

e-Permitting

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MUNICIPAL INSPECTION REQUIREMENTS AND RECORD 08/15/2019
 MUNICIPAL NO.2019-074120 FOLIO: 3220220370010
 JOB SITE ADDRESS 8030 NW 154 ST
 PROPOSED USE RESTAURANT-CAFETERIA
 LEGAL MIAMI LAKES BUSINESS PARK WEST PB 147-98 T-19229
 APPLICATION TYPE ALTER INTERIOR 974 SQFT 0 UNITS 0 FLOORS
 OWNER NAME TGC PCSC LLC
 CONTRACTOR
 QUALIFIER
 PERMIT TYPE MUNICIPAL BLDG
 CATEGORIES 0001 MUNICIPAL GENERAL BUILDING

DATE: 8/15/2019 PROCESS NUMBER: M2019018490 NEW *AMOUNT PAID 281.56
 DERM 1 ASBESTOS REVI 175.00 DERM 1 UP FRONT FEE- 80.00
 DERM 1 MIN COMM REV(90.00 FIRE 30000 ALTERATIONS & 117.00
 FIRE 30000 FIRE UPFRT FE 34.32 FRWK 117 1ST FIRE MAJO 117.00
 RSUR 2 RER 7.5% SUR 13.88 UBS1 1 BLDG 7.5% UPF 1.88
 UPMU 1 UPFRONT FEE F 25.00 URS1 1 RER 7.5% UPFR 6.00

8/15/2019 14:10 BNZWEB1 181908151264 WEBIPAS 281.56

MUNICIPAL INSPECTION REQUIREMENTS AND RECORD 08/15/2019
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REQUIRED INSPECTIONS INIT DATE**FIRE****0001 FIRE INSPECTIONS RECOMMENDED**

200 FIRE HYDRANTS

208 FIRE TCO INSPECTION

211 PRELIMINARY

209 FIRE FINAL

_____	_____
_____	_____
_____	_____
_____	_____

MUNICIPAL INSPECTION REQUIREMENTS AND RECORD 08/15/2019
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TO SCHEDULE A FIRE INSPECTION, PLEASE VISIT THE WEB AT
 WWW.MIAMIDADE.GOV/BUILDING OR WWW.MIAMIDADE.GOV/FIRE. YOU WILL
 NEED TO PROVIDE YOUR TEN DIGIT MUNICIPAL INSPECTION NUMBER AND
 INSPECTION TYPE. THE INSPECTION TYPE CAN BE FOUND ON YOUR
 INSPECTION REQUIREMENTS AND RECORDS CARD.

IF YOU HAVE ANY QUESTIONS OR CONCERNS REGARDING AN INSPECTION,
 SCHEDULING A PRELIMINARY INSPECTION, OR LOAD BANK TEST

INSPECTION, PLEASE CALL FIRE PREVENTION AT 786-331-4800.

IF YOU HAVE ANY QUESTIONS OR CONCERNS REGARDING A PLAN REVIEW,
PLEASE CALL FIRE ENGINEERING AT (786) 315-2771.

****BE ADVISED THIS IS NOT A PERMIT. PERMIT IS TO BE ISSUED BY
YOUR CORRESPONDING MUNICIPAL BUILDING DEPARTMENT.**

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MIAMI-DADE COUNTY
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES
<http://www.miamidade.gov/building/home.asp>
8/15/2019 2:10:16 PM

Tracking #	Process #	Permit #
3219018490	M2019018490	2019074120

THIS COPY OF PLANS MUST BE AVAILABLE ON BUILDING SITE OR AN INSPECTION WILL NOT BE MADE.

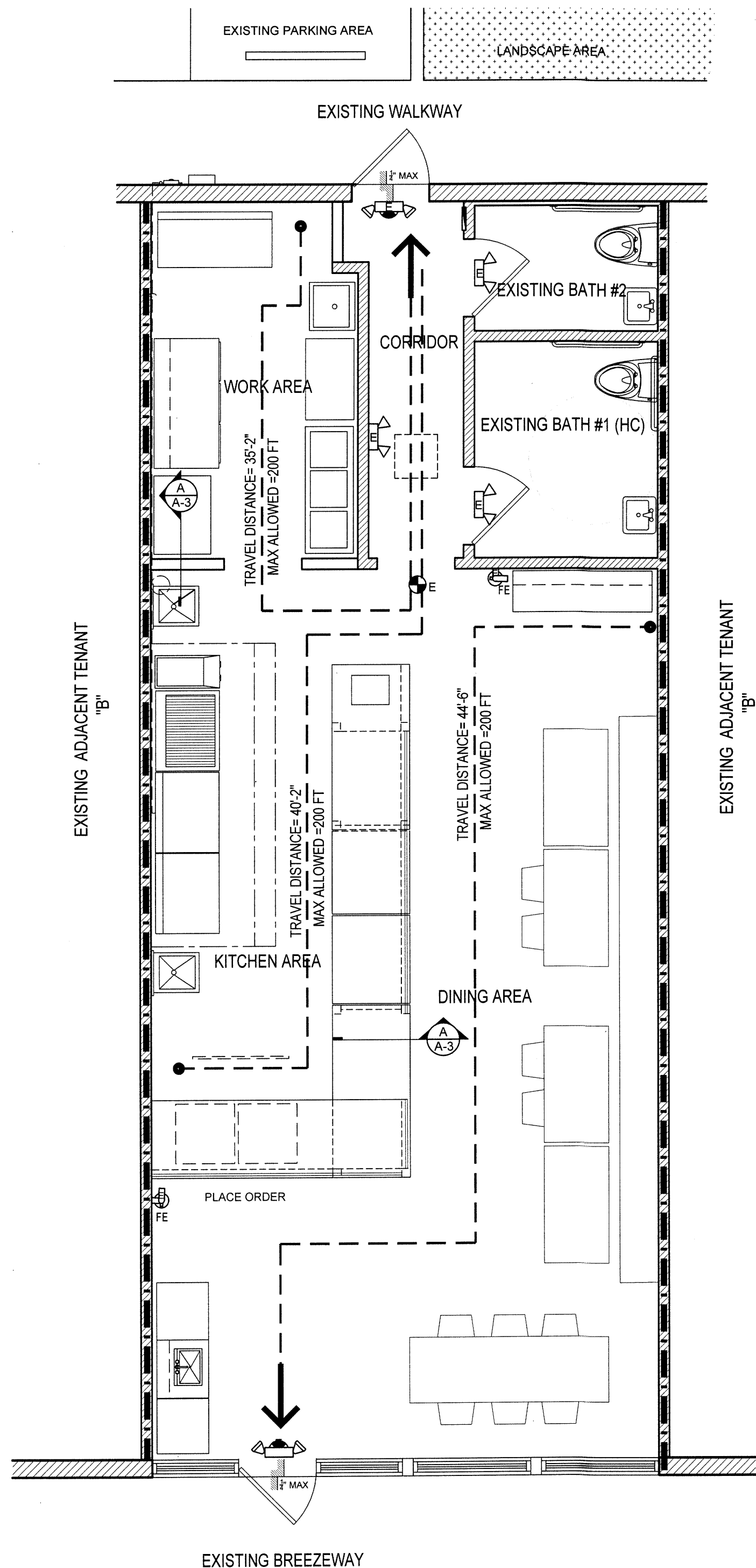
Process #	Review	Disposition	Reviewer	Date
M2019018490	UPFRONT FEES	A	WEB APPLICATION ID	8/2/2019
M2019018490	DERM CORE	A	PADRON, JORGE	8/7/2019
M2019018490	DERM ASBESTOS	A	CHEN, CHI-RUEY	8/15/2019
M2019018490	FIRE	A	FRIAS, JOSE	8/13/2019
M2019018490	WASA	A	THOMAS, TIESHA	8/8/2019
M2019018490	IMPACT FEES	N	MATIAS TAWIL, MARGARITA	8/5/2019

Disclaimer.

Subject to compliance with all Federal, State, and County Laws, rules and regulations. Miami-Dade County assumes no responsibility for accuracy of or results of these plans.

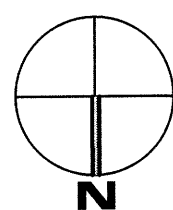
NOTICE: In addition to the requirements of this permit, there may be additional restrictions applicable to the property that may be found in the public records of this county, and there may be additional permits required from other governmental entities such as water management districts, state agencies or federal agencies.

Stamp Name	Trade	Disposition	Stamp Description
Approved	FIRE	A	Approved
Reference Only	FIRE	R	Reference only.
Void	FIRE	V	Void



LIFE SAFETY PLAN

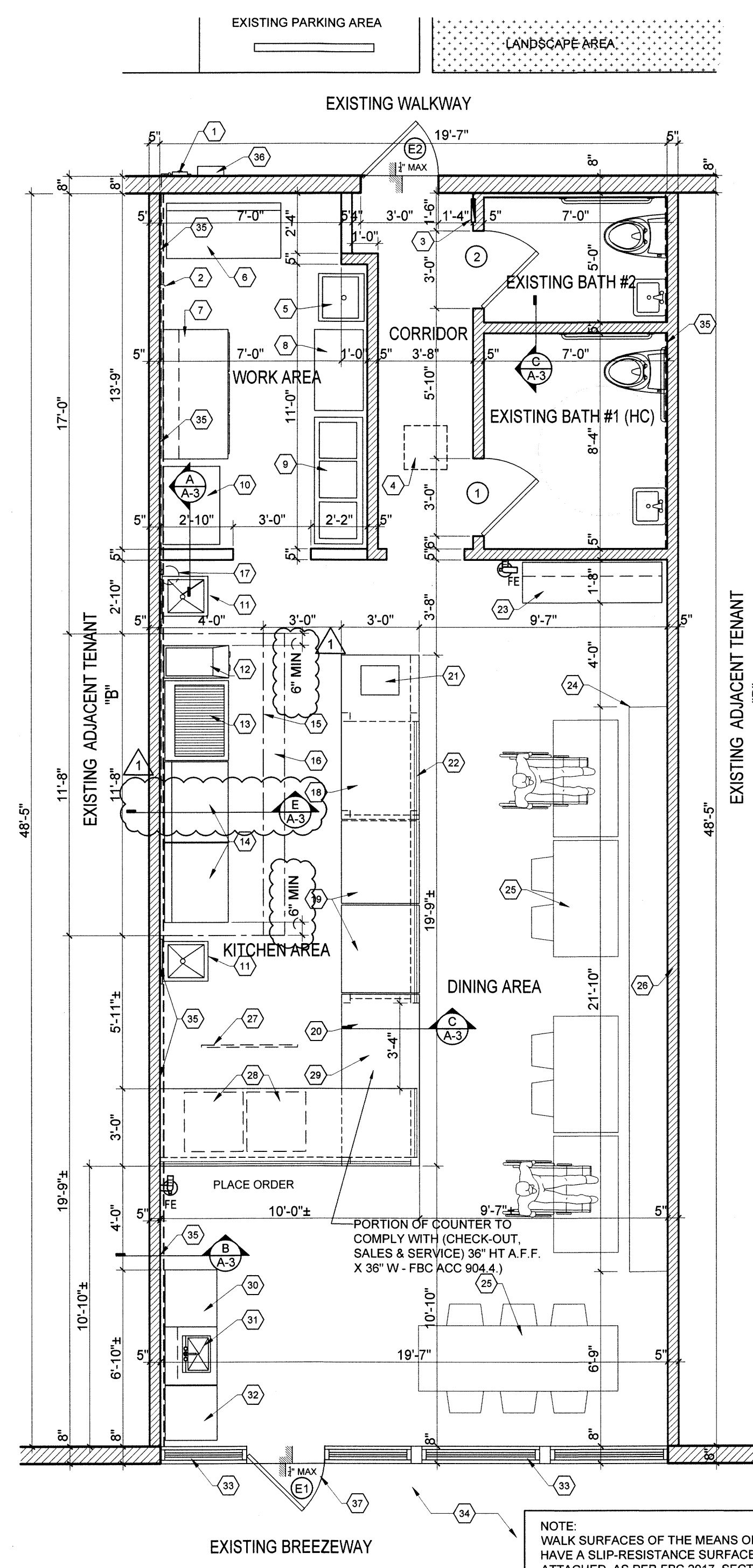
SCALE: 1/4"=1'-0"



LEGEND	
	SURFACE MOUNTED EXIT LIGHT
	PORTABLE FIRE EXTINGUISHER (48" A.F.F.)
	EMERGENCY LIGHT
	EMERGENCY LIGHT W/ BATTERY BACKUP
	SMOKE DETECTOR
MEANS OF EGRESS	
	EXIT DOOR
	DIRECTION OF EGRESS AND OCCUPANCY LOAD TO THE EXIT
	MAX TRAVEL DISTANCE=200 L.F. (AS PER FBC TABLE 1017.2 & NFPA)
WALL ASSEMBLIES FIRE RATING	
	ONE HOUR FIRE RATED WALL

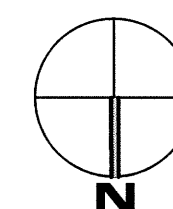
LIFE SAFETY CODE SUMMARY	
AREA: EXISTING OCCUPANCY (AS PER 2017 FBC BLDG 303)	APROX 974 S.F. (NON-SPRINKLERED) GROUP "A-2" (RESTAURANT)
INTERIOR FINISHES CLASSIFICATION: (AS PER 2017 FBC BLDG 803.1.1)	EXIT PASSAGEWAYS: A (FLAME SPREAD INDEX 0-25, SMOKE-DEVELOPMENT INDEX 0-450) CORRIDORS: B (FLAME SPREAD INDEX 26-75, SMOKE-DEVELOPMENT INDEX 0-450) ROOMS & ENCLOSED SPACES: C (FLAME SPREAD INDEX 26-75, SMOKE-DEVELOPMENT INDEX 0-450)
EXISTING OCCUPANT LOAD: (AS PER 2017 FBC BLDG 1004.1.1)	BATHS & CIRCULATION.....N/A EXIST KITCHEN/SERVICES AREAS = 374 S.F. @ 1/200 GROSS/OCCUP = 2 PERSONS DINING AREA = 346 S.F. @ 1/15 NET/OCCUP = 23 PERSONS TOTAL MAX OCCUPANCY LOAD.....25 PERSONS PROPOSED SITTING CAPACITY.....23 PERSONS ADA SITTING PROVIDED (5%).....2 PERSONS
EXISTING CEILING HEIGHT (AS PER 2017 FBC BLDG 1003.2)	8'-0" MIN NOT LESS THAN 7'-6"
EXIST MIN NUMBER OF EXITS (AS PER 2017 FBC BLDG 1021.1)	1 REQUIRED (2 PROVIDED)
TRAVEL DISTANCE (AS PER NFPA 101 TABLE A.7.6)	MAX 200 FT (PROVIDED 58'-8" MAX)
FIRE EXTINGUISHERS- NFPA 10	
1.5.10. FIRE EXTINGUISHERS HAVING A GROSS WEIGHT NOT EXCEEDING 40 LB. SHALL BE INSTALLED SO THAT THE TOP OF THE FIRE EXTINGUISHER IS NOT MORE THAN 5 FT ABOVE THE FLOOR. FIRE EXTINGUISHERS HAVING A GROSS WEIGHT GREATER THAN 40 LB. SHALL BE SO INSTALLED THAT THE TOP OF THE FIRE EXTINGUISHER IS NOT MORE THAN 3 1/2' ABOVE THE FLOOR. IN NO CASE SHALL THE CLEARANCE BETWEEN THE BOTTOM OF THE FIRE EXTINGUISHER AND THE FLOOR BE LESS THAN 4".	
3.2.1. FIRE EXTINGUISHERS SIZE & PLACEMENT FOR CLASS "A" HAZARD MAXIMUM FLOOR AREA PER UNIT OF "A" 3,000 S.F. MAXIMUM TRAVEL TO EXTINGUISHER 75 FT.	

-THIS SPACE IS NOT PROTECTED BY A FIRE ALARM SYSTEM
NOR FIRE SPRINKLER SYSTEM



FLOOR PLAN

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



FLOOR PLAN KEYNOTES

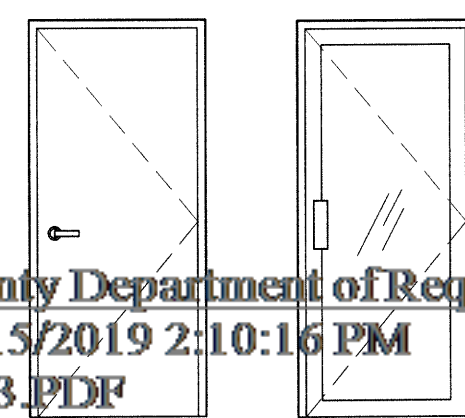
- EXISTING GAS METER
- EXISTING GAS LINE @ CLG
- EXISTING ELECTRICAL PANEL TO BE REPLACED VIA NEW ELECTRICAL PANEL
- EXISTING ROOF TOP MOUNTED PACKAGE A/C UNIT BEING REPLACED VIA NEW UNIT
- MOP SINK
- 3 DOORS FREEZER
- 3 DOORS COOLER
- SHELF
- 3 COMPARTMENT SINK
- WORK TABLE
- SERVICE SINK
- FRYER - TO BE CONNECTED TO EXISTING GAS LINE
- GRIDDLE - TO BE CONNECTED TO EXISTING GAS LINE
- SMOKERS - TO BE CONNECTED TO EXISTING GAS LINE
- EXISTING HOOD ABOVE
- EXISTING HOOD FRESH AIR STRIP
- EXISTING FIRE SUPPRESSION SYSTEM
- COOLER - UNDER COUNTER. HANGING RACK ABOVE
- STEAM TABLE
- BUTCHER BLOCK TOPS - UNDER STORAGE - HANGING RACK ABOVE
- CASH REGISTER
- SNEEZE GUARD
- STORAGE WORK TABLE
- BENCH
- CHAIRS & TABLES
- EXISTING 1HR FIRE RATED PARTITION
- DISPLAY TV. ABOVE (BY OTHERS)
- UNDER COUNTER STEAM BOXES
- 36" MAX HT COUNTER
- STORAGE
- SINK
- TRASH
- EXISTING CATEGORY II SAFETY GLASS STOREFRONT
- EXISTING CONCRETE SLAB
- COAT WATER PROOFING IN WALL THRU ALL TENANT SEPARATION WALL (RE: 2/A-3)
- WALL MOUNTED GAS WATER HEATER
- EXISTING 3'-0" W CATEGORY II SAFETY GLASS STOREFRONT DOOR

EXISTING KITCHEN HOOD NOTES:

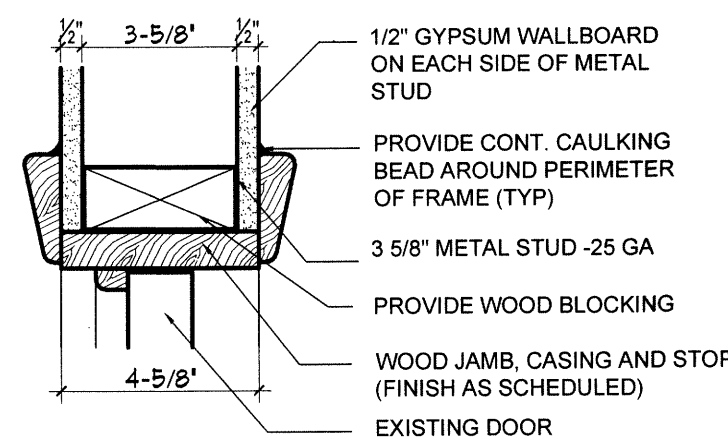
- EXISTING MINIMUM HEADROOM CLEARANCE TO BE 6'-8" IN COMPLIANCE WITH NFPA101 7.1.5.
- KITCHEN HOOD SHALL OVERHANG A MINIMUM 6" TO ALL SIDES PER NFPA 96.5.2.

DOOR SCHEDULE						
No.	SIZE W x H x THICKNESS	TYPE	MATERIAL	FRAME	HEAD / JAMB	REMARKS
1	3'-0" x 6'-8" x 1-3/4"	A	WOOD	WOOD	1/A-1	
2	3'-0" x 6'-8" x 1-3/4"	A	WOOD	WOOD	1/A-1	
3	3'-0" x 6'-8" x 1-3/4"	B				EXISTING ALUMINUM/GLASS STOREFRONT DOOR
4	3'-0" x 6'-8" x 1-3/4"	A				EXISTING METAL DOOR

DOOR TYPES



DETAILS



1 WOOD JAMB / HEADER DETAIL

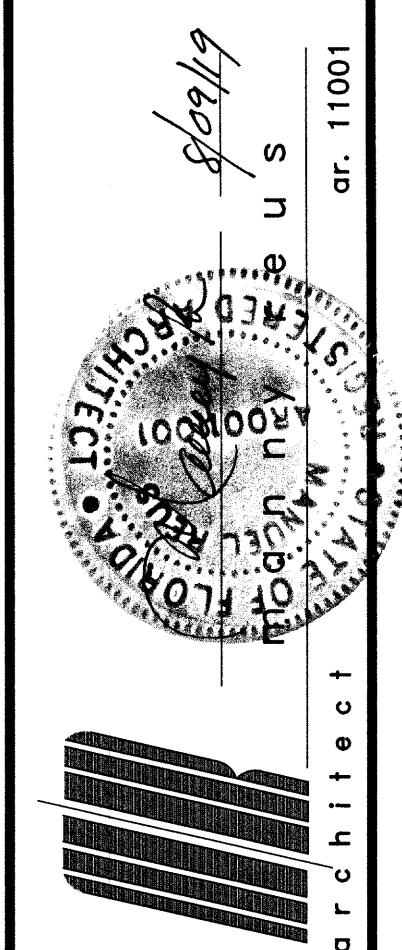
SCALE: NTS

FINISH SCHEDULE

ROOM	FLOOR	BASE	WALLS	CEILING
KITCHEN/DINING AREA	PORCELAIN TILE	C.TILE	GYPBOARD/ PAINT	EXPOSED
WORK AREA	PORCELAIN TILE	C.TILE	GYPBOARD/ PAINT/EGG SHELL PAINT	ACOUSTICAL TILE
CORRIDOR	PORCELAIN TILE	WOOD	GYPBOARD/ PAINT	ACOUSTICAL TILE
BATHROOMS	PORCELAIN TILE	C.TILE	GYPBOARD/ C. TILE/ EGG SHELL PAINT	ACOUSTICAL TILE

FINISHES NOTES

- INTERIOR FINISHES CLASSIFICATION:
(AS PER 2017 FBC BLDG 803.11)..... ROOMS AND ENCLOSED SPACES : C
- FLOOR TYPE, MANUFACTURER, COLOR AND APPLICATION TO BE SELECTED BY TENANT. G.C. TO SUBMIT SAMPLES AND SHOP DRAWINGS FOR OWNER AND ARCHITECT APPROVAL
- DOORS COLOR AND FINISHES TO BE SELECTED BY TENANT.
- ALL WALL COLORS TO BE SELECTED BY TENANT.
- ALL INTERIOR FINISHES SHALL COMPLY WITH NFPA 101-38.3.3 AND FBC 803.1 & TABLE 803.9



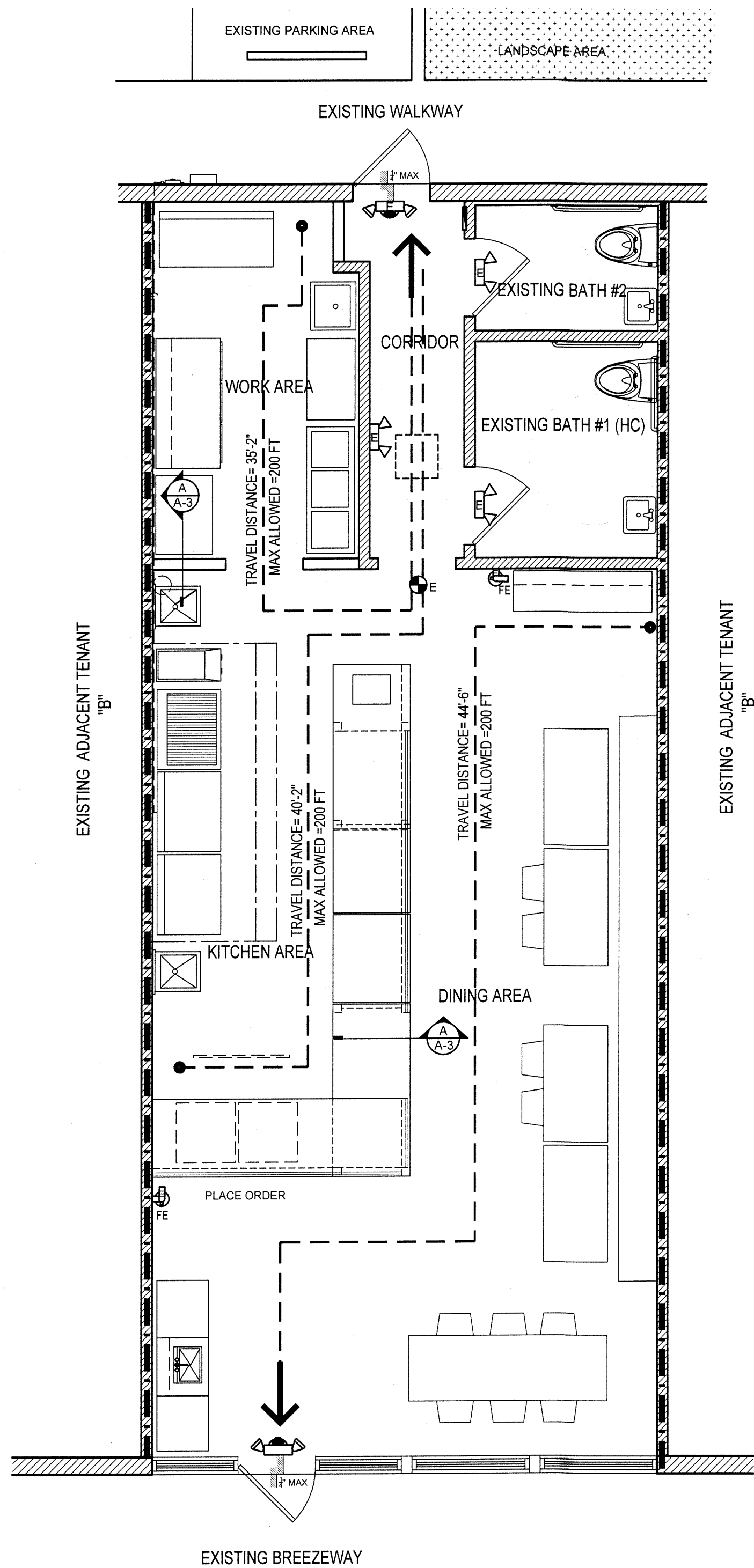
manny reus
architecture - space planning
18501 pines bvd - suite # 342
pembroke pines, florida. 33009
(p) 786-302.0581 (e) reusmanny@gmail.com

PROPOSED RESTAURANT - SMOKE BOX
FOR
GONZALEZ CAPITAL HOLDINGS, LLC
AT
8030 NW 154TH STREET
MIAMI LAKES, FLORIDA

DATE
07/31/19 PERMIT SET
08/09/19 FIRE DEPT COMM.

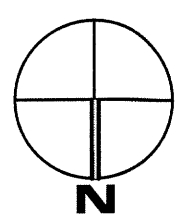
SHEET TITLE
FLOOR PLAN/
LIFE SAFETY PLAN/
SCHEDULES

DRAWN BY: M.A.
DESIGNED BY: M.A.
JOB NUMBER A2019-09
SHEET NO. A-1



LIFE SAFETY PLAN

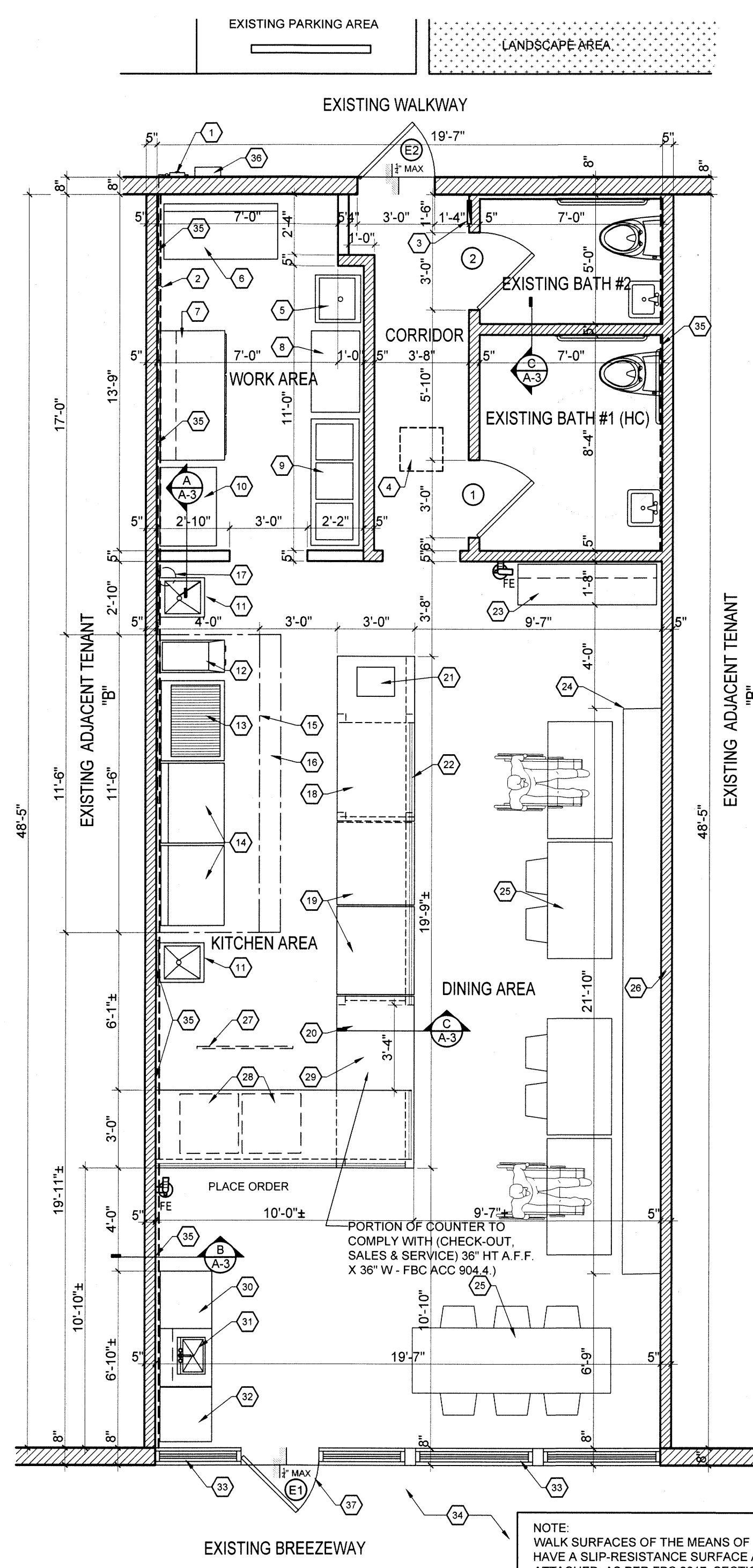
SCALE: 1/4"=1'-0"



LEGEND	
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	EMERGENCY LIGHT
	EMERGENCY LIGHT W/ BATTERY BACKUP
	SMOKE DETECTOR
MEANS OF EGRESS	
	EXIT DOOR
	DIRECTION OF EGRESS AND OCCUPANCY LOAD TO THE EXIT
	MAX TRAVEL DISTANCE= 200' L.F. (AS PER FBC TABLE 1017.2 & NFPA)
WALL ASSEMBLIES FIRE RATING	
	ONE HOUR FIRE RATED WALL

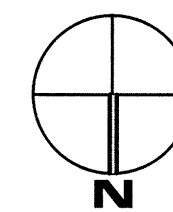
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NOR FIRE SPRINKLER SYSTEM



FLOOR PLAN

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



FLOOR PLAN KEYNOTES

- EXISTING GAS METER
- EXISTING GAS LINE @ CLG
- EXISTING ELECTRICAL PANEL TO BE REPLACED W/ A NEW ELECTRICAL PANEL
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- MOP SINK
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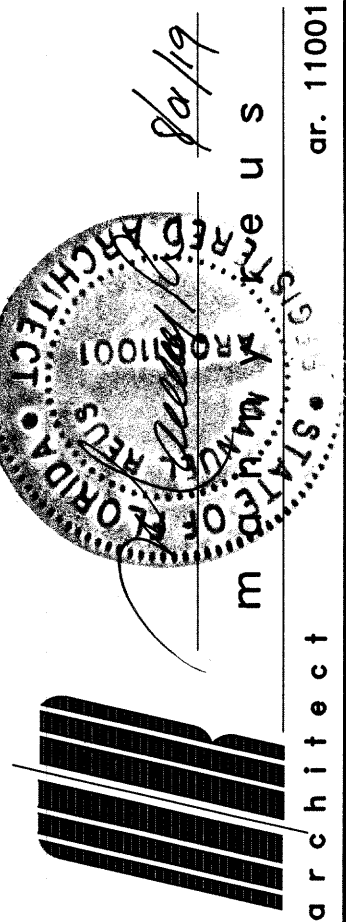
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No.	SIZE W x H x THICKNESS	TYPE	MATERIAL	FRAME	HEAD / JAMB	REMARKS
1	3'-0" x 6'-8" x 1-3/4"	A	WOOD	WOOD	1/A-1	
2	3'-0" x 6'-8" x 1-3/4"	A	WOOD	WOOD	1/A-1	
E1	3'-0" x 6'-8" x 1-3/4"	B				EXISTING ALUMINUM/GLASS STOREFRONT DOOR
E2	3'-0" x 6'-8" x 1-3/4"	A				EXISTING METAL DOOR

FINISH SCHEDULE				
ROOM	FLOOR	BASE	WALLS	CEILING
KITCHEN/DINING AREA	PORCELAIN TILE	C.TILE	GYPBOARD/ PAINT	EXPOSED
WORK AREA	PORCELAIN TILE	C.TILE	GYPBOARD/ PAINT/EGG SHELL PAINT	ACOUSTICAL TILE
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FINISHES NOTES	
1. INTERIOR FINISHES CLASSIFICATION: (AS PER 2017 FBC BLDG 803.1.1) ROOMS AND ENCLOSED SPACES: C	
2. FLOOR TYPE, MANUFACTURER, COLOR AND APPLICATION TO BE SELECTED BY TENANT. G.C. TO SUBMIT SAMPLES AND SHOP DRAWINGS FOR OWNER AND ARCHITECT APPROVAL.	
3. DOORS COLOR AND FINISHES TO BE SELECTED BY TENANT.	
4. ALL WALL COLORS TO BE SELECTED BY TENANT.	
5. ALL INTERIOR FINISHES SHALL COMPLY WITH NFPA 101-38.3.3 AND FBC 803.1 & TABLE 803.9	

DOOR TYPES		
DETAILS		
1. WOOD JAMB / HEADER DETAIL SCALE: NTS		

DETAILS		
1. WOOD JAMB / HEADER DETAIL SCALE: NTS		



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architecture - space planning
18501 pines blvd - suite # 342
pembroke pines, florida. 33029
(p) 786-302.0581 (e) reusmanny@gmail.com

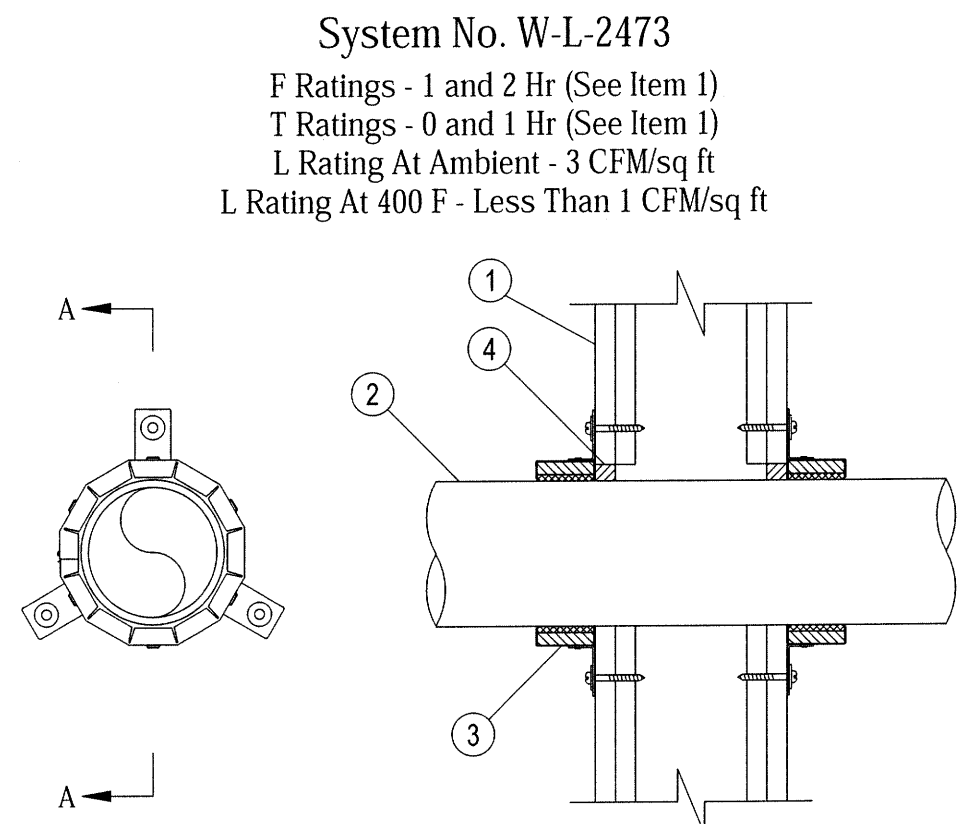
PROPOSED RESTAURANT - SMOKE BCX
FOR
GONZALEZ CAPITAL HOLDINGS, LLC
AT
8030 NW 154TH STREET
MIAMI LAKES
FLORIDA

DATE
07/31/19 PERMIT SET

SHEET TITLE
FLOOR PLAN/
LIFE SAFETY PLAN/
SCHEDULES

DRAWN BY
M.A.
CHECKED BY
JOB NUMBER
A2019-09
SHEET NO.
A-1

Miami Dade County Department of Regulatory And Economic Resources - Job Copy
3219018490 - 8/15/2019 2:10:16 PM
A-1.PDF
Examiner Date Time Stamp
Jose Frias 8/13/2019 1:37:53 AM
Jose Frias 8/8/2019 12:16:34 PM
Disp. Trade Stamp Name
FIRE Void
FIRE Approved



materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the construction features noted below.

studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced max 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC.

Wall and Partition Design. Max diam of opening is 5 in. (127 mm).

The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed. The hourly T Rating is 0 and 1 for 1 and 2 Hr rated assemblies, respectively.

system. The annular space between pipe and periphery of opening shall be min 0 in. (point contact) to max 1/2 in. (13 mm). Pipe or conduit to be rigidly supported on both sides of the wall assembly. The following types and sizes of nonmetallic pipes may be used:

for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

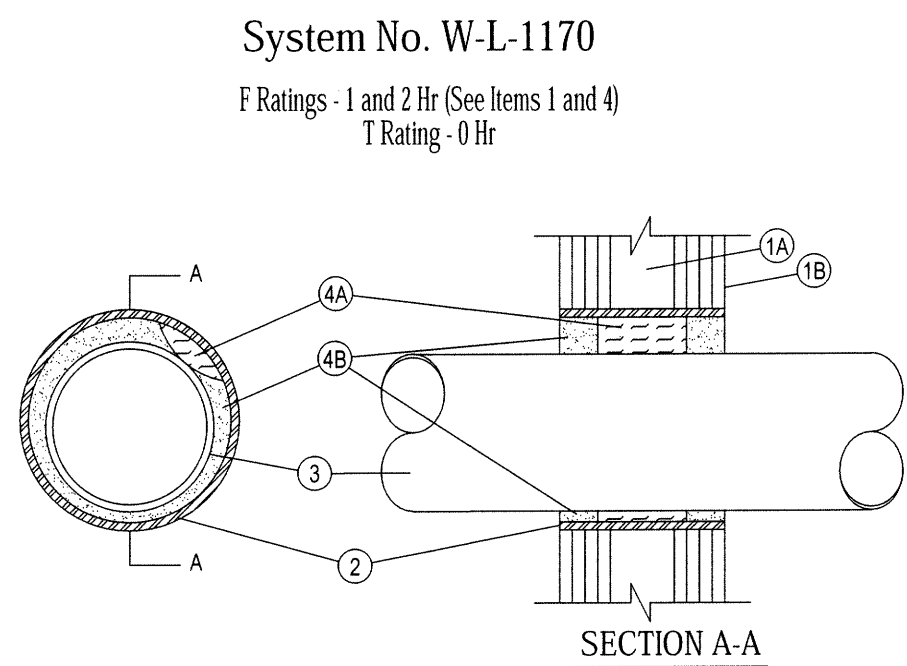
accompanying installation instructions. Collar to be installed and latched around the pipe and secured to both sides of the wall using the anchor hooks provided with the collar. (Minimum two anchor hooks for 1-1/2 and 2 in. (38 and 51 mm) diam pipes, three anchor hooks for 3 and 4 in. (76 and 102 mm) diam pipes. The anchor hooks are to be secured to the surface of wall with 3/16 in. (4.8 mm) diam by 2-1/2 in. (64 mm) long steel toggle bolts along with washers. As an alternate, min No. 10 by 1-1/2 in. (38 mm) long drywall or laminate screws with min 3/4 in. (19 mm) steel washers may be used. When the drywall or laminate screw is used, T Rating shall not exceed 1 hr. HILTI CONSTRUCTION CHEMICALS, DIV OF

the annular space, flush with each side of wall.
HILTI CONSTRUCTION CHEMICALS, DIV OF

*Bearing the UL Classification Mark

1 FIRE PENETRATION DETAIL

SCALE: NTS



1. Wall Assembly --- The 1 or 2 hr fire rated wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features.
A. Studs --- Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nom

2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC.
B. Gypsum Board* --- Nom 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or

U400 Series Design in the Fire Resistance Directory. Max diam of opening is 8 in.
The hourly F and T Ratings of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.

2. Steel Sleeve --- Max 8 in. diam, min 28 MSG sheet metal steel sleeve inserted in nom 8 in. diam circular opening
core drilled through wall. Length of steel sleeve to be equal to thickness of wall. As an alternate, steel sleeve may consist of nom 8 in. diam (or smaller) Schedule 10 (or heavier) steel pipe sleeve friction-fitted into circular cutouts in

the gypsum board layers. The ends of the steel sleeve shall be flush with each surface of the wall.
3. Through Penetrant --- One metallic pipe or tubing installed concentrically or eccentrically within the firestop system.
Pipe or tube to be rigidly supported on both sides of wall assembly. The annular space between the pipe or tube and

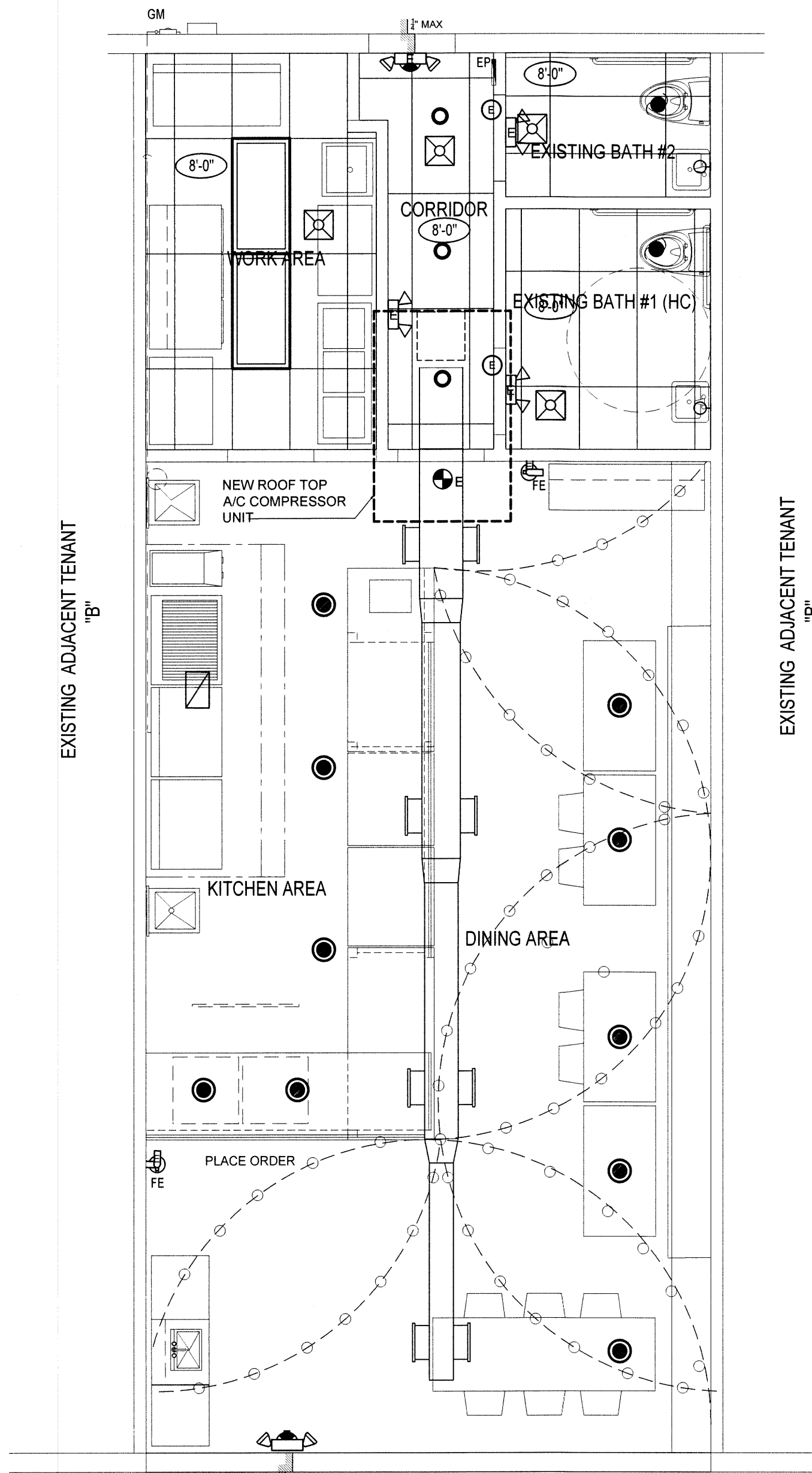
periphery of the steel sleeve shall be min 1/2 in. to max 1-3/8 in. The following types and sizes of metallic pipes or tube may be used:
A. Copper Tube --- Nom 6 in. diam (or smaller) Type L (or heavier) copper tube.
B. Copper Pipe --- Nom 6 in. diam (or smaller) Regular (or heavier) copper pipe.

4. Firestop System --- The firestop system shall consist of the following:
A. Packing Material --- Min 2-1/2 in. thickness of min 4 pcf mineral wool batt insulation, firmly packed into the opening. Mineral wool to be recessed from both sides of the assembly to accommodate the required thickness of fill material (Item 4B).
B. Fill, Void or Cavity Material* --- Sealant --- Min 5/8 in. or 1-1/4 in. thickness of fill material applied within the annulus, flush with both surfaces of wall for 1 and 2 hr walls, respectively.

HILTI, INC. - CP806 Flexible Firestop Sealant or CP601S Elastomeric Firestop Sealant
*Bearing the UL Classification Mark

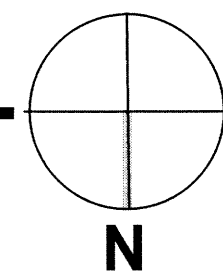
2 FIRE PENETRATION DETAIL

SCALE: NTS



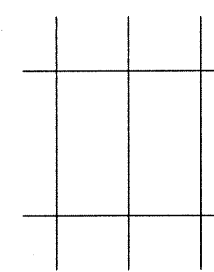
REFLECTED CEILING PLAN

SCALE 1/4"=1'-0"

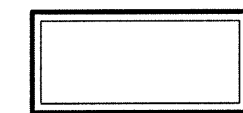


REFLECTED CEILING PLAN LEGEND

CEILING HEIGHTS AS PER PLAN



2' X 4' SUSPENDED ACOUSTICAL CEILING SYSTEM



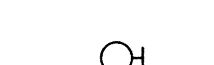
RECESSED 2 x 4 LED LIGHT FIXTURE



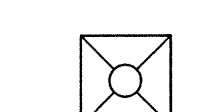
HANGING LIGHTS



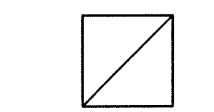
STRINGS LIGHTS



WALL MOUNTED LIGHT FIXTURE



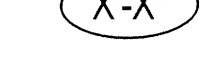
SUPPLY AIR DIFFUSER, REFER TO MECHANICAL DRAWINGS FOR EXISTING, RELOCATED AND NEW



RETURN AIR GRILLE (REFER TO MECHANICAL DWGS FOR EXISTING, RELOCATED AND NEW



EXHAUST FAN



TYPICAL CEILING HEIGHT



EXISTING COMBINATION EXIT / EMERGENCY LIGHT



EXISTING EMERGENCY LIGHT

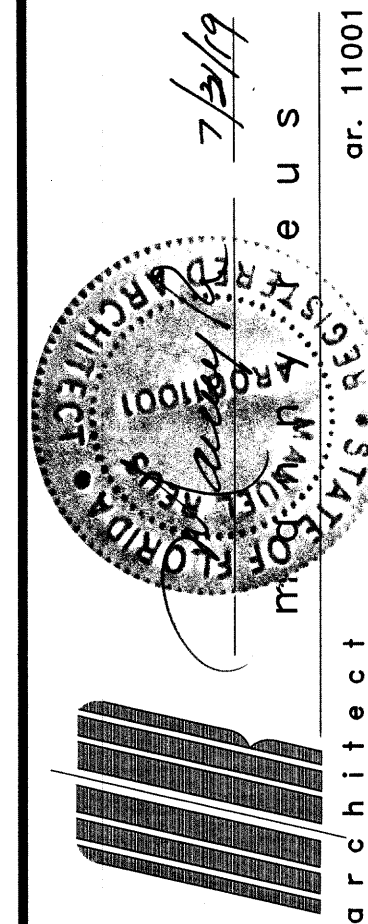


EXISTING EXIT SIGN

REFLECTED CEILING PLAN

GENERAL NOTES

- BUILDING SYSTEMS, FIXTURES, AND DEVICES SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS SUCH AS LIGHT FIXTURES & AIR DIFFUSERS ARE SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS TO DENOTE LOCATION AND LAYOUT PATTERN WHERE PLACEMENT IS CRITICAL. THE ARCHITECTURAL DRAWINGS DO NOT REPRESENT COMPLETE SYSTEMS THAT ARE SHOWN ON OTHER DWGS. CONTRACTOR IS TO COORDINATE WITH ALL DISCIPLINES.
- REFER TO MECHANICAL DRAWINGS FOR TYPES AND SIZES OF SUPPLY AND RETURN GRILLES.
- LIGHT FIXTURES, ALARM DEVICES, AND EXIT SIGNS MAY BE SHOWN ON THE ARCHITECTURAL REFLECTED CEILING PLANS FOR LAYOUT CLARITY ONLY. SEE ELECTRICAL DWGS FOR OTHER REQUIREMENTS.
- REFER TO ELECTRICAL DRAWINGS FOR LIGHTING SCHEDULE, FIRE ALARM AND LIGHTING FIXTURES NOT SHOWN ON ARCHITECTURAL DWGS.
- WHERE AN ITEM IS MOUNTED ON THE CEILING, IT SHALL BE CENTERED ON THE ELEMENT (CEILING TILE, GYPSUM BOARD BAND, ETC) IN WHICH IT IS PLACED UNLESS INDICATED OTHERWISE.
- CEILING HEIGHTS ARE BASED ON DIMENSION ABOVE FINISH FLOOR.
- CONTRACTOR WILL BE RESPONSIBLE TO NOTIFY ARCHITECT IMMEDIATELY FOR ANY CONFLICTS WITHIN RCP PRIOR TO INSTALLATION.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING LOCATIONS OF FIRE ALARM DEVICES, SECURITY DEVICES, FIRE PROTECTION DEVICES NOT SHOWN ON THESE DRAWINGS. REFER TO FIRE PROTECTION DWGS, FIRE ALARM DWGS. AND SECURITY DWGS.



manny reus
architecture - space planning
18501 pines blvd - suite # 342
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(p) 786-302.0581 (e) reusmanny@gmail.com

PROPOSED RESTAURANT - SMOKE BOX

FOR
GONZALEZ CAPITAL HOLDINGS, LLC
AT
8030 NW 134TH STREET
MIAMI LAKES
FLORIDA

DATE

07/31/19 PERMIT SET

SHEET TITLE
REFLECTED CEILING PLAN/
FIRE PENETRATION DETAILS

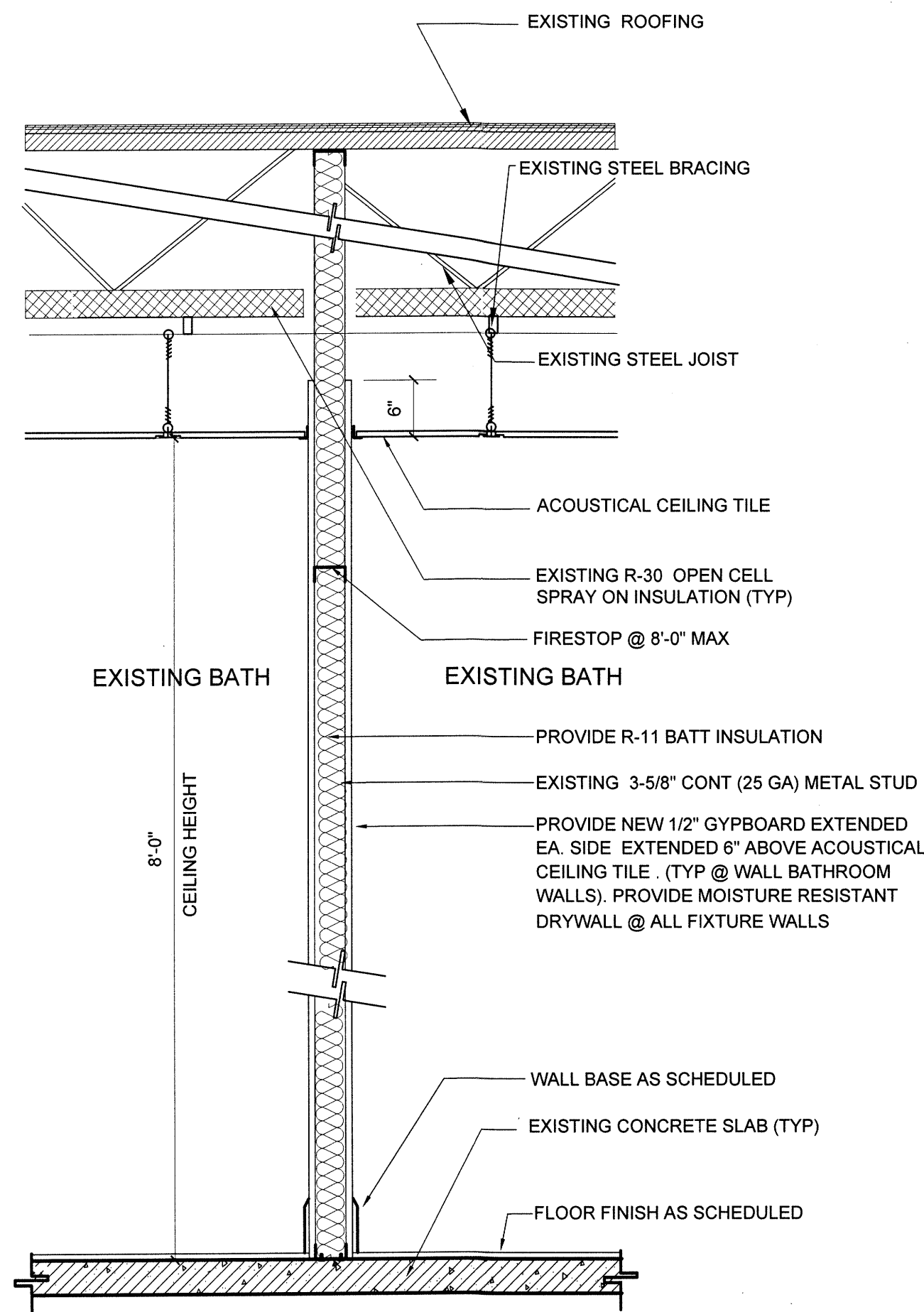
DRAWN BY:
M.A.

CHECKED BY:

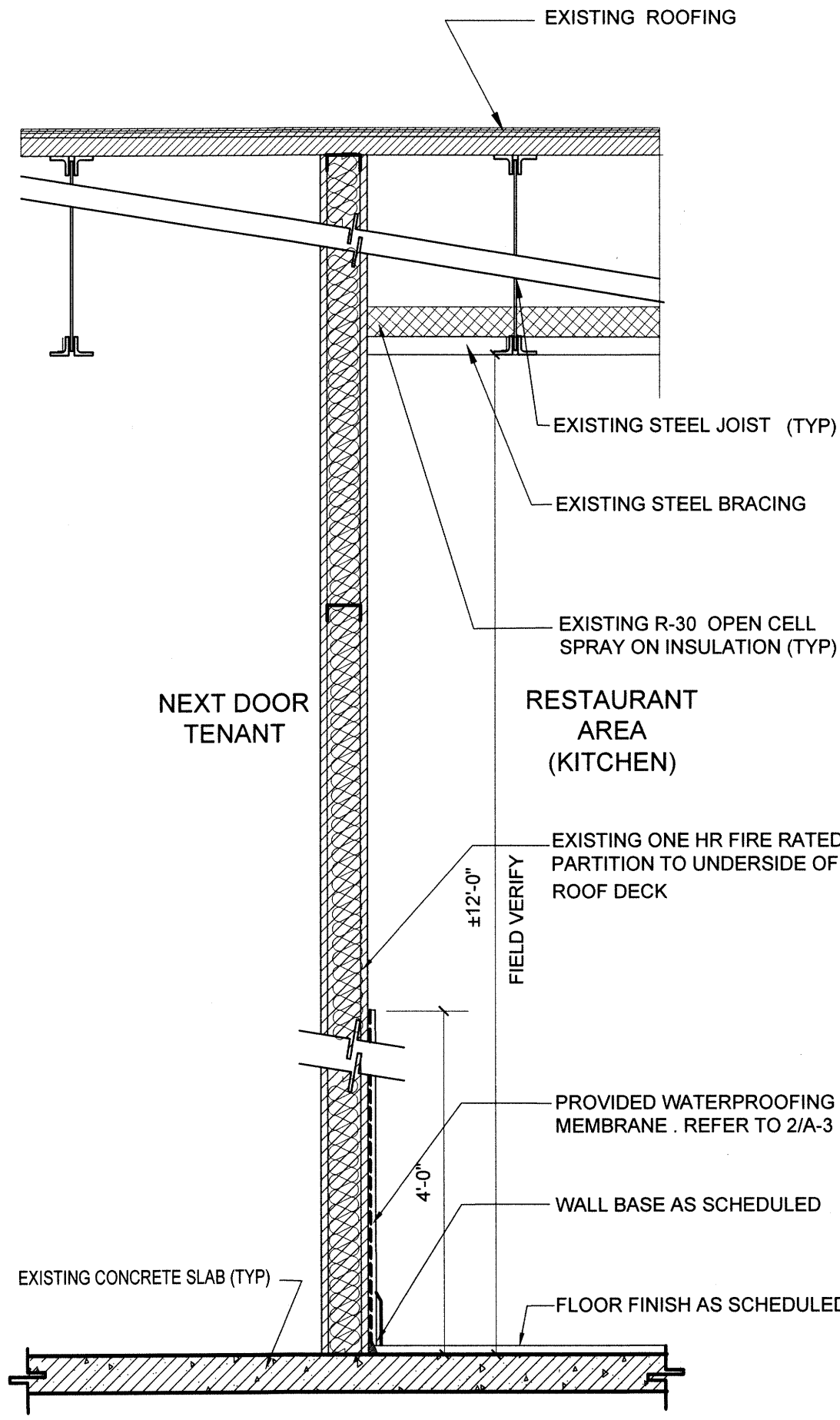
JOB NUMBER
A2019-09

SHEET NO.

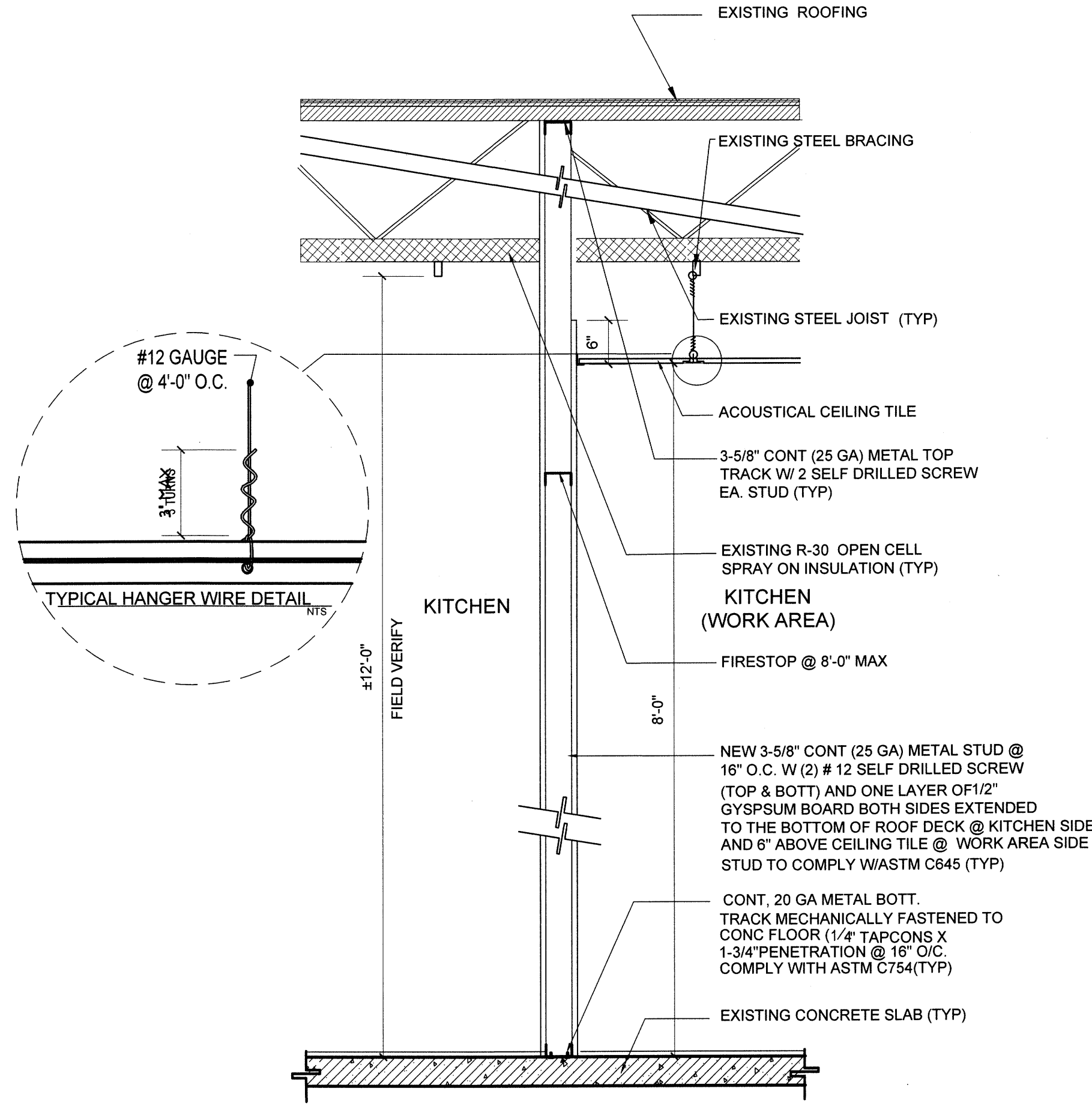
A-2



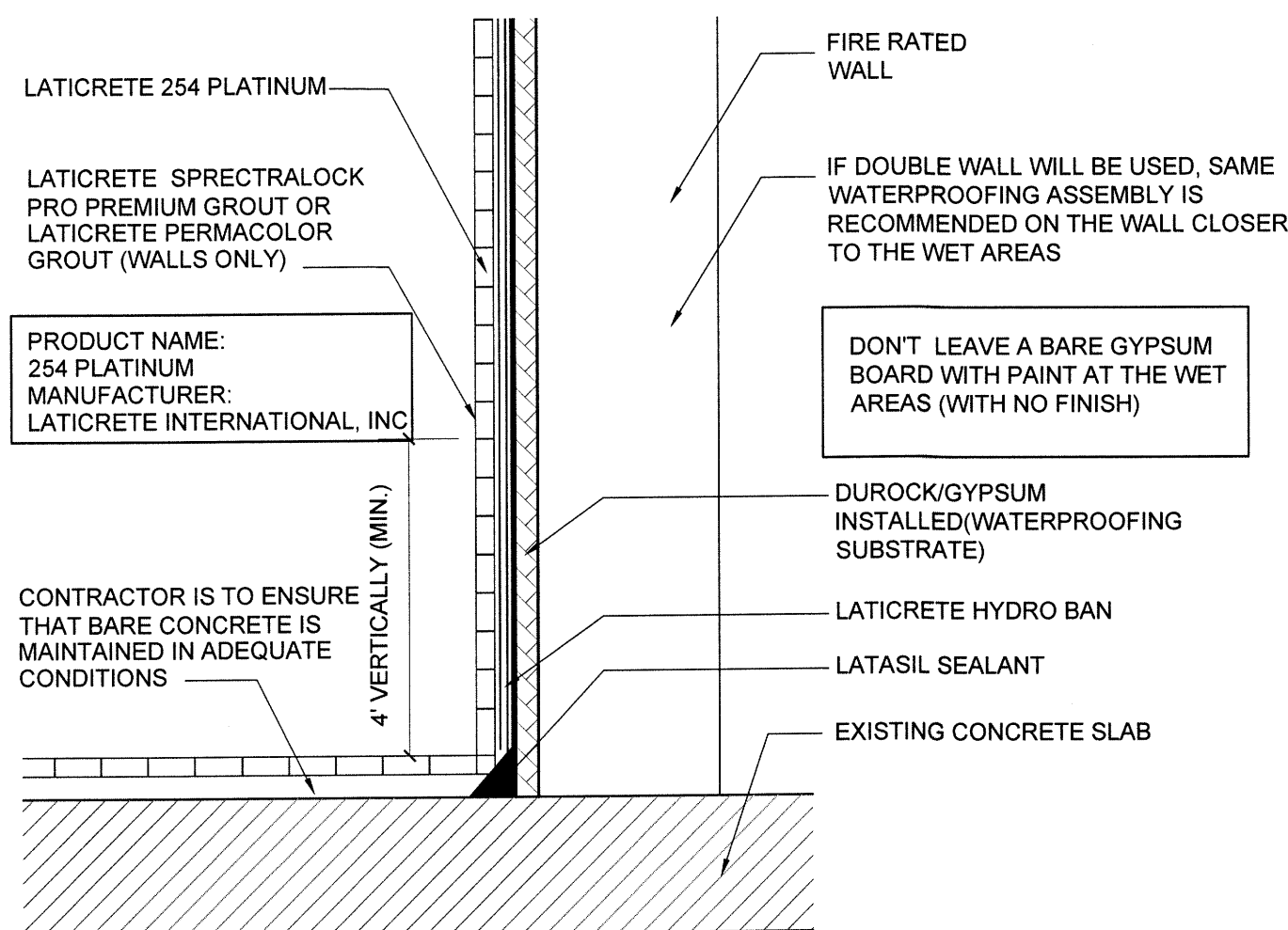
SECTION C-A-3
SCALE 3/4"=1'-0"



SECTION B-A-3
SCALE 3/4"=1'-0"



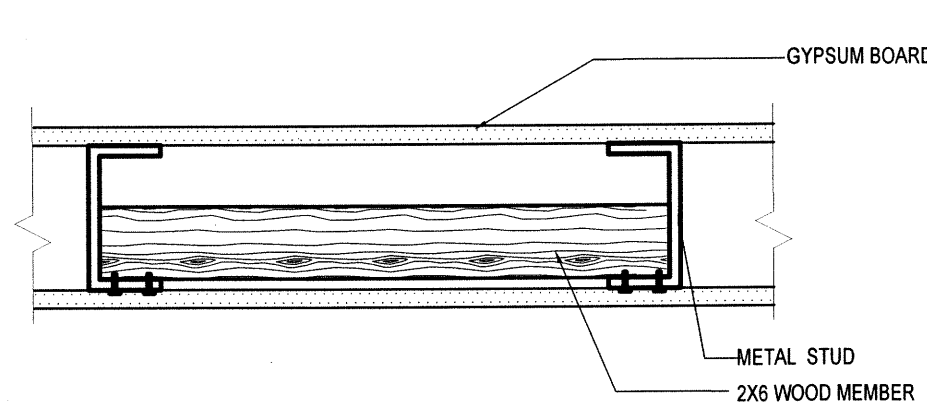
SECTION A-A-3
SCALE 3/4"=1'-0"



2 WALL WATERPROOFING DETAIL
N.T.S.

NOTES:

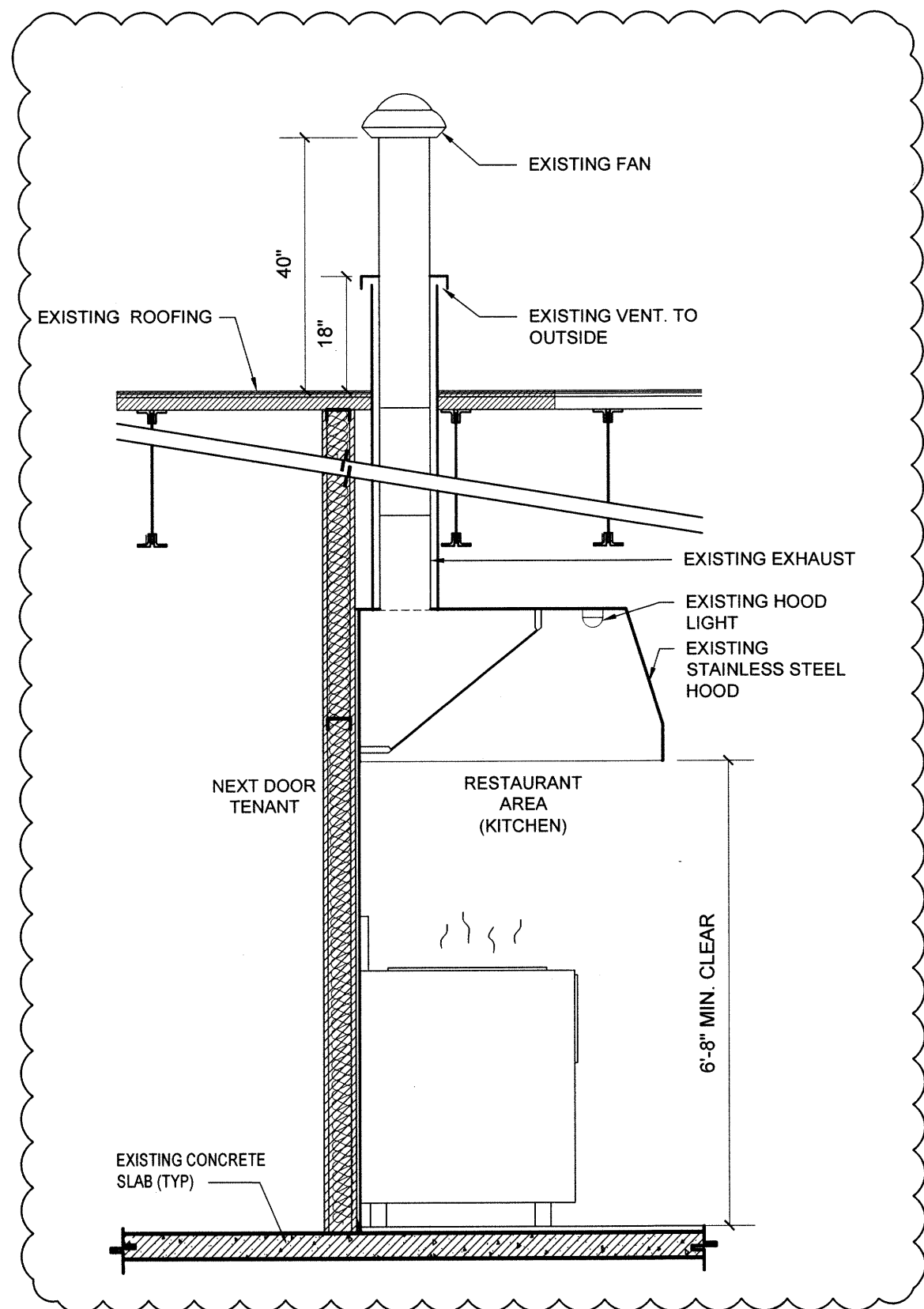
- 1.-IT IS RECOMMENDED THAT THE INDICATED LATICRETE WATERPROOFING ASSEMBLY BE INSTALLED AT THE INDICATED LOCATIONS AT AREAS WHERE FRP PANELS WILL BE USED.
- 2.-ALL WATERPROOFING IS TO BE INSTALLED ON AN APPROVED SUBSTRATE, SUCH AS GYPSUM OR DUROCK, AS PER MANUFACTURER'S RECOMMENDATIONS.
- 3.-INSTALL WATERPROOFING IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, APPLICABLE FBCs, AND GENERAL INDUSTRY STANDARDS, PAYING CLOSE ATTENTION TO PRODUCT LIMITATIONS.



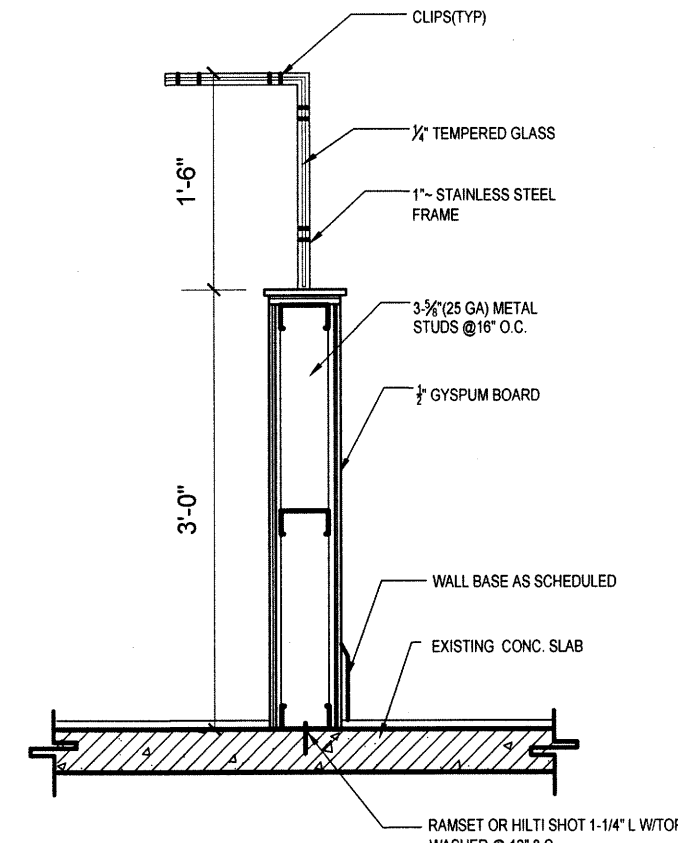
1 BACKING DETAIL
N.T.S.

BACKING NOTES:

- 1.- STUDS IN BEARING WALLS, EXTERIOR WALLS AND NONBEARING PARTITIONS SUPPORTING WALL HUNG PLUMBING FIXTURES AND WALL CABINETS SHALL BE NOT LESS THAN 2X4, WHERE SPACED NOT MORE THAN 16" ON CENTER OR, NOT LESS THAN 2 INCH BY 6 INCH, WHERE SPACED NOT MORE THAN 24 INCHES ON CENTER.
- 2.- A MINIMUM 2 INCH BY 4 INCH HORIZONTAL WOOD MEMBER, SECURELY FASTENED TO NOT LESS THAN TWO SUCH STUDS, SHALL BE INSTALLED FOR THE ATTACHMENT OF EACH WALL HUNG PLUMBING FIXTURE AND WALL CABINET.
- 3.- STEEL STUDS SUPPORTING WALL HUNG PLUMBING FIXTURES SHALL BE DOUBLED OR NOT LESS THAN 20 GAUGE WITH A MINIMUM EFFECTIVE MOMENT OF INERTIA EQUAL TO 0.864 IN.
- 4.- SUCH STUDS SHALL BE RIGIDLY CONNECTED TOP AND BOTTOM TO PREVENT SIGNIFICANT END ROTATION OR DISPLACEMENT. AS PER FBC 2510.5.1.2.
- 5.- ALL WOOD BLOCKING TO BE FIRE RATED.



SECTION E-A-3
EXISTING KITCHEN HOOD EXHAUST SECTION
SCALE 1/2"=1'-0"



SECTION D-A-3
SCALE 3/4"=1'-0"

PARTITION / WALL GENERAL NOTES	
1.	PROVIDE METAL BACKING OR FIRE RETARDANT P.T. WOOD BLOCKING AT ALL WALL MOUNTED FIXTURES, SHELVING, ACCESSORIES, ETC.
2.	ALL THERMAL INSULATING MATERIAL PROVIDED ON THIS PROJECT SHALL COMPLY WITH F.B.C. 719.1.
3.	INSULATING MATERIALS, WHERE CONCEALED AS INSTALLED IN BUILDINGS OF ANY TYPE CONSTRUCTION, SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPED INDEX OF NOT MORE THAN 450 AS PER F.B.C. 719.2.
4.	INTERIOR PARTITIONS, PERMANENT, FULL-HEIGHT INTERIOR WALLS AND PARTITIONS SHALL BE DESIGNED TO RESIST A LATERAL LIVE LOAD NOT LESS THAN 5 POUNDS PER SQUARE FOOT (239 PA).
5.	PROVIDE ALL FIRE STOPS @ 8'-0" MAX.
6.	ALL EXPOSED GYP. BOARD SHALL BE PAINTED UNLESS OTHERWISE NOTED OR FINISHED WITH OTHER MATERIAL. SEE FINISH SCHEDULE.
7.	DO NOT ALLOW GYP. BD. TO TOUCH STRUCTURE - STOP GYP BOARD 1/4" BEFORE STRUCTURE AND FILL THE JOINT WITH SEALANT.
8.	MOISTURE RESISTANT GYPSUM BOARD TO BE USED ON WET SIDE OF WALLS OR WHERE NOTED ON PLAN.
9.	ALL DIMENSIONS ARE TAKEN FROM FACE OF STUD UNLESS OTHERWISE NOTED.



1.-IT IS RECOMMENDED THAT THE INDICATED LATICRETE WATERPROOFING ASSEMBLY BE INSTALLED AT THE INDICATED LOCATIONS AT AREAS WHERE FRP PANELS WILL BE USED.

2.-ALL WATERPROOFING IS BE INSTALLED ALONG AN APPROVED SUBSTRATE, SUCH AS GYPSUM OR DUROCK, AS PER MANUFACTURER'S RECOMMENDATIONS

3.- CONTRACTOR IS TO INSTALL WATERPROOFING IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, APPLICABLE EFC, AND GENERAL INDUSTRY STANDARDS, PAYING CLOSE ATTENTION TO PRELIMINARY CONDITIONS.



1- STUDS IN BEARING WALLS, EXTERIOR WALLS AND NONBEARING PARTITIONS SUPPORTING WALL HUNG PLUMBING FIXTURES AND WALL CABINETS SHALL BE NOT LESS THAN 2X4, WHERE SPACED NOT MORE THAN 16" ON CENTER OR, NOT LESS THAN 2 INCH BY 6 INCH, WHERE SPACED NOT MORE THAN 24 INCHES ON CENTER.

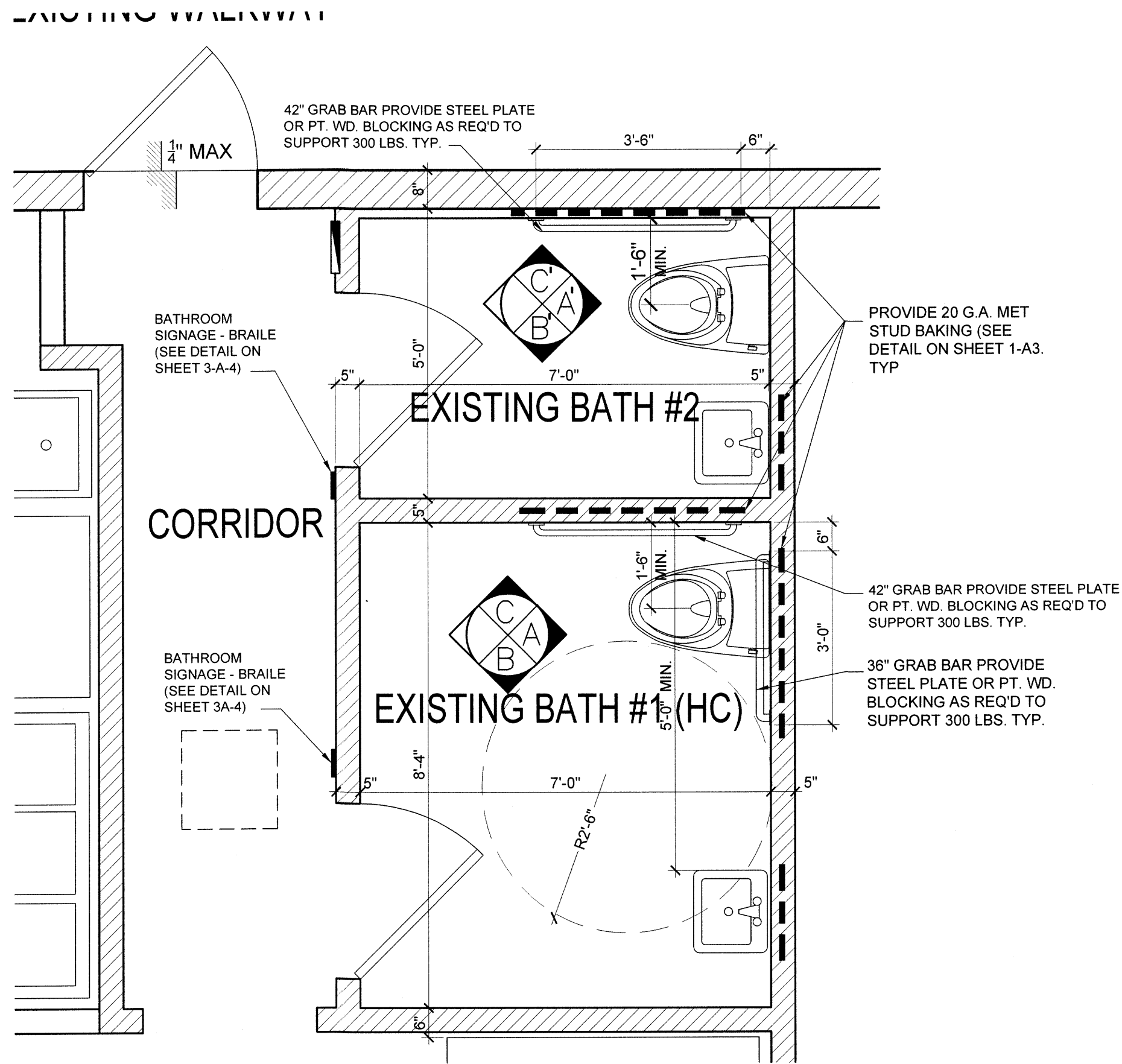
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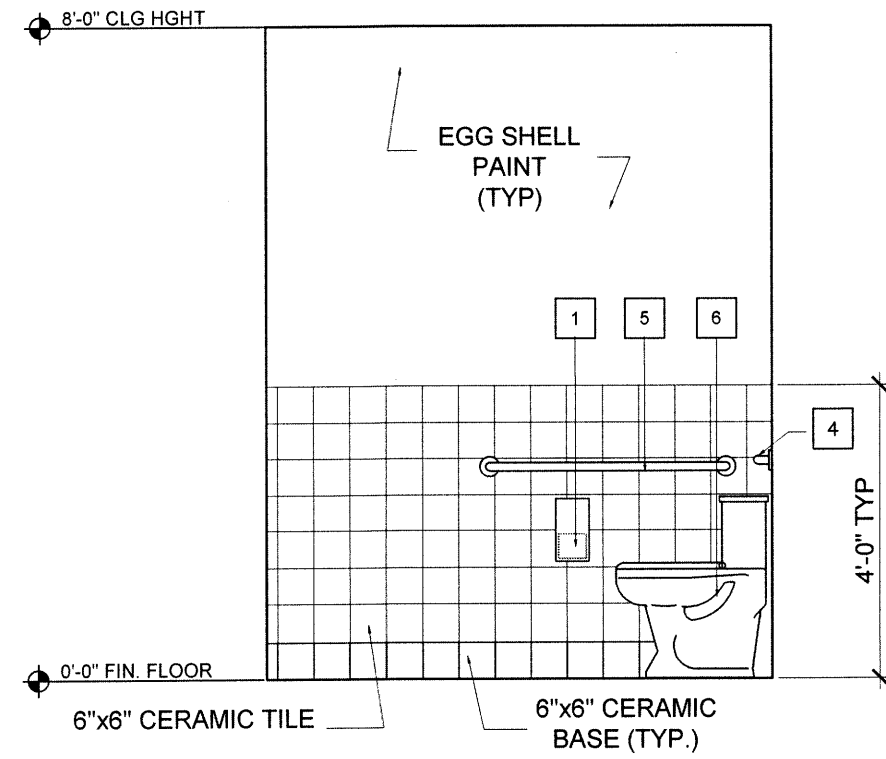
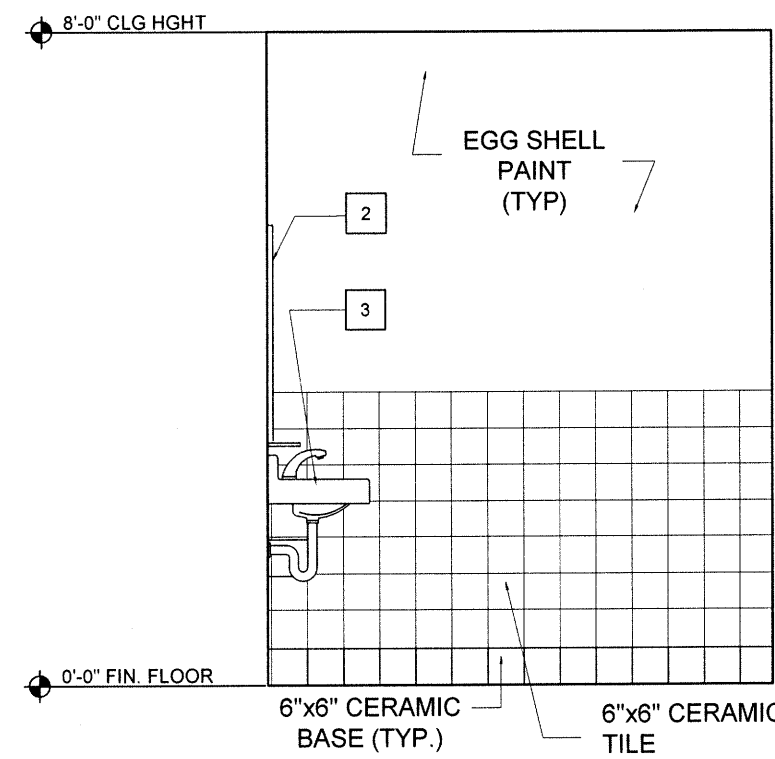
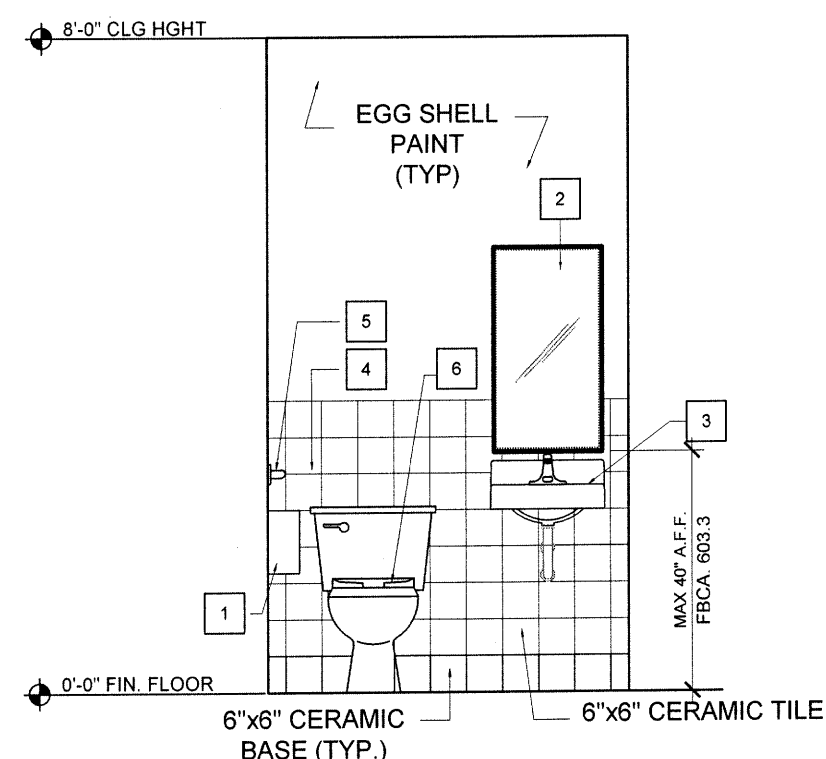
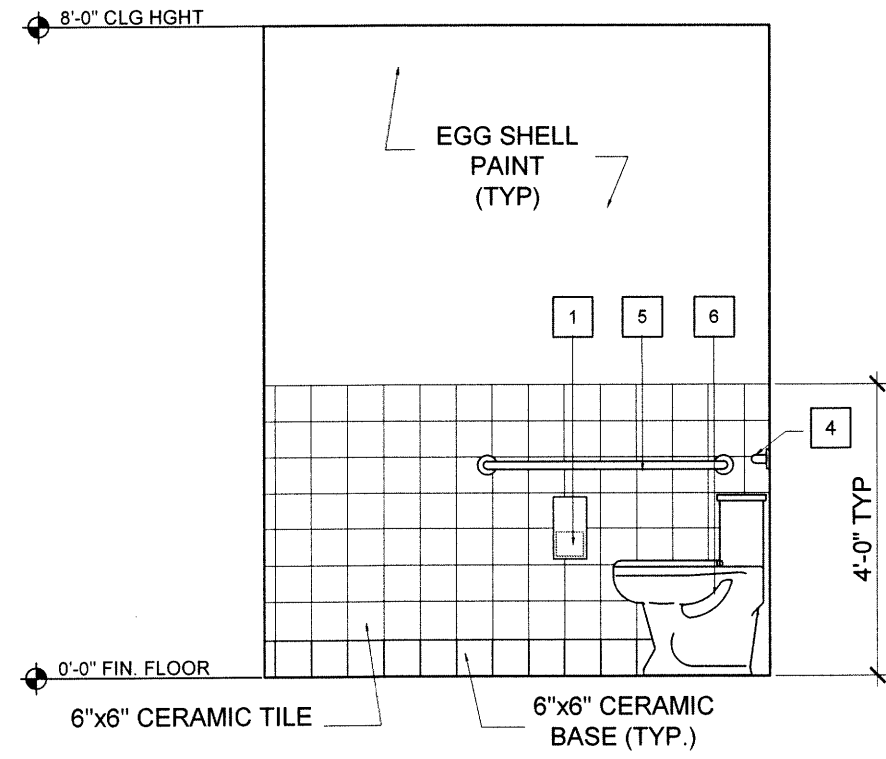
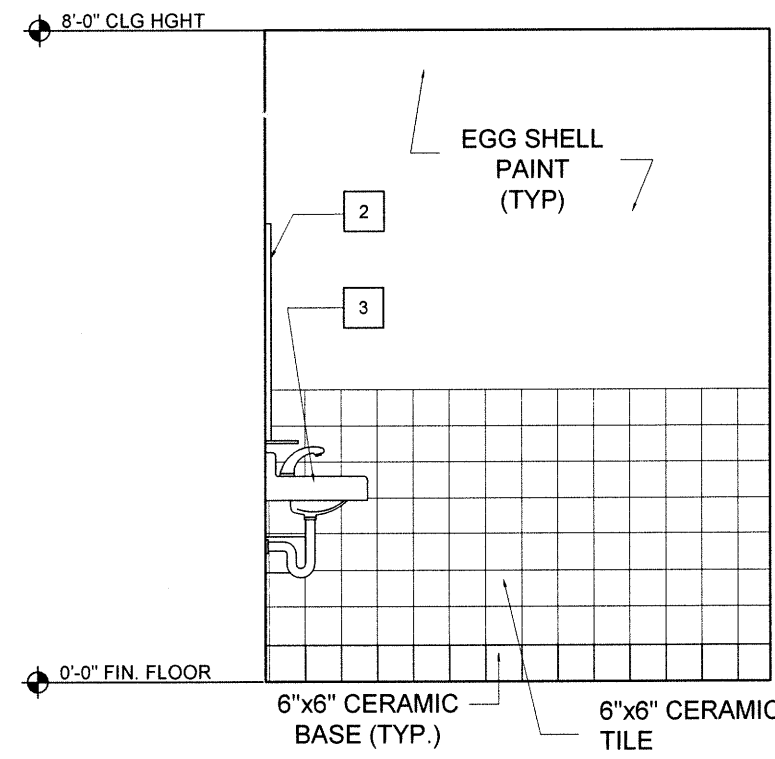
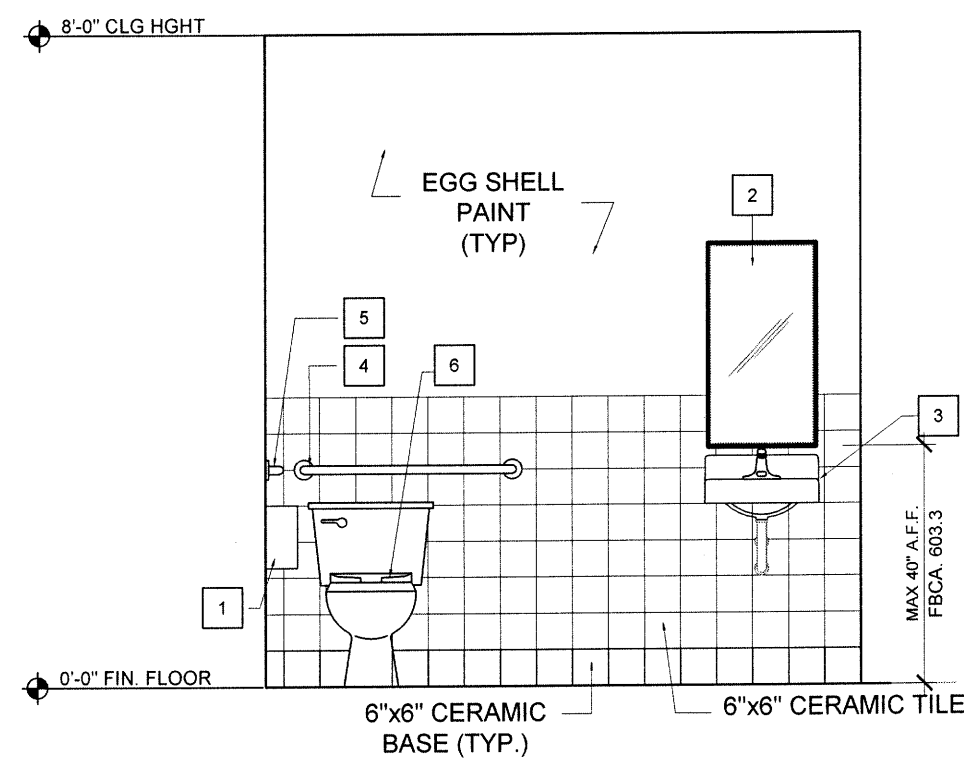
5.- ALL WOOD BLOCKING TO BE FIRE RATED



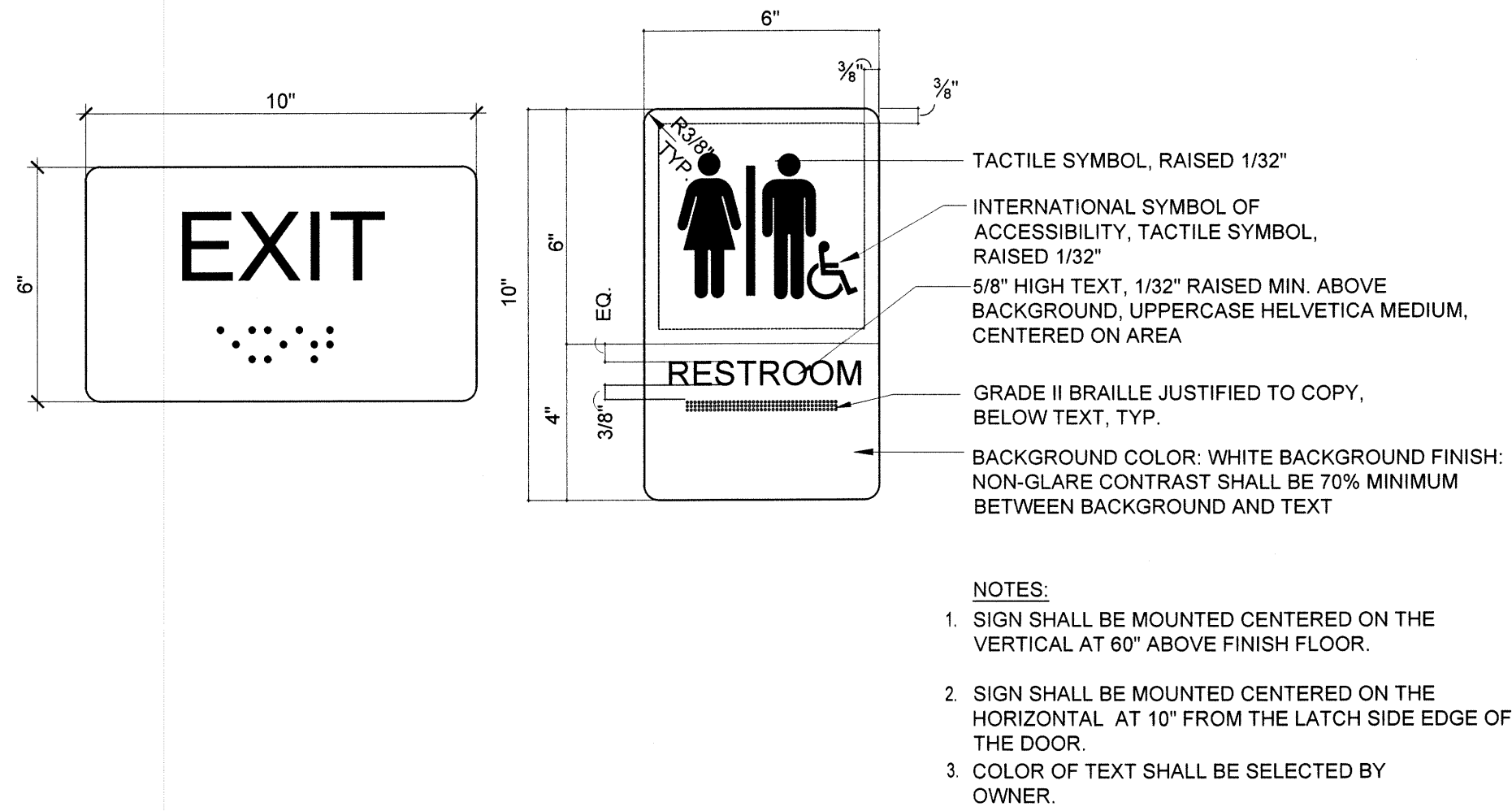
1. PROVIDE METAL BACKING OR FIRE RETARDANT P. T. WOOD BLOCKING AT ALL WALL MOUNTED FIXTURES, SHELVING, ACCESSORIES, ETC.
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3. INSULATING MATERIALS, WHERE CONCEALED AS INSTALLED IN BUILDINGS OF ANY TYPE CONSTRUCTION, SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPED INDEX OF NOT MORE THAN 450 AS PER F.B.C. 719.2.
4. INTERIOR PARTITIONS, PERMANENT, FULL-HEIGHT INTERIOR WALLS AND PARTITIONS SHALL BE DESIGNED TO RESIST A LATERAL LINE LOAD NOT LESS THAN 5 POUNDS PER SQUARE FOOT (239 PA).
5. PROVIDE ALL FIRE STOP@S 8'-0" MAX.
6. ALL EXPOSED GYP. BOARD SHALL BE PAINTED UNLESS OTHERWISE NOTED OR FINISHED WITH OTHER MATERIAL. SEE FINISH SCHEDULE.
7. DO NOT ALLOW GYP. BD. TO TOUCH STRUCTURE - STOP GYP BOARD 1/4" BEFORE STRUCTURE AND FILL THE JOINT WITH SEALANT.
8. MOISTURE RESISTANT GYPSUM BOARD TO BE USED ON WEST SIDE OF WALLS OR WHERE NOTED ON PLAN.
9. ALL DIMENSIONS ARE TAKEN FROM FACE OF STUD UNLESS OTHERWISE NOTED.



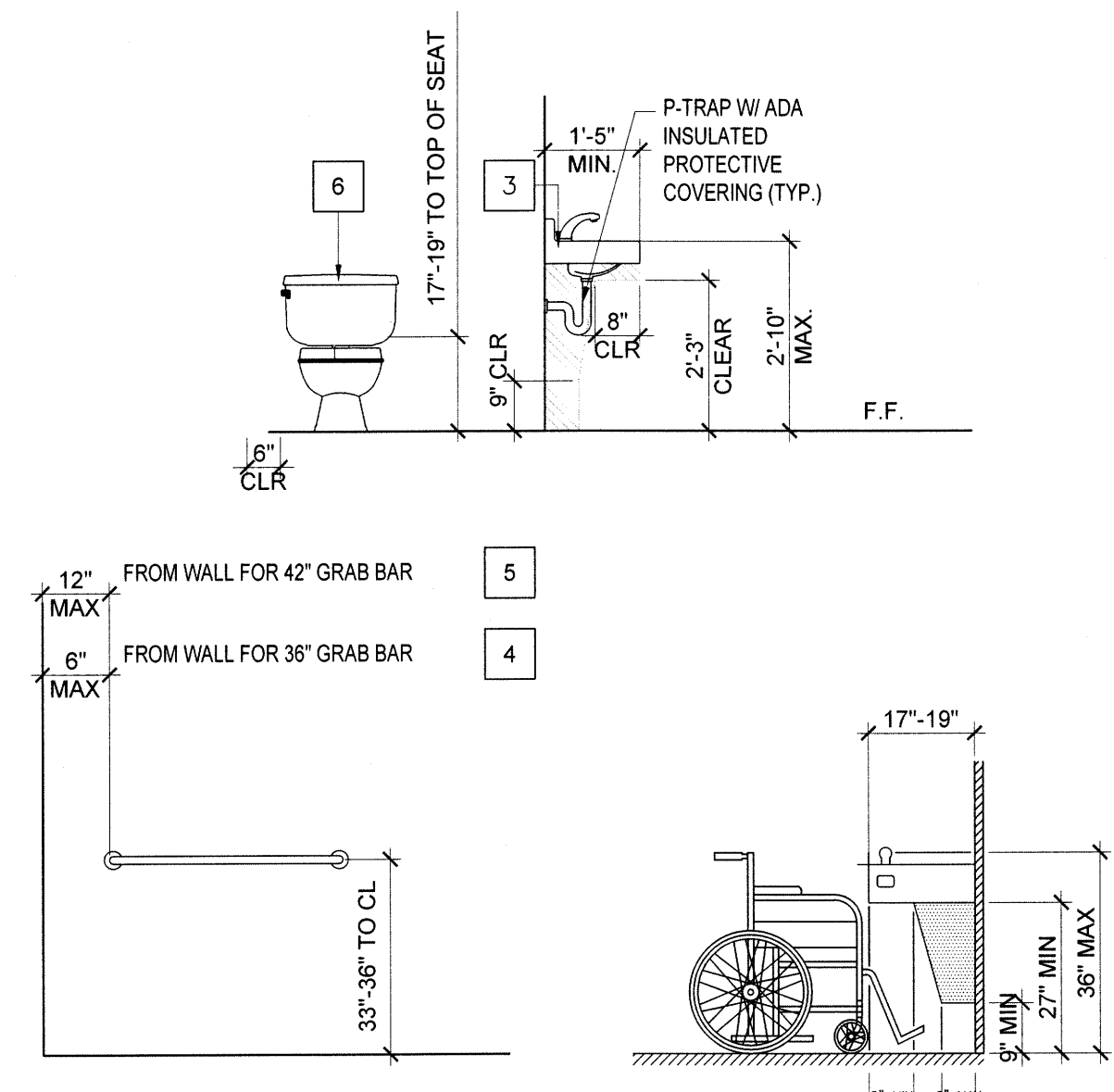
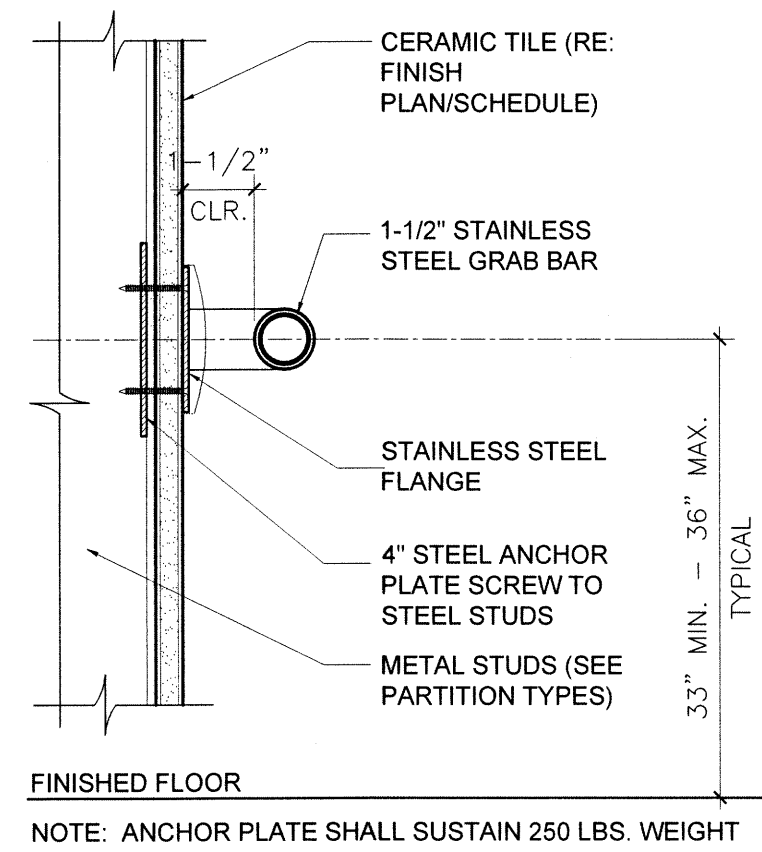
1 **TYPICAL RESTROOM ENLARGEMENT PLAN**
SCALE: 1/2"=1'-0"



2 **RESTROOM ELEVATIONS**
SCALE: 3/8"=1'-0"

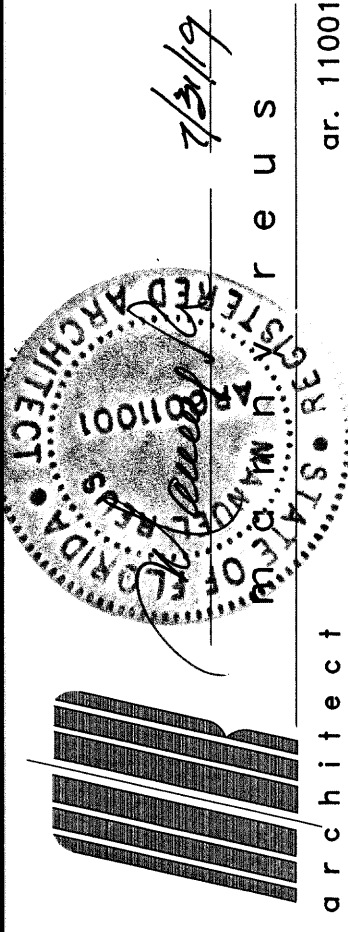


3 **RESTROOM SIGNAGE**
SCALE: 3/8"=1'-0"



BATH GENERAL NOTES	
1.	HANDICAP ACCESSIBLE WATER CLOSET SHALL BE MOUNTED SO THAT THERE IS EXACTLY 1'-6" BETWEEN FACE OF ADJACENT SIDE WALL AND THE CENTERLINE OF THE WATER CLOSET.
2.	ALL WALL MOUNTED SINKS AND LAVATORIES SHALL BE MOUNTED TO ALLOW 1'-3" MINIMUM BETWEEN THE CENTERLINE OF THE SINK AND THE FACE OF THE ADJACENT WALL, FIXED EQUIPMENT, CASEWORK, ETC.
3.	FOR GRAB BAR ANCHOR PLATE. SEE DETAIL 4 ON THIS SHEET.
4.	PROVIDE BLOCKING FOR ALL RESTROOM ACCESSORIES.
5.	PROVIDE CONT. SEALANT ON ALL SIDES OF EACH FIXTURE (TYP.)
6.	ALL FLOOR FINISHES SHALL BE NON SLIP/ NON SKID.
7.	CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR PLUMBING FIXTURES AND ACCESSORIES TO ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO BUY OUT AND INSTALLATION.
8.	WALL HUNG FIXTURES SHALL BE SUPPORTED IN ACCORDANCE WITH FBC 405.4.3
9.	HOT WATER AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AS PER F.B.C. 11-406.5
10.	REFER TO PLUMBING DRAWINGS FOR PLUMBING FIXTURE SCHEDULE.
11.	REFER TO FINISH PLAN AND FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
12.	ALL DIMENSIONS ARE TO THE FACE OF STUD UNLESS OTHERWISE NOTED. CLEAR DIMENSIONS SHALL BE TAKEN FROM FINISH FACE OF ADJ. PARTITION.

EQUIPMENT AND RESTROOM ACCESSORIES	
1	SURFACE MOUNTED TOILET TISSUE DISPENSER MODEL TO BE SELECTED BY OWNER
2	18" x 36" MIRROR WITH METAL FRAME MODEL TO BE SELECTED BY OWNER
3	WALL MOUNT LAVATORY (SEE PLUMBING DWGS) MODEL TO BE SELECTED BY OWNER
4	1-1/2" X 36" STAINLESS STEEL GRAB BAR WITH CONCEALED MOUNTING MODEL TO BE SELECTED BY OWNER
5	1-1/2" X 42" STAINLESS STEEL GRAB BAR WITH CONCEALED MOUNTING MODEL TO BE SELECTED BY OWNER
6	HANDICAP ACCESSIBLE WATER CLOSET (SEE PLUMBING DWGS)



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architecture - space planning
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pembroke pines, florida. 33029
(p) 788-302.0581 (e) reusmanny@gmail.com

PROPOSED RESTAURANT - SMOKE BOX
FOR
GONZALEZ CAPITAL HOLDINGS, LLC
AT
8030 NW 154TH STREET
MIAMI LAKES
FLORIDA

DATE
07/31/19 PERMIT SET

SHEET TITLE
BATH DETAILS

DRAWN BY:
M.A.
CHECKED BY:
JOB NUMBER
A2019-09
SHEET NO.
A-4

ARS ENVIRONMENTAL, INC.

Environmental Consulting Services
Asbestos Business License #ZA-0000164

Asbestos Consulting • Radon Measurements • Lead Assessments • Indoor Air Quality Testing • Mold Investigations

Today's Date: 4/16/2019

Project Number: 20190746

Page 1 of 11

Prepared For:

Mylo Gonzalez
Gonzalez Capital Holdings, LLC
8030 North West 154th Street
Miami Lakes, FL

Job Site:

Commercial Space
8030 North West 154th Street
Miami Lakes, FL

Asbestos Survey — Project Summary

Pursuant to your request; ARS Environmental, Inc., has performed an Asbestos Building Survey on 4/15/2019 and limited to the above referenced location.

The **Interior** of the above referenced location was visually inspected to identify building materials that may contain asbestos. Suspect materials were collected and samples sent to laboratory for analysis.

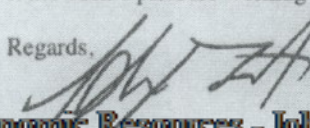
The **Exterior/Roof** was not sampled. If the **Exterior/Roof** system will be disturbed by renovation or demolition samples of the materials that will be affected should be obtained and analyzed to determine asbestos content prior to any disturbance.

Laboratory Results

Based on the laboratory analysis, no asbestos was detected in amounts greater than 1% in the secured bulk samples.

It has been a pleasure working with you. Please call on us again.

Regards,



Alex Proff,
ARS Environmental, Inc.

Miami Dade County Department of Regulatory And Economic Resources - Job Copy

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Asbestos Report.pdf

10697 Cleary Boulevard, #305, Plantation, FL 33324 • Phone 954-227-2402 • Fax 866-816-5110

www.arsenvironmental.com • sales@arsenvironmental.com

ARS ENVIRONMENTAL, INC.

Environmental Consulting Services
Asbestos Business License #ZA-0000164

Asbestos Consulting • Radon Measurements • Lead Assessments • Indoor Air Quality Testing • Mold Investigations

Today's Date: 4/16/2019

Project Number: 20190746

Page 2 of 11

Prepared For:

Mylo Gonzalez
Gonzalez Capital Holdings, LLC
8030 North West 154th Street
Miami Lakes, FL

Job Site:

Commercial Space
8030 North West 154th Street
Miami Lakes, FL

Asbestos Survey — Certification

I hereby certify that this asbestos survey was conducted at the above referenced Job Site on 4/15/2019, and performed by Jeffrey Montalvan, accredited by the EPA as AHERA Inspector(s), utilizing the code of the Federal Regulation Standards, 40 CFR, Part 763, Subpart E, Section 763.80-763.99 and the State Asbestos Regulations, Florida Statutes 469.003.

RICK SCOTT GOVERNOR
JONATHAN ZICHIM SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
ASBESTOS LICENSING UNIT

THE ASBESTOS BUSINESS ORGANIZATION HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 469, FLORIDA STATUTES

ARS ENVIRONMENTAL, INC.
TIMOTHY CAUGHEY
10097 CLEARY BOULEVARD
PLANTATION FL 33324

LICENSE NUMBER: ZA0000164
EXPIRATION DATE: NOVEMBER 30, 2019
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Timothy F. Caughey

QR Code

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Asbestos Consulting • Radon Measurements • Lead Assessments • Indoor Air Quality Testing • Mold Investigations

Today's Date: 4/16/2019

Project Number: 20190746

Page 3 of 11

Prepared For:

Job Site:

Mylo Gonzalez
Gonzalez Capital Holdings, LLC
8030 North West 154th Street
Miami Lakes, FL

Commercial Space
8030 North West 154th Street
Miami Lakes, FL

Asbestos Survey — Technician Certification



Jeffrey Montalvan

Miami Dade County Department of Regulatory And Economic Resources - Job Copy

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www.arsenvironmental.com • sales@arsenvironmental.com

Today's Date: 4/16/2019

Project Number: 20190746

Page 4 of 11

Prepared For:

Mylo Gonzalez
Gonzalez Capital Holdings, LLC
8030 North West 154th Street
Miami Lakes, FL

Job Site:

Commercial Space
8030 North West 154th Street
Miami Lakes, FL

Asbestos Survey — Bulk Sample Itemization

Sample Number	Material Class / Sample Description / Location	Sample Condition	Physical Damage	Water Damage	Material Contact	Sample Friability	Approximate Size	Asbestos Detected
Sample 1	Miscellaneous	Good	None	None	Low	Friable	1,000 sq. ft.	Asbestos Not Detected
Layer	2' x 4' Ceiling Tiles; Pinhole Design	Throughout the ceiling.						
Sample 2	Miscellaneous	Good	None	None	Low	Friable	Included Above	Asbestos Not Detected
Layer	2' x 4' Ceiling Tiles; Pinhole Design	Throughout the ceiling.						
Sample 3	Miscellaneous	Good	None	None	Low	Friable	Included Above	Asbestos Not Detected
Layer	2' x 4' Ceiling Tiles; Pinhole Design	Throughout the ceiling.						
Sample 4	Surfacing Material	Good	None	None	High	Friable	2,400 sq. ft.	Asbestos Not Detected
Layer	Wallboard/Joint Compound	Throughout the walls.						
Sample 5	Surfacing Material	Good	None	None	High	Friable	Included Above	Asbestos Not Detected
Layer	Wallboard/Joint Compound	Throughout the walls.						

Miami Dade County Department of Regulatory And Economic Resources - Job Copy

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Asbestos Report.pdf

No insulation observed behind the walls. A/C duct fiberglass insulation. The following non suspect materials were observed during this inspection (no samples were obtained): ceramic, metal.

Today's Date: 4/16/2019

Project Number: 20190746

Page 5 of 11

Prepared For:

Mylo Gonzalez
Gonzalez Capital Holdings, LLC
8030 North West 154th Street
Miami Lakes, FL

Job Site:

Commercial Space
8030 North West 154th Street
Miami Lakes, FL

Asbestos Survey — Bulk Sample Itemization

Sample Number	Material Class / Sample Description / Location	Sample Condition	Physical Damage	Water Damage	Material Contact	Sample Friability	Approximate Size	Asbestos Detected
Sample 6	Surfacing Material	Good	None	None	High	Friable	Included Above	Asbestos Not Detected
Layer	Wallboard/Joint Compound	Throughout the walls.						
Sample 7	Miscellaneous	Good	None	None	High	Non-friable	1,000 sq. ft.	Asbestos Not Detected
Layer	Ceramic Tile Grout	Throughout the floors.						
Sample 8	Miscellaneous	Good	None	None	High	Non-friable	Included Above	Asbestos Not Detected
Layer	Ceramic Tile Grout	Throughout the floors.						
Sample 9	Miscellaneous	Good	None	None	High	Non-friable	Included Above	Asbestos Not Detected
Layer	Ceramic Tile Grout	Throughout the floors.						

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No insulation observed behind the walls. A/C duct fiberglass insulation. The following non suspect materials were observed during this inspection (no samples were obtained): ceramic, metal.

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Today's Date: 4/16/2019

Project Number: 20190746

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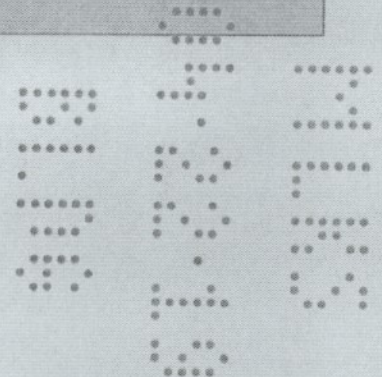
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Gonzalez Capital Holdings, LLC
8030 North West 154th Street
Miami Lakes, FL

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8030 North West 154th Street
Miami Lakes, FL

Friable Asbestos Containing Material

NONE DETECTED



Recommendations

Friable: any material containing more than one percent asbestos which has been applied on ceilings, walls, structural members, piping, duct work, or any other part of a building, which when dry, may be crumbled, pulverized, or reduced to powder by hand pressure.

The following work practice should be followed whenever demolition/renovation activities involving RACM occur: Notify EPA of intention to demolish/renovate, remove all RACM from a facility being demolished or renovated before any disruptive activity begins or before access to the material is precluded, keep RACM adequately wet before, during, and after removal operations, conduct demolition/renovation activities in a manner which produces no visible emissions to the outside air, and handle and dispose of all RACM in an approved manner.

The above building material is considered friable and must be removed by a Florida Licensed Asbestos Abatement Contractor, prior to any disturbance caused by renovation or demolition.

When implementing the response actions, parties responsible for final selection should remember that actions shall be sufficient to protect human health and the environment, but may also be the least burdensome method. Nothing in these recommendations should be construed as prohibiting or discouraging removal.

In the event that demolition or renovation is deemed necessary, parties shall comply with all applicable laws, ordinances, rules and regulations of the state and federal agencies, including any National Emissions Standard Hazardous Air Pollutants (N.E.S.H.A.P.) Notification requirements

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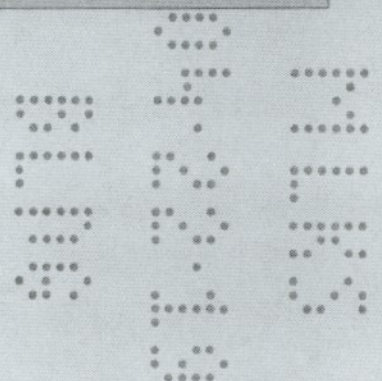
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8030 North West 154th Street
Miami Lakes, FL

Job Site:

Commercial Space
8030 North West 154th Street
Miami Lakes, FL

Category I - Non-Friable Asbestos Containing Material

NONE DETECTED



Recommendations

The above referenced Asbestos Contained Building Materials may be left in place if deemed to be in good condition and no repairs or renovations are scheduled which would disturb them. Care should be taken to ensure that the materials not be disturbed during repair, renovation or remodeling activities which could possibly release fibers into the air. To reduce the intrinsic liability to the owners, the ultimate solution may be to have the material removed. However, at the minimum, a formal Operations and Maintenance (O&M) Program is recommended to minimize potential fiber releases, monitor any future deterioration, and to ensure proper record keeping.

Under the FDEP regulations, Category I non-friable asbestos-containing materials may be left in place during demolition under wet conditions. However, OSHA regulations require that disposal of asbestos-containing materials and debris is disposed of in a leak-tight and labeled container. The container may be plastic bags so long as the holding is leak-tight. All materials must be disposed of in a Class I landfill and manifest as Category I Non-Friable Asbestos containing material.

To meet the requirements of a wet demolition, it is the responsibility of the demolition contractor to control any visible emissions by adequately applying water on the structure. Furthermore, the work practices for the demolition of a building containing asbestos must be in regulatory compliance with OSHA 1926.1101. All materials must be kept thoroughly wet or saturated during the demolition to assist in preventing the release of asbestos fibers. A certified asbestos supervisor must perform or supervise the work. If during the demolition process visible emissions are observed, the asbestos-containing materials must then be abated.

The regulations of the Occupational Safety and Health Administration (OSHA) applies to any detectable amount of asbestos in building materials or on facility components. This requirement covers worker training, work practices, and disposal methods. In summary, removing asbestos in a commercial setting requires training, specific work practices, and disposal methods for the asbestos and asbestos-containing debris.

However, if Category I Materials have become friable or are in poor condition, they must be removed before demolition or renovation begins by a Florida Licensed Asbestos Abatement Contractor. When selecting the response actions, parties responsible for final selection should remember that actions shall be sufficient to protect human health and the environment, but may also be the least burdensome method. Nothing in these recommendations should be construed as prohibiting or discouraging removal.

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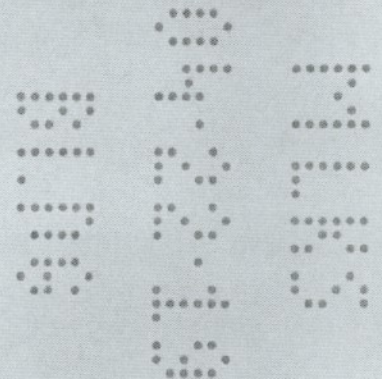
Mylo Gonzalez
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8030 North West 154th Street
Miami Lakes, FL

Job Site:

Commercial Space
8030 North West 154th Street
Miami Lakes, FL

Category II - Non-Friable Asbestos Containing Material

NONE DETECTED



Recommendations

The above referenced Asbestos Contained Building Materials may be left in place if deemed to be in good condition & no repairs or renovations are scheduled which would disturb them. Care should be taken to ensure that the materials not be disturbed during repair, renovation or remodeling activities which could possibly release fibers into the air. To reduce the intrinsic liability to the owners, the ultimate solution may be to have the material removed.

The above building materials are considered Category II Non-Friable and are likely to become crushed, crumbled, pulverized or reduced to powder during demolition or renovation therefore must be removed before demolition or renovation begins by a Florida Licensed Asbestos Abatement Contractor.

To meet the requirements of a wet demolition, it is the responsibility of the demolition contractor to control any visible emissions by adequately applying water on the structure. Furthermore, the work practices for the demolition of a building containing asbestos must be in regulatory compliance with OSHA 1926.1101. All materials must be kept thoroughly wet or saturated during the demolition to assist in preventing the release of asbestos fibers. A certified asbestos supervisor must perform or supervise the work. If during the demolition process visible emissions are observed, the asbestos-containing materials must then be abated.

The regulations of the Occupational Safety and Health Administration (OSHA) applies to any detectable amount of asbestos in building materials or on facility components. This requirement covers worker training, work practices, and disposal methods. In summary, removing asbestos in a commercial setting requires training, specific work practices, and disposal methods for the asbestos and asbestos-containing debris.

However, if Category II Materials have become friable or are in poor condition, they must be removed before demolition or renovation begins by a Florida Licensed Asbestos Abatement Contractor. When implementing the response actions, parties responsible for final selection should remember that the goal is to protect human health and the environment, but may also be the least burdensome method. Nothing in these recommendations should be construed as prohibiting or discouraging removal.

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General Terms and Conditions

Scope of Work

ARS Environmental's inspections are limited and non-destructive in nature. Any conditions or materials which were not able to be visually observed on the surface, or in easily accessible areas, were not inspected and may differ from those observed. It was not within the scope of this investigation to remove surface materials to investigate portions of the structure or materials which lay beneath the surface. Our selection of sample locations and frequency is based upon our observations and the assumption that like materials in the same area are homogeneous. This inspection report is the result of a diligent search of the facility for Asbestos Containing Building Materials (ACBM). The purpose of this inspection was to identify those materials which may pose a health hazard to occupants of a building and impart future liability to the owners and insurers of the property. However, we do not claim to have identified all of the asbestos containing building materials present in the facility. Materials such as underground pipes, any material inside walls, ceilings, floors, or other enclosed and inaccessible areas were not sampled and are not covered in this report. This report is designed to aid the building owner, architect, construction manager, general contractor, and potential asbestos abatement contractor in locating asbestos containing building materials. Under no circumstances is this report to be utilized as a proposal or a project specification document. This report is based upon conditions and practices observed at the property and information made available to the surveyor. This report does not intend to identify all hazards or unsafe practices, nor to indicate that other hazards or unsafe practices do not exist at the premises. In the event that demolition or renovation is deemed necessary, parties shall comply with all applicable laws, ordinances, rules, and regulations of federal, state, and local governmental agencies, including any National Emissions Standard Hazardous Air Pollutants (NESHAP) notification requirements.

Right of Entry

The client will provide for right of entry to ARS Environmental's personnel in order to complete the above referenced work.

Invoices

ARS Environmental will submit invoices to client upon completion of services.

Ownership of Documents

All reports, field data, field notes, laboratory tests data, calculations, estimates, and any other documents prepared by ARS Environmental as instruments of service shall remain the property of ARS Environmental.

Assumptions and Limitations

The results, findings, conclusions, and recommendations expressed in this report are based only on conditions which were observed during inspections by this report. ARS Environmental makes no representation or assumptions as to past conditions or future occurrences.

Assigns

Neither the client nor ARS Environmental may delegate, assign, sublet or transfer his duties or interest in this agreement without the written consent of the other party.

Roof Cuts

To obtain accurate information in a roof investigation, roof cuts approximately four inch 4" squares, may be deemed necessary. It is the responsibility of our client to make appropriate repairs to these roof cuts, using materials consistent with the roofing system and in accordance with any existing material manufacturer's warranties. A roofing contractor or maintenance personnel selected by our client should be on the roof to make any necessary repairs at the time the samples are being obtained. Although, every attempt will be made to make these repaired areas water tight, ARS Environmental will in no way be responsible for any water damage to the roofing system, building, or it's contents resulting from ARS Environmental temporary repairs.

Disclaimer

If in the course of a renovation or demolition activity, suspect materials become exposed, ALL FURTHER ACTIVITY SHOULD IMMEDIATELY CEASE AND THE STATUS OF THE MATERIAL SHOULD BE DETERMINED BEFORE PROCEEDING.

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Today's Date: 4/16/2019

Project Number: 20190746

Page 10 of 11

Prepared For:

Mylo Gonzalez
Gonzalez Capital Holdings, LLC
8030 North West 154th Street
Miami Lakes, FL

Job Site:

Commercial Space
8030 North West 154th Street
Miami Lakes, FL

Asbestos Survey — Technician Chain of Custody Forms, Field Notes, and Photographs

ASBESTOS WORKSHEET (CHAIN OF CUSTODY FORM) Page 1 of 1

Sampling Date: 4/15/19 Job Site: COMMERCIAL SPACE

Sample Taken By: Jeff Montalvan 8030 NW 154th Street

Project Number: 20190746 MIAMI LAKES, FL

Turnaround Time: 24 Hour 48 Hour 72 Hour

PLM Analysis: Asbestos Bulk Samples

Point count on friable materials that report less than 1%

ARS Environmental, Inc.
10097 Cleary Blvd., #305
Plantation, FL 33324
Phone 954-227-2402

Areas Surveyed: Interior Exterior Roof

YES NO

☒ AC duct fiberglass insulation observed

☒ Insulation observed behind walls

Sample Layer No.	Material Class	Sample Description	Bed/Floor Unit	Location	Approx. Size	Direction 1	Direction 2	Direction 3	Direction 4	Direction 5	Direction 6	Direction 7	Direction 8	Direction 9	Direction 10	Direction 11	Direction 12
1	M	2x4 CEILING TILES DIAMOND DESIGN		THROUGHOUT THE CEILING	1000'	G	N	N	N	N	N	N	N	N	N	N	N
2	M	" "		" "	IA												
3	M	" "		" "	IA												
4	S	WALLBOARD/JOINT COMPOUND		THROUGHOUT THE WALLS	2400'	G	N	N	N	N	N	N	N	N	N	N	N
5	S	" "		" "	IA												
6	S	" "		" "	IA												
7	M	CERAMIC TILES GROUT		THROUGHOUT THE FLOOR	1000'	G	N	N	N	N	N	N	N	N	N	N	N
8	M	" "		" "	IA												
9	M	" "		" "	IA												

Transferred By: [Signature] Date: 4/15/19 Received By: [Signature] Alex Frank Date: 4/15/19

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Asbestos Survey — Laboratory Results

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Today's Date: 4/16/2019

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Page 1 of 1

Prepared For:

Mylo Gonzalez
Gonzalez Capital Holdings, LLC
8030 North West 154th Street
Miami Lakes, FL

Job Site:

Commercial Space
8030 North West 154th Street
Miami Lakes, FL**Laboratory Analysis**

Sample Number	Layer Number	Gross Description	Estimated Asbestos Percentage	Non-asbestos % Fibers	Non-fibrous % Materials
1		Ceiling Tile	No asbestos detected	30% cellulose 25% glass	45%
2		Ceiling Tile	No asbestos detected	30% cellulose 25% glass	45%
3		Ceiling Tile	No asbestos detected	30% cellulose 25% glass	45%
4		Drywall / Joint Compound	No asbestos detected	15% cellulose 20% glass	65%
5		Drywall / Joint Compound	No asbestos detected	15% cellulose 20% glass	65%
6		Drywall / Joint Compound	No asbestos detected	15% cellulose 20% glass	65%
7		Tile Grout	No asbestos detected		100%
8		Tile Grout	No asbestos detected		100%
9		Tile Grout	No asbestos detected		100%

EPA 600/R-93 116 Method for the Determination of Asbestos in Bulk Building Materials

APPLICABILITY: this method is useful for the qualitative identification of asbestos and the semi-quantitative determination of asbestos content of bulk samples. The method measures percent asbestos.

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PROPOSED RESTAURANT- SMOKE BOX

FOR
GONZALEZ CAPITAL HOLDINGS, LLC
AT
8030 NW 154TH STREET
MIAMI LAKES - FLORIDA



m a n n y r e u s

a r c h i t e c t

ar. 11001

ARCHITECTURE

- GN-1 GENERAL NOTES & INFORMATION
- A-1 FLOOR PLAN , LIFE SAFETY PLAN, SCHEDULES
- A-2 REFLECTED CEILING PLAN, FIRE PENETRATION DETAILS
- A-3 SECTIONS/DETAILS
- A-4 BATH DETAILS

PLUMBING

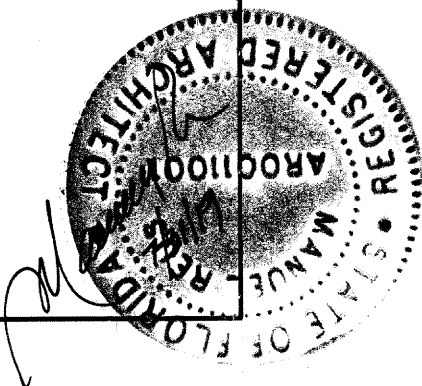
- P-1 PLUMBING DETAILS, SCHEDULES & NOTES
- P-2 PLUMBING FLOOR PLANS
- P-3 PLUMBING DETAILS & SCHEDULES
- P-4 PLUMBING GAS PLAN

MECHANICAL

- M-1 MECHANICAL FLOOR PLAN, DETAILS & SCHEDULES
- M-2 MECHANICAL SCHEDULES & NOTES
- M-3 MECHANICAL DETAILS

ELECTRICAL

- E-1 ELECTRICAL NOTES, SCHEDULES & RISER DIAGRAMS
- E-2 ELECTRICAL PLANS



ABBREVIATIONS

A, AMPS	AMPERES
ACA/C	ALTERNATING CURRENT, AIR CONDITIONING ABOVE FINISH FLOOR
AFF	ARC FAULT CIRCUIT INTERRUPTER
AFCI	AIR HANDLING UNIT
AHU	AMPERES INTERRUPTING CURRENT
AIC	AMERICAN NATIONAL STANDARDS INSTITUTE
ANSI	ARCHITECT OR ARCHITECTURAL
ARCH	ARCHITECT OR ARCHITECTURAL
ATS	AUTOMATIC TRANSFER SWITCH
BFC	BELOW FINISHED CEILING
BLOG.	BUILDING
C	CONDUIT
CLG.	CEILING
CU	COPPER, CONDENSING UNIT
CU	EXHAUST FAN
ENH	ELECTRICAL WATER HEATER
FBC	FLORIDA BUILDING CODE
FLA	FULL LOAD AMPS, FLORIDA
FT	FEET
GFI	GROUND FAULT INTERRUPT
HP	HORSEPOWER
HZ.	HERTZ (CYCLES)
I.G.	ISOLATED GROUND
INC.	INCANDESCENT
KW	KILOWATTS
KWH	KILOWATT HOUR
LRA	LOCKED ROTOR AMPS
M	MOTOR
MCA	MINIMUM CIRCUIT AMAPACITY
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LOAD ONLY
MOCP	MAXIMUM OVER CURRENT PROTECTION
N	NEW ELECTRICAL EQUIPMENT/DEVICE (EQUIPMENT SHOWN WITHOUT ABBREVIATION IS TO BE CONSIDERED AS NEW)
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTACT
NCL	NON COINCIDENT LOAD
NL	NIGHT LIGHT
NOM.	NOMINAL
N.T.S.	NOT TO SCALE
OSHA	OCCUPATIONAL SAFETY & HEALTH ACT
P.E.	PROFESSIONAL ENGINEER
PH.	PHASE
P.O.S.	POINT OF SALE
PVC	POLYVINYL CHLORINE
REC.	RECEPTACLE
RLA	RUNNING LOAD AMAPACITY
S/N	SOLID NEUTRAL
SWGR	SWITCHGEAR
TYP.	TYPICAL
TXR	ELECTRICAL TRANSFORMER
U.L.	UNDERWRITERS LABORATORIES
V	VOLT
VA	VOLT AMPERES
VP	VAPOR PROOF
W	WIRE, WATT, WIDE
WP	WATER PROOF
WR	WEATHER RESISTANT

ELECTRICAL NOTES

1- ALL WORK SHALL BE PERFORMED TO MEET THE REQUIREMENTS OF THE:

-N.F.P.A. 70 (2014 EDITION) NATIONAL ELECTRICAL CODE,
-F.B.C. 2017(SIXTH EDITION)
-N.F.P.A 72 (2013 EDITION) NATIONAL FIRE ALARM CODE,
-N.F.P.A 101 (2015 EDITION) LIFE SAFE CODE,
-LOCAL AND STATE CODES AND ANY OTHER APPLICABLE CODES AND STANDARDS.

2- THE ELECTRICAL DESIGN IS BASED UPON THE AVAILABLE INFORMATION AT DESIGN TIME AND THE CONTRACTOR SHALL REVIEW NAMEPLATE DATA AND MANUFACTURER SUPPLIED LITERATURE FOR ALL PIECES OF EQUIPMENT PRIOR TO ROUGH ELECTRICAL WIRING. THE CONTRACTOR SHALL CHECK ALL EQUIPMENT FOR PROPER VOLTAGE, PHASE AND AMP RATING PRIOR TO INSTALLATION. THE CONTRACTOR SHALL CONTACT ENGINEER PRIOR TO ANY FIELD ADJUSTMENT.

3- PRIOR TO INSTALLATION OF ROUGH ELECTRICAL WIRING, CHECK NAMEPLATE DATA OF ALL EQUIPMENT FOR REQUIRED VOLTAGES, MINIMUM CIRCUIT AMAPACITY, AND OVERCURRENT PROTECTION.

4- DRAWINGS ARE DIAGRAMMATIC. DO NOT SCALE DRAWINGS FOR EXACT LOCATION OF EQUIPMENT. THESE DRAWINGS ARE NOT INTENDED TO SHOW EVERY MINOR DETAIL. HOWEVER, THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED FOR A COMPLETE AND ACCEPTABLE WORKING INSTALLATION PER CODE.

5- ALL MATERIAL SHALL BEAR UL LABEL WHERE APPLICABLE. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT FOR A COMPLETE INSTALLATION. ALL MOUNTING HARDWARE AND WIRING HARDWARE SHALL BE FURNISHED BY THE CONTRACTOR.

6- CIRCUITS SHOWN ON THESE PLANS ARE SYMBOLICALLY SHOWN TO DETERMINE LOAD DATA AND EQUIPMENT SIZES. THE CONTRACTOR SHALL PHYSICALLY PROVIDE CIRCUITS AND ROUTING OF CONDUITS TO SUIT JOB CONDITIONS. THE LOADS SHALL BE BALANCED THROUGHOUT. THE CONTRACTOR SHALL ENSURE THAT NEUTRAL WIRES AND EQUIPMENT GROUND WIRES ARE INSTALLED WHERE EVER APPLICABLE.

7- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ARCHITECT/OWNER TO FIELD VERIFY INSTALLATION FOR OUTLETS, LIGHTING FIXTURES AND ELECTRICAL EQUIPMENT.

8- THIS DRAWING IS A GUIDE FOR THE INSTALLATION OF ELECTRICAL SERVICE. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE A FUNCTIONING SYSTEM.

9- ALL WIRING SHALL BE COPPER (CU) THWN INSULATION. IF ALUMINUM WIRES ARE USED: A) TO PREVENT OVERHEATING AT CONNECTION POINTS USE OXIDE INHIBITING COMPOUND FOR STRIPPED PORTION OF CONDUCTORS INSIDE CONNECTORS.

B) A PREVENTIVE MAINTENANCE PLAN IS NECESSARY TO ENSURE A RELIABLE SERVICE INCLUDING VISUAL INSPECTIONS AND TESTS FOR SPLICES AND CONNECTION POINTS (CORROSION AND TIGHTNESS PRINCIPALLY) INSPECTION INTERVALS OF 2 YEARS MAXIMUM ARE STRONGLY RECOMMENDED.

10- ALL CIRCUIT BREAKERS SHALL BE RATED AT MINIMUM OF 10,000 AIC.

11- ALL NEW CONDUCTORS SHALL BE RUN IN CONDUIT (METALLIC TYPE) UNLESS OTHER TYPES CAN BE USED AS PER NEC.

A)- PVC SCH. 40 WHEN INSTALLED 12" UNDER SLABS ON GRADE OR WHEN EMBEDDED IN CONCRETE WALLS OR SLABS.

B)- MC CABLE CAN BE INSTALLED ACCORDING TO NEC 330.10 AND 330.12.

C)- IMC WHEN INSTALLED CONCEALED IN MASONRY WALLS, DRY WALLS OR SUSPENDED CEILINGS, ALSO WHEN INSTALLED IN INTERIORS EXPOSED UP TO 8' AFF.

D)- EMT INTERIORS EXPOSED ABOVE 8' AFF AND AT ANY HEIGHT IN ELECTRICAL, MECHANICAL AND TELECOMMUNICATION ROOMS.

E)- NMC CABLE CAN BE INSTALLED ACCORDING TO NEC 334.10.

12- IF PVC CONDUITS ARE USED FOR UNDERGROUND FEEDERS, AN EQUIPMENT GROUND CONDUCTOR SIZED IN ACCORDANCE WITH N.E.C. 250 - 122 MUST BE INSTALLED AND CONDUIT SIZE INCREASED AS REQUIRED.

13- TYPEWRITTEN PANEL TALLY SHALL BE FURNISHED AFTER JOB IS COMPLETED REFLECTING ALL CHANGES AND ADDITIONS.

14- CONTRACTOR TO VERIFY ADJUSTMENT FACTORS FOR MORE THAN THREE CURRENT-CARRYING CONDUCTORS IN A CONDUIT ACCORDING TO TABLE 310-15(b)(2)(g) NEC.

15- CONTRACTOR TO PROVIDE SIGNS ON ELECTRICAL PANELS AND DISCONNECTS: "ELECTRICAL EQUIPMENT WITH POTENTIAL ELECTRIC ARC FLASH HAZARDS". (AS PER NEC 110.16)

16- SERVICE EQUIPMENT IN OTHER THAN DWELLING UNITS SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FAULT CURRENT. THE FIELD MARKING(S) SHALL INCLUDE THE DATE THE FAULT CURRENT CALCULATION WAS PERFORMED AND BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED. (AS PER NEC 110.24(A))

17 - OUTLETS IN OPPOSITE SIDES ON FIRE RATED WALLS TO BE 24" HORIZ. APART (MIN), AND FIRE PROTECTED.

18 - ALL SMOKE OR CARBON MONOXIDE DETECTORS TO BE LOCATED 3' APART MIN. FROM A/C OUTLETS AND INTERCONNECTED FOR SIGNALING PURPOSE. CARBON MONOXIDE DETECTORS TO BE LOCATED 10' MAXIMUM FROM ANY SLEEPING AREA.

19- NON-LOCKING RECEPTACLES IN DAMP AND WET LOCATIONS SHALL BE LISTED WEATHER RESISTANT TYPE WITH A WEATHER PROOF ENCLOSURE AS PER NEC 406.8 (A) & (B).

20- BOXES, CONDUIT BODIES, AND FITTINGS INSTALLED IN WET LOCATIONS SHALL BE LISTED FOR USE IN WET LOCATIONS AS PER NEC 314.15(A)

21- WITHIN 30 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE, RECORD DRAWINGS OF THE ACTUAL INSTALLATION SHALL BE PROVIDED TO THE OWNER, INCLUDING A SINGLE LINE DIAGRAM OF BUILDING ELECTRICAL DISTRIBUTION SYSTEM AND FLOOR PLANS INDICATING LOCATION AND AREA SERVED FOR ALL DISTRIBUTION. AS PER FBC EC 505.7.4.1

22 - WITHIN 30 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE, AN OPERATING MANUAL AND MAINTENANCE MANUAL SHALL BE PROVIDED TO THE OWNER, INCLUDING SUBMITTAL DATA STATING EQUIPMENT RATING AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE, OPERATION AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE, WITH CLEARLY IDENTIFIED ROUTINE MAINTENANCE ACTIONS, NAMES AND ADDRESSES OF AT LEAST ONE QUALIFIED SERVICE AGENCY AS PER FBC EC 505.7.4.2

RECOMMEND CONDUCTOR COLOR CODE

PHASE	120/240V DELTA	120/208V	277/480V
-------	-------------------	----------	----------

A	BLACK	BLACK	YELLOW
B	ORANGE(High Leg)	RED	ORANGE
C	BLUE	BROWN	BROWN
NEUTRAL	WHITE	WHITE	GREY
GROUND	GREEN	GREEN	GREEN

GENERAL:

- Lighting and power wiring system conductors shall be color coded at all locations where conduit is broken and at each conductor termination.
- Conductors #6 and smaller shall be color coded with colored insulation.
- Conductors #4 and larger where not available in colors, shall be color coded with colored pressure sensitive tape at all termination and in junction and pull boxes.

ELECTRICAL LEGEND

- SWITCH (+48" CL. AFF UNLESS OTHERWISE NOTED.)
BLANK = SINGLE POLE 2 = DOUBLE POLE
3 = THREE-WAY 4 = FOUR-WAY
D = DIMMER K = KEY OPERATED
LV= LOW VOLTAGE L = LOCK
LM= LOW VOLTAGE MASTER P = WITH PILOT LIGHT
PB= PUSH BUTTON STATION RC= REMOTE CONTROL
T = TIMER OPERATED WP= WEATHER PROOF
X = EXPLOSION PROOF Mo= OCCUPANCY SENSOR
- DUPLEX RECEPTACLE, WALL. (+18" CL. AFF UNLESS OTHERWISE NOTED.)
DUPLEX RECEPTACLE, FLOOR MOUNTED.
SINGLE RECEPTACLE, WALL MOUNTED.
(+18" CL. AFF UNLESS OTHERWISE NOTED.)
SPECIAL PURPOSE RECEPTACLE. NEMA CONFIGURATION AS NOTED. WALL MOUNTED.
WINDOWS RECEPTACLE (AT CEILING OR AFF NOTED.)
TELEPHONE OUTLET, WALL MOUNTED.
DATA OUTLET, WALL MOUNTED.
COMB. DATA OUTLET-TELEPHONE OUTLET, WALL MOUNTED.
TV OUTLET, WALL MOUNTED.
JUNCTION BOX.
LIGHTING FIXTURE TYPE DESIGNATION.
- CEILING MOUNTED FLUORESCENT LIGHTING FIXTURE.
(SIZE MAY VARY SEE LIGHTING FIXTURE SCHEDULE.)
- CEILING MOUNTED (RECESSED) INCANDESCENT, CIRCLE OR HID LIGHTING FIXTURE.
CEILING MOUNTED (SURFACE OR PENDANT) INCANDESCENT, CIRCLE OR HID LIGHTING FIXTURE.
WALL MOUNTED INCANDESCENT, CIRCLE OR HID LIGHTING FIXTURE.
- JUNCTION BOX TO LED STRIP LTS
CEILING MOUNTED EXIT LIGHT SIGN. (PROVIDE ARROWS AS INDICATED ON DRAWINGS.) 90 MIN BATTERY BACK-UP
WALL MOUNTED EXIT LIGHT SIGN. (PROVIDE ARROWS AS INDICATED ON DRAWINGS.) 90 MIN BATTERY BACK-UP
SELF-CONTAINED EMERGENCY LIGHTING UNIT, WALL. 90 MIN BATTERY BACK-UP
COMBO EXIT LIGHT SIGN AND SELF CONTAINED EMERGENCY LIGHTING UNIT. 90 MIN BATTERY BACK-UP
- ELECTRIC TIME CLOCK
FAN MOTOR MOTOR CONNECTION.
DISCONNECT SWITCH. "a"=PHASE, "b"= AMP FRAME, "c"= AMP. FUSE "f"=FUSIBLE. C=0 NOT FUSED
DISCONNECT SWITCH. "a"=PHASE, "b"= AMP FRAME, "c"= AMP. FUSE "f"=FUSIBLE. C=0 NOT FUSED NEMA 3X.
GROUND CONNECTION.
- BRANCH CKT HOME RUN.
DENOTE NUM. OF UNGROUNDED SERVICE WIRE
DENOTE NEUTRAL WIRE
DENOTE GROUND WIRE
- ELECTRICAL METER
ELECTRICAL PANEL

GENERAL KITCHEN NOTES:

- INTERCONNECT SHUNT TRIP BREAKERS TO SHUT DOWN ALL ELECTRIC SERVICES UNDER EXHAUST HOOD (BY OTHERS). INTERCONNECT WITH EXHAUST/SUPPLY FANS FOR PROPER SHUT DOWN/STAY ON SEQUENCES DURING FIRE CONDITION WITH FIRE SUPPRESSION SYSTEM, SEE MANUFACTURE FOR DETAIL.
- ELECTRICAL CONTRACTOR FIELD VERIFY EXACT LOCATION (AFF) OF OUTLET EQUIPMENT WITH KITCHEN CONSULTANT AND ARCHITECT PRIOR TO ROUGH-IN.
- ALL 15A AND 20A 125V RECEPTACLES IN KITCHEN AREA TO BE GFCI PROTECTED (NEC 210.8(B)(2)).
- PROVIDE DISCONNECT MEANS FOR ALL KITCHEN EQUIPMENT.
- PROVIDE SHUNT-TRIP CIRCUIT BREAKERS FOR ALL EQUIPMENT UNDER KITCHEN HOODS.
- PROVIDE COPPER BOND ON ALL FUEL PIPES.
- FOR COMPLETE KITCHEN EQUIPMENT SCHEDULE REFER TO ARCHITECTURAL DRAWINGS.

HOOD SYSTEM SEQUENCE OF OPERATION:

- UPON ACTIVATION OF THE HOOD FIRE ALARM SYSTEM:
- ALL APPLIANCES UNDER COMMERCIAL HOOD TO SHUT DOWN.
 - SUPPLY FAN TO HOOD TO SHUT DOWN.
 - GAS SERVICE TO COOKING LINE (GAS SOLENOID) TO SHUT OFF.
 - ANSUL SYSTEM TO BE ACTIVATED.

ELECTRICAL ABBREVIATIONS, LEGEND & NOTES

LIGHTING NOTES

1- REFER TO ARCHITECTURAL CEILING PLAN FOR EXACT LOCATION OF ALL LIGHT FIXTURES.

2- REFER TO ARCHITECTURAL ELEVATIONS FOR FINAL MOUNTING HEIGHTS OF ALL WALL MOUNTED LIGHT FIXTURES. UNLESS NOTED OTHERWISE, ARCHITECTURAL ELEVATIONS SHALL DICTATE MOUNTING HEIGHTS OF ALL FIXTURES.

3 COORDINATE FINAL PLACEMENT OF LIGHT FIXTURES IN ALL MECHANICAL SPACES WITH THE FINAL INSTALLED LOCATIONS OF ALL MECHANICAL DUCTWORK AND PIPING.

4- CONTRACTOR TO VERIFY FLUORESCENT LUMINAIRES W/DOUBLE ENDED LAMPS TO BE PROVIDED W/INTERNAL DISCONNECTING MEANS TO DISCONNECT SIMULTANEOUSLY ALL CONDUCTORS OF THE BALLAST, INCLUDING THE GROUNDED CONDUCTOR AS PER NEC 410.130 (G)

5- CIRCUITS FOR INTERIOR LIGHTING FIXTURES (INSIDE BUILDINGS 5,000 SQ-F OR LARGER) TO BE DISCONNECTED AT NOT WORKING HOURS BY TIME CLOCK OR OTHER AUTOMATIC CONTROL DEVICE AS PER FBC 13-415.1.ABC.1.1

6- CONTRACTOR TO VERIFY WITH OWNER ARCHITECT LIGHTING FIXTURE TYPE AND SPECIFICATIONS BEFORE INSTALLATION.

7- WIRE AHEAD OF ANY LOCAL SWITCHING FOR ALL EMERGENCY AND EXIT LIGHTS.

8- ADDITIONAL EXIT AND EMERGENCY LIGHTS MAY BE REQUIRED BY THE FIELD FIRE INSPECTOR AT THE TIME OF THE FIRE FINAL.

9- INTERNALLY ILLUMINATED EXIST SIGN SHALL NOT EXCEED 5 WATTS PER SIDE AS PER FBC EC 505.4

10- RECESSED LUMINAIRES INSTALLED IN THE BUILDING THERMAL ENVELOPE SHALL BE SEALED TO LIMIT AIR LEAKAGE BETWEEN CONDITIONED AND UNCONDITIONED SPACES. ALL RECESSED LUMINAIRES SHALL BE IC-RATED AND LABELED AS MEETING ASTM E 283 (AIR TIGHT) AS PER FBC EC 502.3.8.

11- LIGHTING CONTROLS SHALL BE IN ACCORDANCE WITH FBC 13-415 GUIDELINES. (AUTOMATIC SHUT OFF FOR LIGHTING VIA OCCUPANCY SENSORS TO BE IMPLEMENTED).

12- EGRESS ILLUMINATION SHALL BE AT LEAST 1 FOOTCANDLE MEASURED AT THE FLOOR. F.B.C. EC 1006.

13- LIGHTING SYSTEM CONTROLS SHALL BE COMPLY WITH FBC EC 505

14- LUMINAIRES SHALL NOT BE USED AS RACEWAY FOR CIRCUIT CONDUCTOR UNLESS LISTED AND MARKED FOR USE AS A RACEWAY.

15- A MINIMUM OF 50% OF THE LAMPS IN PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL BE HIGH-EFFICACY LAMPS. (FBC 404.1).

13- STORAGE BATTERY. STORAGE BATTERIES USED AS A SOURCE OF POWER FOR EMERGENCY SYSTEMS SHALL BE OF SUITABLE RATING AND CAPACITY TO SUPPLY AND MAINTAIN THE TOTAL LOAD FOR A MINIMUM PERIOD OF 1 1/2 HOURS, WITHOUT THE VOLTAGE APPLIED TO THE LOAD FALLING BELOW 87 1/2 PERCENT OF NORMAL. (NEC 700.12(A))

ELECTRICAL DEMOLITION NOTES

- WHERE ELECTRIC LIGHTING FIXTURES, SWITCHES, RECEPTACLES, BOXES, CABINETS, DEVICES, ETC. ARE TO BE REMOVED, AND BOXES AND CONDUITS ARE TO REMAIN, ALL CONDUCTORS SHALL BE DE-ENERGIZED, DISCONNECTED AT BOTH ENDS, REVERSED INTO THE BOX, AND THE BOX PLUGGED WITH CEMENT PLASTER OR OTHER APPROVED MATERIAL AND THE WALL, FLOOR, CEILING AND THE LIKE, RESTORED TO MATCH THE SURROUNDING FINISH.
- WHERE ELECTRICAL FIXTURES, SWITCHES, OUTLETS, RECEPTACLES, BOXES, CABINETS, DEVICES, ETC. ARE TO BE REMOVED, AND THEIR REMOVAL AFFECTS THE OPERATION OF THE EQUIPMENT, FIXTURE, RECEPTACLES, ETC., THAT IS TO REMAIN (INCLUDING ITEMS THAT MAY NOT BE SHOWN IN THE DRAWINGS BUT ARE PRESENTLY EXISTING IN PLACE) THE CONTRACTOR SHALL RE-CIRCUIT THEM (INCLUDING BOXES, CONDUIT, WIRES, ETC.) TO RESTORE THEM TO THE ORIGINAL OPERATING CONDITION.
- UNUSED OPENINGS IN BOXES, CABINETS, PANELBOARDS, ETC., WHERE CONDUIT IS REMOVED OR PREVIOUSLY EXISTED, SHALL BE PLUGGED OR BLANKED OUT BY APPROVED METHODS, IF THE OPENING IS TO REMAIN.
- ALL EXPOSED CONDUIT, WIRES, OUTLETS, ETC. NOT TO BE REUSED IN THE NEW REMODELED LAYOUT, SHALL BE REMOVED.
- EXISTING CONDUIT RUNS, STUBBING UP THRU FLOORS IN AREAS WHERE WALLS ARE TO BE REMOVED, SHALL HAVE THEIR CONDUCTORS DE- ENERGIZED AND REMOVED, CONDUIT CUT-OFF GROUND FLUSH WITH FLOOR AND PLUGGED WITH CEMENT MORTAR OR ANY OTHER APPROVED MATERIAL. THE SAME APPLIES WITH EXISTING CONDUITS THAT ARE STUBBING OUT OF WALLS AND FLOORS.
- WHERE PRACTICAL, EXISTING CONDUCTORS AND WIRES THAT ARE IN GOOD CONDITION, MAY BE REUSED IN PLACE AND INCORPORATED IN THE NEW REMODELED LAYOUT PROVIDED, IT IS OF PROPER SIZE, TYPE OF CONDUCTOR AND WITH THE APPROVAL OF THE OWNER.
- ABANDONED CIRCUIT CONDUCTORS IN PANEL BOARDS, SHALL BE DISCONNECTED, TAPED AND IDENTIFIED.
- CONTRACTOR SHALL VISIT THE SITE, PRIOR BIDDING THIS WORK, TO FAMILIARIZE HIMSELF WITH THE STATUS OF THE SPACE. ALL THE REQUIRED DEMOLITION OR MODIFICATIONS (INCLUDING FIXTURES, OUTLETS, BOXES, PANELBOARDS, BREAKERS, TRANSFORMERS, ETC.) ARE TO BE INCLUDED IN THE WORK TO PERFORM IN ORDER TO HAVE A COMPLETE FINISHED INSTALLATION.
- CONTRACTORS WORK SHALL BE FULLY COORDINATED WITH BUILDING SYSTEMS, AND ANY MODIFICATIONS, OR ADDITIONS THAT WILL ALTER THE BUILDING, SHALL BE MADE IN FULL COMPATIBILITY WITH THE SYSTEMS. WORK ON THE SYSTEMS AND WORK TO BE DONE IN NON-WORKING HOURS, IF REQUESTED, SHALL BE COORDINATED WITH THE BUILDING MANAGER.

ELECTRICAL PANEL SCHEDULE 'A'

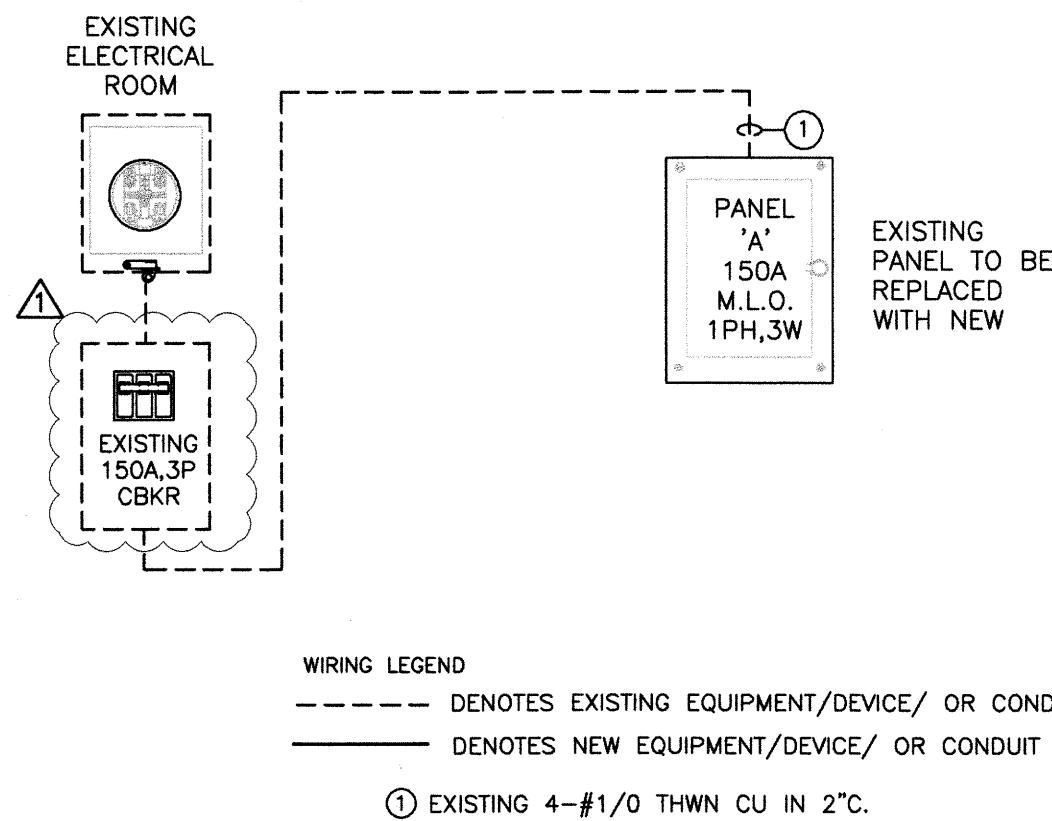
TYPE : PANEL BOARD		22,000 A.I.C.		MAINS : M.L.O.	
MOUNTING : FLUSH				BUS RATING : 150 AMP	
ENCLOSURE : NEMA 1				VOLTAGE : 120/208V-1PHASE-3WIRE	
DESCRIPTION	WIRE & COND. SIZE	LOAD (V.A.)	POLE TRIP	CKT. No.	A B C
3 DOOR FREEZER	#12-1/2"	1,500	1 20	1	
3 DOOR COOLER	#12-1/2"	1,500	1 20	3	
WORK AREA RECEPT.	#12-1/2"	1,500	1 20	5	
EXIST. SMOKER CONTROL	#12-1/2"	500	1 20	7	
EXIST. SMOKER CONTROL	#12-1/2"	500	1 20	9	
COOLER UNDER COUNTER	#12-1/2"	1,000	1 20	11	
FOOD WARMER TABLE	#12-1/2"	1,500	1 20	13	
FOOD WARMER TABLE	#12-1/2"	1,500	1 20	15	
UNDER COUNT.FOOD WARMER	#12-1/2"	1,500	1 20	17	
UNDER COUNT.FOOD WARMER	#12-1/2"	1,500	1 20	19	
GRAL RECEPT.	#12-1/2"	1,500	1 20	21	
GRAL RECEPT.	#12-1/2"	1,500	1 20	23	
GRAL RECEPT.	#12-1/2"	1,500	1 20	25	
SPARE		1,500	1 20	27	
SPARE		1,500	1 20	29	
SPARE		1,500	1 20	31	
SPACE				33	
SPACE				35	
SPACE				37	
SPACE				39	
SPACE				41	
				42	

LOAD CALCULATION PANEL

TOTAL CONNECTED LOAD = 41,000 VA
CONTINUOUS LOAD AT 125% = 4,500 X 1.25 = 5,625 VA
KITCHEN EQUIPMENT LOAD AT 65% (NEC TABLE 220.56) = 12,500 X 0.65 = 8,125 VA
NON CONTINUOUS LOAD AT 100% = (41,000 - 4,500 - 12,500) = 24,000 VA
TOTAL DEMANDED LOAD = 5,625 + 8,125 + 24,000 = 37,750 VA
TOTAL DEMAND AMPS = 105 AMPS PER PHASE

ELECTRICAL PANEL SCHEDULE

E-1 SCALE: NTS



WIRING LEGEND

- DENOTES EXISTING EQUIPMENT/DEVICE/ OR CONDUIT
--- DENOTES NEW EQUIPMENT/DEVICE/ OR CONDUIT

EXISTING 4-#1/0 THWN CU IN 2".

ELECTRICAL RISER DIAGRAM

E-1 SCALE: NTS

SHEET TITLE

DATE

07/15/19

Rev#1 8-8-19

DRAWN BY

M.A

CHECKED BY

JOB NUMBER

A2019-09

SHEET NO.

E-1

many reus
architecture - space planning
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(p) 786-302.0581 (e) reusmany@gmail.com

PROPOSED RESTAURANT - SMOKE BOX
FOR
GONZALEZ CAPITAL HOLDINGS, LLC
AT
8030 NW 15TH STREET
MIAMI LAKES
FLORIDA

SHEET TITLE

DATE

07/15/19

Rev#1 8-8-19

DRAWN BY

M.A

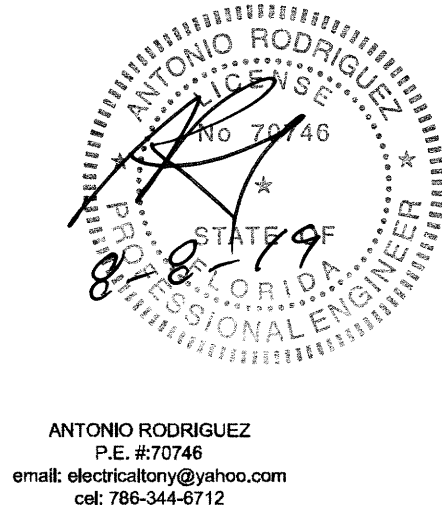
CHECKED BY

JOB NUMBER

A2019-09

SHEET NO.

E-1



ANTONIO RODRIGUEZ
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ABBREVIATIONS

A, AMPS AMPERES
ACA/C ALTERNATING CURRENT, AIR CONDITIONING
AFF ABOVE FINISH FLOOR
AFCI ARC FAULT CIRCUIT INTERRUPTER
AHU AIR HANDLING UNIT
AIC AMPERES INTERRUPTING CURRENT
ANSI AMERICAN NATIONAL STANDARDS INSTITUTE
ARCH ARCHITECT OR ARCHITECTURAL
ATS AUTOMATIC TRANSFER SWITCH
BFC BELOW FINISHED CEILING
BLDG. BUILDING
C. CONDUIT
CL. COPPER, CONDENSING UNIT
CU EXHAUST FAN
EWH ELECTRICAL WATER HEATER
FBC FLORIDA BUILDING CODE
FLA FULL LOAD AMPS, FLORIDA
FT FEET
GFI GROUND FAULT INTERRUPT
HP HORSEPOWER
HZ. HERTZ (CYCLES)
I.G. INCANDESCENT
INC. INCANDESCENT
KW KILOWATTS
KWH KILOWATT HOUR
LRA LOCKED ROTOR AMPS
M MOTOR
MCA MINIMUM CIRCUIT AMAPACITY
MCB MAIN CIRCUIT BREAKER
MLO MAIN LOAD ONLY
MOCP MAXIMUM OVER CURRENT PROTECTIONN
MOCP NEW ELECTRICAL EQUIPMENT/DEVICE (EQUIPMENT SHOWN WITHOUT ABBREVIATION IS TO BE CONSIDERED AS NEW)
NEC NATIONAL ELECTRICAL CODE
NFPA NATIONAL FIRE PROTECTION ASSOCIATION
NIC NOT IN CONTRACT
NCL NON COINCIDENT LOAD
NL NIGHT LIGHT
NOM. NOMINAL
N.T.S. NOT TO SCALE
OSHA OCCUPATIONAL SAFETY & HEALTH ACT
P.E. PROFESSIONAL ENGINEER
P.H. PHASE
P.O.S. POINT OF SALE
PVC POLYVINYL CHLORINE
RECEP., REC. RECEPTACLE
RLA RUNNING LOAD AMPACITY
S/N SOLID NEUTRAL
SWGR SWITCHGEAR
TYP. TYPICAL
ULX ELECTRICAL TRANSFORMER
UNDERWRITERS LABORATORIES
V. VOLT
VA VOLT AMPERES
VP VAPOR PROOF
W. WIRE, WATT, WIDE
WP WATER PROOF
WR WEATHER RESISTANT

ELECTRICAL NOTES

1- ALL WORK SHALL BE PERFORMED TO MEET THE REQUIREMENTS OF THE:
-N.F.P.A. 70 (2014 EDITION) NATIONAL ELECTRICAL CODE,
-F.B.C. 2017 (SIXTH EDITION) FLORIDA BUILDING CODE,
-N.F.P.A 72 (2013 EDITION) NATIONAL FIRE ALARM CODE,
-N.F.P.A 101 (2015 EDITION) LIFE SAFE CODE,
-LOCAL AND STATE CODES AND ANY OTHER APPLICABLE CODES AND STANDARDS.
2- THE ELECTRICAL DESIGN IS BASED UPON THE AVAILABLE INFORMATION AT DESIGN TIME AND THE CONTRACTOR SHALL REVIEW NAMEPLATE DATA AND MANUFACTURER SUPPLIED LITERATURE FOR ALL PIECES OF EQUIPMENT PRIOR TO ROUGH ELECTRICAL WIRING. THE CONTRACTOR SHALL CHECK ALL EQUIPMENT FOR PROPER VOLTAGE, PHASE AND AMP RATING PRIOR TO INSTALLATION. THE CONTRACTOR SHALL CONTACT ENGINEER PRIOR TO ANY FIELD ADJUSTMENT.
3- PRIOR TO INSTALLATION OF ROUGH ELECTRICAL WIRING, CHECK NAMEPLATE DATA OF ALL EQUIPMENT FOR REQUIRED VOLTAGES, MINIMUM CIRCUIT AMPACITY, AND OVERCURRENT PROTECTION.
4- DRAWINGS ARE DIAGRAMMATIC. DO NOT SCALE DRAWINGS FOR EXACT LOCATION OF EQUIPMENT. THESE DRAWINGS ARE NOT INTENDED TO SHOW EVERY MINOR DETAIL. HOWEVER, THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED FOR A COMPLETE AND ACCEPTABLE WORKING INSTALLATION PER CODE.
5- ALL MATERIAL SHALL BEAR UL LABEL WHERE APPLICABLE. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT FOR A COMPLETE INSTALLATION. ALL MOUNTING HARDWARE AND WIRING HARDWARE SHALL BE FURNISHED BY THE CONTRACTOR.
6- CIRCUITS SHOWN ON THESE PLANS ARE SYMBOLICALLY SHOWN TO DETERMINE LOAD DATA AND EQUIPMENT SIZES. THE CONTRACTOR SHALL PHYSICALLY PROVIDE CIRCUITS AND ROUTING OF CONDUITS TO SUIT JOB CONDITIONS. THE LOADS SHALL BE BALANCED THROUGHOUT. THE CONTRACTOR SHALL ENSURE THAT NEUTRAL WIRES AND EQUIPMENT GROUND WIRES ARE INSTALLED WHERE EVER APPLICABLE.
7- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ARCHITECT/OWNER TO FIELD VERIFY INSTALLATION FOR OUTLETS, LIGHTING FIXTURES AND ELECTRICAL EQUIPMENT.
8- THIS DRAWING IS A GUIDE FOR THE INSTALLATION OF ELECTRICAL SERVICE. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE A FUNCTIONING SYSTEM.
9- ALL WIRING SHALL BE COPPER (CU) THWN INSULATION. IF ALUMINUM WIRES ARE USED:
A) TO PREVENT OVERHEATING AT CONNECTION POINTS USE OXIDE INHIBITING COMPOUND FOR STRIPPED PORTION OF CONDUCTORS INSIDE CONNECTORS.
B) A PREVENTIVE MAINTENANCE PLAN IS NECESSARY TO ENSURE A RELIABLE SERVICE INCLUDING VISUAL INSPECTIONS AND TESTS FOR SPLICES AND CONNECTION POINTS (CORROSION AND TIGHTNESS PRINCIPALLY) INSPECTION INTERVALS OF 2 YEARS MAXIMUM ARE STRONGLY RECOMMENDED.
10- ALL CIRCUIT BREAKERS SHALL BE RATED AT MINIMUM OF 10,000 AIC.
11- ALL NEW CONDUCTORS SHALL BE RUN IN CONDUIT (METALLIC TYPE) UNLESS OTHER TYPES CAN BE USED AS PER NEC:
A)- PVC SCH. 40 WHEN INSTALLED 12" UNDER SLABS ON GRADE OR WHEN EMBEDDED IN CONCRETE WALLS OR SLABS.
B)- MC CABLE CAN BE INSTALLED ACCORDING TO NEC 330.10 AND 330.12.
C)- IMC WHEN INSTALLED CONCEALED IN MASONRY WALLS, DRY WALLS OR SUSPENDED CEILINGS, ALSO WHEN INSTALLED IN INTERIORS EXPOSED UP TO 8' AFF.
D)- EMT INTERIORS EXPOSED ABOVE 8' AFF AND AT ANY HEIGHT IN ELECTRICAL, MECHANICAL AND TELECOMMUNICATION ROOMS.
E)- NMC CABLE CAN BE INSTALLED ACCORDING TO NEC 334.10.
12- IF PVC CONDUITS ARE USED FOR UNDERGROUND FEEDERS, AN EQUIPMENT GROUND CONDUCTOR SIZED IN ACCORDANCE WITH N.E.C. 250 - 122 MUST BE INSTALLED AND CONDUIT SIZE INCREASED AS REQUIRED.
13- TYPEWRITTEN PANEL TALLS SHALL BE FURNISHED AFTER JOB IS COMPLETED REFLECTING ALL CHANGES AND ADDITIONS.
14- CONTRACTOR TO VERIFY ADJUSTMENT FACTORS FOR MORE THAN THREE CURRENT-CARRYING CONDUCTORS IN A CONDUIT ACCORDING TO TABLE 310-15(b)(2)(g) NEC.
15- CONTRACTOR TO PROVIDE SIGNS ON ELECTRICAL PANELS AND DISCONNECTS: "ELECTRICAL EQUIPMENT WITH POTENTIAL ELECTRIC ARC FLASH HAZARDS". (AS PER NEC 110.16)
16- SERVICE EQUIPMENT IN OTHER THAN DWELLING UNITS SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FAULT CURRENT. THE FIELD MARKING(S) SHALL INCLUDE THE DATE THE FAULT CURRENT CALCULATION WAS PERFORMED AND BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED. (AS PER NEC 110.24(A))
17 - OUTLETS IN OPPOSITE SIDES ON FIRE RATED WALLS TO BE 24" HORZ. APART (MIN). AND FIRE PROTECTED.
18 - ALL SMOKE OR CARBON MONOXIDE DETECTORS TO BE LOCATED 3' APART MIN. FROM A/C OUTLETS AND INTERCONNECTED FOR SIGNALING PURPOSE. CARBON MONOXIDE DETECTORS TO BE LOCATED 10' MAXIMUM FROM ANY SLEEPING AREA.
19- NON-LOCKING RECEPTABLES IN DAMP AND WET LOCATIONS SHALL BE LISTED WEATHER RESISTANT TYPE WITH A WEATHER PROOF ENCLOSURE AS PER NEC 406.8 (A) & (B).
20- BOXES, CONDUIT BODIES, AND FITTINGS INSTALLED IN WET LOCATIONS SHALL BE LISTED FOR USE IN WET LOCATIONS AS PER NEC 314.15(A)
21- WITHIN 30 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE, RECORD DRAWINGS OF THE ACTUAL INSTALLATION SHALL BE PROVIDED TO THE OWNER, INCLUDING A SINGLE LINE DIAGRAM OF BUILDING ELECTRICAL DISTRIBUTION SYSTEM AND FLOOR PLANS INDICATING LOCATION AND AREA SERVED FOR ALL DISTRIBUTION. AS PER FBC EC 505.7.4.1
22 - WITHIN 30 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE, AN OPERATING MANUAL AND MAINTENANCE MANUAL SHALL BE PROVIDED TO THE OWNER, INCLUDING SUBMITTAL DATA STATING EQUIPMENT RATING AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE, OPERATION AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE WITH CLEARLY IDENTIFIED ROUTINE MAINTENANCE ACTIONS AND NAMES AND ADDRESSES OF AT LEAST ONE QUALIFIED SERVICE AGENCY AS PER FBC EC 505.7.4.2

ELECTRICAL LEGEND

SWITCH (+48" CL. AFF UNLESS OTHERWISE NOTED.)
BLANK = SINGLE POLE
3 = THREE-WAY
D = DIMMER
LV= LOW VOLTAGE
LM= LOW VOLTAGE MASTER
PB= PUSH BUTTON STATION
T = TIMER OPERATED
X = EXPLOSION PROOF
2 = DOUBLE POLE
4 = FOUR-WAY
K = KEY OPERATED
L = LOCK
P = WITH PILOT LIGHT
RC= REMOTE CONTROL
WP= WEATHER PROOF
Mo= OCCUPANCY SENSOR
DUPLX RECEPTACLE, WALL. (+18" CL. AFF UNLESS OTHERWISE NOTED.)
DUPLX RECEPTACLE. (+48" CL. AFF UNLESS OTHERWISE NOTED.)
TWO DUPLX RECEPTABLES IN TWO GANG OUTLET BOX "D" DESIGNATION MEANSDEDICATED. (+18" CL. AFF UNLESS OTHERWISE NOTED.)
DUPLX RECEPTACLE. FLOOR MOUNTED.
SINGLE RECEPTACLE, WALL MOUNTED.
(+18" CL. AFF UNLESS OTHERWISE NOTED.)
SPECIAL PURPOSE RECEPTACLE. NEMA CONFIGURATION AS NOTED. WALL MOUNTED.
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DATA OUTLET, WALL MOUNTED.
COMB. DATA OUTLET-TELEPHONE OUTLET, WALL MOUNTED.
TV OUTLET, WALL MOUNTED.
JUNCTION BOX.
LIGHTING FIXTURE TYPE DESIGNATION.
CEILING MOUNTED FLUORESCENT LIGHTING FIXTURE.
(SIZE MAY VARY SEE LIGHTING FIXTURE SCHEDULE.)
CEILING MOUNTED (RECESSED) INCANDESCENT, CIRCLE OR HID LIGHTING FIXTURE.
CEILING MOUNTED (SURFACE OR PENDANT) INCANDESCENT, CIRCLE OR HID LIGHTING FIXTURE.
WALL MOUNTED INCANDESCENT, CIRCLE OR HID LIGHTING FIXTURE.
JUNCTION BOX TO LED STRIP LTS
CEILING MOUNTED EXIT LIGHT SIGN. (PROVIDE ARROWS AS INDICATED ON DRAWINGS.) 90 MIN BATTERY BACK-UP
WALL MOUNTED EXIT LIGHT SIGN. (PROVIDE ARROWS AS INDICATED ON DRAWINGS.) 90 MIN BATTERY BACK-UP
SELF-CONTAINED EMERGENCY LIGHTING UNIT, WALL. 90 MIN BATTERY BACK-UP
COMBO EXIT LIGHT SIGN AND SELF CONTAINED EMERGENCY LIGHTING UNIT. 90 MIN BATTERY BACK-UP
ELECTRIC TIME CLOCK
FAN MOTOR MOTOR CONNECTION.
DISCONNECT SWITCH. "o"=PHASE, "b"= AMP FRAME, "c"= AMP, FUSE "f"=FUSIBLE, C=0 NOT FUSED
DISCONNECT SWITCH. "o"=PHASE, "b"= AMP FRAME, "c"= AMP, FUSE "f"=FUSIBLE, C=0 NOT FUSED NEMA 3X
GROUND CONNECTION.
BRANCH CKT HOME RUN.
DENOTE NUM. OF UNGROUNDED SERVICE WIRE
DENOTE NEUTRAL WIRE
DENOTE GROUND WIRE
ELECTRICAL METER
ELECTRICAL PANEL

GENERAL KITCHEN NOTES:

1 -INTERCONNECT SHUNT TRIP BREAKERS TO SHUT DOWN ALL ELECTRIC SERVICES UNDER EXHAUST HOOD (BY OTHERS). INTERCONNECT WITH EXHAUST/SUPPLY FANS FOR PROPER SHUT DOWN/STAY ON SEQUENCES DURING FIRE CONDITION WITH FIRE SUPPRESSION SYSTEM, SEE MANUFACTURE FOR DETAIL.
2- ELECTRICAL CONTRACTOR FIELD VERIFY EXACT LOCATION (AFF) OF OUTLET EQUIPMENT WITH KITCHEN CONSULTANT AND ARCHITECT PRIOR TO ROUGH-IN.
3- ALL 15A AND 20A 125V RECEPTABLES IN KITCHEN AREA TO BE GFCI PROTECTED (NEC 210.8(B)(2)).
4 - PROVIDE DISCONNECT MEANS FOR ALL KITCHEN EQUIPMENT.
5 - PROVIDE SHUNT-TRIP CIRCUIT BREAKERS FOR ALL EQUIPMENT UNDER KITCHEN HOODS.
6 - PROVIDE COPPER BOND ON ALL FUEL PIPES.
7 - FOR COMPLETE KITCHEN EQUIPMENT SCHEDULE REFER TO ARCHITECTURAL DRAWINGS.

HOOD SYSTEM SEQUENCE OF OPERATION:

UPON ACTIVATION OF THE HOOD FIRE ALARM SYSTEM:
1. ALL APPLIANCES UNDER COMMERCIAL HOOD TO SHUT DOWN.
2. SUPPLY FAN TO HOOD TO SHUT DOWN.
3. GAS SERVICE TO COOKING LINE (GAS SOLENOID) TO SHUT OFF.
4. ANSUL SYSTEM TO BE ACTIVATED.

LIGHTING NOTES

1- REFER TO ARCHITECTURAL CEILING PLAN FOR EXACT LOCATION OF ALL LIGHT FIXTURES.
2- REFER TO ARCHITECTURAL ELEVATIONS FOR FINAL MOUNTING HEIGHTS OF ALL WALL MOUNTED LIGHT FIXTURES UNLESS NOTED OTHERWISE. ARCHITECTURAL ELEVATIONS SHALL DICTATE MOUNTING HEIGHTS OF ALL FIXTURES.
3 COORDINATE FINAL PLACEMENT OF LIGHT FIXTURES IN ALL MECHANICAL SPACES WITH THE FINAL INSTALLED LOCATIONS OF ALL MECHANICAL DUCTWORK AND PIPING.
4- CONTRACTOR TO VERIFY FLUORESCENT LUMINARIES W/DOUBLE ENDED LAMPS TO BE PROVIDED W/INTERNAL DISCONNECTING MEANS TO DISCONNECT SIMULTANEOUSLY ALL CONDUCTORS OF THE BALLAST, INCLUDING THE GROUNDED CONDUCTOR AS PER NEC 410.130 (G)
5- CIRCUITS FOR INTERIOR LIGHTING FIXTURES (INSIDE BUILDINGS 5,000 SQ-F OR LARGER) TO BE DISCONNECTED AT NOT WORKING HOURS BY TIME CLOCK OR OTHER AUTOMATIC CONTROL DEVICE AS PER FBC 13-415.1.ABC.1.1
6- CONTRACTOR TO VERIFY WITH OWNER ARCHITECT LIGHTING FIXTURE TYPE AND SPECIFICATIONS BEFORE INSTALLATION.
7- WIRE AHEAD OF ANY LOCAL SWITCHING FOR ALL EMERGENCY AND EXIT LIGHTS.
8- ADDITIONAL EXIT AND EMERGENCY LIGHTS MAY BE REQUIRED BY THE FIELD FIRE INSPECTOR AT THE TIME OF THE FIRE FINAL.
9- INTERNALLY ILLUMINATED EXIST SIGN SHALL NOT EXCEED 5 WATTS PER SIDE AS PER FBC EC 505.4
10- RECESSED LUMINARIES INSTALLED IN THE BUILDING THERMAL ENVELOPE SHALL BE SEALED TO LIMIT AIR LEAKAGE BETWEEN CONDITIONED AND UNCONDITIONED SPACES. ALL RECESSED LUMINARIES SHALL BE 16-RATED AND LABELED AS MEETING ASTM E 283 (AIR TIGHT) AS PER FBC EC 502.3.8.
11- LIGHTING CONTROLS SHALL BE IN ACCORDANCE WITH FBC 13-415 GUIDELINES. (AUTOMATIC SHUT OFF FOR LIGHTING VIA OCCUPANCY SENSORS TO BE IMPLEMENTED).
12- EGRESS ILLUMINATION SHALL BE AT LEAST 1 FOOTCANDLE MEASURED AT THE FLOOR. F.B.C. EC 1006.
13- LIGHTING SYSTEM CONTROLS SHALL BE COMPLY WITH FBC EC 505
14- LUMINARIES SHALL NO BE USED AS RACEWAY FOR CIRCUIT CONDUCTOR UNLESS LISTED AND MARKED FOR USE AS A RACEWAY.
15- A MINIMUM OF 50% OF THE LAMPS IN PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL BE HIGH-EFFICACY LAMPS. (FBC 404.1).
13- STORAGE BATTERY. STORAGE BATTERIES USED AS A SOURCE OF POWER FOR EMERGENCY SYSTEMS SHALL BE OF SUITABLE RATING AND CAPACITY TO SUPPLY AND MAINTAIN THE TOTAL LOAD FOR A MINIMUM PERIOD OF 1 1/2 HOURS, WITHOUT THE VOLTAGE APPLIED TO THE LOAD FALLING BELOW 871/2 PERCENT OF NORMAL. (NEC 700.12(A))

ELECTRICAL DEMOLITION NOTES

1. WHERE ELECTRIC LIGHTING FIXTURES, SWITCHES, RECEPTABLES, BOXES, CABINETS, DEVICES, ETC. ARE TO BE REMOVED, AND BOXES AND CONDUITS ARE TO REMAIN, ALL CONDUCTORS SHALL BE DE-ENERGIZED, DISCONNECTED AT BOTH ENDS, REVERSED INTO THE BOX, AND THE BOX PLUGGED WITH CEMENT PLASTER OR OTHER APPROVED MATERIAL AND THE WALL, FLOOR, CEILING AND THE LIKE, RESTORED TO MATCH THE SURROUNDING FINISH.
2. WHERE ELECTRICAL FIXTURES, SWITCHES, OUTLETS, RECEPTABLES, BOXES, CABINETS, DEVICES, ETC. ARE TO BE REMOVED, AND THEIR REMOVAL AFFECTS THE OPERATION OF THE EQUIPMENT, FIXTURE, RECEPTABLES, ETC., THAT IS TO REMAIN (INCLUDING ITEMS THAT MAY NOT BE SHOWN IN THE DRAWINGS BUT ARE PRESENTLY EXISTING IN PLACE) THE CONTRACTOR SHALL RE-CIRCUIT THEM (INCLUDING BOXES, CONDUIT, WIRES, ETC.) TO RESTORE THEM TO THE ORIGINAL OPERATING CONDITION.
3. UNUSED OPENINGS IN BOXES, CABINETS, PANELBOARDS, ETC., WHERE CONDUIT IS REMOVED OR PREVIOUSLY EXISTED, SHALL BE PLUGGED OR BLANKED OUT BY APPROVED METHODS, IF THE OPENING IS TO REMAIN.
4. ALL EXPOSED CONDUIT, WIRES, OUTLETS, ETC. NOT TO BE REUSED IN THE NEW REMODELED LAYOUT, SHALL BE REMOVED.
5. EXISTING CONDUIT RUNS, STUBBING UP THRU FLOORS IN AREAS WHERE WALLS ARE TO BE REMOVED, SHALL HAVE THEIR CONDUCTORS DE- ENERGIZED AND REMOVED, CONDUIT CUT-OFF GROUND FLUSH WITH FLOOR AND PLUGGED WITH CEMENT MORTAR OR ANY OTHER APPROVED MATERIAL. THE SAME APPLIES WITH EXISTING CONDUITS THAT ARE STUBBING OUT OF WALLS AND FLOORS.
6. WHERE PRACTICAL, EXISTING CONDUCTORS AND WIRES THAT ARE IN GOOD CONDITION, MAY BE REUSED IN PLACE AND INCORPORATED IN THE NEW REMODELED LAYOUT PROVIDED, IT IS OF PROPER SIZE, TYPE OF CONDUCTOR AND WITH THE APPROVAL OF THE OWNER.
7. ABANDONED CIRCUIT CONDUCTORS IN PANEL BOARDS, SHALL BE DISCONNECTED, TAPED AND IDENTIFIED.
8. CONTRACTOR SHALL VISIT THE SITE, PRIOR BIDDING THIS WORK, TO FAMILIARIZE HIMSELF WITH THE STATUS OF THE SPACE, ALL THE REQUIRED DEMOLITION OR MODIFICATIONS (INCLUDING FIXTURES, OUTLETS, BOXES, PANELBOARDS, BREAKERS, TRANSFORMERS, ETC.) ARE TO BE INCLUDED IN THE WORK TO PERFORM IN ORDER TO HAVE A COMPLETE FINISHED INSTALLATION.
9. CONTRACTORS WORK SHALL BE FULLY COORDINATED WITH BUILDING SYSTEMS, AND ANY MODIFICATIONS, OR ADDITIONS THAT WILL ALTER THE BUILDING, SHALL BE MADE IN FULL COMPATIBILITY WITH THE SYSTEMS. WORK ON THE SYSTEMS AND WORK TO BE DONE IN NON-WORKING HOURS, IF REQUESTED, SHALL BE COORDINATED WITH THE BUILDING MANAGER.

ELECTRICAL PANEL SCHEDULE "A"

TYPE : PANEL BOARD
MOUNTING : FLUSH
ENCLOSURE : NEMA 1
22,000 A.I.C.
MAINS BUS RATING : 200 AMP
VOLTAGE : 120/208V-1PHASE-3WIRE

DESCRIPTION	WIRE & COND. SIZE	LOAD (V.A.)	POLE TRIP	CKT. No.	A	B	C	CKT. No.	POLE TRIP	LOAD (V.A.)	WIRE & COND. SIZE	DESCRIPTION
3 DOOR FREEZER	#12-1/2"	1,500	20	1				2	3			
3 DOOR COOLER	#12-1/2"	1,500	20	3				4				
WORK AREA RECEP.T.	#12-1/2"	1,500	20	5				6		10,000	#6-3/4"	EXISTING RTU
EXIST. SMOKER CONTROL	#12-1/2"	500	20	7				8	3			
EXIST. SMOKER CONTROL	#12-1/2"	500	20	9				10		2,000	#6-3/4"	EXISTING S.F-1
COOLER UNDER COUNTER	#12-1/2"	1,000	20	11				12				
FOOD WARMER TABLE	#12-1/2"	1,500	20	13				14	20	1,500	#12-1/2"	EXISTING E.F.-1
FOOD WARMER TABLE	#12-1/2"	1,500	20	15				16	20	500	#12-1/2"	EXIST. HOOD CONTROL
UNDER COUNT.FOOD WARMER	#12-1/2"	1,500	20	17				18	20	500	#12-1/2"	EXIST. ROOF RECEP.T.
UNDER COUNT.FOOD WARMER	#12-1/2"	1,500	20	19				20	20	500	#12-1/2"	POS
GRAL RECEP.T.	#12-1/2"	1,500	20	21				22	20	1,000	#12-1/2"	LTS
GRAL RECEP.T.	#12-1/2"	1,500	20	23				24	20	1,000	#12-1/2"	LTS
GRAL RECEP.T.	#12-1/2"	1,500	20	25				26	20	1,000	#12-1/2"	LED STRIP LTS
SPARE	1,500	20	27					28	20	1,000	#12-1/2"	WINDOWS RECEP.T
SPARE	1,500	20	29					30	20	500	#12-1/2"	EXIST. SIGN
SPARE	1,500	20	31					32				SPACE
SPACE				33				34				SPACE
SPACE				35				36				SPACE
SPACE				37				38				SPACE
SPACE				39				40				SPACE
SPACE				41				42				SPACE

* CIRCUIT BREAKER WITH SHUNT TRIP CONNECTED TO HOOD FIRE SUPRESION SYSTEM

LOAD CALCULATION PANEL.

TOTAL CONNECTED LOAD = 41,000 VA
CONTINUOUS LOAD AT 125% = 4,500 X 1.25 = 5,625 VA
KITCHEN EQUIPMENT LOAD AT 65% (NEC TABLE 220.56) = 12,500 X 0.65 = 8,125 VA
NON CONTINUOUS LOAD AT 100% = (41,000 - 4,500 - 12,500) = 24,000 VA
TOTAL DEMANDED LOAD = 5,625 + 8,125 + 24,000 = 37,750 VA
TOTAL DEMAND AMPS = 105 AMPS PER PHASE

ELECTRICAL PANEL SCHEDULE

2
E-1
SCALE: NTS

EXISTING ELECTRICAL ROOM

EXISTING ELECTRICAL ROOM
EXISTING 200A, 3P CBKR
PANEL 'A' 200A M.L.O. 1PH, 3W
EXISTING PANEL TO BE REPLACED WITH NEW

WIRING LEGEND

--- DENOTES EXISTING EQUIPMENT/DEVICE/ OR CONDUIT
--- DENOTES NEW EQUIPMENT/DEVICE/ OR CONDUIT
① EXISTING 4-#1/0 THWN CU IN 2".

ELECTRICAL RISER DIAGRAM

3
E-1
SCALE: NTS

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PROPOSED RESTAURANT - SMOKE BOX
GONZALEZ CAPITAL HOLDINGS, LLC
AT
8030 NW 154TH STREET
MIAMI LAKES, FL 33054

DATE
07/15/19

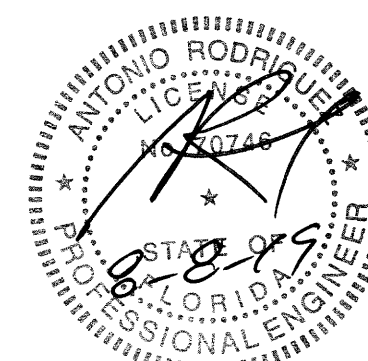
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ELECTRICAL

DRAWN BY
M.A

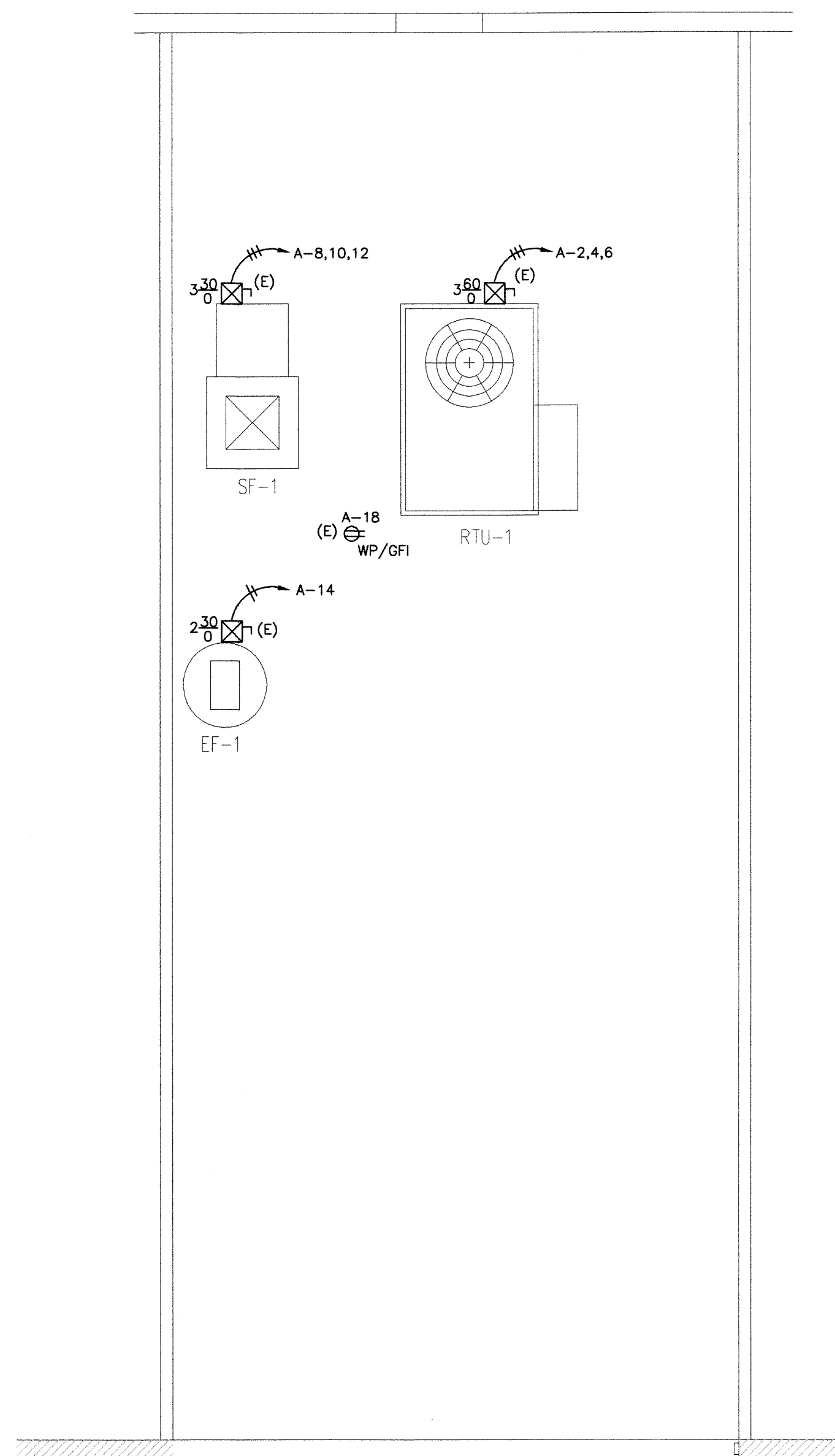
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JOB NUMBER
A2019-09

SHEET NO.
E-1

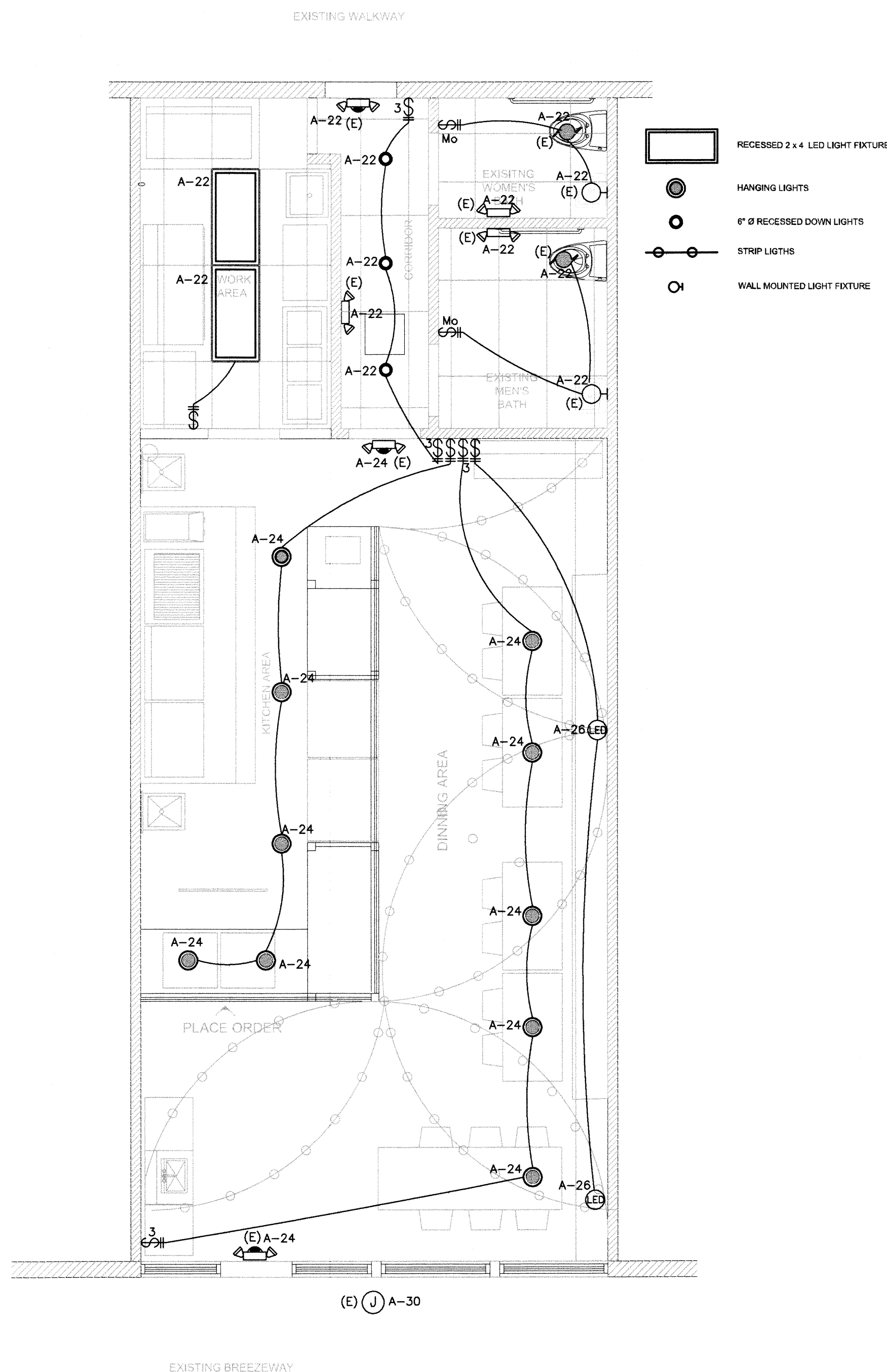


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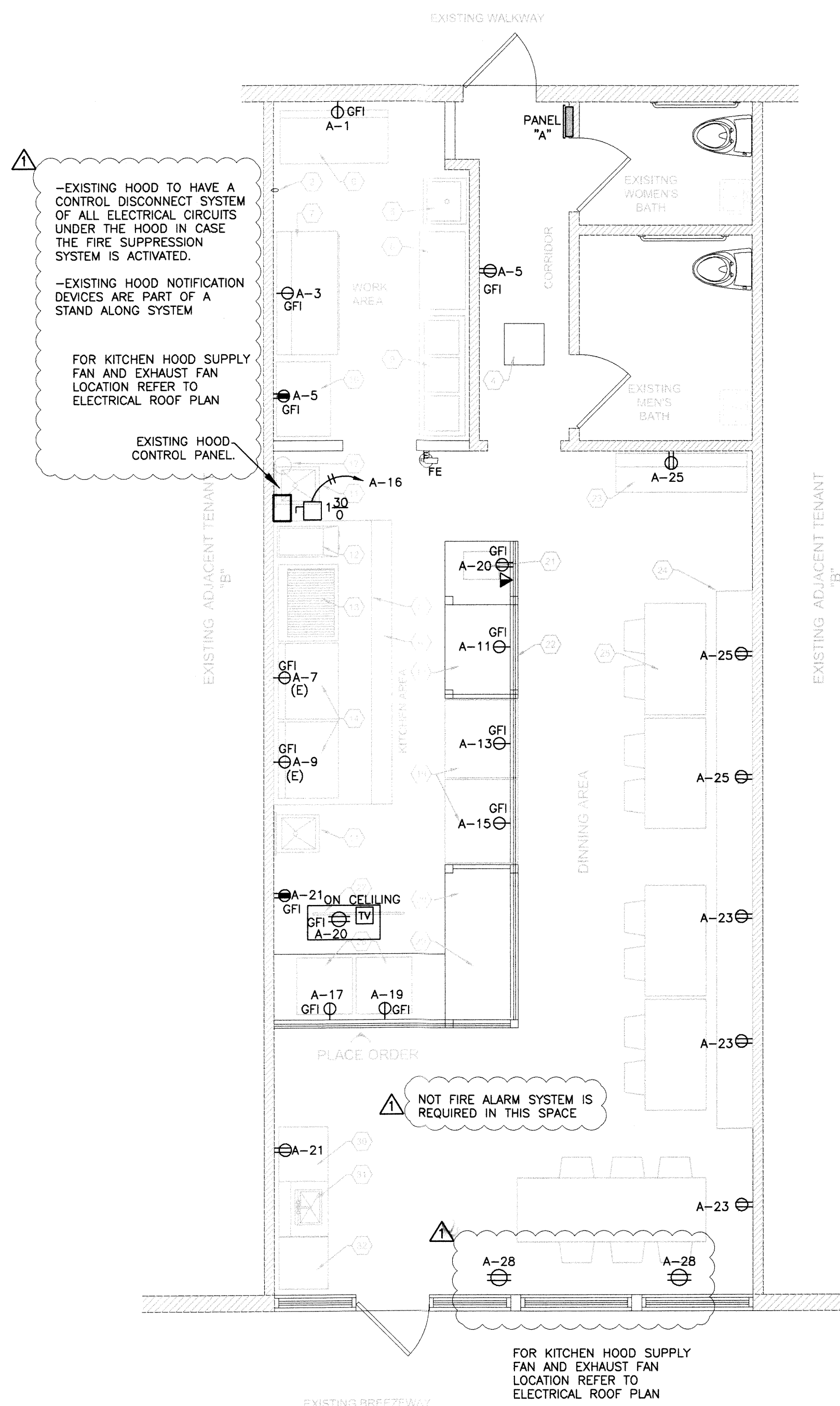
3 ELECTRICAL ROOF PLAN

 E-2 SCALE: 1/4"=1'-0"



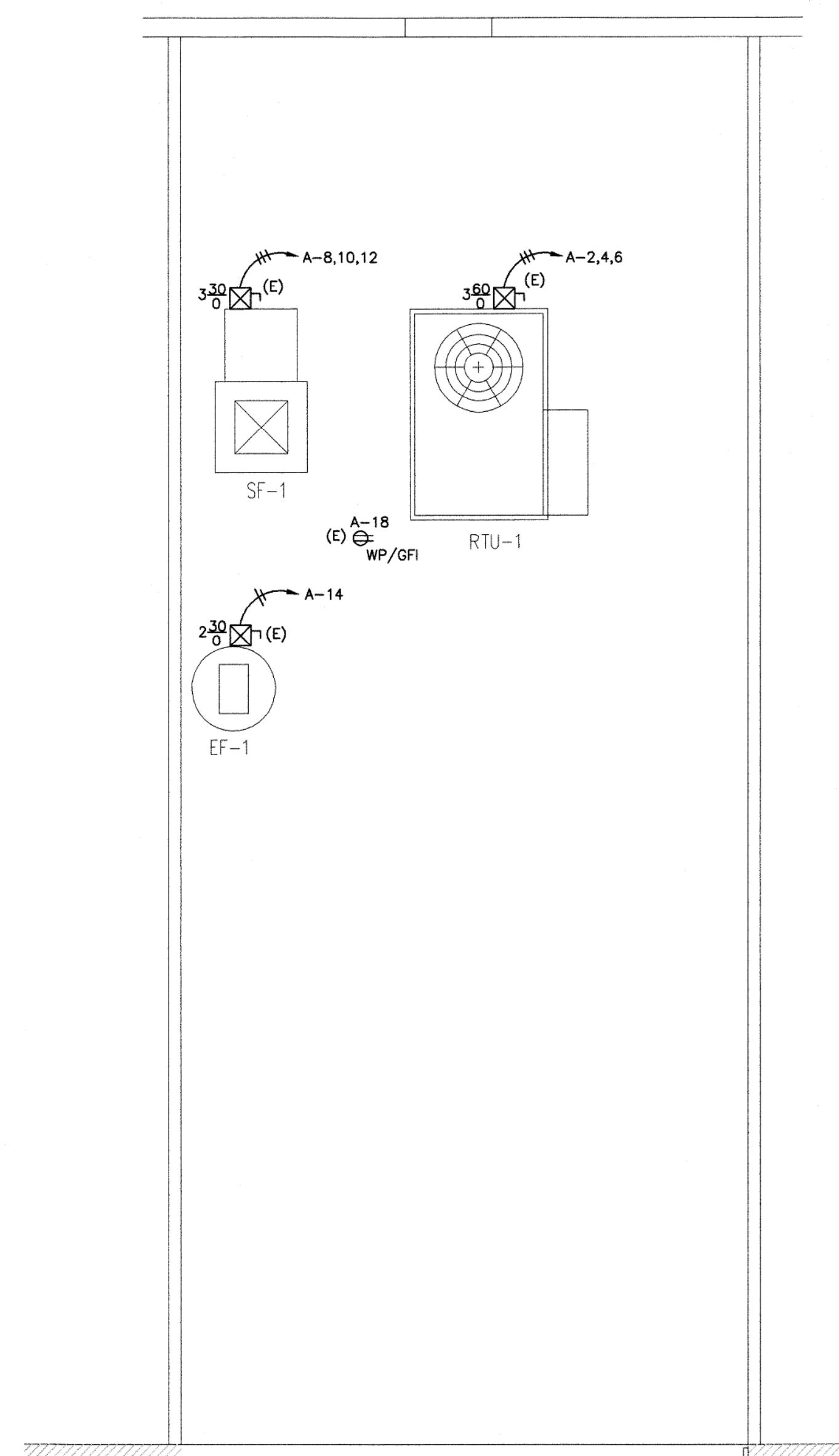
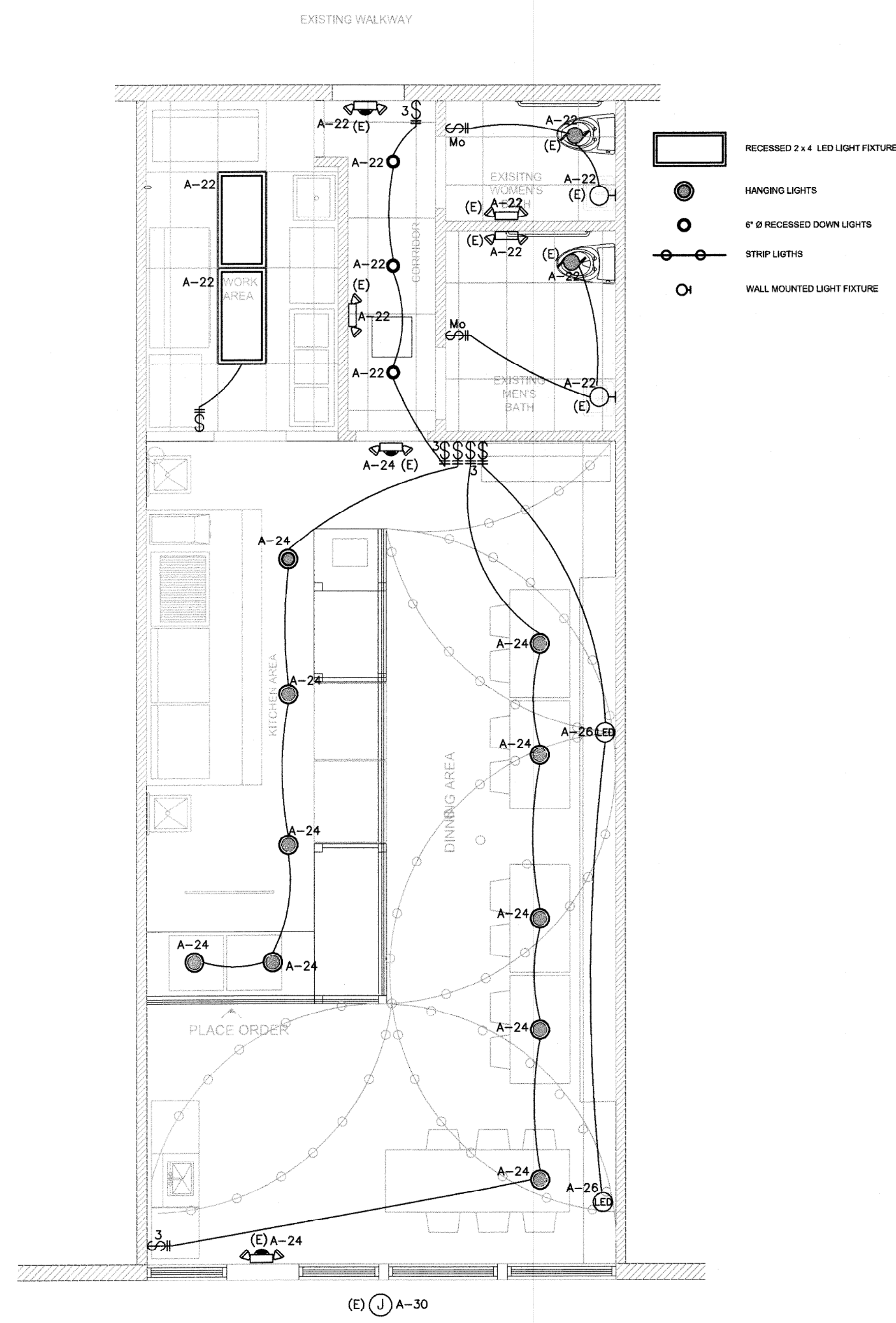
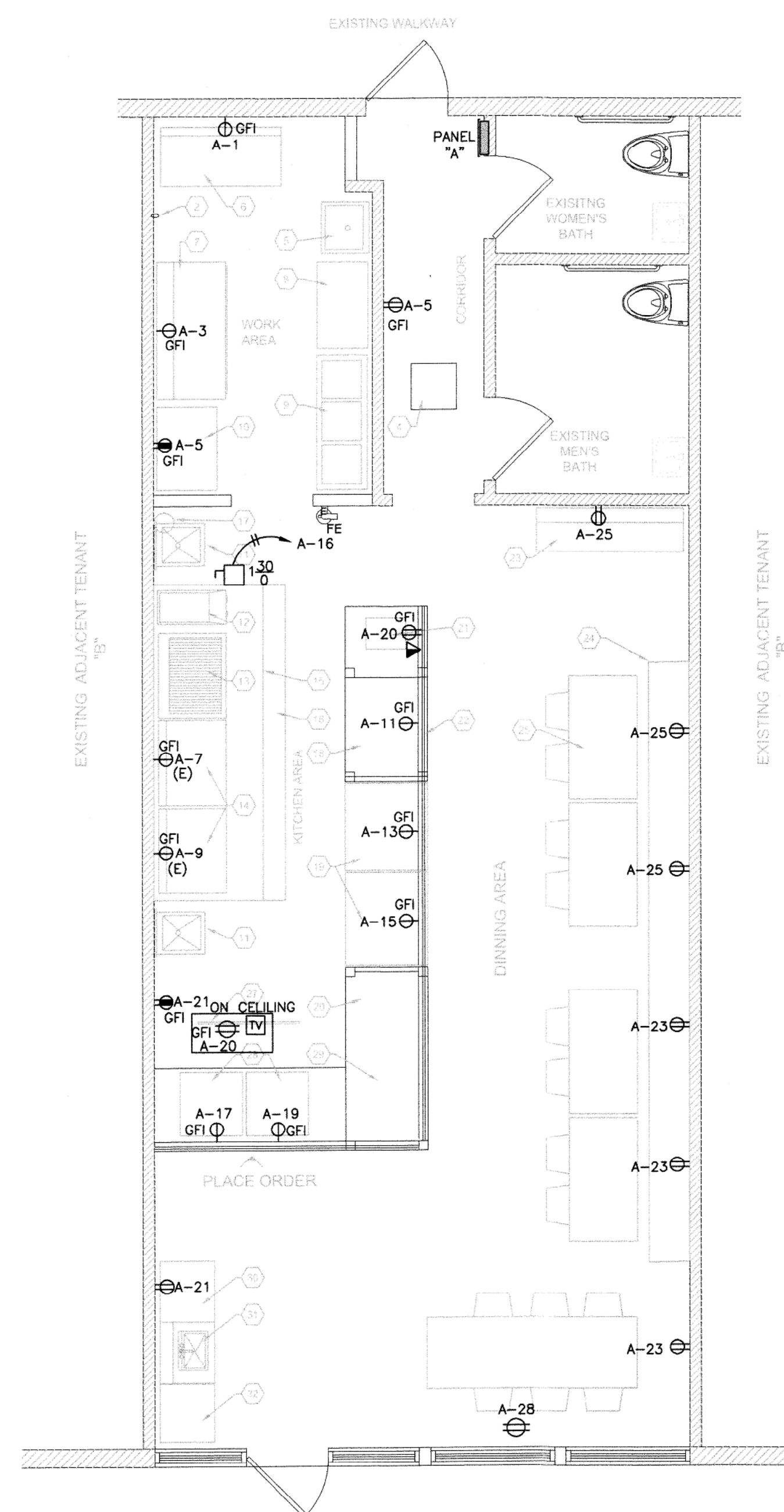
2 ELECTRICAL LIGHTING PLAN

 E-2 SCALE: 1/4"=1'-0"

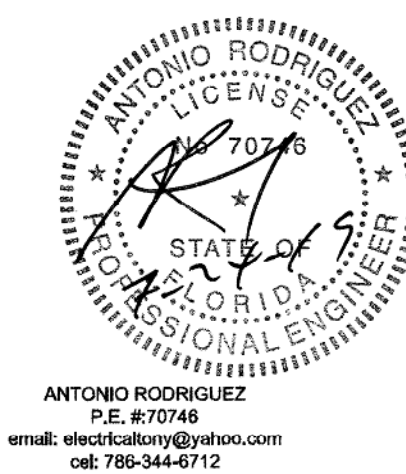


1 ELECTRICAL POWER PLAN

 E-2 SCALE: 1/4"=1'-0"



MDFR NOTE:
AUTOMATIC LIGHTING CONTROL DEVICES
(SHALL COMPLY WITH NFPA 101: 7.8.1.2.2 (1) THROUGH (7)



GENERAL NOTES

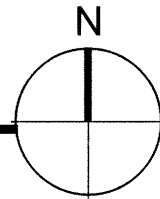
- A. CUTTING AND PATCHING:
1. EXAMINE EXISTING CONDITIONS, INCLUDING ELEMENTS SUBJECT TO DAMAGE OR MOVEMENT DURING CUTTING AND PATCHING.
 2. AFTER UNCOVERING WORK, ASSESS CONDITIONS AFFECTING PERFORMANCE OF WORK.
 3. EXECUTE WORK BY METHODS TO AVOID DAMAGE TO OTHER WORK, AND WHICH WILL PROVIDE APPROPRIATE SURFACES TO RECEIVE PATCHING AND FINISHING.
 4. RESTORE WORK WITH NEW PRODUCTS IN ACCORDANCE WITH REQUIREMENTS OF CONTRACT DOCUMENTS.
 5. FIT WORK TIGHT TO PIPES, SLEEVES, DUCTS, CONDUIT, AND OTHER PENETRATIONS THROUGH SURFACES.
- B. ALTERATION PROJECT PROCEDURES:
1. MATCH EXISTING PRODUCTS AND WORK FOR PATCHING AND EXTENDING WORK
 2. CUT, MOVE, OR REMOVE ITEMS AS NECESSARY FOR ACCESS TO ALTERATIONS AND RENOVATION WORK; REPLACE AND RESTORE AT COMPLETION.
 3. REMOVE UNSUITABLE MATERIAL NOT MARKED FOR SALVAGE, SUCH AS ROTTED WOOD, CORRODED METALS, DETERIORATED MASONRY AND CONCRETE; REPLACE MATERIALS AS SPECIFIED FOR FINISHED WORK.
 4. REMOVE DEBRIS AND ABANDONED ITEMS FROM AREA AND FROM CONCEALED SPACES.
 5. CLOSE OPENINGS IN EXTERIOR SURFACES, DURING CONSTRUCTION, TO PROTECT EXISTING WORK FROM WEATHER AND EXTREMES OF TEMPERATURE AND HUMIDITY.
 6. COORDINATE WORK OF ALTERATION AND RENOVATION WORK WITH OWNER FOR ACCESS TO THE FACILITY.
- C. MATERIALS:
- 1.- INTERIOR WALL AND CEILING FINISH REQUIREMENTS AS PER FBC 2010 BUILDING TABLE 803.9 FOR BUSINESS OCCUPANCY GROUP "B"(NON- SPRINKLERED)
EXIT ENCLOSURES AND EXIT PASSAGEWAYS : CLASS "A"
CORRIDORS : CLASS "B"
ROOMS AND ENCLOSED SPACES : CLASS "C"
CLASS "A" FLAME SPREAD 0-25, SMOKE DEVELOPED 0-450
CLASS "B" FLAME SPREAD 26-75, SMOKE DEVELOPED 0-450
CLASS "C" FLAME SPREAD 76-200, SMOKE DEVELOPED 0-450
 - 2.- TESTING OF MATERIALS. ALL THE REQUIRED TESTS, SHALL BE PERFORMED BY APPROVED TESTING LABORATORY. TEST RESULTS SHALL BE SUBMITTED.
- D. FINISHES:
1. WHERE NEW WORK ABUTS OR ALIGNS WITH EXISTING, MAKE A SMOOTH AND EVEN TRANSITION. PATCH WORK TO MATCH EXISTING ADJACENT WORK IN TEXTURE AND APPEARANCE.
 2. WHEN FINISHED SURFACES ARE CUT SO THAT A SMOOTH TRANSITION WITH NEW WORK IS NOT POSSIBLE, TERMINATE EXISTING SURFACE ALONG A STRAIGHT LINE AT A NATURAL LINE OF DIVISION AND MAKE RECOMMENDATIONS TO ARCHITECT.
 3. AT COMPLETION OF WORK IN EACH AREA, CLEAN AND RETURN SPACE TO A CONDITION SUITABLE FOR USE.
- E. CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS:
1. PRIOR TO STARTING WORK, CONTRACTOR SHALL NOTIFY AUTHORITIES AND/OR OWNERS OF EXISTING CONSTRUCTION AND UTILITIES, ON OR ADJACENT TO SITE, THAT MAY BE AFFECTED BY WORK UNDER THIS CONTRACT.
 2. PROTECT SUCH ITEMS AGAINST DAMAGE. CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATION OF UTILITIES AND CONSTRUCTION MADE NECESSARY BY WORK UNDER THIS CONTRACT, WHETHER TEMPORARY OR PERMANENT.
 3. VENTILATE ENCLOSED AREAS TO PREVENT ACCUMULATION OF DUST, FUMES, VAPORS OR GASSES.
- F. BARRIERS:
1. PROVIDE BARRIERS TO PREVENT UNAUTHORIZED ENTRY TO CONSTRUCTION AREAS AND TO PROTECT EXISTING FACILITIES AND ADJACENT PROPERTIES FROM DAMAGE.
 2. PROVIDE BARRICADES AND COVERED WALKWAYS REQUIRED BY GOVERNING AUTHORITIES FOR PUBLIC RIGHTS-OF-WAY.
 3. PROTECT NON-OWNED VEHICULAR TRAFFIC, STORED MATERIALS, SITE AND STRUCTURES FROM DAMAGE.
 4. PROVIDE TEMPORARY WEATHER-TIGHT CLOSURE TO EXTERIOR OPENINGS, WHEN APPLICABLE, TO PERMIT ACCEPTABLE WORKING CONDITIONS AND PROTECTION OF WORK, AND TO PREVENT ENTRY OF UNAUTHORIZED PERSONS.
 5. PROVIDE ACCESS DOORS WITH SELF-CLOSING HARDWARE AND LOCKS. CLOSURES SHALL NOT BLOCK REQUIRED LEGAL EGRESS ROUTES.
- G. SECURITY:
1. PROVIDE SECURITY AND FACILITIES TO PROTECT WORK, EXISTING FACILITIES, AND OWNER'S OPERATIONS FROM UNAUTHORIZED ENTRY, VANDALISM OR THEFT. COORDINATE WITH TENANT'S SECURITY PROGRAM.
 2. SHOULD IT BE NECESSARY FOR WORK TO BE CONDUCTED ON WEEKENDS OR "OFF HOURS", THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SECURITY OF THE PREMISES. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER IN ORDER TO OBTAIN KEYS AND ARRANGE FOR THE RETURN OF KEYS.
- H. PROGRESS CLEANING:
1. MAINTAIN AREAS FREE OF WASTE MATERIALS, DEBRIS, AND RUBBISH. MAINTAIN SITE IN A CLEAN AND ORDERLY CONDITION.
 2. REMOVE DEBRIS AND RUBBISH FROM PIPE CHASES, PLENUMS, CRAWL SPACES, AND OTHER CLOSED-OR REMOTE SPACES PRIOR TO ENCLOSING THE SPACE.
 3. BROOM AND VACUUM CLEAN INTERIOR AREAS PRIOR TO START OF SURFACE FINISHING, AND CONTINUE CLEANING TO ELIMINATE DUST.
- I. TEMPORARY CONTROLS:
1. NOISE CONTROL: PROVIDE ALL NECESSARY REQUIREMENTS FOR NOISE CONTROL DURING CONSTRUCTION PERIOD. CONFORM WITH APPLICABLE OSHA REQUIREMENTS AND LOCAL ORDINANCES HAVING JURISDICTION.
 2. DUST CONTROL: EXECUTE WORK BY METHODS TO MINIMIZE RAISING DUST FROM CONSTRUCTION OPERATIONS. PROVIDE POSITIVE MEANS TO PREVENT AIR-BORNE DUST FROM DISPERSING INTO ATMOSPHERE.
 3. DEBRIS CONTROL: MAINTAIN ALL AREAS FREE OF EXTRANEOUS DEBRIS. PROVIDE CONTAINERS FOR DEPOSIT OF DEBRIS.
 4. POLLUTION CONTROL: PROVIDE METHODS, MEANS, AND FACILITIES TO PREVENT CONTAMINATION OF SOIL, WATER, AND ATMOSPHERE FROM DISCHARGE OF NOXIOUS, TOXIC SUBSTANCES, AND POLLUTANTS PRODUCED BY CONSTRUCTION OPERATIONS.
- J. REMOVAL OF UTILITIES, FACILITIES AND CONTROLS:
1. CLEAN AND REPAIR DAMAGE CAUSED BY INSTALLATION OR USE OF TEMPORARY WORK.
 2. RESTORE EXISTING FACILITIES USED DURING CONSTRUCTION TO ORIGINAL CONDITION. RESTORE PERMANENT FACILITIES USED DURING CONSTRUCTION TO SPECIFIED CONDITION.
- K. CONTRACT CLOSEOUT:
1. SUBMIT WRITTEN CERTIFICATION THAT CONTRACT DOCUMENTS HAVE BEEN REVIEWED, WORK HAS BEEN INSPECTED, AND THE WORK IS COMPLETE IN ACCORDANCE WITH CONTRACT DOCUMENTS AND READY FOR ARCHITECT'S REVIEW.
 2. PROVIDE SUBMITTALS TO ARCHITECT THAT ARE REQUIRED BY GOVERNING OR OTHER AUTHORITIES.
 3. SUBMIT FINAL APPLICATION FOR PAYMENT IDENTIFYING TOTAL ADJUSTED CONTRACT PRICE, PREVIOUS PAYMENTS, AND AMOUNT OF REMAINING DUE.
 4. ADJUST OPERATING PRODUCTS AND EQUIPMENT TO ENSURE SMOOTH AND UNHINDERED OPERATION.
 5. INSTRUCT OWNER'S/ TENANT'S PERSONNEL, IN OPERATION, ADJUSTMENT, AND MAINTENANCE OF EQUIPMENT AND SYSTEMS, USING THE OPERATION AND MAINTENANCE DATA AS THE BASIS OF INSTRUCTION.
 6. CONDUCT CLEANING AND DISPOSAL OPERATIONS TO COMPLY WITH LOCAL ORDINANCES AND ANTI-POLLUTION LAWS.
 - A) DO NOT DISPOSE OF VOLATILE WASTES SUCH AS MINERAL SPIRITS, OIL OR PAINT THINNER IN STORM OR SANITARY SEWER.
 - B) DO NOT DISPOSE OF WASTES INTO STREAMS OR WATERWAYS. USE MATERIALS WHICH WILL NOT CREATE HAZARDS TO HEALTH OR PROPERTY, AND WHICH WILL NOT DAMAGE SURFACES.
 7. USE ONLY MATERIALS AND METHODS RECOMMENDED BY MANUFACTURER OF MATERIAL BEING CLEANED.
 8. PROVIDE CONTAINERS AND LOCATE ON SITE FOR COLLECTION OF WASTE MATERIALS, RUBBISH AND DEBRIS, WHEN APPLICABLE.
 9. EXECUTE CLEANING TO ENSURE THAT BUILDING, GROUNDS, AND PUBLIC PROPERTIES ARE MAINTAINED FREE FROM ACCUMULATIONS OF WASTE MATERIALS AND RUBBISH.
 10. USE EXPERIENCED WORKMEN, OR PROFESSIONAL CLEANERS FOR FINAL CLEANING.
 11. REMOVE TEMPORARY PROTECTION AND LABELS NOT REQUIRED TO REMAIN.
 12. VACUUM CARPET SURFACES AND POLISH HARD SURFACED FLOOR FINISHES INSTALLED OR AFFECTED BY WORK.
 13. CLEAN PERMANENT FILTERS OF VENTILATING EQUIPMENT AND REPLACE DISPOSABLE FILTERS WHEN UNITS HAVE BEEN OPERATED DURING CONSTRUCTION.
 14. REMOVE WASTE, DEBRIS, AND SURPLUS MATERIALS FROM SITE. CLEAN GROUNDS; REMOVE STAINS, SPILLS, AND FOREIGN SUBSTANCES RESULTING FROM CONSTRUCTION WORK FROM PAVED AREAS, AND SWEEP CLEAN. RAKE OTHER EXTERIOR SURFACES, AS APPLICABLE.
- L. GENERAL NOTES:
1. ALL WORK TO COMPLY WITH ALL LOCAL, STATE, NATIONAL AND FEDERAL REGULATIONS HAVING JURISDICTION OVER THIS PROJECT.
 2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH BUILDING REGULATIONS AND IN A QUALITY WORKMANSHIP LIKE MANNER.
 3. BEFORE COMMENCING WORK, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS & EXISTING CONDITIONS IN THE FIELD. ANY DISCREPANCY BETWEEN THE EXISTING CONDITIONS & THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN WRITING PRIOR TO THE PREPARATION OF BID AND START OF WORK.
 4. IF FIELD CONDITIONS NECESSITATE ANY CHANGES OR MODIFICATIONS, THE CHANGES OR MODIFICATIONS MUST BE APPROVED BY THE ARCHITECT AND OWNER PRIOR TO PROCEEDING WITH WORK.
 5. ALL EXISTING WORK NOT INDICATED FOR DEMOLITION SHALL BE PROTECTED FROM DAMAGE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGED CAUSED BY THE CONSTRUCTION PROCESS.
 6. THE CONTRACTOR SHALL COORDINATE ALL APPLICABLE WORK WITH ALL ASSOCIATED TRADES.
 7. THE CONTRACTOR SHALL ESTABLISH A LIST OF ALL ITEMS WHICH REQUIRE IMMEDIATE PROCESSING DUE TO LONG LEAD ORDERING TIME. THE LIST OF THESE ITEMS SHALL BE SUBMITTED TO THE ARCHITECT AND OWNER WITHIN ONE WEEK AFTER THE CONTRACT IS AWARDED.
 8. THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION SCHEDULE TO THE ARCHITECT AND OWNER WITHIN ONE WEEK AFTER THE AWARD OF THE CONTRACT.
 9. ALL SUBCONTRACTORS SHALL SUBMIT SHOP DRAWINGS THROUGH THE CONTRACTOR. ONCE CHECKED, THE CONTRACTOR SHALL SUBMIT THE SHOP DRAWINGS TO THE ARCHITECT FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION AND INSTALLATION.
 10. MANUFACTURER'S DIRECTIONS FOR APPLICATION, INSTALLATION AND METHODS SHALL BE FOLLOWED ARE HERewith MADE APART OF THE CONSTRUCTION DOCUMENTS.
 11. INSURANCE: THE CONTRACTOR AND EACH SUBCONTRACTOR NEEDS WORKMAN'S COMPENSATION AS REQUIRED BY LAW, AND OWNER REQUIREMENTS AND SUFFICIENT PROTECTION FOR CLAIMS FOR PERSONAL INJURY, INCLUDING DEATH, SHOULD THEY ARISE FROM OPERATIONS UNDER CONTRACT.
 12. CONTRACTOR IS TO EXERCISE SPECIAL CARE IN THE HANDLING OF MATERIALS, EQUIPMENT AND RUBBISH TO AVOID INCONVENIENCE AND ANNOYANCE TO ADJACENT BUILDINGS AND THEIR TENANT AREAS.
 13. ALL PHASING AND ALTERNATE DAILY ROUTES DURING CONSTRUCTION SHALL BE DEVELOPED BY THE CONTRACTOR AS PART OF THEIR MEANS AND METHODS. COORDINATE ALL PHASING WITH THE OWNER.
 14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF SAFETY BARRICADES TO ENSURE SAFETY INSIDE THE BUILDING DURING CONSTRUCTION IN AREAS AFFECTED BY THIS CONTRACT.
 15. MEANS OF EGRESS SHALL BE CONTINUOUSLY MAINTAINED FREE OF ALL OBSTRUCTIONS IN CASE OF FIRE OR OTHER EMERGENCY.
 16. NO SUBSTITUTIONS ARE TO BE MADE WITHOUT APPROVAL BY THE ARCHITECT AND OWNER. CONTRACTOR TO SUBMIT SUBSTITUTE MATERIAL SPECIFICATIONS FOR APPROVAL IN WRITING TO THE ARCHITECT AND OWNER PRIOR TO COMMENCEMENT OF WORK.
 17. CONTRACTOR SHALL HAVE AN ENGLISH-SPEAKING SUPERVISOR / REPRESENTATIVE ON THE WORK SITE AT ALL TIMES, WHO SHALL BE THOROUGHLY KNOWLEDGEABLE OF ALL PLANS, SPECIFICATIONS, AND OTHER CONTRACT DOCUMENTS AND HAS THE AUTHORITY TO ACT IN THE CONTRACTOR'S BEHALF.
 18. ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED
 19. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING WORK.

PROJECT LOCATION



LOCATION /SITE PLAN

N.T.S.



FRONT ENTRY & EXIT VIEW



BACK EXIT DOOR TO PARKING VIEW

CODE ANALYSIS

APPLICABLE CODES

THE FOLLOWING IS A LIST OF APPLICABLE CODES FOR THE PROJECT. WHERE DIFFERENT REQUIREMENTS ARE SPECIFIED BY THE FLORIDA FIRE PREVENTION CODE AND THE FLORIDA BUILDING CODE, THE MOST STRINGENT AND RESTRICTIVE REQUIREMENTS ARE APPLICABLE AND ARE NOTED IN THIS OUTLINE.

- A. FLORIDA BUILDING CODE (FBC), 2017 EDITION (WITH SUPPLEMENTS)
- B. FLORIDA BUILDING CODE - EXISTING BUILDING (FBCB), 2017 EDITION
- C. FLORIDA BUILDING CODE (FBC), 2017 ACCESSIBILITY
- D. FLORIDA FIRE PREVENTION CODE (FFPC), 2015 EDITION
- E. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 101), LIFE SAFETY CODE 6TH EDITION

FIRE JURISDICTION: MIAMI DADE COUNTY

BUILDING DATA

EXISTING BUILDING TYPE OF CONSTRUCTION: TYPE III "A" UNPROTECTED (FBC CHAPTER 6)

CLASS OF CONSTRUCTION (AS PER NFPA 150 TABLE 7.2.2.): TYPE III NONSPRINKLERED

LEVEL OF REHABILITATION (AS PER NFPA 101- CHAPTER 43) RENOVATION

CLASSIFICATION OF WORK: ALTERATION LEVEL II (AS PER FBC EXISTING 504.1)

OCCUPANCY CLASSIFICATION (FBC CHAPTER 3)

EXISTING OCCUPANCY: A-2 ASSEMBLY

PRIMARY OCCUPANCY: A-2 ASSEMBLY

AREAS

EXISTING TENANT SPACE AREA : 974 S.F.

SCOPE OF WORK

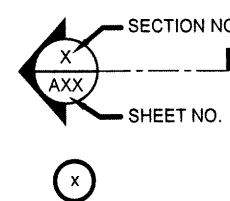
THIS PROJECT CONSISTS OF A RENOVATION OF AN EXISTING RESTAURANT.THE WORK INCLUDES TO THE FOLLOWING SCOPE OF WORK:
NEW PARTITIONS @ KITCHEN AREA ,NEW KITCHEN EQUIPMENT & FIXTURES , COMPLETE BATHS REMODELING, NEW AC EQUIPMENT & DUCTS, NEW FLOORS, NEW ELECTRICAL OUTLETS & LIGHTS

PLUMBING FIXTURES CALCULATION

MIN # OF REQUIRED PLUMBING FIXTURES (FBC 2017 TABLE 403.1)

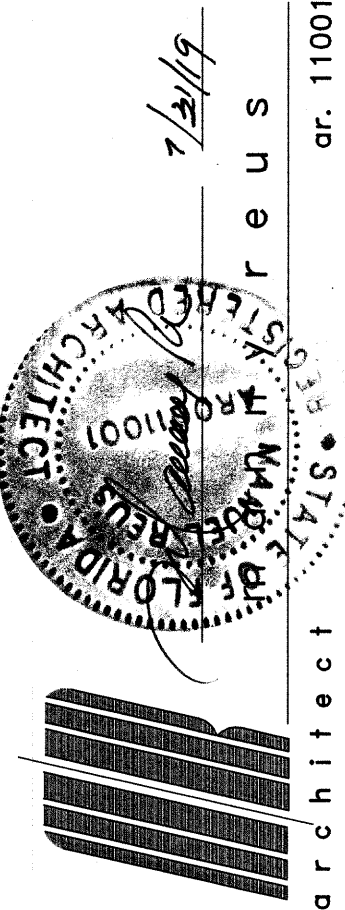
CLASSIFICATION	WATER CLOSETS	LAVATORIES	DRINKING FOUNTAIN	BATH TUB/SH	S.SINK
TOTAL OCCUPANT LOAD : 25 PERSONS					
TOTAL REQUIRED	1	1			
"A-2" ASSEMBLY	1/75 MALE 1/75 FEMALE	1/200	—	—	1
TOTAL REQUIRED	1	1			
TOTAL REQUIRED	1	1	—	—	2+ 1 MOP SINK
TOTAL PROVIDED	2	2			

SYMBOLS



WALL SECTION

DOOR IDENTIFICATION #



manny reus
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18501 pines blvd - suite # 342
pembroke pines, florida. 33029
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PROPOSED RESTAURANT - SMOKE BOX

FOR
GONZALEZ CAPITAL HOLDINGS, LLC
AT
8030 NW 154TH STREET
MIAMI LAKES
FLORIDA

DATE

07/31/19 PERMIT SET

SHEET TITLE

GENERAL NOTES
&
PROJECT INFORMATION

DRAWN BY:

M.A.

CHECKED BY:

JOB NUMBER
A2019-09

SHEET NO.

GN-1

Miami Dade County Department of Regulatory And Economic Resources - Job Copy

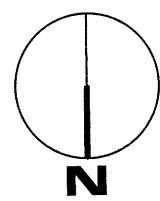
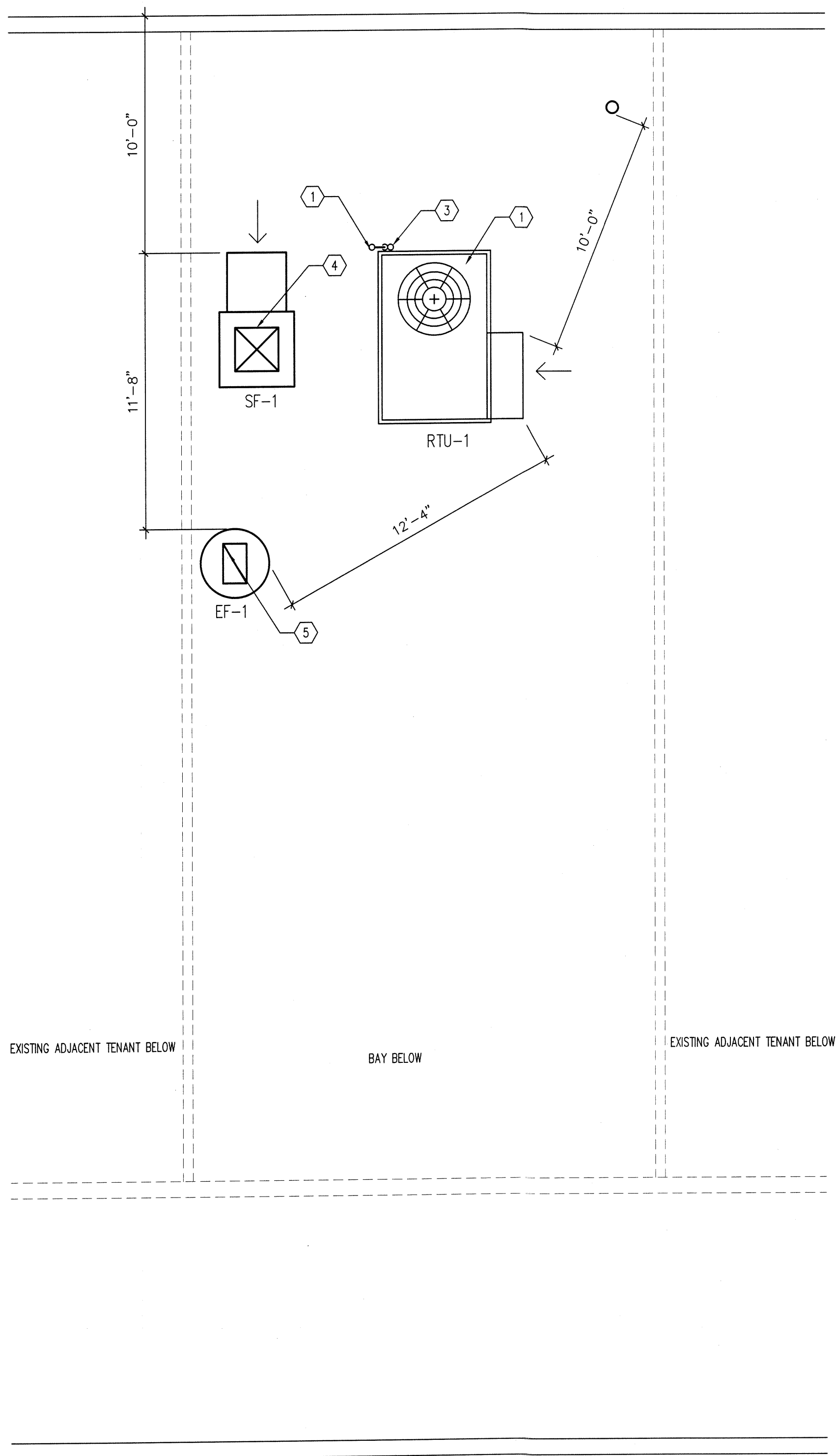
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Examiner Date Time Stamp Disp. Trade Stamp Name

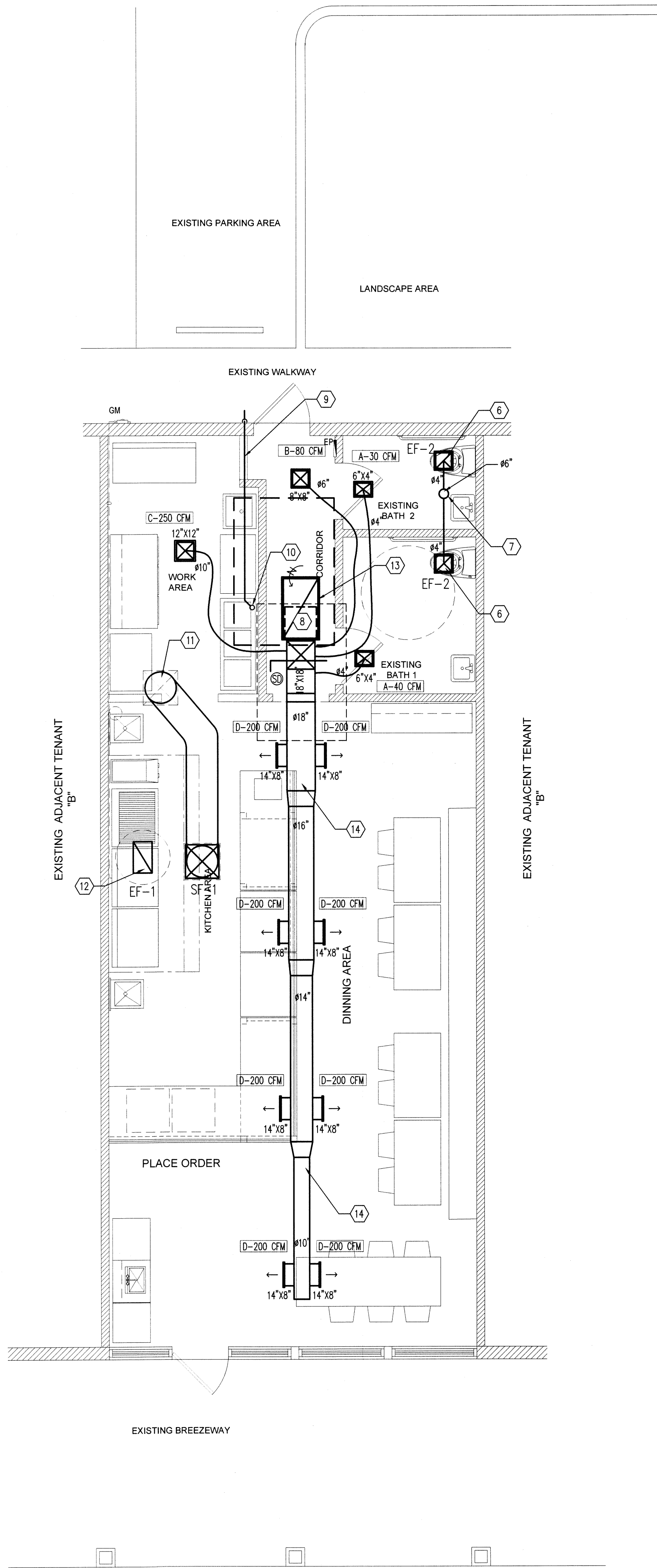
Jose Frias 8/8/2019 12:17:44 PMA FIRE Approved

PROPOSED MECHANICAL ROOF FLOOR PLAN



PROPOSED MECHANICAL GROUND FLOOR PLAN

Scale 1/4"=1'-0"



SUPPLY /RETURN AIR DIFFUSER SCHEDULE

TAG	NECK SIZE	CFM	PATTERN	MANUFACTURER	SERIES	DESCRIPTION
SUPPLY						
A	6" x 4"	0 - 50	1 - WAY	NAILOR	51C-0A	6" x 4" - CURVED BLADE CEILING SUPPLY REGISTER WITH VOLUME DAMPER
B	8" x 8"	80 - 140	1 - WAY	NAILOR	51C-0A	10" x 4" - CURVED BLADE CEILING SUPPLY REGISTER WITH VOLUME DAMPER
C	12" x 10"	220 - 280	1 - WAY	NAILOR	51C-0A	12" x 8" - CURVED BLADE CEILING SUPPLY REGISTER WITH VOLUME DAMPER
D	14" x 8"	180 - 280	1 - WAY	NAILOR	51C-0A	12" x 10" - CURVED BLADE CEILING SUPPLY REGISTER WITH VOLUME DAMPER
RETURN						
1	24"x40"	1930	----	NAILOR	5145H	TRANSFER GRILLE WITHOUT VOLUME DAMPER

NOTES:

- ALL SUPPLY DIFFUSERS, GRILLES AND REGISTERS MUST BE PROVIDED WITH A VOLUME BALANCING DAMPER. BALANCING DAMPER SHALL BE OF THE OPPOSED BLADE WHERE APPLICABLE.
- FINISH TO BE SELECTED BY ARCHITECT.
- MATERIAL SHALL BE ALUMINUM, NO EXCEPTIONS
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF AIR DISTRIBUTION DEVICES.
- CONTRACTOR MUST VERIFY MOUNTING SYSTEM (FRAME STYLE), WITH ARCHITECT, FOR ALL DIFFUSERS, GRILLES AND REGISTERS BEFORE ORDERING.

SHEET METAL DUCT SCHEDULE	
Ø	CFM
4	40
6	40-110
8	111-220
10	221-325

SCOPE OF WORK

-EXISTING 5.0 TON RTU (MANUFACTURER: TRANE, MODEL: TCD 060C300BC) IN BAD SHAPE, TO BE REPLACED BY NEW, SAME SPECIFICATIONS (MANUFACTURER: TRANE, MODEL: TSC 060A3EBA).
NEW 4/8" DUCTING FOR REMODELED RESTAURANT.

NOTE:

VISIT AND CAREFULLY EXAMINE THOSE PORTIONS OF THIS BUILDING AND SITE AFFECTED BY THIS WORK BEFORE SUBMITTING PROPOSALS, SO AS TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT EXECUTION OF THE WORK. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES WILL NOT BE RECOGNIZED. PLANS SHOW A GENERAL DESCRIPTION OF THE ENGINEER INTENTION AS TO THE SCOPE OF WORK. CONTRACTOR SHALL VISIT THE JOB SITE TO FAMILIARIZE WITH THE PLACE AND BRING TO THE ARCHITECT/ENGINEER ANY DISCREPANCIES WITH CONSTRUCTION DOCUMENTS. CONTRACTOR SHALL PROVIDE THE ENGINEER WITH SUBMITTALS OF ALL EQUIPMENT AND MATERIALS INTENDED TO USE TO COMPLETE THE WORK.

HVAC MANDATORY NOTES:

PROVIDE A FLOAT SWITCH THAT WILL SHUT-DOWN THE AHU IN EVENT OR CONDENSATE DRAIN STOPPAGE

PROVIDE MINIMUM R-6 FIBERGLASS DUCT BOARD INSULATION

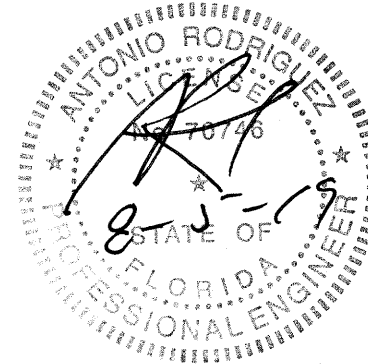
PROVIDE A PROGRAMMABLE THERMOSTAT

TOILET ROOM EXHAUST DUCT SHALL BE OF SHEET METAL AND SHALL BE PROVIDED WITH CORROSION RESISTANT BIRD SCREEN AT OUTLETS

OUTSIDE AIR DUCT TO CONNECT TO RETURN DUCT. PROVIDE A MOTORIZED DAMPER AND A VOLUME DAMPER. O/A DAMPER MUST REMAIN OPEN ALL TIME THE SPACE IS OCCUPIED, EVEN WHEN THE COOLING/HEATING SYSTEM IS NOT WORKING. FBCE 503.2.5.3

REFERENCED NOTES:

- NEW 5 TON RTU-1. SEE SHEET M-2.0 FOR SPECS
- EXISTING 3/4" CONDENSING LINE DN TO REMAIN
- EXISTING CONDENSING HUB TO REMAIN
- EXISTING SUPPLY FAN. TO REMAIN. SEE M-2.0 FOR SPECS
- EXISTING EXHAUST FAN. TO REMAIN. SEE M-2.0 FOR SPECS
- EXISTING CEILING MOUNTED EXHAUST FAN. TO BE REPLACED BY NEW SAME LOCATION. INTERLOCK FAN WITH LIGHT SWITCH.
- EXISTING SHEET METAL DUCT UP TO ROOF TO REMAIN. SEE M-3.0 FOR TERMINATION DETAIL WITH CORROSION RESISTANT BIRD SCREEN.
- PROVIDE AUTOMATIC DAMPER. O/A DAMPER SHALL AUTOMATICALLY SHUT WHEN THE SYSTEM OR SPACE SERVED ARE NOT IN USE.
- EXISTING CONDENSING LINE RUNNING AT CEILING. DISCHARGING OUTSIDE OF BUILDING
- EXISTING 3/4" CONDENSING LINE FROM ABOVE
- EXISTING #20" MUA DUCT UP THRU ROOF TO SF-1 2850 CFM. TO REMAIN
- EXISTING 16"x16" EX DUCT UP THRU ROOF TO EF-1 3220 CFM. TO REMAIN
- 24"x40" RETURN GRILLE
- ROUND METAL INSULATED SUPPLY AIR DUCT



PROPOSED RESTAURANT - SMOKE BOX

FOR
GONZALEZ CAPITAL HOLDINGS, LLC
AT
8030 NW 15-4TH STREET
MIAMI LAKES
FLORIDA

DATE

07/16/19

08-05-19 CITY COMMENTS

SHEET TITLE

MECHANICAL FLOOR PLAN

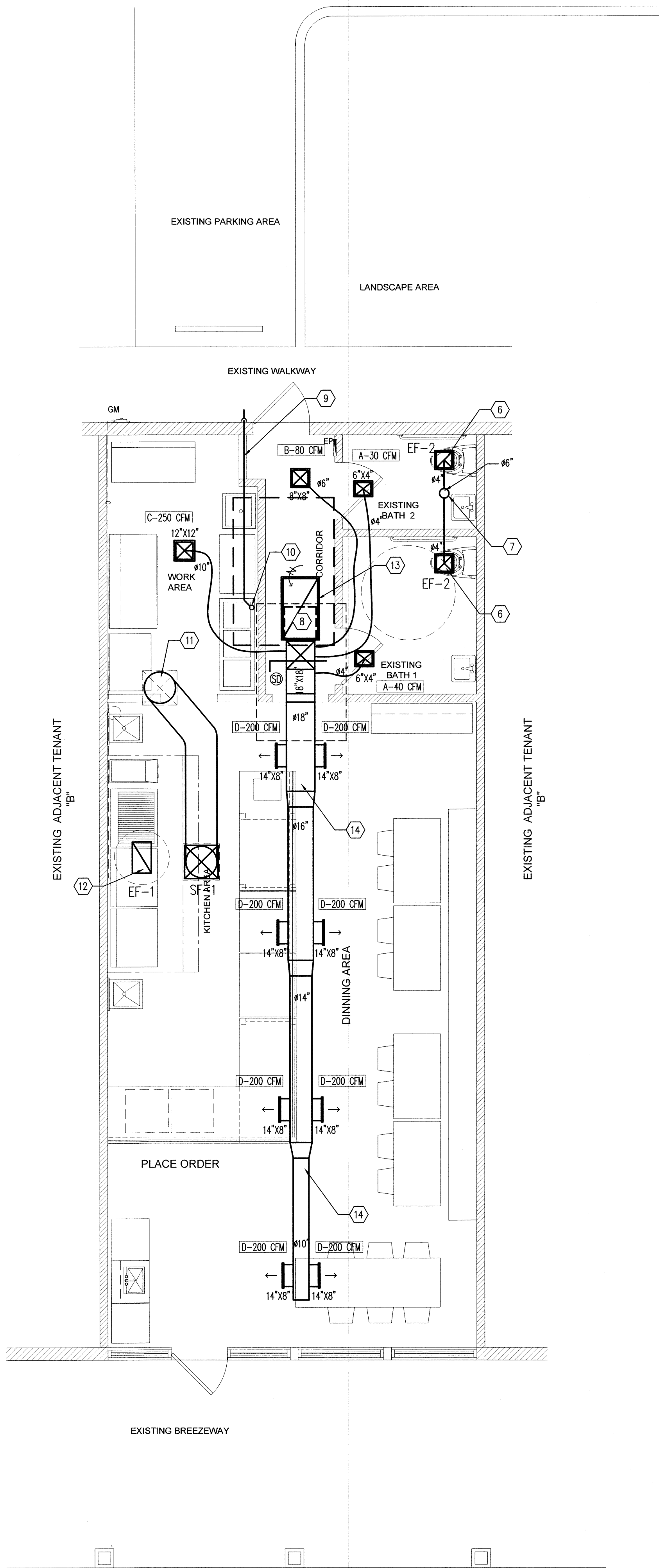
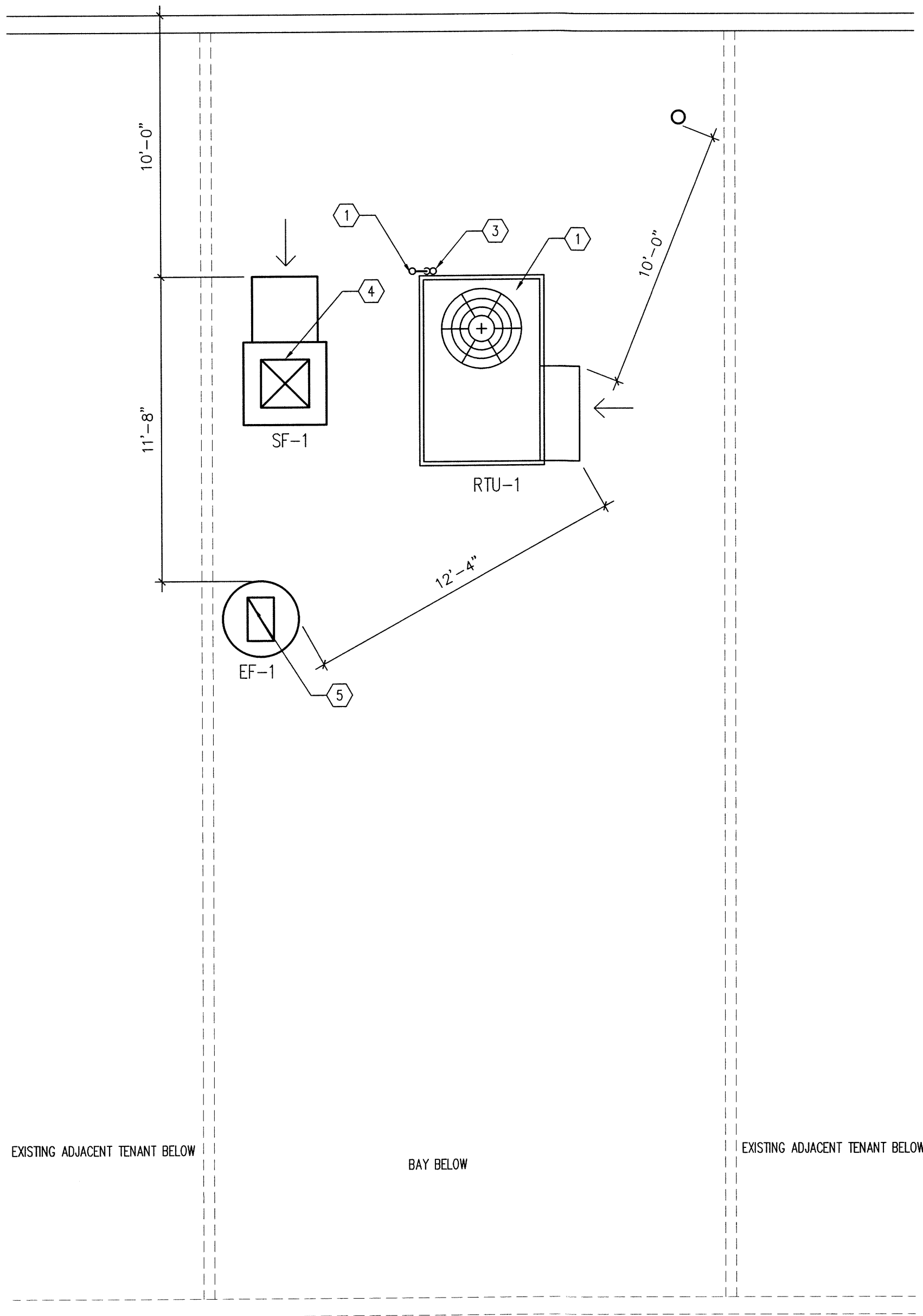
DRAWN BY:
M.A.

CHECKED BY:

JOB NUMBER
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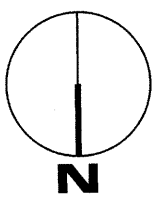
SUPPLY /RETURN AIR DIFFUSER SCHEDULE							
TAG	NECK SIZE	CFM	PATTERN	MANUFACTURER	SERIES	DESCRIPTION	
SUPPLY							
A	6" x 4"	0 - 50	1 - WAY	NAILOR	51C-OA	6" x 4" - CURVED BLADE CEILING SUPPLY REGISTER WITH VOLUME DAMPER	
B	8" x 8"	80 - 140	1 - WAY	NAILOR	51C-OA	10" x 4" - CURVED BLADE CEILING SUPPLY REGISTER WITH VOLUME DAMPER	
C	12" x 10"	220 - 280	1 - WAY	NAILOR	51C-OA	12" x 8" - CURVED BLADE CEILING SUPPLY REGISTER WITH VOLUME DAMPER	
D	14" x 8"	180 - 280	1 - WAY	NAILOR	51C-OA	12" x 10" - CURVED BLADE CEILING SUPPLY REGISTER WITH VOLUME DAMPER	
RETURN							
1	24"x40"	1930	----	NAILOR	5145H	TRANSFER GRILLE WITHOUT VOLUME DAMPER	
NOTES:						SHEET METAL DUCT SCHEDULE	
1. ALL SUPPLY DIFFUSERS, GRILLES AND REGISTERS MUST BE PROVIDED WITH A VOLUME BALANCING DAMPER. BALANCING DAMPER SHALL BE OF THE OPPOSED BLADE WHERE APPLICABLE. 2. FINISH TO BE SELECTED BY ARCHITECT. 3. MATERIAL SHALL BE ALUMINUM, NO EXCEPTIONS 4. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF AIR DISTRIBUTION DEVICES. 5. CONTRACTOR MUST VERIFY MOUNTING SYSTEM (FRAME STYLE), WITH ARCHITECT, FOR ALL DIFFUSERS, GRILLES AND REGISTERS BEFORE ORDERING.						ø	CFM
						4	40
						6	40-110
						8	111-220
						10	221-325

SCOPE OF WORK

NOTES:

HVAC MANDATORY NOTES:

REFERENCED NOTES:



PROPOSED MECHANICAL GROUND FLOOR PLAN

Scale 1/4"=1'-0"



manny reus architect

PROPOSED RESTAURANT - SMOKE BOX

DATE

07/16/19

SHEET TITLE

MECHANICAL FLOOR PLAN

DESIGNED BY: M.A.

CHECKED BY:

JOB NUMBER

A2019-09

SHEET NO.

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architect

ar. 11001

FAN SCHEDULE										
PLAN MARK	SERVING	SELECTION BASED ON		CFM	STATIC PRESSURE	FAN MOTOR				ACCESSORIES
		MANUFACTURER	MODEL			RPM	HP	VOLT-PHASE	AMPS	
EF-1	KITCHEN HOOD	LOREN COOK	180 VCR	3220		1055	1	115-2	4.2	1,3,5,10,23
SF-1	KITCHEN HOOD	LOREN COOK	100 KSP	2850	0.375"	473	1.5	230-3	6	1,3,5,10,24
EF-2	BATHROOMS	GREENHECH	SPB-50	50	0.125	616	$\frac{1}{2}$	115-2	-	1,3,5,10,24
NOTES: 1 2										
ACCESSORIES										
1. BACKDRAFT DAMPER		8. INLET SCREEN		15. WEATHER COVER		22. HINGED FRAMES				
2. THERMOSTAT		9. CURB MOUNT ROOF JACK		16. 2 SPEED / 1 WINDING		22. SPARK / EXPLOSION PROOF				
3. BIRDSCREEN		10. SPEED CONTROLLER		17. FILTERS		23. INTERLOCK WITH LIGHT SWITCH				
4. ROOF CURB		11. WALL SHUTTER		18. WALL COLLAR		24. INTERLOCK WITH AHU				
5. DISCONNECT SWITCH		12. VIBRATION ISOLATORS		19. FAN GUARD / SCREEN						
6. DRAIN		13. WALL CAP		20. COMPANION FLANGES						
7. EQUIPMENT SUPPORTS		14. WALL SHUTTER - MOTORIZED		21. INSULATED HOUSING FOR SOUND CONTROL						

OUTSIDE AIR REQUIREMENT FBC MECHANICAL 2017 TABLE 403.3										
SPACE	OCCUPANCY CLASSIF.	O/A (CFM/PERSON)	O/A (CFM/SQ. FT.)	PEOPLE	SQ. FT.	TOTAL O/A REQUIRED		AHU NUMBER	PROVIDED	
SITTING AREA	FOOD SERVICE	7.5	0.18	25	466	271.38		RTU-1		
COOKING AREA	FOOD SERVICE	7.5	0.18	2	204	51.72		RTU-1		
CORRIDOR	-	0	0.6	0	53	3.18		RTU-1		
BACK SPACE	FOOD SERVICE	7.5	0.18	1	107	26.76		RTU-1		
TOTAL O/A									353.04 CFM	

EXHAUST RATE AT 0.5 CFM PER SQ.FT.X 925 SQFT = 462 > 353 CFM. THE GREATER OF EXHAUST AND O/A IS THE AMOUNT REQUIRED TO BE PROVIDED AS O/A INTO THE SPACE.

PACKAGED AIR CONDITIONER (AIR COOLED)																						
PLAN MARK	SERVING	SELECTION BASED ON		REFRIGERANT TYPE	MINIMUM EFFICIENCY (SEER)	FAN DATA				COOLING COIL DATA				ELECTRIC HEAT		AMBIENT DB	UNIT ELECTRIC DATA				REMARKS	
		MANUFACTURER	MODEL			CFM		E.S.P.	MOTOR H.P.	CAPACITY QT/QS (MBH)	*****		VOLTAGE	KW / STEPS	*****		VOLTA GE	PHAS E	MCA	MOCP		
						S.A.	O.A.				DB	WB										DB
RTU 1	RESTAURANT	TRANE	TSC060A3EBA	R-410A	10.2	2000	462	0.75	2 (1/3)	60.0	77.2	65.2	55.2	54.1	208-230	6.0	95	208-230	3	31.5	50	-
REMARKS: 1: OTHER MANUFACTURER COULD BE USED, BUT SAME SPECIFICATIONS. 2: PROVIDE AUTOMATIC DAMPER IN O/A INTAKE HOOD , DAMPER SHALL AUTOMATICALLY SHUT WHEN THE SYSTEM OR SPACE SERVED ARE NOT IN USE.																						

HOOD AIR BALANCE TABLE			
ITEM	EX CFM	SUPPLY	DIFFERENCE
AIR EXHAUSTED FROM HOODS	3220		
AIR SUPPLY TO HOODS		2850	
TOTAL	3220	2850	-370
KITCHEN AIR BALANCE NEGATIVE (-) -370 CFM			
TOTAL BUILDING AIR BALANCE TABLE			
ITEM	EXHAUST	SUPPLY	DIFFERENCE
KITCHEN	-3220	2850	-370
O/A RTU-1	0	400	+400
TOTAL	-3220	3250	30
TOTAL BUILDING AIR BALANCE POSITIVE (+) 30 CFM			

NOTE: VISIT AND CAREFULLY EXAMINE THOSE PORTIONS OF THIS BUILDING AND SITE AFFECTED BY THIS WORK BEFORE SUBMITTING PROPOSALS, SO AS TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT EXECUTION OF THE WORK. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES WILL NOT BE RECOGNIZED. PLANS SHOW A GENERAL DESCRIPTION OF THE ENGINEER INTENTION AS TO THE SCOPE OF WORK. CONTRACTOR SHALL VISIT THE JOB SITE TO FAMILIARIZE WITH THE PLACE AND BRING TO THE ARCHITECT/ENGINEER ANY DISCREPANCIES WITH CONSTRUCTION DOCUMENTS. CONTRACTOR SHALL PROVIDE THE ENGINEER WITH SUBMITTALS OF ALL EQUIPMENT AND MATERIALS INTENDED TO USE TO COMPLETE THE WORK.		
HVAC MANDATORY NOTES: PROVIDE A FLOAT SWITCH THAT WILL SHUT-DOWN THE AHU IN EVENT OR CONDENSATE DRAIN STOPPAGE PROVIDE MINIMUM R-6 FIBERGLASS DUCT BOARD INSULATION PROVIDE A PROGRAMMABLE THERMOSTAT COMPLY WITH ENERGY VALUES FOR INSULATION OF WALL, ATTIC AND WINDOWS GLASS PROPERTY TOILET ROOM EXHAUST DUCT SHALL BE OF SHEET METAL AND SHALL BE PROVIDED WITH CORROSION RESISTANT BIRD SCREEN AT OUTLETS		
HVAC DESIGN REQUIRES:	YES	NO
DUCT SMOKE DETECTOR	✓	
FIRE DAMPER(S)		✓
SMOKE DAMPER(S)		✓
FIRE RATED ENCLOSURE		✓
FIRE RATED ROOF ASSEMBLY		✓
FIRE STOPPING		✓
SMOKE CONTROL		✓
PROGRAMABLE THERMOSTAT	✓	
DUCT WRAP	✓	

NOTES: -KITCHEN EXHAUST FAN TO BE UL LISTED (UL 762). -EXHAUST EQUIPMENT SERVING TYPE I HOOD SHALL HAVE A CLEARANCE TO COMBUSTIBLE CONSTRUCTION OF NOT LESS THAN 18"		
EXISTING 34 KITCHEN HOOD AND GREASE DUCT SYSTEMS NOTES:		
1. HORIZONTAL GREASE DUCTS SHALL SLOPE A MINIMUM 1/4" INCH PER LINEAR FOOT BACK DOWN TO THE HOOD.		
2. GREASE DUCTS SHALL BE CONTINUOUSLY WELDED MINIMUM 16 GAUGE ANSI TYPE 304 OR 316 STAINLESS STEEL.		
3. GREASE DUCTS SHALL BE INSTALLED A MINIMUM OF 6 INCHES FROM NON-COMBUSTIBLE MATERIALS AND 18 INCHES FROM COMBUSTIBLES, AND OR CLEARANCES SHALL COMPLY WITH THE DUCT FIRE WRAP MFG. REQUIREMENTS.		
4. GREASE DUCTS SHALL HAVE NO SQUARE ELBOWS, OBSTRUCTIONS OR TURNING VANES INSTALLED.		
5. PROVIDE CLEANOUT ACCESS AT ALL GREASE DUCTS CHANGES OF DIRECTIONS.		
6. HOODS SHALL BE FABRICATED IN ACCORDANCE TO NFPA BULLETIN #96 AND SHALL BEAR THE NATIONAL SANITATION FOUNDATION SEAL OF APPROVAL (NSF) AND THEY SHALL BE UL LISTED. ALL SYSTEMS EQUIPMENT AND COMPONENTS SHALL COMPLY WITH NFPA 96.		
7. GREASE DUCT AIR VELOCITY SHALL BE MINIMUM 1500 FEET PER MINUTE.		
8. HOOD DUCT CONNECTION SIZES ARE BASED ON HOOD SELECTED FOR BASIS OF DESIGN (SEE FOOD SERVICE EQUIPMENT DESIGN DOCUMENTS). ACTUAL DUCT CONNECTION SIZES REQUIRED SHALL BE FIELD VERIFIED AND TRANSITIONS PROVIDED TO SUIT EQUIPMENT FURNISHED.		
9. SUPPLY AND EXHAUST FANS SHALL BE INTERLOCKED.		
10. IN FIRE MODE, THE EXHAUST FAN SHALL CONTINUE TO OPERATE AND THE SUPPLY FAN SHALL STOP.		
11. INSULATE KITCHEN EXHAUST DUCT WITH 3M FIRE BARRIER WRAP		
12. SUPPLY AND EXHAUST FANS ARE INTERLOCKED WITH A PILOT LIGHT IN KITCHEN AREA.		
13. FIRE MODE REQUIRES THE EXHAUST FAN TO CONTINUE TO OPERATE, SUPPLY FAN STOPS AND ACTIVATES BUILDING ALARM SYSTEM.		
14. HOOD EXHAUST FAN SHALL OPERATE WHENEVER THE EXTINGUISHING SYSTEM		
15. THE HOOD TYPE I FILTERS TO BE LISTED AND IN CONFORMANCE WITH THE REQUIREMENTS OF UL 1046. FMC 507.11.1		

GENERAL NOTES			
1-CODES AND STANDARDS: ALL MECHANICAL WORK SHALL BE IN STRICT COMPLIANCE WITH THE STANDARD PLUMBING CODE 2017 6TH EDITION AND ALL LOCAL CODES HAVING JURISDICTION.			
2-DUCT CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE SMACNA HVAC DUCT CONSTRUCTION STANDARD.			
3-COORDINATE DIFFUSER, GRILLE AND REGISTER LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS AND EQUIPMENT OF ALL TRADES.			
4-PROVIDE AIR TURNING VANES IN ALL 90 DEGREE RECTANGULAR DUCT ELBOWS.			
5-CONNECTION TO EQUIPMENT SHALL BE VERIFIED WITH MANUFACTURER'S CERTIFIED DRAWINGS. TRANSITIONS TO ALL EQUIPMENT SHALL BE VERIFIED AND PROVIDED FOR EQUIPMENT FURNISHED.			
6-DUCT SIZES AND ALL OPENINGS THROUGH BUILDING CONSTRUCTION SHALL SUIT EQUIPMENT FURNISHED.			
7-LOCATE THERMOSTATS, TEMPERATURE SENSORS, HUMIDISTATS, AND HUMIDITY SENSORS AT 48" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE. COORDINATE LOCATIONS WITH OTHER EQUIPMENT, FURNITURE, AND DOOR SWINGS.			
8-LOCATE THERMOSTATS, TEMPERATURE SENSORS, HUMIDISTATS, AND HUMIDITY SENSORS AT 48" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE. COORDINATE LOCATIONS WITH OTHER EQUIPMENT, FURNITURE, AND DOOR SWINGS. ALL DUCT SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS.			
9-REFER TO TYPICAL DETAILS FOR PIPING AND INSTALLATION OF EQUIPMENT.			
10-TRAPPED CONDENSATE DRAINS FROM ALL MECHANICAL EQUIPMENT SHALL BE PROVIDED FOR PROPER DRAINAGE TO SUIT EQUIPMENT FURNISHED.			
11-ALL EQUIPMENT, DUCTWORK, ETC., SHALL BE SUPPORTED AS DETAILED AND/OR SPECIFIED. PROVIDE ADDITIONAL SUPPORTS AS REQUIRED TO PROVIDE A VIBRATION-FREE, RIGID INSTALLATION.			
12-ALL DUCTWORK AND PIPING IS SHOWN SCHEMATICALLY. PROVIDE ALL TRANSITIONS, TURNING VANES, ELBOWS, FITTINGS, ETC., TO ALLOW SMOOTH FLOWS. ALL SPLIT DUCT FITTINGS SHALL TRANSITION TO FULL SIZE OF THE SUM OF BOTH BRANCHES, UPSTREAM OF SPLIT.			
13-PROVIDE CONCRETE HOUSEKEEPING PAD UNDER ALL FLOOR-MOUNTED EQUIPMENT. REFER TO SPECIFICATIONS FOR DETAILED REQUIREMENTS.			
14-VERIFY FINISH WITH ARCHITECT PRIOR TO PURCHASING GRILLES, REGISTERS, DIFFUSERS, LOUVERS AND OTHER AIR DISTRIBUTION DEVICES.			
15-PROVIDE TRANSITIONS AT DIFFUSER NECKS AS REQUIRED TO MATCH SIZES OF FLEX DUCTS TO BE CONNECTED.			
16-DUCT RUNOUTS TO DIFFUSERS SHALL MATCH THE SIZE OF THE DIF			
HVAC ABBREVIATIONS			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
AFF	-ABOVE FINISHED FLOOR	MCA	-MINIMUM CIRCUIT AMPS
AFR	-ABOVE FINISHED ROOF	MOCP	-MAXIMUM OVER CURRENT PROTECTION
AHU	-AIR HANDLING UNIT	NTS	-NOT TO SCALE
AP	-ACCESS PANEL	OA	-OUTSIDE AIR
BHP	-BRAKE HORSEPOWER	OAL	-OUTSIDE AIR LOUVER
BTU	-BRITISH THERMAL UNIT	PSI	-POUNDS PER SQUARE INCH
CFM	-CFM (CUBIC FEET PER MINUTE)	PSIG	-PSI GAUGE
CD	-CEILING DIFFUSER	PTAC	-PACKAGED TERMINAL AIR CONDITIONER
CV	-CONSTANT AIR VOLUME	PVC	-POLYVINYL CHLORIDE PIPE
CFM	-CUBIC FEET PER MINUTE	RA	-RETURN AIR
CU	-CONDENSING UNIT	RHC	-REHEAT COIL
DN	-DOWN	RPM	-REVOLUTIONS PER MINUTE
EAT	-ENTERING AIR TEMPERATURE	RS/L	-REFRIGERANT SUCTION & LIQUID LINES
ESP	-EXTERNAL STATIC PRESSURE	SA	-SUPPLY AIR
FLA	-FULL LOAD AMPS	SP	-STATIC PRESSURE
FPM	-FEET PER MINUTE	TSP	-TOTAL STATIC PRESSURE
GPM	-GALLONS PER MINUTE	UNO	-UNLESS NOTED OTHERWISE
KW	-KILOWATT	V/PH	-VOLTS/PHASE
LAT	-LEAVING AIR TEMPERATURE		
LD	-LINEAR DIFFUSER		
MBH	-THOUSAND BTUs PER HOUR		
HVAC EQUIPMENT TAGS			
TAG (A 200) CFM AHU-1 AHU NUMBER			
		-AIR DISTRIBUTION DEVICE	
		-AIR HANDLING UNIT	

manny reus

architecture - space planning

18501 pines blvd - suite # 342

pembroke pines, florida. 33029

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architect

PROPOSED RESIDENT - SMOKE BOX

FOR

GONZALEZ CAPITAL HOLDINGS, LLC

AT

8630 NW 154TH STREET

MIAMI LAKES

FLORIDA

DATE

07/16/19

08-05-19 CITY COMMENTS

SHEET TITLE

MECHANICAL FLOOR PLAN

DRAWN BY: M.A.

CHECKED BY:

JOB NUMBER

A2019-09

SHEET NO.

M-2

FAN SCHEDULE										
PLAN MARK	SERVING	SELECTION BASED ON		CFM	STATIC PRESSURE	FAN MOTOR				ACCESSORIES
		MANUFACTURER	MODEL			RPM	HP	VOLT-PHASE	AMPS	
EF-1	KITCHEN HOOD	LOREN COOK	180 VCR	3220	1"	1055	1	115-2	4.2	1,3,5,10,23
SF-1	KITCHEN HOOD	LOREN COOK	100 KSP	2850	0.375"	473	1.5	230-3	6	1,3,5,10,24
EF-2	BATHROOMS	GREENHECH	SPB-50	50	0.125	616	$\frac{1}{20}$	115-2	-	1,3,5,10,24
NOTES: 1 2										
ACCESSORIES										
1. BACKDRAFT DAMPER		8. INLET SCREEN		15. WEATHER COVER		22. HINGED FRAMES				
2. THERMOSTAT		9. CURB MOUNT ROOF JACK		16. 2 SPEED / 1 WINDING		22. SPARK / EXPLOSION PROOF				
3. BIRDSCREEN		10. SPEED CONTROLLER		17. FILTERS		23. INTERLOCK WITH LIGHT SWITCH				
4. ROOF CURB		11. WALL SHUTTER		18. WALL COLLAR		24. INTERLOCK WITH AHU				
5. DISCONNECT SWITCH		12. VIBRATION ISOLATORS		19. FAN GUARD / SCREEN						
6. DRAIN		13. WALL CAP		20. COMPANION FLANGES						
7. EQUIPMENT SUPPORTS		14. WALL SHUTTER - MOTORIZED		21. INSULATED HOUSING FOR SOUND CONTROL						

OUTSIDE AIR REQUIREMENT FBC MECHANICAL 2017 TABLE 403.3									
SPACE	OCCUPANCY CLASSIF.	O/A (CFM/PERSON)	O/A (CFM/SQ. FT.)	PEOPLE	SQ. FT.	TOTAL O/A REQUIRED		AHU NUMBER	PROVIDED
SITTING AREA	FOOD SERVICE	7.5	0.18	25	466	271.38		RTU-1	
COOKING AREA	FOOD SERVICE	7.5	0.18	2	204	51.72		RTU-1	
CORRIDOR	-	0	0.6	0	53	3.18		RTU-1	
BACK SPACE	FOOD SERVICE	7.5	0.18	1	107	26.76		RTU-1	
TOTAL O/A									353.04 CFM

EXHAUST RATE AT 0.5 CFM PER SQ.FT.X 925 SQFT = 462 > 353 CFM. THE GREATER OF EXHAUST AND O/A IS THE AMOUNT REQUIRED TO BE PROVIDED AS O/A INTO THE SPACE.

PACKAGED AIR CONDITIONER (AIR COOLED)																						
PLAN MARK	SERVING	SELECTION BASED ON		REFRIGERANT TYPE	MINIMUM EFFICIENCY (SEER)	FAN DATA				COOLING COIL DATA				ELECTRIC HEAT		AMBIENT	UNIT ELECTRIC DATA				REMARKS	
		MANUFACTURER	MODEL			CFM		E.S.P.	MOTOR H.P.	CAPACITY QT/QS (MBH)					VOLTAGE		KW/STEPS	VOLTA GE	PHAS E	MCA		MOCP
						S.A.	O.A.				DB	WB	DB	WB								
RTU 1	RESTAURANT	TRANE	TSC060A3EBA	R-410A	10.2	2000	462	0.75	2 (1/3)	60.0	77.2	65.2	55.2	54.1	208-230	6.0	95	208-230	3	31.5	50	-
REMARKS:																						
1: OTHER MANUFACTURER COULD BE USED, BUT SAME SPECIFICATIONS.																						
2: PROVIDE AUTOMATIC DAMPER IN O/A INTAKE HOOD. DAMPER SHALL AUTOMATICALLY SHUT WHEN THE SYSTEM OR SPACE SERVED ARE NOT IN USE.																						

HOOD AIR BALANCE TABLE			
ITEM	EX CFM	SUPPLY	DIFFERENCE
AIR EXHAUSTED FROM HOODS	3220		
AIR SUPPLY TO HOODS		2850	
TOTAL	3220	2850	-370

KITCHEN AIR BALANCE NEGATIVE (-) -370 CFM

TOTAL BUILDING AIR BALANCE TABLE			
ITEM	EXHAUST	SUPPLY	DIFFERENCE
KITCHEN	-3220	2850	-370
O/A RTU-1	0	400	+400
TOTAL	-3220	3250	30

TOTAL BUILDING AIR BALANCE POSITIVE (+) 30 CFM

NOTE:

VISIT AND CAREFULLY EXAMINE THOSE PORTIONS OF THIS BUILDING AND SITE AFFECTED BY THIS WORK BEFORE SUBMITTING PROPOSALS, SO AS TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT EXECUTION OF THE WORK. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES WILL NOT BE RECOGNIZED. PLANS SHOW A GENERAL DESCRIPTION OF THE ENGINEER INTENTION AS TO THE SCOPE OF WORK. CONTRACTOR SHALL VISIT THE JOB SITE TO FAMILIARIZE WITH THE PLACE AND BRING TO THE ARCHITECT/ENGINEER ANY DISCREPANCIES WITH CONSTRUCTION DOCUMENTS. CONTRACTOR SHALL PROVIDE THE ENGINEER WITH SUBMITTALS OF ALL EQUIPMENT AND MATERIALS INTENDED TO USE TO COMPLETE THE WORK.

HVAC MANDATORY NOTES:

PROVIDE A FLOAT SWITCH THAT WILL SHUT-DOWN THE AHU IN EVENT OR CONDENSATE DRAIN STOPPAGE

PROVIDE MINIMUM R-6 FIBERGLASS DUCT BOARD INSULATION

PROVIDE A PROGRAMMABLE THERMOSTAT

COMPLY WITH ENERGY VALUES FOR INSULATION OF WALL, ATTIC AND WINDOWS GLASS PROPERTY

TOILET ROOM EXHAUST DUCT SHALL BE OF SHEET METAL AND SHALL BE PROVIDED WITH CORROSION RESISTANT BIRD SCREEN AT OUTLETS

HVAC DESIGN REQUIRES:	YES	NO
DUCT SMOKE DETECTOR	✓	
FIRE DAMPER(S)		✓
SMOKE DAMPER(S)		✓
FIRE RATED ENCLOSURE		✓
FIRE RATED ROOF ASSEMBLY		✓
FIRE STOPPING		✓
SMOKE CONTROL		✓
PROGRAMMABLE THERMOSTAT	✓	
DUCT WRAP	✓	

NOTES:

-KITCHEN EXHAUST FAN TO BE UL LISTED (UL 762).
-EXHAUST EQUIPMENT SERVING TYPE I HOOD SHALL HAVE A CLEARANCE TO COMBUSTIBLE CONSTRUCTION OF NOT LESS THAN 18"

KITCHEN HOOD AND GREASE DUCT SYSTEMS NOTES:

- HORIZONTAL GREASE DUCTS SHALL SLOPE A MINIMUM 1/4" INCH PER LINEAR FOOT BACK DOWN TO THE HOOD.
- GREASE DUCTS SHALL BE CONTINUOUSLY WELDED MINIMUM 16 GAUGE ANSI TYPE 304 OR 316 STAINLESS STEEL.
- GREASE DUCTS SHALL BE INSTALLED A MINIMUM OF 6INCHES FROM NON-COMBUSTIBLE MATERIALS AND 18 INCHES FROM COMBUSTIBLES, AND OR CLEARANCES SHALL COMPLY WITH THE DUCT FIRE WRAP MFG. REQUIREMENTS.
- GREASE DUCTS SHALL HAVE NO SQUARE ELBOWS, OBSTRUCTIONS OR TURNING VANES INSTALLED.
- PROVIDE CLEANOUT ACCESS AT ALL GREASE DUCTS CHANGES OF DIRECTIONS.
- HOODS SHALL BE FABRICATED IN ACCORDANCE TO NFPA BULLETIN #96 AND SHALL BEAR THE NATIONAL SANITATION FOUNDATION SEAL OF APPROVAL (NSF) AND THEY SHALL BE UL LISTED. ALL SYSTEMS EQUIPMENT AND COMPONENTS SHALL COMPLY WITH NFPA 96.
- GREASE DUCT AIR VELOCITY SHALL BE MINIMUM 1500 FEET PER MINUTE.
- HOOD DUCT CONNECTION SIZES ARE BASED ON HOOD SELECTED FOR BASIS OF DESIGN (SEE FOOD SERVICE EQUIPMENT DESIGN DOCUMENTS). ACTUAL DUCT CONNECTION SIZES REQUIRED SHALL BE FIELD VERIFIED AND TRANSITIONS PROVIDED TO SUIT EQUIPMENT FURNISHED.
- SUPPLY AND EXHAUST FANS SHALL BE INTERLOCKED.
- IN FIRE MODE, THE EXHAUST FAN SHALL CONTINUE TO OPERATE AND THE SUPPLY FAN SHALL STOP.
- INSULATE KITCHEN EXHAUST DUCT WITH 3M FIRE BARRIER WRAP
- SUPPLY AND EXHAUST FANS ARE INTERLOCKED WITH A PILOT LIGHT IN KITCHEN AREA.
- FIRE MODE REQUIRES THE EXHAUST FAN TO CONTINUE TO OPERATE, SUPPLY FAN STOPS AND ACTIVATES BUILDING ALARM SYSTEM.
- HOOD EXHAUST FAN SHALL OPERATE WHENEVER THE EXTINGUISHING SYSTEM
- THE HOOD TYPE I FILTERS TO BE LISTED AND IN CONFORMANCE WITH THE REQUIREMENTS OF UL 1046. FMC 507.11.1

GENERAL NOTES

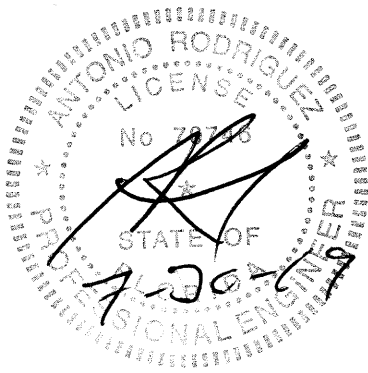
- CODES AND STANDARDS: ALL MECHANICAL WORK SHALL BE IN STRICT COMPLIANCE WITH THE STANDARD PLUMBING CODE 2017 6TH EDITION AND ALL LOCAL CODES HAVING JURISDICTION.
- DUCT CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE SMACNA HVAC DUCT CONSTRUCTION STANDARD.
- COORDINATE DIFFUSER, GRILLE AND REGISTER LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS AND EQUIPMENT OF ALL TRADES.
- PROVIDE AIR TURNING VANES IN ALL 90 DEGREE RECTANGULAR DUCT ELBOWS.
- CONNECTION TO EQUIPMENT SHALL BE VERIFIED WITH MANUFACTURER'S CERTIFIED DRAWINGS. TRANSITIONS TO ALL EQUIPMENT SHALL BE VERIFIED AND PROVIDED FOR EQUIPMENT FURNISHED.
- DUCT SIZES AND ALL OPENINGS THROUGH BUILDING CONSTRUCTION SHALL SUIT EQUIPMENT FURNISHED.
- LOCATE THERMOSTATS, TEMPERATURE SENSORS, HUMIDISTATS, AND HUMIDITY SENSORS AT 48" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE. COORDINATE LOCATIONS WITH OTHER EQUIPMENT, FURNITURE, AND DOOR SWINGS.
- LOCATE THERMOSTATS, TEMPERATURE SENSORS, HUMIDISTATS, AND HUMIDITY SENSORS AT 48" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE. COORDINATE LOCATIONS WITH OTHER EQUIPMENT, FURNITURE, AND DOOR SWINGS. ALL DUCT SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS.
- REFER TO TYPICAL DETAILS FOR PIPING AND INSTALLATION OF EQUIPMENT.
- TRAPPED CONDENSATE DRAINS FROM ALL MECHANICAL EQUIPMENT SHALL BE PROVIDED FOR PROPER DRAINAGE TO SUIT EQUIPMENT FURNISHED.
- ALL EQUIPMENT, DUCTWORK, ETC., SHALL BE SUPPORTED AS DETAILED AND/OR SPECIFIED. PROVIDE ADDITIONAL SUPPORTS AS REQUIRED TO PROVIDE A VIBRATION-FREE, RIGID INSTALLATION.
- ALL DUCTWORK AND PIPING IS SHOWN SCHEMATICALLY. PROVIDE ALL TRANSITIONS, TURNING VANES, ELBOWS, FITTINGS, ETC., TO ALLOW SMOOTH FLOWS. ALL SPLIT DUCT FITTINGS SHALL TRANSITION TO FULL SIZE OF THE SUM OF BOTH BRANCHES, UPSTREAM OF SPLIT.
- PROVIDE CONCRETE HOUSEKEEPING PAD UNDER ALL FLOOR-MOUNTED EQUIPMENT. REFER TO SPECIFICATIONS FOR DETAILED REQUIREMENTS.
- VERIFY FINISH WITH ARCHITECT PRIOR TO PURCHASING GRILLES, REGISTERS, DIFFUSERS, LOUVERS AND OTHER AIR DISTRIBUTION DEVICES.
- PROVIDE TRANSITIONS AT DIFFUSER NECKS AS REQUIRED TO MATCH SIZES OF FLEX DUCTS TO BE CONNECTED.
- DUCT RUNOUTS TO DIFFUSERS SHALL MATCH THE SIZE OF THE DIF

HVAC ABBREVIATIONS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
AFF	-ABOVE FINISHED FLOOR	MCA	-MINIMUM CIRCUIT AMPS
AFR	-ABOVE FINISHED ROOF	MOCP	-MAXIMUM OVER CURRENT PROTECTION
AHU	-AIR HANDLING UNIT	NTS	-NOT TO SCALE
AP	-ACCESS PANEL	OA	-OUTSIDE AIR
BHP	-BRAKE HORSEPOWER	OAL	-OUTSIDE AIR LOUVER
BTU	-BRITISH THERMAL UNIT	PSI	-POUNDS PER SQUARE INCH
CFM	-CFM (CUBIC FEET PER MINUTE)	PSIG	-PSI GAUGE
CD	-CEILING DIFFUSER	PTAC	-PACKAGED TERMINAL AIR CONDITIONER
CV	-CONSTANT AIR VOLUME	PVC	-POLYVINYL CHLORIDE PIPE
CFM	-CUBIC FEET PER MINUTE	RA	-RETURN AIR
CU	-CONDENSING UNIT	RHC	-REHEAT COIL
DN	-DOWN	RPM	-REVOLUTIONS PER MINUTE
EAT	-ENTERING AIR TEMPERATURE	RS/L	-REFRIGERANT SUCTION & LIQUID LINES
ESP	-EXTERNAL STATIC PRESSURE	SA	-SUPPLY AIR
FLA	-FULL LOAD AMPS	SP	-STATIC PRESSURE
FPM	-FEET PER MINUTE	TSP	-TOTAL STATIC PRESSURE
GPM	-GALLONS PER MINUTE	UNO	-UNLESS NOTED OTHERWISE
KW	-KILOWATT	V/PH	-VOLTS/PHASE
LAT	-LEAVING AIR TEMPERATURE		
LD	-LINEAR DIFFUSER		
MBH	-THOUSAND BTUS PER HOUR		

HVAC EQUIPMENT TAGS

TAG (A 200) CFM	-AIR DISTRIBUTION DEVICE
AHU-1 AHU NUMBER	-AIR HANDLING UNIT



manny reus architect

ar. 11001

manny reus architecture - space planning

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PROPOSED RESTAURANT - SMOKE BOX

FOR

GONZALEZ CAPITAL HOLDINGS, LLC

AT

8030 NW 154TH STREET

MIAMI LAKES

FLORIDA

SHEET TITLE

MECHANICAL FLOOR PLAN

DATE

07/16/19

DRAWN BY:

M.A

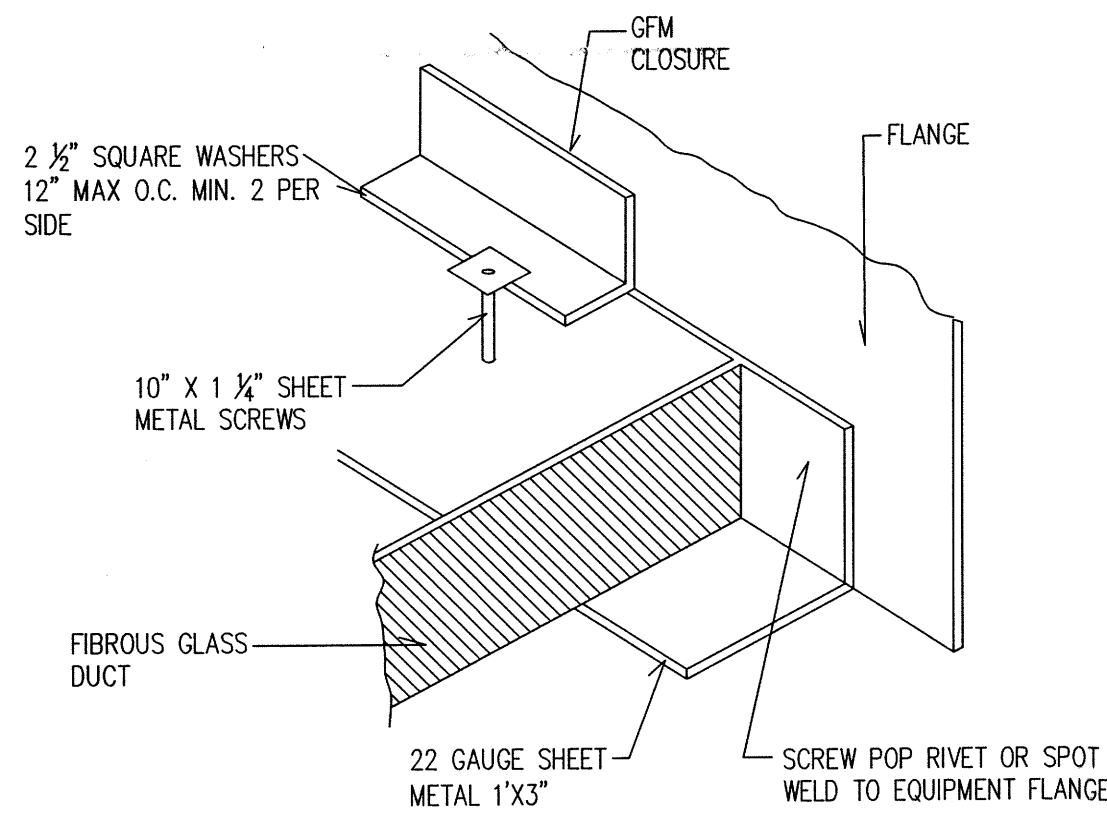
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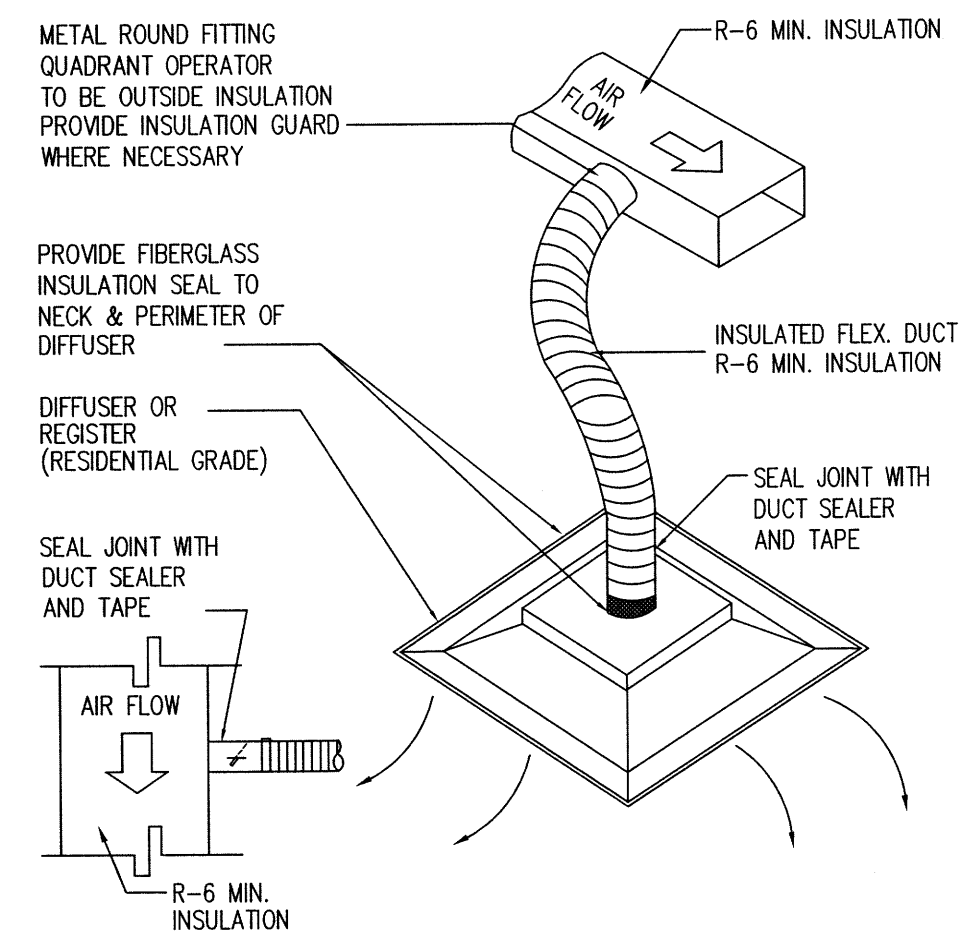
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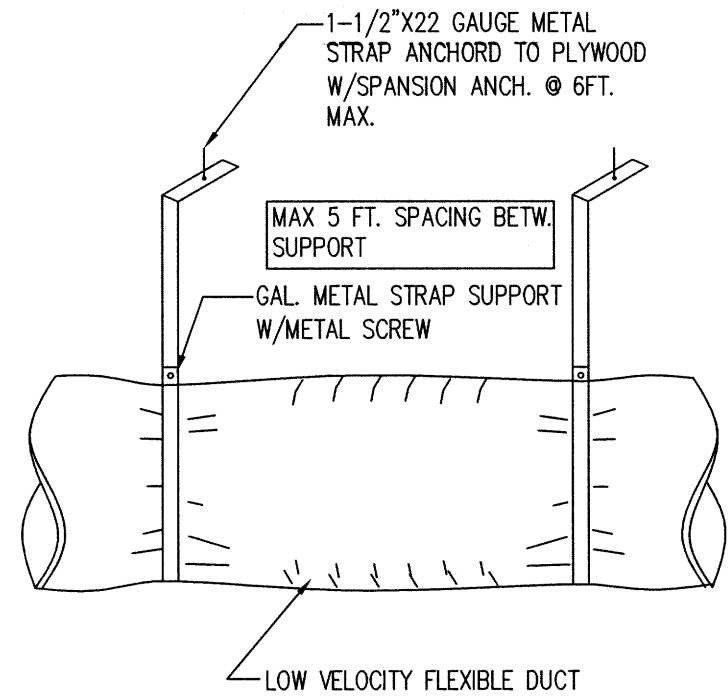
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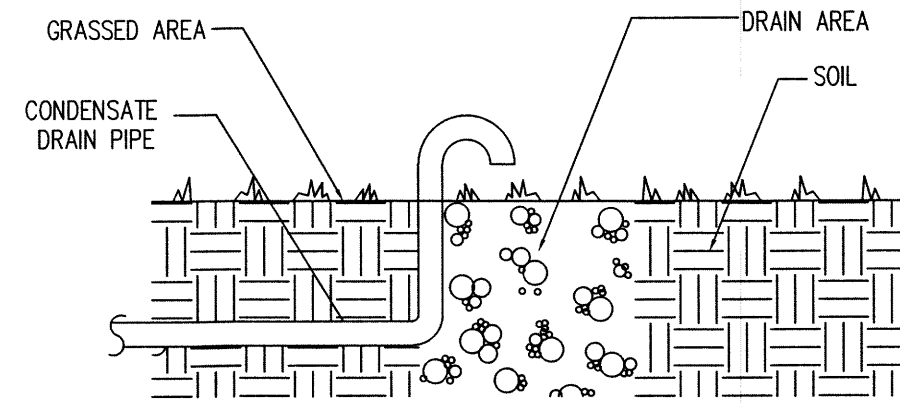
SHEET METAL & EQUIPMENT CONNECTION DETAIL
No Scale



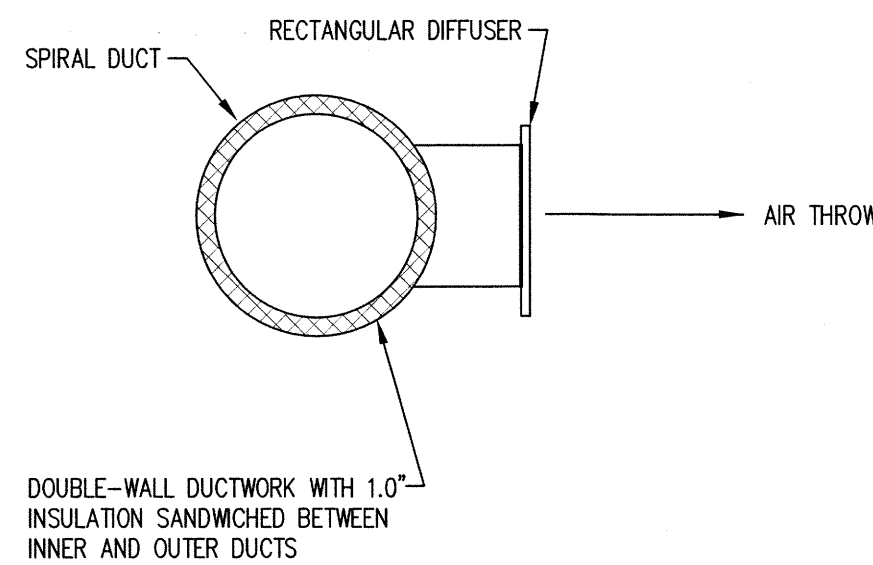
FLEXIBLE DUCT CONNECTION DETAIL
No Scale



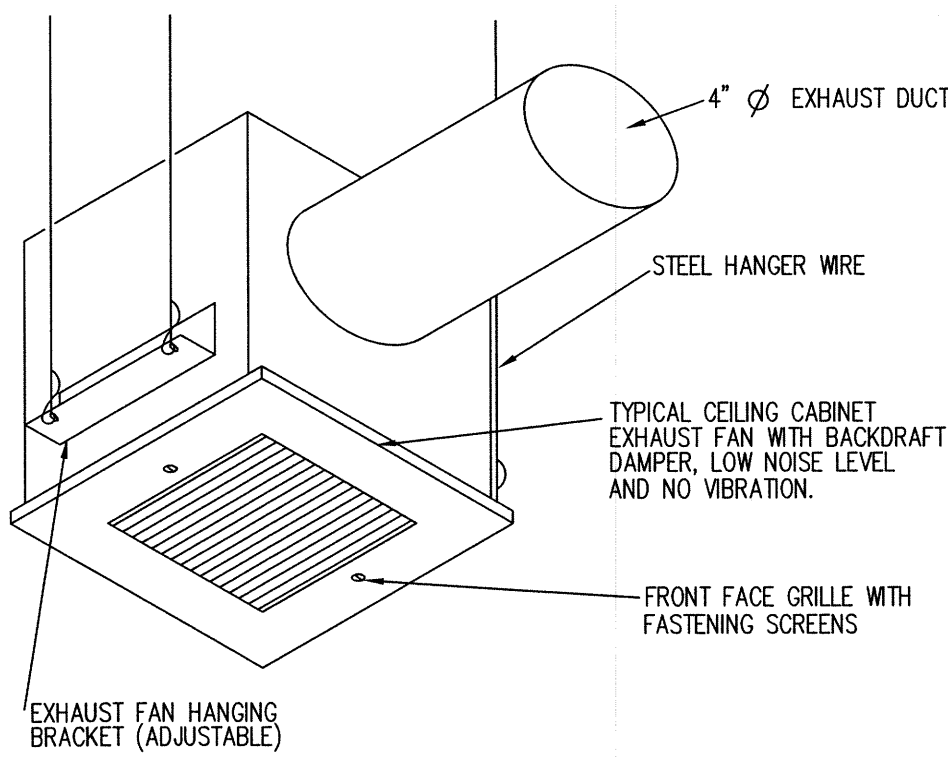
FLEXIBLE DUCT SUPPORT DETAIL
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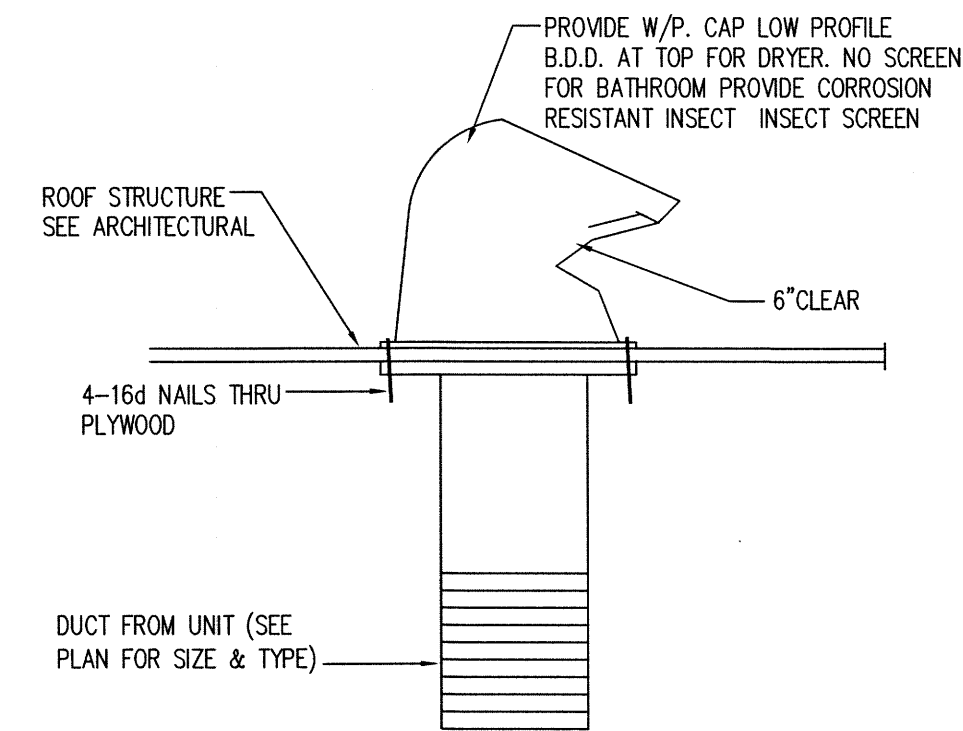
CONDENSATE DRAIN DRY WELL
No Scale



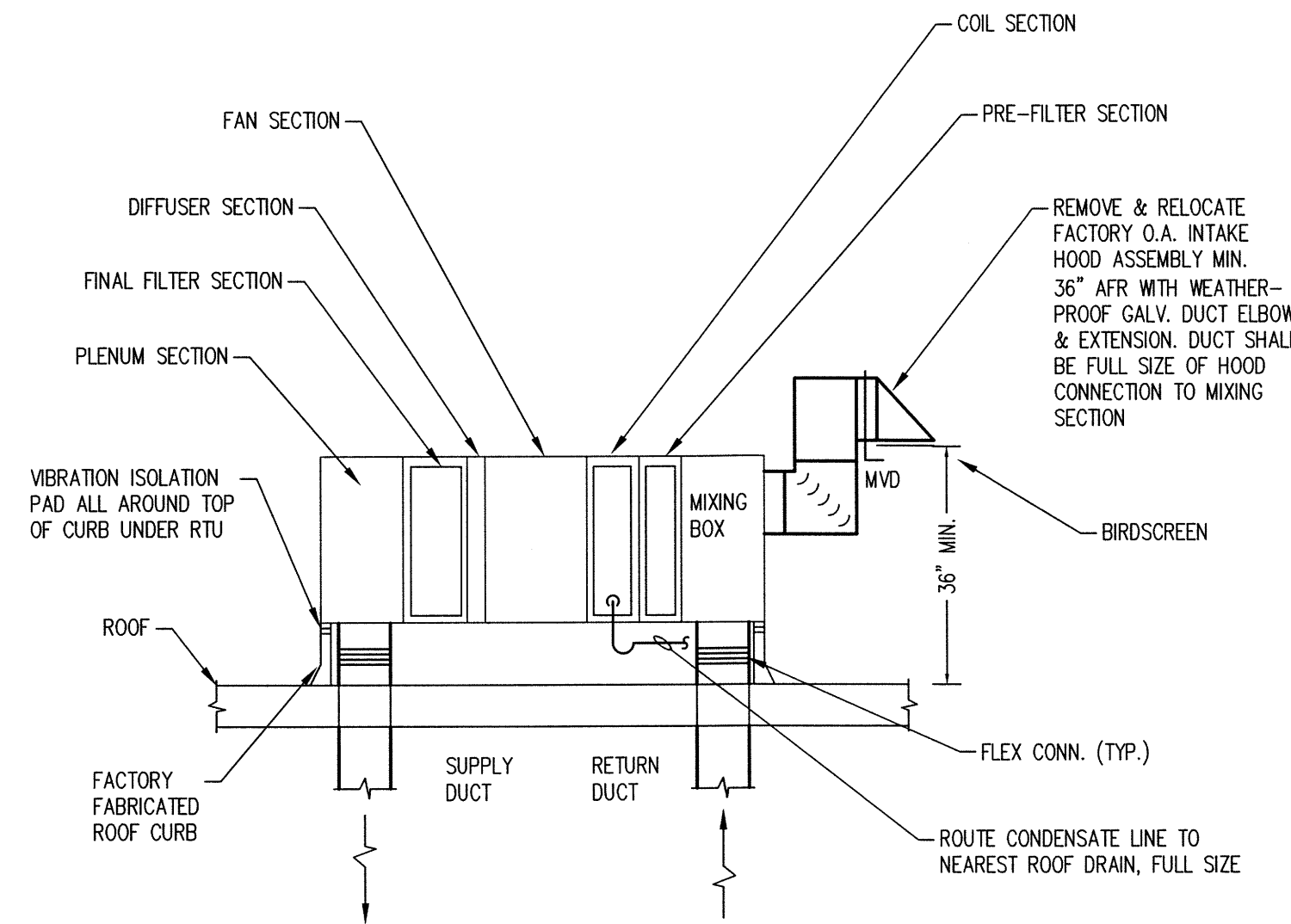
EXPOSED DUCTWORK DIFFUSER
No Scale



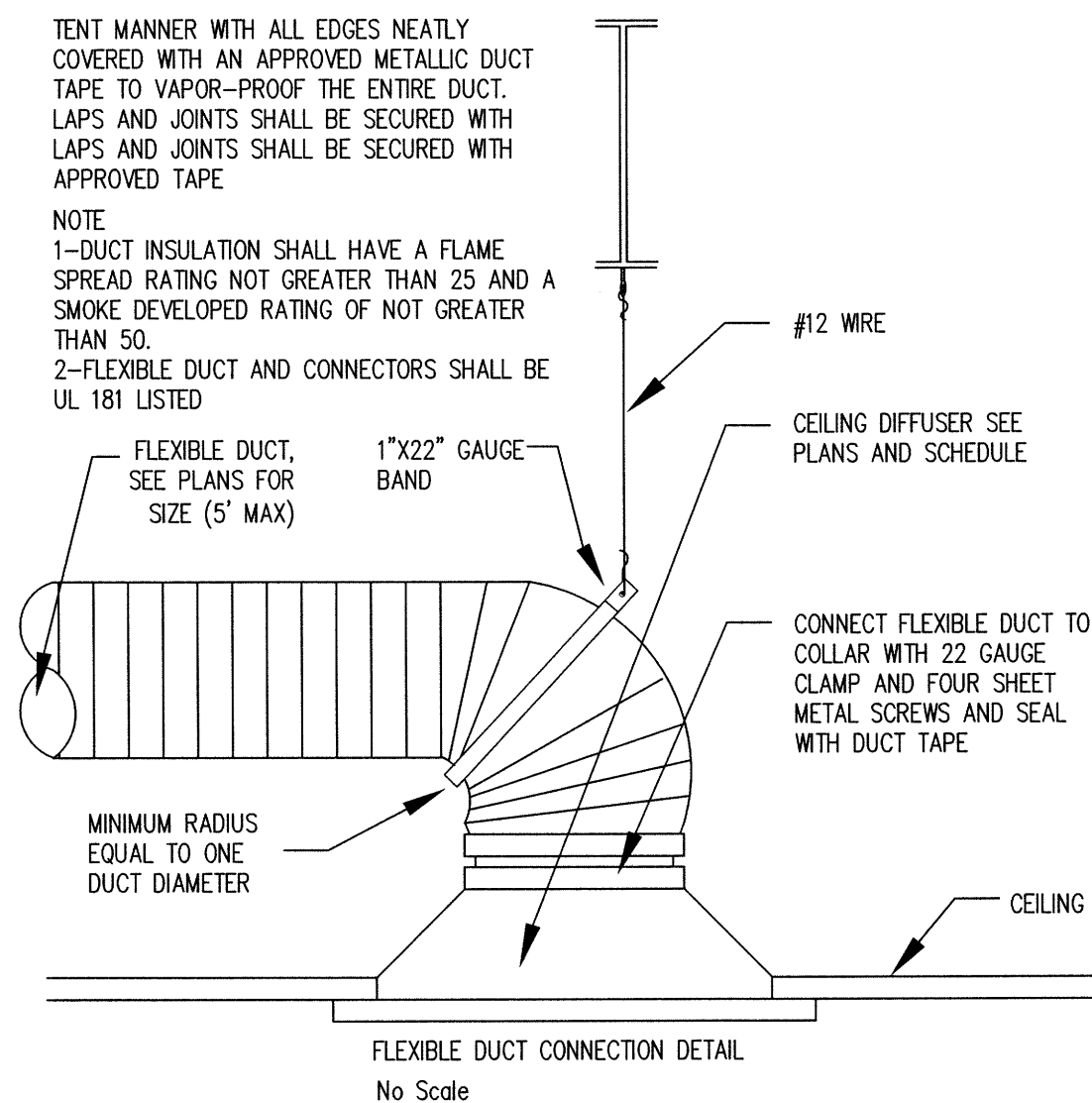
CEILING MOUNTED CABINET EXHAUST FAN
No Scale



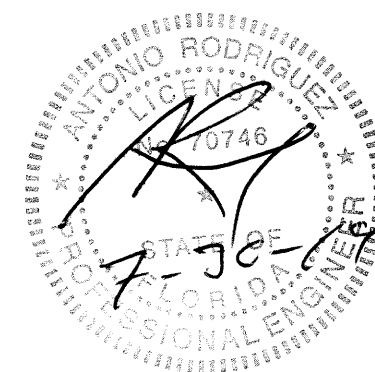
TYPICAL ROOF/WALL CAP DETAIL AT DRYER AND/OR TOILET EXHAUST
No Scale



NOTE: ALL ROOF MOUNTED EQUIPMENT MUST ADHERE TO CURRENT HURRICANE CODES REGARDING ROOF TIE-IN AND WIND RESISTANCE.



FLEXIBLE DUCT CONNECTION DETAIL
No Scale





Mrmylo@me.com

NOTE: ALL SHEETS MUST BE REVIEWED
MIAMI-DADE COUNTY DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES

Herbert S. Saffir Permitting and Inspection Center

11805 SW 26th Street (Coral Way) • Miami, Florida 33175-2474 • (786) 315-2000

**APPLICATION FOR MUNICIPAL PERMIT APPLICANTS
THAT REQUIRE PLAN REVIEW FROM MIAMI-DADE FIRE RESCUE
AND/OR ENVIRONMENTAL SERVICES**

M2019018490 3219018490 BLC2019-3246

PROVIDE MUNICIPAL PROCESS NUMBER HERE			
LOCATION OF IMPROVEMENTS	Job Address <u>8030 NW 154th</u>		CONTRACTOR INFORMATION
	Folio <u>20220370010</u>		
	Lot _____	Block _____	
	Subdivision _____	PBpg _____	
	Metes and bounds _____		
TYPE OF IMPROVEMENTS	☐ New Construction on Vacant Land		Current use of property <u>Fast casual restaurant</u>
	☒ Alteration Interior		
	☐ Alteration Exterior		Description of Work <u>interior remodel</u>
	☐ Relocation of Structure		
	☐ Enclosure		Sq. Ft. <u>974</u> Units _____ Floors _____
	☐ Repair		
	☐ Repair Due to Fire		Value of Work <u>30,000</u>
PERMIT TYPE	☐ MBLD* Category _____		
	☐ MELE _____		
	☐ MPLU _____		Owner <u>The Graham Co</u>
	☐ MLPG _____		
	☐ MMEC _____		Address <u>6843 Main Street</u>
	☐ FIRE _____		
REVIEW STATUS	☐ Chg. Contractor		City <u>Miami Lakes</u> State <u>FL</u> Zip <u>33014</u>
	☐ Re-Issue		
	☐ Re-Stamp		Phone <u>305 817-4000</u>
	☐ Revision		
	☐ Not Applicable for Fire		Last four (4) digits of Owner's Social Security No. _____
PERSON TO PICK UP PLANS	Name <u>Mylo Gonzalez</u>		
	Address _____		
	City _____ State _____ Zip _____		Owner _____
	Phone <u>786 972-7732</u>		
FIRE SPECIAL REQUEST PLAN REVIEW (SRI)	I am requesting a Special Request Plan Review (SRI) to be scheduled as soon as possible. There is a minimum charge of one-hour. Please contact the Fire Department for current rate.		
	1 st Request: _____ Date: _____		
	2 nd Request: _____ Date: _____		
	3 rd Request: _____ Date: _____		
If the applicant is a known named violator with: unpaid civil penalties; unpaid administrative costs or hearing, unpaid County fines, unpaid County and/or federal taxes, unpaid utility bills; or unpaid liens, on all of which are owed to Miami-Dade County pursuant to the provisions of the Code of Miami-Dade County, Florida, a hold on the review may be placed on this application.			

PLUMBING SPECIFICATIONS

1.00 -GENERAL PROVISIONS

- 1.1 PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT FOR A COMPLETE AND PROPERLY OPERATING PLUMBING SYSTEM.
- 1.2 CODES AND STANDARDS: ALL PLUMBING WORK SHALL BE IN STRICT COMPLIANCE WITH THE STANDARD PLUMBING CODE 2017 6TH EDITION AND ALL LOCAL CODES HAVING JURISDICTION.
- 1.3 ALL PLUMBING WORK SHALL BE DONE IN A NEAT AND WORKMANLIKE MANNER.
- 1.4 CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND FEES, ETC., REQUIRED FOR THE EXECUTION OF THIS WORK.
- 1.5 CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES BEFORE FABRICATION OR INSTALLATION. OFFSETS AND/OR TRANSITIONS REQUIRED SHALL BE PROVIDED WITHOUT ADDITIONAL COST. CONTRACTOR SHALL COORDINATE AND INSTALL HIS WORK IN A TIMELY MANNER TO PREVENT DELAYS IN THE CONSTRUCTION.
- 1.6 CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR OR REPLACE DAMAGED EQUIPMENT AND/OR MATERIAL.
- 1.7 PROVIDE ALL MATERIALS REQUIRED TO PROPERLY SUPPORT ALL PIPING AND EQUIPMENT. PIPE HANGERS SHALL BE ADJUSTABLE TYPE AND BE SPACED IN ACCORDANCE WITH THE STANDARD PLUMBING CODE. PROVIDED PLASTIC COATED RING ON HANGERS FOR COPPER PIPING TO PROVIDE DIELECTRIC ISOLATION.
- 1.8 PROVIDE DIELECTRIC UNIONS OR FLANGES BETWEEN COPPER AND STEEL PIPING AND BETWEEN BRASSWARE AND STEEL. DO NOT USE STEEL AND COPPER PIPING IN THE SAME SYSTEM WITHOUT SUCH ISOLATION.
- 1.9 PROVIDE REDUCING FITTINGS (REDUCING BUSHINGS SHALL NOT BE USED) WHERE CHANGES IN PIPE SIZES OCCUR.
- 1.10 THIS CONTRACTOR SHALL SUPPLY AND INSTALL ALL SERVICES THROUGHOUT THE BUILDING AND MAKE CONNECTION TO SITE UTILITIES APPROXIMATELY 5'-0" OUTSIDE THE BUILDING. CONTRACTOR SHALL SUPPLY AND INSTALL FIXTURES, FITTINGS, VALVING AND TRIM AND MAKE READY FOR USE ALL FIXTURES, EQUIPMENT, ETC.
- 1.11 SEE ARCHITECTURAL DRAWINGS FOR FIXTURE LOCATIONS AND MOUNTING HEIGHTS.

2.00 -BASIC MATERIALS AND METHODS

- 2.1 ABOVEGROUND WATER PIPE AND FITTINGS - TYPE 2" COPPER.
- 2.2 PROVIDE UNIONS OR FLANGES IN ALL DOMESTIC WATER SERVICE LINES AT EACH PIECE OF EQUIPMENT, SPECIALTY VALVES OR AT OTHER LOCATIONS REQUIRED FOR READY DISCONNECT.
- 2.3 WATER HAMMER ARRESTORS SHALL BE INSTALLED AT THE LOCATIONS ON THE PLANS AND IN ACCORDANCE WITH PDI STANDARD WH-201. PRODUCTS SHALL BE EQUAL TO THOSE MANUFACTURED BY PRECISION PLUMBING PRODUCTS OR SIOUX CHIEF.
- 2.4 VALVES: PROVIDE VALVES TO ISOLATE EACH RISER, BRANCH LINE AND PIECE OF EQUIPMENT.
- 2.5 PROVIDE PRESSURE REDUCING VALVE AND AIR GAP CONNECTION AT DISHWASHER AS REQUIRED BY CODE AND ACCORDING TO MANUFACTURER.
- 2.6 PROVIDE INLINE WATER FILTER AT COFFEE MAKER AND ICE MAKER TO REMOVE MATERIALS, TASTE AND ODOR - "EVERPURE OR "SYSTEMS IV".
- 2.7 ABOVEGROUND SANITARY, WASTE, SANITARY VENT AND STORM PIPING - PVC (DWV) SOLID WALL SHALL BE PERMITTED TO BE USED. PVC (DWV) SHALL NOT BE USED IN RETURN AIR PLENUMS.
- 2.8 BELOWGROUND SANITARY, WASTE AND VENT - PVC (DWV) SOLID WALL SHALL BE PERMITTED TO BE USED. PVC SHALL NOT BE USED FOR DRAINAGE IN HIGH TEMPERATURE DISCHARGE AREAS SUCH AS KITCHENS AND BOILER ROOMS.
- 2.9 INSTALL GRAVITY LINES SLOPED AT 1/8" PER FOOT FOR PIPE 3" AND LARGER AND 1/4" PER FOOT FOR PIPE SMALLER THAN 3". VERIFY INVERT ELEVATION WITH SITE PIPING DISCHARGE TO ANY PIPE BEING INSTALLED.

3.00 -PLUMBING FIXTURES AND TRIM

- 3.1 ALL PLUMBING FIXTURES SHALL BE "FIRST QUALITY" AS DEFINED AND SET FORTH IN COMMERCIAL STANDARD C577-28 AS PROMULGATED BY THE U.S. DEPARTMENT OF COMMERCE.
- 3.2 ALL FIXTURES ARE TO BE WHITE, VITREOUS CHINA UNLESS OTHERWISE SPECIFICALLY NOTED.
- 3.3 FIXTURES AND FITTINGS PROPOSED SHALL BE FROM ONE MANUFACTURER AND OF SIMILAR CHARACTER IN ANY ROOM OR LOCATION. ESCUTCHEONS, HANDLES, ETC., ON THE DIFFERENT FIXTURES SHALL BE OF THE SAME DESIGN.
- 3.4 PROVIDE FIXTURE CARRIERS AS RECOMMENDED BY FIXTURE MANUFACTURER AND/OR CONSTRUCTION METHOD.
- 3.5 PROVIDE ACCESS PANELS TO ALL VALVES WITHIN CHASES OR ABOVE NON-ACCESSIBLE CEILINGS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
- 3.6 FLOOR DRAIN TRAP SEALS SHALL HAVE AN APPROVED AUTOMATIC PRIMING DEVICE DESIGNED FOR THAT PURPOSE.
- 3.7 ALL CONCEALED TRAPS, PRIMERS, VALVES, CLEANOUTS, ETC. LOCATED IN TILED AREAS SHALL BE PROVIDED WITH AN ACCESS PANEL.

4.00 -INSULATION

- 4.1 ABOVE GROUND HOT WATER - FIBERGLASS, 1" THICKNESS, ASJ JACKET, DOUBLE SEALING LAP JOINT, 0.24 K AT 75F. INSULATION AND ADHESIVES INSTALLED IN RETURN AIR PLENUMS SHALL HAVE A MAXIMUM FLAME SPREAD RATING OF 25 AND A MAXIMUM SMOKE DEVELOPED RATING OF 50.
- 4.2 ABOVEGROUND CONDENSATE PIPING SHALL BE 1/2" FLEXIBLE UNICELLULARPOLYOLEFIN FOAM AND SHALL HAVE A MAXIMUM FLAME SPREAD RATING OF 25 AND A MAXIMUM SMOKE DEVELOPED RATING OF 50 - IMCOA "IMCOLOCK"

5.00 -VALVES AND COCKS

- 5.1 VALVES 2" AND SMALLER SHALL BE BALL VALVES, 150 PSI SWP, 400 PSI WOG, STANDARD PORT BALL, BRONZE TRIM, CAST BRONZE BODY, CHROMIUM-PLATED BRASS BALL, BRONZE NON-BLOWOUT STEM, TEFLON SEAT, DOUBLE O-RING STEM SEALS, ZINC-COATED STEEL HANDLE WITH PLASTIC COATED HAND GRIP, 90 DEGREE OPERATION FROM FULL OPEN TO TIGHT SHUT-OFF - STOCKHAM S214-BR-1-T, STOCKHAM S216-BR-1-S OR EQUAL. 5.2 CHECK VALVES, ROUGH BRASS, REGRINDING BRONZE DISC - STOCKHAM B-345, B-309 OR EQUAL.

6.00 - STERILIZATION

- 6.1 DOMESTIC WATER PIPING SHALL BE THOROUGHLY FLUSHED OUT AND STERILIZED IN ACCORDANCE WITH THE STANDARD PLUMBING CODE.

PLUMBING GENERAL NOTES

1. READ THE SPECIFICATIONS.
2. UTILITIES AND SERVICES INDICATED ARE TAKEN FROM VARIOUS OLD AND NEW SURVEYS, AS-BUILT RECORDS AND FIELD INVESTIGATIONS. UNFORSEEN CONDITIONS PROBABLY EXIST AND NEW WORK MAY NOT BE FIELD LOCATED EXACTLY AS SHOWN ON DRAWINGS. COOPERATION WITH OTHER TRADES IN ROUTING AND BURIAL DEPTHS, AS DETERMINED DURING CONSTRUCTION WILL BE NECESSARY.
3. FIELD VERIFY EXISTING INSTALLATIONS, MODIFY EXISTING PLUMBING SYSTEMS, WHICH ARE TO REMAIN ACTIVE, TO FACILITATE RECONNECTION AND EXTENSION OF THE NEW WORK.
4. NOTIFY OWNER AT LEAST 24 HOURS PRIOR TO INTERRUPTING EXISTING SERVICE. SCHEDULE DISCONNECTION AND TIE-INS TO MINIMIZE DISRUPTION OF SERVICES. SERVICES ARE NOT TO BE LEFT DISRUPTED DURING NON-NORMAL CONTRACTOR WORKING HOURS.
5. PIPE ROUTING SHOWN IS SCHEMATIC AND IS NOT INTENDED TO INDICATE EXACT ROUTING AND ANY ADDITIONAL OFFSETS AND FITTINGS REQUIRED FOR PROPER INSTALLATION AND TO MAINTAIN CLEARANCES. VERIFY STRUCTURAL, MECHANICAL AND ELECTRICAL INSTALLATIONS AND OTHER POTENTIAL OBSTRUCTIONS AND ROUTE PIPING TO AVOID INTERFERENCES.
6. PROVIDE ALL OFFSETS AND FITTINGS AND MAKE CONNECTION TO SITE UTILITIES.
7. CONCEAL PIPING ABOVE CEILINGS, WITHIN WALLS OR CHASES EXCEPT IN MECHANICAL ROOMS OR AS SPECIFICALLY NOTED. PROVIDE ACCESS PANELS FOR ALL VALVES CONCEALED IN WALLS OR ABOVE NON-ACCESSABLE CEILINGS.
8. SLEEVE AND FIRE STOP PENETRATIONS OF RATED WALLS, FLOORS, CEILINGS AND ROOFS. FLASH AND COUNTERFLASH ROOF PENETRATIONS.
9. WHEN BEAM SLEEVE PENETRATIONS ARE NECESSARY, COORDINATE PENETRATIONS WITH ALL TRADES, THE ARCHITECT AND THE STRUCTURAL ENGINEER.
10. SEE ARCHITECTURAL DRAWINGS FOR FIXTURE LOCATIONS AND MOUNTING HEIGHTS.
11. PROVIDE, WHEN REQUIRED BY CODE, AN AIR GAP SERVING INDIVIDUAL FIXTURES, DEVICES, APPLIANCES AND APPARATUS.
12. ALL EXPOSED PIPE AND FITTINGS IN FINISHED AREAS SHALL BE CHROME PLATED.
13. PROVIDE ALL OFFSETS AND FITTINGS AND MAKE CONNECTION TO SITE UTILITIES.
14. COORDINATE PIPING WITH ALL ELECTRICAL EQUIPMENT (PANELS, TRANSFORMERS, ETC.) PRIOR TO ANY INSTALLATION. DO NOT ROUTE ANY PIPING OVER ANY ELECTRICAL PANELS UNDER ANY CIRCUMSTANCES. ANY PIPING RUN OVER PANELS SHALL BE REROUTED AT NO ADDITIONAL COST.

PLUMBING SPECIFIC NOTES

1. PROVIDE ANTI-SCALD VALVE TO SHOWER, BATHTUB, PER FBC 2017 6TH EDITION PLUMBING 424.3.
2. BATHROOM WALL AND FLOOR SHALL HAVE A SMOOTH, HARD, NON-ADSORBENT SURFACE PER SECTION 1210.1 OF F.B.C. 2017 6TH EDITION
3. ALL STEEL STUDS SUPPORTING ALL WALL HUNG PLUMBING FIXTURES SHALL BE DOUBLE OR NO LESS THAN 20 GAUGE PER SECTION 2517.5.1.1 OF F.B.C. 2017 6TH EDITION
4. PROVIDE WATER HAMMER ARRESTORS IN ALL QUICK CLOSING VALVES.
5. PROVIDE FIXTURE COMPLIANCE WITH REFERENCE STANDARDS PER FBC PLUMBING SECTION 406 TO 421
6. ALL PLUMBING FIXTURES SHALL COMPLY WITH MIAMI DADE COUNTY ORDINANCE #08-14 FOR PLUMBING FIXTURES MAXIMUM FLOW RATE AND CONSUMPTION.
7. DOMESTIC WATER SHALL USE COPPER PIPE TYPE L. SANITARY AND WASTE SHALL USE DWV PVC.

FBC PLUMBING 607.5:

HOT WATER PIPING IN AUTOMATIC TEMPERATURE MAINTENANCE SYSTEMS SHALL BE INSULATED WITH 1" (25mm) OF INSULATION HAVING A CONDUCTIVITY NOT EXCEEDING 0.27 Btu per inch/hXhT°F(1.53wper25mm/m²xK) THE FIRST 8 FEET (2438mm) OF HOT WATER PIPING FROM A HOT WATER SOURCE THAT DOES NOT HAVE HEAT TRAPS SHALL BE INSULATED WITH 0.5"(12.7mm) OF MATERIAL HAVING A CONDUCTIVITY NOT EXCEEDING 0.27 Btu per inch/hXhT°F(1.53wper25mm/m²xK)

SLOPE OF HORIZONTAL DRAINAGE PIPE:

PIPE SIZES OF 2½" OR LESS SHALL BE RUN AT A SLOPE OF 1/4" PER FOOT

PIPE SIZES OF 3" TO 6" SHALL BE RUN AT A SLOPE OF 1/8" PER FOOT

PIPE SIZES OF 8 OR LARGER SHALL BE RUN AT A SLOPE OF 1/16" PER FOOT

MIAMI DADE PLUMBING FIXTURE MAXIMUM FLOW RATE

LAVATORY, PRIVATE: 1.5 GPM AT 80 PSI

SHOWER HEAD: 1.5 GPM AT 80 PSI

SINK FAUCET: 1.5 GPM AT 60 PSI

WATER CLOSET: 1.28 GALLONS PER FLUSHING CYCLE

DISHWASHER (RESIDENTIAL): 6.0 GALLONS PER CYCLE OR LESS (ENERGY STAR/WATER SENSE CERTIFIED)

WASHING MACHINE: 8.0 GALLONS PER CYCLE OR LESS (ENERGY STAR/WATER SENSE CERTIFIED)

NOTES: A HAND-HELD SHOWER SPRAY IS A SHOWER HEAD.

CONSUMPTION TOLERANCES SHALL BE DETERMINED FROM REFERENCED STANDARDS.

WATER FACTOR IN GALLONS PER CYCLE PER CUBIC FOOT

FOR SI: 1 GALLON = 3.785 L, 1 GALLON PER MINUTE = 3.785 L/M

1 POUND PER SQUARE INCH = 6.895 KPA.

SLOPE OF HORIZONTAL DRAINAGE PIPE:

PIPE SIZES OF 2½" OR LESS SHALL BE RUN AT A SLOPE OF 1/4" PER FOOT

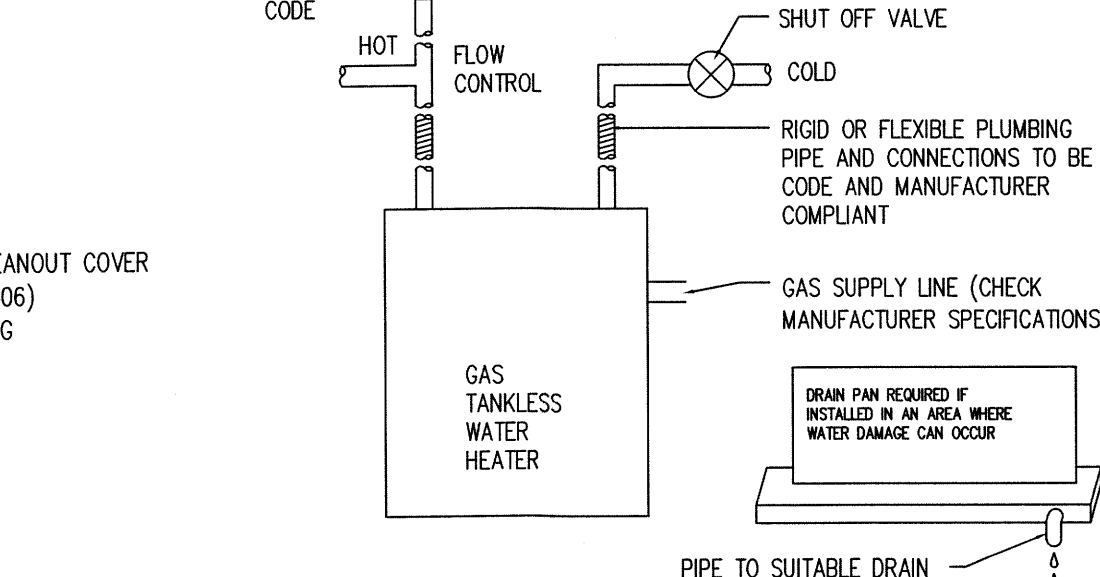
PIPE SIZES OF 3" TO 6" SHALL BE RUN AT A SLOPE OF 1/8" PER FOOT

PIPE SIZES OF 8 OR LARGER SHALL BE RUN AT A SLOPE OF 1/16" PER FOOT

GAS INSTANT WATER HEATER SCHEDULES

MARK	IWH
MANUFACTURER	RHEEM PRESTIGE
MODEL NUMBER	RTGH-95XLN-1
Btu/hr Input	200,000
LOCATION	EXTERIOR
DIMENSIONS	27.5"X18.5"X9.75"
TEMPERATURE RANGE	85 TO 140 F
MIN. FLOW/ACTIVATION GPM	0.26/0.40
MAX GPM	9.5
GPM@67° F RISE MAX	5.6
GPM@45° F RISE MAX	8.5
WATER CONNECTION	3/4"
GAS CONNECTION	3/4"
ENERGY FACTOR	0.95
SHIPPING WEIGHT	82

TEMPERATURE AND PRESSURE RELIEF VALVE (T&P VALVE) -MAY BE REQUIRED BY LOCAL CODE



NOTES:

-PROTECT WATER HEATER FROM EXPOSURE TO DAMP, HUMID AND FREEZING CONDITIONS

-WATER HEATER MUST BE INSTALLED TO CONFORM WITH CURRENT NATIONAL ELECTRIC CODE, AND ANY APPLICABLE LOCAL PLUMBING, ELECTRICAL, HEATING AND AIR CONDITIONING CODES.

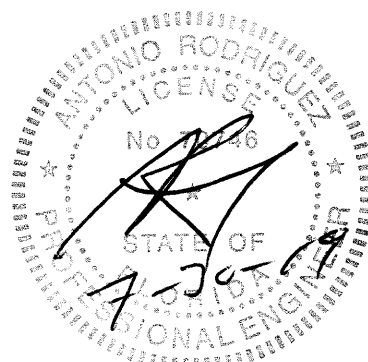
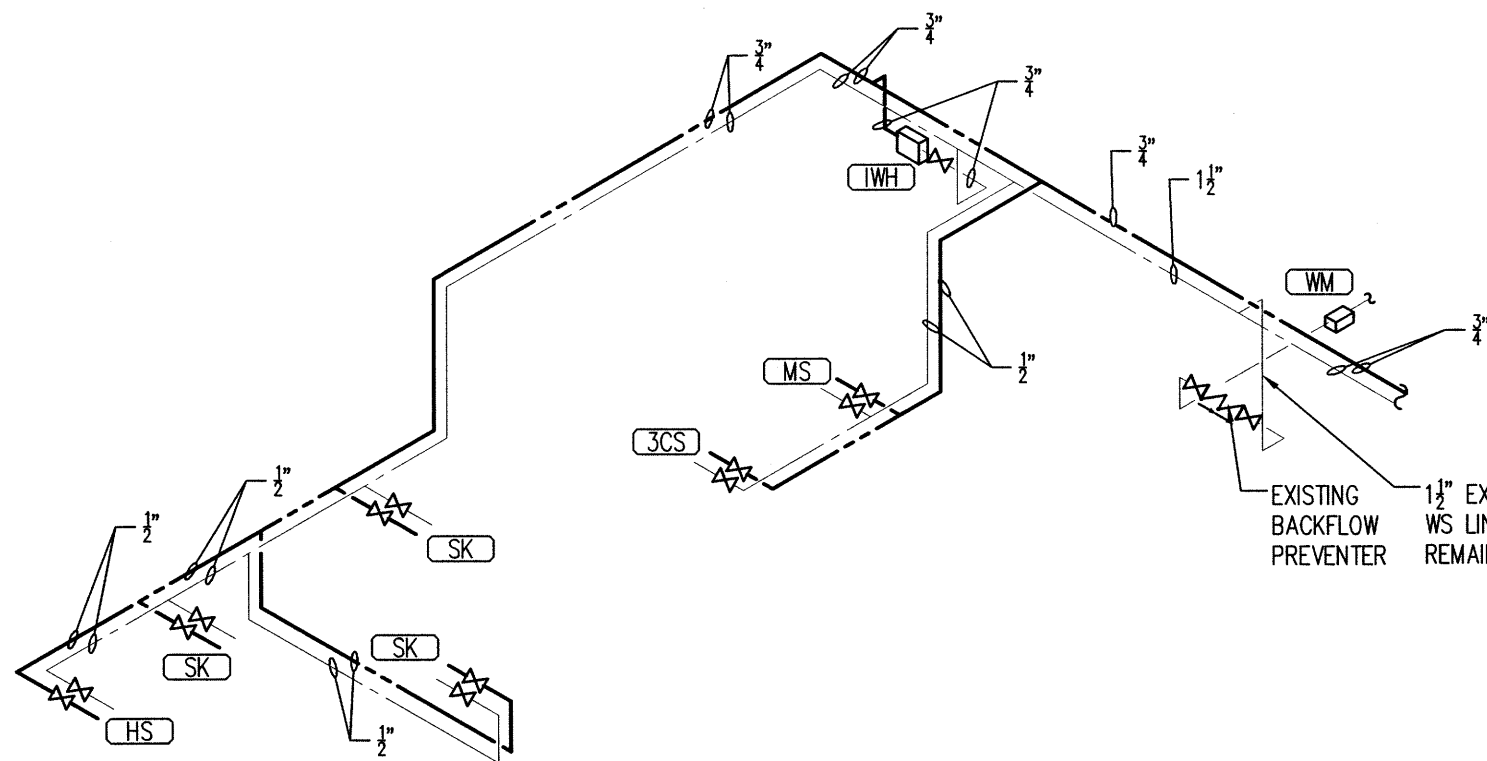
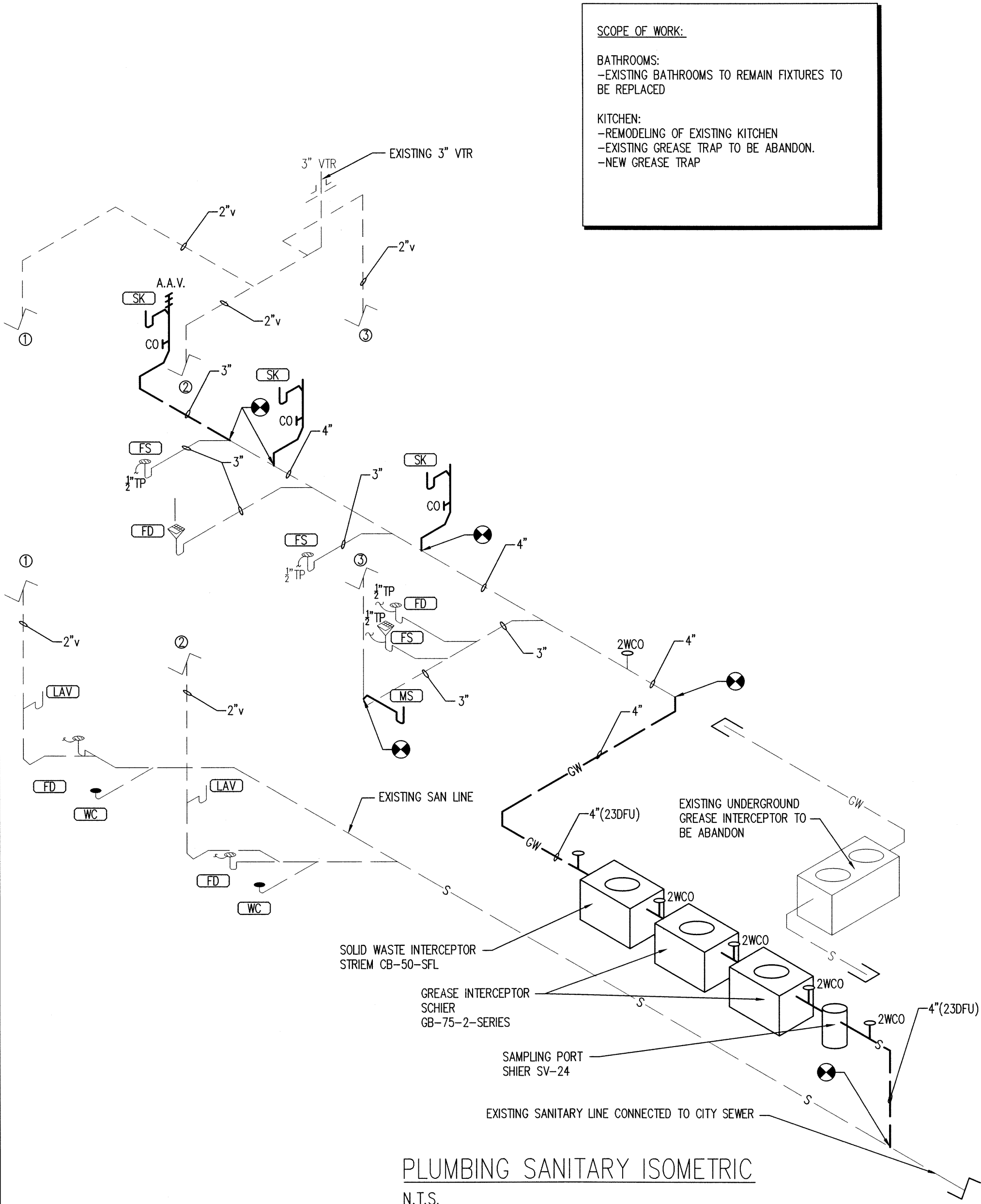
-FOLLOW MANUFACTURER INSTALLATION INSTRUCTIONS

INSTANT WATER HEATER

NOTE: SOME SYMBOLS SHOWN ON THIS LEGEND MAY NOT PERTAIN TO THIS PROJECT.

- ABOVE GROUND CONDENSATE DRAIN
- BELOW GROUND CONDENSATE DRAIN
- DOMESTIC COLD WATER
- DOMESTIC HOT WATER
- DOMESTIC HOT WATER RECIRCULATING
- ABOVE GROUND SANITARY
- BELOW GROUND SANITARY
- SANITARY VENT
- ABOVE GROUND STORM
- BELOW GROUND STORM
- OVERFLOW STORM DRAIN
- BELOW GROUND OVERFLOW STORM
- EXISTING LINE TO BE CAPPED
- HOSE BIBB OR WALL HYDRANT
- CLEAN OUT PLUG
- FLOOR CLEAN OUT
- FLOOR DRAIN
- ROOF DRAIN
- FLOOR SINK
- CONNECT TO EXISTING
- DEMOLISH TO POINT INDICATED
- GATE VALVE
- BALL VALVE
- CHECK VALVE(SWING)
- BACKFLOW PREVENTOR
- RELIEF OR SAFETY VALVE
- DIRECTION OF FLOW
- ELBOW, TURNED DOWN
- ELBOW, TURNED UP
- PRESSURE REDUCING VALVE
- SHUT-OFF VALVE TO VERTICAL
- EXISTING UNDERGROUND SANITARY LINE
- ABOVE GROUND SANITARY
- EXISTING COLD WATER LINE
- EXISTING HOT WATER LINE
- EXISTING VENT LINE
- SHEET NOTE CALLOUT
- SHEET NOTE CALLOUT
- EXISTING LINE TO BE DEMOLISHED

- CO - CONDENSATE DRAIN
- CO - CLEANOUT
- CONT - CONTINUATION
- CW - DOMESTIC COLD WATER
- DN - DOWN
- EXIST - EXISTING
- HW - DOMESTIC HOT WATER
- IE - INVERT ELEVATION
- RPBP - REDUCED PRESSURE BACKFLOW PREVENTER
- SAN - SANITARY
- SF - SQUARE FEET
- ST - STORM
- STO - OVERFLOW STORM DRAIN
- VTR - VENT THRU ROOF
- IM - ICE MAKER
- SH - SHOWER
- BT - BATHTUB
- LAV - LAVATORY
- WC - WATER CLOSET
- KS - KITCHEN SINK
- IWH - INSTANTANEOUS WATER HEATER
- WMB - WASH MACHINE BOX
- EWI - ELECTRIC WATER HEATER TANK TYPE
- AAV - AIR ADMITTANCE VALVE



PROPOSED RESTAURANT - SMOKE BOX

FOR
GONZALEZ CAPITAL HOLDINGS, LLC
AT
8030 NW 154TH STREET
MIAMI LAKES
FLORIDA

DATE
07/15/19

PLUMBING DETAILS
SCHEDULES AND
NOTES

DRWN BY
M.A

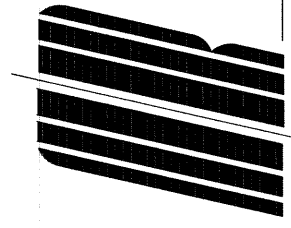
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JOB NUMBER
A2019-09

SHEET NO.

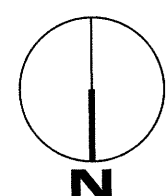
manny reus

architecture -space planning
18501 pines blvd - suite # 342
pembroke pines, florida. 33029
(p) 786-302.0581 (e) reusmanny@gmail.com



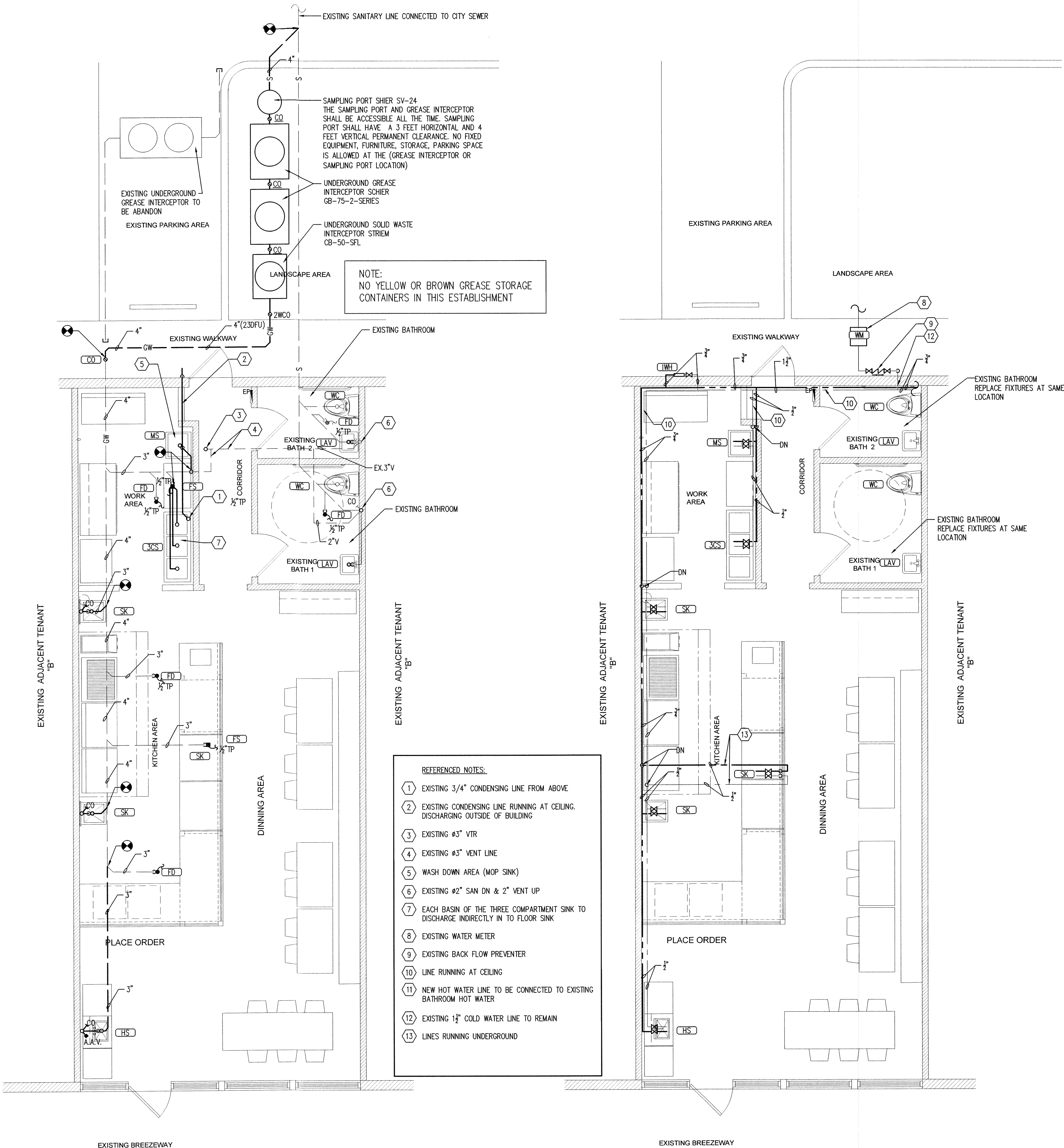
PROPOSED PLUMBING SANITARY FLOOR PLAN

Scale 1/4"=1'-0"



PROPOSED PLUMBING WATER SUPPLY FLOOR PLAN

Scale 1/4"=1'-0"



- REFERENCED NOTES:
- EXISTING 3/4" CONDENSING LINE FROM ABOVE
 - EXISTING CONDENSING LINE RUNNING AT CEILING DISCHARGING OUTSIDE OF BUILDING
 - EXISTING #3" VTR
 - EXISTING #3" VENT LINE
 - WASH DOWN AREA (MOP SINK)
 - EXISTING #2" SAN DN & 2" VENT UP
 - EACH BASIN OF THE THREE COMPARTMENT SINK TO DISCHARGE INDIRECTLY IN TO FLOOR SINK
 - EXISTING WATER METER
 - EXISTING BACK FLOW PREVENTER
 - LINE RUNNING AT CEILING
 - NEW HOT WATER LINE TO BE CONNECTED TO EXISTING BATHROOM HOT WATER
 - EXISTING 1/2" COLD WATER LINE TO REMAIN
 - LINE RUNNING UNDERGROUND

PLUMBING SCOPE OF WORK:

ALL NEW PLUMBING WORK FOR NEW RESTAURANT.

GREASE INTERCEPTOR CALCULATION

TYPE	FLOW RATE (1MIN.)	FLOW RATE (2MIN.)
HAND SINK 14"x10"x5"=700/231=3.03 GLX1UD	3.03 G.P.M.	1.51 G.P.M.
FLOOR DRAIN 2 G.P.M.X3UD	6 G.P.M.	3 G.P.M.
FLOOR SINK 2 G.P.M.	2 G.P.M.	1 G.P.M.
ICE MACHINE 1 G.P.M.	1 G.P.M.	0.50 G.P.M.
BEVERAGE DISP. 1 G.P.M.	1 G.P.M.	0.50 G.P.M.
3 COMP. SINK 18"x18"x12"=3,888X3=11,664 11,664/231=50.5X0.75=37.87GL	37.87 G.P.M.	18.93 G.P.M.
SINK 14"x10"x5"=700/231=3.03 GLX2UD	6.06 G.P.M.	3.03 G.P.M.
MOP SINK 16"x20"x6"=1,920/231=8.31GL	8.31 G.P.M.	4.15 G.P.M.
TOTAL	65.27 G.P.M.	32.64 G.P.M.

GREASE INTERCEPTOR GREASE RETENTION CALCULATION

NUMBER OF SEATS AND OPERATION HOURS:
FAST FOOD RESTAURANT WITH 22 SEATS.
OPEN HOURS: 11PM TO 11AM OPEN MONDAY TO MONDAY

CUSTOMERS OR MEALS PER DAY GREASE (LBS) PER MEAL X POF = GREASE OUTPUT PER FREQUENCY

MEALS PER DAY = 400 MEALS PER DAY

GREASE (LBS) PER MEAL : 0.025 lbs/meal
THIS VALUE WAS SELECTED FROM SCHIER PRODUCTS COMPANY FOR A 30 DAYS GREASE OUTPUT. BASED ON A LOW GREASE OUTPUT ESTABLISHMENT WITH OUT FLATWARE

400 MEALS PER DAY X 0.025 LBS/MEAL=10 LBS/DAY

POF (PUMP OUT FREQUENTLY) : 30 DAYS
30 DAYS X 10 LBS/DAY=300 LBS/30 DAYS

POF (PUMP OUT FREQUENTLY) : 60 DAYS
60 DAYS X 10 LBS/DAY=600 LBS/60 DAYS

POF (PUMP OUT FREQUENTLY) : 90 DAYS
90 DAYS X 10 LBS/DAY=900 LBS/90 DAYS

CONCLUSION:

SELECT (2) GREASE INTERCEPTOR MODEL: GB-75-2-SERIES FROM SCHIER PRODUCTS COMPANY THAT SATISFY A TOTAL GREASE RETENTION CAPACITY OF 600 LBS OF GREASE BASED ON A POF OF 60 DAYS

GB-75-2-SERIES FROM SCHIER PRODUCTS COMPANY
MODEL: GB-75-2-SERIES 99%
FLOW RATE: 75 GPM
GREASE CAPACITY: 861 LBS
INSTALLATION: OUTDOOR

BUILT IN FLOW CONTROL
INTERNAL AIR RELIEF. NO VENT NEEDED

ASSIGNED FIXTURE DRAINAGE DFU'S

BATHS:

- LAV (LAV) 1 D6X2U=2DFU
- WATER CLOSET (WC) 4 D6X2U=8DFU
- FLOOR DRAIN (FD) 2 D6X2U=4DFU
- TOTAL 14DFU

KITCHEN:

- HAND SINK (HS) 2 D6X1U=2DFU
- FLOOR DRAIN (FD) 2 D6X3U=6DFU
- MOP SINK (MS) 3 D6X1U=3DFU
- 3 COMP SINK (3CS) 6 D6X1U=6DFU
- SINK (SK) 2 D6X2U=4DFU
- FLOOR SINK (FS) 2 D6X1U=2DFU
- TOTAL 23DFU

TOTAL RESTAURANT DFU 37DFU

NOTES:

- THE SAMPLING PORT AND GREASE INTERCEPTOR SHALL BE ACCESSIBLE AT ALL TIMES WITHOUT HAVING TO REMOVE ANY MERCHANDISE AND WITHOUT STANDING WATER ON GROUND SURFACE; MINIMUM OF 3 FEET HORIZONTAL CLEARANCE FROM ANY WALL, FIXED EQUIPMENT OR STORED MATERIAL AND 4 FEET VERTICAL CLEARANCE FROM ANY FIXED EQUIPMENT OR STORED MATERIAL SHALL BE PROVIDED.
- A WATER CLOSET, URINAL, LAVATORY OR BIDET SHALL NOT BE SET CLOSER THAN 15" FROM ITS CENTER TO ANY SIDE WALL, PARTITION, VANITY OR OTHER OBSTRUCTION, OR CLOSER THAN 30" CENTER TO CENTER BETWEEN ADJACENT FIXTURES. THERE SHALL BE AT LEAST A 21" CLEARANCE IN FRONT OF THE WATER CLOSET, URINAL, LAVATORY OR BIDET TO ANY WALL, FIXTURE OR DOOR. WATER CLOSET COMPARTMENTS SHALL NOT BE LESS THAN 30" WIDE AND 60" DEEP. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS.
- BATHROOM WALL AND FLOOR SHALL HAVE A SMOOTH, HARD, NON-ADSORBENT SURFACE PER SECTION 1210.1 OF F.B.C. 2017 6th ed.
- ALL STEEL STUDS SUPPORTING ALL WALL HUNG PLUMBING FIXTURES SHALL BE DOUBLE OR NO LESS THAN 20 GAUGE PER SECTION 2517.5.1 OF F.B.C. 2017 6th ed.
- PROVIDE WATER HAMMER ARRESTORS IN ALL QUICK CLOSING VALVES.
- VISIT AND CAREFULLY EXAMINE THOSE PORTIONS OF THIS BUILDING AND SITE AFFECTED BY THIS WORK BEFORE SUBMITTING PROPOSALS, SO AS TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT EXECUTION OF THE WORK. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES WILL NOT BE RECOGNIZED. PLANS SHOW A GENERAL DESCRIPTION OF THE ENGINEER INTENTION AS TO THE SCOPE OF WORK. CONTRACTOR SHALL VISIT THE JOB SITE TO FAMILIARIZE WITH THE PLACE AND BRING TO THE ARCHITECT/ENGINEER ANY DISCREPANCIES WITH CONSTRUCTION DOCUMENTS. CONTRACTOR SHALL PROVIDE THE ENGINEER WITH SUBMITTALS OF ALL EQUIPMENT AND MATERIALS INTENDED TO USE TO COMPLETE THE WORK.



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PROPOSED RESTAURANT - SMOKE BOX

FOR
GONZALEZ CAPITAL HOLDINGS, LLC
AT
8030 NW 154TH STREET
MIAMI LAKES, FLORIDA

DATE
07/15/19

SHEET TITLE
PLUMBING FLOOR PLANS

DRAWN BY
M.A

CHECKED BY
M.A

JOB NUMBER
A2019-09

SHEET NO.
P-2

dr. 11001

SYSTEM SPECIFICATIONS (GB-75-2-Series-SV24-L4)

1. 4" inlet/outlets (No-Hub)
2. Max flow rate: 75 GPM
3. Liquid capacity: 125 Gallons
4. Max grease capacity: 861 lbs
5. Grease capacity based off 99% efficiency per Miami DERM FOG 2.0 requirement
6. Max solids/sediment capacity: 38.4 Gallons
7. Pickable H20 rated cast iron covers
8. Maximum operating temperature 140° F continuous.
9. Meets the PH of 3-10 per DERM Miami-Dade

NOTES

1. Each unit certified and listed by IAPMO to ASME #A112.14.3 and CSA B43.1 grease interceptor standards
2. Flow control to be installed in first unit only.
3. For gravity drainage applications only. Do not use for pressure applications.
4. 3/8" thick seamless high density polyethylene walls.
5. Unit supplied with built-in adapter(s) for up to 3-1/2" of adjustability. Additional riser(s) are also available for deeper burial depth.
6. Cover placement allows full access to tank for proper maintenance.
7. Vent not required unless per local code.
8. Designed narrow footprint allows clearance through doorways and down stairwells.
9. Engineered inlet and outlet diffusers are removable to inspect/clean piping.
10. For on-the-floor or buried applications.
11. Locate interceptor as close as possible to grease producing fixtures.
12. Integral Air Relief / Anti-siphon.
13. Three outlet options for easy rough in. Unit shipped with outlet diffuser in outlet "B".

DIFFUSION FLOW TECHNOLOGY

The inlet diffuser splits incoming effluent into two paths that utilize the entire liquid volume of the tank for efficient grease separation. The calibrated openings greatly reduce effluent turbulence. The effluent enters the tank without disturbing the grease or sediment layers.

The outlet diffuser allows only effluent which is free of grease to exit the tank. It can easily be attached to any of the three outlets provided to ease jobsite piping layouts.

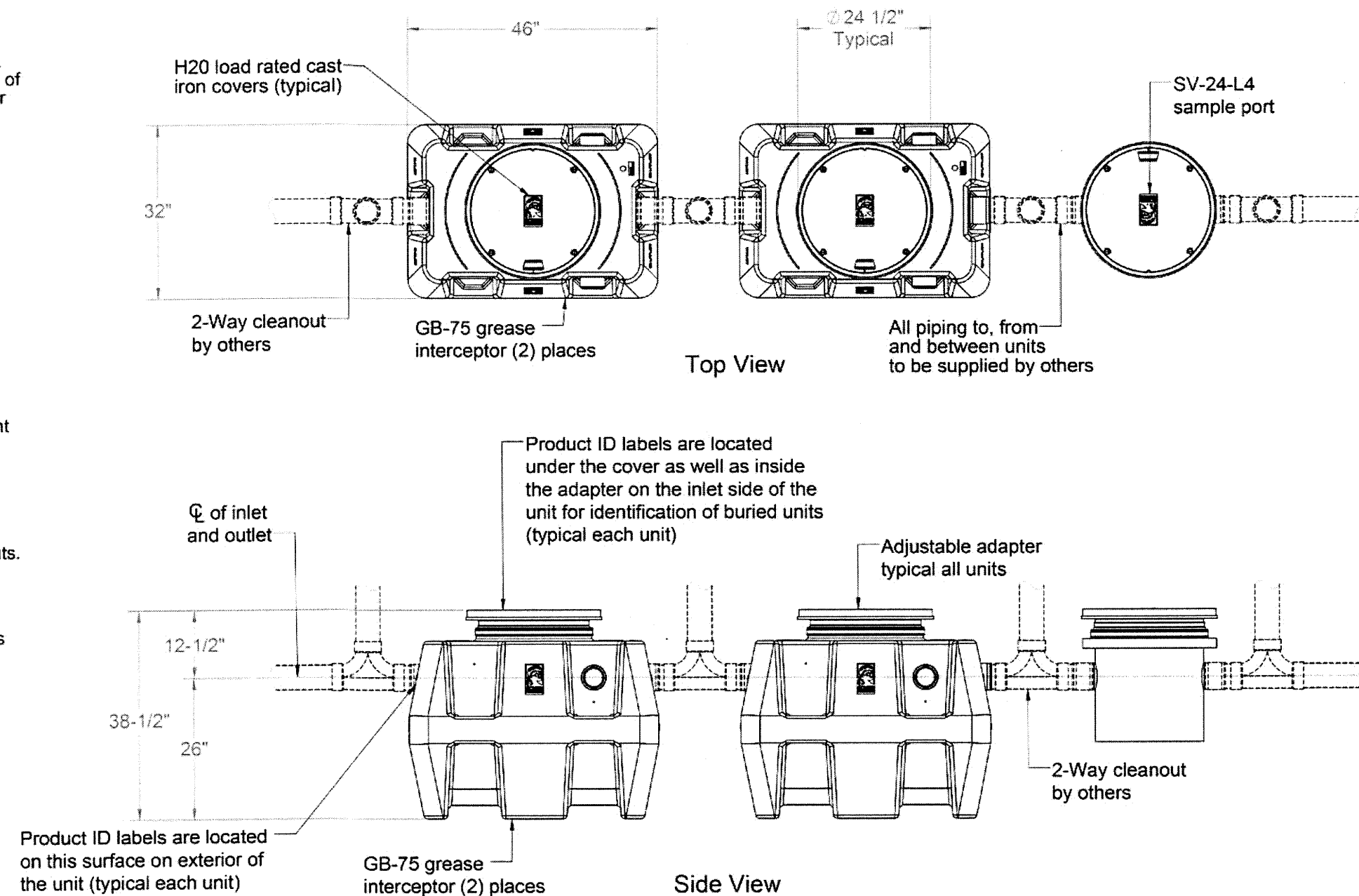
OPTIONS:

- Teleglide field adjustable risers for extending covers to grade
- High water anchor kit (set of 2)
- Male pipe thread
- 6" pipe connections
- Highway rated (16,000 lbs) composite cover
- Anchor kits

Grease Capacities of Multiple Unit Systems at 99% Efficiency per Miami DERM FOG 2.0 Requirement

- ☐ GB-75-2 series = 861 lbs.
- ☐ GB-75-4 series = 2,335 lbs.
- ☐ GB-75-6 series = 3,809 lbs.

For systems larger than 6 units contact Schier for system grease capacities



MODEL NUMBER: GB-75-2-Series-SV24-L4 LAYOUT DETAIL: 900-0119-01

DESCRIPTION: MULTIPLE UNIT GREASE INTERCEPTOR SYSTEM LAYOUT DETAIL FOR 99% GREASE RATING EFFICIENCY FOR MIAMI DERM FOG 2.0

PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SCHIER PRODUCTS. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SCHIER PRODUCTS IS PROHIBITED.

DWG BY: TEU DATE: 4/3/2018 REV: - ECO: -



9500 Woodend Road
Edwardsville, KS 66111
Tel: 800-827-7119
Fax: 800-827-9664
www.schierproducts.com

SPECIFICATIONS

1. 4" inlet/outlet Sch. 40, Plain End(No-Hub)
2. Liquid capacity: 52 Gallons
3. Solids capacity: 25 Gallons
4. Unit weight w/std. covers: 158 lbs.
5. H20 rated pickable cast iron cover, 16,000 lbs load.
6. Maximum operating temperature 140° F continuous.

NOTES

1. For gravity drainage applications only. Do not use for pressure applications.
2. 3/8" thick seamless high density polyethylene tank.
3. Unit supplied with built-in adapter for up to 3" of adjustability. Additional riser(s) available for deeper burial depth.
4. Cover placement allows full access to tank for proper maintenance.
5. Designed narrow footprint allows clearance through doorways and down stairwells.
6. Diffuser is removable to inspect or clean piping.
7. For on-the-floor or buried applications.

ENGINEER SPECIFICATION GUIDE

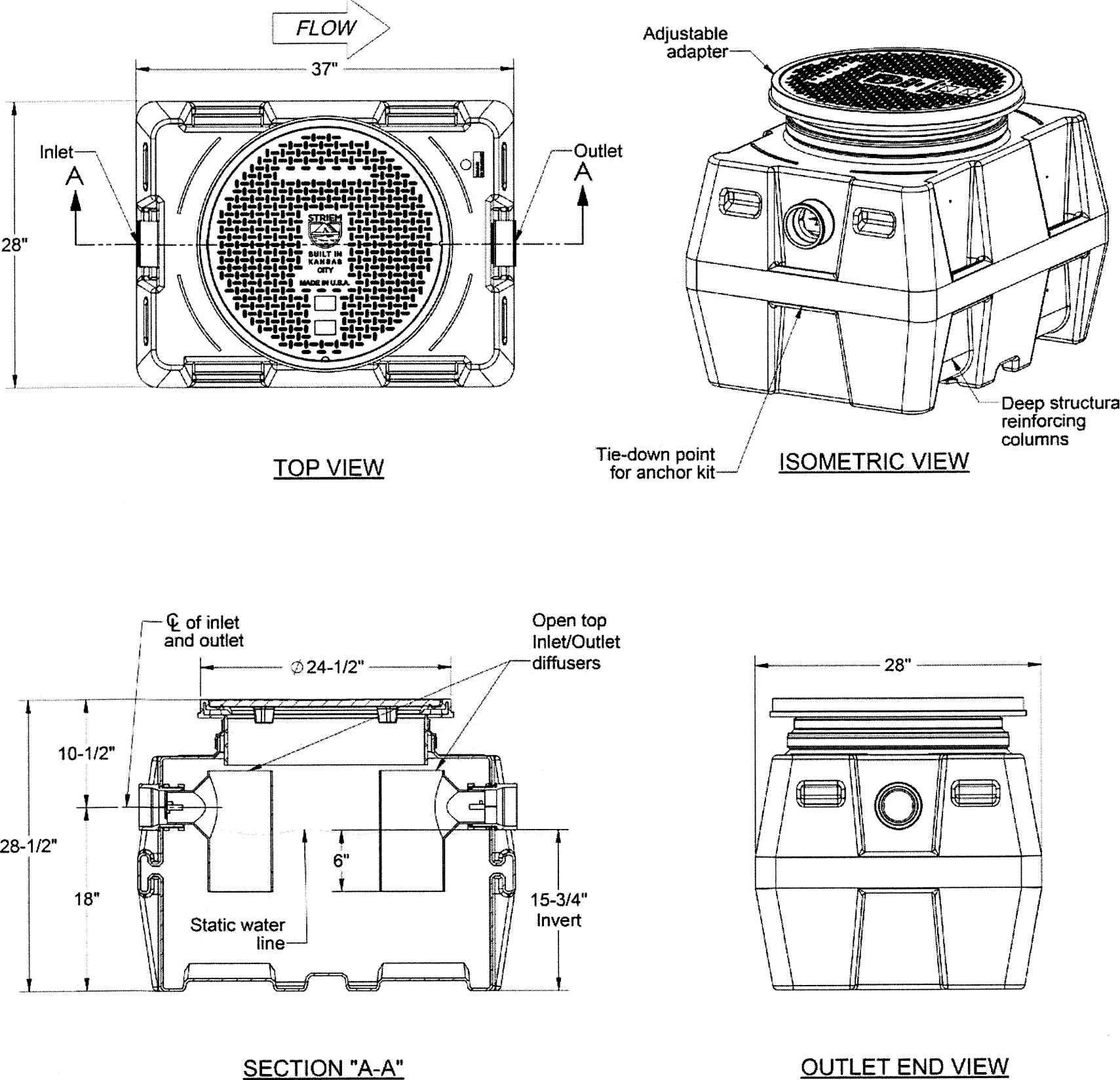
Striem Settler™ Catch Basin model CB-50-SFL shall be lifetime guaranteed and made in USA of seamless, rotationally-molded High Density Polyethylene with a minimum 3/8" uniform wall thickness. Catch Basin shall be furnished for below grade installation with a H20 rated pickable cast iron cover with 16,000 lb load capacity. Catch Basin shall be provided with outlet and inlet connection.

OPTIONS

- ☐ CC24 - Integral Membrane Clamping Collar Kit
- ☐ AK1 - High Water Anchor Kit

PO IS NON-CANCELABLE
ORDER IS NON-RETURNABLE

Signature of Approval: _____
Company: _____
Date of Approval: _____
Specifying Engineer: _____
Engineering Firm: _____



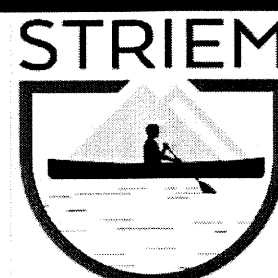
MODEL NUMBER: CB-50-SFL

DESCRIPTION:

SETTLER SERIES 52 GALLON LIQUID STORAGE CAPACITY POLYETHYLENE CATCH BASIN WITH H20 RATED PICKABLE CAST IRON COVER

SPECIFICATION SHEET

Striem
3100 Brinkerhoff
Kansas City, KS 66115
Tel: 913-222-1500
Fax: 913-291-0457
www.striemco.com
Made in the U.S.A



DWG BY: MJ DATE: 8/31/18 REV: 0 ECO:

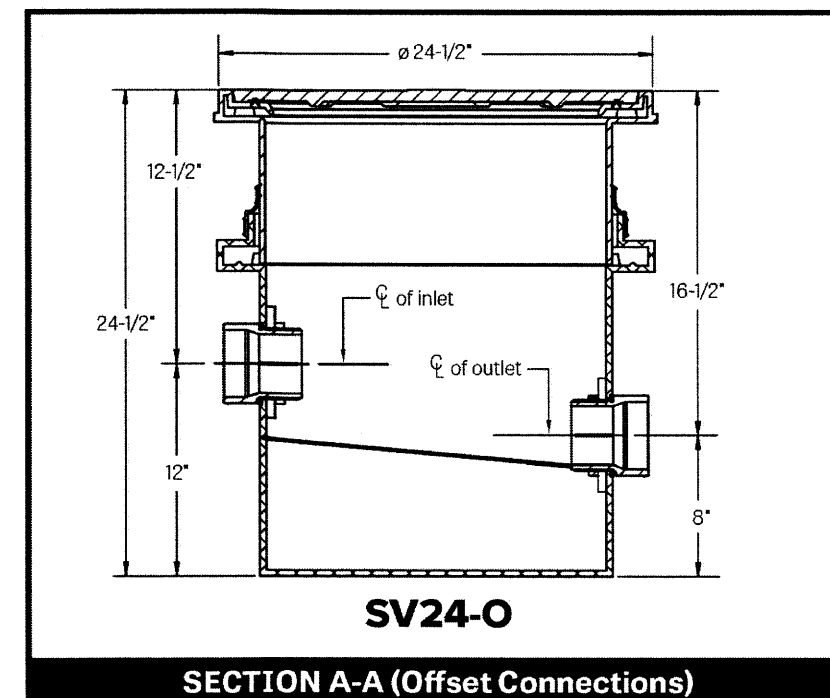
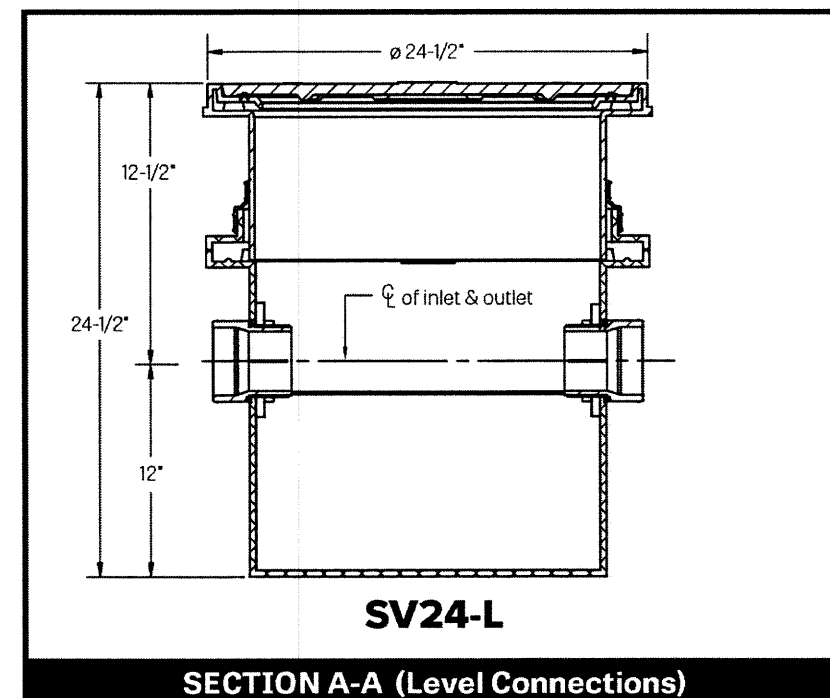
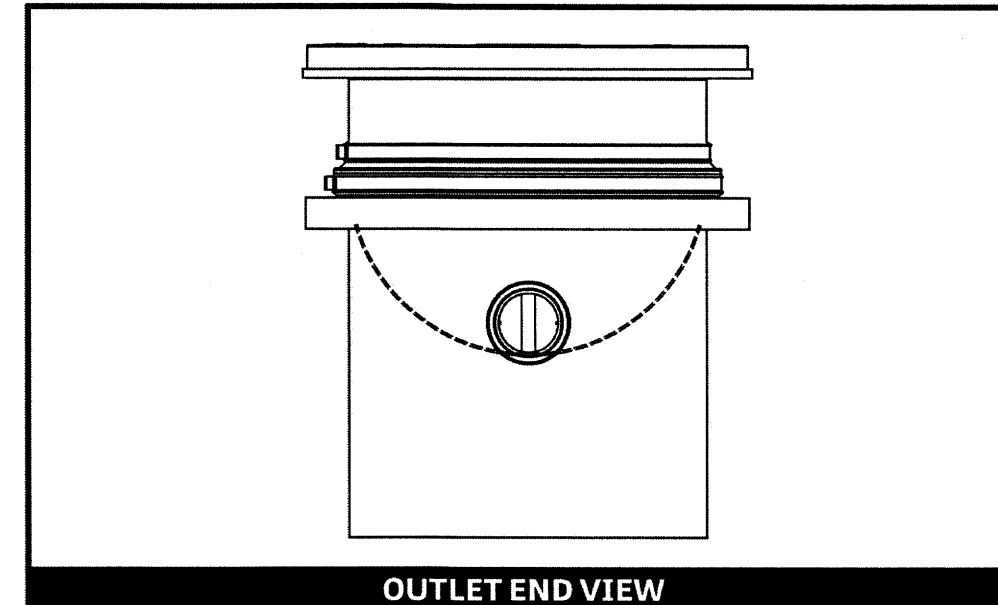
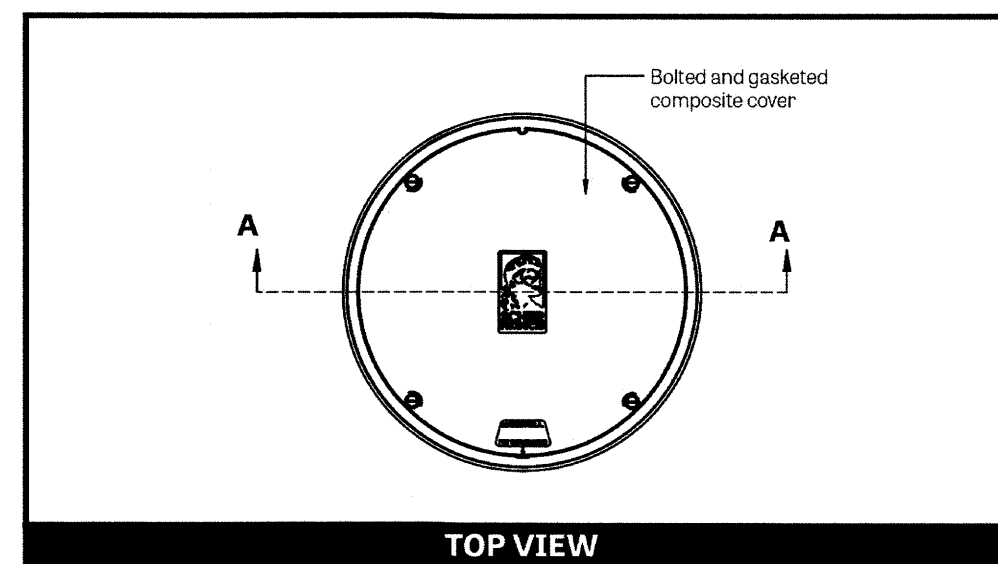
SPECIFICATIONS

NOTES

1. 4" plain end inlet/outlet
2. Unit weight - 65 lbs.
3. Unit supplied with built-in adapter for up to 3" of continuous adjustability. Additional riser(s) are also available for deeper burial depth.
4. Maximum operating temperature: 140° F continuous

ENGINEER SPECIFICATION GUIDE

Schier Sewer Viewer™ sampling port model #SV24 shall be manufactured by Schier Products, Edwardsville, KS. Port shall be lifetime guaranteed and Made in USA of seamless, rotationally molded polyethylene.



	MODEL NUMBER: SV24	DESCRIPTION: Polyethylene Wastewater Sampling Port			
	PART #: 8063-XXXX-02	DWG BY: B. Kanner	DATE: 2/25/2016	REV: 3 10/13/2017	ECO: 1067

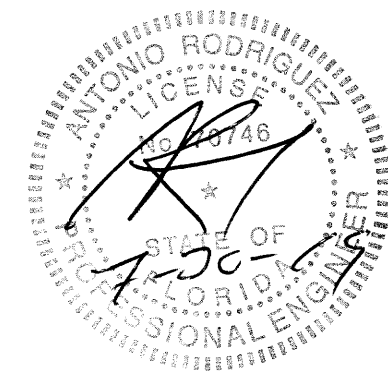
9500 Woodend Road Edwardsville, KS 66111 Tel: 913-951-3300 Fax: 913-951-3399 www.schierproducts.com © Copyright 2017 Schier, All Rights Reserved

0571080-02 page 3 of 5

FOG 2.0 RER-DERM FOG Control Device (FCD) Installation Inspection	
Approval Date:	
Inspector:	
DERM's FCD Installation Inspection Required Prior to Plumbing Final for all Municipal projects. Failure to secure DERM's FCD Installation Inspection will result in disapproval of Final Inspection by the Municipal Building Official, pursuant to Section 24.42-6, MDC Code.	
To schedule DERM's FCD Installation inspection for Municipal projects please send an email to: FOG2@miamidade.gov , 24 hours prior to desired date. Provide DERM plans process M-number, complete address of the site, folio number, and contact person name and phone number.	
DATE: 5/26/2018	

FOG 2.0 RER-DERM
Hydromechanical FOG Control Device (H-FCD)

REQUIRED INFORMATION	TANKS
CAPACITY (gpm)	75
FOG LOAD CAPACITY (LBS) AT 99% EFFICIENCY	861
MANUFACTURER	SCHIER PRODUCTS
MODEL NO	GB-75-2-SERIES
3rd PARTY CERTIFIER	ASME
INTERCEPTOR MONITORING ALARM NO.	N/A
INTERCEPTOR MONITORING DEVICE NO.	N/A
SOLID SEPARATOR MAKE AND MODEL	Striem CB-50-SFL

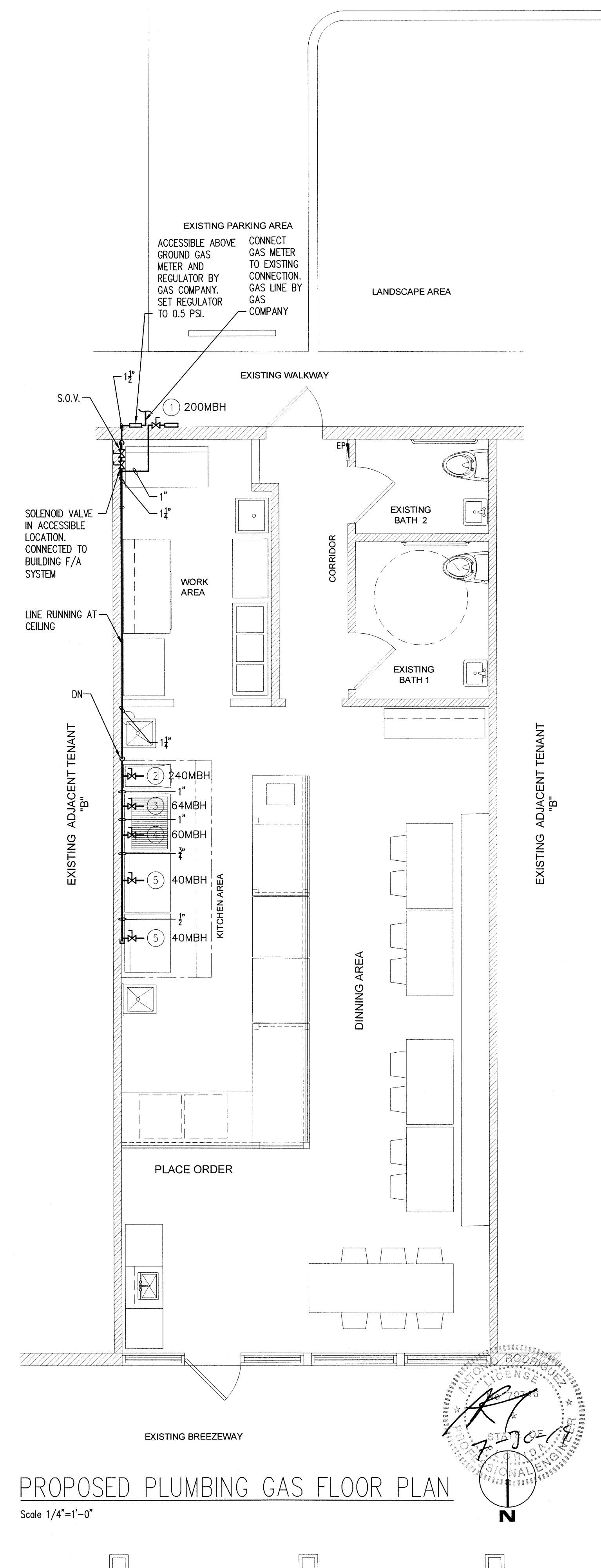


- 1.- ALL INSTALLATIONS SHALL BE AS PER NFPA 4 AND FBC FUEL GAS 6 ED 2017.
- 2.- INSTALL DIELECTRIC FITTING WHEN DIFFERENT METALS ARE CONNECTED TOGETHER.
- 3.- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION WITH LOCAL GAS COMPANY.
- 4.- CONTRACTOR SHALL BE RESPONSIBLE BY INSTALLATION OF DRAIN LEG IF WILL BE NECESSARY. DRIPS SHALL BE PROVIDED WITH READY ACCESS TO PERMIT CLEANING OR EMPTYING.
- 5.- COVER EXPOSURE THREAD IN GALVANIZED PIPING WITH CORROSION RESISTANT PAINT.

LOW PRESSURE REGULATOR:	
TABLE:	402.4(2) FBC 6th EDITION (2017) FUEL GAS
GAS:	NATURAL
INLET PRESSURE:	LESS THAN 2.0 PSI
PRESSURE DROP:	0.5 INCH WC
SPECIFIC GRAVITY:	0.6
PIPING:	SCHEDULE 40 METALLIC PIPE.
LONGEST RUN APPROXIMATELY:	40'
EXISTING HOUSE SERVICE LOAD :	644 MBTU

- SCHEDULE 40 METALLIC PIPE TO BE USED ONLY ABOVE GROUND AND INSIDE THE BUILDING
- POLYETHYLENE PLASTIC PIPE TO BE USED ONLY UNDERGROUND AND OUTSIDE

Scale $1/4"=1'-0"$



Scale $1/4"=1'-0"$



manny reus, p.a.

architect

ar. 11001

MIAMI

08.12.19

8:00

AUGUST 9th, 2019

MIAMI DADE COUNTY
FIRE DEPARTMENT

REF: PROPOSED RESTAURANT SMOKE BOX
8030 NW 154TH STREET- MIAMI LAKES
(PROCESS # M2019018490)
ATTN :JOSE FRIAS

RESPONSE TO COMMENTS

- 1) PLANS FOR PROPOSED KITCHEN HOOD SYSTEM SHALL MEET THE REQUIREMENTS OF NFPA 96.....
(R) KITCHEN HOOD IS EXISTING HOWEVER REQUESTED INFORMATION & DETAIL ARE BEING PROVIDED .SEE SHEETS
A-1 & A-3.



Miami Dade County Department of Regulatory And Economic Resources - Job Copy

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Responses to Comments rsk 19-08-13.pdf

18501 Pines Blvd- Suite 342. Pembroke Pines, FL 33029 . (786)302-0581 . reusmanny@gmail.com

JOB COPY

BLC 2019-3246

8030 NW 154 ST

m 2019018490

3219018490

[illegible]

*Pending Contractor

"Smoke Box"



Address: 8030 NW 154 ST
Folio #: 32-20220370010
MDC Process #: MA2019018490
MDC Tracking #: 3219018490
Job Description: FAST FOOD INTERIOR BUILD OUT

Master Permit #: BLC2019-3246

Sub Permit #: _____

Revision #: _____

OFFICE USE ONLY

ZONING	☐ Approved	Date	Disapproved	BUILDING	☐ Approved	Date	Disapproved	STRUCT.	☐ Approved	Date	Disapproved
	Date				Date				Date		
	Initials				Initials				Initials		
ROOFING	☐ Approved	Date	Disapproved	ELECT.	☐ Approved	Date	Disapproved	MECH.	☐ Approved	Date	Disapproved
	Date				Date				Date		
	Initials				Initials				Initials		
PLUMBING	☐ Approved	Date	Disapproved	FLOOD	☐ Approved	Date	Disapproved		☐ Approved	Date	Disapproved
	Date				Date				Date		
	Initials				Initials				Initials		

PLANS CHECKED-OUT

DATE	NAME
8-2	Mylo Gonzalez

PLANS CHECKED-IN

DATE	NAME
8-2	Mylo Gonzalez

	AMOUNTS
BASE PERMIT	
ZONING FEE	
CODE COMPLIANCE FEE	
TECHNOLOGY FEE	
DBPR SURCH. STATE	
DBPR SURCH. BUILDING	
SCANNING FEE	
WORK W/O PERMIT FEE	
UPFRONT FEE PAID	250.00

Miami Dade County Department of Regulatory and Economic Resources - Job Copy

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TOML Permit Application.pdf

Issuing Clerk: _____

Date: ____/____/____



6601 Main St • Miami Lakes, Florida, 33014
Office: (305) 827-4015 • Fax: (305) 558-9884
Website: www.miamilakes-fl.gov

BUILDING PERMIT APPLICATION

Job Address: 8030 NW 154 ST

Unit #: ~~000~~ Smoke Box

Folio #: 32- 2022 0370010 Owner-Builder: ☐

Master Permit #: BLC2019-3246 Sub Permit #: _____ Revision #: _____

OWNER INFORMATION	LEGAL USE/WORK
NAME: <u>The Graham Co</u>	Current Use of Property: <u>Fast Casual Food Est.</u>
Address: <u>6843 Main St</u>	Job Description: <u>remodel interior of food establishment.</u>
City, State, Zip: <u>Miami Lakes FL 33094</u>	JOB COST \$ <u>30,000</u> AREA/LENGTH: <u>900</u> SF/LF
Phone #: <u>305-821-1130</u> Cell #: _____	Residential ☐ Multi-Family ☐ Commercial ☒ Industrial ☐
Email Address: <u>lester.debs@grahamco.com</u>	Code in Effect: _____
Company Name: _____	Occupancy: _____
Qualifier Name: _____	Construction Type: _____
License #: _____	Flood Zone/B.F.E.: _____ F.F.E.: _____
Address: _____	Firm Name: <u>Manny Reus</u>
City, State, Zip: _____	A/E of record: _____
Phone #: _____ Cell #: _____	License # <u>ar. 11001</u>
Email Address: _____	Address <u>18501 Pines Blvd Suite 342</u>
	City, State, Zip <u>Pembroke Pines, FL 33029</u>
	Phone #: <u>786 302-0581</u> Cell #: _____
	Email Address: <u>reusmanny@gmail.com</u>

CONTRACTOR INFORMATION	ARCHITECT/ENGINEER
Permit Type -- Check only One	Change to Permit -- Check only One
☒ Building ☒ Electrical ☒ Mechanical ☒ Plumbing/Gas	☐ Extension ☐ Renewal ☐ Revision
☐ Paving/Drainage ☐ Sign ☐ Roofing ☐ P/W	☐ Change Contractor ☐ Shop Drawing ☐ Cancellation

Application is hereby made to obtain a permit to do work and installation as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work will be performed to meet the standards, of all laws regulating construction in this jurisdiction. I understand that a separate permit must be secured for ELECTRICAL WORK, MECHANICAL, PLUMBING, SIGNS, WELLS, POOLS, RE-ROOFING, SHUTTERS, WINDOWS, FURNACES, BOILERS, HEATERS, TANKS, and AIR CONDITIONERS, etc. I understand that in signing this application I am responsible for the supervision and completion of the construction including scheduling of inspections and obtaining final inspections in accordance with the plans and specification WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR ATTORNEY OR LENDER BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT. OWNER/CONTRACTOR AFFIDAVIT: I certify that all the foregoing information is accurate and that all work will be done in compliance with all applicable laws regulating construction and zoning.

Signature of Owner or Owner's Agent: Lester Debs Date: 8/1/2019 X
Signature of Qualifier: _____ Date: _____

Print Name of Owner or Owner's Agent: Lester Debs
Print Name of Qualifier: _____

STATE OF Florida COUNTY OF Miami Dade
STATE OF _____ COUNTY OF _____

Sworn to and subscribed before me this 1st of August 2019
Sworn to and subscribed before me this _____ 20____

by Lester Debs (SEAL)
by _____ (SEAL)

Personally known ☒ or I.D. _____
Personally known ☐ or I.D. _____

Notary Public State of Florida
Notary Public State of Florida
My Commission GG 280232
Expires 01/12/2023

NOTICE: In addition to the requirements of this permit, there may be additional deed restrictions enforced by the homeowner's associations that may be applicable to this property that may be found in the public records of this county, and there may be additional permits required from other governmental entities such as water management districts, state agencies, or federal agencies.

NOTE: This application will be void if there are no reviews after six(6) months.

MIAMI LAKES
Growing Beautifully

6601 Main St • Miami Lakes, Florida, 33014

Office: (305) 827-4015 • Fax: (305) 558-9884 Website: www.miamilakes-fl.gov

HOMEOWNER'S ASSOCIATION/COMMERCIAL/ARCHITECTURAL CONTROL
COMMITTEE ("HOA/ACC") AFFIDAVIT

****NOTE: Whether you have an HOA or not, it is a requirement to complete this affidavit as part of your permit application submittal package.****

The undersigned individual, being duly sworn, deposes and says that:

1. He/She is the owner of property located at 8030 NW 154 St (identify address), which is part of the _____ (identify neighborhood/subdivision/Homeowner Association "HOA"/Architectural Control Committee "ACC" if applicable) and has submitted the attached building permit application to the Town of Miami Lakes; and
2. He/She is owner of property which may be subject to certain conditions and deed restrictions; and
3. He/She is fully informed regarding any applicable deed restrictions and HOA/ACC requirements for building on or making changes to their property; and
4. He/She is aware that the Town recommends, although not required, that the he/she secure any required approvals from their HOA/ACC, prior to submitting this building permit application; and
5. He/She acknowledges that the issuance of a building permit does not independently satisfy any applicable HOA/ACC approval requirements and that the Town does not enforce any deed restrictions upon said property.

Signature

Print Name

Date

STATE OF FLORIDA)

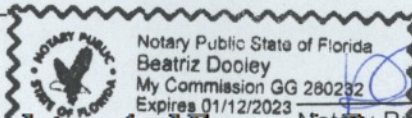
) SS:

COUNTY OF MIAMI-DADE)

BEFORE ME, an officer duly authorized by law to administer oaths and take acknowledgments, personally appeared Lester Dees as owner of said property described herein, on this date executed the foregoing Affidavit for the purposes mentioned in the Affidavit. He/She is personally known to me or has produced _____ as identification.

IN WITNESS OF THE FOREGOING, I have set my hand and official seal at in the State and County aforesaid on this 01 day of August, 2019

My Commission Expires: 1/12/2023



~~Miami Dade County Department of Regulatory and Economic Resources - Notary Public, State of Florida~~

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~~Note: Please be advised that in addition to any written recommendations from your homeowners association (HOA) this affidavit must be filled out.~~

~~Total Permit Application Fee~~



Water and Sewer
PO Box 330316
Miami, Florida 33233-0316
T 786-268-5360 F 786-268-5150

VERIFICATION FORM

DATE:	August 8, 2019	BLDG PROCESS #:	M2019018490
VF#	19-20190-VF - 318	INVOICE(S) #:	N00067733

THIS FORM IS NOT VALID WITHOUT A PAID INVOICE AND EXPIRES ONE YEAR FROM THE DATE ON FORM

PROJECT NAME:	SMOKE BOX RESTAURANT
PROJECT/AGREEMENT NUMBER:	20190
PROJECT DESCRIPTION:	974 SF FAST FOOD RESTAURANT PER PLANS REPLACING RETAIL SPACE PER CCB PREMISE ID#7526886200 AND PTXA

Folio	Address	Zip Code	Lot	Block	Proposed sq. ft.	Previous sq. ft.
3220220370010	8030 NW 154 ST (8000 NW 154 ST)	33016-5814	METERS	BOUND S	974	974
Connection Type	Reason for Connection Information	Critical Habitat	Wetlands	Affordable Housing	SIR Inspection #	
Water, Sewer	Remodeling	No	No	No	N/A	

THIS VERIFICATION LETTER CERTIFIES THAT AVAILABILITY OF A WATER AND/OR SEWER MAIN ONLY, AND IT DOES NOT GUARANTEE THE EXISTENCE OF A WATER SERVICE LINE, FIRE LINE OR OF A SEWER LATERAL WITH SUFFICIENT DEPTH TO SERVE THE PROPERTY. FOR ADDITIONAL INFORMATION EMAIL NEWBUSINESSSUPVLST@MIAMIDADE.GOV. SHOULD IT BECOME NECESSARY TO INSTALL A SERVICE LINE AND/OR A SEWER LATERAL MDWASD REQUIRES THAT THE DEVELOPER RETAINS SERVICES FROM DESIGNERS AND CONTRACTORS WITH SKILL SETS FOR DESIGNING, BUILDING, AND CONNECTING TO PUBLIC WATER AND SEWER SYSTEMS. A WATER AND/OR SEWER AGREEMENT MAY BE REQUIRED. AN INSPECTION FOR ANY EXISTING SERVICES WILL BE PROCESSED WITH THIS FORM, AND A SERVICE UPGRADE MAY BE REQUIRED WHICH MAY TAKE UP TO 12 WEEKS.

THIS IS TO CERTIFY THAT THE MIAMI-DADE WATER AND SEWER DEPARTMENT **DOES HAVE A(N) 12 INCH WATER MAIN AND/OR DOES HAVE A(N) 8 INCH GRAVITY SEWER MAIN** ABUTTING THE SUBJECT PROPERTY.

Proposed Use	Square Footage/ # Units	Water Gallons Per Day	Sewer Gallons Per Day
Restaurant Fast Food (65 gpd/100 sq ft)	974	633	633
Previous Use	Square Footage/ # Units	Water Gallons Per Day	Sewer Gallons Per Day
2018 - Retail (10 gpd/100 sq ft)	974	97	97

Water Service Area	WASD Water	Sewer Service Area	WASD Sewer
Net Water GPD	536	Net Sewer GPD	536
Net Water Cost (\$)	\$ 745.04	Net Sewer Cost (\$)	\$3,001.60
Water Basin Charge (\$)	No	Sewer Basin Charge (\$)	No
Total Connection Charges (\$)		\$3,746.64	
Total Construction Connection Charges (\$) (accrues interest daily)		\$ 0.00	
Construction Connection Charges Status		N/A	

WE ARE WILLING TO SERVE THE SUBJECT PROPERTY, SUBJECT TO PROHIBITIONS, OR RESTRICTIONS OF GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER MATTERS OF THE ANTICIPATED DAILY WATER AND/OR SEWAGE FLOW FOR THIS PROJECT WHICH WILL BE THE NUMBER OF GALLONS PER DAY INCREASE STATED ABOVE. IF "WILL HAVE", UPON PROPER CONVEYANCE AND PLACEMENT INTO SERVICE OF WATER AND/OR SEWER FACILITIES BY THE DEVELOPER UNDER AGREEMENT IF APPLICABLE WITH THE DEPARTMENT. FURTHERMORE, APPROVAL OF ALL SEWAGE FLOWS INTO THE DEPARTMENT'S SYSTEM MUST BE OBTAINED FROM D.E.R.M. SUBJECT TO RER'S TERMS AND CONDITIONS SET FORTH IN THE CONSENT DECREE (CASE NO. 1:12-CV-24400-FAM) OR DOH ONSITE SEWER TREATMENT & DISPOSAL SYSTEM RULES & STATUTES.

Fixed Fee Item	Price (\$)	Total Quantity	Total Fees (\$)
Verification Form - Non-Residential Existing Water	75	1.00	75.00
Verification Form - Non-Residential Existing Sewer	75	1.00	75.00
Water Allocation Certificate - Initial	90	1.00	90.00
Total Fixed Fee			\$ 240.00
Verification Form Total (\$)			\$3,986.64

COMMENTS: Refunds are based on the date of payment and subject to State Statute 95-11. Some fees are not refundable.

CUSTOMER NAME: MYLO GONZALEZ	CUSTOMER PHONE:
Prepare by: Deidra Lewis	Approved by: Luis Delgado
Printed Name of Reviewer	Printed Name of Supervisor

Attached the Comprehensive Planning and Water Supply Certification Letter

Miami Dade County Department of Regulatory And Economic Resources - Job Copy

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WASA Verification Form.pdf