RIKO'S PIZZA

GENERAL NOTES

1. THE SUBCONTRACTOR WILL INSPECT THE PREMISES IMMEDIATELY TO VERIFY EXISTING WORKING CONDITIONS. SHOULD THE SUBCONTRACTOR FIND CONDITIONS WHICH HE BELIEVES WOULD IMPEDE HIS WORK, THEN SUCH CONDITIONS MUST BE REPORTED IMMEDIATELY TO THE ARCHITECT FAILURE TO SO ADVISE WILL CONSTITUTE NOTICE THAT SUBCONTRACTOR IS FULLY SATISFIED WITH THE EXISTING CONDITIONS AND THAT HE INTENDS TO PERFORM HIS OBLIGATIONS WITH NO ALLOWANCE IN EITHER TIME OR MONEY FOR ANY IMPEDIMENTS TO HIS WORK.
2. SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN FIELD. IF DIMENSIONAL ERROR OCCURS OR CONDITIONS NOT COVERED IN THE DRAWINGS ARE ENCOUNTERED, SUBCONTRACTOR SHALL NOTIFY THE ARCHITECT BEFORE COMMENCING THAT PORTION OF THE WORK.
3. ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, FEDERAL, STATE AND LOCAL LAWS.
4. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED, AND ERECTED. USED, CLEANED AND CONDITIONED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN SPECIFICATIONS AND INSTRUCTIONS UNLESS HEREIN AFTER SPECIFIED TO THE CONTRARY.
5. CUTTING AND PATCHING WHERE EXISTING CONSTRUCTION IS CUT OR OTHERWISE DISTURBED TO PERMIT INSTALLATION OF NEW WORK, MATCH AND PATCH EXISTING DISTURBED CONSTRUCTION. USE METHODS AND MATERIALS SIMILAR IN APPEARANCE AND EQUAL IN QUALITY TO AREAS OR SURFACES BEING REPAIRED.
6. DIMENSIONS TAKE PRECEDENCE OVER SCALE ON CONSTRUCTION DOCUMENTS.
7. ALL WORK SHALL BE EXECUTED IN A NEAT AND WORKMANLIKE MANNER ACCEPTABLE TO OWNER.
8. WHEN WORK NOT SPECIFICALLY CALLED OUT IS REQUIRED TO COMPLETE THE PROJECT, IT SHALL BE PROVIDED AND BE OF THE BEST MATERIALS AND WORKMANSHIP.
9. UNLESS OTHERWISE NOTED, THE SUBCONTRACTOR SHALL PROVIDE AND PAY FOR ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, CONSTRUCTION EQUIPMENT AND MACHINERY, TRANSPORTATION, AND OTHER FACILITIES AND SERVICES NECESSARY FOR PROPER EXECUTION AND COMPLETION OF THE WORK.
10. SUBCONTRACTOR SHALL GUARANTEE ALL WORKMANSHIP AND MATERIALS IN WRITING FOR A PERIOD OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION.
11. THE SUBCONTRACTOR SHALL VERIFY ALL MECHANICAL. PLUMBING AND ELECTRICAL REQUIREMENTS PRIOR TO COMMENCEMENT OF THE JOB.
12. THE SUBCONTRACTOR WARRANTS TO THE OWNER AND THE ARCHITECT THAT ALL MATERIALS AND EQUIPMENT FURNISHED UNDER THIS CONTRACT WILL BE NEW UNLESS OTHERWISE SPECIFIED; AND THAT ALL WORK WILL BE GOOD QUALITY, FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS. ALL WORK NOT SO CONFORMING TO THESE STANDARDS MAY BE CONSIDERED DEFECTIVE. IT IS UNDERSTOOD THAT NO INFERIOR OR NON-CONFORMING WORK OR MATERIALS WILL BE ACCEPTED. WHETHER DISCOVERED AT THE TIME THEY ARE INCORPORATED IN THE WORK, OR AT ANY TIME BEFORE OR AFTER THE FINAL ACCEPTANCE. IF REQUIRED BY THE ARCHITECT, THE CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF MATERIALS AND EQUIPMENT.
13. THE WARRANTIES AND GUARANTIES PROVIDED IN THE CONSTRUCTION DOCUMENTS SHALL BE IN ADDITION TO AND NOT IN LIMITATION OF ANY OTHER WARRANTY OR GUARANTY OR REMEDY REQUIRED BY LAW OR BY THE CONSTRUCTION DOCUMENTS.
14. ANY ANTICIPATED CUTTING, DRILLING OR ANCHORING OF POST TENSIONED CONCRETE SLABS SHALL BE REQUIRED TO BE APPROVED IN WRITING BY THE OWNER BEFORE PROCEEDING. SUBCONTRACTOR SHALL X-RAY PENETRATION LOCATIONS PRIOR TO BEGINNING THE WORK AND PROVIDE EVIDENCE OF SAME TO THE OWNER.
15. SUBCONTRACTOR SHALL REVIEW FIELD CONDITIONS AND FURRED OUT PERIMETER WALLS. MAKING ALLOWANCE TO INSURE THAT ALL ELECTRICAL/TELEPHONE AND MISCELLANEOUS COVER PLATES AND JUNCTION BOXES WILL FLUSH OUT EXACTLY TO FINISHED FACE, SUCH THAT NO GAPS ARE EVIDENT.
16. WHERE NECESSARY TO FURR OUT COLUMNS, HOLD NEW CONSTRUCTION AS TIGHT AS POSSIBLE TO EXISTING.
17. PHONE & DATA CABLE WORK BY TENANT EXCEPT AS NOTED ON PLANS.
18. REROUTE EXISTING FIRE ALARM AND SMOKE DETECTION SYSTEM AS REQUIRED. COMPLY WITH THE CITY OF LARCHMONT FIRE DEPARTMENT REQUIREMENTS.
19. PROVIDE NECESSARY CONDUIT AND WIRE, SMOKE DETECTORS AND ANNUNCIATION SPEAKERS. FURNISH AND INSTALL FIRE ALARM DETECTION AND ANNUNCIATION DEVICES AND INTERFACE TO THE SHELL BUILDING ALARM SYSTEM.
20. NOTIFY ARCHITECT, IF DUE TO CODE OR FIELD CONDITIONS, IF EXIT SIGNS, LIFE SAFETY DEVICES AND FIRE EXTINGUISHES CABINETS ARE TO BE PLACED IN ADDITIONAL OR DIFFERENT LOCATIONS THAN PLANS INDICATE. ARCHITECT TO APPROVE AESTHETIC PRIOR TO INSTALLATION.
21. LOCATION OF PLAN ELEMENTS:

    PARTITIONS:

    PARTITIONS, ENDS OF PARTITIONS, AND OTHER PLAN ELEMENTS WHICH APPEAR TO ALIGN ARE INTENDED TO ALIGN UNLESS OTHERWISE DIMENSIONED.

    CENTER PARTITION ON COLUMN; BY-PASS SIDE OF COLUMN; OR ALIGN WITH ONE SIDE OF COLUMN (OR OTHER PLAN ELEMENT); AS INDICATED ON PLAN.

    CENTER PARTITION ON CENTERLINE OF EXTERIOR WINDOW WALL MULLION UNLESS NOTED OTHERWISE. DIMENSIONS ARE FROM FINISHED FACE TO FINISHED FACE UNLESS NOTED OTHERWISE.

    ALL OBLIQUE ANGLES SHOWN ON PLAN ARE AT 45° UNLESS NOTED OTHERWISE.

    DOORS:

    CENTERLINE ON WALL; OR 5 3/4" FROM JAMS TO CENTERLINE OF ADJACENT INTERSECTING WALL; OR AS DIMENSIONED.

    32" MIN. CLEAR OPENING AT ALL DOORS.
22. BLOCKING IS REQUIRED BEHIND ALL WALL MOUNTED MILLWORK, DOOR STOPS, AND ANY OTHER FURNITURE OR EQUIPMENT. ALL WOOD BLOCKING AND BACKING SHALL BE FIRE RETARDANT TREATED; OR USE METAL.
23. CONCRETE FLOORS ARE TO BE FILLED AND FLOATED TO MEET MANUFACTURER'S REQUIREMENTS FOR SMOOTHNESS AND LEVELING PER FLOORING MATERIALS BEING INSTALLED.
24. SHOP DRAWINGS SHALL BE SUBMITTED FOR ANY AND ALL MILLWORK, FOR REVIEW BY THE ARCHITECT PRIOR TO FABRICATION AND SHALL BE COMPLETE IN ALL DETAIL. MILLWORK CONTRACTOR SHALL PROVIDE THE ARCHITECT WITH FINISH SUBMITTALS PRIOR TO FINAL FABRICATION.
25. ALL COUNTERTOPS TO BE SCRIBED TO WALL WHEREVER BACKSPLASH DOES NOT OCCUR.
26. ALL WOOD CASEWORK SHALL CONFORM TO AWI STANDARDS FOR "PREMIUM GRADE" AND WIC (WOODWORKING INSTITUTE OF CALIFORNIA) UNLESS NOTED OTHERWISE.
27. ALL PLASTIC LAMINATE CASEWORK TO CONFORM TO AWI STANDARDS FOR "CUSTOM GRADE" UNLESS NOTED OTHERWISE.
28. CONTACT ARCHITECT IMMEDIATLY SHOULD THE CONTRACTOR OR SUB CONTRACTOR FIND ANY DISCREPENCIES WITH THESE DOCUMENTS.
29. ARCHITECT'S REVIEW OF SHOP DRAWINGS SHALL BE FOR GENERAL CONFORMANCE TO THE DESIGN CONCEPT AND SHALL NOT RELIEVE ANY CONTRACTOR OR SUB CONTRACTOR FROM THEIR OBLIGATION TO COMPLY WITH THE CONTRACT DOCUMENTS

FNAME

REVDATE

PLUMBING CALCULATIONS

THE SCOPE OF THIS PROJECT IS AN INTERIOR TENANT IMPROVEMENT OF AN EXISTING UNOCCUPIED BUILDING SPACE WITH EXISTING MEZZANINE. THIS IS A REMODEL FOR A NEW RESTAURANT. PROVIDE NEW NON LOAD BEARING PARTITIONS, NEW ELECTRICAL LAYOUT, NEW AND EXISTING MECHANICAL, AND NEW PLUMBING. NEW FINISHES.

SCOPE OF WORK

PLUMBING OCCUPANT LOAD: 126 OCCUPANTS
63 MALE/63 FEMALE

REQUIRED	NO. OF W.C.	NO. OF LAVS
WOMEN'S ACCESSIBLE R.R.	1	1
MEN'S ACCESSIBLE R.R.	1	1
1 SERVICE SINK		

PROVIDED	NO. OF W.C.	NO. OF LAVS
WOMEN'S ACCESSIBLE R.R.	1	1
MEN'S ACCESSIBLE R.R.	1	1
1 SERVICE SINK		

PER NEW YORK BUILDING CODE

NON-STRUCTURAL SUITE DEVELOPEMENT

PROJECT ADDRESS: 124 CHATSWORTH AVE
LARCHMONT, NY 10538

ZONING: -

OCCUPANCY TYPE: A-2 (RESTAURANT/KITCHEN)

TENANT AREA SQ. FT.: MAIN LEVEL: ±2,614 SQ.FT.
MEZZ LEVEL: ±497 SQ.FT.
TOTAL: ±3,111 SQ.FT.

CONTRUCTION TYPE: -

MEZZANINE (KITCHEN) 493 SF/200 = 3 MAX
MAIN LEVEL:(KITCHEN) 892.29 SF/200- 5 MAX
MAIN LEVEL:(DINING-BOOTH/BAR SEATING) 1 PER 18=48 MAX
MAIN LEVEL:(DINING-TABLES/CHAIRS)660/15 SF=44 MAX
OUTDOOR PATIO:(DINING-TABLES/CHAIRS)391/15 SF=26 MAX

OCCUPANCY(MAX.): TOTAL OCCUPANCY: 126 MAX

REQ'D EXITS: 2

PROVIDED EXITS: 2

FIRE SPRINKLERS: YES-DEFERRED SUBMITTAL

FIRE ALARMS: YES

EMERGENGY LIGHTING: YES

AGE OF BUILDING: -

NUMBER OF STORIES: 2

BOOK-MAP-PARCEL: 6-2-820

APPLICABLE CODES WITH LARCHMONT, NY

2020 NEW YORK STATE BUILDING CODE
2020 NEW YORK STATE MECHANICAL CODE
2020 NEW YORK STATE FIRE CODE
2020 NEW YORK STATE PLUMBING CODE
2019 NATIONAL ELECTRICAL CODE/NFPA-70
2020 NEW YORK STATE FUEL GAS CODE
2020 NEW YORK STATE ENERGY CODE
2010 ADA STANDARDS/ ICC A117.1-2009

PROJECT DATA

IA-1	COVER SHEET
IA-2	DEMOLITION FLOOR PLAN
IA-2.1	DIMENSIONED FLOOR PLAN & ARCHITECTURAL FLOOR PLAN
IA-2.2	EQUIPMENT/FURNITURE PLAN
IA-2.3	REFLECTED CEILING PLAN
IA-2.4	FURNITURE SPECIFICATIONS
IA-3	WALL TYPES/SCHEDULES
IA-4	DETAILS
IA-5	ELEVATIONS
IA-6	EXISTING EXTERIOR BUILDING ELEVATIONS
IA-7	EXISTING EXTERIOR BUILDING ELEVATIONS
M3.01	HVAC FLOOR PLAN & SCHEDULES
M3.02	HVAC DETAILS
M3.03	EXHAUST HOOD DETAILS
M3.04	EXHAUST HOOD DETAILS
M3.05	EXHAUST HOOD DETAILS
M3.06	RTU UNIT SELECTION
M3.07	MECHANICAL ENERGY COMPLIANCE
P4.01	SANITARY SEWER PLAN
P4.01A	SANITARY SEWER ISOMETRIC
P4.02	DOMESTIC WATER PLAN
P4.03	PLUMBING DETAILS
P4.04	NATURAL GAS PLAN & DETAILS
P4.04A	NATURAL GAS ISOMETRIC
P4.05	PLUMBING SPECIFICATIONS
E2.01	ELECTRICAL LIGHTING PLAN
E2.02	ELECTRICAL POWER PLAN
E2.03	PANEL SCHEDULES
E2.03A	ELECTRICAL ONE-LINE DIAGRAM
E2.04	LIGHTING ENERGY COMPLIANCE

DRAWING INDEX

TENANT NAME: RIKO'S PIZZA

THE TENANT HAS EXAMINED THE INFORMATION CONTAINED IN THESE DRAWINGS FOR COMPLIANCE WITH THEIR REQUIREMENTS AND HEREBY APPROVES THEIR RELEASE FOR CONSTRUCTION.

APPROVED BY: _____

PRINTED NAME: _____

DATE: _____

CLIENT APPROVAL

OWNER/TENANT: Riko's Pizza

INTERIOR ARCHITECTURE: One Architecture
8686 N. Central Ave, Suite 166
Phoenix, Arizona 85020
Phone: 602.266.2712
Fax: 602.266.1688
Architect: Dustin Curtis
www.ONEarchitecture.us

MECH. & PLUMBING CONSULTANT: Mahu E.D.S.
268 Margaret Ave
Wallaceburg, Ontario
Canada, N8A 2A5
Mike Mahu
519-354-1128

ELECTRICAL CONSULTANT: Mahu E.D.S.
268 Margaret Ave
Wallaceburg, Ontario
Canada, N8A 2A5
Mike Mahu
519-354-1128

CONTRACTOR: TBD

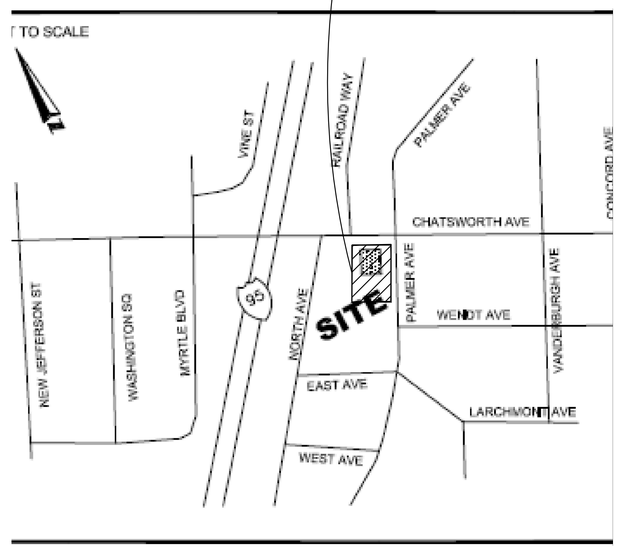
PROJECT DIRECTORY

ROOM NAME
ROOM NUMBER
DOOR NUMBER
PARTITION TYPE
HEAD CONDITION
DETAIL NUMBER
DRAWING NUMBER
EXIT SIGN
KEYNOTE
DELTA SYMBOL WITH CLOUD INDICATES REVISION NUMBER
SEMI-RECESSED FIRE EXTINGUISHER CABINET

SYMBOLS

PARKING DATA:
PUBLIC CITY PARKING

SCOPE OF PROJECT



SITE PLAN

Architect of Record:
Dustin Curtis
ONE! ARCHITECTURE
8686 N. Central Ave. Suite 166
Phoenix, Arizona 85020
Phone: 602.266.2712
www.ONEarchitecture.us

Project Manager: K.AMEN
Drawn by: A.VOTE
Checked by: D.CURTIS
Project Number: NY-045/25

REGISTERED ARCHITECT DUSTIN CURTIS 034555-1 STATE OF NEW YORK

10-29-25

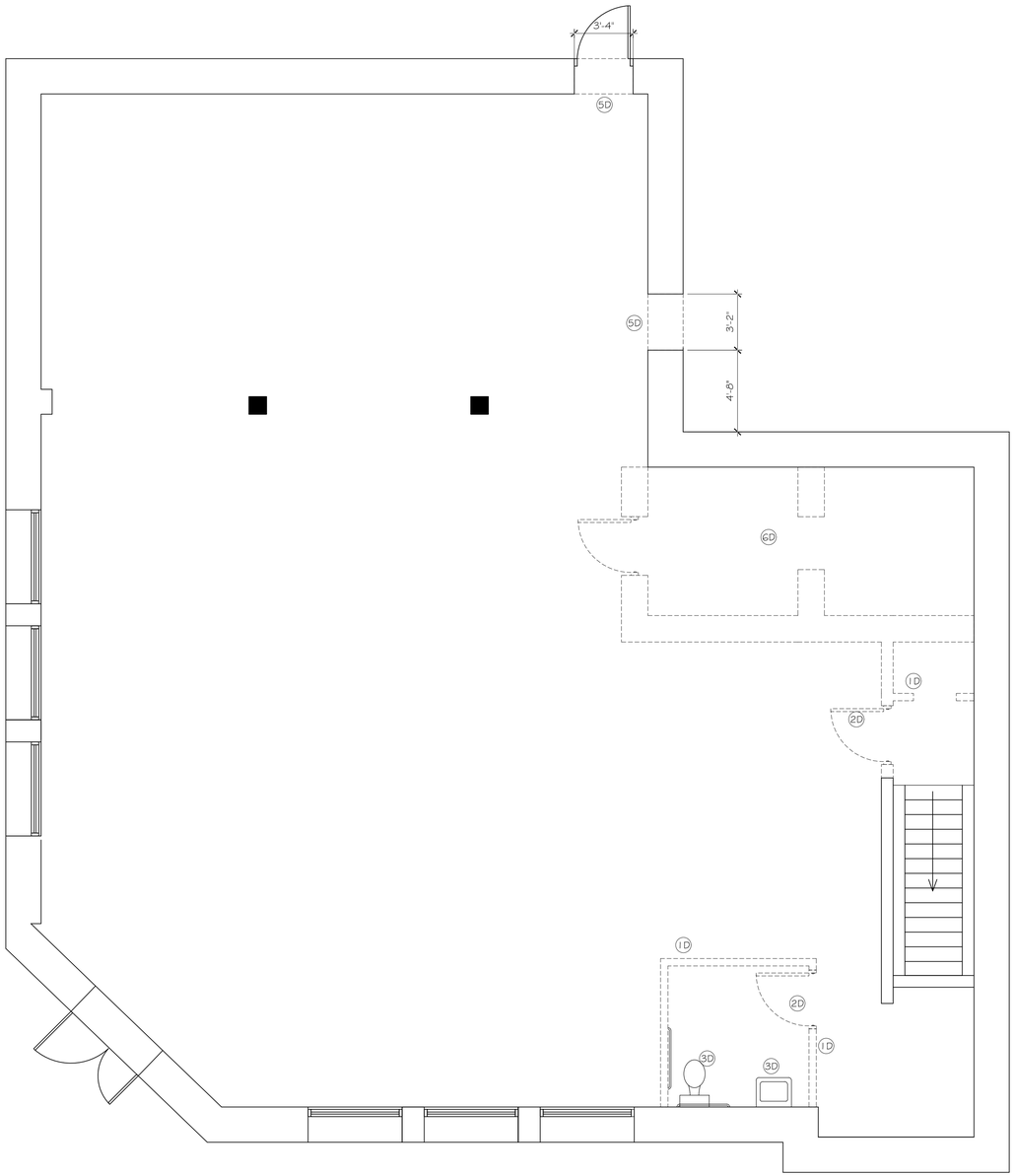
RIKO'S PIZZA
124 CHATSWORTH AVE LARCHMONT, NY

± 3,111 SF

REVISIONS:

DATE:	ISSUED FOR:
10/20/25	PERMIT

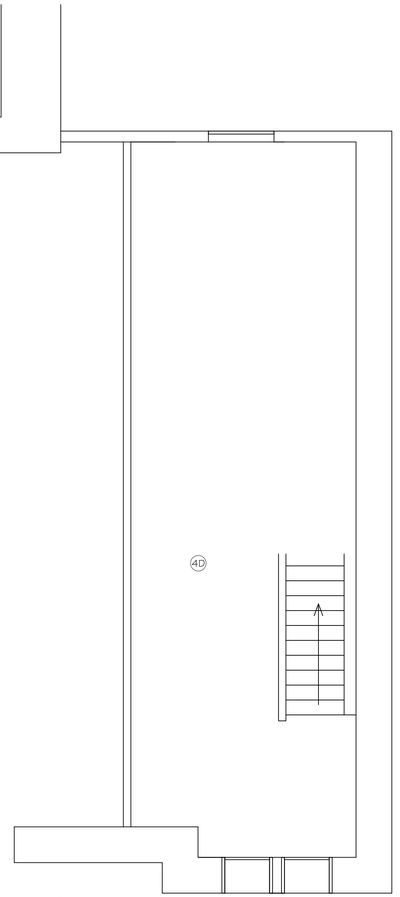
SHEET: IA-1



NORTH

DEMO FLOOR PLAN- MAIN FLOOR

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



NORTH

DEMO FLOOR PLAN- MEZZANINE

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

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A. NEW CEILING GRID, TEES, MAINS, AND TILES AT 10' A.F.F. UNLESS OTHER WISE NOTED. NEW CLG TILE TO BE ARMSTRONG 2X4' KITCHEN ZONE LAY IN 673.

B. NEW 2X4 LED LIGHT FIXTURES AND 4" LED CAN LIGHT FIXTURES. PROVIDE ONE LIGHT FIXTURE FOR 75 SQUARE FEET OF TENANT FLOOR AREA UNLESS NOTED OTHERWISE.

C. NEW HVAC SYSTEM, NEW SPRINKLERS AND LIFE SAFETY DEVICES PER NEW LAYOUT AND APPLICABLE CODES. CONTRACTOR TO PRICE NEW LIFE SAFETY DEVICES IF NONE EXIST.SPRINKLER HEADS IN THE CONTROL ZONE AREA SHOULD BE FLUSH OR SEMI RECESSED. THE COVER PLATES ARE TO BE WHITE FINISHED OR PAINTED TO MATCH THE CEILING COLOR.

D. TENANT PROVIDED WINDOW BLINDS.

E. PREPARE FLOOR AND WALL SURFACES TO RECEIVE NEW FINISHES. WALLS TO RECEIVE NEW TILE BASE OR RUBBER BASE AS INDICATED ON PLAN. PAINT ENTIRE SUITE WITH EGGSHELL PAINT ON LEVEL 4 SMOOTH FINISH. TYPICAL THROUGHOUT UNLESS NOTED OTHERWISE.

F. PARTITIONS SHOWN AS "ALIGHNING WITH COLUMNS ARE INTENDED TO HAVE FINISHED GYP. BD. FACE ALIGN WITH THE FINISHED GYP. BD. FACE.

G. PROVIDE BLOCKING IN WALL FOR ALL WALL MOUNTED MILLWORK SUPPLIED AND INSTALLED BY CONTRACTOR AND/OR TENANT. TENANT IS RESPONSIBLE FOR NOTIFYING ARCHITECT OF ANY TENANT PROVIDED MILLWORK THAT REQUIRES BLOCKING.

H. ALL PLASTIC LAMINATED MILLWORK MUST CONFORM TO AWI STANDARDS FOR CUSTOM GRADE.

I. FURR OUT CORE WALLS AND COLUMNS TO ACCOMMODATE POWER WHERE NEEDED AND AS SHOWN.

J. CONTRACTOR TO PROVIDE THE CORRECT NUMBER OF LIFE SAFETY DEVICES (FIRE EXTINGUISHERS AND HORNS/STROBES) AS REQUIRED BY CODE.

K. PROVIDE INSULATION R-19 AT EXT. WALLS. EXISTING INSULATION AT ROOF CAVITY. CONTRACTOR TO VERIFY INTEGRITY OF ANY EXISTING INSULATION.

L. ALL FURNITURE AND EQUIPMENT IN PLAN IS SHOWN FOR EXITING PURPOSES ONLY AND IS NOT IN CONTRACT UNLESS OTHERWISE NOTED.

M. PROVIDE ADA COMPLIANT DOOR HARDWARE WITH LEVER STYLE HARDWARE TO MATCH BUILDING STANDARD. PROVIDE SCHLAGE KEY C KEYWAY.

N. THE PLAN SHOWS THE LOCATION OF TELEPHONE, DATA AND ELECTRICAL OUTLETS. HOWEVER, IT IS THE RESPONSIBILITY OF THE TENANT TO PURCHASE THEIR COMMUNICATION SYSTEMS AND COORDINATE INSTALLATION WITH THE BUILDING CONTRACTOR.

O. ELECTRICAL AND DATA OUTLETS INDICATE QUANTITY ONLY WITHOUT KNOWLEDGE OF TENANT'S FINAL LAYOUT. EXACT LOCATION OF OUTLETS WILL BE DETERMINED BY TENANT UPON APPROVAL OF SPACE PLAN.

P. PROVIDE 4" CONCRETE SLAB OVER 4" A.B.C TO BE FLUSH WITH EXISTING CONCRETE STEM WALL. DOWEL INTO EXISTING STEM SLAB #4 IN EPOXY FILLED HOLE @ 24" O.C.

Q. CONTRACTOR TO FILL IN GAPS AT ALL WINDOWS.

R. SMOKE AND FLAME SPREAD FOR INTERIOR WALLS AND CEILINGS PER ASTM E-84 AND PER THE IBC 803. CLASS C FINISHES REQUIRED FOR "B" OCCUPANCIES PER IBC SECTION 803 TABLE 803.5.

S. THERMAL AND ACOUSTIC INSULATION SHALL COMPLY WITH IBC AND ASTM E-84.

T. VERIFY WITH EQUIPMENT VENDORS SPECIAL EQUIPMENT NEEDS PRIOR TO CONSTRUCTION.

STANDARD DEMO NOTES

**ALL DEMO TO BE REVIEWED BY STRUCTURAL ENGINEER PRIOR TO DEMOLITION.

**DEMO EXISTING MECHANICAL ON MEZZANINE LEVEL.

1D. DEMO EXISTING INTERIOR WALL.

2D. DEMO EXISTING DOOR.

3D. DEMO EXISTING PLUMBING FIXTURES.

4D. DEMO EXISTING FLOORING.

5D. DEMO EXISTING EXTERIOR WALL FOR NEW DOOR.

6D. DEMO EXISTING VAULT.

Architect of Record:
Dustin Curtis

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Project Manager:
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A.VOTE

Checked by:
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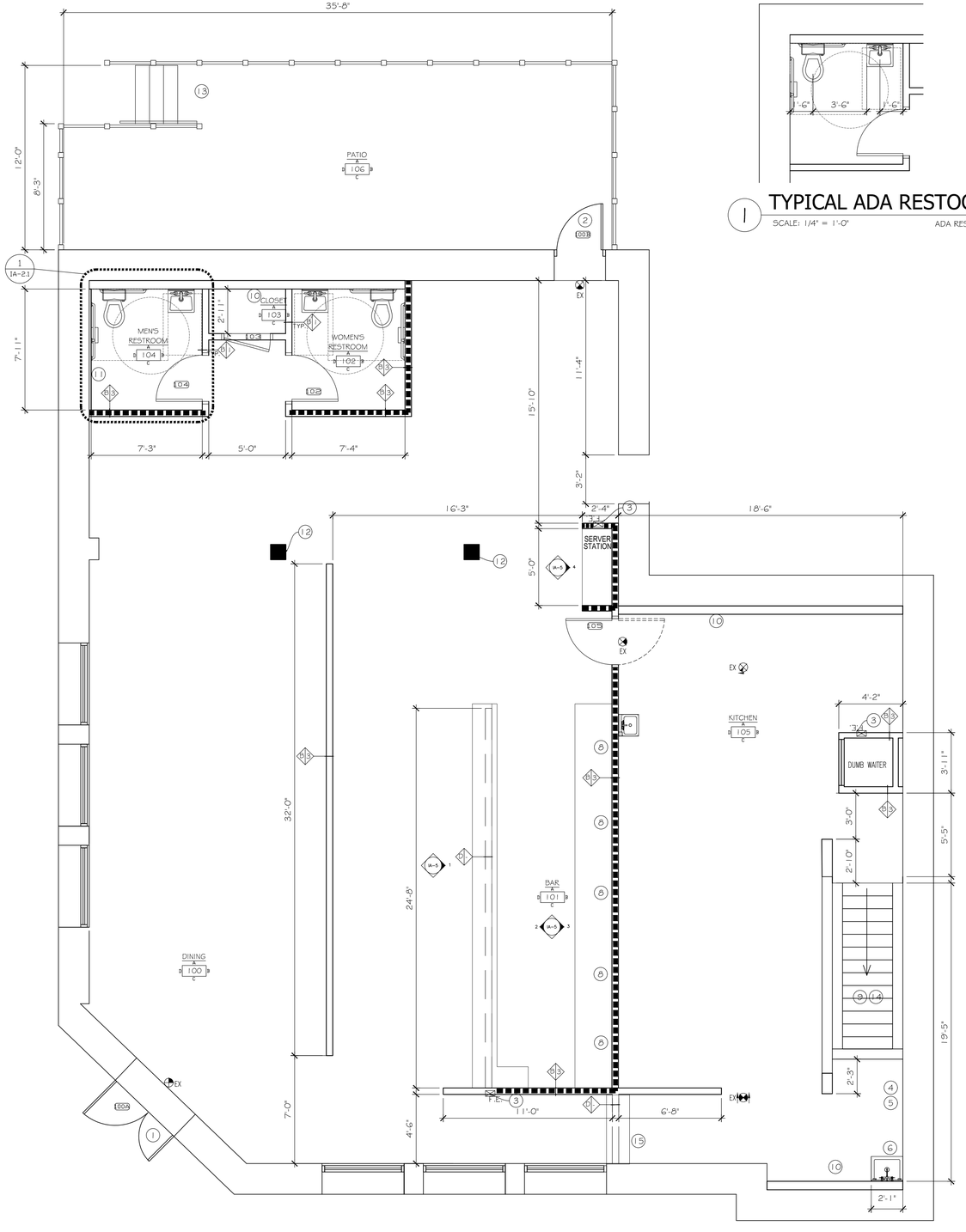
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REVISIONS:

DATE:	ISSUED FOR:
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SHEET:

IA-2



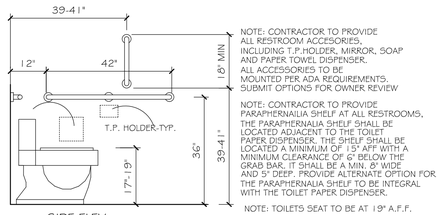
FLOOR PLAN- MAIN FLOOR

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

TYPICAL ADA RESTOOM

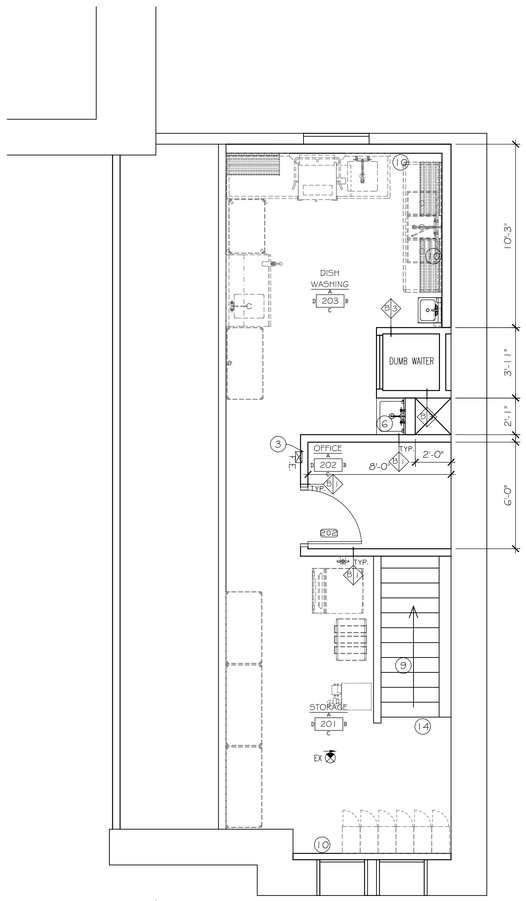
SCALE: 1/4" = 1'-0"

ADA RESTROOM



ADA ACCESSIBILTY STANDARDS

SCALE 1/2" = 1'-0"



FLOOR PLAN- MEZZANINE

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

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S. THERMAL AND ACOUSTIC INSULATION SHALL COMPLY WITH IBC AND ASTM E-84.

T. VERIFY WITH EQUIPMENT VENDORS SPECIAL EQUIPMENT NEEDS PRIOR TO CONSTRUCTION.

STANDARD KEY NOTES

1. EXISTING BUILDING STANDARD TENANT ENTRY.
2. EXISTING BUILDING STANDARD SECONDARY ENTRY.
3. SEMI-RECESSED FIRE EXTINGUISHER CABINET W/TEMPERED GLASS DOOR AND (1) 10 LB. PORTABLE FIRE EXTINGUISHER. (4 TOTAL). FINAL COUNT AND LOCATION TO BE DETERMINED BY CITY OFFICIAL.
4. EXISTING 2' X 4' PLYWOOD BACKBOARD LOCATED IN BASEMENT FOR MOUNTING OF TELEPHONE EQUIPMENT.
5. EXISTING ELECTRICAL PANELS LOCATED IN THE BASEMENT.
6. NEW MOP SINK WITH FRP SURROUNDD AS NEEDED.
7. PROVIDE 3' WIDE X 26" DEEP CAMBRIA QUARTZ FLIP TOP THIS LOCATION AT 36" A.F.F. REFER TO MILLWORK ELEVATIONS ON SHEET IA-5.
8. PROVIDE BLOCKING THIS LOCATION FOR WALL MOUNTED TV. VERIFY SIZE AND LOCATION OF TV WITH TENANT PRIOR TO INSTALLATION.
9. EXISTING STAIRS TO REMAIN.
10. FURR OUT THIS WALL, PROVIDE 3 5/8" STUD WITH 1 LAYER TYPE "X" GYP. BOARD THIS LOCATION.
11. FURR OUT THIS WALL, PROVIDE 7/8" FURRING CHANNEL. PROVIDE 1 LAYER TYPE "X" GYP BOARD.
12. WRAP EXISTING COLUMNS IN WD-1
13. REFER TO DETAIL 5/IA-5 FOR STAIR DETAIL
14. REFER TO DETAIL 6/IA-5 FOR STAIR DETAIL
15. NEW LOW WALL @ 36" AFF PER ADA REQUIREMENTS. PROVIDE 18" DEEP SOLID SURFACE LEDGE/

WALL LEGEND

PARTITION TYPE: SEE PAGE IA-3.
PARTITION TYPE: SEE PAGE IA-3
PARTITION TYPE: SEE PAGE IA-3

Architect of Record:
Dustin Curtis
ONE! ARCHITECTURE
8686 N. Central Ave. Suite 166
Phoenix, Arizona 85020
Phone: 602.266.2712
www.ONEarchitecture.us

Project Manager: K.AMEN
Drawn by: A.VOTE
Checked by: D.CURTIS
Project Number: NY-045/253

REGISTERED ARCHITECT DUSTIN CURTIS 034555-1 STATE OF NEW YORK
10-29-25

RIKO'S PIZZA

124 CHATWORTH AVE LARCHMONT, NY

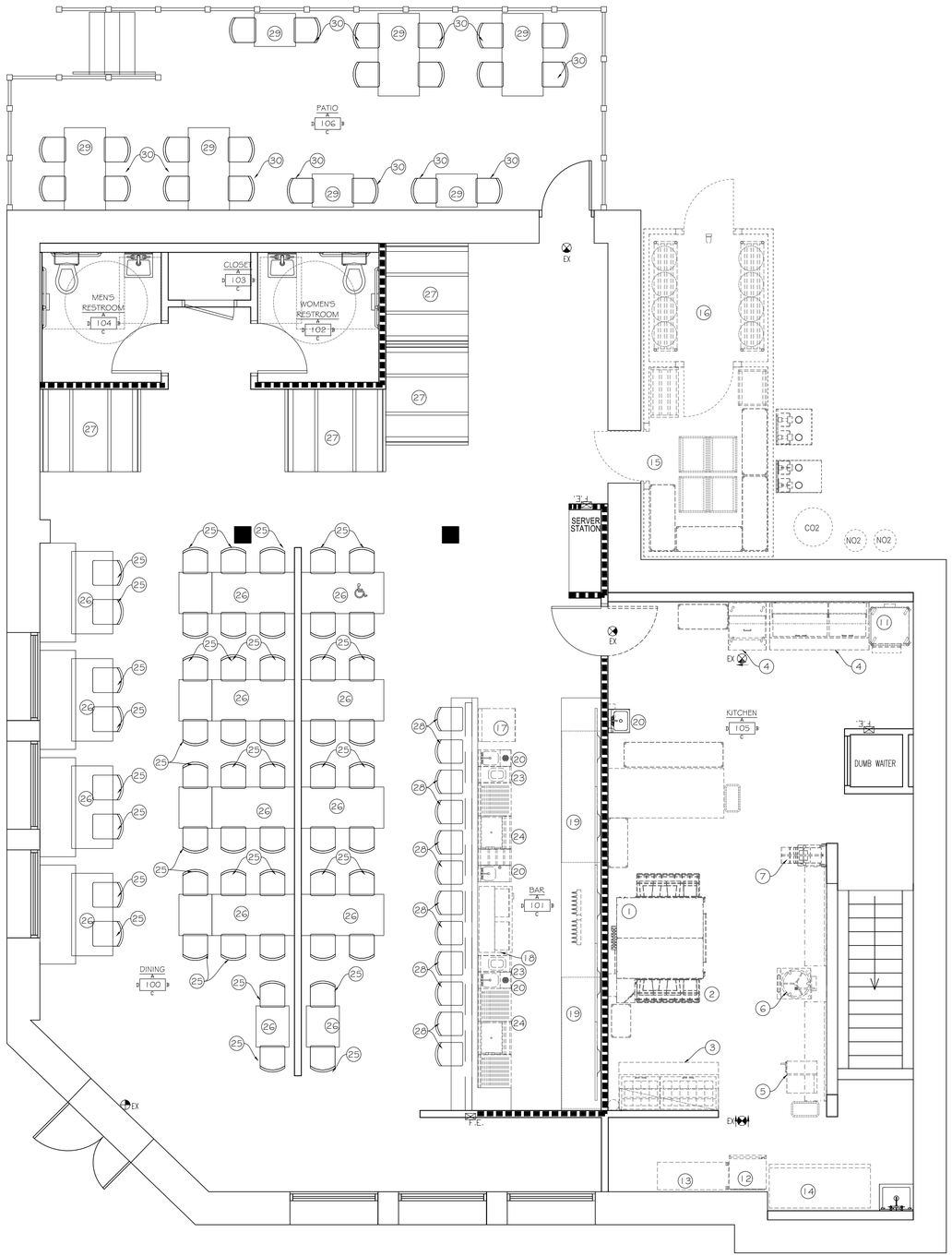
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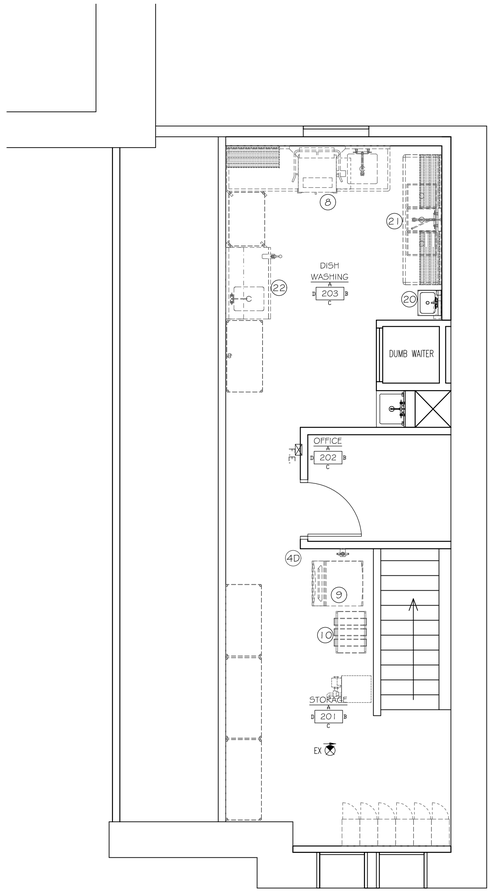
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IA-2.1



EQUIPMENT/FURNITURE PLAN- MAIN FLOOR

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



EQUIPMENT PLAN- MEZZANINE

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

GENERAL NOTES

THE SCOPE OF THIS PROJECT IS A NEW TENANT IMPROVEMENT IN AN EXISTING UNOCCUPIED BUILDING SPACE. WORK INCLUDES NEW INTERIOR PARTITIONS, NEW CEILING GRID AND TILE, NEW CASEWORK, NEW FINISHES, NEW MECHANICAL, NEW PLUMBING, AND NEW ELECTRICAL. TYPICAL WALL TO GO 6" ABOVE GRID.

A. NEW CEILING GRID, TEE'S, MAINS, AND TILES AT 10' A.F.F. UNLESS OTHER WISE NOTED. NEW CLG TILE TO BE ARMSTRONG 2'X4' KITCHEN ZONE LAY IN 673.

B. NEW 2X4 LED LIGHT FIXTURES AND 4" LED CAN LIGHT FIXTURES. PROVIDE ONE LIGHT FIXTURE FOR 75 SQUARE FEET OF TENANT FLOOR AREA UNLESS NOTED OTHERWISE.

C. NEW HVAC SYSTEM, NEW SPRINKLERS AND LIFE SAFETY DEVICES PER NEW LAYOUT AND APPLICABLE CODES. CONTRACTOR TO PRICE NEW LIFE SAFETY DEVICES IF NONE EXIST.SPRINKLER HEADS IN THE CONTROL ZONE AREA SHOULD BE FLUSH OR SEMI RECESSED. THE COVER PLATES ARE TO BE WHITE FINISHED OR PAINTED TO MATCH THE CEILING COLOR.

D. TENANT PROVIDED WINDOW BLINDS.

E. PREPARE FLOOR AND WALL SURFACES TO RECEIVE NEW FINISHES. WALLS TO RECEIVE NEW TILE BASE OR RUBBER BASE AS INDICATED ON PLAN. PAINT ENTIRE SUITE WITH EGGSHELL PAINT ON LEVEL 4 SMOOTH FINISH. TYPICAL THROUGHOUT UNLESS NOTED OTHERWISE.

F. PARTITIONS SHOWN AS "ALIGHNING WITH COLUMNS ARE INTENDED TO HAVE FINISHED GYP. BD. FACE ALIGN WITH THE FINISHED GYP. BD. FACE.

G. PROVIDE BLOCKING IN WALL FOR ALL WALL MOUNTED MILLWORK SUPPLIED AND INSTALLED BY CONTRACTOR AND/OR TENANT. TENANT IS RESPONSIBLE FOR NOTIFYING ARCHITECT OF ANY TENANT PROVIDED MILLWORK THAT REQUIRES BLOCKING.

H. ALL PLASTIC LAMINATED MILLWORK MUST CONFORM TO AWI STANDARDS FOR CUSTOM GRADE.

I. FURR OUT CORE WALLS AND COLUMNS TO ACCOMMODATE POWER WHERE NEEDED AND AS SHOWN.

J. CONTRACTOR TO PROVIDE THE CORRECT NUMBER OF LIFE SAFETY DEVICES (FIRE EXTINGUISHERS AND HORNS/STROBES) AS REQUIRED BY CODE.

K. PROVIDE INSULATION R-19 AT EXT. WALLS. EXISTING INSULATION AT ROOF CAVITY. CONTRACTOR TO VERIFY INTEGRITY OF ANY EXISTING INSULATION.

L. ALL FURNITURE AND EQUIPMENT IN PLAN IS SHOWN FOR EXITING PURPOSES ONLY AND IS NOT IN CONTRACT UNLESS OTHERWISE NOTED.

M. PROVIDE ADA COMPLIANT DOOR HARDWARE WITH LEVER STYLE HARDWARE TO MATCH BUILDING STANDARD. PROVIDE SCHLAGE KEY C KEYWAY.

N. THE PLAN SHOWS THE LOCATION OF TELEPHONE, DATA AND ELECTRICAL OUTLETS. HOWEVER, IT IS THE RESPONSIBILITY OF THE TENANT TO PURCHASE THEIR COMMUNICATION SYSTEMS AND COORDINATE INSTALLATION WITH THE BUILDING CONTRACTOR.

O. ELECTRICAL AND DATA OUTLETS INDICATE QUANTITY ONLY WITHOUT KNOWLEDGE OF TENANT'S FINAL LAYOUT. EXACT LOCATION OF OUTLETS WILL BE DETERMINED BY TENANT UPON APPROVAL OF SPACE PLAN.

P. PROVIDE 4" CONCRETE SLAB OVER 4" A.B.C TO BE FLUSH WITH EXISTING CONCRETE STEM WALL. DOWEL INTO EXISTING STEM SLAB #4 IN EPOXY FILLED HOLE @ 24" O.C.

Q. CONTRACTOR TO FILL IN GAPS AT ALL WINDOWS.

R. SMOKE AND FLAME SPREAD FOR INTERIOR WALLS AND CEILINGS PER ASTM E-84 AND PER THE IBC 803, CLASS C FINISHES REQUIRED FOR "B" OCCUPANCIES PER IBC SECTION 803 TABLE 803.5.

S. THERMAL AND ACOUSTIC INSULATION SHALL COMPLY WITH IBC AND ASTM E-84.

T. VERIFY WITH EQUIPMENT VENDORS SPECIAL EQUIPMENT NEEDS PRIOR TO CONSTRUCTION.

EQUIPMENT /FURNITURE LIST:

1. CONVEYOR PIZZA OVEN..
2. EXHAUST HOOD.
3. PIZZA PREP COOLER.
4. PREP COOLER.
5. DOUGH SHEETER.
6. AUTO SAUCER.
7. CHEESE SHREDDER.
8. DISHMACHINE.
9. ICE MAKER. PROVIDE WATER LINE.
10. SODA SYSTEM.
11. CONVENTION OVEN.
12. GLASS DOOR REFRIGERATOR.
13. FOOD WARMING SHELF.
14. REACH-IN FREEZER.
15. WALK-IN COOLER.
16. WALK-IN BEER COOLER.
17. UNDERBAR GLASSWASHER.
18. MUG FROSTER.
19. BACK BAR COOLER.
20. HAND WASH SINK.
21. 3 COMPARTMENT SINK.
22. PREP STATION WITH SINK.
23. MIXOLOGY STATION.
24. UNDERBAR ICE BIN AND GLASS RACK.
25. DINING CHAIR.
26. TABLE TOP WITH METAL BASE.
27. BOOTH SEATING AND TABLE.
28. BAR STOOL.
29. OUTDOOR TABLE.
30. OUTDOOR CHAIR.

*VERIFY ALL EQUIPMENT WITH THE EQUIPMENT VENDOR.
* 5% OF SEATING SHOULD BE ADA COMPLIANT.

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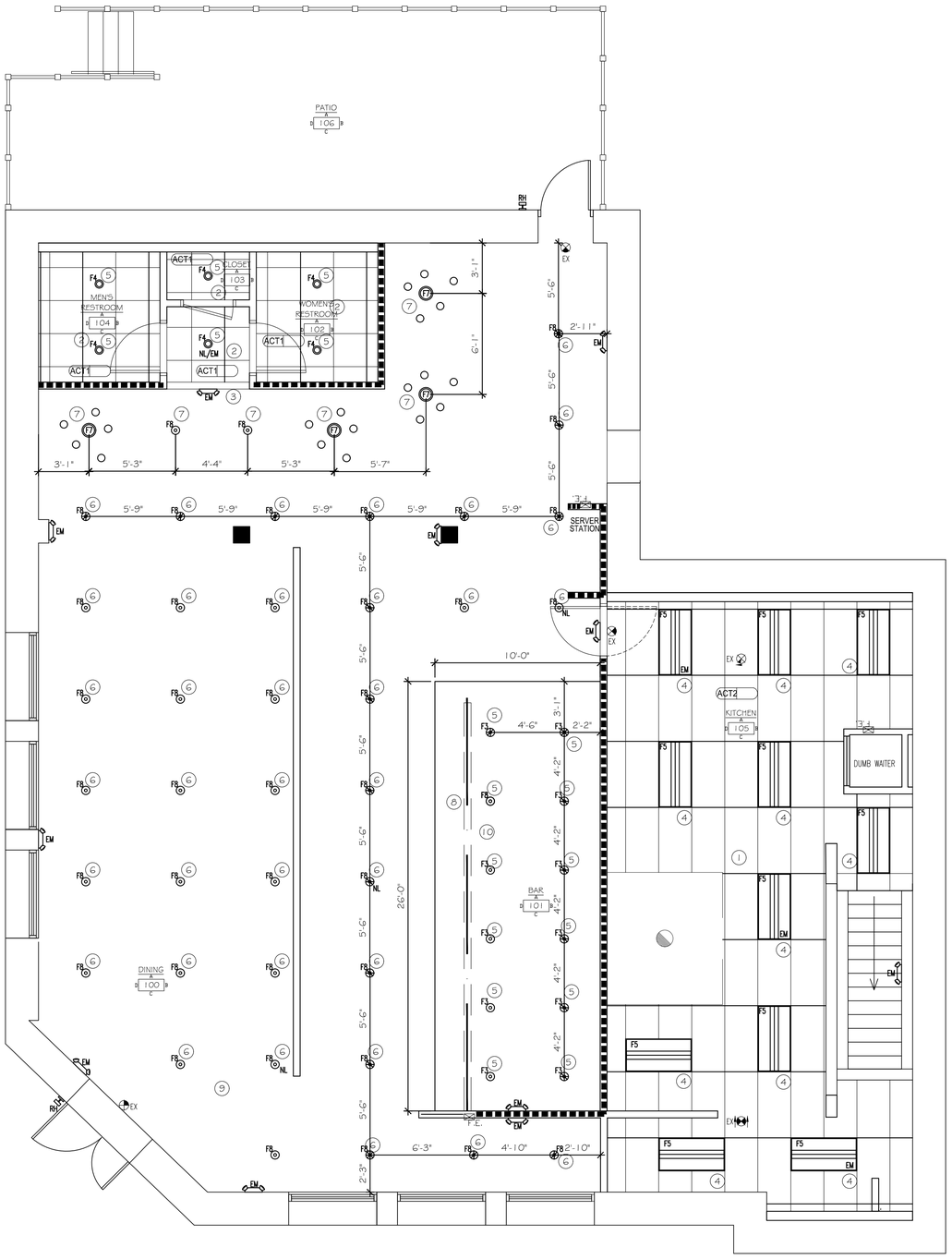
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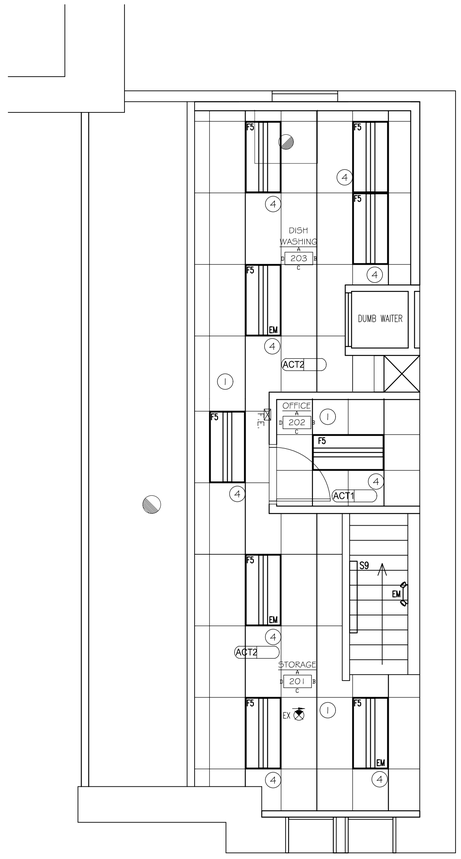
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IA-2.2



REFLECTED CEILING PLAN- MAIN FLOOR

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REFLECTED CEILING PLAN- MEZZANINE

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STANDARD RCP KEY NOTES

1. NEW CEILING TILE AND GRID AT 8'-0" A.F.F.
2. NEW CEILING TILE AND GRID AT 9'-0" A.F.F
3. GYP. BD. HEADER AT 8'-0" A.F.F.
4. NEW 2X4 LED LIGHT FIXTURE THIS LOCATION.
5. NEW CAN LIGHT THIS LOCATION.
6. NEW CEILING MOUNTED LIGHT FIXTURE THIS LOCATION.
7. NEW CLUSTER PENDANT LIGHT FIXTURE THIS LOCATION.
8. NEW TRACK LIGHTING THIS LOCATION.
9. EXPOSED CEILING TO BE PAINTED.ALL EXPOSED STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING SERVICES TO BE ORGANIZED IN A NEAT AND ORDERLY APPEARANCE.
10. 24" H GYP BOARD FLOATING SOFFIT AT 10'-0" A.F.F. REFER TO DETAIL 1 ON IA-2.2.
11. GYP. BD. CLG @ 9'-0" AFF AT RESTROOMS

LIGHTING LEGEND	
	2X4 LED LIGHT FIXTURE
	CANLESS DOWNLIGHT
	4" RECESSED CAN LIGHTING
	CEILING MOUNTED LIGHT FIXTURE
	PENDANT LIGHT FIXTURE
	TRACK LIGHTING

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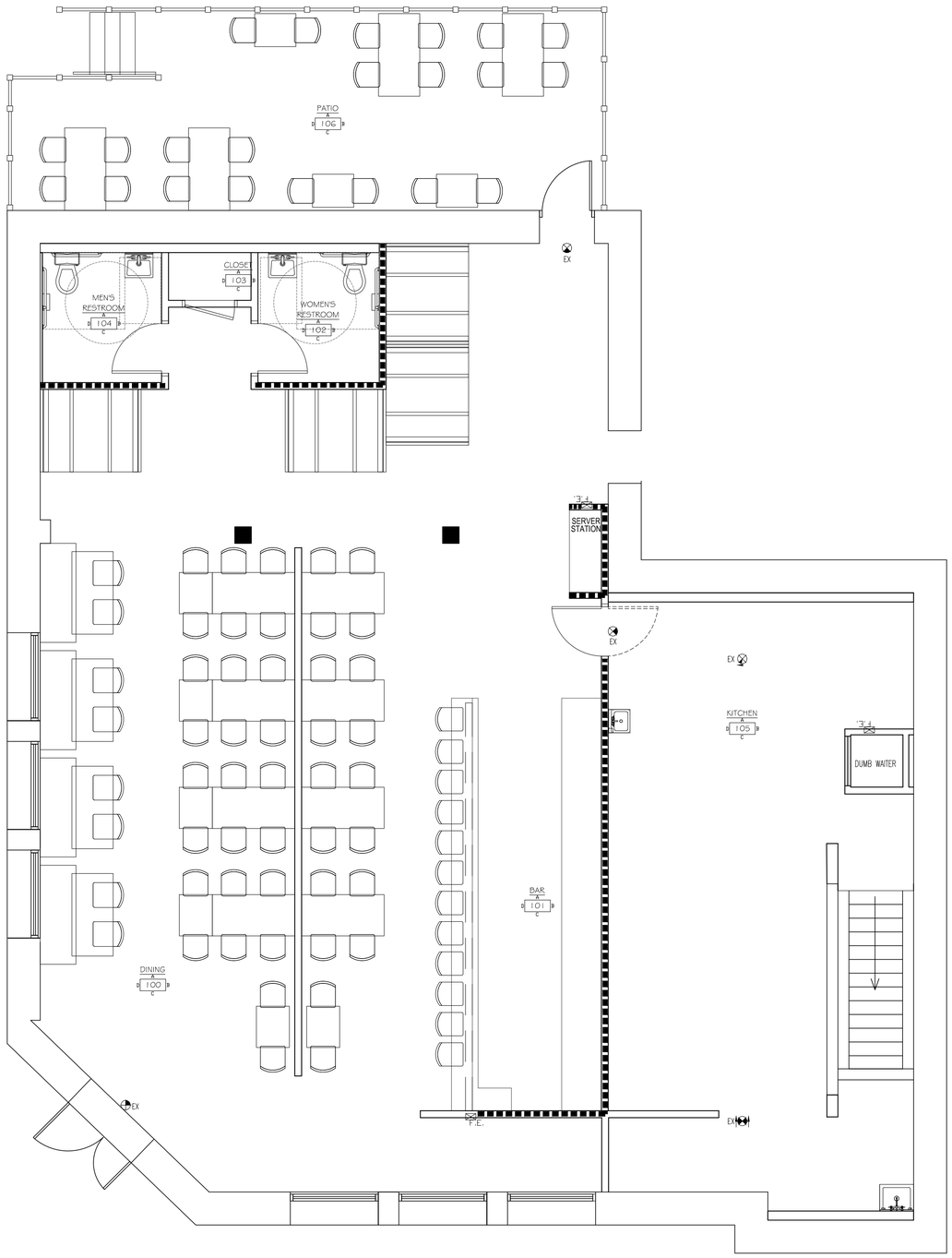
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IA-2.3



NORTH

FURNITURE PLAN- MAIN FLOOR

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

FURNITURE SPECIFICATIONS

ItemNo	Mfr	Model	Category	Spec
CH1	Oak Street	CM-234	Chair	Dining Chair, ladder back, seat to be specified, mig welded 1.2mm gauge frame, 1-1/4" steel tubing, non-marring nylon glides, black powder coat frame finish (seat ships unattached)
BS1	Oak Street	BM-234	Bar Stool	Bar Stool, ladder back, seat to be specified, mig welded 1.0mm frame, 1-1/4" steel tubing, footrest, non-marring nylon glides, black wrinkle powder coat frame finish (seat ships unattached)
B1	Oak Street	DRK-6042-SGL	Booth	Drake Booth, 60"L x 42"H, single, head roll, fully sculptured spring less seat, finished ends and back, top and side cap construction with welting, one step black toe kick with plastic corners, Made in USA
B2	Oak Street	DRK-6042-DBL	Booth	Drake Booth, 60"L x 42"H, double, head roll, fully sculptured spring less seat, finished ends and back, top and side cap construction with welting, one step black toe kick with plastic corners, Made in USA
B3	Oak Street	DRK-7242-SGL	Booth	Drake Booth, 72"L x 42"H, single, head roll, fully sculptured spring less seat, finished ends and back, top and side cap construction with welting, one step black toe kick with plastic corners, Made in USA
B4	Oak Street	DRK-7242-DBL	Booth	Drake Booth, 72"L x 42"H, double, head roll, fully sculptured spring less seat, finished ends and back, top and side cap construction with welting, one step black toe kick with plastic corners, Made in USA
B5	Oak Street	DRK-240X42-BANQ.	Booth	Drake Banquette, 240"L x 42"H, head roll, fully sculptured spring less seat, finished ends, top and side cap construction with welting, one step black toe kick with plastic corners, Made in USA 3 equal sections unfinished outside backs.
B6	Oak Street	DRK-60X90X60X42-U-BOOTH	Booth	Oak Street Model No. DRK-60X90X60X42-U-BOOTH Drake U-Booth, 60" x 90" x 60"L x 42"H, head roll, fully sculptured spring less seat, finished ends, top and side cap construction with welting, one step black toe kick with plastic corners, Made in USA Unfinished outside backs Based off image, it appears only one 60" is needing to the where the waitress station is going. Other side appears to have a wall built. This covers ONLY the (1) 60" side
B17	Oak Street	DRK-48X96X48X42-U-BOOTH	Booth	Oak Street Model No. DRK-48X96X48X42-U-BOOTH Drake U-Booth, 48" x 96" x 48"L x 42"H, head roll, fully sculptured spring less seat, finished ends, top and side cap construction with welting, one step black toe kick with plastic corners, Made in USA Unfinished outside backs Based off image, it appears only one 48" side is needing to be finished. Other side appears to have a wall built. This covers ONLY the (1) 48" side
T1	Oak Street	EEL2430	Table Top	24"x30" Ewood overlay table top. Engineered wood panel construction. 1 1/8" thick. Choice of waterfall, eased, or bullnose edge profile. Black Laminate
T2	Oak Street	EEL3060	Table Top	30"x60" Ewood overlay table top. Engineered wood panel construction. 1 1/8" thick. Choice of waterfall, eased, or bullnose edge profile. Black Laminate
T3	Oak Street	EEL3072	Table Top	30"x72" Ewood overlay table top. Engineered wood panel construction. 1 1/8" thick. Tier 1 laminate: Pinnacle Black Matte C11-SF Clear Coat stain Eased edge profile
T4	Oak Street	EEL2448 - U BOOTH TABLE	Table Top	24"x48" Ewood overlay table top. Engineered wood panel
T5	Oak Street	EEL3642 - U BOOTH TABLE	Table Top	36"x42" Ewood overlay table top. Engineered wood panel
TB1	Oak Street	B22-STD	Metal Table Base	Table Base, 22" x 22" base spread, 3" steel column, 28-3/4" standard height, non-marring adjustable black levelers, stamped steel, black Sandtex finish
TB2	Oak Street	B522-STD	Metal Table Base	Table Base, 5" x 22" base spread, 3" steel column, 28-3/4" standard height, non-marring adjustable black levelers, stamped steel, black Sandtex finish
ODT1	G & A	STC3175	Table, Outdoor	Table, rectangular, 31" x 75", dining height, indoor/outdoor use, synthetic teak slatted top, fully welded, brushed aluminum frame, nylon floor glides
ODT2	G & A	STC3131	Table, Outdoor	Table, square, 31" x 31", dining height, indoor/outdoor use, synthetic teak slatted top, fully welded, brushed aluminum frame, nylon floor glides
ODC1	G & A	8216	Chair	Sol Side Chair, indoor/outdoor use, stacking, synthetic teak ladder back & seat, fully welded, aluminum frame, nylon floor glides

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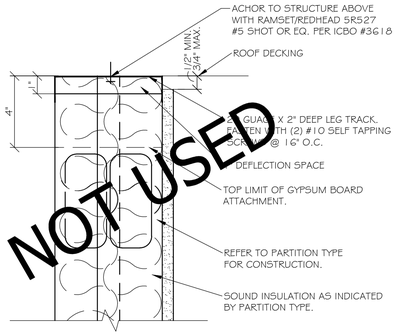
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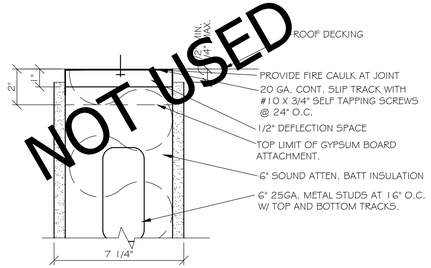


NOT USED

5 MTL.STUD TO ROOF DECK

FIRE RATING: NOT RATED
S.T.C. 50-54

SCALE: 3" = 1'-0" HDG-02

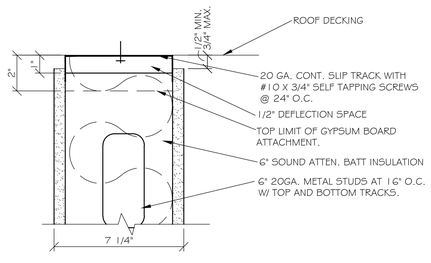


NOT USED

4 METAL STUD TO ROOF DECK

FIRE RATING: 1 HR.
S.T.C. 50-54
UL DESIGN 465

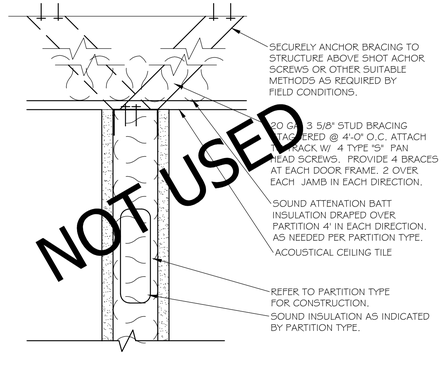
SCALE: 3" = 1'-0" HDG-FIRE



3 METAL STUD TO ROOF DECK

FIRE RATING: N/A
S.T.C. 50-54

SCALE: 3" = 1'-0" HDG-03

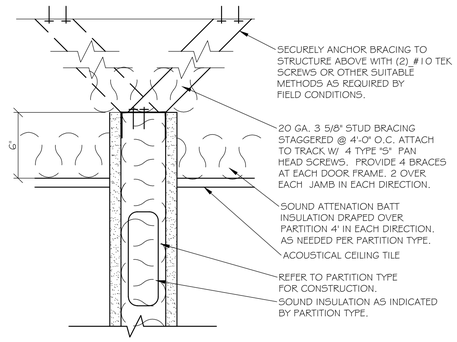


NOT USED

2 MTL.STUD TO UNDERSIDE OF CEILING

FIRE RATING: NOT RATED
S.T.C. 50-54

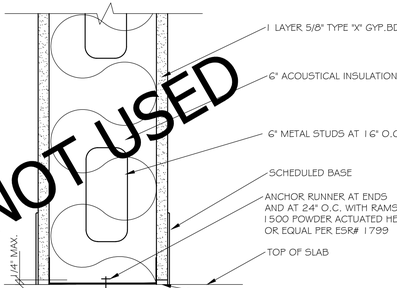
SCALE: 3" = 1'-0" HD334-02



1 MTL.STUD TO ABOVE CEILING

FIRE RATING: NOT RATED
S.T.C. 50-54

SCALE: 3" = 1'-0" HD334-04



NOT USED

E PARTITION TYPE

UL DESIGN 465

FIRE RATING: 1 HR.
S.T.C. 50-54

SCALE: 3" = 1'-0" WD478-05

D LOW PARTITION

FIRE RATING: NOT RATED
S.T.C. N/A

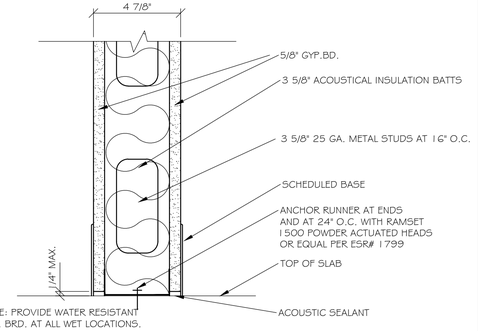
SCALE: 3" = 1'-0" WD478-03

NOT USED

C PARTITION TYPE

FIRE RATING: NOT RATED
S.T.C. 50-54

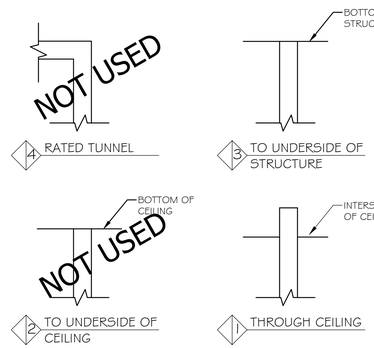
SCALE: 3" = 1'-0" WDG-01



B PARTITION TYPE

FIRE RATING: NOT RATED
S.T.C. 50-54

SCALE: 3" = 1'-0" WD478-02



TYPICAL PARTITION HEAD CONDITIONS

SCALE: N.T.S. HEAD CONDITIONS

STUD WIDTH	STUD GAUGE	SPACING (IN) O.C.	PARTITION HEIGHT	NOTES
2 1/2"	25	16	11'-3"	TABLE IS BASED ON STEEL STUD MANUFACTURES ASSOCIATION ICC 4943P
		24	10'-7"	
	20	16	12'-10"	HEIGHTS ARE BASED ON COMPOSITE WALL SHEATHED BOTH SIDES FULL HEIGHT WITH 5/8" GYPSUM WALLBOARD.
		24	11'-7"	VALUES BASED ON DEFLECTION LIMIT OF L/240
3 5/8"	25	16	14'-4"	ALL COLD-FORMED STEEL FRAMING SHALL MEET THE LATEST EDITION OF THE AMERICAN IRON AND STEEL INSTITUTE, AISI, "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS."
		24	13'-5"	
	20	16	16'-5"	ALL STEEL STUDS AND BRACING SHALL HAVE A MINIMUM YIELD STRENGTH OF 33 KSI.
		24	14'-9"	
6"	25	16	19'-9"	
		24	16'-9"	
	20	16	24'-6"	
		24	21'-7"	
	18	16	28'-7"	
		24	25'-7"	

NON-STRUCTURAL MAXIMUM WALL HEIGHT

HW-1: (2) PAIR BUTTS; (1) AUTO CLOSER; (1) LEVER LOCKSET; (1) WALL STOP SILENCERS — NOT USED

HW-2: (2) PAIR BUTTS; (1) LEVER LOCKSET; (1) WALL STOP SILENCERS — NOT USED

HW-3: (2) PAIR BUTTS; (1) AUTO CLOSER; (1) LEVER LATCHSET; (1) WALL STOP SILENCERS — NOT USED

HW-4: (2) PAIR BUTTS; (1) LEVER LOCKSET; (1) WALL STOP SILENCERS

HW-5: (2) PAIR BUTTS; (1) PRIVACY LOCKSET; (1) AUTO CLOSER; (1) WALL STOP SILENCERS

HW-6: (2) PAIR BUTTS; (1) PRIVACY LOCKSET; (1) WALL STOP SILENCERS — NOT USED

NOTE: PER IBC 2012 1008.1.9 DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES ON DOORS REQUIRED TO BE ACCESSIBLE SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE. MINIMUM ACTIVE FORCE IS 5 POUNDS.

HARDWARE SCHEDULE

ROOM NUMBER	ROOM NAME	FLR.	BASE	WALLS A	WALLS B	WALLS C	WALLS D	CEILING TYPE	CEILING HGT	REMARKS
100	DINING	STC	RBC	PT-1	PT-1	PT-1	PT-1	EXP.	-	EXPOSED CEILING TO BE PT-2. 3" H WD AT 10-0" AROUND PERIMETER OF SPACE
101	BAR	STC	RBC	PT-1	PT-1	PT-1	PT-1	GYP	10'-0"	CLOUD CEILING TO BE PAINTED PT-3
102	WOMEN'S R.R.	STC	CT-1	PT-1 CT-1	PT-1 CT-1	PT-1 CT-1	PT-1 CT-1	ACT1	9'-0"	CT-1 AT 48" A.F.F.
103	CLOSET	STC	RBC	PT-1	PT-1	PT-1	PT-1	ACT1	9'-0"	
104	MEN'S R.R.	STC	CT-1	PT-1 CT-1	PT-1 CT-1	PT-1 CT-1	PT-1 CT-1	ACT1	9'-0"	CT-1 AT 48" A.F.F.
105	KITCHEN	CT-2	CT-2	FRP	FRP	FRP	FRP	ACT2	8'-0"	STAINLESS STEEL PANELING MUST BE APPLIED TO THE WALL AT THE OVEN.
201	STORAGE	CT-2	RBC	PT-1	PT-1	PT-1	PT-1	ACT2	8'-0"	
202	OFFICE	LVT	RBC	PT-1	PT-1	PT-1	PT-1	ACT1	8'-0"	
203	DISHWASHING	CT-2	RBC	FRP	FRP	FRP	FRP	ACT2	8'-0"	

FINISH SCHEDULE

NOTE : ALL PAINT TO BE EGGSHELL FINISH EXCEPT RESTROOMS TO BE SEMI-GLOSS ON WALL SURFACE TO MATCH EXISTING TEXTURE.

LVT	LUXURY VINYL TILE: TBD PROVIDE A $6.00 PER SQUARE FOOT ALLOWANCE INSTALLED.	ST	STONE COUNTERTOP - TBD
STC	POLISHED CONCRETE	FRP	CLASS A SMOOTH WHITE FRP AND TRIM
CT-1	ARTIC 0190 WHITE GX18 TILE. BRICK STACKED 9 COURSES WITH BRUSHED NICKEL SCHLUTER GROUT: MAPEI 10 BLACK	WD	WHITER OAK- ALL WHITE OAK TO BE WIPED WITH "IMPERIAL CLEANWOODE" WOOD CLEANER PRIOR TO BEING FINISHED WITH "WATCO DANISH OIL"
CT-2	QUARRY TEXTURES OTO3 ASHEN GRAY. 6" H COVED GROUT: MAPEI 09 GRAY GROUT.	PLAM-1	CABINET FACE: TBD
PT-1	FIELD COLOR - BENJAMIN MOORE HC-83 GRANT BEIGE	PLAM-2	COUNTER TOP: TBD
PT-2	ACCENT - BENJAMIN MOORE 2134-30 IRON MOUNTAIN	FRAMES	TIMELEY: BLACK
PT-3	ACCENT - BENJAMIN MOORE 2134-70 GENESIS WHITE	DOORS	TBD
BRICK	BOSTON MILL THIN BRICK PANEL. GROUT: MAPEI 5220 EGGSHELL ULTRACOLOR PLUS FA GROUT	ACT1	ARMSTRONG 2X2 CIRRUS 589 BEVELED TEGULAR COLOR: GREY STONE GRID: 9/16" SUPRAFINE GREY STONE 7500 SERIES
		ACT2	ARMSTRONG 2X4' KITCHEN ZONE SQUARE LAY IN 673 GRID: ARMSTRONG PRELUDE XL #7300 SERIES 15/16" WHITE

FINISH NOTES

ACT	ACOUSTICAL TILE	CL	CLOSER	GL	GLASS	PKTD	POCKET DOOR	ST	STONE
ALUM.	ALUMINUM	CRK	CORK FLOORING	GYPBD	GYPSUM BOARD	PLAM	PLASTIC LAMINATE	VCT	VINYL COMPOSITITON TILE
ANOD	ANODIZED	CT	CERAMIC TILE	HC	HOLLOW CORE	PT	PAINT	VS	VINYL SHEET
BC	BIRCH	DKBRZ	DARK BRONZE	HM	HOLLOW METAL	RBC	RUBBER BASE (COVED)	VT	VINYL TILE
BLK	BLK	DKO	DARK OAK	LK	LOCK	RBR	RUBBER FLOORING	VWC	VINYL WALLCOVERING
BS	BUILDING STANDARD	FS	FLOOR MOUNTED STOP	LTD	LIGHT OAK	RBS	RUBBER BASE (STRAIGHT)	WB	WOOD BASE
CB	CARPET BASE	FRP	FIBERGLASS REINFORCED PANELS	LVR	LOUVER	SC	SOLID CORE	WD	WOOD
		FWC	FABRIC WALLCOVERING	MDO	MEDIUM OAK	SS	SOLID SURFACE	WS	WALL MOUNTED STOP
				MHG	MAHOGANY	STC	STAINED CONCRETE	WSCT	WAINSCOTT

ABBREVIATIONS

DOOR SCHEDULE

NO.	DOOR MATL	DOOR SIZE	DOOR FINISH	FRAME TYPE	FRAME FINISH	HARDWARE TYPE	HARDWARE FINISH	REMARKS
100A	EXIST	5'-4"X8'	BS	BS	BS	BS	BS	EXISTING BUILDING STANDARD TENANT ENTRY PROVIDE SIGN IN 1" LETTERS ON OR ADJACENT TO THE DOOR. "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED" DOUBLE KEYED DEADBOLT W/ INTEGRAL INDICATOR- LOCKED/ UNLOCKED. ADAMS RITE MANUFACTURING CO. EXIT INDICATOR #4089 (OR EQUAL)
100B	BS	3X8'	BS	BS	BS	BS	BS	NEW BUILDING STANDARD SECONDARY ENTRY
102	SC/WD	3'X7'	STAIN	MTL	TBD	HW-5	TBD	
103	SC/WD	3'X7'	STAIN	MTL	TBD	HW-4	TBD	
104	SC/WD	3'X7'	STAIN	MTL	TBD	HW-5	TBD	
105	SC/WD	3'X7'	MTL	MTL	TBD	-	TBD	DOUBLE ACTION DOOR WITH 9" X 17" TEMPERED GLASS WINDOW AND 18" H STAINLESS KICK PLATE.
202	SC/WD	3'X7'	STAIN	MTL	TBD	HW-4	TBD	

Architect of Record:
Dustin Curtis
ONE! ARCHITECTURE
8686 N. Central Ave. Suite 166
Phoenix, Arizona 85020
Phone: 602.266.2712
www.ONEarchitecture.us

Project Manager: K.AMEN
Drawn by: A.VOTE
Checked by: D.CURTIS
Project Number: NY-045/253

REGISTERED ARCHITECT DUSTIN CURTIS 034555-1 STATE OF NEW YORK 10-29-25

RIKO'S PIZZA

124 CHATWORTH AVE LARCHMONT, NY

± 3,111 SF

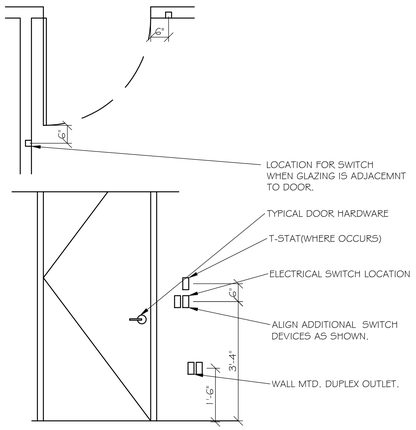
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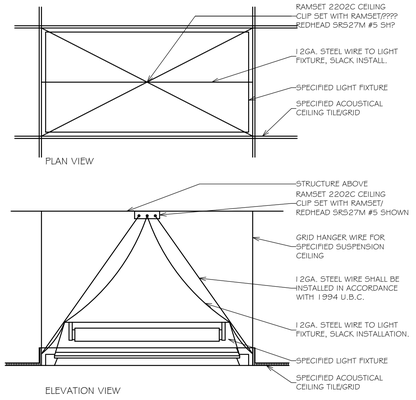
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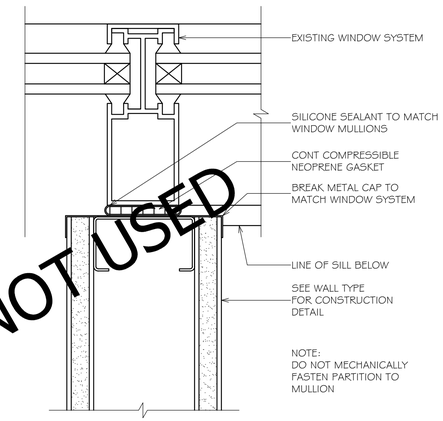
9 TYPICAL MOUNTING LOCATIONS

SCALE: 1/2" = 1'-0" D1010-01



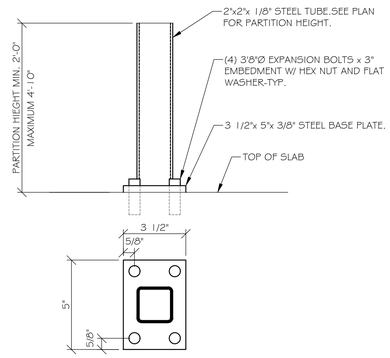
6 LIGHT FIXTURE DETAIL

SCALE: 3/4"=1'-0" D1010-04



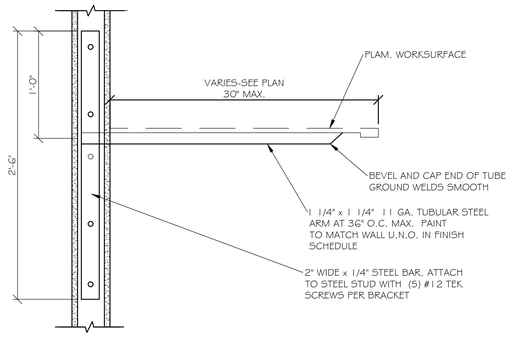
3 WALL TO MULLION

SCALE: NTS D1010-08



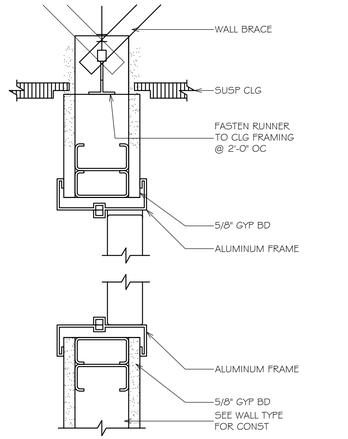
8 LOW PARTITION BRACE

SCALE: 3" = 1'-0"



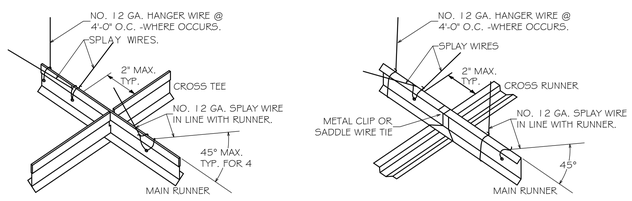
5 COUNTER SUPPORT BRACKET

SCALE: 1 1/2" = 1'-0" D1010-03



2 TYP. HEAD/JAMB INTERIOR DOORS

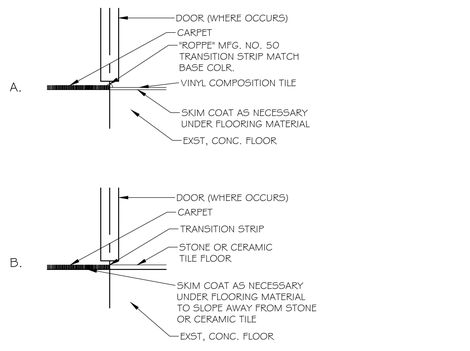
SCALE: 3"= 1'-0" D1010-06



NOTES:
1. WIRES SHALL BE ATTACHED TO SUSPENDED MEMBERS WITH A MIN. OF 3 TURNS.
2. VERTICAL STRUT SHALL BE INSTALLED AT EACH SET OF SPLAY WIRES - 200 POUND DESIGN FORCE.
3. LOCATE FIRST WIRE SUPPORT WITHIN 8" OF WALL.

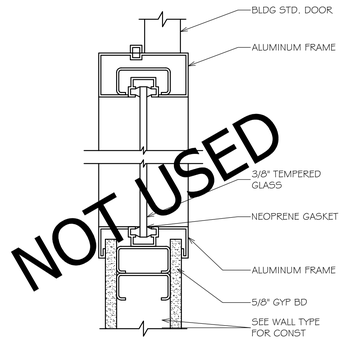
7 CEILING BRACING DETAIL

ICC ESR-1308
IBC SEC. 808.1.1.1, ASTM C 635 AND C 636
SCALE: 1 1/2"=1'-0" D1010-05



4 TYPICAL FLOORING TRANSITIONS

SCALE: 1/2" = 1'-0" D1010-02



1 TYP. JAMB DOOR & SIDELITE

SCALE:3"= 1'-0" D1010-07

FINAME

REVDATE

Architect of Record:
Dustin Curtis
ONE! ARCHITECTURE
8686 N. Central Ave. Suite 166
Phoenix, Arizona 85020
Phone: 602.266.2712
www.ONEarchitecture.us

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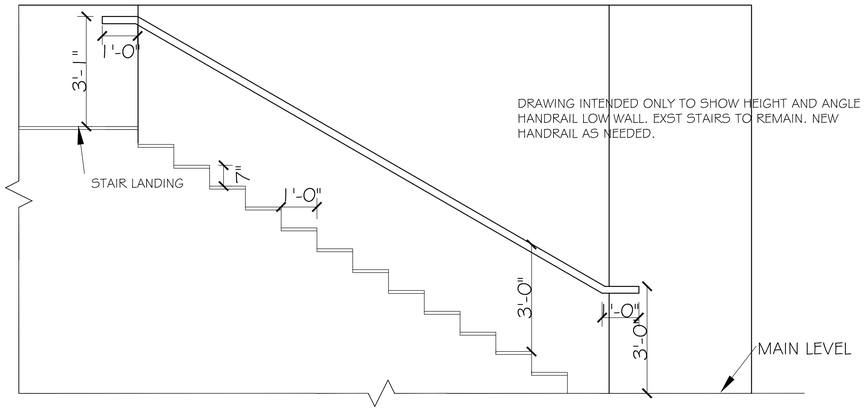
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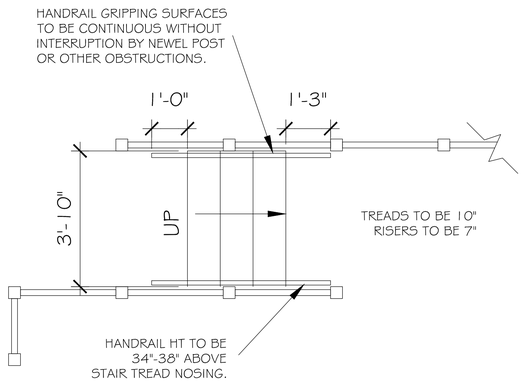
IA-4



DRAWING INTENDED ONLY TO SHOW HEIGHT AND ANGLE OF HANDRAIL LOW WALL. EXST STAIRS TO REMAIN. NEW HANDRAIL AS NEEDED.

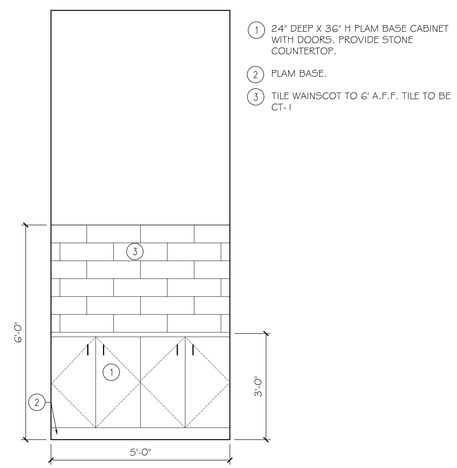
6 STAIR HANDRAIL DETAIL

SCALE: NTS



5 PATIO STAIR DETAIL

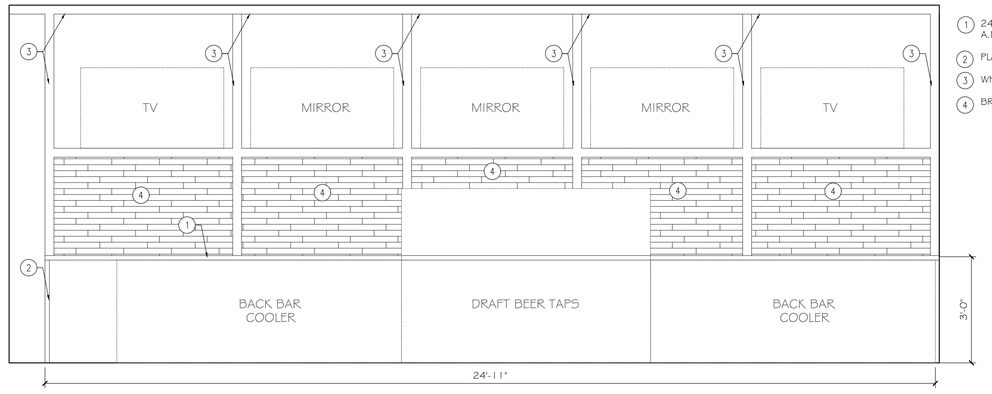
SCALE: NTS



1. 24" DEEP X 36" H PLAM BASE CABINET WITH DOORS. PROVIDE STONE COUNTERTOP.
2. PLAM BASE.
3. TILE WAINSCOT TO 6' A.F.F. TILE TO BE CT-1

4 DINING SERVICE STATION #100 WEST VIEW

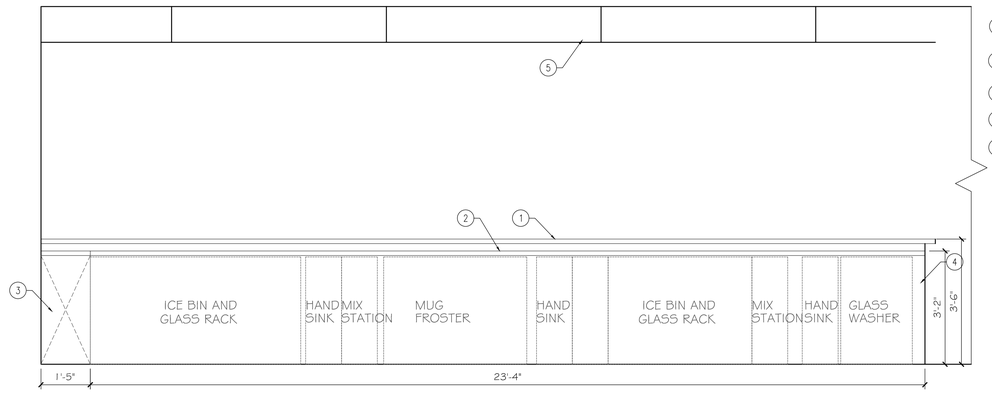
SCALE: 1/2" = 1'-0"



1. 24" DEEP STONE COUNTERTOP AT 36" A.F.F. WITH IN WALL METAL SUPPORTS.
2. PLAM END PANEL
3. WHITE OAK WOOD TRIM
4. BRICK WALL PANELING

3 BAR #101 WEST VIEW

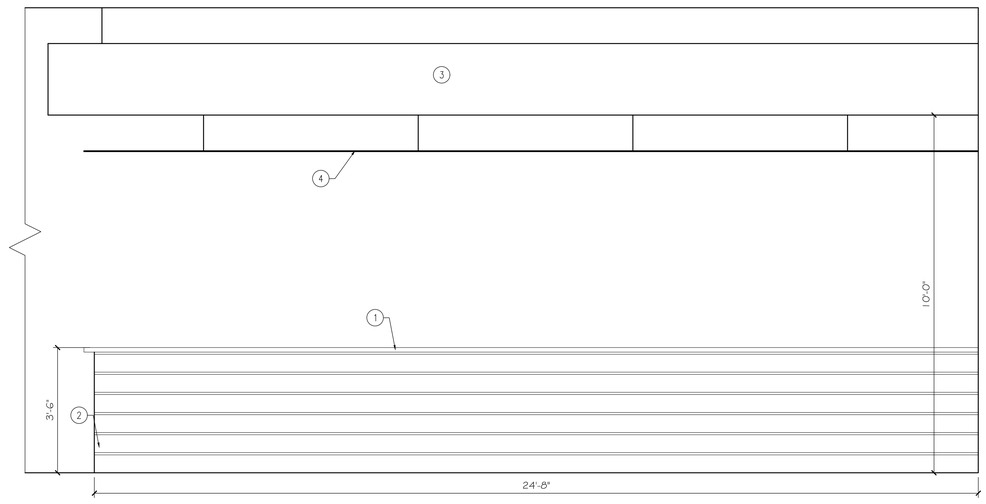
SCALE: 1/2" = 1'-0"



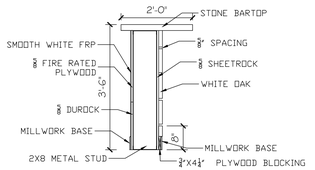
1. 15" DEEP STONE BAR COUNTERTOP AT 42" A.F.F.
2. 4" DEEP STONE LEDGE WITH UNDERCABINET LIGHTING.
3. PLAM END PANEL.
4. LOW WALL AS SCHEDULED WITH WHITE OAK PANELING.
5. TRACK LIGHTING AS SCHEDULED.

2 BAR #101 EAST VIEW

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



1. 15" DEEP STONE BAR COUNTERTOP AT 42" A.F.F.
2. LOW WALL AS SCHEDULED WITH WHITE OAK PANELING.
3. FLOATING SOFFIT AT 10'-0" A.F.F.
4. TRACK LIGHTING AS SCHEDULED.



1 DINING BAR #100 WEST VIEW

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

Architect of Record:
Dustin Curtis
ONE! ARCHITECTURE
8686 N. Central Ave. Suite 166
Phoenix, Arizona 85020
Phone: 602.266.2712
www.ONEarchitecture.us

Project Manager: K.AMEN
Drawn by: A.VOTE
Checked by: D.CURTIS
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REGISTERED ARCHITECT DUSTIN CURTIS 034555-1 STATE OF NEW YORK
10-29-25

RIKO'S PIZZA

124 CHATWORTH AVE LARCHMONT, NY

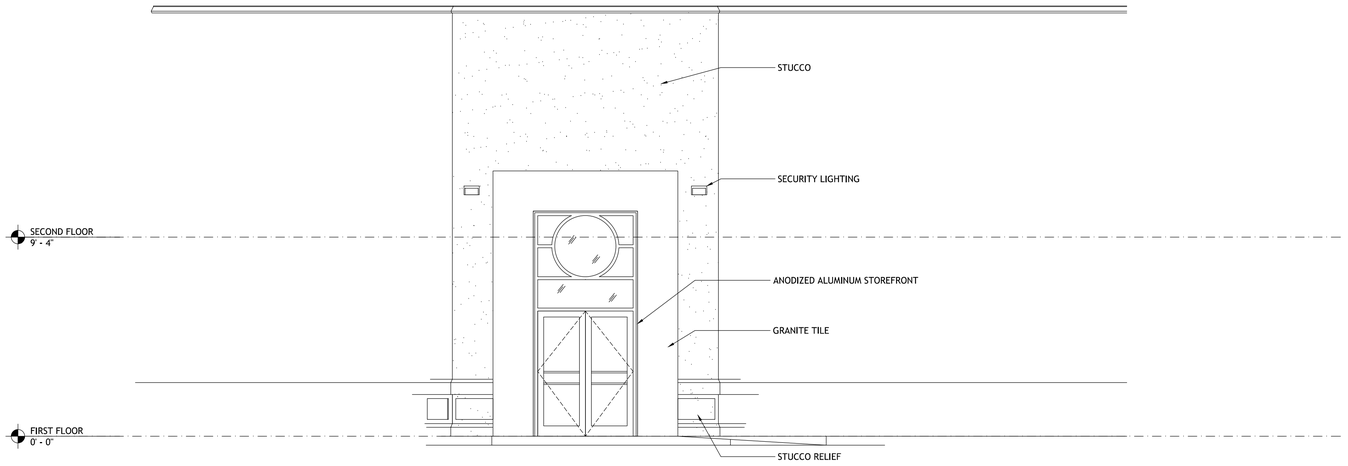
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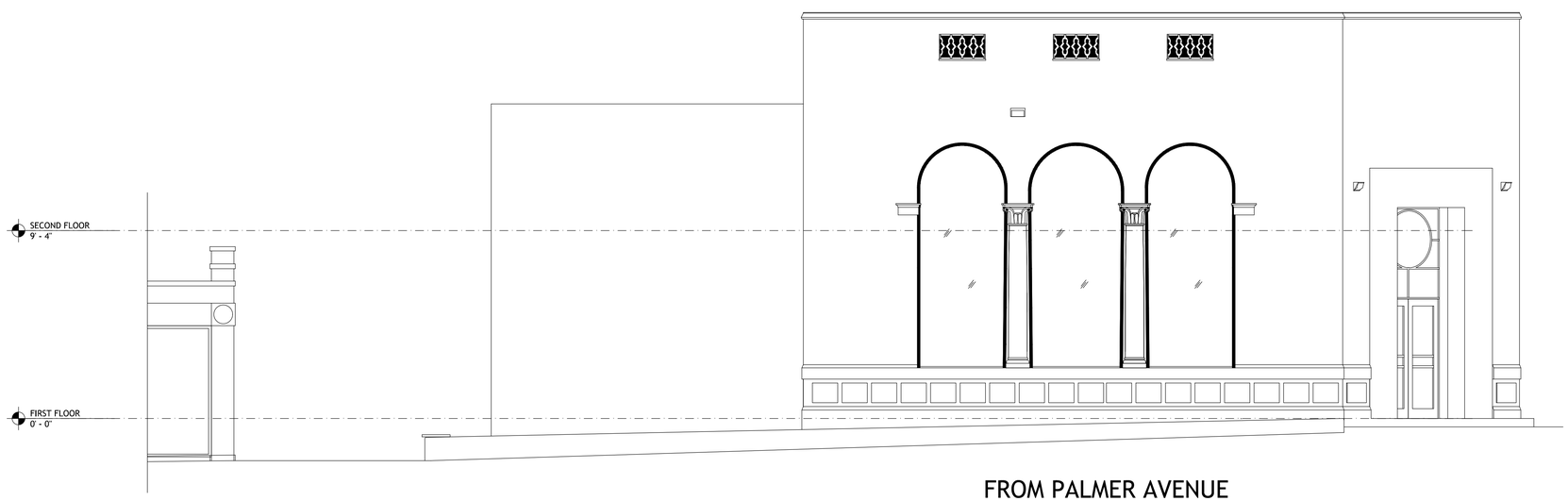
IA-5



FROM INTERSECTION OF PALMER AND CHATSWORTH
NO CHANGES TO EXISTING BUILDING EXTERIOR

BASEMENT FLOOR
-10' - 0"

2 EXTERIOR ELEVATION SOUTH WEST VIEW
SCALE: 1/4" = 1'-0"



FROM PALMER AVENUE
NO CHANGES TO EXISTING BUILDING EXTERIOR

BASEMENT FLOOR
-10' - 0"

1 EXTERIOR ELEVATION WEST VIEW
SCALE: 1/4" = 1'-0"

Architect of Record:
Dustin Curtis
ONE! ARCHITECTURE
8686 N. Central Ave. Suite 166
Phoenix, Arizona 85020
Phone: 602.266.2712
www.ONEarchitecture.us

Project Manager:
K.AMEN
Drawn by:
A.VOTE
Checked by:
D.CURTIS
Project Number:
NY-045/25

REGISTERED ARCHITECT
DUSTIN CURTIS
034555-1
STATE OF NEW YORK
10-29-25

RIKO'S PIZZA

124 CHATSWORTH AVE. LARCHMONT NY, 10538

± 3,111 SF

REVISIONS:

DATE:	ISSUED FOR:
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SHEET:

IA-6

Architect of Record:
Dustin Curtis

ONE!
ARCHITECTURE

8686 N. Central Ave. Suite 166
Phoenix, Arizona 85020
Phone: 602.266.2712
www.ONEarchitecture.us

Project Manager:
K.AMEN
Drawn by:
A.VOTE
Checked by:
D.CURTIS
Project Number:
NY-045/25

REGISTERED ARCHITECT
DUSTIN CURTIS
034555-1
STATE OF NEW YORK
10-29-25

RIKO'S PIZZA

124 CHATSWORTH AVE. LARCHMONT NY, 10538

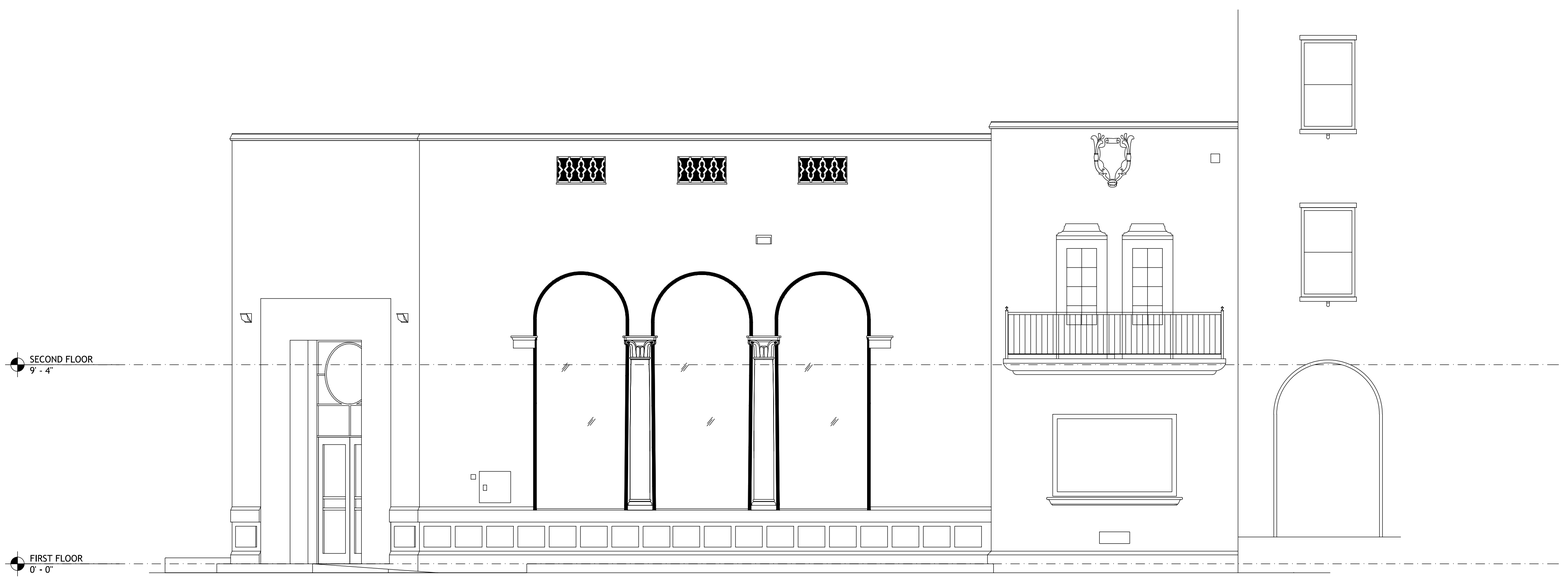
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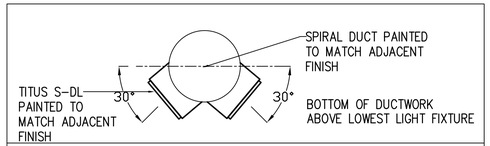
FROM CHATSWORTH AVENUE
NO CHANGES TO EXISTING BUILDING EXTERIOR

1 EXTERIOR ELEVATION SOUTH VIEW
SCALE: 1/4" = 1'-0"

EXHAUST FAN SCHEDULE

	CFM	SP " W.C.	RPM	DRIVE	WATTS	VOLTAGE PH. / HZ.	MANUFACTURER MODEL NO.	NOTES
EF-3	80	0.25"	1,550	DIRECT	87	120/1/60	BROAD LOSONE SELECT L100	1,2,3

NOTES:
1) FAN SHALL BE MOUNTED IN CEILING WITH VIBRATION ISOLATORS.
2) FAN SHALL BE CONTROLLED BY THE TOILET ROOM LIGHT SWITCH.
3) FAN SHALL BE PROVIDED WITH LOW LEAKAGE BACKDRAFT DAMPER.



EXPOSED DUCTWORK

SHEET NOTES

1. TSTAT AND SMOKE DETECTOR TEST STATION MOUNTED AT 48"AFF
2. RTU-1, RTU-2 AND RTU-3 ARE NEW GAS/ELECTRIC ROOFTOP UNITS PER SHEET M3.06. COORDINATE INSTALLATION WITH LOCAL STRUCTURAL ENGINEER FOR MODIFICATIONS TO EXISTING STRUCTURE AS REQUIRED. SET OUTDOOR AIR AS SCHEDULED THIS SHEET.
3. 8"ø UP THROUGH ROOF WITH LOREN COOK ROOF CAP. ALL ROOF WORK BY LANDLORD APPROVED ROOFER AT TENANT GC EXPENSE. MAINTAIN A MIN OF 10'-0" TO ANY OUTDOOR AIR INTAKE.
4. SMOKE DETECTOR FOR UNIT SHUT DOWN

HVAC GENERAL NOTES

1. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT TO INSTALL AND OPERATE THE EXISTING HEATING AND COOLING SYSTEM.
2. CONTRACTOR SHALL PROVIDE ALL REQUIRED HVAC PERMITS.
3. THE CONTRACTOR SHALL COMPLY WITH NFPA-90A AND ALL APPLICABLE CODES.
4. CONTRACTOR SHALL PROVIDE ALL CONTACTORS, RELAYS AND THERMOSTATS. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL SWITCHES, DISCONNECTS. THERMOSTATS SHALL BE AS SPECIFIED.
5. THE CONTRACTOR SHALL PROVIDE A WRITTEN GUARANTEE THAT SHALL WARRANT ALL WORKMANSHIP AND MATERIALS FOR ONE (1) YEAR FROM THE CERTIFICATE OF OCCUPANCY.
6. PROVIDE IONIZATION TYPE SMOKE DETECTORS WHERE SHOWN ON RETURN AND/OR SUPPLY DUCTS AS REQUIRED BY CODE. UPON ACTIVATION, THE SMOKE DETECTORS SHALL SHUT DOWN THE AIR DISTRIBUTION SYSTEM. THE SMOKE DETECTORS SHALL BE CONNECTED TO A FIRE ALARM SYSTEM. THE ACTUATION OF A SMOKE DETECTOR SHALL ACTIVATE A VISIBLE AND AUDIBLE SUPERVISORY SIGNAL AT A CONSTANTLY ATTENDED LOCATION PER CODE.
7. ALL HVAC WORK TO BE PERFORMED SHALL BE IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL CODES.
8. COORDINATE LOCATION OF ALL CEILING DIFFUSERS, GRILLES AND REGISTERS IN THE FIELD WITH THE ELECTRICIAN TO PREVENT CONFLICT WITH LIGHTS AND ARCHITECTURAL ELEMENTS.
9. PROVIDE TWO SETS OF FILTERS, MERV 13, ONE DURING CONSTRUCTION AND ONE FOR USE AFTER OCCUPANCY.
10. ALL WORK OF THIS TRADE SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID ANY INTERFERENCES THAT MAY DELAY PROGRESS DURING CONSTRUCTION.
11. ELECTRICALLY OPERATED EQUIPMENT AND COMPONENTS SHALL BE U.L. LISTED. GAS FIRED EQUIPMENT IF APPLICABLE SHALL BE A.G.A. LABELED.
12. AIR BALANCE CONTRACTOR MUST BE AABC CERTIFIED. AN INDEPENDENT AIR BALANCE CONTRACTOR SHALL TEST AND BALANCE TO THE AIR QUANTITIES ON THE PLAN AND PROVIDE A T & B REPORT FOR APPROVAL, IN ACCORDANCE WITH AIR BALANCE COUNCIL STANDARDS. THREE COPIES OF THE TEST REPORT SHALL BE FURNISHED FOR REVIEW AND MUST BE APPROVED BEFORE OCCUPANCY.
13. CONTRACTOR SHALL FURNISH SHOP DRAWINGS FOR DUCTWORK, AIR DEVICES, AND ALL EQUIPMENT.
14. PROVIDE ACCESS FOR ALL COMPONENTS REQUIRING PERIODIC INSPECTION AND SERVICE THAT ARE LOCATED WITHIN THE SPACE OR REQUIRE ACCESS THROUGH THE SPACE. LABEL ACCESS DOORS AND PANELS OR CEILING TILES, RETURN REGISTERS OR DIFFUSERS UTILIZED FOR ACCESS WITH THE NAME OF THE HIDDEN COMPONENT(S). DEMONSTRATE ACCESS TO ALL HIDDEN COMPONENTS FOR THE FIELD REPRESENTATIVE PRIOR TO OCCUPANCY.
15. CONTRACTOR SHALL INSTALL ALL NECESSARY OFFSETS, BENDS, AND TRANSITIONS REQUIRED TO PROVIDE A COMPLETE SYSTEM.
16. CONTRACTOR SHALL INSTALL THERMOSTATS AT 48" ABOVE THE FINISHED FLOOR TO ANY OPERABLE COMPONENT. COORDINATE BOX LOCATIONS WITH THE ELECTRICAL CONTRACTOR.
17. CONTRACTOR SHALL INSTALL TURNING VANES AT ALL RECTANGULAR DUCTWORK TEES AND 90° ELBOWS WITHIN MAIN TRUNK DUCTS.
18. CONTRACTOR SHALL PROVIDE EQUIPMENT OF THE SCHEDULED CAPACITIES DESIGNED.
19. ALL DUCTWORK & INSULATION SHALL BE FABRICATED & INSTALLED ACCORDING TO THE MOST RECENT PUBLISHED ASHRAE & SMACNA STANDARDS. ALL DUCT JOINTS, SEAMS AND CONNECTIONS SHALL BE SECURELY FASTENED, SEALED, AND TAPED IN ACCORDANCE WITH THE CURRENT ENERGY CONSERVATION CODE INCLUDING UUL 181A AND 181B TAPES AND MASTICS. DUCT COVERINGS AND LININGS SHALL HAVE A FLAME SPREAD INDEX NOT MORE THAN 25 AND A SMOKE DEVELOPED INDEX NOT MORE THAN 50.
20. ALL RECTANGULAR, ROUND & FLEXIBLE DUCTS SHALL BE SIZED AS SHOWN ON THESE DRAWINGS. MINIMUM INTERNAL DIMENSIONS ARE GIVEN. THE CONTRACTOR SHALL INCREASE THE DUCT SIZE ACCORDINGLY FOR INTERNAL INSULATION. ALL DUCTWORK EXCEPT THE ROUND FLEXIBLE TYPE SHALL BE GALVANIZED STEEL. FIBERGLASS DUCT-BOARD SHALL BE AN ACCEPTABLE ALTERNATE WHERE ACCEPTABLE TO LOCAL CODE. IS NOT PERMITTED.
21. RETURN DUCTS SHALL HAVE A MINIMUM 1" THICK, 1.5 PCF DENSITY INSULATION OR AS REQUIRED BY CURRENT ENERGY CODE.
22. SUPPLY, TRANSFER AND OUTDOOR AIR DUCTS SHALL HAVE MINIMUM OF 1 1/2" THICK, 0.75 PCF FIBERGLASS INSULATION BLANKET WRAP WITH FACTORY-APPLIED REINFORCED KRAFT PAPER & ALUMINUM FOIL VAPOR BARRIER. OR AS REQUIRED BY CURRENT ENERGY CODE.
23. ALL FLEXIBLE ROUND SUPPLY DUCT SHALL BE THERMAFLEX G-KM AIR DUCT LISTED AS CLASS 1 BY UL STANDARD 181 & COMPLYING WITH NFPA 90A & 90B. DUCT SHALL BE FACTORY MADE & COMPOSED OF A CPE LINER BONDED TO A COATED STEEL WIRE HELIX SUPPORTING A FIBERGLASS SCRIM & 1-1/2" FIBERGLASS INSULATING BLANKET WRAP WITH BLACK POLYETHYLENE FILM VAPOR BARRIER. MAX. LENGTH SHALL SHALL BE 4'-0". USE 1" X 16 GA HANGER STRAPS. INSTALL 2 WRAPS OF DUCT TAPE OVER LINER WITH 4 SCREWS OR 1/2" WIDE METAL BAND CLAMP OR PANDUIT STRAP. INSTALL 2 WRAPS OF DUCT TAPE OVER JACKET & CLAMP.
24. ALL ROUND TAKE-OFFS FROM RECTANGULAR DUCTS SHALL BE A "CREATIVE METALS, INC." SPIN-TITE FITTING, MODEL MSED (SPIN-IN WITH SCOOP & DAMPER) OR APPROVED EQUAL.
25. REFRIGERANT LINES IF APPLICABLE SHALL BE TYPE "L" COPPER TUBING IN CONTINUOUS, UNCOUPLED & UNSPLICED LENGTHS FROM THE EVAPORATOR TO THE CONDENSER. REFRIGERANT LINES SHALL BE SIZED BY MANUFACTURER. PROVIDE THERMAL EXPANSION VALVES WITH HARD SHUT-OFFS & FILTER DRYER AT EVAPORATOR COILS. INSULATE THE SUCTION LINES WITH ARMSTRONG AP ARMAFLEX SS.
26. AIR DEVICES ABOVE DRYWALL CEILINGS SHALL HAVE OPPOSED-BLADE DAMPER WITH DEVICES. AIR DEVICES ABOVE LAY-IN CEILINGS SHALL HAVE DUCT DAMPERS WHERE SHOWN ON THE PLANS.
27. HVAC CONTRACTOR SHALL COORDINATE CONDENSATE DRAINS WITH PLUMBING CONTRACTOR.
28. SIZE OF DUCT TAKE-OFFS TO CEILING DIFFUSERS AND SUPPLY GRILLS IS SAME AS AIR DEVICE NECK SIZE, UNLESS OTHERWISE NOTED.
29. PROVIDE WHITE ON RED BACK GROUND ENGRAVED PLASTIC NAME PLATES WITH 1" LETTERING FOR ALL MECHANICAL EQUIPMENT, I.E. RTU-1, EF-1, ETC.
30. PROVIDE MINIMUM CLEARANCE FOR ALL HVAC EQUIPMENT REQUIRED FOR PROPER MAINTENANCE.
31. PRIME AND PAINT ALL OUTDOOR FERROUS MATERIALS WHICH WERE NOT PREVIOUSLY PAINTED.
32. THE FOLLOWING SPECIFICATIONS SHALL GOVERN WITH MODIFICATIONS AS SPECIFIED HEREIN; AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS (ASHREA) HANDBOOK FUNDAMENTALS.
33. EXTEND EXISTING FORCED AIR HEATING AND COOLING SYSTEM INTO NEW AREAS. HVAC SUBCONTRACTOR TO DETERMINE WHETHER NEW EQUIPMENT IS REQUIRED OR WHETHER A SUPPLEMENTAL UNIT IS REQUIRED. PROPOSAL SHALL INDICATE INTENDED APPROACH.
34. GENERAL CONTRACTOR, HVAC SUBCONTRACTOR AND ARCHITECT SHALL REVIEW THE PROPOSED LOCATIONS OF ALL SUPPLY AND RETURN REGISTERS IN THE FIELD PRIOR TO FABRICATION OR INSTALLATION OF NEW DUCTWORK.
35. GENERAL CONTRACTORS SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING (FLOORS, CEILINGS, WALL) REQUIRED BY THE NEW DUCTWORK. LANDLORD APPROVAL IN WRITING REQUIRED PRIOR TO ALL CUTTING.
36. ALL DUCTS RUN THROUGH UNCONDITIONED SPACES (I.E. ATTICS, CRAWL SPACE) SHALL BE INSULATED (I.E. WRAPPED WITH MINIMUM OF R6 INSULATION OR AS REQUIRED BY CURRENT ENERGY CODE).
37. NEW SYSTEM, ONCE COMPLETED, SHALL BE TESTED AND BALANCED TO THE SATISFACTION OF THE OWNER. TEST RUNS SHALL BE PERFORMED FOR BOTH HEATING AND COOLING MODES.

GRILLE, REGISTER & DIFFUSER SCHEDULE

	MARK	MFGR.	MODEL	NECK VELOCITY FPM (MAX)	DEVICE SIZE	AIR PATTERN	MOUNTING	TYPE
	S-1 XX	TITUS	TMS	300	24" X 24"	ALL-WAY	PER PLAN	SUPPLY
	S-2 XX	TITUS	US-DL	300	18" X 6"	DRUM	DUCT	SUPPLY
	S-3 XX	TITUS	TMS	300	12" X 12"	ALL WAY	PER PLAN	SUPPLY
	R-1 XX	TITUS	50F	400	24" X 24"	ALL WAY HORIZONTAL	PER PLAN	RETURN
	R-2 XX	TITUS	50F	300	12" X 12"	ALL WAY	PER PLAN	RETURN

NOTES:
1. MOUNTING FRAMES SHALL BE COMPATIBLE WITH CEILING TYPE.
2. PROVIDE OPPOSED BLADE DAMPER WITH EXTENDED LEVER ARM THROUGH FACE OF DIFFUSER.
3. IN ACT PROVIDE FACTORY WHITE FINISH.
4. ALL CEILING DIFFUSERS ARE ALL WAY DISCHARGE UNLESS NOTED OTHERWISE
5. DUCT RUNOUTS ARE SIZED PER THE NECK OF THE DIFFUSER.
6. ALL DIFFUSERS SHALL HAVE DAMPERS FOR BALANCING. IF NOT IN FACE OF DIFFUSER, INSTALL IN ACCESSIBLE DUCT.
7. NO ALTERNATES ACCEPTED.

DIFFUSER NECK SIZING	
0-99 CFM	6"
100-175 CFM	8"
176-275 CFM	10"
276-400 CFM	12"
401-535 CFM	14"

INSTALLATION CRITERIA

MECHANICAL CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND MODIFY AS REQUIRED TO DISTRIBUTE AIR WITHIN THE SPACE AS SHOWN ON PLAN.

SUPPLY AND RETURN DUCTWORK SHALL BE INSTALLED TO MEET OR EXCEED ALL CODE REQUIREMENTS AND WITHIN ACCEPTABLE INDUSTRY STANDARDS. M.C. SHALL PROVIDE FOR A COMPLETE AND OPERABLE SYSTEM. REPLACE ANY EXISTING COMPONENTS AS REQUIRED. M.C. SHALL BE RESPONSIBLE FOR PROVIDING WARRANTY OF ALL WORK.

MAIN TRUNK SUPPLY DUCT WITH NO AIR DIFFUSERS NOT TO EXCEED 1000 FEET PER MINUTE VELOCITY.

ALL SUPPLY BRANCH AND RETURN DUCTWORK SHALL BE INSTALLED NOT TO EXCEED 500 FEET PER MINUTE VELOCITY.

DISTRIBUTION SUPPLY / RETURN DUCT WITH AIR DIFFUSERS /GRILLS NOT TO EXCEED 500 FEET PER MINUTE VELOCITY.

AIR AT DIFFUSERS FACE NOT TO EXCEED 500 FEET PER MINUTE.

PROVIDE SMOKE DETECTORS FOR UNIT SHUTDOWN AS REQUIRED BY CODE.

HEATING VENTILATING AND AIR-CONDITIONING

1. THE FOLLOWING SPECIFICATIONS SHALL GOVERN WITH MODIFICATIONS AS SPECIFIED HEREIN: AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS (ASHREA) HANDBOOK FUNDAMENTALS.
2. EXTEND EXISTING FORCED AIR HEATING AND COOLING SYSTEM INTO NEW AREAS. HVAC SUBCONTRACTOR TO DETERMINE WHETHER NEW EQUIPMENT IS REQUIRED OR WHETHER A SUPPLEMENTAL UNIT IS REQUIRED. PROPOSAL SHALL INDICATE INTENDED APPROACH.
3. GENERAL CONTRACTOR, HVAC SUBCONTRACTOR AND ARCHITECT SHALL REVIEW THE PROPOSED LOCATIONS OF ALL SUPPLY AND RETURN REGISTERS IN THE FIELD PRIOR TO FABRICATION OR INSTALLATION OF NEW DUCTWORK.
4. GENERAL CONTRACTORS SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING (FLOORS, CEILINGS, WALL) REQUIRED BY THE NEW DUCTWORK. LANDLORD APPROVAL IN WRITING REQUIRED PRIOR TO ALL CUTTING.
5. ALL DUCTS RUN THROUGH UNCONDITIONED SPACES (I.E. ATTICS, CRAWL SPACE) SHALL BE INSULATED (I.E. WRAPPED WITH R6 INSULATION).
6. NEW SYSTEM, ONCE COMPLETED, SHALL BE TESTED AND BALANCED TO THE SATISFACTION OF THE OWNER. TEST RUNS SHALL BE PERFORMED FOR BOTH HEATING AND COOLING MODES. CERTIFIED TEST AND BALANCE REPORT SHALL BE SUBMITTED TO LL AND TENANT.

RETURN AIR PLENUM

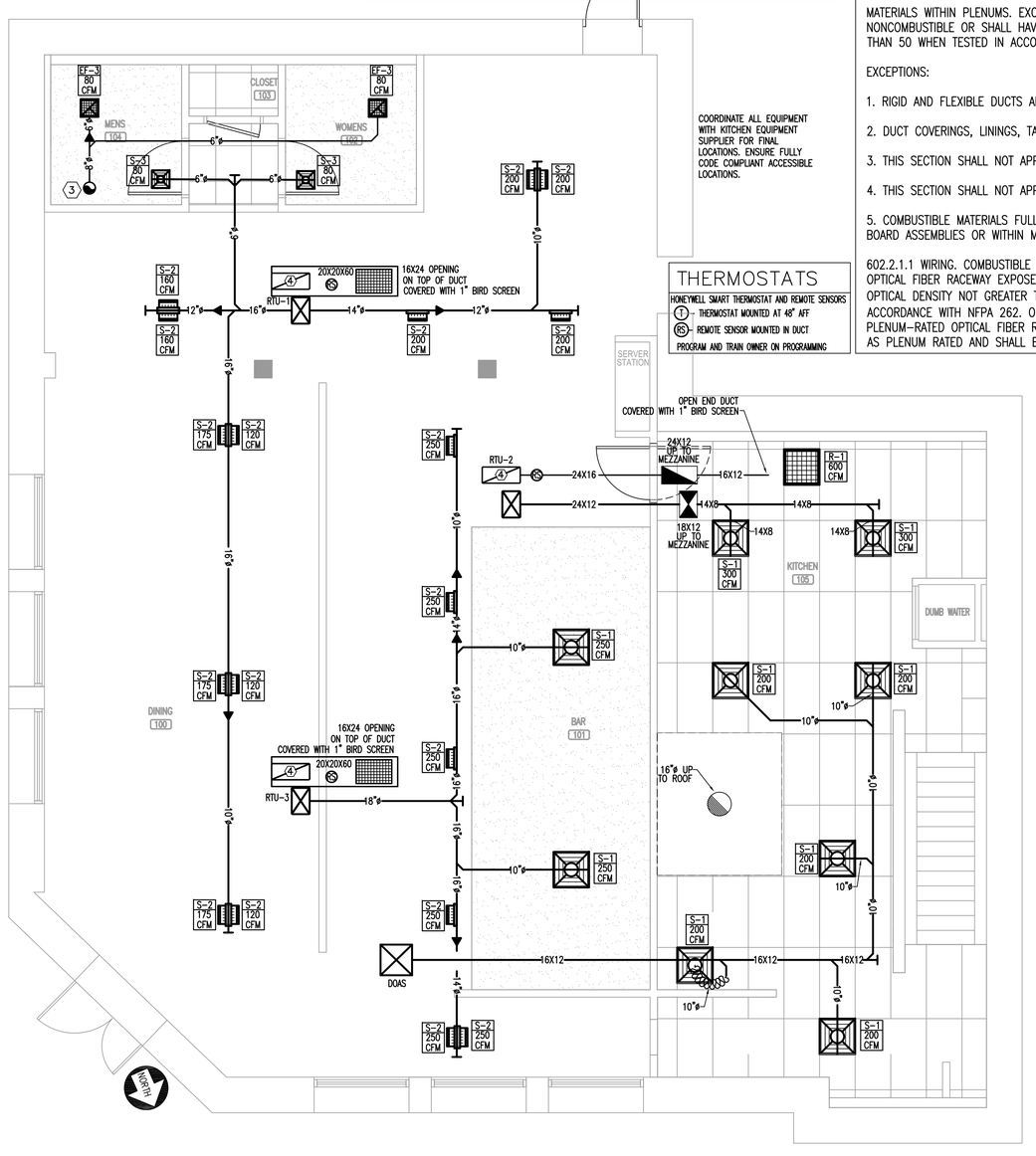
MATERIALS EXPOSED WITHIN A DUCT OR PLENUM SHALL COMPLY WITH SECTION 602.2

MATERIALS WITHIN PLENUMS. EXCEPT AS REQUIRED BY SECTIONS 602.2.1.1 THROUGH 602.2.1.6, MATERIALS WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84 ORUL 723.

EXCEPTIONS:

1. RIGID AND FLEXIBLE DUCTS AND CONNECTORS SHALL CONFORM TO SECTION 603.
2. DUCT COVERINGS, LININGS, TAPE AND CONNECTORS SHALL CONFORM TO SECTIONS 603 AND 604.
3. THIS SECTION SHALL NOT APPLY TO MATERIALS EXPOSED WITHIN PLENUMS IN ONE- AND TWO-FAMILY DWELLINGS.
4. THIS SECTION SHALL NOT APPLY TO SMOKE DETECTORS.
5. COMBUSTIBLE MATERIALS FULLY ENCLOSED WITHIN CONTINUOUS NONCOMBUSTIBLE RACEWAYS OR ENCLOSURES, APPROVED GYPSUM BOARD ASSEMBLIES OR WITHIN MATERIALS LISTED AND LABELED FOR SUCH APPLICATION.

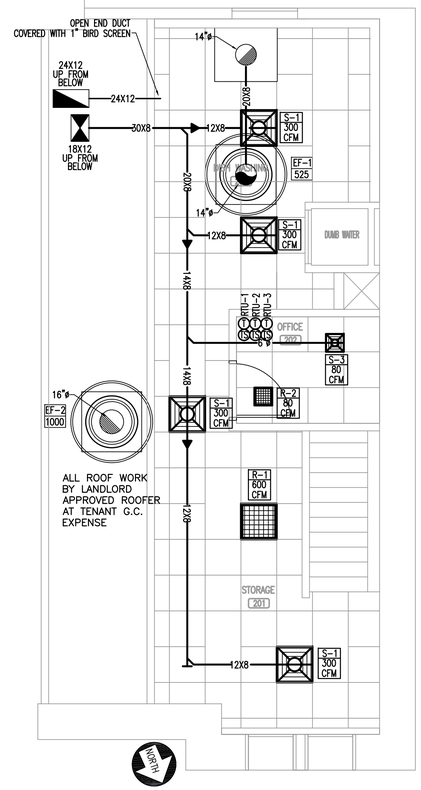
602.2.1.1 WIRING. COMBUSTIBLE ELECTRICAL OR ELECTRONIC WIRING METHODS AND MATERIALS, OPTICAL FIBER CABLE, AND OPTICAL FIBER RACEWAY EXPOSED WITHIN APLENUM SHALL HAVE A PEAK OPTICAL DENSITY NOT GREATER THAN 0.50, AN AVERAGE OPTICAL DENSITY NOT GREATER THAN 0.15, AND A FLAME SPREAD NOT GREATER THAN 5 FEET (1524 MM) WHEN TESTED IN ACCORDANCE WITH NFPA 262. ONLY TYPE OFNP (PLENUM RATED NONCONDUCTIVE OPTICAL FIBER CABLE) SHALL BE INSTALLED IN PLENUM-RATED OPTICAL FIBER RACEWAYS. WIRING, CABLE, AND RACEWAYS ADDRESSED IN THIS SECTION SHALL BE LISTED AND LABELED AS PLENUM RATED AND SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 70.



HVA/C PLAN GROUND FLOOR
SCALE: 1/4"=1'-0"

THERMOSTATS

HONEYWELL SMART THERMOSTAT AND REMOTE SENSORS
1 - THERMOSTAT MOUNTED AT 48" AFF
RS - REMOTE SENSOR MOUNTED IN DUCT
PROGRAM AND TRAIN OWNER ON PROGRAMMING



HVA/C PLAN MEZZANINE
SCALE: 1/4"=1'-0"

CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BID AND REPORT ANY DISCREPANCIES BACK TO OWNER. G.C. SHALL COORDINATE ALL SUB CONTRACTORS AND ENSURE A COMPLETE FULLY CODE COMPLIANT AND PROFESSIONALLY FINISHED TENANT SPACE.

ISSUED / REVISIONS:

STATE OF NEW YORK ERIC ENGELL 081395 LICENSED PROFESSIONAL ENGINEER 10/30/2025

ENGINEERING AND DESIGN PLLC
PO Box 213 (Kelling)
4236 HWY 36/30
Annville, KY 40402
FIRM 23179
Phone (606)-364-2886
Fax (606)-364-5100
E-Mail: eric@emrengineers.com
Web Address: emrengineers.com

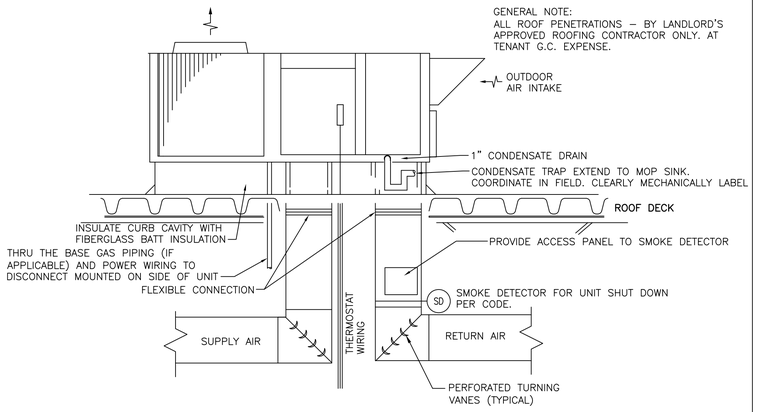
ONE! ARCHITECTURE
8686 N. Central Ave. Suite 166
Phoenix, Arizona 85020
Phone: 602.266.2712
Fax: 602.266.1688
www.ONEarchitecture.us
Architect: Dustin Curtis

RIKO'S THIN CRUST PIZZA
124 CHATSWORTH AVE
LARCHMONT, NEW YORK 10538

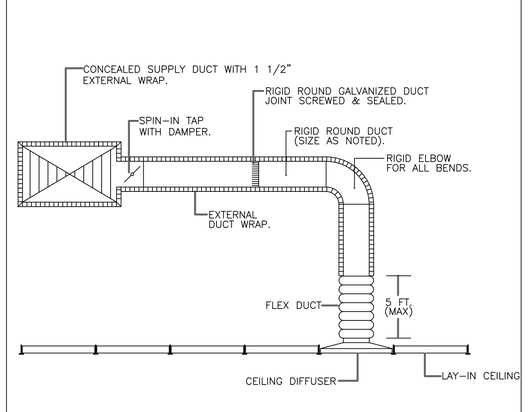
CHECKED BY:	Staff
DRAWN BY:	Staff
DATE:	OCTOBER 30, 2025
SCALE:	PER PLAN
PROJECT No.:	RP 2601

SHEET TITLE
HVA/C FLOOR PLAN AND SCHEDULES

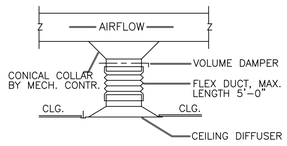
SHEET No.
M3.01



1 TYPICAL RTU DETAIL



2 TYPICAL DUCT DETAIL

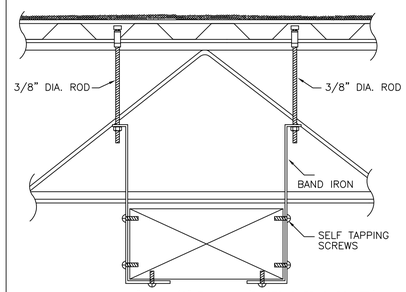


NOTES:

FLEXIBLE DUCT IS TO BE USED FOR VERTICAL DROPS ONLY. RUNOUTS AND ELBOWS ARE TO BE SHEET METAL DUCT.

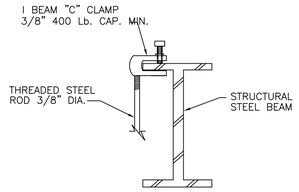
THE MECHANICAL CONTRACTOR MUST PROVIDE ADAPTERS FOR DIFFUSERS WITH SQUARE AND RECTANGULAR NECKS AS REQUIRED.

3 BOTTOM DISCHARGE FLEX DUCT / DIFFUSER DETAIL

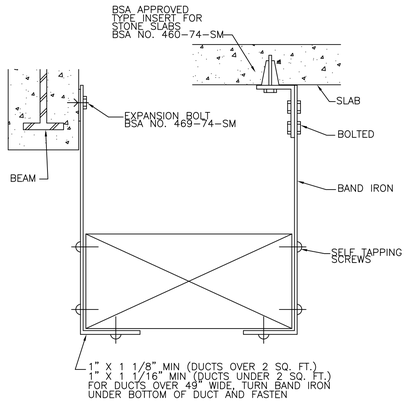


1" X 1/8" TK. MIN. (DUCTS OVER 2 SQ. FT.)
1" X 1/16" TK. MIN. (DUCTS UNDER 2 SQ. FT.)
FOR DUCTS OVER 49" WIDE, TURN BAND IRON UNDER BOTTOM OF DUCT AND FASTEN

NOTE:
DISTANCE BETWEEN DUCT HANGERS SHALL BE IN ACCORDANCE WITH THE RULES OF THE AGENCIES HAVING JURISDICTION.

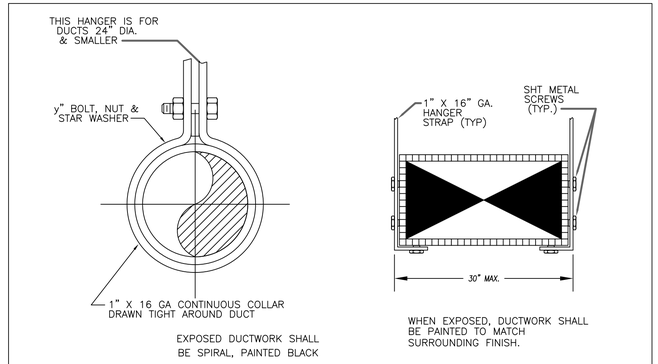


NOTE:
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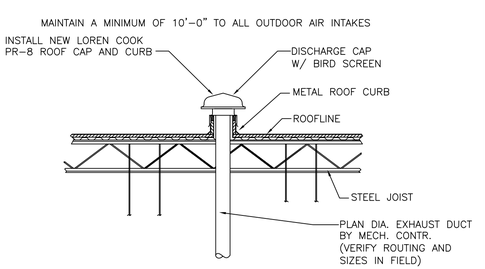
1" X 1 1/8" MIN (DUCTS OVER 2 SQ. FT.)
1" X 1 1/16" MIN (DUCTS UNDER 2 SQ. FT.)
FOR DUCTS OVER 49" WIDE, TURN BAND IRON UNDER BOTTOM OF DUCT AND FASTEN

4 TYPICAL METHOD OF HANGING DUCTWORK

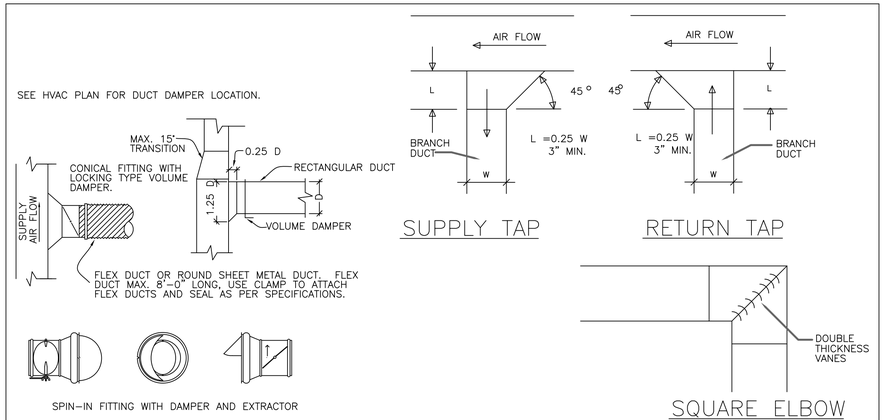


DUCT HANGERS SHALL BE INSTALLED TO MEET OR EXCEED CURRENT SMACNA STANDARDS OR LOCAL CODE WHICHEVER IS THE MOST STRINGENT.

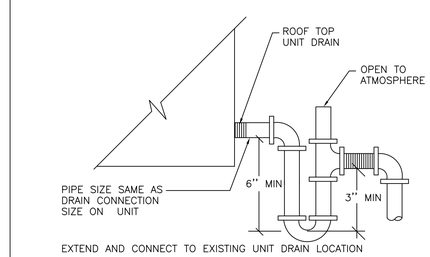
5 TYPICAL DUCT HANGERS



6 EXHAUST FAN



7 TYPICAL DUCT WORK DETAILS



8 CONDENSATE DRAIN

CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BID AND REPORT ANY DISCREPANCIES BACK TO OWNER. G.C. SHALL COORDINATE ALL SUB CONTRACTORS AND ENSURE A COMPLETE FULLY CODE COMPLIANT AND PROFESSIONALLY FINISHED TENANT SPACE.

ISSUED / REVISIONS:

STATE OF NEW YORK ERIC ENGELL LICENSED PROFESSIONAL ENGINEER 081398
10/30/2025

EMR ENGINEERING AND DESIGN PLLC
PO Box 213 (Kelling) Phone (606)-364-2886
4236 HWY 3650 Fax (606)-364-5100
Annville, KY 40402 E-Mail: eric@emrengineers.com
FIRM 23179 Web Address: emrengineers.com

ONE! ARCHITECTURE
8686 N. Central Ave. Suite 166
Phoenix, Arizona 85020
Phone: 602.266.2712
Fax: 602.266.1688
www.ONEarchitecture.us
Architect: Dustin Curtis

RIKO'S THIN CRUST PIZZA
124 CHATSWORTH AVE
LARCHMONT, NEW YORK 10538

CHECKED BY:	Staff
DRAWN BY:	Staff
DATE:	OCTOBER 30, 2025
SCALE:	PER PLAN
PROJECT No.:	RP 2601

SHEET TITLE
HVA/C DETAILS

SHEET No.
M3.02

EXHAUST FAN INFORMATION – JOB#7232822

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
EF-1	DISH EXH	1	DU33HFA	CAPTIVEAIRE	525	0.500	1188	TEAO-ECM	0.333	0.1030	1	115	4.3	260 FPM	71	9.9

FOR QUESTIONS, CALL THE
Long Island Office
REGION 43
PHONE: (516) 513 – 5398
EMAIL: reg43@captiveaire.com

HOOD INFORMATION – JOB#7232822

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S) WIDTH	LENG	HEIGHT	DIA	CFM	VEL	SP	HOOD CONSTRUCTION	HOOD CONFIG END TO END	HOOD CONFIG ROW
1	Dish	4224 VHB–G	CAPTIVEAIRE	3' 6"	700 DEG	II	N/A	150	525			4"	10"	525	963	–0.069"	430 SS 100%	ALONE	ALONE

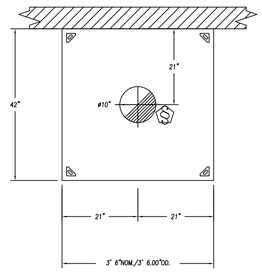
HOOD INFORMATION

HOOD NO	TAG	FILTER(S) TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	LIGHT(S) QTY	TYPE	WIRE GUARD	LOCATION	SIZE	UTILITY CABINET(S) FIRE SYSTEM TYPE	SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY	FIRE SYSTEM PIPING	HOOD HANGING WEIGHT
1	Dish						0									NO	161 LBS

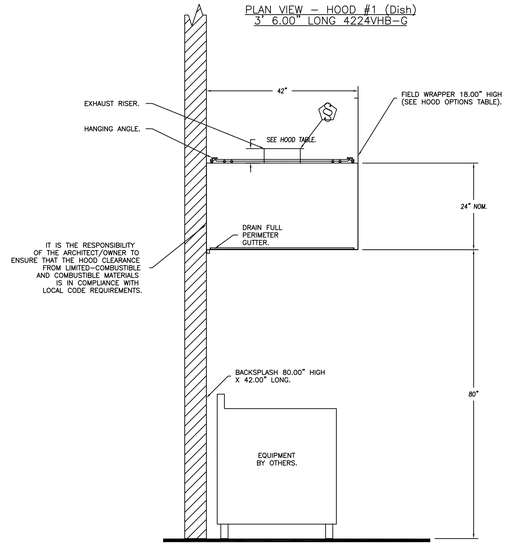
HOOD OPTIONS

HOOD NO	TAG	OPTION
1	Dish	FIELD WRAPPER 18.00" HIGH FRONT, LEFT, RIGHT.
		BACKSPLASH 80.00" HIGH X 42.00" LONG 430 SS VERTICAL.

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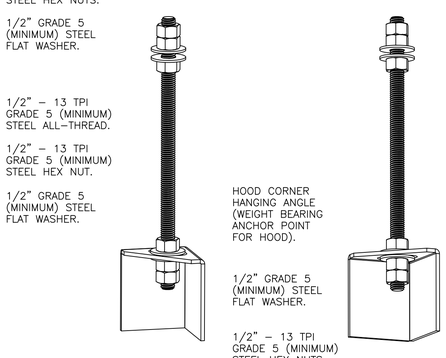


PLAN VIEW – HOOD #1 (Dish)
3' 6.00" LONG 4224VHB–G



SECTION VIEW – MODEL 4224VHB–G
HOOD – #1 (Dish)

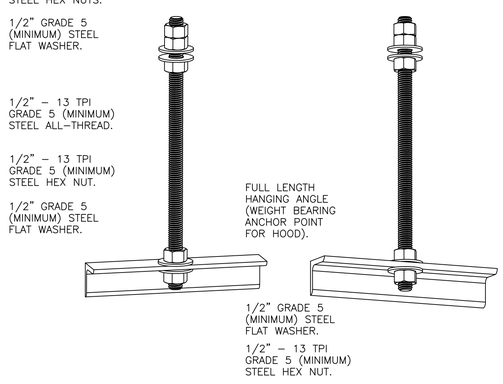
HOOD CORNER
HANGING ANGLE
(HARDWARE BY INSTALLER)



ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" – 13 TPI GRADE 5 (MINIMUM) ALL–THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" – 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT–LBS.

FULL LENGTH
HANGING ANGLE
(HARDWARE BY INSTALLER)



ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" – 13 TPI GRADE 5 (MINIMUM) ALL–THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" – 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION ABOVE CEILING ANCHORS. SINGLE HEX NUT BENEATH HANGING ANGLE IS ACCEPTABLE FOR FULL LENGTH HANGING ANGLES. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT–LBS.

SYSTEM DESIGN VERIFICATION (SDV)

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

ANY FIELD RELATED DISCREPANCIES THAT ARE DISCOVERED DURING THE SDV WILL BE BROUGHT TO THE ATTENTION OF THE GENERAL CONTRACTOR AND CORRESPONDING TRADES ON SITE. THESE ISSUES WILL BE DOCUMENTED AND FORWARDED TO THE APPROPRIATE SALES OFFICE. IF CAS SERVICE HAS TO RESOLVE A DISCREPANCY THAT IS A FIELD ISSUE, THE GENERAL CONTRACTOR WILL BE NOTIFIED AND BILLED FOR THE WORK. SHOULD A RETURN TRIP BE REQUIRED DUE TO ANY FIELD RELATED DISCREPANCY THAT CANNOT BE RESOLVED DURING THE SDV, THERE WILL BE ADDITIONAL TRIP CHARGES.

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

CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BID AND REPORT ANY DISCREPANCIES BACK TO OWNER. G.C. SHALL COORDINATE ALL SUB CONTRACTORS AND ENSURE A COMPLETE FULLY CODE COMPLIANT AND PROFESSIONALLY FINISHED TENANT SPACE.

ISSUED / REVISIONS:

STATE OF NEW YORK · ERIC ENGELL · LICENSED PROFESSIONAL ENGINEER · 081398 · 10/30/2025

ENGINEERING AND DESIGN PLLC
PO Box 213 (Mailing)
4236 HWY 3630
Annville, KY 40402
FIRM 23179
Phone (606)-364-2886
Fax (606)-364-5100
E-Mail: eric@emrengineers.com
Web Address: emrengineers.com

ONE! ARCHITECTURE
8686 N. Central Ave. Suite 166
Phoenix, Arizona 85020
Phone: 602.266.2712
Fax: 602.266.1688
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RIKO'S THIN CRUST PIZZA
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LARCHMONT, NEW YORK 10538

CHECKED BY:	Staff
DRAWN BY:	Staff
DATE:	OCTOBER 30, 2025
SCALE:	PER PLAN
PROJECT No.:	RP 2601

SHEET TITLE
EXHAUST HOOD DETAILS

SHEET No.
M3.03

EXHAUST FAN INFORMATION – JOB#7232822

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
EF-2	PIZZA EXH	1	DU85HFA	CAPTIVEAIRE	1000	1.750	1439	TEAO-ECM	1.000	0.5360	1	115	11.6	301 FPM	94	12.9

DOAS/RTU FAN SCHEDULE – JOB#7232822

FAN INFORMATION										ELECTRICAL INFORMATION					COOLING INFORMATION											REHEAT INFORMATION					GAS HEAT INFORMATION						A2L MINIMUM ROOM VOLUME			NOTES
															OUTSIDE AIR		MIXED AIR		LEAVING AIR			CAPACITY				DISCHARGE		CAPACITY												
FAN UNIT NO	TAG	QTY	DOAS/RTU MODEL #	MANUFACTURER	BLOWER	RETURN AIR CFM	MAX OUTSIDE AIR CFM	TOTAL CFM	WEIGHT (LBS)	ESP	HP	PHASE	VOLT	MCA	MOCP	DB	WB	DB	WB	DB	WB	DP	TOTAL	SENS.	IEER	ISMRE	DB	WB	DESIRED	MAX	MOISTURE REMOVAL RATE	GAS TYPE	INPUT BTUs	OUTPUT BTUs	TEMP RISE	REQUIRED INPUT GAS PRESSURE	ROOM AREA (FT2)	AIRFLOW (CFM)	HEIGHT (FT)	
3		1	CAS-HVAC1-I.150-15-10T	CAPTIVEAIRE	15P-1	0	1500	1500	1466	0.500	1.00	3	208	51.6A	60A	86.0°F	72.0°F	86.0°F	72.0°F	46.8°F	46.4°F	46.1°F	115.5 MBH	63.9 MBH	13.8	5.9	70.0°F	60.0°F	39.3 MBH	71.9 MBH	45.4 LBS/HR	NATURAL	137662	111506	62°F	7 IN. W.C. – 14 IN. W.C.	279	502	7.2	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15

NOTES:
1. INVERTER SCROLL COMPRESSOR WITH INTEGRATED OIL SENSOR. DIGITAL OR STAGED SCROLL NOT AN APPROVED EQUAL
2. DIRECT DRIVE PLENUM BLOWER. BELT DRIVEN BLOWERS ARE NOT ACCEPTABLE
3. INTEGRATED MONITORING VIA CELLULAR CONNECTION BY MANUFACTURER
4. REFRIGERATION PRESSURE MONITORING ON HIGH AND LOW PRESSURE SIDE OF SYSTEM INCLUDED THROUGH DIGITAL INTERFACE
5. EC MOTOR CONDENSING FANS
6. ELECTRONIC EXPANSION VALVE. TXV NOT ACCEPTABLE
7. SUCTION LINE ACCUMULATOR
8. FACTORY COMMISSIONING WITH 5 YEAR PARTS WARRANTY, 25 YEAR WARRANTY ON STAINLESS STEEL HEAT EXCHANGER
9. AVERAGING INTAKE, EVAP AND DISCHARGE TEMPERATURE SENSORS (DISCHARGE SENSOR TO BE FACTORY MOUNTED WITHIN UNIT)
10. 81% EFFICIENT FURNACE, WITH MODULATING INDUCER TO MAINTAIN CONSTANT COMBUSTION EFFICIENCY ACROSS FIRING RANGE. 6:1 TURNDOWN WITH NG AND 5:1 TURNDOWN WITH LP
11. SUPPLY CFM MONITORING INTEGRAL TO UNIT WITH CFM MEASUREMENT INCLUDED THROUGH DIGITAL INTERFACE
12. FULLY MODULATING HOT GAS REHEAT
13. 1" EXTERIOR DUAL-WALL CONSTRUCTION W/ R-4.3 INSULATION-MINIMUM 24GA EXTERIOR W/ 18GA BASE
14. DOWN DISCHARGE/DOWN RETURN
15. MINIMUM ROOM AREA ASSUMED 7.2' SUPPLY DIFFUSER HEIGHT AND IS CALCULATED PER UL60335-2-40 4TH ED. VALUES BASED ON FACTORY CHARGE. ACTUAL SITE CHARGE MAY DIFFER.

FAN OPTIONS

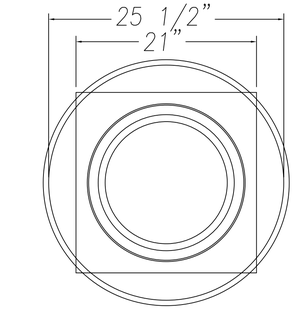
FAN UNIT NO	TAG	QTY	DESCRIPTION
1	DISH EXH	1	GREASE BOX
		1	FAN BASE CERAMIC SEAL – DU/DR30/33HFA – INSTALLED AT PLANT – FOR GREASE DUCTS
		1	ECM WIRING PACKAGE – EXHAUST – MANUAL OR 0-10VDC REFERENCE SPEED CONTROL –MSC– (TELCO), CCW ROTATION
		1	2 YEAR PARTS WARRANTY
2	PIZZA EXH	1	GREASE BOX
		1	FAN BASE CERAMIC SEAL – DU/DR85HFA – INSTALLED AT PLANT – FOR GREASE DUCTS
		1	ECM WIRING PACKAGE – EXHAUST – MANUAL OR 0-10VDC REFERENCE SPEED CONTROL –MSC– (TELCO), CCW ROTATION
		1	2 YEAR PARTS WARRANTY
3		1	INLET PRESSURE GAUGE, 0-35"
		1	MANIFOLD PRESSURE GAUGE, 0 TO 10" WC, 1 FURNACE
		1	SHIP LOOSE GAS STRAINER 3/4"
		1	SINGLE POINT ELECTRICAL CONNECTION FOR RTU. 750VA TRANSFORMER USED. IF A NON-DCV PREWIRE CONTROLS THIS UNIT, THE #28, #47, "MA", OR "E2" PREWIRE OPTION MUST BE SELECTED. DOES NOT PROVIDE SUPPLY STARTER IN PREWIRE
		1	CASLINK BUILDING MONITORING SYSTEM – INTERNET OR CELLULAR CONNECTION REQUIRED
		1	RTU BLOWER DOOR SWITCH
		1	2" MERV 13 FILTERS FOR RTU1 (QTY. 4)
		1	2" MERV 8 FILTERS FOR RTU1 (QTY. 4)
		1	OVERHEAT STAT
		1	TOTAL CFM MONITORING
		1	VFD FACTORY MOUNTED AND WIRED IN RTU COMMERCIAL CONTROL VESTIBULE
		1	RTU1 DOWN DISCHARGE
		1	10 TON SIZE 1 MODULATING COOLING OPTION, 208/230V. R454B REFRIGERANT, VARIABLE SPEED COMPRESSOR, ECM CONDENSING FANS
		1	R454B LEAK DETECTOR OPTION FOR RTUS
		1	OCCUPIED SCHEDULING
		1	INTAKE FIRESTAT SET TO 135°F
		1	FREEZESTAT
		1	DISCHARGE FIRESTAT SET TO 240°F
		1	10 TON SIZE 1 MODULATING REHEAT OPTION – SPACE DEWPOINT CONTROL – R454B
		1	RTU1 CURB DUCT HANGER
		1	CLOGGED FILTER SWITCH – NOTIFICATION ON HMI
		1	RTU1 CONVENIENCE OUTLET (GFCI), 15 AMP – REQUIRES SEPARATE 120V CONNECTION. INCLUDES RECEPTACLE, COVER AND J BOX
		1	COMMERCIAL SMOKE DETECTOR/ALARM INTERLOCK – ALARM SUPPLIED BY OTHERS
		1	VAV PACKAGE W/ MANUAL/DDC CONTROL (571 VFD INCLUDED)
		1	REMOTE TEMPERATURE AND HUMIDITY SPACE SENSOR
		1	RTU INTAKE/RETURN DAMPER – MANUAL CONTROL VIA HMI
		1	RTU1 DOWN RETURN
		1	5 YEAR ENTIRE UNIT PARTS WARRANTY, 10 YEAR ENTIRE UNIT PARTS WARRANTY WITH REMOTE MONITORING AND CAPTIVEAIRE SERVICE CONTRACT, 25 YEAR STAINLESS STEEL FURNACE PARTS WARRANTY (SEE ADDITIONAL DETAILS)
		1	EXTERIOR GAS CONNECTION PROVIDED BY FACTORY WITH QUICK SEAL AND ANTI-ROTATION BRACKET

FAN ACCESSORIES

FAN UNIT NO	TAG	EXHAUST			SUPPLY			
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1	DISH EXH	YES						
2	PIZZA EXH	YES						

CURB ASSEMBLIES

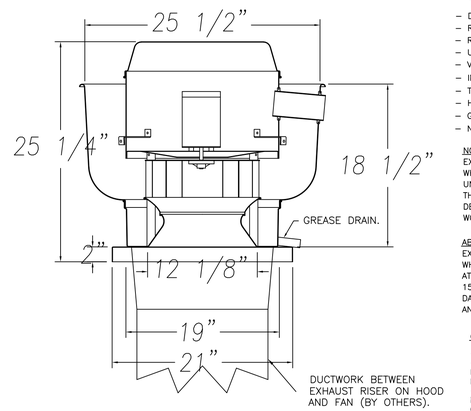
NO	ON FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	DISH EXH	27 LBS	CURB	19.500"W X 19.500"L X 20.000"H VENTED.
2	# 2	PIZZA EXH	36 LBS	CURB	23.000"W X 23.000"L X 20.000"H VENTED HINGED.
3	# 3		103 LBS	CURB	41.000"W X 71.000"L X 20.000"H INSULATED.



TOP VIEW

FAN #2 DU85HFA – EXHAUST FAN (PIZZA EXH)

FAN #1 DU33HFA – EXHAUST FAN (DISH EXH)

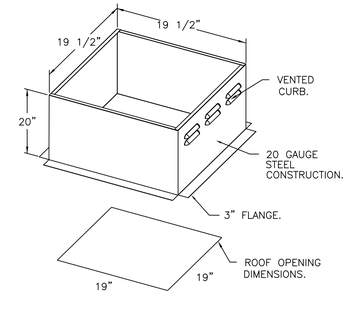


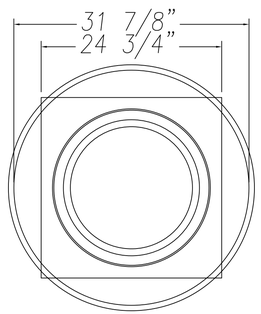
FEATURES:
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

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

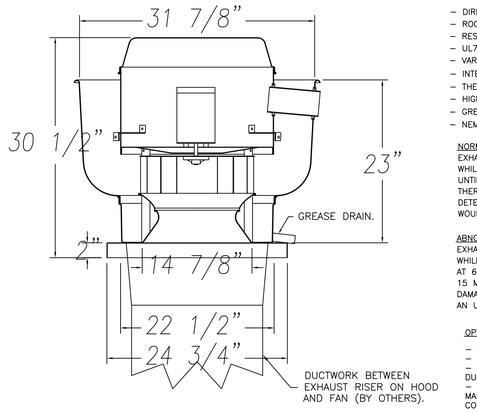
ABNORMAL FLARE-UP TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS
- GREASE BOX.
- FAN BASE CERAMIC SEAL – DU/DR30/33HFA – INSTALLED AT PLANT – FOR GREASE DUCTS.
- ECM WIRING PACKAGE – EXHAUST – MANUAL OR 0-10VDC REFERENCE SPEED CONTROL –MSC– (TELCO), CCW ROTATION.
- 2 YEAR PARTS WARRANTY.





TOP VIEW

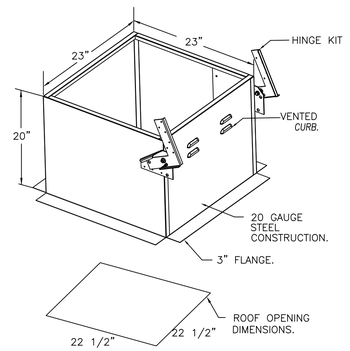


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- 2 YEAR PARTS WARRANTY.



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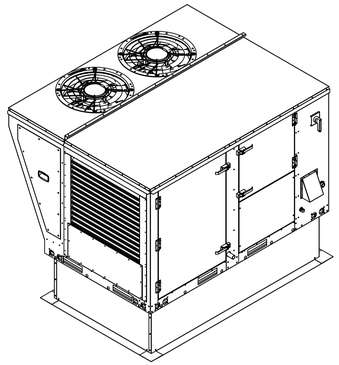
SHEET TITLE
EXHAUST HOOD DETAILS

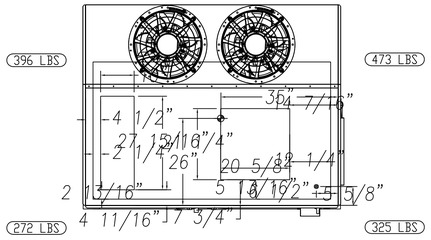
SHEET No.
M3.04

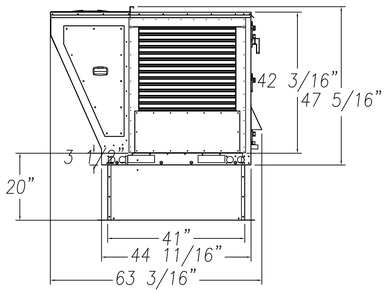
FAN #3 CAS-HVAC1-I.150-15-10T - HEATER

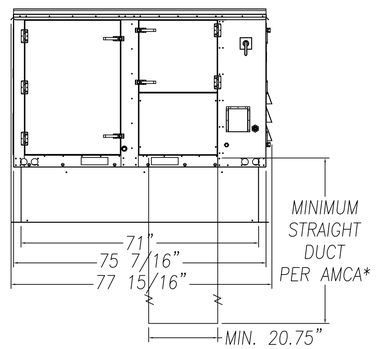
NOTES:
1. DO NOT OBSTRUCT OUTSIDE AIR INLET, OUTSIDE AIR COIL OR OUTSIDE AIR FAN.
2. ( ) DENOTES CORNER WEIGHT.
3. ROOF OPENING MUST BE 2" SMALLER THAN CURB DIMENSIONS IN BOTH DIRECTIONS.
4. CONNECTION FROM BREAKER TO UNITS SAFETY DISCONNECT SWITCH TO BE COPPER WIRE ONLY.
5. EXTERIOR GAS CONNECTION PROVIDED BY FACTORY WITH QUICK SEAL AND ANTI-ROTATION BRACKET.

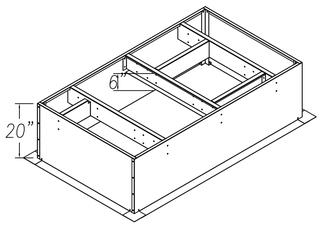
*NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRASTICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT. SUGGESTED STRAIGHT DUCT SIZE IS 20.75" x 21.5".

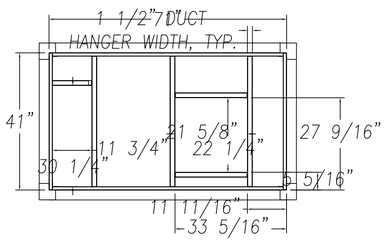


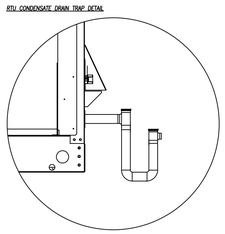


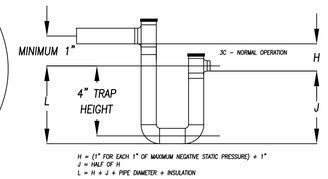




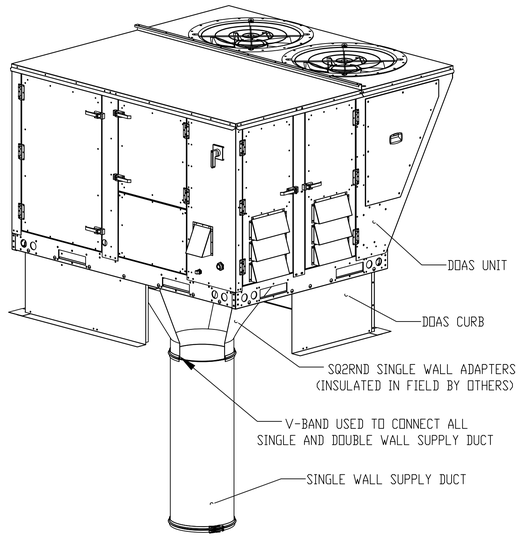








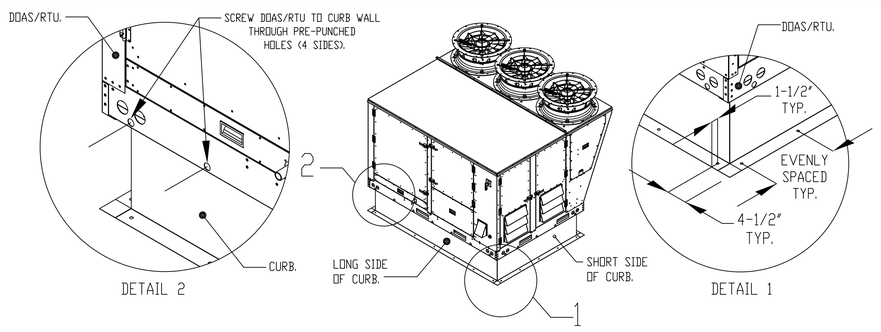
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TYPICAL DDAS/RTU ROOF MOUNTING INSTALLATION INSTRUCTIONS

1. SECURE THE CURB TO THE ROOF FRAMING MEMBERS BY DRILLING 1/4" PILOT HOLES IN THE CURB FLANGES AT LOCATIONS SHOWN IN THE DIAGRAM BELOW. USING 3/8" X 2" ZINC PLATED STEEL LAG BOLTS, AND ZINC PLATED WASHERS, SCREW THROUGH THE CURB FLANGES AND INTO THE ROOF FRAMING MEMBERS. A MINIMUM OF (5) LAG BOLTS ON EACH SHORT SIDE, AND (7) LAG BOLTS ON EACH LONG SIDE IS REQUIRED.

2. SECURE THE UNIT BASE TO THE SIDE WALLS OF THE CURB USING (24) 1/4"-14 X 2" SELF-DRILLING, STEEL ZINC PLATED SCREWS. PRE-PUNCHED HOLES HAVE BEEN PROVIDED FOR EACH SCREW LOCATION.



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PROJECT No.:	RP 2601

SHEET TITLE
EXHAUST HOOD DETAILS

SHEET No.
M3.05

COMcheck-Web™

Compliance Certificate

Project Information

Energy Code:	2020 New York State Energy Conservation Construction Code
Project Title:	RIKO'S PIZZA
Location:	Larchmont, New York
Climate Zone:	4a
Project Type:	Alteration
Project No:	S27723
All Electric:	false
Is Renewable:	false
Has Battery:	false
Has Charger:	false
Has Heat Pump:	false

Construction Site:
124 CHATHSWORTH AVENUE
LARCHMONT , New York 10538

Owner/Agent:

Designer/Contractor:

Notes:
EXISTING BANK REMODELLED INTO PIZZA RESTAURANT.

Building Area

Description	Floor Area
1-Dining: Bar Lounge/Leisure (Dining: Bar Lounge/Leisure) : Nonresidential	0
2-Dining: Bar Lounge/Leisure 1 (Dining: Bar Lounge/Leisure) : Nonresidential	0

Mechanical Compliance Certificate

Project Information

Energy Code:	2020 New York State Energy Conservation Construction Code
Project Title:	RIKO'S PIZZA
Location:	Larchmont, New York
Climate Zone:	4a
Project Type:	Alteration

Construction Site:
124 CHATHSWORTH AVENUE
LARCHMONT , New York 10538

Owner/Agent:

Designer/Contractor:

Mechanical Systems List

Quantity	Component	Description
HVAC Systems		
1	RTU-1 RTU-2 AND RTU-3 (Single Zone):	Heating: 3 each - Central Furnace (RTU-1 RTU-2 AND RTU-3), Gas, Capacity = 150 kBtu/h Proposed Efficiency = 80.00% Et, Required Efficiency: 80.00 % Et or 80% AFUE Cooling: 3 each - Single Package DX Unit (RTU-1 RTU-2 AND RTU-3), Capacity = 59 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 14.00 SEER, Required Efficiency = 14.00 SEER Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00 Fan System: Unspecified

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical design 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 2020 New York State Energy Conservation Construction Code requirements in COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title **Signature** **Date**

Inspection Checklist

Energy Code: 2020 New York State Energy Conservation Construction Code

Requirements: 97% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Plan Review

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR2]*	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical systems and equipment and document where exceptions to the standard are claimed. Load calculations per acceptable engineering standards and handbooks.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** 3.01

Additional Comments/Assumptions:

1	High impact (Tier 1)	2	Medium impact (Tier 2)	3	Low impact (Tier 3)

Footing / Foundation Inspection

Section # & Req.ID	Footing / Foundation Inspection	Complies?	Comments/Assumptions
C403.12.2, C403.12.3 [FO9]*	Snow/ice melting system and freeze protection systems have sensors and controls configured to limit service for pavement temperature and outdoor temperature. future connection to controls.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.

Additional Comments/Assumptions:

1	High impact (Tier 1)	2	Medium impact (Tier 2)	3	Low impact (Tier 3)

48FC Model Number Nomenclature

Position:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Example:	4	8	F	C	F	A	0	6	A	3	A	5	-	0	B	0	A	0

Carrier

- **Unit Heat Type** — 48 = Gas Heat Packaged Rooftop
- **Model Series — WeatherMaker®** — FC = 14.0 SEER Standard Efficiency, sizes 04-06; 13.4 SEER2 Standard Efficiency, sizes 04-06; 15.0 IEER Standard Efficiency, size 07
- **Heat Size** — F = High Gas Heat
- **Refrig. Systems Options** — A = Std One Stage Cooling Models[1]
- **Cooling Tons** — 06 = 5 tons
- **Sensor Options** — A = None
- **Indoor Fan Options** — 3 = Direct Drive — EcoBlue — High Static
- **Coil Options (Outdoor - Indoor — Hail Guard)** — A = Al/Cu - Al/Cu
- **Voltage** — 1 = 575-3-60; 3 = 208/230-1-60[1, 5]; 5 = 208/230-3-60
- **Design Revision** — - = Factory Design Revision
- **Base Unit Controls** — 0 = Electromechanical Controls (allows for use of field-installed economizers)
- **Intake / Exhaust Options** — A = None; B = Temperature Economizer with Barometric Relief
- **Service Options** — 0 = None
- **Electrical Options** — A = None
- **Packaging & Seismic Compliance** — 0 = Standard

NOTE(S):
a. Rated in accordance with AHRI Standards 210/240 (04-06 size).
b. Rating are based on:
Cooling Standard: 80°F (27°C) db, 67°F (19°C) wb indoor air temperature and 95°F (35°C) db outdoor air temperature.
c. Units comply with ASHRAE 90.1-2016 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers) and DOE-2023 (Department of Energy) Energy Standard for minimum SEER2 and EER2 requirements.
d. 48FC units comply with US Energy Policy Act (2005). To evaluate code compliance requirements, refer to state and local codes.

48FC*A/M 3-Phase AHRI Ratings[a,b,c,d]

48FC UNITS	VOLTAGE	COOLING STAGES	NOMINAL CAPACITY (tons)	NET COOLING CAPACITY (MBH)	TOTAL POWER (kW)	SEER	EER
48FC*A06	1, 5, 6	1	5	58.5	5.3	14.0	11.0

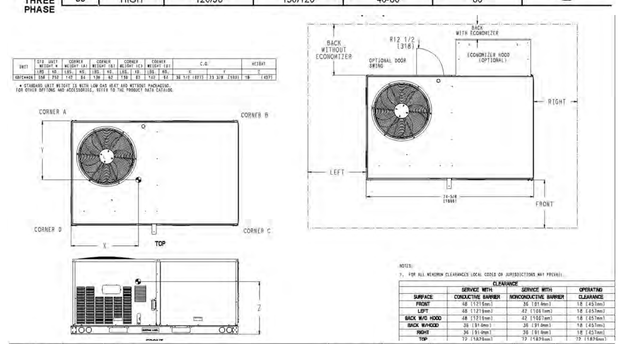
LEGEND
AHRI — Air-Conditioning, Heating and Refrigeration Institute
EER — Energy Efficiency Ratio
IEER — Integrated Energy Efficiency Ratio
MBH — Btuh in thousands
SEER — Seasonal Energy Efficiency Ratio

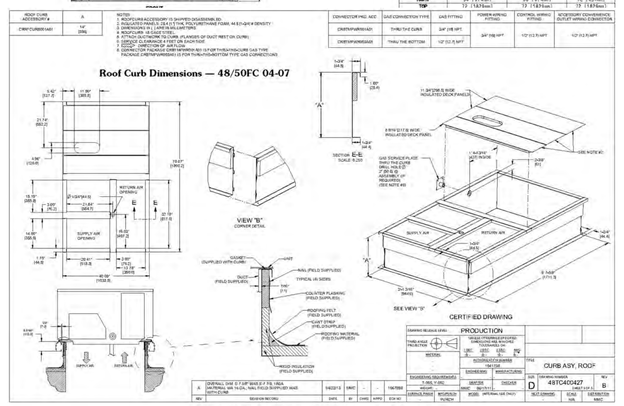
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RTU-1, 2 AND 3

Heat Rating Table — Natural Gas and Propane

48FC UNIT		GAS HEAT	AL/SS HEAT EXCHANGER		TEMPERATURE RISE (°F)	THERMAL EFFICIENCY (%)	AFUE EFFICIENCY (%)
			Input/Output Stage 1 (MBH)	Input/Output Stage 2 (MBH)			
THREE PHASE	06	HIGH	120/96	150/120	40-80	80	—





48FC**04-07 MCA MOCP Electrical Data*

UNIT SIZE	NOM. V-Ph-Hz	IFM TYPE	NO CONVENIENCE OUTLET OR UNPOWERED CONVENIENCE OUTLET						
			No Power Exhaust			With Power Exhaust (powered from unit)			
			MCA	Fuse or HACR Breaker	Disconnect Size FLA	Disconnect Size LRA	MCA	Fuse or HACR Breaker	Disconnect Size FLA	Disconnect Size LRA
48FC*A06	208/230-3-60	HIGH	28	40	28	123	30	45	30	125

CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BID AND REPORT ANY DISCREPANCIES BACK TO OWNER. G.C. SHALL COORDINATE ALL SUB CONTRACTORS AND ENSURE A COMPLETE FULLY CODE COMPLIANT AND PROFESSIONALLY FINISHED TENANT SPACE.

ISSUED / REVISIONS:

STATE OF NEW YORK — ERIC ENGELMAN — LICENSED PROFESSIONAL ENGINEER — 10/30/2025 — 081395

ENGINEERING AND DESIGN PLLC
PO Box 213 (Mailing)
4236 HWY 3630
Annville, KY 40402
FIRM 23179
Phone (606)-364-2886
Fax (606)-364-5100
E-Mail: eric@emrengineers.com
Web Address: emrengineers.com

ONE! ARCHITECTURE
8686 N. Central Ave. Suite 166
Phoenix, Arizona 85020
Phone: 602.266.2712
Fax: 602.266.1688
www.ONEarchitecture.us
Architect: Dustin Curtis

RIKO'S THIN CRUST PIZZA
124 CHATSWORTH AVE
LARCHMONT, NEW YORK 10538

CHECKED BY:	Staff
DRAWN BY:	Staff
DATE:	OCTOBER 30, 2025
SCALE:	PER PLAN
PROJECT No.:	RP 2601

SHEET TITLE
RTU UNIT SELECTION

SHEET No.
M3.06

Plumbing Rough-In Inspection

Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.5, C404.5.1, C404.5.2 [PL6][1]	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** 4.03
C404.6.3 [PL7][1]	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** 4.01
C404.7 [PL8][1]	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** 4.01

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Mechanical Rough-In Inspection

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C402.2.6 [ME41][1]	Thermally ineffective panel surfaces of sensible heating panels have insulation >= R-3.5.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
C403.5.5 [ME103][1]	Fault detection and diagnostics installed with air-cooled unitary DX units having economizers.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C403.2.2 [ME59][1]	Natural or mechanical ventilation is provided in accordance with International Mechanical Code Chapter 4. Mechanical ventilation has capability to reduce outdoor air supply to minimum per IMC Chapter 4.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** 3.01
C403.7.1 [ME59][1]	Demand control ventilation provided for spaces >500 ft2 and >25 people/1000 ft2 occupant density and served by systems with air side economizer, auto-modulating outside air damper control, or design airflow >3,000 cfm.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** 3.01
C403.7.2 [ME115][1]	Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
C403.7.6 [ME141][1]	HVAC systems serving guestrooms in Group R-1 buildings with > 50 guestrooms: Each guestroom is provided with controls that automatically manage temperature setpoint and ventilation (see sections C403.7.6.1 and C403.7.6.2).	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
C403.7.4 [ME57][1]	Exhaust air energy recovery on systems meeting Table C403.7.4(1) and C403.7.4(2).	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
C403.7.5 [ME116][1]	Kitchen exhaust systems comply with replacement air and conditioned supply air limitations, and satisfy hood rating requirements and maximum exhaust rate criteria.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** 3.01
C403.11.1, C403.11.2 [ME60][1]	HVAC ducts and plenums insulated in accordance with C403.11.1 and constructed in accordance with C403.11.2, verification may need to occur during Foundation Inspection.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** 3.01
C403.5, C403.5.1, C403.5.2 [ME62][1]	Air economizers provided where required, meet the requirements for design capacity, control signal, ventilation controls, high-limit shut-off, integrated economizer control, and provide a means to relieve excess outside air during operation.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** 3.06
C403.5.3.3 [ME124][1]	Air economizers automatically reduce outdoor air intake to the design minimum outdoor air quantity when outdoor air intake will not reduce cooling energy usage. See Table C403.5.3.3 for applicable device types and climate zones.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** 3.06

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.5.3.4 [ME125][1]	System capable of relieving excess outdoor air during air economizer operation to prevent overpressurizing the building. The relief air outlet located to avoid recirculation into the building.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** 3.06
C403.5.3.5 [ME126][1]	Return, exhaust/relief and outdoor air dampers used in economizers have motorized dampers that automatically shut when not in use and meet maximum leakage rates. Reference section C403.7.7 for details.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** 3.01
C403.4.1.4 [ME63][1]	Heating for vestibules and air curtains with integral heating include automatic controls that shut off the heating system when outdoor air temperatures > 45F. Vestibule heating and cooling systems controlled by a thermostat in the vestibule with heating setpoint <= 60F and cooling setpoint >= 80F.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
C403.8.1 [ME65][1]	HVAC fan systems at design conditions do not exceed allowable fan system motor nameplate hp or fan system bhp.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply. *See the Mechanical Systems list for values*
C403.3.3 [ME55][1]	Hot gas bypass limited to: <=240 kBtu/h – 50% >240 kBtu/h – 25%	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** 3.01 3.06
C408.2.2.1 [ME53][1]	Air outlets and zone terminal devices have means for air balancing.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** 3.01
C403.5, C403.5.1, C403.5.2 [ME123][1]	Refrigerated display cases, walk-in coolers or walk-in freezers served by remote compressors and remote condensers not located in a condensing unit, have fan-powered condensers that comply with Sections C403.5.1 and refrigeration compressor systems that comply with C403.5.2.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
C403.8.3 [ME117][1]	Fans have efficiency grade (FEG) >= 67. The total efficiency of the fan at the design point of operation <= 15% of maximum total efficiency of the fan.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** 3.06
C403.12.1 [ME71][1]	Systems that heat outside the building envelope are radiant heat systems controlled by an occupancy sensing device or timer switch.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Final Inspection

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C403.4.1.2 [FI38][1]	Thermostatic controls have a 5 °F deadband.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** 3.01
C403.2.4.1.3 [FI20][1]	Temperature controls have setpoint overlap restrictions.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** 3.01
C403.2.4.2 [FI39][1]	Each zone equipped with setback controls using automatic time clock or programmable control system.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** 3.01
C403.2.4.2.1, C403.2.4.2.2 [FI40][1]	Automatic Controls: Setback to 55°F (heat) and 85°F (cool); 7-day clock, 2-hour occupant override, 10-hour backup	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** 3.01
C303.3, C408.2.5.3 [FI8][1]	Furnished O&M manuals for HVAC systems within 90 days of system acceptance.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C408.2.1 [FI28][1]	Commissioning plan developed by registered design professional or approved agency.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** BY MECHANICAL CONTRACTOR
C408.2.3.1 [FI31][1]	HVAC equipment has been tested to ensure proper operation.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** 3.01
C408.2.3.2 [FI10][1]	HVAC control systems have been tested to ensure proper operation, calibration and adjustment of controls.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C408.2.3.3 [FI32][1]	Economizers have been tested to ensure proper operation.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** 3.06
C408.2.4 [FI29][1]	Preliminary commissioning report completed and certified by registered design professional or approved agency.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** BY MECHANICAL CONTRACTOR
C408.2.5.1 [FI77][1]	Furnished HVAC as-built drawings submitted within 90 days of system acceptance.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C408.2.5.3 [FI43][1]	An air and/or hydronic system balancing report is provided for HVAC systems.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** 3.01
C408.2.5.4 [FI30][1]	Final commissioning report due to building owner within 90 days of receipt of certificate of occupancy.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** BY MECHANICAL CONTRACTOR
C403.2.2 [FI27][1]	HVAC systems and equipment capacity does not exceed calculated loads.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** 3.01
C403.2.4.1 [FI47][1]	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** 3.01

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

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ISSUED / REVISIONS:

STATE OF NEW YORK · ERIC ENGELL · LICENSED PROFESSIONAL ENGINEER · 081395 · 10/30/2025

ENGINEERING AND DESIGN PLLC
PO Box 213 (Mailing)
4236 HWY 36S
Annville, KY 40402
Phone (606)-364-2886
Fax (606)-364-5100
E-Mail: eric@emrengineers.com
Web Address: emrengineers.com
FIRM 23179

ONE!
ARCHITECTURE
8686 N. Central Ave. Suite 166
Phoenix, Arizona 85020
Phone: 602.266.2712
Fax: 602.266.1688
www.ONEarchitecture.us
Architect: Dustin Curtis

RIKO'S THIN CRUST PIZZA
124 CHATSWORTH AVE
LARCHMONT, NEW YORK 10538

CHECKED BY: Staff
DRAWN BY: Staff
DATE: OCTOBER 30, 2025
SCALE: PER PLAN
PROJECT No.: RP 2601

SHEET TITLE
MECHANICAL ENERGY COMPLIANCE

SHEET No.
M3.07

PLUMBING EQUIPMENT SCHEDULE				DIRECT DRAIN		INDIRECT	HOT WATER		COLD WATER		GAS			
ITEM NO.	QTY	DESCRIPTION	SUPPLIER	SIZE	HEIGHT	SIZE	SIZE	AFF	SIZE	AFF	SIZE	MBTUH	AFF	PLUMBING REMARKS
1	1	CONVEYOR PIZZA OVEN, GAS, THREE DECK	BOELTER								3/4"	555.0	36"	GAS MANIFOLDED TO ITEM #1. 7" MIN W.C. – NAT GAS.
10	2		BOELTER	1 1/2"	18"		1/2"	22"	1/2"	22"				PC TO RUN WATER TO FAUCET, WASTE TO SINK AS REQ'D.
13	1	WORK TABLE W/ PREP SINK	BOELTER			3 1/2"	1/2"	22"	1/2"	22"				PC TO RUN WATER TO FAUCET, IW TO FS AS REQ'D.
15	1	SINK, 3 COMPARTMENT	BOELTER			3 1/2"								PC TO RUN IW TO FS AS REQ'D.
15.1	1	PRE-RINSE FAUCET W/ ADD-A-FAUCET	BOELTER				1/2"	22"	1/2"	22"				PC TO RUN WATER TO FAUCET AS REQUIRED
19	1	DISHMACHINE, HIGH-TEMP, VENTLESS	BOELTER			2"	1/2"	18"	1/2"	18"				SEE NOTES MD, ME, MF. PC TO RUN WATER TO DISHMACHINE / BOOSTER/ QUENCH DRAIN; IW TO FS AS REQ'D. PC TO PROVIDE AND INSTALL PRESSURE REDUCTION VALVE AS REQ'D. VERIFY REQ'S W/ LOCAL CODES.
20.1	1	SPRAY RINSE FAUCET	BOELTER				1/2"	22"	1/2"	22"				PC TO RUN WATER TO FAUCET AS REQ'D.
22	1	ICE MAKER	BOELTER			1/2"			3/8"	60"				PC TO RUN IW TO FS AS REQ'D. TO RECEIVE FILTERED WATER FROM FILTER #22.2
22.1	1	ICE BIN	BOELTER			3/4"								PC TO RUN IW TO FS AS REQ'D.
22.2	1	WATER FILTER	BOELTER						3/8"	72"				PC TO INTERCONNECT FILTER TO ICE MAKER #22
23	1	SODA SYSTEM – BAG IN A BOX	OTHERS						1/2"	72"				SEE DETAIL RI-1200, RI-1205 & RI-1210. SODA SLEEVE IS 6" IN DIAMETER RUN UNDER SLAB/OVER HEAD BY GC. COORDINATE WITH SODA VENDOR FOR EXACT ROUTING OF BEVERAGE LINES.
32.1	1	WALK-IN BEER COOLER EVAPORATOR COIL	BOELTER			3/4"								SERVED BY #32.4 – PC TO RUN IW TO FLOOR DRAIN, SLEEVE FOR REFRIGERATION LINES BY GC
32.2	1	WALK-IN COOLER EVAPORATOR COIL	BOELTER			3/4"								SERVED BY #32.3 – PC TO RUN IW TO FLOOR DRAIN, SLEEVE FOR REFRIGERATION LINES BY GC
32.3	1	WALK-IN COOLER CONDENSING UNIT	BOELTER											REFRIG. LINES TO ITEM #32.2, SEE NOTE MM & DETAIL SC-1050; VERIFY LOCATION WITH ARCH.
32.4	1	WALK-IN BEER COOLER CONDENSING UNIT	BOELTER											REFRIG. LINES TO ITEM #32.1, SEE NOTE MM & DETAIL SC-1050; VERIFY LOCATION WITH ARCH.
48	2	MOP SINK	BOELTER	2"	4"									PC TO STUB-UP DIRECT WASTE DRAIN
48.2	2	MOP SINK SERVICE FAUCET	BOELTER				1/2"	22"	1/2"	22"				PC TO RUN WATER TO FAUCET AS REQUIRED
B01	1	UNDERBAR HAND SINK	BOELTER	1 1/2"	18"		1/2"	22"	1/2"	22"				PC TO RUN WATER TO FAUCET, WASTE TO SINK AS REQ'D.
B02	3	UNDERBAR GLASS RACK	BOELTER			1"								PC TO RUN IW TO FS AS REQ'D.
B04	2	UNDERBAR ICE BIN	BOELTER			1"								PC TO RUN IW TO FS AS REQ'D.
B06	1	UNDERBAR GLASSWASHER, HIGH-TEMP	BOELTER			1"			1/2"	12"				SEE NOTES ME, MF & MO. PC TO PROVIDE HW (140 DEGREE MIN.), CW AND RUN IW TO FS AS REQ'D. CW FOR DRAIN TEMPERING KIT IF REQ'D. PC TO PROVIDE AND INSTALL PRESSURE REDUCTION VALVE AS REQ'D. VERIFY REQ'S W/ LOCAL CODES.
B11	2	UNDERBAR MIXOLOGY STATION	BOELTER			1"	1/2"	22"	1/2"	22"				PC TO RUN WATER TO FAUCET, IW TO FS AS REQ'D.

COORDINATE ALL EQUIPMENT WITH KITCHEN EQUIPMENT SUPPLIER FOR FINAL LOCATIONS. ENSURE FULLY CODE COMPLIANT ACCESSIBLE LOCATIONS.

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	WASTE	VENT	CW	HW	DESCRIPTION / REMARKS
UR	ACCESSIBLE URINAL	3"	3"	3/4"	--	KOHLER K-5244-ET. STEWARD URINAL 1.0 GPF, COLOR WHITE. SLOAN 1.0 GPF EXPOSED TOP SPUD URINAL AND AUTOMATIC SENSOR G2 8186.-1.0-GR VITREOUS CHINA. 3/4" INLET TOP SPUD OUTLET CONNECTION THREADED 3/4" NPT. COLOR CHROME. PROVIDE AND INSTALL ALL SUPPLEMENTAL COMPONENTS NECESSARY FOR COMPLETE, CODE COMPLIANT ACCESSIBLE INSTALL.
HWC	ACCESSIBLE WATER CLOSET	3"	3"	1/2"	--	KOHLER K-3999 "HIGHLINE COMFORT HEIGHT" 17" HIGH RIM, ELONGATED, FLOOR MOUNTED VITREOUS CHINA, PRESSURE ASSISTED FLUSH, 1.28 GPF. HANDLE SHALL BE INSTALLED ON WIDE SIDE PER ACCESSIBILITY REQUIREMENTS. OLSONITE #955S OPEN FRONT SEAT LESS COVER. JR SMITH 9230 BRONZE CLOSET RING ASSEMBLY, COLOR TO BE WHITE. ZURN Z8800CR 3/8" POLISHED CHROME ANGLE SUPPLY WITH STOP.
LAV	LAVATORY WALL HUNG	2"	1-1/2"	1/2"	1/2"	KOHLER SOHO NO. K-2084 SINGLE FAUCET HOLE, WALL HUNG VITREOUS CHINA, DRILLED FOR CONCEALED ARM CARRIER WITH FAUCET. SET COMPLETE WITH DELTA NO. 810DPA FAUCET, COLOR CHROME ELECTRONIC HARDWARE OPERATED DECK MOUNTED FAUCET TRIM. OFF-SET GRID STRAINER, BRASSCRAFT COMMERCIAL RIGID SUPPLIES, ANGLE STOPS AND CHROME PLATED 17 GA L.A. PATTERN CAST BRASS P-TRAP WITH SECURED ESCUTCHEN. P-TRAP AND HOT WATER SUPPLY SHALL BE WRAPPED FOR HANDICAP PROTECTION WITH TRAP CLEAR SLIM FIT. PROVIDE TMV SET TO 105° FOR HOT WATER CONNECTION. COLOR TO BE WHITE.
FD	FLOOR DRAIN	3"	2"	--	--	JOSAM 30003-A-55 CAST IRON DRAIN WITH SATIN NIKOLOY STRAINER, CAST IRON FLASHING COLLAR. INSTALL DEEP SEAL TRAP.
WCO	WALL CLEANOUT	PLAN	--	--	--	ZURN 1447. FURNISH W/POLISHED BRONZE, SQUARE ACCESS COVER AND FRAME.
FCO COG	FLOOR CLEANOUT CLEANOUT AT GRADE	PLAN	--	--	--	JOSAM 57000-22 FLOOR CLEANOUT, LEVELEZE COATED CAST IRON BODY WITH ADJUSTABLE HOUSING, SATIN NIKALOY TOP AND INSIDE CAULK CONNECTION.
TP	TRAP PRIMER	--	--	1/2"	--	PRECISION PLUMBING PRODUCTS TRAP PRIMER. BRONZE CONSTRUCTION WITH VACUUM PORTS. ADJUSTABLE WITH 1/2" COPPER TYPE L TO RECEPTOR.
WHA	WATER HAMMER ARRESTOR	--	--	PLAN	PLAN	J.R. SMITH SERIES HYDROTROL, STAINLESS STEEL CONSTRUCTION.
TMV	THERMOSTATIC MIXING VALVE	--	--	1/2"	1/2"	WATTS LEAD FREE LFUSC-B THERMOSTATIC MIXING VLAVE. BRASS. SET TO 109°F. INSTALL BELOW ALL HAND SINKS
MB	MOP BASIN	2"	2"	1/2"	1/2"	JOHN BOOS MODEL NO. PBMS2016-6-X, FAUCET KROWN 16-127 WITH VACUUM BREAKER, SUPPLIED BY OTHERS INSTALLED BY P.C.
WH	NATURAL GAS WATER HEATER	--	--	1-1/2"	1-1/2"	STATE MODEL SUF100 199NE(A) 199 MBH GAS. PROVIDE ALL HEAT TRAP FITTINGS, RISERS. PROVIDE AN ASME RATED TEMP. & PRESS RELIEF VALVE & WATTS 3/4" N36-M1 VACUUM RELIEF VALVE. PROVIDE AND INSTALL 3/4" HOT WATER PUMP / TIMER 120 VOLT RE-CIRCULATION SYSTEM. TACO 1/8 HP 6 GPM CAST IRON IN LINE, WET ROTOR HOT WATER CIRCULATOR PUMP OR EQUAL. POWER VENT PER MANUFACTURER.
FS	FLOOR SINK	3"	2"	--	--	ZURN Z-1170 12X12X6 BOTTOM OUTLET, PORCELAIN COATED CAST IRON BODY WITH TRAP PRIMER CONNECTION AND 1/2 SOLID COVER. NECK SIZE PER DRAIN LINE.

KITCHEN EQUIPMENT AS CALLED OUT BY NUMBER ON PLANS WILL BE SUPPLIED UNDER EQUIPMENT CONTRACT. P.C. SHALL SUPPLY AND INSTALL ALL NECESSARY COMPONENTS SUCH AS SHUT OFFS, BACKFLOW DEVICES/DRAINS AND ALL REQUIRED COMPONENTS FOR COMPLETE, OPERABLE AND CODE COMPLIANT INSTALLATION OF SUPPLIED EQUIPMENT. P.C. TO ACQUIRE FROM G.C. COPY OF EQUIPMENT SHEET FOR ALL EQUIPMENT AND CUT SHEET PACKAGE FOR ALL EQUIPMENT. COORDINATE WITH CUT SHEETS FOR ALL EQUIPMENT REQUIREMENTS. WHERE NECESSARY P.C. SHALL SUPPLY AND INSTALL ALL REQUIRED WATER FILTERS.

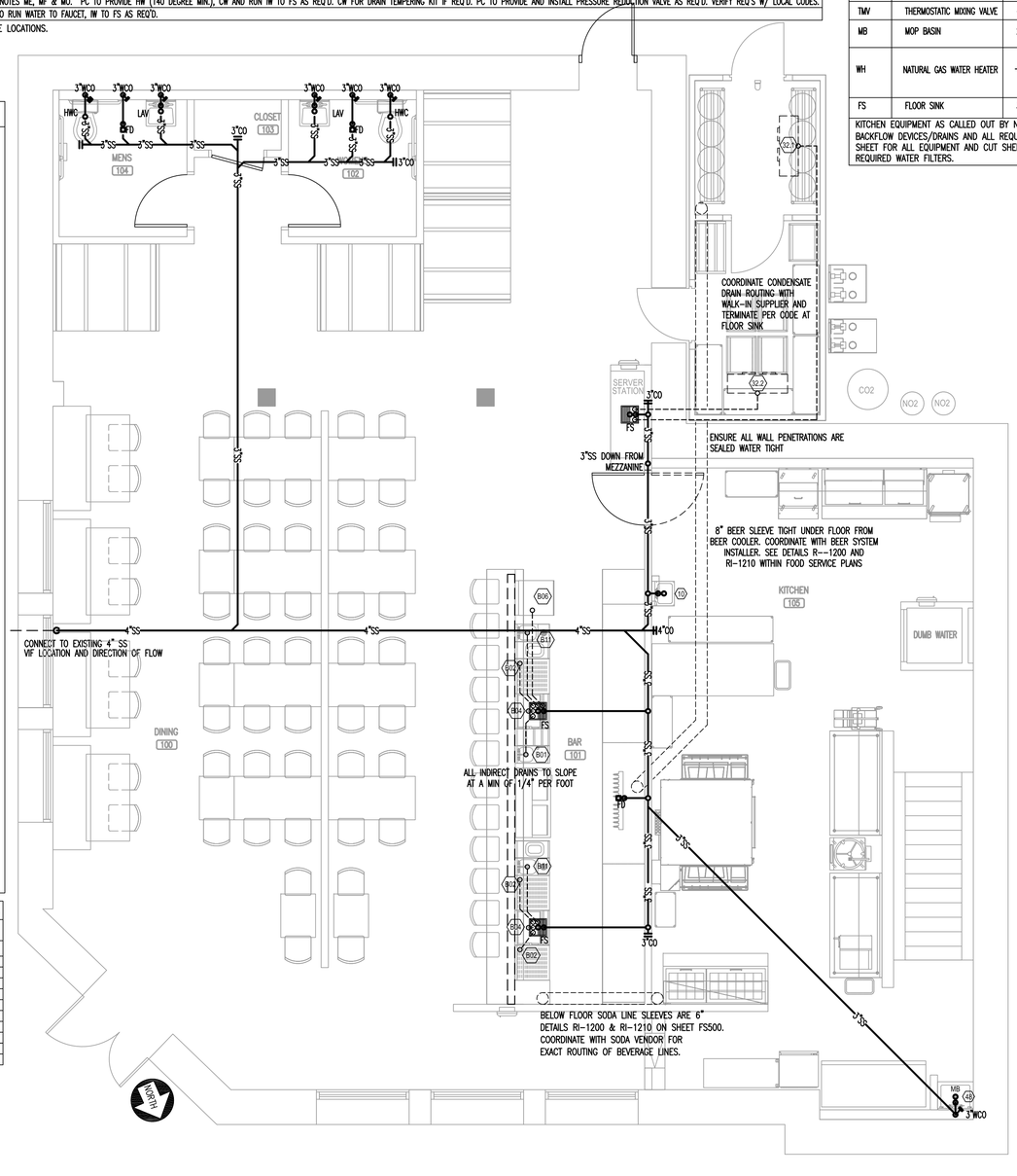
GENERAL NOTES

1. VERIFY EXACT LOCATIONS, ELEVATIONS AND CHARACTERISTICS OF UTILITIES AND PIPING BEFORE COMMENCEMENT OF WORK, AND IMMEDIATELY NOTIFY FCD PROJECT MANAGER OF ANY DISCREPANCIES.
2. OBTAIN EXACT LOCATIONS AND MOUNTING HEIGHTS OF PLUMBING FIXTURES IN KITCHEN EQUIPMENT FROM ARCHITECTURAL AND KITCHEN EQUIPMENT DRAWINGS.
3. CONTRACTOR SHALL MAKE ALL ARRANGEMENTS WITH UTILITY COMPANIES FOR SERVICE AND CONNECTIONS AND PAY FOR ALL PERMITS, FEES, CHARGES AND METERS.
4. TERMINATE ALL VENT AND FLUE OUTLETS AT 10'-0" MINIMUM FOR ANY FRESH AIR INTAKES
5. INSTALL ALL PLUMBING TO AVOID INTERFERENCE WITH ELECTRICAL AND MECHANICAL EQUIPMENT AND STRUCTURAL FRAMING. NO WATER OR DRAIN LINES PERMITTED OVER UNDER ELECTRICAL PANELS. INSURE THAT ALL WATER LINES INSIDE ARE ADEQUATELY SECURED.
6. PROVIDE FAUCETS UNLESS OTHERWISE NOTED, TRAPS, STOPS, GATE VALVE, GAS COCKS, WATER HAMMER ARRESTORS, WALK THE NOTES, COVERS, FLEX CONNECTIONS, SHUT OFF VALVES AND INDIRECT WASTE TO AN APPROVED RECEPTOR AND ALL NECESSARY TRIM FOR COMPLETELY INSTALLED AND CONNECTED PLUMBING SYSTEM
7.. RECORD ON AS BUILT DRAWINGS ALL SIZES, LOCATIONS, INVERTS AND MATERIALS OF EXISTING PIPES THAT ARE ENCOUNTERED AND NEW PIPES INSTALLED DURING THE COURSE OF THE PROJECT DELIVER AS BUILD'S TO THE CONSTRUCTION MANAGER AT THE END OF THE PROJECT
8. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL LOCAL AND FEDERAL CODES, RULES AND REGULATIONS GOVERNING THIS PROJECT
9. UPON COMPLETION OF JOB, INSPECT ALL EXPOSED PORTIONS OF THE PLUMBING INSTALLATIONS AND COMPLETELY REMOVE ALL EXPOSED LABELS, SOIL, MARKINGS, AND FOREIGN MATERIAL EXCEPT PRODUCT LABELS AND THOSE REQUIRED BY LAW
10. TERMINATE ALL INDIRECT WASTE LINES ABOVE FLOOR SINK WITH A TWO PIPE DIAMETER AIR GAP. ALL INDIRECT WASTE PIPING MUST BE HARD PIPED, COPPER DWV PIPING AND FITTINGS ONLY. NO PVC ALLOWED
11. PROVIDE FLEXIBLE GAS CONNECTIONS TO WATER HEATER AND COOKING EQUIPMENT. PROVIDE RIGID GAS CONNECTIONS TO ALL OTHER EQUIPMENT IN APPLIANCES AND WHERE LOCAL JURISDICTION PROHIBITS THE USE OF FLEXIBLE CONNECTIONS. FLEXIBLE;E CONNECTIONS TO EQUIPMENT SUPPLIED BY TENANT KITCHEN EQUIPMENT SUPPLIER AND INSTALLED BY P.C.
12. VERIFY ALL EQUIPMENT AND APPLIANCE CONNECTION SIZES PRIOR TO MAKING FINAL CONNECTION. REDUCE BRANCH PIPE SIZING JUST PRIOR TO CONNECTION TO THE UNIT
13. PLUMBING CONTRACTOR SHALL VERIFY INSTALLATION REQUIREMENTS FOR FLOOR SINKS AND FLOOR DRAINS. THE GOVERNING AUTHORITY HAVING JURISDICTION MAY REQUIRE THE FOLLOWING: FLOOR SINK MAY BE REQUIRED TO BE INSTALLED WITH THE RIM RAISED ABOVE THE FINISH FLOOR. FLOOR DRAINS MAY NEED TO BE RECESSED WITH THE FLOOR SLOPED TO THE DRAIN. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THIS INFORMATION AND INSTALLING THESE ITEMS AS REQUIRED BY CODE.
14. PROVIDE FIRE BOOTS AT FIRE WALL AND FLOOR PENETRATIONS WHEN REQUIRED BY CODE. FOR PVC PIPING AND OTHER MATERIALS THE FIRE INSPECTIONS DEPARTMENT MAY REQUIRE PROTECTION AROUND.
15. CONTRACTOR TO PROVIDE AND INSTALL CLAMPING RINGS AND COLLARS FOR ALL FLOOR DRAINS, FLOOR SINKS, FLOOR CLEANOUTS, AND ANY OTHER PLUMBING FLOOR PENETRATIONS. MAKE WATER TIGHT CONNECTION WITH WATERPROOFING MEMBRANE
16. WHEN WORKING IN A REMODEL OR TENANT FINISH OUT IN AN EXISTING OCCUPIED BUILDING, THE CONTRACTOR IS TO OBSERVE THE FOLLOWING. REMOVE EXISTING WASTE PIPING NOT TO BE REUSED OR IN USE BY OTHER TENETS. AVOID CONFLICTS BETWEEN NEW AND EXISTING PIPING SYSTEMS. TO ENSURE PROPER INSTALLATION OF THE NEW PIPING VERIFY FLOWLINE ELEVATION AND LOCATION OF EXISTING PIPING CONNECTION POINTS
17. THE INTENT OF THE DRAWING HEREIN IS TO REPRESENT A COMPLETE WORKING SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL COMPONENTS NECESSARY TO PROVIDE A COMPLETE WORKING AND CODE COMPLIANT SYSTEM WHETHER SHOWN OR NOT SHOWN ON THE DRAWINGS.
18. NEW WORK, ALTERATIONS OR ADDITIONS TO MECHANICAL AND PLUMBING SYSTEMS ARE SUBJECT TO FIELD INSPECTION.
19. ALL PLUMBING FIXTURES IN NEW CONSTRUCTION SHALL MEET THE FLOW AND PRESSURE REQUIREMENTS IPC TABLES 604.3 & 604.4.
20. PROVIDE CLEAN OUTS IN WASTE PIPING PER IPC 708 AND DBCA/IPC 708.1.3 AND 708.1.4.
21. VENT TERMINATION SHALL COMPLY TO SIZE AND LOCATION REQUIREMENTS OF IPC 903, DBCA/IPC 903.1, AND IPC 904.
22. PROVIDE BACKFLOW ASSEMBLIES PER IPC 608.1 AND DBCA/IPC 608.1.1.
23. INDIRECT WASTE PIPING SHALL CONFORM TO IPC CHAPTER 8.
24. PROTECT ALL PIPES FROM FREEZING. IPC 305.4.
25. GAS PIPING SHALL CONFORM TO PROVISIONS OF IFGC CHAPTER 4, DBCA/IFGC CHAPTER 3 AND NFPA 54. ON ROOFS – SEE IBC CHAPTER 15.
26. EQUIPMENT FUEL CONNECTIONS AND SHUT OFF VALVES MUST CONFORM TO IFGC CHAPTER 4.
27. PROVIDE COMBUSTION AIR FOR GAS FIRED APPLIANCES. IFGC 304
28. GAS APPLIANCE VENTING AND TERMINATION SHALL CONFORM TO IFGC CHAPTER 5.
29. PROVIDE MINIMUM CLEARANCES FROM VENTS TO COMBUSTIBLE MATERIALS PER IFGC 308 & IMC 308.4.
30. DIRECT VENT APPLIANCES SHALL CONFORM TO MANUFACTURER'S LISTING AND IFGC 503.8 ITEM 3 PER IFGC 503.2.3.

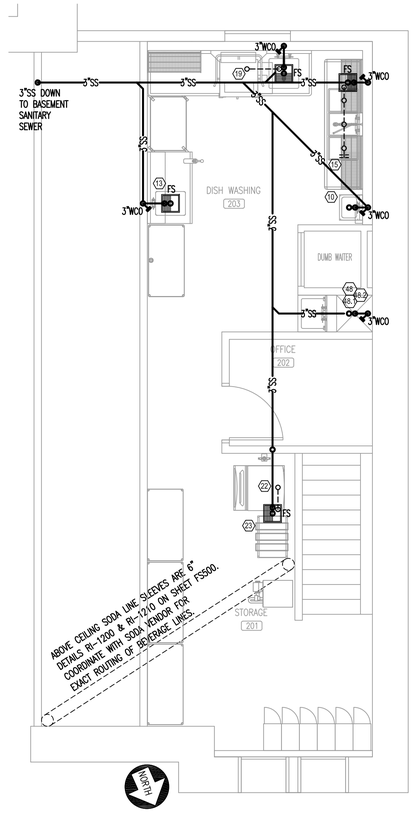
TABLE 709.1 DRAINAGE FIXTURE UNITS	
TABLE 709.1 DRAINAGE FIXTURE UNITS	
FIXTURE	DFU
WATER CLOSET	4.0
FLOOR DRAIN	2.0
KITCHEN SINK	2.0
LAVATORY	1.0
SERVICE SINK	2.0
UNIT BY TRAP SIZE TABLE 709.2	
1-1/2"	2.0
2"	3.0
3"	4.0
4"	5.0

710.1(1)
3" SLOPED AT 1/8" PER FOOT MAXIMUM CONNECTED 36 DRAINAGE FIXTURE UNITS

4" SLOPED AT 1/8" PER FOOT MAXIMUM CONNECTED 180 DRAINAGE FIXTURE UNITS



GROUND FLOOR SEWER PLAN
SCALE: 1/4"=1'-0"



MEZZANINE SANITARY SEWER PLAN
SCALE: 1/4"=1'-0"

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STATE OF NEW YORK ERIC ENGELL LICENSED PROFESSIONAL ENGINEER 081398 10/30/2025

ENGINEERING AND DESIGN PLLC
PO Box 213 (Mailing)
4236 HWY 3630
Annville, KY 40402
FIRM 23179
Phone (606)-364-2886
Fax (606)-364-5100
E-Mail: eric@emrengineers.com
Web Address: emrengineers.com

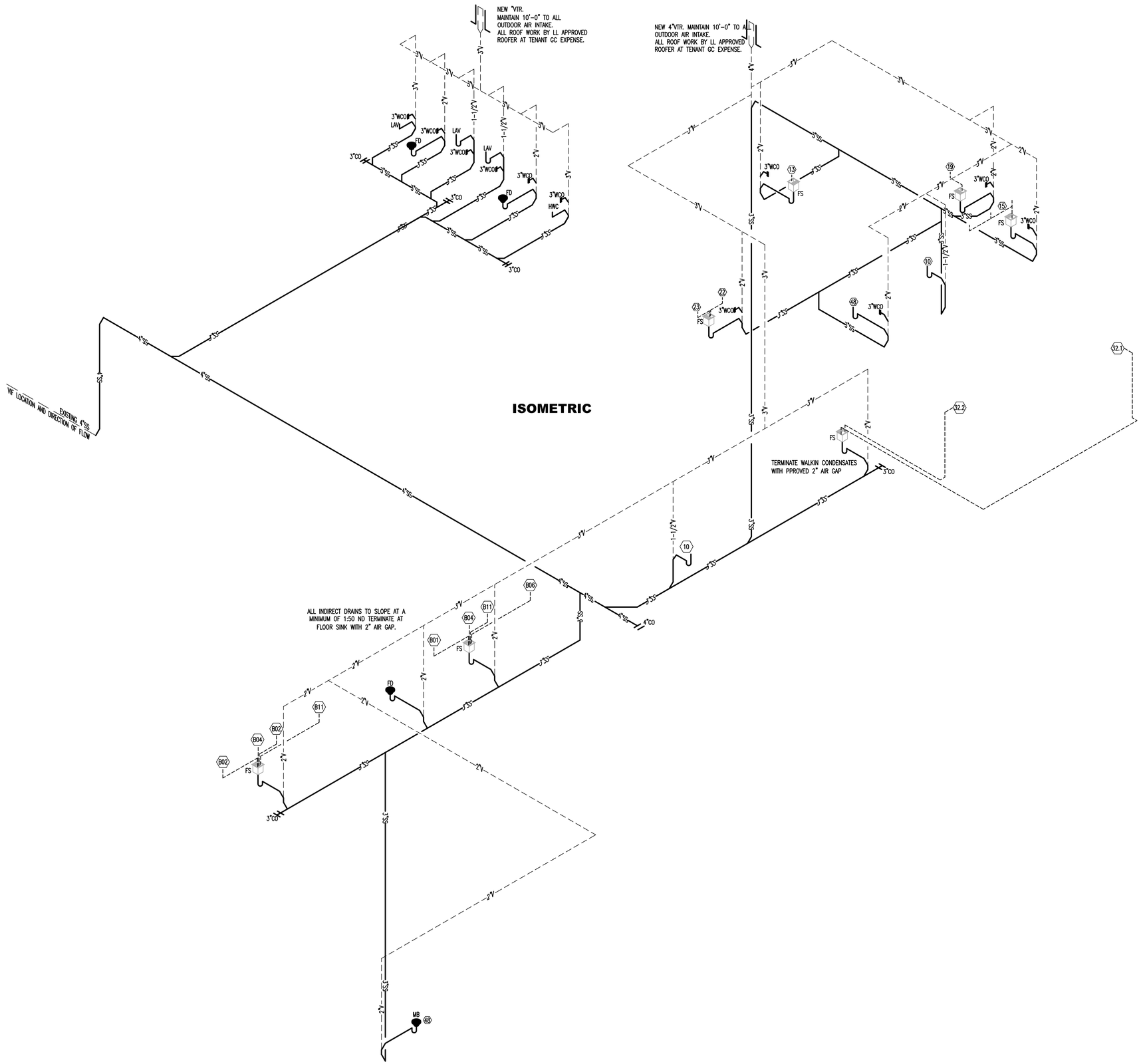
ONE! ARCHITECTURE
8686 N. Central Ave. Suite 166
Phoenix, Arizona 85020
Phone: 602.266.2712
Fax: 602.266.1688
www.ONEarchitecture.us
Architect: Dustin Curtis

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SHEET TITLE
SANITARY SEWER PLAN

SHEET No.
P4.01



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ENGINEERING AND DESIGN PLLC
PO Box 213 (Mailing)
4236 HWY 3650
Annville, KY 40402
FIRM 23179
Phone (606)-364-2886
Fax (606)-364-5100
E-Mail: eric@emrengineers.com
Web Address: emrengineers.com

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SHEET TITLE
SANITARY SEWER ISOMETRIC

SHEET No.
P4.01A

PLUMBING LEGEND

DEFINITION	SYMBOL OR ABBREVIATION
DOMESTIC HOT WATER	——HW——
DOMESTIC COLD WATER	——CW——
HOT WATER RETURN	——HWR——
VENT PIPING	——V——
SANITARY WASTE	——SS——
GAS PIPING	——NG——
RISER DOWN (ELBOW)	
RISER UP (ELBOW)	
TEE DOWN	
RPZ BACKFLOW PREVENTER	
CHECK VALVE	

SHEET KEY NOTES

1. EXISTING WATER SERVICE 1-1/2" LOCATED IN BASEMENT. VIF LOCATION. RELOCATE METER DOWN TO 48"AFF AND INSTALL SHUT OFF AND DOUBLE CHECK BACKFLOW. CONFIRM ALL REQUIRED COMPONENTS NECESSARY FOR A COMPLETE/CODE COMPLIANT INSTALLATION. CLEARLY LABEL "MAIN WATER SHUT OFF"
2. 1/2" HOT AND COLD WATER DOWN WITH 1/2" HOT AND COLD WATER TO FIXTURES, INSTALL WATER HAMMER ARRESTOR ON TOP OF FEED DOWN.
3. 1-1/2" HOT AND COLD WATER DOWN TO WATER HEATER.
4. WATTS LFUSG-B THERMOSTATIC MIXING VALVE SET TO 109°F BELOW HAND SINK.
5. 1/2" COLD WATER DOWN TO HWC, INSTALL WATER HAMMER ARRESTOR ON TOP OF FEED DOWN.
6. 3/4" HOT WATER RETRUN DOWN. INSTALL WATER HAMMER ARRESTOR ON TOP OF FEED DOWN.

DOMESTIC WATER PLUMBING SCHEDULE

ITEM NO.	QTY	DESCRIPTION	HOT WATER SIZE	HOT WATER AFF	COLD WATER SIZE	COLD WATER AFF
10	2	HAND SINK, WALL MOUNT	1/2"	22"	1/2"	22"
13	1	WORK TABLE W/ PREP SINK	1/2"	22"	1/2"	22"
15	1	SINK, 3 COMPARTMENT				
15.1	1	PRE-RINSE FAUCET W/ ADD-A-FAUCET	1/2"	22"	1/2"	22"
19	1	DISHMACHINE, HIGH-TEMP, VENTLESS	1/2"	18"	1/2"	18"
20.1	1	SPRAY RINSE FAUCET	1/2"	22"	1/2"	22"
22	1	ICE MAKER			3/8"	60"
22.2	1	WATER FILTER			3/8"	72"
23	1	SODA SYSTEM – BAG IN A BOX			1/2"	72"
48	2	MOP SINK				
48.2	2	MOP SINK SERVICE FAUCET	1/2"	22"	1/2"	22"
B01	1	UNDERBAR HAND SINK	1/2"	22"	1/2"	22"
B06	1	UNDERBAR GLASSWASHER, HIGH-TEMP			1/2"	12"
B11	2	UNDERBAR MIXOLOGY STATION	1/2"	22"	1/2"	22"

WATER SUPPLY CALCULATIONS

	FIXTURE	QUANTITY	FIXTURE UNITS	TOTAL FIXTURE UNITS
10	HAND SINK	2	1.0	2.0
13	WORK TABLE	1	2.0	2.0
15	3 COMP SINK	1	3.0	3.0
19	DISH WASHER	1	5.0	5.0
20	DISH TABLE	1	5.0	5.0
22	ICE MACHINE	1	1.0	1.0
23	BAG N BOX	1	1.0	1.0
48	MOP SINK	2	3.0	6.0
B01	HAND SINK	1	1.0	1.0
B06	GLASS WASHER	1	2.0	2.0
B11	MIXOLOGY SINK	2	1.0	2.0
	WATER CLOSET	2	3.0	6.0
	LAVATORY	2	1.0	2.0
	WATER FIXTURE UNITS			38.0
	GALLONS PER MINUTE			25.9

PIPE LENGTH TAP TO METER — 30 FT
PIPE LENGTH METER TO LAST FIXTURE — 90 FT
VERTICAL PIPE LENGTH TO HIGHEST FIXTURE — 10 FT
TOTAL PIPE LENGTH — 130 FT
FITTING LOSS (20%) — 26 FT
TOTAL DEVELOPED LENGTH — 156 FT

WATER PIPE SIZING CRITERIA:

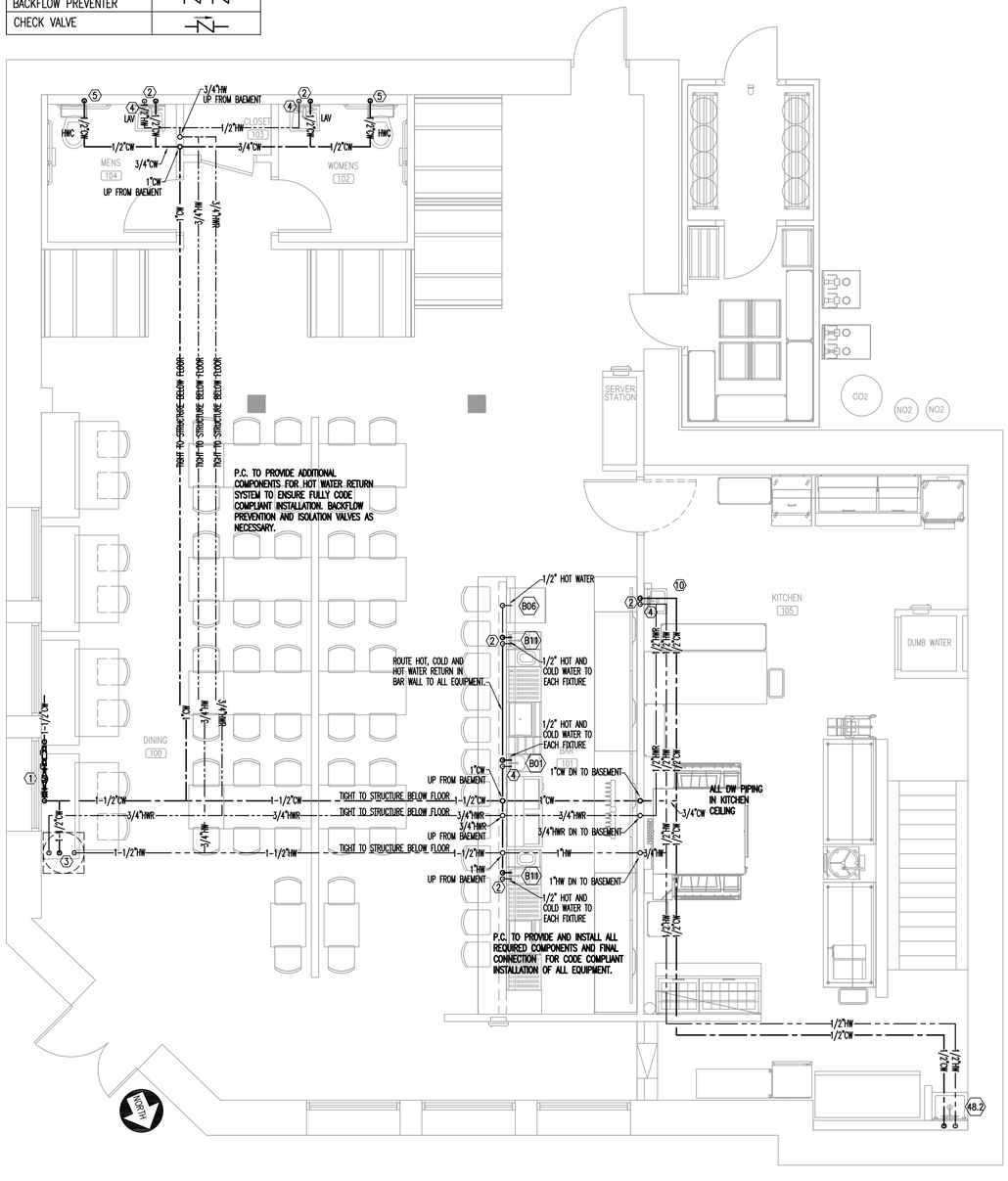
SUPPLY PRESSURE (ASSUME)(INSTALL PRV AS REQUIRED) — 55 PSIG

FRICTION LOSS (PSI):

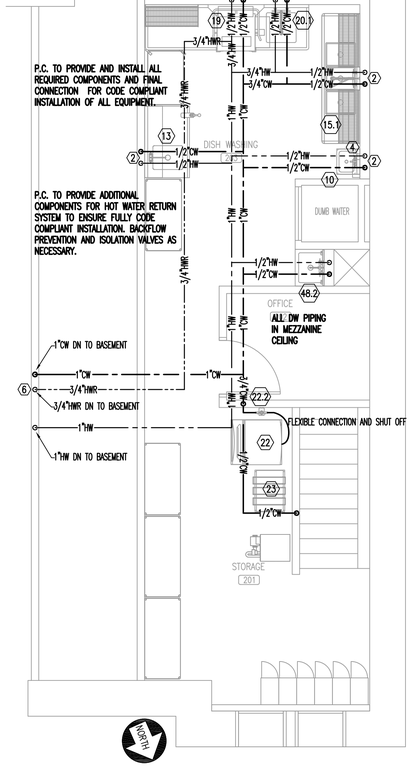
BACK FLOW PREVENTER LOSS — 12.00 PSI
METER LOSS — 3.00 PSI
HIGHEST PRESS. REQ'D. AT FIXTURE. — 25.00 PSI
TOTAL OVERALL LOSSES — 40.00 PSI

PRESSURE AVAILABLE FOR PIPING — 15.0 PSI

15 PSI / 156 TDL X 100 = 9.6 PSI MAXIMUM PRESS. DROP ALLOWABLE/100 FT. OF PIPE



DOMESTIC WATER GROUND FLOOR PLAN
SCALE: 1/4"=1'-0"



DOMESTIC WATER MEZZANINE PLAN
SCALE: 1/4"=1'-0"

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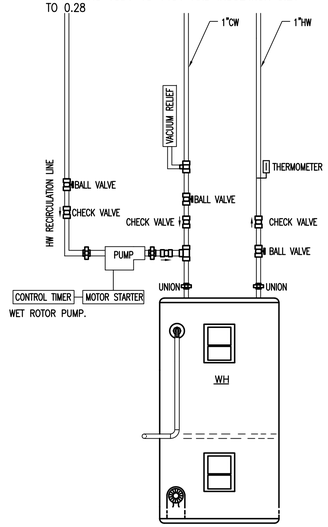
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SHEET TITLE
DOMESTIC WATER PLAN

SHEET No.
P4.02

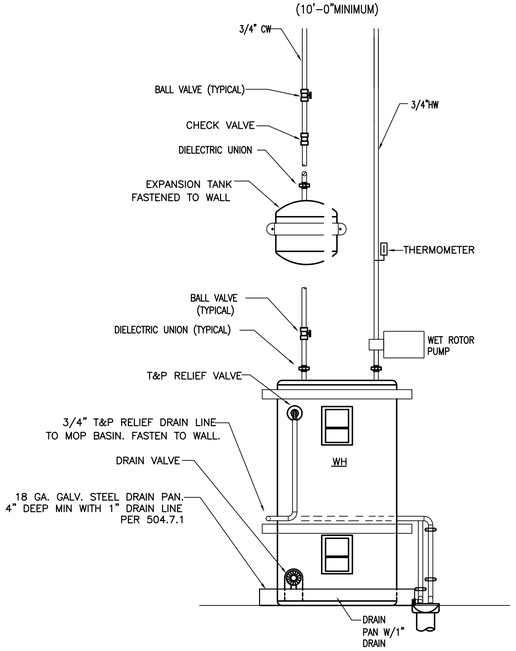
ALL HOT WATER PIPING SHALL BE INSULATED WITH A MINIMUM OF 1" INSULATION UNDER 1-1/2" PER IECC SECTION C403.1.10. AND 1-1/2" INSULATION FOR PIPING FROM 1-1/2" TO 4" PIPING.
FOR PIPING 105°F TO 140°F AND INSULATION 0.21 TO 0.28



HOT WATER RECIRCULATION

EXHAUST / VENTILATION PER MANUFACTURER. COORDINATE FINAL TERMINATION WITH LL REP. IN FIELD, VENT UP THRU ROOF. MAINTAIN CLEARANCES TO OUTDOOR AIR INTAKES (10'-0"MINIMUM)

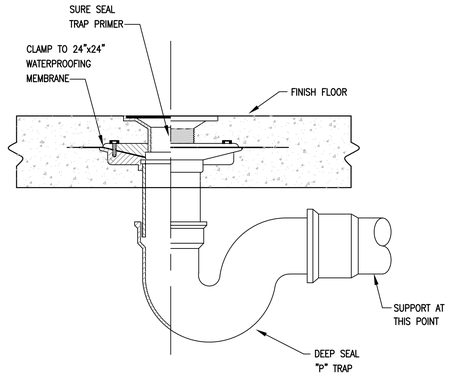
ROUTE COMBUSTION AND EXHAUST AIR PIPING PER MANUFACTUER INSTALL GUIDE. MAINTAIN CODE CLEARANCES TO ANY OUTDOOR AIR INTAKE.



1 WATER HEATER DETAIL

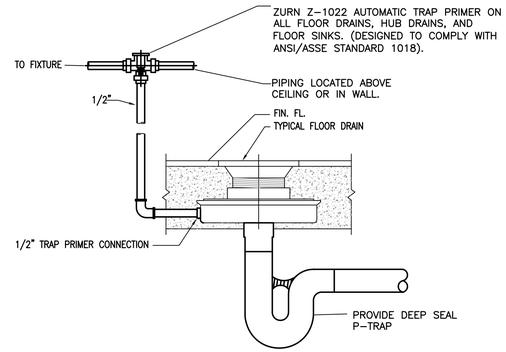
ALL HOT WATER PIPING SHALL BE INSULATED WITH A MINIMUM OF 1" INSULATION PER IECC SECTION 504.

N.T.S.



2 FLOOR DRAIN

N.T.S.

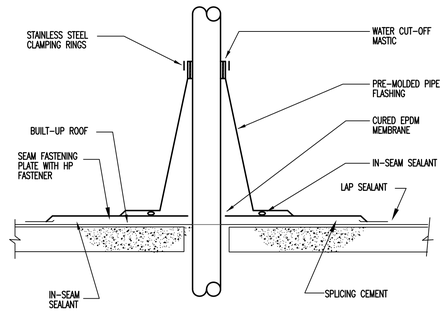


3 FLOOR DRAIN / MECH TRAP PRIMER

INSTALL ON ALL FLOOR DRAINS PER MPC 1002.4

N.T.S.

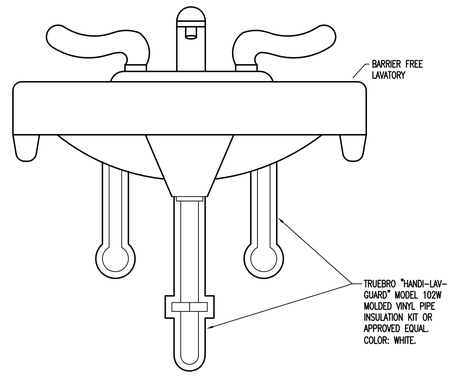
ALL ROOF WORK BY LANDLORD APPROVED ROOFER AT TENANT EXPENSE



4 VENT THROUGH ROOF

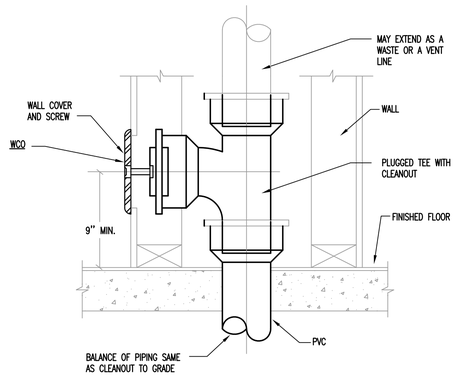
N.T.S.

INSTALL ON ALL EXPOSED ADA HAND SINKS AND LOUNGE SINK



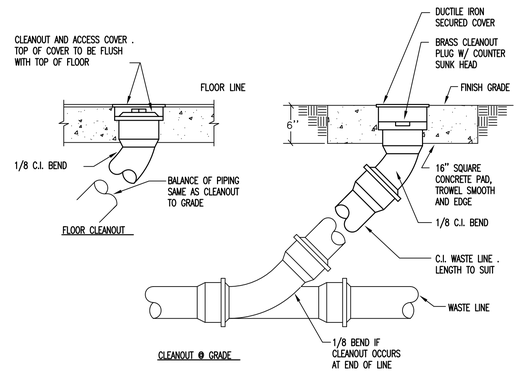
5 ADA PIPE SHROUDING

N.T.S.



6 TYPICAL WALL CLEANOUT DETAIL

N.T.S.



7 TYPICAL CLEANOUT(S) DETAIL

N.T.S.

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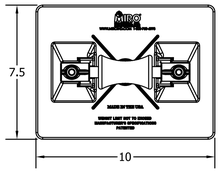
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PROJECT No.:	RP 2601

SHEET TITLE

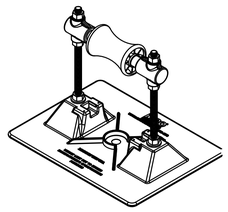
PLUMBING DETAILS

SHEET No.

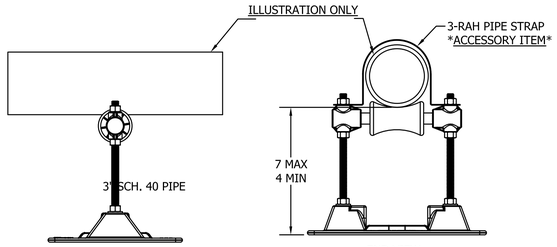
P4.03



TOP VIEW



ISOMETRIC VIEW



SIDE VIEW

END VIEW

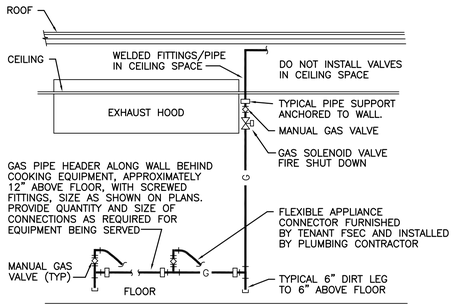
ACCESSORIES
- 3-RAH Pipe Strap - Order to Pipe O.D.
- Support pad or deck plate
- Eternabond} 2-sided tape

PRODUCT DESCRIPTION
A "roller-bearing" pipe support used to support roof-mounted gas pipes, electrical conduit, solar piping and other mechanical piping. Unique design absorbs thermal expansion and contraction of pipes thus preventing damage to the roof membrane. Pipes rest on a self-lubricating polycarbonate resin

KEY INFORMATION
- 3" ID maximum pipe capacity 3-3/4" OD maximum.
- Adjustable in height from 3-3/4" to 7", even load

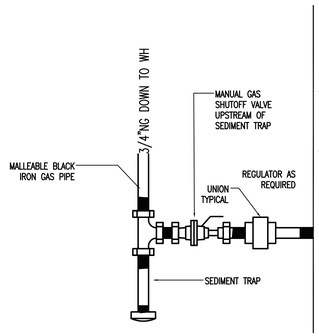
- 12 per case, 29 lbs. per case
- Recommended spacing is not to exceed 10 feet

each pipestand is properly elevated to even load weight at all pipestands.

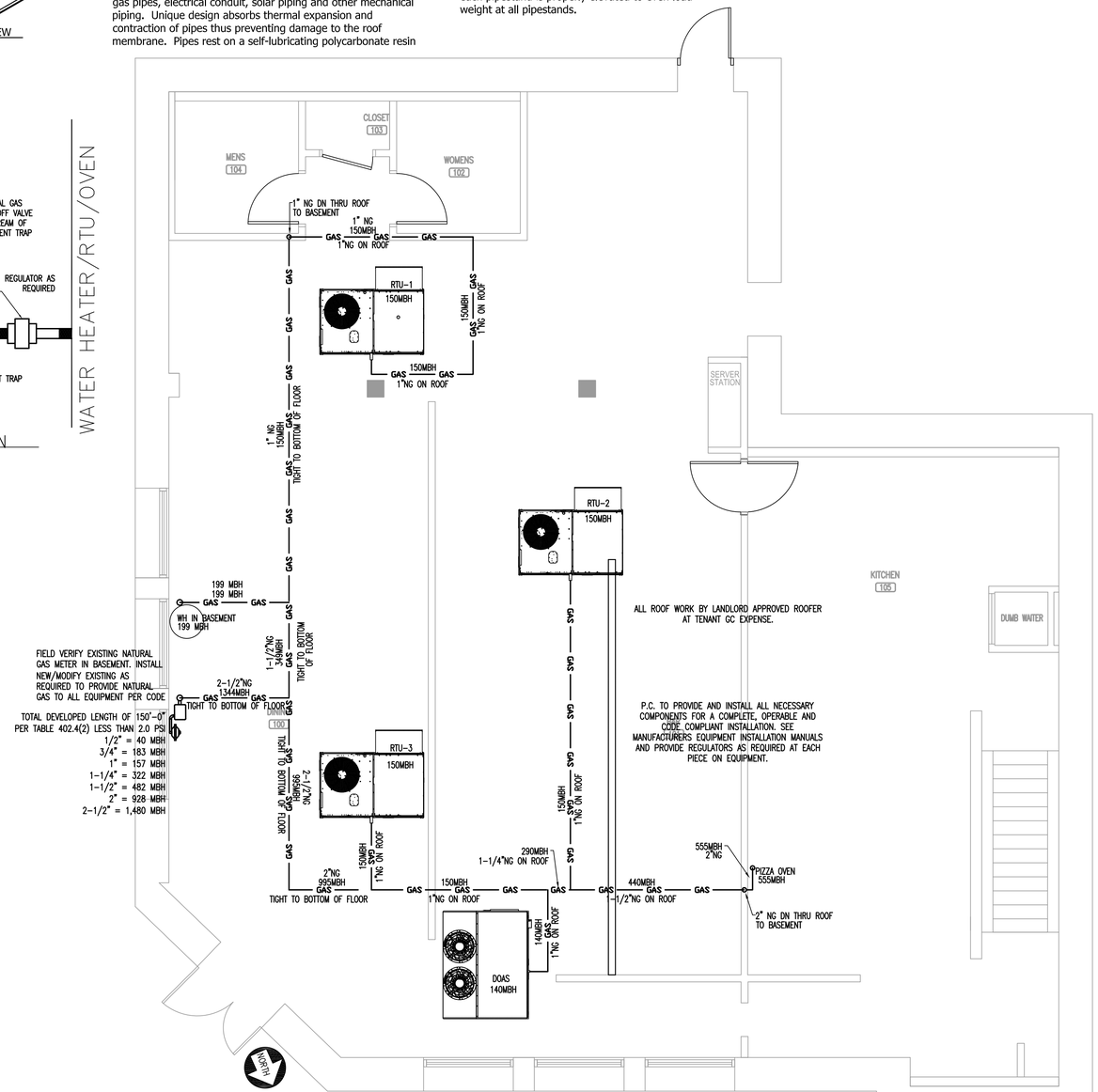


ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT ACTUAL CONDITIONS. ATTACH RISER & HEADER TO WALL WITH 1" CLEARANCE BEHIND PIPE. MAKE FINAL CONNECTION TO EQUIPMENT AS RECOMMENDED BY MANUFACTURER. PROVIDE WELDED FITTINGS/JOINTS IN ANY CONCEALED, UNSLEEVED LOC'N.

COOKING APPLIANCES GAS PIPING
SCALE: NTS



NATURAL GAS CONNECTION
SCALE: NTS



NATURAL GAS PLAN
SCALE: 1/4" = 1'-0"

CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BID AND REPORT ANY DISCREPANCIES BACK TO OWNER. G.C. SHALL COORDINATE ALL SUB CONTRACTORS AND ENSURE A COMPLETE FULLY CODE COMPLIANT AND PROFESSIONALLY FINISHED TENANT SPACE.

ISSUED / REVISIONS:

STATE OF NEW YORK ERIC ENGELL LICENSED PROFESSIONAL ENGINEER 081395
10/30/2025

ENGINEERING AND DESIGN PLLC
PO Box 213 (Kelling)
4236 HWY 36S0
Annville, KY 40402
FIRM 23179
Phone (606)-364-2886
Fax (606)-364-5100
E-Mail: eric@emrengineers.com
Web Address: emrengineers.com

ONE!
ARCHITECTURE
8686 N. Central Ave. Suite 166
Phoenix, Arizona 85020
Phone: 602.266.2712
Fax: 602.266.1688
www.ONEarchitecture.us
Architect: Dustin Curtis

RIKO'S THIN CRUST PIZZA
124 CHATSWORTH AVE
LARCHMONT, NEW YORK 10538

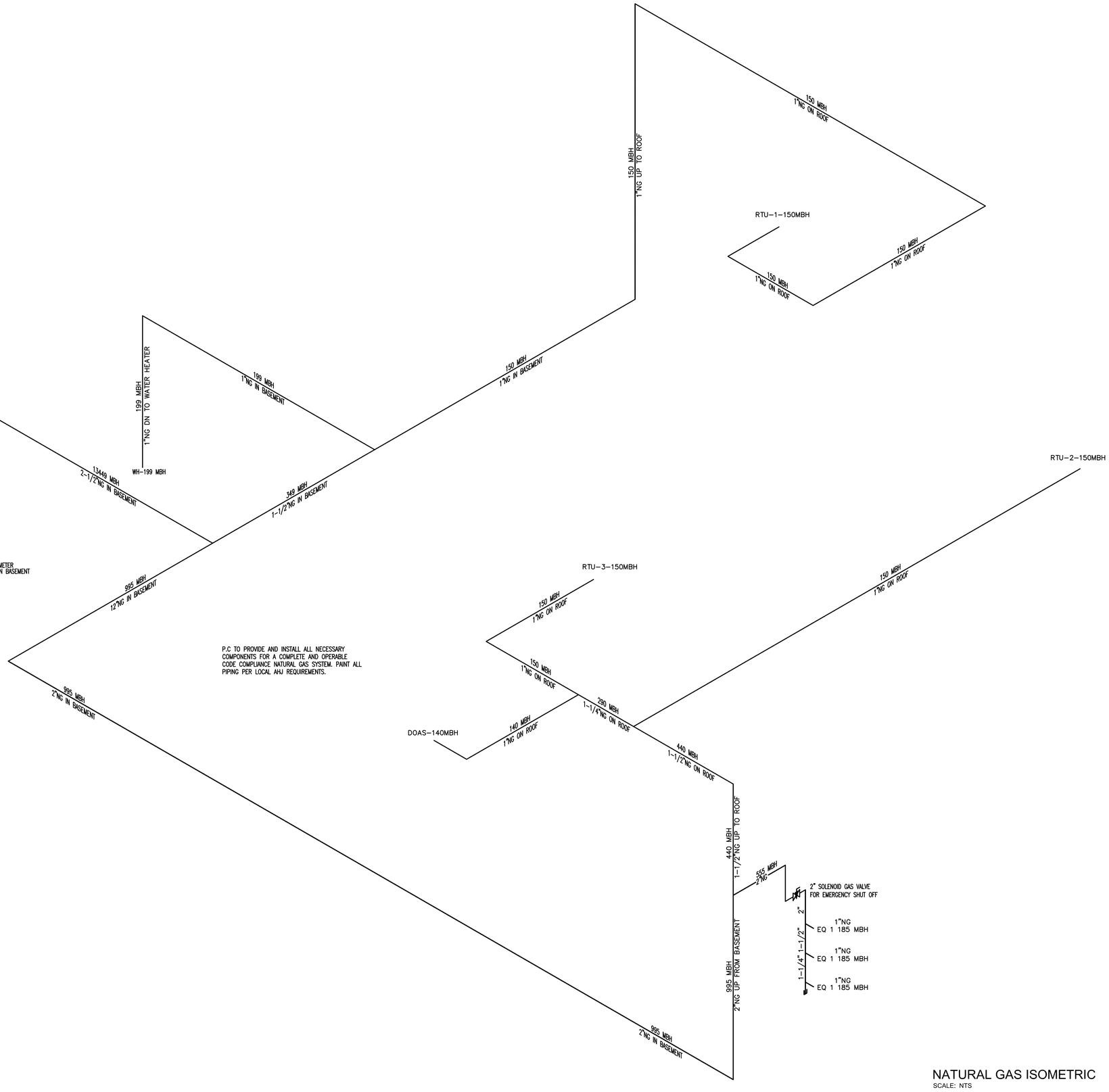
CHECKED BY:	Staff
DRAWN BY:	Staff
DATE:	OCTOBER 30, 2025
SCALE:	PER PLAN
PROJECT No.:	RP 2601

SHEET TITLE

NATURAL GAS PLAN & DETAILS

SHEET No.

P4.04



NATURAL GAS ISOMETRIC
SCALE: NTS

CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BID AND REPORT ANY DISCREPANCIES BACK TO OWNER. G.C. SHALL COORDINATE ALL SUB CONTRACTORS AND ENSURE A COMPLETE FULLY CODE COMPLIANT AND PROFESSIONALLY FINISHED TENANT SPACE.

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STATE OF NEW YORK
ERIC ENGELL
LICENSED PROFESSIONAL ENGINEER
081395
10/30/2025

ENGINEERING AND DESIGN PLLC
PO Box 213 (Mailing)
4236 HWY 3630
Annville, KY 40402
Phone (606)-364-2886
Fax (606)-364-5100
E-Mail: eric@emrengineers.com
Web Address: emrengineers.com
FIRM 23179

ONE!
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SHEET TITLE
NATURAL GAS ISOMETRIC

SHEET No.
P4.04A

PLUMBING SPECIFICATIONS

DIVISION 15 – MECHANICAL / PLUMBING

TABLE OF CONTENTS

SECTION	
15010	SPECIAL REQUIREMENTS FOR MECHANICAL PLUMBING
15400	PLUMBING
15410	PLUMBING PIPING
15440	PLUMBING FIXTURES

SECTION 15010 – SPECIAL REQUIREMENTS FOR MECHANICAL PLUMBING

PART 1.00 – GENERAL

1.01 REFERENCES:

A. THE GENERAL CONDITIONS AND SPECIAL CONDITIONS ARE A PART OF THIS SECTION.
B. WHERE ITEMS OF THE GENERAL CONDITIONS AND SPECIAL CONDITIONS ARE REPEATED IN THIS SECTION OF THE SPECIFICATIONS, IT IS MERELY INTENDED TO QUALIFY OR TO CALL ATTENTION TO THEM. IT IS NOT INTENDED THAT ANY OTHER PART OF THE GENERAL CONDITIONS SHALL BE ASSUMED TO BE OMITTED IF NOT REPEATED HEREIN.
C. THIS SECTION APPLIES EQUALLY AND SPECIFICALLY TO ALL CONTRACTORS SUPPLYING LABOR AND/OR EQUIPMENT AND/OR MATERIALS AS REQUIRED UNDER EACH SECTION OF THIS DIVISION.

1.02 INTENT:

A. IT IS THE INTENTION OF THE SPECIFICATIONS AND DRAWINGS TO CALL FOR FINISHED WORK, TESTED AND READY FOR OPERATION. ANY APPARATUS, APPLIANCE, MATERIAL OR WORK NOT SHOWN ON THE DRAWINGS, BUT MENTIONED IN THE SPECIFICATIONS OR VICE–VERSA, OR ANY INCIDENTAL ACCESSORIES NECESSARY TO MAKE THE WORK COMPLETE AND PERFECT IN ALL RESPECT AND READY FOR OPERATION, EVEN IF NOT PARTIALLY SPECIFIED, SHALL BE FINISHED, DELIVERED AND INSTALLED UNDER THEIR RESPECTIVE DIVISION WITHOUT ADDITIONAL EXPENSE TO THE OWNER.
B. MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR THE PROPER INSTALLATION AND OPERATION, SHALL BE INCLUDED IN THE WORK AS THOUGH THEY ARE HEREINAFTER SPECIFIED OR SHOWN.
C. WORK UNDER EACH SECTION SHALL INCLUDE GIVING WRITTEN NOTICE TO THE OWNER OF ANY MATERIALS OR APPARATUS BELIEVED INADEQUATE OR UNSUITABLE, IN VIOLATION OF LAWS, ORDINANCES , RULES OR REGULATIONS OF AUTHORITIES HAVING JURISDICTION, AND NECESSARY ITEMS OF NOTICE, IT IS MUTUALLY AGREED THAT WORK UNDER EACH DIVISION HAS INCLUDED THE COST OF ALL REQUIRED ITEMS FOR THE APPROVED SATISFACTORY FUNCTIONING OF THE ENTIRE SYSTEM WITHOUT EXTRA COMPENSATION.

1.03 DRAWINGS:

A. DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. DO NOT SCALE THE DRAWINGS. CONSULT THE DESIGNER DRAWINGS AND DETAILS EXACT LOCATION OF FIXTURES AND EQUIPMENT, WHERE SAME ARE NOT DEFINITELY LOCATED, OBTAIN THIS INFORMATION FROM THE DESIGNER.
B. WORK UNDER EACH SECTION SHALL CLOSELY FOLLOW DRAWINGS IN LAYOUT OF WORK AND CHECK DRAWINGS OF OTHER DIVISIONS TO VERIFY SPACES IN WHICH WORK WILL BE INSTALLED. MAINTAIN MAXIMUM HEADROOM AND WHERE SPACE CONDITIONS APPEAR INADEQUATE, ENGINEER SHALL BE NOTIFIED BEFORE PROCEEDING WITH INSTALLATIONS.
C. ENGINEER MAY, WITHOUT EXTRA CHARGE, MAKE REASONABLE MODIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF THE WORK.
D. WHERE VARIANCES OCCUR BETWEEN THE DRAWINGS AND SPECIFICATIONS OR WITHIN EITHER OF THE DOCUMENTS, THE ITEM OR ARRANGEMENT OF BETTER QUALITY, OR HIGHER COST, SHALL BE INCLUDED IN THE CONTRACT PRICE. THE ENGINEER SHALL DECIDE ON THE ITEM AND THE MANNER IN WHICH THE WORK SHALL BE INSTALLED.

1.04 SURVEYS AND MEASUREMENTS:

A. BEFORE SUBMITTING TO HIS BID, THE CONTRACTOR SHALL VISIT THE SITE, AND THE EXISTING BUILDING AND SHALL BECOME THOROUGHLY FAMILIAR WITH ALL CONDITIONS UNDER WHICH HIS WORK WILL BE INSTALLED, AS HE WILL BE HELD RESPONSIBLE FOR ANY ASSUMPTIONS HE MAKES OR ANY OMISSIONS OR ERRORS HE MAKES AS A RESULT OF HIS FAILURE TO BECOME FAMILIAR WITH THE SITE, THE EXISTING BUILDING AND THE CONTRACT DOCUMENTS.
B. THE CONTRACTOR SHALL BASE ALL MEASUREMENTS, BOTH HORIZONTAL AND VERTICAL FROM ESTABLISHED BENCH MARKS. ALL WORK SHALL AGREE WITH THESE ESTABLISHED LINES AND LEVELS. VERIFY ALL MEASUREMENTS AT SITE AND CHECK THE CORRECTNESS OF SAME AS RELATED TO THE WORK.
C. SHOULD THE CONTRACTOR DISCOVER ANY DISCREPANCY BETWEEN ACTUAL MEASUREMENTS AND THOSE INDICATED, WHICH PREVENTS FOLLOWING GOOD PRACTICE OR THE INTENT OF THE DRAWINGS AND SPECIFICATIONS, HE SHALL NOTIFY THE ENGINEER AND SHALL NOT PROCEED WITH HIS WORK UNTIL HE HAS RECEIVED INSTRUCTIONS FROM THE ENGINEER.

1.05 CODES AND STANDARDS:

A. THE STANDARDS AND CODES LISTED BELOW SHALL APPLY TO ALL MECHANICAL WORK. WHERE STANDARDS OR CODES ARE MENTIONED IN THESE SPECIFICATIONS, THE LATEST EDITION OR REVISION SHALL BE FOLLOWED.
   1. ANSI A13.1– SCHEME FOR THE IDENTIFICATION OF PIPING SYSTEM
   2. ANSI A40.8 – NATIONAL PLUMBING CODES
   3. ANSI C 1 – NATIONAL ELECTRIC CODE (NFPA 70)
   4. ANSI C50 – ROTATING ELECTRICAL MACHINERY
   5. ANSI C51.1– CONSTRUCTION AND GUIDE FOR SELECTION, INSTALLATION F
   6. ANSI C52.1– MOTORS AND GENERATORS (NEMA MG 1)
B. STATE AND LOCAL CODES SHALL APPLY AS LIST ON COVER SHEET.
C. THE FOLLOWING ABBREVIATIONS ARE USED WITHIN THIS SECTION OF THE SPECIFICATIONS:

   ACPA – AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS
   AMCA – AIR MOVING AND CONDITIONING ASSOCIATION
   ANSI – AMERICAN NATIONAL STANDARDS INSTITUTE
   API – AMERICAN PETROLEUM INSTITUTE
   ARI – AIR CONDITIONING AND REFRIGERATION INSTITUTE
   ASHRAE– AMERICAN SOCIETY OF HEATING REFRIGERATION AND AIR CONDITIONING ENGINEERS
   ASME – AMERICAN SOCIETY OF MECHANICAL ENGINEERS
   ASTM – AMERICAN SOCIETY OF TESTING AND MATERIALS
   AWS – AMERICAN WELDING SOCIETY
   AWWA – AMERICAN WATER WORKS ASSOCIATION
   BOCA – BUILDING OFFICIALS AND CODE ADMINISTRATORS INTERNATIONAL, INC.
   CGA – COMPRESSED GAS ASSOCIATION
   CISPI – CAST IRON SOIL PIPE INSTITUTE
   EJMA – EXPANSION JOINT MANUFACTURERS ASSOCIATION
   EPA – ENVIRONMENTAL PROTECTION AGENCY
   FSSC – FEDERAL SPECIFICATION
   IBR – INSTITUTE OF BOILER AND RADIATOR MANUFACTURERS
   IEEE – INSTITUTE OF ELECTRICAL AND ELECTRICAL ENGINEERS
   NEMA – NATIONAL ELECTRICAL MANUFACTURER ASSOCIATION
   NFPA – NATIONAL FIRE PROTECTION ASSOCIATION
   NOFI – NATIONAL OIL FUEL INSTITUTE
   NSPC – NATIONAL STANDARD PLUMBING CODE
   OSHA – OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
   PDI – PLUMBING AND DRAINAGE INSTITUTE
   SMACNA – SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
   U.L. – UNDERWRITERS' LABORATORIES

1.06 PERMITS AND FEES:

A. THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES, OBTAIN ALL PERMITS AND PAY ALL GOVERNMENT SALES TAXES AND FEES WHERE APPLICABLE, AND OTHER COSTS, INCLUDING UTILITY CONNECTIONS OR EXTENSIONS, IN CONNECTION WITH HIS WORK, FILE ALL NECESSARY APPROVALS OF ALL GOVERNMENTAL DEPARTMENTS HAVING JURISDICTION, OBTAIN ALL REQUIRED CERTIFICATES OF INSPECTION FOR HIS WORK AND DELIVER A COPY TO THE ENGINEER BEFORE REQUEST FOR ACCEPTANCE AND FINAL PAYMENT FOR THE WORK.
B. THE CONTRACTOR SHALL INCLUDE IN THE WORK, WITHOUT EXTRA COST TO THE OWNER, ANY LABOR, MATERIALS, SERVICES, APPARATUS, DRAWINGS, IN ORDER TO COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES RULES AND REGULATIONS, WHETHER OR NOT SHOWN ON DRAWINGS AND/OR SPECIFIED.
C. ALL MATERIALS FURNISHED AND ALL WORK INSTALLED SHALL COMPLY WITH RULES AND RECOMMENDATIONS OF THE NATIONAL FIRE PROTECTION ASSOCIATION, WITH THE REQUIREMENTS OF THE LOCAL UTILITY COMPANIES, WITH THE RECOMMENDATIONS OF THE INSURING AUTHORITY, AND WITH THE REQUIREMENTS OF ALL GOVERNMENTAL DEPARTMENTS HAVING JURISDICTION.

1.07 COORDINATION WITH OTHER DIVISIONS:

A. ALL WORK SHALL BE CARRIED OUT IN CONJUNCTION WITH OTHER TRADES AND FULL COOPERATION SHALL BE IN ORDER THAT ALL WORK MAY PROCEED WITH A MINIMUM OF DELAY AND INTERFERENCE. PARTICULAR EMPHASIS PLACED ON TIMELY INSTALLATION OF MAJOR APPARATUS AND FURNISHING OTHER CONTRACTORS, ESPECIALLY THE GENERAL CONTRACTOR, WITH INFORMATION AS TO OPENINGS, CHASES, EQUIPMENT LOCATIONS, PANELS WIRING REQUIRED BY OTHER TRADES.
B. THE CONTRACTOR IS REQUIRED TO EXAMINE ALL OF THE PROJECT DRAWING AND MUTUALLY ARRANGE WORK SO AS TO AVOID INTERFERENCE. DUCTWORK, HEATING PIPES AND DRAINAGE LINES TAKE PRECEDENCE OVER WATER, GAS AND ELECTRICAL CONDUITS.
C. WHERE THE WORK OF THE CONTRACTOR WILL BE INSTALLED IN CLOSE PROXIMITY TO, OR WILL INTERFERE WITH WORK OF OTHER TRADES, HE SHALL ASSIST IN WORKING OUT SPACE CONDITIONS TO MAKE A SATISFACTORY ADJUSTMENT. IF SO DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL PREPARE COMPOSITE WORKING DRAWINGS AND SECTIONS AT A SCALE NOT LESS THAN 3/8" = 1' – 0", CLEARLY SHOWING HOW HIS WORK IS TO BE INSTALLED IN RELATION TO THE WORK OF OTHER TRADES. IF THE CONTRACTOR INSTALLS HIS WORK BEFORE COORDINATING WITH OTHER TRADES, HE SHALL MAKE NECESSARY CHANGES IN HIS WORK TO CORRECT THE CONDITION WITHOUT EXTRA CHARGE. CONTRACTORS SHALL COORDINATE RADIATION COVERS WITH CONVENIENCE OUTLETS TO AVOID CONFLICTS.

1.08 APPROVALS:

A. THE MATERIALS, WORKMANSHIP, DESIGN AND ARRANGEMENT OF ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
B. WITHIN THIRTY (30) DAYS AFTER THE ACCEPTANCE OF BIDS, THE MECHANICAL CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR APPROVAL A LIST OF MANUFACTURERS OF EQUIPMENT PROPOSED FOR THE WORK UNDER THE MECHANICAL SECTION. THE INTENT TO USE THE EXACT MAKES SPECIFIED DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF SUBMITTING SUCH A LIST.
C. WHERE ANY SPECIFIC MATERIAL, PROCESS OR METHOD OF CONSTRUCTION, OR MANUFACTURED ARTICLE IS SPECIFIED BY NAME OR BY REFERENCE TO THE CATALOGUE NUMBER OF A MANUFACTURER, THE SPECIFICATIONS ARE TO BE USED AS A GUIDE AND ARE NOT INTENDED TO TAKE PRECEDENCE OVER THE BASIC DUTY AND PERFORMANCE SPECIFIED WITH THE SPECIFIC CHARACTERISTICS OF THE EQUIPMENT OFFERED FOR APPROVAL. EQUIPMENT CHARACTERISTICS ARE TO BE USED AS MANDATORY REQUIREMENTS WHERE CONTRACTOR PROPOSES TO USE AN APPROVED EQUAL.
D. ALL COMPONENT PARTS OF EACH ITEM OF EQUIPMENT OR DEVICE SHALL BEAR THE MANUFACTURER'S NAMEPLATE, GIVING NAME OF MANUFACTURER, DESCRIPTION, SIZE, TYPE, SERIAL OR MODEL NUMBER, ELECTRICAL CHARACTERISTICS, ETC., IN ORDER TO FACILITATE MAINTENANCE OR REPLACEMENT. THE NAMEPLATE OF SUBCONTRACTOR OR DISTRIBUTOR WILL NOT BE ACCEPTABLE.
E. IF MATERIAL OR EQUIPMENT IS INSTALLED BEFORE IT IS APPROVED, THE CONTRACTOR SHALL BE LIABLE FOR ITS REMOVAL AND REPLACEMENT AT NO EXTRA CHARGE TO THE OWNER IF, IN THE OPINION OF THE ENGINEER, THE MATERIAL OR EQUIPMENT DOES NOT MEET THE INTENT OF THE DRAWINGS AND SPECIFICATIONS.

1.09 EQUIPMENT DEVIATIONS:

A. BIDS SHALL BE BASED ON MATERIAL AND EQUIPMENT SPECIFIED. WHERE MORE THAN ONE MANUFACTURER IS NAMED IN THE PLANS OR SPECIFICATIONS, EQUIPMENT OR MATERIALS SHALL BE EQUAL TO THE MODEL OR TYPE SPECIFIED, BUT MAY BE THE PRODUCT OF ANY OF THE MANUFACTURERS LISTED FOR THE PARTICULAR ITEM. IF IT IS DESIRED TO SUBSTITUTE THE PRODUCT OF A MANUFACTURER NOT SPECIFIED A PARTICULAR ITEM, THE MANUFACTURER AND ITEM TO BE SUBSTITUTED SHALL BE NAMED ON THE BID FORM TOGETHER WITH THE ADDITION OR DEDUCTION OF THE BASE BID. BASE BID SHALL BE BASED ON USING MANUFACTURER'S EQUIPMENT AS SPECIFIED.
B. IN THESE SPECIFICATIONS AND ON THE ACCOMPANYING DRAWINGS, ONE OR MORE MAKES OF MATERIALS, APPARATUS OR APPLIANCE HAVE BEEN SPECIFIED FOR USE IN THIS INSTALLATION. THIS HAS BEEN DONE FOR CONVENIENCE IN FIXING THE STANDARD OF WORKMANSHIP, FINISH AND DESIGN REQUIRED FOR THIS WORKMANSHIP, FINISH AND DESIGN AND THE GUARANTEED PERFORMANCE OF ANY MATERIALS, APPARATUS OR APPLIANCE WHICH THE CONTRACTOR DESIRES TO SUBSTITUTE FOR THOSE MENTIONED STANDARDS. WHERE NO SPECIFIC MAKE OF MATERIAL, APPARATUS OR APPLIANCE IS MENTIONED, ANY FIRST CLASS PRODUCT MADE BY REPUTABLE MANUFACTURER MAY BE USED, PROVIDING IT CONFORMS TO THE REQUIREMENTS OF THESE SPECIFICATIONS, IN THE OPINION OF AND MEETS THE APPROVAL OF THE ENGINEER. WHERE TWO OR MORE NAMES ARE GIVEN AS EQUALS, THE CONTRACTOR MUST USE ONE OF THE NAMED EQUALS. WHERE ONE NAME ONLY IS USED AND IS FOLLOWED BY THE WORD "OR APPROVED EQUAL" THE CONTRACTOR MUST USE THE ITEM NAMED, BUT HE MAY APPLY FOR SUBSTITUTION THROUGH THE PRESCRIBED MANNER.
C. WHERE THE CONTRACTOR PROPOSES TO USE AN ITEM OF EQUIPMENT OTHER THAN SPECIFIED OF DETAILED ON THE DRAWINGS WHICH REQUIRES ANY REDESIGN OF THE STRUCTURE, PARTITIONS, FOUNDATIONS WIRING, OR ANY OTHER PART OF THE MECHANICAL, ELECTRICAL OR DESIGNERURAL LAYOUT, ALL SUCH REDESIGN AND ALL NEW DRAWINGS AND DETAILING REQUIRED THEREFORE SHALL WITH THE APPROVAL OF THE ENGINEER, BE PREPARED UNDER WORK OF THE RESPECTIVE SECTION AT NO COST TO THE OWNER.
D. WHERE SUCH APPROVED DEVIATION REQUIRES A DIFFERENT QUANTITY AND ARRANGEMENT OF DUCTWORK, PIPING, WIRING, CONDUIT AND EQUIPMENT FROM THAT SPECIFIED OR INDICATED ON THE DRAWINGS, WITH THE APPROVAL OF THE ENGINEER, THE CONTRACTOR SHALL FURNISH AND INSTALL ANY SUCH DUCTWORK, PIPING, STRUCTURAL SUPPORTS, INSULATION, CONTROLLERS, MOTORS, STARTERS, AND ANY OTHER ADDITIONAL EQUIPMENT REQUIRED BY THE SYSTEM AT NO ADDITIONAL COST TO THE OWNER.

1.10 MANUFACTURER'S IDENTIFICATION:

A. MANUFACTURER'S NAMEPLATE, NAME OR TRADEMARK AND ADDRESS SHALL BE ATTACHED PERMANENTLY TO ALL EQUIPMENT AND MATERIAL FURNISHED UNDER THIS DIVISION. THE NAMEPLATE OF A CONTRACTOR OR DISTRIBUTOR SHALL NOT BE ACCEPTABLE.

1.11 SHOP DRAWINGS:

A. CONTRACTOR SHALL SUBMIT FOR REVIEW, DETAILED SHOP DRAWINGS OF ALL EQUIPMENT AND ALL MATERIAL REQUIRED TO COMPLETE THE PROJECT. NO MATERIAL OR EQUIPMENT MAY BE DELIVERED TO THE SITE OR INSTALLED UNTIL THE CONTRACTOR HAS IN HIS POSSESSION AN APPROVED SHOP DRAWING FOR THE PARTICULAR MATERIAL OR EQUIPMENT.
B. SHOP DRAWINGS SHALL BE SUBMITTED IN ACCORDANCE WITH THE REQUIREMENT OUTLINED IN THE GENERAL CONDITIONS OF THESE SPECIFICATIONS.
C. FAILURE OF THE CONTRACTOR TO SUBMIT SHOP DRAWINGS IN AMPLE TIME SHALL NOT ENTITLE HIM TO AN EXTENSION OF CONTRACT TIME AND NO CLAIM FOR EXTENSION BY REASON OF SUCH DEFAULT TO BE ALLOWED.
D. CATALOGUES, PAMPHLETS OR OTHER DOCUMENTS SUBMITTED TO DESCRIBED ITEMS ON WHICH APPROVAL IS REQUESTED, SHALL BE SPECIFIC AND IDENTIFICATION IN CATALOGUE, PAMPHLET, ETC. OF ITEM SUBMITTED SHALL BE CLEARLY MADE IN INK. DATA OF GENERAL NATURE WILL NOT BE ACCEPTED.
E. THE CONTRACTOR SHALL FURNISH ALL NECESSARY TEMPLATES, PATTERNS, ETC. FOR INSTALLATION WORK AND FOR THE PURPOSE OF MAKING ADJOINING WORK CONFORM, FURNISH SETTING PLANS AND SHOP DETAILS TO OTHER TRADES AS REQUIRED.
F. APPROVAL RENDERED ON SHOP DRAWINGS SHALL NOT BE CONSIDERED AS A GUARANTEE OF MEASUREMENTS OR BUILDING CONDITIONS. WHERE DRAWINGS ARE APPROVED, APPROVAL DOES NOT MEAN THAT DRAWINGS HAVE BEEN CHECKED IN DETAIL; SAID APPROVAL DOES NOT IN ANY WAY RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITY, OR NECESSITY IF FURNISHING MATERIAL OR PERFORMING WORK AS REQUIRED BY THE CONTRACT DRAWINGS AND SPECIFICATIONS. VERIFY AVAILABLE SPACE PRIOR TO SUBMITTING SHOP DRAWINGS.
G. APPROVAL OF SHOP DRAWINGS SHALL NOT APPLY TO QUANTITY NOR RELIEVE CONTRACTOR OF HIS RESPONSIBILITY TO COMPLY WITH INTENT OF DRAWINGS AND SPECIFICATIONS. APPROVAL OF SHOP DRAWINGS ARE FINAL AND NO FURTHER CHANGES WILL BE ALLOWED WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.

1.12 MATERIAL AND WORKMANSHIP:

A. ALL MATERIALS AND APPARATUS REQUIRED FOR THE WORK, EXCEPT AS SPECIFIED OTHERWISE, SHALL BE NEW, OF FIRST CLASS QUALITY AND SHALL BE FURNISHED, DELIVERED, CONNECTED AND FINISHED IN EVERY DETAIL AND SHALL BE SO SELECTED AND ARRANGED TO FIT PROPERLY INTO THE BUILDING SPACE. WHERE NO SPECIFIC KIND OF QUALITY OR MATERIAL IS GIVEN, A FIRST–CLASS STANDARD ARTICLE AS ACCEPTED BY THE ENGINEER, SHALL BE FURNISHED.
B. THE CONTRACTOR SHALL FURNISH THE SERVICES OF AN EXPERIENCED SUPERINTENDENT WHO SHALL BE CONSTANTLY IN CHARGE OF THE INSTALLATION OF THE WORK, TOGETHER WITH ALL SKILLED WORKMEN, FITTERS, METAL WORKERS, WELDERS, HELPERS, AND LABOR REQUIRED TO UNLOAD, TRANSFER, ERECT, CONNECT–UP, ADJUST, START, OPERATE AND TEST EACH SYSTEM.
C. UNLESS OTHERWISE SPECIFICALLY INDICATED ON THE PLANS OR SPECIFICATIONS, ALL EQUIPMENT AND MATERIALS SHALL BE INSTALLED WITH THE ACCEPTANCE OF THE ENGINEER IN ACCORDANCE RECOMMENDATIONS OF THE MANUFACTURER. THIS INCLUDES THE PERFORMANCE OF SUCH TESTS AS THE MANUFACTURER RECOMMENDS.

1.13 PROTECTION:

A. WORK UNDER THIS SECTION SHALL INCLUDE PROTECTING THE WORK AND MATERIALS OF ALL OTHER SECTIONS FROM DAMAGE BY WORK OR WORKMEN, AND SHALL INCLUDE MAKING GOOD ALL DAMAGE US CAUSED.
B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WORK AND EQUIPMENT UNTIL FINALLY INSPECTED, TESTED AND ACCEPTED; PROTECT WORK AGAINST THEFT, INJURY OR DAMAGE; AND CAREFULLY STORE MATERIAL AND EQUIPMENT RECEIVED ON SITE WHICH ARE NOT IMMEDIATELY INSTALLED. CLOSE OPEN ENDS OF WORK WITH TEMPORARY COVERS OR PLUGS DURING CONSTRUCTION TO PREVENT ENTRY OF OBSTRUCTING MATERIAL.
C. WORK UNDER THIS SECTION, INCLUDES RECEIVING, UNLOADING, UNCRATING, STORING, PROTECTING, SETTING IN PLACE AND CONNECTING UP COMPLETELY OF EQUIPMENT SUPPLIED UNDER THIS SECTION. WORK UNDER THIS SECTION SHALL ALSO INCLUDE EXERCISING SPECIAL CARE IN HANDLING AND PROTECTING EQUIPMENT AND FIXTURES AND SHALL INCLUDE THE COST OF REPLACING ANY OF THE ABOVE EQUIPMENT AND FIXTURES WHICH MISSING OR DAMAGED BY REASON OF MISHANDLING OR FAILURE TO PROTECT ON THE PART OF THE CONTRACTOR.

1.14 SLEEVES, INSERTS AND ANCHOR BOLTS:

A. THE CONTRACTOR SHALL PROVIDE, SET IN PLACE AND BE HELD RESPONSIBLE FOR THE LOCATION OF ALL SLEEVES, INSERTS, AND ANCHOR BOLTS REQUIRED FOR THEIR WORK. IN THE EVENT THAT FAILURE TO DO SO REQUIRES CUTTING AND PATCHING OF FINISHED WORK, IT SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.
B. ALL PIPES AND CONDUITS PASSING THROUGH FLOORS, WALLS, OR PARTITIONS, SHALL BE PROVIDED WITH SLEEVES HAVING AN INTERNAL DIAMETER 1 INCH LARGER THAN THE OUTSIDE DIAMETER OF THE PIPE, CONDUIT OR INSULATION, ENCLOSING PIPE OR CONDUIT.
C. SLEEVES THROUGH OUTSIDE WALLS SHALL BE CAST IRON SLEEVES WITH IMMEDIATE INTEGRAL FLANGE. SLEEVES SHALL BE SET WITH ENDS FLUSH WITH EACH FACE OF WALL. THE SPACE BETWEEN SLEEVE AND PIPE SHALL BE PACKED WITH OAKUM TO WITH TWO (2) INCHES OF EACH FACE OF WALL. THE REMAINING SPACE SHALL BE PACKED AND MADE WATERTIGHT WITH A WATERPROOF COMPOUND.
D. SLEEVES THROUGH CONCRETE FLOORS OR INTERIOR MASONRY WALLS SHALL BE SCHEDULE 40 BLACK STEEL PIPE, SST FLUSH WITH FINISHED WALL OR CEILING SURFACES, BUT EXTENDING TWO (2) INCHES ABOVE FINISHED FLOORS.
E. SLEEVES THROUGH INTERIOR PARTITIONS SHALL BE 22 GAUGE GALVANIZED SHEET STEEL, SET FLUSH WITH FINISHED SURFACES OF PARTITIONS.
F. INSERTS SHALL BE INDIVIDUAL OR STRIP TYPE OR PRESSED STEEL CONSTRUCTION WITH ACCOMMODATION FOR REMOVAL NUTS AND THREADED RODS UP TO 3/4" DIAMETER, PERMITTING LATERAL ADJUSTMENT. INDIVIDUAL INSERTS SHALL HAVE AN OPENING AT THE TOP TO ALLOW REINFORCING RODS UP TO ½" DIAMETER TO BE PASSED THROUGH THE INSERT BODY. STRIP INSERTS SHALL HAVE ATTACHED RODS HAVING HOOKED ENDS TO ALLOW FASTENING TO REINFORCING RODS. INSERTS SHALL BE AS MANUFACTURED BY CARPENTER AND PATTERSON, INC., GRINNEL CO., INC. OR APPROVED EQUAL.

1.15 NOT USED

1.33 RECORD DRAWINGS:

A. MAINTAIN AT THE JOB SITE A RECORD SET OF MECHANICAL DRAWINGS ON WHICH CHANGES IN LOCATION OF EQUIPMENT, PIPING, DUCTS, VALVES, CLEANOUTS, PANELS AND MAJOR CONDUITS SHALL BE RECORDED THESE SHALL BE CLEARLY MARKED ON A CLEAN SET OF SEPIA AT THE COMPLETION OF WORK AND TURN OVER TO THE ENGINEER.

END OF SECTION 15010

DIVISION 15 – MECHANICAL PLUMBING
SECTION 15400 – PLUMBING

PART 1.00 – GENERAL PROVISION

1.01 THE CONTRACTOR FOR WORK UNDER THIS SECTION IF REFERRED TO THE:

CONTRACT DRAWINGS, GENERAL CONDITIONS, CONTRACT SPECIFICATIONS, ALL OF WHICH ARE HEREBY MADE A PART OF THIS SECTION.

1.02 THE CONTRACTOR'S PARTICULAR ATTENTION IS DIRECTED TO THE "GENERAL:

NOTES", AND THE REQUIREMENT TO STRICTLY COMPLY WITH ALL THE PROVISIONS OF SAME.

1.03 WORK INCLUDED:

A. PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, SERVICES, ETC., NECESSARY OR REQUIRED FOR THE WORK OF THIS SECTION, AS INDICATED ON THE DRAWINGS, HEREIN SPECIFIED, AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. ITEMS OF WORK SHALL CONSIST GENERALLY OF, BUT NOT BE LIMITED TO THE FOLLOWING:
   1. SANITARY PIPING ABOVE AND BELOW GRADE.
   2. SANITARY VENT PIPING.
   3. DOMESTIC HOT AND COLD WATER PIPING.
   4. NATURAL GAS PIPING (IF REQUIRED).
   5. ALL VALVES, FITTINGS AND DEVICES ASSOCIATED WITH PIPING SYSTEMS.
   6. PIPE INSULATION.
   7. WATER HEATER
   8. BACKFLOW PREVENTER.
   9. PLUMBING FIXTURES AND FAUCETS.
   10. STOP VALVES.
   11. FLOOR DRAINS.
   12. ROOF DRAINS (IF REQUIRED)
   13. DOMESTIC WATER SERVICE.
   14. CONNECTIONS TO EQUIPMENT FURNISHED BY OTHERS.
   15. CONDENSATE DRAINS.
   16. INDIRECT WASTE DRAINS.
   17. TESTING.
   18. FURNISHING AND SETTING OF ALL SLEEVES THROUGH THE FLOORS, ROOF AND WALL, WHERE REQUIRED INCLUDING WATERPROOFING AND FIREPROOF SEALING AND CAP FLASHING.
   19. NOT USED.
   20. HARDWARE, SUCH AS INSERTS, BOLTS, ETC., ASSOCIATED WITH CONCRETE PADS.
   21. CUTTING ASSOCIATED WITH PLUMBING.
   22. PRIME PAINTING, WHERE REQUIRED FOR PLUMBING EQUIPMENT AND INSTALLATION.

1.04 RELATED WORK OF OTHER SECTIONS:

A. THE CONTRACTOR WILL BE REQUIRED TO COORDINATE THE RELATED WORK SECTIONS WITH THE WORK OF THIS SECTION AND BE RESPONSIBLE FOR THE TIMELY AND EXPEDITIOUS PERFORMANCE OF SAME. RELATED WORK SHALL INCLUDE BUT IS NOT NECESSARILY LIMITED TO THE FOLLOWING:
   1. FINISHED PAINTING EXCEPT AS NOTED.
   2. ELECTRICAL POWER WIRING, AND SETTING OF STARTERS.
   3. GAS VENTS BY MECHANICAL CONTRACTOR.

1.05 VERIFYING CONDITIONS:

A. EXAMINE ALL DRAWINGS COVERING THE WORK OF THIS SECTION AND REFER TO ALL OTHER DRAWINGS, INCLUDING DESIGNERURAL, MECHANICAL AND ELECTRICAL DRAWINGS, WHICH MAY AFFECT THE WORK OF THE SECTION OR REQUIRE COORDINATING WITH SAME.
B. REPORT IN WRITING TO THE DESIGNER ANY AND ALL CONDITIONS WHICH MAY INTERFERE OR OTHERWISE AFFECT OR PREVENT THE PROPER EXECUTION AND COMPLETION OF THE WORK.

1.06 SUBMITTALS:

A. SHOP DRAWINGS:
   1. PRIOR TO PURCHASING ANY EQUIPMENT OR MATERIALS, A LIST OF THEIR MANUFACTURERS SHALL BE SUBMITTED FOR APPROVAL.
   2. PRIOR TO ASSEMBLING OR INSTALLING THE WORK, THE FOLLOWING SHALL BE SUBMITTED FOR APPROVAL:
      a. PLUMBING FIXTURES & TRIM.
      b. PIPE INSULATION.
      c. FLOOR DRAINS.
      d. GAS VENT MATERIALS.
      e. FLOOR SINKS
      f. CLEANOUTS.
   3. DOCUMENTS WILL NOT BE ACCEPTED FOR APPROVAL UNLESS:
      a. FIVE COPIES OF EACH ARE SUBMITTED.
      b. ALL REQUIRED CERTIFICATES ARE SUBMITTED WITH APPROVAL.
      c. ALL SUBMITTALS CLEARLY MARKED.

1.08 FEES, PERMITS AND CERTIFICATES:

A. ALL FEES, PERMITS, TAXES OR CERTIFICATES REQUIRED BY GOVERNING BODIES OR ANY OTHER AGENCY AFFECTING THE WORK AS SPECIFIED HEREIN, OR REQUIRED FOR THE CERTIFICATE OF OCCUPANCY, SHALL BE OBTAINED AND PAID FOR BY THIS CONTRACTOR AS PART OF THE BASIC CONTRACT.

1.09 REMOVAL OF DEBRIS:

A. THIS CONTRACTOR SHALL REMOVE FROM THE BUILDING ALL SURPLUS MATERIALS AND ALL DEBRIS CREATED BY HIM AND SHALL LEAVE THE WORK AREA IN A CLEAN CONDITION.

1.10 CUTTING AND PATCHING:

A. CUTTING AND DRILLING: CONTRACTOR SHALL DO ALL CUTTING AND DRILLING OF WALLS, PARTITIONS, CEILING, FLOORS, ETC., AS NECESSARY FOR INSTALLATION OF THE NEW WORK, INCLUDING CUTTING OF HOLES AND OTHER OPENINGS FOR NEW WORK. CUTTING SHALL BE PERFORMED BY HAND OR SMALL POWER TOOLS; HOLES AND SLOTS CUT NEAT AND TO SIZE REQUIRED, WITH MINIMUM DISTURBANCE OF ADJACENT WORK; CUT HOLES IN CONCRETE SLABS FOR PIPES WITH CORE DRILLS OF PROPER SIZES. WHERE HOLES ARE CUT IN FLOORS, THE UNDERSIDE SHALL BE DUSTPROOFED TO CATCH ANY DEBRIS AND DUST WHICH MAY RESULT FROM THESE OPERATIONS AND TO PROTECT PERSONS FROM DAMAGES OR INJURIES. OPENINGS SHALL BE COVERED TEMPORARILY WHEN NOT IN USE AND PATCHED AS SOON AS WORK IS INSTALLED.
B. PATCHING AND REPAIRS:
   1. SURFACES AFFECTED BY PATCHING AND REPAIRING WORK SHALL BE RESTORED TO MATCH EXISTING ADJACENT SURFACES. WHERE WATERPROOF FLOORS ARE CUT, THIS CONTRACTOR SHALL PATCH AND REPAIR FLOORS IN SUCH A MANNER AS TO RESTORE THE ORIGINAL WATERPROOF CONDITION, AND AS DIRECTED BY THE DESIGNER.
C. RE–EXAMINATION AND COVERING UP OF WORK:
   1. RE–EXAMINATION OF QUESTIONED WORK MAY BE ORDERED BY THE DESIGNER, AND IF SO ORDERED, SUCH PART OF THE WORK MUST BE UNCOVERED BY THE CONTRACTOR. IF SUCH PART OF THE WORK BE FOUND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, THE OWNER SHALL PAY THE COST OF RE–EXAMINATION AND REPLACEMENT IF SUCH PART OF THE WORK BE FOUND NOT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL PAY SUCH COST AND ALSO THE COST OF

RETURN AIR PLENUM

MATERIALS EXPOSED WITHIN A DUCT OR PLENUM SHALL COMPLY WITH SECTION 602.2

MATERIALS WITHIN PLENUMS. EXCEPT AS REQUIRED BY SECTIONS 602.2.1.1 THROUGH 602.2.1.6, MATERIALS WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84 ORUL 723.

EXCEPTIONS:

1. RIGID AND FLEXIBLE DUCTS AND CONNECTORS SHALL CONFORM TO SECTION 603.

2. DUCT COVERINGS, LININGS, TAPE AND CONNECTORS SHALL CONFORM TO SECTIONS 603 AND 604.

3. THIS SECTION SHALL NOT APPLY TO MATERIALS EXPOSED WITHIN PLENUMS IN ONE- AND TWO-FAMILY DWELLINGS.

4. THIS SECTION SHALL NOT APPLY TO SMOKE DETECTORS.

5. COMBUSTIBLE MATERIALS FULLY ENCLOSED WITHIN CONTINUOUS NONCOMBUSTIBLE RACEWAYS OR ENCLOSURES, APPROVED GYPSUM BOARD ASSEMBLIES OR WITHIN MATERIALS LISTED AND LABELED FOR SUCH APPLICATION.

602.2.1.1 WIRING. COMBUSTIBLE ELECTRICAL OR ELECTRONIC WIRING METHODS AND MATERIALS, OPTICAL FIBER CABLE, AND OPTICAL FIBER RACEWAY EXPOSED WITHIN APLENUM SHALL HAVE A PEAK OPTICAL DENSITY NOT GREATER THAN 0.50, AN AVERAGE OPTICAL DENSITY NOT GREATER THAN 0.15, AND A FLAME SPREAD NOT GREATER THAN 5 FEET (1524 MM) WHEN TESTED IN ACCORDANCE WITH NFPA 262. ONLY TYPE OFNP (PLENUM RATED NONCONDUCTIVE OPTICAL FIBER CABLE) SHALL BE INSTALLED IN PLENUM-RATED OPTICAL FIBER RACEWAYS. WIRING, CABLE, AND RACEWAYS ADDRESSED IN THIS SECTION SHALL BE LISTED AND LABELED AS PLENUM RATED AND SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 70.

CONTROL WIRING

ELECTRICAL CONTRACTOR SHALL ENSURE RECEIPT OF CONTROL DEVICE WIRING SCHEMATICS FROM MANUFACTURER / SUPPLIER OF LIGHTING FIXTURES. E.C. SHALL BE RESPONSIBLE FOR ALL LOW VOLTAGE WIRING REQUIRED TO PROVIDE COMPLETE AND OPERABLE DIMMING / CONTROL SYSTEMS FOR ALL LIGHTING.

GENERAL LIGHTING NOTES

1. ALL RECESSED LIGHTING FIXTURES SHALL BE RATED FOR CONTACT WITH INSULATION.
2. LIGHT SWITCHES/CONTROLS TO BE MOUNTED AT 48" AFF TO CENTER OF CONTROL.
3. LIGHTING SWITCHES INSTALLED IN TOILET ROOMS SHALL BE MOUNTED AT 40" AFF TO CENTER OF CONTROL . COORDINATE WITH ELEVATIONS. DO NOT INSTALL ACROSS DISSIMILAR FINISHES.
4. ALL SWITCHES, RECEPTACLES AND FACE PLATES TO BE WHITE FINISH. PROVIDED AND INSTALLED BY E.C.
5. ALL EMERGENCY AND EXIT BATTERY BACKUP LIGHTING, BATTERY TO BE INSTALLED AHEAD OF ALL CONTROL. INSTALL PER MANUFACTURER WIRING DIAGRAM.
6. E.C TO CLEARLY (MECHANICALLY) LABEL ALL SWITCHES FOR DEVICE SERVED.

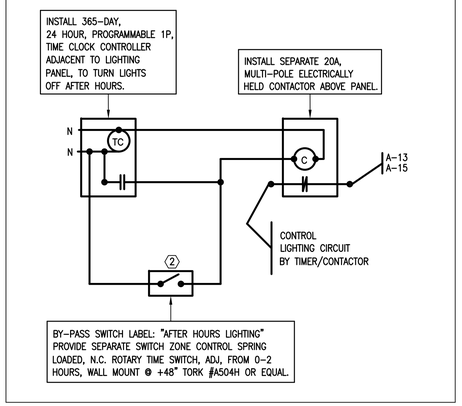
SHEET NOTES

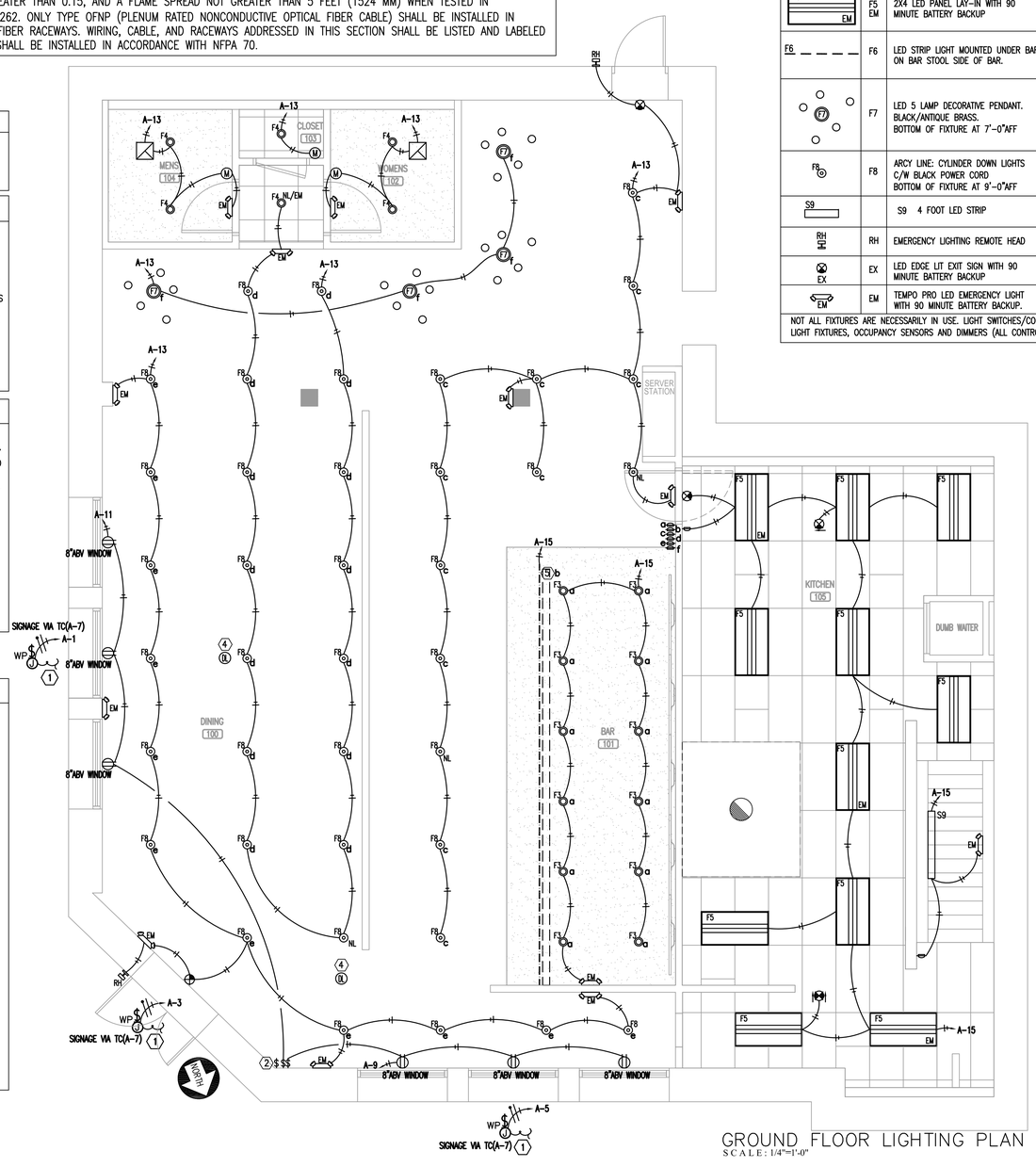
1. E.C. COORDINATE ALL FINAL SIGNAGE LOCATIONS IN THE FIELD BASED ON PERMIT APPROVED SIGN DRAWING AND SHOP DRAWING SPEC AS APPROVED BY LANDLORD AND TENANT; DOCUMENTS TO BE PROVIDED BY EXTERIOR SIGNAGE CONTRACTOR.
   EXTERIOR SIGNAGE W/DISCONNECT ON BY PHOTOCELL AND OFF BY TIME CLOCK.
2. AUTOMATIC INTERIOR LIGHTING TIME CLOCK 2 HOUR OVER RIDE.
3. NOT USED
4. DAY-LIT ZONES SHOWN ON PLANS AND LUMINARIES DESIGN SHALL BE IN COMPLIANCE WITH AUTOMATIC DAY-LIGHTING CONTROL
5. COORDINATE LED STRIP INSTALLATION WITH MILLWORK IN FIELD. INSTALL ON CUSTOMER SIDE OF BAR UNDER COUNTER. 4" FROM WALL BELOW.

SWITCH DESIGNATIONS

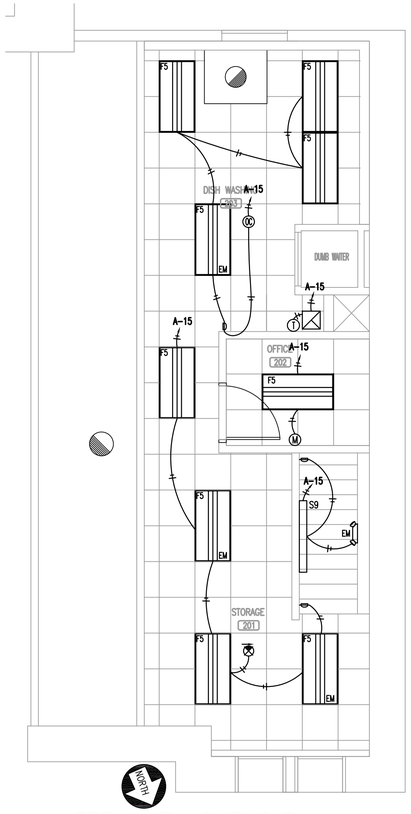
- $ STANDARD LIGHT SWITCH LUTRON CLARO
- 3$ 3 WAY LIGHT SWITCH LUTRON CLARO
- ◊ SLIDE DIMMER SWITCH LUTRON DIVA LED+ DIMMER SWITCH SWITCH FOR DIMMABLE LED SINGLE-POLE WHITE.
- 3◊ 3 WAY SLIDE DIMMER SWITCH LUTRON DIVA LED+ DIMMER SWITCH FOR DIMMABLE LED, 3-WAY, WHITE.
- (OC) CEILING MOUNTED OCCUPANCY SENSOR CONTROL WITH INTEGRAL ADJUSTABLE TIMER. SET TO MAX 20 MINUTES.
- (M) OCCUPANCY / MOTION SENSOR CONTROL WITH INTEGNAL ADJUSTABLE TIMER. SET TO MAX 30 MINUTES.
- (NL) CEILING MOUNTED DAY LIGHTING SENSOR CONTROL
- (T) ADJUSTABLE WALL TIMER, MAXIMUM 30 MINUTES

AUTOMATIC LIGHTING CONTROL





GROUND FLOOR LIGHTING PLAN
SCALE: 1/4"=1'-0"



MEZZANINE LIGHTING PLAN
SCALE: 1/4"=1'-0"

LIGHT FIXTURE LEGEND

E.C. TO PROVIDE AND INSTALL ALL REQUIRED COMPONENTS FOR A COMPLETE, OPERABLE AND CODE COMPLIANT INSTALLATION

	TYPE	DESCRIPTION	MANUFACTURER	MODEL NO.	LAMPS
F3	F3	CANLESS DOWNLIGHT	ENVISION LED	LED-DLJBX-4RG-15W-5CCT-WH-R 3@-DLJBX-4RG-TRIM-BLK-R CUNV-NC-ICAT-7H	15.0 WATT LED DIMMABLE
F4	F4	CMD-LINE COMMERCIAL DOWNLIGHT	ENVISION LED	LED-CMD-4-3M19-5CCT-UNV CMD-TRIM-4-HZ-SM	9.0 WATT LED DIMMABLE
F5	F5	2X4 LED PANEL LAY-IN	ENVISION LED	LED-BPL-2X4-3M50-5CCT-HL	40.0 WATT LED DIMMABLE
F5 EM	F5 EM	2X4 LED PANEL LAY-IN WITH 90 MINUTE BATTERY BACKUP	ENVISION LED	LED-BPL-2X4-3M50-5CCT-HL EMB	40.0 WATT LED DIMMABLE
F6	F6	LED STRIP LIGHT MOUNTED UNDER BAR ON BAR STOOL SIDE OF BAR.	DIODE LED	D1-24V-BLBSC1-30-W016 D1-ODX-24V-60W-J	1.6W/FT LED DIMMABLE
F7	F7	LED 5 LAMP DECORATIVE PENDANT. BLACK/ANTIQUE BRASS. BOTTOM OF FIXTURE AT 7'-0"AFF	MAXIMUM LIGHTING	EARLY ELECTRIC 12125BKAB	(5) 9 WATT LED
F8	F8	ARCY LINE: CYLINDER DOWN LIGHTS C/W BLACK POWER CORD BOTTOM OF FIXTURE AT 9'-0"AFF	ENVISION LED	LED-CACM-4-3P15-5CCT-BL-UNV-7 FOOT STEM CACM-DP-PDM-BL	10.0 WATT LED
S9	S9	4 FOOT LED STRIP	ENVISION LED	LED-RSCN-4FT-3P50-5CCT-EMB	30.0 WATT LED
RH	RH	EMERGENCY LIGHTING REMOTE HEAD	EXITRONIX	JLED1 BLK	1.0 WATT LED
EX	EX	LED EDGE LIT EXIT SIGN WITH 90 MINUTE BATTERY BACKUP	EXITRONIX	S900UM-UNIVERSAL	INTEGRAL LED
EM	EM	TEMPO PRO LED EMERGENCY LIGHT WITH 90 MINUTE BATTERY BACKUP.	EXITRONIX	LED-52	INTEGRAL LED

NOT ALL FIXTURES ARE NECESSARILY IN USE. LIGHT SWITCHES/CONTROLS TO BE MOUNTED AT 48" A.F.F. TO CENTER OF CONTROL.
LIGHT FIXTURES, OCCUPANCY SENSORS AND DIMMERS (ALL CONTROLS) SUPPLIED BY GC/EC, INSTALLED BY GC/EC

CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BID AND REPORT ANY DISCREPANCIES BACK TO OWNER. G.C. SHALL COORDINATE ALL SUB CONTRACTORS AND ENSURE A COMPLETE FULLY CODE COMPLIANT AND PROFESSIONALLY FINISHED TENANT SPACE.

ISSUED / REVISIONS:

STATE OF NEW YORK · ERIC ENGELL · 081398 · LICENSED PROFESSIONAL ENGINEER
10/30/2025

ENGINEERING AND DESIGN PLLC
PO Box 213 (Kelling)
4236 HWY 36S0
Annville, KY 40402
Phone (606)-364-2886
Fax (606)-364-5100
E-Mail: eric@emrengineers.com
Web Address: emrengineers.com
FIRM 23179

ONE!
ARCHITECTURE
8686 N. Central Ave. Suite 166
Phoenix, Arizona 85020
Phone: 602.266.2712
Fax: 602.266.1688
www.ONEarchitecture.us
Architect: Dustin Curtis

RIKO'S THIN CRUST PIZZA
124 CHATSWORTH AVE
LARCHMONT, NEW YORK 10538

CHECKED BY:	Staff
DRAWN BY:	Staff
DATE:	OCTOBER 30, 2025
SCALE:	PER PLAN
PROJECT No.:	RP 2601

SHEET TITLE
ELECTRICAL LIGHTING PLAN

SHEET No.
E2.01

SHEET NOTES

1. RECEPTACLE ABOVE CEILING FOR WIRELESS HUB. G.C./E.C. TO PROVIDE AND INSTALL ADDITIONAL SHELF ABOVE CEILING FOR HUB.
2. COORDINATE TV LOCATIONS WITH LOCAL AV VENDOR FOR CABLING REQUIREMENTS. RECEPTACLE LOCATIONS AND HEIGHTS ETC. COORDINATE FINAL TV SIZE MOUNTING BRACKET SPECS PER FRANCHISE REQUIREMENTS.
3. ALL TV RECEPTACLES AND DATA OUTLETS TO BE RECESSED IN WALL. 2-GANG RECESSED TV MEDIA BOX KIT. INSTALL AT 67"AFF.
4. PROVIDE USB TYPE A AND TYPE C OUTLET. OUTLETS UNDERNEATH BAR TO BE MOUNTED HORIZONTALLY. SEE ARCH. ELEVATIONS FOR LOCATIONS.
5. ALL NEW AND EXISTING OUTLETS MOUNTED ON WOOD PANELED WALLS TO BE BLACK WITH BLACK COVER PLATE.
6. PROVIDE HARDWIRE CONNECTION FOR SENSOR FAUCETS.
7. MAINTAIN EXISTING DEMISING WALL FIRE RATING (IF ANY). INSTALL FIRE RATED PUTTY PADS SHALL BE INSTALLED PER CBC 714.4.
8. SAWCUT FLOOR AND INSTALL (1) 3/4" CONDUIT FOR POWER AND (1) 3/4" CONDUITS FOR DATA. COORDINATE PATCHWORK WITH GENERAL CONTRACTOR AND ANY BELOW GRADE UTILITIES PRIOR TO CUTTING FLOOR.
9. 60" WIDE X 44" TALL 3/4" PLYWOOD PHONE BOARD PAINTED TO MATCH ADJACENT FINISH. INSTALL TOP OF PHONE BOARD TIGHT TO CEILING ABOVE. INSTALL QUAD RECEPTACLES BELOW PHONE BOARD AT 88" TO THE TOP OF RECEPTACLE (TOP OF RECEPTACLES AT THE BOTTOM OF PHONE BOARD).

TV MOUNT

G.C. TO PROVIDE FIRE TREATED BLOCKING FOR TV MOUNTS ACROSS 3 STUD BAYS.

TRENCHING

E.C. TO COORDINATE WITH GC FOR TRENCHING AS REQUIRED TO CONCEAL WIRE AND CONDUIT FEEDING FREE STANDING COUNTERS.
CONDUITS REQUIRING TRENCHING SHALL BE IDENTIFIED AND FIELD SURVEYED PRIOR TO CUTTING OR CHOPPING TO INSURE NO ELECTRICAL, MECHANICAL OR STRUCTURAL BUILDING SYSTEMS ARE DISTURBED.

ELECTRICAL EQUIPMENT SCHEDULE

ITEM NO.	QTY	DESCRIPTION	SUPPLIER	VOLTS	PHASE	AMPS	WATTS	HP	ELEC AFF	CONN. TYPE	ELECTRICAL REMARKS
1	1	CONVEYOR PIZZA OVEN, GAS, THREE DECK	BOELTER	3)120 V	1	3)5.5A				DIRECT	POINT OF CONNECTION PER EACH DECK, 16". 36", & 56"
2	1	EXHAUST HOOD	BOELTER	120 V	1	20.0 A	3)5.5			DIRECT	(ELEC. CONN. AT 120"/48"); SEE NOTE EF, EH & MANUFACTURER'S SHOP DRAWINGS.
2.1	1	FIRE SUPPRESSION SYSTEM	BOELTER	120 V	1	20.0 A			120"	DIRECT	SEE FIRE PROTECTION NOTES, DETAILS & MFR'S SHOP DRAWINGS
3	1	PIZZA PREP COOLER	BOELTER	120 V	1	7.2 A	1180 W	1/2		NEMA 5-15P	
3.2	1	PREP COOLER	BOELTER	120 V	1	3.5 A	403 W	1/5	24"	NEMA 5-15P	
3.3	1	PREP COOLER	BOELTER	120 V	1	7.2 A	1180 W	1/2	24"	NEMA 5-15P	
4	1	DOUGH SHEETER	BOELTER	120 V	1	7.5 A	863 W	3/4	48"	DIRECT	SEE NOTE EG. EC TO STUB-OUT AND WIRE FROM JB TO EQUIPMENT AS REQ'D.
7	1	AUTO SAUCER	BOELTER	120 V	1	2.5 A	275 W		24"	NEMA 5-15P	
9	1	CHEESE SHREDDER	BOELTER	208 V	3	15.0 A		3	48"	NEMA L15-20R	
19	1	DISHMACHINE, HIGH-TEMP, VENTLESS	BOELTER	208 V	3	49.0 A	10192 W		84"	DIRECT	SEE NOTE EG. EC TO STUB-OUT AND WIRE FROM JB TO EQUIPMENT AS REQ'D.
22	1	ICE MAKER	BOELTER	120 V	1	13.2 A	1518 W		60"	DIRECT	SEE NOTE EG. EC TO STUB-OUT AND WIRE FROM JB TO EQUIPMENT AS REQ'D.
23	1	SODA SYSTEM - BAG IN A BOX	OTHERS	120 V	1	20.0 A			84"		VERIFY REQUIRMENTS WITH SUPPLIER.
24	2	CONVECTION OVEN, DOUBLE	BOELTER	208 V	3	30.0 A	8320 W		48"	NEMA 15-30P	POINT OF CONNECTION PER EACH UNIT, 36" & 48"
27	1	REFRIGERATOR, GLASS DOOR MERCHANDISER	OTHERS	120 V	1	3.4 A	391 W		36"	NEMA 5-15P	VERIFY REQUIRMENTS WITH SUPPLIER.
29	1	FOOD WARMING SHELF UNIT	BOELTER	120 V	1	11.7 A	1406 W		36"	NEMA 5-15P	
31	1	FREEZER, REACH-IN	BOELTER	208 V	1	6.2 A		1	96"	NEMA L14-20P	
32	1	WALK-IN COOLER	BOELTER	120 V	1	20.0 A			120"	DIRECT	SEE NOTES EB, EC & DETAILS RI-1100 & RI-1110; SEE MFR'S SHOP DRAWINGS.
32.1	1	WALK-IN BEER COOLER EVAPORATOR COIL	BOELTER	120 V	1	5.0 A			120"	DIRECT	SEE NOTES EB, EC & MANUFACTURER'S SHOP DRAWINGS
32.2	1	WALK-IN COOLER EVAPORATOR COIL	BOELTER	120 V	1	5.0 A			120"	DIRECT	SEE NOTES EB, EC & MANUFACTURER'S SHOP DRAWINGS
32.3	1	WALK-IN COOLER CONDENSING UNIT	BOELTER	208 V	3	20.0 A		1		DIRECT	VERIFY LOCATION WITH ARCHITECT
32.4	1	WALK-IN BEER COOLER CONDENSING UNIT	BOELTER	208 V	3	20.0 A		1		DIRECT	VERIFY LOCATION WITH ARCHITECT
32.5	1	HEAT TAPE	OTHERS (EC)	120 V	1	5.0 A	600 W		12"	DIRECT	SEE DETAILS RI-1100 & RI-1110.
52	1	BEER LINE CHILLER	OTHERS	120 V	1	12.1 A	1392 W		84"	NEMA 5-15P	VERIFY REQUIRMENTS WITH SUPPLIER. VERIFY LOCATION WITH ARCHITECT
B06	1	UNDERBAR GLASSWASHER, HIGH-TEMP	BOELTER	208 V	1	33.0 A	5300 W		24"	DIRECT	SEE NOTE EG. EC TO STUB-OUT AND WIRE FROM JB TO EQUIPMENT AS REQ'D.
B09	1	MUG FROSTER	BOELTER	120 V	1	5.5 A		1/3	24"	NEMA 5-15P	
B32	2	BACK BAR COOLER, GLASS DOORS	BOELTER	120 V	1	2.5 A	288 W		24"	NEMA 5-15P	

RETURN AIR PLENUM

MATERIALS EXPOSED WITHIN A DUCT OR PLENUM SHALL COMPLY WITH SECTION 602.2

MATERIALS WITHIN PLENUMS. EXCEPT AS REQUIRED BY SECTIONS 602.2.1.1 THROUGH 602.2.1.6, MATERIALS WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84 ORUL 723.

EXCEPTIONS:

1. RIGID AND FLEXIBLE DUCTS AND CONNECTORS SHALL CONFORM TO SECTION 603.
2. DUCT COVERINGS, LININGS, TAPE AND CONNECTORS SHALL CONFORM TO SECTIONS 603 AND 604.
3. THIS SECTION SHALL NOT APPLY TO MATERIALS EXPOSED WITHIN PLENUMS IN ONE- AND TWO-FAMILY DWELLINGS.
4. THIS SECTION SHALL NOT APPLY TO SMOKE DETECTORS.
5. COMBUSTIBLE MATERIALS FULLY ENCLOSED WITHIN CONTINUOUS NONCOMBUSTIBLE RACEWAYS OR ENCLOSURES, APPROVED GYPSUM BOARD ASSEMBLIES OR WITHIN MATERIALS LISTED AND LABELED FOR SUCH APPLICATION.

602.2.1.1 WIRING. COMBUSTIBLE ELECTRICAL OR ELECTRONIC WIRING METHODS AND MATERIALS, OPTICAL FIBER CABLE, AND OPTICAL FIBER RACEWAY EXPOSED WITHIN APLENUM SHALL HAVE A PEAK OPTICAL DENSITY NOT GREATER THAN 0.50, AN AVERAGE OPTICAL DENSITY NOT GREATER THAN 0.15, AND A FLAME SPREAD NOT GREATER THAN 5 FEET (1524 MM) WHEN TESTED IN ACCORDANCE WITH NFPA 262. ONLY TYPE OFNP (PLENUM RATED NONCONDUCTIVE OPTICAL FIBER CABLE) SHALL BE INSTALLED IN PLENUM-RATED OPTICAL FIBER RACEWAYS. WIRING, CABLE, AND RACEWAYS ADDRESSED IN THIS SECTION SHALL BE LISTED AND LABELED AS PLENUM RATED AND SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 70.

NOTE: ALL TV AND DATA OUTLETS ARE TO BE RECESSED.

COMMUNICATION WIRING

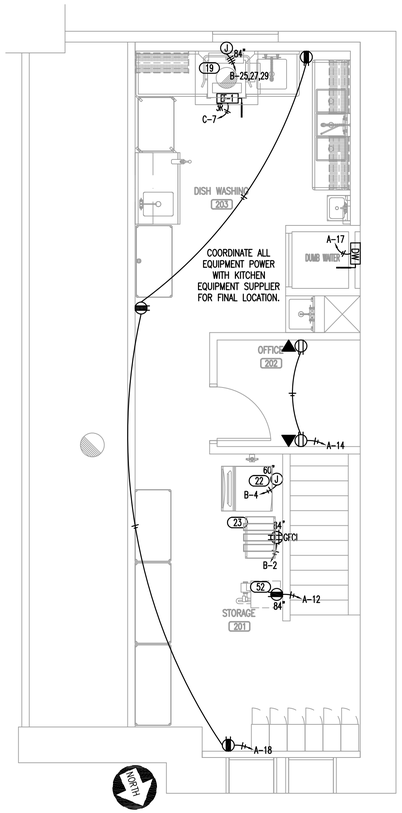
- ALL VOICE/DATA WIRING TO BE CAT 6 RATED. (MIN) 2 HOME RUN TO EACH, PHONE, DATA OR FAX.
- PATCH PANEL AND PHONE BLOCK BY VENDOR. INSTALLED BY EC.
- ALL WIRING TO BE CLEARLY MARKED ON BOTH ENDS WITH MACHINE PRINTED WIRE NUMBERS
- ALL VOICE / DATA JACKS TO BE CLEARLY LABELED WITH MACHINE PRINTED LABELS
- LOW VOLTAGE WIRING SHALL BE COLOR CODED PER INDUSTRY STANDARD
- TELEPHONE SYSTEM MUST BE CAPABLE OF 4 VOICE LINES AND A DEDICATED HIGH SPEED INTERNET CONNECTION.
- WIRING SHALL TERMINATE AT PHONE/ DATA BOARD
- G.C. SHALL BE RESPONSIBLE TO COMPLETE INSTALLATION OF COMMUNICATION SERVICES WITHIN SPACE.

GENERAL NOTES

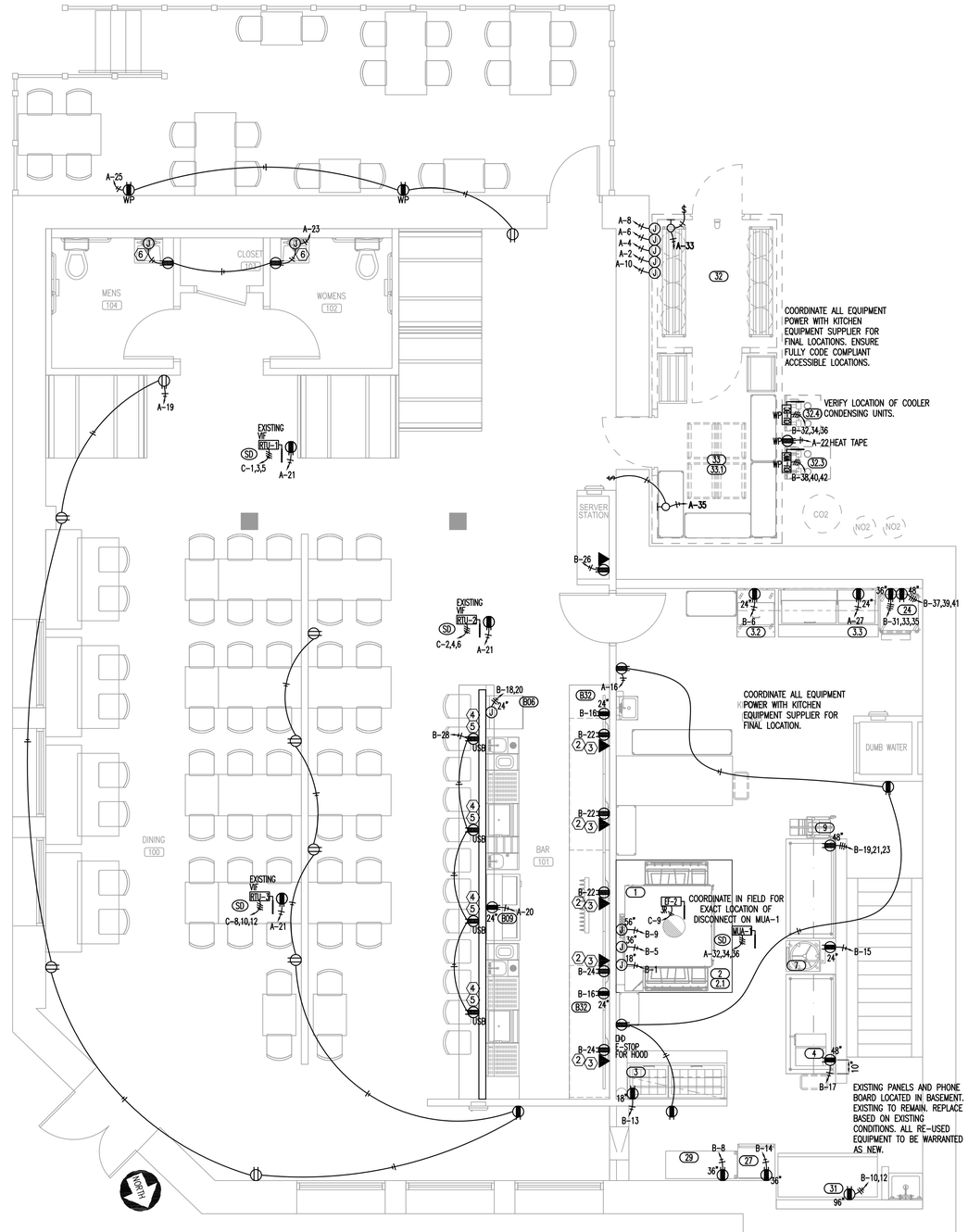
1. BRANCH CIRCUIT WIRING SHALL BE AS FOLLOWS:
   A. LIGHTING AND POWER NETWORKS: (120/208V, 3ø, 4W)
      1) 100 FEET OR LESS:
         PHASE - 3#12 AWG
         NEUTRAL - 1#12 AWG
         GROUND - 1#12 AWG
      2) GREATER THAN 100 FEET:
         INCREASE ALL CONDUCTORS BY ONE WIRE GUAGE SIZE.
      3) TWO NETWORKS MAXIMUM PER CONDUIT.
2. PROVIDE SINGLE GANG JUNCTION BOX FOR EACH TELEPHONE LOCATION WITH 3/4" CONDUIT STUBBED TO 6" ABOVE CEILING EXTEND TELEPHONE FROM OUTLET TO TELEPHONE BOARD LOCATION PER PLAN.
3. MINIMUM CONDUIT SIZE SHALL BE 3/4", UNLESS OTHERWISE NOTED OR INDICATED.

ELECTRICAL SYMBOLS

	POWER PANELBOARD OR DISTRIBUTION PANEL 3/4" GIS FIRE TREATED PLYWOOD. PAINTED TO MATCH ADJACENT FINISH
RECEPTACLES & OUTLETS (MOUNT CENTER OF BOX AT 18" AFF U.N.O.)(ALL DIM NOTED TO CENTER OF BOX)	
	DUPLEX RECEPTACLE, 20A, 120V, 3 WIRE GROUNDED TYPE
	DOUBLE DUPLEX RECEPTACLE OUTLET, MTD., IN 2-GANG BOX W/SINGLE COVER PLATE ALL POWER WITHIN 6'-0" OF WATER SOURCE TO BE GFCI RATED.
	DOUBLE DUPLEX RECEPTACLE OUTLET, MTD., IN 2-GANG BOX W/SINGLE COVER PLATE TO BE GFCI RATED. TWIST LOCK.
	GFCI DUPLEX RECEPTACLE, 20A, 120V, 3 WIRE GROUNDED TYPE
USB	RECEPTACLE - LEVITON T5832-W WALL DUPLEX USB CHARGER/20A RECEPTACLE -120V-TWO VERTICAL USB PORTS, 3.6A CHARGING CAPACITY, SMART CHIP 18"AFF OR AS NOTED ON PLANS.
	COMMUNICATION - DUPLEX DATA (ETHERNET) JACK (2 RUNS) (RJ45) (CAT5E OR BETTER)
	COMMUNICATION - DUPLEX PHONE JACK (RJ45) (CAT5E OR BETTER)
	COMMUNICATION - PHONE / DATA OUTLET (WHITE) (2 SEPERATE RUNS) (RJ45) (CAT5E OR BETTER)
J	JUNCTION BOX
FIRE ALARM DEVICES	FIRE ALARM DIFFERED PERMIT SUBMITTAL BY LOCAL LICENSED SUB CONTRACTOR
FAA	FIRE ALARM ANNUNCIATOR
SD	SMOKE DETECTOR
F	STROBE LIGHTS (12" BELOW CEILING)
	MANUAL PULL STATION (44" AFF)
	HORN / STROBE (12" BELOW CEILING)
SS	SUPERVISORY VALVE TAMPER SWITCH
WF	SPRINKLER FLOW SWITCH
SD	DUCT SMOKE DETECTOR



MEZZANINE POWER PLAN
SCALE: 1/4"=1'-0"



GROUND FLOOR POWER PLAN
SCALE: 1/4"=1'-0"

CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BID AND REPORT ANY DISCREPANCIES BACK TO OWNER. G.C. SHALL COORDINATE ALL SUB CONTRACTORS AND ENSURE A COMPLETE FULLY CODE COMPLIANT AND PROFESSIONALLY FINISHED TENANT SPACE.

ISSUED / REVISIONS:

STATE OF NEW YORK · ERIC ENGELN · LICENSED PROFESSIONAL ENGINEER · 081395 · 10/30/2025

ENGINEERING AND DESIGN PLLC
PO Box 213 (Kelling)
4236 HWY 36S0
Annville, KY 40402
FIRM 23179
Phone (606)-364-2886
Fax (606)-364-5100
E-Mail: eric@emrengineers.com
Web Address: emrengineers.com

ONE!
ARCHITECTURE
8686 N. Central Ave, Suite 166
Phoenix, Arizona 85020
Phone: 602.266.2712
Fax: 602.266.1688
www.ONEarchitecture.us
Architect: Dustin Curtis

RIKO'S THIN CRUST PIZZA
124 CHATSWORTH AVE
LARCHMONT, NEW YORK 10538

CHECKED BY:	Staff
DRAWN BY:	Staff
DATE:	OCTOBER 30, 2025
SCALE:	PER PLAN
PROJECT No.:	RP 2601

SHEET TITLE
ELECTRICAL POWER PLAN

SHEET No.
E2.02

GENERAL NOTES

1. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL AND STATE CODES.
2. ALL MATERIAL, EQUIPMENT AND APPLIANCES SHALL BE NEW AND SHALL CONFORM TO THE STANDARDS OF THE UNDERWRITER'S LABORATORIES, INC. AND THE NATIONAL MANUFACTURER'S ASSOCIATION.
3. ALL ELECTRICAL PERMITS AND INSPECTION FEES SHALL BE OBTAINED AND PAID FOR BY THE ELECTRICAL CONTRACTOR.
4. ELECTRICAL CONTRACT DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF ELECTRICAL EQUIPMENT. DO NOT SCALE ELECTRICAL PLANS. OBTAIN ALL DIMENSIONS FROM THE ARCHITECT'S DIMENSIONED DRAWINGS AND FIELD MEASUREMENTS. THE CONTRACTOR SHALL REVIEW ARCHITECTURAL PLANS FOR DOOR SWINGS AND BUILT-IN EQUIPMENT; CONDITIONS INDICATED ON THOSE PLANS SHALL GOVERN FOR THIS WORK.
5. VERIFY ALL REQUIREMENTS AND COORDINATE EXACT LOCATION OF ELECTRICAL SERVICE WITH LOCAL POWER COMPANY PRIOR TO PROJECT START. NOTIFY ENGINEER OF ANY CHANGES.
6. ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS FOR ONE YEAR EFFECTIVE FROM CERTIFICATE OF OCCUPANCY.
7. A COMPLETE GROUNDING SYSTEM SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH ARTICLE 250 OF THE NEC, AND AS SHOWN ON THE DRAWINGS.
8. ALL CUTTING PATCHING REQUIRED FOR INSTALLATION OF ELECTRICAL EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. DO NOT CUT ANY MATERIAL THAT WILL WEAKEN THE STRUCTURE WITHOUT WRITTEN PERMISSION OF THE ARCHITECT. PATCHING SHALL BE ACCOMPLISHED TO MATCH ADJACENT SURFACES IN EVERY RESPECT. ENGAGE ORIGINAL INSTALLER FOR CUTTING/PATCHING OF ROOFS.
9. PROVIDE A TYPED DIRECTORY IN ALL PANELBOARDS CLEARLY DESCRIBING THE LOCATION AND TYPE OF LOAD SERVED FOR ALL CIRCUITS.
10. PROVIDE ENGRAVED PHENOLIC NAMEPLATES FOR ALL PANELBOARDS AND DISCONNECT SWITCHES, WHITE LETTERS ON BLACK BACKGROUND. NAMEPLATE SHALL CONTAIN EQUIPMENT DESIGNATION, VOLTAGE, FEEDER SOURCE & DATE.
11. PROVIDE "FLASH HAZARD" LABELS FOR ALL PANELBOARDS IN ACCORDANCE WITH NEC REQUIREMENTS.
12. ALL TERMINALS/LUGS SHALL BE 60 DEGREES/75 DEGREE RATED.
13. FUSES 0-600 AMPS SHALL BE UL CLASS "RK-5" LOW PEAK DUAL ELEMENTS TIME DELAY WITH 200,000 AMPERE INTERRUPTING RATING AS MANUFACTURED BY BUSSMAN UNLESS NOTED OTHERWISE.
14. ALL WATER HEATERS SHALL HAVE DISCONNECT SIZED PER 422.22(E)(3).
15. ELECTRICAL CONTRACTOR SHALL MAKE ALL FINAL ELECTRICAL CONNECTIONS TO EQUIPMENT REGARDLESS OF WHO SUPPLIES THE EQUIPMENT. THIS INCLUDES ALL HVAC, PLUMBING AND OWNER FURNISHED EQUIPMENT CONNECTIONS OF 120V OR HIGHER.
16. RACEWAYS SHALL BE INSTALLED CONCEALED IN NEW WALL CONSTRUCTION, ABOVE CEILINGS, BELOW FLOOR AND IN OTHER CAVITIES TO THE GREATEST EXTENT POSSIBLE. WHERE EXPOSED RACEWAYS MUST BE USED, LAYOUT RACEWAYS TO MINIMIZE THE NUMBER OF VERTICAL RUNS.
17. ALL EXPOSED RACEWAYS SHALL BE RUN PARALLEL TO THE BUILDING SURFACES AND SHALL BE PAINTED AS DIRECTED BY THE ARCHITECT. NO EXPOSED CONDUIT SHALL BE ALLOWED IN FINISHED SPACES EXCEPT AS PERMITTED BY THE OWNER OR ARCHITECT. EXPOSED RACEWAY IN FINISHED SPACES SHALL BE WIREMOLD TYPE.
18. BEFORE COMMENCING WITH ANY ROUGH-IN, COORDINATE THE EXACT LOCATION AND MOUNTING HEIGHT OF ALL WALL MOUNTED DEVICES WITH THE ARCHITECTURAL INTERIOR ELEVATIONS, CASEWORK, SHOP DRAWINGS, AND EXISTING CONDITIONS. IF ANY DISCREPANCIES ARE DISCOVERED, NOTIFY THE ARCHITECT FOR FURTHER DIRECTION. MINOR ADJUSTMENTS IN DEVICE LOCATION, 1. 5'-0" IN ANY DIRECTION SHALL BE DONE AT NO ADDITIONAL COST TO THE CONTRACT.
19. ALL WIRING SHALL BE INSTALLED IN IMC, RMC, EMT OR TYPE AC FLEXIBLE CABLE. RNC CONDUIT (PVC) SHALL ONLY BE USED UNDERGROUND AND OUTDOORS, WHERE NOT SUBJECT TO PHYSICAL DAMAGE. MINIMUM SIZE CONDUIT SHALL BE 3/4". AC FLEXIBLE CABLE SHALL BE USED ONLY IN AREAS PERMITTED BY CODE.
20. ALL FLEX SHALL BE LIQUID TIGHT FLEXIBLE METAL.
21. PROVIDE A PULL WIRE OR FISH TAPE IN ALL EMPTY CONDUITS. PROVIDE A BLANK COVER PLATE OVER ALL UNUSED BOXES INCLUDING DATA/COMM BOXES.
22. WHERE A SINGLE HOMERUN IS SHOWN THE CIRCUIT SHALL BE INSTALLED IN A DEDICATED CONDUIT, DO NOT COMBINE WITH OTHER CIRCUITS. WHERE A CIRCUIT HOMERUN IS NOT SHOWN THE CONTRACTOR SHALL COMBINE CIRCUITS, WHERE A CIRCUIT HOMERUN IS NOT SHOWN THE CONTRACTOR SHALL COMBINE CIRCUITS AS FOLLOWS AND IN ACCORDANCE WITH THE NEC:
    A MAXIMUM OF THREE 20A., 1POLE BRANCH CIRCUITS MAY BE COMBINED IN A COMMON HOMERUN SHARING A COMMON NEUTRAL OR WITH SEPARATE NEUTRALS, FOR A TOTAL OF SIX CURRENT CARRYING CONDUCTORS. ALL BRANCH CIRCUITS LARGER THAN 20A. SHALL BE SEPARATE HOMERUN TO PANEL.
23. CONDUCTORS SHALL BE COPPER, RATED AT NO LESS THE 600 VOLTS. MINIMUM SIZE SHALL BE NO. 12 AWG UNLESS OTHERWISE NOTED ON THE DRAWINGS. ALL WIRE #8 AWG AND LARGER SHALL BE STRANDED, #10 THRU #12 AWG CONDUCTORS SHALL BE SOLID. ALL INSULATION TYPES SHALL BE THWN OR THHN.
24. 20A/120V BRANCH CIRCUITS EXCEEDING 100' IN LENGTH FROM PANEL TO FARTHEST DEVICE SHALL USE NO. 10 CONDUCTORS AND 3/4"C.
25. FOR EVERY WORKING DEVICE MARK THE BRANCH CIRCUIT TO WHICH IT IS CONNECTED ON THE BACK OF EACH DEVICE PLATE, USING AN INDELIBLE MARKER PEN.
26. NOT USED.
27. EXACT LOCATION OF ALL FLOOR-MOUNTED OUTLETS SHALL BE COORDINATED WITH THE ARCHITECT BEFORE ROUGH-IN.
28. TWO OR MORE ADJACENT POWER OR COMMUNICATION RECEPTACLES SHALL BE GANGED WITH A COMMON FACE PLATE - IF THEY CAN NOT BE GANGED THEY SHALL BE INSTALLED WITH A MINIMUM DISTANCE BETWEEN UNITS.
29. WALL RECEPTACLES SHOWN BACK TO BACK MAY BE OFFSET BUT SHALL BE INSTALLED DIRECTLY ADJACENT TO ONE ANOTHER.
30. LIGHT SWITCHES SHALL BE NO MORE THAN 6" FROM EDGE OF DOOR FRAME.
31. WHERE PENETRATIONS ARE MADE THROUGH A REQUIRED FIRE-RESISTIVE WALL, OR PARTITION FOR THE PURPOSE OF RUNNING RACEWAY CARRYING ELECTRICAL, TELEPHONE, TELEVISION, OR LOCAL COMMUNICATION AND/OR SIGNALING CIRCUITS, THE OPENING AROUND THE RACEWAY SHALL BE FIRE STOPPED PER THE STATE BUILDING CODE. COORDINATION WITH THE GENERAL CONTRACTOR SHALL BE MAINTAINED TO INSURE THAT THIS FIRE STOPPING IS ACCOMPLISHED. USE APPROVED ASSEMBLIES SUCH AS THE FOLLOWING:
    * CONDUIT PENETRATIONS OF 1,2,3, & 4 HOUR GYP BOARD WALLS - U.L.#WL1001
    * CONDUIT PENETRATIONS OF 2,3, & 4 HOUR CONCRETE OR BLOCK WALLS - U.L.#CAJ1001
    * CONDUIT PENETRATIONS OD 2,3,& 4 HOUR CONCRETE FLOORS - U.L.#CAJ1001
    * CONDUIT PENETRATIONS OF 1 HOUR GYP BOARD CEILING ASSEMBLY - L526
    * MULT. CONDUIT PENETRATIONS OF 2,3,& 4 HOUR CONCRETE OR BLOCK WALL OR FLOOR - CAJ1042
32. IN REQUIRED FIRE RATED WALLS AND PARTITIONS, OPENINGS FOR INSTALLATION OF OF BOXES THAT ARE GREATER THAN 16 SQUARE INCHES SHALL BE PROTECTED AS REQUIRED BY U.L. COORDINATE CLOSELY WITH THE GENERAL CONTRACTOR TO INSURE THAT THE INTEGRITY OF THE U.L. RATING IS MAINTAINED.
33. OUTLET BOXES FOR DEVICES MOUNTED ON OPPOSITE SIDES OF FIRE RATED PARTITIONS SHALL NOT BE MOUNTED IN THE SAME WALL CAVITY. SEPARATED WALL PENETRATIONS BY MOUNTING ON OPPOSITE SIDES OF WALL STUDS OR OTHER VERTICAL STRUCTURAL MEMBERS IN THE WALL.
34. (SEISMIC REQUIREMENTS) ELECTRICAL EQUIPMENT SHALL MEET THE REQUIREMENTS OF SECTION 1621 OF THE 2002 IBC.
35. ELECTRICAL CONTRACTOR SHALL VERIFY THAT ALL AREAS IN WHICH FOOD IS PREPARED, OR IN WHICH UTENSILS ARE WASHED, SHALL BE PROVIDED WITH AT LEAST 50FC OF LIGHT ON FOOD PREPARATION WORK LEVELS AND AT UTENSILS WASHING WORK LEVELS. AT LEAST 10FC OF LIGHT AT 30 INCHES ABOVE THE FLOOR SHALL BE PROVIDED IN ALL OTHER WORK AREAS, INCLUDING STORAGE ROOMS AND WALK-IN UNITS. LIGHT BULBS IN FOOD PREPARATION, STORAGE, AND DISPLAY AREAS SHALL BE SHATTERPROOF OR SHIELDED SO AS TO PROTECT AGAINST BREAKAGE BY A SHIELD SURROUNDING AND EXTENDING BEYOND THE BUILD, LEAVING ONLY THE FACE OF THE BULB EXPOSED.

CODE LOAD ANALYSIS PER N.E.C.

CODE LOAD ANALYSIS PANEL A

LOAD DESCRIPTION	CONNECTED KVA	DEMAND FACTOR	KVA DEMAND
LIGHTING - EXTERIOR	0	125%	0
LIGHTING - INTERIOR	2579	125%	3224
SIGNAGE	3600	125%	4500
RECEPTACLES	9000	FIRST 10 KW 100%	9000
	0	REMAINDER @ 50%	0
KITCHEN EQUIPMENT	64766	65%	42098
WATER HEATING	0	125%	0
HVAC EQUIPMENT	46466	100%	46466
		LGT MOTOR @25%	750
MISC.	0	100%	0
TOTALS	126411		104178
CALCULATED SERVICE DEMAND AMPERES		289 amps	

CODE LOAD ANALYSIS PER N.E.C.

CODE LOAD ANALYSIS PANEL B

LOAD DESCRIPTION	CONNECTED KVA	DEMAND FACTOR	KVA DEMAND
LIGHTING - EXTERIOR	0	125%	0
LIGHTING - INTERIOR	0	125%	0
SIGNAGE	0	125%	0
RECEPTACLES	0	FIRST 10 KW 100%	0
	0	REMAINDER @ 50%	0
KITCHEN EQUIPMENT	59244	65%	38509
WATER HEATING	0	125%	0
HVAC EQUIPMENT	0	100%	0
		LGT MOTOR @25%	0
MISC.	0	100%	0
TOTALS	59244		38509
CALCULATED SERVICE DEMAND AMPERES		107 amps	

CODE LOAD ANALYSIS PER N.E.C.

CODE LOAD ANALYSIS PANEL C

LOAD DESCRIPTION	CONNECTED KVA	DEMAND FACTOR	KVA DEMAND
LIGHTING - EXTERIOR	0	125%	0
LIGHTING - INTERIOR	0	125%	0
SIGNAGE	0	125%	0
RECEPTACLES	0	FIRST 10 KW 100%	0
	0	REMAINDER @ 50%	0
KITCHEN EQUIPMENT	0	65%	0
WATER HEATING	0	125%	0
HVAC EQUIPMENT	27692	100%	27692
		LGT MOTOR @25%	0
MISC.	0	100%	0
TOTALS	27692		27692
CALCULATED SERVICE DEMAND AMPERES		77 amps	

ELECTRICAL PANEL SCHEDULE A

NEW SURFACE MOUNTED NEMA 1 | 400 AMP MAIN CIRCUIT BREAKER | 120 / 240 / 3Ø / 4WIRE | 22,000 AIC (VIF)

CIRCUIT BREAKER	TYPE	WIRE AND CONDUIT	LOAD SERVED	CIRCUIT NUMBER	LOAD WATTS ØA	LOAD WATTS ØB	LOAD WATTS ØC	CIRCUIT NUMBER	LOAD SERVED	WIRE AND CONDUIT	TYPE	CIRCUIT BREAKER
20A / 1P	TC1	2-#12 THHN & 1# 12 G, 3/4" C.	EXTERIOR SIGNAGE	1	1200							
20A / 1P	TC1	2-#12 THHN & 1# 12 G, 3/4" C.	EXTERIOR SIGNAGE	3	180	1200		2	BEER COOLER EVAP COIL	2-#12 THHN & 1# 12 G, 3/4" C.	HACR	20A / 1P
20A / 1P	TC1	2-#12 THHN & 1# 12 G, 3/4" C.	EXTERIOR SIGNAGE	5		180	1200	4	BEER COOLER CONTROLS	2-#12 THHN & 1# 12 G, 3/4" C.	HACR	20A / 1P
20A / 1P		2-#12 THHN & 1# 12 G, 3/4" C.	TIME CLOCK CONTROLLER	7	360		180	6	WALK IN COOLER EVAP COIL	2-#12 THHN & 1# 12 G, 3/4" C.	HACR	20A / 1P
20A / 1P		2-#12 THHN & 1# 12 G, 3/4" C.	STOREFRONT RECEPTACLES	9	180	1800		8	WALK IN COOLER CONTROLS	2-#12 THHN & 1# 12 G, 3/4" C.	HACR	20A / 1P
20A / 1P		2-#12 THHN & 1# 12 G, 3/4" C.	STOREFRONT RECEPTACLES	11		1882	1800	10	REMOTE BEER PUMP	2-#8 THHN & 1# 8 G, 3/4" C.		25A / 1P
20A / 1P		2-#12 THHN & 1# 12 G, 3/4" C.	LIGHTING	13	1024		1392	12	BEER LINE CHILLER	2-#12 THHN & 1# 12 G, 3/4" C.	HACR	20A / 1P
20A / 1P		2-#12 THHN & 1# 12 G, 3/4" C.	LIGHTING	15	360	1195		14	OFFICE 202 RECEPTACLES	2-#12 THHN & 1# 12 G, 3/4" C.		20A / 1P
20A / 1P		2-#12 THHN & 1# 12 G, 3/4" C.	DUMB WAITER	17		720	1800	16	CONVENIENCE RECEPTACLES	2-#12 THHN & 1# 12 G, 3/4" C.		20A / 1P
20A / 1P		2-#12 THHN & 1# 12 G, 3/4" C.	CONVENIENCE RECEPTACLES	19	1620		540	18	CONVENIENCE RECEPTACLES	2-#12 THHN & 1# 12 G, 3/4" C.		20A / 1P
20A / 1P		2-#12 THHN & 1# 12 G, 3/4" C.	HVAC SERVICE RECEPTACLES	21	660	540		20	EQ B09 MUG FROSTER	2-#12 THHN & 1# 12 G, 3/4" C.		20A / 1P
20A / 1P		2-#12 THHN & 1# 12 G, 3/4" C.	WOMENS 102 /MENS 104 RECEPTACLES	23		1800	720	22	HEAT TAPE	2-#12 THHN & 1# 12 G, 3/4" C.	HACR	20A / 1P
20A / 1P		2-#12 THWN & 1# 12 G, 3/4" C.	CONVENIENCE RECEPTACLES	25	540		0	24	SPACE			
20A / 1P		2-#12 THWN & 1# 12 G, 3/4" C.	EQ 3.3 PREP COOLER	27	0	1180		26	SPACE			
			SPACE	29		0	0	28	SPACE			
			SPACE	31	0		0	30	SPACE			
20A / 1P		2-#12 THHN & 1# 12 G, 3/4" C.	BEER COOLER CONTROLS & LTG	33	4954	180		32				50A
20A / 1P		2-#12 THHN & 1# 12 G, 3/4" C.	WALK IN COOLER CONTROLS & LTG	35		4954	180	34	MUA-1	4-#8 THHN & 1# 8 G, 3/4" C.	HACR	
125A				37	9444		4954	36				3P
	HACR	4-#1 THHN & 1#6 G, 1" C.	PANEL C	39	20381	9320		38				200A
3P				41		18549	8928	40	PANEL B	4-#3/0 THHN & 1# 4 G, 2" C.		
							20314	42				3P
					40903	43500	42008		TOTAL CONNECTED LOAD WATTS	126411		
PROVIDE WITH GROUNDED BUS									TOTAL LOAD KVA / AMPS	126.4	351.1	

ELECTRICAL PANEL SCHEDULE B

NEW SURFACE MOUNTED NEMA 1 | 200 AMP MAIN BREAKER | 120 / 240 / 3Ø / 4WIRE | 225,000 AIC (VIF)

CIRCUIT BREAKER	TYPE	WIRE AND CONDUIT	LOAD SERVED	CIRCUIT NUMBER	LOAD WATTS ØA	LOAD WATTS ØB	LOAD WATTS ØC	CIRCUIT NUMBER	LOAD SERVED	WIRE AND CONDUIT	TYPE	CIRCUIT BREAKER
20A 1P		2-#12 THHN & 1# 12 G, 3/4" C.	EQ 1 PIZZA OVEN	1	660							
			SHUNT TRIP	3	720	SHUNT		2	EQ 23 BAG IN BOX SODA SYSTEM	2-#12 THHN & 1# 12 G, 3/4" C.		20A 1P
20A 1P		2-#12 THHN & 1# 12 G, 3/4" C.	EQ 1 PIZZA OVEN	5		1518	660	4	EQ 22 ICE MACHINE	2-#12 THHN & 1# 12 G, 3/4" C.		20A 1P
			SHUNT TRIP	7	SHUNT		403	6	EQ 3.2 SANDWICH/SALAD PREP	2-#12 THHN & 1# 12 G, 3/4" C.		20A 1P
20A 1P		2-#12 THHN & 1# 12 G, 3/4" C.	EQ 1 PIZZA OVEN	9	1406	660		8	EQ 29 FOOD WARMING SHELF	2-#12 THHN & 1# 12 G, 3/4" C.		20A 1P
			SHUNT TRIP	11		744	SHUNT	10	EQ 31 REACH IN FREEZER	3-#12 THHN & 1# 12 G, 3/4" C.	HACR	20A
20A 1P		2-#12 THHN & 1# 12 G, 3/4" C.	EQ 3 SANDWICH/SALAD PREP	13	1180		744	12				2P
20A 1P		2-#12 THHN & 1# 12 G, 3/4" C.	EQ 7 AUTO SAUCER	15	391	275		14	EQ 27 REACH IN REFRIDGERATOR	2-#12 THHN & 1# 12 G, 3/4" C.	HACR	20A 1P
20A 1P		2-#12 THHN & 1# 12 G, 3/4" C.	EQ 4 DOUGH SHEETER	17		600	863	16	EQ B32 BACK BAR COOLER	2-#12 THHN & 1# 12 G, 3/4" C.	HACR	20A 1P
20A				19	1080		3072	18	B06 GLASSWASHER	3-#12 THHN & 1# 12 G, 3/4" C.	HACR	40A
		4-#12 THHN & 1# 12 G, 3/4" C.	EQ 9 CHEESE SHREDDER	21	3072	1080		20				2P
3P				23		1440	1080	22	BAR TV RECEPTACLES	2-#12 THHN & 1# 12 G, 3/4" C.		20A 1P
50A				25	4840		1440	24	BAR TV RECEPTACLES	2-#12 THHN & 1# 12 G, 3/4" C.		20A 1P
	HACR	4-#8 THHN & 1#8 G, 3/4" C.	EQ 19 DISHWASHER	27	360	4840		26	SERVER RECEPTACLES	2-#12 THHN & 1# 12 G, 3/4" C.		20A 1P
3P				29		720	4840	28	BAR USB RECEPTACLES	2-#12 THHN & 1# 12 G, 3/4" C.		20A 1P
30A				31	2880		540	30	WATER HEATER PUMP	2-#12 THHN & 1# 12 G, 3/4" C.		20A 1P
	HACR	4-#8 THHN & 1#8 G, 3/4" C.	EQ 24 CONVECTION OVEN	33	456	2880		32				20A
3P				35		456	2880	34	BEER COOLER	4-#8 THHN & 1#8 G, 3/4" C.	HACR	
30A				37	2880		456	36				3P
	HACR	4-#8 THHN & 1#8 G, 3/4" C.	EQ 24 CONVECTION OVEN	39	456	2880		38				20A
3P				41		456	2880	40	WALKIN COOLER	4-#8 THHN & 1#8 G, 3/4" C.	HACR	
							456	42				3P
					20381	18549	20314		TOTAL CONNECTED LOAD WATTS	59244		
PROVIDE WITH GROUNDED BUS									TOTAL LOAD KVA / AMPS	59.2	164.6	

ELECTRICAL PANEL SCHEDULE C

NEW SURFACE MOUNTED NEMA 1 | 125 AMP MAIN BREAKER | 120 / 240 / 3Ø / 4WIRE | 65,000 AIC (VIF)

CIRCUIT BREAKER	TYPE	WIRE AND CONDUIT	LOAD SERVED	CIRCUIT NUMBER	LOAD WATTS ØA	LOAD WATTS ØB	LOAD WATTS ØC	CIRCUIT NUMBER	LOAD SERVED	WIRE AND CONDUIT	TYPE	CIRCUIT BREAKER
45A				1	2976							
	HACR	4-#8 THHN & 1#8 G, 3/4" C.	RTU-1	3	2976	2976		2				45A
3P				5		2976	2976	4	RTU-2	4-#8 THHN & 1#8 G, 3/4" C.	HACR	
20A 1P		2-#12 THHN & 1# 12 G, 3/4" C.	DISHWASHER EF-1	7	516		2976	6				3P
20A 1P		2-#12 THHN & 1# 12 G, 3/4" C.	PIZZA OVEN EF-2	9	2976	392		8				45A
			SPACE	11		2976	0	10	RTU-3	4-#8 THHN & 1#8 G, 3/4" C.	HACR	
			SPACE	13	0		2976	12				3P
			SPACE	15	0	0		14	SPACE			
			SPACE	17		0	0	16	SPACE			
			SPACE	19	0		0	18	SPACE			
			SPACE	21	0	0		20	SPACE			
			SPACE	23		0	0	22	SPACE			
			SPACE	25	0		0	24	SPACE			
			SPACE	27	0	0		26	SPACE			
			SPACE	29		0	0	28	SPACE			
			SPACE	31	0		0	30	SPACE			
			SPACE	33	0	0		32	SPACE			
			SPACE	35		0	0	34	SPACE			
			SPACE	37	0		0	36	SPACE			
			SPACE	39	0	0		38	SPACE			
			SPACE	41		0	0	40	SPACE			
							0	42	SPACE			
					9444	9320	8928		TOTAL CONNECTED LOAD WATTS	27692		
PROVIDE WITH GROUNDED BUS									TOTAL LOAD KVA / AMPS	27.7	76.9	

CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BID AND REPORT ANY DISCREPANCIES BACK TO OWNER. G.C. SHALL COORDINATE ALL SUB CONTRACTORS AND ENSURE A COMPLETE FULLY CODE COMPLIANT AND PROFESSIONALLY FINISHED TENANT SPACE.

ISSUED / REVISIONS:

STATE OF NEW YORK ERIC ENGELMAN LICENSED PROFESSIONAL ENGINEER 081395 10/30/2025

ENGINEERING AND DESIGN PLLC
PO Box 213 (Kelling)
4236 HWY 36S
Annville, KY 40402
FIRM 23179
Phone (606)-364-2886
Fax (606)-364-5100
E-Mail: eric@emrengineers.com
Web Address: emrengineers.com

ONE! ARCHITECTURE
8686 N. Central Ave. Suite 166
Phoenix, Arizona 85020
Phone: 602.266.2712
Fax: 602.266.1688
www.ONEarchitecture.us
Architect: Dustin Curtis

RIKO'S THIN CRUST PIZZA
124 CHATSWORTH AVE
LARCHMONT, NEW YORK 10538

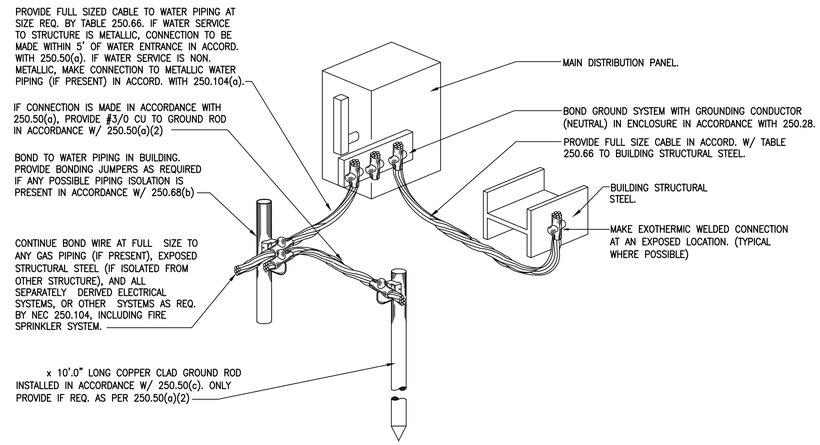
CHECKED BY:	Staff
DRAWN BY:	Staff
DATE:	OCTOBER 30, 2025
SCALE:	PER PLAN
PROJECT No.:	RP 2601

SHEET TITLE
ELECTRICAL PANELS

SHEET No.
E2.03

GENERAL NOTES

1. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL AND STATE CODES.
2. ALL MATERIAL, EQUIPMENT AND APPLIANCES SHALL BE NEW AND SHALL CONFORM TO THE STANDARDS OF THE UNDERWRITER'S LABORATORIES, INC. AND THE NATIONAL MANUFACTURER'S ASSOCIATION.
3. ALL ELECTRICAL PERMITS AND INSPECTION FEES SHALL BE OBTAINED AND PAID FOR BY THE ELECTRICAL CONTRACTOR.
4. ELECTRICAL CONTRACT DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF ELECTRICAL EQUIPMENT. DO NOT SCALE ELECTRICAL PLANS. OBTAIN ALL DIMENSIONS FROM THE ARCHITECT'S DIMENSIONED DRAWINGS AND FIELD MEASUREMENTS. THE CONTRACTOR SHALL REVIEW ARCHITECTURAL PLANS FOR DOOR SWINGS AND BUILT-IN EQUIPMENT; CONDITIONS INDICATED ON THOSE PLANS SHALL GOVERN FOR THIS WORK.
5. VERIFY ALL REQUIREMENTS AND COORDINATE EXACT LOCATION OF ELECTRICAL SERVICE WITH LOCAL POWER COMPANY PRIOR TO PROJECT START. NOTIFY ENGINEER OF ANY CHANGES.
6. ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS FOR ONE YEAR EFFECTIVE FROM CERTIFICATE OF OCCUPANCY.
7. A COMPLETE GROUNDING SYSTEM SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH ARTICLE 250 OF THE NEC, AND AS SHOWN ON THE DRAWINGS.
8. ALL CUTTING PATCHING REQUIRED FOR INSTALLATION OF ELECTRICAL EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. DO NOT CUT ANY MATERIAL THAT WILL WEAKEN THE STRUCTURE WITHOUT WRITTEN PERMISSION OF THE ARCHITECT. PATCHING SHALL BE ACCOMPLISHED TO MATCH ADJACENT SURFACES IN EVERY RESPECT. ENGAGE ORIGINAL INSTALLER FOR CUTTING/PATCHING OF ROOFS.
9. PROVIDE A TYPED DIRECTORY IN ALL PANELBOARDS CLEARLY DESCRIBING THE LOCATION AND TYPE OF LOAD SERVED FOR ALL CIRCUITS.
10. PROVIDE ENGRAVED PHENOLIC NAMEPLATES FOR ALL PANELBOARDS AND DISCONNECT SWITCHES, WHITE LETTERS ON BLACK BACKGROUND. NAMEPLATE SHALL CONTAIN EQUIPMENT DESIGNATION, VOLTAGE, FEEDER SOURCE & DATE.
11. PROVIDE "FLASH HAZARD" LABELS FOR ALL PANELBOARDS IN ACCORDANCE WITH NEC REQUIREMENTS.
12. ALL TERMINALS/LUGS SHALL BE 60 DEGREES/75 DEGREE RATED.
13. FUSES 0-600 AMPS SHALL BE UL CLASS "RK-5" LOW PEAK DUAL ELEMENTS TIME DELAY WITH 200,000 AMPERE INTERRUPTING RATING AS MANUFACTURED BY BUSSMAN UNLESS NOTED OTHERWISE.
14. ALL WATER HEATERS SHALL HAVE DISCONNECT SIZED PER 422.22(E)(3).
15. ELECTRICAL CONTRACTOR SHALL MAKE ALL FINAL ELECTRICAL CONNECTIONS TO EQUIPMENT REGARDLESS OF WHO SUPPLIES THE EQUIPMENT. THIS INCLUDES ALL HVAC, PLUMBING AND OWNER FURNISHED EQUIPMENT CONNECTIONS OF 120V OR HIGHER.
16. RACEWAYS SHALL BE INSTALLED CONCEALED IN NEW WALL CONSTRUCTION, ABOVE CEILINGS, BELOW FLOOR AND IN OTHER CAVITIES TO THE GREATEST EXTENT POSSIBLE. WHERE EXPOSED RACEWAYS MUST BE USED, LAYOUT RACEWAYS TO MINIMIZE THE NUMBER OF VERTICAL RUNS.
17. ALL EXPOSED RACEWAYS SHALL BE RUN PARALLEL TO THE BUILDING SURFACES AND SHALL BE PAINTED AS DIRECTED BY THE ARCHITECT. NO EXPOSED CONDUIT SHALL BE ALLOWED IN FINISHED SPACES EXCEPT AS PERMITTED BY THE OWNER OR ARCHITECT. EXPOSED RACEWAY IN FINISHED SPACES SHALL BE WIREMOLD TYPE.
18. BEFORE COMMENCING WITH ANY ROUGH-IN, COORDINATE THE EXACT LOCATION AND MOUNTING HEIGHT OF ALL WALL MOUNTED DEVICES WITH THE ARCHITECTURAL INTERIOR ELEVATIONS, CASEWORK, SHOP DRAWINGS, AND EXISTING CONDITIONS. IF ANY DISCREPANCIES ARE DISCOVERED, NOTIFY THE ARCHITECT FOR FURTHER DIRECTION. MINOR ADJUSTMENTS IN DEVICE LOCATION, 1. 5'-0" IN ANY DIRECTION SHALL BE DONE AT NO ADDITIONAL COST TO THE CONTRACT.
19. ALL WIRING SHALL BE INSTALLED IN IMC, RMC, EMT OR TYPE AC FLEXIBLE CABLE. RNC CONDUIT (PVC) SHALL ONLY BE USED UNDERGROUND AND OUTDOORS, WHERE NOT SUBJECT TO PHYSICAL DAMAGE. MINIMUM SIZE CONDUIT SHALL BE 3/4". AC FLEXIBLE CABLE SHALL BE USED ONLY IN AREAS PERMITTED BY CODE.
20. ALL FLEX SHALL BE LIQUID TIGHT FLEXIBLE METAL.
21. PROVIDE A PULL WIRE OR FISH TAPE IN ALL EMPTY CONDUITS. PROVIDE A BLANK COVER PLATE OVER ALL UNUSED BOXES INCLUDING DATA/COMM BOXES.
22. WHERE A SINGLE HOMERUN IS SHOWN THE CIRCUIT SHALL BE INSTALLED IN A DEDICATED CONDUIT, DO NOT COMBINE WITH OTHER CIRCUITS. WHERE A CIRCUIT HOMERUN IS NOT SHOWN THE CONTRACTOR SHALL COMBINE CIRCUITS, WHERE A CIRCUIT HOMERUN IS NOT SHOWN THE CONTRACTOR SHALL COMBINE CIRCUITS AS FOLLOWS AND IN ACCORDANCE WITH THE NEC:
    A MAXIMUM OF THREE 20A., 1POLE BRANCH CIRCUITS MAY BE COMBINED IN A COMMON HOMERUN SHARING A COMMON NEUTRAL OR WITH SEPARATE NEUTRALS, FOR A TOTAL OF SIX CURRENT CARRYING CONDUCTORS. ALL BRANCH CIRCUITS LARGER THAN 20A. SHALL BE SEPARATE HOMERUN TO PANEL.
23. CONDUCTORS SHALL BE COPPER, RATED AT NO LESS THE 600 VOLTS. MINIMUM SIZE SHALL BE NO. 12 AWG UNLESS OTHERWISE NOTED ON THE DRAWINGS. ALL WIRE #8 AWG AND LARGER SHALL BE STRANDED, #10 THRU #12 AWG CONDUCTORS SHALL BE SOLID. ALL INSULATION TYPES SHALL BE THWN OR THHN.
24. 20A/120V BRANCH CIRCUITS EXCEEDING 100' IN LENGTH FROM PANEL TO FARTHEST DEVICE SHALL USE NO. 10 CONDUCTORS AND 3/4"C.
25. FOR EVERY WORKING DEVICE MARK THE BRANCH CIRCUIT TO WHICH IT IS CONNECTED ON THE BACK OF EACH DEVICE PLATE, USING AN INDELIBLE MARKER PEN.
26. NOT USED.
27. EXACT LOCATION OF ALL FLOOR-MOUNTED OUTLETS SHALL BE COORDINATED WITH THE ARCHITECT BEFORE ROUGH-IN.
28. TWO OR MORE ADJACENT POWER OR COMMUNICATION RECEPTACLES SHALL BE GANGED WITH A COMMON FACE PLATE - IF THEY CAN NOT BE GANGED THEY SHALL BE INSTALLED WITH A MINIMUM DISTANCE BETWEEN UNITS.
29. WALL RECEPTACLES SHOWN BACK TO BACK MAY BE OFFSET BUT SHALL BE INSTALLED DIRECTLY ADJACENT TO ONE ANOTHER.
30. LIGHT SWITCHES SHALL BE NO MORE THAN 6" FROM EDGE OF DOOR FRAME.
31. WHERE PENETRATIONS ARE MADE THROUGH A REQUIRED FIRE-RESISTIVE WALL, OR PARTITION FOR THE PURPOSE OF RUNNING RACEWAY CARRYING ELECTRICAL, TELEPHONE, TELEVISION, OR LOCAL COMMUNICATION AND/OR SIGNALING CIRCUITS, THE OPENING AROUND THE RACEWAY SHALL BE FIRE STOPPED PER THE STATE BUILDING CODE. COORDINATION WITH THE GENERAL CONTRACTOR SHALL BE MAINTAINED TO INSURE THAT THIS FIRE STOPPING IS ACCOMPLISHED. USE APPROVED ASSEMBLIES SUCH AS THE FOLLOWING:
    - CONDUIT PENETRATIONS OF 1,2,3, & 4 HOUR GYP BOARD WALLS - U.L.#WL1001
    - CONDUIT PENETRATIONS OF 2,3, & 4 HOUR CONCRETE OR BLOCK WALLS - U.L.#CAJ1001
    - CONDUIT PENETRATIONS OD 2,3,& 4 HOUR CONCRETE FLOORS - U.L.#CAJ1001
    - CONDUIT PENETRATIONS OF 1 HOUR GYP BOARD CEILING ASSEMBLY - L526
    - MULT. CONDUIT PENETRATIONS OF 2,3,& 4 HOUR CONCRETE OR BLOCK WALL OR FLOOR - CAJ1042
32. IN REQUIRED FIRE RATED WALLS AND PARTITIONS, OPENINGS FOR INSTALLATION OF OF BOXES THAT ARE GREATER THAN 16 SQUARE INCHES SHALL BE PROTECTED AS REQUIRED BY U.L. COORDINATE CLOSELY WITH THE GENERAL CONTRACTOR TO INSURE THAT THE INTEGRITY OF THE U.L. RATING IS MAINTAINED.
33. OUTLET BOXES FOR DEVICES MOUNTED ON OPPOSITE SIDES OF FIRE RATED PARTITIONS SHALL NOT BE MOUNTED IN THE SAME WALL CAVITY. SEPARATED WALL PENETRATIONS BY MOUNTING ON OPPOSITE SIDES OF WALL STUDS OR OTHER VERTICAL STRUCTURAL MEMBERS IN THE WALL.
34. (SEISMIC REQUIREMENTS) ELECTRICAL EQUIPMENT SHALL MEET THE REQUIREMENTS OF SECTION 1621 OF THE 2002 IBC.
35. ELECTRICAL CONTRACTOR SHALL VERIFY THAT ALL AREAS IN WHICH FOOD IS PREPARED, OR IN WHICH UTENSILS ARE WASHED, SHALL BE PROVIDED WITH AT LEAST 50FC OF LIGHT ON FOOD PREPARATION WORK LEVELS AND AT UTENSILS WASHING WORK LEVELS. AT LEAST 10FC OF LIGHT AT 30 INCHES ABOVE THE FLOOR SHALL BE PROVIDED IN ALL OTHER WORK AREAS, INCLUDING STORAGE ROOMS AND WALK-IN UNITS. LIGHT BULBS IN FOOD PREPARATION, STORAGE, AND DISPLAY AREAS SHALL BE SHATTERPROOF OR SHIELDED SO AS TO PROTECT AGAINST BREAKAGE BY A SHIELD SURROUNDING AND EXTENDING BEYOND THE BUILD, LEAVING ONLY THE FACE OF THE BULB EXPOSED.

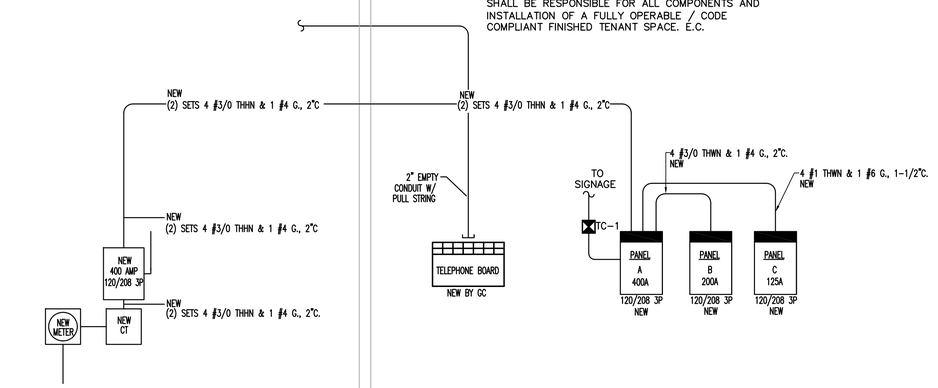


GROUNDING DETAIL

ALL EXISTING ELECTRICAL IN BASEMENT. COORDINATE WITH LOCAL UTILITY AS REQUIRED FOR INSTALLATION OF NEW 400 AMP 120/208 3 PHASE WIRE AS REQUIRED BASED ON EXISTING SERVICE. ANY EXISTING ELECTRICAL EQUIPMENT IN GOOD CONDITION MAY BE RE-USED AND SHALL BE WARRANTED AS NEW.

TENANT E.C. SHALL BE RESPONSIBLE FOR COMPLETE AND OPERABLE / CODE COMPLIANT INSTALLATION FROM EXISTING LANDLORD SERVICE BUS TO TENANT SPACE AND THROUGHOUT TENANT SPACE.

E.C. TO ENSURE EXISTING CONDITIONS FROM LANDLORD POINT OF SERVICE THROUGHOUT TENANT SPACE IS FULL CODE COMPLIANT AND OPERATIONAL. E.C. SHALL MODIFY AS NECESSARY DEPENDENT ON FIELD CONDITIONS. E.C. SHALL ENSURE EXTERIOR MEANS OF DISCONNECT PER FIRE MARSHALL. E.C. SHALL BE RESPONSIBLE FOR ALL COMPONENTS AND INSTALLATION OF A FULLY OPERABLE / CODE COMPLIANT FINISHED TENANT SPACE. E.C.



ONE LINE DIAGRAM

NO SCALE:

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ISSUED / REVISIONS:

STATE OF NEW YORK ERIC ENGELL LICENSED PROFESSIONAL ENGINEER 081395
10/30/2025

ENGINEERING AND DESIGN PLLC
PO Box 213 (Kelling)
4236 HWY 36S0
Annville, KY 40402
Phone (606)-364-2886
Fax (606)-364-5100
E-Mail: eric@emrengineers.com
Web Address: emrengineers.com
FIRM 23179

ONE!
ARCHITECTURE
8686 N. Central Ave. Suite 166
Phoenix, Arizona 85020
Phone: 602.266.2712
Fax: 602.266.1688
www.ONEarchitecture.us
Architect: Dustin Curtis

RIKO'S THIN CRUST PIZZA
124 CHATSWORTH AVE
LARCHMONT, NEW YORK 10538

CHECKED BY:	Staff
DRAWN BY:	Staff
DATE:	OCTOBER 30, 2025
SCALE:	PER PLAN
PROJECT No.:	RP 2601

SHEET TITLE
ELECTRICAL ONE LINE DIAGRAM

SHEET No.
E2.03A

COM*check* Software Version COMcheckWeb

Interior Lighting Compliance Certificate

Project Information

Energy Code: 2020 New York State Energy Conservation Construction Code
Project Title: RIKO'S PIZZA LARCHMONT
Project Type: Alteration

Construction Site:
124 CHATSWORTH AVENUE
LARCHMONT, New York 10538

Owner/Agent:

Designer/Contractor:

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts
1-OFFICE 202 (Common Space Types:Office - Enclosed)	48	0.93	45
2-STORAGE 201 (Common Space Types:Storage >=50 - <=1000 sq.ft.)	196	0.46	90
3-KITCHEN 105 (Common Space Types:Food Preparation)	610	1.06	647
4-DISH WASHING 203 (Common Space Types:Food Preparation)	200	1.06	212
5-DINING 100 BAR 101 (Common Space Types:Dining Area - Bar Lounge/Leisure)	1721	0.93	1601
6-STORAGE 103 (Common Space Types:Storage <50 sq.ft.)	15	0.46	7
7-RESTROOMS (Common Space Types:Restrooms)	114	0.85	97
		Total Allowed Watts =	2698

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
OFFICE 202 (Common Space Types: Office - Enclosed, 48 sq.ft.)				
LED: LED LAYIN: F5: LED Panel 40W:	1	1	40	40
STORAGE 201 (Common Space Types: Storage >=50 - <=1000 sq.ft., 196 sq.ft.)				
LED: LED LAYIN: F5: LED Panel 40W:	1	4	40	160
KITCHEN 105 (Common Space Types: Food Preparation, 610 sq.ft.)				
LED: LED LAYIN: F5: LED Panel 40W:	1	11	40	440
DISH WASHING 203 (Common Space Types: Food Preparation, 200 sq.ft.)				
LED: LED LAYIN: F5: LED Panel 40W:	1	3	40	120
DINING 100 BAR 101 (Common Space Types: Dining Area - Bar Lounge/Leisure, 1721 sq.ft.)				
LED: LED CYLINDER DOWNLIGHT: F8: LED PAR 10W:	1	37	10	370
LED: DECORATIVE LED PENDANT: F7: LED PAR 7W:	5	4	45	180
LED: LED DOWNLIGHT: F3: LED PAR 15W:	1	12	15	180
STORAGE 103 (Common Space Types: Storage <50 sq.ft., 15 sq.ft.)				
LED: LED DOWNLIGHT: F4: LED A Lamp 9W:	1	2	9	18
RESTROOMS (Common Space Types: Restrooms, 114 sq.ft.)				
LED: LED DOWNLIGHT: F4: LED A Lamp 9W:	1	4	9	36
			Total Proposed Watts =	1544

Interior Lighting PASSES

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2020 New York State Energy Conservation Construction Code requirements in COM*check* Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

ERIC ENGELL P.E. — Name - Title
Signature
09-19-2025 — Date

COM*check* Software Version COMcheckWeb

Inspection Checklist

Energy Code: 2020 New York State Energy Conservation Construction Code

Requirements: 0.0% were addressed directly in the COM*check* software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR4][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.2.2 [EL22][1]	Spaces required to have light-reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.1, C405.2.1.1 [EL18][1]	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.1.2 [EL19][1]	Occupancy sensors control function in warehouses: In warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.1.3 [EL20][1]	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 3) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone, and 4) are configured such that any daylight responsive control will activate space general lighting or control zone general lighting only when occupancy for the same area is detected.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.2.1, C405.2.2.2 [EL21][2]	Each area not served by occupancy sensors (per C405.2.1) have time-switch controls and functions detailed in sections C405.2.2.1 and C405.2.2.2.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3, C405.2.3.1, C405.2.3.2 [EL23][2]	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.4 [EL26][1]	Separate lighting control devices for specific uses installed per approved lighting plans.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.4 [EL27][1]	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.3 [EL6][1]	Exit signs do not exceed 5 watts per face.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.2 [FI17][1]	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.4.1 [FI18][1]	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Interior Lighting fixture schedule for values*
C408.2.5.1 [FI16][1]	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.3 [FI33][1]	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

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ENGINEERING AND DESIGN PLLC
PO Box 213 (Mailing)
4236 HWY 3650
Annville, KY 40402
FIRM 23179
Phone (606)-364-2886
Fax (606)-364-5100
E-Mail: eric@emrengineers.com
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ARCHITECTURE
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CHECKED BY:	Staff
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DATE:	OCTOBER 30, 2025
SCALE:	PER PLAN
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SHEET TITLE
LIGHTING ENERGY COMPLIANCE

SHEET No.
E2.04