# MATTEO'S RESTAURANT

138 S. Main St. Suite Las Cruces, New Mexico

CONSTRUCTION DOCUMENTS 8.27.19

### PROJECT DATA

<u>ITEM</u>	CODE REQUIREMENT	PROVIDED
BUILDING OCCUPANCY	A-2	A-2
CONSTRUCTION TYPE	TYPE V - B	TYPE V - B
ALLOWABLE AREA	6,000 S.F.	2,176 S.F.
MAX. HEIGHT / STORIES	40 FT. / 1 STORY	15 FT. / 1 STORY
PUBLIC OCCUPANT LOAD	56	56
NO. OF EXITS	2	2
EXIT WIDTH	11.2"	72"
EXTERIOR WALL FIRE RESISTANCE	1 HOUR	1 HOUR
SEPARATION WALL FIRE RESISTANCE	2 HOUR	2 HOUR

ZONING	DDC- MS MAIN STREET		
FRONT SETBACK	0 FT.	ACTUAL SETBACK	0'-0"
SIDE SETBACK	6 FT.	ACTUAL SETBACK	0'-0" WEST 0'-0" EAST
REAR SETBACK	0 FT.	ACTUAL SETBACK	0'-0"
MAX. HEIGHT	70 FT.	ACTUAL HEIGHT	15'-0" PARAPET

SITE REQUIREMENTS

### OCCUPANCY LOAD

USE	AREA S.F.	LOAD FACTOR	# OCCUPANTS
DINING	718	1/15	48
SERVICE/KITCHEN	711	1/200	4
OFFICE	72	1/100	1
BREAK ROOM	105	1/100	2
STORAGE	202	1/300	1
TOTAL OCCUPANTS			56

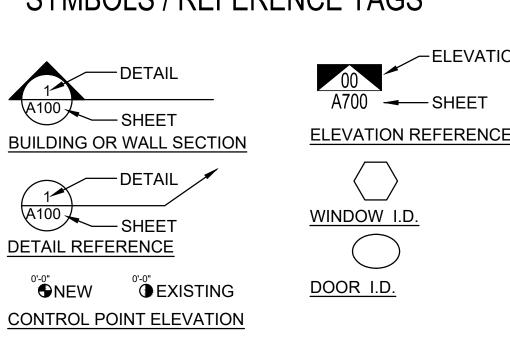
### PLUMBING FIXTURE REQUIREMENTS

56/2 = 28	28 MEN & 28 WOMEN										
	WATER	CLOSETS	URINALS	LAVA1	LAVATORIES						
	REQUIRED	PROVIDED	PROVIDED	REQUIRED	PROVIDED						
MALE	1	1	0	1	1						
FEMALE	1	1		1	1						
DRINKING FOUNTAINS	0	0									
SERVICE SINK	1	2									

## REGULATING CODES

INTERNATIONAL BUILDING CODE	2015
UNIFORM MECHANICAL CODE	2012
NEW MEXICO MECHANICAL CODE	2012
UNIFORM PLUMBING CODE	2012
NEW MEXICO PLUMBING CODE	2012
INTERNATIONAL FIRE CODE	2015
NATIONAL ELECTRIC CODE	2017
NEW MEXICO ELECTRICAL CODE	2017
AMERICAN NATIONAL STANDARDS INSTITUTE A117	2009
NEW MEXICO COMMERCIAL BUILDING CODE	2015
CITY OF LAS CRUCES ZONING CODE	

### SYMBOLS / REFERENCE TAGS



## **ABBREVIATIONS**

ABOVE FINISHED FLOO
ALUMINUI
ASPHAL
BOTTOM OF FOOTING
CURB & GUTTE
CONTROL JOIN
CENTER LIN
CONCRETE MASONRY UNI
CITY OF LAS CRUCE
CONCRET
DEGREE
DEMOLISH, DEMOLITIO
DETAI
DOOR GRILL
DOWNSPOU
DUMPSTE
ELECTRICAL COMPONEN
EXISTING
EXPANSION JOIN
FIRE DAMPE
FIRE EXTINGUISHE
FINISH FLOO
FLAG POL
FACE OF BRIC
FACE OF STUD/ FACE OF SLA
GAUG
GALVANIZE
GAS METE
GYPSUM BOAR
HANDICAPPE
HARDWAR
HOLLOW META
HEIGH
LIGHT POL
MATERIA
MAXIMUI MOTION DETECTO
MANHOL
MINIMUI
META
NOT IN CONTRAC
NUMBE
NUMBE ON CENTE
ON CENTE
ON CENTE PAINT AND COLOR NO
ON CENTE PAINT AND COLOR NO PLASTIC LAMINATE AND COLOR NO PRESSURE TREATE
ON CENTE PAINT AND COLOR NO PLASTIC LAMINATE AND COLOR NO PRESSURE TREATE POLY VINYL CHLORID
ON CENTE PAINT AND COLOR NO PLASTIC LAMINATE AND COLOR NO PRESSURE TREATE POLY VINYL CHLORID RADIU
ON CENTE PAINT AND COLOR NO PLASTIC LAMINATE AND COLOR NO PRESSURE TREATE POLY VINYL CHLORID RADIU REINFORCIN
ON CENTE PAINT AND COLOR NO PLASTIC LAMINATE AND COLOR NO PRESSURE TREATE POLY VINYL CHLORID RADIU REINFORCINI RETAININ
ON CENTE PAINT AND COLOR NO PLASTIC LAMINATE AND COLOR NO PRESSURE TREATE POLY VINYL CHLORID RADIU REINFORCIN
ON CENTE PAINT AND COLOR NO PLASTIC LAMINATE AND COLOR NO PRESSURE TREATE POLY VINYL CHLORID RADIU REINFORCINI RETAININ
ON CENTE PAINT AND COLOR NO PLASTIC LAMINATE AND COLOR NO PRESSURE TREATE POLY VINYL CHLORID RADIU REINFORCING RETAINING SOLID CORE WOO
ON CENTE PAINT AND COLOR NO PLASTIC LAMINATE AND COLOR NO PRESSURE TREATE POLY VINYL CHLORID RADIU REINFORCINI RETAININI SOLID CORE WOO
ON CENTE PAINT AND COLOR NO PLASTIC LAMINATE AND COLOR NO PRESSURE TREATE POLY VINYL CHLORID RADIU REINFORCINI RETAININI SOLID CORE WOO SIMILA SHEE
ON CENTE PAINT AND COLOR NO PLASTIC LAMINATE AND COLOR NO PRESSURE TREATE POLY VINYL CHLORID RADIU REINFORCINI RETAININI SOLID CORE WOO SIMILA SHEE
ON CENTE PAINT AND COLOR NO PLASTIC LAMINATE AND COLOR NO PRESSURE TREATE POLY VINYL CHLORID RADIU REINFORCINI RETAININI SOLID CORE WOO SIMILA SHEE SQUAR STEE
ON CENTE PAINT AND COLOR NO PLASTIC LAMINATE AND COLOR NO PRESSURE TREATE POLY VINYL CHLORID RADIU REINFORCINI RETAININI SOLID CORE WOO SIMILA SHEE SQUAR STEE THIC
ON CENTE PAINT AND COLOR NO PLASTIC LAMINATE AND COLOR NO PRESSURE TREATE POLY VINYL CHLORID RADIU REINFORCINI RETAININI SOLID CORE WOO SIMILA SHEE SQUAR STEE THIC TOOLED JOINT
ON CENTE PAINT AND COLOR NO PLASTIC LAMINATE AND COLOR NO PRESSURE TREATE POLY VINYL CHLORID RADIU REINFORCING RETAINING SOLID CORE WOO SIMILA SHEE SQUAR STEE THIC TOOLED JOINT TOP OF BRIC
ON CENTE PAINT AND COLOR NO PLASTIC LAMINATE AND COLOR NO PRESSURE TREATE POLY VINYL CHLORID RADIU REINFORCINI RETAININI SOLID CORE WOO SIMILA SHEE SQUAR STEE THIC TOOLED JOIN' TOP OF BRIC TOP OF CUR
ON CENTE PAINT AND COLOR NO PLASTIC LAMINATE AND COLOR NO PRESSURE TREATE POLY VINYL CHLORID RADIU REINFORCING RETAINING SOLID CORE WOO SIMILA SHEE SQUAR STEE THIC TOOLED JOINT TOP OF BRIC
ON CENTE PAINT AND COLOR NO PLASTIC LAMINATE AND COLOR NO PRESSURE TREATE POLY VINYL CHLORID RADIU REINFORCINI RETAININI SOLID CORE WOO SIMILA SHEE SQUAR STEE THIC TOOLED JOIN' TOP OF BRIC TOP OF CUR
ON CENTE PAINT AND COLOR NO PLASTIC LAMINATE AND COLOR NO PRESSURE TREATE POLY VINYL CHLORID RADIU REINFORCINI RETAININI SOLID CORE WOO SIMILA SHEE SQUAR STEE THIC TOOLED JOINT TOP OF BRIC TOP OF CUR TOP OF CONCRETE WAL
ON CENTE PAINT AND COLOR NO PLASTIC LAMINATE AND COLOR NO PRESSURE TREATE POLY VINYL CHLORID RADIU REINFORCINI RETAININI SOLID CORE WOO SIMILA SHEE SQUAR STEE THIC TOOLED JOINT TOP OF BRIC TOP OF CUR TOP OF CONCRETE WAL
ON CENTE PAINT AND COLOR NO PLASTIC LAMINATE AND COLOR NO PRESSURE TREATE POLY VINYL CHLORID RADIU REINFORCING RETAINING SOLID CORE WOO SIMILA SHEE SQUAR STEE THIC TOOLED JOINT TOP OF BRIC TOP OF CUR TOP OF CONCRETE WALL TOP OF PARAPE TOP OF WALL STRUCTUR TRANSFORME
ON CENTE PAINT AND COLOR NO PLASTIC LAMINATE AND COLOR NO PRESSURE TREATE POLY VINYL CHLORID RADIU REINFORCINI RETAININI SOLID CORE WOO SIMILA SHEE SQUAR STEE THIC TOOLED JOIN' TOP OF BRIC TOP OF CUR TOP OF CONCRETE WAL TOP OF PARAPE TOP OF WALL STRUCTUR TUBE STEE TYPICA
ON CENTE PAINT AND COLOR NO PLASTIC LAMINATE AND COLOR NO PRESSURE TREATE POLY VINYL CHLORID RADIU REINFORCINI RETAININI SOLID CORE WOO SIMILA SHEE SQUAR STEE THIC TOOLED JOIN' TOP OF BRIC TOP OF CUR TOP OF CONCRETE WAL TOP OF PARAPE TOP OF WALL STRUCTUR TRANSFORME TUBE STEE TYPICA UNLESS NOTED OTHERWIS
ON CENTE PAINT AND COLOR NO PLASTIC LAMINATE AND COLOR NO PRESSURE TREATE POLY VINYL CHLORID RADIU REINFORCINI RETAININI SOLID CORE WOO SIMILA SHEE SQUAR STEE THIC TOOLED JOIN' TOP OF BRIC TOP OF CUR TOP OF CONCRETE WAL TOP OF PARAPE TOP OF WALL STRUCTUR TRANSFORME TUBE STEE TYPICA UNLESS NOTED OTHERWIS UNITED STATES POSTAL SERVIC
ON CENTE PAINT AND COLOR NO PLASTIC LAMINATE AND COLOR NO PRESSURE TREATE POLY VINYL CHLORID RADIU REINFORCINI RETAININI SOLID CORE WOO SIMILA SHEE SQUAR STEE THIC TOOLED JOINT TOP OF BRIC TOP OF CUR TOP OF CONCRETE WAL TOP OF PARAPE TOP OF WALL STRUCTUR TRANSFORME TUBE STEE TYPICA UNLESS NOTED OTHERWIS UNITED STATES POSTAL SERVIC UTILITY WEL
ON CENTE PAINT AND COLOR NO PLASTIC LAMINATE AND COLOR NO PRESSURE TREATE POLY VINYL CHLORID RADIU REINFORCINI RETAININI SOLID CORE WOO SIMILA SHEE SQUAR STEE THIC TOOLED JOIN' TOP OF BRIC TOP OF CUR TOP OF CONCRETE WAL TOP OF PARAPE TOP OF WALL STRUCTUR TRANSFORME TUBE STEE TYPICA UNLESS NOTED OTHERWIS UNITED STATES POSTAL SERVIC
ON CENTE PAINT AND COLOR NO PLASTIC LAMINATE AND COLOR NO PRESSURE TREATE POLY VINYL CHLORID RADIU REINFORCINI RETAININI SOLID CORE WOO SIMILA SHEE SQUAR STEE THIC TOOLED JOINT TOP OF BRIC TOP OF CUR TOP OF CONCRETE WAL TOP OF PARAPE TOP OF WALL STRUCTUR TRANSFORME TUBE STEE TYPICA UNLESS NOTED OTHERWIS UNITED STATES POSTAL SERVIC UTILITY WEL
ON CENTE PAINT AND COLOR NO PLASTIC LAMINATE AND COLOR NO PRESSURE TREATE POLY VINYL CHLORID RADIU REINFORCING RETAINING SOLID CORE WOO SIMILA SHEE SQUAR STEE THIC TOOLED JOINT TOP OF BRIC TOP OF CUR TOP OF CONCRETE WAL TOP OF PARAPE TOP OF WALL STRUCTUR TRANSFORME TUBE STEE TYPICA UNLESS NOTED OTHERWIS UNITED STATES POSTAL SERVIC UTILITY WELL VINYL COMPOSITION TIL
ON CENTE PAINT AND COLOR NO PLASTIC LAMINATE AND COLOR NO PRESSURE TREATE POLY VINYL CHLORID RADIU REINFORCING RETAINING SOLID CORE WOO SIMILA SHEE SQUAR STEE THIC TOOLED JOINT TOP OF BRIC TOP OF CUR TOP OF CONCRETE WAL TOP OF PARAPE TOP OF WALL STRUCTUR TRANSFORME TUBE STEE TYPICA UNLESS NOTED OTHERWIS UNITED STATES POSTAL SERVIC UTILITY WELL VINYL COMPOSITION TILL WALL CLEAN OU
ON CENTE PAINT AND COLOR NO PLASTIC LAMINATE AND COLOR NO PRESSURE TREATE POLY VINYL CHLORID RADIU REINFORCINI RETAININI SOLID CORE WOO SIMILA SHEE SQUAR STEE THIC TOOLED JOINT TOP OF BRIC TOP OF CONCRETE WAL TOP OF CONCRETE WAL TOP OF WALL STRUCTUR TRANSFORME TUBE STEE TYPICA UNLESS NOTED OTHERWIS UNITED STATES POSTAL SERVIC UTILITY WEL VINYL COMPOSITION TIL WALL CLEAN OU WOO
ON CENTE PAINT AND COLOR NO PLASTIC LAMINATE AND COLOR NO PRESSURE TREATE POLY VINYL CHLORID RADIU REINFORCINI RETAININI SOLID CORE WOO SIMILA SHEE SQUAR STEE THIC TOOLED JOIN' TOP OF BRIC TOP OF CUR TOP OF CONCRETE WAL TOP OF PARAPE TOP OF WALL STRUCTUR TRANSFORME TUBE STEE TYPICA UNLESS NOTED OTHERWIS UNITED STATES POSTAL SERVIC UTILITY WEL VINYL COMPOSITION TIL WALL CLEAN OU WOO WALL HYDRAN
ON CENTE PAINT AND COLOR NO PLASTIC LAMINATE AND COLOR NO PRESSURE TREATE POLY VINYL CHLORID RADIU REINFORCINI RETAININI SOLID CORE WOO SIMILA SHEE SQUAR STEE THIC TOOLED JOINT TOP OF BRIC TOP OF CUR TOP OF CONCRETE WAL TOP OF PARAPE TOP OF WALL STRUCTUR TRANSFORME TUBE STEE TYPICA UNLESS NOTED OTHERWIS UNITED STATES POSTAL SERVIC UTILITY WEL VINYL COMPOSITION TIL WALL CLEAN OU WOO WALL HYDRAN
ON CENTE PAINT AND COLOR NO PLASTIC LAMINATE AND COLOR NO PRESSURE TREATE POLY VINYL CHLORID RADIU REINFORCINI RETAININI SOLID CORE WOO SIMILA SHEE SQUAR STEE THIC TOOLED JOIN' TOP OF BRIC TOP OF CUR TOP OF CONCRETE WAL TOP OF PARAPE TOP OF WALL STRUCTUR TRANSFORME TUBE STEE TYPICA UNLESS NOTED OTHERWIS UNITED STATES POSTAL SERVIC UTILITY WEL VINYL COMPOSITION TIL WALL CLEAN OU WOO WALL HYDRAN WEL
ON CENTE PAINT AND COLOR NO PLASTIC LAMINATE AND COLOR NO PRESSURE TREATE POLY VINYL CHLORID RADIU REINFORCINI RETAININI SOLID CORE WOO SIMILA SHEE SQUAR STEE THIC TOOLED JOIN' TOP OF BRIC TOP OF CUR TOP OF CONCRETE WAL TOP OF PARAPE TOP OF WALL STRUCTUR TRANSFORME TUBE STEE TYPICA UNLESS NOTED OTHERWIS UNITED STATES POSTAL SERVIC UTILITY WEL VINYL COMPOSITION TIL WALL CLEAN OU WOO WALL HYDRAN WEL WATER PIP

WOVEN WIRE MESH

### DRAWING INDEX

<b>ARCH</b>	ITECTURAL_
A001	SITE PLAN & DEMO FLOOR PLAN
A100	FLOOR PLAN & FINISH FLOOR PLAN
A200	SCHEDULES, DOOR AND WINDOW TYPES
A300	EXTERIOR ELEVATIONS
A500	REFLECTED CEILING PLAN
A700	INTERIOR ELEVATIONS
A800	MILLWORK SECTIONS

K100 HOOD DETAILS K200 MUA DETAILS K300 ELECTRICAL PACKAGE GREASE DUCT & CHIMNEY M100 MECHANICAL GENERAL NOTES M200 MECHANICAL PLAN M300 MECHANICAL DETAILS

P100 PLUMBING GENERAL NOTES P101 PLUMBING SITE PLAN P200 PLUMBING PLAN P300 PLUMBING DETAILS

E100 ELECTRICAL GENERAL NOTES E200 ELECTRICAL PLAN E300 EXISTING LIGHTING PLAN

E400 ELECTRICAL RISER DIAGRAMS & LOAD CAL

### PROJECT TEAM

<u>OWNER</u>
MATTEO'S MEXICAN FOOD
1001 E LINIIVEDCITY AVE C

1001 E. UNIVERSITY AVE SUITE C-1 CONTACT: **HUGO RIOS** 

P 575.521.3757 F 575.521.3880 CONTACT:

JASON CLARK

LAS CRUCES, NM 88001

**ARCHITECT** 

STUDIO D

509 S. MAIN

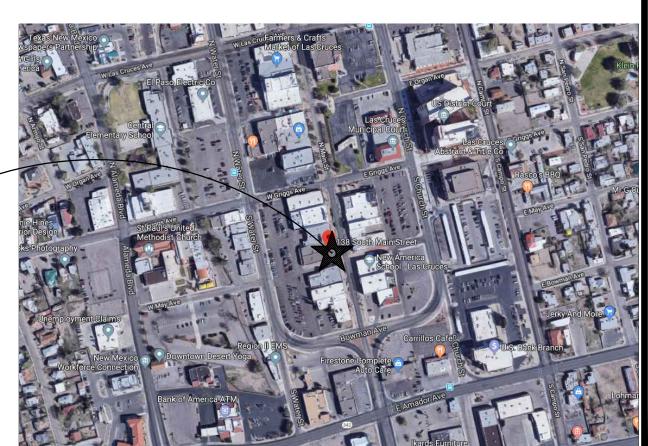
### MECHANICAL, ELECTRICAL & <u>PLUMBING</u>

**RAXIS ENGINEERING** 1712 TEXAS ST. EL PASO, TX 79901 P 915.519.4340 CONTACT:

JOSE A. MORALES, P.E. CEM

**PROJECT** LOCATION

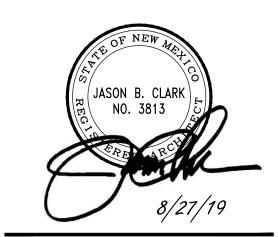




VICINITY MAP

Las Cruces, NM 88001 PH 575.521.3757 FAX 575.521.3880 www.studio-d.biz

copyright Studio d Architects all rights reserved.



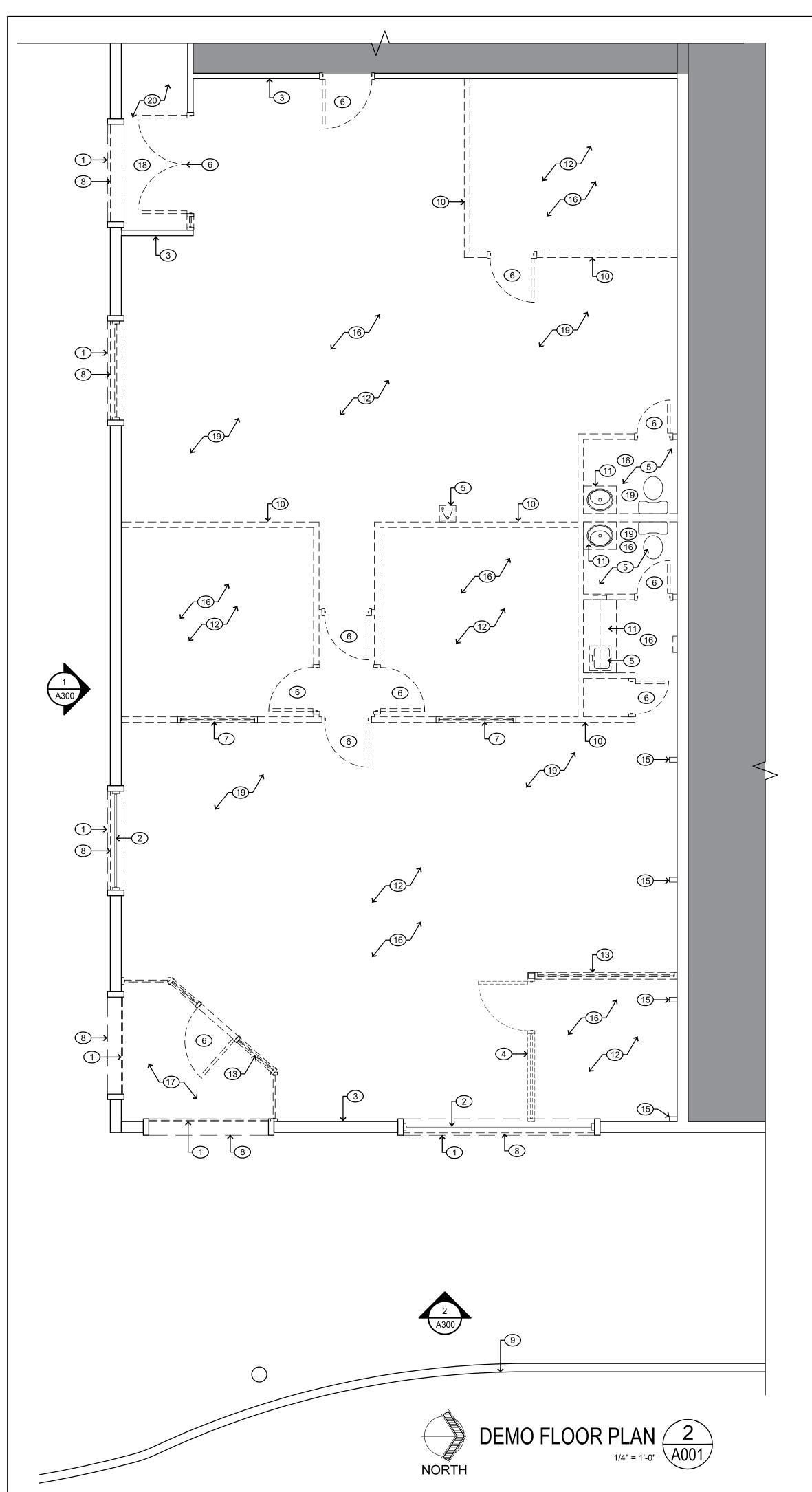
REMODEL

## MATTEO'S RESTAURANT

138 S. Main St. Las Cruces, New Mexico

REVISION

19.29 Project no: August 2019



## DEMO KEYED NOTES

- 1. DEMO EXISTING STL. IRON WORK GRATES. AT EXISTING WINDOWS AND DOOR OPENINGS. 2. EXISTING WINDOW TO REMAIN.
- 3. EXISTING WALL TO REMAIN.
- 4. REMOVE EXISTING ALUMINUM FRAME. TO BE REUSED. COORDINATE WITH NEW FLOOR PLAN.
- 5. DEMO PLUMBING FIXTURES.
- 6. DEMO EXISTING DOOR AND FRAME IN ITS ENTIRETY.
- 7. DEMO EXISTING GLAZING UNIT IN ITS ENTIRETY.
- 8. HIDDEN LINE OF EXISTING ARCH TO REMAIN
- EXISTING EDGE OF SIDEWALK. 10. DEMO EXTENTS OF EXISTING WALL AS SHOWN.
- 11. DEMO EXISTING MILLWORK. 12. DEMO EXISTING FLOORING.
- 13. DEMO EXISTING ALUMINUM FRAME.
- 14. EXISTING TO REMAIN.
- 15. DEMO WOOD POSTS. FIELD VERIFY. 16. DEMO EXISTING CEILING AND GRID IN ITS
- 17. DEMO EXISTING SOFFIT.
- 18. EXISTING SOFFIT TO REMAIN. 19. CONTRACTOR TO CUT EXISTING CONCRETE SLAB FOR NEW PLUMBING AND PATCH AS REQUIRED
- PER PLUMBING PLANS. FIELD VERIFY. 20. CONTRACTOR TO CUT EXISTING CONCRETE SLAB FOR NEW GREASE TRAP AND PATCH AS REQUIRED PER PLANS. FIELD VERIFY.

### GENERAL DEMO NOTES

- A. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN ON PLANS AND EXISTING SITE. THE ARCHITECT SHALL BE NOTIFIED OF CONFLICTS OR VARIATIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE ARCHITECT MAKES NO CLAIMS THAT ALL EXISTING CONDITIONS HAVE BEEN SHOWN IN THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO ENSURE NO DAMAGE IS CAUSED TO CONCEALED CONSTRUCTION.
- B. THE ARCHITECT PRODUCING THESE PLANS WILL NOT BE RESPONSIBLE FOR FIELD CHANGES AND DECISIONS UNLESS NOTIFIED IN WRITING OF CHANGES AND THEN ONLY BY WRITTEN APPROVAL BY THE ARCHITECT. C. ALL SCALE PLAN DIMENSIONS ARE TO NOMINAL FACE OF
- STUD OR FACE OF MASONRY UNLESS OTHERWISE NOTED. D. CONTRACTOR SHALL NOT SCALE DRAWINGS, IN THE EVENT OF OMISSION OF DIMENSIONS THE CONTRACTOR
- SHALL NOTIFY THE ARCHITECT PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. FAILURE TO DO SO WILL LEAVE THE CONTRACTOR SOLELY RESPONSIBLE FOR ANY DISCREPANCIES, CORRECTIONS, ETC., RESULTING FROM THE SAME.
- THE CONTRACTOR SHALL PROVIDE PROTECTION AS NECESSARY TO PREVENT DAMAGE TO THE EXISTING CONSTRUCTION NOT TO BE REMOVED UNDER CONTRACT AND ANY/ALL ITEMS INDICATED TO REMAIN IN
- F. ANY AND ALL ITEMS DAMAGED DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR TO A LIKE NEW CONDITION AT HIS EXPENSE. G. THE CONTRACTOR SHALL CLEAN UP ALL DEBRIS
- CAUSED BY THE WORK OF THIS PROJECT AND SHALL SOLELY BE RESPONSIBLE FOR KEEPING THE PREMISES CLEAN AND NEAT AT ALL TIMES.
- H. THERE SHALL BE LITTLE IF NO INTERRUPTION TO THE OPERATIONS OF THE BUILDING DURING THE COURSE OF CONSTRUCTION. UNAVOIDABLE INTERRUPTIONS IN SERVICES SHALL BE DISCUSSED, AGREED UPON AND SCHEDULED WITH THE TENANT(S), BUILDING OWNER AND ANY OTHER PARTIES THAT WOULD BE AFFECTED BY INTERRUPTIONS IN SERVICES.
- ANY AND ALL CONFLICTS FOUND DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN WRITING SO THAT ADDITIONAL INSTRUCTIONS CAN BE FORWARDED TO THE CONTRACTOR. FAILURE TO DO SO MAY RESULT IN CORRECTIVE ACTION TO BE PERFORMED BY CONTRACTOR AT THEIR EXPENSE.
- J. IF THE CONTRACTOR SUSPECTS THE PRESENCE OF ASBESTOS CONTAINING MATERIALS, THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY. THE OWNER SHALL BE

- RESPONSIBLE FOR THE SAFE REMOVAL AND/OR CONTAINMENT OF ALL SUCH MATERIALS, IN ACCORDANCE WITH THE APPLICABLE LAW. ADJUSTMENT TO THE CONSTRUCTION SCHEDULE WILL BE CONSIDERED IF ABATEMENT IS REQUIRED. ANY ASBESTOS REMOVAL WORK SHALL BE COORDINATED BY
- THE GENERAL CONTRACTOR. THE ARCHITECT ASSUMES NO RESPONSIBILITY FOR THE DETECTION, PRESENCE OR REMOVAL OF ASBESTOS CONTAINING MATERIALS. K. THE CONTRACTOR SHALL PROVIDE ALL BARRICADES,
- FENCES, COVERED WALKS, PLANKING, FENCES LIGHTING, BRACING, SHORING, WARNING SIGNS, GUARDS, ETC. AS REQUIRED FOR PROTECTION OF WORKMEN, THE PUBLIC, BUILDING OCCUPANTS AND ADJOINING PROPERTIES.
- L. PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR AND ARCHITECT SHALL JOINTLY SURVEY THE SITE AND EXISTING BUILDINGS, PAVING, PLANT LIFE, AND OTHER ITEMS, NOTING AND RECORDING EXISTING DAMAGE SUCH AS CRACKS, SAGS, LOOSE MASONRY, UNHEALTHY PLANT LIFE, AND OTHER DAMAGE. THIS SURVEY WILL BE USED AS A BASIS FOR DETERMINATION OF SUBSEQUENT DAMAGE TO THIS ITEMS DUE TO DEMOLITION AND CONSTRUCTION OPERATIONS. THE OFFICIAL RECORD OF THIS DAMAGES SHALL BE SIGNED BY THE ARCHITECT AND CONTRACTOR. DAMAGE TO THE SITE AND ADJACENT BUILDINGS, PAVING PLANT LIFE AND OTHER ITEMS NOT NOTED IN THE ORIGINAL SURVEY BUT SUBSEQUENTLY OBSERVED SHALL BE REPORTED IMMEDIATELY TO THE ARCHITECT AND IMMEDIATELY REPAIRED OR CORRECTED BY THE CONTRACTOR AT THE CONTRACTOR EXPENSE.
- M. CONTRACTOR SHALL VERIFY WHETHER WALLS TO BE REMOVED ARE LOAD BEARING. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE TEMPORARY BRACING OF STRUCTURE DURING ALL PHASES OF CONSTRUCTION UNTIL STRUCTURAL COMPONENTS ARE SUPPORTED BY NEW WORK.
- N. ANY DAMAGE CAUSED BY REMOVAL OF STRUCTURAL COMPONENTS THAT ARE NOT ADEQUATELY BRACED OR SUPPORT SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- O. CONTRACTOR TO NOTIFY THE ARCHITECT IN WRITING IF THEY SUSPECT STRUCTURAL COMPONENTS (I.E. LOAD BEARING WALLS, BEAMS, HEADERS ETC.) WILL NOT BE ADEQUATELY SUPPORTED BY NEW WORK. FAILURE TO DO SO MAY RESULT IN CORRECTIVE ACTION TO BE PERFORMED BY THE CONTRACTOR AT THEIR EXPENSE. P. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO DEMOLITION, CONTRACTOR IS TO NOTIFY

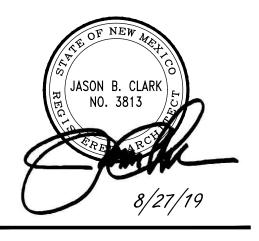
ARCHITECT OF ANY DISCREPANCIES BETWEEN

CONSTRUCTION DRAWINGS AND EXISTING CONDITIONS.



509 S. Main Studio d Las Cruces, NM 88001 PH 575.521.3757 FAX 575.521.3880 www.studio-d.biz

copyright Studio d Architects all rights reserved.



REMODEL

## MATTEO'S RESTAURANT

138 S. Main St. Las Cruces, New Mexico



- 1. HIDDEN LINE OF WALL BELOW. EXTERIOR ROOF
- 2. EXISTING 6" CONCRETE CURB TO REMAIN 3. EXISTING POLE SIGN TO REMAIN.

REVISION

19.29 August 2019

DATE

EXST. SITE PLAN DEMOLITION FLOOR PLAN

MAIN STREET MAY AVENUE

5. EXISTING BRICK WALK TO REMAIN

SITE PLAN 1/8" = 1'-0" A001



### **KEYED NOTES**

- 1. 5/8" GYP BD, ON EXISTING WALL SURFACE. TAPE, TEXTURE AND PAINT.
- FURNITURE TO BE OWNER PROVIDED.
   EQUIPMENT N.I.C. OWNER PROVIDED CONTRACTOR
- INSTALLED. PROVIDE REQUIRED HOOK-UPS.
- 4. EXISTING ALUMINUM UNIT TO BE REUSED. FIELD
- 5. HIDDEN LINE OF CLG ABOVE. 6. HIDDEN LINE OF WALL UNDERNEATH TILE
- COUNTERTOP. 7. NEW CUSTOM WINDOW UNIT, SEE SCHEDULES. MATCH EXISTING FINISHES.
- 8. STL. RAILING 36" A.F.F.: FLOOR MOUNT, PAINT.
- 9. WATER HEATER, SEE PLUMBING.
- 10. NEW FLOOR SINK. SEE PLUMBING.
- 11. NEW HAND SINK, SEE PLUMBING. 12. HIDDEN LINE OF KITCHEN EQUIPMENT. OWNER
- PROVIDED AND INSTALLED.
- 13. CULTURED STONE TO BE SELECTED BY OWNER. 14. LOW WALL . T.O.W. @ 24" A.F.F. TILE FINISH ALL
- EXPOSED SIDES AND TOP. 15. REF/FREEZER EQUIPMENT BY OWNER.
- 16. FILL IN WALL. MATCH ADJACENT FINISHES,
- CONSTRUCTION AND WIDTH. FIELD VERIFY. 17. HIDDEN LINE OF BLOCK ARCH TO REMAIN.
- 18. PAINT EXISTING WALL. PATCH AS REQUIRED. 19. 3" TILE COUNTERTOP. SEE INT. ELEVATIONS.
- 20. BUILT-IN 3" TILE COUNTER. PROVIDE SUPPORT WALLS
- BELOW AS REQUIRED. 21. HIDDEN LINE OF OVERHEAD HOOD. SEE MECHANICAL.
- 22. 48" FRP WAINSCOT; WHITE. REFER TO FINISH SCHEDULE. 23. POINT OF SALES; EQUIPMENT BY OWNER. GC TO
- PROVIDE REQUIRED POWER.DATA. 24. FLOOR DARIN, SEE PLUMBING.
- 25. EDGE OF EXISTING SIDEWALK. FIELD VERIFY.
- 26. EXISTING POLE SIGN TO REMAIN. 27. S.S. FINISH FULL HEIGHT FLR. TO CLG. SEE INT.
- ELEVATIONS. 28. FULL HEIGHT FRP; WHITE, SEE FINISH SCHEDULE.
- 29. TILE WAINSCOT. TO BE SELECTED BY OWNER.
- 30. NEW H.M. DOOR AND FRAME; PAINT. SEE DOOR TYPES. 31. NEW H.M. FRAME AND WOOD DOOR; PAINT. SEE DOOR
- 32. ALUMINUM FRAME AND DOOR FIELD VERIFY SIZE.
- 33. PROVIDE FINISH EDGE. 34. S.S. 2" POST AND CLAMPS W/ 1/4" GLASS PANELS.
- 35. PROVIDE NEW ROOM SIGNS PER NMSU CURRENT SIGN STANDARDS. WHERE SIGN IS TO BE MOUNTED ON GLASS PROVIDE SOLID BACK PIECE TO MATCH COLOR AND SIZE IN ORDER TO COVER UP VISUAL OF TAPE ON THE BACK SIDE OF SIGN.
- 36. LOW WALL . T.O.W. @ 42" A.F.F. P.LAM FINISH ALL EXPOSED SIDES AND TOP.
- 37. GLASS SNEEZE GUARD AND 2" ALUM. PIPES AND SUPPORT CLIPS.
- 38. GLASS GUARD RAIL AND 2" ALUM. PIPES AND SUPPORT
- CLIPS ON TOP OF PONY WALL. 39. PROVIDE KITCHEN PASS THRU AS SHOWN ON INTERIOR
- ELEVATIONS. TILE FINISH ALL EXPOSED EDGES. 40. P.LAM COUNTER. PROVIDE FINISHED TRASH OPENING. FIELD COORDINATE WITH OWNER. COLOR T.B.S. BY
- 41. BUILT-IN MILLWORK TO BE OWNER PROVIDED. 42. 2 LAYERS OF 5/8" TYPE "X" GYP BD, UP TO DECK. FIELD VERIFY; TAPE, TEXTURE AND PAINT. G.C. RESPONSIBLE

## FF KEYED NOTES

FOR FIRE SEPARATION REQUIREMENTS.

- 8x8 SLIP RESISTANT PORCELAIN TILE
   12x24 PORCELAIN TILE
   MILLWORK; TILE UNDERNEATH AT OPEN KNEES
- SPACES.
- 4. EXTERIOR TRANSITION STRIP. 5. EXISTING CONCRETE SIDEWALK TO REMAIN.

### WALL TYPES

**INTERIOR WALL** 

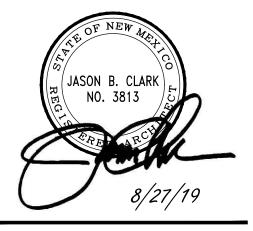
 $3\frac{5}{8}$ " METAL STUDS @ 16" O.C. W/ SOUND BATT INSUL. &  $\frac{5}{8}$ " G.W.B. AT INTERIOR

3%" METAL STUDS @ 16" O.C. W/ SOUND BATT INSUL. & %" G.W.B. AT EACH SIDE

6" METAL STUDS TO DECK @ 16" O.C. W/ SOUND BATT INSUL. & %" G.W.B. ON BOTH SIDES

Las Cruces, NM 88001 PH 575.521.3757 FAX 575.521.3880 www.studio-d.biz

copyright Studio d Architects all rights reserved.



REMODEL

## MATTEO'S RESTAURANT

138 S. Main St. Las Cruces, New Mexico

REVISION DATE

19.29 August 2019

FLOOR PLAN & FLOOR FINISH PLAN

Project no:

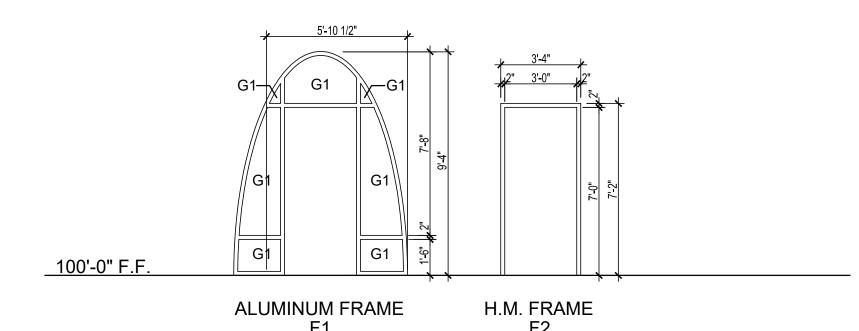


\* SEE RCP FOR CEILING DETAILS

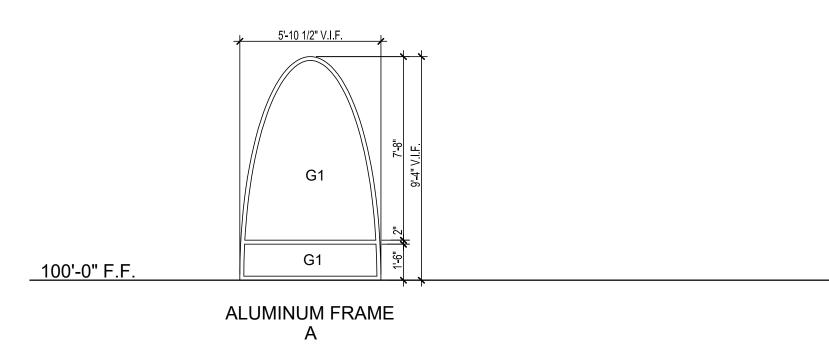
	FINISHES												
	FLOOR		BASE		WALL		CEILING						
F1	8x8 SLIP RESISTANT PORCELAIN TILE	B1	4" TILE BASE		GYP. WALL BD., PAINT & TEXT.	C1	24" X 24" LAY-IN ACOUS. TILE & GRID						
F2	12x24 PORCELAIN TILE	B2	2 6" TILE BASE		PAINT EXISTING WALL	C2	24" X 24" LAY-IN VINYL TILE & GRID						
				W3	48" FRP WAINSCOT								
				W4	FULL HEIGHT FRP								
				W5	CULTURED STONE ACCENT								
				W6	S.S. WALL PANEL FULL HEIGHT								
				W7	TILE WAINSCOT								

	DOOR SCHEDULE												
DOOR	R.	Э.			FRAME FRAME	REMARKS							
NO.	WIDTH	HT.	THKNS.	TYPE	WXD	TYPE	REWARKS						
100	VARIES	VARIES	1-3/4"	D1	2"x4 1/2"	F1							
101	3'-0"	7'-0"	1-3/4"	D4	2"x4 1/2"	F2							
102	3'-0"	7'-0"	1-3/4"	D2	2"x4 1/2"	F2							
103	3'-0"	7'-0"	1-3/4"	D2	2"x4 1/2"	F2							
104	3'-0"	7'-0"	1-3/4"	D2	2"x4 1/2"	F2							
105	3'-0"	7'-0"	1-3/4"	D2	2"x4 1/2"	F2							
106	3'-0"	7'-0"	1-3/4"	D3	2"x4 1/2"	F2							
107	V.I.F.	V.I.F.					REUSE EXISTING ALUMINUM FRAME						
108	3'-0"	7'-0"	1-3/4"	D2	2"x4 1/2"	F2							
109	3'-0"	7'-0"	1-3/4"	D2	2"x4 1/2"	F2							

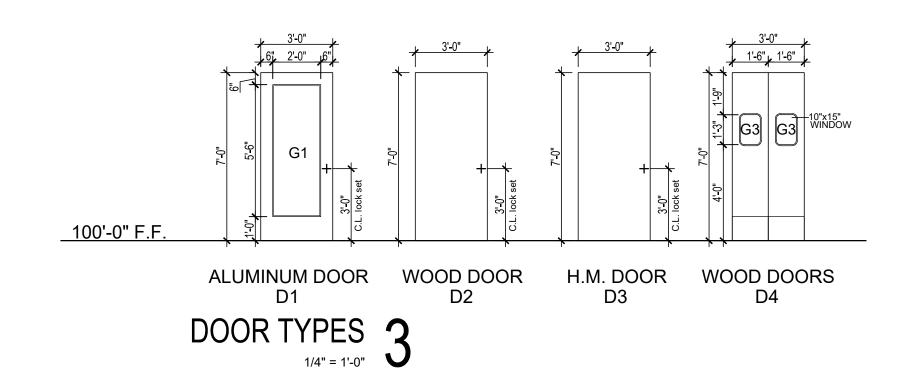
WINDOW SCHEDULE											
I.D	. WINDO	WS (R.O.)	FRAME	SILL	REMARKS						
			WXD	HEIGHT							
<b>(</b> √2	V.I.F.	V.I.F.	2"x4 1/2"	-	CUSTOM ARCH						



FRAME TYPES (WINDOWS)



FRAME TYPES (DOORS) 2



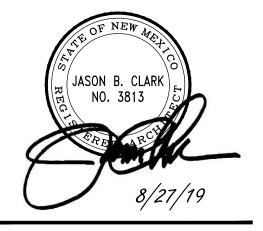


G1 - 1" CLEAR INSULATED TEMPERED GLASS, LOW-E G2 - 1" CLEAR INSULATED GLASS, LOW-E G3 - 1/4" CLEAR SINGLE PANE TEMPERED GLASS,



509 S. Main Studio d Las Cruces, NM 88001 PH 575.521.3757 FAX 575.521.3880 www.studio-d.biz

copyright Studio d Architects all rights reserved.



REMODEL

## MATTEO'S RESTAURANT T.I.

138 S. Main St. Las Cruces, New Mexico

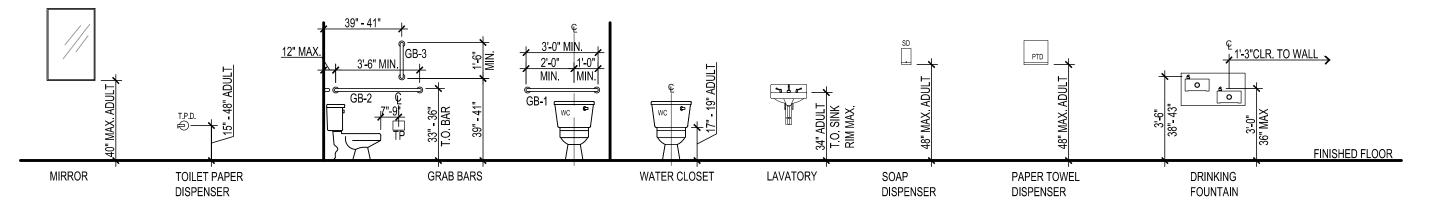
REVISION DATE

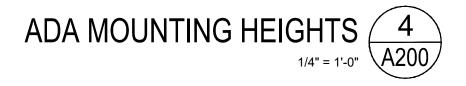
Project n

no: 19.29 August 2019

SCHEDULES DOOR & WINDOW TYPES

A200

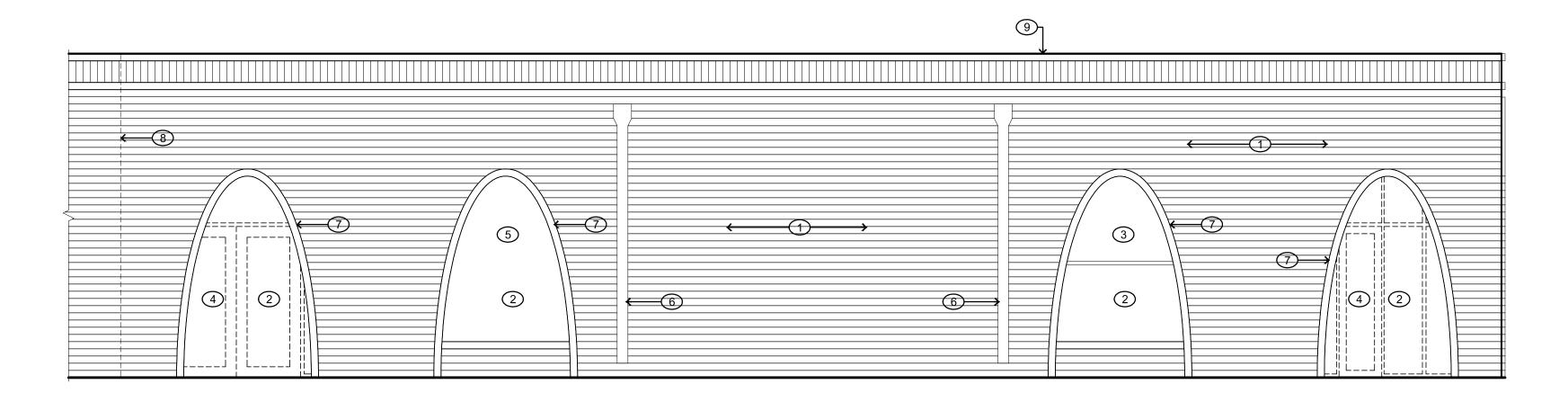




## DEMO KEYED NOTES O

- EXISTING SLUMP BLOCK TO REMAIN.
   DEMO WROUGHT IRON GRATE.
- 3. EXISTING GLAZING UNIT TO REMAIN. 4. DEMO ALUMINUM FRAME IN ITS ENTIRETY.
- DEMO EXISTING GLAZING UNIT IS ITS ENTIRETY.
- EXISTING DOWNSPOUT TO REMAIN.

- EXISTING ARCH TO REMAIN.
   HIDDEN LINE OF EXTENTS OF SCOPE OF WORK.
   EXISTING TO REMAIN.

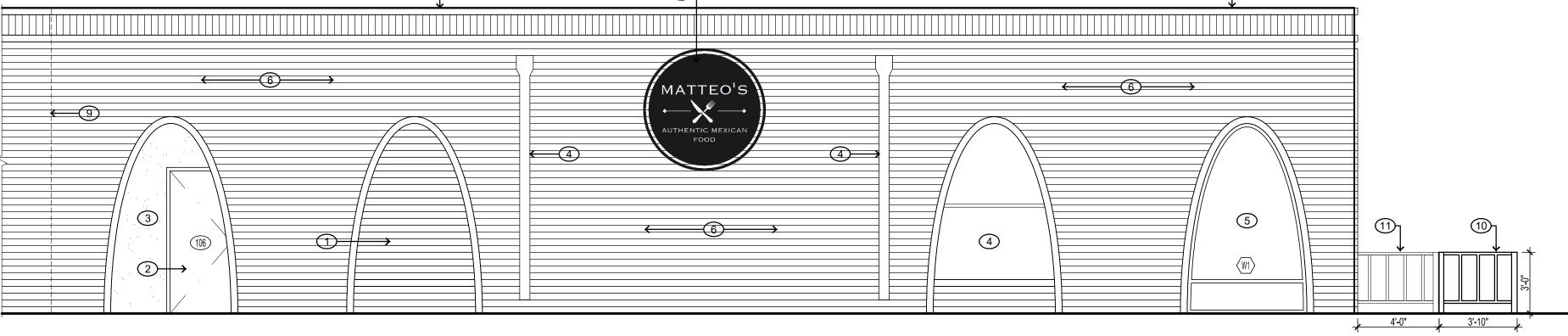


 $\longleftarrow \bigcirc$ 3 2 4 2

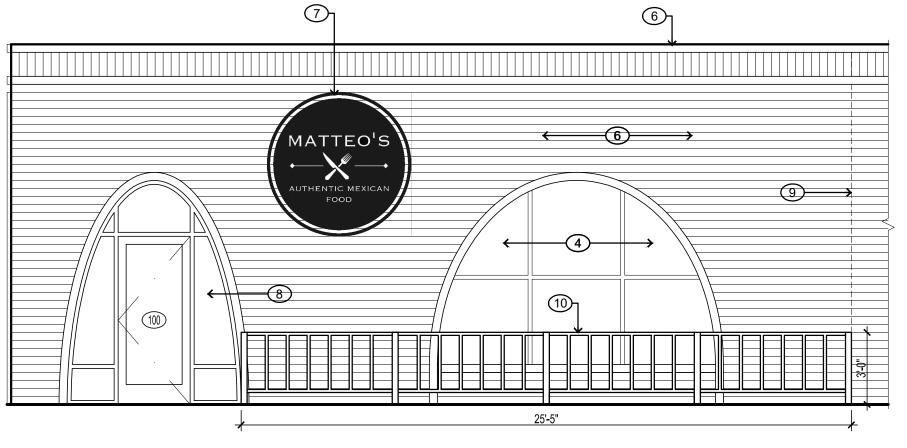
97



€ 6 € 6 MATTEO'S



Date: Aug 26, 2019 - 10:06am User:Station7 Drawing File: K:\2019 Projects\1929 Matteo's\DW\ Last Saved By: Station7 Aug 23, 2019 - 12:14pm Layout Name: A300



EAST ELEVATION 4 1/4" = 1'-0" A300

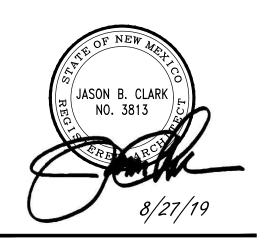
**KEYED NOTES** 

- 1. FILL IN EXISTING ARCH WITH SLUMP BLOCK TO MATCH EXISTING TYPE AND WIDTH. FIELD VERIFY. PAINT TO MATCH NEW.
- 2. NEW H.M. FRAME AND DOOR; PAINT SEE SHEET
- 3. STUCCO NEW WALL TO MATCH EXISTING
- ADJACENT FINISHES.
- 4. EXISTING TO REMAIN.
- 5. NEW CUSTOM WINDOW UNIT. FIELD VERIFY CUSTOM SIZE AND SHAPE.
- 6. PAINT EXTERIOR BLOCK WALL. PATCH AS
- REQUIRED. COLOR T.B.S. BY OWNER. 7. NEW SIGNAGE BY OWNER. G.C. TO PROVIDE
- POWER AS REQUIRED.
- 8. NEW ALUMINUM FRAME. FIELD VERIFY CUSTOM SIZE AND SHAPE.
- 9. HIDDEN LINE OF EXTENTS OF SCOPE OF WORK.
- 10. NEW STL. GUARD RAIL; PAINT. BRACE TO FLOOR. 11. NEW GUARDRAIL BEYOND. SEE FLOOR PLAN.

Studio D Architects

509 S. Main Studio d Las Cruces, NM 88001 PH 575.521.3757 FAX 575.521.3880 www.studio-d.biz

copyright Studio d Architects all rights reserved.



REMODEL

## MATTEO'S RESTAURANT

138 S. Main St. Las Cruces, New Mexico

DATE REVISION

Project no: August 2019

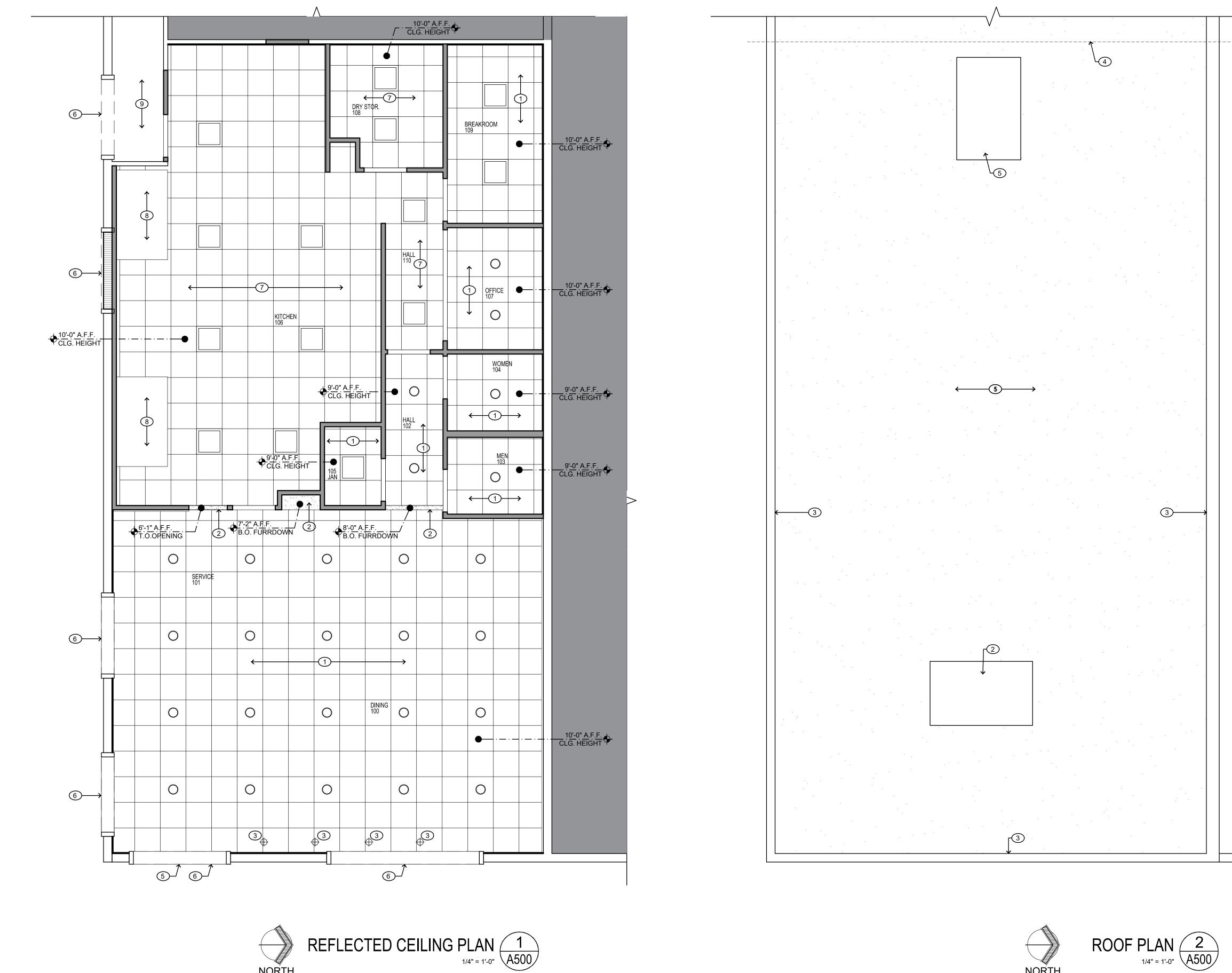
Sheet:

DEMO EXT. ELEV. & NEW EXT. ELEV.

19.29



DEMO SOUTH ELEVATION (1





- 1. 2'x2' ACOUSTICAL ARMSTRONG DUNE CEILING TILE AND PRELUDE XL 15/16" GRID. REFER TO ROOM
- FINISH SCHEDULE.

  2. FURR-DOWN- MTL. STUD FRAMING W. 5/8" GYP. BD. FINISH- TAPE, TEXTURE AND PAINT.
- 3. PENDANT LIGHT FIXTURE, SEE ELECTRICAL. 4. HVAC SUPPLY AND RETURN, SEE MECHANICAL.
- COORDINATE LOCATION IN FIELD.
  5. EXTERIOR WALL MOUNT LIGHT FIXTURE, REFER TO LIGHTING PLAN. VERIFY MOUNTING HEIGHT WITH
- OWNER/ARCHITECT PRIOR TO INSTALLATION. 6. HIDDEN LINE OF WINDOW FRAME ARCH TO REMAIN. 7. 2'x2' VINYL CEILING TILE AND PRELUDE XL 15/16"
- GRID. REFER TO ROOM FINISH SCHEDULE. 8. KITCHEN HOOD OWNER PROVIDED, CONTRACTOR
- INSTALLED. PROVIDE ALL HOOK-UPS REQUIRED. 9. EXISTING TO REMAIN.

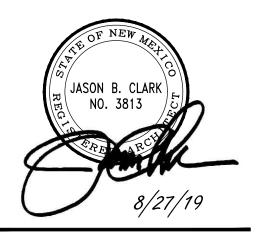
## ROOF KEYED NOTES O

- 1. EXISTING ROOF TO REMAIN.
- 2. NEW ROOF TOP UNIT, PATCH ROOF AS REQUIRED. SEE MECHANICAL SHEETS. COORDINATE WITH
- 3. EXISTING ROOF PARAPET TO REMAIN.
- 4. HIDDEN LINE OF EXTENTS OF SCOPE OF WORK.5. EXISTING RTU TO REMAIN.



509 S. Main Studio d Las Cruces, NM 88001 PH 575 521 3757 FAX 575.521.3880 www.studio-d.biz

copyright Studio d Architects all rights reserved.



REMODEL

## MATTEO'S RESTAURANT

138 S. Main St. Las Cruces, New Mexico

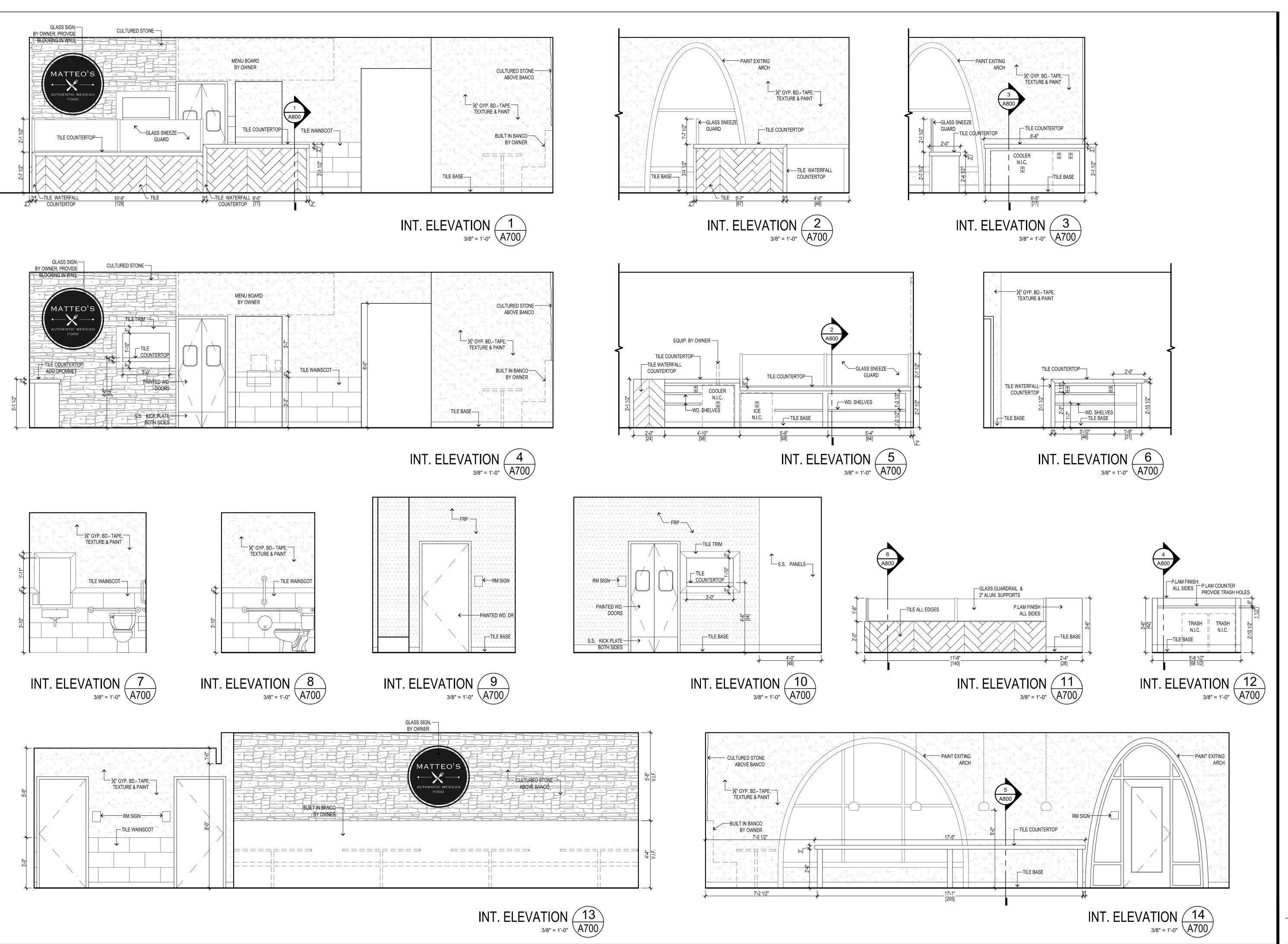
REVISION

19.29 August 2019

DATE

REFLECTED CEILING PLAN & ROOF PLAN

ROOF PLAN 2 1/4" = 1'-0" A500



Date: Aug 26, 2019 - 10:49am User:Station7 Drawing File: K:\2019 Projects\1929 Matteo\s\DW Last Saved By: Station7 Aug 26, 2019 - 10:48am Layout Name: A700



509 S. Main Studio d Las Cruces, NM 88001 PH 575.521.3757 FAX 575.521.3880 www.studio-d.biz

copyright Studio d Architects all rights reserved.



REMODEL

## MATTEO'S RESTAURANT T.I.

138 S. Main St. Las Cruces, New Mexico

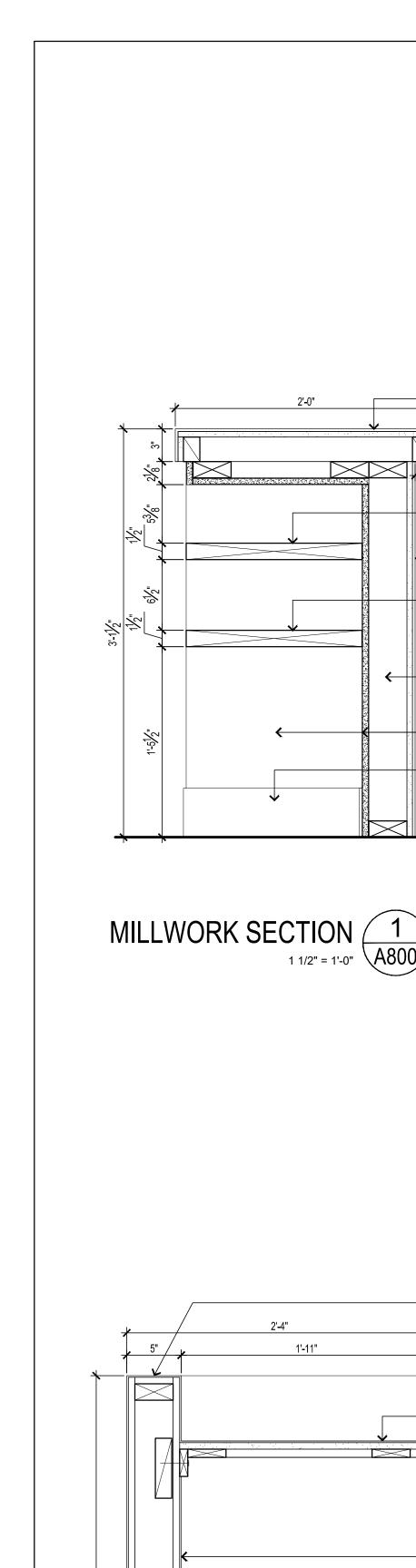
REVISION DATE

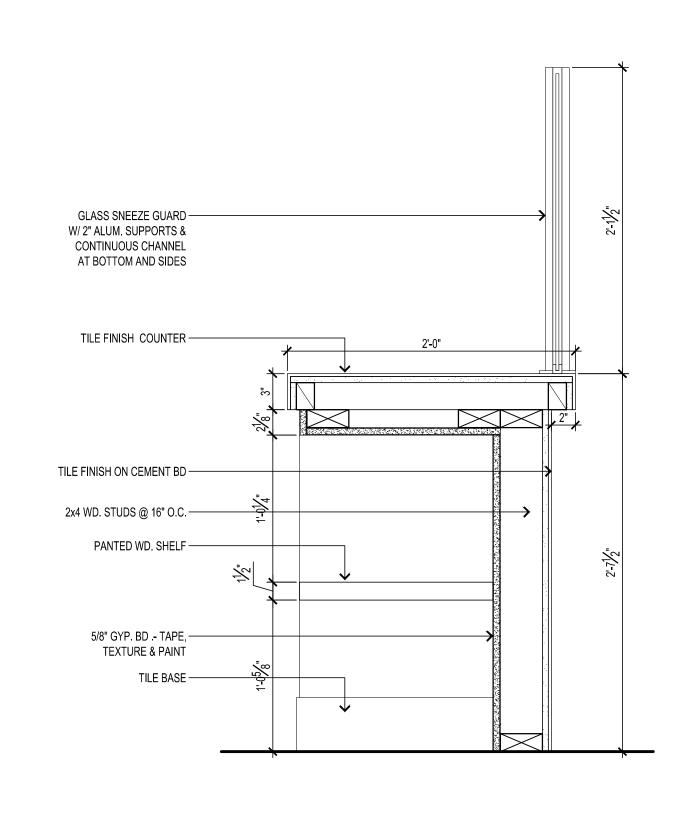
Project no:

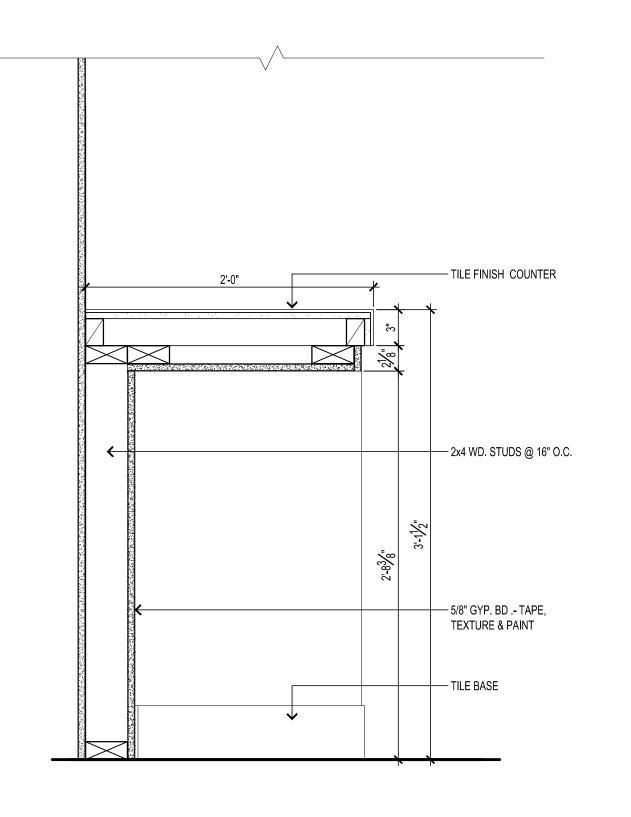
19.29 August 2019

INTERIOR ELEVATIONS

A700



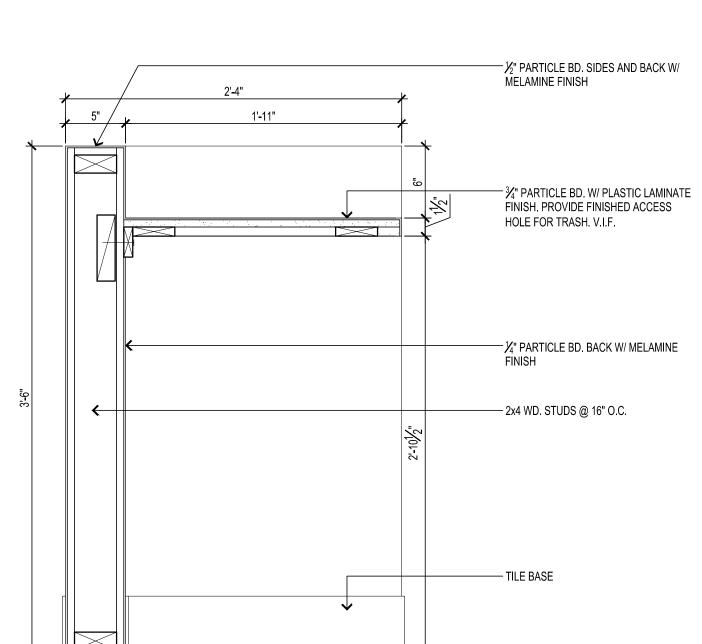




MILLWORK SECTION
1 1/2" = 1'-0"

A800





MILLWORK SECTION
1 1/2" = 1'-0"

4
A800

TILE FINISH COUNTER

- PANTED WD. SHELF

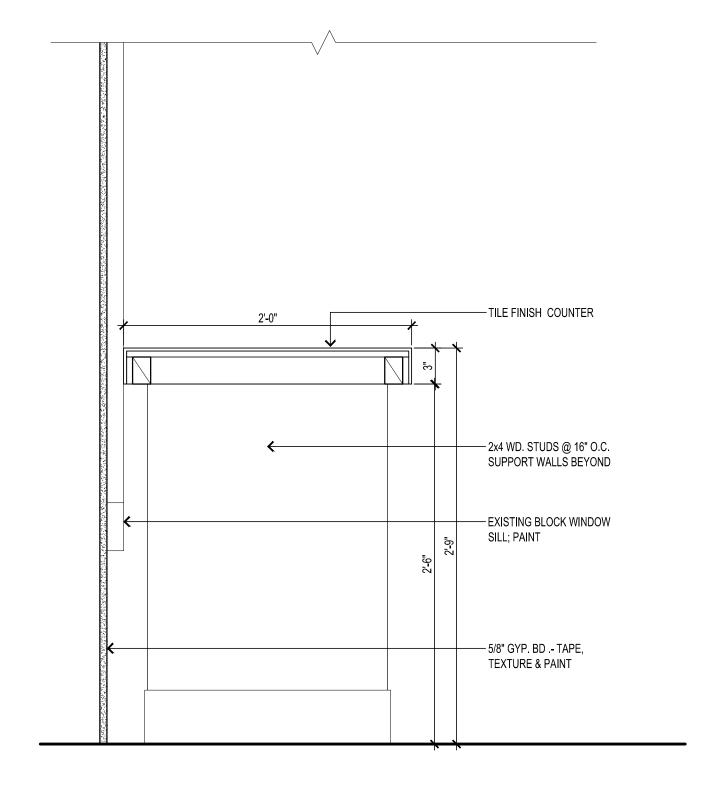
- PANTED WD. SHELF

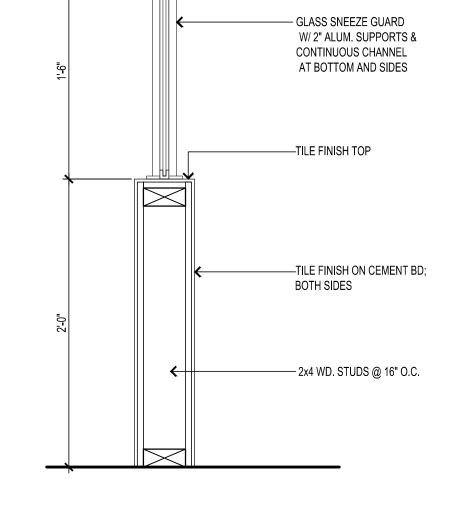
TILE FINISH ON CEMENT BD

– 2x4 WD. STUDS @ 16" O.C.

– 5/8" GYP. BD .- TAPE, TEXTURE & PAINT

- TILE BASE





MILLWORK SECTION
1 1/2" = 1'-0"

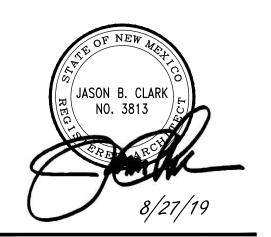
5
A800





509 S. Main Studio d Las Cruces, NM 88001 PH 575.521.3757 FAX 575.521.3880 www.studio-d.biz

copyright Studio d Architects all rights reserved.



REMODEL

## MATTEO'S RESTAURANT T.I.

138 S. Main St. Las Cruces, New Mexico

REVISION DATE

Project no:

0: 19.29 August 2019

MILLWORK SECTIONS

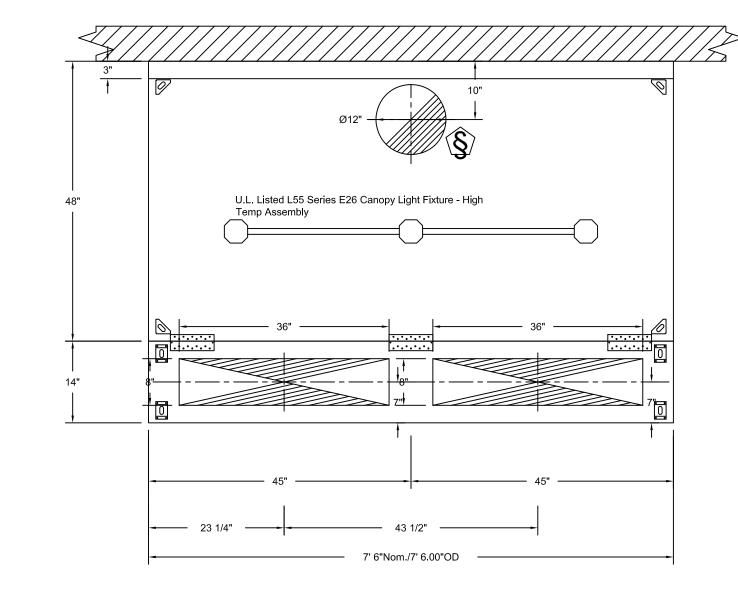
A800

HOOL	) INF	ORMATION	- Job#3	<u>393668.</u>	2													
			,,	MAX.							UST PL				TOTAL		HOOD C	ONFIG.
HOOD	TAG	MODEL	LENGTH	COOKING	APPLIANCE	1	TOTAL		1		RISER(S	<u>5)</u>			SUPPLY	HOOD	END TO	1
NO.	17.0			TEMP.	DUTY	CFM/ft	EXH. CFM	WIDTH	LENG.	HEIGHT	DIA.	CFM	VEL.	S.P.	CFM	CONSTRUCTION	END	ROW
4	121.1.4	4824	71.01	450	N 4 12	187	4400			4"	40"	4400	4700	-0.826"	4000	430 SS	AL ONE	AL ONE
1	KH-1	ND-2-PSP-F	7' 6"	Deg.	Medium	187	1400			4	12"	1400	1783	-0.826	1200	Where Exposed	ALONE	ALONE
	1/11 0	4824	71.01	450	N 4 1"	407	4.400			4"	40"	4.400	4700	0.000	4050	430 SS	AL ONE	AL ONE

<i>H00L</i>	O $INF$	<u>ORMATION</u>															
				FILTER(S	3)			LIGHT(S)					UTILITY CABINET(S)			FIRE	HOOD
HOOD	TAG								WIRE			F	IRE SYSTEM	ELECTRICAL	SWITCHES	SYSTEM	
NO.	170	TYPE	QTY.	HEIGHT	LENGT	H EFFICIENCY @ 7 MICRONS	QTY.	TYPE	GUARD	LOCATION	SIZE	TYPE	SIZE	MODEL#	QUANTITY		WGHT
1	KH-1	Captrate Solo Filter	5	16"	16"	85% See Filter Spec.	3	L55 Series E26	NO							YES	390 LBS
2	KH-2	Captrate Solo Filter	5	16"	16"	85% See Filter Spec.	3	L55 Series E26	NO	Left	12"x48"x24"	Ansul R102	3.0/3.0	SC-221110FP	1 Light	YES	546 LBS

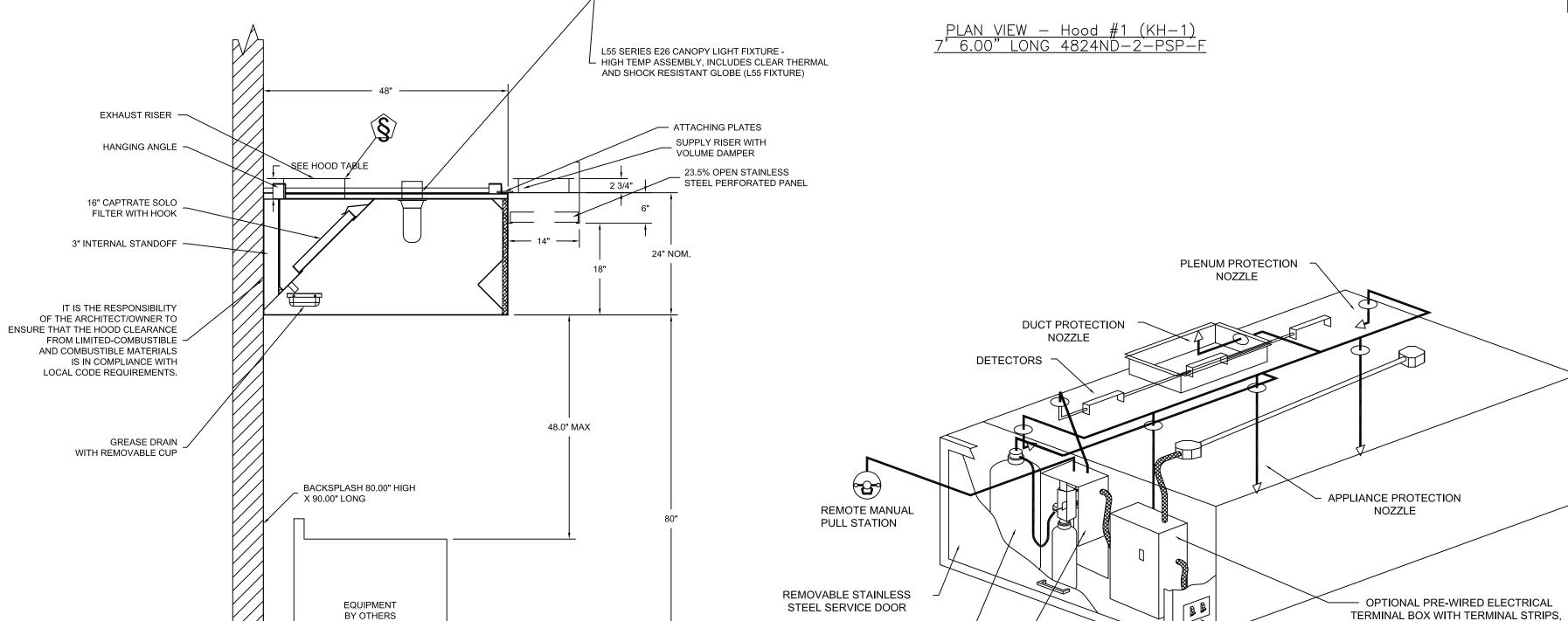
HOOD OPTIONS										
HOOD NO.	TAG	OPTION								
		FIELD WRAPPER 6.00" High Front, Left, Right								
1 1	KH-1	BACKSPLASH 80.00" High X 90.00" Long 430 SS Vertical								
		SENSOR-CV								
		FIELD WRAPPER 18.00" High Front, Left								
		BACKSPLASH 80.00" High X 103.00" Long 430 SS Vertical								
2	KH-2	RIGHT SIDESPLASH 80.00" High X 48.00" Long 430 SS Vertical								
		RIGHT END STANDOFF (FINISHED) 1" Wide 48" Long Insulated								
		SENSOR-CV								

PERF	PERFORATED SUPPLY PLENUM(S)												
							RISER(S)						
HOOD NO.	TAG	POS.	LENGTH	WIDTH	HEIGHT	TYPE	WIDTH	LENG.	DIA.	CFM	S.P.		
1	KH-1	Eront	90"	14"	6"	MUA	8"	36"		600	0.162"		
•	NП-1	Front	90	14	0	MUA	8"	36"		600	0.162"		
2	KH-2	Front	103"	14"	6"	MUA	8"	36"		625	0.175"		
	r\r1 <b>-</b> 2	FIORE	103	14	U	MUA	8"	36"		625	0.175"		



AGENT TANK

OEM RELEASE/ BRACKET ASSEMBLY



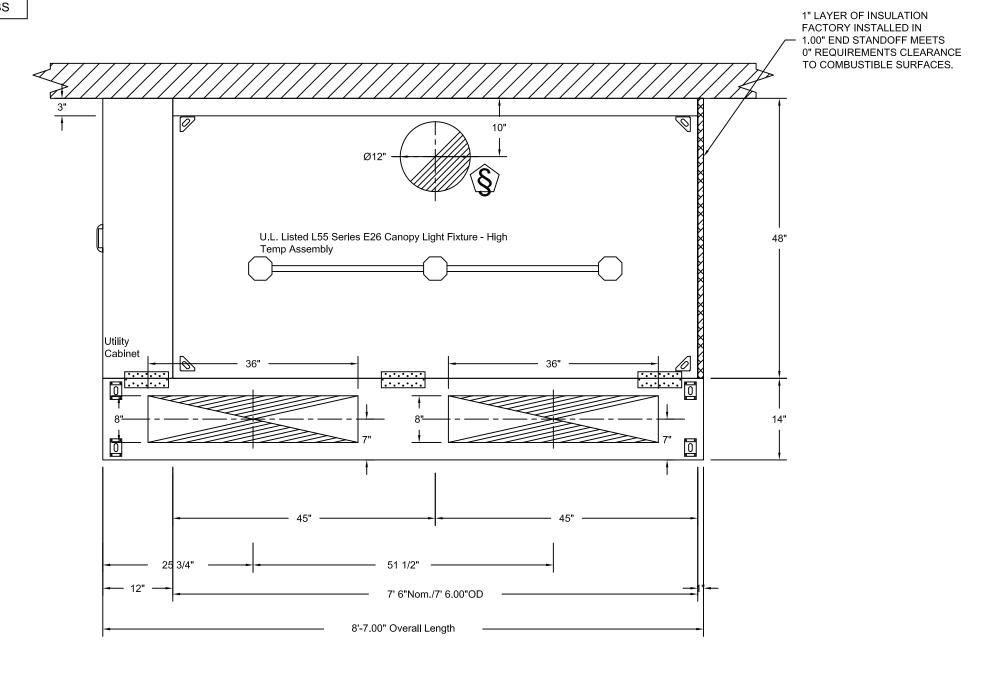
TYPICAL ANSUL R-102 SYSTEM LAYOUT

FAN AND LIGHT CONTROL PANEL

3-PHASE CONTACTORS AND OVERLOADS (IF APPLICABLE)

 $\frac{SECTION\ VIEW\ -\ MODEL\ 4824ND-2-PSP-F}{HOOD\ -\ \#1\ (KH-1)}$ 

 $\frac{SECTION\ VIEW\ -\ MODEL\ 4824ND-2-PSP-F}{HOOD\ -\ \#2\ (KH-2)}$ 



<u>PLAN VIEW — Hood #2 (KH-2)</u> 7'6.00" LONG 4824ND-2-PSP-F

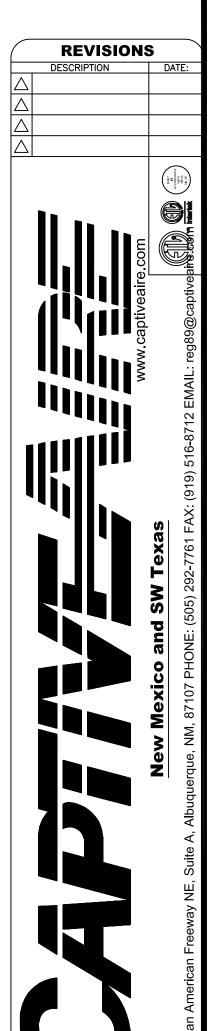
### SPECIFICATIONS

THE RESTAURANT FIRE SUPPRESSION SYSTEM SHALL BE THE PRE-ENGINEERED TYPE WITH A FIXED NOZZLE AGENT DISTRIBUTION NETWORK. IT SHALL BE LISTED WITH UNDERWRITERS LABORATORIES, INC. (UL)

THE SYSTEM SHALL BE CAPABLE OF AUTOMATIC DETECTION AND ACTUATION WITH LOCAL OR REMOTE MANUAL ACTUATION. ACCESSORIES SHALL BE AVAILABLE FOR MECHANICAL OR ELECTRICAL GAS LINE SHUT-OFF APPLICATIONS.

THE EXTINGUISHING AGENT SHALL BE A POTASSIUM CARBONATE, POTASSIUM ACETATE-BASED FORMULATION DESIGNED FOR FLAME KNOCKDOWN AND SECUREMENT OF GREASE RELATED FIRES. IT SHALL BE AVAILABLE IN PLASTIC CONTAINERS WITH INSTRUCTIONS FOR LIQUID AGENT HANDLING AND USAGE.

THE REGULATED RELEASE MECHANISM SHALL BE COMPATIBLE WITH A FUSIBLE LINK DETECTION SYSTEM. THE FUSIBLE LINK SHALL BE SELECTED AND INSTALLED ACCORDING TO THE OPERATING TEMPERATURE IN THE VENTILATING SYSTEM. THE FUSIBLE LINK SHALL BE SUPPORTED BY A DETECTOR BRACKET/LINKAGE ASSEMBLY.



Studio D Architects

509 S. Main Studio d Las Cruces, NM 88001 PH 575.521.3757 FAX 575.521.3880

www.studio-d.biz
copyright Studio d Architects



19-192

SE A. MORALES

PROFESSIONE

OR 26 10

REMODEL

MATTEO'S RESTAURANT T.I.

138 S. Main St. Las Cruces, New Mexico

REVISION DATE

DWG.#: 3936682 DRAWN BY:

8800

Ž Ž

CRUCES,

S

Las

Matteo's

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

**DATE:** 8/23/2019

MASTER DRAWING

SHEET NO.

Project no: 19.29
Date: August 2019
Sheet: HOOD
DETAILS

K100

#### EXHAUST FAN INFORMATION - Job#3936682

		1 111	110000										
FAN UNIT NO.	TAG	FAN UNIT MODEL#	CFM	ESP.	RPM	H.P.	B.H.P.	Ø	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS.)	SONES
1	KEF-1	DU85HFA	1400	1.100	1247	1.000	0.3840	1	208	6.1	443 FPM	92	13.4
2	KEF-2	DU85HFA	1400	1.100	1247	1.000	0.3840	1	208	6.1	443 FPM	92	13.4

#### MUA FAN INFORMATION - Job#3936682

FAN UNIT TAG NO.	FAN UNIT MODEL#	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP.	RPM	H.P.	B.H.P.	Ø	VOLT	FLA	EVAP COOLER ENTERING DB TEMP.	EVAP COOLER ENTERING WB TEMP.	EVAP COOLER LEAVING DB TEMP.	EVAP COOLER LEAVING WB TEMP.	WEIGHT (LBS.)	SONES	BURNER EFFICIENCY(%)
3 MAU-1	A2-D.250-20D	20MF-2-MOD	A2-D.250	2000	2450	0.500	1141	1.500	0.8190	1	208	8.4	95.0°F	65.0°F	74.0°F	65.0°F	1093	9.5	92

### GAS FIRED MAKE-UP AIR UNIT(S)

FAN UNIT NO.	TAG	INPUT BTUs	OUTPUT BTUs	TEMP. RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE	
3	MAU-1	156477	143959	55 deg F	7 in. w.c 14 in. w.c.	Natural	

#### FAN OPTIONS

IAIV	OPIIOI	۸۵
FAN UNIT NO.	TAG	OPTION (Qty Descr.)
		1 - Grease Box
1	KEF-1	1 - ECM Wiring Package-Exhaust - Manual or 0-10VDC Reference Speed Control (NIDEC Motor)
		1 - Grease Box
2	KEF-2	1 - ECM Wiring Package-Exhaust - Manual or 0-10VDC Reference Speed Control (NIDEC Motor)
		1 - AC Interlock Relay - 24VAC Coil
		1 - Motorized Backdraft Damper for A2-D Housing
		1 - Low Fire Start
		1 - Inlet Pressure Gauge, 0-35"
3	MAU-1	1 - Manifold Pressure Gauge, -5 to 15" wc
		1 - VAV Package w/ Manual Control (VFD Included)
		1 - Size 2 Direct Fired Heater Low CFM Profile Package. Used on Heaters under 2500 cfm.
		1 - VFD factory mounted and wired in commercial control vestibule for tempered supply fan.

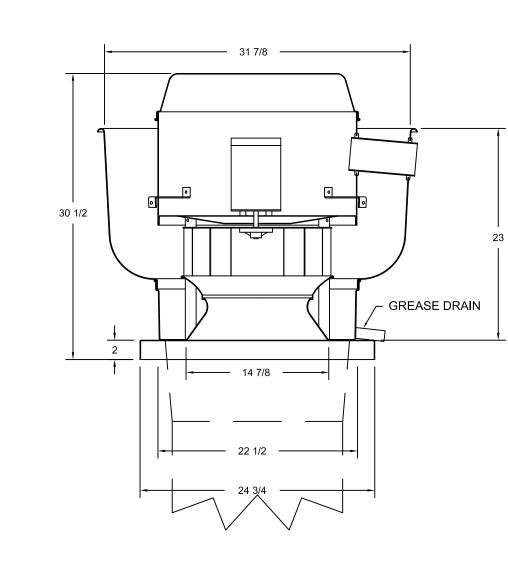
#### FAN ACCESSORIES

FAN UNIT	TAG		EXHAUST		SUPPLY							
NO.	IAG	GREASE CUP		WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT				
1	KEF-1	YES										
2	KEF-2	YES										
3	MAU-1						YES					

#### CURB ASSEMBLIES

NO.	ON FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	KEF-1	36 LBS	Curb	23.000"W x 23.000"L x 20.000"H Vented Hinged
2	# 2	KEF-2	36 LBS	Curb	23.000"W x 23.000"L x 20.000"H Vented Hinged
3	# 3	MAU-1	117 LBS	Curb	31.000"W x 79.000"L x 20.000"H Insulated
	# 3			Rail	4.000"W x 4.000"L x 36.000"H

#### FANS #1 (KEF-1), #2 (KEF-2) - DU85HFA EXHAUST FAN



18 3/4"

6 1/8"

#### FEATURES:

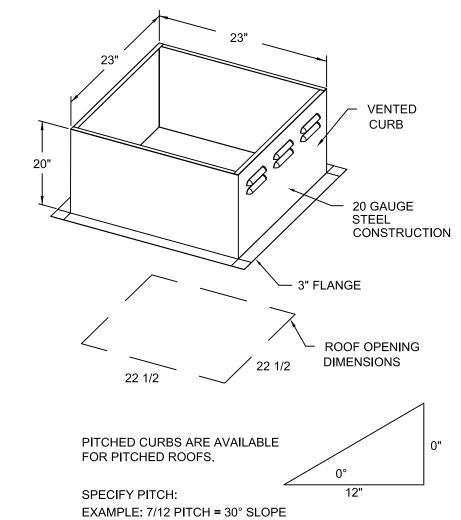
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS) - ROOF MOUNTED FANS - RESTAURANT MODEL - UL705 AND UL762 AND ULC-S645 - VARIABLE SPEED CONTROL - INTERNAL WIRING - WEATHERPROOF DISCONNECT - THERMAL OVERLOAD PROTECTION (SINGLE PHASE) - HIGH HEAT OPERATION 300°F (149°C) - GREASE CLASSIFICATION TESTING NORMAL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

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>

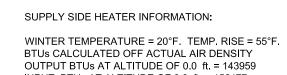
ECM WIRING PACKAGE-EXHAUST - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL

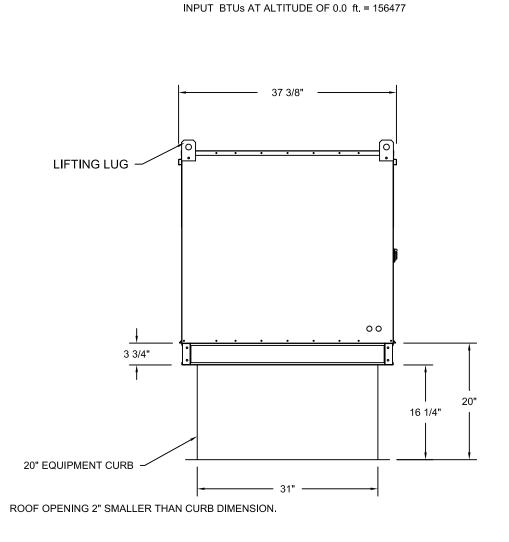


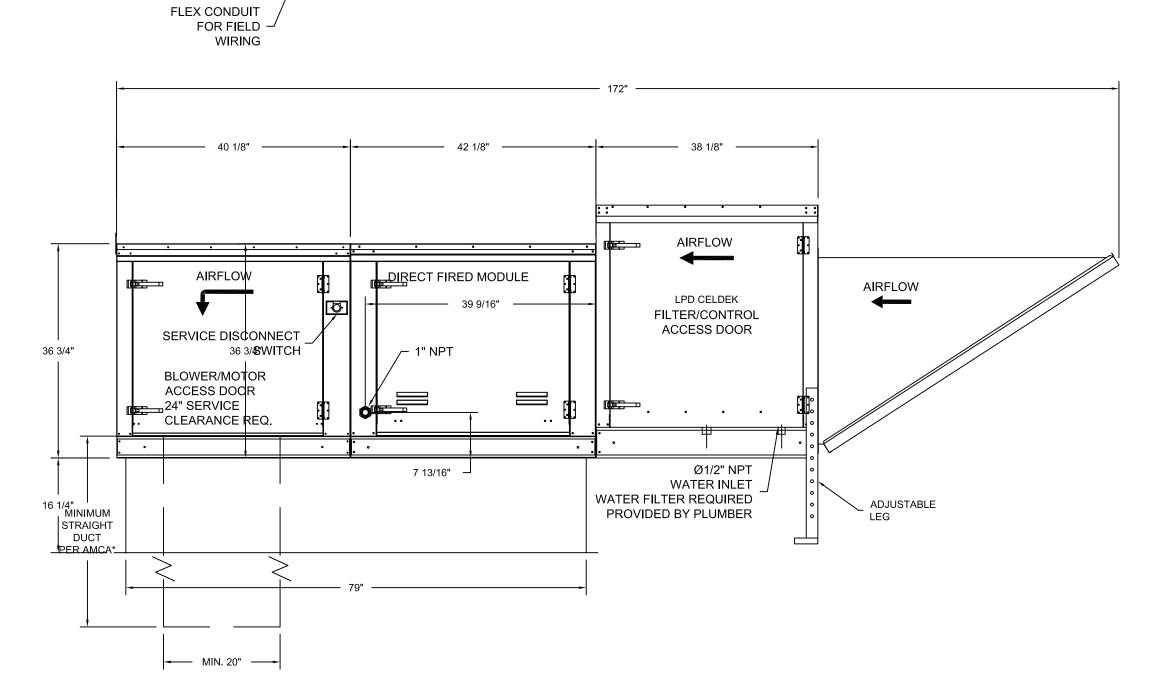


AIRFLOW





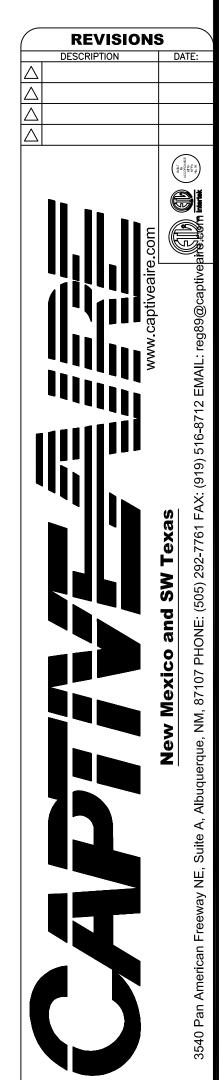




Ø1 1/2" WATER -DRAIN

AIRFLOW

4 1/2"



LAS CRUCES, NM,

**DATE:** 8/8/2019

DWG.#:

3936682

SCALE:

**MASTER DRAWING** 

SHEET NO.

Matteo's Las

DRAWN BY:

509 S. Main Studio d Las Cruces, NM 88001 PH 575.521.3757 FAX 575.521.3880

www.studio-d.biz





REMODEL

Las Cruces, New Mexico

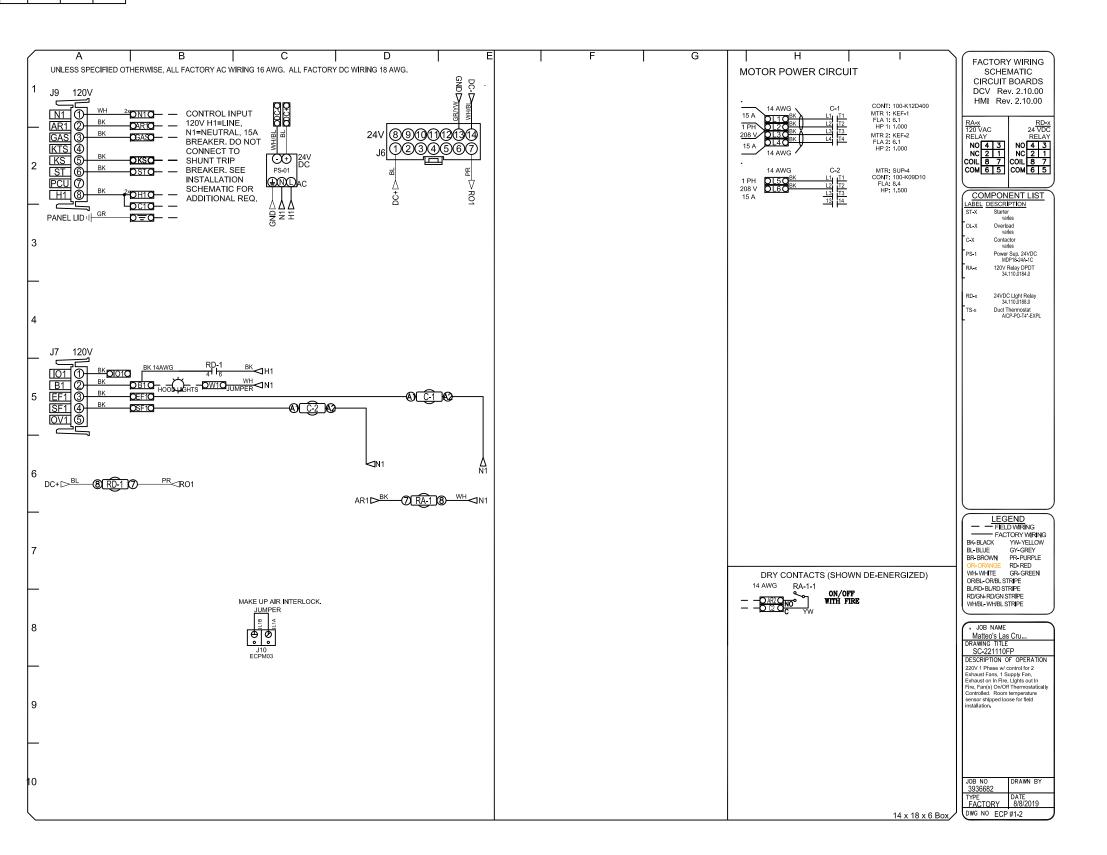
REVISION DATE

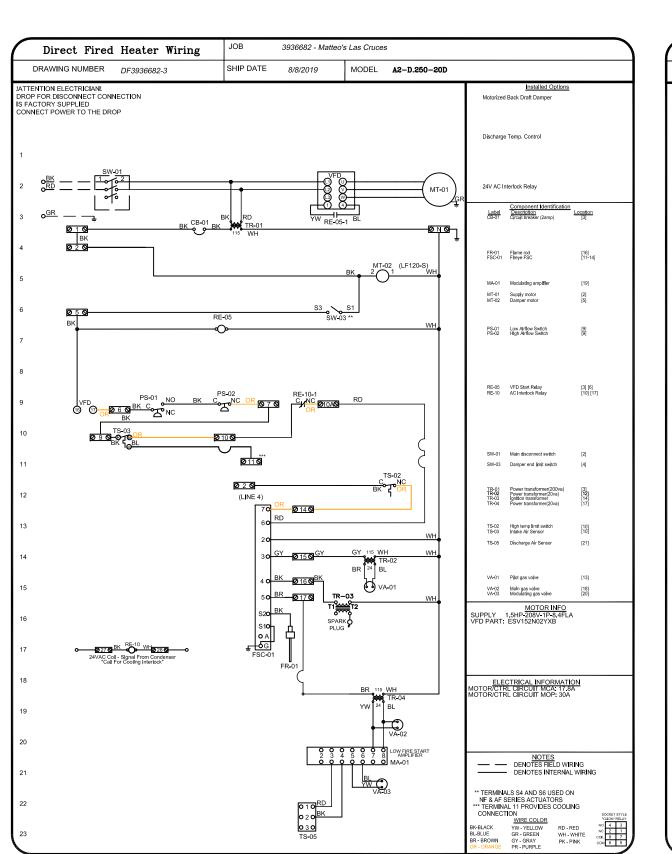
19.29 Project no: August 2019 Date: 3/4" = 1'-0"

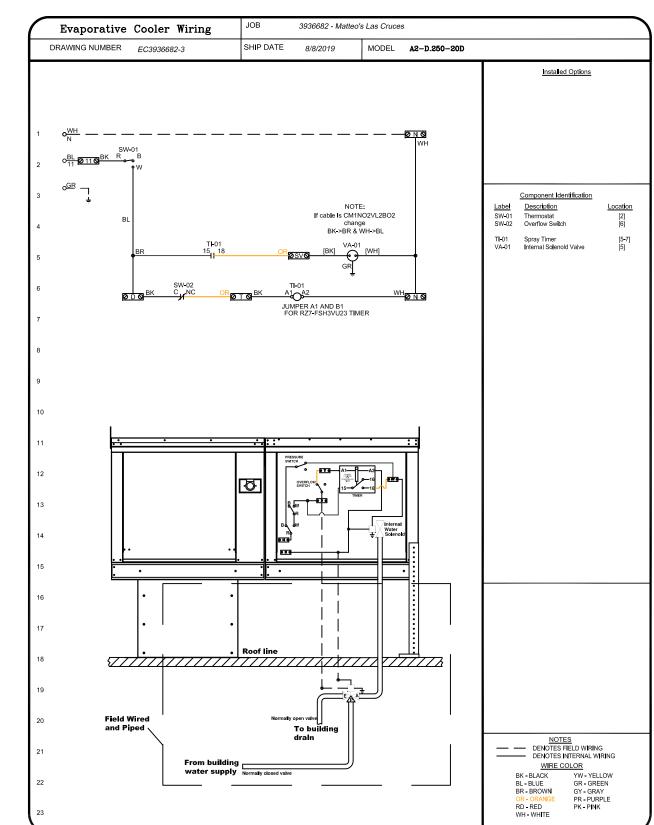
MUA DETAILS

1	LE	CTRICAL	PACKAGE -	- Job#3936682											
NO. TAG		TAG	PACKAGE#	 LOCATION	SWITCH	HES	OPTION	FANS CONTROLLED							
					LOCATION	QUANTITY		FAN TAG	TYPE	ф	H.P.	VOLT	FLA		
					03 - Utility Cabinet Left	1 Light		KEF-1	Exhaust	1	1.000	208	6.1		
	1 SC-2211	SC-221110FP	Utility Cabinet Left			Smart Controls Thermostatic Control	KEF-2	Exhaust	1	1.000	208	6.1			
					Hood # 2	1 Fan			Supply	1	1.500	208	8.4		

JOB NO	MODEL NUMBER SC-221110FP		DRAWN BY	SCHEMATIC TYPE INSTALL	DESCRIPTION OF OPERATION: 220V 1 Phase w/ control for 2 Exhaust Fans, 1 Supply Fan, Exhaust on In Fire, Lights out In Fire, Fan(s) On/Off Thermostatically Controlled. Room temperature sensor
3936682	JOB NAME Matteo's Las Cruces		DATE 8/8/2019	DWG NO ECP #1-1	shipped loose for field installation.
1 2 BREAKER PANEL TO PRIMARY Responsibility: Electr BREAKER SIZE SHOWN IS THE MA  BREAKER PANEL  4 BREAKER 1PH 120 V 15 A CONTROL POWER. DO NOT TO GFCI OR SHUNT TRIP BF 1ST HOOD LIGHT BREAKER SHARED W POWER. SWITCH #1  7 BREAKER 1PH 208 V MCA1: 7.6 A MCCP1: 15 A  BREAKER 1PH 208 V MCA1: 7.6 A MCCP1: 15 A  BREAKER 1PH 208 V MCA1: 7.6 A MCCP1: 15 A  BREAKER 1PH 208 V MCA1: 7.6 A MCCP1: 15 A	CONTROL PANEL ician AXIMUM ALLOWED PRIMARY CONTROL PANEL ONTO Ground WIRE WIRE REAKER.	CONTROL PANEL  TO FIRE SYSTEM OARTO MICROSWITCH  IF MORE THAN ONE FIRE SYSTEM, WIRE IN SERIES AS SHOWN  CONTROL PANEL  ALL  ALL  ALL  ALL  ALL  ALL  ALL	ANEL TO ACCES esponsibility: Electric esponsibility: E	SSORY ITEMS ian  COMPC MICROSW  1:C O DSED (2).  MS-1  MS-2  L:C O O	SWITCH
MCA2: 7.6 A 10 MCA2: 7.6 A MOCP2: 15 A  11 BREAKER 1PH 208 V MCA: 10.5 A MOCP: 15 A  13 SUP-4	LEG 1 LEG 2 LEG 2 D L6 O Ground	CONTROL PANEL DB10 TO W10 HOOD LIGHTS GNIDO 1400 W MAX CONTROL PANEL T1AO TO T1BO WF SENSOR	RE TO J-BOX ON TOP OF H RE TO CONTROL BOARD. I NSOR IN ROOM AWAY FRO URCES, DO NOT INSTALL : ITHE CELLING GRID, SEE M	NSTALL ROOM OM HEAT SENSOR	GHTS 1
14 CONTROL PANEL TO Responsibility: Electr		CONTROL PANEL T2AC TO T2BC FAC CAPTURE VOLUME SEN	CTORY WIRED TEMPERAT NSOR. MOUNTED IN HOOD LUME.	URE HO	OD 2 TURE 1
16	FLA: 6.1   HP: 1.000   VOLT: 208 V   WRE TO   DISCONNECT	CAPTURE VOLUME SEN	RE TO CONTROL BOARD.  NSOR MOUNTED IN HOOD LUME.	— — <del>но</del>	<b>Z</b> 1
18	I I	CONTROL PANEL OSTO SIGNAL FOR EXTERNAL SHUNT TRIP  CONTROL PANEL OCZO SPARE FIRE OARZO SYSTEM DRY CONTACT BUIL BEIL BEIL BEIL BEIL BEIL BEIL BEIL BE	NEUTRAL FROM T TERMINAL IS ENERGIZ I FIRE CONDITION.	T BE JOBSITE NS SHUNT COIL SHUNT COIL ZED  COMMON MALLY OPEN E C2 TO D. THEY MENT FOR H MUST ANSUL	COIL
24			NITOUL AUTOMAN)		l 







/ISIONS		Studio D Architects
TION	DATE:	509 S. Main Studio d Las Cruces, NM 88001
		PH 575.521.3757
	BUALT FINANCE MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MITTAN MI	FAX 575.521.3880 www.studio-d.biz
1 .		copyright Studio d Architects all rights reserved.
.captiveaire.com	g89@captivearing	RAXISENGINEERING
· · · · · · · · · · · · ·	)866	15-152

New Mexico and SW To

REMODEL

MATTEO'S RESTAURANT T.I.

138 S. Main St. Las Cruces, New Mexico

REVISION

TE VISION

DWG.#:
3936682
WN
BY:
Project no:

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

**DATE:** 8/8/2019

LAS CRUCES, NM, 88001

Matteo's Las Cruces

MASTER DRAWING

SHEET NO.

ELECTRICAL PACKAGE

K300

August 2019

DATE

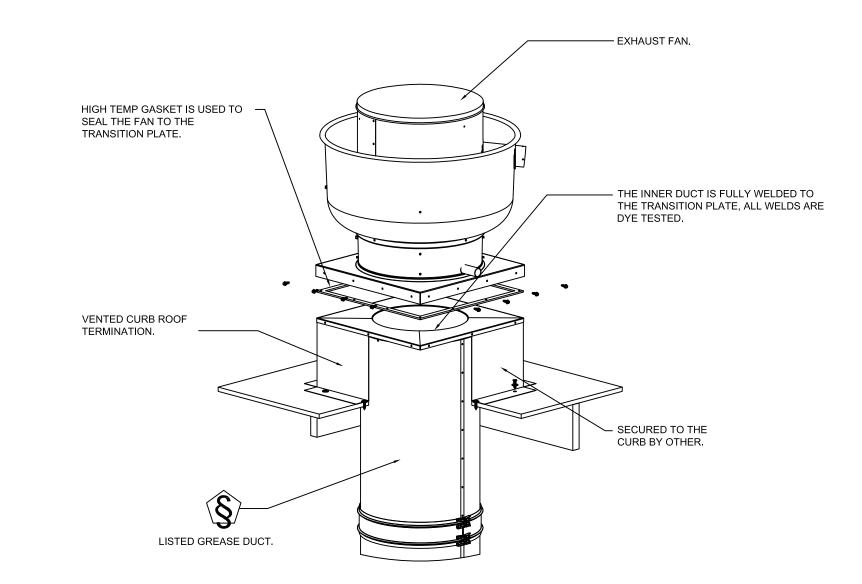
© GREASE DUCT & CHIMNEY SPECIFICATIONS:

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

PROVIDE RATED ACCESS DOORS AT EVERY CHANGE IN DIRECTION AND EVERY 12' ON CENTER. PER MANUFACTURES LISTING MODEL "DW" HORIZONTAL RUNS LESS THAN 75 FT. CAN BE SLOPED 1/16" PER 12", HORIZONTAL RUNS MORE THAN 75 FT. CAN BE SLOPED 3/16" PER 12".

DUCT SHOULD BE SLOPED AS MUCH AS POSSIBLE TO REDUCE THE CHANCE OF GREASE ACCUMULATION IN HORIZONTAL RUNS.

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

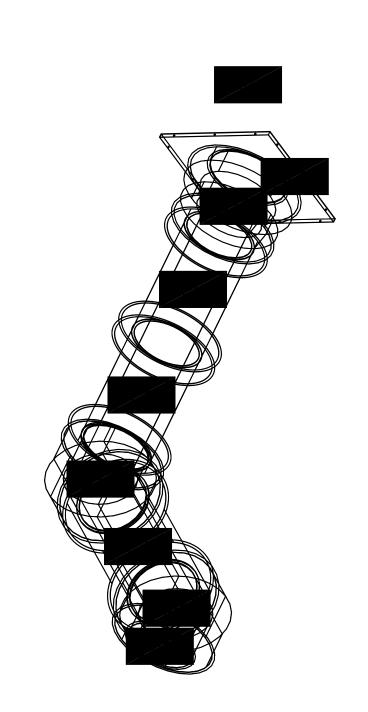


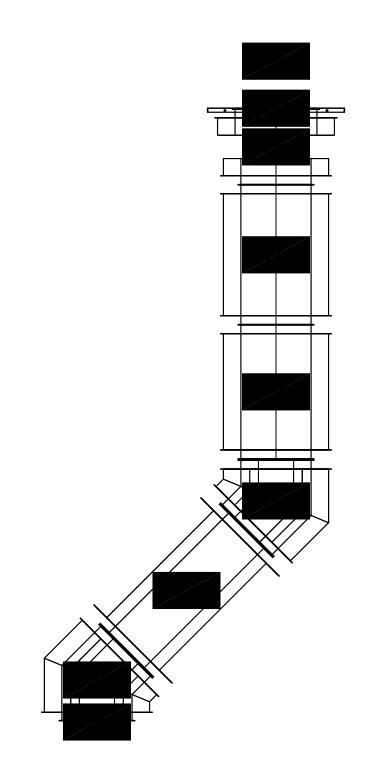
DuctWork #1 SE View
KH-1 Duct Estimated Layout

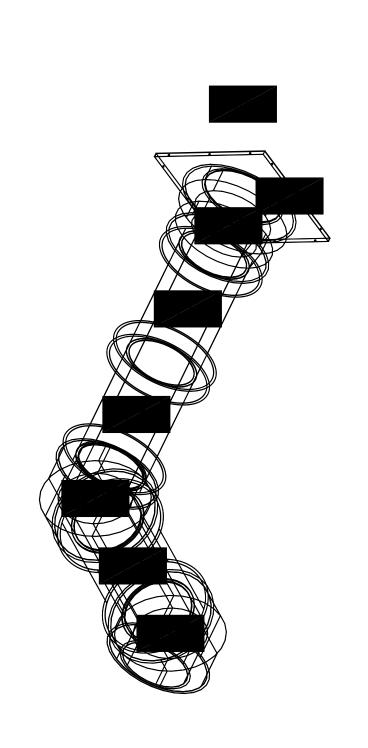
DuctWork #1 Side View KH-1 Duct Estimated Layout

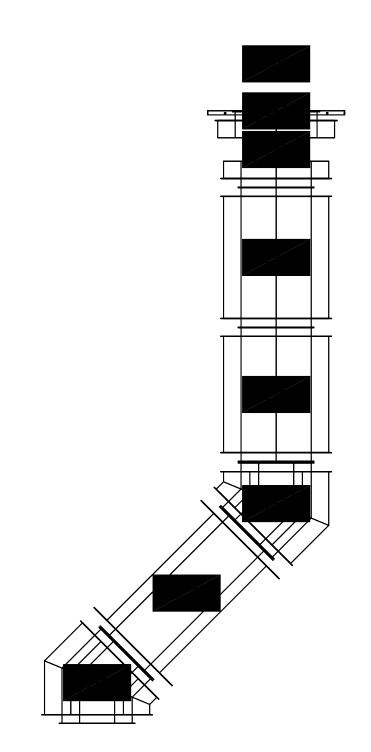
DuctWork #2 SE View KH-2 Duct Estimated Layout

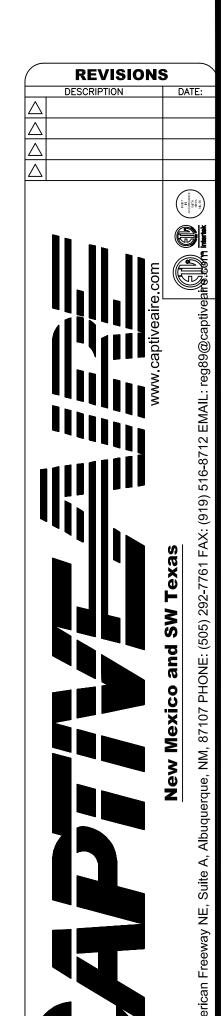
DuctWork #2 Side View KH-2 Duct Estimated Layout













509 S. Main Studio d Las Cruces, NM 88001 PH 575.521.3757 FAX 575.521.3880

copyright Studio d Architects all rights reserved.





REMODEL

MATTEO'S RESTAURANT T.I.

138 S. Main St. Las Cruces, New Mexico

REVISION

AS CRUCES, NM, 88001

**DATE:** 8/8/2019 **DWG.#:**3936682

Matteo's Las Cruces

DRAWN BY:

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

MASTER DRAWING

SHEET NO.

roject no: 19.29 August 2019

GREASE DUCT & CHIMNEY

K400

## MECHANICAL SYMBOLS AND ABBREVIATIONS

[SOME SYMBOLS MAY NOT BE USED ON THIS PROJECT]

### GENERAL DUCTWORK SYMBOLS SYMBOL DESCRIPTION ROUND DUCT SECTION 12" DIA. ROUND DUCT SUPPLY SECTION, POSITIVE PRESS. EXH., RET., O.A., DUCT SECTION NEGATIVE PRES. DUCTWORK, FIRST NO. IS VISIBLE DIM. FLEXIBLE CONNECTION (DUCT) 4111111111111 FLEXIBLE DUCT BRANCH DUCT WITH VOLUME DAMPER <u> ////////</u> SIDEWALL REGISTER VANED ELBOW (PROVIDE ALL SQUARE ELBOWS W/VANES EVEN IF SYMBOL IS MISSING). PBD DAMPER, TYPIE INDICATED (OBD, PBD, FD, BD) WALL LOUVER SUPPLY AIR DIFFUSER RETURN AIR GRILLE EXHAUST GRILLE LINEAR SUPPLY AIR DEVICE LINEAR AIR RETURN DEVICE

## DRAWING SYMBOLS

SYMBOL	DESCRIPTION
5-TON CU-1	EQUIPMENT MARK NUMBER — 5—TON, CU—1
⟨2⟩	KEYED NOTE 2
A,6ø 150	TYPE 'A' AIR DEVICE, 150 CFM W/ 6ø NECK. WHEN NOT INDICATED ON DRAWING REFER TO SCHEDULE

_S
TE E
)

DESCRIPTION

CHILLED WATER RETURN

CHILLED WATER SUPPLY

REFRIGERANT SUCTION

REFRIGERANT DISCHARGE

PUMPED CONDENSATE DRAIN

REFRIGERANT LIQUID

MAKE-UP WATER

CONDENSATE DRAIN

CHILLED/HEATING WATER RETURN

CHILLED/HEATING WATER SUPPLY

SYMBOL

——CHWR ——

----CHWS----

—— RL ——

—— RS ——

—— CD ——

——PCD——

CON	TROLS
SYMBOL	DESCRIPTION
① <sub>x</sub> T <sub>x</sub>	THERMOSTAT SERVING ZONE X  TEMPERATURE SENSOR SERVING ZONE X
©x	MISC. CONTROL SERVING ZONE X REFER TO KEYED NOTES FOR MORE INFORMATION

ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
ABV AC A/C ACCH AD	ABOVE ABOVE CEILING AIR CONDITIONED AIR COOLED CHILLER ACCESS DOOR	MAX MD MECH MIN MS	MAXIMUM MANUAL DAMPER MECHANICAL MINIMUM MOTOR STARTER
AF AFF AFMS AHU AMCA	AIR FOIL ABOVE FINISHED FLOOR AIR FLOW MEASURING STATION AIR HANDLING UNIT AIR MOVING AND CONDITIONING ASSOCIATION INC. ACCESS PANEL	NA NC NIC NO NTS	NOT APPLICABLE NORMALLY CLOSED NOT IN CONTRACT NORMALLY OPEN NOT TO SCALE
APPROX ARCH ARI ANSI	APPROXIMATE ARCHITECTURAL AIR CONDITIONING REFRIGERATION INSTITUTE AMERICAN NATIONAL STANDARD INSTITUTE	OA OAH OBD OC	OUTSIDE AIR OUTSIDE AIR INTAKE HOOD OPPOSED BLADE DAMPER ON CENTER
AS ASME ASTM AV	AIR SEPARATOR AMERICAN SOCIETY OF MECHANICAL ENGINEERING AMERICAN SOCIETY FOR TESTING MATERIALS AUTOMATIC AIR VENT ASSEMBLY BOILER	PBD PCHP PRESS PSIG PHL	PARALLEL BLADE DAMPER PRIMARY CHILLED WATER PUMP PRESSURE REDUCING VALVE POUNDS PER SQUARE INCH (GAUGE) PRESSURE HIGH LIMIT
BD BHP BI BLDG BOD BOP BSMT BTU	BACKDRAFT DAMPER BRAKE HORSEPOWER BACKWARD INCLINED BUILDING BOTTOM OF DUCT BOTTOM OF PIPE BASMENT BRITISH THERMAL UNIT  CONDENSATE DRAIN PUMP	R-22 RA RE: 4M7.01 RET RG RH RHD RPM RTU	REFRIGERANT (TYPE AS NOTED) RETURN AIR REFER TO: DETAIL 4, SHEET M7.01 RETURN RETURN GRILLE RELATIVE HUMIDITY RELIEF HOOD RPM ROOF TOP UINT
CFM CHP CLG CMP CO COND CONN CONT CP CT	CUBIC FEET PER MINUTE CHILLED WATER PUMP CEILING CONDENSER WATER PUMP CLEANOUT CONDENSATE CONNECTION CONTINUATION CONTROLLABLE PITCH COOLING TOWER CONDENSING UNIT	SA SCH SCHP SD SEC SF STD STL SW	SUPPLY AIR SCHEDULE SECONDARY CHILLED WATER PUMP SMOKE DAMPER SECOND SUPPLY FAN STANDARD STEEL SWITCH
CW Q D DB DCP DG DIFF	COLD WATER CENTER LINE  DRAIN DRY BULB DATA COLLECTION PANEL DOOR GRILLE DIFFUSER	TEMP THL TLL TSTAT TU TXV TYP	TEMPERATURE TEMPERATURE HIGH LIMIT TEMPERATURE LOW LIMIT THERMOSTAT TERMINAL UNIT THERMOSTATIC EXPANSION VALVE TYPICAL
DN DWG DX	DOWN DRAWING DIRECT EXPANSION	UF UH UL	UNDER FLOOR UNIT HEATER UNDERWRITER'S LABORATORIES
EA EAT EDH EG EF ELEC ELEV ENT EQUIP ER ESP ET EWT EXH	EACH ENTERING AIR TEMPERATURE ELECTRIC DUCT HEATER EXHAUST GRILLE EXAUST FAN ELECTRICAL ELEVATION ENTERING EQUIPMENT EXHAUST REGISTER EXTERNAL STATIC PRESSURE EXPANSION/COMPRESSION TANK ENTERING WATER TEMPERATURE EXHAUST	V-12 VAV VB VD VEL VENT VF VFD VOL VOLT	CONTROL VALVE NUMBER VARIABLE AIR VOLUM VALVE BOX VOLUME DAMPER VELOCITY VENTILATE VENTILATE VENTILATION FAN VARIABLE FREQUENCY DRIVE VOLUME VOLTAGE WIDE, WIDTH WITH
EXIST  F FC FD FLEX FLG FLR FM FO FPM FT FS FSD	EXISTING  DEGREES FAHRENHEIT FAN COIL FIRE DAMPER FLEXIBLE FLANGE FLOOR FACTORY MUTUAL FLAT OVAL DUCT FEET PER MINUTE FEET, FOOT FLOW SWITCH FIRE SMOKE DAMPER	W/O WB	WITHOUT WET BULB
GAL GALV GPM	GALLON GALVANIZED GALLONS PER MINUTE		
HB HP HR H H HVAC HWP HZ	HOSE BIBB HORSE POWER HOUR HIGH, HEIGHT HEATING/VENTILATING/ AIR CONDITIONING HOT WATER PUMP HERTZ		
ID IE IH IN INSUL IN WG	INSIDE DIAMETER INVERT ELEVATION (FLOW LINE) INTAKE HOOD INCHES INSULATION INCHES OF WATER		
KW L LAT LVR	KILOWATT(S)  LONG, LENGTH  LEAVING AIR TEMPERATURE  LOUVER		

## MECHANICAL GENERAL NOTES

- 1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES AND STANDARDS.

  CRAFTSMANSHIP AND MATERIAL SHALL BE OF THE HIGHEST QUALITY.
- 2. THE CONTRACTOR SHALL REVIEW THE CONTRACT DOCUMENTS FULLY PRIOR TO THE SUBMITTAL PHASE OF THE PROJECT. CONFLICTS WITHIN AND BETWEEN THE CONTRACT DOCUMENTS SHALL BE NOTED IN WRITING TO THE ENGINEER PRIOR TO SUBMITTING DATA SHEETS FOR REVIEW.
- 3. NOTE: FOR THE PURPOSE OF CLEARNESS AND LEGIBILITY, THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND ALTHOUGH SIZES AND LOCATIONS OF EQUIPMENT ARE DRAWN TO SCALE WHEREVER POSSIBLE, THE CONTRACTOR SHALL MAKE USE OF ALL DATA IN ALL OF THE CONTRACT DOCUMENTS AND VERIFY THIS INFORMATION PRIOR TO ORDERING, FABRICATING OR INSTALLING ANY MATERIALS.
- 4. THE MECHANICAL CONTRACTOR SHALL PROVIDE COMPLETE INFORMATION TO, AND COOPERATE WITH, THE OTHER CONTRACTORS AND TRADES AS REQUIRED FOR THE COMPLETION AND COORDINATION OF THE COMPLETE PROJECT. ANY CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE PRIME CONTRACTOR, ENGINEER AND, AS NECESSARY, THE OWNER.
- 5. THE GENERAL CONTRACTOR SHALL MAINTAIN, ON A DAILY BASIS AT THE PROJECT SITE, A COMPLETE SET OF RECORD DRAWINGS
  REFLECTING THE PRECISE LOCATION OF CONCEALED EQUIPMENT, EMBEDDED PIPING, VALVES, PIPE RE—ROUTES, AND ALL CHANGES
  OR DEVIATIONS IN THE MECHANICAL WORK FROM THAT SHOWN ON THE CONTRACT DRAWINGS.
- 6. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ADMINISTERING ALL WARRANTIES ON EQUIPMENT WHICH THEY FURNISH AND INSTALL.

  7. THE MECHANICAL CONTRACTOR SHALL PROVIDE A WRITTEN WARRANTY TO REPLACE ALL FAULTY MATERIALS AND/OR LABOR, AT
- NO COST TO TENANT, FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE BY THE OWNER. WARRANTIES SHALL BEGIN ON THE DATE OF SUBSTANTIAL COMPLETION.

  8. THE MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES FOR ALL REQUIRED
- OPENINGS AND PENETRATIONS. ALL REQUIRED OPENINGS IN FOUNDATIONS, FLOORS, WALLS AND ROOF SHALL BE CONSTRUCTED INTO THE STRUCTURE WITH THE USE OF SLEEVES, CURBS, ETC. CUTTING AND PATCHING SHALL BE HELD TO A MINIMUM.

  9. ALL ITEMS PROJECTING THROUGH THE ROOF SHALL BE FLASHED THROUGH CURBS OR PIPE SEALS A MINIMUM OF 12" ABOVE THE
- ROOF. THE PIPE CURBS AND SEALS SHALL BE INSTALLED BY THE ROOFING CONTRACTOR. ENSURE THAT AMPLE BOOT OPENINGS
  ARE PROVIDED TO ACCOMMODATE ANY ELECTRICAL CONDUIT PENETRATIONS AS REQUIRED FOR POWER.

  10. ROOF CURBS FOR EXHAUST FANS SHALL BE PER DETAILS SECTION, AND FURNISHED WITH THE FAN BASE, HOOD, AND FAN
  PACKAGE. THE GENERAL CONTRACTOR SHALL FLASH ROOF CURBS AND SHIM DEAD LEVEL. COORDINATE EXACT SIZE AND LOCATION
- OF ROOF OPENINGS WITH THE STRUCTURAL FRAMING. CUTTING OF STRUCTURAL MEMBERS IS NOT PERMITTED.

  11. ROOF CURBS FOR ROOFTOP UNITS SHALL BE FACTORY FABRICATED OF GALVANIZED STEEL CONSTRUCTION WITH WOOD NAILER, AND FURNISHED WITH THE HVAC EQUIPMENT PACKAGE. VERIFY REQUIREMENTS FOR THE ROOF CURBS WITH THE EQUIPMENT SUPPLIER.
- THE GENERAL CONTRACTOR SHALL FIELD ASSEMBLE THE ROOF CURBS, FLASH AND SHIM DEAD LEVEL. COORDINATE EXACT SIZE AND LOCATION OF ROOF OPENINGS WITH THE STRUCTURAL FRAMING. CUTTING OF STRUCTURAL MEMBERS IS NOT PERMITTED.

  12. ALL OUTDOOR AIR INTAKES BY MECHANICAL EQUIPMENT SHALL HAVE A MINIMUM 10'-0" HORIZONTAL CLEARANCE FROM THE
- DISCHARGE OF ANY EXHAUST FAN, COMBUSTION EXHAUST OR PLUMBING VENT.

  13. GUARDS SHALL BE PROVIDED WHERE APPLIANCES, EQUIPMENT, FANS OR OTHER COMPONENTS THAT REQUIRE SERVICE AND ROOF HATCH OPENING ARE LOCATED WITHIN 10' OF A ROOF EDGE OR OPEN SIDE OF A WALKING SURFACE AND SUCH EDGE OR OPEN SIDE IS LOCATED MORE THAN 30 INCHES ABOVE THE FLOOR, ROOF OR GRADE BELOW.
- 14. THE MECHANICAL CONTRACTOR SHALL COORDINATE THE INSTALLATION AND FINISH OF ALL SUPPLY AND RETURN AIR DEVICES WITH
  THE ARCHITECT. ALL INTERIOR FACES OF DUCTWORK BEHIND RETURN AIR GRILLES SHALL BE PAINTED FLAT BACK FOR LINE OF
- SIGHT.

  15. THE MECHANICAL CONTRACTOR SHALL COORDINATE ALL DUCT AND DIFFUSER LOCATIONS WITH LIGHT FIXTURES AS WELL AS SPRINKLER PIPING AND HEADS (WHERE INCLUDED IN THE PROJECT) FOR A COMPLETE INSTALLATION. WHERE THE ALTERATION OF
- DUCT SIZES ARE NECESSARY, MAINTAIN CROSS—SECTIONAL AREAS.

  16. SUPPLY, RETURN AND RESTROOM EXHAUST DUCT CONSTRUCTION SHALL BE GALVANIZED STEEL. ANY REQUIRED GAUGES, SWAY BRACING AND SUSPENSION SHALL CONFORM TO SMACNA STANDARDS. SEAL ALL SEAMS AND JOINTS AIR AND WATERTIGHT.
- FLEXIBLE ALUMINUM DUCTWORK OR FIBERGLASS DUCTBOARD CAN BE ALLOWED WITH ENGINEER'S PRIOR APPROVAL.

  17. ALL RECTANGULAR, ROUND, AND FLEXIBLE DUCTWORK SHALL BE SIZED WITH CLEAR INSIDE DIMENSIONS AS SHOWN ON THESE DRAWINGS; AND SHALL BE FABRICATED AND INSTALLED ACCORDING TO THE MOST RECENTLY PUBLISHED SMACNA STANDARDS. ALL
- JOINTS, SEAMS, AND CONNECTIONS MUST BE SECURELY FASTENED & SEALED.

  18. ALL HVAC SUPPLY AND RETURN CONCEALED DUCTWORK TO BE EXTERNALLY WRAPPED AND SECURED WITH MINIMUM R-5.0, 2"
  INSULATION WITH VAPOR BARRIER PER APPLICABLE MECHANICAL CODES, WITH LOCAL JURISDICTION CODE AMENDMENTS. INSULATION
  SHALL HAVE MAXIMUM RATINGS OF 25 FLAME SPREAD, 50 SMOKE DEVELOPED.
- AIR DEVICE SIZES SHOWN ON SCHEDULES ARE NECK SIZES.
   BOTTOM OF DUCT ELEVATION INDICATED ON THE DRAWING INDICATES THE APPROXIMATE HEIGHT ABOVE FINISHED FLOOR LEVEL TO
  THE UNDERSIDE OF THE DUCT. THIS INFORMATION IS PROVIDED AS AN AID TO COORDINATION. THE CONTRACTOR SHALL VERIFY ALL
- DIMENSIONS ON SITE.

  21. KEEP DUCTWORK AND PIPING INTERIOR CLEAN AND FREE OF DEBRIS THROUGHOUT THE PROJECT. CAP ALL PIPING AND DUCTWORK
- EXPOSED TO THE ELEMENTS.

  22. DO NOT COVER ANY MECHANICAL OR PLUMBING WORK IN WALLS, ABOVE CEILINGS, ETC. PRIOR TO REQUESTING OBSERVATION BY THE ENGINEER. ALL WORK COVERED WITHOUT OBSERVATION BY THE ENGINEER SHALL BE UNCOVERED FOR OBSERVATION.
- 23. PROVIDE VIBRATION ISOLATION DEVICES AND FLEXIBLE DUCT/ PIPING CONNECTIONS TO ALL MOVING MACHINERY NOT INTERNALLY ISOLATED.
- 24. ALL MEDIUM PRESSURE DUCTWORK SHALL BE TESTED IN ACCORDANCE WITH SMACNA HVAC AIR DUCT LEAKAGE TEST MANUAL.

  10% OF LOW PRESSURE DUCT SYSTEM SHALL BE TESTED. IF LEAKAGE TEST RESULTS EXCEED THE MAX. ALLOWABLE RATE, THE
  ENTIRE DUCT SYSTEMS SHALL BE TESTED AND DUCT LEAKAGE SHALL BE CORRECTED UNTIL SATISFACTORY RATES ARE OBTAINED.

  25. ALL PENETRATIONS IN FIRE RATED WALL ASSEMBLIES SHALL BE SEALED WITH UL LISTED FIRE STOPPING MATERIAL.
- 26. MECHANICAL CONTRACTOR SHALL PROVIDE FIRE DAMPERS AT ANY LOCATION WHERE DUCTWORK PASSES THROUGH A FIRE RATED WALL ASSEMBLY IN ACCORDANCE WITH IFC.
- 27. PER APPLICABLE MECHANICAL CODES, WITH LOCAL JURISDICTION CODE AMENDMENTS WHEN REQUIRED, EACH SINGLE SYSTEM PROVIDING HEATING OR COOLING AIR IN EXCESS OF 2000 CUBIC FEET PER MINUTE SHALL BE EQUIPPED WITH AN AUTOMATIC SHUTOFF. AUTOMATIC SHUTOFF SHALL BE ACCOMPLISHED BY INTERRUPTING THE POWER SOURCE OF THE AIR MOVING EQUIPMENT DEVICES WHICH WILL DETECT PRODUCTS OF COMBUSTION OTHER THAN HEAT, AND WHICH COMPLY WITH THE IBC, SHALL BE LABELED BY AN APPROVED AGENCY FOR AIR DUCT INSTALLATION AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. SUCH DEVICES SHALL BE COMPATIBLE WITH THE OPERATING VELOCITIES, PRESSURES, TEMPERATURES AND HUMIDITIES OF THE SYSTEM WHERE FIRE DETECTION OR ALARM SYSTEMS ARE PROVIDED FOR THE
- 28. ROOFTOP UNITS SHALL BE SET TO RUN IN "FAN CONTINUOUS" MODE DURING OCCUPIED HOURS. DURING NIGHT SET-BACK HOURS, THE ROOFTOP UNITS SHALL RUN IN "FAN AUTO" MODE.

BUILDING, SMOKE DETECTORS SHALL BE SUPERVISED BY SUCH SYSTEMS.

- 29. UNLESS NOTED OTHERWISE, ALL CAPACITIES INDICATED ARE AT SITE CONDITIONS. ALL EQUIPMENT SHALL BE ADJUSTED, MODIFIED
- AND ORDERED TO ACCOMMODATE SITE CONDITIONS
- 29. INSTALL EQUIPMENT TO AVOID SOUND OR NOISE TRANSMISSION TO OCCUPIED SPACES.

  30. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS LISTED ON THE DRAWINGS AND SPECIFICATIONS INCLUDING THOSE LISTED
- UNDER THE ENERGY COMPLIANCE REPORT. ALL EQUIPMENT INSTALLED SHALL BE PROVIDED WITH THE MANUFACTURER'S RECOMMENDED MAINTENANCE AND OPERATING CLEARANCES.

  31. MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL 4" HIGH BLACK OVER WHITE LAMINATE NAMEPLATE WITH 2" LETTERS
- VISIBLE ADJACENT TO DISCONNECT SWITCH FOR ALL MECHANICAL EQUIPMENT."

  32. ALL CONDUITS, DISCONNECT SWITCHES AND FINAL CONNECTIONS FOR LINE VOLTAGE WIRING SHALL BE BY THE ELECTRICAL
- CONTRACTOR. LOW VOLTAGE CONDUIT, WIRING AND FINAL CONNECTIONS BY MECHANICAL CONTRACTOR.

  33. MAINTAIN MINIMUM CLEARANCES IN FRONT OF ALL CONTROL AND ELECTRIC PANELS ON EQUIPMENT SUCH AS FANS, AIR TERMINAL UNITS, ETC. IN ACCORDANCE WITH THE FOLLOWING: 120 V = 36", 208 V = 42", 460 V = 48". CLEARANCE MAY BE MEASURED THROUGH REMOVABLE CEILING GRID OR ACCESS PANEL. WHERE FACTORY MOUNTED PANELS DO NOT ALLOW ADEQUATE
- CLEARANCE, RELOCATE AND REMOUNT AS REQUIRED. ALL FACTORY WARRANTIES SHALL BE MAINTAINED.

  34. REFRIGERANT LINES & DUCTS IN FINISH ROOMS OR SPACES SHALL BE CONCEALED IN FURRED CHASES OR INSTALLED ABOVE
- SUSPENDED CEILING UNLESS NOTED OTHERWISE.

  35. CONTRACTOR TO PROVIDE ALL REQUIRED CONDENSATE LINES FOR ALL EQUIPMENT, REFER TO PLUMBING PLANS.
- 36. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING THE AIR FILTERS AT THE ROOFTOP UNITS WITH AS PER MANUFACTURER RECOMMENDATIONS AT THE COMPLETION OF CONSTRUCTION AND PRIOR TO AIR BALANCE.
   37. TEST, ADJUST AND BALANCE ALL AIR AND WATER SYSTEMS AFTER INSTALLATION IS COMPLETE. SUBMIT REPORTS TO ENGINEER
- 37. TEST, ADJUST AND BALANCE ALL AIR AND WATER SYSTEMS AFTER INSTALLATION IS COMPLETE. SUBMIT REPORTS TO ENGINEER FOR REVIEW AND APPROVAL.38. TURNOVER ALL EQUIPMENT AND MATERIAL OWNING, OPERATING AND MAINTENANCE (OM) MANUALS TO OWNER AFTER INSTALLATION
- 39. CONTRACTOR SHALL HAVE A THIRD PARTY CERTIFIED TEST AND BALANCE REPORT PERFORMED AT COMPLETION OF PROJECT. THIRD PARTY TAB CONTRACTOR TO BE SELECTED BY OWNER. ANY DIFFERENCES ARE THE RESPONSIBILITY OF THE MECHANICAL
- CONTRACTOR.

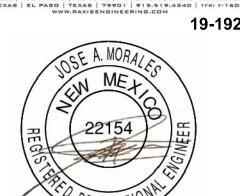
  40. MECHANICAL CONTRACTOR SHALL BE ON SITE AND PRESENT AT THE DATE OF PROJECT TURNOVER.



509 S. Main Studio d Las Cruces, NM 88001 PH 575.521.3757 FAX 575.521.3880 www.studio-d.biz

copyright Studio d Architects





REMODEL

## MATTEO'S RESTAURANT T.I.

138 S. Main St. Las Cruces, New Mexico

REVISION

DATE

Project no: 19.29
Date: August 2019

MECHANICAL GENERAL NOTES

#### **GENERAL NOTE**

A. EXISTING DEMISING WALLS ARE FIRE-RATED. ANY PENETRATIONS INTO EXISTING FIRE-WALLS MUST BE PROPERLY SEALED WITH UL LISTED FIRE—STOPPING MATERIALS TO ENSURE INTEGRITY OF FIRE RATING AFTER WORK IS COMPLETE.

#### **KEYED NOTES**

- 6"Ø ROUND DUCT THRU ROOF TO GOOSENECK FROM EXHAUST
- $\langle 2 \rangle$  PROVIDE BACKDRAFT DAMPERS FOR EXHAUST FAN DUCTWORK.
- 3 DUCT OPENING SHALL NOT BE MORE THAN 1/4" CLEARANCE AND CAULKED FULLY ABOVE AND BELOW, WITH ACOUSTICAL GRADE NON-HARDENING HUSH SEALANT.
- $\overline{\langle 4 \rangle}$  RETURN DUCT OPENING SIZE W25-5/8" L10-7/8" FROM UNIT.
- $\langle 5 \rangle$  SUPPLY DUCT OPENING SIZE W12-1/8" L17-3/4" FROM UNIT.
- 6 4"Ø ROUND FLUE VENT THRU ROOF TO GOOSENECK FROM WATER
- $\langle 7 \rangle$  (2) 4"X4" DUCT FOR COMBUSTION AIR.
- (8) 14"Ø ROUND DUCT THRU ROOF TO EXHAUST FAN FROM KITCHEN RANGE, GRIDDLE AND FRYER.
- $\overline{\langle 9 \rangle}$  provide access door for exhaust fan ductwork per MANUFACTURER'S RECOMMENDATION.
- 14"Ø ROUND DUCT THRU ROOF TO EXHAUST FAN FROM KITCHEN ROLLER, MIXER AND RANGE.
- SUPPLY DUCT OPENING SIZE W18" L20" FROM MUA FAN.



## **COM***check* **Software Version 4.1.1.0 Mechanical Compliance Certificate**

#### **Project Information**

2015 IECC Energy Code: Matteo's Restaurant T.I. Project Title: Las Cruces, New Mexico Location: Climate Zone:

Alteration Project Type:

Construction Site: 138 S. Main St. Las Cruces, NM 88001 Owner/Agent:

Designer/Contractor:

#### Mechanical Systems List

#### Quantity System Type & Description

1 RTU-1 (Single Zone):

Cooling: 1 each - Single Package DX Unit, Capacity = 60 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 15.00 SEER, Required Efficiency: 14.00 SEER Fan System: None

#### **Mechanical Compliance Statement**

Compliance Statement: The proposed mechanical alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.1.1.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title

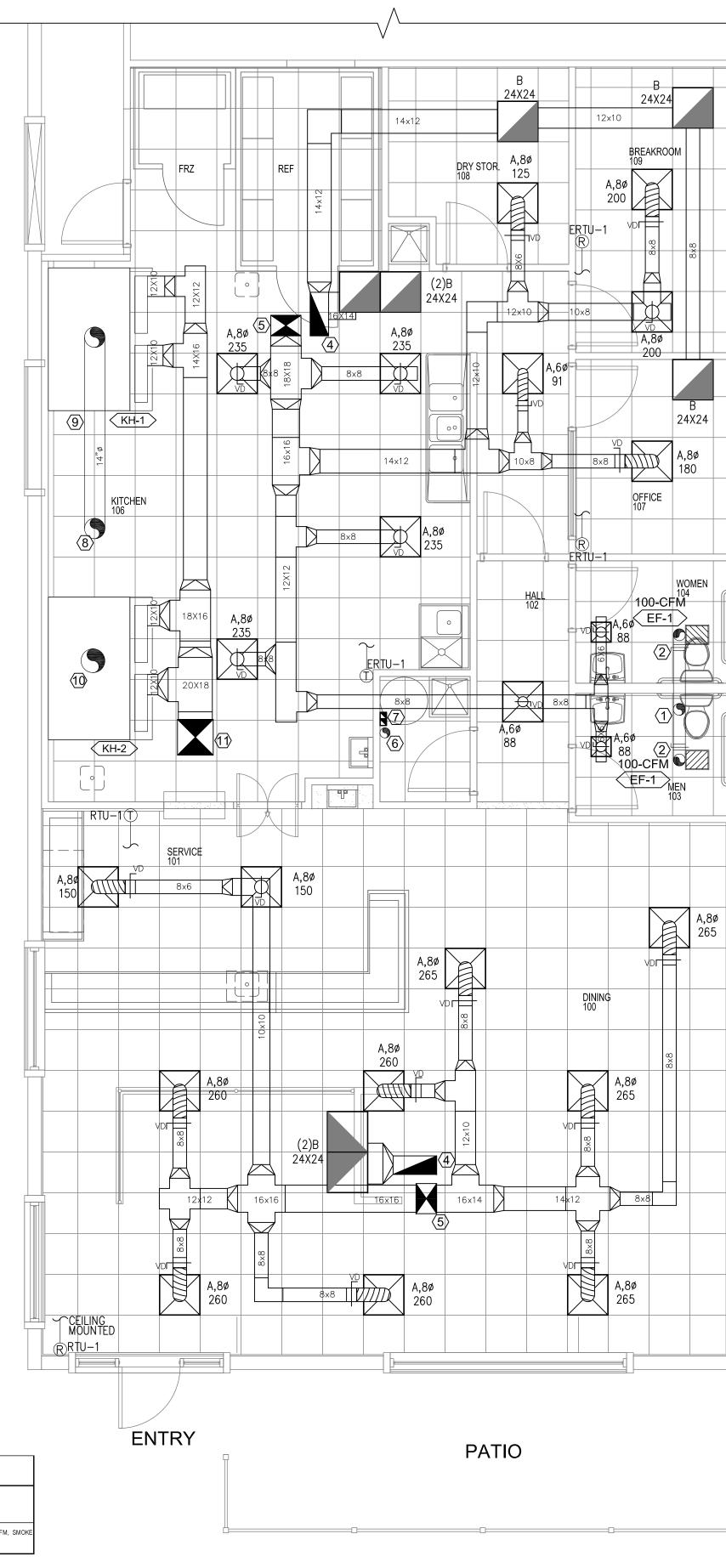


DIFFUSER AND GRILLE SCHEDULE					
MANUFACTURER AND MODEL NUMBER OR APPROVED EQUAL	REMARKS				
TITUS	WHITE FINISH, NECK SIZE AS INDICATED, STEEL CONSTRUCTION, ADJUSTABLE VANES, 360°				
TMSA	PATTERN, 24" x 24" FACE				
TITUS	WHITE FINISH, ALL ALUMINUM CONSTRUCTION, 1/2"X1/2"X1/2" PERFORATED FACE, ALUMINUM				
50F-CODE A	BORDER, FACE SIZE AS INDICATED				

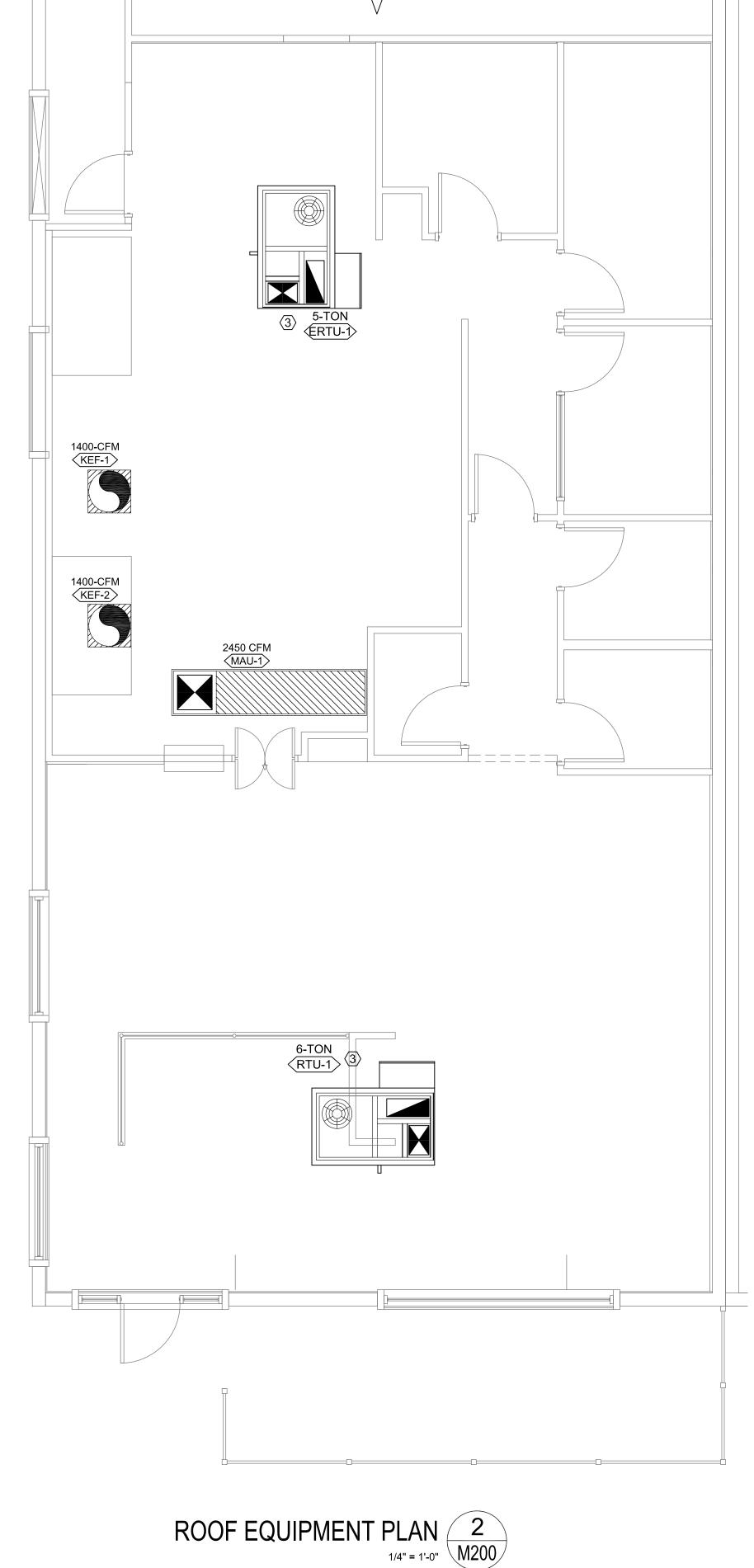
								PA	CK	AG	ED	R	OC	)FT	ОР	UNIT SCHEDULE
MARK	MANUFACTURER AND MODEL NUMBER OR APPROVED EQUAL	CFM E		DLING IBH	COIL E	l A B	SEER/EER	НЕ	EATING ME	вн		E	LECTRI	CAL		REMARKS
	SKAP KOVED EQUAL		TOTAL	SENS	db°F v			INPUT	OUTPUT	FUEL	MCA	MOP	VOLTS	PHASE	HP	
RTU-1	CARRIER 6-TON	2,400 0	5 71.2	68.6	80	67 10	5 12.6	72.0	59.0	NG	42	60	208	3		PROVIDE WITH FACTORY ROOF CURB, 0-100% DRY BULB ECONOMIZER WITH BAROMETRIC RELIEF WITH MINIMUM OPENING SET AT 477 CFM, SMOKE DETECTOR MOUTED IN THE SUPPLY AIR DUCT, ANTI-SHORT CYCLE TIMER, HIGH ALTITUDE KIT, DIGITAL DISPLAY PROGRAMMABLE THERMOSTAT.

		EXH	<u>IAl</u>	<u>JST</u>	FAN	I SC	HEDI	JLE	
MARK	MANUFACTURER AND MODEL NUMBER OR PPROVED EQUAL	CFM	ESP	НР	VOLTS	IOTOR PHASE	# SPDS	SONES	REMARKS
EF-1	S&P PC110	100	0.125	27 W	120	1	1	l 09	PROVIDE WITH VIBRATION ISOLATORS, BACKDRAFT DAMPER, ALUMINUM PERFORATED GRILLE, AND ROOF CAP. UNIT CONTROLLED BY SWITCH.

\*TEST AND BALANCE OF MECHANICAL SYSTEMS TO BE PERFORMED AT PROJECT COMPLETION BY A THIRD PARTY NEBB OR TABB CERTIFIED CONTRACTOR.







Studio D

509 S. Main Studio d Las Cruces, NM 88001 PH 575.521.3757 FAX 575.521.3880 www.studio-d.biz

copyright Studio d Architects







REMODEL

## MATTEO'S **RESTAURANT**

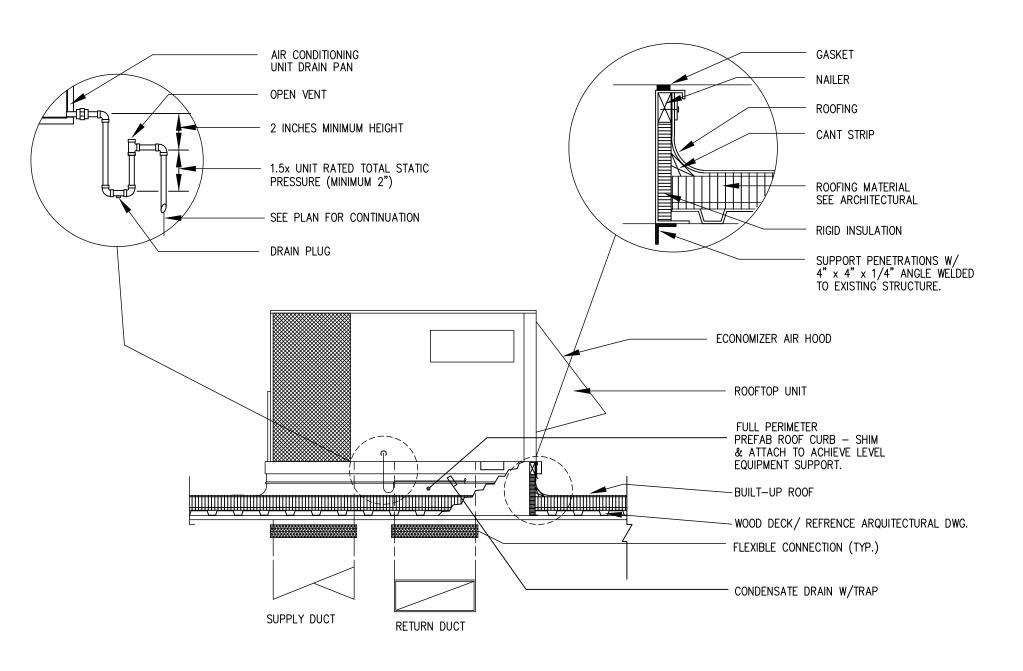
138 S. Main St. Las Cruces, New Mexico

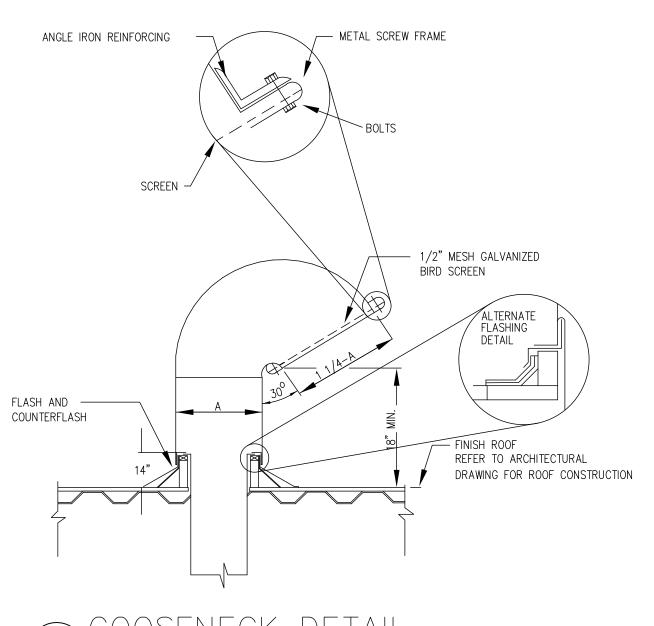
REVISION

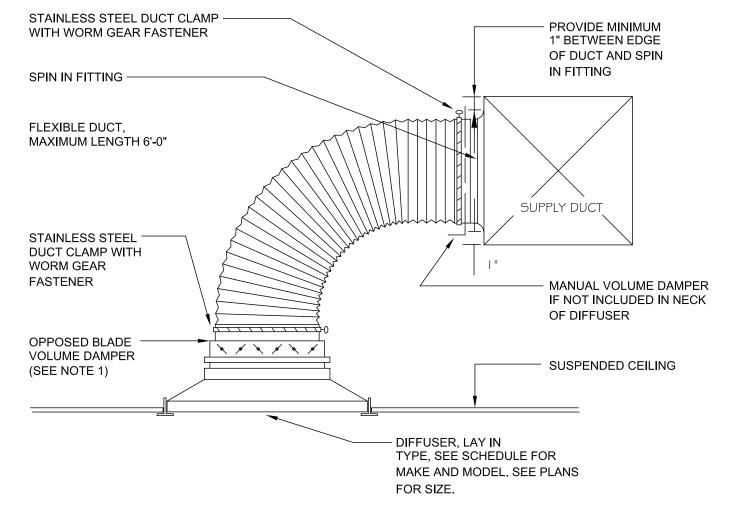
Date: Sheet:

August 2019

**MECHANICAL** PLAN







#### I. VOLUME DAMPERS WILL BE ALLOWED IN DIFFUSERS/GRILLES IN NON-ACCESSIBLE CEILINGS ONLY.

EILING DIFFUSER SCHEMATIC

NOT TO SCALE

REMODEL

509 S. Main Studio d

Las Cruces, NM 88001

PH 575.521.3757

FAX 575.521.3880

www.studio-d.biz

all rights reserved.

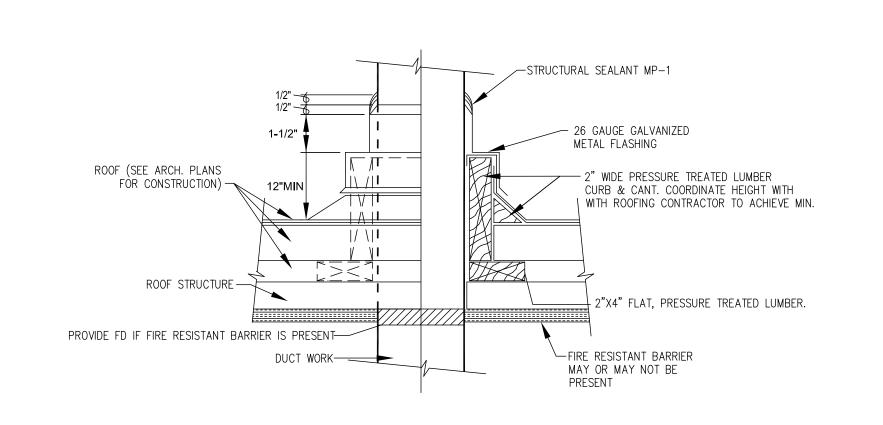
copyright Studio d Architects

138 S. Main St. Las Cruces, New Mexico

DATE REVISION

19.29 Project no: August 2019 Date:

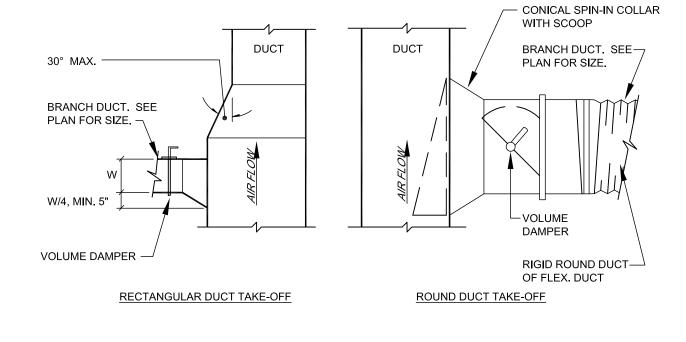
> **MECHANICAL DETAILS**



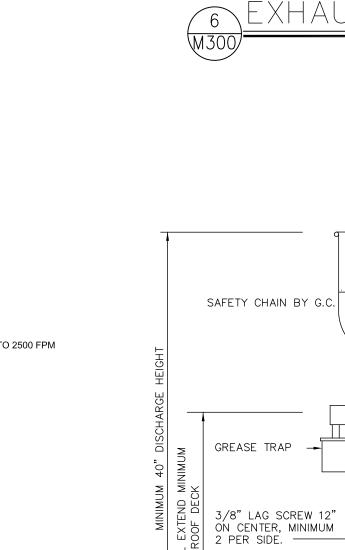
DUCT THRU ROOF DETAIL

ACCESS DOOR

ROOF TOP UNIT DETAIL



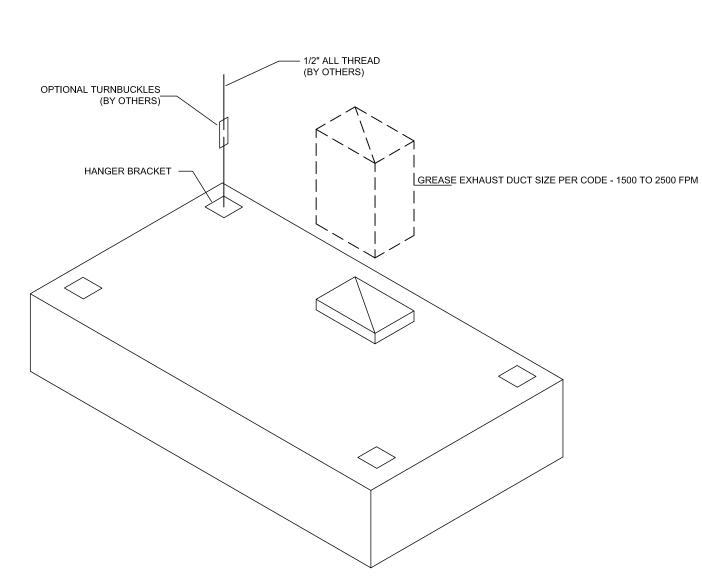


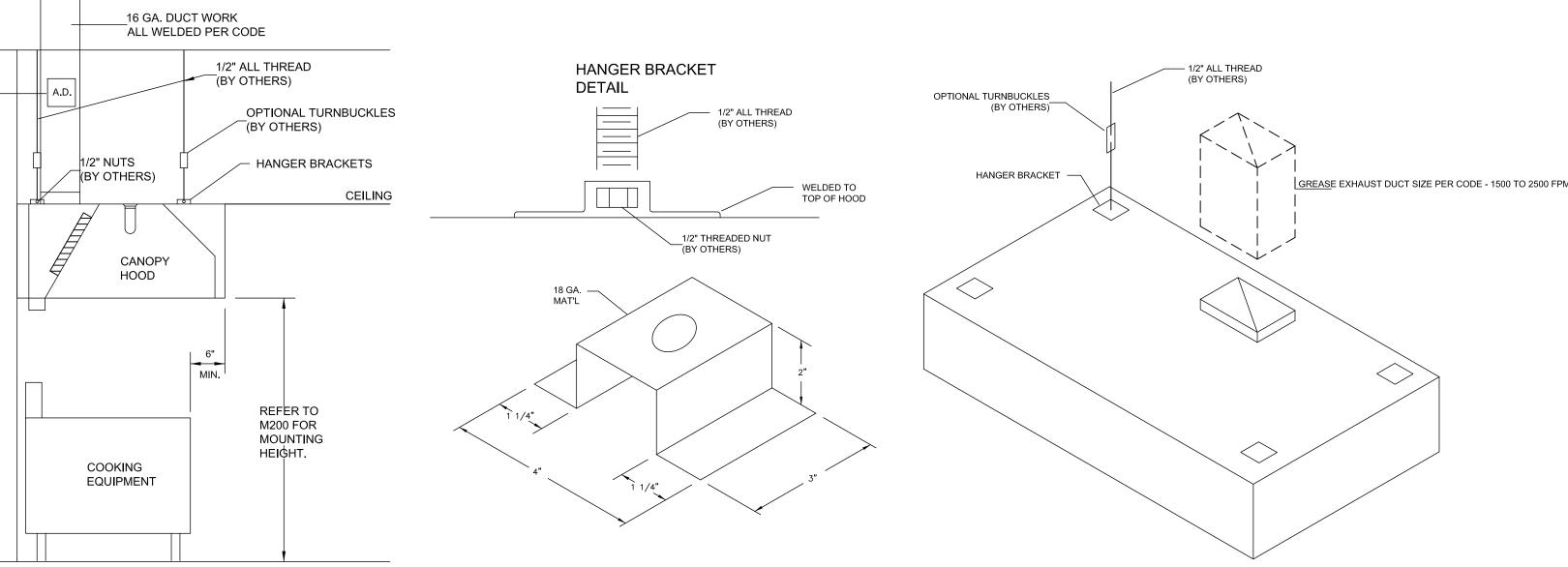


14" HIGH FACTORY

CURB

PREFABRICATED ROOF





NOT TO SCALE

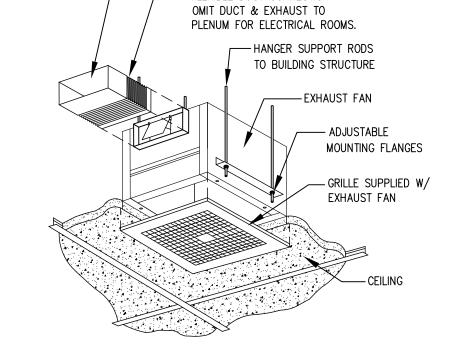
HOOD INSTALLATION DETAIL

NOT TO SCALE

NOT TO SCALE

NOT TO SCALE

OUTLET DUCT — FLEXIBLE DUCT CONNECTION



EXHAUST FAN DETAIL NOT TO SCALE

**---**

TRANSITION FUNNEL FITTING 16 GA. WELDED

LIQUID TIGHT

U.L. LISTED GREASE

- NEMA 3R DISCONNECT FACTORY WIRED TO

PROVIDE HIGH TEMPERATURE DUCT WRAP TO TOP OF CURB EXTENTION.

EXHAUST FAN

MOTOR

- FIELD WIRING IN LIQUID TIGHT FLEXIBLE CONDUIT

HINGED-VENTED CURB

RESILENT GASKET

ROOF INSULATION

ROOF STRUCTURE

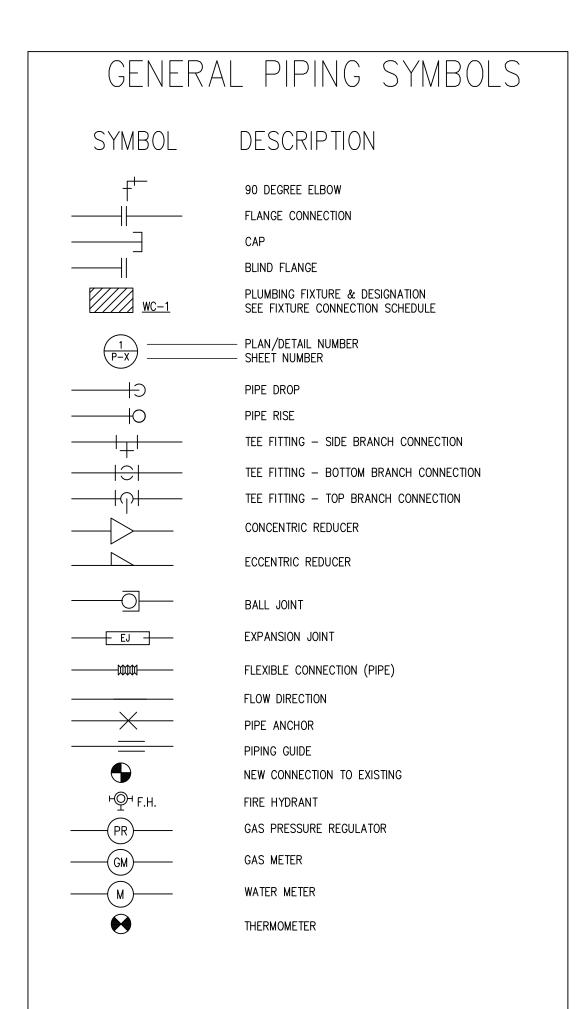
GREASE EXHAUST DUCT. MINIMUM 16 GAUGE STEEL WELDED LIQUID TIGHT.

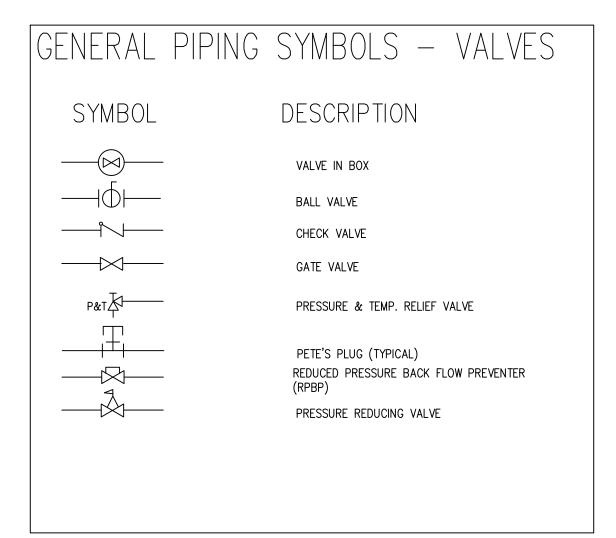
- FLASH AND COUNTERFLASH

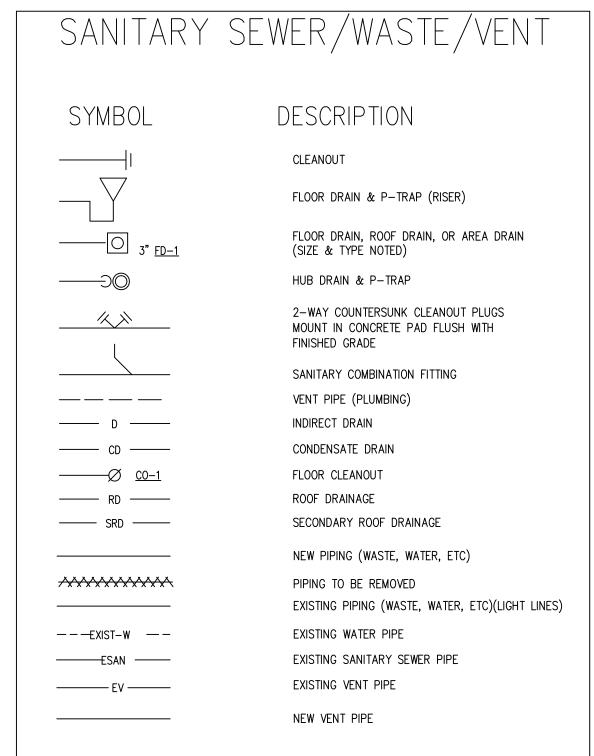
EXTENSION

## PLUMBING SYMBOLS AND ABBREVIATIONS

[SOME SYMBOLS MAY NOT BE USED ON THIS PROJECT]







NATURAL GAS

DESCRIPTION

PIPING TO BE REMOVED

GAS (MEDIUM PRESSURE)

PLUG VALVE

EXISTING MED PRESS GAS PIPE

EXISTING LOW PRESS GAS PIPE

GAS (LOW PRESSURE PRESSURE)

SYMBOL

——EXIST-MG ——

———EG ———

——| **♦**——

DOMEST	IC WATER SUPPLY	
SYMBOL	DESCRIPTION	
<del>/////////////////////////////////////</del>	PIPING TO BE REMOVED  NEW COLD WATER PIPE  NEW HOT WATER (120*)	
	NEW HOT WATER RETURN (120°) NEW FIRE PIPE	
140°	HOT WATER @ 140°	
<u>SA-1</u>	SHOCK ABSORBER SEE PLUMING FIXTURE CONNECTION SCHEDULE	

	UTILITIES
WATER / SEWER CONTACT: _	
NATURAL GAS CONTACT:	

CONTRACTOR IS RESPONSIBLE TO OBTAIN AND VERIFY WITH ARCHITECT AND CITY FOR LATEST PLANS

## PLUMBING ABBREVIATIONS $\mathsf{DFCCDIDTION}$

ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
ABV	ABOVE	ID	INSIDE DIMENSION
AC	ABOVE CEILING	ΙΕ	INVERT ELEVATION (FLOW LINE)
AD	ACCESS DOOR	IN	INCHES
AFF	ABOVE FINISHED FLOOR	INSUL	INSULATION
AP	ACCESS PANEL	IN WG	INCHES OF WATER
APPROX	APPROXIMATE		KILOWATT(S)
ARCH	ARCHITECTURAL	KW	LONG, LENGTH
		L	
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	L-#	LAVATORY — REF. PLUMB. FIXT. SCHEDULE
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS	LB	POUND
AV	ACID VENT	MAX	MAXIMUM
AW	ACID WASTE	MECH	MECHANICAL
BHP	BRAKE HORSEPOWER	MIN	MINIMUM
BLDG	BUILDING	MS	MOTOR STARTER
ВОР	BOTTOM OF PIPE	MTD	MOUNTED
BSMT	BASEMENT	NA	NOT APPLICABLE
BTU	BRITISH THERMAL UNIT	NIC	NOT IN CONTRACT
		NTS	NOT TO SCALE
BW-#	BACKWATER VALVE	OC	ON CENTER
CA	COMPRESSED AIR		
CC	CENTER TO CENTER	ОН	OVERHEAD
CAP.	CAPACITY	PCT	PERCENT
CD	CONDENSATE	PLBG	PLUMBING
CDP	CONDENSATE DRAIN PUMP	PRESS	PRESSURE
CI	CAST IRON	PRV	PRESSURE REDUCING VALVE
CLG	CEILING CLEANOUT		
CO		PSIG	POUNDS PER SQUARE INCH (GAUGE)
CONN	CONNECTION	PVC	POLYVINYL CHLORIDE
CONT	CONTINUATION	PW-#	PRESSURE WASHER — REF. PLUMB. FIXT. SCHED.
CW	COLD WATER	RD ,	ROOF DRAIN
<b>Ģ</b>	CENTER LINE	REF: 4/P-500	REFER TO DETAIL 4, SHEET P-500
D	DRAIN	REQ'D	REQUIRED
DCO	DOUBLE CLEANOUT	RPBP-#	REDUCED PRESSURE BACKFLOW PREVENTER
DIA	DIAMETER	S-#	SINK — REF. PLUMB. FIXT. SCHEDULE
		SCHED.	SCHEDULE
DN.	DOWN	SD	STORM DRAIN
DN-#	DOWNSPOUT NOZZLE	SEC	SECOND
DWG	DRAWING	SH-#	SHOWER HEAD — REF. PLUMB. FIXT. SCHED.
EA	EACH	" SPEC	SPECIFICATION
EQ	EQUAL	SP	
EQUIP	EQUIPMENT		SUMP PUMP
EXIST	EXISTING	SRD	SECONDARY ROOF DRAIN
3" <u>FD-1</u>	3" FLOOR DRAIN TYPE 1	SS	SERVICE SINK/MOP SINK
—— F	DEGREES FAHRENHEIT	STD	STANDARD
		STL	STEEL
FCO	FLOOR CLEANOUT	SW	SWTCH
FIXT	FIXTURE	TEMP	TEMPERATURE
FF	FINISHED FLOOR		
FG	FINISHED GRADE	TP-#	TRAP PRIMER — REF. PLUMB. FIXT. SCHED.
FLG	FLANGE	TYP	TYPICAL
FLR	FLOOR	U-#	URINAL — REF. PLUMB. FIXT. SCHED.
FM	FACTORY MUTUAL	UF	UNDER FLOOR
		UG	UNDER GROUND
FPM	FEET PER MINUTE	UL	UNDERWRITERS LABORATORIES
FT	FEET, FOOT	UTIL	UTILITY
FS	FLOOR SINK	VB	VALVE BOX
GA	GAUGE	VCP	VITRIFIED CLAY PIPE
GAL	GALLON	VEL	VELOCITY
GALV	GALVANIZED	VOL	VOLUME
		VOLT	VOLTAGE
GCO	GROUND CLEANOUT	VTR	VENT THRU ROOF
GPH	GALLONS PER HOUR	V IR W	WIDE, WIDTH
GPM	GALLONS PER MINUTE		
GW	GREASE WASTE	WB-#	WASHER BOX — REF. PLUMB. FIXT. SCHED.
GV	GREASE VENT	WD-#	WATER DEVICE - REF. PLUMB. FIXT. SCHED.
Н	HIGH, HEIGHT	W/	WITH
HB-#	HOSE BIBB — REF. PLUMB. FIXT. SCHED.	, W/O	WITHOUT
<del>"</del>	HORSEPOWER	·	
HP up		WC-#	WATER CLOSET — REF. PLUMB. FIXT. SCHED.
HR	HOUR	WCO	WALL CLEANOUT
HTR	HEATER	WD-#	WATERING DEVICE - REF. PLUMB. FIXT. SCHEDULE
HWRP	HOT WATER RECIRCULATING PUMP	WH-#	WATER HEATER - REF. PLUMB. FIXT. SCHED.
HZ	HERTZ	" WS-#	WATER SOFTENER - REF. SPECIFICATIONS
		WTD-#	WIDE TRENCH DRAIN — REF. PLUMB. FIXT. SCHED.
		WTR	WATER
		11 117	THATEIN

## PLUMBING GENERAL NOTES

NOTE: FOR THE PURPOSE OF CLEARNESS AND LEGIBILITY, THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND ALTHOUGH SIZES AND LOCATIONS OF EQUIPMENT ARE DRAWN TO SCALE WHEREVER POSSIBLE, THE CONTRACTOR SHALL MAKE USE OF ALL DATA IN ALL OF THE CONTRACT DOCUMENTS AND VERIFY THIS INFORMATION PRIOR TO ORDERING, FABRICATING OR INSTALLING ANY MATERIALS. . THE PLUMBING SYSTEM DESIGN, INSTALLATION AND MATERIALS SHALL CONFORM TO ALL FEDERAL, STATE AND LOCAL CODES AND

3. PLUMBING QUALITY, WEIGHTS OF MATERIALS AND ALTERNATE METHODS OF CONSTRUCTION SHALL CONFORM TO THE APPLICABLE

PLUMBING CODES, WITH LOCAL JURISDICTION CODE AMENDMENTS.

. CONTRACTOR SHALL COORDINATE ALL WORK SHOWN ON THESE DRAWINGS AND SPECIFICATIONS WITH ALL DISCIPLINES AND TRADES PRIOR TO SUBMITTAL OF BID AND INSTALLATION OF SYSTEM. . CONTRACTOR SHALL VISIT SITE PRIOR TO BID TO VERIFY ALL EXISTING CONDITIONS, INCLUDE IN BID THE RELOCATION OF ALL EXISTING

UTILITIES THAT WILL OBSTRUCT NEW CONSTRUCTION. INCLUDE IN BID ALL DEVELOPMENT FEES, DEPOSITS, MEASURING DEVICE FEES, AND ALL OTHER FEES RELATED TO THE ESTABLISHMENT OF UTILITY SERVICES FOR THE NEW STRUCTURE. 6. CONTRACTOR SHALL MAKE ALL ARRANGEMENTS WITH UTILITY COMPANIES FOR SERVICE AND CONNECTIONS AND SHALL PAY FOR ALL

FEES, CHARGES, PERMITS AND METERS. 7. THE PLUMBING CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND LABOR (INCLUDING THE COMPLETE PLUMBING SYSTEM) FOR A PERIOD OF ONE YEAR FROM WRITTEN ACCEPTANCE BY THE TENANT. ANY DEFECTS IN MATERIALS AND OR LABOR FOUND WITHIN THE GUARANTEE PERIOD SHALL BE REMEDIED OR REPAIRED BY THIS CONTRACTOR IN A TIMELY FASHION, AT NO COST TO THE TENANT.

8. CONTRACTOR TO FIELD VERIFY INVERT ELEVATION OF EXISTING GREASE WASTE AND SANITARY SEWER BEFORE COMMENCING ANY WORK. 9. ALL PLUMBING FIXTURE LOCATIONS (WATER CLOSETS, LAVATORIES ETC.) ARE DIAGRAMMATIC. CONTRACTOR SHALL REFER TO FOOD SERVICE AND ARCHITECTURAL DRAWINGS FOR EXACT PLACEMENT AND MOUNTING HEIGHTS.

10. ANY DEVIATIONS FROM THE DRAWINGS OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER PRIOR TO INSTALLATION. 11. CONTRACTOR SHALL VISIT SITE PRIOR TO SUBMITTAL OF BID AND FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS. SUBMITTAL OF BID

WILL VERIFY THAT THE CONTRACTOR HAS VISITED THE SITE. 12. PIPING SHALL BE INSTALLED PARALLEL TO BUILDING LINES AND SUPPORTED AND ANCHORED AS REQUIRED TO FACILITATE EXPANSION AND CONTRACTION. THE INSTALLATION SHALL MEET ALL CONSTRUCTION CONDITIONS AND ALLOW FOR THE INSTALLATION OF OTHER

13. SUPPORT PIPING WITH CLEVIS OR SPLIT RING TYPE PIPE HANGERS WITH 3/8" ALL THREAD ROD AND BEAM CLAMPS. "PLUMBERS TAPE AND WIRE" NOT PERMITTED.

14. TRAP PRIMERS FOR FLOOR DRAINS AND FLOOR SINKS AND WATER HAMMER ARRESTORS TO BE INSTALLED AS PER APPLICABLE PLUMBING CODES, WITH LOCAL JURISDICTION CODE AMENDMENTS AND THE LATEST EDITION OF THE AMERICAN SOCIETY OF SANITARY ENGINEERING (ASSE 1010) SIZING AND INSTALLATION REQUIREMENTS. 15. ALL VALVES, TRAP PRIMERS, WATER HAMMER ARRESTORS OR OTHER EQUIPMENT SHOWN IN WALLS OR ABOVE NON-ACCESSIBLE

CEILINGS SHALL BE INSTALLED BEHIND AN ACCESS PANEL. 16. ALL SERVICE WATER HEATING EQUIPMENT TO BE IN COMPLIANCE WITH THE APPLICABLE PLUMBING CODES, WITH LOCAL JURISDICTION CODE AMENDMENT REQUIREMENTS AND LABELED AS SUCH.

17. ALL ITEMS PROJECTING THROUGH THE ROOF SHALL BE FLASHED THROUGH CURBS OR PIPE SEALS A MINIMUM OF 12" ABOVE THE ROOF. THE PIPE CURBS AND SEALS SHALL BE INSTALLED BY THE ROOFING CONTRACTOR. ENSURE THAT AMPLE BOOT OPENINGS ARE PROVIDED TO ACCOMMODATE ANY ELECTRICAL CONDUIT PENETRATIONS REQUIRED FOR POWER.

18. CONTRACTOR SHALL PROVIDE: FAUCETS, TRAPS, STOPS, BALL VALVES, BACKFLOW DEVICES FOR KITCHEN EQUIP. GASCOCKS, WATER HAMMER ARRESTORS, CLEANOUT COVERS AND INDIRECT WASTE TO AN APPROVED RECEPTOR AND ALL NECESSARY TRIM FOR A COMPLETELY CONNECTED PLUMBING SYSTEM. (SEE SCHEDULES).

19. ALL CLEANOUTS SHALL BE INSTALLED WHERE READILY ACCESSIBLE AND LOCATED AS PER CODE REQUIREMENTS. THE CONTRACTOR SHALL COORDINATE ALL CLEAN OUT LOCATIONS WITH EQUIPMENT, MILLWORK, ETC., PRIOR TO INSTALLATION.

20. ALL PLUMBING FIXTURE VENTS TO TERMINATE A MINIMUM OF 12 INCHES FROM ANY VERTICAL SURFACE AND 10'-0" FROM OR 3'-0" ABOVE ANY MECHANICAL EQUIPMENT OUTSIDE AIR INTAKE.

21. ALL VALVES, UNIONS, ETC. TO BE SAME SIZE AS CONNECTED SUPPLY LINE UNLESS OTHERWISE NOTED ON DRAWINGS.

22. UNIONS SHALL BE PROVIDED AND INSTALLED AFTER EACH SCREW-TYPE VALVE AND PRIOR TO EQUIPMENT CONNECTIONS. 23. PIPING SHALL BE INSTALLED COMPLETE WITH DIELECTRIC UNIONS BETWEEN CONNECTIONS OF NON-FERROUS MATERIALS. 24. PROVIDE DIELECTRIC INSULATION FOR COPPER PIPE ANYWHERE IT CONTACTS DISSIMILAR METAL. THIS INCLUDES THE WATER HEATER

CONNECTIONS.

25. PROVIDE ACCESSIBLE WATER SUPPLY STOP VALVE(S) AT EACH PLUMBING FIXTURE.

26. PROVIDE A LINE SIZED PRESSURE REDUCING VALVE AT THE BUILDING SERVICE CONNECTION SHOULD THE SUPPLY PRESSURE EXCEED

27. ALL UNDERGROUND METALLIC PIPE AND FITTINGS SHALL BE PROTECTED IN ACCORDANCE WITH THE SOILS ENGINEER'S

RECOMMENDATIONS. 28. NO PIPING SHALL BE DIRECTLY EMBEDDED IN CONCRETE, MASONRY WALLS, OR CONCRETE FOOTINGS.

29. THE PLUMBING CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS FOR ALL POINTS OF CONNECTION WITH THE GENERAL CONTRACTOR AND OTHER TRADES PRIOR TO START OF WORK. 30. VERIFY EXACT LOCATIONS, DEPTH AND SIZE OF ALL PIPING TO WHICH CONNECTIONS ARE REQUIRED. COORDINATE ALL CONNECTIONS

WITH SITE CONDITIONS AND SITE UTILITY CONTRACTOR/ REPRESENTATIVE. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE INSTALLATION OF ALL WORK RELATED TO PLUMBING UTILITIES INCLUDING

TRENCHING, BACKFILL, SUPPORTS, CLEAN-OUT PADS, SERVICE VALVES AND BOXES, SERVICE LINES, TESTING, CLEANING, AND 32. ALL HORIZONTAL PIPING LINES EXTENDED AND CONNECTED TO EQUIPMENT SHALL BE RUN AT THE HIGHEST POSSIBLE ELEVATIONS AND

NOT LESS THAN 6" ABOVE THE FLOOR TO PROVIDE CLEARANCE FOR CLEANING.

33. ALL CUTTING OF EXISTING PAVING, WALKS AND/OR FLOORS SHALL UTILIZE MACHINE SAW CUTTING EQUIPMENT. HOLES FOR PIPES IN CONCRETE WALLS OR FLOORS SHALL UTILIZE CORE DRILLING EQUIPMENT. COORDINATE WITH ARCHITECTURAL DETAILS FOR FLOOR CUTTING AND PATCHING.

34. THE PLUMBING CONTRACTOR IS TO PROVIDE ALL ADDITIONAL STEEL, HANGER MATERIALS, RODS AND CLAMPS AS REQUIRED FOR COORDINATION WITH WORK OF OTHER TRADES.

35. PIPING LAYOUT IS SCHEMATIC ONLY, EXACT ROUTING AND INSTALLATION OF PIPES TO BE COORDINATED WITH THE BUILDING STRUCTURE AND THE WORK OF OTHER CONTRACTORS. NO WATER OR DRAIN LINES ARE PERMITTED TO BE INSTALLED OVER OR UNDER ELECTRICAL PANELS.

36. NO LIQUID TRANSMISSION PLUMBING PIPING SHALL BE INSTALLED ABOVE ELECTRICAL SWITCH GEAR, EQUIPMENT, OR PANELS. MAKE ADJUSTMENTS NECESSARY TO REPOUTE PIPING FOR ACTUAL INSTALLATION OF ELECTRIC EQUIPMENT. 37. WHENEVER FOUNDATION WALLS, EXTERIOR WALLS, ROOFS, ETC. ARE PENETRATED FOR THE INSTALLATION OF PLUMBING SYSTEMS, THEY

SHALL BE PATCHED TO MATCH EXISTING CONSTRUCTION AND SEALED WEATHER TIGHT. 38. ANY EXPOSED PIPING IN GUEST OR PUBLIC AREAS SHALL BE PAINTED TO MATCH THE WALL COLOR. ANY EXPOSED GAS PIPING IN

KITCHENS SHALL BE PAINTED WHITE. 39. DURING THE PROGRESS OF THE WORK, MAINTAIN AN ACCURATE RECORD OF ALL CHANGES MADE IN THE PLUMBING SYSTEMS. THE RECORD DRAWING SHALL SHOW CHANGES IN MANUFACTURER (WITH NUMBERS AND TRADE NAMES). MATERIALS, SIZES, LOCATIONS AND

HOOK-UP POINTS. AS-BUILTS SHALL BE GIVEN TO OWNER'S CONSTRUCTION MANAGER AT COMPLETION OF JOB. 40. UPON COMPLETION OF JOB, THIS CONTRACTOR SHALL INSPECT ALL EXPOSED PORTIONS OF THE PLUMBING INSTALLATION AND COMPLETELY REMOVE ALL EXPOSED LABELS, SOIL, MARKINGS AND FOREIGN MATERIAL EXCEPT PRODUCT LABELS AND THOSE REQUIRED

41. PLUMBING CONTRACTOR SHALL BE ON SITE AND PRESENT AT THE DATE OF THE PROJECT TURNOVER.

42. PLUMBING CONTRACTOR SHALL PROVIDE MANUFACTURER'S OPERATION LITERATURE FOR ALL INSTALLED EQUIPMENT AND FIXTURES AT THE DATE OF PROJECT TURNOVER.

43. ALL PLUMBING FIXTURES SHALL MEET AND BE INSTALLED AT DIMENSIONS REQUIRED BY ACCESSIBILITY STANDARDS FOR HANDICAPPED PERSONS.

44. ANY PLASTIC PIPING (PVC PIPE) LOCATED IN A RETURN CEILING SPACE (OPEN CEILING) OR PLENUM SHALL BE ENCLOSED IN GPB OR WRAPED WITH 3M FIREMASTER BLANKET OR UL910 STANDARD COVER.

45. ALL UNDERGROUND WATER PIPING SHALL BE SOFT COPPER PIPING. THERE SHALL NOT BE ANY UNDERGROUND JOINT FITTINGS.

46. ALL DENTAL SPECIALTY PIPING SHALL BE COPPER PIPING. 47. DENTAL SPECIALTY PIPING SHALL BE INSTALLED BY A CERTIFIED MED GAS INSTALLER WITH 5 YEARS EXPERIENCE.

48. ALL PIPING IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN FURRED CHASES OR INSTALLED ABOVE SUSPENDED CEILING

UNLESS NOTED DIFFERENT. 49. ALL FLOOR BRANCHES OFF PIPE RISERS SHALL BE PROVIDED W/ SHUT OFF VALVES AND CAPPED DRAIN CONNECTION.

50. INSULATED PIPEWORK SHALL BE INSTALLED SO THAT FULL THICKNESS INSULATION CAN BE APPLIED TO EACH PIPE.

51. ALL PIPING INSTALLED ON THE ROOF MUST BE SUPPORTED, WITH PIPE SUPPORTS EVERY 10'-00". PIPE SUPPORT TO BE

DURA-BLOCK, CONTRACTOR TO PROVIDED SIZED AND ACCESSORIES REQUIRED.

509 S. Main Studio d Las Cruces, NM 88001 PH 575.521.3757 FAX 575.521.3880 www.studio-d.biz

copyright Studio d Architects





REMODEL

## MATTEO'S **RESTAURANT**

138 S. Main St. Las Cruces, New Mexico

REVISION

DATE

Project no: Date:

August 2019

**PLUMBING GENERAL** 

#### General Commercial Utility Notes:

- 1. The design engineer is responsible for determining, researching, calling for design locates New Mexico One Call (811), locating existing mains, service line stub-outs, and other facilities and showing them appropriately on the utility sheet.
- 2. It shall be the contractor's responsibility for job safety or compliance with OSHA regulations.
- 3. Should conflicting information or interference problems appear in the construction drawings the contractor shall bring that information to the attention of the engineer immediately prior to installation.
- 4. All construction materials and workmanship done within the public right-of-way shall conform to the City of Las Cruces Utility Standards and it is available at:
- http://www.las-cruces.org/~/media/lcpublicwebdev2/site%20documents/article%20documents/public%20works/
- contracts/lc%20utility%20standards%20feb%202013%20rev%20june%202017.ashx?la=en
- 5. The contractor shall notify all utility companies before commencing work and shall be responsible for complying with New Mexico One-Call procedures. Any damage to existing utilities must be immediately reported to the appropriate utility company. Las Cruces Utilities emergency dispatch, call (575) 526-0500.
- 6. Roadway, right-of-way and sub grade to be established within 6 inches (both horizontal and vertical) of final location prior to installation of any utilities. Gas and water utilities to be placed within 6 inches of final required depth and location. The contractors will at his expense relocate or replace utilities, which fail to adhere to this specification.
- 7. Curb contractor to stamp, fresh concrete sidewalk with G. S. and W. directly above gas, sewer, and water stub out locations. A utility inspector shall be present when marking, call (575) 528-3500 for CLC inspection. Failure to apply stamps shall be cause for rejection of the improvement by the City.
- 8. It will be the developer's responsibility to submit the "As-Built" drawings, as completed by the contractor and turned in to the CLC project manager, for approval and acceptance.
- 9. The contractor shall provide as-built drawings of the improvements to the gas system before those improvements be tied into the existing gas system.
- 10. The installation of mains/service lines in DAC and NMDOT right-of-way require a permit from that government entity and must be initiated by the person requesting the service. The owner is responsible for any fees related to the permit process.
- 11. All CLC utility lines shall not be installed under concrete without prior approval from the Las Cruces Utilities.
- 12. Excess Flow Valves (EFV) are required on all gas services 1-1/4 inch and smaller as close as practicable to the gas
- 13. Trees shall have a 10' minimum clearance from all CLC utilities services.
- 14. The contractor is responsible for all utility work including traffic control, pavement cuts, excavation, installation and restoration. At the owner's expense, Las Cruces Utilities can perform such tasks if stated on the utility plan.
- 15. Any changes from the previously approved utility plan require a written request from the engineer or an amendment to the utility plan.
- 16. All utility easements must be filed and recorded with the Dona Ana County and a recorded copy submitted to the Las Cruces Utilities RES/TS Department before any gas meters are installed or the final inspection is approved.

#### GPS Locate of New Gas line:

All new gas lines shall be surveyed as built (GPS'd in the trench) by the City of Las Cruces, Gas Locating & Mapping Section prior to any backfilling. The coordination of this survey will be through the Public Works Department Gas Inspector assigned to the project. A 30-minute minimum notice will be given to Gas Locating and Mapping Section prior to the contractor having the pipe in place and ready to be GPS. This minimum notice will expedite GPS task. The Gas Inspector will contact the Damage Prevention Dispatcher @ (575) 528-3573. Any work performed in coordinating this effort shall be incidental to the pipeline & appurtenance installation activity.

#### Contracts Administration General Notes:

- 1. City of Las Cruces Public Works Department/Contracts Administration (PW/CA) contact number: (575)528- 3098.
- 2. PW/CA shall be notified 72 hours prior to commencing any work in the public right of way. All installations require visual inspection as well as materials testing.
- 3. Traffic Control Plan must be submitted to PW/CA 72 hrs. prior to any scheduled road or lane closures. Traffic Control must meet current edition of MUTCD.
- 4. Contractor shall contact PW/CA before any traffic control is in place or before any construction (including demolition) has
- 5. PW/CA Roadway Inspector shall be present at the time of potholing.
- 6. Replacement of Asphaltic Pavement shall conform to the requirements of Section 355, Patching of Asphalt Pavements of the CLC Roadway Standards 2000. Pavement cuts must be a straight-line saw cut and extend from existing joint to joint to the extents possible. Each line shall be made either perpendicular or parallel to existing infrastructure.
- 7. Roadway section shall meet current City Standards for depth or match existing depth, whichever is thicker. Any pavement or concrete disruption caused by the construction/development shall be removed and replaced per City Standards.
- 8. Blue stake locates shall be field verified by the contractor through potholing and coordination with utility owner.
- 9. Record drawings or work completed shall be submitted to PW/CA prior to final acceptance of the installations.

#### Las Cruces Fire Department General Note:

1216.2(1).

Private Fire Service Underground Mains and appurtenances shall be installed in accordance with the most currently adopted International Fire Code, City of Las Cruces Utility Standards, and the LCFD approved plans. Any work shall remain open and uncovered until inspected by Las Cruces Fire Department. To request inspection or to witness testing go to https://aca.accela.com/lascruces online or call 528-3222 not less than 24 hours prior to covering any work or scheduling a test. Whenever any installation subject to inspection is covered or concealed without having first been inspected, the fire code official shall have the authority to require that such work be fully exposed and easily accessible for inspection

FIXTURE	OCCUPANCY	TYPE OF SUPPLY CONTROL	Number of Eightures	7	Total WSFU	J			
FIXTURE	OCCUPANCY	TIPE OF SUPPLY CONTROL	Number of Fixtures	Cold	Hot	Total			
Ice Cuber	Offices, etc.	3/8" valve	1	0.25	0	0.25			
Kitchen sink	Hotel, restaurant	Faucet	2	6	6	8			
Lavatory	Public	Faucet	2	3	3	4			
Service sink	Offices, etc.	Faucet	4	9	9	12			
Water closet	Public	Flush tank	2	10	0	10			
		TOTALS	11	28.25	18	34.25		Total GPM	
							Cold	Hot	Total
							23.0	18.8	25.9

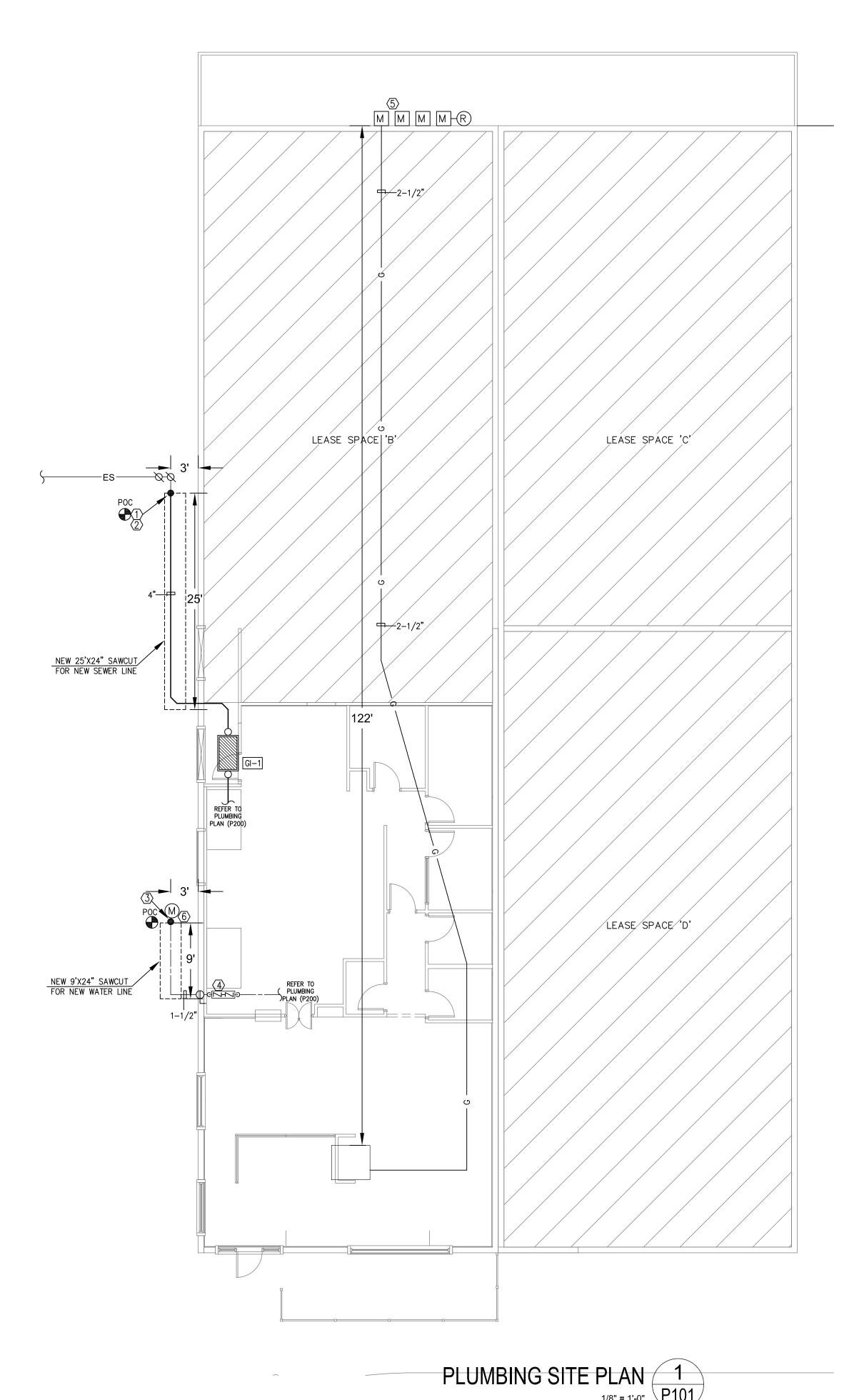
EQUIPMENT	QUANTITY	DEMAND (EACH, BTUH)	TOTAL DEMAND (BTUH)
ERTU-1	1	96,000	96,000
RTU-1	1	60,000	60,000
MAU-1	1	156,000	156,000
WH-1	1	85,000	85,000
FRYER	1	120,000	120,000
GRIDDLE	1	90,000	90,000
RANGE	2	100,000	200,000
HOT FOOD UNIT	1	10,000	10,000
TOTAL DEMAND			817,000

#### **KEYED NOTES**

- (1) POINT OF CONNECTION PLUMBING CONTRACTOR TO CONNECT NEW WASTE LINE TO EXISTING SEWER MAIN LINE. FIELD VERIFY EXACT LOCATION OF EXISTING SEWER MAIN LINE PRIOR TO COMMENCING ROUGH IN
- (2) CONTRACTOR MUST FIELD VERIFY EXACT INVERT OF EXISTING MAIN SEWER LINE PRIOR TO MAKE ANY CONNECTIONS. CONTRACTOR TO NOTIFY OWNER/ARCHITECT/ENGINEER AS SOON AS INVERT ARE VERIFIED AND ENSURE THEY CAN BE MET.
- $\overline{\langle 3 \rangle}$  POINT OF CONNECTION LOCAL WATER UTILITY TO CONNECT NEW 1-1/2" WATER LINE TAPPED CONNECTION TO EXISTING WATER MAIN LINE. FIELD VERIFY EXACT INVERT AND LOCATION OF EXISTING SERVICE WATER MAIN LINE PRIOR TO COMMENCING ROUGH IN WORK. LOCAL WATER UTILITY RESPONSIBLE FOR ALL PAVEMENT CUTS AND PATCHING FOR UTILITY CONNECTIONS.
- $\langle 4 \rangle$  NEW 1-1/2" BACKFLOW PREVENTER WHERE SHOWN. INSTALL VERTICALLY AND VERIFY WITH LOCAL UTILITY PRIOR TO INSTALLATION.
- (5) EXISTING GAS METER BANK AND REGULATOR ASSEMBLY CAPABLE OF 817.00CFH MINIMUM. NEW METER / REGULATOR ASSEMBLY AND YARD LINE. YARD LINE TO BE PROVIDED AND INSTALLED BY LOCAL GAS UTILITY SERVICE. PLUMBING CONTRACTOR TO COORDINATE AND PAY FOR ALL FEES ASSOCIATED WITH LOCAL GAS UTILITY SERVICE WORK.
- 6 NEW 1" DOMESTIC WATER METER PROVIDED AND INSTALLED BY LOCAL WATER UTILITY COORDINATE WITH THE OWNER TO PAY FOR ALL FEES ASSOCIATED WITH THE INSTALLATION OF THE NEW METER.

### GENERAL NOTES

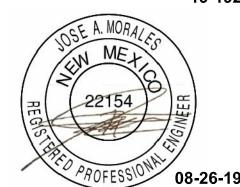
- 1. COORDINATE THE FINAL LOCATION OF WATER, SEWER WITH LOCAL UTILITY SERVICE.
- 2. EXISTING WATER PRESSURE AND SEWER INVERTS WERE UNABLE TO BE OBTAINED BY THE TIME OF PROJECT COMPLETION. CONTRACTOR TO VERIFY EXISTING SEWER INVERTS AND WATER PRESSURE PRIOR TO COMMENCING WORK AND SHALL NOTIFY ENGINEER OF IMMEDIATELY IF EXISTING PRESSURE IS INSUFFICIENT, OR IF THE SEWER INVERT CANNOT BE MET.





www.studio-d.biz





REMODEL

## MATTEO'S **RESTAURAN**

138 S. Main St. Las Cruces, New Mexico

REVISION

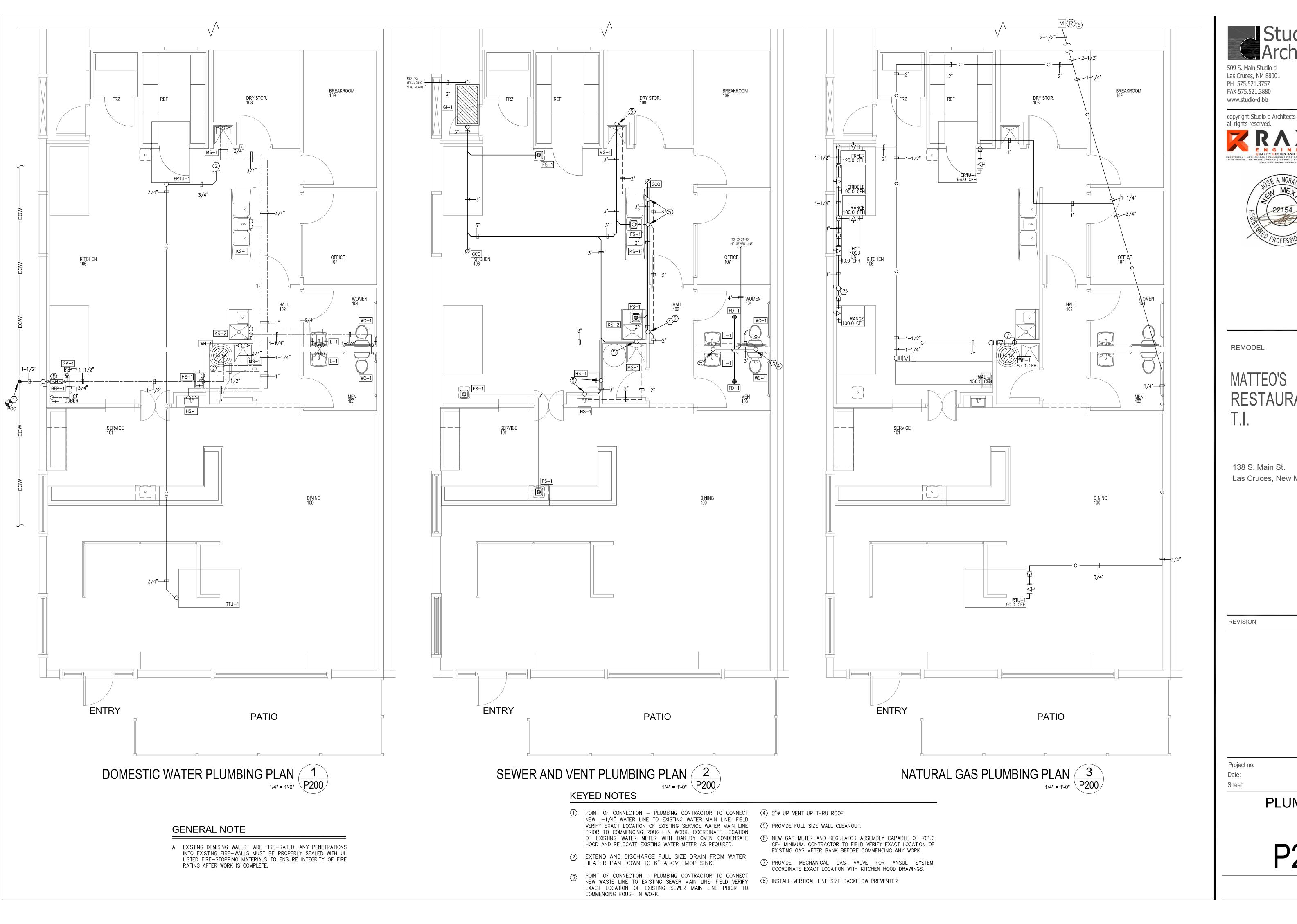
Project no: Date:

Sheet:

August 2019

DATE

**PLUMBING** SITE PLAN



509 S. Main Studio d Las Cruces, NM 88001 PH 575.521.3757 FAX 575.521.3880





REMODEL

RESTAURANT

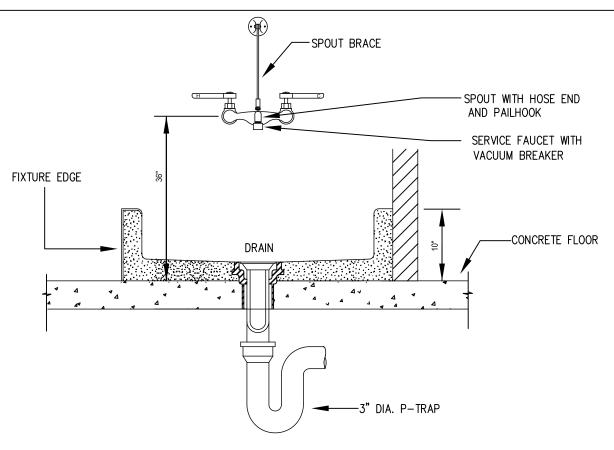
138 S. Main St. Las Cruces, New Mexico

Project no:

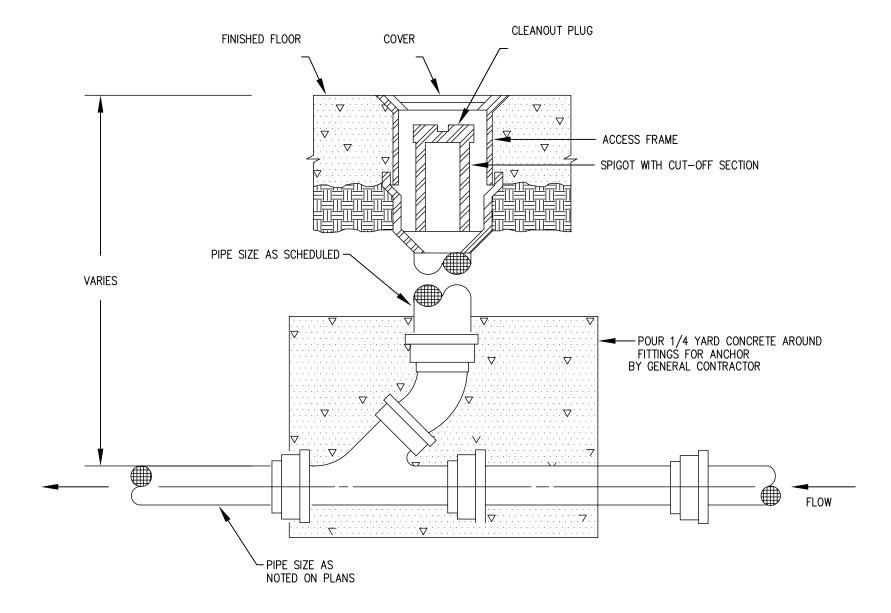
August 2019

DATE

PLUMBING PLAN



## SINK DETAIL NOT TO SCALE



FLOOR CLEANOUT DETAILS
P300

GT 2701-50

ZURN WILKINS

950XL2

Z1400 ZURN

Z1402

ZW1070-XL

GI-1 INTERCEPTOR

LOW PROFILE

BFP-1 BACKFLOW PREVENTER

FCO FLOOR CLEANOUT

WCO WALL CLEANOUT

GCO GRADE CLEANOUT

SA-1 SHOCK ABSORBER

MXV-1 MIXING VALVE

DGCO DOUBLE GRADE CLEANOUT

4LB. SHEET LEAD BASE -\_\_4LB. SHEET LEAD TURN DOWN INTO VENT 2" MIN. SET IN PLASTIC CEMENT SEE ARCH. DWGS. FOR ROOF B" ABOVE FINISHED CONSTRUCTION SEE PLAN FOR VENT SIZE

NOT TO SCALE

SINGLE COLD WATER ANGLE STOP

## VENT THRU ROOF

TEMPERED WATER—

SUPPLY 110°F

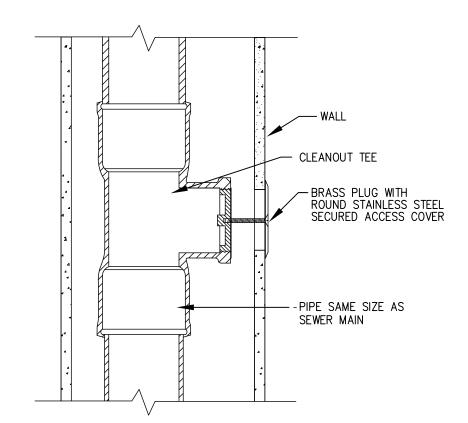
WATTS MIXING VALVE MODEL# USG B

SINGLE HOT WATER - HT ANGLE STOP

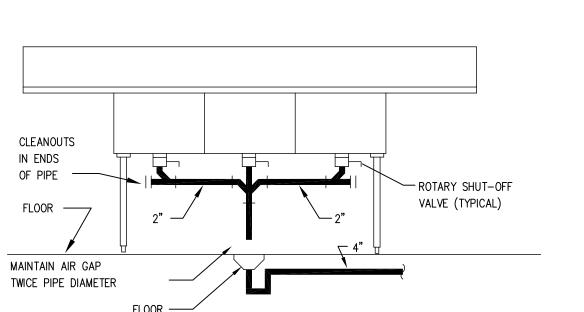
TEMPERED WATER

SUPPLY 140°F

MIXING VALVE DETAIL



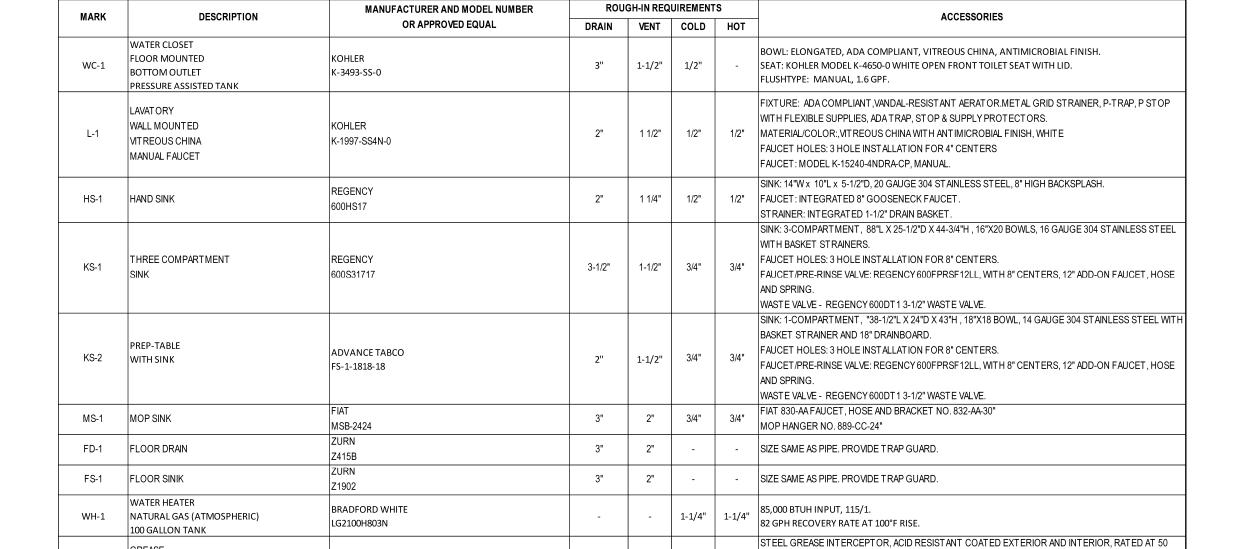
WALL CLEANOUT DETAIL



NOT TO SCALE

ROUTE COMBINED GREASE DRAIN LINE TO WALL. ROUTE VENT UP, AND SANITARY DOWN AS SHOWN ON PLANS. ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS OR MEET LOCAL CODE REQUIREMENTS. DWV

COPPER PIPE, FITINGS AND CONNECTORS ALL AROUND SINK. SCULLERY SINK DRAIN DETAIL
P300



SIZED

SIZED

2" TO 4"

2" TO 4"

2" TO 4"

2" TO 4"

PLUMBING FIXTURE SCHEDULE

NOT TO SCALE

GPM AND 100 LBS GREASE CAPACITY, GASKETED SECURE COVER WITH CENTER TIE DOWN,

1108. (49-7/8"L X 29"W X 10"H) PROVIDE CONCRETE VAULT.

MANUFACTURER SPECIFICATIONS.

AND INTEGRAL MOUNTING HOLES.

MODEL: 950XL2 REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER.

REMOVABLE PRESSURE FLOW DIFFUSING BAFFLE, PROVIDE FLOW CONTROL FITTING ZURN # Z-

DOMESTIC WATER SERVICE TO THE BUILDING SHALL BE PROTECTED BY AN APPROVED BACKFLOW

ZURN #Z1700, FULLY MECHANICAL WATER HAMMER ARRESTER SIZED AND LOCATED PER THE

ZURN WILKINS MODEL #ZW1070-XL AQUA-GARD THERMOSTATIC MIXING VALVE, WITH BRONZE BODY

PREVENTER AND SHALL BE RATED FOR 150 PSI. PROVIDE WITH FULL PORT QT BALL VALVES, "Y" TYPE

	PIPING	MATERIAL SCHEDULE
1	WATER PIPE (ABOVE GROUND)	CROSSLINKED POLYETHYLENE (PEX) TUBING WITH BRASS INSERT FITTINGS SECURED TO WALLS. NO PEX PIPING SHALL BE INSTALLED WHERE IT IS EXPOSED TO DIRECT SUNLIGH OR COPPER PER SPECS.
2	WATER PIPE (BELOW GROUND)	CROSSLINKED POLYETHYLENE (PEX) TUBING WITH BRASS INSERT FITTINGS. NO JOINT OR UNIONS SHALL BE INSTALLED BELOW THE BUILDING SLAB OR COPPER PER SPECS.
3	SEWER AND VENT PIPE (ABOVE AND BELOW GRADE)	INSIDE BUILDING SERVICE WEIGHT (HUBLESS) CAST IRON SOIL PIPE AND STAINLES STEEL NO HUB COUPLINGS OR ABS OR PVC PER SPECS.
4	CONDENSATE DRAIN PIPE AND INDIRECT DRAINAGE PIPE (INTERIOR TO BUILDING)	TYPE 'DWV' POLYVINYL CHLORIDE PVC PIPING.
5	CONDENSATE DRAIN PIPE (EXTERIOR TO BUILDING)	TYPE 'DWV' POLYVINYL CHLORIDE PVC PIPING.
6		INSIDE BUILDING SERVICE WEIGHT (HUBLESS) CAST IRON SOIL PIPE AND STAINLES STEEL NO HUB COUPLINGS. INSULATE WITH 1/2" ARMAFLEX CLOSED CELL PIP INSULATION WITH SELF SEALING ADHESIVE JOINTS, OR EQUIVALENT OR ABS OR PV PER SPECS.
7	GAS PIPE	SCHEDULE 40 BLACK STEEL WITH MALLEABLE IRON FITTINGS. WELDED JOINTS FOR PIP 2-1/2" AND LARGER AND ALL JOINTS BELOW GRADE.
8	SLEEVE PIPE FOR REFRIGERANT, CO2 AND SYRUP BUNDLES	SCHEDULE 40 PVC EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE, AND MUST B WATER TIGHT. ALL BENDS MUST BE NO LESS THAN 24" RADIUS SWEEPS.
9	PVC AND PEX PIPING	IS ALLOWED FOR INSTALLATION WHERE APPROVED BY THE JURISDICTION HAVING AUTHORITY. PROVIDE WRITTEN APPROVAL TO THE ARCHITECT/ ENGINEER FO DOCUMENTATION. STUB OUTS TO BE BRASS OR METAL NIPPLES SECURED TO WALLS PRIOR TO SETTINF OF FIXTURES.



509 S. Main Studio d

Las Cruces, NM 88001

PH 575.521.3757

FAX 575.521.3880

www.studio-d.biz

REMODEL

**RESTAURAN** 

138 S. Main St. Las Cruces, New Mexico

REVISION

DATE

Project no: August 2019 Date: Sheet:

PLUMBING DETAILS

ELE	CTRICAL SYMBO	) [	LEGEN	ID					ELEC	TRICAL SYME	SOL L	EGEND
ALL MOUN ARCHITECT	MBOLS COMPRISE A STANDARD LIST; NO TING HEIGHTS ARE TO CENTER OF DEVIC TURAL WALL ELEVATIONS OR AS NOTED S INTED HEIGHTS LISTED BELOW.	E ABO	VE FINISHED FL	LOOR, MOUNTING HEIGHTS INDICATED ON					A OR AMP	AMPERE  AMP FUSED	NEC NEUT NEMA	NATIAL ELECTRIC CODE NEUTRAL
	LIGHTING SYMBOLS			POWER SYMBOLS		SPE	CIAL SYSTEMS SYMBOL	S	AFF AHU	ABOVE FINISH FLOOR  AIR HANDLING UNIT	NEMA	NATIONAL ELECTRICAL MANUFACTURER ASSOCIATION
SYMBOL	DESCRIPTION	MTG.	SYMBOL	DESCRIPTION	MTG. HT.	SYMBOL	DESCRIPTION	MTG.	AIC	AMPS INTERRRUPTING CAPACITY	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
4	FLUORESCENT OR LED LIGHTING FIXTURE,	1111	<b>⊕</b>	JUNCTION BOX	1111.		DATA /TEL DOV IN WALL 4" CO DEED I DOV	1	AL	ALUMINUM	NF	NON FUSED
	CAPITAL LETTER INDICATES FIXTURE TYPE, REFER TO FIXTURE SCHEDULE		<b>⊕</b>	DUPLEX RECEPTACLE OUTLET, WALL MOUNTED	18"	K	DATA/TEL. BOX IN WALL, 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING, STUB UP	18"	AC	ABOVE COUNTER	NO	NORMALLY OPEN
	DIRECTIONAL LIGHT, LETTER IDICATES FIXTURE			SYM DESCRIPTION COLOR	-		1" WITH PULLSTRING TO ABOVE ACCESSIBLE CEILING		COND./C	CONDUIT	РВ	PUSHBUTTON
<b>Ø</b> E	TYPE, REFER TO FIXTURE SCHEDULE			STANDARD 20A IVORY/WHITE	1		DATA BOX IN WALL, 4" SQ. DEEP J-BOX WITH	18"	CKT	CIRCUIT	PC	PHOTOCELL
<u></u> ОН	WALL MOUNTED FIXTURE, CAPITAL LETTER			IG ISOLATED GROUND ORANGE W/ TRIANGLE IDENTIFICATION		M	SINGLE GANG PLASTER RING, STUB UP 1" WITH PULLSTRING TO ABOVE ACCESSIBLE	10	CLG	CEILING	PH	PHASE
	INDICATES FIXTURE TYPE, REFER TO FIXTURE SCHEDULE			GFI 20A GFI RATED IVORY/WHITE UPS 15A OR 20A FOR UPS GRAY			CEILING		CONN	CONNECTION	PNL	PANEL
	RECESSED CAN FIXTURE, CAPITAL LETTER			D DEDICATED 5-20R GRAY EM EMERGENCY RED			TEL. BOX IN WALL, 4" SQ. DEEP J-BOX WITH	18"	CU	CUPPED	PRV	POWER ROOF VENTILATION
<u> </u>	INDICATES FIXTURE TYPE, REFER TO FIXTURE SCHEDULE			C CHILD PROOF WHITE	-	K	SINGLE GANG PLASTER RING, STUB UP 1" WITH PULLSTRING TO ABOVE ACCESSIBLE		DISC EC	DISCONNECT ELECTRICAL CONTRACTOR	PS PVC	PHOTO CELL PLASTIC CONDUIT
<b>⟨</b> }EF−1	EXHAUST FAN, REFER TO MECHANICAL PLANS		<b>€</b>	DUPLEX RECEPTACLE OUTLET GFI RATED, WALL MOUNTED	44"	_	CEILING		EM EM	EMERGENCY	RECEP	RECEPTACLE
<b>√</b> ı	DOLE HOLTENS SWEETS A STATE OF		€	120/250VAC - 30A. 10-30R, RECEPTACLE WALL MOUNTED	18"	В	CHIME FOR DOOR BELL, WALL MOUNTED		EQUIP	EQUIPMENTS	RTU	ROOF TOP UNIT
<b>-</b>	POLE LIGHTING FIXTURE, CAPITAL LETTER INDICATES FIXTURE TYPE, REFER TO FIXTURE		<del></del>	SWITCHED OUTLET, SPLIT WIRE	18"	T	TRANSFORMER. VERIFY WITH MANF.		EWC	ELECTRICAL WATER COOLER	SW	SWITCH
P2 .	SCHEDULE  DECORATIVE POLE LIGHTING FIXTURE, CAPITAL		<b>b</b>	1/2 SWITCHED, 1/2 HOT		$\Box$	THERMOSTAT,BY OTHERS, PROVIDE 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER	48"	EWH	ELECTRICAL WATER HEATER	TC	TIMER CONTACTOR
<del>-</del> ф	LETTER INDICATES FIXTURE TYPE, REFER TO		₩	QUADRUPLEX RECEPTACLE, WALL MOUNTED	18"		RING		FA	FIRE ALARM	TEL	TELEPHONE
	FIXTURE SCHEDULE  BOLLARD LIGHTING FIXTURE, CAPITAL LETTER			FLOOR BOX WITH DUPLEX RECEPTACLE		(S)	HVAC CONTROLS, BY OTHERS, PROVIDE 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER	48"	FLA	FULL LOAD AMPERES	T OR TRAN	TRANSFORMER TYPICAL
$\Phi_{\mathbb{N}}$	INDICATES FIXTURE TYPE, REFER TO FIXTURE		$\Box \Box \Box \Box$	AND SINGLE GANG TEL/DATA		9	RING, 1" CONDUIT TO ACCESSIBLE CEILING		FLOUR -	FLUORESCENT	UG	UNDER GROUND
	SCHEDULE		<b># T</b>	FLOOR BOX WITH QUADRUPLEX RECEPTACLE AND SINGLE GANG TEL/DATA			DATA/TEL. BOX IN WALL, 4" SQ. DEEP J-BOX		 	FUSE	UH	UNIT HEATER
	CEILING FAN WITH OR WITHOUT LIGHTING KIT, CAPITAL LETTER INDICATES FIXTURE TYPE,			DUPLEX RECEPTACLE OUTLET, CEILING		$\triangleleft$ $\forall$	WITH SINGLE GANG PLASTER RING, STUB UP 1" WITH PULLSTRING TO ABOVE ACCESSIBLE		GC GFI	GENERAL CONTRACTOR  GROUND FAULT INTERRUPTER	UV	UNIT VENTILATOR
00	REFER TO FIXTURE SCHEDULE		igorphi	MOUNTED			CEILING		GND GND		V	VOLT
<b>∸</b> EM	EMERGENCY LIGHT, CAPITAL LETTER INDICATES FIXTURE TYPE, REFER TO FIXTURE		⊭	DUPLEX RECEPTACLE OUTLET, STUBB-UP 18" AFF FOR EQUIPMENT		В	BUZZER, CEILING MOUNTED OR WALL		GRS	GROUND GALVANIZED RIGID STEEL	VA	VOLT AMPERES
	SCHEDULE			·			MOUNTED, PROVIDE 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING		HP	HORSE POWER	W	WATTS
<b>3</b> X1	EXIT LIGHT, CAPITAL LETTER INDICATES FIXTURE TYPE, REFER TO FIXTURE SCHEDULE			ELECTRICAL WIRING THRU WALL OR CEILING					HZ	HERTZ	WP	WEATHER PROOF
<b>3</b> /\ 1	,		, –	ELECTRICAL WIRING BELOW FLOOR OR GRADE		P	PUSH BUTTON FOR BUZZER, CEILING MOUNTED OR WALL MOUNTED, PROVIDE 4"		IG	ISOLATED GROUND	W/O	WITHOUT
\$	WALL SWITCH, 20A SINGLE POLE, SINGLE TROW	48"	—E ∪G	ELECTRICAL FEEDER, UNDER GRADE			SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING		J-B0X	JUNCTION BOX	WTR	WATER
	SYM DESCRIPTION SYM DESCRIPTION	1	—	TELEPHONE CONDUIT WITH PULLSTRING			PUSH BUTTON FOR DOOR OPENER, CEILING		KV	KILOVOLT	Y	WYE CONNECTED PHASE
	ab SWITCH LEG CONTROL P RED PILOT LIGHT 2 DOUBLE POLE T ROTARY TIMER	1				PB	MOUNTED OR WALL MOUNTED, PROVIDE 4"		KVA	KILOVOLT AMPERES	Ψ	FNASE
	3 THREE WAY M HORSE POWER MOTOR 4 FOUR WAY RATED SWITCH			RACEWAY/WREWAY ASSEMBLY DOWN RACEWAY/WREWAY ASSEMBLY UP			SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING		KW	KILOWATT		
	D SLIDER DIMMER OR OCCUPANCY SENSOR, (1400W MIN.) WITH BYPASSINFRA-			STUBBED CONDUIT, TERMINATE WITH ISOLATED			3/4" FIRE RATED PLYWOOD WITH #6 CU.		LTG	LIGHTING		
	K KEYED SWITCH (WITH RED SENSOR			PLASTIC BUSHING			GROUND TO BUILDING GROUNDING SYSTEM		MC/MECH MCM	MECHANICAL CONTRACTOR		
	TOOL) WITH BYPASS			HOME RUN TO PANELBOARD, CROSS MARKS		FIRE A	ALARM SYSTEM SYMBOL	_S	MTD	THOUSAND CIRCULAR MIL MOUNTED		
	B BYPASS SWITCH ULTRASONIC SENSOR  LV LOW VOLTAGE SWITCH OC OCCUPANCY SENSOR,		— <b>-  Î►</b>	INDICATE QUANTITY OF WIRE, ARROWS INDICATE QUANTITY OF CIRCUITS, NUMBERS		SYMBOL	DESCRIPTION	MTG. HT.	NC	NORMALLY CLOSED		
	WITH BYPASS DUAL TECHNOLOGY			INDICATE PANEL AND CIRCUITS			PULL STATION WITH STOPPER, PROVIDE 4"	1111.	DEEN	JITIONIC		
_	CEILING MOUNTED OCCUPANCY SENSOR, WITH	1		HOME RUN TO PANELBOARD, CROSS MARKS INDICATE QUANTITY OF WIRES, ARROWS		×	SQ. DEEP J-BOX WITH SINGLE GANG PLASTER	48"		VITIONS		
$\bigcirc$ oc	BYPASS SWITCH WALL MOUNTED			INDICATE QUANTITY OF CIRCUITS, SOLID CIRCUIT INDICATED GROUND, OPEN CIRCLE			RING, 1" CONDUIT TO ACCESSIBLE CEILING		CONTRACTOR	MEANS THE PERSON(S), FIRM OR COL		
	SYM DESCRIPTION	]		INDICATE ISOLATED GROUND, NUMBERS INDICATE PANEL AND CIRCUITS		<b>M</b> o	STROBE, NUMBER DENOTES 'cd' RATING,	96"		FOR THE ELECTICAL INSTALLATION HATTHE EMPLOYER AND INCLUDE THE CO		
	OR OCCUPANCY SENSOR, WITH BYPASS INFRA-RED SENSOR					45	PROVIDE 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING, 1" CONDUIT TO			SUCCESSOR, AND PERMITTED ASSIGNS	ò.	,
	OU OCCUPANCY SENSOR, WITH BYPASS		— <b>⋕</b>	HOME RUN TO PANELBOARD, CROSS MARK ON ARROW INDICATE CIRCUIT CONTINUES TO			ACCESSIBLE CEILING			(The word "Contractor" may also mention the context requires.)	ın sub-contrac	tor as
	ULTRASONIC SENSOR		1117	OTHER DEVICE.		Md	PROVIDE 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING, 1" CONDUIT TO	96"		MEANS THE DRAWINGS REFEREED TO	IN THE CONTR	ACT AND ANY
	OCCUPANCY SENSOR, WITH BYPASS DUAL TECHNOLOGY SENSOR (INFRARED & ULTRASONIC)		ΙIT	HOME RUN TO PANELBOARD, CROSS MARK INDICATE CIRCUIT CONTINUES TO OTHER DEVICE.		⊠\ 45	ACCESSIBLE CEILING RATING, PROVIDE 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING, 1" CONDUIT TO ACCESSIBLE CEILING		DRAWINGS	MODIFICATION OF SUCH DRAWNGS AF SUCH OTHER DRAWNGS AS MAY FRO APPROVED IN WIRING BY ARCHITECT.	PROVED BY TH	E ARCHITECT AND
			ΙĴ	HOME RUN, CROSS MARK INDICATE CIRCUIT, HALF CIRCUICLE INDICATE SWITCH LEGS		<b>§</b> <b>⊗</b>	SMOKE DETECTOR  CARBON MONOXIDE/SMOKE DETECTOR		EQUIPMENT SUPPLIER	MEANS A PERSON WHO GENERATE, S EQUIPMENT FOR USE IN THE PROJEC		ELLS SPECIAL
				PANELBOARD, REFER TO CORRESPONDING		<b>®</b>	DUCT DETECTOR		PROVIDE	FURNISH AND INSTALL, UNLESS OTHE	RWISF NOTFD	
				PANEL SCHEDULE		FACP	FIRE ALARM CONTROL PANEL WITH		OR EQUAL	EQUAL IN QUALITY AND FUNCTION.		
							DIGITAL NOTIFIER  FIRE ALARM REMOTE ENUNCIATOR				DWICE NATES	
						FARA   KP	FIRE ALARM KEY PAD		INSTALL	FURNISH AND INSTALL, UNLESS OTHE	KWISE NOTED.	

#### **ELECTRICAL GENERAL NOTES**

- A. THE ELECTRICAL CONTRACTOR SHALL FAMILIARIZED THEMSELVES WITH THE PROJECT CONDITIONS.
- B. THE ELECTRICAL CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH ALL ARCHITECTURAL AND MECHANICAL EQUIPMENT AND PROVIDE ELECTRICAL CONNECTIONS IN THIS CONTRACT FOR ANY ITEM REQUIRED.
- C. THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH PROJECT PRIOR TO THE BID OPENING, TO ALLOW HIM TO SUBMIT A COMPLETE BID WITHIN THE SCOPE OF THE DRAWINGS AND SPECIFICATIONS. ANY QUESTIONS ARISING DURING THE BID PERIOD, IN REGARD TO THE CONTRACTOR'S FUNCTIONS, THE SCOPE OF THE WORK OR ANY OTHER ISSUE RELATED TO THIS PROJECT SHALL BE BROUGHT UP DURING THE BID PERIOD WITH THE ENGINEER FOR CLARIFICATION PRIOR TO AWARD OF CONTRACT.
- D. IT WILL BE THE CONTRACTOR'S OBLIGATION TO INCLUDE, IN THEIR BID, THE COSTS FOR INSTALLING JUNCTION BOXES, PROVIDING MISCELLANEOUS COVERS, WORK WITH OTHER DISCIPLINES WHERE THE CONTRACT INVOLVES ELECTRICAL POWER OR CONTROL CONNECTIONS, SWITCHES, ETC. ALL OF THIS WORK SHALL BE PART OF THIS CONTRACT.
- E. LOCATION OF EQUIPMENT AND OTHER DEVICES SHOWN ON THE PLANS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED, COORDINATE WITH ARCHITECTURAL DOCUMENTS FOR EXACT LOCATIONS.
- F. THE CONDUIT RUNS AS SHOWN ON PLANS INDICATE APPROXIMATE ROUTING. EXACT LOCATION OF CONDUIT RUNS SHALL BE AS FIELD CONDITIONS DICTATE.
- G. CONTRACTOR SHALL INSTALL PULL AND JUNCTION BOXES WHEREVER REQUIRED BY N.E.C. OR JOB CONDITIONS. ALL NEW WIRING SHALL BE TAGGED AT ALL PULL BOXES, JUNCTION BOXES, EQUIPMENT BOXES AND CABINETS WITH APPROVED PLASTIC TAGS. ACTION CRAFT, BRADY OR APPROVED EQUAL.
- H. SHOULD CONTRACTOR AT ANY TIME NOTICE THAT THE ACTUAL FIELD CONDITIONS DO NOT CORRESPOND TO THE INFORMATION GIVEN ON THE DRAWINGS, THEN IT WILL BE THEIR RESPONSIBILITY TO NOTIFY THE ENGINEER FOR CLARIFICATION, PRIOR TO COMMENCING SUCH WORK.
- I. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH ALL TRADES FOR THE EXACT LOCATION OF EQUIPMENT AND APPURTENANCES THAT REQUIRE ELECTRICAL CONNECTIONS.
- J. CONTRACTOR SHALL MAKE AS-BUILT DRAWINGS DOCUMENTING ANY AND ALL WIRING AND EQUIPMENT CONDITIONS AND CHANGES WHILE COMPLETING THIS CONTRACT. PROVIDE UPDATED TYPEWRITTEN DIRECTORIES FOR ALL PANELS AND LABEL ALL PANELS WITH PLASTIC LAMINATED NAMEPLATES.
- K. INSTALL BLANK DEVICE PLATES ON ALL UNUSED JUNCTION BOXES IN FINISHED AREAS.
- L. ALL ELECTRICAL WIRING AND HOME RUN CIRCUITING TO PANELS SHALL BE ROUTED IN CONDUIT, MIN SIZE 3/4" EMT CONDUIT IF NOT NOTED ON DRAWINGS.
- M. REFER TO POWER PLANS FOR DETAILED LAYOUTS OF ELECTRICAL GEAR.
- N. AFTER THE CONTRACTOR HAS RECEIVED APPROVED SHOP DRAWINGS FOR THE ELECTRICAL DISTRIBUTION EQUIPMENT, THEY SHALL SUBMIT SCALED LAYOUTS OF ALL ELECTRICAL EQUIPMENT TO THE ENGINEER FOR APPROVAL TO ENSURE THAT ALL CLEARANCE REQUIREMENTS ARE MET. THIS SUBMITTAL SHALL BE PROVIDED WITH SUFFICIENT TIME SO AS NOT INTERFERE WITH THE TIMELY EXECUTION OF THE ROUGH-IN WORK THAT WILL BE REQUIRED.
- O. WHEREVER REQUIRED, FURNISH AND INSTALL ON WALL OR CEILING FREESTANDING UNISTRUT CHANNELS, ANGLE IRONS OR ANY OTHER THE SUPPORT OF ELECTRICAL EQUIPMENT OF ANY KIND TO ENSURE PROPER INSTALLATION.
- P. ALL NEW WIRING SHALL BE COPPER, MIN #12 THWN CU.
- Q. MOUNTING HEIGHTS INDICATED ON THE DRAWINGS ARE APPROXIMATE. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH OTHER TRADES FOR EXACT HEIGHT REQUIRED. THIS REQUIREMENT ALSO APPLIES TO THE LOCATION OF WALL BOXES FOR HVAC SENSORS, T-STATS, ETC. THIS NOTE APPLIES TO ALL ELECTRICAL SHEETS IN THESE DRAWINGS: OUTLET DEVICES THAT HAVE TO BE RELOCATED DUE TO COUNTERTOP, CHALKBOARD, TACKBOARD, TYPE CONFLICTS WILL BE DONE AT NO ADDITIONAL COST TO THE OWNER.
- R. ELECTRICIAN TO CONFIRM POWER REQUIREMENTS FOR MECHANICAL EQUIPMENT DELIVERED ON SITE.

- S. ALL EXPOSED CONDUIT SHALL BE PAINTED TO MATCH ARCHITECTURAL WALL OR CEILING.
- T. CONTRACTOR SHALL SAW CUT AND PATCH ASPHALT, CONCRETE OR OTHER MATERIAL ENCOUNTERED AS REQUIRED TO INSTALL NEW UNDERGROUND RACEWAY. REFER TO ARCHITECTURAL REGARDING PATCHING REQUIREMENTS.
- U. CONTRACTOR SHALL COORDINATE INSTALLATION OF NEW LAY-IN FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLAN AND
- V. PROVIDE BLANK METAL COVERPLATE OVER ALL UNUSED OUTLET BOXES. PAINT COVERPLATE TO MATCH ADJACENT SURFACES.

MECHANICAL DIFFUSERS PRIOR TO INSTALLATION OF FIXTURES.

- W. OUTLET MOUNTING HEIGHTS INDICATED ON THE DRAWINGS ARE APPROXIMATE. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH OTHER TRADES FOR EXACT HEIGHT REQUIRED. THIS REQUIREMENT ALSO APPLIES TO SWITCHES, TELEPHONE OUTLETS, DATA OUTLETS, HVAC SENSORS, ETC.. ANY DEVICE THAT HAS TO BE RELOCATED DUE TO CONTRACTOR'S FAILURE TO COORDINATE LOCATION WITH COUNTERTOPS, CHALKBOARDS, TACKBOARDS, ETC. WILL BE DONE AT NO ADDITIONAL COST TO THE OWNER.
- X. ALL RECEPTACLES TO BE 20A COMMERCIAL GRADE, IVORY. WALL PLATES TO MATCH. ISOLATED GROUND DUPLEX RECEPTACLES (IG) WILL BE ORANGE BODY AND FACE PLATE.
- Y. INSTALL WALL MOUNTED LIGHT FIXTURES, SWITCHES, OUTLETS, AND COMMUNICATION DEVICES IN STRICT COORDINATION WITH ARCHITECTURAL DETAILS, SECTIONS AND ELEVATIONS.
- Z. FIRESTOPPING OF PENETRATIONS IN FIRE-RATED WALLS, FLOORS, etc. SHALL BE DONE BY A FIRESTOPPING CONTRACTOR. ELECTRICAL CONTRACTOR SHALL MAKE REQUIRED PENETRATIONS IN RATED WALLS, FLOORS, etc. NEATLY AND WITH A CUTTING TOOL, THE CONTRACTOR SHALL MAKE THE PENETRATIONS NO LARGER THAN NECESSARY, AND THE CONTRACTOR SHALL COORDINATE ALL SUCH PENETRATIONS WITH THE FIRE STOPPING CONTRACTOR BEFORE SUCH PENETRATIONS ARE
- AA. PROVIDE 1" CONDUIT WITH PULLSTRING FROM COMMUNICATION OUTLETS TO ABOVE SUSPENDED CEILING.
- BB. SUPPORT ALL FIXTURES FROM STRUCTURE ABOVE. CEILING TILES OR PLASTER CEILING SHALL NOT SUPPORT FIXTURES.
- CC. FINISHED FLOOR ELEVATIONS FOR OUTLETS AND OTHER DEVICES ARE TO CENTER OF BOX. WHERE MILLWORK IS PRESENT, BOTTOM OF BOX SHALL BE MINIMUM OF 2" ABOVE BACK- SPLASH, REGARDLESS OF DIMENSION SHOWN ON PLANS.
- DD. SUPPORT HORIZONTAL RUNS OF EMT CONDUIT EVERY 10'-0" AND AT EVERY FITTING, BOX, PANEL, ETC...
- EE. USE GLAND RING COMPRESSION THREADED FITTINGS WITH INSULATED THROAT FOR EMT CONDUIT. DOUBLE SET SCREW FITTINGS ARE ACCEPTABLE FOR 2-1/2" CONDUIT AND LARGER ONLY.
- FF. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR THE MECHANICAL EQUIPMENT'S ELECTRICAL REQUIREMENTS, INCLUDING POWER, CONTROL, COMMUNICATION, AND MONITORING, OF EACH DEVICE PROVIDED AND/OR INSTALLED BY MECHANICAL CONTRACTOR.
- GG. BEFORE INSTALLATION, EQUIPMENT AND DEVICES INCLUDING, BUT NOT LIMITED TO, ANY DEVICE WITH ELECTRICAL CONNECTIONS, DUCTWORK, INSULATION, PIPING, VALVES, AIR DEVICES, ETC., SHALL NOT BE STORED DIRECTLY ON GRADE OR ON A SLAB OR FLOOR. BEFORE AND AFTER INSTALLATION, SUCH EQUIPMENT AND DEVICES SHALL BE PROTECTED FROM ENTRY OF DIRT, TRASH, WATER (EXCEPT AS REQ'D), VERMIN, ETC..
- HH. DEVICES THAT MIGHT CAUSE OR OPERATE WITH VIBRATION OR NOISE SHALL BE ISOLATED PER MANUFACTURER'S RECOMMENDATIONS.
- II. ELECTRICAL DEVICE INSTALLATION SHALL COMPLY WITH ACCESSIBILITY CODES ADOPTED FOR NEW MEXICO. SPECIFICALLY MOUNT APPLICABLE SWITCHES, RECEPTACLES, AND ENVIRONMENTAL CONTROLS SO THAT THEY ARE MOUNTED WITH THE TOP OF THE DEVICE NO HIGHER THAN FOURTY-EIGHT (48 INCHES) ABOVE THE FINISH FLOOR AND THE BOTTOM OF THE DEVICE NO LOWER THAN FIFTEEN INCHES (15 INCHES) ABOVE THE FINISHED FLOOR. ELECTRICAL DEVICES ABOVE A COUNTERTOP OR OTHER OBSTRUCTION SHOULD COMPLY WITH ICC/ANSI 117.1-2003 SECTION 308.
- JJ. EXTERIOR LIGHTING SHALL COMPLY WITH THE LAS CRUCES OUTDOOR LIGHTING ORDINANCE AND THE NEW MEXICO NIGHT SKY PROTECTION.
- KK. THE MEANS OF EGRESS TRAVEL SHALL BE ILLUMINATED AT ANY TIME THE BUILDING IS OCCUPIED WITH A LIGHT INTENSITY OF NOT LESS THAN 1 FOOT CANDLE AT THE FLOOR LEVEL.
- LL. ABANDONED POWER WIRING WILL BE REMOVED BACK TO THE SOURCE. THE ACCESSIBLE PORTIONS OF ABANDONED CONDUIT/TUBING AND EQUIPMENT SHALL BE REMOVED. THE ACCESSIBLE PORTIONS OF ABANDONED CABLES (VOICE, DATA, VIDEO, ALARM, ETC.) SHALL BE
- MM. ALL CONDUIT INSTALLED ON THE ROOF MUST BE SUPPORTED, WITH CONDUIT SUPPORTS EVERY 10'-0". CONDUIT SUPPORT TO BE DURA-BLOCK, CONTRACTOR TO PROVIDED SIZED AND ACCESSORIES REQUIRED.
- NN. ALL GFCI RATED RECEPTACLE SHALL BE INSTALLED IN AN ACCESSIBLE SERVICE LOCATION, IT SHALL NOT BE INSTALLED BEHIND ANY EQUIPMENT. IF NEEDED CONTRACTOR SHALL HAVE THE OPTION TO PROVIDE A GFCI RATED CIRCUIT BREAKER WHERE REQUIRED BY CODE. ALL EQUIPMENT GFCI RATED RECEPTACLES SHALL NOT BE INSTALLED MORE THAN 12"FROM SERVING EQUIPMENT. COORDINATE ALL LOCATIONS WITH EQUIPMENT INSTALLER BEFORE DOING ANY WORK.

### **ELECTRICAL SPECIFICATIONS**

- 1. THE ELECTRICAL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE 6. PROVIDE THE OWNER WITH THREE (3) COPIES OF ALL INSTALLATIONS WITH THE APPLICABLE AND ADOPTED PROVISIONS OF THE NATIONAL ELECTRICAL CODE, ENERGY CODE AS ADOPTED AND INTERPRETED BY THE STATE OF NEW MEXICO AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) REGULATIONS, CURRENT ADOPTED EDITION REGARDING MECHANICAL SYSTEMS, FIRE SYSTEMS AND ELECTRICAL SYSTEMS. ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH RULES, REGULATIONS, AND ORDINANCES SHALL BE PROVIDED. WHERE THE DRAWINGS INDICATE MATERIALS OR CONSTRUCTION IN EXCESS OF CODE REQUIREMENTS, THE OWNER, ARCHITECT, AND ENGINEERS ARE FREE AND HARMLESS FROM LIABILITY OF ANY NATURE OR KIND ARISING FROM HIS FAILURE TO COMPLY WITH ALL APPLICABLE CODES AND ORDINANCES.
- 2. ALL WORK SHALL CONFORM WITH FEDERAL, STATE, AND LOCAL CODES, RULES, AND REGULATIONS. ALL WORK SHALL BE PERFORMED BY A LICENSED CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE SYSTEMS SHALL BE INSTALLED COMPLETE AND FULLY OPERATIVE UNLESS OTHERWISE INDICATED.
- 3 ALL MATERIALS SHALL BE NEW, EXCEPT WHERE NOTED OTHERWISE. ALL WORK SHALL PRESENT A NEAT AND MECHANICAL APPEARANCE WHEN COMPLETED AND SHALL BE EXECUTED IN A WORKMANLIKE MANNER.
- 4 REQUIRED INSURANCE SHALL BE PROVIDED BY THIS CONTRACTOR FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF WORK. CONTRACTOR SHALL SECURE AND PAY ALL PERMITS, FEES, INSPECTIONS, AND TESTS UNLESS OTHERWISE INDICATED. COORDINATE WITH ARCHITECT, ENGINEER, OR OWNER. SUBSTITUTIONS REQUESTED BY THE CONTRACTOR SHALL BE PAID FOR BY THE CONTRACTOR.
- 5. CONTRACTOR SHALL SUBMIT SPECIFIC INFORMATION ON LIST OF EQUIPMENT AND PRINCIPAL MATERIAL SPECIFIED. CONTRACTOR SHALL INDICATE AND/OR PROVIDE NAME OF MANUFACTURERS, CATALOG AND MODEL NUMBERS, CUT SHEETS, AND SUCH SUPPLEMENTARY INFORMATION AS NECESSARY FOR EVALUATION. MINIMUM OF SIX (4) COPIES, OR AS DIRECTED BY THE ENGINEER, OF EACH SECTION SHALL BE SUBMITTED AND SHALL INCLUDE ALL ITEMS MENTIONED BY MODEL NUMBER AND/OR MANUFACTURER'S NAME IN THE SPECIFICATION OR IN SCHEDULES ON THE DRAWINGS.

- INSTRUCTIONS, PRODUCT DATA SUBMITTAL INFORMATION, WARRANTIES. CONTACT INFORMATION DURING WARRANTY PERIOD AND BALANCING REPORTS IN 3-RING BINDERS.
- 7. ALL SYSTEMS AND COMPONENTS SHALL BE APPROVED FOR THE PURPOSE FOR WHICH INSTALLED. ALL EQUIPMENT AND MATERIALS SHALL BE NEW AND FROM ESTABLISHED AMERICAN SUPPLIERS UNLESS OTHERWISE INDICATED.
- 8. THE CONTRACTOR SHALL COORDINATE WITH OWNER, ARCHITECT, AND OR ENGINEER ANY WORK THAT HAS THE POTENTIAL TO HINDER ELECTRICAL SERVICES TO AREA OUTSIDE OF THIS CONTRACT. ALL SHUT-DOWNS OR TIE-INS RELATING TO THESE SYSTEMS SHALL BE SCHEDULED AND SUBMITTED IN WRITING TO BE APPROVED BY THE OWNER'S FACILITY MANAGEMENT, OWNER, ARCHITECT, OR ENGINEER. CONTRACTOR SHALL SUBMIT IN WRITING A SCHEDULE FOR PHASING OF CONSTRUCTION THAT INDICATES AREAS OF FIRST PRIORITY DURING EACH PHASE AND ANTICIPATED COMPLETION TIMES. SCHEDULES SHALL BE SUBMITTED A MINIMUM OF ONE WEEK PRIOR TO COMMENCING WORK. FACILITY MANAGEMENT, OWNER, ARCHITECT OR ENGINEER SHALL REVIEW THESE SCHEDULES AND NOTIFY CONTRACTOR OF ACCEPTANCE PRIOR TO COMMENCEMENT OF WORK.
- CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND PROVIDE A WRITTEN REPORT TO THE ARCHITECT OFFICE. THIS REPORT SHALL DESCRIBE EXISTING DAMAGE OR OTHER CONDITIONS THAT MAY INTERFERE WITH THIS PROPOSED NEW WORK. THIS SITE SURVEY SHALL ALSO INCLUDE VERIFICATION OF SIZES, LOCATIONS, AND CONDITIONS OF

  16. ENCLOSURES, BOXES, AND COVERS ARE REQUIRED TO CONFORM TO ALL EXISTING UTILITIES.
- 10. ALL WIRING SHALL BE RUN IN RIGID CONDUIT, INTERMEDIATE METALLIC CONDUIT (IMC) OR ELECTRICAL METALLIC TUBING (EMT) INSTALLED IN ACCORDANCE WITH THE NEC. MC CABLE IS ALLOWED IN WALLS ONLY. ALUMINUM CONDUIT SHALL NOT BE USED UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS. EMT OR ALUMINUM CONDUIT SHALL NOT BE INSTALLED IN CONCRETE SLABS OR BELOW GRADE. MINIMUM SIZE -3/4 INCH. ALL CONDUITS CONTAINING POWER CONDUCTORS SHALL CONTAIN A EQUIPMENT GROUND CONDUCTOR SIZED IN ACCORDANCE WITH THE NEC. A #9 PULL WIRE SHALL BE INSTALLED IN EACH EMPTY CONDUIT.

- 11. INCREASE BRANCH CIRCUIT WIRE SIZE AS REQUIRED TO PREVENT EXCESSIVE VOLTAGE DROP AS FOLLOWS: 60' TO 100' - #10 AWG; OVER 100' - #8 AWG.
- 12. THE CONDUIT SYSTEM AND NEUTRAL CONDUCTOR OF THE WIRING SYSTEM SHALL BE GROUNDED IN ACCORDANCE WITH THE NEC AND ALL 18. ALL DISCONNECTS SHALL BE HEAVY DUTY RATED. LOCAL CODES AND ORDINANCES. GROUNDING AND BONDING SHALL COMPLY WITH ALL THE APPLICABLE REQUIREMENTS OF THE NEC.
- 13. USE THE FOLLOWING WIRING COLOR CODE: A. FOR WIRE SIZES 10 AWG AND SMALLER, INSTALL WIRE COLORS IN ACCORDANCE WITH THE FOLLOWING:
  - 120/208 PHASE A BLACK BROWN PHASE B RED ORANGE PHASE C BLUE YELLOW NEUTRAL WHITE GRAY GROUND GREEN GREEN SWITCH PINK/PURPLE PINK/PURPLE
- <sup>14.</sup> BURIED ELECTRICAL CONDUITS SHALL BE MARKED PER CODE REQUIREMENTS WITH UNDERGROUND WARNING TAPE 3" BELOW FINISHED GRADE. TAPE SHALL BE 4" WIDE COLORED RED WITH SUITABLE WARNING LEGEND PER ASMB A13.1.
- 15. CONTRACTOR TO PROVIDE BLANK COVER FOR ALL J-BOXES AND WEATHERPROOF COVERS FOR J-BOXES IN WET LOCATIONS.
- TEST PROVISIONS OF THE MOST CURRENT ANSI/SCTE77. WHEN MULTIPLE "TIERS" ARE SPECIFIED THE BOXES MUST PHYSICALLY ACCOMMODATE AND STRUCTURALLY SUPPORT COMPATIBLE COVER WHILE POSSESSING THE HEIGHT TIER RATING. ALL COVERS ARE REQUIRED TO HAVE THE TIER LEVEL RATING EMBOSSED ON THE SURFACE. IN NO ASSEMBLY CAN THE COVER DESIGN LOAD EXCEED THE DESIGN LOAD OF THE BOX. ALL COMPONENTS IN AN ASSEMBLY (BOX & COVER) ARE MANUFACTURED USING MATCHED SURFING TOOLING. INDEPENDENT THIRD PARTY VERIFICATION OR TEST REPORTS STAMPED BY A REGISTERED PROFESSIONAL ENGINEER CERTIFYING THAT ALL TEST PROVISIONS OF THIS SPECIFICATION HAVE BEEN MET ARE REQUIRED WITH EACH SUBMITTAL. CONTRACTOR TO ENSURE EXACT LOCATION AND PLACEMENT OF BOXES AND COVERS AND PROVIDE THE RATING REQUIRED BY LOCAL AND NATIONAL CODES.

- 17. ELECTRICAL PANELS SHALL BE PANELBOARDS, HAVE COPPER BUSS. BOLTED CIRCUIT BREAKERS, KAIC RATING AS NOTED. PROVIDE TYPED AND LAMINATED COMPLETE SCHEDULE. MARKING IN COMPLIANCE WITH THE 2017 NEC 110.21, 110.22, 200.6(D), 210.5(C) AND 408.4.
- 19. EMERGENCY EGRESS LIGHTING TO COMPLY WITH 2009 IBC SECTION 106 AND 2017 NEC 700.12.

CONTRACTOR IS RESPONSIBLE TO OBTAIN AND VERIFY WITH ARCHITECT AND CITY FOR LATEST PLANS.



509 S. Main Studio d Las Cruces, NM 88001 PH 575.521.3757 FAX 575.521.3880 www.studio-d.biz

copyright Studio d Architects





REMODEL

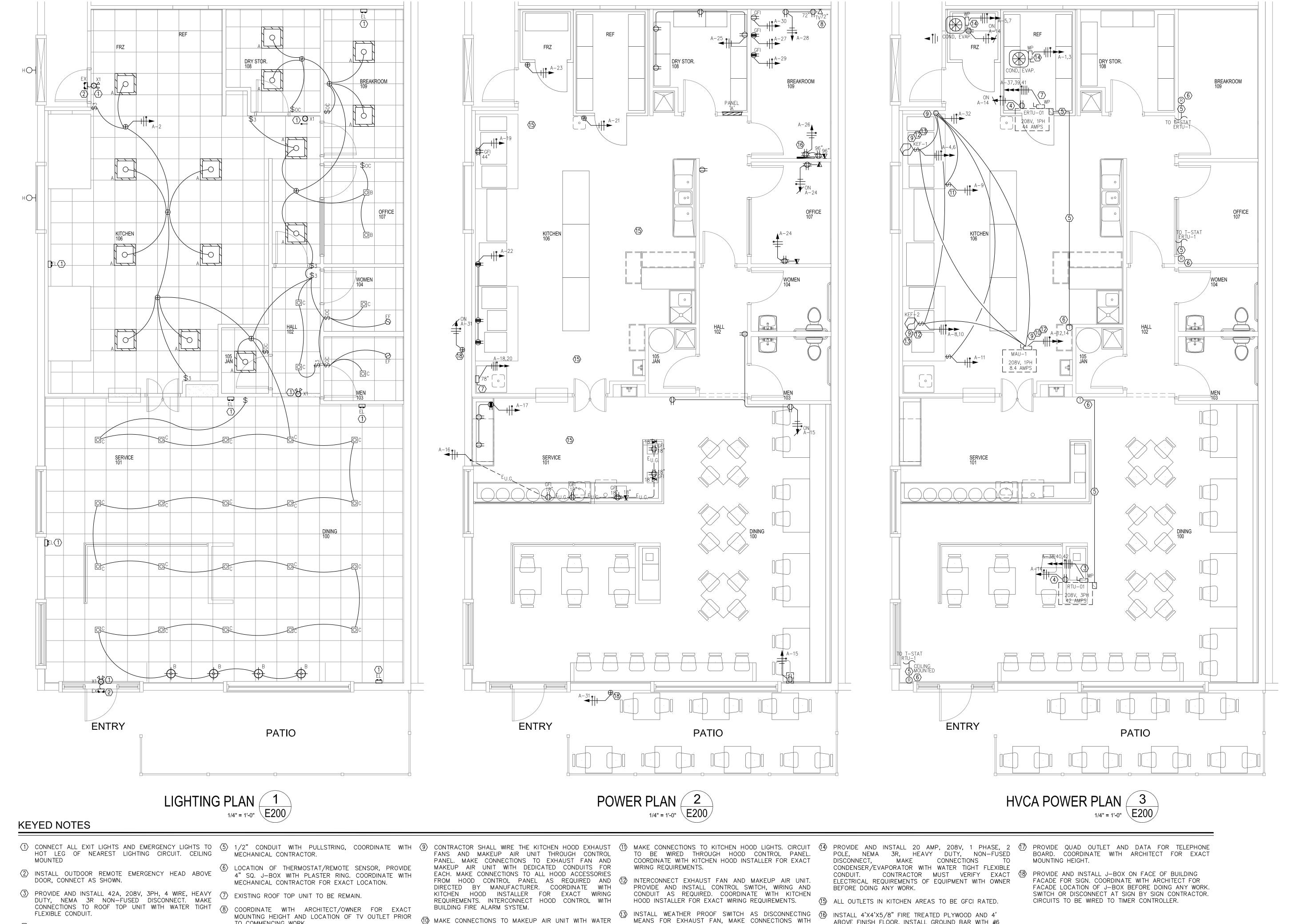
138 S. Main St. Las Cruces, New Mexico

REVISION

DATE

Project no: Date: August 2019 Sheet:

**ELECTRICAL** 



REQUIREMENTS. INTERCONNECT HOOD CONTROL WITH

TIGHT FLEXIBLE CONDUIT. MAKEUP AIR UNIT CIRCUIT

MUST BE WIRED THROUGH HOOD CONTROL PANEL.

COORDINATE WITH KITCHEN HOOD INSTALLER FOR EXACT

10) MAKE CONNECTIONS TO MAKEUP AIR UNIT WITH WATER

BUILDING FIRE ALARM SYSTEM.

WIRING REQUIREMENTS.

TO COMMENCING WORK.

4 INSTALL WEATHER PROOF, GFI, RECEPTACLE WITH

WEATHER PROOF COVER. INSTALL RECEPTACLE UNDER

DISCONNECT, COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION.

509 S. Main Studio d Las Cruces, NM 88001 PH 575.521.3757 FAX 575.521.3880

www.studio-d.biz copyright Studio d Architects





REMODEL

RESTAURANT

138 S. Main St. Las Cruces, New Mexico

REVISION

DATE

19.29

August 2019

Project no: Date:

Sheet:

**ELECTRICAL** 

PLAN

CONDUIT AS REQUIRED. COORDINATE WITH KITCHEN HOOD INSTALLER FOR EXACT WIRING REQUIREMENTS.

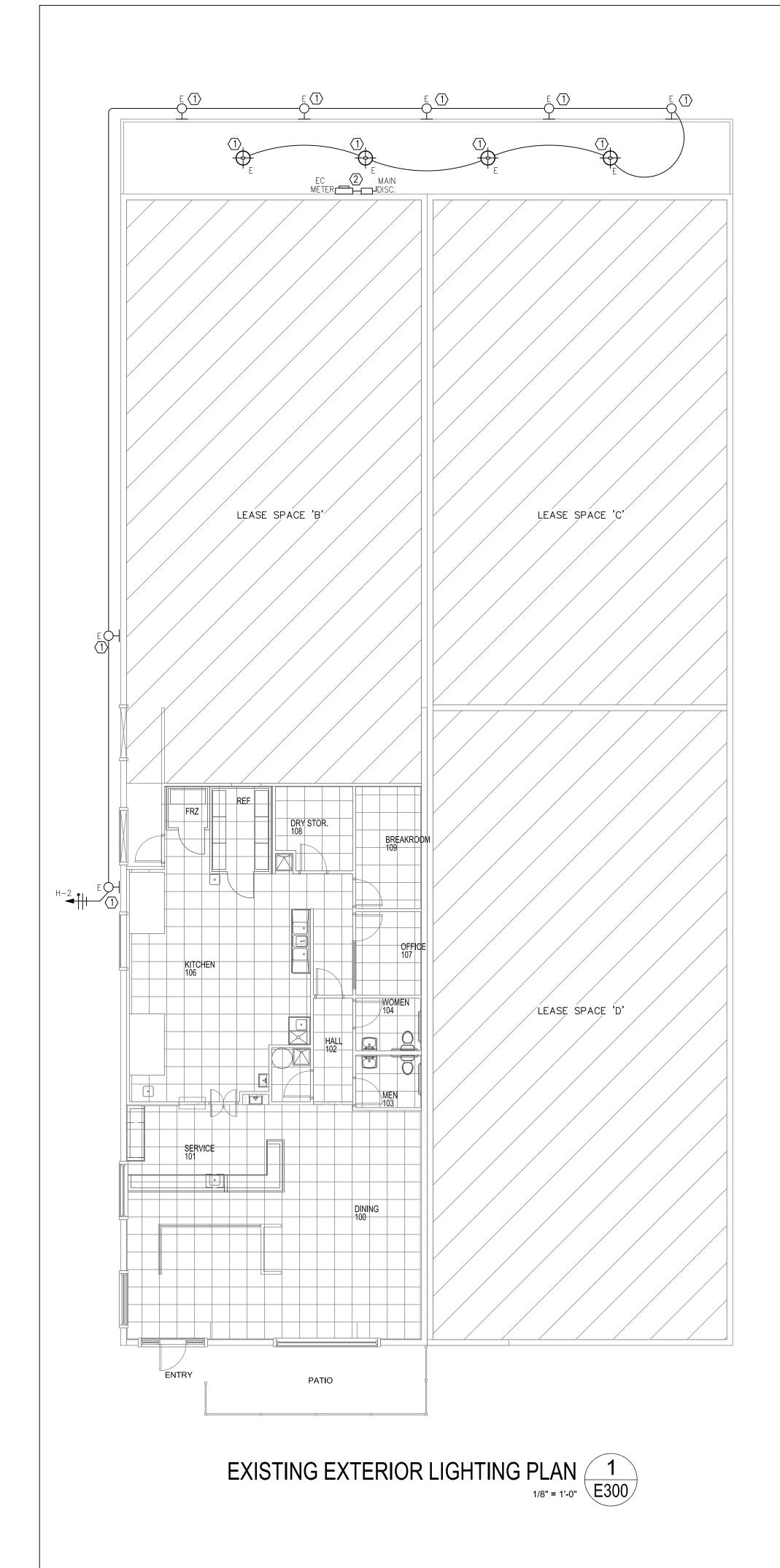
MECHANICAL CONTRACTOR/KITCHEN HOOD INSTALLER

FOR EXACT LOCATION.

(15) ALL OUTLETS IN KITCHEN AREAS TO BE GFCI RATED.

INSTALL WEATHER PROOF SWITCH AS DISCONNECTING MEANS FOR EXHAUST FAN, MAKE CONNECTIONS WITH WATER TIGHT FLEXIBLE CONDUIT. COORDINATE WITH CU. GROUND TO BUILDING STEEL. COORDINATE WITH OWNER FOR EXACT LOCATION.

CIRCUITS TO BE WIRED TO TIMER CONTROLLER.



						F	PANEL O	R LOAD	CENTER	- H						
LOAD TYPE	CKT. NO.	DESCRIPTION	FEED CODE	AMPS	POLE	LOAD KVA	А	В	С	LOAD KVA	POLE	AMPS	FEED CODE	DESCRIPTION	CKT. NO.	LOAI
	1	SPARE		20	1		1			1	1	20		EXTERIOR PENDANT LIGHTIN	G 2	LT
	3	SPARE		20	1			0						SPAC	E 4	
	5	SPARE		20	1				0					SPAC	E 6	
	7	SPARE		20	1		0							SPAC	E 8	
	9	SPARE		20	1			0						SPAC	E 10	
	11	SPARE		20	1				0					SPAC	E 12	
	13	SPARE		20	1		0							SPAC	E 14	
	15	SPACE						0			1	20		SPAF	RE 16	
	17	SPACE							0		1	20		SPAF	RE 18	
	19	SPACE					0				1	20		SPAF	RE 20	
•			•	ТОТ	AL KVA		1	0	0			•	•			
PANELBO	ARD INF	ORMATION		TOTA	L AMPS		8.3	0.0	0.0	1						
DESIGNA	TION	н						•		괴				kVA		
MAIN SIZ	.E	100A				CONN	IECTED			DESIG	N LOAD	1	PHASE A	1		
MAIN TYF	PE	100A MAIN C.B.		LOAD	ТҮРЕ	KVA	AMPS	DESIGN	FACTOR	KVA	AMPS	1	PHASE B	0		
/OLTS		120/208		LIGHTS		1.00	2.8	1.	25	1.25	3.5	1	PHASE C	0		
PHASE		3		RECETAC	LES	0.00	0.0	1	.0	0.00	0.0	1				
Wire		4		MOTOR		0.00	0.0	N	EC	0.00	0.0	1	UNBALANCE	% 100.00		
AIC RATII	NG	12 KAIC		AC		0.00	0.0	1.	25	0.00	0.0	1				
NEMA TY	PE	INTERIOR		KITCHEN		0.00	0.0	1	0	0.00	0.0	1				
ITRUON	NG	RECESSED		OTHER		0.00	0.0	N	EC	0.00	0.0	1				
SERVED F	ROM	100A MAIN C.B.		TOTAL		1.00	2.8	İ		1.25	3.5	1				

#### LIGHTING PLAN KEYED NOTES

- 1) EXISTING EXTERIOR LIGHT FIXTURE TO REMAIN. CONTRACTOR TO RE-WIRE TO NEW HOUSE PANEL.
- PROPOSED LOCATION OF ELECTRIC METER AND MAIN DISCONNECT. REFER TO RISER DIAGRAM ON SHEET E400. COORDINATE WITH ELECTRIC COMPANY FOR NEW 208V/120V, 3 PHASE SERVICE DROP

## SERVICE LOAD CALCULATION

	A
MATTEO'S RESTAURANT	145
LEASE SPACE 'B'	113
lease space 'C'	100
LEASE SPACE 'D'	120
HOUSE PANEL	10
	TOTAL 488A

<b>LEASE SPACE 'B' LOAD</b>	
CALCULATION	
VA	_

LIGHTING 2,244 SQ. FT. X 3.5VA X 1.25

OUTLETS 2,244 SQ, FT. X 1VA

HVAC 2,244 SQ, FT. X 10VA

WATER HEATER

SIGN

WINDOW SHOW OUTLETS

1,000

TOTAL 40,502 VA

I = 40,502 VA/208V(1.73)= 113 AMPS

CKT.															
NO.	DESCRIPTION	FEED CODE	AMPS	POLE	LOAD KVA	Α	В	С	LOAD KVA	POLE	AMPS	FEED CODE	DESCRIPTION	CKT. NO.	LOAD TYPE
1	COOLER COND/EVAP		20	2	1.0	1.96			1	1	20		LIGHTING	2	LT
3	9.3 MCA		20		1.0		1.56		0.6	2	20		KEF-1	4	ОТ
5	FREEZER COND/EVAP		20	2	1.5			2.1	0.6	_	20		208V, 1 PH	6	ОТ
7	14.9 MCA		20		1.5	2.1			0.6	2	20		KEF-2	8	ОТ
9	EXH HOOD LIGHTS		20	1	0.4		1		0.6	~	20		208V, 1PH	10	ОТ
11	CONDENSATE HOOD LIGHTS		20	1	0.4			1.3	0.9	2	20		MAU-1	12	ОТ
13	ROOF OUTLETS		20	1	0.4	1.3			0.9	~	20		208V, 1PH	14	ОТ
15	DINNING TV OUTLETS		20	1	0.8		1.6		0.8	1	20		SERVICE OUTLETS	16	RE
17	COOLER/CAFFEE OUTLETS		20	1	0.6			1.8	1.2	2	15		ICE CUBE MACHINE	18	ОТ
19	GFI KITCHEN OUTLETS		20	1	0.2	1.4			1.2		'3		208V, 1PH	20	ОТ
21	COOLER/REF LIGHTS		20	1	0.4		0.7		0.3	1	20		KITCHEN OUTLETS	22	RE
23	FREEZER LIGHTS		20	1	0.4			1.1	0.7	1	20		OFFICE OUTLETS	24	RE
25	DRY STORAGE		20	1	0.4	1.2			0.8	1	20		TELEPHONE BOARD	26	RE
27	BREAKROOM GFI2 OUTLETS		20	1	0.4		0.8		0.4	1	20		BREAKROOM OUTLETS	28	RE
29	BREAKROOM GFI3 OUTLETS		20	1	0.4			0.8	0.4	1	20		BREAKROOM GFI1 OUTLETS	30	RE
31	SIGN EXTERIOR J BOX		20	1	1.0	1.4			0.4	1	20		KITCHEN HOOD CONTROL	32	ОТ
33	SPARE		20	1			0			1	20		SPARE	34	
35	SPARE		20	1				0		1	20		SPARE	36	
37	SPARE		20	1		5			5				RTU-1	38	AC
39	ERTU-1		60	2	5.3		10.3		5	3	60		208V, 3 PH	40	AC
41	208V, 1PH, 44 MCA				5.3			10.3	5				42 MCA	42	AC
			ТОТ	AL KVA		14.36	15.96	17.4							
	1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37	1 COOLER COND/EVAP 3 9.3 MCA 5 FREEZER COND/EVAP 7 14.9 MCA 9 EXH HOOD LIGHTS 11 CONDENSATE HOOD LIGHTS 13 ROOF OUTLETS 15 DINNING TV OUTLETS 17 COOLER/CAFFEE OUTLETS 19 GFI KITCHEN OUTLETS 21 COOLER/REF LIGHTS 23 FREEZER LIGHTS 25 DRY STORAGE 27 BREAKROOM GFI2 OUTLETS 29 BREAKROOM GFI3 OUTLETS 31 SIGN EXTERIOR J BOX 33 SPARE 35 SPARE 37 SPARE 39 ERTU-1	1 COOLER COND/EVAP 3 9.3 MCA 5 FREEZER COND/EVAP 7 14.9 MCA 9 EXH HOOD LIGHTS 11 CONDENSATE HOOD LIGHTS 13 ROOF OUTLETS 15 DINNING TV OUTLETS 17 COOLER/CAFFEE OUTLETS 19 GFI KITCHEN OUTLETS 21 COOLER/REF LIGHTS 23 FREEZER LIGHTS 25 DRY STORAGE 27 BREAKROOM GFI2 OUTLETS 29 BREAKROOM GFI3 OUTLETS 31 SIGN EXTERIOR J BOX 33 SPARE 35 SPARE 37 SPARE 39 ERTU-1	NO.         CODE           1         COOLER COND/EVAP         20           3         9.3 MCA         20           5         FREEZER COND/EVAP         20           7         14.9 MCA         20           9         EXH HOOD LIGHTS         20           11         CONDENSATE HOOD LIGHTS         20           13         ROOF OUTLETS         20           15         DINNING TV OUTLETS         20           17         COOLER/CAFFEE OUTLETS         20           19         GFI KITCHEN OUTLETS         20           21         COOLER/REF LIGHTS         20           23         FREEZER LIGHTS         20           25         DRY STORAGE         20           27         BREAKROOM GFI2 OUTLETS         20           29         BREAKROOM GFI3 OUTLETS         20           31         SIGN EXTERIOR J BOX         20           33         SPARE         20           35         SPARE         20           37         SPARE         20           39         ERTU-1         60           41         208V, 1PH, 44 MCA         TOT	NO.         CODE           1         COOLER COND/EVAP         20         2           3         9.3 MCA         20         2           5         FREEZER COND/EVAP         20         2           7         14.9 MCA         20         1           9         EXH HOOD LIGHTS         20         1           11         CONDENSATE HOOD LIGHTS         20         1           13         ROOF OUTLETS         20         1           15         DINNING TV OUTLETS         20         1           17         COOLER/CAFFEE OUTLETS         20         1           19         GFI KITCHEN OUTLETS         20         1           21         COOLER/REF LIGHTS         20         1           23         FREEZER LIGHTS         20         1           25         DRY STORAGE         20         1           27         BREAKROOM GFI3 OUTLETS         20         1           29         BREAKROOM GFI3 OUTLETS         20         1           31         SIGN EXTERIOR J BOX         20         1           35         SPARE         20         1           37         SPARE         20         1	NO.       CODE       KVA         1       COOLER COND/EVAP       20       2       1.0         3       9.3 MCA       20       2       1.5         5       FREEZER COND/EVAP       20       1       1.5         7       14.9 MCA       20       1       0.4         9       EXH HOOD LIGHTS       20       1       0.4         11       CONDENSATE HOOD LIGHTS       20       1       0.4         13       ROOF OUTLETS       20       1       0.4         15       DINNING TV OUTLETS       20       1       0.6         17       COOLER/CAFFEE OUTLETS       20       1       0.6         19       GFI KITCHEN OUTLETS       20       1       0.4         23       FREEZER LIGHTS       20       1       0.4         23       FREEZER LIGHTS       20       1       0.4         25       DRY STORAGE       20       1       0.4         29       BREAKROOM GFI3 OUTLETS       20       1       0.4         31       SIGN EXTERIOR J BOX       20       1       1.0         35       SPARE       20       1       1	NO.       CODE       KVA         1       COOLER COND/EVAP       20       2       1.0       1.96         3       9.3 MCA       20       2       1.5       1.5         5       FREEZER COND/EVAP       20       2       1.5       2.1         7       14.9 MCA       20       1       0.4       1.5       2.1         9       EXH HOOD LIGHTS       20       1       0.4       1         11       CONDENSATE HOOD LIGHTS       20       1       0.4       1.3         13       ROOF OUTLETS       20       1       0.4       1.3         15       DINNING TV OUTLETS       20       1       0.8       1         17       COOLER/CAFFEE OUTLETS       20       1       0.6       1         19       GFI KITCHEN OUTLETS       20       1       0.4       1         21       COOLER/REF LIGHTS       20       1       0.4       1         23       FREEZER LIGHTS       20       1       0.4       1         25       DRY STORAGE       20       1       0.4       1         29       BREAKROOM GFI3 OUTLETS       20       1       0.4	NO.       CODE       KVA       KVA         1       COOLER COND/EVAP       20       2       1.0       1.96         3       9.3 MCA       20       2       1.5          5       FREEZER COND/EVAP       20       2       1.5          7       14.9 MCA       20       1       0.4        1         9       EXH HOOD LIGHTS       20       1       0.4        1         11       CONDENSATE HOOD LIGHTS       20       1       0.4           13       ROOF OUTLETS       20       1       0.4           15       DINNING TV OUTLETS       20       1       0.8       1.6         17       COOLER/CAFFEE OUTLETS       20       1       0.6          19       GFI KITCHEN OUTLETS       20       1       0.4       0.7         23       FREEZER LIGHTS       20       1       0.4       0.7         25       DRY STORAGE       20       1       0.4       0.8         29       BREAKROOM GFI3 OUTLETS       20       1       0.4          31	NO.   CODE   NO.   NO.	NO.         CODE         KVA         KVA         KVA         KVA           1         COOLER COND/EVAP         20         2         1.0         1.96         1           3         9.3 MCA         20         2         1.5         2.1         0.6           5         FREEZER COND/EVAP         20         2         1.5         2.1         0.6           7         14.9 MCA         20         1         0.4         1         0.6           9         EXH HOOD LIGHTS         20         1         0.4         1         0.6           11         CONDENSATE HOOD LIGHTS         20         1         0.4         1.3         0.9           13         ROOF OUTLETS         20         1         0.4         1.3         0.9           15         DINNING TV OUTLETS         20         1         0.8         1.6         0.8           17         COOLER/CAFFEE OUTLETS         20         1         0.6         1.8         1.2           19         GFI KITCHEN OUTLETS         20         1         0.4         0.7         0.3           23         FREEZER LIGHTS         20         1         0.4         0.7         0.3	NO.         CODE         KVA         Image: No. of the control of the contr	NO.   CODE   NO.   NO.	COOLER COND/EVAP   20   2   1.0   1.96   1   1   1   20   20   1.96   1.56   0.66   2   20   20   20   20   20   20   2	NO.   COOLER CONDIEVAP   20 20	NO.   COOLER COND/EVAP   20

PANELBOARD IN	FORMATION	TOTAL AMPS	5	119.7	133.0   145.0		
DESIGNATION	A					_	
MAIN SIZE	200A	LOAD TYPE	CONN	IECTED	DESIGN FACTOR	DESIG	N LOA
MAIN TYPE	200A MAIN C.B.	LOAD TYPE	KVA	AMPS	DESIGN FACTOR	KVA	AMP
VOLTS	120/208	LIGHTS	2.60	7.2	1.25	3.25	9.0
PHASE	3	RECETACLES	6.60	18.3	1.0	6.60	18.
Wire	4	MOTOR	0.00	0.0	NEC	0.00	0.0
AIC RATING	22 KAIC	AC	15.00	41.7	1.25	18.75	52.
NEMA TYPE	INTERIOR	KITCHEN	0.00	0.0	1.0	0.00	0.0
MOUNTING	RECESSED	OTHER	23.52	65.4	NEC	23.52	65.
SERVED FROM	200A DISC. FUSED AT 200A	TOTAL	47.72	132.6		52.12	144

	KVA
PHASE A	14.36
PHASE B	15.96
PHASE C	17.4
	-
UNBALANCE %	17.47

<u>%</u> 17.47

VA

9,818
2,244
22,440
4,000
1,000
TOTAL 40,502 VA

LIGHTING 2,
OUTLETS 2,
HVAC 2,410
WATER HEA
SIGN
WINDOW SHO

## LEASE SPACE 'D' LOAD CALCULATION

LIGHTING 2,410 SQ. FT. X 3.5VA X 1.25
OUTLETS 2,410 SQ, FT. X 1VA
HVAC 2,410 SQ, FT. X 10VA
WATER HEATER
SIGN
WINDOW SHOW OUTLETS

1 = 43,054 VA/208V(1.73)= 120 AMPS

## LEASE SPACE 'C' LOAD CALCULATION

I = 35,751 VA/208V(1.73) = 100 AMPS

Studio D Architects

509 S. Main Studio d Las Cruces, NM 88001 PH 575.521.3757 FAX 575.521.3880 www.studio-d.biz

copyright Studio d Architects





REMODEL

MATTEO'S RESTAURANT T.I.

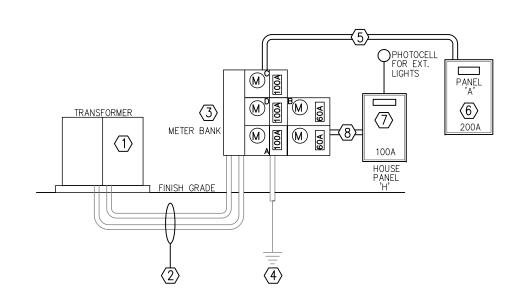
138 S. Main St. Las Cruces, New Mexico

REVISION

Project no: 19.29
Date: August 2019

EXISTING LIGHTING PLAN

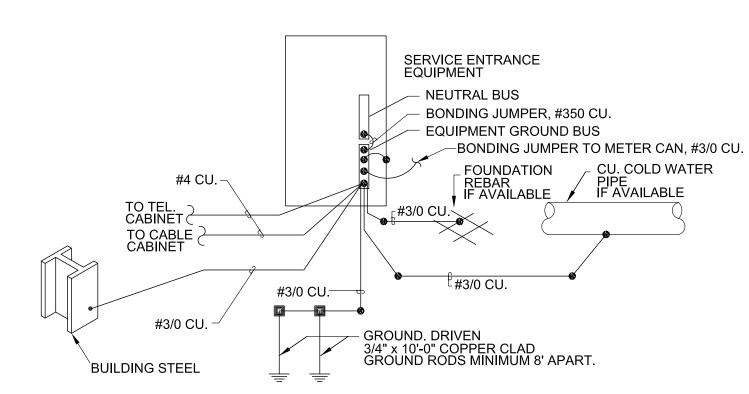
E300

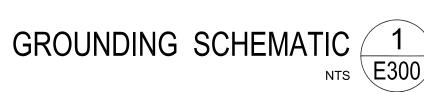


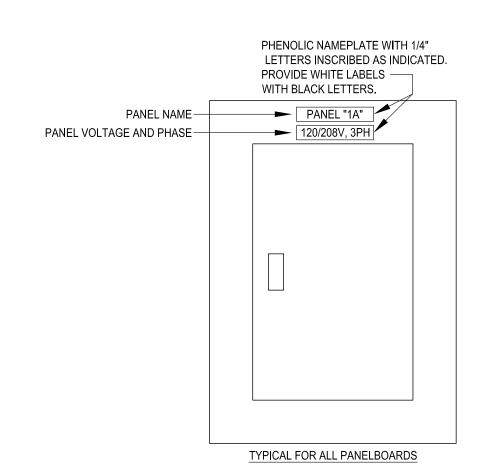


#### **ELECTRICAL RISER DIAGRAM KEYED NOTES**

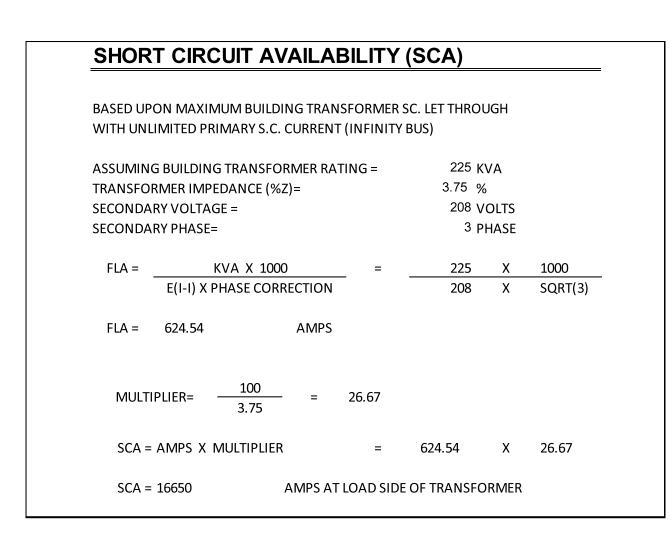
- (1) EXISTING EPEC PADMOUNT TRANSFORMER TO REMAIN.
- (2) NEW (2) 3" CONDUITS WITH (4) #350 THWN. CU. CONDRS.
- NEW ELECTRIC METER PER LOCAL ELECTRIC COMPANY REQUIREMENTS.
- (4) GROUNDING SYSTEM PER SCHEMATIC 1/E400.
- (5) NEW 2" CONDUIT WITH (4)#3/0 THWN CU. CONDRS. AND (1)#4 CU. GROUND.
- (6) NEW PANEL 'A', 200A, 208V, 3PH, 4W, WITH 42 SPACES. REFER TO PANEL SCHEDULE.
- (7) NEW HOUSE PANEL 'H', 120/208V, 3 PHASE, 4 WIRE, 100A MAIN C.B., REFER TO PANEL SCHEDULE (E300).
- (8) NEW 1-1/2" CONDUIT WITH (4)#2 THWN CU. CONDRS. AND (1)#8 CU. GROUND.



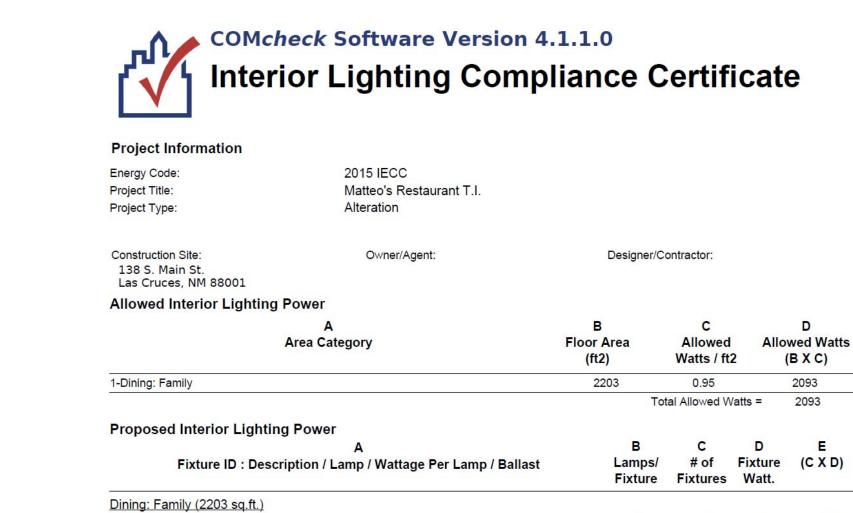








SCA AT SECONDARY = 16650 AMPS LENGTH TO MAIN SERVICE = 125 FT  "C" (WIRE CONSTANT) = 22737  # OF PARALLEL WIRES = 2  CALCULATE "F" FACTOR  F= PHASE CORRECTION X LENGTH (FEET) X SCA  # OF PARALLEL WIRES X "C" WIRE CONSTANT X VOLTAGE L-L  F= 0.381117	FAULT	CURRENT AT MAIN SERVICE
LENGTH TO MAIN SERVICE = 125 FT "C" (WIRE CONSTANT) = 22737 # OF PARALLEL WIRES = 2  CALCULATE "F" FACTOR  F= PHASE CORRECTION X LENGTH (FEET) X SCA # OF PARALLEL WIRES X "C" WIRE CONSTANT X VOLTAGE L-L  F= 0.381117	SCA AT SECONDARY =	16650 AMPS
"C" (WIRE CONSTANT) = 22737 # OF PARALLEL WIRES = 2  CALCULATE "F" FACTOR  F= PHASE CORRECTION X LENGTH (FEET) X SCA # OF PARALLEL WIRES X "C" WIRE CONSTANT X VOLTAGE L-L  F= 0.381117 M= 1 M= 0.724052 1+ F		
#OF PARALLEL WIRES = 2  CALCULATE "F" FACTOR  F= PHASE CORRECTION X LENGTH (FEET) X SCA #OF PARALLEL WIRES X "C" WIRE CONSTANT X VOLTAGE L-L  F= 0.381117		
F= PHASE CORRECTION X LENGTH (FEET) X SCA #OF PARALLEL WIRES X "C" WIRE CONSTANT X VOLTAGE L-L  F= 0.381117	,	
# OF PARALLEL WIRES X "C" WIRE CONSTANT X VOLTAGE L-L  F= 0.381117	CALCULATE "F" FACTOR	
F= 0.381117	F= PHASE COR	RECTION X LENGTH (FEET) X SCA
M= 0.724052	# OF PARALL	EL WIRES X "C" WIRE CONSTANT X VOLTAGE L-L
	F= 0.381117	M= <u> </u>
NITIM CCA VIA	M= 0.724052	1+F
NEW SCA = SCA X IVI	NEW SCA = S	CA X M
SCA AT MAIN SERVICE = 12055.46 AMPS	SCA AT MAIN SERVICE =	: 12055.46 AMPS



LIGHTING FIXTURE SCHEDULE

DIM WATTS TEMP.

14W LED

INCLUDED

INCLUDED

INCLUDED

SUPPLY

120V

120V

120V

120V

120V

120V

COLOR

CBA RECESSED

WH WALL

WH WALL

WH CEILING/WALL

 39W LED
 40K
 WHT
 LAY-IN

 10W LED
 40K
 WHT
 PENDANT

40K

MOUNTING NOTES

MANUFACTURER/MODEL NO.

NOTES: [1] PROVIDE WITH 90 MIN. MINIMUM POWER LIFE BATTERY

[2] REMOTE MOUNTED EMERGENCY HEAD, CONNECT TO INTERIOR EXIT SIGN.

A PHILIPS 2FG G 45L 840 2 D UNV DIM

C LSI LCD6 LED 14L UNV DIM1 40 FL

EL MULE LIGHTING EM-80 W

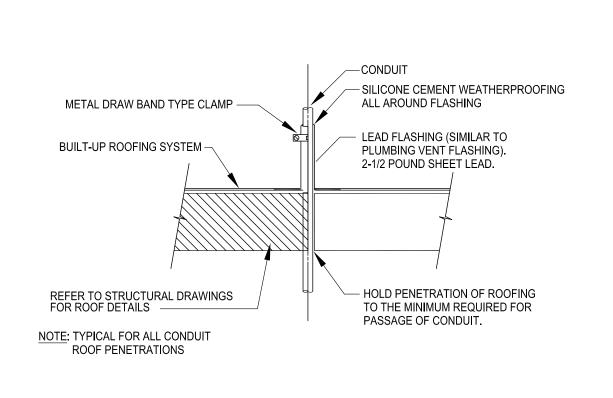
EX MULE LIGHTING RLED-2-WP

LED 'A': Other: LED 'B': Other: LED 'C': Other:

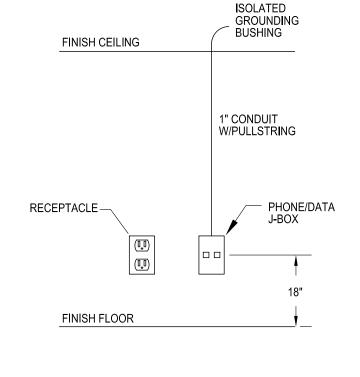
Interior Lighting PASSES

X1 MULE LIGHTING MDC U R A A REM

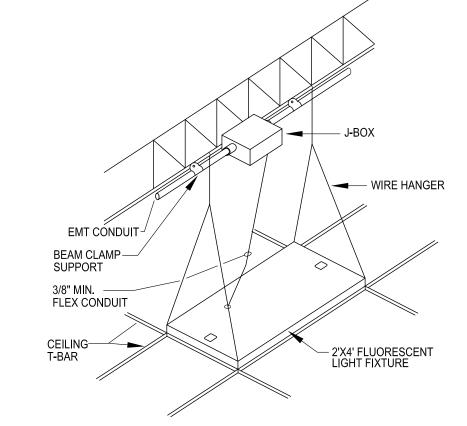
B LSI BD 200 10 CW LED UE GBK LDS96 WL











Total Proposed Watts =

LAY-IN FIXTURE MOUNTING DETAIL 5 E300



PH 575.521.3757 FAX 575.521.3880 www.studio-d.biz

copyright Studio d Architects





REMODEL

MATTEO'S RESTAURANT T.I.

138 S. Main St. Las Cruces, New Mexico

REVISION DATE

Project no: 19.29
Date: August 2019
Sheet:

ELECTRICAL RISER DIAGRAMS & LOAD CAL.

E400