MESHICO RESTAURANT REMODEL

2949 CROOKS ROAD - ROCHESTER HILLS, MI

GENERAL NOTES:

1. ALL DRAWINGS AND THE NOTATIONS SHALL APPLY TO THE WORK OF THIS PROJECT AND SHALL BE CAREFULLY REVIEWED BY EACH CONTRACTOR AND EACH CONTRACTOR SHALL COORDINATE HIS WORK WITH WORK OF ALL OTHER CONTRACTORS. THE GENERAL NOTES SHALL APPLY TO EACH CONTRACTOR.

2. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES FOR SAFETY PRECAUTIONS AND SHALL COMPLY WITH THE REQUIREMENTS OF O.S.H.A. ALL APPLICABLE BUILDING CODES, AND ALL GOVERNMENTAL AGENCIES HAVING JURISDICTION INSOFAR AS APPLICABLE TO HIS PORTION OF THE WORK.

3. ALL MATERIALS SHALL BE NEW AS CALLED FOR IN THE NOTES AND DRAWINGS, AND THE BEST OF THEIR RESPECTIVE KINDS. NO SUBSTITUTIONS SHALL BE MADE BY CONTRACTORS WITHOUT THE PRIOR WRITTEN APPROVAL OF THE GENERAL CONTRACTOR. SUBSTITUTIONS OR 'APPROVED EQUAL' PRODUCTS SHALL BE LISTED AND APPROVED BY THE ARCHITECT PRIOR TO CONTRACT SIGNING. ALL MATERIALS SHALL BE ORDERED IN A TIMELY FASHION AND WILL NOT CONSTITUTE REASON FOR SUBSTITUTION. DELAYS FOR MATERIALS WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR FOR PORTIONS OF THE WORK NOT SHOWN ON DETAIL, BUT WHICH ARE SHOWN GENERALLY, OR ARE REASONABLY INFERRABLE AS BEING REQUIRED FOR A PROPER AND COMPLETE INSTALLATION. THE MATERIALS, METHODS, AND WORKMANSHIP SHALL COMFORM AS A MINIMUM TO THE TYPICAL OR REPRESENTATIVE DETAIL THROUGHOUT CORRESPONDING PARTS OF THE BUILDING.

4. EACH CONTRACTOR OR PARTY ENGAGED ON THE PROJECT SHALL CARRY WORKER'S COMPENSATION INSURANCE IN STATUTORY AMOUNTS, LIABILITY, BODILY INJURY, AUTOMOBILE, AND OTHER INSURANCE IN THE AMOUNTS AND FOR PERIODS SATISFACTORY TO THE GENERAL CONTRACTOR, CERTIFICATIONS OF INSURANCE SHALL BE SUBMITTED BEFORE COMMENCING WORK. FIRE INSURANCE WILL BE CARRIED BY THE GENERAL CONTRACTOR TO THE FULLEST EXTENT PERMITTED BY LAW RELATIVE TO PROJECT. CONTRACTORS, SUBCONTRACTORS AND ALL PARTIES ENGAGED IN THE PORTIONS OF THE WORK SHALL INDEMNIFY AND HOLD HARMLESS THE GENERAL CONTRACTOR AND ARCHITECT AND HIS CONSULTING ENGINEERS AND THEIR AGENTS AND EMPLOYEES FROM AND AGAINST ALL CLAIMS, DAMAGES, LOSSES, INCLUDING DEATH AND EXPENSES. INCLUDING BUT NOT LIMITED TO ATTORNEY'S FEES ARISING OUT OF OR RESULTING FROM THE PERFORMANCE OF THE WORK.

5. EACH CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR, OBTAIN AND PAY FOR ALL PERMITS, TESTS, INSPECTIONS AND APPROVALS REQUIRED FOR HIS PORTION OF THE WORK UNLESS OTHERWISE STIPULATED BY OWNER.

6. ARRANGEMENTS AND PAYMENT FOR TEMPORARY ELECTRICITY, WATER, TOILET FACILITIES, FENCING AND BARRICADES, SECURITY, AND CLEANUP WILL BE AS AGREED UPON IN THE AGREEMENTS BETWEEN GENERAL CONTRACTOR AND CONTRACTOR.

7. EQUIPMENT AND DEVICES OF A TEMPORARY NATURE REQUIRED FOR THE CONSTRUCTION PROCESS AND FOR THE PROTECTION OF THE WORKERS ENGAGED ON THE PROJECT AND FOR THE PUBLIC (SCAFFOLDS, STAGING, PLATFORMS, RUNWAYS, HOISTS, GUARDS, RAILINGS, OPENING PROTECTIVE, ETC.) SHALL BE PROVIDED, ERECTED, AND MAINTAINED BY THE VARIOUS CONTRACTORS IN ACCORDANCE WITH ALL APPLICABLE BUILDING CODES. CONTRACTORS SHALL OBTAIN AND PAY FOR THE REQUISITE PERMITS, INSPECTIONS, AND APPROVALS THEREOF. ALL SUCH ITEMS SHALL BE REMOVED BY CONTRACTORS WHEN ITEMS HAVE BEEN SERVED THEIR PURPOSE AND WHEN DIRECTED BY THE GENERAL CONTRACTOR.

8. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CUTTING, FITTING AND PATCHING THAT MAY BE REQUIRED TO COMPLETE THE WORK OF HIS CONTRACT.

9. SHOULD ANY CONTRACTOR HAVE THE OPINION THAT THERE EXIST IN THE DRAWINGS ANY ERRORS OR DISCREPANCIES, OR THAT CONDITIONS OF THE WORK OF ANY OTHER CONTRACTOR IS SUCH AS WILL PREVENT HIM FROM COMPLETING HIS WORK IN A FIRST-CLASS MANNER. HE SHALL NOTIFY THE GENERAL CONTRACTOR BEFORE PROCEEDING WITH THE WORK. THE GENERAL CONTRACTOR SHALL DIRECT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO CONSTRUCTION AND SHALL BE RESPONSIBLE FOR WORK WHICH PROCEEDS WITHOUT DUE COURSE AND COORDINATION.

10. ALL WORK SHALL BE GUARANTEED FOR A PERIOD OF AT LEAST ONE YEAR FROM THE DATE OF ACCEPTANCE.

11. CONTRACTORS SHALL SUBMIT SAMPLES, MATERIAL LISTS, EQUIPMENT LISTS, AND SHOP DRAWINGS AS CALLED FOR IN THE DRAWINGS AND INCLUDING BUT NOT LIMITED TO:
CONCRETE REINFORCEMENT, FORM WORK, POST-TENSIONED WORK, PRE-ENGINEEERED WOOD & METAL TRUSSES, STAIRS, STAIR ACHORAGES, PRE-MANUFACTURED WALL PANELS, RAILINGS, FENCES, WINDOWS, DOORS DLOOR HARDWARE, ELECTRICAL AND AIR CONDITIONING EQUIPMENT, APPLIANCES, STAINS AND PAINTS AND CABINETRY. THESE ITEMS SHALL BE SUBMITTED SUFFICIENTLY IN ADVANCE TO THE GENERAL CONTRACTOR FOR APPROVAL TO ALLOW FOR REVIEW AND POSSIBLE CORRECTION. FABRICATION SHALL NOT START UNTIL SHOP DRAWINGS ARE APPROVED. COMPLETED WORK SHALL BE IN ACCORDANCE WITH THE APPROVED DOCUMENTS, WHERE REVIEWED AND APPROVED BY THE ARCHITECT AND OR ENGINEER ON BEHALF OF THE GENERAL CONTRACTOR. SUCH REVIEW AND APPROVAL WILL NOT RELIEVE THE CONTRACTORS RESPONSIBILITY FOR QUANTITY, FIT, DIMENSIONS, MEANS, SEQUENCES, METHODS AND PROCEDURES., NOR FOR ANY DEVIATION FROM THE REQUIREMENTS OF THE DRAWINGS AND AGREEMENTS.

12. SITE WORK, CONCRETE, TIMBER, MASONRY. ETC WORK SHALL BE AS SHOWN AND NOTED ON STRUCTURAL DRAWINGS IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS.

13. PLUMBING, AIR-CONDITIONING, AND ELECTRICAL WORK SHALL BE INSTALLED IN BEST TRADE PRACTICES IN ACCORDANCE WITH APPLICABLE CODES AND AS SHOWN ON RELEVANT DRAWINGS AND ARCHITECTURAL DRAWINGS.

14. CARPENTRY WORK SHALL CONSIST, IN GENERAL, OF WORK AS SHOWN INCLUDING BUT NOT LIMITED TO THE WALLS, ROOFS, SHEATHING, WOOD TRIM (BOTH INTERIOR AND EXTERIOR) INTERIOR STUDDING FOR PARTITIONS, STAIRS, DOORS AND APPLICATION OF HARDWARE. ALL SIZES, TYPES, DETAILS AND SPECIES AS SHOWN. INSTALL ALL MEMBERS AS SHOWN IN PROPER LOCATIONS PLUMB AND TRUE TO LEVEL. SECURELY FASTEN AND ANCHOR WALLS TO THE CONCRETE STRUCTURE,AND ALL MEMBERS TO EACH OTHER TO PROVIDE FULL STRENGTH AT JOINTS USING PROPER AND SUFFICIENT FASTENING IN ORDER TO ENSURE RIGIDITY OF THE STRUCTURE AND CONFORMITY TO CODE.

15. INTERIOR WALL AND CEILING FINISH MATERIALS SHALL HAVE SMOKE DEVELOPMENT RATING OF 450 OR LESS WHEN TESTED IN ACCORDANCE WITH ASTM E84 OR UL 723 AND A FLAME SPREAD RATING OF 200 OR LESS WHEN TESTED IN ACCORDANCE WITH ASTM E84 OR UL 723 - CLASS "C" MINIMUM.

CODE DATA:

- 2015 MICHIGAN BUILDING CODE
- 2015 MICHIGAN PLUMBING CODE
- 2015 MICHIGAN MECHANICAL CODE
- 2015 INTERNATIONAL FUEL GAS CODE
- 2015 MICHIGAN REHABILITATION CODE
- MICHIGAN ELECTRICAL CODE BASED ON 2014 N.E.C. WITH PART 8 STATE AMENDMENTS
- 2000 NFPA 101 LIFE SAFETY CODE
- MICHIGAN UNIFORM ENERGY CODE RULES PART 10 WTIH ANSI/ASHRAE/IESNA STANDARD 90.1 - 2013
- 2012 INTERNATIONAL FIRE CODE
- 2009 ICC/ANSI A117.1 & MICHIGAN BARRIER FREE DESIGN LAW OF PUBLIC ACT 1 OF 1966 AS AMENDED
- 2010 NFPA 13 FIRE SUPPRESSION
- 2010 NFPA 72 FIRE ALARM

BUILDING DATA:

OCCUPANCY CLASS: GROUP A-2 (ASSEMBLY)
CONSTRUCTION TYPE: TYPE II B
FULLY AUTOMATIC SPRINKLER SYSTEM (MONITORED)

TOTAL LEASED AREA: 3,227 S.F. (GROSS)

OCCUPANT LOAD:

DINING: 82 SEATS (INTERIOR) + 46 SEATS (EXTERIOR)
EMPLOYEES: 6 MAX. PER SHIFT

TOTAL OCCUPANT LOAD: = 134

EXITS REQUIRED: 2
EXITS PROVIDED: 3

EGRESS WIDTH REQUIREMENTS: (1005.3.2)
OCCUPANT LOAD X 0.15 = 20.1 IN.

EGRESS WIDTH PROVIDED:
3 DOORS X 36" = 72 IN.

PLUMBING FIXTURE REQUIREMENTS: (MPC 403.1)

MEN/WOMEN =	1/40 TOILETS/URINALS	1/75 LAVS.
TOTAL :	3 TOILETS/URINALS	2 LAVS.

PLUMBING FIXTURE PROVIDED:

MEN =	1 TOILETS + 1 URINAL	1 LAVS.
WOMEN =	2 TOILETS	1 LAVS.
TOTAL :	4 TOILETS/URINAL	2 LAVS.

CONTACT LIST:

OWNER: GFL ENTERPRISES
MIKE LAVANOS
2949 CROOKS RD.
ROCHESTER HILLS, MI
MLIVANOS1@GMAIL.COM

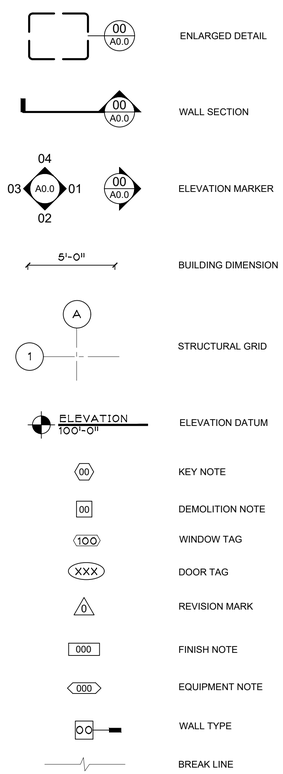
ARCHITECT: STEMPIEN ACCOCIATES ARCHITECTS
29895 GREENFIELD RD.
SOUTHFIELD, MI 48076
SHARCHITEC37@GMAIL.COM

KITCHEN EQUIPMENT
CONTRACTOR: MIA DESIGN
MOUNIR ISMAIL
MIADESIGN@SBCGLOBAL.NET

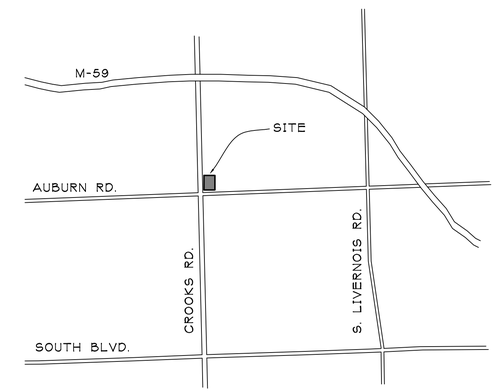
SHEET LEGEND:

G100	TITLE SHEET/ ARCHITECTURAL DATA
D.100	DEMOLITION PLAN
A.100	FLOOR AND REFLECTED CEILING PLANS
K.100	KITCHEN EQUIPMENT PLANS
A.200	EXTERIOR ELEVATIONS
A.300	BUILDING SECTIONS- DETAILS
A.400	INTERIOR ELEVATIONS
A.410	INTERIOR ELEVATIONS
A.900	GENERAL CONDITIONS

SYMBOLS:

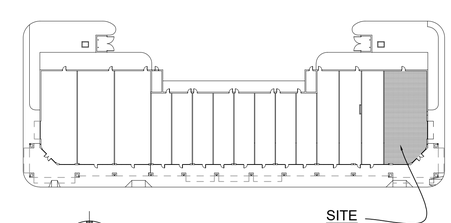


VACINITY MAP:



VACINITY MAP
NO SCALE

KEY PLAN:



KEY PLAN
NO SCALE

ARCHITECT LLC
SHARCHITECT37@GMAIL.COM
248.464.5005

PROJECT:
MESHICO RESTAURANT
2949 CROOKS RD.
ROCHESTER HILLS, MICHIGAN

SHEET TITLE:
TITEL SHEET

ISSUED FOR:
BIDS & PRICING
10-6-2021
PERMIT
10-8-2021

DO NOT SCALE PRINTS
USE FIGURED DIMENSIONS ONLY

JOB NO.
21025

SHEET NO.
G.100

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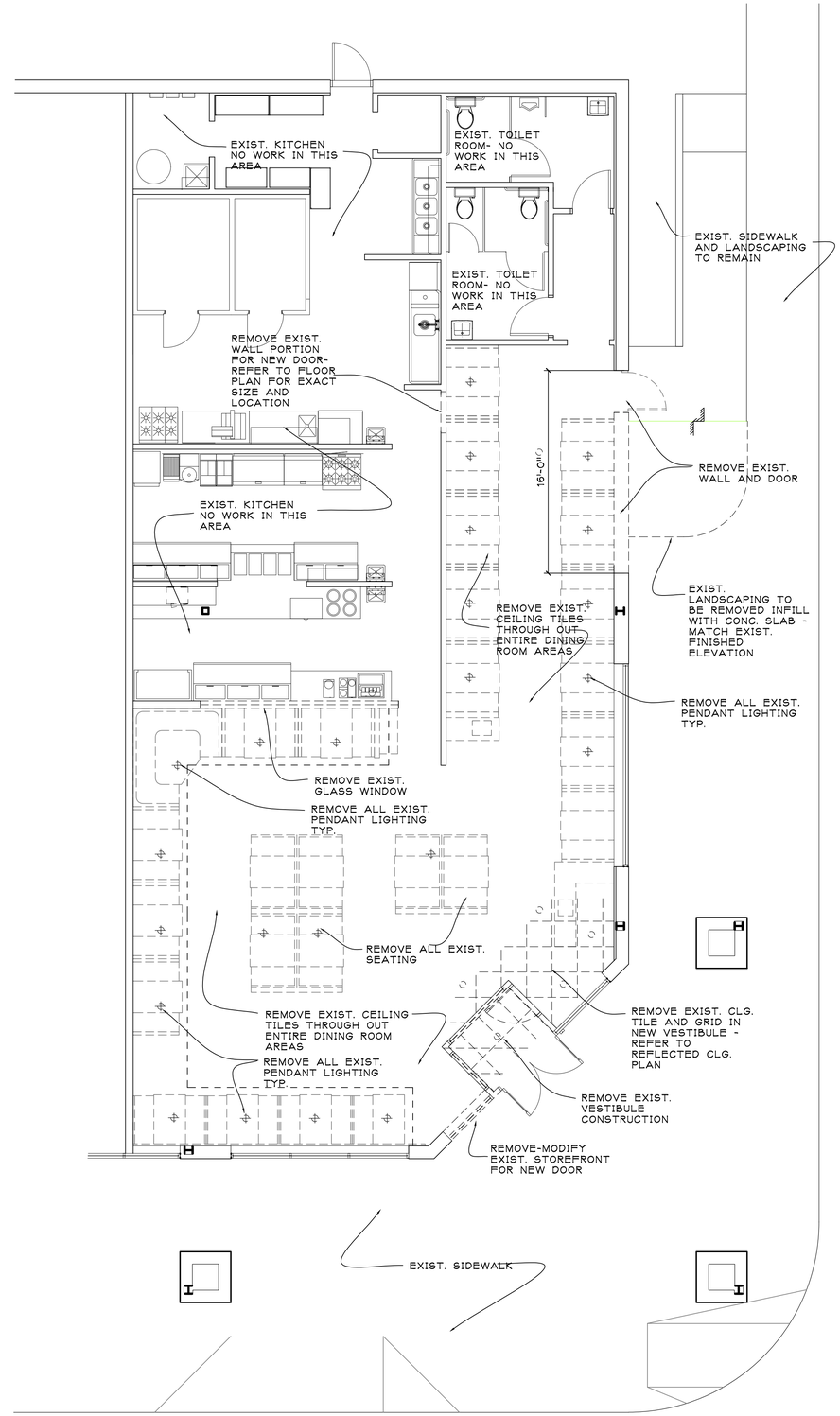
DEMOLITION NOTES:

1. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION WORK REQUIRED TO IMPLEMENT NEW WORK, AS SHOWN ON OTHER DRAWINGS. THIS PLAN INDICATES ONLY THE APPROXIMATE DEMOLITION REQUIRED. EXISTING CONDITIONS NOT SHOWN OR NOTED SHALL REMAIN UNCHANGED UNLESS APPROVED BY THE ARCHITECT OR OWNER'S REPRESENTATIVE. EXISTING MATERIALS ADJACENT TO THE NEW CONSTRUCTION SHALL BE PATCHED, REPAIRED, AND FINISHED TO PROVIDE A SMOOTH, LEVEL AND UNNOTICEABLE TRANSITION BETWEEN NEW AND EXISTING FINISHES.
2. CONTRACTOR SHALL VERIFY FIELD CONDITIONS AND NOTIFY OWNER'S REPRESENTATIVE AND ARCHITECT OF DISCREPANCIES BEFORE PROCEEDING WITH WORK.
3. CEASE OPERATIONS AND NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY IF SAFETY OF STRUCTURE APPEARS TO BE COMPROMISED. TAKE PRECAUTIONS TO PROPERLY SUPPORT STRUCTURE. DO NOT RESUME OPERATIONS UNTIL SAFETY IS RESTORED. NOTIFY PROJECT ARCHITECT AND OWNER'S REPRESENTATIVE OF HAZARDOUS CONTAINING MATERIALS ENCOUNTERED DURING DEMOLITION THAT MAY NEED TESTING OR REMEDIATION.
4. PROVIDE, ERECT, AND MAINTAIN BARRICADES, LIGHTING, AND GUARD RAILS AS REQUIRED BY APPLICABLE CODES TO PROTECT OCCUPANTS OF BUILDING, WORKERS, AND PEDESTRIANS.
5. WHEN DISCONNECTING, REMOVING, AND CAPPING UTILITY SERVICES WITHIN AREAS OF DEMOLITION, NOTIFY THE LOCAL UTILITY COMPANY AND OWNER'S REPRESENTATIVE IN ADVANCE AND OBTAIN APPROVAL BEFORE STARTING THE WORK.
6. PLACE MARKERS TO INDICATE LOCATION OF DISCONNECTED SERVICES. IDENTIFY SERVICE LINES AND CAPPING LOCATIONS ON PROJECT RECORD DOCUMENTS.
7. EXCEPT WHERE NOTED OTHERWISE, MAINTAIN POSSESSION OF MATERIALS BEING DEMOLISHED. IMMEDIATELY REMOVE FROM SITE.
8. DEMOLISH IN AN ORDERLY AND CAREFUL MANNER AS REQUIRED TO ACCOMMODATE NEW WORK, INCLUDING THAT REQUIRED FOR CONNECTION TO THE EXISTING BUILDING. PROTECT EXISTING FOUNDATIONS AND SUPPORTING STRUCTURAL MEMBERS.
9. PERFORM DEMOLITION IN ACCORDANCE WITH APPLICABLE AUTHORITIES HAVING JURISDICTION.
10. REPAIR DEMOLITION PERFORMED IN EXCESS OF THAT REQUIRED, AT NO COST TO OWNER.
11. BURNING OF MATERIALS ON SITE IS NOT PERMITTED.
12. REMOVE DEMOLISHED MATERIALS, TOOLS, AND EQUIPMENT FROM SITE UPON COMPLETION OF WORK. LEAVE SITE IN CONDITION ACCEPTABLE TO OWNER'S REPRESENTATIVE.
13. G.C. TO REMOVE F.F.&E. SCHEDULED TO BE REMOVED PRIOR TO DEMOLITION START. G.C. TO PROTECT AND SHRINK-WRAP REMAINING F.F.&E. NOT AFFECTED BY SCOPE OF WORK FOR DURATION OF JOB. G.C. TO COORDINATE WITH OWNER REPRESENTATIVE.
14. PRIOR TO BID SUBMISSION, THE G.C. SHALL MAKE A SITE VISIT TO REVIEW THE DEMOLITION REQUIREMENTS INCLUDING, BUT NOT LIMITED TO SITE WORK, EXTERIOR & INTERIOR OF THE EXISTING STRUCTURE. REVIEW M.E.P. DRAWINGS FOR DEMOLITION REQUIREMENTS / UTILITY RELOCATIONS. COORDINATE DEMOLITION WITH OWNER'S REPRESENTATIVE.
15. REMOVE EXISTING FLOOR & WALL FINISHES AS NOTED AND AS REQUIRED FOR NEW FINISHES. CLEAN, PREP, AND REPAIR SUBSTRATES TO SPECIFICATION REQUIREMENTS OF NEW SCHEDULE FINISHES.
16. DISCONNECT AND/OR REMOVE UNUSED / ABANDONED ELECTRICAL CIRCUITS FROM ELECTRICAL SOURCE PER CODE.
17. CAP, DISCONNECT AND/OR REMOVE ALL PLUMBING LINES NOTED FOR DEMOLITION IN ACCORDANCE WITH CODE.
18. WHENEVER REQUIRED BY LOCAL AUTHORITIES AND AS DIRECTED BY OWNER'S REPRESENTATIVE UNUSED UTILITIES SHALL BE REMOVED IN THEIR ENTIRETY.
19. REMOVE (E) FINISHES THROUGHOUT DINING ROOM, HALLWAY, VESTIBULE & RESTROOMS AS REQUIRED FOR NEW WORK. EXISTING GYPSUM BOARD TO REMAIN IF POSSIBLE EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE.
20. REFER TO REFLECTED CEILING PLAN FOR ADDITIONAL DEMOLITION SCOPE.



DEMOLITION PLAN

SCALE: 3/16" = 1'-0"

ARCHITECT LLC

SHARCHITECT37@GMAIL.COM
248.464.5005

PROJECT:

MESHICO RESTAURANT

2949 CROOKS RD.
ROCHESTER HILLS,
MICHIGAN

SHEET TITLE:

DEMOLITION PLAN

ISSUED FOR:

BIDS & PRICING
10-6-2021
PERMIT
10-8-2021

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JOB NO.

21025

SHEET NO.

D.100

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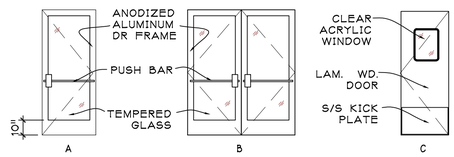
DOOR SCHEDULE

DOOR NO.	DOOR SIZE	DOOR TYPE	DOOR MAT'L.	FRAME DET.	FRAME MAT'L.	HARDWARE SET	HARDWARE THRESH.	REMARKS
100	(2) 3'-0" X 7'-0"	B	AL./ GL.		AL.	EXIST.	-	EXIST.
101	3'-0" X 7'-0"	A	AL./ GL.		AL.	1	-	BI-SWING HARDWARE
102	3'-0" X 7'-0"	C	LAM.WD.		HM.	2	-	ELIASON SPC-8
103	3'-0" X 7'-0"	C	LAM.WD.		HM.	2	-	ELIASON SPC-8
104	3'-0" X 7'-0"	A	AL./ GL.		AL.	1	-	MATCH EXIST.

DOOR TYPES

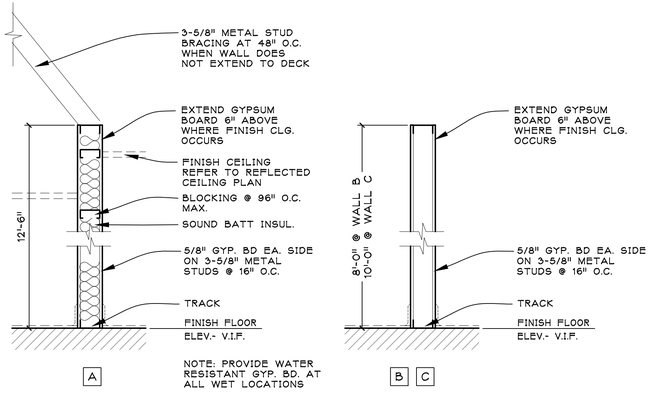


HARDWARE SETS

1	1 1/2 PR. PIVOT HINGES WIRE PULL (STRAIGHT 1"DIA x 10"H) FULL WIDTH WIRE PUSH BAR (1"DIA.) CLOSER DORMA 8616 NO LOCK, LATCH OR STRIKE	2	2 PR. SPING LOADED PIVOT HINGES PER MANUFACTURER OF DOOR (ELIASON DOOR) S/S KICK PLATES (10"Hx32"W) EA. DOOR AND EA. SIDE (AS PART OF DOOR)

LIGHTING FIXTURE SCHEDULE

SYMBOL	TYPE	MFR.	CATALOG NUMBER	DESCRIPTION	WATTS	LAMPS
		EXISTING		EXIST. 2X4 RECESSED TROFFER TO REMAIN		
	E	EXISTING		EXIST. DOWN-LIGHT TO REMAIN - PROVIDE NEW LED BULBS		
	EM	LITHONIA	ELM OR EQUAL	2-HEADED EM W/ BATTERY BACK UP	1	1-BATT
	XEM	LITHONIA	LQM SERIES OR EQUAL	LED COMBO EXIT W/REMOTE CAPACITY	1	1-BATT
	EX	LITHONIA	EXR-EL-M6	LED EXIT SIGN W/ RED LETTERS AND BATTRY BACK UP		
	ER	EXIST.		SINGLE WEATHERPROOF REMOTE HEAD		
	W-1	TBD	TBD	GOOSE NECK WALL MTD. LIGHT FIXTURE		
	W-2	TBD	TBD	UP-DOWN LIGHT WALL SCONCE		
	P-1	TBD	TBD	PEDNANT MTD. LIGHT FIXTURE		
	P-2	TBD	TBD	CUSTOM LIGHT FIXTURE		
	P-3	TBD	TBD	CUSTOM LIGHT FIXTURE		
	G-1	TBD	TBD	GIMBLE RING LIGHT HEAD		

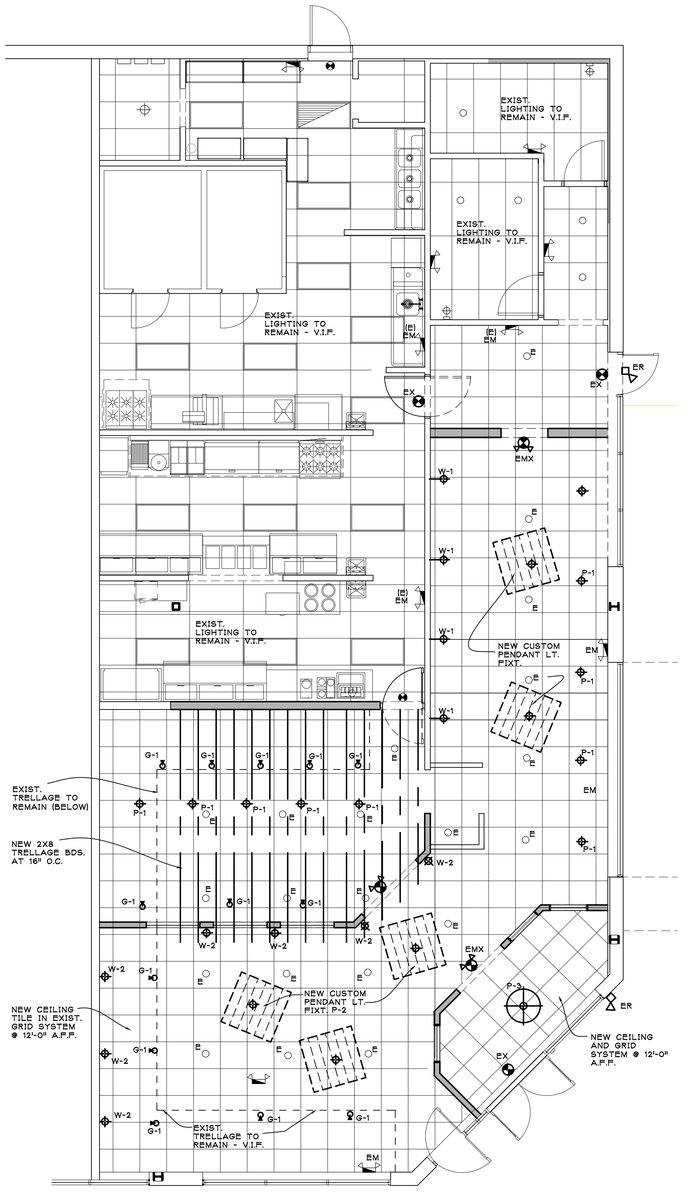


NOTE: PROVIDE WATER RESISTANT GYP. BD. AT ALL WET LOCATIONS

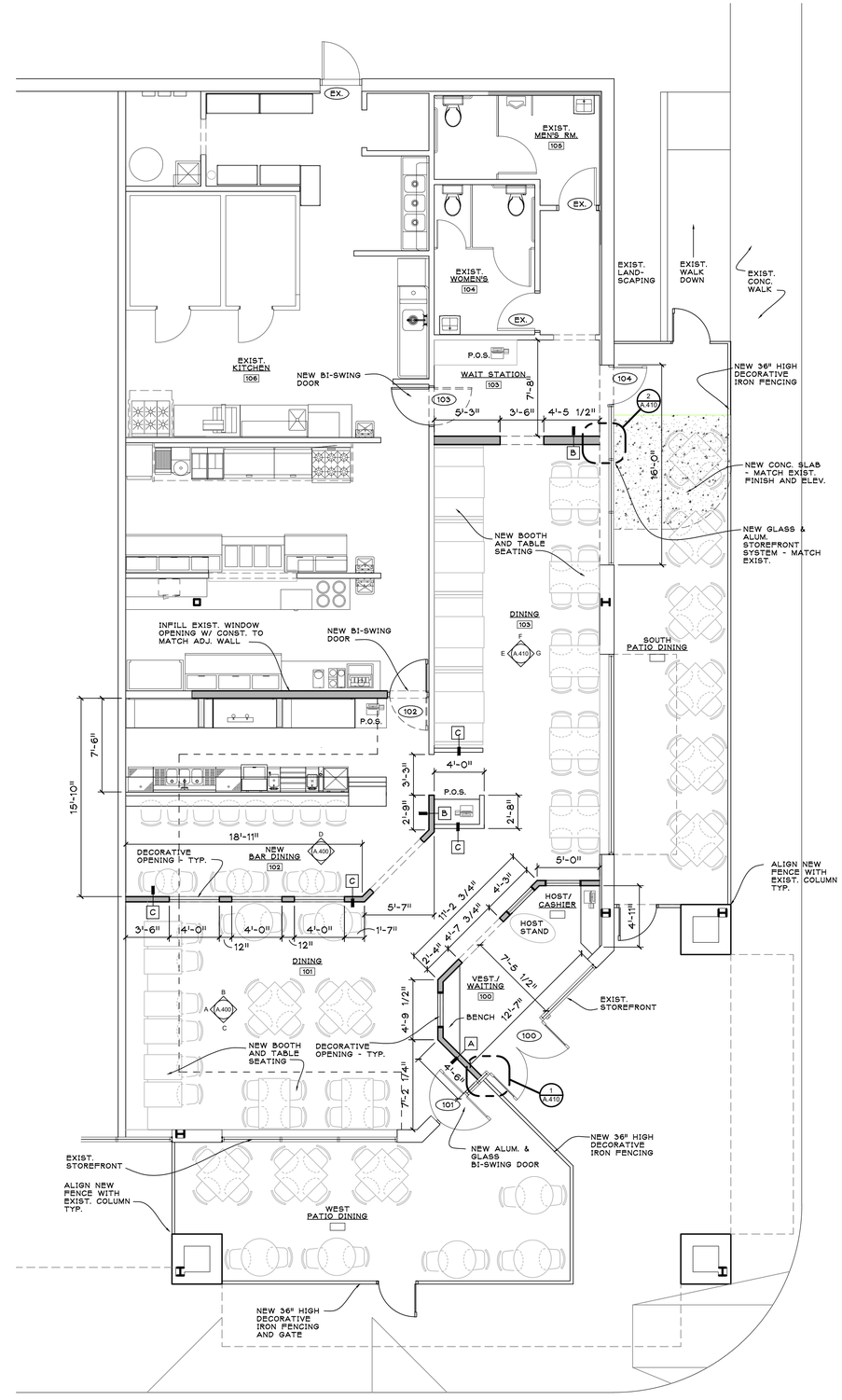
WALL LEGEND
NO SCALE

CEILING TILE NOTES:

1. PROVIDE SAMPLES FOR REVIEW BY ARCHITECT.
2. NEW CEILING PANELS SHALL BE 2' X 2' REFER TO THE REFLECTED CEILING PLAN FOR INFORMATION, AS MANUFACTURED BY ARMSTRONG OR EQUIVALENT.
3. SUSPENSION GRID SHALL BE SIZED TO MATCH TILE, INTERMEDIATE DUTY, SINGLE-WEB TEE, WHITE. PROVIDE SEISMIC BRACING AS REQUIRED BY BUILDING CODE.
4. INSTALL CEILING SYSTEM IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
5. INSTALL CEILING SYSTEM LEVEL AND IN CONFIGURATIONS INDICATED ON DRAWINGS.
6. PROVIDE ALL REQUIRED ACCESSORIES FOR PROPER INSTALLATION.



REFLECTED CEILING PLAN
SCALE: 3/16" = 1'-0"



FLOOR PLAN
SCALE: 3/16" = 1'-0"

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FLOOR PLAN

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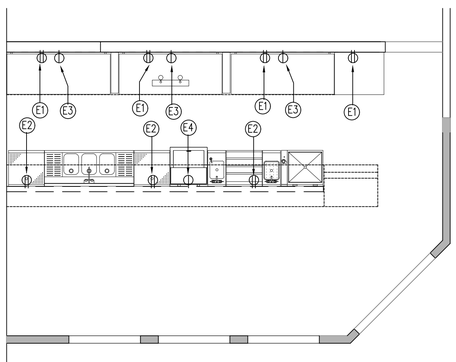
GENERAL REQUIREMENTS

CODES: THE WORK SHALL COMPLYH WITH THE CURRENT NATIONAL ELECTRIC CODE (N.E.C.) AND ALL APPLICABLE CODES AS INDICATED ON THE DRAWINGS. COPIES OF THE CURRENT EDITION OF THE N.E.C. AND ALL LOCAL CODES SHALL BE PROVIDED AT THE WORK SITE BY THE CONTRACTOR THROUGHOUT THE LIFE OF THE CONTRACT. COORDINATION.

1. THE WORK SHALL BE COORDINATED WITH THE WORK OF OTHER TRADES TO AVOID INTERFERENCE. REFER TO ARCHITECTURAL, STRUCTURAL, KITCHEN EQUIPMENT AND MECHANICAL DRAWINGS FOR CEILING HEIGHTS, ROOM FINISHES, DOOR SWINGS, BUILDING DIMENSIONS, LOCATION AND SIZES OF DUCTS, PIPES AND MECHANICAL EQUIPMENT ETC.. PROVIDE ADDITIONAL SUPPORT FOR RACEWAYS, BOXES, SWITCHES, CIRCUIT BREAKERS, MOTOR CONTROLLERS, FIXTURES AND THE LIKE. WHERE THE BUILDING STRUCTURE IS NOT ADAPTED OR SUITABLE FOR MOUNTING THE SAME DIRECTLY THERE ON. RACEWAYS SHALL NOT BE USED AS SUPPORTS FOR BOXES OR OTHER ELECTRICAL EQUIPMENT.
2. IT SHALL BE THE CONTRACTOR'S REPONSIBILITY TO VERIFY THAT ALL EQUIPMENT FURNISHED UNDER OTHER TRADES IS COMPATIBLE WITH THE ELECTRICAL FEEDER & NEMA RECEPTACLES CONFIGURATION PROVIDED UNDER THE ELECTRICAL TRADE. CASES OF DISCREPENCY MUST BE BROUGHT TO THE ENGINEER'S OR ARCHITECT'S ATTENTION.
3. MAKE FINAL CONNECTIONS TO KITCHEN EQUIPMENT PER THE MOST STRINGENT OF KITCHEN EQUIPMENT SHOP DRAWINGS, MANUFACTURERS SHOP DRAWINGS, AND MUNICIPAL ELECTRICAL AND NFPA CODES.
4. ALL ELECTRICAL WORK INCLUDING INSTALLING CONDUIT, WIRE, LIGHTING, PANELS BOARDS, ETC. SHALL BE INSTALLED BY A LICENSED REPRESENTATIVE OF THE ELECTRICAL CONTRACTOR & INSPECTED PRIOR TO COVERING.
5. LISTED OR LABELED EQUIPMENT SHALL BE USED AND INSTALLED IN ACCORDANCE WITH ANY INSTRUCTIONS INCLUDED IN THE LISTING OR LABELING.
6. WIRING LOCATED ABOVE A SUSPENDED CEILING SHALL NOT BE SUPPORTED BY THE CEILING ASSEMBLY INCLUDING SUPPORT WIRES, UNLESS TESTED AS PART OF THE ASSEMBLY.
7. FLEXIBLE CORDS & CABLES SHALL NOT BE PERMITTED ABOVE A SUSPENDED OR DROPPED CEILING.
8. LIGHTING FIXTURES LOCATED WITHIN SUSPENDED CEILING SYSTEMS SHALL BE SECURELY FASTENED TO THE CEILING FRAMING BY MECHANICAL MEANS. THE FRAMING MEMBERS OF THE SUSPENDED CEILING SYSTEM USED TO SUPPORT THE FIXTURES SHALL BE SECURELY FASTENED TO EACH OTHER AND SHALL BE SECURELY ATTACHED TO THE BUILDING STRUCTURE AT APPROPRIATE INTERVALS.
9. THE METAL GAS PIPING SYSTEM SHALL BE ELECTRICALLY CONTINUOUS AND BONDED TO THE GROUNDING ELECTRODE.
10. THE LABELING OF THE BRANCH CIRCUITS, FEEDERS AND DISCONNECTS SHALL BE LEGIBLY MARKED TO INDICATE ITS PURPOSE. THE MARKING SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED.
11. VERIFY THE REQUIRED A.I.C. RATING W/ THE LOCAL UTILITY COMPANY.
12. NONMETALLIC SHEATHED CABLE (WHERE PERMITTED BY CODE) SHALL NOT BE INSTALLED ABOVE THE SUSPENDED CEILING. ALL RUNS ABOVE THE CEILING SHALL BE IN FLEXIBLE METAL CONDUIT, MINIMUM.
13. ALL CONDUCTORS SHALL BE COPPER.
14. PROVIDE LIGHTING SENSORS AND CONTROLS IN ACCORDANCE WITH ASHRAE 90.1 OF THE MICHIGAN ENERGY CODE.
15. EXAM AREAS: THE GROUNDING TERMINALS OF ALL RECEPTACLES AND ALL NON-CURRENT-CARRYING CONDUCTIVE SURFACES OF FIXED ELCTRIC EQUIPMENT LIKELY TO BECOME ENERGIZED THAT ARE SUBJECT TO PERSONAL CONTACT, OPERATING AT OVER 100 VOLTS, SHALL BE GROUNDED BY AN INSULATING COPPER CONDUCTOR.
16. ALL BRANCH CIRCUITS SERVING TREATMENT ROOMS SHALL BE PROVIDED WITH A GROUND PATH FOR FAULT CURRENT BY INSTALLATION OF AN INSULATING COPPER CONDUCTOR.
17. THE E.C. SHALL PROVIDE ALL SWITCHING & FINAL CONNECTIONS TO THE M.C.'S EXHAUST FANS.
18. ALL RECEPTACLES IN KITCHENS, BREAK ROOMS, KITCHENETTES AND FOOD PREP AREAS SHALL BE GFI OR GFI CIRCUIT PROTECTED.
19. ALL DATA CABLING SHALL BE CAT6. THE E.C. SHALL PROVIDE AND INSTALL ALL DATA CABLING FROM THE DEVICE TERMINATIONS TO THE DESIGNATED ROOM. THE TENANT'S I.T. VENDOR WILL PROVIDE SERVER AND CONNECTION HUBS IN THE DESIGNATED ROOM. 20.THE E.C. SHALL LAYOUT; SUBMIT FOR REVIEW; PROVIDE AND INSTALL THE FIRE ALARM SYSTEM AND SMOKE DETECTION SYSTEM.
21. THE E.C. SHALL PROVIDE AND INSTALL THE TELEPHONE WIRING. THE TELEPHONE WIRING SHALL BE CAT5. THE E.C. SHALL RUN THE WIRING FROM THE DEVICE TERMINATIONS (BY E.C.) TO THE PHONE BOARD LOCATION FOR FUTURE HOOK-UP BY THE UTILITY COMPANY AND TENANT VENDOR.
22. ALL SERVICES AND PANEL FEEDS SHALL BE IN RIGID EMT -ALL BRANCHES SHALL BE IN MC CABLE.
23. WHEN THE JOB IS COMPLETED, THE CONTRACTOR SHALL PROVIDE THE OWNER WITH CERTIFICATE OF APPROVAL FROM THE LOCAL INSPECTION AUTHORITY. THE CONTRACTOR SHALL GIVE THE OWNER A WRITTEN GUARANTEE THAT HE WILL MAKE GOOD, AT HIS OWN EXPENSE, ANY DEFECTS IN MATERIALS OR WORKMANSHIP WHICH MAY DEVELOP WITHIN ONE (1) YEAR FROM THE DATE OF CERTIFICATE OF OCCUPANCY.

ELECT. ABBREVIATIONS & SYMBOLS		
E.C.	▼	ELECTRICAL CONNECTION – CONDUIT
D.R.		DUPLEX RECEPTACLE
S.R.		SINGLE RECEPTACLE
HP		HORSE POWER
K.W.		KILOWATT
W.		WATT
AMP		AMPERAGE
V.		VOLTAGE
SW		SWITCH
JB.	□	JUNCTION BOX
		INCANDESCENT LIGHT
	▭	FLUORESCENT LIGHT
A.F.F.		ABOVE FINISHED FLOOR
D.F.A.		DROP FROM ABOVE
BT		BRANCH & CONNECT TO

NO.	PARTIAL FOOD SERVICE BAR AREA ELECTRICAL ROUGH-IN
E1	(4) DR, 120, 20A, GPO, 48" AFF, GENERAL PURPOSE, GFI TYPE WHERE APPLICABLE
E2	(3) DR, 120, 20A, GPO, 36" AFF, GENERAL PURPOSE, GFI TYPE WHERE APPLICABLE
E3	(3) SR, 120, 6.5A, 16" AFF, BACK BAR COOLER
E4	SR, 120, 5.5A, 16" AFF, MUG FROSTER



BAR ELECTRICAL PLAN
SCALE: 3/16" = 1'-0"

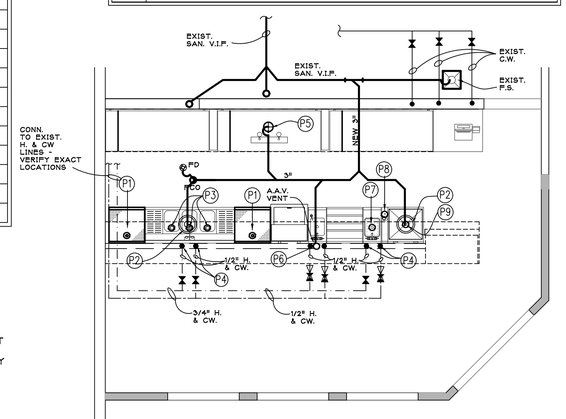
PLUMBING SPECIFICATIONS

1. FURNISH AND INSTALL ALL PLUMBING EQUIPMENT PIPING AND ACCESSORIES SHOWN OR IMPLIED BY THESE DOCUMENTS, COMPLETE IN ALL RESPECTS, WITH ALL HOLES IN WALLS, PARTITIONS, AND FLOORS FIRE SEALED AND COVERED BY ESCUTCHEON PLATES. SUBMIT SHOP DRAWINGS FOR APPROVAL, BEFORE PURCHASING, IN ACCORDANCE WITH THE GENERAL CONDITIONS FOR ALL EQUIPMENT SPECIFIED AND /OR FURNISHED.
2. INSTALL PLUMBING PIPING PARALLEL WITH OR PERPENDICULAR TO WALLS AND PARTITIONS. PIPING SHALL BE COORDINATED WITH HVAC EQUIPMENT.
3. INSTALL ALL PLUMBING EQUIPMENT IN CONFORMANCE WITH THE MANUFACTURERS PUBLISHED INSTRUCTIONS AND THE MOST CURRENT I.B.C., M.B.C. AND LOCAL JURISDICTION PLUMBING CODES. PIPE AND FITTINGS.
4. UNDERGROUND SANITARY SEWER SHALL BE PVC WITH DWV FITTINGS AND JOINING SOLVENT PER ASTM D 2665PVC PIPE AND FITTING SOCKETS SHALL HAVE AN INTERFERENCE FIT TO 2/3 OF SOCKET DEPTH BEFORE APPLICATION OF SOLVENT CEMENT. PIPING SHALL BE INSTALLED PER MANUFACTURERS PUBLISHED INSTRUCTIONS. INSTRUCTIONS. PREPARATION OF FOUNDATION FOR BURIED PIPING:
5. GRADE TRENCH BOTTOM TO PROVIDE SMOOTH, FIRM, STABLE, AND ROCK-FREE FOUNDATION THROUGHOUT LENGTH OF PIPING. REMOVE UNSTABLE, SOFT, AND UNSUITABLE MATERIALS AT SURFACE ON WHICH PIPING IS TO BE LAID AND BACKFILL WITH CLEAN SAND OR PEA GRAVEL TO INDICATED LEVEL. SHAPE BOTTOM OF TRENCH TO FIT BOTTOM OF PIPING. FILL UNEVENNESS WITH TAMPED-SAND BACKFILL. DIG BELL HOLES AT EACH PIPE JOINT TO RELIEVE BELLS OF LOADS AND TO ENSURE BEARING OF PIPE BARREL ON FOUNDATION.
6. ABOVE GROUND SANITARY WASTE AND VENT PIPING SHALL BE SCH 40 PVC WITH DWV FITTINGS LABELED BY AN APPROVED AGENCY AS CONFORMING TO NSF-14 AND CONFORMING TO NSF-14 AND CONFORMING TO ASTM STD D-2665. PROVIDE CLEANOUT FITTINGS WHERE SHOWN OR REQUIRED BY CODE. EXTEND PLUMBING VENTS A MIN. OF TWO FEET ABOVE THE ROOF WATERPROOFING AND AT LEAST THREE INCH DIAMETER. SUPPORT PIPING AND SPACE HANGERS AS RECOMMENDED BY THE PIPE MANUFACTURER FOR THE SERVICE AND AS REQUIRED BY THE CODE, BUT IN NO CASE SPACE THE HANGERS FARTHER THAN AS FOLLOWS: 1 1/4" --5' ; 1 1/2"-- 5'-3" ; 2"--5'-6"; 2 1/2"--6'-3"; 3"--6'-9"; 4"--7'-6" ; 6"--8'-6" ; 8"--9'-3" . SUPPORT AT EACH CHANGE OF DIRECTION AND AT FLOOR PENETRATIONS ALLOWING OFFSETS FOR EXPANSION. HANDLING OF SOLVENT CEMENTS, PRIMERS, AND CLEANERS. COMPLY WITH PROCEDURES IN ASTM F 402 FOR SAFE HANDLING DURING JOINING OF PLASTIC PIPE AND FITTINGS WITH SOLVENT CEMENTS. GAS PIPE SHALL BE SCHEDULE 40 BLACK STEEL PIPE WITH MALLEABLE IRON THREADED FITTINGS INSTALLATION SHALL CONFORM WITH THE NATIONAL FUEL GAS CODE NFPA 54 DOMESTIC HOT WATER AND COLD WATER PIPING SHALL BE TYPE L COPPER TUBING CONFORMING TO ASTM STD B251 WITH SWEAT FITTINGS. BRAZING ALLOY CONFORMING TO ASTM STD B32 SHALL CONTAIN NO LEAD AND THE JOINTS SHALL BE STRONGER THAN THE METAL JOINED. SUPPORT PIPE ON MAXIMUM CENTERS AS FOLLOWS: TO 3/4"--5'; 1"--6'; 1 1/4"--7'; 1 1/2"--8'; 2"--8'. INDIRECT WASTE (IW) PIPING SMALLER THAN 1 1/4 INCH SHALL BE THE SAME AS DOMESTIC COLD WATER PIPING. PROVIDE DWV FITTINGS IN IW PIPING 1 1/4" AND LARGER PIPE. INSULATION(ABOVEGROUND ONLY) DOMESTIC HW, AND CW SHALL BE INSULATED WITH A MINIMUM OF ONE-HALF INCH THICK FIBERGLASS PIPE INSULATION MADE OF INORGANIC GLASS FIBERS, BONDED WITH A THERMOSETTING RESIN. WITH ALL PURPOSE VAPOR BARRIER JACKET. JACKETS SHALL BE FACTORY-APPLIED, LAMINATED GLASS-FIBER-REINFORCED, FLAME-RETARDANT KRAFT PAPER AND ALUMINUM FOIL HAVING SELF-SEALING LAP. INSULATION AT HANGERS SHALL RIGID CLOSED CELL INCLUDING FACINGS, CEMENTS, AND ADHESIVES, INSULATION WITH VAPOR BARRIER JACKETS. FIRE PERFORMANCE CHARACTERISTICS. CONFORM TO THE FOLLOWING CHARACTERISTICS FOR INSULATION WHEN TESTED ACCORDING TO ORGANIZATION ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION. LABEL ASTM E 84, BY UL OR OTHER TESTING OR INSPECTING INSULATION WITH APPROPRIATE MARKINGS OF TESTING LABORATORY. FLAME SPREAD RATING OF 75 OR LESS AND A SMOKE DEVELOPED RATING OF 150 OR LESS. THERMAL CONDUCTIVITY: 0.26 AVERAGE MAXIMUM AT 75 DEG F MEAN TEMPERATURE. DENSITY: 10 AVERAGE MAXIMUM. ADHESIVE: PRODUCED UNDER THE UL CLASSIFICATION SHALL BE. NON-FLAMMABLE TYPE, SOLVENT-BASED. ADHESIVES: SERVICE TEMPERATURE RANGE: MINUS 20 TO 180 Deg. PROVIDE ADHESIVE AS RECOMMENDED BY THE INSULATION MANUFACTURE. CLASS 2, GRADE A FOR BONDING GLASS FIBER INSULATION TO METAL SURFACES.

PLUMBING ABBREVIATIONS & SYMBOLS		
HW	●	HOT WATER
CW	●	COLD WATER
WT	○	WASTE – DIRECT CONNECTION
IW	○	INDIRECT WASTE DRAIN
I.P.W.	○	INDIRECT PRESSURE WASTE
HO	⊕	OPEN WASTE (HUB)
FD		FLOOR DRAIN
F.T.F.D.		FUNNEL TYPE FLOOR DRAIN
SWS		SAFE WASTE SINK 1" A.F.F.
F.S.		OPEN FLOOR SINK (SWS)
GT		GREASE TRAP (20 GPM. MIN.)
G.	◆	GAS
AFF		ABOVE FINISHED FLOOR
D.F.A.		DROP FROM ABOVE
BTU		BRITISH THERMAL UNIT
CFM		CUBIC FEET PER MIN.
BT		BRANCH & CONNECT TO
ISV		LOCAL ISOLATION VALVE
BFP		BACK FLOW PREVENTER
WCO	⊏	WALL CLEAN OUT
FCO	⊏	FLOOR CLEAN OUT

NOTE:
TRADES TO PROVIDE NECESSARY CONNECTIONS FOR EQUIPMENT SUPPLIED BY OTHERS OR OWNER -VERIFY EXACT LOCATION PLUMB. TRADES TO RUN ALL DRAIN/WASTE LINES FROM EQUIPMENT TO NEAREST FD./I.W/H.O ALL ADDITIONAL PIPING, DRAINS, F.D.'s, ETC. TO BE SHOWN BY MECH. ENGINEER

NO.	PARTIAL FOOD SERVICE BAR AREA PLUMBING ROUGH-IN
P1	(2) 1" IW, RUN TO SWS (AIR GAP), WORK BOARD DRAIN
P2	(2) SWS, 12" SAFE WASTE SINK, 1" AFF
P3	(3) 2" IW, RUN TO SWS (AIR GAP), 3-COMP. BAR SINK
P4	(2) 1/2" CW & HW, 16" AFF, BT SINK FAUCET
P5	HO, 4" INDIRECT WASTE HUB OUTLET, 1" AFF
P6	1/2" CW & HW, 1 1/2" WT, 16" AFF, BT HAND SINK
P7	1 1/2" IW, RUN TO SWS (AIR GAP), DUMP SINK DRAIN
P8	1" IW, RUN TO SWS (AIR GAP), BEV. GUN DISPENSER DRAIN
P9	1" IW, RUN TO SWS (AIR GAP), ICE BIN DRAIN



BAR PLUMBING PLAN
SCALE: 3/16" = 1'-0"

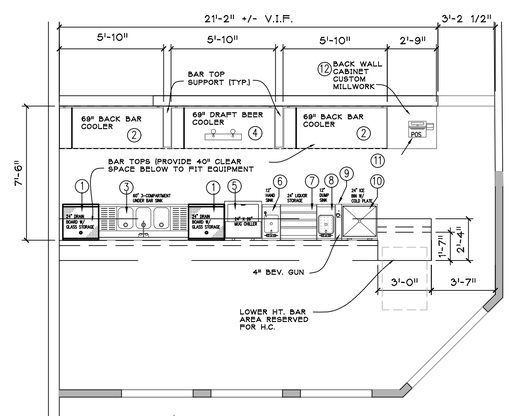
PLUMBING GENERAL NOTES

1. PROVIDE CLEANOUTS AT THE BASE OF ALL STACKS.
2. COORDINATE ALL UNDERGROUND PIPING WITH ARCHITECTURAL FOUNDATION PLAN.
3. ANY INTERFERENCES OR DISCREPANCY SHALL BE REPORTED TO THE ENGINEER OR ARCHITECT BEFORE WORK IS STARTED.
4. COORDINATE ALL PIPE RUNS AND LOCATION WITH MECHANICAL AND ELECTRICAL TRADES AND EXISTING FIELD CONDITIONS.
5. ALL PIPING SHOWN IS OVERHEAD UNLESS NOTED OTHERWISE, OR BEING DESIGNATED (U), AS BEING UNDERGROUND.
6. PROVIDE PATE PC-1A AT EACH PIPE PENETRATION OF ROOF.
7. ALL VENTS THROUGH THE ROOF MUST BE A MINIMUM OF 10'0" FROM O.A. INTAKES OR 2 FEET ABOVE THE SAME.
8. PROVIDE AT EACH INDIRECT WASTE SINK A 2" MINIMUM AIR GAP FROM THE DISCHARGE PIPE TO THE RIM OF THE DRAIN.
9. MAKE FINAL CONNECTIONS TO KITCHEN EQUIPMENT PER THE MOST STRINGENT OF KITCHEN EQUIPMENT SHOP DRAWINGS, MANUFACTURERS SHOP DRAWINGS, AND MUNICIPAL PLUMBING CODE. INCLUDING NFPA 96, NFPA 54, AND IPC 2000.
10. PITCH SANITARY PIPING @1/8" PER FOOT BEGINNING 18" DOWN AT MOST REMOTE TRAP TO EXIT AT 3'-0" DOWN AT THE BLDG FOUNDATION.
11. PROVIDE A STOP VALVE AT EACH WATER CONNECTION TO A FIXTURE
12. REFER TO KITCHEN EQUIPMENT PLANS FOR EQUIPMENT IDENTIFICATION (IF APPLICABLE).
13. HANDICAP ACCESSIBLE LAVATORIES SHALL HAVE A MAXIMUM DEPTH OF 6.5"
14. HANDICAP ACCESSIBLE LAVATORY, EXPOSED PIPING SHALL NOT HAVE SHARP EDGES AND SHALL BE PROTECTED FROM CONTACT.
15. HANDICAP ACCESSIBLE FAUCETS SHALL NOT REQUIRE TIGHT GRASPING OR TWISTING. AUTOMATIC SELF-CLOSING FAUCETS SHALL REMAIN ON FOR 10 SECONDS.
16. ALL REQUIRED VACUUM BREAKERS FOR ALL KITCHEN AND BAR EQUIPMENT SHALL BE PROVIDED BY PLUMBING CONTRACTOR. A CERTIFIED CROSS CONNECTION PLUMBING CONTRACTOR SHALL TEST ALL REQUIRED BFP AND PROVIDE THE OWNER AND INSPECTOR WITH A COPY OF THE REPORTS.

GENERAL NOTES

1. G.C. SHALL COORDINATE REQUIREMENTS OF MILLWORK, SPECIALTIES, EQUIPMENT, AND FURNISHINGS WITH OWNER PRIOR TO START OF WORK.
2. ELECTRICAL & PLUMBING REQUIREMENTS FOR THE INSTALLATION OF MILLWORK, SPECIALTIES, EQUIPMENT, AND FURNISHINGS IS THE RESPONSIBILITY OF THE G.C.
3. EQUIPMENT LISTED IS TO BE FURNISHED BY THE KITCHEN EQUIPMENT DISTRIBUTOR UNLESS NOTED OTHERWISE.
4. KITCHEN EQUIPMENT DISTRIBUTOR PROVIDES LABOR FOR UNCRATING, ASSEMBLY AND SETTING OF EQUIPMENT.
5. KITCHEN EQUIPMENT DISTRIBUTOR WILL SUPPLY CRITICAL DIMENSIONS, PLUMBING AND ELECTRICAL SPECIFICATIONS FOR EQUIPMENT SUPPLIED BY THE KITCHEN EQUIPMENT SUPPLIER.
6. ELECTRICAL AND PLUMBING CONTRACTOR TO MAKE FINAL CONNECTION TO EQUIPMENT
7. THE CONTRACTOR SHALL PROVIDE AND INSTALL SOLID WOOD BLOCKING FOR ALL WALL MOUNTED ITEMS, SIGNAGE, EQUIPMENT, MILLWORK, ETC. COORDINATE LOCATIONS WITH OWNER'S CONSTRUCTION REPRESENTATIVE AS NECESSARY.
8. EXISTING EQUIPMENT TO REMAIN UNLESS NOTED OTHERWISE.

FOODSERVICE EQUIPMENT SCHEDULE		
NO.	QTY.	DESCRIPTION
1	2	24" UNDERBAR TYPE S/S CABINET W/ DRAIN AND STORAGE SHELVES
2	2	69" BACK BAR COOLER, GLASS DOORS
3	1	60" UNDERBAR TYPE 3-COMPARTMENT SINK
4	1	69" BACK BAR DRAFT BEER COOLER, SOLID DOORS
5	1	24" UNDERBAR TYPE MUG CHILLER
6	1	12" UNDERBAR TYPE HAND SINK WITH SOAP AND PAPER DISPENSER
7	1	24" UNDERBAR TYPE LIQUOR STORAGE CABINET
8	1	12" UNDERBAR TYPE DUMP SINK WITH SCREEN
9	1	4" UNDERBAR TYPE BEVERAGE GUN DISPENSER WITH HOLDER
10	1	24" UNDERBAR TYPE INSULATED ICE BIN WITH COLD PLATE AND DRAIN
11	2	POS ORDER TERMINAL
12	1	BACK WALL CABINET W/ STORAGE SHELVES-CUSTOM MILLWORK



BAR EQUIPMENT PLAN
SCALE: 3/16" = 1'-0"

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PROJECT:

MESHICO RESTAURANT

2949 CROOKS RD.
ROCHESTER HILLS,
MICHIGAN

SHEET TITLE:

NEW BAR EQUIPMENT PLANS

ISSUED FOR:

BIDS & PRICING
10-6-2021
PERMIT
10-8-2021

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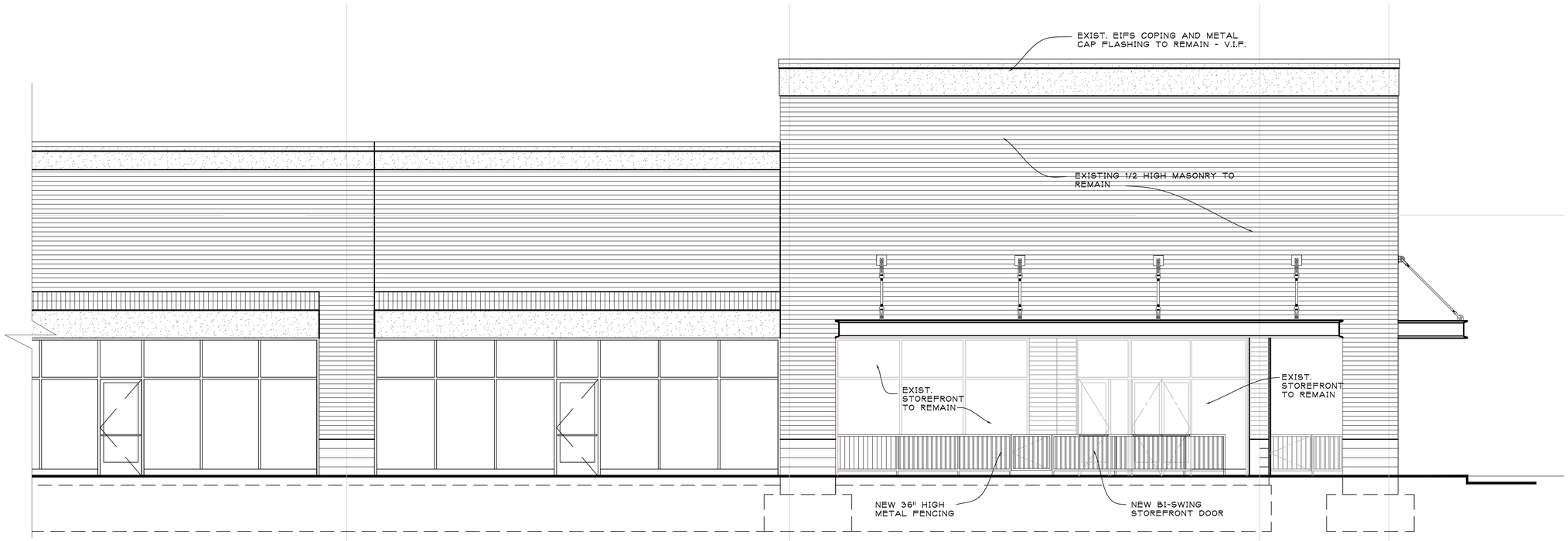
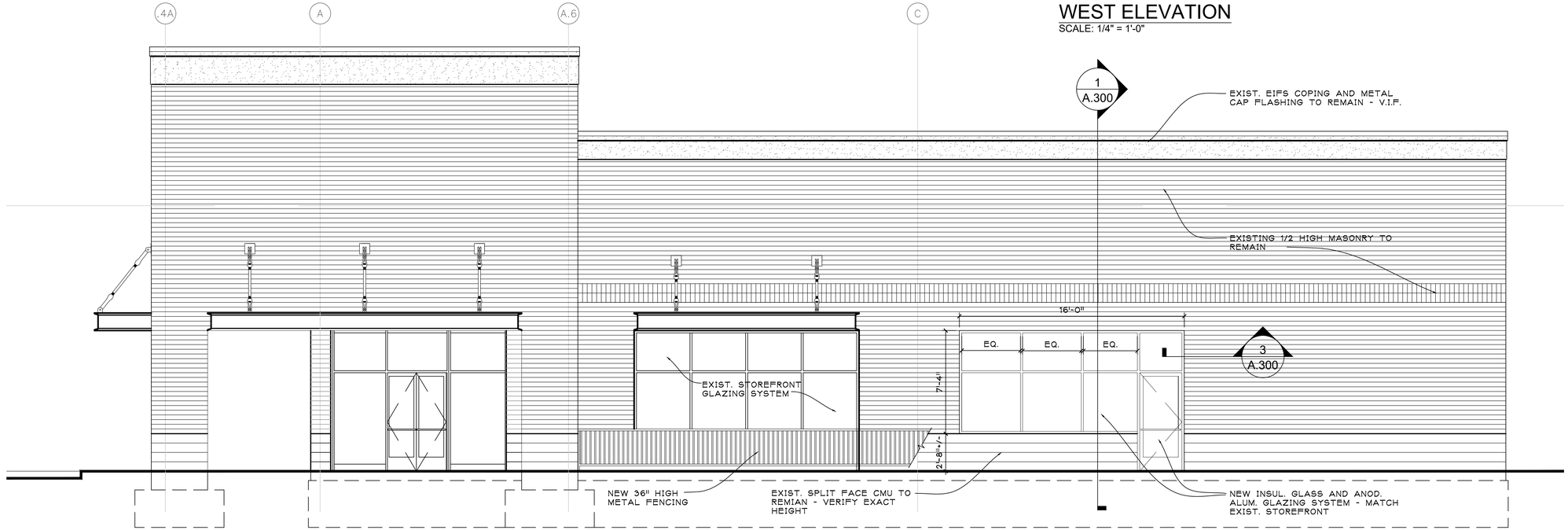


WEST ELEVATION

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



SOUTH ELEVATION

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

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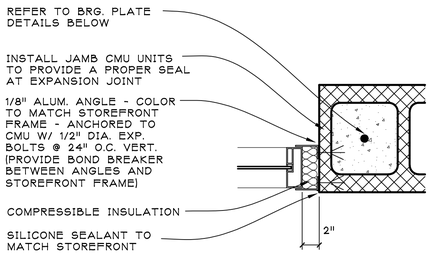
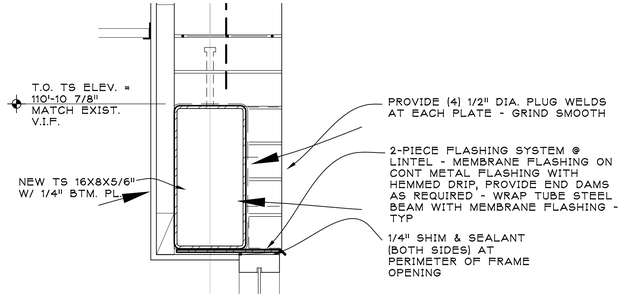


3 / A.300 EXPANSION JOINT @ GLAZING

SCALE: 1-1/2" = 1'-0"

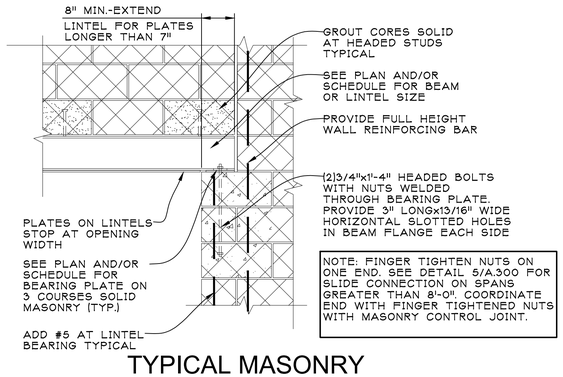


2 / A.300 WINDOW HEAD DETAIL

SCALE: 1-1/2" = 1'-0"

GENERAL NOTES

1. SEAL EXTERIOR WALL AND ROOF PENETRATIONS AND JOINTS BETWEEN DISSIMILAR MATERIALS TO ENSURE A COMPLETELY WEATHER-TIGHT SEAL. SEALANT LOCATIONS INCLUDE BUT ARE NOT LIMITED TO : LIGHT FIXTURE MOUNTS, DOOR AND WINDOW FRAMES, FASCIA EDGES, SIGNAGE MOUNTS, CONDUIT PENETRATIONS, SCUPPERS, ELECTRICAL OUTLETS, HOSE BIBS, AND UTILITY SERVICE ENTRANCES.
2. EXISTING ROOF TRUSSES/JOISTS TO REMAIN U.N.O. CONTRACTOR TO PROVIDE AND INSTALL REQUIRED BRACING AND SHORING AS NEEDED.
3. WOOD USED IN EXTERIOR WALLS AND OTHER EXTERIOR ELEMENTS TO BE PRESERVATIVE TREATED.
4. EXTERIOR SIDEWALKS AND PAVING ARE SHOWN FOR DESIGN INTENT ONLY. G.C. SHALL BE RESPONSIBLE FOR COORDINATING SCOPE OF WORK WITH OWNER'S REPRESENTATIVE AND OR CIVIL DRAWINGS
5. EXISTING GRADES SHALL BE 2" MIN. BELOW EXISTING FLOOR SLAB AND SHALL SLOPE AWAY FROM BUILDING
6. INFILL NEW STUD SPACES AND VOIDS WITH BATT INSULATION.
7. SEE STRUCTURAL PLAN AND DETAILS FOR ADDITIONAL FRAMING REQUIREMENTS.

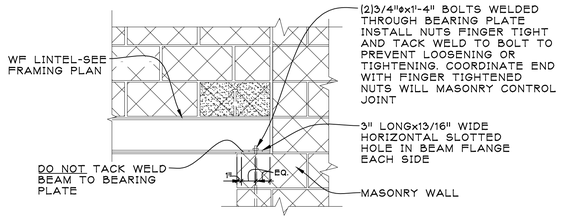


NOTE: FINGER TIGHTEN NUTS ON ONE END. SEE DETAIL 5/A.300 FOR SLIDE CONNECTION ON SPANS GREATER THAN 8'-0". COORDINATE END WITH FINGER TIGHTENED NUTS WITH MASONRY CONTROL JOINT.

TYPICAL MASONRY BEARING LINTEL DETAIL

4 / A.300 SCALE: 3/4" = 1'-0" (LINTEL PARALLEL TO WALL)

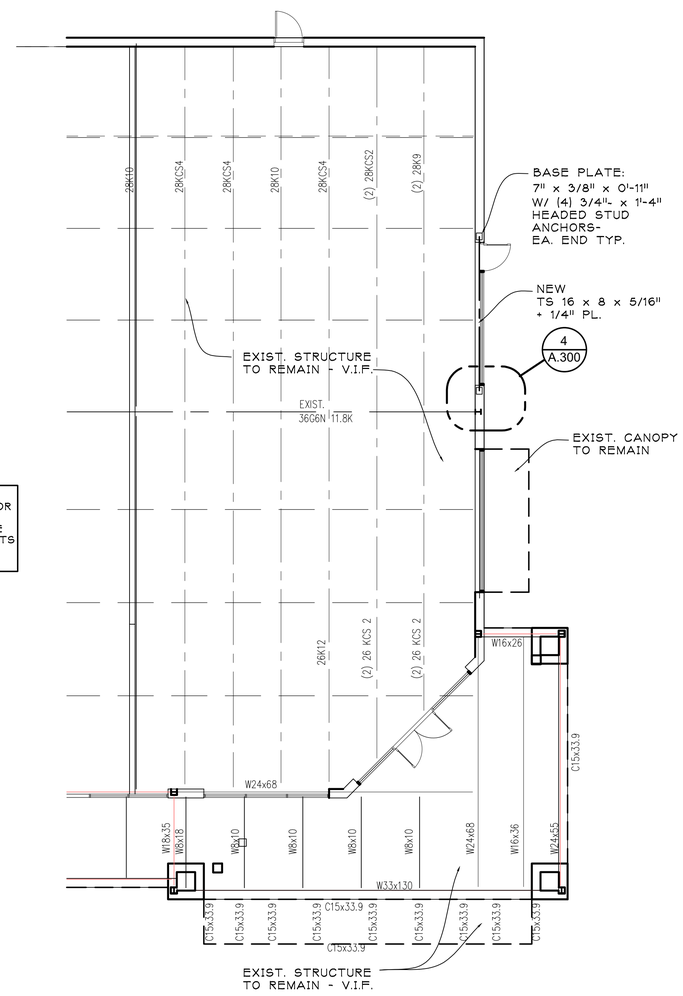
NOTE: PLACE LINTEL BEAMS CENTERED IN CMU WALLS UNLESS NOTED OTHERWISE



TYPICAL SLIDE CONN. LINTEL DETAIL

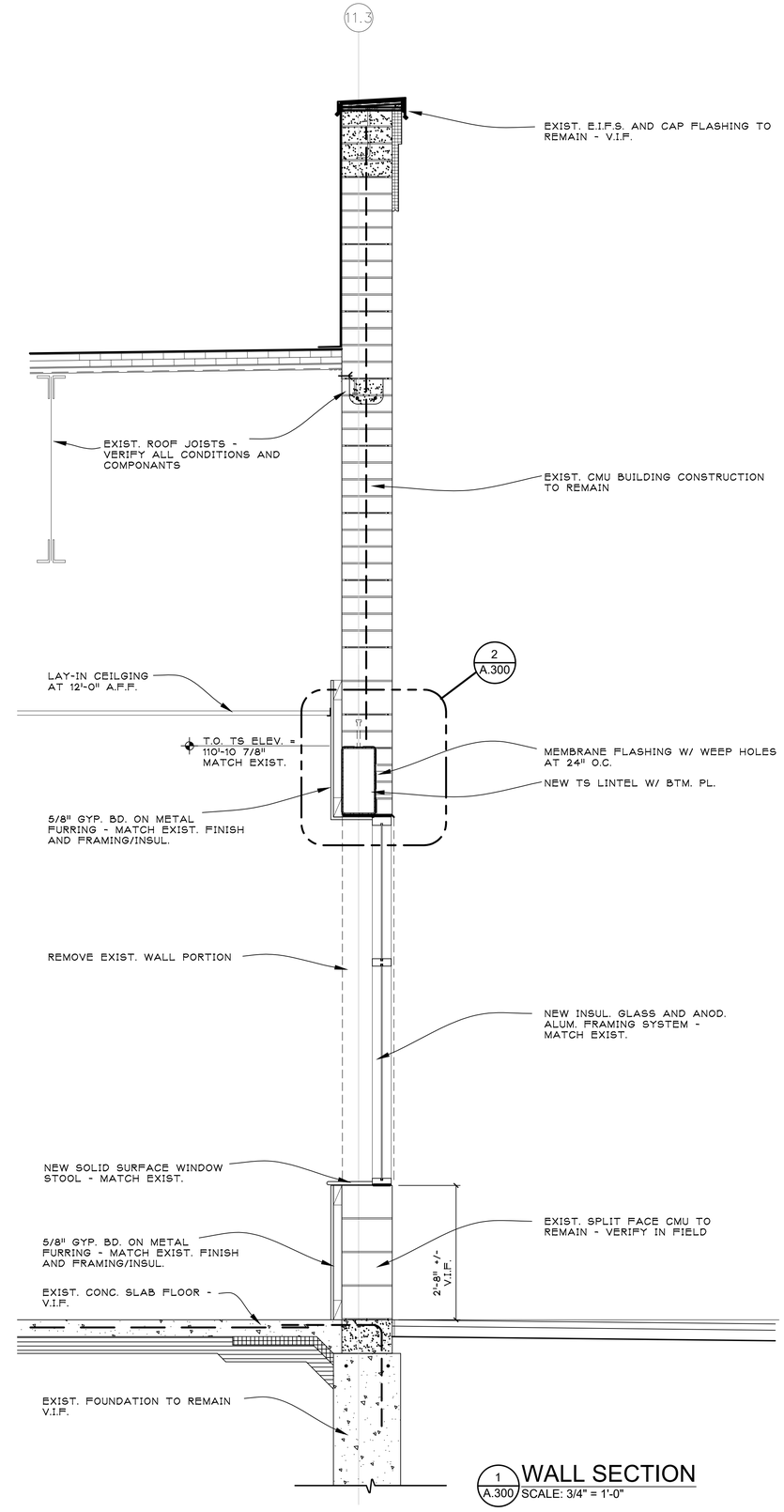
5 / A.300 SCALE: 3/4" = 1'-0"

PROVIDE ON ONE END OF LINTEL FOR LINTEL SPANS GREATER THAN 8'-0"



STRUCTURAL PLAN

SCALE: 1/8" = 1'-0"



1 / A.300 WALL SECTION

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

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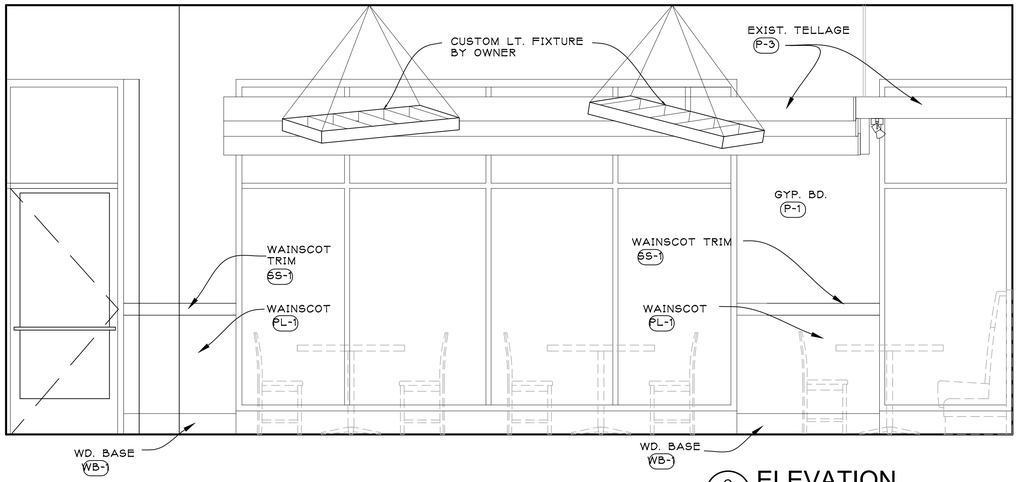
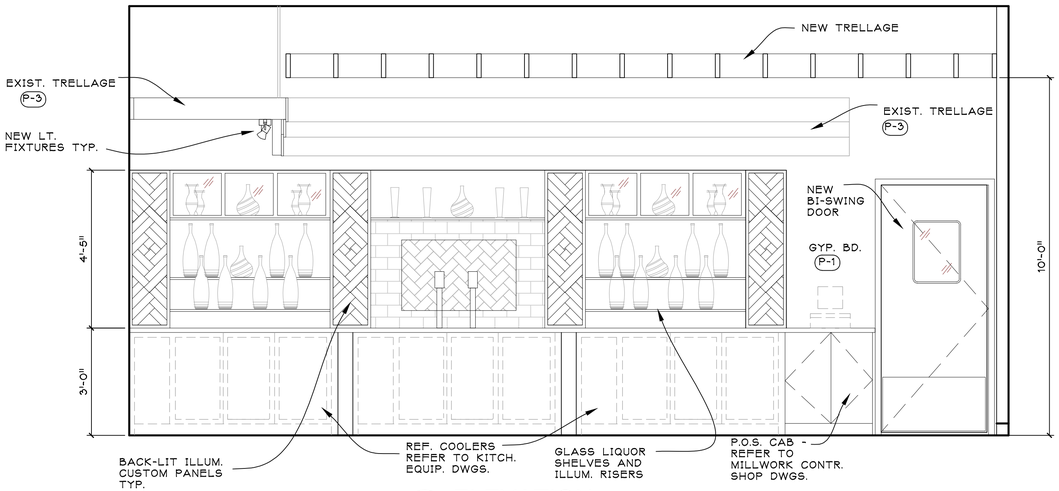
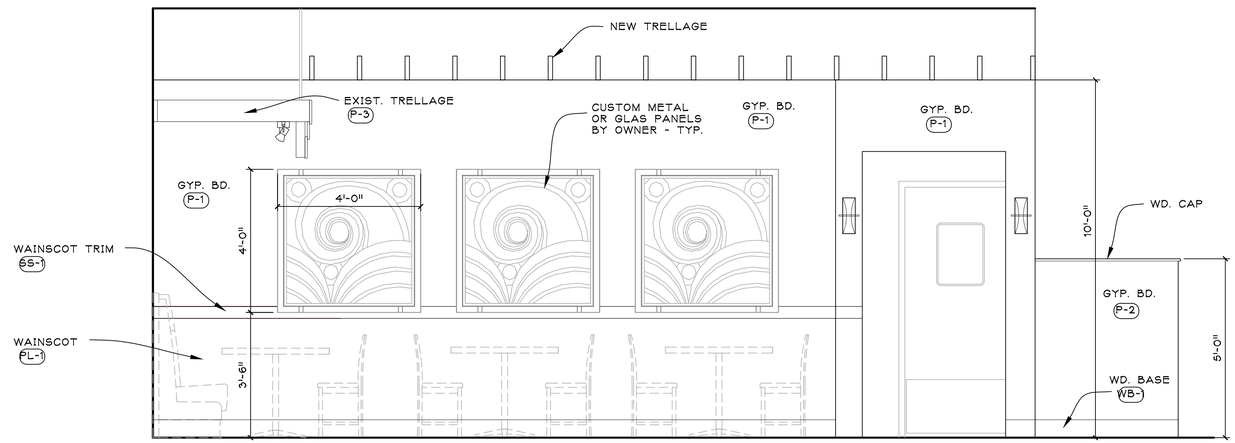


C A.300 ELEVATION
SCALE: 1/2" = 1'-0"



D A.300 ELEVATION
SCALE: 1/2" = 1'-0"



B A.300 ELEVATION
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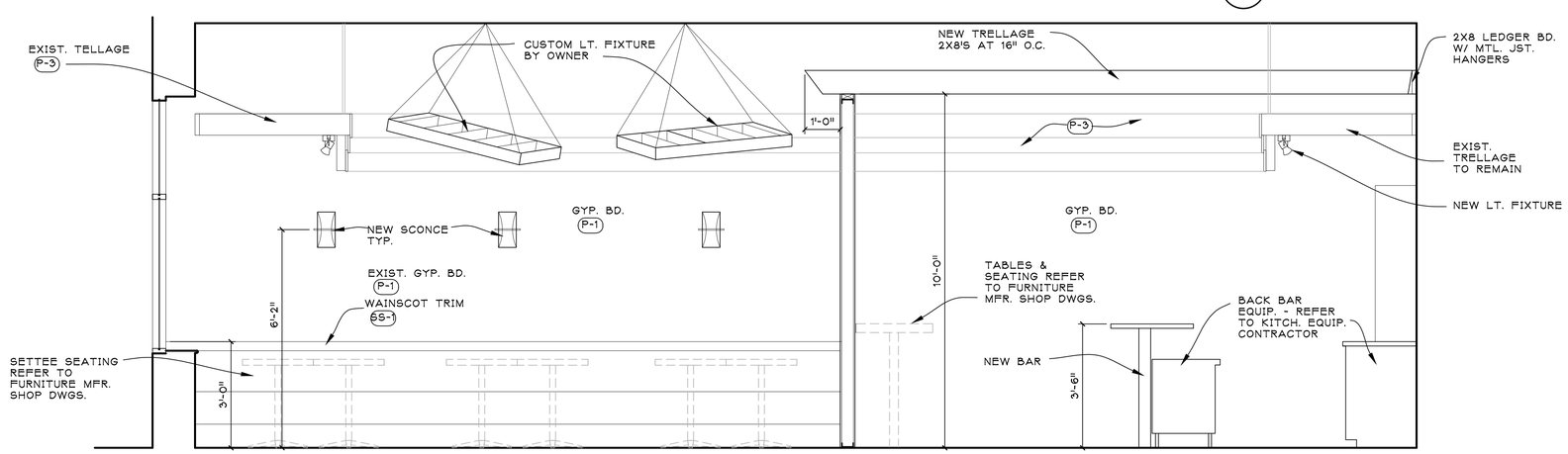

A A.300 ELEVATION
SCALE: 1/2" = 1'-0"

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PROJECT:

MESHICO RESTAURANT

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SHEET TITLE:

INTERIOR ELEVATIONS

ISSUED FOR:

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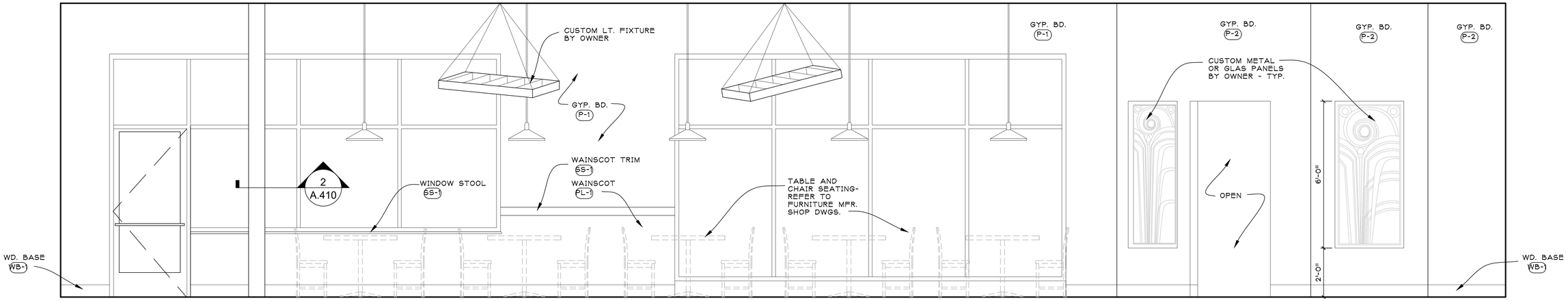
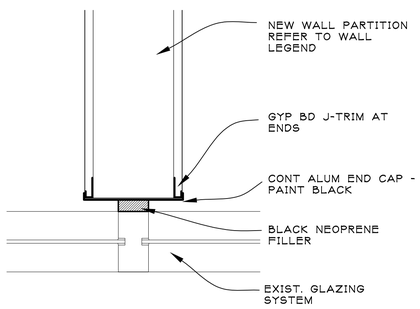
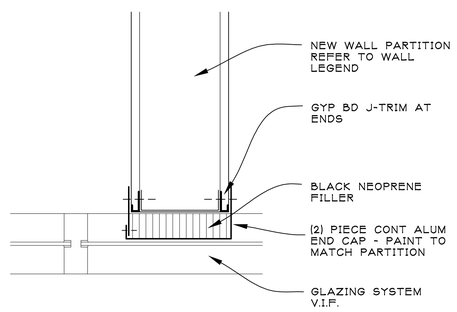


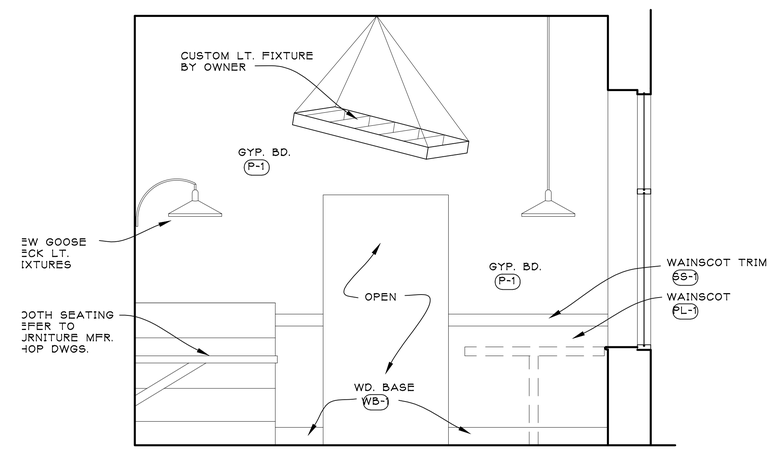
G A.410 ELEVATION
SCALE: 1/2" = 1'-0"



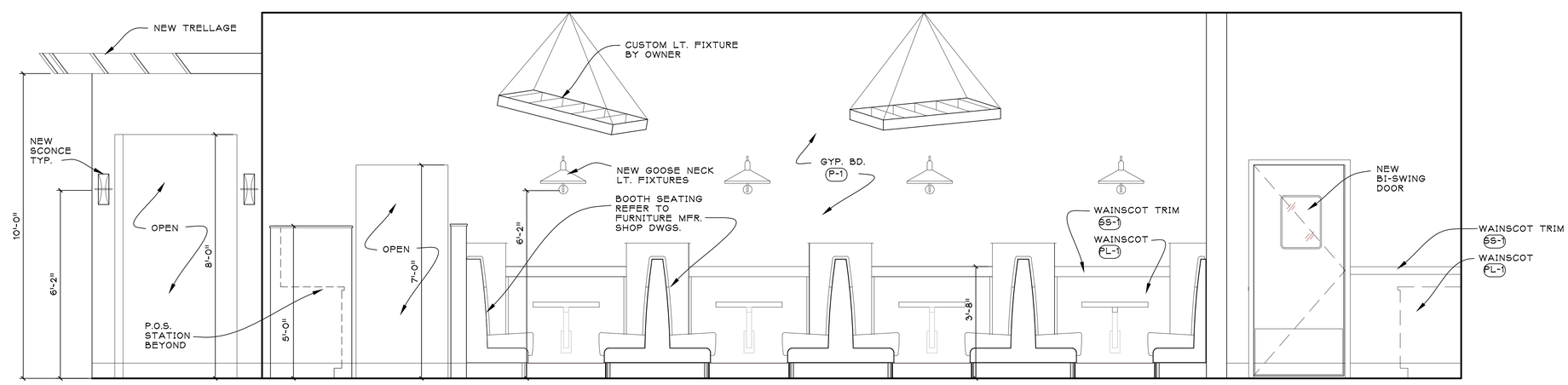
1 A.410 WALL CAP PLAN DETAIL
SCALE: 1-1/2" = 1'-0"



2 A.410 WALL CAP PLAN DETAIL
SCALE: 1-1/2" = 1'-0"



F A.410 ELEVATION
SCALE: 1/2" = 1'-0"



E A.410 ELEVATION
SCALE: 1/2" = 1'-0"

SH ARCHITECT LLC
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248.464.5005

PROJECT:

MESHICO RESTAURANT

2949 CROOKS RD.
ROCHESTER HILLS,
MICHIGAN

SHEET TITLE:

INTERIOR ELEVATIONS

ISSUED FOR:

BIDS & PRICING
10-6-2021
PERMIT
10-8-2021

DO NOT SCALE PRINTS
USE FIGURED DIMENSIONS ONLY

JOB NO.

21025

SHEET NO.

A.410

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GENERAL CONDITIONS:

SCOPE OF WORK

GENERAL CONTRACTOR TO PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, AND SERVICES NECESSARY AS REQUIRED BY DRAWINGS AND SPECIFICATIONS TO PROVIDE A COMPLETE AND FINISHED SPACE. THIS INCLUDES ALL ARCHITECTURAL, ELECTRICAL, PLUMBING, HEATING AND VENTILATING TRADES.

APPLICABLE CODES

SEE SHEET TITLE SHEET

CERTIFICATE OF OCCUPANCY

THE CONTRACTOR MUST SECURE A CERTIFICATE OF OCCUPANCY FROM THE JURISDICTIONAL AUTHORITIES BY THE DATE OF COMPLETION AS SPECIFIED IN THE CONTRACT AND WILL DELIVER A COPY OF THE CERTIFICATE TO THE OWNER.

PERMITS

THE GENERAL CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS REQUIRED.

Section 007300 Supplementary General Conditions

Intent of contract documents:

1. The contract documents do not record all existing conditions and do not attempt to show every item required to complete the work. It is the contractor's responsibility to visit the site prior to submission of bid in order that the bid may reflect those conditions which might affect the work and which can be expected to be determined from a thorough visual inspection of the site and existing buildings. Contractor shall carefully study and compare the contract documents with one another through the lens of design-build parameters.

2. The construction manager shall notify the architect in event of discrepancies, omissions, and/or conflicts among the drawings and specifications (contract documents) or between the contract documents and existing conditions.

3. All questions in reference to the contract documents shall be immediately directed to the architect and/or construction manager on behalf of the owner. Sub-contractors shall not be authorized to interpret the drawings and shall not be eligible for extra payments as a result of interpreting the intent of the drawings improperly.

4. Contractors and subcontractors shall not be given extra payment for conditions which can be determined or inferred by examining the site and existing conditions.

5. Owner shall order and pay for all "surveys: required by title company, lender, or governmental agencies. Contractor shall coordinate scheduling of such surveys with owner.

Section 014000 Quality Requirements

1. All work shall be done according to applicable building codes and ordinances as well as the best practice and standards of the appropriate trade association. Subcontractors shall be responsible for obtaining proper permits and paying all applicable fees.Start of work by any trade indicates that trades acceptance of the previous trade's work.

2. No materials may be substituted without written approval by the owner.

3. Verify with the construction manager all assignments of work; especially those items which could be assigned to various subcontractors within the same trade.

4. Each subcontractor is solely responsible to be informed, to provide for and to maintain safety of operating equipment and handling of materials. The contractor shall comply with safety standards of osha, miosha and any other standard enforceable by law.

Section 015000 Temporary Facilities

1. Provide all required temporary facilities and construction for proper performance for the work. All charges from utility companies shall be included in contractor's bid unless utility connection is provided by owner through the existing building systems.

2. Provide and maintain enclosures for any temporary openings in order to keep building watertight, insulated and reasonably secure.

3. Provide temporary roof, insulated closures, gutters, and down spouts on existing building as required during construction.

4. Provide and install bracing to work during construction to prevent damage from earth, wind, water, or gravity loads until such time the work is secure and ready to resist loads.

5. Contractor shall restore all existing items damaged by the construction to original conditions including those items outside of the work that are adversely effected by the construction or weather allowed into the work by construction.

Section 017000 Execution & Close Out Requirements

1. Contractor shall check and field verify all dimensions in the field. Contractor shall check and field verify, in particular, all dimension strings shown on drawings specifically using the following procedure: check dimension strings from both ends of the string. Report any discrepancies to architect for interpretation or clarification.

2. The contractor shall not scale the drawings except for general bidding purposes. Follow written dimensions only.

3. The word "align" or "equal" as used in the contract documents shall supersede any information.

4. Dimensions noted "+/-" or "existing" may vary and shall be field verified by the contractor. Contractor shall notify architect of significant discrepancies prior to proceeding with the work.

5. Vertical dimensions of "match existing", where so indicated, are intended to align with:
   existing window/ door heads, siding, and/ or brick coursing,
   existing finished floor heights,
   existing lines of fascias, soffits, and gutters,
   existing heights of soffits or finish ceiling materials.

6. Contractor shall maintain a set of record drawings to record changes in the work and record actual locations of piping, ductwork, underground and under slab utilities.

Section 020000 Existing Conditions

1. Contractor shall identify planned site access, equipment access, temporary parking areas, material storage areas, and demolition for approval by owner.

2. Locate all utilities by hand excavation or in an approved manner and provide proper protection from damage.

3. Notify owner and contact all appropriate utility companies prior to work or disruption of service.

4. Unless approved by owner, contractor shall maintain uninterrupted utility services to existing buildings at all times.

Section 0241000 Building Demolition

1. Shore and/or brace all existing structure during demolition and construction to maintain structural integrity and to prevent failure.

2. Contractor shall erect temporary barriers as required to maintain site safety and to comply with all applicable codes and requirements.

3. See demolition sheets for additional requirements..

Section 033000 Concrete

1. Interior concrete (foundations, slabs, etc.) - per astm c-94, 3500 psi @ 28 days, 5.5 sacks, 7.5 max.
   W/c ratio, 4" max. Slump

2. Exterior concrete (walks, paving, curbs, etc.) - per astm c-94, 4000 psi @ 28 days, 5% air entertainment, 6.0 sacks, 6.0 max. W/c ratio, 4" max. Slump.

3. All pertinent sections of aci 318 shall apply.

4. Reinforcing steel shall be fabricated and placed in accordance with the aci 315.

5. All reinforcing steel shall be astm a615 grade 60, deformed in accordance with astm 305, unless otherwise noted.

6. Use air entrained concrete for all sidewalks, paving, platforms, curbs and other exterior work exposed to the weather.

7. All footings to rest on undisturbed soil.

8. Interior floor slabs shall have a "steel trowel" finish. Exterior concrete to have broomed finish.

9. Protect all concrete from moisture loss and premature drying for a minimum of 7 days.

10. Measuring, mixing and placing of concrete shall be in accordance with aci 304.

11. Protection and curing of concrete shall be in accordance with aci 305, 306, and 308.

Section 054000 Light Gauge Metal Framing

1. Framing members, general: comply with astm c 754 for conditions indicated.

2. Steel sheet components: comply with astm c 645 requirements for metal, unless otherwise indicated.

3. Protective coating: manufacturer's standard corrosion-resistant zinc coating, unless otherwise indicated.

4. Lt. Gage metal studs - as manufactured by dale, bostwick, or equal, conforming to astm a 500, grade a. Welds per aws-d1.3 touch up w/ zinc paint, fs tt-p-641, fasteners to be cadmium plated of size and design and installed per aisi "specification for design of cold-formed steel structural members". All members to be identified as to manufacturer name, and part number. Provide bracing of load bearing stud walls per manufacturers standard specifications. Minimum gauge - 22 ga. Unless noted otherwise. Submit design shop drawings to architect for approval.

5. Where U.L. Fire rated assemblies are referenced the contractor shall be responsible for obtaining a copy of the detailed U.L. Specification, and following same for all assemblies so referenced.

Section 061000 Rough Carpentry

1. Most of the rough carpentry is mtl studs.

2. Provide all wood blocking and furring required for support of work by other trades. Blocking to consist of 2 x wd. Screwed to metal studs, flush with face of stud. @ following:
   Closet rods & shelving Built - in cabinets
   Wall mounted door stops Window sills

3. Preservative treated lumber shall be wolmanized - 40% retention, or equal.

4. The design of the wood structural members and connections is in accordance with the AFPA national design specification (NDS).

5. Structural members are to be grade-stamped by an approved inspection agency.

6. The quantity and size of fasteners connecting wood members together shall be in accordance with table 2305.2.

7. Identify the type stan rating or species group of the proposed wood structural panels. All structural panels, including plywood, shall comply with the requirements of referenced standard doc ps 2-1995 or one of the other referenced material standards.

Section 06200 Finish Carpentry

1. Install all work straight, plumb/level, and true. Fit all joints tightly, scarf joint all running trim.

2. Provide running and standing trim as indicated on drawings.

3. Interior finish materials shall not have a flame spread exceeding code limits - see sheet A1.

4. Provide 1-1/4" stools and apron @ windows (where applicable)

Section 072000 Insulation

1. Ceiling acoustical insulation shall be unfaced fiber glass batts, 3" in thickness, as manufactured by owens corning, or equal. (R=13 minimum)

2. Furred wall insulation shall be expanded polystyrene of thickness shown or match furring.

3. Max. Flame spread rating 25, maximum smoke development rating 450.

Section 077000 Metal Flashing, Copings and Trim

1. Copings and misc. mtl. trim shall be kynar 500 finished, color selected by owner, galvanized steel, 22 ga. Minimum.

2. Sheet metal work shall conform to SMACNA standards, latest edition.

3. Contractor shall prudently install flashing, counter flashing, and step flashing to prevent water penetration at roofs and walls as required.

Section 081000 Doors, Frames and Hardware

1. Hollow metal frames (H.M.) - ceco model sf, 16 ga w/ welded, round & polished corners. Hollow metal doors - CECO 1-3/4" regent full flush, 16 ga. For exterior, 18 ga. For interior.

2. Solid core wood doors - interior doors - premium grade rift sawn red oak veneer, or equal.

3. Hinges - Hager, 4 1/2" x 4 1/2", finish to be selected by owner.

4. Lock sets - Schlage series "A" cylinder type. Levon trim, color by owner

5. Closers - LCN 4000 series. Closers not to be seen by the general public.

6. Dead bolts - Schlage series "B", or equal. - color by owner

7. push & pulls - Hager 1J - H pull, Hager 30s push, or equal. - color by owner

8. Metal kick plates - 6" x 34", with matching fasteners, finish to match lever selection.

9. Panic devices - crl satin stainless steel touch bar rim panic exit device - DL950ss

Section 084000 Exterior Doors and Windows

1. Provide shop drawings with dimensions, type and quantity for review by architect.

2. Areas that req. Tempered glass:
   a) fixed and sliding panels of sliding type doors
   b) panels with a glazed area in excess of 9 sq. Ft.
   C) all glazing in guards and railings.
   E) glazing adjacent to a door where the nearest exposed edge of the glazing is within a 24" arc of either vertical edge of a door in the closed position.
   F) all other areas as code requires

3. Alum. Entrance shall be as manufactured by kawneer - 451T framing system, w/ wind load design 20 p.S.F. Installation per manufacture specs. Size and configuration as shown on the drawings., or equal.

4. Windows - fixed units to be supplied by manufacture, color, type, and style by owner.

091000 PLASTIC LAMINATE

1. Plastic laminate shall be manufactured by nevamar, wilsonart, formica.

2. Plastic laminate substrate shall be 3/4" plywood.

3. All exposed edges shall receive plastic laminate. Edge banding not acceptable.

4. Provide 4" plastic laminate backsplash on all sides where countertop abuts walls.

Section 092000 Gypsum Board

1. Gypsum board systems / non-load bearing metal framing

2. Remove all existing finishes as required and properly prepare all existing and new surfaces to receive proposed finishes.

3. Install and finish gypsum board systems (drywall) in accordance with gypsum association's recommendations and tolerances.

4. Install control joints as required by gypsum association recommendations. Verify layout with architect prior to beginning installation

5. All drywall shall be 5/8" thick on 16" o.C. Stud spacing unless otherwise indicated on drawings.

6. Install moisture resistant drywall in all interior damp locations.

7. Install fiberglass reinforced cement board behind all tiled areas in wet areas in toilet rooms and showers.

8. All drywalled areas shall receive three coat work, smooth finish.

9. Where U.L. Fire rated assemblies are referenced the contractor shall be responsible for obtaining a copy of the detailed U.L. Specification, and following same for all assemblies so referenced.

10. All unexposed edges to be laminated or treated with marine grade coping.

11. Provide all required accessories for proper installation.

Suspension system components

1. Tie wire: astm a 641/a 641m, class 1 zinc coating, soft temper, 0.0625-inch- (1.59-mm-) diameter wire, or double strand of 0.0475-inch- (1.21-mm-) diameter wire.
2. Wire hangers: astm a 641/a 641m, class 1 zinc coating, soft temper, 0.162-inch (4.12-mm) diameter.

Furring channels (furring members):

1. Steel studs: astm c 645, Minimum base-metal thickness: 0.0179 inch (0.45 mm) Depth: 3-5/8 inches (92.1 mm).
2. Hat-shaped, rigid furring channels: astm c 645, 7/8 inch (22.2 mm) deep.
   A. Minimum base metal thickness: 0.0179 inch (0.45 mm).
   B. Grid suspension system for ceilings: astm c 645, direct-hung system composed of main beams and cross-furring members that interlock.
1. Products: subject to compliance with requirements, provide one of the following:
   A. Armstrong world industries, inc.; drywall grid systems.
   B. USG corporation; drywall suspension system.

Installing suspension systems

A. Isolate suspension systems from building structure where they abut or are penetrated by building structure to prevent transfer of loading imposed by structural movement.
B. Suspend hangers from building structure as follows:
1. Install hangers plumb and free from contact with insulation or other objects within ceiling plenum that are not part of supporting structural or suspension system.
   A. Splay hangers only where required to miss obstructions and offset resulting horizontal forces by bracing, countersplaying, or other equally effective means.
2. Where width of ducts and other construction within ceiling plenum produces hanger spacings that interfere with locations of hangers required to support standard suspension system members, install supplemental suspension members and hangers in the form of trapezes or equivalent devices.
3. Size supplemental suspension members and hangers to support ceiling loads within performance limits established by referenced installation standards.

Do not connect or suspend steel framing from ducts, pipes, or conduit.
Seismic bracing: sway-brace suspension systems with hangers used for support.

Grid suspension systems: attach perimeter wall track or angle where grid suspension systems meet vertical surfaces. Mechanically join main beam and cross-furring members to each other and butt-cut to fit into wall track.

Installation tolerances: install suspension systems that are level to within 1/8 inch in 12 feet measured lengthwise on each member that will receive finishes and transversely between parallel members that will receive finishes.

Steel framing for framed assemblies
steel studs and runners: astm c 645.
Minimum base-metal thickness: 0.0312 inch (0.79 mm).
Installation per astm c 754.

Installing framed assemblies
a. Where studs are installed directly against exterior masonry walls or dissimilar metals at exterior walls, install isolation strip between studs and exterior wall.
   A. Install tracks (runners) at floors and overhead supports. Extend framing full height to structural supports or substrates above suspended ceilings, except where partitions are indicated to terminate at suspended ceilings. Continue framing around ducts penetrating partitions above ceiling.

At all doors, extend jamb studs through suspended ceilings and attach to underside of overhead structure.

Other framed openings: frame openings other than door openings the same as required for door openings, unless otherwise indicated. Install framing below sills of openings to match framing required above door heads.

Direct furring:
1. Screw to wood framing.
2. Attach to concrete or masonry with stub nails, screws designed for masonry attachment, or powder-driven fasteners spaced 24 inches (610 mm) o.C.

Section 093000 Tiling

1. Submit samples for review by architect / owner.

2. Installation materials shall be in accordance with the tile Council of America Standards.

3. Provide marble threshold at all door openings in bathrooms and where tile abuts carpet.

4. Grout for floors to be sanded type. Grout for walls to be non - sanded.

5. Wall installations shall be thinset mastic method.

6. Provide all special shapes required.

7. Provide latex hardeners / bonding agent to all grout mixtures.

8. Layout all tile work so as to minimize cuts of less than one half tile.

9. Protect all tile surfaces with heavy-duty, non-staining construction paper, taped in place.

10. Provide floor leveling as required.

Section 095000 Ceilings

1. Provide samples for review by architect.

2. Ceiling panels shall be per plan- see the reflected ceiling plan for information, as manufactured by Armstrong or equivalent.

3. Suspension grid shall be sized to match tile, intermediate duty, single-web tee, white. Provide seismic bracing as required by building code.

4. Install ceiling system in accordance with manufacturer's instructions.

5. Install ceiling system level and in configurations indicated on drawings.

6. Provide all required accessories for proper installation.

Section 096500 Resilient Flooring

1. Submit samples for review by architect.

2. Vinyl composition tile shall be 12" x 12", 1/8" thick, colors as selected from manufacturer's standard colors. VCT - Armstrong: Standard Excelon.

3. Flooring installer shall provide and install 1/4" min. Luan plywood underlayment @ all wood subfloor applications. Cost of underlayment and its installation shall not be included in any allowance amounts.

4. Vinyl or rubber base shall be 4", 1/8" thick, cove profile, colors as selected from manufacturer's standard colors by Burke.

5. Provide all accessories for proper finished installation.

6. Install in accordance with manufacturer's instructions.

7. Plan proper layout of work, minimize joints, butt all joints tightly.

8. Leave work clean, remove all adhesives.

9. Polish all VCT flooring at completion of installation.

Section 099000 Painting and Caulking

1. Interior gypsum board walls - one (1) coat latex primer, two (2) eggshell latex.

2. Interior gypsum board ceilings (where exposed to view) - one (1) coat latex primer, two (2) flat latex (color white).

3. Hollow metal doors, rolling slat doors, exposed structural steel, all exposed to view metal - One coat enamel primer, two (2) coats semi gloss enamel.

4. For caulking of interior, painted, non movement joints only - paintable silicone latex caulk.

5. Sealant- 100% pure silicone as manufactured by DOW Corning 795 (color to match adjacent material).

6. Provide backer rods to achieve thickness at center of joint equal to 1/4 to 1/2 joint width.

7. All colors to be selected by owner.

8. All exteriors metals requiring paint that are not cladded shall be painted with like materials in the surrounding area.

Section 123000 Casework

1. Scribe tops and end panels as required to provide tight, neat joint. Joint shall not exceed 1/4" width.

2. Submit product samples and shop drawings for review by owner and architect.

3. Cabinets shall comply with ANSI a 161.1., section 1600b of architectural woodwork quality standards of architectural woodwork institute.

4. Provide all accessories and fillers required for proper installation and clearances.

5. Anchor all cabinets directly to structural members or blocking. Please see enlarged plans for ADA requirements for break away cabinetry and future prep for accessibility issues.

6. Install all work level and plumb, adjust all doors and drawers for proper alignment and operation.

Section 104400 Fire Extinguishers

1. Submit product data for review by architect, verify quantity with architect.

2. Fire extinguishers shall be UL rated, 10 lb. Nominal capacity, dry chemical type.

3. Contractor shall verify capacity and placement of extinguishers with fire marshal prior to ordering units.

4. All extinguishers shall be cabinet mounted. Cabinet shall be semi-recessed, white finish, clear acrylic bubble cover, sized to match extinguisher.

5. Install in accordance with manufacturer's instructions.

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