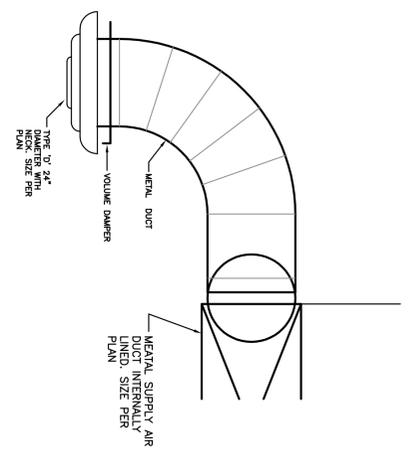


TOLA RESTAURANT

4601 Washington Ave
Houston, TX 77007

Gensler

711 Louisiana
Suite 300
Houston, Texas 77002
Tel: 713.844.0000
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4 ROUND DIFFUSER CONNECTION

HOOD - EXHAUST FAN NO.	CLASS	RATED VOLUME
EF-1	HOOD #1 CLASS I	6000 CFM
EF-2	HOOD #2 CLASS II	5250 CFM
TEF-1	TOILET FAN	100 CFM
TEF-2	TOILET FAN	100 CFM
TEF-3	TOILET FAN	150 CFM
	TOTAL EXHAUST	6925 CFM
	HOOD - SUPPLY FAN NO.	
	EF-1 (80% OF EF-1) (WITH MOTORIZED DAMPER)	4790 CFM
	TOTAL SUPPLY	4790 CFM
	NET MAKE-UP TEMPERED AIR	2135 CFM
	DUTSIDE AIR REQUIRED FOR RESTAURANT OCCUPANCY.	
	KITCHENS: F. 1113 S. F. =	334 CFM
	DINING RM: S. F. =	1526 CFM
	RESTROOM S. F. =	300 CFM
	50 CFM PER TOILET OR URINAL	
	WALK-IN COOLER/REEZER ARE EXEMPT	
	TOTAL DUTSIDE CFM REQUIRED FOR REST.	2160 CFM
	AHU-1 10 TON	700 CFM
	AHU-2 12.5 TON	800 CFM
	AHU-3 7.5 TON	500 CFM
	AHU-4 7.5 TON	500 CFM
	TOTAL DUTSIDE AIR THROUGH RIGS	2500 CFM
	POSITIVE AIR - 340	

3 VENTILATION CALCULATION

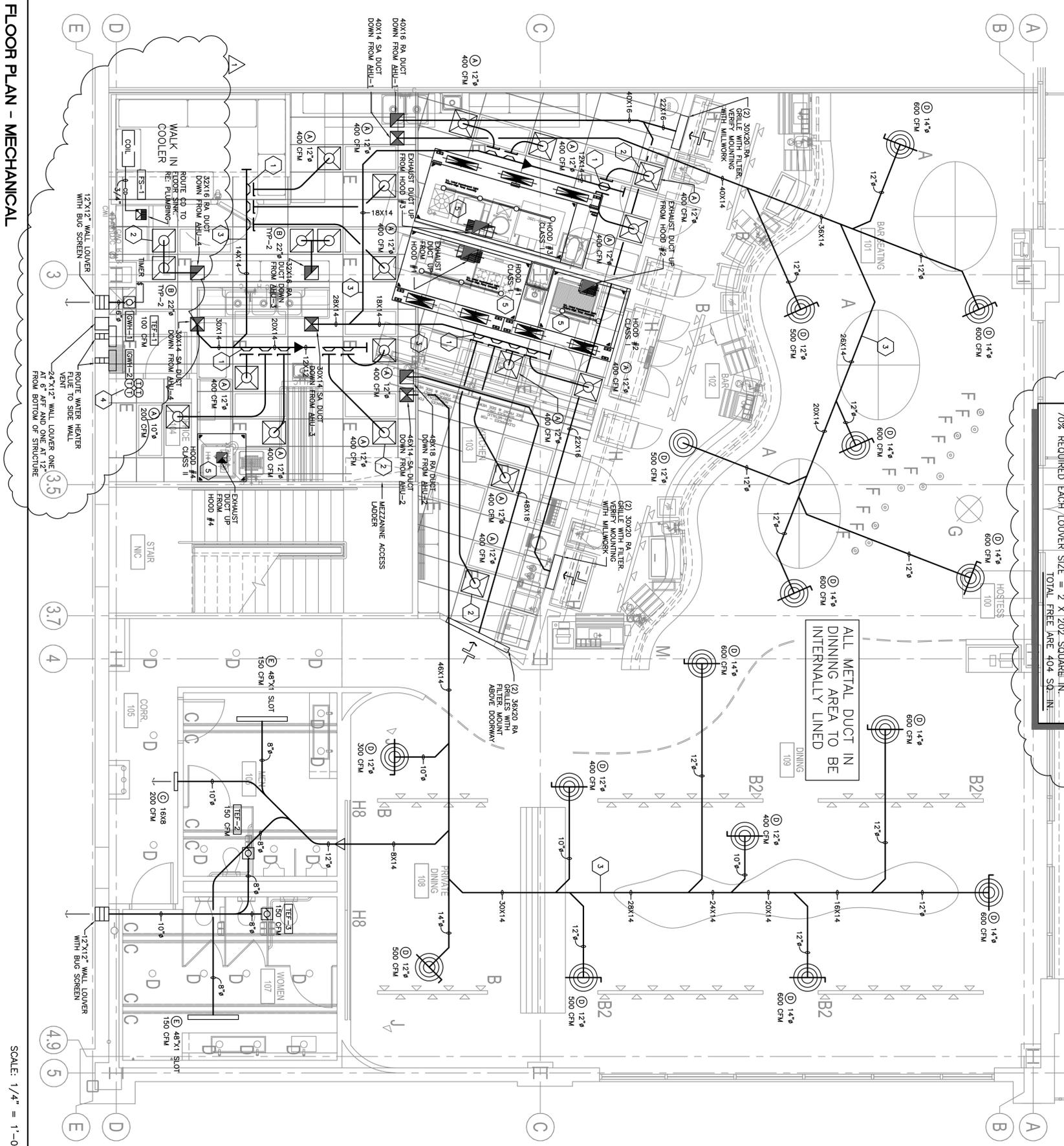
- 1 TAP VOLUME AIR DAMPER, TYPICAL FOR SUPPLY AIR. REFER TO DETAIL.
- 2 AIR GRILL MOUNTED IN LAV-IN CEILING, COORDINATE LOCATION WITH LIGHTING AND ARCHITECTURAL REFLECTED CEILING PLAN.
- 3 SUSPEND SUPPLY TRUNK FROM STRUCTURE. REFER TO DETAILS.
- 4 PROVIDE AND INSTALL PROGRAMMABLE THERMOSTAT. REFER TO MECHANICAL SPECIFICATIONS. INSTALL REMOTE SENSOR IN REAR AIR PLenum.
- 5 KITCHEN HOOD EXHAUST DUCT AND SUPPLY DUCT UP TO FANS. REFER TO KITCHEN VENDOR DRAWINGS FOR DUCT SIZES AND FAN SIZES WITH HOOD TO BE PROVIDED AND INSTALLED BY KITCHEN EQUIPMENT VENDOR/CONTRACTOR.

2 MECHANICAL KEYED NOTES

ALL CONSTRUCTION APPLICATION & INSTALLATION TO FOLLOW THE CODES LISTED BELOW:
 2000 UNIFORM MECHANICAL CODE
 2003 INTERNATIONAL BUILDING CODE
 2000 NATIONAL PLUMBING CODE
 2008 NATIONAL ELECTRICAL CODE
 2000 INTERNATIONAL FUEL GAS CODE
 2008 INTERNATIONAL ENERGY CODE

COMBUSTION AIR CALCULATIONS
 PROVIDE (2) 24"x12" LOUVERED COMBUSTION AIR DUCTED OPENINGS: (1) OPENING WITHIN 12" OF FLOOR AND (1) OPENING WITHIN 12" OF CEILING OR STRUCTURE.
 (2) 199,000 BTUH/1000 BTUH PER SQUARE INCH = 398 SQUARE INCHES REQUIRED OPENING ASSUME 70% FREE AREA OF LOUVER.
 24X12 = 1288 SQUARE INCHES X 2 = 576 SQUARE IN. 70% REQUIRED EACH LOUVER SIZE = 2 X 1202 SQUARE IN. TOTAL FREE AREA 404 SQ. IN.

ALL METAL DUCT IN DINING AREA TO BE INTERNALLY LINED



1 FLOOR PLAN - MECHANICAL

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

PROJECT #10082
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THIS SEAL WAS AUTHORIZED THIS DATE: 06/08/10
 Coverage shall be limited to design in whole or part in any form or format without prior written consent of H.M. McLeod, P.E.

Project Name: TOLA
 Project Number:
 CAD File Name:
 Description: MECHANICAL FLOOR PLAN

Scale: 0 2' 4' 8' 16'

M-11

Issue	Date & Issue Description	By	Check
01	05/19/10 PERMIT/CONSTRUCTION		
	08/08/10 CITY COMMENTS		

