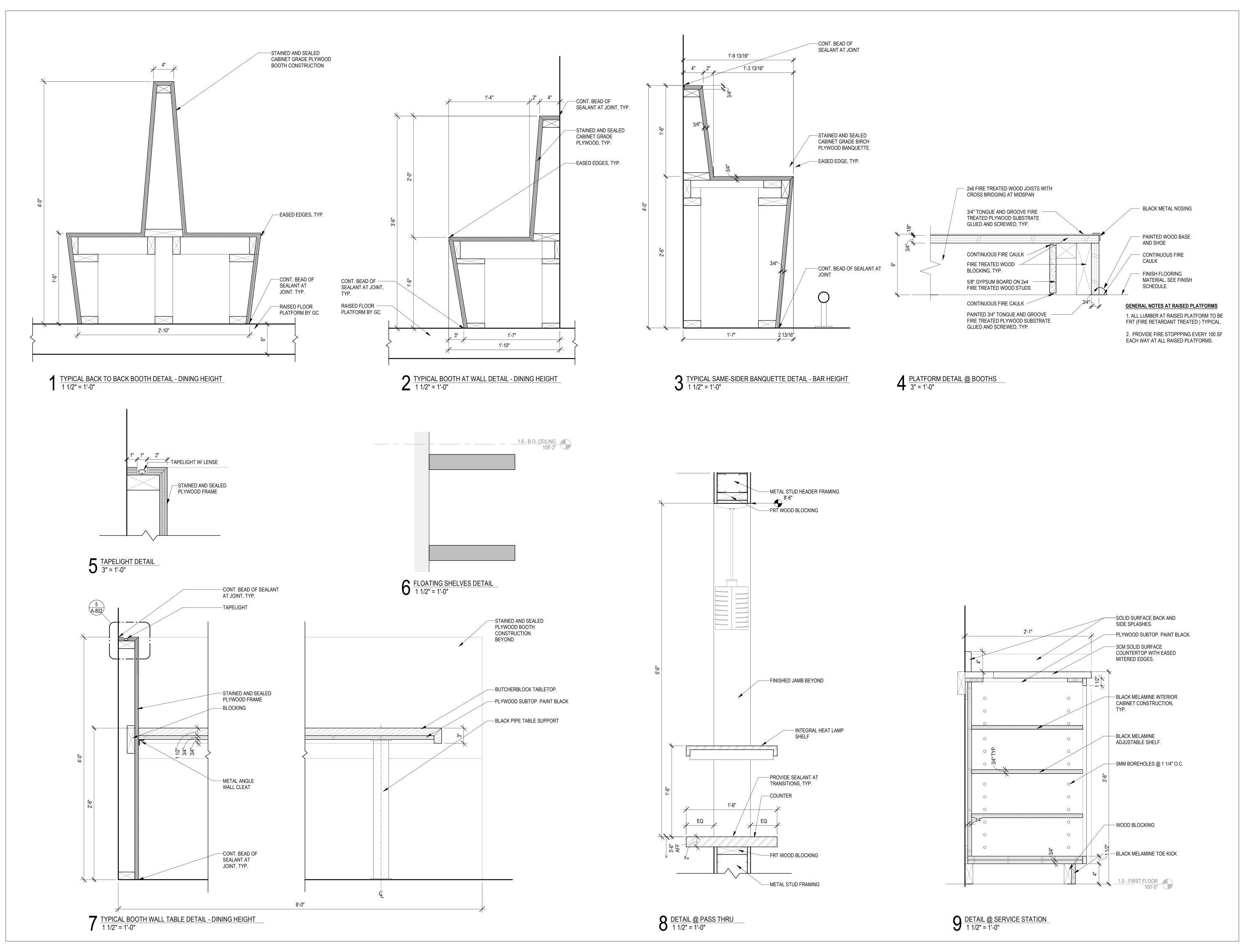
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TITLE:

INTERIOR AND MILLWORK **DETAILS**



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CLIENT:

JOJO'S SHAKE BAR 23 W HUBBARD ST CHICAGO, IL 60654

PROJECT NAME:

JOJO'S SHAKE BAR

LOCATION:

88 W COLUMBIA ST

DETROIT, MI 48201 ISSUE# **ISSUED FOR:** MEP BACKGROUNDS LANDLORD REVIEW PERMIT / CONSTRUCTION | 12/22/2021

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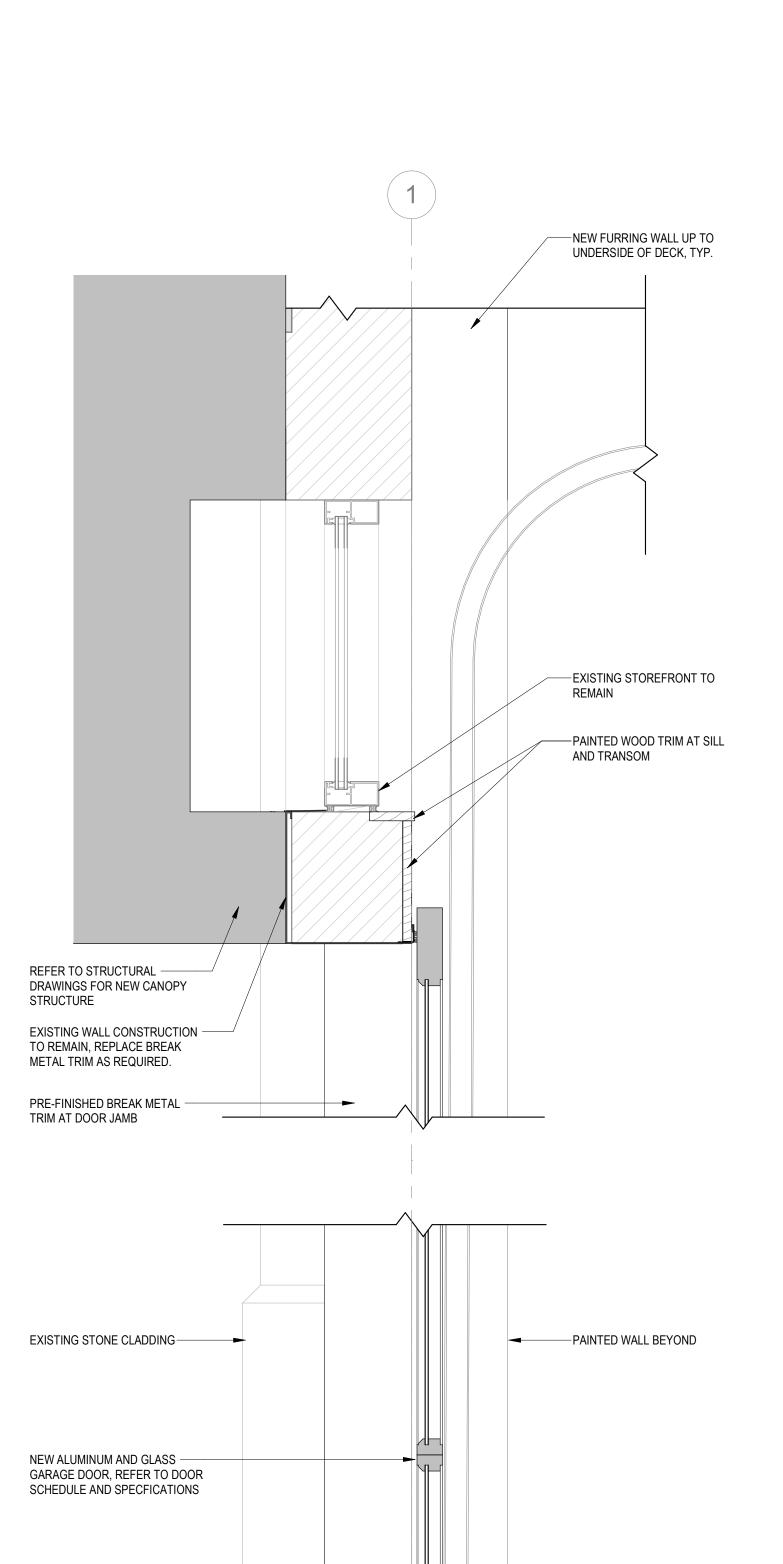
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TITLE:

INTERIOR AND MILLWORK **DETAILS**

-METAL STUDS SECURELY ANHCORED TO STRUCTURE ABOVE -METAL STUDS, TYP. 14'-0" AFF EXISTING STOREFRONT TO COORDINATE WITH MECH. EQUIP. PAINTED WOOD TRIM AT STOREFRONT SILL -METAL STUDS, TYP. -GYPSUM BOARD, TYP. 11'-0" AFF REFER TO STRUCTURAL -DRAWINGS FOR NEW CANOPY -PAINTED WOOD TRIM AT STRUCTURE BULKHEAD EXISTING WALL CONSTRUCTION TO REMAIN, REPLACE BREAK PAINTED WOOD TRIM AT METAL TRIM AS REQUIRED. TRANSOM NEW FIXED STOREFRONT -SECTION TO MATCH EXISTING NEW SELF-CLOSING PICKUP — WINDOW. PICK UP WINDOW BASIS OF DESIGN TO BE QUIKSERV SC-4030-LP DARK **BRONZE ALUMINUM** NEW FIXED STOREFRONT ——SECTION TO MATCH EXISTING -PAINTED WOOD TRIM AT STOREFRONT SILL WHITE FRP FINISH, REFER TO FINISH SCHEDULE FOR EXISTING WALL CONSTRUCTION TO REMAIN SPECIFICATIONS TERMINATION BAR AT TOP OF BASE. 0 <u>- FIRST FLOOR</u> 100'-0"

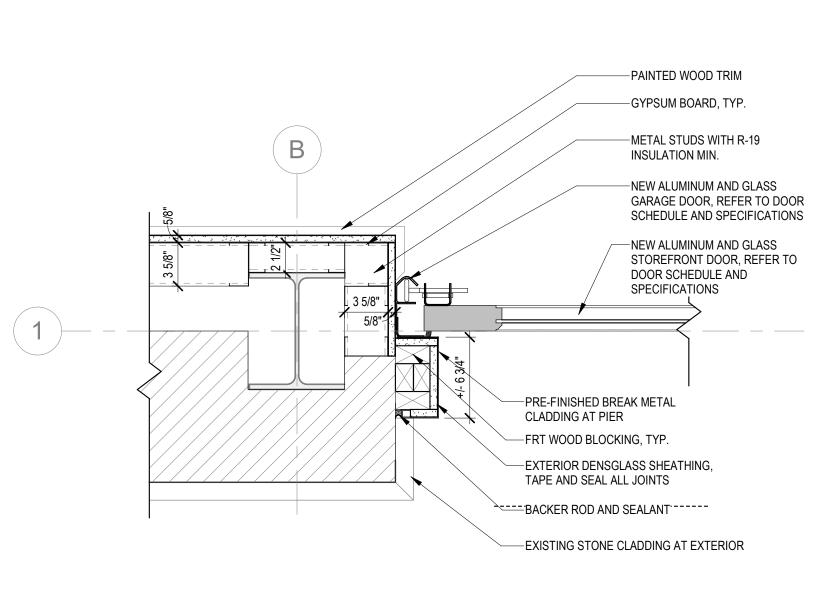
 $\frac{\text{DETAIL AT PICK-UP WINDOW}}{1 \text{ 1/2"} = 1'-0"}$



2 DETAIL AT GARAGE DOOR 1 1/2" = 1'-0"

-FINISHED WOOD BASE, TYP.

1.0 - FIRST FLOOR 100'-0"



1. ALL EXPOSED SURFACES TO BE FINISHED.

FIREGUARD SHEATHING OR ARCHITECT-APPROVED EQUAL.

2. ALL EXTERIOR WALL SHEATHING TO BE 5/8" GEORGIA PACIFIC, TYPE "X" DENSGLASS (GOLD)

4. PROVIDE CONTINUOUS FLUID-APPLIED VAPOR PERMEABLE MEMBRANE AIR-BARRIER, TREMCO EXOAIR 230 OR APPROVED ALTERNATE, TO EXTERIOR SIDE OF EXTERIOR GRADE GYPSUM BOARD,

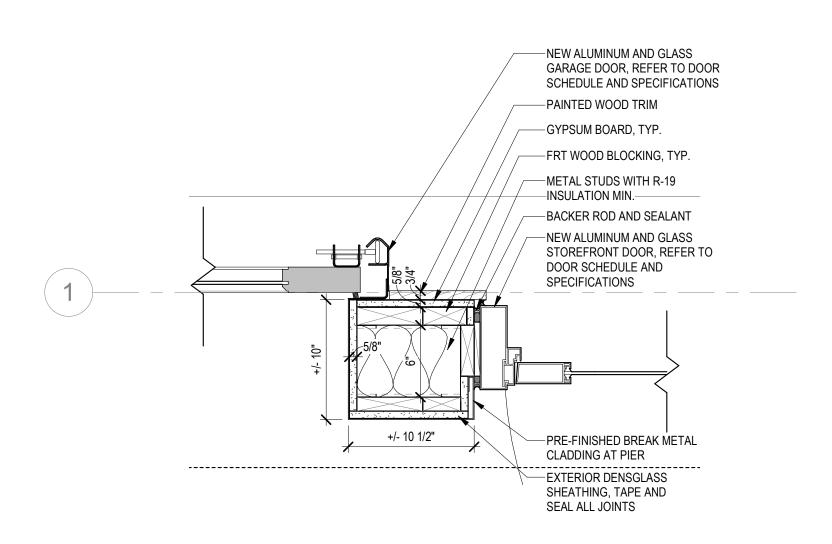
6. ALL EXTERIOR EXPOSED STRUCTURAL STEEL TO BE PRIMED AND PAINTED WITH EXTERIOR GRADE HIGH PERFORMANCE PAINT, TYPICAL. PRATT AND LAMBERT ACRYLIC HIGH PERFORMANCE PRIMER

AND ACRYLIC WB ENAMEL HIGH PERFORMANCE PAINT, OR ARCHITECT-APPROVED EQUAL.

5. ALL EXTERIOR WOOD, NOT SPECIFICALLY NOTED (INCLUDING FURRING), TO BE OF TYPE AND SPECIES TO WITHSTAND EXTERIOR CONDITIONS AND REQUIRED FIRE RATINGS.

3. PROVIDE WEEPS AT ALL EXTERIOR WALL SYSTEMS AND ASSEMBLIES AS REQUIRED.

3 JAMB DETAIL A AT GARAGE DOOR 1 1/2" = 1'-0"



 $4 \frac{\text{JAMB DETAIL B AT GARAGE DOOR}}{1 \frac{1}{2} = 1'-0"}$

DETAILS GENERAL NOTES:

DESIGN ARCHITECT:

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CLIENT:

JOJO'S SHAKE BAR

PROJECT NAME:

CHICAGO, IL 60654

JOJO'S SHAKE BAR

LOCATION:

88 W COLUMBIA ST

OO W OOLOWDINGOT									
	DETROIT, MI 48201								
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TITLE:

EXTERIOR WALL SECTIONS AND DETAILS

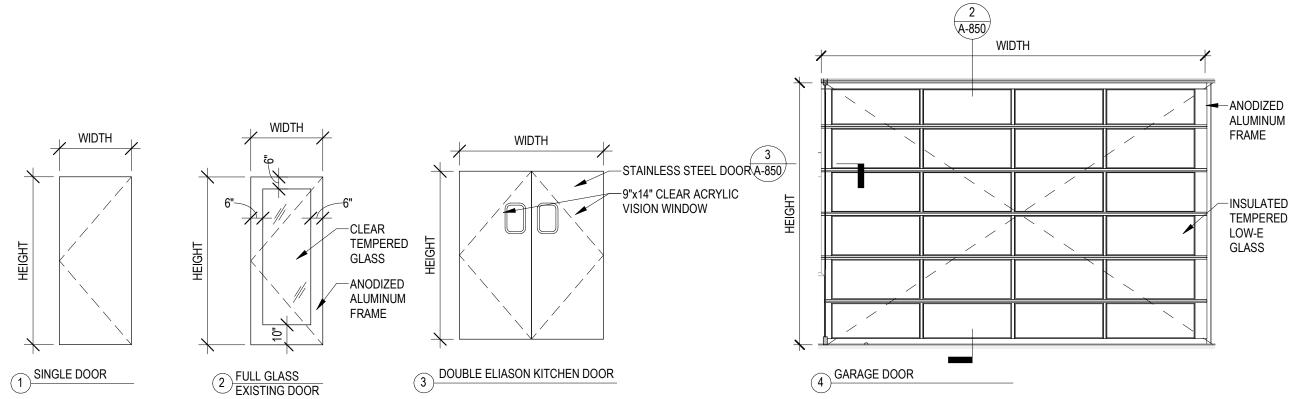
PROJECT:

2026

SHEET:

A-850

	DOOR SCHEDULE																
				DOOF	R				F	RAME		HARD	WARE		DOOR PR	OTECTION	
TAG	# OF LEAFS	WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FINISH	I TYPE	MATERIAL	FINISH	THICKNESS	HARDWARE SET	KNURLED HARDWARE	FIRE RATING	TYPE	SIDE	REMARKS
100A	1	3'-0"	8'-0"	2"	ETR	AL/GL	ETR	ETR	ALUM	ETR	-	SET 5					EXISTING DOOR, FRAME, AND HARDWARE TO REMAIN. NEW PULL.
100B	1	3'-0"	8'-0"	2"	2	AL/GL	DKB	Α	ALUM	DKB	2"	SET 1		-			
100C	1	3'-0"	8'-0"	2"	2	AL/GL	DKB	Α	ALUM	DKB	2"	SET 1		-			
101A	1	3'-0"	8'-0"	2"	ETR	AL/GL	ETR	Α	ALUM	ETR	2"	SET 6		-			RELOCATED DOOR AND HARDWARE WITH NEW FRAME & PULL.
101B		16'-0"	10'-11"	2 1/8"	4	AL/GL	DKB	-	-	-	-	-		-			GARAGE DOOR WITH INSECT SCREEN. SEE DOOR SPECIFICATIONS FOR INFORMATION. FINISH TO MATCH EXISTING STOREFRONT.
103	1	3'-0"	8'-0"	2"	ETR	AL/GL	ETR	ETR	ALUM	ETR	-	SET 5		-			EXISTING DOOR, FRAME, AND HARDWARE TO REMAIN. NEW PULL.
105	1	2'-6"	8'-0"	1 3/4"	1	WD	P-6	Α	НМ	P-6	2"	SET 3		-	KICK PLATE	OUTSIDE	
106	1	3'-0"	8'-0"	1 3/4"	1	WD	P-6	Α	НМ	P-6	2"	SET 2		-	MOP PLATE	BOTH	
107	1	3'-0"	8'-0"	1 3/4"	1	WD	P-6	Α	НМ	P-6	2"	SET 2		-	MOP PLATE	BOTH	
108	2	4'-0"	8'-0"	3/4"	3	SS	-	-	-	-	-	-		-			
110B	2	4'-0"	8'-0"	3/4"	3	SS	-	-	НМ	-	-	-		-			ELIASON KITCHEN DOOR. SEE DOOR SPECIFICATIONS FOR INFORMATION. HARDWARE BY MANUFACTURER.
110C	1	3'-6"	8'-0"	1 3/4"	ETR	WD	ETR	ETR	HM	P-7	-	SET 4		-	ETR		EXISTING DOOR, FRAME, AND HARDWARE TO REMAIN. NEW HARDWARE.
113	1	3'-0"	9'-0"	1 3/4"	ETR	WD	P-7	ETR	HM	P-7	_	ETR		-	ETR		EXISTING DOOR, FRAME, AND HARDWARE TO REMAIN. NEW FINISHES.



1	CONTINUOUS HINGE	HAGER	780-112HD	BLK	
2	OFFSET LADDER PULL	ROCKWOOD	RM3310 X 36"	BSP	
1	CLOSER W/ INTEGRAL STOP	LCN	4040XP SCUSH	693	
SET 2					
3	HINGES	HAGER	BB1279 (4.5" X 4.5")	693	
1	PRIVACY LOCK W/ OCCUPANCY INDICATOR	SCHLAGE	L9040 X LON X L283-722 X L583-363	622	
1	CLOSER	LCN	4050	693	
1	WALL STOP	ROCKWOOD	403	BSP	
2	MOP PLATE	ROCKWOOD	4" X 1" LDW	BSP	BOTH SIDES
3	HINGES	HAGER	BB1279 (4.5" X 4.5")	693	
SET 3					
1	STOREROOM LOCK	SCHLAGE	ND80 X LON	622	
1	CLOSER W/ H.O.	LCN	4050 H	693	
1	WALL STOP	ROCKWOOD	403	BSP	
1	KICK PLATE	ROCKWOOD	10" X 2" LDW	BSP	MOUNT ON OUTSIDE OF DOOR
SET 4	*ALL OTHER HARDWARE TO	DEMAIN			
1	RIM EXIT DEVICE	VON DUPRIN	99NL-OP	622/711	
1	CYLINDER	SCHLAGE	93NL-OF	622	AS REQUIRED
<u> </u>	CILINDER	SUNLAGE		022	AS REQUIRED
SET 5	*ALL OTHER HARDWARE TO	REMAIN			
1	OFFSET LADDER PULL	ROCKWOOD	RM3310 X 36"	BSP	MOUNT ON EXTERIOR OF DOOR. FILL EXISTING HOLES FROM PREVIOUS PL
1	CYLINDER	SCHLAGE		622	AS REQUIRED
SET 6	*ALL OTHER HARDWARE TO	BE REUSED			
1	OFFSET LADDER PULL	ROCKWOOD	RM3310 X 36"	BSP	MOUNT ON EXTERIOR OF DOOR. FILL EXISTING HOLES FROM PREVIOUS PL
1	CYLINDER	SCHLAGE		622	AS REQUIRED
1	SWEEP	NGP	160S X BLACK RETAINER	BLK	
	WEATHER CTRIPPING	NOD	1000 V DL AOV DETAINED	DLIZ	

-DOOR PANEL, SEE

-CAULK JOINT FULL

PERIMETER OF FRAME

-(3) ANCHORS PER JAMB

-HOLLOW METAL DOOR

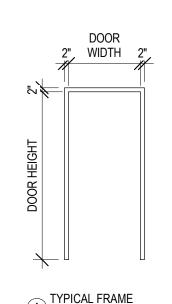
WALL THICKNESS

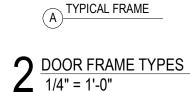
FRAME, 1" LARGER THAN

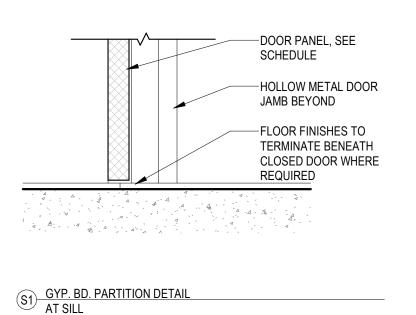
SCHEDULE

GYP. BD. PARTITION DETAIL
AT JAMB

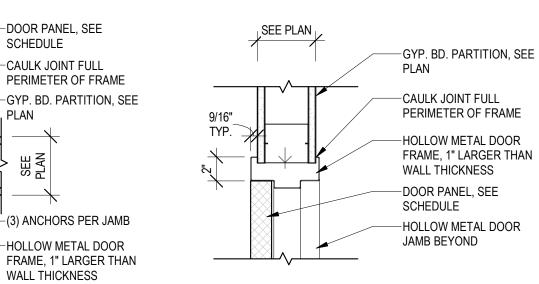
▲ DOOR PANEL TYPES 1/4" = 1'-0"











H1 GYP. BD. PARTITION DETAIL AT HEAD

DOOR HARDWARE SCHEDULE REMARKS DESCRIPTION

WEATHER STRIPPING 160S X BLACK RETAINER BLK THRESHOLD

NOTE: FIELD VERIFY EXISTING CONDITIONS TO ENSURE NEW HARDWARE COMPATIBILITY AS REQUIRED PRIOR TO ORDERING

DOOR AND HARDWARE GENERAL NOTES:

- SUBMIT ALL HARDWARE FOR APPROVAL. FINISHES TO BE FINALIZED BY ARCHITECT, CONTRACTOR TO VERIFY. 2. DOOR CONTRACTOR TO VERIFY THAT ALL HARDWARE ON EXISTING EXIT DOORS MEETS CURRENT CODE REQUIREMENTS AND IS IN GOOD OPERATING CONDITION. REPAIR AND/OR REPLACE AS REQUIRED.
- 3. DOORS IN PUBLIC BUILDINGS, OPENING INTO MECHANICAL, ELECTRICAL, OR ELEVATOR EQUIPMENT ROOMS, STAIRS, OR ENTRANCES TO VEHICULAR TRAFFIC AREAS, SHALL HAVE KNURLED OR MILLED HANDLES TO
- ALERT THE BLIND. 4. PROVIDE WALL BUMPER DOOR STOPS WHEREVER POSSIBLE. WHERE WALL STOPS ARE NOT POSSIBLE,
- PROVIDE OVERHEAD DOOR STOPS. NO FLOOR STOPS WILL BE ALLOWED. 5. ALL DOOR FRAMES TO HAVE SILENCERS; ROCKWOOD #608 OR APPROVED EQUAL
- 6. ALL DOORS USED IN CONNECTION WITH EXITS SHALL BE ARRANGED AS TO BE READILY OPENED WITHOUT THE USE OF A KEY FROM THE SIDE FROM WHICH EGRESS IS MADE. LOCKS, IF PROVIDED, SHALL NOT REQUIRE THE USE OF A KEY, TOOL. SPECIAL KNOWLEDGE OF EFFORT FOR OPERTION FROM THE INSIDE THE BUILDING. DOORS SHALL BE OPERABLE WITH NO MORE THAN ONE RELEASING OPERATION PER CODE REQUIREMENTS.
- 7. OPENING FORCE FOR ALL DOORS NOT TO EXCEED 8.5 LB/SF. IN ASSEMBLY UNITS, EXIT DOORS SERVING MORE THAN 200 PERSONS SHALL BE EQUIPPED WITH APPROVED LATCHES OR BOLTS WHICH RELEASE UNDER A PRESSURE OF 5 LBS.
- 8. DOOR HARDWARE FOR ALL COMMON USE AREAS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST TO OPERATE. EXCEPTION FOR LOCKS USED ONLY FOR SECURITY PURPOSES AND NOT USED FOR NORMAL USE ARE
- PERMITTED IN ANY LOCATION. 9. ALL ELECTRIC DEVICES MUST BE FAIL SECURE BUT ALLOW FOR FREE PASSAGE IN THE DIRECTION OF EGRESS.
- 10. PROVIDE SAFETY GLAZING AT ANY GLAZED DOOR AND SIDELIGHT PER CODE REQUIREMENTS. 11. NO ELECTRONIC OR ELECTROMAGNETIC LOCKING SYSTEM SHALL BE INSTALLED OR OPERATED WITHOUT
- PRIOR APPROVAL OF THE FIRE PREVENTION BUREAU 12. ALL B-LABEL DOORS ARE TO BE 1 1/2 HOUR RATED DOORS WITH PANIC HARDWARE.
- 13. HARDWARE SUPPLIER TO REVIEW ALL HARDWARE SETS FOR CONFLICTS BETWEEN HARDWARE OR WITH CODE COMPLIANCE AND NOTIFY ARCHITECT OF SUCH WITH PROPOSED SOLUTION. 14. ALL DOOR FRAMES SHALL BE 100% WELDED AND ANY REMAINING SEAMS SHALL BE FILLED AND GROUND SMOOTH. WELDED PLASTER GUARDS MUST BE PROVIDED AT THE BACK OF FRAME WHERE HARDWARE
- MORTISES OCCUR. 15. ALL RATED DOORS TO INCLUDE RATED FRAMES AND HARDWARE AS PART OF THE RATED ASSEMBLY.
- 16. ALL DOORS GREATER THAN 42" IN WIDTH SHALL USE (4) HINGES PER DOOR LEAF. 17. ALL STAIRWAY DOORS MUST REMAIN UNLOCKED AT ALL TIMES IN THE DIRECTION OF EGRESS.
- 18. THE BOTTOM OF ALL HOLLOW METAL DOORS SHALL HAVE AN INVERTED CAP. ALL SEAMS SHALL BE FILLED AND GROUND SMOOTH ON HOLLOW METAL DOORS.
- 19. DOOR KEYING TO COORDINATE WITH EXISTING BUILDING AND CLIENT REQUIREMENTS. 20. PROVIDE A NEW CYLINDER FOR EXISTING DOORS TO REMAIN.
- 21. ALL DOORS MUST HAVE A 32 INCHES CLEAR DOOR OPENING MEASURED FROM THE FACE OF THE DOOR WHEN
- IT IS OPENED 90% TO THE DOOR STOP PER ICC/ANSI A117.1-2003 CHAPTER 4.404. 22. ALL DOORS TO BE 4" FROM ADJACENT WALL INTERSECTION TO OUTSIDE FACE OF FRAME UNLESS NOTED
- OTHERWISE. 23. DOOR FRAMES ARE TO BE INSTALLED IN DIRECT COMPLIANCE WITH ANSI A250.11-2012 REQUIREMENTS.

DOOR AND HARDWARE FINISH NOTES:

- 1. NEW PREFINISHED WOOD DOORS TO BE THE FOLLOWING OR APPROVED EQUAL: GRAHAM PREMIUM FLUSH WOOD DOOR; SPECIES - BIRCH; VENEER CUT - SLICED.
- 2. ALL DOOR FRAMES TO BE PAINTED PER FINISH SCHEDULE.
- 3. ALL STOREFRONTS TO BE CLEAR ANODIZED ALUMINUM.
- 4. TYPICAL INTERIOR LEVER DESIGN TO BE SCHLAGE NEPTUNE IN SATIN NICKEL FINISH.

DOOR AND HARDWARE SPECIFICATIONS:

ACCEPTABLE MANUFACTURERS:

PHONE: 847.634.2828

LOCKS: SCHLAGE CYLINDERS & KEYING: SCHLAGE / MATCH EXISTING

CLOSERS: LCN / DORMA EXIT DEVICES: VON DUPRIN / DORMA RECESSED EXIT DEVICES: VON DUPRIN

NO SUBSTITUTIONS ARE PERMITTED WITHOUT APPROVAL BY THE ARCHITECT. VERIFY EXISTING HARDWARE REQUIREMENTS PRIOR TO BIDDING AND ORDERING.

PLEASE CONTACT JOHN LINZMEYER WITH LA FORCE FOR BIDDING PURPOSES

I. ALUMINUM AND GLASS EXTERIOR ENTRY DOORS AND STOREFRONT:

- MANUFACTURER: EFCO
- ALTERNATES: EFCO, KAWNEER, APPROVED EQUAL • MODEL: SERIES 403: 2" x 4 1/2" THERMALLY BROKEN STOREFRONT TO MATCH EXISTING PROFILE
- FINISH: DARK ANODIZED ALUMINUM TO MATCH EXISTING
- GLAZING: TEMPERED, INSULATED, LOW-E CLEAR GLASS; MATCHING EXISTING GLAZING
- II. ELIASON DOUBLE SWING KITCHEN DOORS:
- MANUFACTURER: ELIASON
- MODEL: SCP-3 STAINLESS STEEL TRAFFIC DOORS
- FINISH: STAINLESS STEEL WINDOW: STANDARD SCRATCH RESISTANT 9"X14" ACRYLIC VISION PANELS

III. GARAGE DOOR WITH INSECT SCREEN:

- **GARAGE DOOR:** MANUFACTURER: CLOPAY
- MODEL: 904 FINISH: DARK ANODIZED ALUMINUM TO MATCH EXISTING STOREFRONT
- GLAZING: INSULATED LOW-E TEMPERED GLASS. MATCH EXISTING TINT OF STOREFRONT
- INSECT SCREEN: MANUFACTURER: RAINIER
- MODEL: SERIES 6 SQUARE DESIGN
- FINISH: BLACK HARDWARE, RAINEER BUG AND SOLAR SCREEN *NOTE: MOUNT ON EXTERIOR SIDE OF GARAGE DOOR

QUALITY ASSURANCE STATEMENT:

- 1. FIRE-RATED DOOR ASSEMBLIES: WHERE FIRE-RATED DOOR ASSEMBLIES ARE INDICATED, PROVIDE DOOR HARDWARE RATED FOR USE IN ASSEMBLIES COMPLYING WITH NFPA 80 THAT ARE LISTED AND LABELED BY A QUALIFIED TESTING AGENCY, FOR FIRE-PROTECTION RATINGS INDICATED, BASED ON TESTING AT POSITIVE PRESSURE ACCORDING TO NFPA 252 OR UL 10C, UNLESS OTHERWISE INDICATED. PROVIDE POSITIVE LATCHING
- AND SELF CLOSING, REGARDLESS IF SPECIFIED IN SETS. 2. ITEMS OF HARDWARE NOT DEFINITELY SPECIFIED HEREIN BUT NECESSARY FOR COMPLETION OF THE WORK SHALL BE PROVIDED. SUCH ITEMS SHALL BE OF TYPE AND QUALITY SUITABLE TO THE SERVICE REQUIRED AND COMPARABLE TO THE ADJACENT HARDWARE. WHERE SIZE AND SHAPE OF MEMBERS IS SUCH AS TO PREVENT THE USE OF TYPES SPECIFIED, HARDWARE SHALL BE FURNISHED OF SUITABLE TYPES HAVING AS NEARLY AS PRACTICABLE THE SAME OPERATION AND QUALITY AS THE TYPE SPECIFIED. SIZES SHALL BE ADEQUATE FOR THE
- SERVICE REQUIRED. 3. INCLUDE SUCH NUANCES AS STRIKE TYPE, STRIKE LIP LENGTH, RAISED BARREL HINGES, MOUNTING BRACKETS, BLADE STOP SPACERS, SPECIAL TEMPLATES, FASTENERS, SHIMS, AND COORDINATION BETWEEN CONFLICTING PRODUCTS. ALL DOORS SHALL BE PROVIDED WITH A STOP.

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DESIGN ARCHITECT:

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IN ASSOCIATION WITH THE ARCHITECT: RH SWEERS II, PROPRIETOR

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CLIENT: JOJO'S SHAKE BAR

23 W HUBBARD ST CHICAGO, IL 60654

PROJECT NAME:

LOCATION:

88 W COLUMBIA ST

JOJO'S SHAKE BAR

DETROIT, MI 48201								
ISSUE#	DATE							
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2	LANDLORD REVIEW	09/29/2021						
3	PERMIT / CONSTRUCTION	12/22/2021						

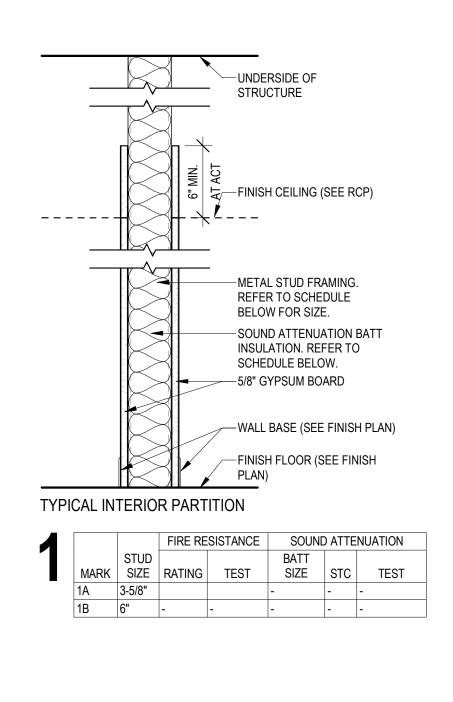
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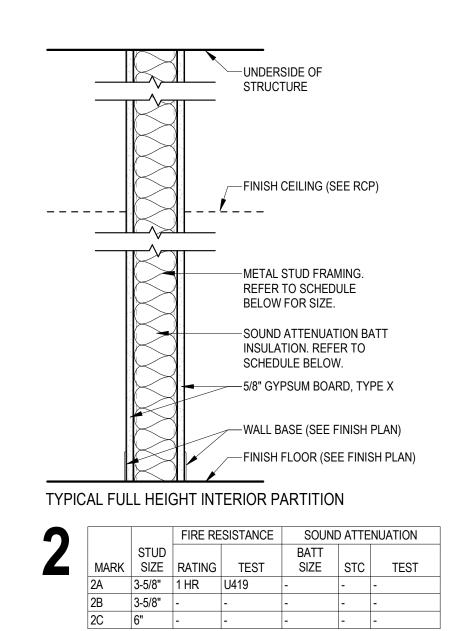


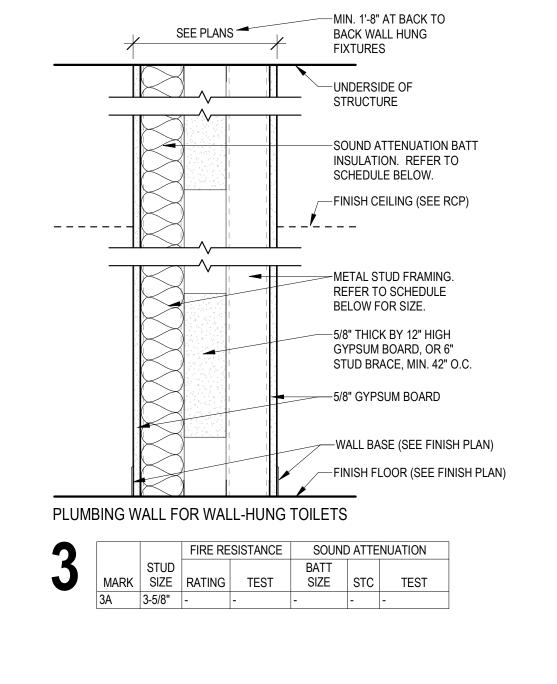
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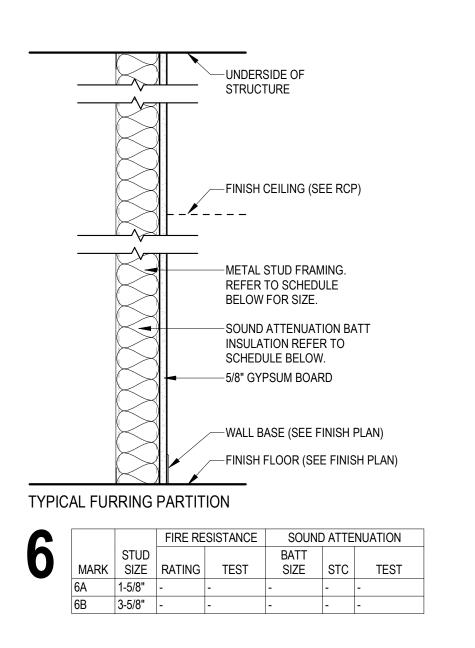
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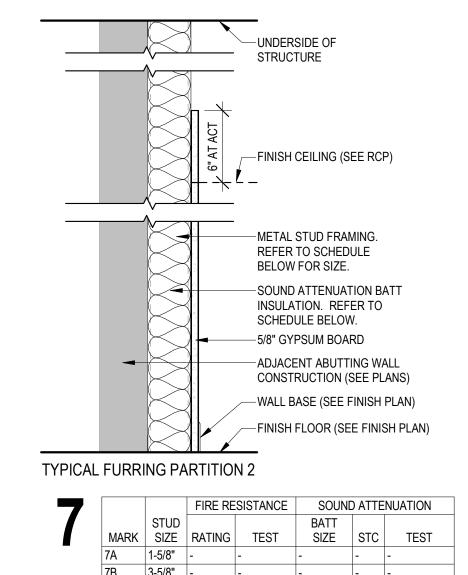
DOOR SCHEDULE, TYPES, AND **DETAILS**

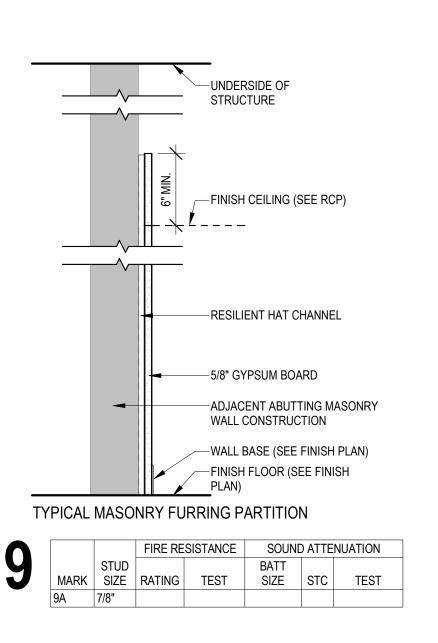












LIGHT GAUGE METAL FRAMING

STUD SIZE MATRIX FOR ALL INTERIOR METAL STUD PARTITIONS (ONE LAYER OF 5/8" GYPSUM BOARD EACH SIDE)

STUD DEPTH	FLANGE WIDTH	STUD GAUGE	STUD SPACING	MAXIMUM WALL HEIGHT SPANNING FROM FLOOR TO DECK
3 5/8"	1 5/8"	18 GAUGE	16" O.C.	16'-5"
4"	1 5/8"	18 GAUGE	16" O.C.	18'-4"
6"	1 5/8"	18 GAUGE	16" O.C.	24'-6"
3 5/8"	1 5/8"	20 GAUGE	16" O.C.	14'-3"
4"	1 5/8"	20 GAUGE	16" O.C.	15'-11"
6"	1 5/8"	20 GAUGE	16" O.C.	21'-4"
3 5/8"	1 5/8"	25 GAUGE	16" O.C.	12'-4"
4"	1 5/8"	25 GAUGE	16" O.C.	13'-4"
6"	1 5/8"	25 GAUGE	16" O.C.	17'-11"

VALUES PROVIDED FOR ALLOWABLE DEFLECTION OF L/360

PARTITION GENERAL NOTES:

- ALL IN-WALL WOOD BLOCKING TO BE FIRE TREATED.
- PROVIDE GREEN BOARD AT ALL DAMP LOCATIONS, PROVIDE CEMENT BOARD AT ALL WET LOCATIONS. TREAT ALL PENETRATIONS (DUCTS, PIPES, ETC.) THROUGH SOUND WALLS AND FIRE RATED WALLS AS REQUIRED TO MAINTAIN THE INTEGRITY OF THE WALL RATING AND MEET ALL CODE REQUIREMENTS
- 4. PROVIDE FIRE CAULK ON BOTH SIDES AT THE TOP AND BOTTOM OF ALL FIRE RATED WALL
- ASSEMBLIES
- 5. PROVIDE ACOUSTICAL CAULK ON BOTH SIDES AT THE TOP AND BOTTOM OF ALL STC RATED WALL
- 6. STAGGER OUTLETS IN RATED WALLS (1) STUD SPACE. AVOID BACK-TO-BACK CONDITIONS OR
- PROVIDE UL APPROVED PUTTY PACKS AS REQUIRED TO MAINTAIN RATING. 7. PROVIDE BENDS AND INSULATION AT ALL DUCT PENETRATIONS TO LIMIT SOUND TRANSMISSION
- 8. COORDINATE ALL FURRING PARTITIONS WITH PIPING AS REQ'D 9. PROVIDE SLOTTED DEFLECTION TRACK AT UNDERSIDE OF STRUCTURE
- 10. BRACE ALL FURRING WALLS BACK TO STRUCTURE AS REQ'D 11. PROVIDE CONTINUOUS VAPOR BARRIER AT WARM SIDE OF EXTERIOR WALLS

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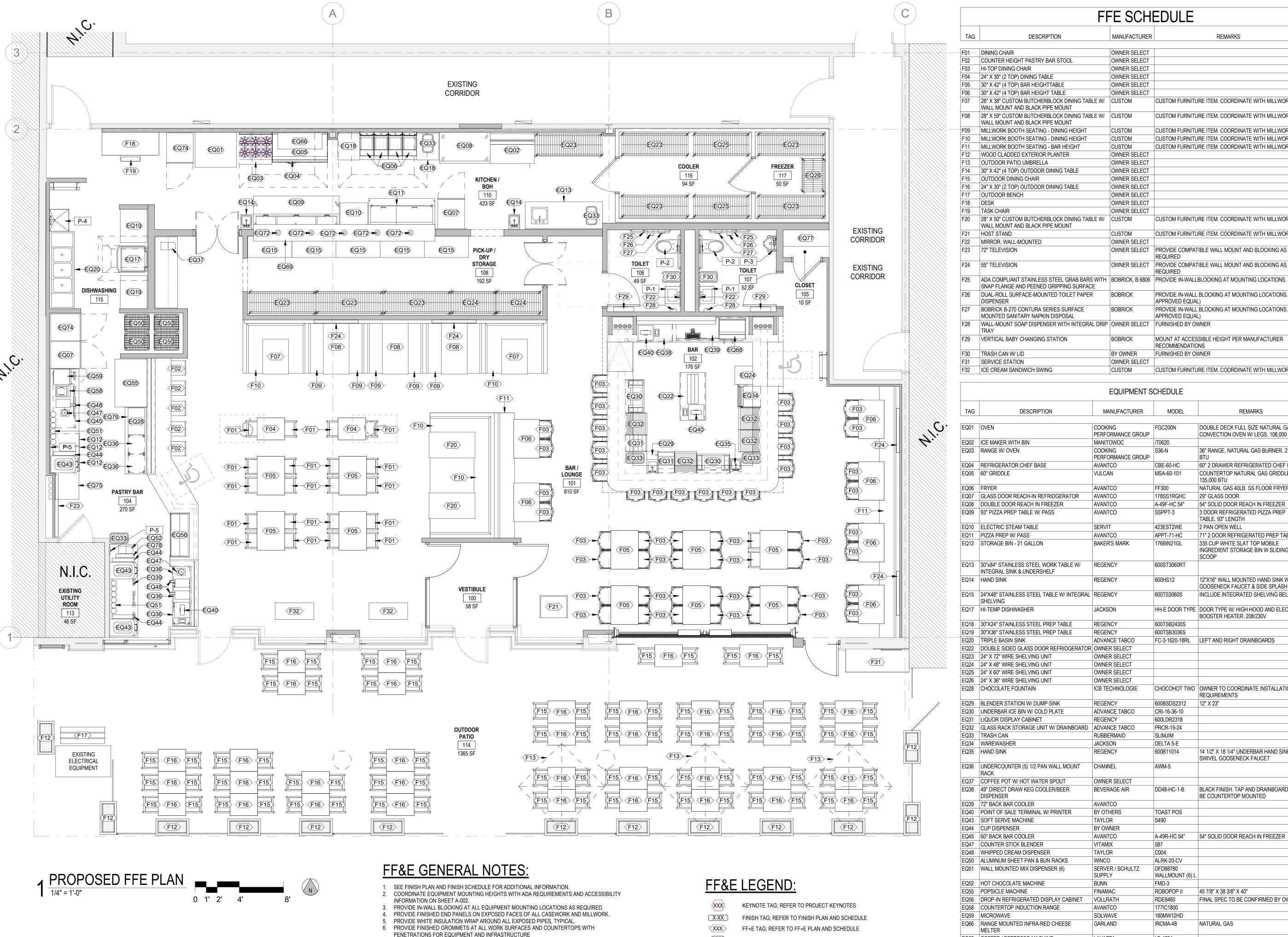
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TITLE:

PARTITION TYPES



7. PULL-OUT SHELF DRAWER GLIDES FOR PRINTERS TO BE RATED FOR 150 LBS. PER SHELF,

8. ALL SOLID SURFACE COUNTERS, SIDE AND BACKSPLASHES TO BE INTEGRAL, TYPICAL AT ALL

AND ANSI REACH RANGES. NOTIFY ARCHITECT TO ANY CONFLICTS PRIOR TO INSTALL.

GENERAL CONTRACTOR TO COORDINATE ALL FF+E REQUIREMENTS INCLUDING, BUT NOT LIMITED

TO: MECHANICAL, ELECTRICAL AND PLUMBING INFRASTRUCTURE, ARCHITECTURAL ELEMENTS

SUCH AS COUNTERTOPS, WALL LOCATIONS, WALL PROTECTION, CHAIR RAILS, TILE AND ADA, IAC

LOCATIONS UNLESS NOTED OTHERWISE. PROVIDE CLEAR ANTI-MICROBIAL SILICONE SEALANT AT

PROVIDE IN-WALL BLOCKING AT MOUNTING LOCATIONS. (OR | CF / CI DUAL-ROLL SURFACE-MOUNTED TOILET PAPER APPROVED EQUAL) BOBRICK B-270 CONTURA SERIES SURFACE PROVIDE IN-WALL BLOCKING AT MOUNTING LOCATIONS. (OR CF / CI MOUNTED SANITARY NAPKIN DISPOSAL APPROVED EQUAL) FURNISHED BY OWNER CF / CI WALL-MOUNT SOAP DISPENSER WITH INTEGRAL DRIP OWNER SELECT VERTICAL BABY CHANGING STATION MOUNT AT ACCESSIBLE HEIGHT PER MANUFACTURER CF / CI RECOMMENDATIONS OF / OI FURNISHED BY OWNER TRASH CAN W/ LID BY OWNER F31 SERVICE STATION OWNER SELECT OF / OI F32 ICE CREAM SANDWICH SWING CUSTOM CUSTOM FURNITURE ITEM. COORDINATE WITH MILLWORKER | OF / OI **EQUIPMENT SCHEDULE** FURNISH / DESCRIPTION MANUFACTURER MODEL REMARKS INSTALL EQ01 OVEN COOKING DOUBLE DECK FULL SIZE NATURAL GAS OF / CI FGC200N PERFORMANCE GROUP CONVECTION OVEN W/ LEGS. 108,000 BTU EQ02 | ICE MAKER WITH BIN MANITOWOC iT0620 OF / CI COOKING S36-N EQ03 RANGE W/ OVEN 36" RANGE, NATURAL GAS BURNER, 210,000 OF / CI PERFORMANCE GROUP EQ04 REFRIGERATOR CHEF BASE AVANTCO 60" 2 DRAWER REFRIGERATED CHEF BASE | OF / CI COUNTERTOP NATURAL GAS GRIDDLE. EQ05 60" GRIDDLE VULCAN MSA-60-101 OF / CI 135,000 BTU EQ06 FRYER AVANTCO NATURAL GAS 40LB. SS FLOOR FRYER OF / CI EQ07 GLASS DOOR REACH-IN REFRIDGERATOR AVANTCO 178SS1RGHC 29" GLASS DOOR OF / CI EQ08 DOUBLE DOOR REACH IN FREEZER AVANTCO 54" SOLID DOOR REACH IN FREEZER OF / CI EQ09 93" PIZZA PREP TABLE W/ PASS AVANTCO 3 DOOR REFRIGERATED PIZZA PREP OF / CI TABLE. 93" LENGTH SERVIT EQ10 ELECTRIC STEAM TABLE 2 PAN OPEN WELL EQ11 PIZZA PREP W/ PASS AVANTCO 71" 2 DOOR REFRIGERATED PREP TABLE OF / CI 335 CUP WHITE SLAT TOP MOBILE EQ12 | STORAGE BIN - 21 GALLON BAKER'S MARK 176BIN21GL OF / CI INGREDIENT STORAGE BIN W SLIDING LID & SCOOP EQ13 30"x84" STAINLESS STEEL WORK TABLE W/ OF / CI REGENCY 600ST3060RT INTEGRAL SINK & UNDERSHELF EQ14 HAND SINK 12"X16" WALL MOUNTED HAND SINK W/ REGENCY OF / CI GOOSENECK FAUCET & SIDE SPLASH EQ15 | 24"X48" STAINLESS STEEL TABLE W/ INTEGRAL | REGENCY INCLUDE INTEGRATED SHELVING BELOW SHELVING HH-E DOOR TYPE DOOR TYPE W/ HIGH HOOD AND ELECTRIC OF / CI EQ17 HI-TEMP DISHWASHER JACKSON BOOSTER HEATER. 208/230V EQ18 30"X24" STAINLESS STEEL PREP TABLE REGENCY 600TSB2430S OF / CI REGENCY 600TSB3036S EQ19 30"X36" STAINLESS STEEL PREP TABLE OF / CI EQ20 TRIPLE BASIN SINK ADVANCE TABCO FC-3-1620-18RL LEFT AND RIGHT DRAINBOARDS OF / CI EQ22 DOUBLE SIDED GLASS DOOR REFRIDGERATOR OWNER SELECT OF / CI EQ23 24" X 72" WIRE SHELVING UNIT OWNER SELECT OF / CI EQ24 24" X 48" WIRE SHELVING UNIT OWNER SELECT OF / CI **OWNER SELECT** OF / CI EQ25 24" X 60" WIRE SHELVING UNIT EQ26 24" X 36" WIRE SHELVING UNIT OWNER SELECT OF / CI EQ28 CHOCOLATE FOUNTAIN ICB TECHNOLOGIE CHOCOHOT TWO OWNER TO COORDINATE INSTALLATION OF / CI REQUIREMENTS OF / CI EQ29 BLENDER STATION W/ DUMP SINK 12" X 23" REGENCY 600BSDS2312 EQ30 UNDERBAR ICE BIN W/ COLD PLATE ADVANCE TABCO CRI-16-36-10 OF / CI EQ31 LIQUOR DISPLAY CABINET REGENCY 600LDR2318 OF / CI EQ32 GLASS RACK STORAGE UNIT W/ DRAINBOARD ADVANCE TABCO PRCR-19-24 OF / CI EQ33 TRASH CAN RUBBERMAID OF / CI SLIMJIM EQ34 WAREWASHER DELTA 5-E OF / CI JACKSON EQ35 HAND SINK REGENCY 600B11014 14 1/2" X 18 1/4" UNDERBAR HAND SINK W/ OF / CI SWIVEL GOOSENECK FAUCET EQ36 UNDERCOUNTER (5) 1/2 PAN WALL MOUNT OF / CI CHANNEL EQ37 | COFFEE POT W/ HOT WATER SPOUT OWNER SELECT OF / CI EQ38 49" DIRECT DRAW KEG COOLER/BEER BEVERAGE AIR DD48-HC-1-B BLACK FINISH. TAP AND DRAINBOARD TO OF / CI BE COUNTERTOP MOUNTED DISPENSER EQ39 72" BACK BAR COOLER AVANTCO OF / CI EQ40 POINT OF SALE TERMINAL W/ PRINTER BY OTHERS TOAST POS OF / CI EQ43 SOFT SERVE MACHINE TAYLOR S490 OF / CI OF / CI EQ44 | CUP DISPENSER BY OWNER EQ45 60" BACK BAR COOLER AVANTCO A-49R-HC 54" 54" SOLID DOOR REACH IN FREEZER OF / CI EQ47 COUNTER STICK BLENDER VITAMIX OF / CI EQ48 WHIPPED CREAM DISPENSER TAYLOR OF / CI EQ50 ALUMINUM SHEET PAN & BUN RACKS WINCO ALRK-20-CV OF / CI SERVER / SCHULTZ DFD88780 OF / CI EQ51 | WALL MOUNTED MIX DISPENSER (6)

SUPPLY

FINAMAC

VOLLRATH

AVANTCO

SOLWAVE

GARLAND

LAVAZZA

HATCO

AVANTCO

REGENCY

BY OWNER

OWNER SELECT

OWNER SELECT

EQ68 | COFFEE / ESPRESSO MACHINE

EQ72 HEAT LAMPS AT PASS LINE

EQ77 BAG-IN-BOX

EQ69 INTEGRATED HEAT LAMP AT SHELF

EQ74 GLASS DOOR REACH-IN FREEZER

EQ75 CUSTOM STAINLESS STEEL PREP

EQ78 HOT CHOCOLATE CUP DISPENSER

TABLE/COUNTER W/ BACKSPLASH

EQ76 72" X 24" STAINLESS STEEL WORK TABLE

BUNN

WALLMOUNT (6)

45 7/8" X 38 3/8" X 40"

NATURAL GAS

29" GLASS DOOR

FINAL SPEC TO BE CONFIRMED BY OWNER

SPEC TO BE CONFIRMED BY OWNER

COORDINATE WITH EQUIPMENT

SPECIFICATIONS AND HEIGHTS

ROBOPOP II

180MW12HD

IRCMA-48

LB-4734

DL-700-RL

600TS3072S

RDE8460

177IC1800

FMD-3

FFE SCHEDULE

MANUFACTURER

OWNER SELECT

OWNER SELECT

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REMARKS

CUSTOM FURNITURE ITEM. COORDINATE WITH MILLWORKER OF / OI

CUSTOM FURNITURE ITEM. COORDINATE WITH MILLWORKER | OF / OI

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PROVIDE COMPATIBLE WALL MOUNT AND BLOCKING AS

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CLIENT APPROVAL:

OF / CI

TITLE:

FFE PLAN

PROJECT:

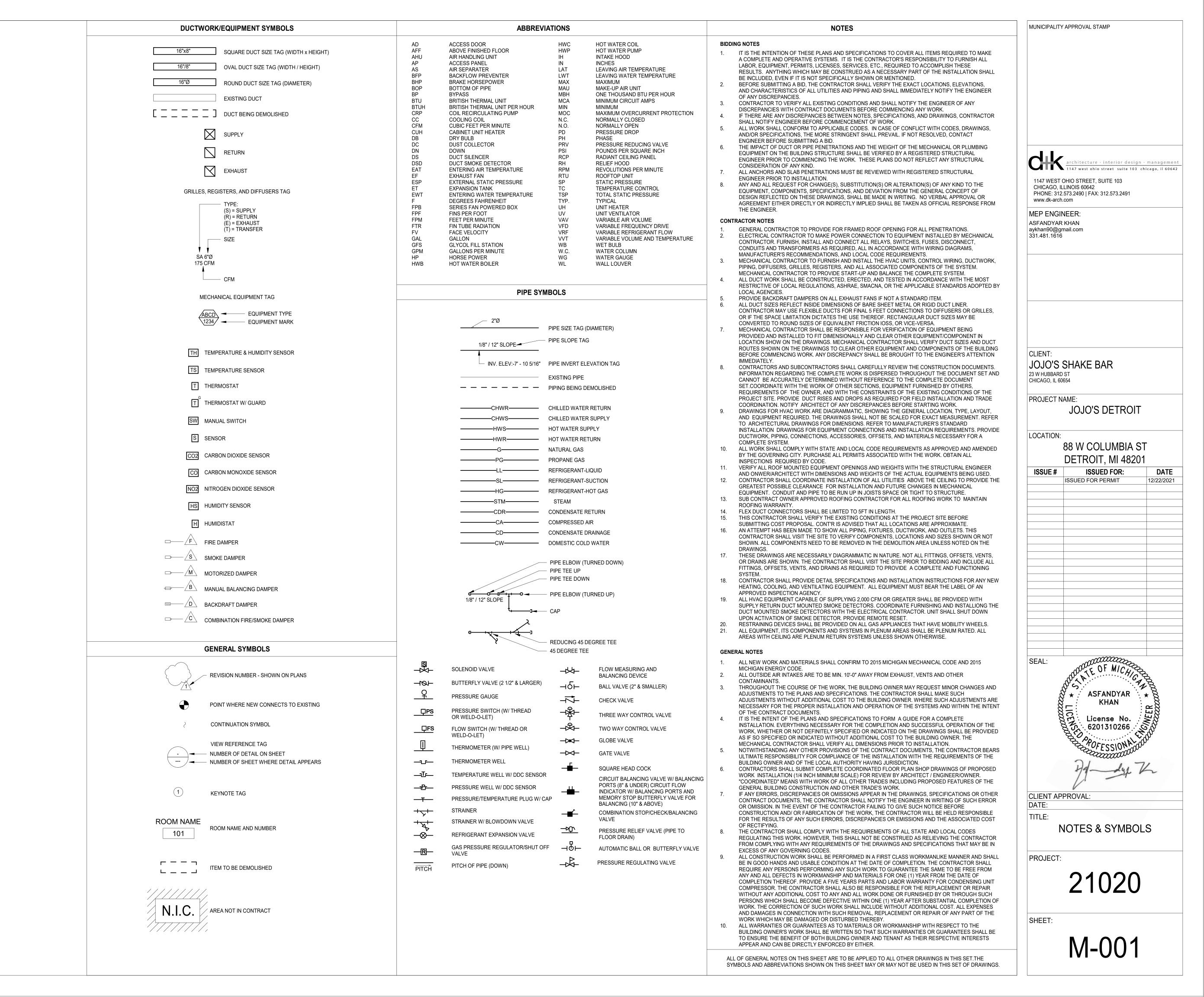
(XXX) DOOR TAG; REFER TO DOOR SCHEDULE AND FLOOR PLANS

OWNER FURNISHED / CONTRACTOR INSTALLED

OWNER FURNISHED / OWNER INSTALLED

CONTRACTOR FURNISHED / OWNER INSTALLED

CONTRACTOR FURNISHED / CONTRACTOR INSTALLED



GENERAL NOTES

ALL EXISTING INFORMATION IS SHOWN FOR COORDINATION PURPOSES ONLY. VERIFY SIZES AND LOCATION PRIOR TO WORK. IF THERE ARE ANY MAJOR DISCREPANCIES CONTACT OWNER/ENGINEER PRIOR TO PROCEEDING.

(#) KEYNOTES

1 EXISTING GAS PIPE TO REMAIN.

EXISTING SUPPLY DUCT FROM RTU TO REMAIN. 3 EXISTING RETURN DUCT FROM RTU TO REMAIN.

4 EXISTING RETURN DUCT W/ RETURN OPENING TO REMAIN.

DEMO EXISTING RETURN DUCT SHOWN DAHSED. PREP RETURN DROP FOR CONNECTION TO NEW DUCTWORK.

6 EXISTING DUCTWORK DROP TO BE DEMOLISHED. ENLARGE OPENING TO ACCOMODATE NEW DUCT DROP. REFER TO NEW PLANS. COORDINATE ROOF WORK WITH LANDLORD.

7 EXISTING DUCT DROP TO REMAIN. PREP FOR CONNECTION TO NEW DUCTWORK.

8 EXISTING DUCT DROP TO REMAIN. DEMO DUCT FURTHER BACK TO THE ROOF PENETRATION IF REQUIRED TO ACCOMODATE NEW DUCTWORK.

9 EXISTING DUCT TO REMAIN.

10 DEMO EXISTING GAS PIPING SHOWN DASHED.

11 DEMO EXISTING AS PIPING SERVING RTU AND FUTURE MAU. LEAVE FINAL GAS CONNECTION TO RTU ALONG WITH THE ACCESSORIES AND PREP FOR CONNECTION TO NEW GAS PIPE.

12 DEMO GAS PIPE ALL THE WAY BACK TO THE METER. PREP METER FOR CONNECTION TO NEW GAS PIPE.

13 EXISTING THERMOSTAT TO BE RELOCATED. REFER TO NEW PLANS TO DETERMINE CONTROL OF NEW RTU. IF EXISTING THERMOSTAT IS NOT CAPABLE OF CONTROL MENTIONED THEN PROVIDE NEW COMPATIBLE

14 EXISTING THERMOSTAT TO BE RELOCATED. REFER TO NEW PLANS.

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MUNICIPALITY APPROVAL STAMP

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MEP ENGINEER: ASFANDYAR KHAN aykhan90@gmail.com 331.481.1616

www.dk-arch.com

CLIENT:

JOJO'S SHAKE BAR 23 W HUBBARD ST CHICAGO, IL 60654

PROJECT NAME:

JOJO'S DETROIT

LOCATION:

88 W COLUMBIA ST DETROIT, MI 48201

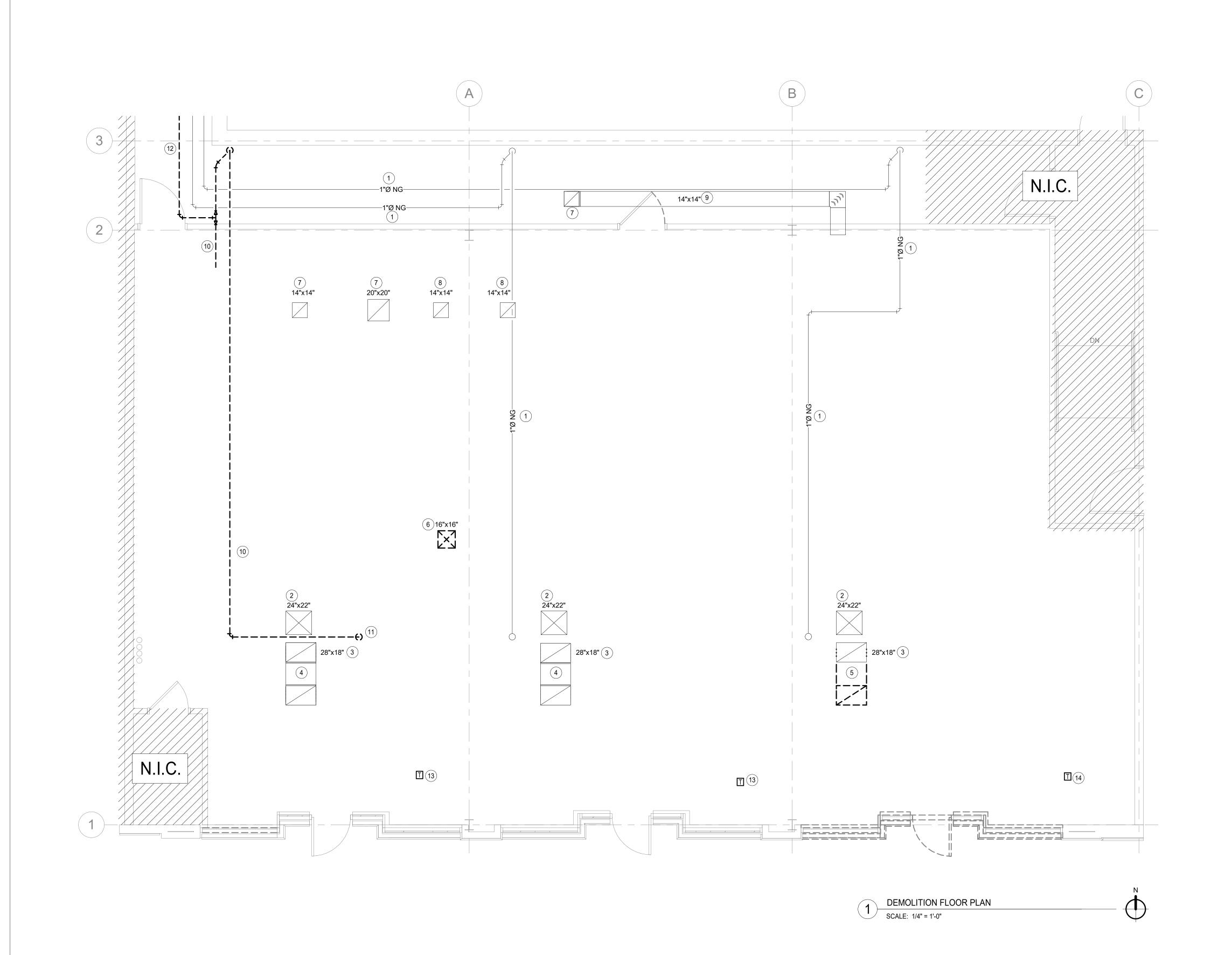
ISSUED FOR: ISSUE # ISSUED FOR PERMIT 12/22/2021

CLIENT APPROVAL: DATE: TITLE:

DEMOLITION FLOOR PLAN

21020

MD-101



GENERAL NOTES

ALL EXISTING INFORMATION IS SHOWN FOR COORDINATION PURPOSES ONLY. VERIFY SIZES AND LOCATION PRIOR TO WORK. IF THERE ARE ANY MAJOR DISCREPANCIES CONTACT OWNER/ENGINEER PRIOR TO PROCEEDING.

- EXISTING DUCT UP THRU ROOF. CONNECT DUCT TO NEW EXHAUST FAN.
- EXISTING DUCT TO REMAIN. CONNECT DUCT TO SUPPLY RISERS ON THE HOOD. REFER TO HOOD

(#) KEYNOTES

- SCHEDULE FOR SIZES AND CFM FOR BALANCING.
- KITCHEN EXHAUST DUCT. SLOPE MIN. 1/4"/12" IN THE DIRECTION OF THE HOOD. EXISTING DUCT UP THRU ROOF TO REMAIN. TERMINATE DUCT CLOSER TO ROOF DECK IF REQUIRED TO ROUTE NEW DUCTWORK UNDERNEATH.
- 6 SUPPLY & RETURN DUCT UP TO EXISTING RTU. 7 EXISTING RETURN DUCT W/ RETURN OPENING TO REMAIN.
- 8 MAKEUP AIR DUCT UP THRU ROOF. USE EXISTING OPENING. ENALRGE OPENING AS REQUIRED TO ACCOMODATE NEW DUCTWORK. COORDINATE ROOF WORK WITH LANDLORD.
- 9 CONCENTRIC VENT SERVING WATER HEATER UP THRU ROOF. REFER TO MANUFACTURE RECOMMENDATIONS FOR MATERIAL, CONNECTION TO WATER HEATER AND TERMINATION REQUIREMENTS.
- 10 MOUNT DUCT AS HIGH AS POSSIBLE. AVOID CONFLICT WITH THE COOLER. OFFSET EXISTING DUCT UP AS REQUIRED TO AVOID CONFLICT WITH COOLER
- MOUNT DUCT HIGHER THAN THE DISPLACE CABINET. DUCT IS TO NOT BE IN CONFLICT WITH THE GARAGE DOORS.



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MUNICIPALITY APPROVAL STAMP

JOJO'S SHAKE BAR

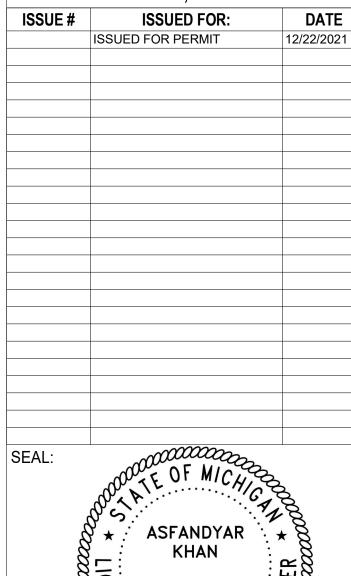
CHICAGO, IL 60654

23 W HUBBARD ST

PROJECT NAME: JOJO'S DETROIT

LOCATION:

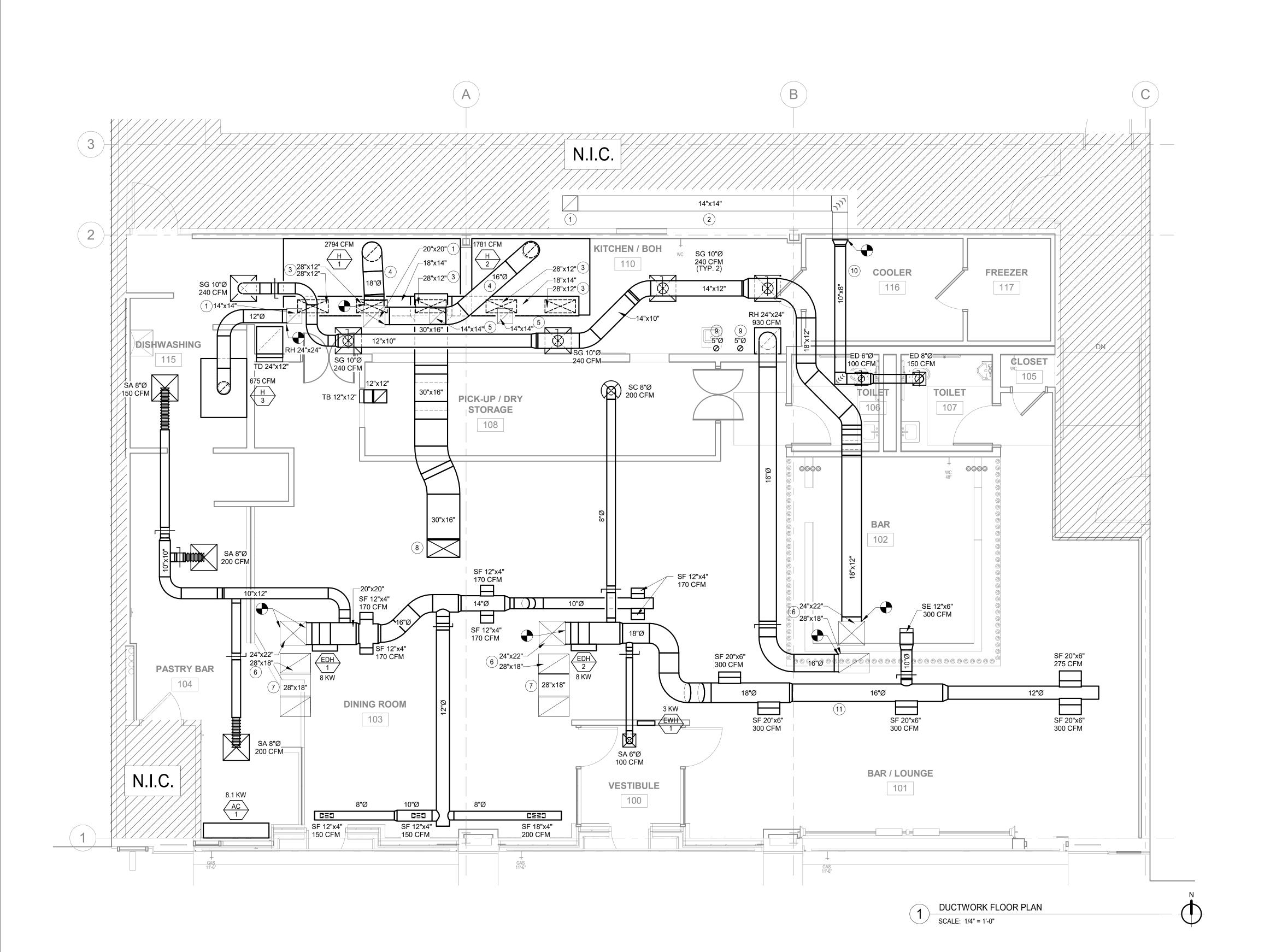
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CLIENT APPROVAL: DATE:

DUCTWORK FLOOR PLAN

21020



GENERAL NOTES

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(#) KEYNOTES

- EXISTING ROOFTOP UNIT TO REMAIN. SHOWN FOR COORDINATION PURPOSES. REFER TO BASE BUILDING DRAWINGS. BALANCE TO CFMs SHOWN.
- INSTALL NEW MAKEUP AIR UNIT ON EXISTING CURB. VERIFY SIZE AND LOCATION OF EXISTING CURB IN THE FIELD. PROVIDE A CURB ADAPTOR AS REQURIED TO INSTALL THE UNIT.
- 3 MAKEUP AIR DUCT DN. TO FIRST FLOOR. DUCT TO BE ROUTED THROUGH EXISTING OPENING. ENLARGE EXISTING OPENING AS REQUIRED TO ACCOMODATE NEW DUCT. COORDINATE WITH LANDLORD.
- 4 INSTALL NEW EXHAUST FAN ON EXISTING CURB. VERIFY SIZE AND LOCATION OF CURB IN THE FIELD. PROVIDE A CURB ADAPTOR AS REQUIRED FOR THE INSTALLATION OF THE NEW EXHAUST FAN.
- 5 EXISITNG CAPPED CURB TO REMAIN. 6 GAS PIPE DN. TO FIRST FLOOR.
- 7 EXISTING GAS PIPE SERVING EXISTING RTU TO REMAIN. RECONNECT WITH
- NEW GAS PIPE. 8 MANUAL SHUT-OFF VALVE.
- 10 PRESSURE REGULATING VALVE. SET TO PRESSURE REQUIRED BY EQUIPMENT. 11 EXISTING GAS PIPE SERVING EXISTING RTU TO REMAIN.

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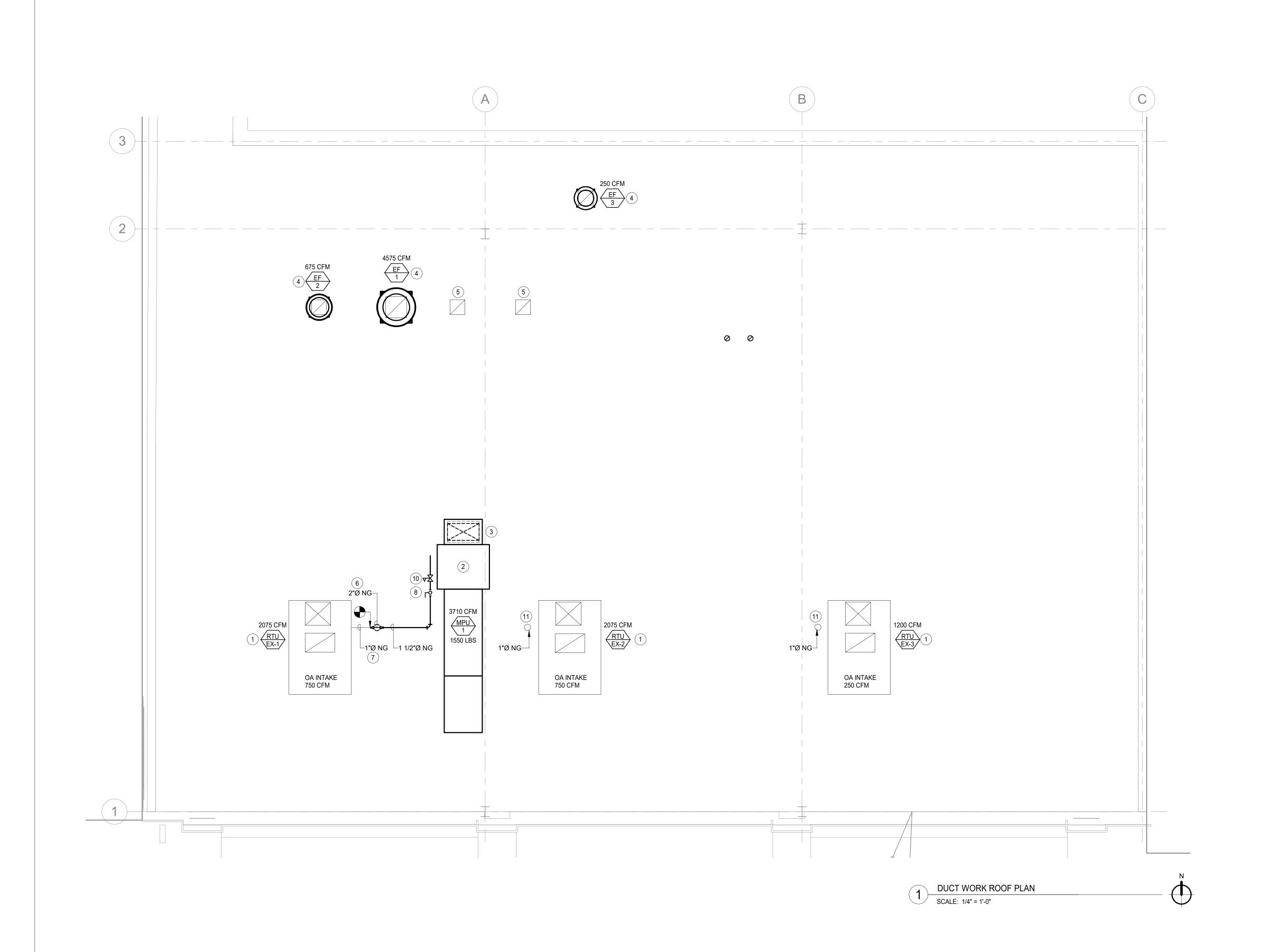
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MECHANCIAL ROOF PLAN

21020



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GENERAL NOTES

(#) KEYNOTES 1 EXISTING GAS PIPE TO REMAIN.

EXISTING GAS PIPING SERVING RTU TO REMAIN. 3 GAS PIPE TO SERVE WATER HEATER. REFER TO PLUMB DWGs FOR DETAILS

REGARDING THE WATER HEATERS. 4 PRESSURE REGULATING VALVE. SET TO PRESSURE REQUIRED BY EQUIPMENT. VENT PRV TO THE OUTSIDE.

5 MANUAL SHUT-OFF VALVE.

6 TYP. CONNECTION FOR EACH EQ-06. PROVIDE SHUT-OFF VALVE AND QUICK CONNECT.

7 PROVIDE QUICK CONNECT.

8 GAS PIPE UP TO SERVE RTU AND MAU.

9 MECHANICAL GAS SHUT OFF VALVE TO BE INTERLOCKED WITH HOOD CONTROLS.

10 GAS PIPING TO BE NEW ALL THE WAY BACK TO THE METER. REFER TO BASE BUILDING DRAWINGS FOR EXACT LOCATION OF THE METER. REFER TO DETAIL FOR MORE INFORMATION.

11 GAS FOR RADIANT INFRARED HEATER. REFER TO ARCH DWGs FOR DETAILS REGARDING THE HEATER. REFER TO GAS PIPING DETAIL FOR MORE INFORMATION.

12 PROVIDE NEW TEMPERATURE SENSOR. INTERLOCK TEMPERATURE SENSOR WITH RTU CONTORLS. RTU TO BE CONTROLLED BASED ON SPACE TEMP AT

13 TEMPERATURE SENSOR TO CONTROL EDH. EDH TO ACT AS SECOND STAGE OF HEAT AFTER RTU GAS HEATER. SET HEATING SETPOINT FOR EDH 2°F (ADJ.) LOWER THAN RTU SETPOINT.

14 THERMOSTAT FOR RTU TO BE LOCATED BY THE DESK. THIS THERMOSTAT IS TO BE USED FOR CONTORL ONLY. UNIT IS TO OPERATE TO MAINTAIN TEMPERATURE SETPOINT AS SENSED BY THE TEMPERATURE SENSOR LOCATED IN THE MAIN DINING AREA. PROVIDE NEW THERMOSTAT IF EXISTING THERMOSTAT DOES NOT ALLOW FOR THIS CAPABILITY.

15 EXISITNG RELOCATED THERMOSTAT FOR RTU.

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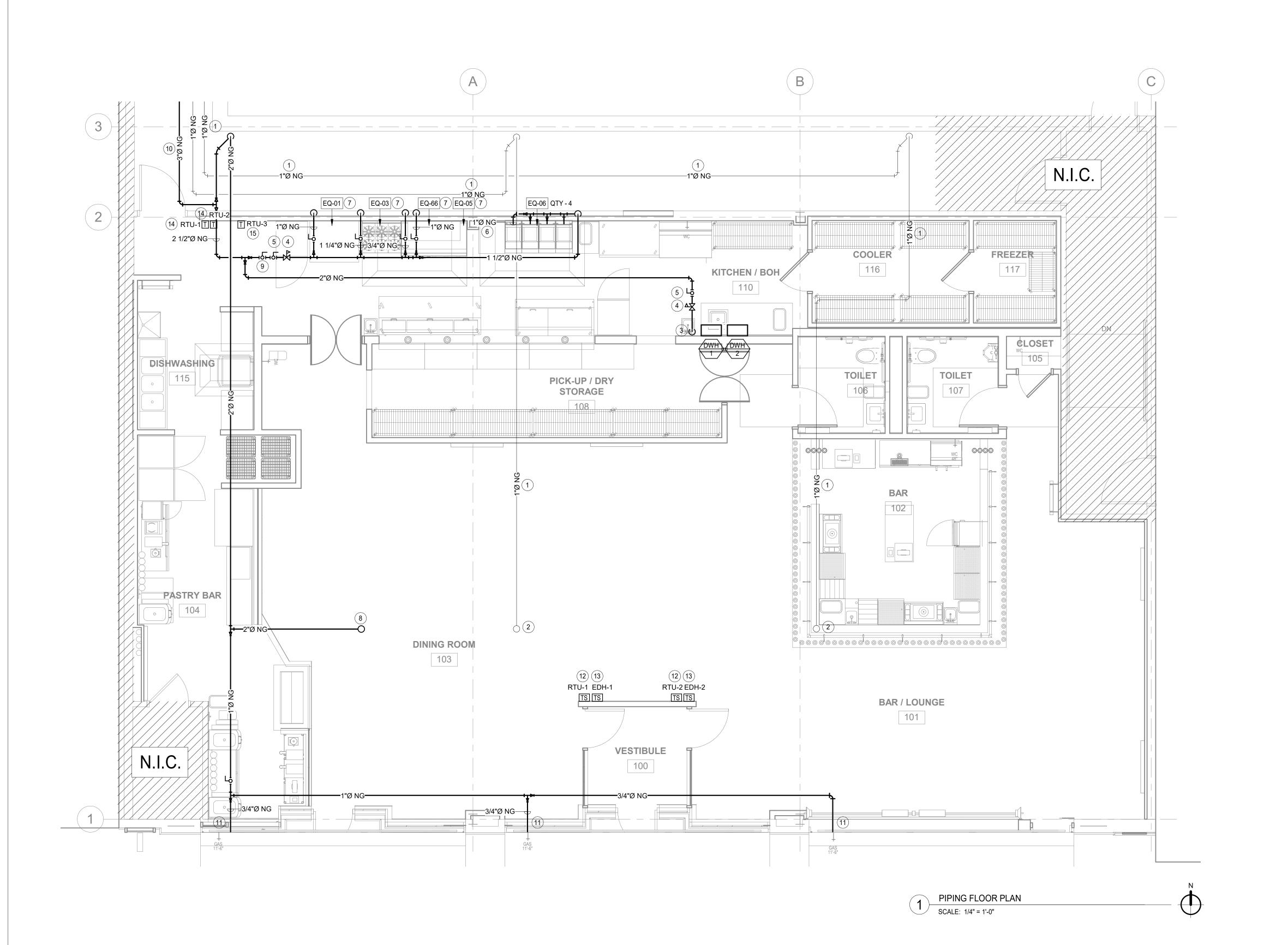
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PIPING FLOOR PLAN

21020



	0.55
Prelim Max Zp	0.55
Ez	0.8
Diversity (D)	0.9
Vou	627.45
Total SA (cfm)	2075
Max Zp	0.43

Appendix A

0.88

Method

Ev

														AIR	CURTA	IN SCHED	ULE
EQUIPMENT	LOCATION	AREA SERVED	MANUFACTURER	MODEL	TYPE	MOUNTING	CFM	NOZZLE	NOZZLE VEL	МО	TOR			ELECTRICAL		CONTROL	
TAG	LOCATION	AREA SERVED	WANDFACTURER	WIODEL	ITE	MOONTING	CFIVI	WIDTH (IN.)	(FPM)	QTY	HP	KW	AMPS	BREAKER SIZE	V / PH / HZ	CONTROL	NOTES
AC-1	PASTRY BAR 104	PASTRY BAR 104	BERNER	ALC08-1060E	ELECTRIC HEAT	WALL	1682	59	3100	1	1/5	8.1	24.2	35	208 / 3 / 60	DOOR SWITCH	1,2

1 INTELLISWITCH AS REQUIRED TO OPERATE BASED ON DOOR SENSOR.

2 DISCONNECT SWITCH.

											EXI	HAUST F	AN SCHED	ULE
EQUIPMENT	LOCATION	AREA SERVED	MANUFACTURER	MODEL	TYPE	DRIVE	CFM	ESP (IN.)	FAN RPM		МОТОР	3	CONTROL	
TAG	LOCATION	ANLA SLIVED	WANOI ACTORER	MODEL	IIIFE	DIVIVE	CI IVI	LOF (IIV.)	I AN INFIVI	HP	RPM	V / PH / HZ	CONTROL	NOTES
EF-3	ROOF	TOILET 106, 107	GREENHECK	G-070-VG	CENTRIFUGAL DOWNBLAST	DIRECT	250	0.35	1656	1/15	1725	120 / 1 / 60	TIME CLOCK	1-4

- GRAVITY BACKDRAFT DAMPER.
- DISCONNECT SWITCH. 3 UNIT MOUNTED SPEED CONTROLLER.
- ADAPTOR CURB.

RTU-1	VENTILATION :	SCHEDULE													
					MINIMUM VEN	TILATION RATE			MECHANICA	L VENTILATION REG	QUIRED		ACTUAL V	ENTILATION	
ROOM#	ROOM NAME	OCCUPANCY CLASSIFICATION	ROOM AREA (SF)	OUTSIDE AIR CFM/PERSON	OUTSIDE AIR CFM/SF	EXHAUST AIR CFM/SF	EXHAUST AIR CFM/EXH. UNIT	EXH. UNITS	NO. OF PEOPLE	REQUIRED OUTSIDE AIR (CFM)	REQUIRED EXHAUST AIR (CFM)	Zp	SUPPLY (CFM)	EXHAUST (CFM)	REMARKS
103/104	DINING ROOM/PASTRY BAR	DINING ROOMS	1143	7.5	0.18	0.0	0		60	656	0	0.43	1925	0	
115	DISHWASHING	KITCHEN (COOKING)	83	7.5	0.12	0.7	0		1	18	59	0.15	150	675	EF-2
												0			
									Vot	714					

Prelim Max Zp	0.55
Ez	0.8
Diversity (D)	0.9
Vou	640.17
Total SA (cfm)	2075
Max Zp	0.45
Method	Appendix A
Ev	0.86

RTU-2	VENTILATION	N SCHEDULE													
					MINIMUM VEN	TILATION RATE			MECHANICA	L VENTILATION RE	QUIRED		ACTUAL V	ENTILATION	,
ROOM#	ROOM NAME	OCCUPANCY CLASSIFICATION	ROOM AREA (SF)	OUTSIDE AIR CFM/PERSON	OUTSIDE AIR CFM/SF	EXHAUST AIR CFM/SF	EXHAUST AIR CFM/EXH. UNIT	EXH. UNITS	NO. OF PEOPLE	REQUIRED OUTSIDE AIR (CFM)	REQUIRED EXHAUST AIR (CFM)	Zp	SUPPLY (CFM)	EXHAUST (CFM)	REMARKS
100	VESTIBULE	NOT APPLICABLE	61	0.0	0.00	0.0	0		0	0	0	0	50	0	
101/102	BAR - BAR/LOUNGE	BARS, COCKTAIL LOUNGES	991	7.5	0.18	0.0	0		65	666	0	0.45	1875	0	
105	CLOSET	NOT APPLICABLE	19	0.0	0.00	0.0	0		0	0	0	0	0	0	
106	TOILET	TOILET (CONTINIOUS)	49	0.0	0.00	0.0	50	1	0	0	50	0	0	100	EF-3
107	TOILET	TOILET (CONTINIOUS)	52	0.0	0.00	0.0	50	2	0	0	100	0	0	150	EF-3
108	PICK-UP / STORAGE	STORAGE	192	0.0	0.12	0.0	0		0	24	0	0.2	150	0	
												0			
					•	•		•	Vot	745			•		

Ez	0.8

SINGL	E ZO	NE SYSTEM	IS VENTILATION SCH	EDULE											
						MINIMUM VEN	TILATION RATE			MECHANICA	L VENTILATION REC	QUIRED	ACTUAL V	ENTILATION	
EQUIPMENT TAG	ROOM#	ROOM NAME	OCCUPANCY CLASSIFICATION	ROOM AREA (SF)	OUTSIDE AIR CFM/PERSON	OUTSIDE AIR CFM/SF	EXHAUST AIR CFM/SF	EXHAUST AIR CFM/EXH. UNIT	EXH. UNITS	NO. OF PEOPLE	REQUIRED OUTSIDE AIR (CFM)	REQUIRED EXHAUST AIR (CFM)	SUPPLY (CFM)	EXHAUST (CFM)	REMARKS
RTU-3	110	KITCHEN / BOH	KITCHEN (COOKING)	431	7.5	0.12	0.7	0		5	90	302	1270	4575	EF-1
				,			1	1	Vot		113				

			DIFFUSER, GRIL	LE ANI	D REGIS	TER S	CHE	DUL
EQUIPMENT TAG	MANUFACTURER	MODEL	TYPE	NO. OF SLOTS	NOMINAL FACE SIZE	MATERIAL	MAX. N.C.	NOTES
А	TITUS	OMNI	SQUARE PLAQUE DIFFUSER	NA	24"x24" 12"x12"	STEEL	35	1-3
В	TITUS	350RL	LOUVERED SINGLE DEFLECTION GRILLE	NA	VARIES	STEEL	35	1-3
С	TITUS	TMR	ROUND SPIRAL W/ ADJUSTABLE DISCHARGE PATTERN	NA	VARIES	STEEL	35	1-3
D	TITUS	350FL	LOUVERED SINGLE DEFLECTION GRILLE	NA	VARIES	ALUMINUM	35	1-3
E	TITUS	300FL	DOUBLE DEFLECTION SUPPLY GRILLE	NA	VARIES	STEEL	35	1-3
F	TITUS	S300FL	DIRECT SPRIAL MOUNT GRILLE	NA	VARIES	ALUMINUM	35	1-3
G	TITUS	OMNI-AA	SQUARE PLAQUE DIFFUSER	NA	24"x24"	ALUMINUM	35	1-3
Н	TITUS	50F	EGGCRATE RETURN GRILLE	NA	VARIES	ALUMINUM	35	1-3

- 1 COLOR & FINISH TO BE SELECTED BY ARCHITECT.
- PROVIDE OPPOSED BLADE DAMPER WHERE REQUIRED. PROVIDE DAMPER IN DIFFUSER NECK OVER INACCESSIBLE CEILING.

				ELE	CTRI	C DI	JCT HEAT	ER SCHE	DULE
	EQUIPMENT	LOCATION	MANUFACTURER	MODEL	DIMEN	ISIONS	ELECTRIC HEATING	ELECTRICAL	
	TAG	LOCATION	WANOFACTORER	MODEL	W (IN.)	H (IN.)	COIL (KW)	V / PH / HZ	NOTES
	EDH-1	RTU-1 SA	GREENHECK	IDHB	20	20	8	208 / 3 / 60	1-3
•	EDH-2	RTU-2 SA	GREENHECK	IDHB	20	20	8	208 / 3 / 60	1-3
Ī					•				•

- PROVIDE WALL MOUNTED THERMOSTAT.
- PROVIDE DISCONNECT.
- PROVIDE SCR FOR CONTROLS.

			ELECT	RIC WA	ALL HEAT	ER SCHE	DULE
EWH-1 VESTIBULE 100 MARKEL 3320 SERIES 3 208 / 1 / 60 1-		LOCATION	MANUFACTURER	MODEL			NOTES
	EWH-1	VESTIBULE 100	MARKEL	3320 SERIES	3	208 / 1 / 60	1-3

PROVIDE INTEGRAL THERMOSTAT. PROVIDE DISCONNECT.

	EQ	UIP. G	AS REC	JUIKEI	MENIS
EQUIPMENT TAG	EQUIPMENT DESCRIPTION	QTY	CFH/EACH	SUBTOTAL	NOTES
EQ01	OVEN COOKING PERFORMANCE GROUP/FGC200N	1	108	108	1
EQ03	RANGE W/ OVEN COOKING PERFORMANCE GROUP/S36-N	1	210	210	1
EQ05	60" GRIDDLE VULCAN/MSA-60-101	1	135	135	1
EQ06	FRYER AVANTCO/FF300	4	90	360	1
EQ66	RANGE MOUNTED INFRA-RED CHEESE MELTER GARLAND/IRCMA-48	1	40	40	1
MPU-1	MAKEUP AIR UNIT	1	328	328	1
RTU-1	ROOFTOP UNIT	1	82.5	82.5	1
RTU-2	ROOFTOP UNIT	1	82.5	82.5	1
PATIO HEATER	INFRARED PATIO HEATERS	3	34	102	1
			TOTAL	1448	

1 EQUIPMENT SHOWN FOR INFORMATION PURPOSES ONLY.

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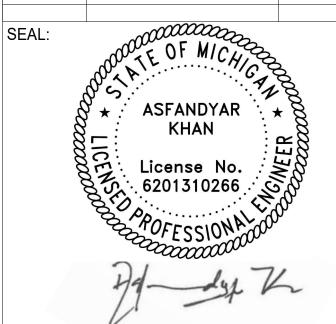
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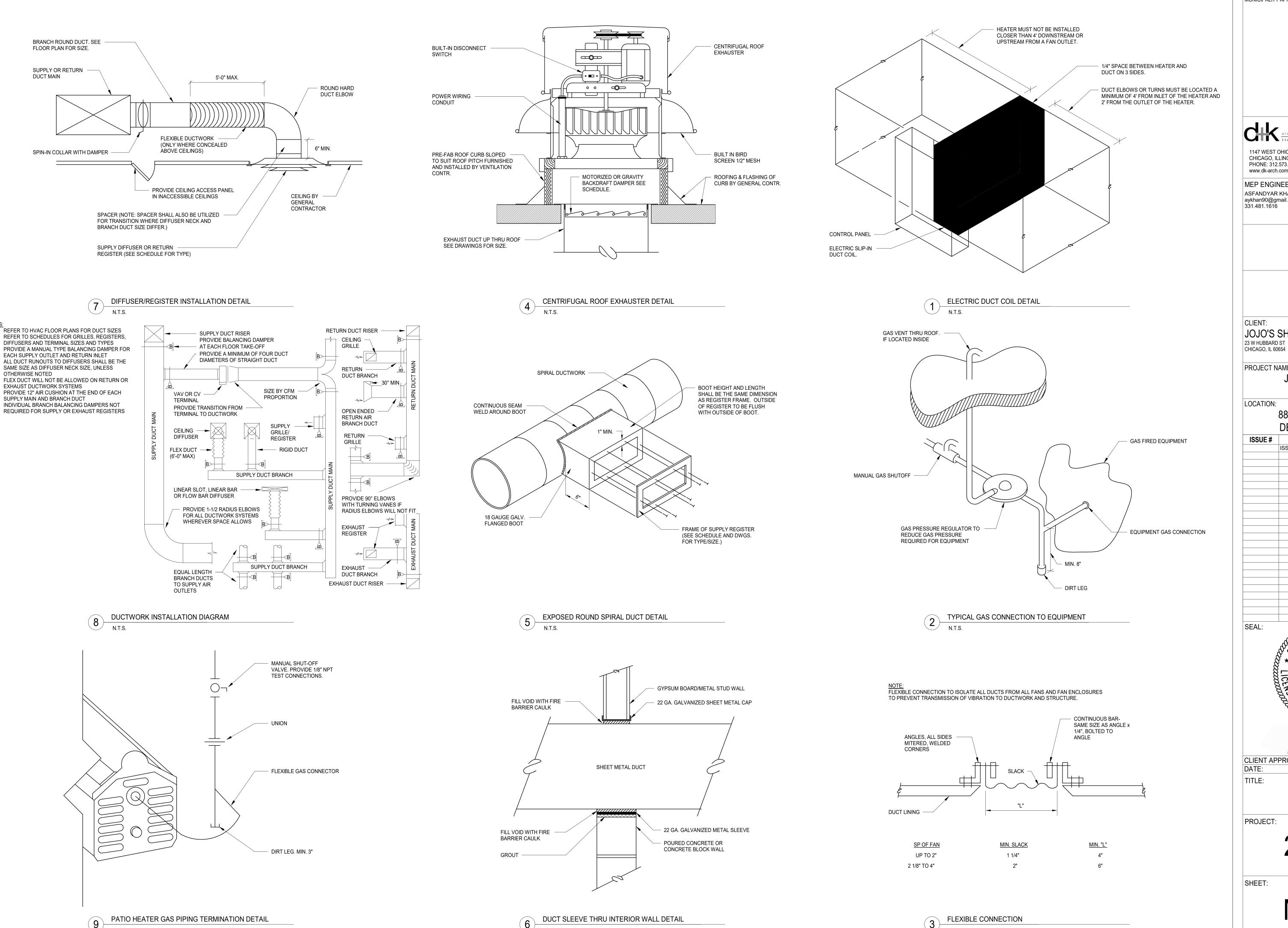
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SCHEDULES



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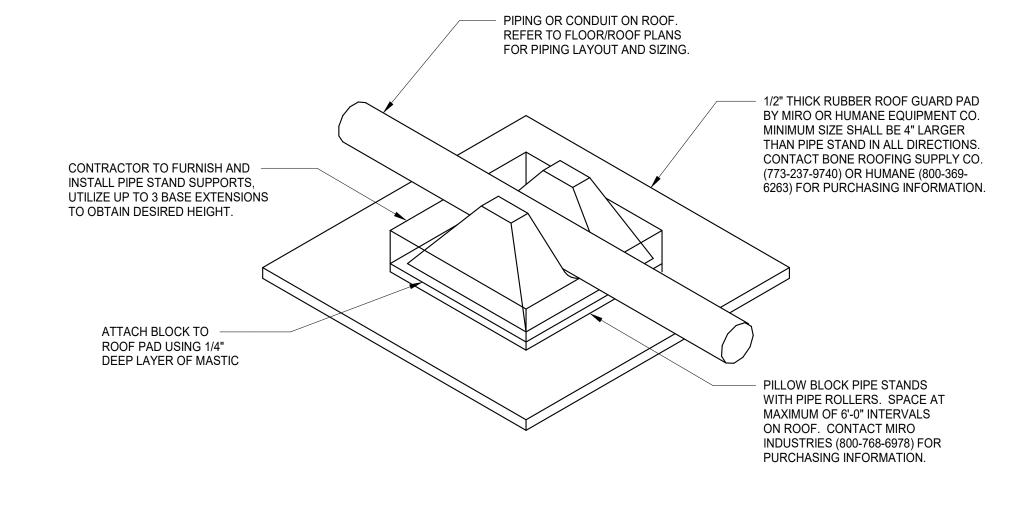
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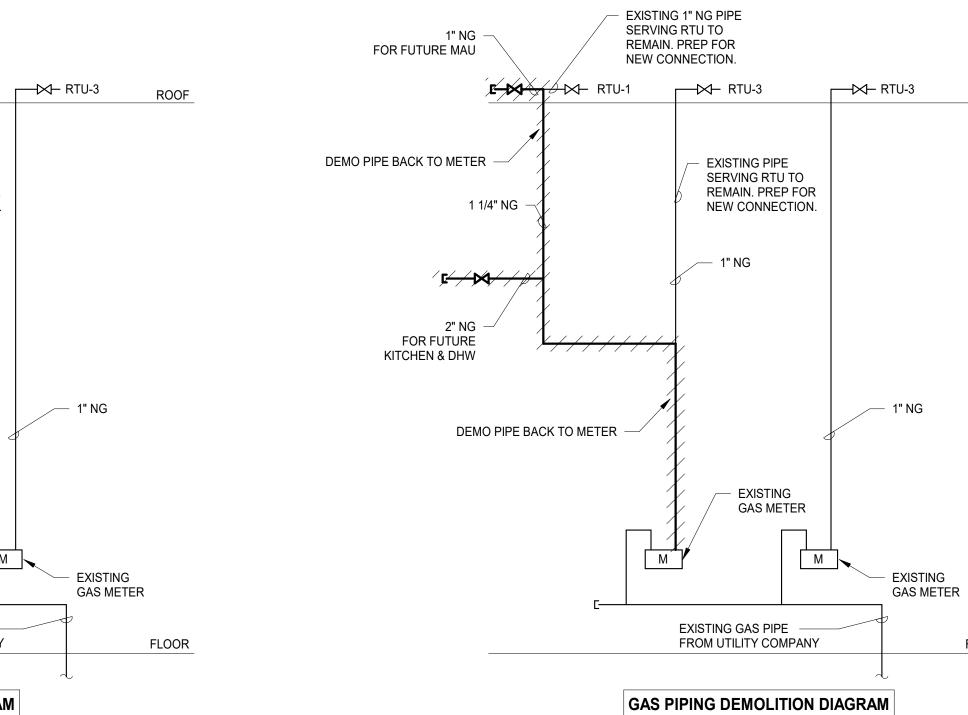
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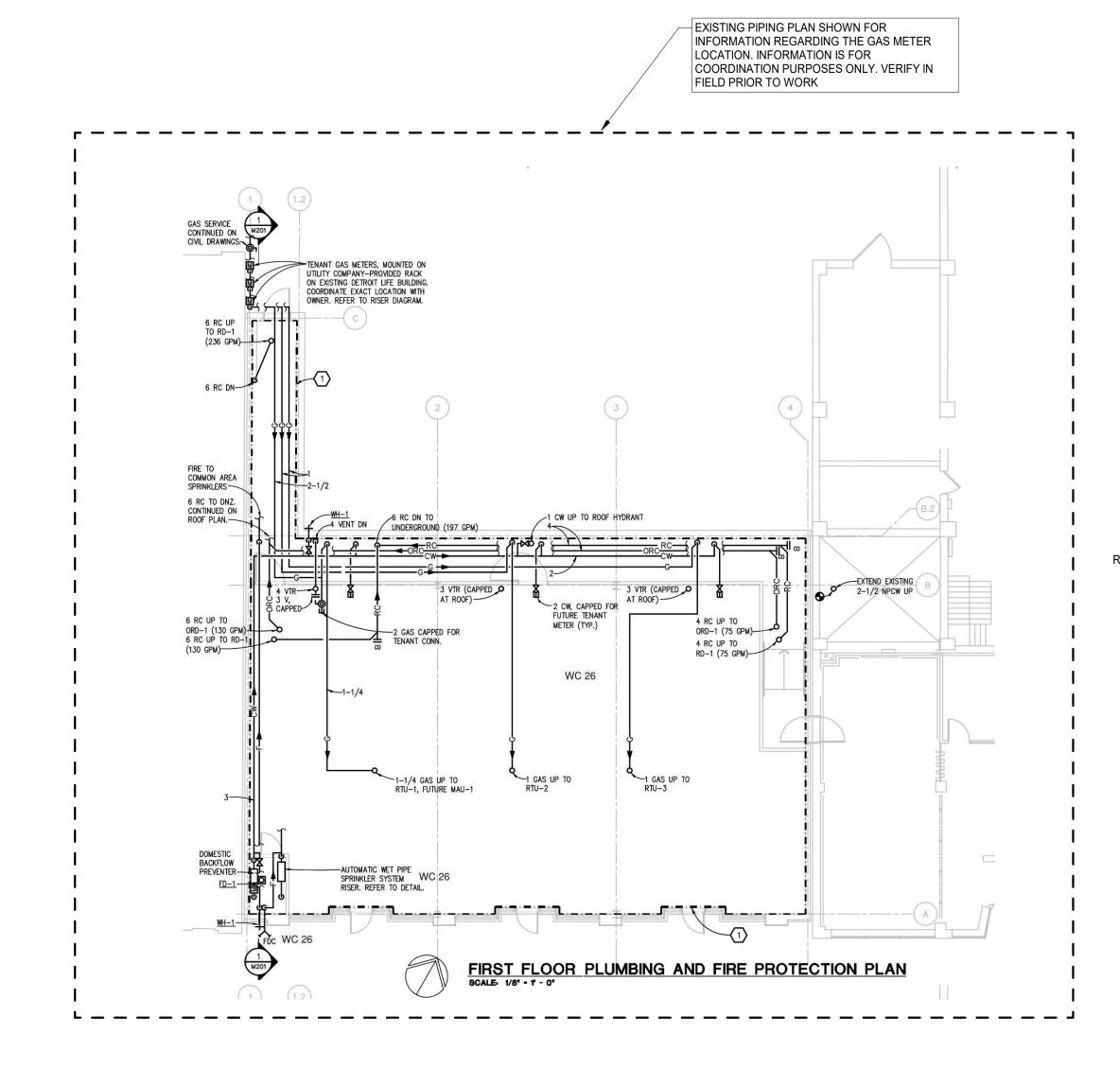


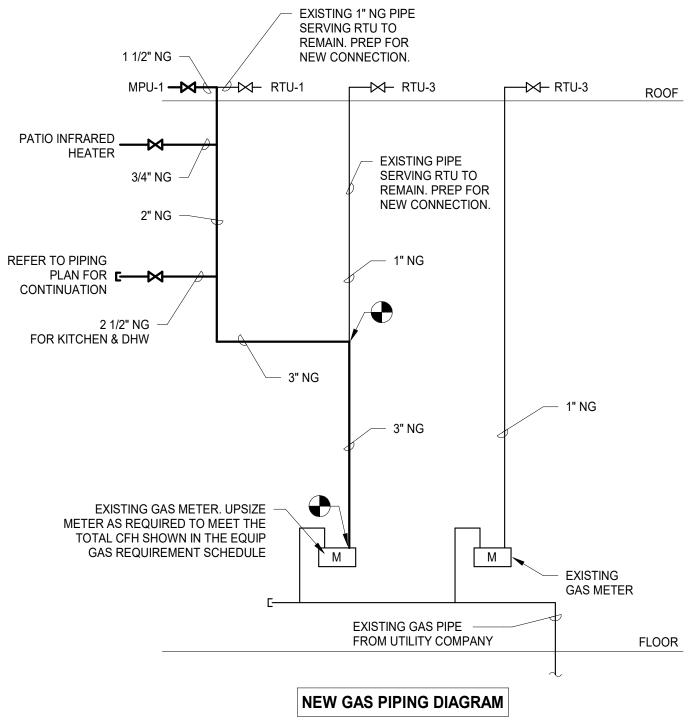
PIPING ROOF SUPPORT DETAIL

ROOF

FLOOR







GAS PIPING DIAGRAM DETAIL

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DETAILS

PROJECT:

21020

MECHANICAL SPECIFICATIONS

- - THE GENERAL AND SUPPLEMENTARY CONDITIONS OF THE CONTRACT FOR CONSTRUCTION ARE PART OF THIS DIVISION.
 - CONTRACTORS SHALL VISIT JOB SITE PRIOR TO BIDDING TO VERIFY EXISTING CONDITIONS, TIE-IN POINTS, AND LOCATION OF EXISTING FACILITIES IF APPLICABLE. BY SUBMITTING A BID, THE CONTRACTOR HAS DEEMED TO COMPLY WITH THE ABOVE MENTIONED REQUIREMENT. FAILURE TO COMPLY DOES NOT RELIEVE THE CONTRACTOR OF ANY RESPONSIBILITIES AND NO ADDITIONAL ALLOWANCES WILL BE MADE AFTER ACCEPTANCE OF BID. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE ACTUAL LOCATIONS AND ROUTING OF THE EXISTING CONDITION.
 - ALL WORK SHALL CONFORM TO ALL LOCAL CODES, RULES, AND REGULATIONS HAVING JURISDICTION OVER THIS PROJECT AND SHALL COMPLY WITH BASE BUILDING STANDARDS. IF APPLICABLE. MECHANICAL CONTRACTOR SHALL PAY FOR AND OBTAIN ALL PERMITS,
 - FEES, LICENSES AND APPROVALS REQUIRED FOR HIS RESPECTIVE MECHANICAL CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIALS AS REQUIRED TO COMPLETE ALL HVAC AND TEMPERATURE CONTROL WORK SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN AND AS NECESSARY FOR THE INSTALLATION OF A COMPLETE AND PROPER
- CONSTRUCTION AND CLOSE-OUT DOCUMENTATION:

FUNCTIONING SYSTEM.

- MECHANICAL CONTRACTOR SHALL SUBMIT 3 COPIES OF SHOP DRAWINGS TO THE OWNER OR HIS REPRESENTATIVE ON ALL MAJOR PIECES OF EQUIPMENT, SYSTEM AND COMPONENTS. SUBMIT EQUIPMENT AND MATERIAL SELECTION TO ENGINEER PRIOR TO PROCUREMENT.
- MECHANICAL CONTRACTOR SHALL PREPARE AND SUBMIT A DETAILED DIMENSIONED INSTALLATION DRAWING FOR THE WORK TO THE OWNER OR HIS REPRESENTATIVE FOR APPROVAL PRIOR TO FABRICATION. DETAILED INSTALLATION DRAWING SHALL BE DRAWN TO A MINIMUM SCALE OF 1/4" = 1'-0". SHOWING EQUIPMENT AND SYSTEMS TO BE
- INSTALLED UNDER THE MECHANICAL DIVISION. MECHANICAL CONTRACTOR SHALL KEEP AT THE PROJECT SITE ONE COMPLETE SET OF REPRODUCABLES OF CONTRACT WORKING DRAWINGS ON WHICH THE CONTRACTOR SHALL RECORD ANY DEVIATIONS OR CHANGES FROM SUCH DRAWINGS MADE DURING CONSTRUCTION, AFTER THE PROJECT IS COMPLETED. THESE DRAWINGS SHALL BE DELIVERED TO THE OWNER OR HIS REPRESENTATIVE IN GOOD CONDITION AS A PERMANENT RECORD OF THE INSTALLATION AS
- ACTUALLY CONSTRUCTED, AS A PRECEDENT TO FINAL PAYMENT. MECHANICAL CONTRACTOR SHALL FURNISH TO THE OWNER OPERATION AND MAINTENANCE MANUALS COVERING MODEL, TYPE, AND SERIAL NUMBERS, CAPACITIES, FLOW, OPERATION, AND MAINTENANCE REQUIREMENTS OF EACH MAJOR ITEM OF EQUIPMENT OR APPARATUS. OPERATION INSTRUCTIONS SHALL COVER ALL PHASES OF CONTROL ON BOTH SYSTEM AND COMPONENT LEVEL. PROVIDE COMPETENT OPERATING TECHNICIAN TO INSTRUCT THE OWNER IN THE OPERATION AND MAINTENANCE OF THE INSTALLED EQUIPMENT. OWNER TRAINING TO BE A MINIMUM OF 8 HRS AND SHALL BE RECORDED AND PROVIDED FOR RECORD TO THE OWNER.
- EACH PIECE OF EQUIPMENT FURNISHED FOR THE PROJECT SHALL BE CERTIFIED BY APPROPRIATE AGENCIES SUCH AS "UL", "AMCA", "ARI" ETC.
- AND BEAR PROPER LABELING. SUBSTITUTIONS: THE WORK SHALL BE BASED ON FURNISHING THE SPECIFICALLY NAMED MANUFACTURER'S MATERIALS OR EQUIPMENT SPECIFIED WITHOUT SUBSTITUTION. SUBSTITUTION OF SPECIFIED MATERIALS OR EQUIPMENT MAY BE OFFERED TO THE OWNER OR HIS REPRESENTATIVE FOR EVALUATIONS. EACH REQUEST SHALL BE INCLUDED IN THE BID PROPOSED WITH ADD OR DEDUCT COST. EACH REQUEST SHALL INCLUDE A COMPLETE DESCRIPTTION OF THE PROPOSED SUBSTITUTE. THE NAME OF THE MATERIAL OR EQUIPMENT FOR WHICH IT IS TO BE SUBSTITUTED, DRAWINGS, MANUFACTURER'S CATALOG CUTS, PERFORMANCE AND TEST DATA, AND ANY OTHER DATA OR INFORMATION NECESSARY FOR COMPLETE EVALUATION
- IDENTIFICATION FOR EQUIPMENT AND SYSTEMS:
 - EQUIPMETN LABEL: MATERIAL - BRASS OR ANODIZED ALUMINIMUM MIN 0.032"
 - THICKNESS BLACK LETTER COLOR
 - WHITE BACKGROUND COLOR
 - LABEL SIZE MIN 2 1/2" X 3/4" LETTER SIZE - MIN 1/2" AND LARGER FOR DISTANCES LONGER
 - CONTENT ON LABEL EQUIPMENT TAG PIPE LAEBELS:
 - ASME A13.1
 - LETTER SIZE MIN 1/2" AND LARGER FOR DISTANCES LONGER THAN 72"
 - LABEL TO INCLUDE FLOW DIRECTION
 - LOCATIONS: EACH VALVE AND CONTROL DEVICE
 - EACH BRANCH CONNECTION
 - EACH PENETRATION ON BOTH SIDES OF WALLS, FLOORS. CFILINGS
 - EACH ACCESS DOOR **EACH MAJOR EQUIPMENT**
 - MAX 50 FT INTERVAL COLOR SCHEDULE:
 - CHILLED, HOT AND CONDENSER WATER PIPING WHITE LETTERS ON GREEN BACKGROUND DUCT LABELS:

MAX 50 FT INTERVAL

- LABEL SIZE MIN 2 1/2" X 3/4" LETTER SIZE - MIN 1/2" AND LARGER FOR DISTANCES LONGER
- LABEL TO INCLUDE FLOW DIRECTION
- LOCATIONS: EACH ENTRANCE AND EXIT FROM CONCEALED SPACES

- **TESTING, ADJUSTING AND BALANCING:**
 - QUALITY ASSURANCE: TAB SPECIALISTS QUALIFICATIONS - CERTIFIED BY AABC, NEBB OR
 - COMPLY WITH ASHRAE 111 COMPLY WITH ASHRAE 90.1
- PREPARATION: PERFORM THE FOLLOWING READINGESS CHECKSIDE FOR
 - a. DUCT SYSTEMS ARE COMPLETE WITH TERMINALS INSTALLED.
 - VOLUME, SMOKE, AND FIRE DAMPERS ARE OPEN AND FUNCTIONAL CLEAN FILTERS ARE INSTALLED.
 - FANS ARE OPERATING, FREE OF VIBRATION, AND ROTATING IN CORRECT DIRECTION.
 - VARIABLE-FREQUENCY CONTROLLERS' STARTUP IS COMPLETE AND SAFETIES ARE VERIFIED.
 - AUTOMATIC TEMPERATURE-CONTROL SYSTEMS ARE OPERATIONAL.
 - CEILINGS ARE INSTALLED. WINDOWS AND DOORS ARE INSTALLED.
 - SUITABLE ACCESS TO BALANCING DEVICES AND
 - EQUIPMENT IS PROVIDED. PROCEDURE:
 - PERFORM TESTING AND BALANCING IN ACCORDANCE WITH AABC's "NATIONAL STANDARDS FOR TOTAL SYSTEM BALANCE: AND SMACNA'S "HVAC SYSTEMS - TESTING, ADJUSTING, AND
 - BALANCING" CUT INSULATION, DUCTS, PIPES, AND EQUIPMENT CABINETRY TO
 - THE MINIMUM EXTENT NECESSARY. PATCH ALL PROBE HOLES WITH SAME MATERIAL AND THICKNESS
 - AS USED FOR ORIGINAL THICKNESS. INSTALL NEW TEST PORTS AND DUCT ACCESS DOORS AFTER TESTOMG AND BALANCING.
 - MARK EQUIPMENT AND BALANCING DEVICES, DAMPER POSITIONS, VALVE POSITIONS, FAN SPEED CONTROL LEVERS WITH PERMANENT IDENTIFICATION MATERIAL TO SHOW FINAL
- REPORT TESTING AND BALANCING MEASUREMENTS IN IP UNITS.
- SUPPLY, RETURN, AND EXHAUST FANS: +/- 10% AIR OUTLETS AND INLETS: +/- 10%
- FINAL REPORT TO INCLUDE:
- FAN CYRVES MANUFACTURERS TEST DATA
- FIELD TEST REPORTS GENERAL REPORT DATA:
- NAME, ADDRESS AND SIGNATURE OF TAB PROJECT NAME
- PROJECT LOCATION
 - ARCHITECT, ENGINEER, CONTRACTOR NAME AND
 - DATE INDICATED VERSUS FINAL PERFORMANCE
 - NOTABLE CHARACTERISTICS OF SYSTEMS MANUFACTURER NAME AND DATA
 - NOTES TO EXPLAIN IF DATA VARIES INDICATED VALUES VALVE POSITIONS
 - DAMPER POSITIONS AIRFLOWS
 - WATERFLOWS
 - PRESSURE DROPS
 - DUCT SIZES PIPE SIZES
- ANY OTHER INFORMATION RELEVENAT FOR TESTING AND
- BALANCING
- INSULATION: ISNULATION AND ALL ASSOCIATED MATERIAL ARE TO HAVE A FLAME
- SPREAD INDEX OF 25 OR LESS AND A SMOKE DEVELOPED INDEX OF 50
- B. THE FOLLOWING SHALL BE INSULATED:
- PIPING
- PUMPS
- AIR SEPARATORS **EXPANSION TANKS**
- POT FEEDERS SIDE STREAM FILTERS
- BASKET STRAINERS DAMPERS
- VALVES
- COLD PLATE AND FRAME HEAT EXCHANGERS INDOOR DUCT INSULATION SCHEDULE:
- SUPPLY AIR, CONCEALED R-6 INSULATION VALUE (FIBERGLASS
- OR FLEXIBLE ELASTOMERIC) RETURN AIR, CONCEALED - R-6 INSULATION VALUE (FIBERGLASS
- OR FLEXIBLE ELASTOMERIC) OUTDOOR AIR, CONCEALED - R-6 INSULATION VALUE (FIBERGLASS
- OR FLEXIBLE ELASTOMERIC) ALL EXPOSED DUCTS - 1" FLEXIBLE ELASTOMERIC LINER FOR RECTANGULAR AND DOUBLE WALL DUCTWORK W/ INTERSTITIAL
- INSULATION FOR ROUND. OUTDOOR DUCT INSULATION SCHEDULE:
- ALL OUTDOOR DUCTWORK R-12 INSULATION VALUE (FIBERGLASS)
- OUTDOOR DUCT FIELD APPLIED JACKET SCHEDULE: ALUMINUM CORRUGATED: 0.024" THICK PVC JACKET: 20 MILS THICK

- **METAL SHEETS:**
 - IRON AND STEEL SHEETS (GALVANIZED), ASTM 90 AND ASTM A-446 FEDERAL SPECIFICATIONS QQ-S-T15D, CLASS D, ASTM A-527 (LOCK FORMING) PRIME LOCK FORMING QUALITY LFQ. EACH SHEET IS TO BE MARKED WITH SPECIFICATION NUMBER AND GAUGE OF METAL. DUCTS SHALL BE FORMED SO THAT THESE MARKS APPEAR ON OUTSIDE OF DUCTS FOR EASY IDENTIFICATION.
- GALVANIZED STEEL DUCTWORK GENERAL SUPPLY AND RETURN/EXHAUST: ALL SHEET METAL DUCTS SHALL BE ERECTED IN A FIRST CLASS AND
- WORKMANLIKE MANNER, TRUE TO THE DIMENSIONS INDICATED ON THE DRAWINGS, UNLESS OTHERWISE APPROVED, STRAIGHT AND SMOOTH ON THE INSIDE AND NEATLY FINISHED AIRTIGHT JOINTS. THE DUCTS SHALL BE SECURELY ANCHORED TO THE BUILDING CONSTRUCTION IN AN APPROVED MANNER AND SHALL BE SO INSTALLED AS TO BE
- COMPLETELY FREE FROM VIBRATION UNDER ALL CONDITIONS OF OPERATION. THE DUCTS SHALL BE PROPERLY BRACED AND REINFORCED WITH STEEL ANGLES OR OTHER STRUCTURAL MEMBERS. ALL SLIP JOINTS SHALL BE MADE IN THE DIRECTION OF FLOW AND,

OF THE LATEST EDITION OF THE SMACNA STANDARDS. CONNECTIONS TO

- UNLESS OTHERWISE INDICATED ON THE DRAWINGS, ALL ELBOWS SHALL HAVE A CENTERLINE RADIUS EQUAL TO 1-1/2 TIMES THE WIDTH OF THE DUCT. THE SHEET METAL USED SHALL BE GALVANIZED STEEL. THE THICKNESS OF THE SHEET METAL AND SIZE OF SPACING OF THE STIFFENERS USED SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS
- DIFFUSERS SHALL BE ABSOLUTELY AIRTIGHT. MEDIUM PRESSURE AND LOW PRESSURE DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH LATEST ISSUE OF SMACNA AND ASHRAE RECOMMENDATIONS.
- DAMPERS:
 - PROVIDE ADJUSTABLE SPLITTERS AND/OR VOLUME DAMPERS AT EVERY DUCT JUNCTION ON SUPPLY, RETURN, AND EXHAUST DUCTWORK FOR ADJUSTING AIR VOLUMES. DAMPERS SHALL BE INSTALLED WITH END BEARING AND REGULATORS. END BEARINGS SHALL BE YOUNG REGULATOR 650 SERIES. VENTLOK 607. REGULATORS ON ACCESSIBLE DAMPERS SHALL BE LOCKING TYPE WITH LEVER HANDLE YOUNG REGULATOR 400 SERIES, OR VENTLOK 641.
 - REGULATORS ON DAMPERS, LOCATED BEING PLASTERED WALLS OR CEILINGS SHALL BE CONCEALED TYPE, YOUNG REGULATOR SERIES 315, VENTLOK 666, WITH CHROME PLATED COVER.
 - LOCATE THE COVERS WHERE APPROVED BY ARCHITECT VOLUME DAMPERS WHERE SHOWN AND WHERE REQUIRED SHALL BE FACTORY FABRICATED VENT PRODUCT CO. MODEL VO BD, AIR BALANCE INC. MODEL NO ACH6 OR "AIRSTREAM" OPPOSED BLADE TYPE. SUBMIT SHOP DRAWINGS D. APPROVED RATING FIRE DAMPERS SHALL BE PROVIDED PER LOCAL CODE REQUIREMENTS. THE FIRE DAMPERS SHALL OF BE 'B' TYPE WITH DUCT MOUNTED ACCESS DOOR.
- FLEXIBLE DUCTWORK:
 - LOW PRESSURE SUPPLY DUCTWORK SHALL BE CONSTRUCTED OF A ZINC COATED SPRING HELIX, PERMANENTLY BONDED TO A FULL INTERIOR LINER, FORMING THE DUCT CORE. FACTORY APPLIED INSULATION SHALL HAVE MAXIMUM 'C' FACTOR OF 23 BTU/HR/ SQ. FT./DEGREES FAHRENHEIT FIBERGLASS SHEATHED IN A SEAMLESS EXTERIOR VAPOR BARRIER JACKET, WITH A VAPOR CUFF, BOTH ENDS. AS A MINIMUM STANDARD, DUCT SHALL COMPLY WITH NFPA 90A AND 90B AND UL 181 AND BE RATED FOR 2" W.G. OF POSITIVE PRESSURE AND 2500 FPM.
 - ACCEPTABLE MANUFACTURERS: WIREMOLD OR APPROVED
 - MEDIUM PRESSURE AND LOW PRESSURE DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST ISSUE OF SMACNA AND ASHRAE RECOMMENDATIONS.
- 10. **DUCTWORK FITTINGS:**
 - FITTINGS SHALL BE CONSTRUCTED OF PRIME GRADE GALVANIZED STEEL. EACH FITTING SHALL BE OF SPIN-IN TYPE WITH FACTORY INSTALLED BALANCING DAMPERS. DAMPERS SHALL HAVE SPRING LOADED RETRACTABLE BEARING AND A POSITIVE LOCKING WING NUT. SUPPLY FITTINGS SHALL ALSO BE EQUIPPED WITH AN AIR
 - EXTRACTOR. FITTING INTO LINED DUCTWORK SHALL HAVE AN INSULATION
 - CONNECTIONS TO THE EXISTING MEDIUM PRESSURE DUCTS
- SHALL BE DONE WITH SPIN-IN COLLARS.
- 11. CLAMPING DEVICES:
 - ALL FLEXIBLE DUCTS SHALL BE SECURED TO BEADED COLLARS OR BEADED SLEEVES WITH APPROVED NYLON CLAMPS CONFORMING TO UL 181 CLASS I INSTALLATION METHOD. FLEXIBLE DUCT SHALL EXTEND A MINIMUM OF TWO INCHES BEYOND DRAW BAND. HIGH PRESSURE DUCTS SHALL BE SEALED. IN ADDITION TO THE DRAW BANDS. DUCT TAPE WILL NOT BE
- ACCEPTABLE.
- NATURAL GAS PIPING BLACK CARBON STEEL, SCHEDULE 40, 2" AND SMALLER - ANSI/ASTM A-53, GRADE B WELDED WITH MILL ATTACHED EXTRA HEAVY TAPERED RECESSED COUPLINGS. 2-1/2" AND LARGER - ANSI/ASTM
- A-53 GRADE B WITH BEVELED ENDS FOR WELDING. FITTINGS 2" AND SMALLER - 150 PSIG BLACK MALLEABLE IRON BANDED SCREENED FITTINGS CONFORMING TO ANSI/ASME B16.3 C. UNION - 150 PSIG MALELABLE IRON, BRASS TO IRON SEAT GROUND JOINT UNIONS. D. VALVES - BALL VALVES 600 PSI NIBCO NOT-585-70-UL APPOLO NO. 70 MILWAUKEE NO. BA 125

- **A. GAS PIPING:** ALL NEW GAS PIPING SHALL BE TESTED IN ACCORDANCE WITH SECTION 406 OF INTERNATIONAL FUEL GAS CODE. THE SYSTEM SHALL BE PURGED, VISUALLY AND PRESSURE TESTED. SOAP TESTING IS NOT ACCEPTABLE. MECHANICAL GAUGES USED TO MEASURE TEST PRESSURES SHALL HAVE A

14. KITCHEN EXHAUST SYSTEM:

- TYPE I GREASE HOODS SHALL BE U.L 710. LISTED. MOUNT HOODS ACCORDING TO MANUFACTURE'S INSTALLATION INSTRUCTIONS AND
- STAINLESS STEEL SCREWS REQUIRED FOR ALL STAINLESS STEEL
- FIRE RESISTIVE GREASE EXHAUST DUCT SHAFT ACCESS OPENING A FIRE RESISTIVE RATING EQUAL TO SHAFT ENCLOSURE (WHEN APPLICABLE).
- EXHAUST DUCTS SERVING TYPE 1 HOODS: GREASE DUCT AND HOODS MINIMUM GAGE SHALL BE 18 GA. FOR STAINLESS STEEL AND 16 GA FOR STEEL. JOINTS, SEAMS AND PENETRATIONS SHALL MADE WITH A CONTINUOUS LIQUID TIGHT WELDED SEAM. JOINTS SHALL BE BUTT JOINTS OR OVERLAPPING JOINTS EITHER TELESCOPING OR BELL TYPE. DUCT SUPPORTS SHALL BE MADE OF NON-COMBUSTIBLE MATERIAL SECURELY FASTENED TO THE STRUCTURE DESIGNED TO CARRY GRAVITY AND SEISMIC LOADS ACCORDING TO THE 2003 INTERNATIONAL BUILDING CODE. BOLTS, SCREWS, RIVETS AND OTHER
- TYPE I DUCT SYSTEMS TO BE SEPERATE FROM ALL OTHER EXHAUST SYSTEMS PER IMC 506.3.5. DUCTS SHALL PITCH BACK TO HOOD OR APPROVED GREASE
- HORIZONTAL SECTIONS GREATER THAN 75 FEET LONG.
- ACCORDANCE WITH THE MOST RECENT CODES. ALL DUCTS SHALL BE PROVIDED WITH TWO LAYERS OF UNIFRAX
- DUCT VELOCITY SHALL NOT BE LESS THAN 1,500 FPM. CLEANOUTS TO BE PROVIDED ON HORIZONTAL DUCTS AT A MAXIMUM SPACING NOT TO EXCEED 20 FEET. CLEANOUTS TO BE
- VERTICAL RISERS.
- DUCTWORK SERVING TYPE II HOODS SHALL MADE WITH RIGID METAL DUCTS AND CONSTRUCTED, INSTALLED, SUPPORTED AND BRACED ACCORDING TO CHAPTER 6 OF THE 2013 CHICAGO MECHANICAL CODE AND SMACNA. DUCTWORK SHALL BE 2.0 INCH NEGATIVE PRESSURE CLASS. ALL TRANSVERSE, LONGITUDINAL JOINTS, SEAMS AND CONNECTIONS SHALL BE SECURELY FASTENED AND SEALED WITH WELDS, GASKETS, MASTICS, ADHESIVES, MASTIC-PLUS-EMBEDDED-FABRIC SYSTEMS OR TAPES AND INSTALLED WITH THE MANUFACTURE'S
- A TYPE I HOOD SHALL BE RIGID METALLIC DUCTWORK, FABRICATED AND INSTALLED ACCORDING TO SMACNA. DUCTS SHALL BE 2.0 INCH POSITIVE PRESSURE CLASS. DUCT SUPPORTS SHALL NOT EXCEED 10 FT SPACING. ALL TRANSVERSE & LONGITUDINAL JOINTS, SEAMS AND CONNECTIONS SHALL BE SEALED WITH WELDS, GASKETS, MASTICS, ADHESIVES, MASTICPLUS- EMBEDDED-FABRIC SYSTEMS OR TAPES AND INSTALLED WITH THE MANUFACTURE'S INSTALLATION INSTRUCTIONS. DUCTS SHALL BE CONSTRUCTED OF
- GALVANIZED SHEET METAL (OR OPTIONAL BLACK IRON). OPERATING INSTRUCTIONS AND LABELED /IDENTIFIED TO
- FUEL & ELECTRIC POWER SUPPLY RESET SHALL BE MANUAL THE EXTINGUISHING SYSTEM SHALL HAVE AN ACCEPTANCE TEST IN ACCORDANCE WITH NFPA-17A AND THE MANUFACTURER'S INSTRUCTIONS

- RANGE THAT THE HIGHEST END OF THE SCALE IS NOT GREATER THAN (5) FIVE TIMES THE TEST PRESSURE. THE TEST SHALL BE WITNESSED AND REPORT PROVIDED TO THE INSPECTOR.
- PER CODE REQUIREMENTS.
- ATTACHMENT EQUIPPED WITH TIGHT FITTING SLIDING OR HINGED DOORS SHALL HAVE
- FASTENING DEVICES SHALL NOT PENETRATE DUCT WALLS.
- TRAPS NO LESS THAN 2% SLOPE. PITCH SHALL BE 8.5% FOR ACCESS DOORS SHALL BE AIR TIGHT AND TOLL-LESS ENTRY. PROVIDE CLEARANCE TO COMBUSTIBLE MATERIALS IN
- FYREWRAP EZ 1.5 (OR EQUAL ALLOWING ZERO INCH CLEARANCE TO COMBUSTIBLES).
- PROVIDED AT ALL FITTINGS AND ELBOWS AND AT THE TOP OF DUCTS SERVING TYPE II HOODS:

INSTALLATION INSTRUCTIONS. DUCTS SHALL BE JOINED AND

- SEALED IN AN APPROVED METHOD FOR MOISTURE-LADEN AND WASTE-HEAT-LADEN AIR PER SMACNA. MAKE UP AIR DUCTS: DUCTS CONNECTED TO TYPE I HOODS OR WITHIN 18 INCHES OF
- MANUAL PULL STATIONS SHALL BE BETWEEN 4'6" AND 5'-0" AFF WITH CORRESPONDING HOOD. REMOTE PULL STATIONS SHALL BE 10-20FT FROM THE HOOD IT SERVES AND IN THE PATH OF EGRESS.
- ALL HOOD PENETRATIONS SHALL BE LIQUID TIGHT.

MEP ENGINEER:

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MUNICIPALITY APPROVAL STAMP

JOJO'S SHAKE BAR 23 W HUBBARD ST

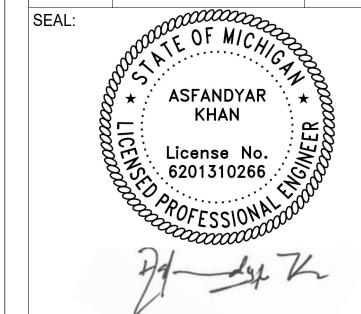
PROJECT NAME:

CHICAGO, IL 60654

LOCATION: 88 W COLUMBIA ST

JOJO'S DETROIT

DETROIT, MI 48201 ISSUE# **ISSUED FOR:** DATE ISSUED FOR PERMIT 12/22/2021

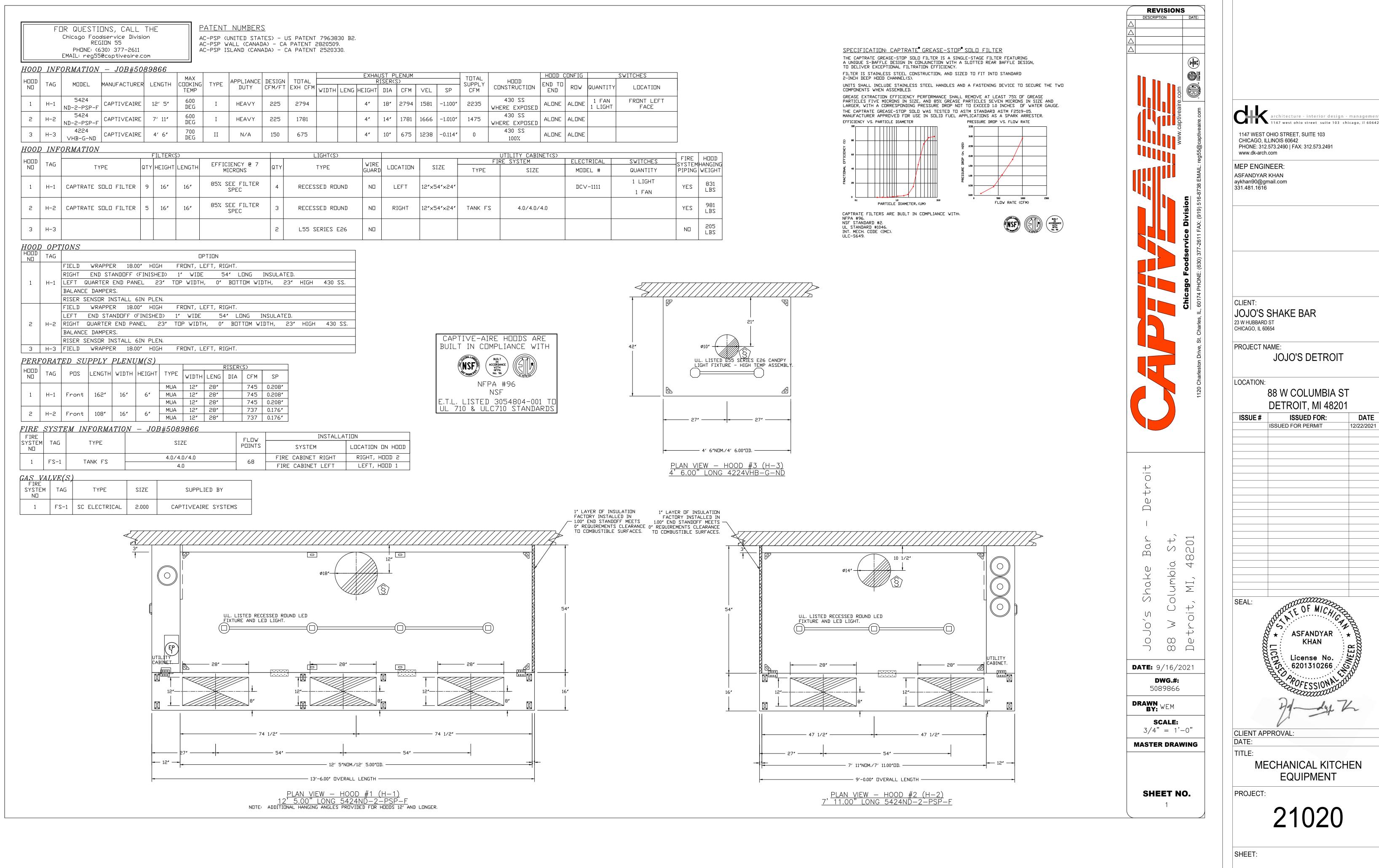


CLIENT APPROVAL: DATE: TITLE:

PROJECT:

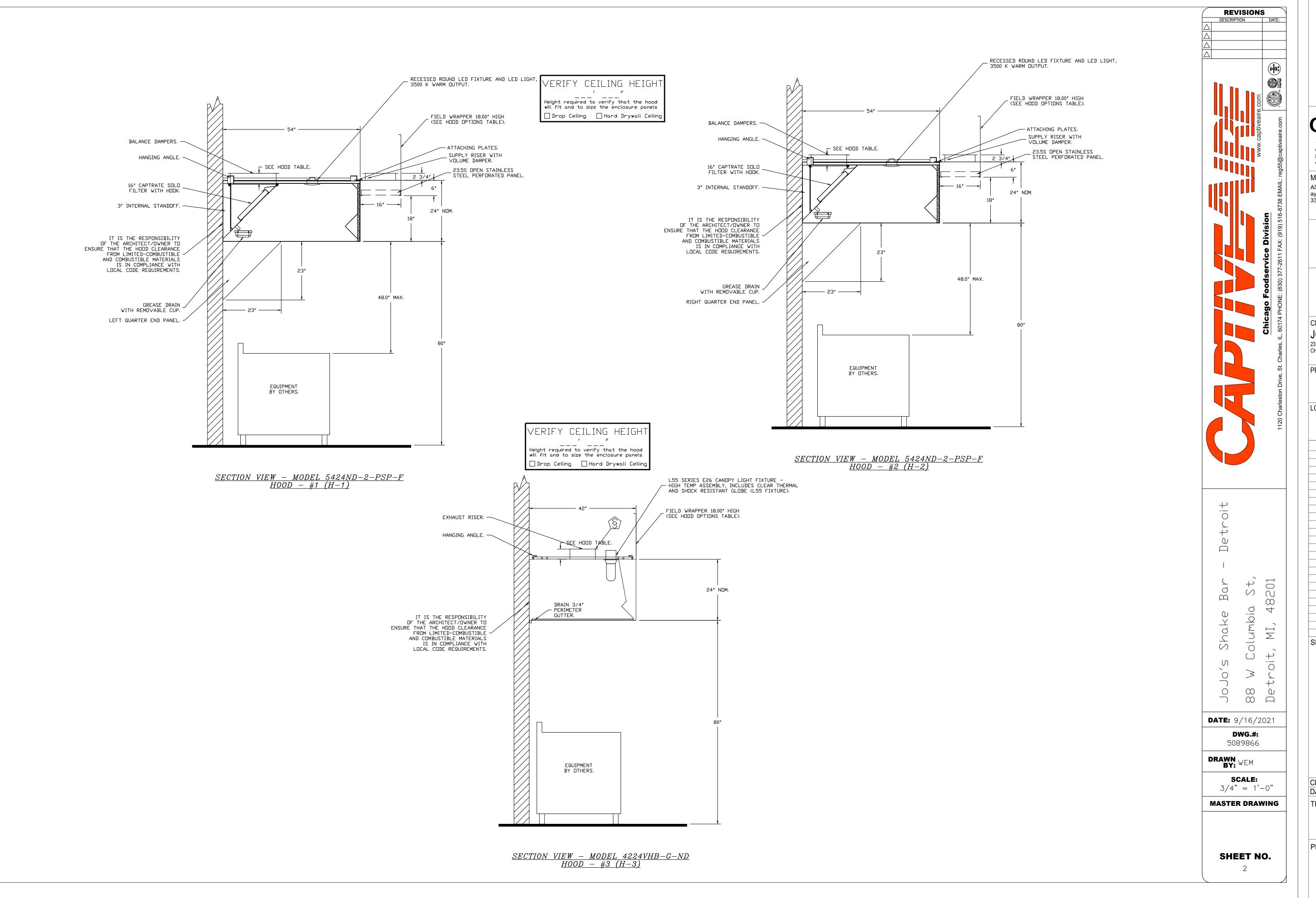
SPECS

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ISSUE #	DETROIT, MI 482	DATE
	ISSUED FOR PERMIT	12/22/2021
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MK-101



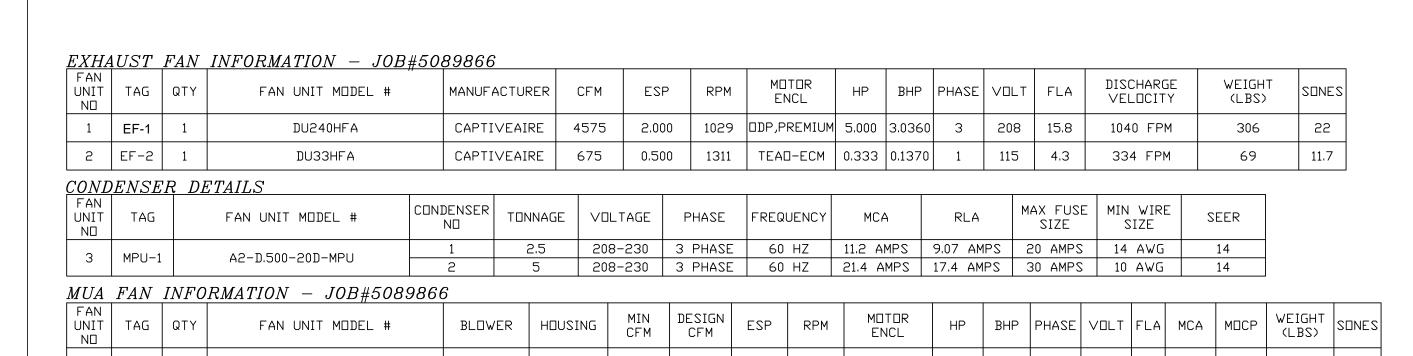
147 west ohio street suite 103 chicago, il 60642 1147 WEST OHIO STREET, SUITE 103 CHICAGO, ILLINOIS 60642 PHONE: 312.573.2490 | FAX: 312.573.2491 www.dk-arch.com MEP ENGINEER: ASFANDYAR KHAN aykhan90@gmail.com 331.481.1616 JOJO'S SHAKE BAR 23 W HUBBARD ST CHICAGO, IL 60654 PROJECT NAME: JOJO'S DETROIT LOCATION: 88 W COLUMBIA ST DETROIT, MI 48201 ISSUE# **ISSUED FOR:** DATE ISSUED FOR PERMIT 12/22/2021 License No. CLIENT APPROVAL: DATE: TITLE: MECHANICAL KITCHEN **EQUIPMENT** PROJECT:

MUNICIPALITY APPROVAL STAMP

21020

SHEE

MK-102



|20MF-2-MDD| A2-D.500 | 2700 | 3710 | 0.375 | 1525 | DDP, PREMIUM | 3.000 | 1.9360 | 3 | 208 | 9.5 | 11.9A | 20A | 1528 | 14.9 |

<u>CC</u>	ILS -	- <i>JOI</i>	3#508	39866																				
F	AN	TAG		DESIGN						COOLING										HEATING				
1		TAG	TYPE	CFM	ENTERING DB TEMP	ENTERING WB TEMP	LEAVING DB TEMP	LEAVING WB TEMP	ENTERING FLUID TEMP	LEA√ING FLUID TEMP	FLUID FLOW RATE	PERCENT GLYC□L	TOTAL CAPACITY	SENSIBLE CAPACITY	LATENT CAPACITY	ENTERING DB TEMP	LEAVING DB TEMP	ENTERING FLUID TEMP	LEAVING FLUID TEMP	FLUID FLOW RATE	PERCENT GLYCOL	STEAM PRESSURE	TOTAL CAPACITY	SENSIBLE CAPACITY
	3 M	1PU-1	DX	3710	88.0°F	72.0°F	74,4°F	66,8°F					67.3 MBH	52,2 MBH	15.1 MBH									

GAS	FIRED	MAKE-1	UP AIR	UNIT(S)			
FAN UNIT NO	TAG	INPUT BTUs	OUTPUT BTUs	TEMP RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE	BURNER EFFICIENCY(%)
3	MPU-1	328476	302198	80°F	7 IN. W.C. – 14 IN. W.C.	NATURAL	92
FAN	OPTIOI	 V.S					

A2-D.500-20D-MPU

FAN	OPTIO1	VS	
FAN UNIT NO	TAG	QTY	DESCRIPTION
		1	GREASE BOX.
1	EF-1	1	FAN BASE CERAMIC SEAL - SHIP LOOSE - FOR GREASE DUCTS.
		1	2 YEAR PARTS WARRANTY.
		1	GREASE BOX.
2	EF-2	1	ECM WIRING PACKAGE - EXHAUST - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL -MSC-(TELCO), CCW ROTATION.
		1	2 YEAR PARTS WARRANTY.
		1	INLET PRESSURE GAUGE, 0-35".
		1	MANIFOLD PRESSURE GAUGE, -5 TO 15" WC.
		1	MOTORIZED BACKDRAFT DAMPER FOR A2-D HOUSING, MEETS AMCA CLASS 1A RATING.
		1	TOTAL CFM MONITORING FOR MUA UNITS.
3	MPU-1	1	7.5 TON 2 CIRCUIT (2.5/5) MODULAR PACKAGED COOLING OPTION FOR SIZE 2 DF/EH MUA (2,700 TO 4,500 CFM), 208V/230V, 3 PHASE. COOLING THERMOSTAT OR PROGRAMMABLE STAT REQUIRED FOR PROPER OPERATION.
		1	DOWNTURN PLENUM FOR SIZE 2 DX COIL MODULE.
		1	SEPARATE 120V WIRING PACKAGE (REQUIRED AND USED ONLY FOR DCV OR PREWIRE WITH VFD) - THREE PHASE ONLY.
		1	SIZE 2 DIRECT FIRED HEATER LOW CFM PROFILE PACKAGE. USED ON HEATERS UNDER 2500 CFM.
		1	2 YEAR PARTS WARRANTY.

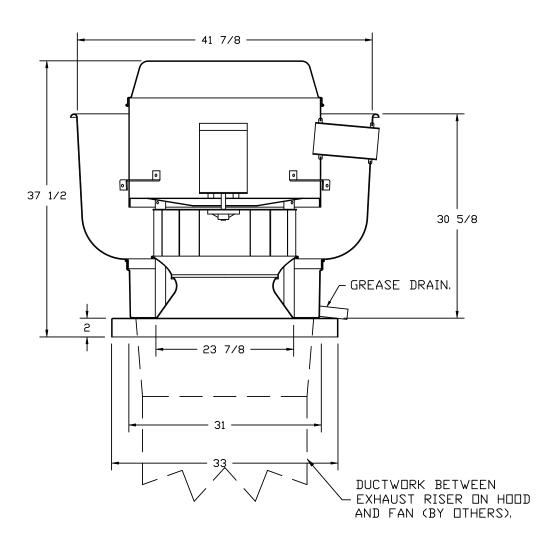
FAN ACCESSORIES

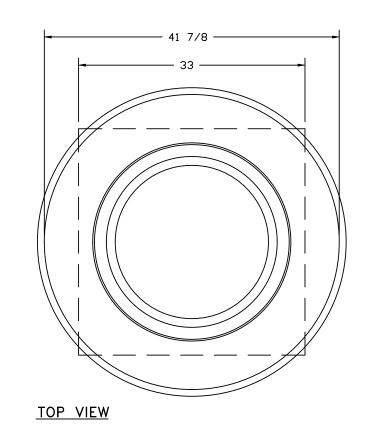
	FAN UNIT	TAG		EXHAUST			SUPF	PLY	
	ND	TAG	GREASE CUP	GRAVITY DAMPER	I .	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
Ī	1		YES						
	2	EF-2	YES						
	3	MPU-1						YES	

CIIRR	ASSEMBLIES
OIVD	ADDUMDUMD

N□	□N FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1		48 LBS	CURB	31.500"W X 31.500"L X 24.000"H ALDNG LENGTH, RIGHT VENTED HINGED.
2	# 2	EF-2	24 LBS	CURB	19.500"W X 19.500"L X 18.000"H ALONG LENGTH, RIGHT INSULATED HINGED.
З	# 3		107 LBS	RAIL	6.000"W X 31.000"L X 20.000"H RIGHT.
3	# 3	MPU-1	107 LBS	CURB	31.000"W X 79.000"L X 20.000"H ALONG WIDTH, RIGHT INSULATED.

FAN #1 DU240HFA - EXHAUST FAN





FEATURES:

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS. - RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C). - GREASE CLASSIFICATION TESTING.

- NEMA 3R SAFETY DISCONNECT SWITCH. NORMAL TEMPERATURE TEST

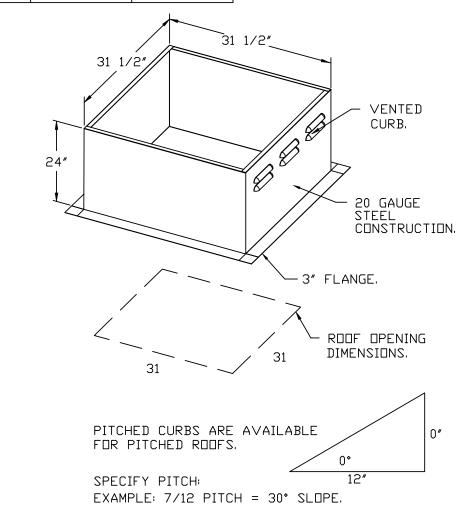
- EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED
- THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST EXHAUST FAN MUST OPERATE CONTINUOUSLY

WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE

AN UNSAFE CONDITION.

GREASE BOX. FAN BASE CERAMIC SEAL - SHIP LOOSE -FOR GREASE DUCTS. 2 YEAR PARTS WARRANTY.



St, 201 Вд olumbia $\sum_{i=1}^{n}$ J0's ∞ **DATE:** 9/16/2021

MASTER DRAWING

SHEET NO.

21020

MECHANICAL KITCHEN

EQUIPMENT

License No. 6201310266

MK-103

REVISIONS

DESCRIPTION

MUNICIPALITY APPROVAL STAMP

1147 WEST OHIO STREET, SUITE 103

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ASFANDYAR KHAN aykhan90@gmail.com 331.481.1616

CLIENT:

23 W HUBBARD ST

CHICAGO, IL 60654

PROJECT NAME:

LOCATION:

ISSUE #

JOJO'S SHAKE BAR

JOJO'S DETROIT

88 W COLUMBIA ST

DETROIT, MI 48201

ISSUED FOR:

ISSUED FOR PERMIT

DATE

12/22/2021

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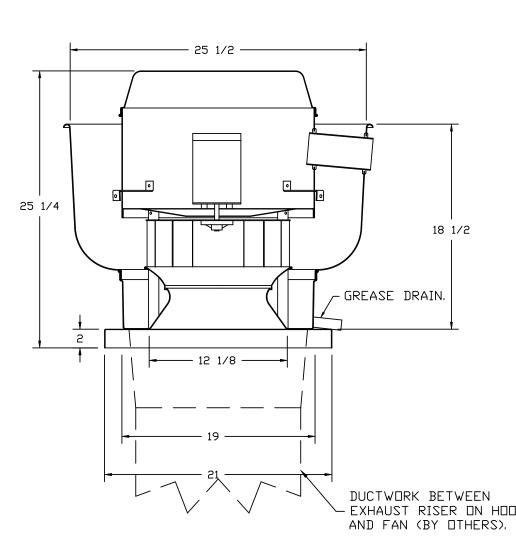
DRAWN BY: WEM

SCALE: 3/4" = 1'-0"

PROJECT:

CLIENT APPROVAL: DATE:

FAN #2 DU33HFA - EXHAUST FAN (EF-2)



FEATURES:

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS. - RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING. - THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C). GREASE CLASSIFICATION TESTING.

- NEMA 3R SAFETY DISCONNECT SWITCH. NORMAL TEMPERATURE TEST

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

WOULD CAUSE UNSAFE OPERATION.

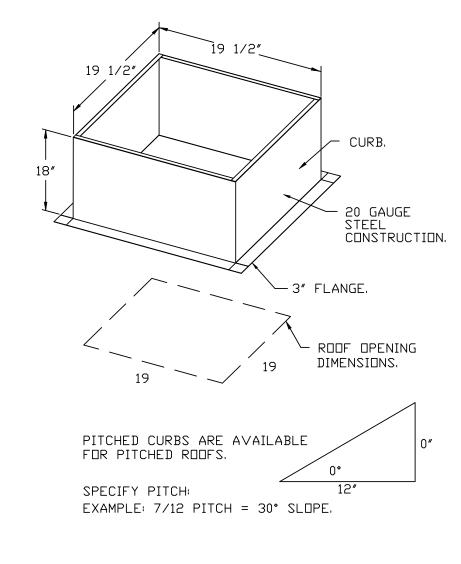
ABNORMAL FLARE-UP TEST EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

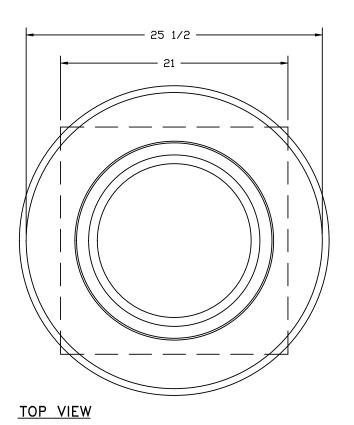
<u>OPTIONS</u>

GREASE BOX.

ECM WIRING PACKAGE - EXHAUST MANUAL DR 0-10VDC REFERENCE SPEED
CONTROL -MSC- (TELCO), CCW ROTATION.

2 YEAR PARTS WARRANTY.







MASTER DRAWING

SHEET NO.

REVISIONS

JoJo's Shake Bar - Detroit	88 W Columbia St,	Detroit, MI, 48201	SEAL:
DATE: 9	9/16/2	2021	
	WG.#: 89866		
DRAWN BY:	WEM		
S 3/4'	CALE: ' = 1'	-0"	

DESCRIPTION	DAIL:
com	S Interest
Www.captiveaire.com	Chicago Foodservice Division 1120 Charleston Drive, St. Charles, IL, 60174 PHONE: (630) 377-2611 FAX: (919) 516-8738 EMAIL: reg55@captiveaire.com

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MUNICIPALITY APPROVAL STAMP 1147 WEST OHIO STREET, SUITE 103 CHICAGO, ILLINOIS 60642 PHONE: 312.573.2490 | FAX: 312.573.2491

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CLIENT: JOJO'S SHAKE BAR 23 W HUBBARD ST CHICAGO, IL 60654

8201

12/22/2021

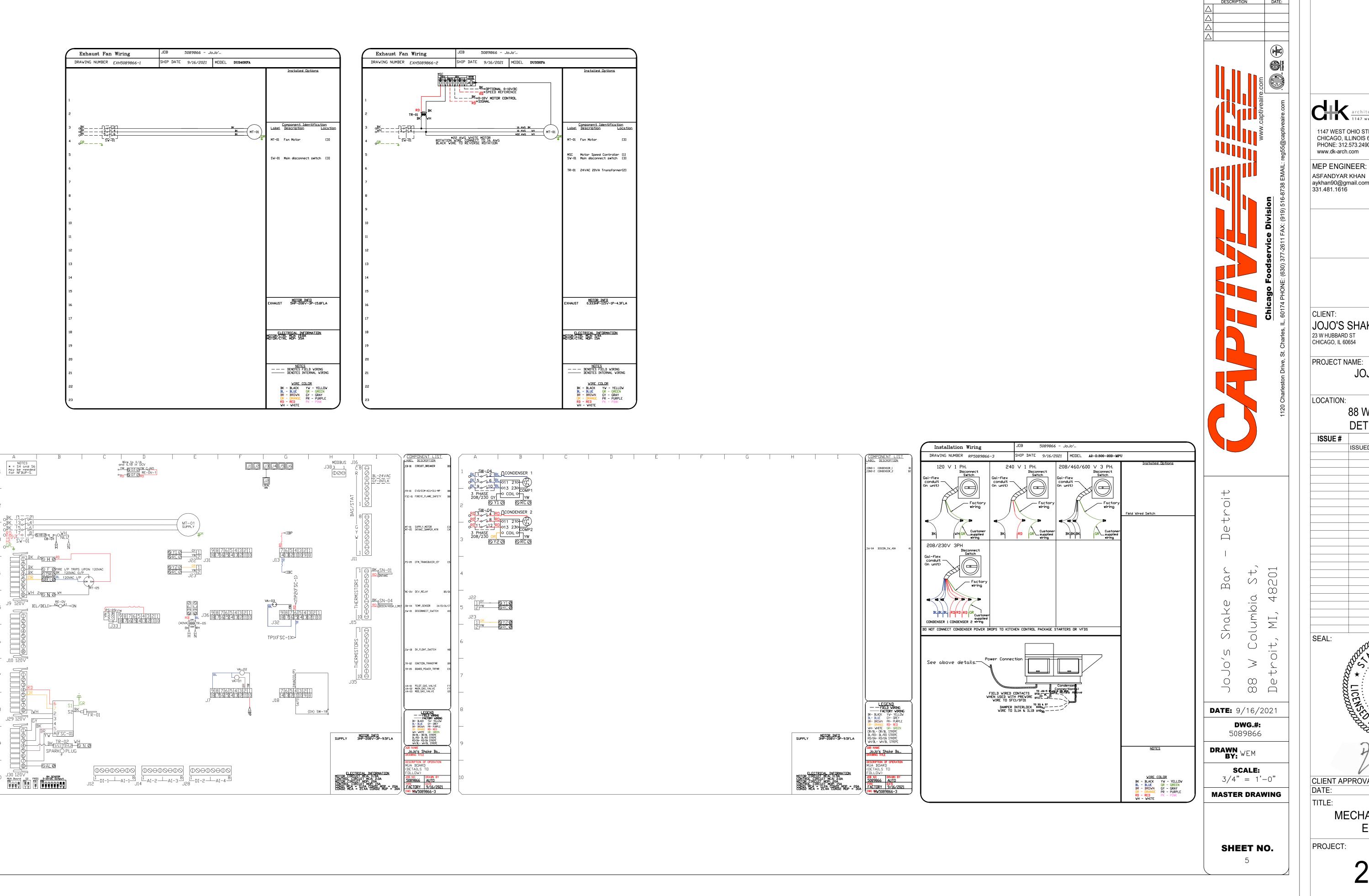
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MECHANICAL KITCHEN
EQUIPMENT

PROJECT:

21020

MK-104



NOTES

* = S4 and S6

may be needed

for NFBUP-S.

MUNICIPALITY APPROVAL STAMP

REVISIONS

1147 WEST OHIO STREET, SUITE 103 CHICAGO, ILLINOIS 60642 PHONE: 312.573.2490 | FAX: 312.573.2491 www.dk-arch.com

ASFANDYAR KHAN aykhan90@gmail.com 331.481.1616

JOJO'S SHAKE BAR 23 W HUBBARD ST

PROJECT NAME:

JOJO'S DETROIT

LOCATION:

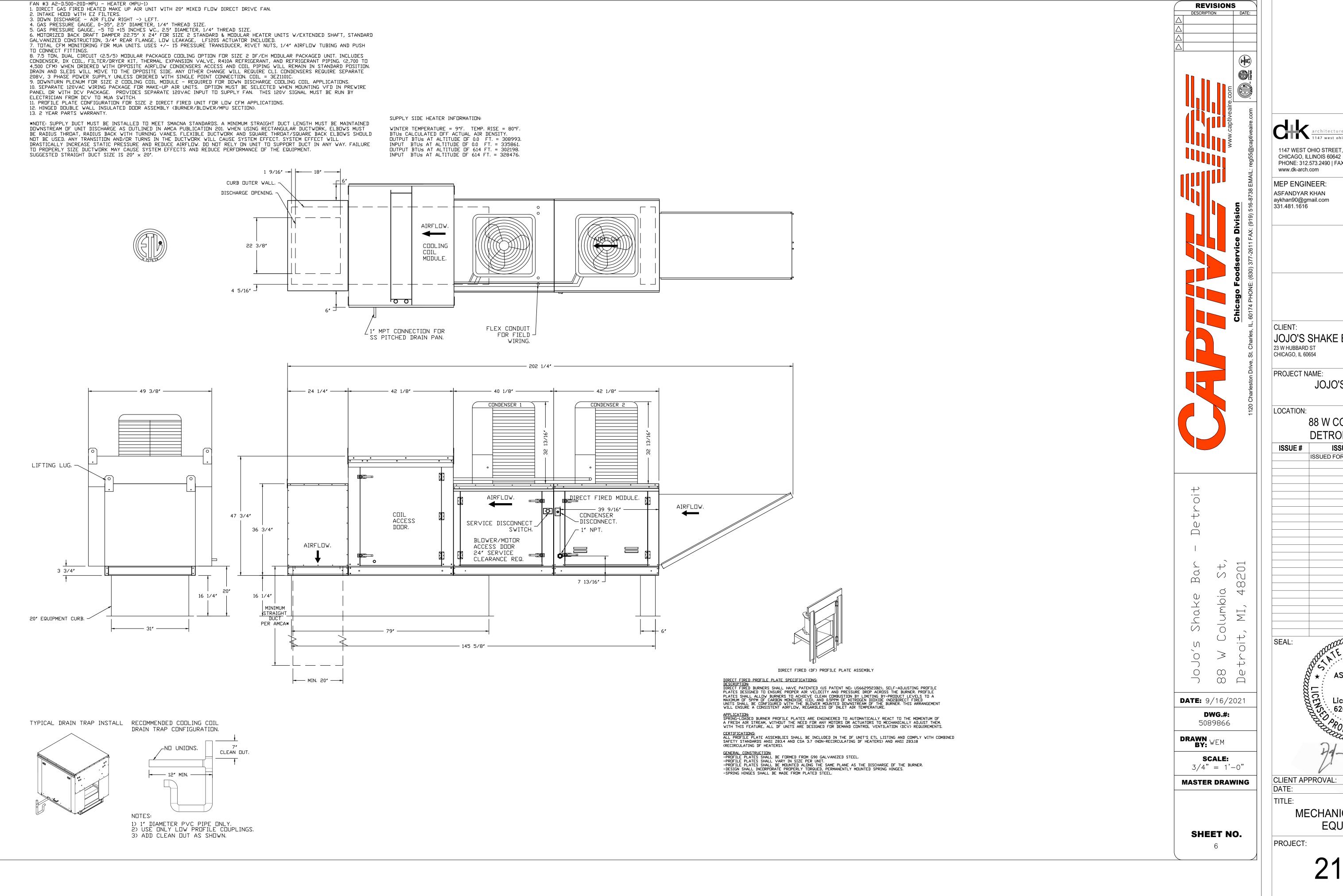
88 W COLUMBIA ST DETROIT, MI 48201

ISSUE# **ISSUED FOR:** DATE ISSUED FOR PERMIT 12/22/2021 SEAL: ASFANDYAR

CLIENT APPROVAL:
DATE:
TITLE: MECHANICAL KITCHEN **EQUIPMENT**

PROJECT:

21020



47 west ohio street suite 103 chicago, il 60642

1147 WEST OHIO STREET, SUITE 103 PHONE: 312.573.2490 | FAX: 312.573.2491

JOJO'S SHAKE BAR

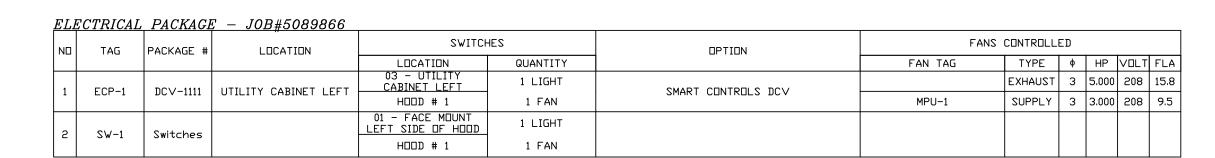
JOJO'S DETROIT

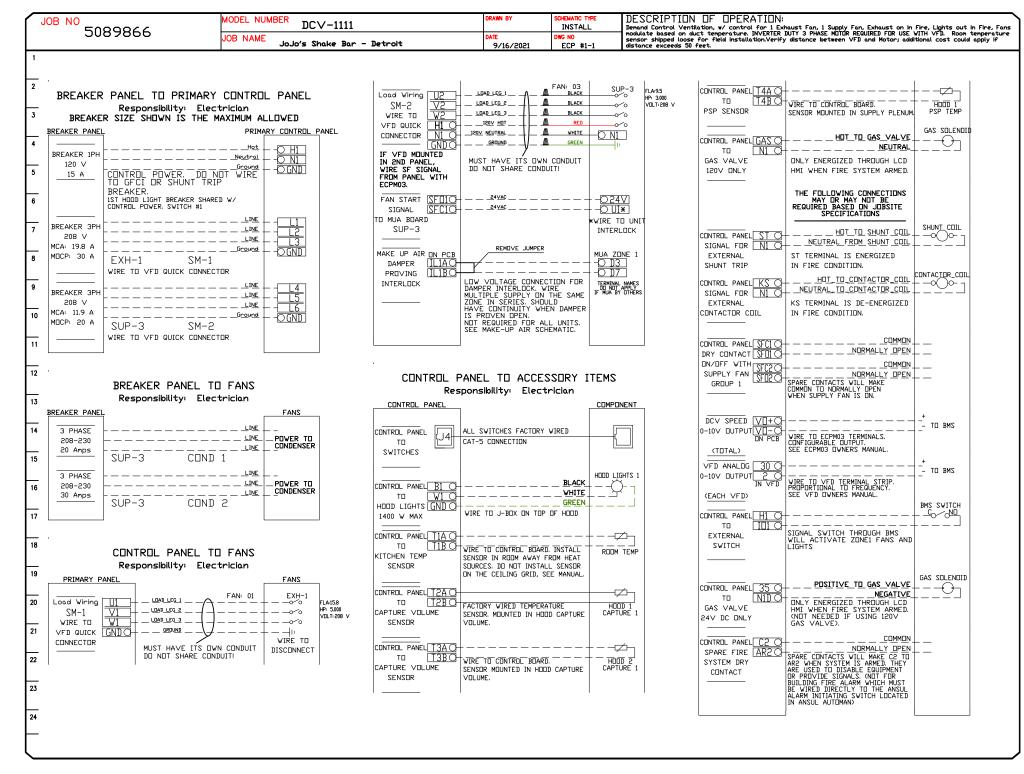
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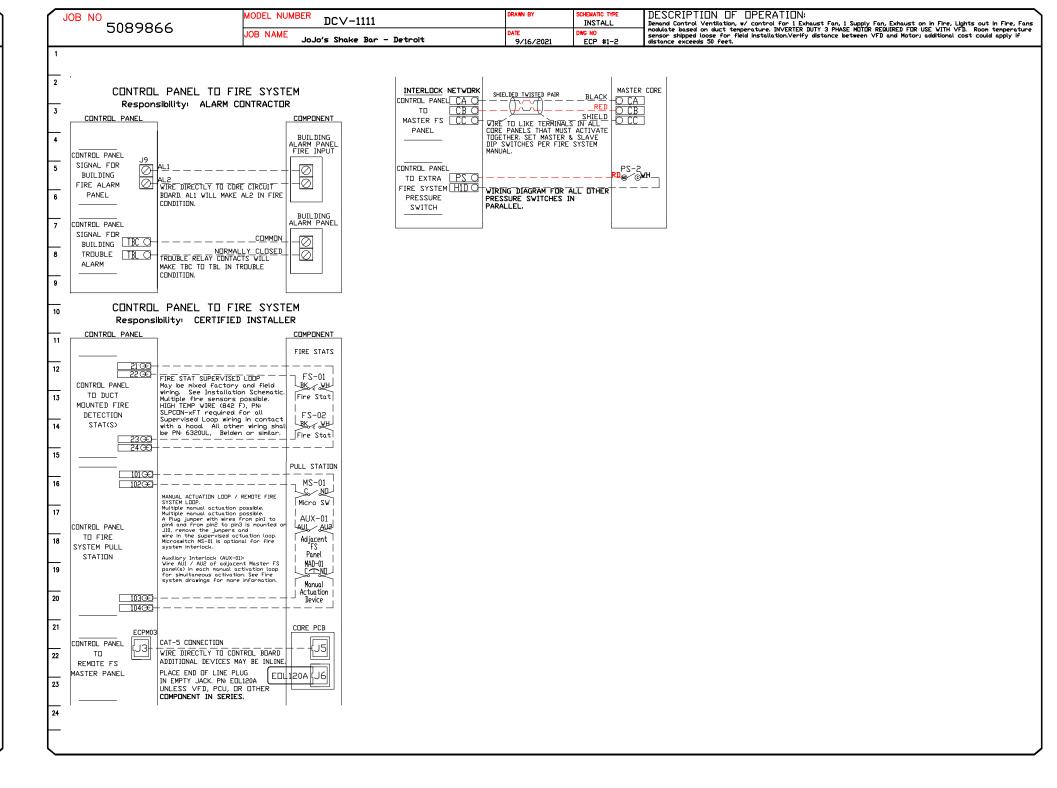
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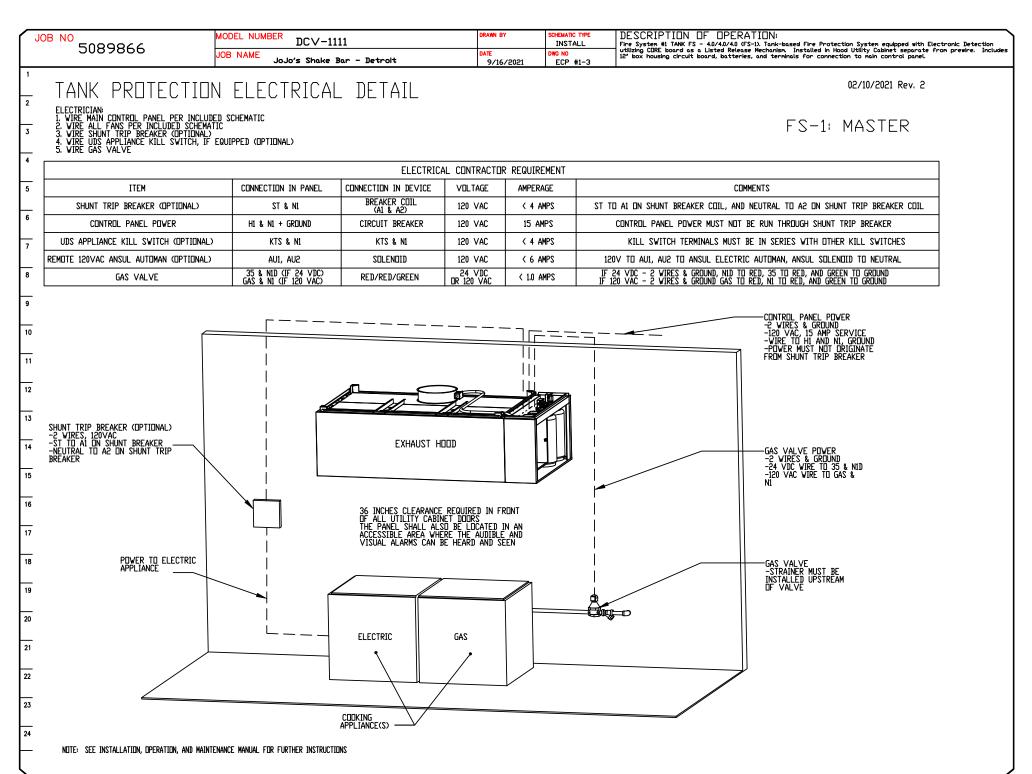
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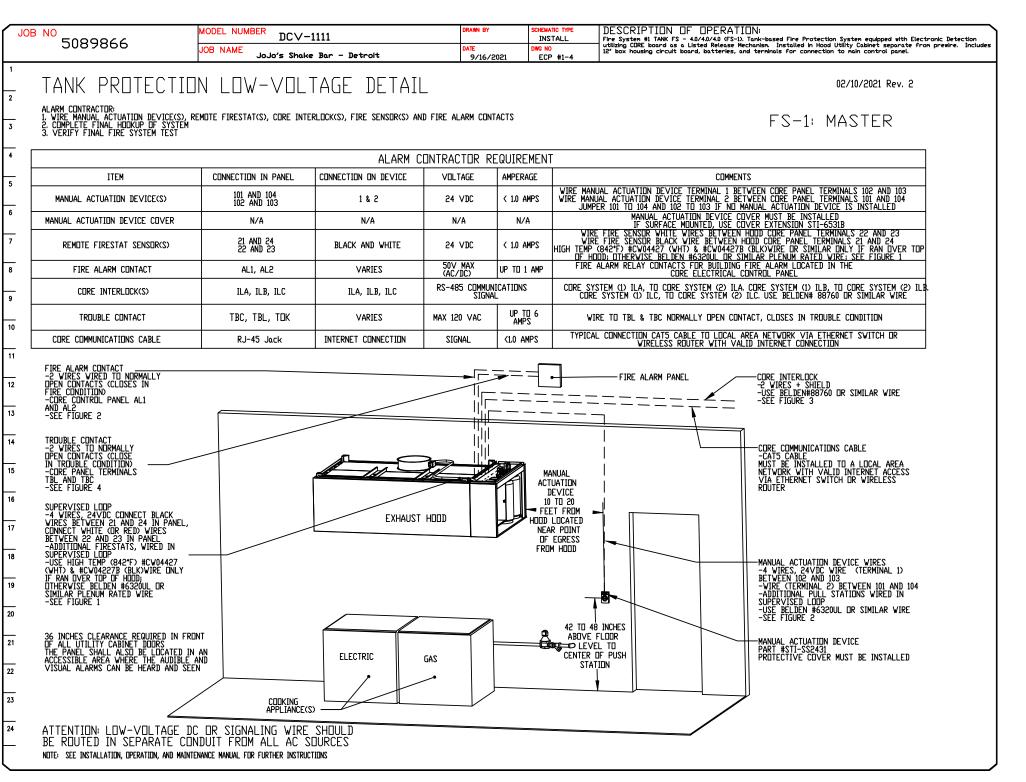
MECHANICAL KITCHEN **EQUIPMENT**













SEAL:

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License No.
6201310266

CLIENT APPROVAL:

DATE:

DATE

12/22/2021

MECHANICAL KITCHEN EQUIPMENT

PROJECT:

DATE: 9/16/2021

DRAWN BY: WEM

DWG.#: 5089866

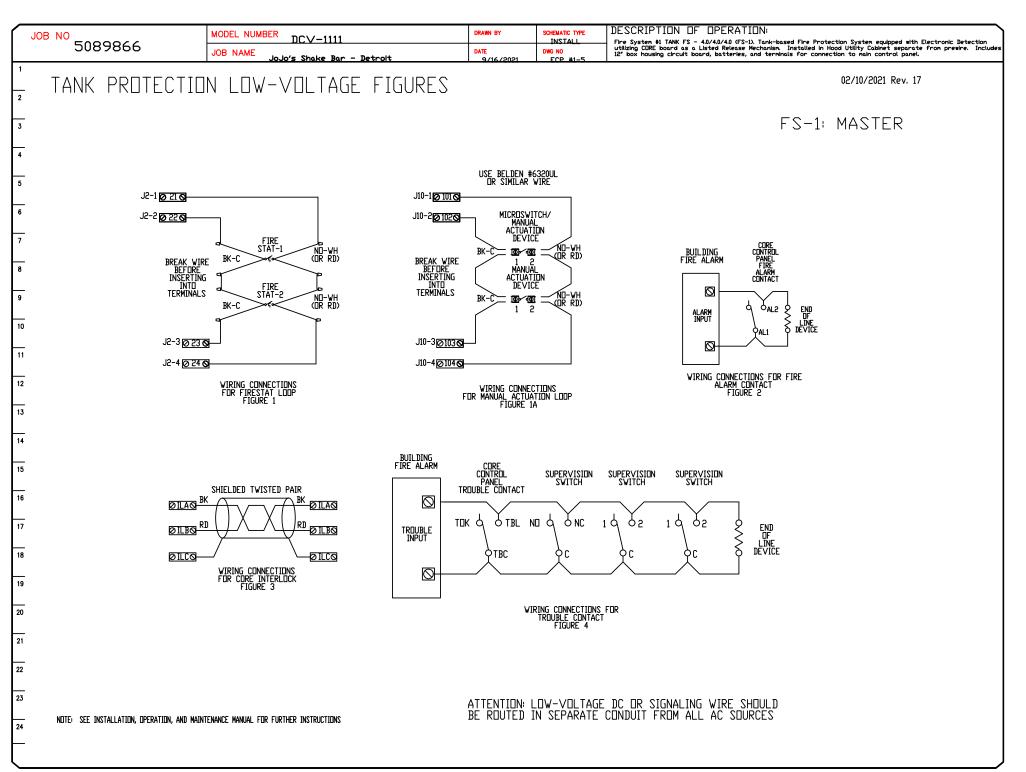
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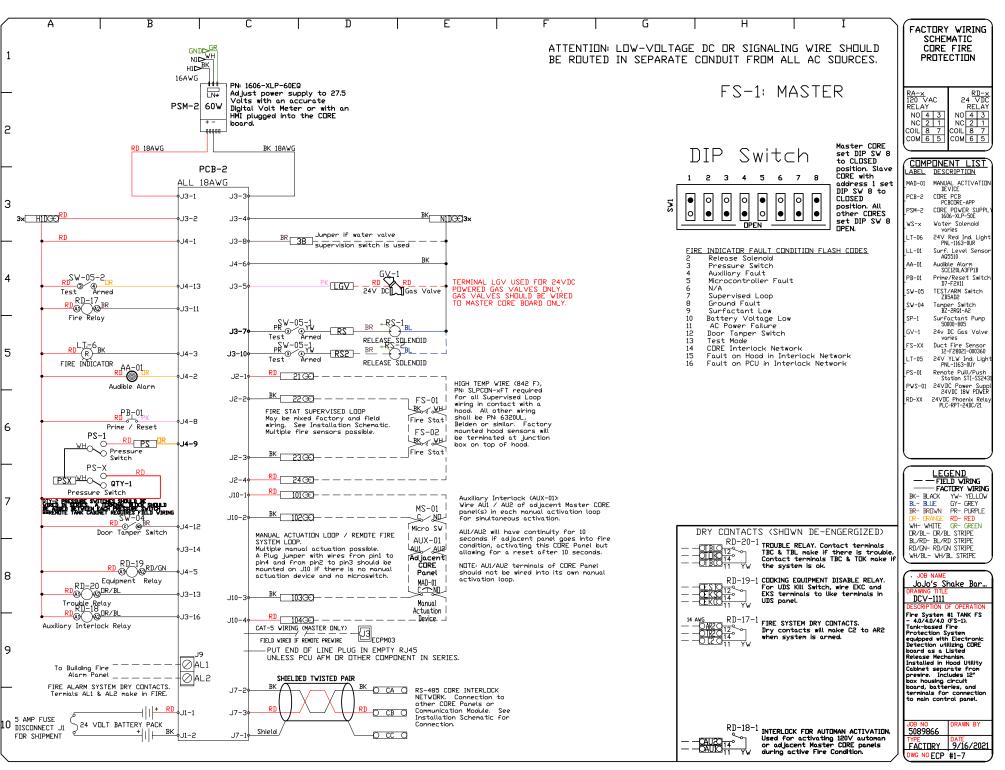
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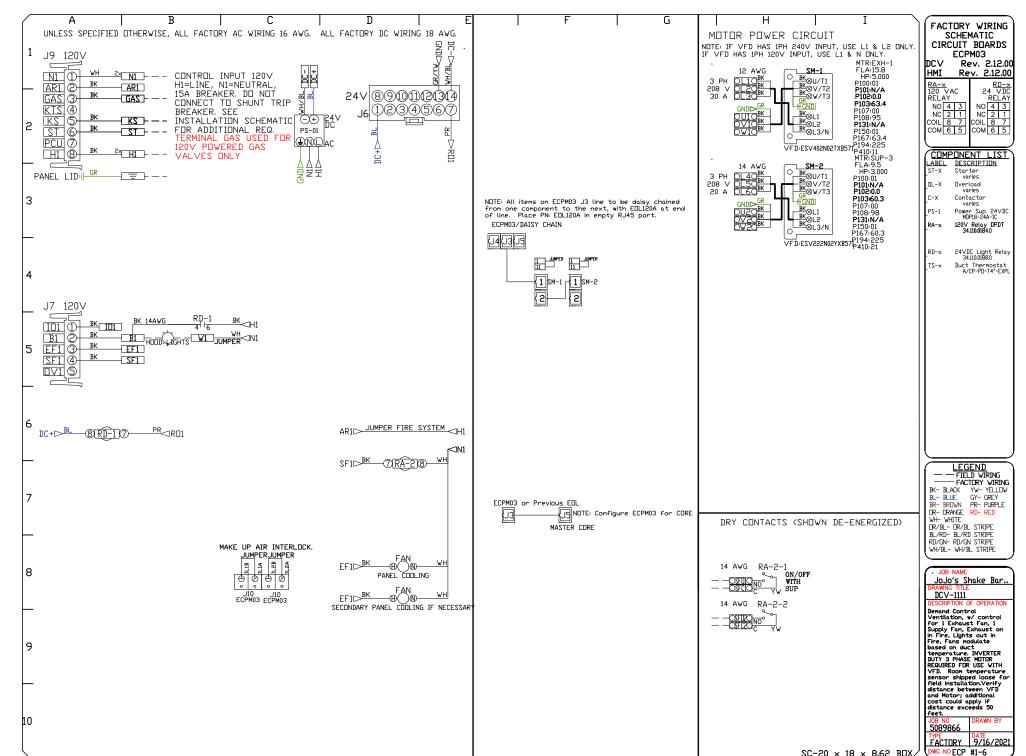
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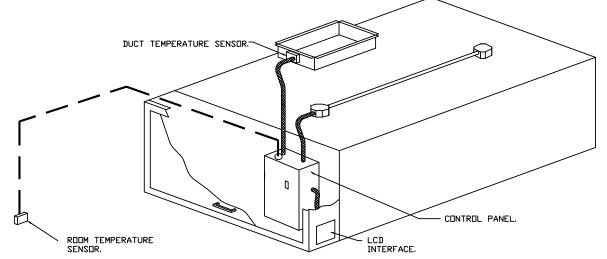






DEMAND CONTROL VENTILATION HOOD CONTROL PANEL SPECIFICATIONS:
- CONTROLS SHALL BE LISTED BY ETL (UL 508A) AND SHALL COMPLY WITH DEMAND VENTILATION SYSTEM TURNDOWN REQUIREMENTS OUTLINED IN IECC 403.2.8 (2015).

- THE CONTROL ENCLOSURE SHALL BE NEMA 1 RATED AND LISTED FOR INSTALLATION INSIDE OF THE EXHAUST HOOD UTILITY CABINET. THE CONTROL ENCLOSURE MAY BE CONSTRUCTED OF STAINLESS STEEL
- TEMPERATURE PROBE(S) LOCATED IN THE EXHAUST DUCT RISER(S) SHALL BE CONSTRUCTED OF STAINLESS STEEL.
- A DIGITAL CONTROLLER SHALL BE PROVIDED TO ACTIVATE THE HOOD EXHAUST FANS DYNAMICALLY BASED ON A FIXED DIFFERENTIAL BETWEEN THE AMBIENT AND DUCT TEMPERATURES SENSORS, THIS FUNCTION SHALL MEET THE REQUIREMENTS OF IMC 507.1.1.
- A DIGITAL CONTROLLER SHALL PROVIDE ADJUSTABLE HYSTERESIS SETTINGS TO PREVENT CYCLING OF THE FANS AFTER THE COOKING APPLIANCES HAVE BEEN TURNED OFF AND/OR THE HEAT IN THE EXHAUST
- A DIGITAL CONTROLLER SHALL PROVIDE AN ADJUSTABLE MINIMUM FAN RUN-TIME SETTING TO PREVENT FAN
- VARIABLE FREQUENCY DRIVES (VFDS) SHALL BE PROVIDED FOR FANS AS REQUIRED. THE DIGITAL CONTROLLER SHALL MODULATE THE VEDS BETWEEN A MINIMUM SETPOINT AND A MAXIMUM SETPOINT ON DEMAND. THE DUCT TEMPERATURE SENSOR INPUT(S) TO THE DIGITAL CONTROLLER SHALL BE USED TO CALCULATE THE SPEED REFERENCE SIGNAL.
- THE VFD SPEED RANGE OF OPERATION SHALL BE FROM 0% TO 100% FOR THE SYSTEM, WITH THE ACTUAL MINIMUM SPEED SET AS REQUIRED TO MEET MINIMUM VENTILATION REQUIREMENTS.
- AN INTERNAL ALGORITHM TO THE DIGITAL CONTROLLER SHALL MODULATE SUPPLY FAN VFD SPEED PROPORTIONAL TO ALL EXHAUST FANS THAT ARE LOCATED IN THE SAME FAN GROUP AS THE SUPPLY FAN.
- THE SYSTEM SHALL OPERATE IN PREP MODE DURING LIGHT COOKING LOAD OR COOL DOWN MODE WHEN SUFFICIENT HEAT REMAINS UNDERNEATH THE HOOD SYSTEM AFTER COOKING OPERATIONS HAVE COMPLETED, OPERATION DURING EITHER OF THESE PERIODS WILL DISABLE THE SUPPLY FANS AND PROVIDE AN EXHAUST FAN SPEED THAT IS EQUAL TO THE MINIMUM VENTILATION REQUIREMENT.
- A DIGITAL CONTROLLER SHALL DISABLE THE SUPPLY FAN(S), ACTIVATE THE EXHAUST FAN(S), ACTIVATE THE APPLIANCE SHUNT TRIP, AND DISABLE AN ELECTRIC GAS VALVE AUTOMATICALLY WHEN FIRE CONDITION
- A DIGITAL CONTROLLER SHALL ALLOW FOR EXTERNAL BMS FAN CONTROL VIA DRY CONTACT (EXTERNAL CONTROL SHALL NOT OVERRIDE FAN OPERATION LOGIC AS REQUIRED BY CODE).
- AN LCD INTERFACE SHALL BE PROVIDED WITH THE FOLLOWING FEATURES: A. DN/DFF PUSH BUTTON FAN & LIGHT SWITCH ACTIVATION. INTEGRATED GAS VALVE RESET FOR ELECTRONIC GAS VALVES (NO RESET RELAY REQUIRED). VFD FAULT DISPLAY WITH AUDIBLE & VISUAL ALARM NOTIFICATION. DUCT TEMPERATURE SENSOR FAILURE DETECTION WITH AUDIBLE & VISUAL ALARM NOTIFICATION. MIS-WIRED DUCT TEMPERATURE SENSOR DETECTION WITH AUDIBLE & VISUAL ALARM NOTIFICATION.
- A SINGLE LOW VOLTAGE CAT-5 RJ45 WIRING CONNECTION. G. AN ENERGY SAVINGS INDICATOR THAT UTILIZES MEASURED KWH FROM THE VFDS.



TYPICAL HOOD CONTROL PANEL INSTALLATION

SEQUENCE OF OPERATIONS: THE HOOD CONTROL PANEL IS CAPABLE OF OPERATING IN ONE OR MORE OF THE FOLLOWING STATES AT ANY GIVEN TIME: AUTOMATIC: THE SYSTEM OPERATES BASED ON THE DIFFERENTIAL BETWEEN ROOM TEMPERATURE AND THE TEMPERATURE AT THE HOOD CAVITY OR EXHAUST DUCT COLLAR, FANS ACTIVATE AT A CONFIGURABLE TEMPERATURE DIFFERENTIAL THRESHOLD. DEPENDING ON THE JOB CONFIGURATION EACH FAN ZONE CAN BE CONFIGURED AS STATIC OR DYNAMIC. THESE TERMS REFER TO WHETHER A VARIABLE MOTOR (SUCH AS EC MOTORS OR VFD DRIVEN MOTORS) MODULATE WITH TEMPERATURE, IF THE PANEL IS EQUIPPED WITH VARIABLE SPEED FANS AND THE ZONE IS DEFINED AS "DYNAMIC", THESE WILL MODULATE WITHIN A USER-DEFINED RANGE BASED ON THE TEMPERATURE DIFFERENTIAL, PANELS EQUIPPED WITH VARIABLE SPEED FANS AND A FAN ZONE DEFINED AS "STATIC", FANS WILL RUN AT A SET SPEED CALCULATED FOR THE DRIVE, DEMAND CONTROL VENTILATION SYSTEMS ARE CAPABLE OF MODULATING EXHAUST AND MAKE UP AIR FAN SPEEDS PER THE REQUIREMENTS DUTLINED IN IECC 403.2.8.

- MANUAL: THE SYSTEM OPERATES BASED ON HUMAN INPUT FROM AN HMI.
- SCHEDULE: A WEEKLY SCHEDULE CAN BE SET TO RUN FANS FOR A SPECIFIED PERIOD THROUGHOUT THE DAY. THERE ARE THREE OCCUPIED TIMES PER DAY TO ALLOW FOR THE USER TO SET UP A TIME THAT IS SUITABLE TO THEIR NEEDS. ANY TIME THAT IS WITHIN THE DEFINED OCCUPIED TIME, THE SYSTEM WILL RUN AT MODULATION MODE AND FOLLOW THE FAN PROCEDURE ALGORITHM BASED ON TEMPERATURE DURING THIS TIME. DURING UNDCCUPIED TIME, THE SYSTEM WILL HAVE AN EXTRA DFFSET TO PREVENT UNINTENDED ACTIVATION OF THE SYSTEM DURING A TIME WHERE THE SYSTEM IS NOT BEING OCCUPIED.
- OTHER: THE SYSTEM OPERATES BASED ON THE INPUT FROM AN EXTERNAL SOURCE (DDC, BMS OR HARD-WIRED INTERLOCK).
- FIRE: UPON ACTIVATION OF THE HOOD FIRE SUPPRESSION SYSTEM, THE EXHAUST FAN WILL COME ON OR CONTINUE TO TO RUN, THE HOOD MAKEUP AIR WILL SHUTDOWN, AND A SIGNAL WILL BE SENT FOR ACTIVATING THE SHUNT TRIP BREAKER PROVIDED BY THE ELECTRICIAN, FUEL GAS WILL SHUT OFF VIA A MECHANICAL/ELECTRICAL GAS VALVE ACTUATED BY THE HOOD FIRE SUPPRESSION SYSTEM.

SYSTEM DESIGN VERIFICATION (SDV)

DISCREPANCIES.

IF ORDERED, CAS SERVICE WILL PERFORM A SYSTEM DESIGN VERIFICATION (SDV) ONCE ALL EQUIPMENT HAS HAD A COMPLETE START UP PER THE OPERATION AND INSTALLATION MANUAL. TYPICALLY, THE SDV WILL BE PERFORMED AFTER ALL INSPECTIONS ARE COMPLETE.

ANY FIELD RELATED DISCREPANCIES THAT ARE DISCOVERED DURING THE SDV WILL BE BROUGHT TO

- ATTENTION OF THE GENERAL CONTRACTOR AND CORRESPONDING TRADES ON SITE. THESE ISSUES WILL BE DOCUMENTED AND FORWARDED TO THE APPROPRIATE SALES OFFICE. IF CAS SERVICE HAS
- RESOLVE A DISCREPANCY THAT IS A FIELD ISSUE, THE GENERAL CONTRACTOR WILL BE NOTIFIED AND BILLED FOR THE WORK, SHOULD A RETURN TRIP BE REQUIRED DUE TO ANY FIELD RELATED

DISCREPANCY THAT CANNOT BE RESOLVED DURING THE SDV, THERE WILL BE ADDITIONAL TRIP

CHARGES. DURING THE SDV, CAS SERVICE WILL ADDRESS ANY DISCREPANCY THAT IS THE FAULT OF THE MANUFACTURER, SHOULD A RETURN TRIP BE REQUIRED, THE GENERAL CONTRACTOR AND APPROPRIATE SALES OFFICE WILL BE NOTIFIED. THERE WILL BE NO ADDITIONAL CHARGES FOR MANUFACTURER

REVISIONS

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1147 WEST OHIO STREET, SUITE 103 CHICAGO, ILLINOIS 60642 PHONE: 312.573.2490 | FAX: 312.573.2491 www.dk-arch.com MEP ENGINEER: ASFANDYAR KHAN aykhan90@gmail.com 331.481.1616

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JOJO'S SHAKE BAR 23 W HUBBARD ST CHICAGO, IL 60654

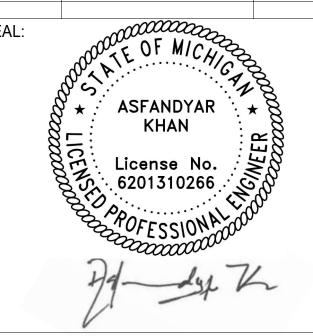
PROJECT NAME:

JOJO'S DETROIT

LOCATION:

88 W COLUMBIA ST DETROIT, MI 48201

ISSUE # **ISSUED FOR:** DATE ISSUED FOR PERMIT 12/22/2021 SEAL:

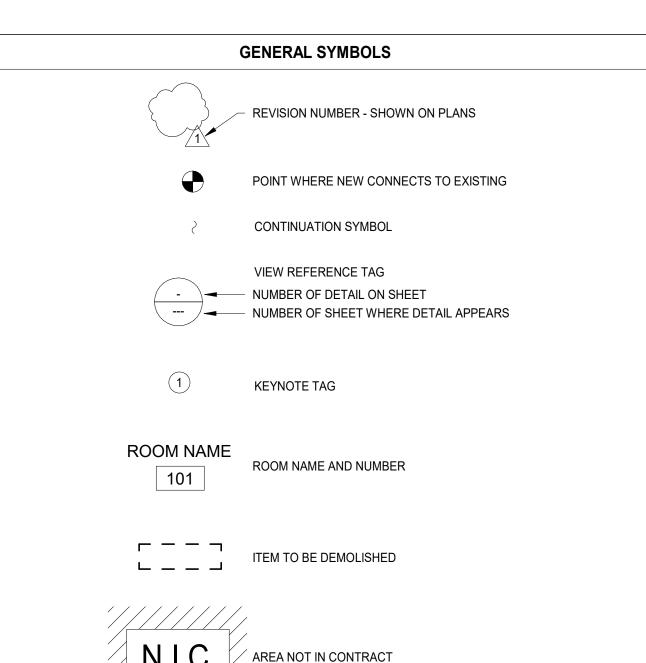


CLIENT APPROVAL DATE:

MECHANICAL KITCHEN

PROJECT:

EQUIPMENT





ABBREVIATIONS

PIPE SYMBOLS PIPE SIZE TAG (DIAMETER) └─ INV. ELEV:-7' - 10 5/16" PIPE INVERT ELEVATION TAG — EXISTING PIPE — — — — — PIPING BEING DEMOLISHED ——CW—— — DOMESTIC COLD WATER ——HW———— DOMESTIC HOT WATER ——HWR— — — DOMESTIC HOT WATER RETURN - - - V- - - - - - - SANITARY VENT ——SAN——— SANITARY SEWER STORM DRAINAGE STORM DRAINAGE-OVERFLOW PIPE ELBOW (TURNED DOWN) PIPE TEE UP PIPE TEE DOWN PIPE ELBOW (TURNED UP) 1/8" / 12" SLOPE REDUCING 45 DEGREE TEE 45 DEGREE TEE FLOOR DRAIN FIXTURE DRAIN TAG 6" FD-2 📗 TYPE (SEE SCHEDULE) - X" V UP THRU FLOOR ROOF DRAIN FIXTURE DRAIN SIZE (4" ORD-1) - 4" RD-1 DRAIN TAG - TYPE (SEE SCHEDULE) PLUMBING FIXTURE PLUMBING FIXTURE TAG TYPE (SEE SCHEDULE) FLOW MEASURING AND BALANCING DEVICE BALL VALVE (2" & SMALLER) 7 CHECK VALVE \rightarrow GATE VALVE VALVE W/ BALANCING PORTS PLUG VALVE (GAS COCK) THERMOSTATIC MIXING VALVE PRESSURE GAUGE THERMOMETER (W/ PIPE WELL) STRAINER MIXING VALVE P & T IN LINE PUMP PITCH OF PIPE (DOWN)

- ALL NEW WORK AND MATERIALS SHALL CONFIRM TO STATE AND CITY PUMBING CODE AND 2015
- MICHIGAN PLUMBING CODE. ALL VENTS ARE TO BE MIN 10'-0" AWAY FROM OUTSIDE AIR INTAKES. THROUGHOUT THE COURSE OF THE WORK, THE BUILDING OWNER MAY REQUEST MINOR CHANGES AND
- ADJUSTMENTS TO THE PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL MAKE SUCH ADJUSTMENTS WITHOUT ADDITIONAL COST TO THE BUILDING OWNER. WHERE SUCH ADJUSTMENTS ARE NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OF THE SYSTEMS AND WITHIN THE INTENT OF THE CONTRACT DOCUMENTS.
- IT IS THE INTENT OF THE PLANS AND SPECIFICATIONS TO FORM A GUIDE FOR A COMPLETE INSTALLATION. EVERYTHING NECESSARY FOR THE COMPLETION AND SUCCESSFUL OPERATION OF THE WORK, WHETHER OR NOT DEFINITELY SPECIFIED OR INDICATED ON THE DRAWINGS SHALL BE PROVIDED AS IF SO SPECIFIED OR INDICATED WITHOUT ADDITIONAL COST TO THE BUILDING OWNER. THE
- MECHANICAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO INSTALLATION. NOTWITHSTANDING ANY OTHER PROVISIONS OF THE CONTRACT DOCUMENTS, THE CONTRACTOR BEARS ULTIMATE RESPONSIBILITY FOR COMPLIANCE OF THE INSTALLATION WITH THE REQUIREMENTS OF THE BUILDING OWNER AND OF THE LOCAL AUTHORITY HAVING JURISDICTION.
- CONTRACTORS SHALL SUBMIT COMPLETE COORDINATED FLOOR PLAN SHOP DRAWINGS OF PROPOSED WORK INSTALLATION (1/4 INCH MINIMUM SCALE) FOR REVIEW BY ARCHITECT / ENGINEER/OWNER. "COORDINATED" MEANS WITH WORK OF ALL OTHER TRADES INCLUDING PROPOSED FEATURES OF THE GENERAL BUILDING CONSTRUCTION AND OTHER TRADE'S WORK.
- IF ANY ERRORS, DISCREPANCIES OR OMISSIONS APPEAR IN THE DRAWINGS, SPECIFICATIONS OR OTHER CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF SUCH ERROR OR OMISSION. IN THE EVENT OF THE CONTRACTOR FAILING TO GIVE SUCH NOTICE BEFORE CONSTRUCTION AND/ OR FABRICATION OF THE WORK, THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE RESULTS OF ANY SUCH ERRORS, DISCREPANCIES OR EMISSIONS AND THE ASSOCIATED COST
- THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF ALL STATE AND LOCAL CODES REGULATING THIS WORK. HOWEVER, THIS SHALL NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR FROM COMPLYING WITH ANY REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS THAT MAY BE IN
- EXCESS OF ANY GOVERNING CODES. ALL CONSTRUCTION WORK SHALL BE PERFORMED IN A FIRST CLASS WORKMANLIKE MANNER AND SHALL BE IN GOOD HANDS AND USABLE CONDITION AT THE DATE OF COMPLETION. THE CONTRACTOR SHALL REQUIRE ANY PERSONS PERFORMING ANY SUCH WORK TO GUARANTEE THE SAME TO BE FREE FROM ANY AND ALL DEFECTS IN WORKMANSHIP AND MATERIALS FOR ONE (1) YEAR FROM THE DATE OF COMPLETION THEREOF. PROVIDE A FIVE YEARS PARTS AND LABOR WARRANTY FOR CONDENSING UNIT COMPRESSOR. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE REPLACEMENT OR REPAIR WITHOUT ANY ADDITIONAL COST TO ANY AND ALL WORK DONE OR FURNISHED BY OR THROUGH SUCH PERSONS WHICH SHALL BECOME DEFECTIVE WITHIN ONE (1) YEAR AFTER SUBSTANTIAL COMPLETION OF WORK. THE CORRECTION OF SUCH WORK SHALL INCLUDE WITHOUT ADDITIONAL COST. ALL EXPENSES AND DAMAGES IN CONNECTION WITH SUCH REMOVAL, REPLACEMENT OR REPAIR OF ANY PART OF THE WORK WHICH MAY BE DAMAGED OR DISTURBED THEREBY.
- ALL WARRANTIES OR GUARANTEES AS TO MATERIALS OR WORKMANSHIP WITH RESPECT TO THE BUILDING OWNER'S WORK SHALL BE WRITTEN SO THAT SUCH WARRANTIES OR GUARANTEES SHALL BE TO ENSURE THE BENEFIT OF BOTH BUILDING OWNER AND TENANT AS THEIR RESPECTIVE INTERESTS APPEAR AND CAN BE DIRECTLY ENFORCED BY EITHER.

NOTES

BIDDING NOTES

- IT IS THE INTENTION OF THESE PLANS AND SPECIFICATIONS TO COVER ALL ITEMS REQUIRED TO MAKE A COMPLETE AND OPERATIVE SYSTEMS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FURNISH ALL LABOR, EQUIPMENT, PERMITS, LICENSES, SERVICES, ETC., REQUIRED TO ACCOMPLISH THESE RESULTS. ANYTHING WHICH MAY BE CONSTRUED AS A NECESSARY PART OF THE INSTALLATION SHALL BE INCLUDED, EVEN IF IT IS NOT SPECIFICALLY SHOWN OR MENTIONED.
- BEFORE SUBMITTING A BID, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, ELEVATIONS, AND CHARACTERISTICS OF ALL UTILITIES AND PIPING AND SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
 - CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND SHALL NOTIFY THE ENGINEER OF ANY
- DISCREPANCIES WITH CONTRACT DOCUMENTS BEFORE COMMENCING ANY WORK. IF THERE ARE ANY DISCREPANCIES BETWEEN NOTES, SPECIFICATIONS, AND DRAWINGS, CONTRACTOR SHALL NOTIFY ENGINEER BEFORE COMMENCEMENT OF WORK.
- ALL WORK SHALL CONFORM TO APPLICABLE CODES. IN CASE OF CONFLICT WITH CODES, DRAWINGS, AND/OR SPECIFICATIONS, THE MORE STRINGENT SHALL PREVAIL. IF NOT RESOLVED, CONTACT ENGINEER BEFORE SUBMITTING A BID.
- THE IMPACT OF DUCT OR PIPE PENETRATIONS AND THE WEIGHT OF THE MECHANICAL OR PLUMBING EQUIPMENT ON THE BUILDING STRUCTURE SHALL BE VERIFIED BY A REGISTERED STRUCTURAL ENGINEER PRIOR TO COMMENCING THE WORK. THESE PLANS DO NOT REFLECT ANY STRUCTURAL CONSIDERATION OF ANY KIND.
- ALL ANCHORS AND SLAB PENETRATIONS MUST BE REVIEWED WITH REGISTERED STRUCTURAL ENGINEER PRIOR TO INSTALLATION.
- ANY AND ALL REQUEST FOR CHANGE(S), SUBSTITUTION(S) OR ALTERATION(S) OF ANY KIND TO THE EQUIPMENT, COMPONENTS, SPECIFICATIONS, AND DEVIATION FROM THE GENERAL CONCEPT OF DESIGN REFLECTED ON THESE DRAWINGS, SHALL BE MADE IN WRITING. NO VERBAL APPROVAL OR AGREEMENT EITHER DIRECTLY OR INDIRECTLY IMPLIED SHALL BE TAKEN AS OFFICIAL RESPONSE FROM

CONTRACTOR NOTES

- ALL WORK SHALL BE INSTALLED AND ALL MATERIALS SHALL BE IN STRICT ACCORDANCE WITH ALL
- APPLICABLE RULES AND REGULATIONS OF 2015 MICHIGAN PLUMBING CODE. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO COORDINATE ALL INSPECTIONS WITH THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH STATE PLUMBING INSPECTORS AND THE LOCAL PLUMBING INSPECTOR
- EXACT LOCATION OF PLUMBING FIXTURES AND DEVICES SHALL BE VERIFIED WITH BUILDING STRUCTURE, ARCHITECT, GENERAL AND CABINETRY EQUIPMENT CONTRACTOR PRIOR TO STARTING ANY WORK.
- PITCH ALL SUPPLY AND RETURN WATER LINES TO DRAIN COMPLETELY THROUGH LOWER EQUIPMENT FIXTURES, UNIONS, OR DRAIN VALVES. INSTALL A 1/2" DRAIN VALVE WITH 3/4" HOSE THREAD OUTLET IN ALL MAIN PIPING RUNS WHICH WOULD NOT BE ABLE TO DRAIN THRU A LOWER PIECE OF EQUIPMENT.
- ALL VENT AND WASTE PIPING SIZES ARE MINIMUM. ADDITIONAL VENTS SHALL BE ADDED AND/OR PIPE SIZE INCREASED AS REQUIRED BY APPLICABLE CODES, STATUTES AND REGULATIONS, ETC. WITHOUT ADDITIONAL COST TO THE OWNER.
- STERILIZATION: UPON COMPLETION OF TESTING AND FLUSHING OF NEW DOMESTIC WATER PIPING, THE CONTRACTOR SHALL STERILIZE ALL WATER PIPING INCLUDING ALL DOMESTIC HOT WATER SUPPLY AND RETURN AND ALL DOMESTIC COLD WATER PIPING. CONTRACTOR SHALL FURNISH AND INSTALL ALL TEMPORARY TAPPINGS, VALVE OPENINGS, DRAIN FITTINGS, ETC., AS REQUIRED TO STERILIZE THE WATER PIPING, INCLUDING ALL REQUIRED EXCAVATION WORK, FITTING AND LABOR. WATER PIPING SHALL BE FLUSHED AND CHLORINATED AS SPECIFIED IN AWWA-C-601-54 STANDARD PROCEDURE FOR DISINFECTING WATER MAINS AND AS REQUIRED BY ILLINOIS DEPARTMENT OF PUBLIC HEALTH. DISINFECTING SHALL NOT BE DEEMED COMPLETED UNTIL SATISFACTORY BACTERIOLOGICAL
- ANALYSIS REPORTS ARE RECEIVED FOR SAMPLES OF WATER COLLECTED AND TESTED FROM THE NEW WATER PIPING SYSTEM ALL BY PLUMBING CONTRACTOR. PLUMBING CONTRACTOR SHALL COORDINATE THE INSTALLATION OF PVC PIPING WITH THE MECHANICAL
- SYSTEMS. PVC PIPING SHALL NOT BE USED IN PLENUM CEILINGS UNLESS WRAPPED USING UL-910 & ASTM-E84 3M PLENUM WRAP 5A OR APPROVED EQUAL. PVC PIPING SHALL NOT BE ALLOWED ABOVE WOOD FLOOR OR IN AREAS WHERE IMPACT DAMAGE CAN
- OCCUR SUCH AS GYMNASIUMS. PVC PIPING SHALL NOT BE ALLOWED FOR SANITARY PIPING SYSTEMS ABOVE OR BELOW GRADE IN APPLICATION WHERE FLOOR DRAINS IN BOILER ROOMS AND MECHANICAL ROOMS CAN RECEIVE WASTE WITH WATER TEMPERATURE EXCEEDING 140 DEGREES. CAST IRON PIPING SHALL BE USED TO A POINT
- IN THE SYSTEM WHERE THE WASTE CAN BE MIXED DOWN TO A TEMPERATURE LESS THEN 140 DEGREES. INSTALL POTABLE WATER PROTECTION DEVICES ON PLUMBING PIPING WHERE CONTAMINATION OF DOMESTIC WATER MAY OCCUR INCLUDING BUT NOT LIMITED TO BOILER FEED LINES, CLEANING CHEMICAL EQUIPMENT, FIRE SPRINKLER SYSTEMS, IRRIGATION SYSTEMS, FLUSH VALVES, INTERIOR OR
- EXTERIOR HOSE CONNECTIONS, FOOD SERVICE EQUIPMENT, ICE MAKERS. INSTALL AIR CHAMBERS ON ALL COLD AND HOT WATER SUPPLY PIPING TO EACH FIXTURE FABRICATED
- FROM SAME SIZE PIPE SERVING FIXTURE (MIN. 3/4") AND MINIMUM 18" LONG. ALL EXISTING PIPING INFORMATION SHOWN ON THIS DRAWING HAS BEEN OBTAINED FROM OWNER'S EXISTING CONSTRUCTION DOCUMENTS AND LIMITED FIELD SURVEY. EXACT LOCATION OF EXISTING SANITARY/STORM LINES, WATER LINES, VENT LINES, VALVES AND ALL PIPE SIZES SHALL BE FIELD VERIFIED BEFORE STARTING INSTALLATION. FOR UNDERGROUND PIPING, CONTRACTOR SHALL FIELD VERIFY EXISTING PIPE LOCATIONS, CONNECTION LOCATION, SIZE, DIRECTION OF FLOW, AND DEPTH VIA PIPE LOCATING/TELEVISING EQUIPMENT AS REQUIRED PRIOR TO SAW CUTTING OF FLOOR OR BEGINNING WORK. CONTRACTOR'S BID SHALL INCLUDE SAW CUTTING, PATCHING TO MATCH EXISTING, PIPING, LABOR, ETC. TO LOCATE, MAKE CONNECTIONS TO EXISTING UNDERFLOOR PIPING, OR CAP EXISTING UNDERFLOOR PIPING WITHIN 10 FEET OF LOCATION SHOWN ON DRAWINGS. IF LOCATION SHOWN FOR ANY CONNECTION DOES NOT EXIST OR IS NOT ACCESSIBLE, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER IMMEDIATELY.
- DISCONNECT AND REMOVE INDICATED EXISTING PLUMBING FIXTURES, CAP DRAINAGE PIPING BELOW FLOOR AT POINT OF CONNECTION WITH EXISTING STACK, CAP VENT ABOVE CEILING AT POINT OF CONNECTION WITH EXISTING STACK. DISCONNECT AND REMOVE WATER PIPING. CAP BRANCHES AT POINT OF CONNECTION WITH WATER MAINS, (V.I.F.)
- REFER TO ARCHITECTURAL DEMOLITIONS DRAWINGS FOR MORE INFORMATION. REMOVAL AND DEMOLITION ITEMS AND AREAS INDICATED ON THIS DRAWING ARE MINIMUN INDICATIONS TO SHOW "BASIS OF DESIGN." ADDITIONAL DEMOLITION THAT IS NOT SHOWN MAY BE REQUIRED FOR THE WORK INCLUDED IN THIS PROJECT. THE CONTRACTOR IS TO INCLUDE ALL DEMOLITION IN THE PROJECT AS REQUIRED TO FULLY EXECUTE THE WORK. NO EXTRA COMPENSATION WILL BE ALLOWED FOR
- DEMOLITION WORK THAT COULD HAVE BEEN ANTICIPATED AT THE TIME OF BID. A TEST OF AT LEAST A (10) FOOT OF HEAD OF WATER SHALL BE PROVIDED FOR THE DRAINAGE AND VENT SYSTEMS. THE WATER SHALL BE KEPT IN THE SYSTEM OR IN THE PORTION BEING TESTED FOR AT LEAST 15 MINUTES BEFORE INSPECTION STARTS; AND INSPECTION OR TESTING OF THE SYSTEM SHALL
- CONFIRM THAT THE SYSTEM IS TIGHT AT ALL POINTS. ALL THE (RPZ'S) REDUCED PRESSURE BACK FLOW PREVENTERS ASSEMBLIES SHALL BE TESTED AN APPROVED BY A CROSS CONNECTION CONTROL DEVICE INSPECTOR (CCCDI), BEFORE OPERATIONS, AND AT LEAST ONE TIME PER YEAR THEREAFTER.
- ONLY A LICENSED PLUMBER SHALL INSTALL THE REDUCED PRESSURE BACK FLOW PREVENTER DETECTOR ASSEMBLY. THE INSTALLATION SHALL COMPLY WITH THE ILLINOIS POLLUTION CONTROL BOARD ADMINISTRATION RULES FOR TITLE 35.
- NONE OF THE BACK FLOW PREVENTERS SHALL BE INSTALLED VERTICALLY. ONLY HORIZONTAL DEVICES ARE TO BE USED. ALL THERMOSTATIC MIXING VALVES SHALL BE SET TO A TEMPERATURE NO MORE THEN 110°F.
- LAVATORIES SHALL NOT HAVE EXPOSED WATER, WASTE, OR ABRASIVE SURFACES, BUT SHALL BE COVERED WITH PROTECTIVE GUARDS. REDUCED PRESSURE BACK FLOW PREVENTER (RPZ) SHALL BE INSTALLED IN A DEDICATED WATER
- SUPPLY LINE AND SHUT OFF VALVES TO EACH LOCATION WHERE SANITIZING CHEMICALS OR DETERGENTS WILL BE ASPIRATED OR PUSHED BY WATER PRESSURE INTO CLEANSING/SANITIZING OPERATION UNITS.
- "SPILL-PROOF" OR PRESSURE VACUUM BREAKERS ARE PROHIBITED IN ILLINOIS. WASTE AND VENT PIPING SYSTEMS SHALL BE TESTED BY CLOSING OPENINGS IN PIPING SYSTEM AND
- FILLED WITH WATER TO POINT OF OVERFLOW, BUT NOT LESS THAN 10-FOOT HEAD OF WATER. INSTALLER AGREES TO REPAIR OR REPLACE PRODUCTS THAT FAIL DUE TO POOR WORKMANSHIP OR FAULTY INSTALLATION WITHIN SPECIFIED WARRANTY PERIOD. WARRANTY PERIOD WILL BE ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION.
- 26. ALL EXISTING SANITARY THAT ARE RECIEVING A NEW CONNECTION SHALL BE TELEVISED TO VERIFY LOCATION, INVERT, SIZE ARE CORRECT. IF LOCATION SHOWN DOES NOT EXIST OR INVERT CAN NOT BE MET, ENGINEER, ARCHITECT, AND CONSTRUCTION MANANGER SHALL BE NOTIFIED IMMEDIATLEY. TELEVISED FOOTAGE SHALL BE GIVEN TO ALL PARTIES TO REVIEW
- 3M FIRE WRAPPING WILL BE INCORPORATED FOR NEW AND EXISTING PIPING WITHIN A PLENUM. NO DEAD END SHALL EXCEED A DEVELOPED LENGTH OF TWO FEET LONG FOR ABANDONED SANITARY AND DOMESTIC WATER LINES.

147 west ohio street suite 103 chicago, il 60642

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1147 WEST OHIO STREET, SUITE 103 CHICAGO, ILLINOIS 60642 PHONE: 312.573.2490 | FAX: 312.573.2491 www.dk-arch.com

MEP ENGINEER: ASFANDYAR KHAN aykhan90@gmail.com 331.481.1616

JOJO'S SHAKE BAR 23 W HUBBARD ST

PROJECT NAME:

CHICAGO, IL 60654

JOJO'S DETROIT

LOCATION:

88 W COLUMBIA ST DETROIT MI 48201

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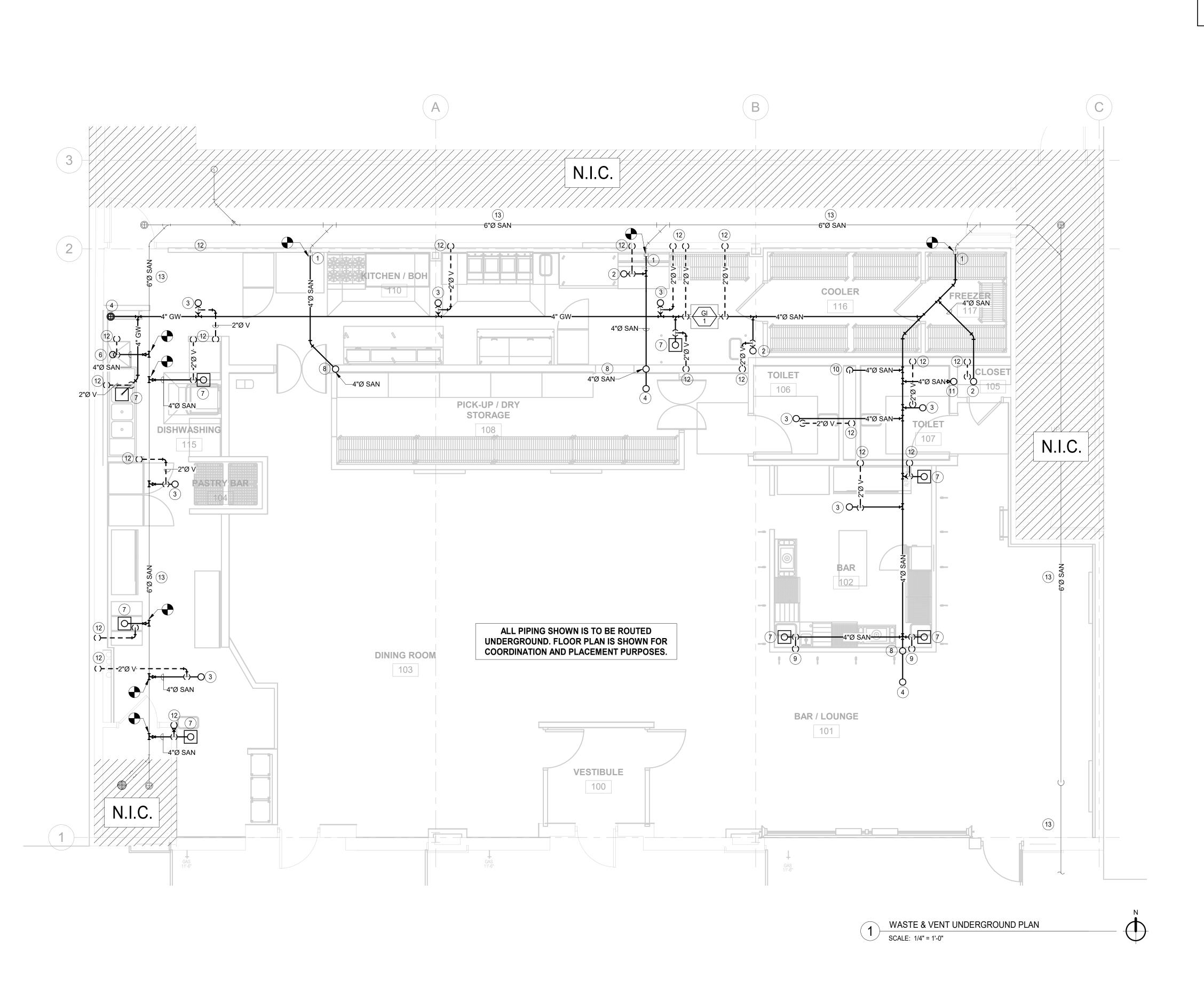
DATE:

TITLE: NOTES & SYMBOLS

PROJECT:

SHEET

ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET.THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.



(#) KEYNOTES 1 CONNECT TO EXISTING CAPPED SAN. 2 UP TO OPEN HUB DRAIN. 3 UP TO FLOOR DRAIN. 4 UP TO FLOOR CLEANOUT. 6 UP TO MOP SINK. 7 UP TO FLOOR SINK. 8 UP TO HAND SINK 1 1/2" ABOVE FLOOR. 4" BELOW FLOOR. 9 VENT UP IN BAR DIE WALL. 10 UP TO SERVE TOILET FIXTURES. 11 UP TO URINAL. 12 VENT UP. 13 EXIST SAN TO REMAIN.

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PROJECT NAME:

JOJO'S DETROIT

LOCATION:

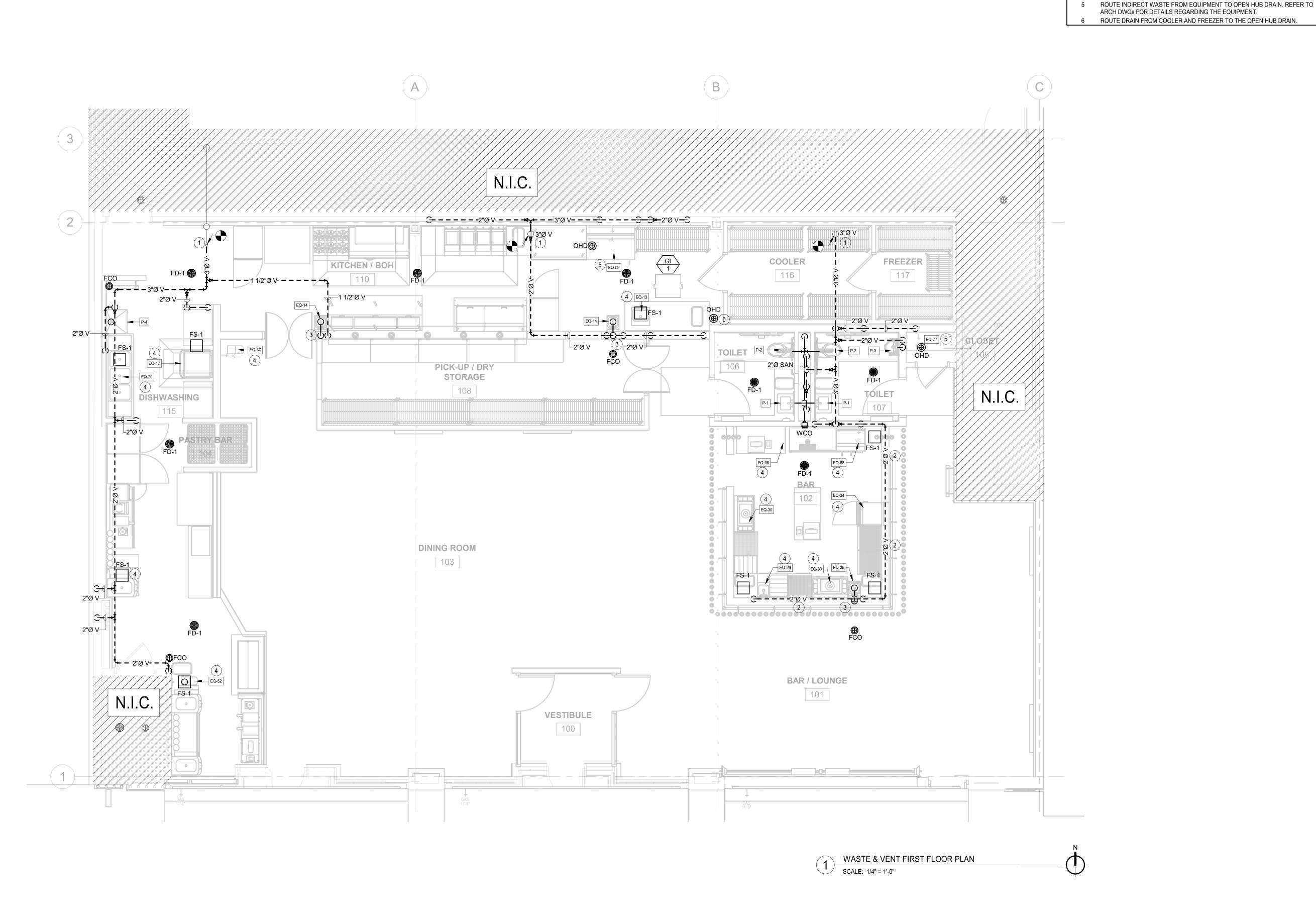
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WASTE & VENT UNDERGROUND PLAN

21020



(#) KEYNOTES

3 SAN DN.

1 CONNECT TO EXISTING 3" VENT. VERIFY EXACT LOCATION IN THE FIELD.

DWGs FOR DETAILS REGARDING THE EQUIPMENT.

4 ROUTE INDIRECT WASTE FROM EQUIPMENT TO FLOOR SINK. REFER TO ARCH

VERIFY VENT PITCH CAN BE MAINTAIN IN THE BAR DIE WALL PRIOR TO WORK.

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MEP ENGINEER: ASFANDYAR KHAN aykhan90@gmail.com 331.481.1616

CLIENT: JOJO'S SHAKE BAR

23 W HUBBARD ST CHICAGO, IL 60654

PROJECT NAME:

JOJO'S DETROIT

LOCATION:

88 W COLUMBIA ST DETROIT, MI 48201

ISSUED FOR: ISSUE # DATE ISSUED FOR PERMIT 12/22/2021

CLIENT APPROVAL: DATE: TITLE:

WASTE & VENT FIRST FLOOR PLAN

PROJECT:

21020

3 SHUT-OFF VALVE 4 PROVIDE BACKFLOW PREVENTER ASSE 1032.

MATER FLOOR PLAN

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

(#) KEYNOTES 1 CONNECT TO EXISTING EXISTING TO REMAIN.

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JOJO'S DETROIT

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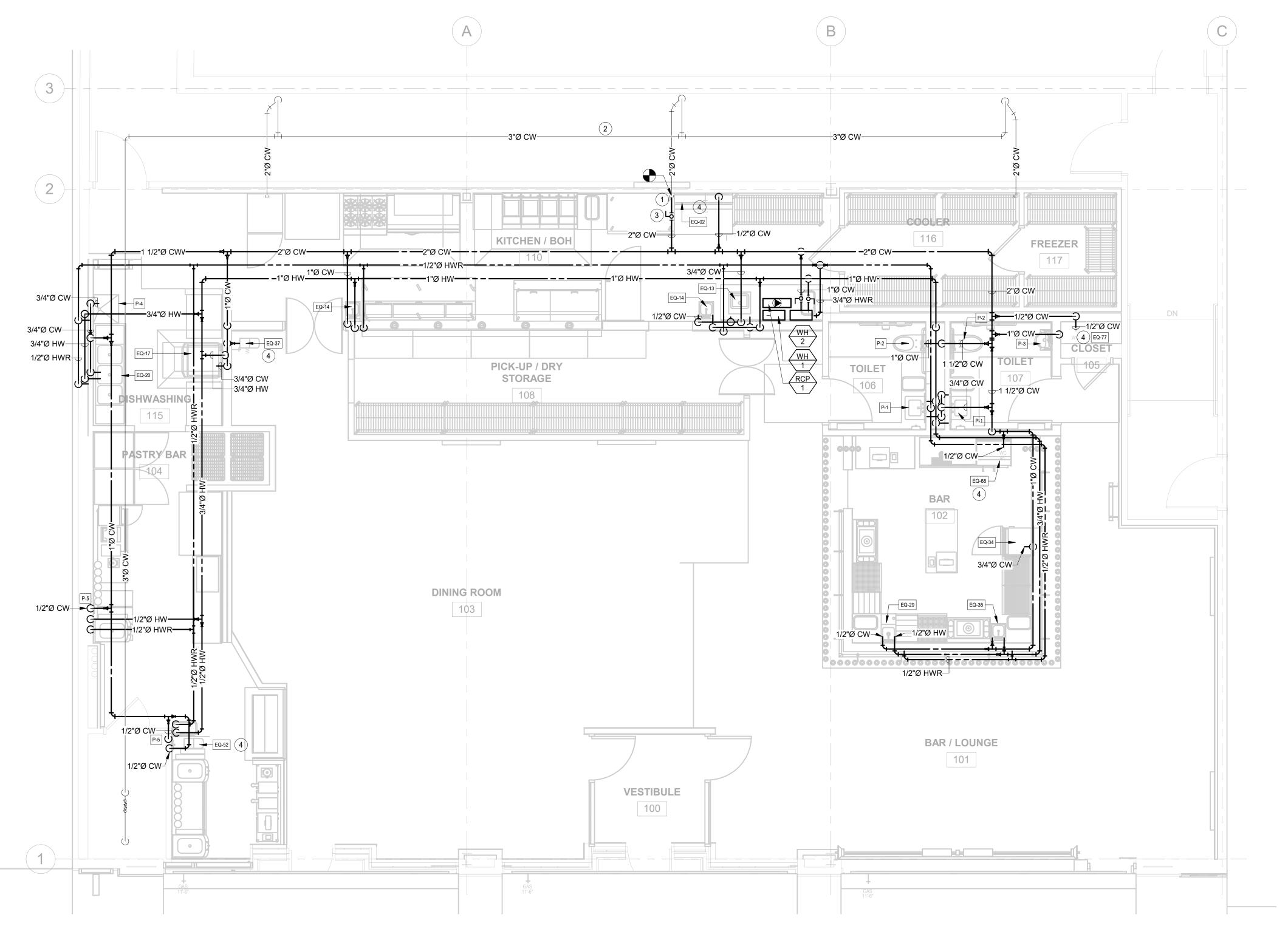
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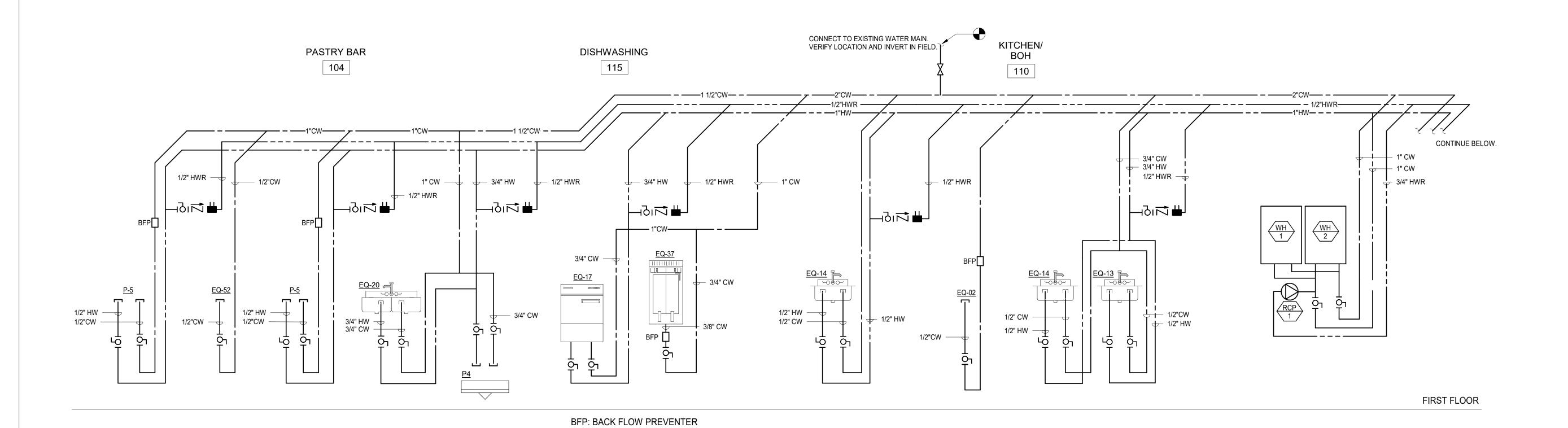
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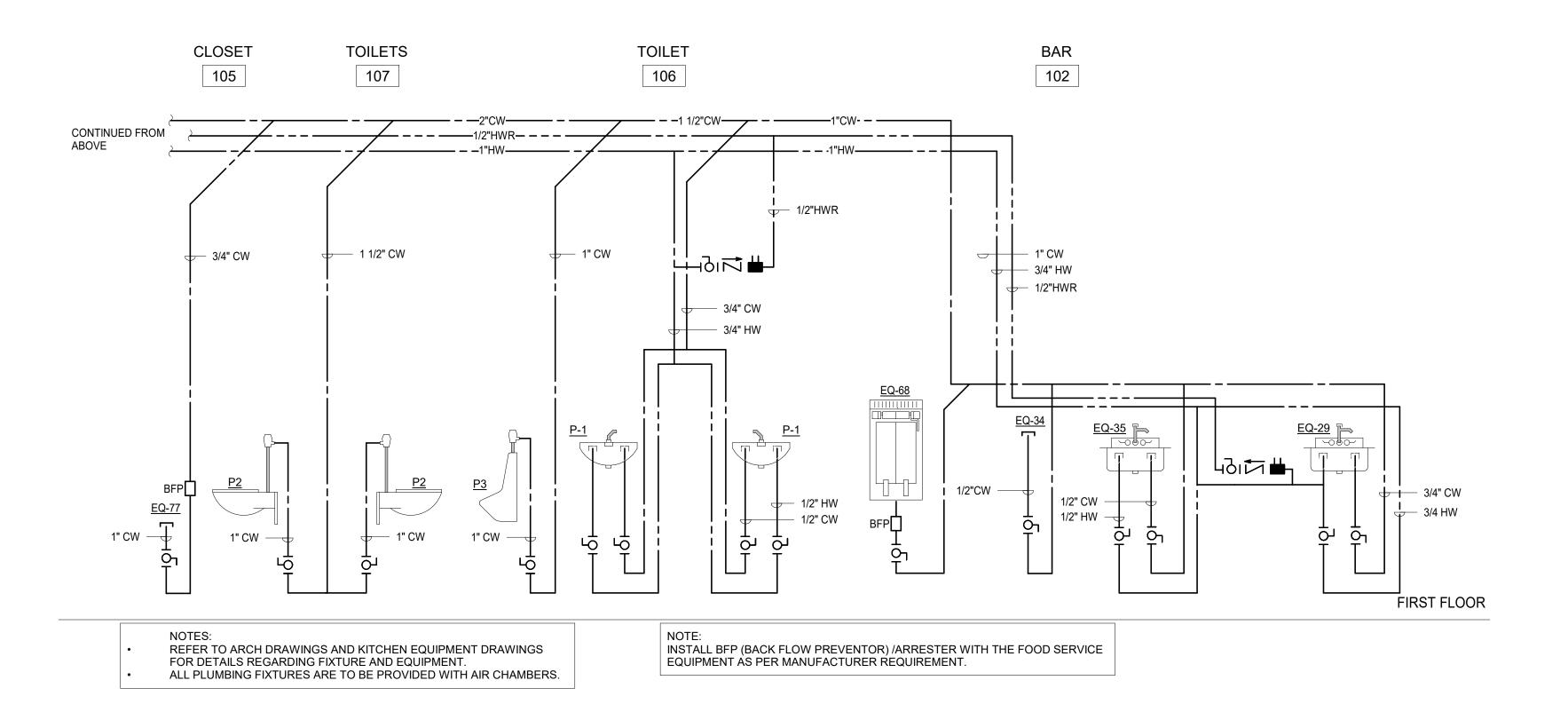
CLIENT APPROVAL: DATE: TITLE:

WATER FLOOR PLAN

21020







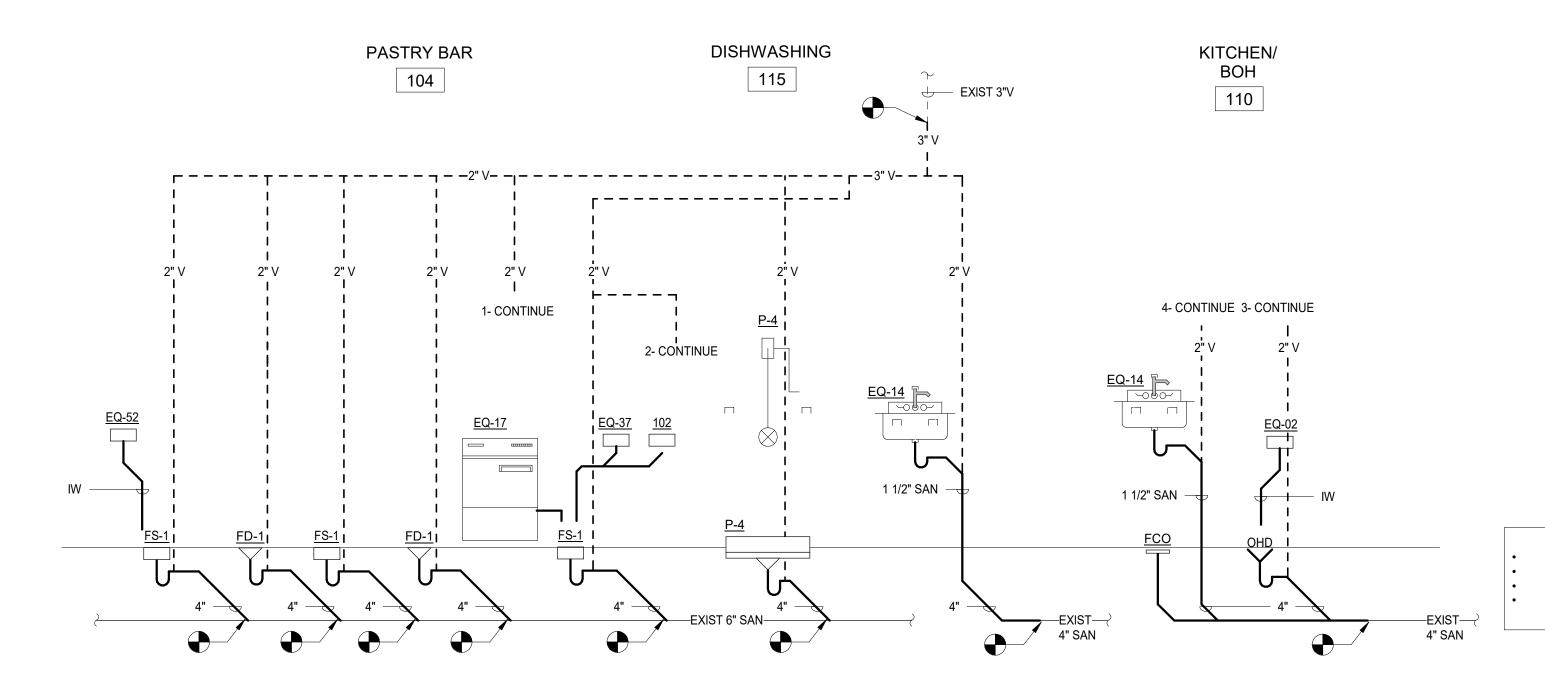
1147 WEST OHIO STREET, SUITE 103 CHICAGO, ILLINOIS 60642 PHONE: 312.573.2490 | FAX: 312.573.2491 www.dk-arch.com MEP ENGINEER: ASFANDYAR KHAN aykhan90@gmail.com 331.481.1616 CLIENT: JOJO'S SHAKE BAR 23 W HUBBARD ST CHICAGO, IL 60654 PROJECT NAME: JOJO'S DETROIT LOCATION: 88 W COLUMBIA ST DETROIT, MI 48201 **ISSUED FOR:** ISSUE# DATE ISSUED FOR PERMIT 12/22/2021

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CLIENT API	PROVAL:	

WATER RISER

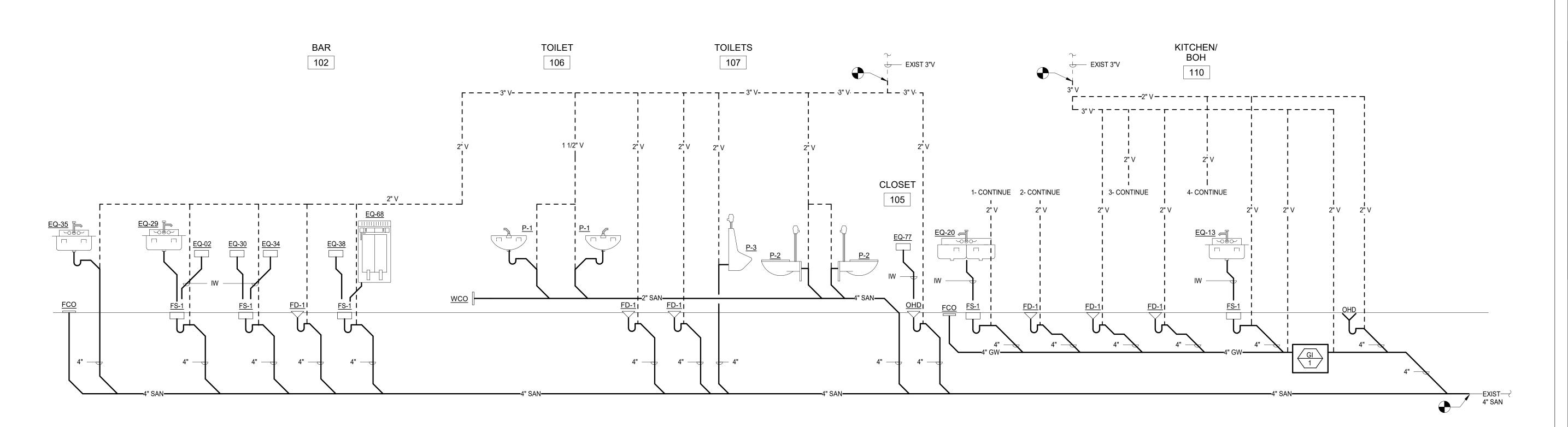
PROJECT:



REFER TO ARCH DRAWINGS AND KITCHEN EQUIPMENT DRAWINGS FOR DETAILS REGARDING FIXTURE AND EQUIPMENT. REFER TO PLUMBING SCHEDULES AND FIXTURE SCHEDULE FOR MIN. CONNECTION SIZE FOR FIXTURES.

ALL PLUMBING FIXTURES ARE TO BE PROVIDED WITH AIR CHAMBERS.

ROUTE WATER FROM FILTER TO EQUIPMENT REQUIRING FILTERED WATER. REFER TO FOOD SERVICES PLUMBING SCHEDULE ON KITCHEN DRAWINGS



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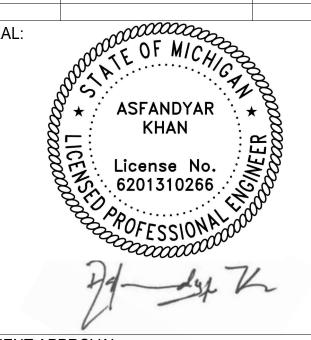
JOJO'S SHAKE BAR 23 W HUBBARD ST CHICAGO, IL 60654

PROJECT NAME: JOJO'S DETROIT

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88 W COLUMBIA ST DETROIT, MI 48201

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CLIENT APPROVAL: DATE: TITLE:

WASTE AND VENT RISER

21020

						URINAL SCH	IEDULE
TAG	TYPE	GPF	MANUFACTURER	MODEL	VALVE TYPE	VALVE MODEL	NOTES
P-3	WALL MOUNTED URINAL	0.125	SLOAN	WEUS-1000.1415	TOP SPUD EXPOSED FLUSHOMETER	SLOAN 8186	1

1 SEE MANUFACTURE RECOMMENDATIONS PRIOR TO INSTALLTION

			GRE	ASE INTERC	CEPTOR SC	HEDULE
TAG	MAX FLOW	MODEL	W(IN.)	H(IN.)	L(IN.)	NOTES
GI-1	75 GPM	MIFAB XL-MI-G-0	42	28	32	1
NOTES: 1 2		XTENSION, EXTERNAL VI	•	TROL FITTING, AND	HEAVY DUTY RAT	ED LID.

GRE	ASE INTERCEPTOR CALCULATION	
	GREASE INTERCEPTOR SIZING	
TYPE OF FIXTURE:	3-COMP SINK (13), PRE-RINSE SINK (7), PREP SINK (17), P COOKER (30, 44)	ASTA
	MAXIMUM HOLDING CAPACITY (GALS)	
3-COMP SINK	(L"xW'xD" / 231) x 3 = (20 x 16 x 14 / 231) x 3	58.18
PREP SINK	(L"xW'xD" / 231) x 1 = (21 x 18 x 12 / 231) x 1	19.64
	TOTAL	77.82
REQUIRE	D LIQUID HOLDING CAPACITY OF INTERECEPTOR	1
75% OF TOTAL	58.365	GALS
	PROPOSED GREASE INTERCEPTOR SIZE	
108.05	GALS HOLDING CAPACITY, 75 GPM, 4" OUTLET	

WAT	ER SER	VICE C	ALCUL	ATION
FIXTURE	QTY	WSFU / FIXTURE	WSFU SUBTOTAL	MIN. PIPE SIZE (IN.)
WATER CLOSET (FLUSH VALVE)	2	10	20	1
URINAL (1" FLUSH)	1	10	10	1
LAVATORY	2	2	4	1/2"
MOP SINK	1	3	3	1/2"
HAND SINK	3	3	9	1/2"
SERVICE SINK	2	3	6	1/2"
DISHWASHING MACHINE	1	3	3	3/4"
	'	TOTAL WSFU	55	
		GРM	55	
REQU	IRED SERVICE F	PIPE SIZE (IN.)	2"	
	REQUIRED ME	TER SIZE (IN.)	1½"	

108.05 GALS HOLDING CAPACITY, 75 GPN	i, 4 OUTLE	= 1	
WATER HEATER SIZ	ING C	ALCUL	ATION
FIXTURE	QTY	GPM	SUB TOTAL
LAVATORIES	2	0.5	1
HAND SINK	3	0.5	1.5
VEGETABLE SINK	1	2	2
BAR SINK	1	2	2
TRIPLE POT SINK	1	2	2
MOP SINK	1	2	2
DISHWASHER	1	3	3
	TOTAL GP	M REQUIRED	12
GPH REQUIRED AT DIV	ERSITY OF	70%	8.4
REQUIRED OUTP	UT (BTUH)	@ 100°F RISE	377848.8
REQUIRED IN	IPUT @ 95%	EFFICIENCY	397736

			CLEANOUT SCHEDULE
TYPE	MAKE & MODEL	REMARK	KS .
EXPOSED DRAINS	MIFAB C1220-R-1	EXPOSE	D DRAINS WITH CAST IRON FERRULES AND RAISED HEAD BRASS PLUGS.
FINSISHED AREAS (TERRAZZO AND CERMIC FLOORS)	MIFAB C1100-UR MIFAB C1100-US		S, TOILET ROOMS, LOCKER ROOMS, CORRIDORS, LOBBIES & KITCHENS: ROUND CORIATED NICKEL BRONZE ACCESS COVER AND FRAME, ADJUSTABLE TO LOOR LEVEL AFTER LOORHAS BEEN SET. MATCH FLOOR FINISH. SCORIATED NICKEL BRONZE ACCESS COVER AND FRAME, ADJUSTABLE TO FINISH FLOOR
FINISHED AREAS (CARPET)	MIFAB C1100-RC	LEVEL A	,
UNFINISHED AREAS (CONCRETE FLOOR)	MIFAB C1104-S-3		ROOMS, MECHANICAL ROOMS, ETC.: ROUND SCORIATED HEAVY DUTY NICKE ACCESS COVER AND FRAME, ADJUSTABLE TO FINISHED FLOOR LEVEL AFTER HAS BEEN SET.
LOCKABLE & PAINTABLE	MIFAB UA-A-WR	16 GAUG	SE UNIVERSAL ACCESS DOORS FOR INTERIOR CLEANOUTS & VALVE ACCESSIBILITY, COORDINATE FINISHES WITH ARCHITECT.

				LAVATORY SC	HEDULI
TAG	TYPE	MANUFACTURER & MODEL INFO:	FAUCET	FEATURES / DESCRIPTION	NOTES
P-1	WALL MOUNTED SINK	KOHLER K-2084-N	KOHLER K-14402-4A	PROVIDE WITH DURABLE ROUND BRASS SINK P-TRAP HT32 WITH ROUND HEAVY FLANGE, FULL PORT 1/4 TURN KEY-LESS ANGLE VALVES WITH BENDABLE COPPER PIPE SA100,	1,2

MOUNTING HEIGHT BY ARCHITECTURAL DRAWINGS.

- INSTALL TMV AS HIGH AS POSSIBLE UNDER LAV, HIDDEN FROM EYE SIGHT. TMV SYMMONS MAXLINE 7-210-CK OR EQUAL.
- COORDINATE COLOR AND FINISH WITH ARCHTIECT.
- PROVIDE WITH FLOOR MOUNTED CONCEALED ARM CARRIER

WATER CLOSET SCHEDUL							
TAG	TYPE	GPF	MANUFACTURER	MODEL	VALVE TYPE	VALVE MODEL	NOTES
P-2	WALL MOUNTED, ADA COMPLIANT	1.28	SLOAN	WETS-2450.1201	TOP SPUD, EXPOSED FLUSHOMETER	SOLIS 8111	1, 2

- 1 FLUSHOMETER TOILET, WHITE COLOR, PROVIDE LOW CONSUMPTION SIPHON JET FLUSHING SYSTEM TOILET.
- 2 SEAT BEMIS 1955CT/1955SSCT & 2155CT/2155SSCT EXTRA HEAVY DUTY, OPEN FRONT, LESS COVER WITH ANTI-MICROBIAL SURFACE

					FLOOR DRAIN SCH	HEDULE
TAG	FIXTURE	MANUFACTURER	APPLICATION	DESCRIPTION	MODEL	NOTES
FD-1	FLOOR DRAIN	MIFAB	FINISHED FLOORS	CAST IRON WITH ANCHOR FLANGE & 5" NICKEL BRONZE STRAINER	F102-5-3	1, 2, 3
FS-1	FLOOR SINK	MIFAB	FINISHED FLOORS	CAST IRON BODY AND FLASHING CLAMP WITH SEEPAGE OPENINGS AND SECURED SQUARE HOLE LIGHT DUTY GRATE	FS1720-FL 12" x 12" x 6" WITH FLANGE	2, 3

1 PROVIDE WITH VANDAL RESISTANT SCREWS

2 PROVIDE WITH DEEP SEA TRAP.

3 SEE MANUFACTURERS RECOMENDATIONS PRIOR TO INSTALLATION.

						MOP BASIN SC	HEDULE
TAG	FLOW (GPM)	MANUFACTURER	MODEL	FAUCET	DESCRIPTION	PLUMBING (IN.)	NOTES
P-4	5	MUSTEE	63 M	AMERICAN STANDAR	24"x24"x6" STRUCTURAL FIBERGLASS BASIN WITH VACUUM BREAKER.	3/4" CW, 3/4" HW, 3" DRAIN	1,2

PROVIDE WITH STAINLESS STEEL BUMBERS, (2) SS 12" HIGH BACK SPLASH PLATES, WALL BRACE, PAIL HOOK, MOP HANGER, AND CHROME PLATED STRAINER.

SEE MANUFACTURE RECOMMENDATIONS PRIOR TO INSTALLTION

					Ι	DOMESTIC WATER HI	EATER
TAG	ITEM	LOCATION	FLUID TYPE	SYSTEM CONNECTIONS	MANUFACTURER	RATING CAPACITY	NOTES
WH-1	GAS FIRED TANKLESS WATER HEATER	UTILITY CLOSET 116	WATER	GAS 3/4", CW 3/4", HW 3/4"	RHEEM RTGH-CM95DVLN	199 MBH INPUT, 96% EFF. 3.8 GPM @ 100°F RISE	1-5
WH-1	GAS FIRED TANKLESS WATER	UTILITY CLOSET	WATER	GAS 3/4", CW 3/4", HW 3/4"	RHEEM	199 MBH INPUT, 96% EFF.	1-5

- 1 SEE MANUFACTURES RECOMMENDATION PRIOR TO INSTALLATION
- COORDINATE CONNECTION WITH ELECTRICAL AND MECHANICAL CONTRACTORS
- 3 PROVIDE THERMAL EXPANSION TANK (ET-1) DETA -5 4 PROVIDE MANIFOLD CONTROLS FOR WATER HEATERS.
- 5 PROVIDE CONDENSATE NEUTRALIZER KIT FOR DRAIN. DRAIN TO BE ROUTED TO THE FLOOR DRAIN.

					MISCELLANEOUS	S EQUIPMENT SO	CHEDULE
TAG.	TYPE	MFGR.	MODEL NO.	LOCATION	FIXTURE	OUTLET	NOTES
BFP	INLINE BACK FLOW PREVENTOR	BEECO	DC .50-NPTX .50-NPT- LL	VARIES	KITCHEN EQUIPMENT	1/2"	1
TMV	THERMOSTATIC MIXING VALVE	SYMMONS	MAXLINE 7-210-CK - OR EQUAL	VARIES	SINKS/LAVS	110°F	2

ASSE 1024, BRONZE BODY AND TAILPIECE CONSTRUCTION, WITH STAINLESS STEEL CHECK SPRINGS

1 BRONZE CASING SEE MANUFACTURER RECOMMENDATIONS. COORDINATE WITH ELECTRICAL CONTRACTOR

2 REFER TO MANUFACTURERS INSTALLATION REQUIREMENTS MIN. FLOW .25 GPM

	DOMESTIC HOT WATER RETURN PUMP SCHEDULE											
TAG	TYPE	LOCATION	MODEL NO.	НР	VOLTAGE	PHASE	CAPACITY (GPM)	TDH (FEET)	DISCHARGE	NOTES		
RCP-1	HOT WATER RECIRC	UTILITY CLOSET 116	TACO MODEL 006-IFC	1/40	115	1	3	8.5	3/4" SWEAT	1		
NOTES:												

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JOJO'S SHAKE BAR 23 W HUBBARD ST CHICAGO, IL 60654

PROJECT NAME:

JOJO'S DETROIT

LOCATION:

ISSUE #

88 W COLUMBIA ST DETROIT, MI 48201

ISSUED FOR:

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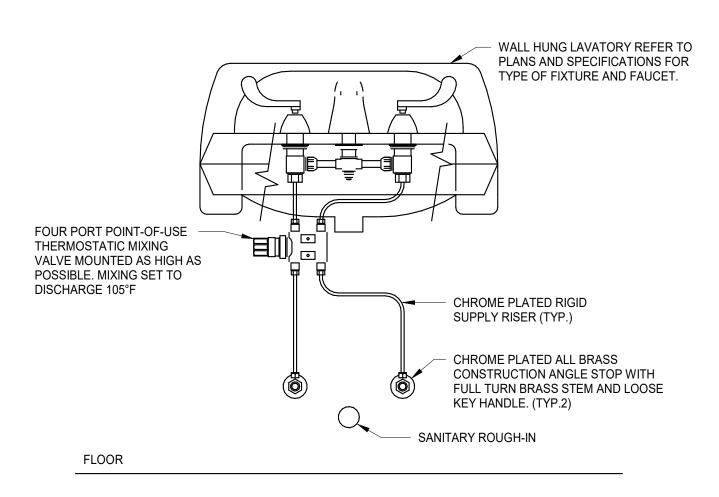
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EQUIPMENT SCHEDULES

PROJECT:

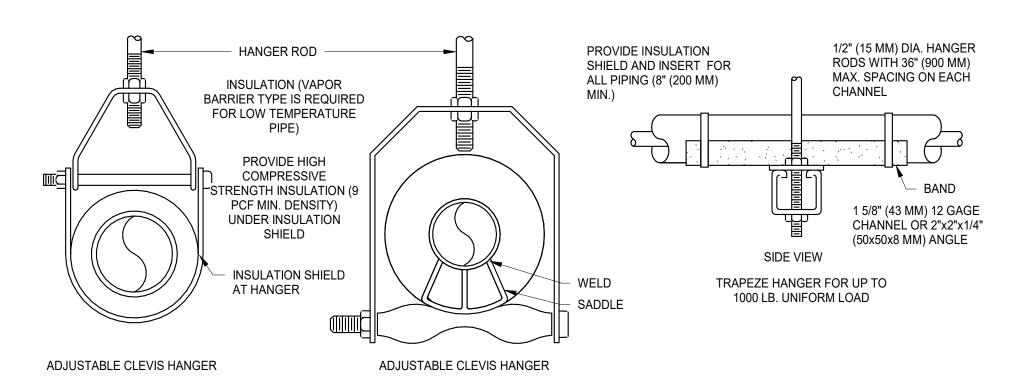


NOTES:

1. SEE ARCHITECTURAL DRAWINGS FOR LAVATORY MOUNTING HEIGHTS.

- 2. P-TRAP, TAIL PIECE, AND WASTE ARM NOT SHOWN FOR CLARITY. 3. FOR HANDICAP LAVATORY INSTALLATION ALL WASTE PIPING UNDER SINK SHALL BE WRAPPED WITH
- PROTECTIVE PIPE COVERS. 4. FOR HANDICAP LAVATORY INSTALLATION ANGLE STOP VALVES AND SUPPLY RISERS SHALL BE WRAPPED WITH PROTECTIVE PIPE COVERS. SUPPLY RISERS SHALL BE WRAPPED FROM STOP VALVES TO MIXING VALVE. ENDS OF PROTECTIVE WRAP SHALL BE CUT SQUARE AND TIE WRAPPED CLOSED.

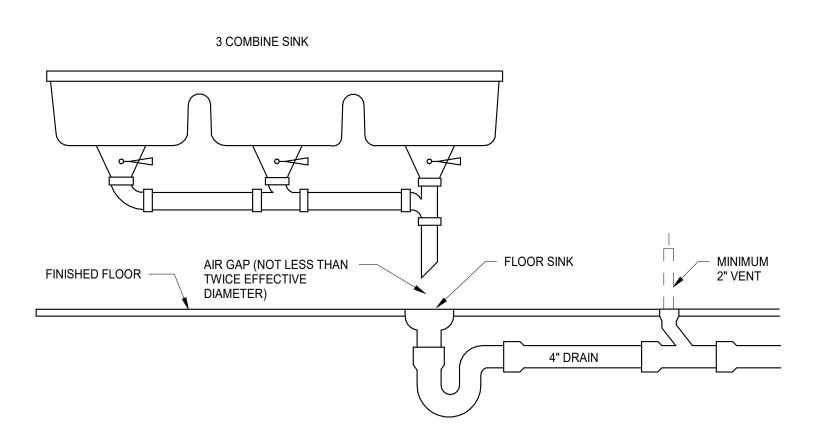




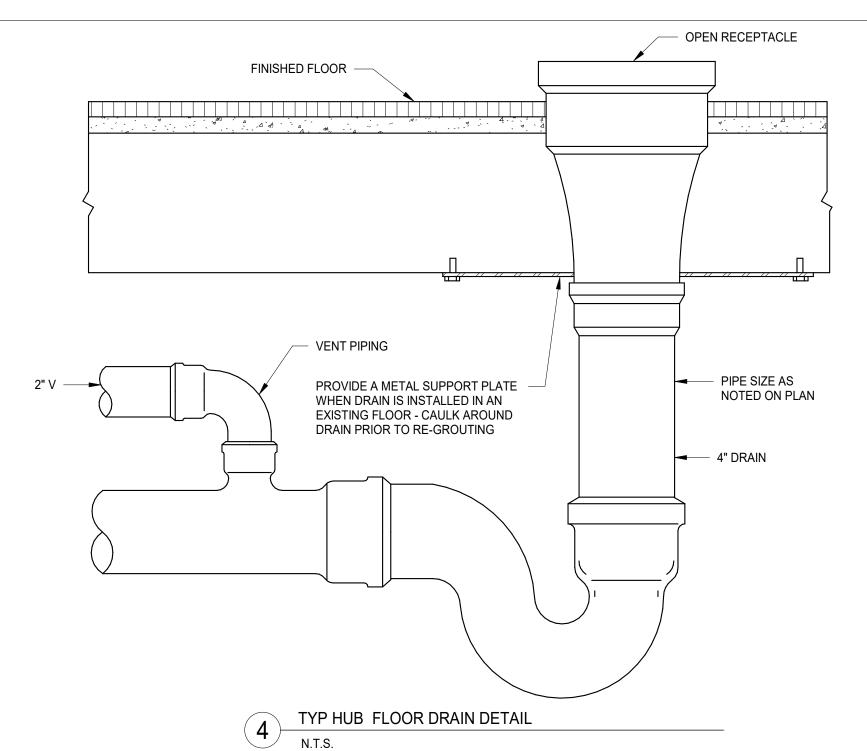
_																			
	MAXIMUM PIPI	E/TUBIN	NG SUF	PPORT	SPACII	NG													
	NOMINAL SIZE (IN.)	THR U 3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	16	18	20	24
	PIPE (FT.)	7	7	7	9	10	11	12	14	16	17	19	22	23	25	27	28	30	32
	TUBING (FT.)	5	6	7	8	8	9	10	12	13	14	16							

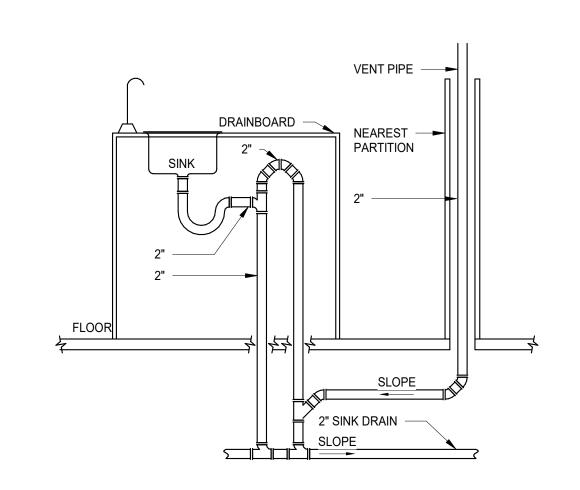
NOTE: FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE.

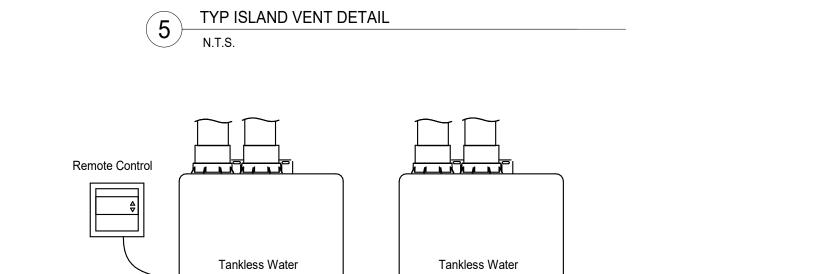


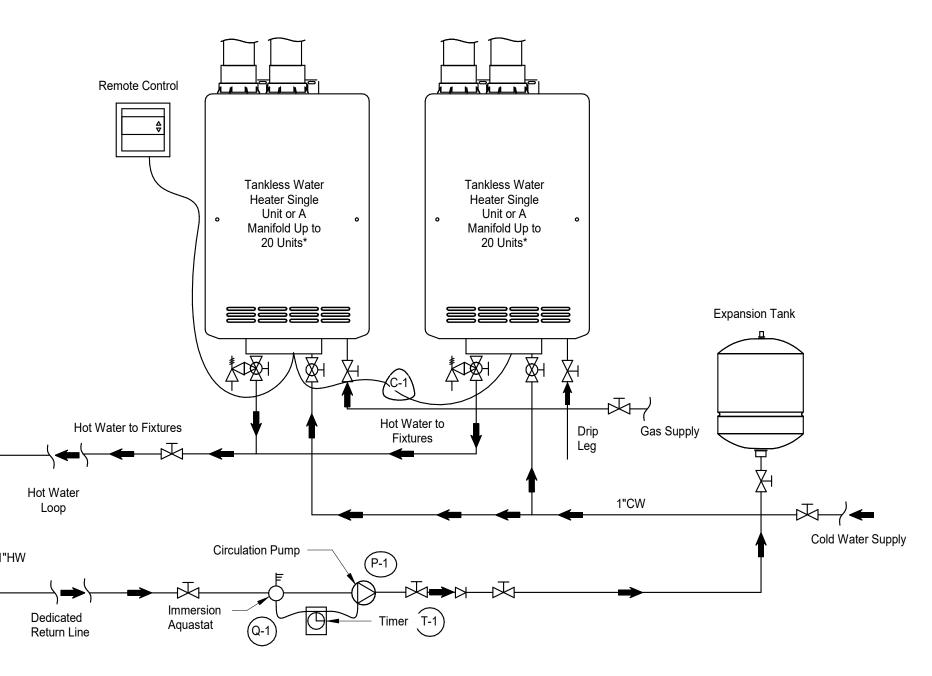


TRIPLE COMPARTMENT SINK DETAIL N.T.S.

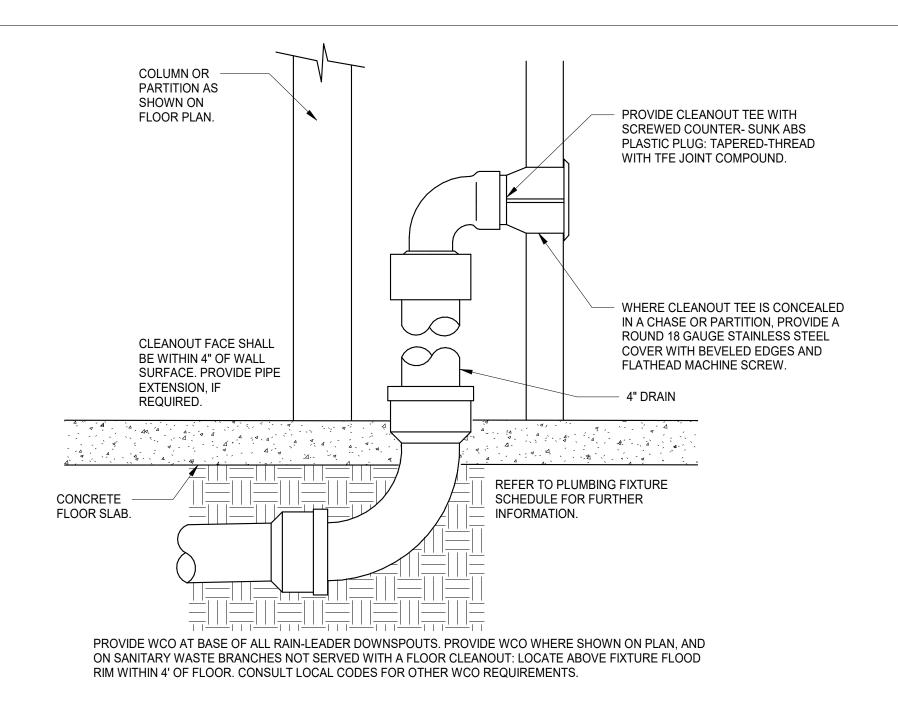


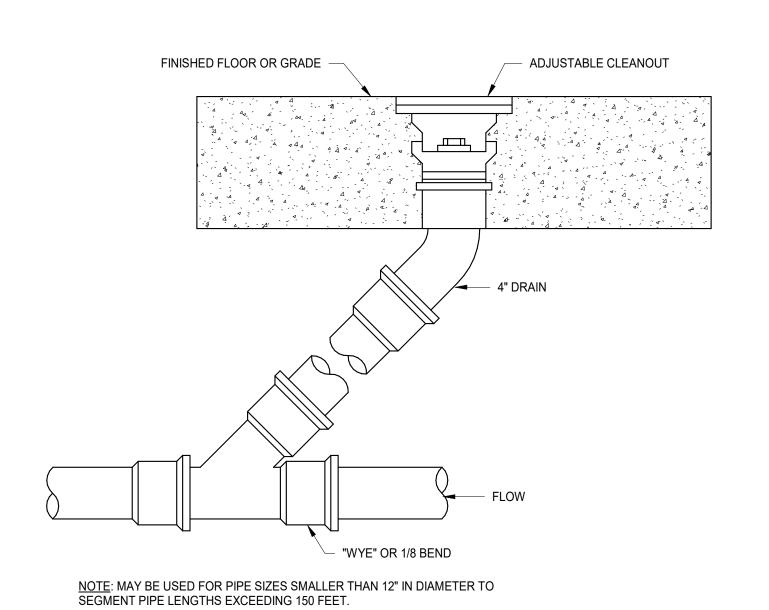






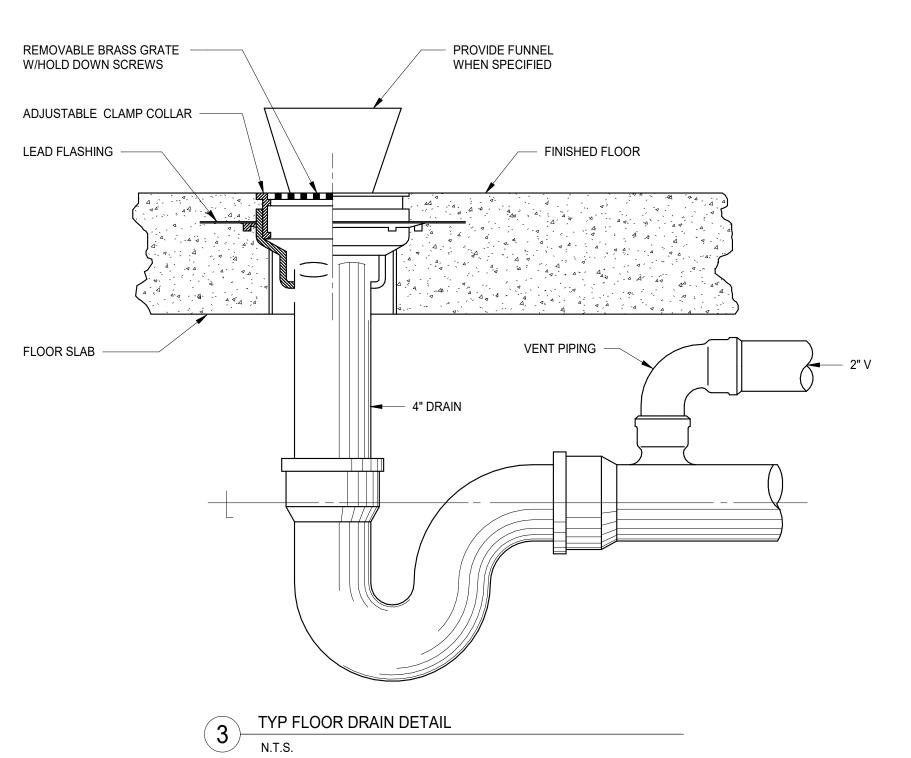
6 TYPICAL HW PIPING DETAIL N.T.S.





TYP WALL CLEANOUT DETAIL

2 TYP FLOOR CLEANOUT DETAIL N.T.S.



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MUNICIPALITY APPROVAL STAMP

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PROJECT NAME: JOJO'S DETROIT

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200,1110111	88 W COLUMBIA ST									
	DETROIT, MI 48201									
ISSUE #	ISSUED FOR:	DATE								
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DATE:

PLUMBING DETAILS

PROJECT:

21020

ELECTRIC	CAL ABBREVIATIONS LIST					ELECTI	RICAL FIXTURES	<u>E</u> LECT	RICAL EQUIPMENT
1P A	1 POLE (2P, 3P, 4P, ETC.) AMPERE	FA FABP	FIRE ALARM FIRE ALARM BOOSTER POWER SUPPLY PANEL	ОН	OVERHEAD OVERHOADS	2 F	20A. 2P, 3 WIRE, GROUNDING TYPE, "DECORA STYLE" <u>DUPLEX</u> RECEPTACLE NEMA 5-20R INSTALLED +18" AFF,OC,UNO, WHITE.		SWITCHGEAR / MAIN DISCONNECT / METER SECTION , SEE PLAN AND RISER DIAGRAM FOR MORE INFO. PROVIDE MIN. 4" HEIGHT
AC	ABOVE COUNTER OR AIR CONDITIONER	FACP FCU	FIRE ALARM CONTROL PANEL FAN COIL UNIT	<u>OL</u> PA PB	OVERLOADS PUBLIC ADDRESS PULL BOX OR PUSHBUTTON		BLACK IN SCIENCE ROOM ON BACK SPLASH.		HOUSE KEEPING CONCRETE PAD
ADO	AUTOMATIC DOOR OPENER	FIXT FLR	FIXTURE FLOOR	PE PED	PNEUMATIC ELECTRIC PEDESTAL	Φί	GFI - GROUND FAULT INTERRUPTER RECEPTACLE USB - RECEPTACLE WITH INTEGRATED (2) USB PORTS	N	DISTRIBUTION PANEL, DASHED LINE REPRESENTS MINIMUM WORKING CLEARANCE SEE PLANS AND RISER DIAGRAM FOR
	ABOVE FINISHED FLOOR	FLUOR FU	FLUORESCENT FUSE	PF PH	POWER FACTOR PHASE		(X" - ABOVE FINISH FLOOR HEIGHT	14	MORE INFO
AFI			FUSED SAFETY DISCONNECT SWITCH GAUGE	- PIV PNL	POST INDICATING VALVE PANEL	٧	VP - WEATHER PROOF. PROVIDE WEATHERPROOF DIE-CAST ALUMINUM-LIFT LID & GFCI TYPE RECEPTACLE. SEAL	<u>الر</u>	RECESSED BRANCH CIRCUIT PANEL, DASHED LINE REPRESENTS MINIMUM WORKING CLEARANCE SEE PLANS AND RISER
AL	AIR HANDLING UNIT ALUMINUM ALTERNATE	GAL GALV	GALLON GALVANIZED GENERAL CONTRACTOR	PP PR	POWER POLE PAIR		PENETRATION USING APPROVED MATERIALS AND METHODS TO MAINTAIN THE WEATHER TIGHT INTEGRITY.	^५ \	DIAGRAM FOR MORE INFO
ALT AMP AMPL	AMPERE AMPLIFIER	GC GEN GFI	GENERAL CONTRACTOR GENERATOR GROUND FAULT CIRCUIT INTERRUPTER	PRI PROJ	PRIMARY PROJECTION	# (2) DUPLEX RECEPTACLE - SAME SPEC'S AS DUPLEX RECEPTACLE		SURFACE MOUNTED BRANCH CIRCUIT PANEL, DASHED LINE REPRESENTS MINIMUM WORKING CLEARANCE SEE PLANS AND
ANNUN	ANNUNCIATOR APPROXIMATELY	GFP GND	GROUND FAULT PROTECTOR GROUND	PRV PT	POWER ROOF VENTILATOR POTENTIAL TRANSFORMER		1) DUPLEX RECEPTACLE - CEILING MOUNTED - SAME SPEC'S AS DUPLEX RECEPTACLE		RISER DIAGRAM FOR MORE INFO
AQ-STAT	AQUASTAT ARCHITECT, ARCHITECTURAL	GRS GYP BD	GALVANIZED RIGID STEEL (CONDUIT) GYPSUM BOARD	PVC PWR	POLYVINYL CHLORIDE (CONDUIT) POWER		SPECIAL PURPOSE RECEPTACLE AT +18" AFF, VOLTAGE/ NUMBER OF	Т	DRY TYPE TRANSFORMER, SEE PLANS AND RISER DIAGRAM FOF MORE INFO. PROVIDE MIN. 4" HEIGHT HOUSE KEEPING CONCRETE PAD
AS AT	AMP SWITCH AMP TRIP	HOA HORIZ	HANDS-OFF-AUTOMATIC SWITCH HORIZONTAL	QUAN RCPT REQD	QUANTITY RECEPTACLE REQUIRED	E	POLES AS SHOWN IN PLANS, NEMA-TYPE TO BE DETERMINED PER EQUIPMENT	TTB	TELEPHONE TERMINAL BOARD (SIZE AS NOTED IN THE PLAN)
AUTO	AUTOMATIC TRANSFER SWITCH AUTOMATIC	HP HPF	HORSEPOWER HIGH POWER FACTOR	RM RSC	ROOM RIGID STEEL CONDUIT	•	SPECIAL PURPOSE RECEPTACLE, FLOOR BOX MOUNTED		(3/4" PLYWOOD BACKBOARD COATED WITH FIRE RETARDANT PAINT)
AV		HT HTG	HEIGHT HEATING	RTU SC	ROOF TOP UNIT SURFACE CONDUIT	▼ 5	SPECIAL PURPOSE RECEPTACLE, CEILING MOUNTED	001414	WINDOATION DEVICES
BATT	AMERICAN WIRE GAUGE BATTERY	HTR HV	HEATER HIGH VOLTAGE	SEC SHT	SECONDARY SHEET		MULTI-SERVICE CAST IRON RECESSED FLOOR BOX WITH GFI TYPE DUPLEX RECEPTACLE AND VOICE / DATA PROVISIONS.		IUNICATION DEVICES
BD BLDG BMS	BOARD BUILDING BUILDING MANAGEMENT SYSTEM	HVAC HWP	HEATING, VENTILATING AND AIR CONDITIONING HYDRONIC WATER PUMP INTERRUPTING CAPACITY	SIM - S/N	SIMILAR SOLID NEUTRAL		VIREMOLD RFB4 SERIES OR EQUAL, UNO (1) 3/4" CONDUIT FOR POWER		FLUSH CEILING MOUNTED STANDARD SPEAKER AS SPECIFIED
C CAB	CONDUIT CABINET	IG IMC	INTERROPTING CAPACITY ISOLATED GROUND INTERMEDIATE METAL CONDUIT	SPEC SPKR	SPECIFICATION SPEAKER		(1) 1 1/4" CONDUIT FOR VOICE / DATA CABLING. ALL COMPONENTS AND ACCESSORIES FOR COMPLETE SYSTEM.	<u></u>	WALL MOUNTED STANDARD SPEAKER AS SPECIFIED.
CAT	CATALOG CABLE TELEVISION	INCAND IR	INCANDESCENT INFRARED	SP SR	SPARE SURFACE RACEWAY		SAW CUT AND PATCH FLOOR AS REQUIRED. MULTI-SERVICE CAST IRON RECESSED FLOOR BOX WITH GFI TYPE (2)	\heartsuit	LOCAL VOLUME CONTROL
CB	CIRCUIT BREAKER CLOSED CIRCUIT TELEVISION	I/W J-BOX	INTERLOCK WITH JUNCTION BOX	SS - SSW	STAINLESS STEEL SELECTOR SWITCH STOP/START PUSHBUTTONS		DUPLEX RECEPTACLE AND VOICE / DATA PROVISIONS. WIREMOLD VOICE / DATA PROVISIONS. WIREMOLD	SECUE	RITY DEVICES
CKT CLG	CIRCUIT CEILING	KV KVA	KILOVOLT KILOVOLT-AMPERE	STA STD	STOP/START PUSHBUTTONS STATION STANDARD		(1) 3/4" CONDUIT FOR POWER (1) 1 1/4" CONDUIT FOR VOICE / DATA CABLING.		360 DEGREE CEILING CAMERA. "WP" DENOTES WEATHER PROOF. "WG" DENOTES WIRE GUARD.
COMB CMPR	COMBINATION COMPRESSOR	KVAR KW	KILOVOLT-AMPERE REACTIVE KILOWATT	SURF SW	STANDARD SURFACE MOUNTED SWITCH		ALL COMPONENTS AND ACCESSORIES FOR COMPLETE SYSTEM. SAW CUT AND PATCH FLOOR AS REQUIRED.		
CONST	CONSTRUCTION	KWH LOC	KILOWATT HOUR LOCATE OR LOCATION	SWBD SYM	SWITCHBOARD SYMMETRICAL		MULTI-SERVICE CAST IRON POKE-THRU FLOOR BOX WITH GFI TYPE DUPLEX RECEPTACLE AND VOICE / DATA PROVISIONS. WIREMOLD		FIXED CEILING CAMERA. "WP" DENOTES WEATHER PROOF. "WG" DENOTES WIRE GUARD
CONTR	CONTINUATION OR CONTINUOUS CONTRACTOR	LT LTG	LIGHT LIGHTING	SYS TEL	SYSTEM TELEPHONE		EVOLUTION SERIES-4" OR EQUAL, UNO (1) 3/4" CONDUIT FOR POWER	CR	WALL MOUNTED CARD READER. PROVIDE RECESSED JUNCTION BOX AND CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE FO
CP	CONVECTOR CIRCULATING PUMP CATHODE-RAY TUBE	LTNG <u>LV</u> MAX	LIGHTNING LOW VOLTAGE MAXIMUM		A TELEPHONE/DATA TERMINAL		ALL COMPONENTS AND ACCESSORIES FOR COMPLETE SYSTEM. CORE AND PATCH FLOOR AS REQUIRED.	_	FUTURE CABLING. SEE SECURE DOOR DETAIL FOR MORE INFO MAGNETIC DOOR CONTACT. CONNECT TO SECURITY PANEL.
CT CTR	CATHODE-RAY TUBE CURRENT TRANSFORMER CENTER	MAX MAG.S M/C	MAXIMUM MAGNETIC STARTER MOMENTARY CONTACT	TL TR	TWIST LOCK TAMPER RESISTANT		POKE-THRU FLOOR BOX, (1) DUPLEX RECEPTACLE ONLY, SAME SPEC'S AS ABOVE	DC	REQUIRES DRILL TO DOOR FRAME, VERIFY. PROVIDE CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE. SEE SECURE DOOR
CU DCP	COPPER DOMESTIC WATER CIRCULATING	MC MCB	MECHANICAL CONTRACTOR MAIN CIRCUIT BREAKER	T-STAT TTC	THERMOSTAT TELEPHONE TERMINAL CABINET	N	MULTI-SERVICE CAST IRON POKE-THRU FLOOR BOX WITH GFI TYPE		DETAIL FOR MORE INFO
	PUMP DEPARTMENT	MCC MDC	MOTOR CONTROL CENTER MAIN DISTRIBUTION CENTER	TV TVTC TYP	TELEVISION TELEVISION TERMINAL CABINET TYPICAL		DUPLEX RECEPTACLE AND VOICE / DATA PROVISIONS. WIREMOLD EVOLUTION SERIES-6" OR EQUAL, UNO (1) 2/4" CONDUIT FOR DOWER	EDS	ELECTRONIC DOOR (LOCK) STRIKE, PROVIDE 120V POWER AS REQUIRED ABOVE CEILING. SEE SECURE DOOR DETAIL FOR MORE
DET DIA	DETAIL DIAMETER	MDP MFR	MAIN DISTRIBUTION PANEL MANUFACTURER	UC UE	UNDER COUNTER UNDERGROUND ELECTRICAL		(1) 3/4" CONDUIT FOR POWER ALL COMPONENTS AND ACCESSORIES FOR COMPLETE SYSTEM. CORE AND PATCH FLOOR AS REQUIRED.		INFO MAGNETIC LOCK WALL, PROVIDE 120V POWER AS REQUIRED
DISC DIST	DISCONNECT DISTRIBUTION	MFS MH	MAIN FUSED DISCONNECT SWITCH MANHOLE	UG UH	UNDERGROUND UNIT HEATER		POKE-THRU FLOOR BOX, (2) DUPLEX RECEPTACLE, SAME SPEC'S	ML	ABOVE CEILING.
DN DPR	DOWN DAMPER	MIC MIN	MICROPHONE MINIMUM	UT UTIL	UNDERGROUND TELEPHONE UTILITY		AS ABOVE	ICV	MAIN INTERCOM SYSTEM AT RECEPTION DESK
DS DT	DOUBLE THROW	MISC MLO	MISCELLANEOUS MAIN LUGS ONLY	UV V	UNIT VENTILATOR OR ULTRAVIOLET VOLT		WALL MOUNTED JUNCTION BOX. "H" DENOTES HEIGHT ABOVE FINISHED FLOOR	<u>©</u>	WALL INTERCOM - EXTERIOR MOUNTED
EC	DRAWING ELECTRICAL CONTRACTOR ELECTRIC, ELECTRICAL	MMS MOA MSP	MANUAL MOTOR STARTER MULTIOUTLET ASSEMBLY MOTOR STARTER PANELBOARD	VA VDT	VOLT-AMPERES VIDEO DISPLAY TERMINAL		IUNCTION BOX FLOOR	•	PUSH BUTTON - DOOR RELEASE
	ELEVATOR EMERGENCY	MSBD MT	MAIN SWITCHBOARD MOUNT	VERT VFD	VERTICAL VARIABLE FREQUENCY DRIVE		IUNCTION BOX WITH FLEXIBLE CONDUIT AND FINAL CONNECTION TO		
EMS	ENERGY MANAGEMENT SYSTEM	MT.C MTS	EMPTY CONDUIT MANUAL TRANSFER SWITCH	W W	VOLUME WATT	3 5	EQUIPMENT. "CLNG" REPRESENT CEILING MOUNT	보	PUSH BUTTON SINGLE, SEE PLAN KEY NOTES FOR USE AND TYPE
EP EQUIP	ELECTRIC PNEUMATIC EQUIPMENT	MTR N.C.	MOTOR, MOTORIZED NORMALLY CLOSED	- WG	WITH WIRE GUARD	S ^o	CEILING JUNCTION BOX "CLNG"		DOORBELL CHIME WALL
II				14/11		■ ⊙ ; `	DEIENTO TOTA DON DEITO	臣	DOONDELE OF HIME WALL
EWC EXIST	ELECTRIC WATER COOLER EXISTING	NEC NEMA	NATIONAL ELECTRICAL CODE NATIONAL ELECTRICAL MANUFACTURER'S ASSOC	WH W/O	WATER HEATER WITHOUT		PROVIDE A. 3 POLE V. NON-FUSIBLE SAFETY SWITCH.	뷔	DOOR BUZZER WALL
EWC EXIST EXH		NEC	NATIONAL ELECTRICAL CODE NATIONAL ELECTRICAL MANUFACTURER'S ASSOC NON-FUSED SAFETY DISCONNECT SWITCH NOT IN CONTRACT	O. W/O WP XFMR	WATER HEATER WITHOUT WEATHERPROOF TRANSFORMER		PROVIDEA. 3 POLEV. NON-FUSIBLE SAFETY SWITCH. NEMA ENCLOSURE.		
EWC EXIST EXH	EXISTING EXHAUST	NEC NEMA NFDS	NATIONAL ELECTRICAL CODE NATIONAL ELECTRICAL MANUFACTURER'S ASSOC NON-FUSED SAFETY DISCONNECT SWITCH NOT IN CONTRACT NIGHT LIGHT NORMALLY OPEN). W/O WP	WATER HEATER WITHOUT WEATHERPROOF		PROVIDEA. 3 POLEV. NON-FUSIBLE SAFETY SWITCH. NEMA ENCLOSURE. PROVIDEA. 3 POLEV. FUSIBLE SAFETY SWITCH WITH DUAL ELEMENT FUSES SIZED PER EQUIPMENT MANUFACTURERS	<u>+</u> 4	DOOR BUZZER WALL
EWC EXIST EXH	EXISTING EXHAUST	NEC NEMA NFDS	NATIONAL ELECTRICAL CODE NATIONAL ELECTRICAL MANUFACTURER'S ASSOC NON-FUSED SAFETY DISCONNECT SWITCH NOT IN CONTRACT NIGHT LIGHT	O. W/O WP XFMR	WATER HEATER WITHOUT WEATHERPROOF TRANSFORMER		PROVIDEA. 3 POLEV. NON-FUSIBLE SAFETY SWITCH. NEMA ENCLOSURE. PROVIDEA. 3 POLEV. FUSIBLE SAFETY SWITCH WITH DUAL ELEMENT FUSES SIZED PER EQUIPMENT MANUFACTURERS RECOMMENDATION. NEMA ENCLOSURE. PROVIDE V. COMBINATION MOTOR STARTER / FUSIBLE SAFETY	4 KP	DOOR BUZZER WALL MOTION DETECTOR CEILING SECURITY DEVICE KEY PAD
EWC EXIST EXH EXP	EXISTING EXHAUST	NEC NEMA NFDS NIC NL N.O. NPF	NATIONAL ELECTRICAL CODE NATIONAL ELECTRICAL MANUFACTURER'S ASSOC NON-FUSED SAFETY DISCONNECT SWITCH NOT IN CONTRACT NIGHT LIGHT NORMALLY OPEN NORMAL POWER FACTOR	O. W/O WP XFMR	WATER HEATER WITHOUT WEATHERPROOF TRANSFORMER		PROVIDEA. 3 POLEV. NON-FUSIBLE SAFETY SWITCH. PROVIDEA. 3 POLEV. FUSIBLE SAFETY SWITCH WITH DUAL ELEMENT FUSES SIZED PER EQUIPMENT MANUFACTURERS RECOMMENDATION. NEMA ENCLOSURE. PROVIDEV. COMBINATION MOTOR STARTER / FUSIBLE SAFETY SWITCH, NEMA SIZE AS INDICATED, FVNR, WITH DUAL ELEMENT FUSES SIZE PER EQUIPMENT MANUFACTURERS RECOMMENDATION.	4 FP P	DOOR BUZZER WALL MOTION DETECTOR CEILING SECURITY DEVICE KEY PAD CCTV WALL OUTLET
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EWC EXIST EXH EXP ELECTRIC 1. DRAWI DROP, SHALL	EXISTING EXHAUST EXPLOSION PROOF CAL GENERAL NOTES NGS ARE GENERALLY DIAGRAMMATION OFFSET, FITTING, NOR EVERY STRUCT MAKE ANY REQUIRED CHANGES FRO	NEC NEMA NFDS NIC NL N.O. NPF NTS C. ROUTING	NATIONAL ELECTRICAL CODE NATIONAL ELECTRICAL MANUFACTURER'S ASSOC NON-FUSED SAFETY DISCONNECT SWITCH NOT IN CONTRACT NIGHT LIGHT NORMALLY OPEN NORMAL POWER FACTOR NOT TO SCALE G OF CONDUITS, RACEWAYS, ETC., AS SHOWN ON DEMENT THAT MAY BE ENCOUNTERED DURING THE INTERAL ROUTING SHOWN ON THESE DRAWINGS, SUE	DRAWINGS, ENSTALLATIO	WATER HEATER WITHOUT WEATHERPROOF TRANSFORMER TRANSFER DOES NOT INTEND TO SHOW EVERY RISE, IN OF THIS WORK. EACH CONTRACTOR ETS, BENDS, OR CHANGES IN ELEVATION	F F F F F F F F F F F F F F F F F F F	PROVIDEA. 3 POLEV. NON-FUSIBLE SAFETY SWITCH. NEMA ENCLOSURE. PROVIDEA. 3 POLEV. FUSIBLE SAFETY SWITCH WITH DUAL ELEMENT FUSES SIZED PER EQUIPMENT MANUFACTURERS RECOMMENDATION. NEMA ENCLOSURE. PROVIDEV. COMBINATION MOTOR STARTER / FUSIBLE SAFETY SWITCH, NEMA SIZE AS INDICATED, FVNR, WITH DUAL ELEMENT FUSES SIZE PER EQUIPMENT MANUFACTURERS RECOMMENDATION. PROVIDE WITH HAND-OFF-AUTO SWITCH, PILOT LIGHTS, CONTROL TRANSFORMER AND (1) N.O. (1) N.C. CONTROL CONTACTS NEMA 1 ENCLOSURE. PROVIDE MANUAL MOTOR STARTER THERMAL OVERLOAD SWITCH	4 P P P	DOOR BUZZER WALL MOTION DETECTOR CEILING SECURITY DEVICE KEY PAD CCTV WALL OUTLET COMBINATION LOCK WALL
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MEP ENGINEER:

ASFANDYAR KHAN aykhan90@gmail.com 331.481.1616

CLIENT:

JOJO'S SHAKE BAR

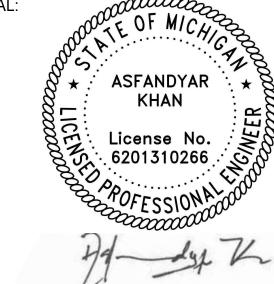
PROJECT NAME:

JOJO'S SHAKE BAR

LOCATION:

88 W COLUMBIA ST

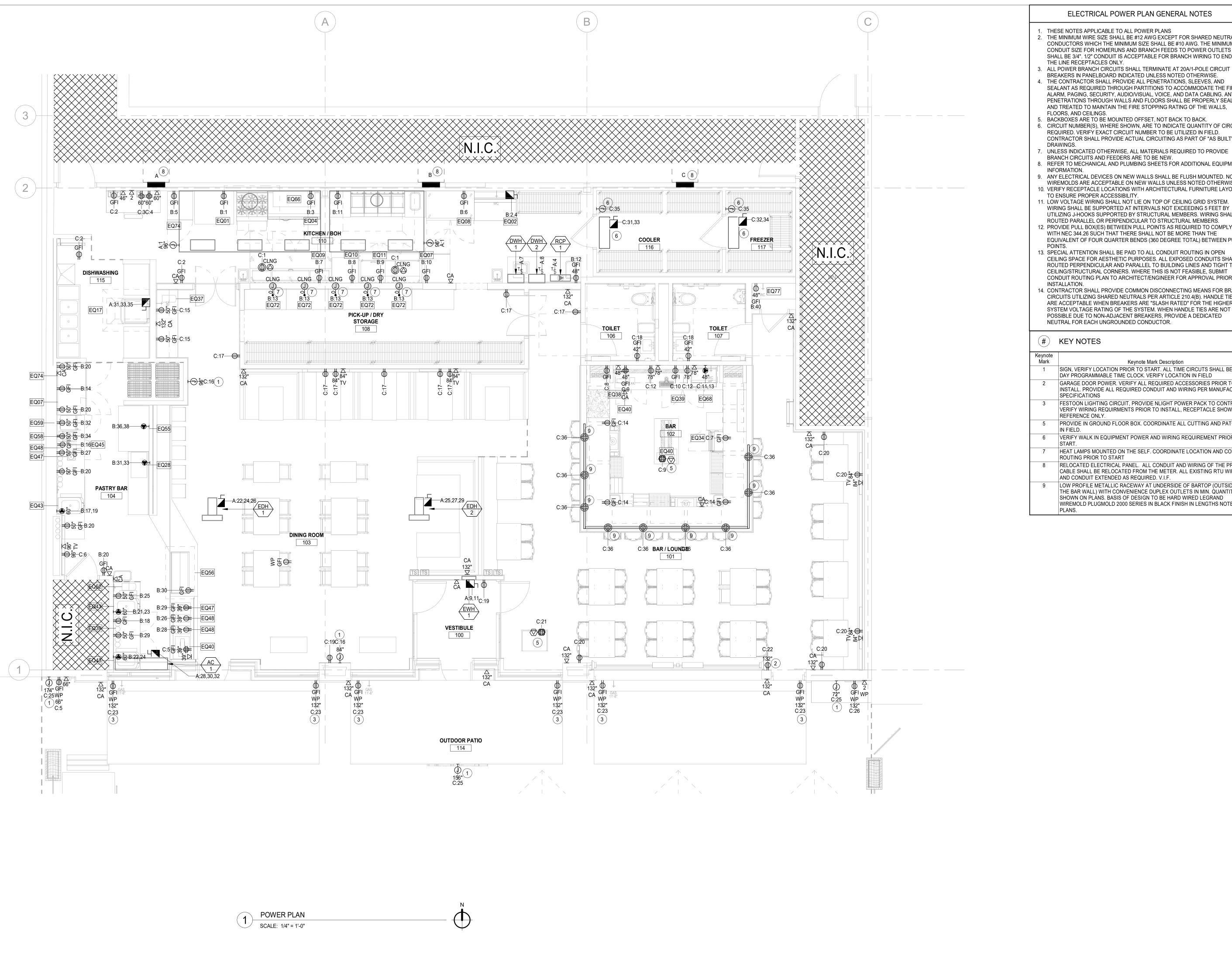
DETROIT, MI 48201 ISSUE # ISSUED FOR: DATE ISSUED FOR PERMIT 12/22/2021



CLIENT APPROVAL: DATE: TITLE:

NOTES AND SYMBOLS

21020



ELECTRICAL POWER PLAN GENERAL NOTES

- THESE NOTES APPLICABLE TO ALL POWER PLANS THE MINIMUM WIRE SIZE SHALL BE #12 AWG EXCEPT FOR SHARED NEUTRAL CONDUCTORS WHICH THE MINIMUM SIZE SHALL BE #10 AWG. THE MINIMUM CONDUIT SIZE FOR HOMERUNS AND BRANCH FEEDS TO POWER OUTLETS SHALL BE 3/4". 1/2" CONDUIT IS ACCEPTABLE FOR BRANCH WIRING TO END OF
- BREAKERS IN PANELBOARD INDICATED UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL PROVIDE ALL PENETRATIONS, SLEEVES, AND SEALANT AS REQUIRED THROUGH PARTITIONS TO ACCOMMODATE THE FIRE ALARM, PAGING, SECURITY, AUDIO/VISUAL, VOICE, AND DATA CABLING. ANY PENETRATIONS THROUGH WALLS AND FLOORS SHALL BE PROPERLY SEALED AND TREATED TO MAINTAIN THE FIRE STOPPING RATING OF THE WALLS, FLOORS, AND CEILINGS.
- BACKBOXES ARE TO BE MOUNTED OFFSET, NOT BACK TO BACK. CIRCUIT NUMBER(S), WHERE SHOWN, ARE TO INDICATE QUANTITY OF CIRCUITS REQUIRED. VERIFY EXACT CIRCUIT NUMBER TO BE UTILIZED IN FIELD. CONTRACTOR SHALL PROVIDE ACTUAL CIRCUITING AS PART OF "AS BUILT"
- UNLESS INDICATED OTHERWISE, ALL MATERIALS REQUIRED TO PROVIDE
- REFER TO MECHANICAL AND PLUMBING SHEETS FOR ADDITIONAL EQUIPMENT . ANY ELECTRICAL DEVICES ON NEW WALLS SHALL BE FLUSH MOUNTED. NO
- WIREMOLDS ARE ACCEPTABLE ON NEW WALLS UNLESS NOTED OTHERWISE. 10. VERIFY RECEPTACLE LOCATIONS WITH ARCHITECTURAL FURNITURE LAYOUT
- 11. LOW VOLTAGE WIRING SHALL NOT LIE ON TOP OF CEILING GRID SYSTEM. WIRING SHALL BE SUPPORTED AT INTERVALS NOT EXCEEDING 5 FEET BY UTILIZING J-HOOKS SUPPORTED BY STRUCTURAL MEMBERS. WIRING SHALL BE ROUTED PARALLEL OR PERPENDICULAR TO STRUCTURAL MEMBERS.
- 12. PROVIDE PULL BOX(ES) BETWEEN PULL POINTS AS REQUIRED TO COMPLY WITH NEC 344.26 SUCH THAT THERE SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (360 DEGREE TOTAL) BETWEEN PULL
- 13. SPECIAL ATTENTION SHALL BE PAID TO ALL CONDUIT ROUTING IN OPEN CEILING SPACE FOR AESTHETIC PURPOSES. ALL EXPOSED CONDUITS SHALL BE ROUTED PERPENDICULAR AND PARALLEL TO BUILDING LINES AND TIGHT TO CEILING/STRUCTURAL CORNERS. WHERE THIS IS NOT FEASIBLE, SUBMIT CONDUIT ROUTING PLAN TO ARCHITECT/ENGINEER FOR APPROVAL PRIOR TO
- 14. CONTRACTOR SHALL PROVIDE COMMON DISCONNECTING MEANS FOR BRANCH CIRCUITS UTILIZING SHARED NEUTRALS PER ARTICLE 210.4(B). HANDLE TIES ARE ACCEPTABLE WHEN BREAKERS ARE "SLASH RATED" FOR THE HIGHER SYSTEM VOLTAGE RATING OF THE SYSTEM. WHEN HANDLE TIES ARE NOT POSSIBLE DUE TO NON-ADJACENT BREAKERS, PROVIDE A DEDICATED NEUTRAL FOR EACH UNGROUNDED CONDUCTOR.

Keynote Mark Description
SIGN, VERIFY LOCATION PRIOR TO START. ALL TIME CIRCUTS SHALL BE ON A 7 DAY PROGRAMMABLE TIME CLOCK. VERIFY LOCATION IN FIELD
GARAGE DOOR POWER. VERIFY ALL REQUIRED ACCESSORIES PRIOR TO INSTALL. PROVIDE ALL REQUIRED CONDUIT AND WIRING PER MANUFACTURER SPECIFICATIONS
FESTOON LIGHTING CIRCUIT, PROVIDE NLIGHT POWER PACK TO CONTROL, VERIFY WIRING REQUIRMENTS PRIOR TO INSTALL, RECEPTACLE SHOWN AS REFERENCE ONLY.

- 5 PROVIDE IN GROUND FLOOR BOX. COORDINATE ALL CUTTING AND PATCHING 6 VERIFY WALK IN EQUIPMENT POWER AND WIRING REQUIREMENT PRIOR TO
- 7 HEAT LAMPS MOUNTED ON THE SELF. COORDINATE LOCATION AND CONDUIT ROUTING PRIOR TO START
- RELOCATED ELECTRICAL PANEL. ALL CONDUIT AND WIRING OF THE PRIMARY CABLE SHALL BE RELOCATED FROM THE METER. ALL EXISTING RTU WIRING AND CONDUIT EXTENDED AS REQUIRED. V.I.F.
- LOW PROFILE METALLIC RACEWAY AT UNDERSIDE OF BARTOP (OUTSIDE OF THE BAR WALL) WITH CONVENIENCE DUPLEX OUTLETS IN MIN. QUANTITY AS SHOWN ON PLANS. BASIS OF DESIGN TO BE HARD WIRED LEGRAND WIREMOLD PLUGMOLD 2000 SERIES IN BLACK FINISH IN LENGTHS NOTED PER

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MUNICIPALITY APPROVAL STAMP

MEP ENGINEER: ASFANDYAR KHAN aykhan90@gmail.com 331.481.1616

www.dk-arch.com

JOJO'S SHAKE BAR

PROJECT NAME:

JOJO'S SHAKE BAR

LOCATION:

88 W COLUMBIA ST DETROIT, MI 48201

SSUE #	ISSUED FOR:	DATE
	ISSUED FOR PERMIT	12/22/2021

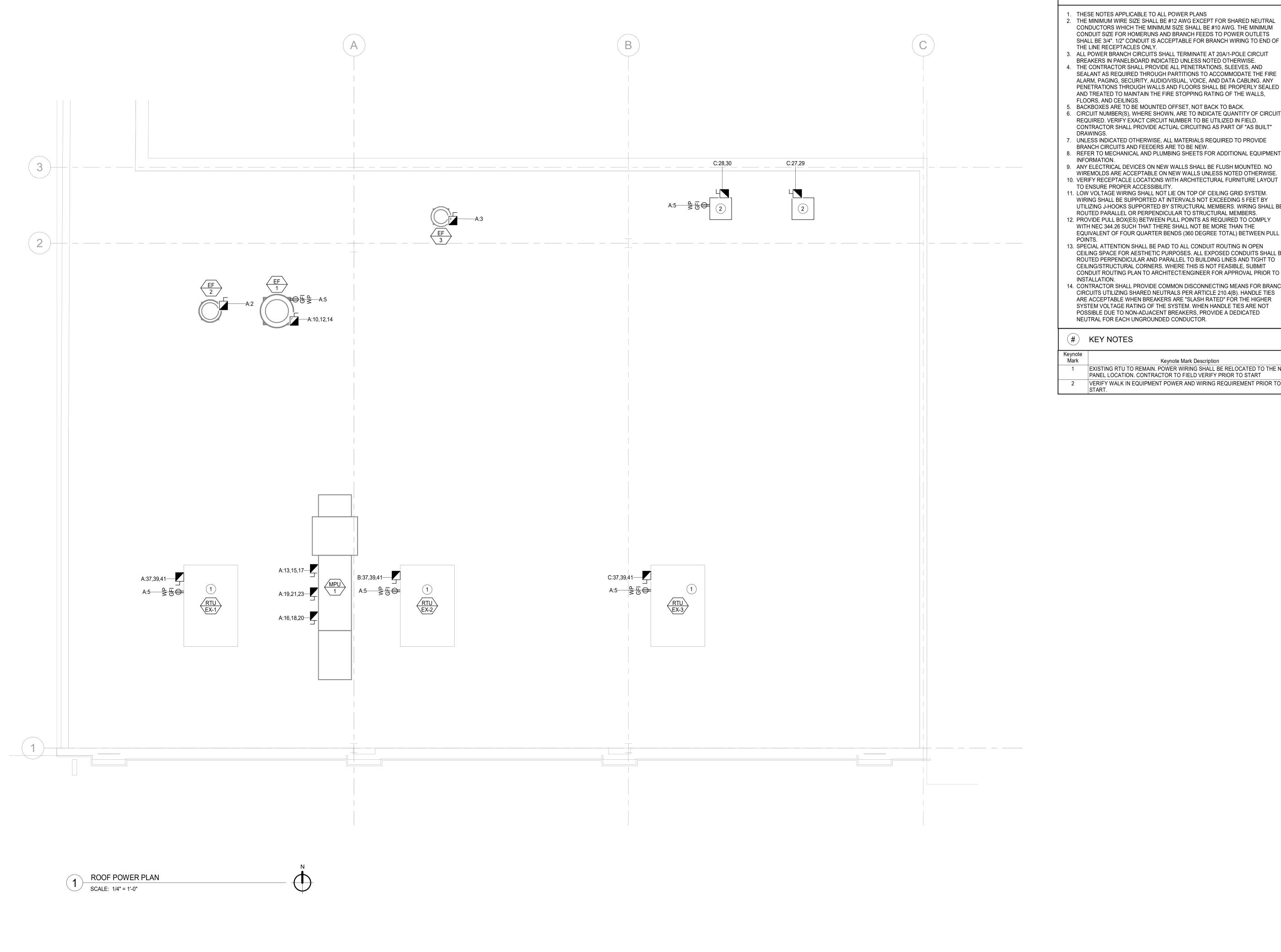
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CLIENT APPROVAL DATE:

TITLE:

POWER PLAN

21020



ELECTRICAL POWER PLAN GENERAL NOTES

1. THESE NOTES APPLICABLE TO ALL POWER PLANS

2. THE MINIMUM WIRE SIZE SHALL BE #12 AWG EXCEPT FOR SHARED NEUTRAL CONDUCTORS WHICH THE MINIMUM SIZE SHALL BE #10 AWG. THE MINIMUM CONDUIT SIZE FOR HOMERUNS AND BRANCH FEEDS TO POWER OUTLETS SHALL BE 3/4". 1/2" CONDUIT IS ACCEPTABLE FOR BRANCH WIRING TO END OF THE LINE RECEPTACLES ONLY.

BREAKERS IN PANELBOARD INDICATED UNLESS NOTED OTHERWISE. 4. THE CONTRACTOR SHALL PROVIDE ALL PENETRATIONS, SLEEVES, AND SEALANT AS REQUIRED THROUGH PARTITIONS TO ACCOMMODATE THE FIRE ALARM, PAGING, SECURITY, AUDIO/VISUAL, VOICE, AND DATA CABLING. ANY PENETRATIONS THROUGH WALLS AND FLOORS SHALL BE PROPERLY SEALED AND TREATED TO MAINTAIN THE FIRE STOPPING RATING OF THE WALLS, FLOORS, AND CEILINGS.

5. BACKBOXES ARE TO BE MOUNTED OFFSET, NOT BACK TO BACK. 6. CIRCUIT NUMBER(S), WHERE SHOWN, ARE TO INDICATE QUANTITY OF CIRCUITS REQUIRED. VERIFY EXACT CIRCUIT NUMBER TO BE UTILIZED IN FIELD. CONTRACTOR SHALL PROVIDE ACTUAL CIRCUITING AS PART OF "AS BUILT"

7. UNLESS INDICATED OTHERWISE, ALL MATERIALS REQUIRED TO PROVIDE

REFER TO MECHANICAL AND PLUMBING SHEETS FOR ADDITIONAL EQUIPMENT 9. ANY ELECTRICAL DEVICES ON NEW WALLS SHALL BE FLUSH MOUNTED. NO

WIREMOLDS ARE ACCEPTABLE ON NEW WALLS UNLESS NOTED OTHERWISE. 10. VERIFY RECEPTACLE LOCATIONS WITH ARCHITECTURAL FURNITURE LAYOUT TO ENSURE PROPER ACCESSIBILITY.

11. LOW VOLTAGE WIRING SHALL NOT LIE ON TOP OF CEILING GRID SYSTEM. WIRING SHALL BE SUPPORTED AT INTERVALS NOT EXCEEDING 5 FEET BY UTILIZING J-HOOKS SUPPORTED BY STRUCTURAL MEMBERS. WIRING SHALL BE ROUTED PARALLEL OR PERPENDICULAR TO STRUCTURAL MEMBERS. 12. PROVIDE PULL BOX(ES) BETWEEN PULL POINTS AS REQUIRED TO COMPLY

EQUIVALENT OF FOUR QUARTER BENDS (360 DEGREE TOTAL) BETWEEN PULL 13. SPECIAL ATTENTION SHALL BE PAID TO ALL CONDUIT ROUTING IN OPEN CEILING SPACE FOR AESTHETIC PURPOSES. ALL EXPOSED CONDUITS SHALL BE ROUTED PERPENDICULAR AND PARALLEL TO BUILDING LINES AND TIGHT TO CEILING/STRUCTURAL CORNERS. WHERE THIS IS NOT FEASIBLE, SUBMIT

14. CONTRACTOR SHALL PROVIDE COMMON DISCONNECTING MEANS FOR BRANCH CIRCUITS UTILIZING SHARED NEUTRALS PER ARTICLE 210.4(B). HANDLE TIES ARE ACCEPTABLE WHEN BREAKERS ARE "SLASH RATED" FOR THE HIGHER SYSTEM VOLTAGE RATING OF THE SYSTEM. WHEN HANDLE TIES ARE NOT POSSIBLE DUE TO NON-ADJACENT BREAKERS, PROVIDE A DEDICATED NEUTRAL FOR EACH UNGROUNDED CONDUCTOR.

Keynote Mark Description 1 EXISTING RTU TO REMAIN. POWER WIRING SHALL BE RELOCATED TO THE NEW PANEL LOCATION. CONTRACTOR TO FIELD VERIFY PRIOR TO START VERIFY WALK IN EQUIPMENT POWER AND WIRING REQUIREMENT PRIOR TO

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JOJO'S SHAKE BAR

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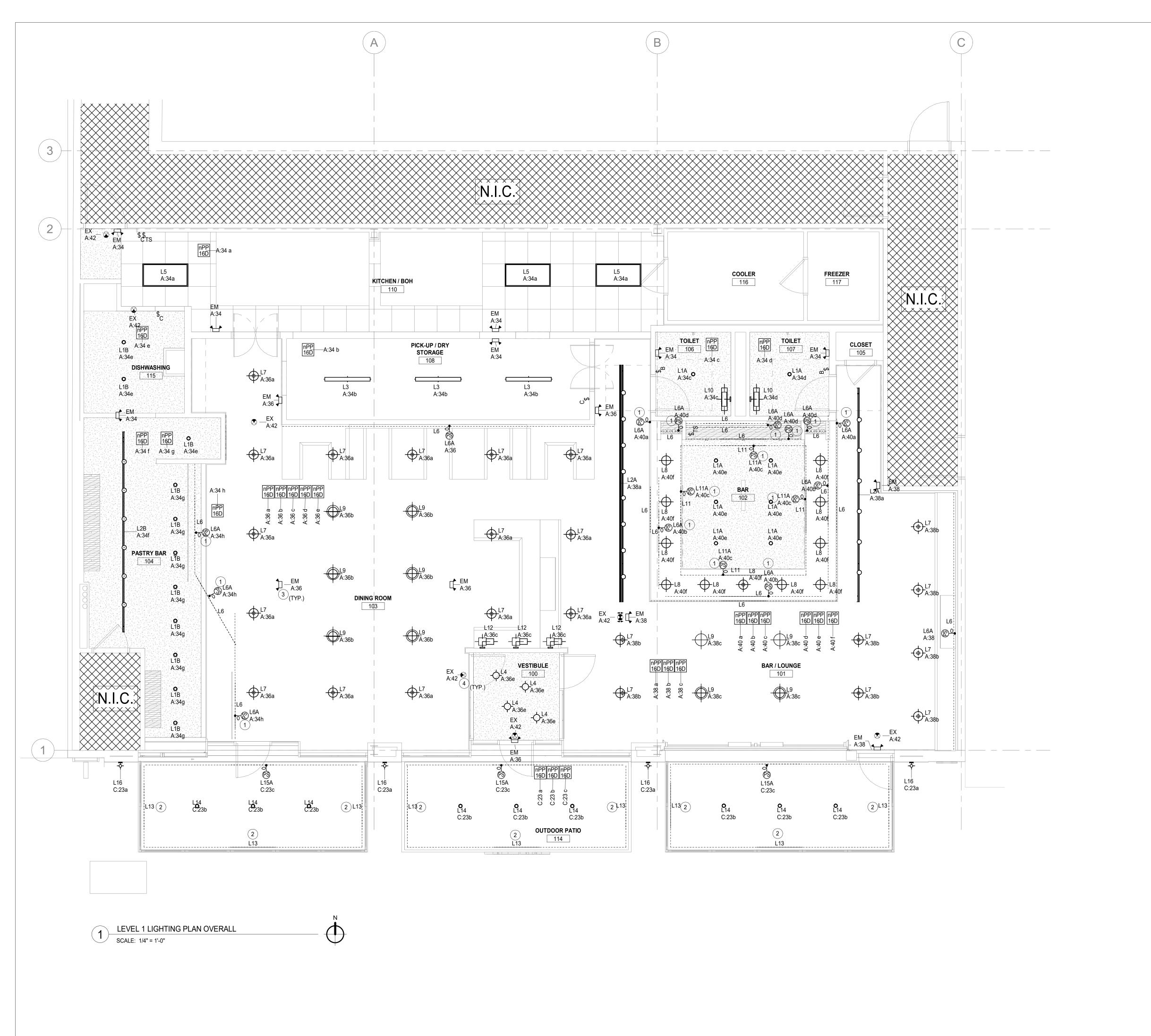
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ROOF POWER PLAN

21020



ELECTRICAL LIGHTING PLAN GENERAL NOTES

- THESE NOTES APPLICABLE TO ALL LIGHTING PLANS THE MINIMUM WIRE SIZE SHALL BE #12 AWG EXCEPT FOR SHARED NEUTRAL CONDUCTORS WHICH THE MINIMUM SIZE SHALL BE #10 AWG. THE MINIMUM CONDUIT SIZE FOR HOMERUNS SHALL BE 3/4".
- ALL LIGHTING BRANCH CIRCUITS SHALL TERMINATE AT 20A/1-POLE CIRCUIT BREAKERS IN PANELBOARD INDICATED UNLESS NOTED OTHERWISE. PROVIDE LOCK-ON CIRCUIT BREAKER DEVICES FOR ALL EMERGENCY LIGHTING
- & EXIT SIGN BRANCH CIRCUITS. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LUMINAIRE
- ALL LUMINAIRES SHOWN HALF SHADED SHALL BE WIRED (NON-SWITCHED CIRCUIT) DIRECTLY TO THE EMERGENCY PANEL. PROVIDE DEDICATED NEUTRAL CONDUCTOR TO EACH BRANCH CIRCUIT TO THE EMERGENCY PANEL CIRCUIT NUMBER(S), WHERE SHOWN, ARE TO INDICATE QUANTITY OF CIRCUITS REQUIRED. VERIFY EXACT CIRCUIT NUMBER TO BE UTILIZED IN FIELD. CONTRACTOR SHALL PROVIDE ACTUAL CIRCUITING AS PART OF "AS BUILT"
- EMERGENCY BATTERY PACKS SHOWN ARE TO BE CONNECTED TO THE NEAREST LIGHTING BRANCH CIRCUIT AHEAD OF LOCAL SWITCH UNLESS NOTED OTHERWISE.
- . ALL LAY-IN LUMINAIRES SHALL BE INDEPENDENTLY SUPPORTED AT OPPOSITE CORNERS TO A STRUCTURAL MEMBER. 10. PROVIDE PULL BOX(ES) BETWEEN PULL POINTS AS REQUIRED TO COMPLY
- WITH NEC 344.26 SUCH THAT THERE SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (360 DEGREE TOTAL) BETWEEN PULL 11. PROVIDE SEPARATE NEUTRAL FOR ALL DIMMED CIRCUITS.
- 12. CONTRACTOR SHALL PROVIDE COMMON DISCONNECTING MEANS FOR BRANCH CIRCUITS UTILIZING SHARED NEUTRALS PER ARTICLE 210.4(B). HANDLE TIES ARE ACCEPTABLE WHEN BREAKERS ARE "SLASH RATED" FOR THE HIGHER SYSTEM VOLTAGE RATING OF THE SYSTEM. WHEN HANDLE TIES ARE NOT POSSIBLE DUE TO NON-ADJACENT BREAKERS, PROVIDE A DEDICATED NEUTRAL FOR EACH UNGROUNDED CONDUCTOR.

(#) KEY NOTES

Keynote Keynote Mark Description 1 POWER SUPPLY FOR LED COLOR CHANGING TAPE LIGHTING. VERIFY LOCATION AND WATTAGE PRIOR TO INSTALL. IT SHALL BE DIMMER TYPE. SEE ARCHITECTURAL PLANS FOR MORE INFO 2 OUTDOOR FESTOON LIGHTS. SEE POWER PLAN FOR RECEPTACLE. PROVIDE N-LIGHT DIMMING CONTROL VEIRFY REQUIREMENTS WITH MANUFACTURER

LITHONIA ELM4L, VERIFY MOUNTING SURFACE PRIOR TO INSTALL, EM LIGHTS SHALL BE TIE AHEAD OF LOCA LIGHTING POWER AHEAD OF ANY SWITCH 4 LITHONIA EDG W 1/2 R EL, VERIFY MOUNTING SURFACE PRIOR TO INSTALL. PROVIDE STEM AS REQUIRED.

JOJO'S SHAKE BAR

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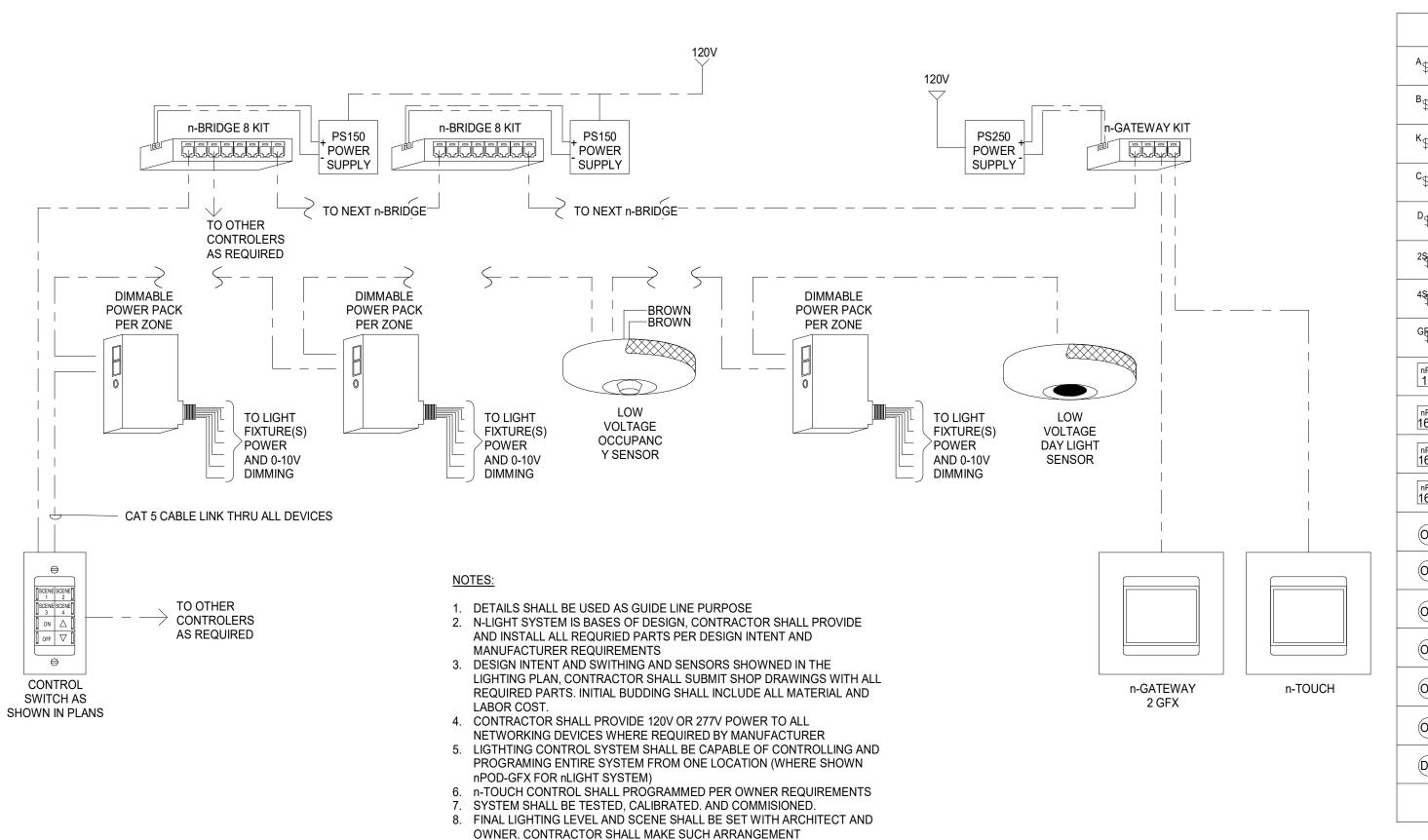
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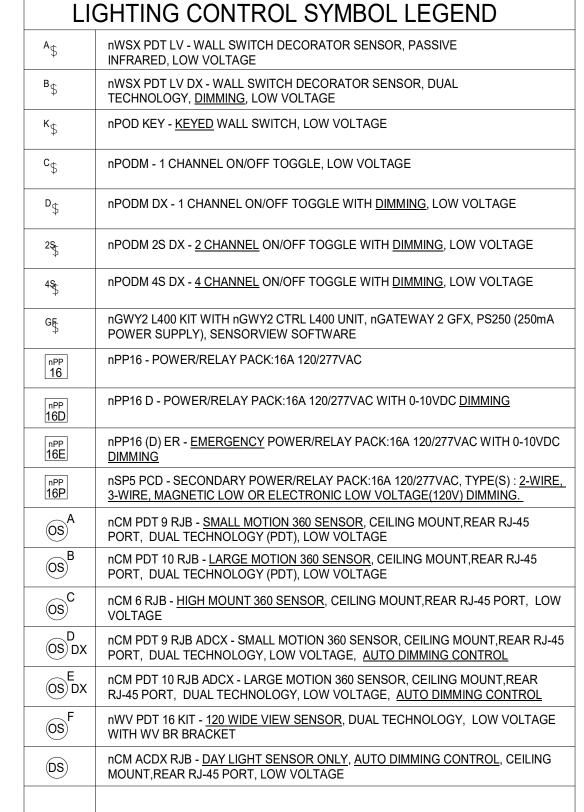
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LIGHTING PLAN

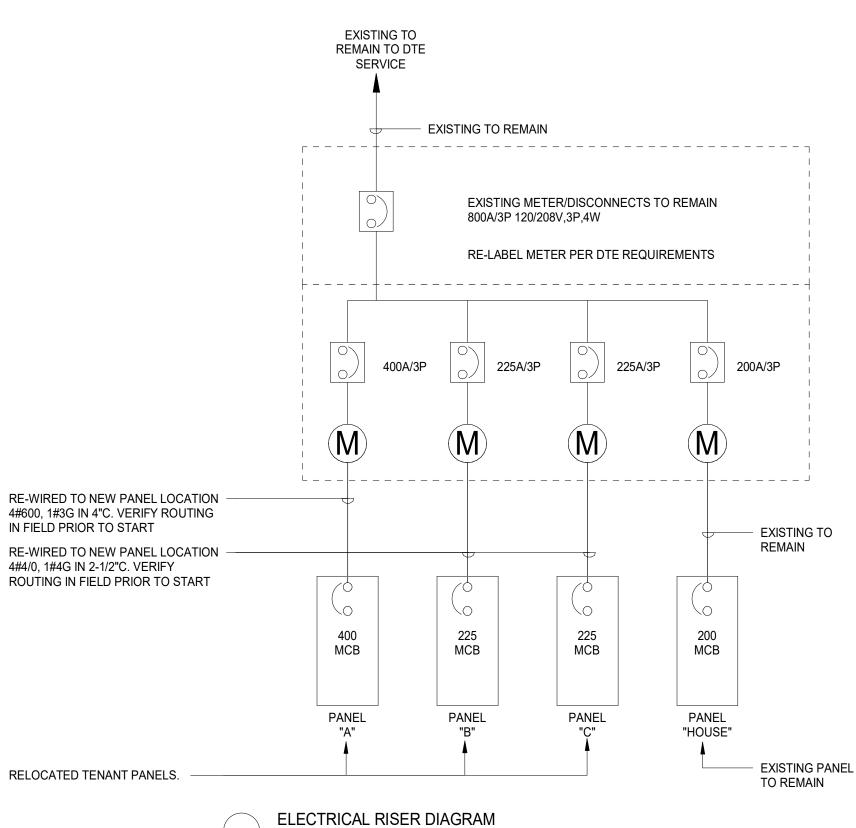
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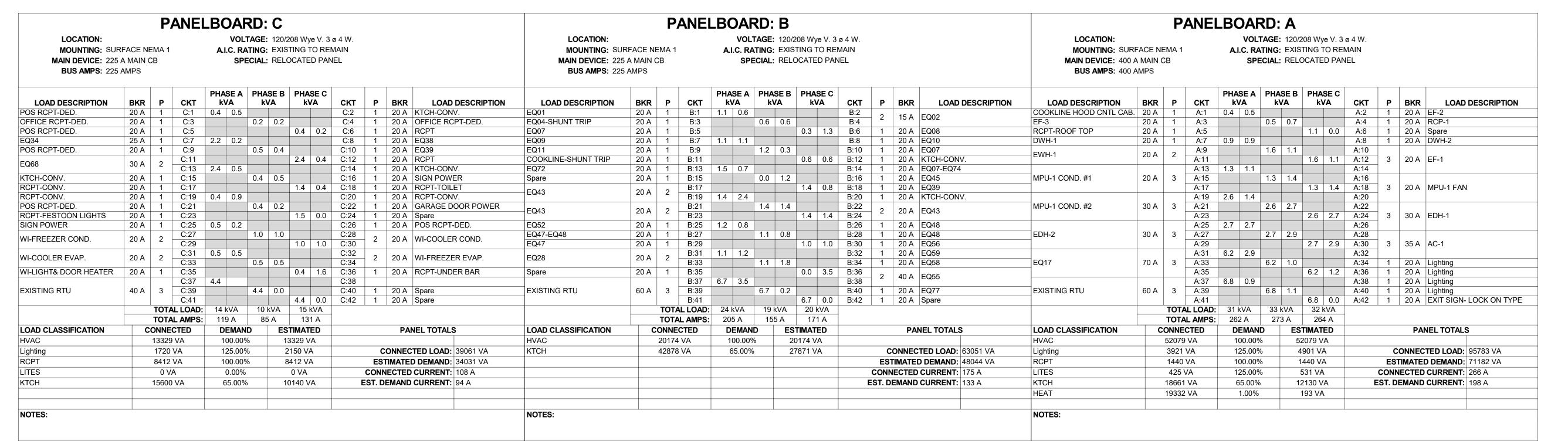




- ACUITY CONTROL/N-LIGHT SYSTEM IS BASIS OF DESIGN. ANY SUBSITUTIONS SHALL BE PRE-APPROVED BY ARCHITECT/ENGINEER.
 CONTRACTOR SHALL COMMISION THE LIGHTING SYSTEM WITH 3RD PARTY CONSULTANT
- CONTRACTOR SHALL INCLUDE PROGRAMMING AND USER TRAINING FOR THE LIGHTING CONTROL SYSTEM.
 CONTROL SYSTEM SHALL MEET IECC 2015 ENERGY CODE IN ALL SCOPE OF WORK. SEE
- CONTROL SYSTEM SHALL MEET IECC 2015 ENERGY CODE IN ALL SCOPE OF WORK. SEE DESIGN GUIDE LINES IN DETAILS
 ALL PARTS AND WIRING NOT SHOWN IN DRAWINGS, CONTRACTOR SHALL PROVIDE AND INSTALL COMPLETE WORKING SYSTEM, INCLUDING ALL DEVICES, WIRING REQUIRED BY

MANUFACTURER AND COMMISIONING AS REQUIRED BY IECC 2015.





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RISER DIAGRAMS

E-401

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