



**CITY OF CAMPBELL**  
**Community Development Department**

July 2, 2021

**NOTICE OF PUBLIC HEARING**  
**THIS MEETING WILL BE CONDUCTED ON-LINE USING ZOOM**

Notice is hereby given that the Planning Commission of the City of Campbell has set the time of 7:30 p.m., or shortly thereafter, on Tuesday, **July 13, 2021**, for a Public Hearing to consider the application of Reza Mirzadeh for a Conditional Use Permit (PLN-2021-74) to allow beer and wine in association with an existing retail cake store/café (d.b.a. Marvel Cake) within an existing commercial tenant space located at **1614 W. Campbell Avenue** in the C-1 (Neighborhood Commercial) Zoning District. Staff is recommending that this item be deemed Categorically Exempt under CEQA.

While members of the public will not be able to attend the meeting of the Campbell City Planning Commission physically, the meeting will be live-streamed on YouTube at (<https://www.youtube.com/user/CityofCampbell>).

Interested persons may register to electronically participate in this Zoom PC meeting at <https://campbellca-gov.zoom.us/j/87222215174?pwd=SzUvRG9YRkdIWllueHk5NGs2Vzh5Zz09>. After registering, you will receive a confirmation email containing information about joining the webinar. The complete agenda packet will be posted by Friday, July 9<sup>th</sup>, on the website at <https://www.ci.campbell.ca.us/AgendaCenter/Planning-Commission-6>, and will include all materials for this meeting. Please be advised that if you challenge the nature of the above project in court, you may be limited to raising only those issues you or someone else raised at the Public Hearing described in this Notice, or in written correspondence delivered to the City of Campbell Planning Commission at, or prior to, the Public Hearing by email to [planning@campbellca.gov](mailto:planning@campbellca.gov). Questions may be addressed to the Community Development Department at (408) 866-2140. Plans and architectural drawings may be viewed by Friday, July 2<sup>nd</sup>, on the City's 'Public Notices' web page (<http://www.cityofcampbell.com/501/Public-Notices>) under 'Planning Commission'.

In compliance with the Americans with Disabilities Act, the City of Campbell will generally, upon request, provide appropriate aids and services leading to effective communication for qualified persons with disabilities so they can participate equally in the public hearings, including qualified sign language interpreters, listening assistive devices, and other ways of making information and communications accessible to people who have speech, hearing, or vision impairments. Anyone who requires auxiliary aid or service for effective communication should contact the City Clerk's Office at 70 N. First Street, Campbell, CA 95008, (408) 866-2117 or [ClerksOffice@campbellca.gov](mailto:ClerksOffice@campbellca.gov) at least on week prior to the meeting. Hearing impaired or TTY/TDD text telephones users may contact the City by dialing 711 for California Relay Service (CRS) or by telephoning any other service providers' CRS telephone number.

PLANNING COMMISSION  
CITY OF CAMPBELL  
ROB EASTWOOD  
SECRETARY

PLEASE NOTE: When calling on this Notice, refer to **1614 W. Campbell Ave.**





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BLUEPRINT FOR A CLEAN BAY: SANTA CLARA VALLEY NON-POINT SOURCE POLLUTION CONTROL PROGRAM SPECIFICATION SHEET

**PROJECT DATA DESCRIPTION**

Useable Area: 2545 SF  
 Construction Type: V-B  
 # of Stories: 1  
 Sprinkler System: Yes  
 Occupancy: B  
 Occupant Load: 41  
 # of Seats: 12  
 Previous Use: DOG TRAINING (ZOOM ROOM)  
 Proposed Use: BAKERY

EXTERIOR SIGNAGE SHALL BE UNDER A SEPARATE PERMIT.

**OCCUPANCY LOAD**

FUNCTION	OCCUPANCY	AREA (SF)	LOAD FACTOR	LOAD
KITCHEN/SERVICE/LOCKER	B	1381	200	7
DINING ROOM	B	306	15	21
OFFICE	B	99	100	1
RESTROOM/ACCESS	B	247	N/A	0
RETAIL AREA	M	365	30	13
HALLWAY	B	147	N/A	0
2545 TOTAL OCCUPANT LOAD =				41

**FIRE DEPARTMENT NOTES**

**DOOR NOTES:** ALL EXIT DOORS SHALL BE OPEN ABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. KEY LOCKING HARDWARE MAY BE USED ON THE MAIN EXIT WHEN THERE IS A READILY VISIBLE, DURABLE SIGN ON OR ADJACENT TO THE DOOR STATING "THIS DOOR TO REMAIN UNLOCKED WHILE THIS SPACE IS OCCUPIED". MANUALLY OPERATED EDGE-OR SURFACE-MOUNTED FLUSH BOLTS ARE PROHIBITED.

**ADDRESS:** PROVIDE APPROVED ADDRESS NUMBERS LOCATED ON THE BUILDING IN SUCH A MANNER AS TO BE PLAINLY VISIBLE AND LEGIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY. ADDRESS NUMBERS SHALL BE 4" HIGH WITH A MINIMUM STROKE WIDTH OF 1/8" INCH. PROVIDE ADDRESS NAME AND SUITE NUMBER TO BACK DOOR.

**FIRE EXTINGUISHERS:** PROVIDE ONE MINIMUM 2A 10B C RATED FIRE EXTINGUISHER AT FRONT DOOR. ALSO PROVIDE ONE (1) CLASS "K" PORTABLE FIRE EXTINGUISHER IN KITCHEN. FIRE EXTINGUISHERS SHALL BE UNOBSTRUCTED PER CBC 906.6, MOUNTED IN A CONSPICUOUS LOCATION PER CBC 906.5, AND AT 48" MAX TO THE HIGHEST OPERABLE PARTS PER CBC 118-306. FINAL QUANTITIES AND LOCATIONS OF FIRE EXTINGUISHERS TO BE DETERMINED ON-SITE BY THE FIRE MARSHALL.

**EMERGENCY LIGHTING:** PROVIDE EMERGENCY LIGHTING THROUGHOUT RESTAURANT.

**FOR FIRE SAFETY DEPARTMENT: (TO HAVE SEPARATE PERMIT)**

THE GENERAL FIRE SAFETY NOTES RELATED TO THE BUILDING SHALL BE OBSERVED. ALL FIRE RELATED INSTALLATION IF ANY SHALL HAVE A SEPARATE PERMIT WITH THE APPROVED PLAN BY THE "FIRE SAFETY DEPARTMENT" OR FIRE MARSHALL. A C-16 LICENSED CONTRACTOR WILL BE RESPONSIBLE FOR THE FIRE RELATED PERMIT.

**FIRE SPRINKLER SYSTEM:**

A SEPARATE PLAN CHECK AND SUBMITTAL AND PERMIT IS REQUIRED FOR THE INSTALLATION OR MODIFICATION TO THE FIRE SPRINKLER SYSTEM. A PERMIT APPLICATION, PLANS, AND CALCULATIONS SHALL BE SUBMITTED TO THE BUILDING PERMIT COUNTER AT CITY HALL FOR PLAN CHECK APPROVAL BY THE FIRE DEPARTMENT. THE SEPARATE PERMIT MUST BE ACQUIRED PRIOR TO INSTALLATION.

**KITCHEN HOOD FIRE SUPPRESSION SYSTEM:**

A SEPARATE PLAN CHECK AND SUBMITTAL AND PERMIT IS REQUIRED FOR THE INSTALLATION OR MODIFICATION TO THE KITCHEN HOOD FIRE SUPPRESSION SYSTEM. A PERMIT APPLICATION, PLANS, AND CALCULATIONS SHALL BE SUBMITTED TO THE BUILDING PERMIT COUNTER AT CITY HALL FOR PLAN CHECK APPROVAL BY THE FIRE DEPARTMENT. THE SEPARATE PERMIT MUST BE ACQUIRED PRIOR TO INSTALLATION.

**KNOX BOX:** PROVIDE MASTER KEY FOR KNOX BOX.

**PROJECT TEAM**

- ARCHITECT:**  
 Maxwell Beaumont  
 Design4dining  
 2363 Blvd. Circle #18  
 Walnut Creek, CA 94595  
 David Mancini  
 925-330-9880  
 design4dining@aol.com
- ENERGY CONSULTANT:**  
 Rescom Energy Engineering  
 3166 Suisun Bay Road  
 West Sacramento, CA 95691  
 916-373-1383  
 larry@rescomee.com
- TENANT:**  
 Marvel Cake  
 Reza Mirzadeh  
 reza.mirzadeh@gmail.com  
 408-421-9069
- EXHAUST HOOD DESIGNER:**  
 CaptiveAire, Inc.  
 8 Adrian Ct.  
 Burlingame, CA 94010  
 415-956-2200  
 Thomas Thai  
 thomas.thai@captiveaire.com

**SCOPE OF WORK - TENANT IMPROVEMENT**

NEW BAKERY IN EXISTING BUILDING SHELL. THIS WILL INVOLVE THE FOLLOWING WORK:

- DEMOLITION.
- FRAME NEW WALLS (NON LOAD BEARING) AS REQUIRED.
- ELECTRICAL WORK AS REQUIRED FOR NEW PLAN.
- PLUMBING WORK AS REQUIRED FOR NEW PLAN.
- INSTALL COUNTERTOPS AND COVE AS REQUIRED.
- INSTALL FLOORING AND ALL OTHER REQUIRED FINISHES.
- INSTALL CEILINGS AS REQUIRED.
- PROVIDE AND INSTALL NEW EQUIPMENT AS REQUIRED.
- INSTALL TYPE II HOOD SYSTEM TO DUCT WORK.
- INSTALL HVAC DISTRIBUTION SYSTEM.

**ACCESSIBILITY**

THIS SPACE AND ALL WORK PROPOSED BY THIS PERMIT WILL BE IN FULL COMPLIANCE WITH CALIFORNIA ACCESS REQUIREMENTS, CBC 2016.

**APPLICABLE CODES**

The following codes, as amended by State of California and local jurisdiction, are applicable to this project.

- 2016 CALIFORNIA BUILDING CODE (CBC)
- 2016 CALIFORNIA PLUMBING CODE (CPC)
- 2016 CALIFORNIA MECHANICAL CODE (CMC)
- 2016 CALIFORNIA FIRE CODE (CFC)
- 2016 CALIFORNIA ENERGY CODE AKA ENERGY EFFICIENCY STANDARDS (EES)
- 2016 CALIFORNIA ELECTRICAL CODE (CEC)
- 2016 CALIFORNIA UNIFORM RETAIL FOOD FACILITIES LAW (CURFFL)
- 2016 CALIFORNIA ACCESSIBILITY TITLE (TITLE-24)
- 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE (CGBCS)

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6/11/19	1
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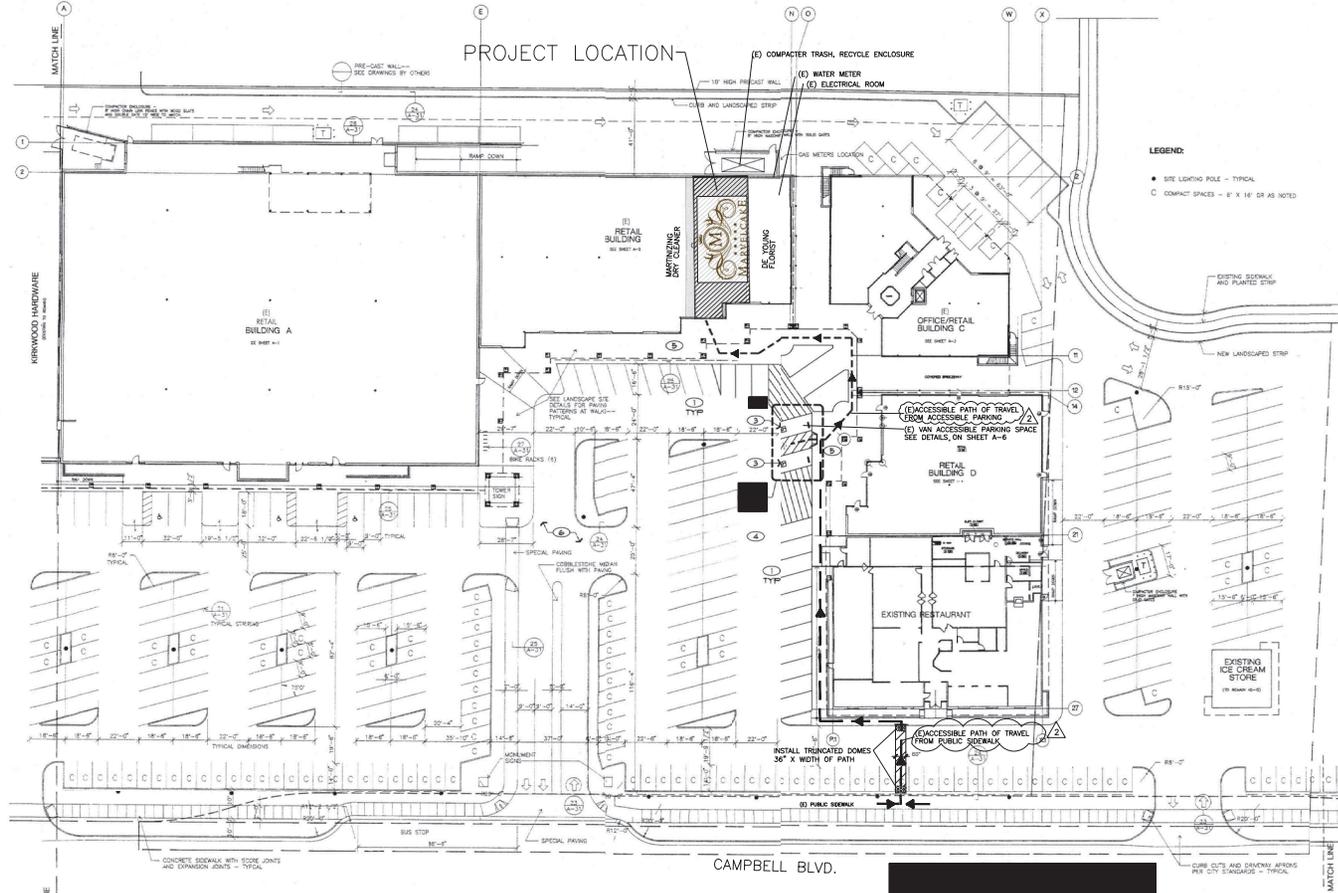
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CS



**LEGEND:**  
 • SITE LOCATING POLE - TYPICAL  
 C COMPACT SPACES - 8' X 16' OR AS NOTED

CAMPBELL BLVD.

**1. SITE PLAN**  
 SCALE: 1"=30'-0"

**SITE PLAN KEYNOTES**

INDICATED BY (X) ON THE DRAWINGS.

- 1. (E) PARKING STALL, TYP.
- 2. (E) ADA PARKING STALL.
- 3. (E) ASPHALT PAVING.
- 4. (E) CONC. WALK.
- 5. (E) PARKING AREA.

**LEGEND**

- PROPERTY LINE - SUBJECT PARCEL
- ACCESSIBLE PATH OF TRAVEL

NOTE: (E) PARKING INFORMATION IS FOR REFERENCE ONLY.



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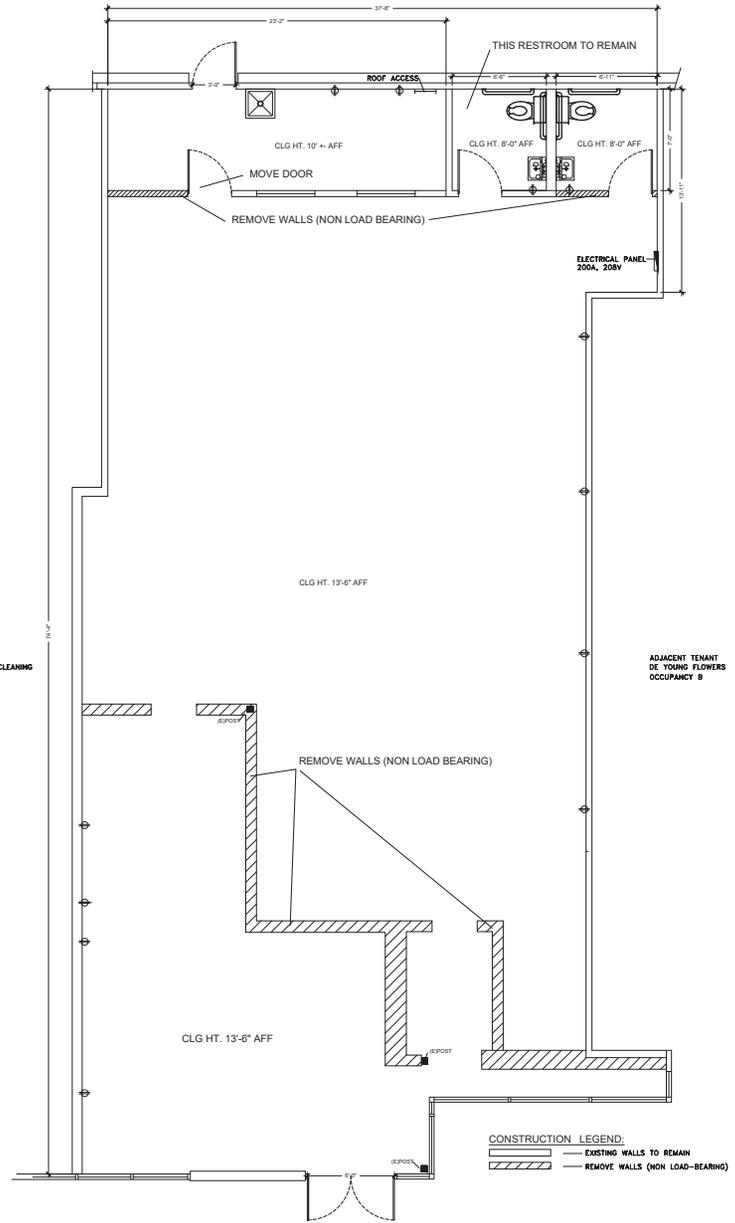


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**A-0**



**EXISTING FLOOR PLAN & DEMOLITION PLAN**

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

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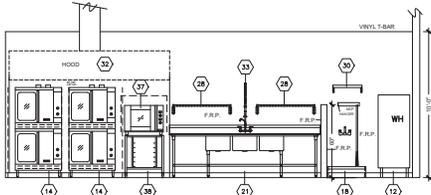


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 DJM



- INTERNATIONAL SYMBOL OF ACCESSIBILITY PER 2016 CBC LOCATED ON OR ADJACENT TO BLDG & ACCESSIBLE RESTROOM ENTRANCES.
- RED EXIT SIGN LETTERS ON WHITE BACKGROUND 120V WITH (2) 20TB-12F LAMPS AND BATTERY BACKUP.
- PROVIDE TACTILE EXIT SIGNAGE THAT COMPLIES WITH 2016 CBC, Section 1013.4, AT EACH GRADE LEVEL EXTERIOR EXIT DOOR WITH THE WORD "EXIT".

- ADDITIONAL FLOOR PLAN NOTES:**
- REFER TO THIS SHEET FOR EQUIPMENT ELEVATIONS.
  - DIMENSIONS ARE TO THE FINISH FACE OF GYPSUM BOARD.
  - REFER TO THE PLUMBING DRAWINGS FOR ALL FLOOR SINK, FLOOR DRAIN AND GREASE INTERCEPTOR LOCATIONS.
  - PROVIDE 5/8" PLYWOOD BLOCKING AT ALL SCHEDULED PARTITIONS WHERE WALL MOUNTED KITCHEN EQUIPMENT AND TOILET ACCESSORIES ARE SPECIFIED.



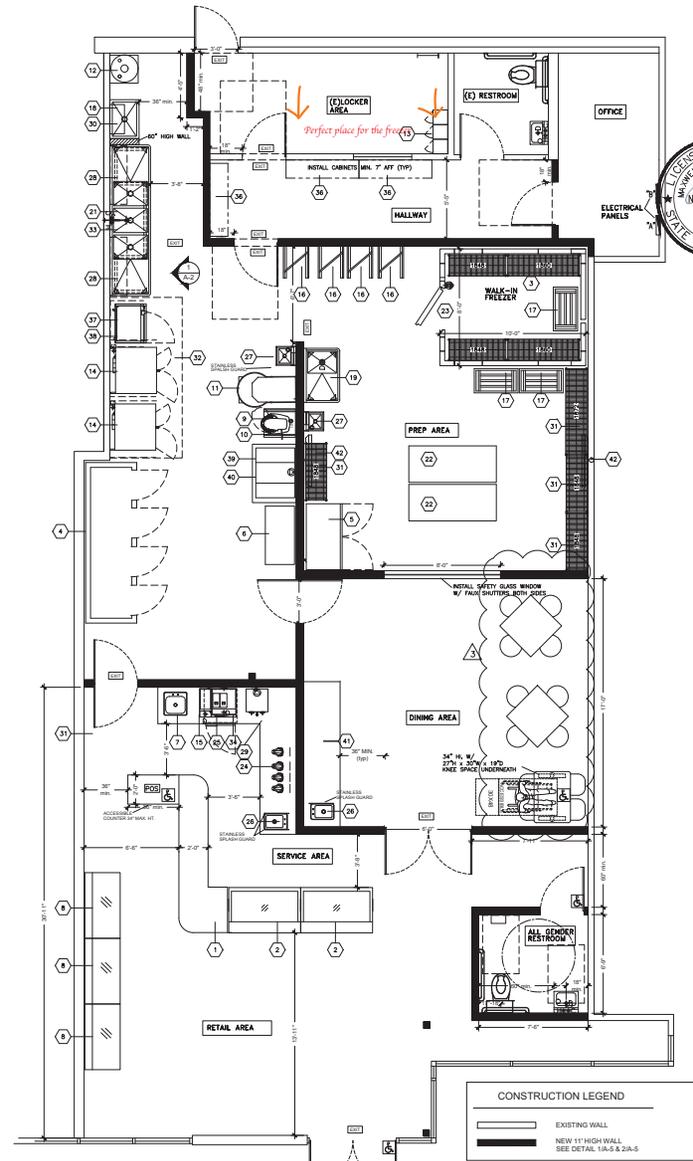
**1 EQUIPMENT ELEVATION**  
SCALE: 1/4" = 1'-0"

**EQUIPMENT NOTES:**

- EQUIPPED W APPROVED COMMERCIAL CASTERS & APPROVED HEAVY DUTY QUICK DISCONNECT FLEXIBLE GAS LINES W/ RESTRAINING CABLES.
- WATER HEATER TO BE ON 6" LEGS & STRAPPED TO WALL FOR SAFETY AND TIP RELIEF OVERFLOW DRAINING INDIRECT TO MOP SINK.
- ALL FLOOR MOUNTED EQUIPMENT SHALL BE PLACED ON APPROVED COMMERCIAL HEAVY DUTY CASTERS TO FACILITATE CLEANING OF FLOORS.
- ALL STORAGE SHELVING TO HAVE MIN. 6" MIN. HIGH LEGS TO FACILITATE CLEANING OF FLOORS. STORAGE SHELVING SHALL MEET NSF INTERNATIONAL OR EQUIVALENT STANDARDS AND BE STAINLESS STEEL FOR DRY STORAGE AND EPOXY COATED FOR WALK-IN REFRIGERATION/FREEZER STORAGE.
- INSTALL LEVER TYPE HANDLES ON ALL SINKS. ALL SINKS MUST HAVE HOT (MINIMUM 120 DEGREES F) AND COLD WATER AND MIXING FAUCETS.
- INSTALL HEAVY DUTY LIQUID SOAP AND PAPER TOWEL DISPENSERS ABOVE ALL HANDSINKS. PROVIDE AN APPROVED SMOOTH AND WASHABLE 6-INCH MIN. HEIGHT SPLASH SHIELD AT EACH SIDE OF HANDWASH SINKS.
- WALK-IN REFRIGERATOR OR FREEZER MUST BE COMPLETELY FLASHED TO THE BUILDING'S WALLS AND CEILING. THE AREAS ABOVE WALK-IN UNIT MAY NOT BE USED FOR STORAGE. ANY OPENINGS FOR VENTILATION IN THE FLASHING ABOVE THE WALK-IN UNIT MUST BE SCREENED WITH AT LEAST 16 MESH SCREEN. PROVIDE 2" AIR GAP BETWEEN PANELS AND WALLS.
- LOCKERS MUST BE INSTALLED ON MINIMUM 6-INCH HIGH EASILY CLEANABLE OPEN LEGS THAT PROVIDE A 6 INCH CLEAR SPACE BELOW THE LOCKERS, CANTILEVERED OFF THE WALL AT A MINIMUM HEIGHT OF 6 INCHES, OR MOUNTED ON A MINIMUM 4-INCH HIGH CONTINUOUSLY COVED CURB OR PLATFORM.
- WALL MOUNTED SHELVING MUST BE INSTALLED WITH PERMANENT, APPROVED BRACKETS. EXCEPT IN DINING AREAS, ADJUSTABLE TRACK-TYPE SHELVING BRACKETS ARE NOT ALLOWED. INSTALL 5/8" PLYWOOD BACKING THROUGHOUT WALL AT ALL WALL MOUNTED SHELVING AREAS.
- RESTROOM DOORS AND EXTERIOR DOORS TO BE SELF-CLOSING.
- COMPLETELY SEAL IN PLACE ON A 4" HIGH CURB WITH INTEGRAL COVE BASE WITH RADIUS CONTINUOUS WITH THE FLOOR.

**EQUIPMENT SCHEDULE**

Item No	Qty	Equipment Category	Model Number	Manufacturer	Equipment Remarks
1	1	Counter, Service		Custom Millwork	See Detail 3/A-5
2	2	Bakery Case, Non-Refrigerated	CLASSIC CN1500	Oscartek	See Equipment Note #3
3	LOT	Shelving, Wire	1860E	ISS Shelving or equal	See Equipment Note #4
4	1	Refrigeration, Reach-In, Modular	BEM-4-30	Master Blit or equal	See Equipment Note #11
5	1	Refrigerator, Reach-In	T-49	True Manufacturing Co., Inc.	See Equipment Note #3
6		Spare Number			
7	1	Sink, Dump	DI-1-168	Advance Tabco or equal	See Equipment Note #5
8	3	Display Case, Refrigerated	Brilliant 4'-6"	Advance Gourmet	
9	1	Stand, Slicer/Mixer	98001	New Age Industrial or equal	
10	1	Mixer, Counter	HL120	Hobart or equal	
11	1	Mixer, Spiral	HSL180	Hobart or equal	
12	1	Water Heater, Gas	Q75-75	Rheem or equal	See Equipment Note #2
13	3	Lockers, Employee	5-Tiers	Granger or equal	See Equipment Note #8
14	2	Oven, Convection, Gas	ICV-2	Imperial Range or equal	See Equipment Note #1
15	1	Counter, Beverage	Custom Millwork	Custom	
16	4	Rock, Bun Pan	401AN-HD	Channel Manufacturing or equal	
17	3	Dolly, Dunnage	MD2036CA	Channel Manufacturing or equal	
18	1	Sink, Mop	MOP-2820-12	Universal Stainless or equal	See Equipment Note #5
19	1	Sink, Prep	1N1824-LD24	Universal Stainless or equal	See Equipment Note #5
20	1	Shelf, Wall Mount	WS-15-120	Advance Tabco or equal	See Equipment Note #9
21	1	Sink, 3 Compartments	3SL2028-2030	Universal Stainless or equal	See Equipment Note #5
22	2	Table, Work, Flat Top w/o Undershef	TMG-306	Advance Tabco or equal	
23	1	Freezer, Walk-In Unit	8'-0" x 10'-0"	MasterBlit or equal	See Equipment Note #7
24	4	Mixer	13041.0001	Bunn-O-Matic or equal	
25	1	Espresso Machines, Auto, w/ Milk	43500.0013	Bunn-O-Matic or equal	
26	2	Sink, Hand, Drop-In	DI-1-10	Advance Tabco or equal	See Equipment Note #5 & #6
27	2	Sink, Hand, Wall Mount	CHS-4	Universal Stainless or equal	See Equipment Note #5 & #6
28	2	Shelf, Wire, Wall Mount	GWB1448C	Eagle Group/Metal Masters or eq	See Equipment Note #9
29	1	Coffee Maker, Satellite System	20900.0008	Bunn-O-Matic or equal	
30	1	Shelf, Wall Mount, Janitor	WS-12-24	Advance Tabco or equal	See Equipment Note #9
31	LOT	Shelving, Wire	1860S, 5-Tiers	ISS Shelving or equal	See Equipment Note #4
32	1	Type II Exhaust Hood System		Captive Aire	See Sheet M-1 thru M-3
33	1	Pre-Rinse Deck Mount	2110-WB	Flsher or equal	
34	1	Refrigerator, Undercounter	UCR27A	Beverage-Air or equal	See Equipment Note #3
35	1	Grease Interceptor	GB-35	Schier (Install Flush w/Finish Floor)	See Sheet P-1 for Location
36	3	Wall Cabinet	WCS-60	Eagle Group/Metal Masters or eq	Mount at min. 7" AFF
37	1	Oven, Convection, Half-Size, Electric	E31D4	Moffet or equal	
38	1	Stand, Oven	SK2731U	Moffet or equal	
39	1	Sheeter, Fondant	CDR-600	Somersset or equal	
40	1	Table, Work, Flat Top w/ Undershef	AG-364	Table, Work, Flat Top w/Undershef	
41	1	Counter, Dining Room	10' x 30"	Custom Millwork	
42	2	TV		By Owner	



NOTE: REFER TO SHEET A-3 FOR DOOR SCHEDULE

**PROPOSED FLOOR PLAN**  
SCALE: 1/4" = 1'-0"



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6/11/19		1
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REGISTERED ARCHITECT  
MARVELCAKE ARCHITECTURE  
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**A-2**



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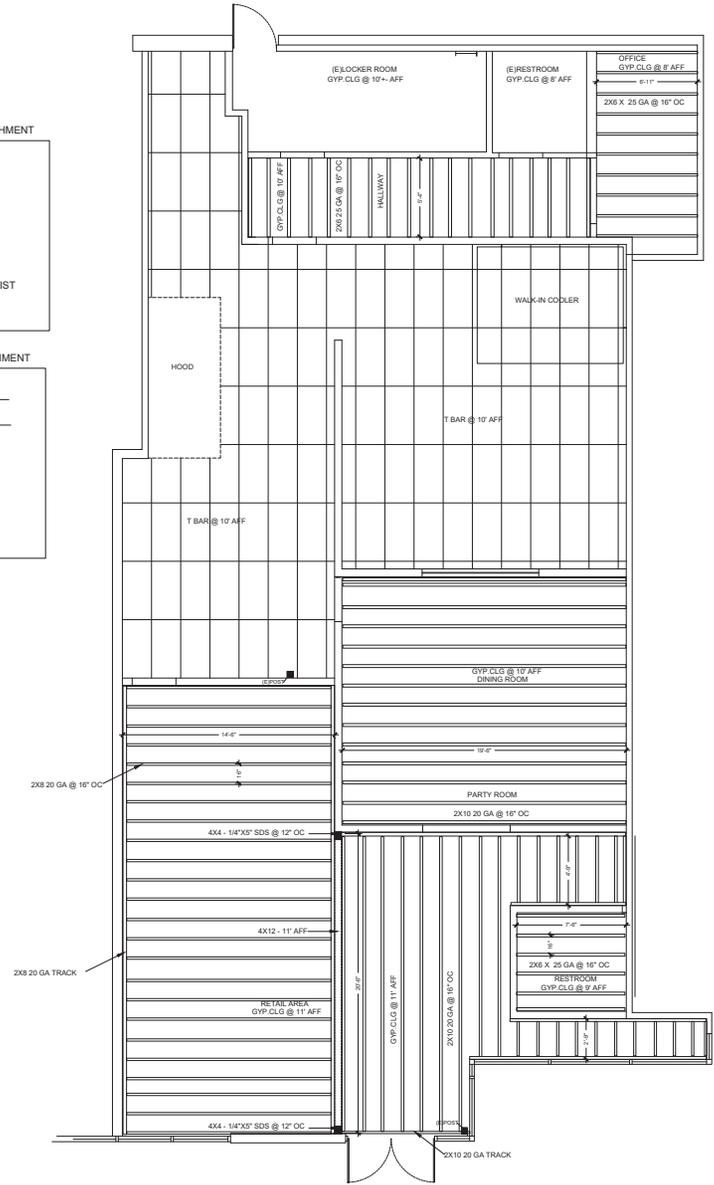
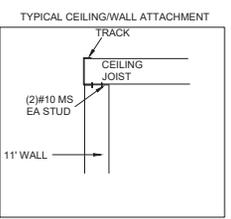
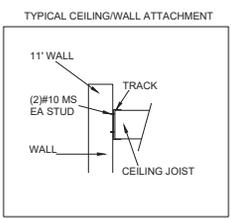


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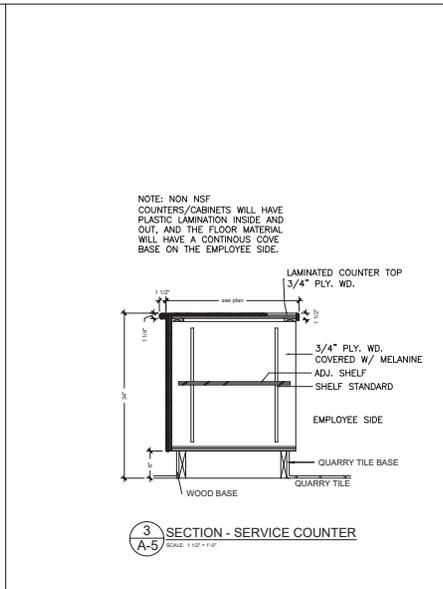
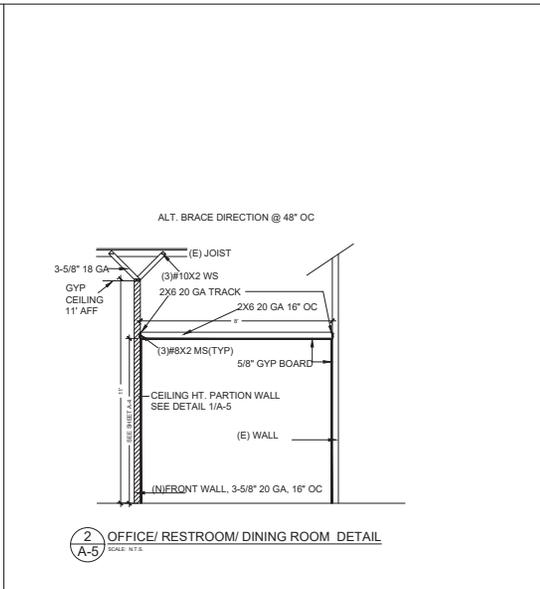
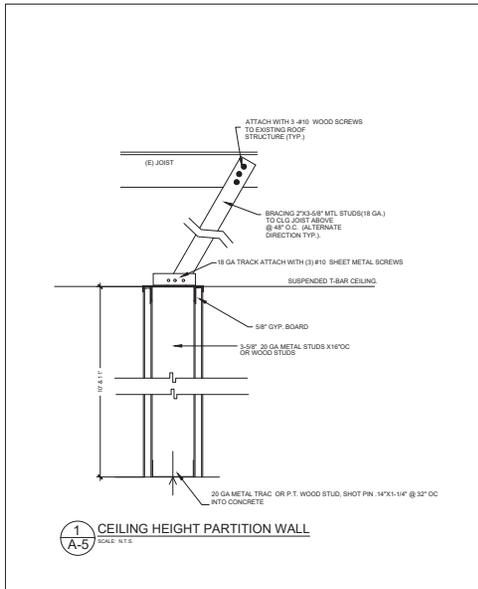
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**A-4**



**GYP CEILING DETAIL & PLAN**  
 SCALE: 1/4" = 1'-0"



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6/11/19		1
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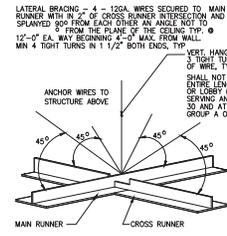
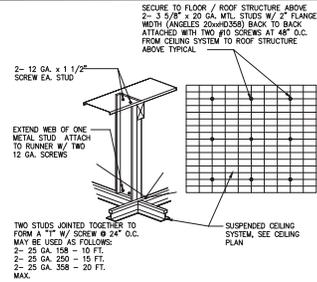
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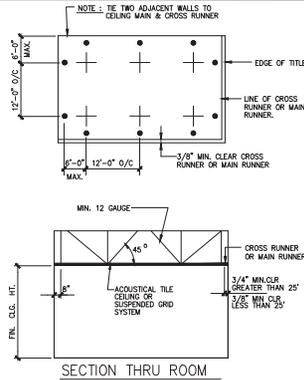
**A-5**





PROVIDE COMPRESSION STRUT AT EACH GROUP OF DIAGONAL WIRES  
ALL SUSPENDED CEILING SHALL COMPLY W/ UBC TABLE 47A & 23P

NOTE: CEILING CANNOT BE SUPPORTED BY OR CONNECTED TO THE GRABBAR HOOD.  
THE CEILING SHALL BE FIRE-RESISTANCE RATED FOR 1 HOUR FROM HOOD.



1. INSTALL NEW CEILING GRID USING 12GA. SPAY WIRE HANGERS AT 45 DEGREES AND 90 DEGREES TO EACH OTHER (4 WIRES) BEGINNING 48\"/>
2. CEILING TILES TO BE MINERAL TILES WITH UL LABEL & HAVING A FRAME AROUND 25 LBS OR LESS.
3. NOTE: COMPRESSION POSTS @ 12'-0\"/>

NOTE: WHEN INSTALLED AND SUPPORTED BY SUSPENDED CEILING, THE CEILING SHALL MEET ASTM G16, STANDARD SPECIFICATIONS FOR THE MANUFACTURE, PERFORMANCE, AND TESTING OF METAL SUSPENSION SYSTEMS FOR ACOUSTICAL TILE AND LAY-IN PANEL CEILING, AND SHALL BE INSTALLED IN ACCORDANCE WITH ASTM C1181, STANDARD PRACTICES FOR INSTALLATION OF METAL CEILING SUSPENSION SYSTEMS FOR ACOUSTICAL TILE AND LAY-IN PANELS (2016 NFPA 11, 9.2.1.3.3.2).

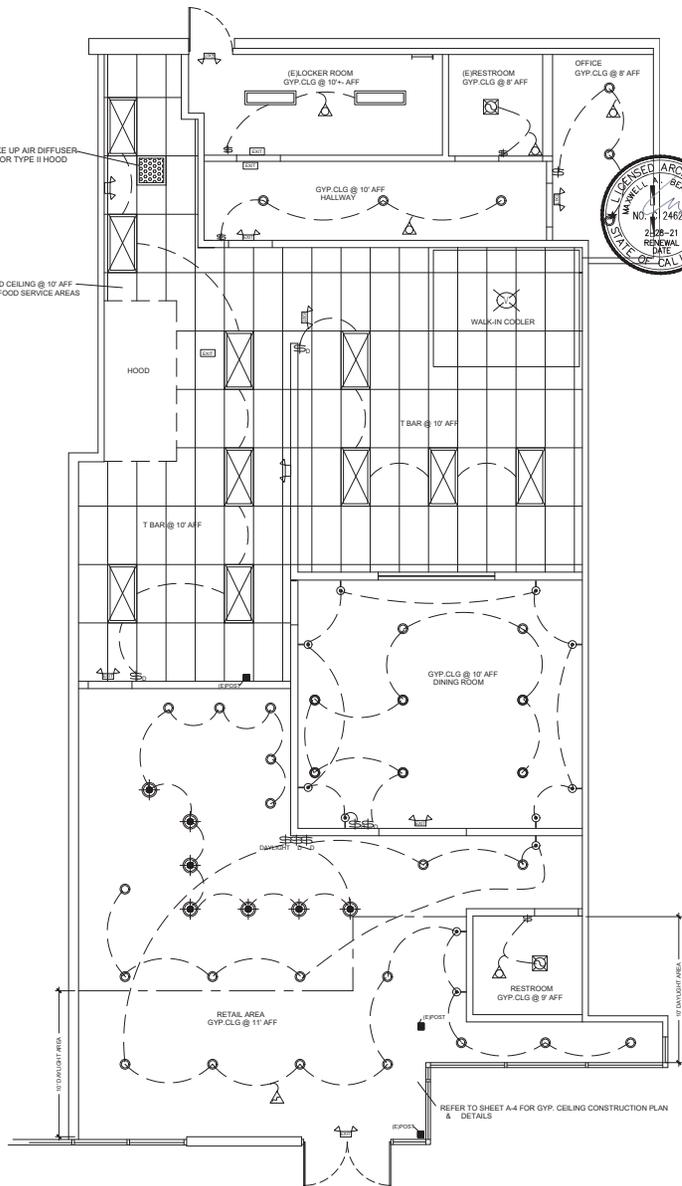
## SUSPENDED CEILING DETAILS

### HEALTH DEPARTMENT REQUIREMENTS:

1. IN EVERY ROOM AND AREA IN WHICH ANY FOOD IS PREPARED, MANUFACTURED, PROCESSED OR PREPACKAGED, OR IN WHICH EQUIPMENT OR UTENSILS ARE CLEANED, SUFFICIENT NATURAL OR ARTIFICIAL LIGHTING SHALL BE PROVIDED TO PRODUCE THE FOLLOWING LIGHT INTENSITY, WHILE THE AREA IS IN USE.
  - (A) AT LEAST 10-FOOT-CANDELES AT A DISTANCE OF 30 INCHES ABOVE THE FLOOR, IN WALK-IN REFRIGERATION UNITS AND DRY FOOD STORAGE AREAS.
  - (B) AT LEAST 20-FOOT-CANDELES FOR THE FOLLOWING:
    - 1) AT A SURFACE WHERE FOOD IS PROVIDED FOR CONSUMER SELF-SERVICE OR WHERE FRESH PRODUCE OR PREPACKAGED FOODS ARE SOLD OR OFFERED FOR CONSUMPTION.
    - 2) INSIDE EQUIPMENT INCLUDING, BUT NOT LIMITED TO, FREEZERS, REACH-IN AND UNDER-COUNTER REFRIGERATORS, HOT-HOLD EQUIPMENT AND OVENS.
    - 3) AT A DISTANCE OF 30 INCHES ABOVE THE FLOOR IN AREAS USED FOR HANDWASHING, WAREWASHING, AND EQUIPMENT AND UTENSIL STORAGE, AND IN TOILET ROOMS.
  - (C) AT LEAST 50-FOOT-CANDELES OF LIGHT AT SURFACES WHERE FOOD EMPLOYEES WILL BE WORKING WITH FOOD OR WORKING WITH UTENSILS OR EQUIPMENT SUCH AS KNIVES, SLICERS, GRINDERS, OR SAWS WHERE EMPLOYEE SAFETY IS A FACTOR AND IN OTHER AREAS AND ROOMS DURING PERIODS OF CLEANING.
2. LIGHTS MUST BE PROVIDED WITH SHATTERPROOF PROTECTION OR CONTAINMENT WHEN LOCATED OVER AREAS USED FOR FOOD PREPARATION (INCLUDING BEVERAGES), UTENSIL WASHING, OPENED FOOD STORAGE, AND WHERE THE LIGHT FIXTURES ARE EXPOSED TO EMPLOYEE CONTACT (E.G. INSIDE REFRIGERATION UNITS).

### LIGHTING FIXTURE SCHEDULE:

- |      |  |   |
|------|--|---|
| (10) |  | ELITE: 2X4 LED TROFFER 4000 LUMEN, #24-01 LED-4000-DIM1 (40W), 2 LAMP, LED  |
| (2)  |  | 15" X 4" SURFACE MOUNTED LED FIXTURE, DIMMABLE, LED LAMP WITH ACRYLIC PRISM LENS; (C7W TOTAL), LITHONIA LIGHTING STL4 20L E21 LP840 |
| (33) |  | 5" RECESSED CAN, (10W) LED LAMP, DIMMABLE   |
| (11) |  | WALL SCONCE, LED (10W), DIMMABLE  |
| (7)  |  | PENDANT, (10W) LED LAMP, DIMMABLE   |
|      |  | EMERGENCY LIGHT WITH MOUNTED HALO SUBE-LITES BLC SERIES DOUBLE CYLINDER UNITS WITH TUNGSTEN HALOGEN LAMPS, BATTERY OPERATED.        |
|      |  | RED EXIT SIGN LETTERS ON WHITE BACKGROUND, 120V (2) 20T6-120F LAMPS AND BATTERY BACKUP.   |
|      |  | SINGLE POLE SWITCH  |
|      |  | SINGLE POLE SWITCH WITH DIMMER  |
| (5)  |  | ON/OFF MOTION SENSOR  |
| (1)  |  | DAYLIGHT AUTO DIMMER SWITCH   |
| (2)  |  | CEILING MOUNTED EXHAUST FANLIGHT COMBO-BROAN #607 120V, 2AMP, 70 CFM, 4\"/>   |



## REFLECTIVE CEILING PLAN

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

REV.	DATE	NO.
6/11/19		1
6/24/19		2



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D. MANKIN / JACB / FSD

1614 WEST CAMPBELL AVE.  
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DWG DATE:  
5/9/19

DRAWN BY:  
DJM

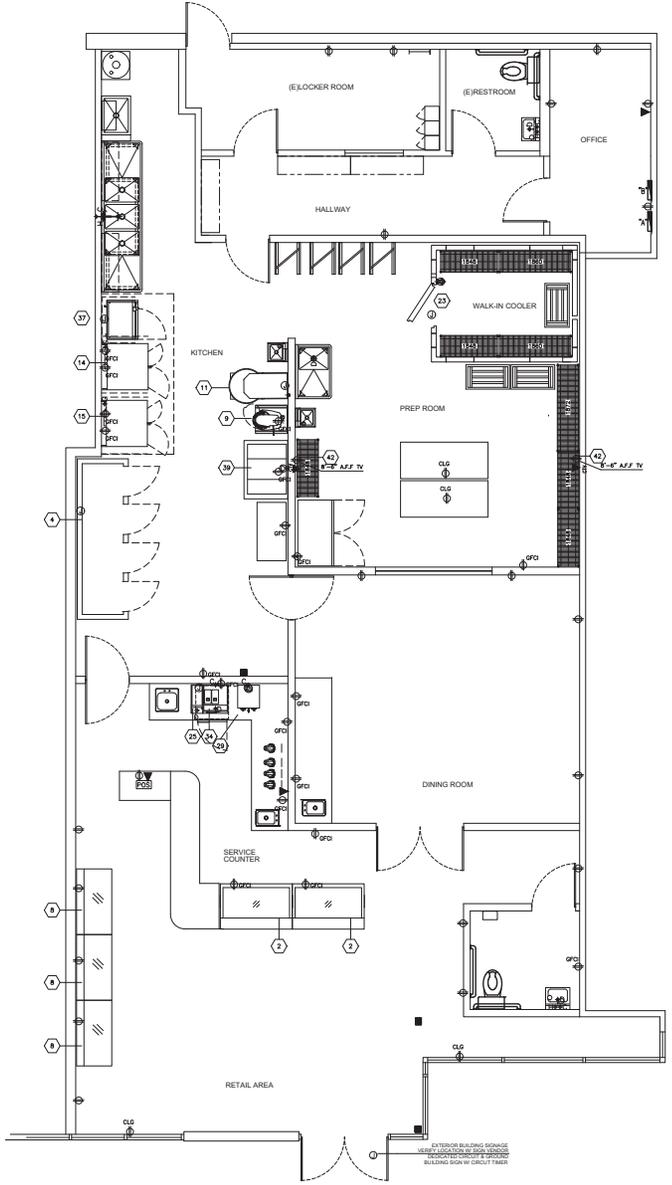


E-I

CONDUCTOR SIZES: USE #12 WIRE UNLESS OTHERWISE SPECIFIED  
 CONDUIT SIZES: USE 1/2" EMT OR FLEX UNLESS OTHERWISE SPECIFIED

**SYMBOL LEGEND**

	QUAD WALL OUTLET, MOUNTING HEIGHT AS INDICATED PER PLAN.
	DUPLEX WALL OUTLET, MOUNTING HEIGHT AS INDICATED PER PLAN.
	220V DUPLEX WALL OUTLET, MOUNTING HEIGHT AS INDICATED PER PLAN.
	120V CEILING MOUNTED DUPLEX OUTLET; MOUNT ABOVE SHOW WINDOW. OUTLET & PLATE COVER SHALL MATCH CEILING, MOUNT PARALLEL WITH STORE FRONT.
	ELECTRICAL 1/2 BOX, MOUNTING HEIGHT AS INDICATED PER PLAN
	C5 DATA LINE
	PHONE DATA LINE
	GFCI GROUND FAULT PROTECTED OUTLET (NOTE: ALL KITCHEN, RESTROOM, OUTDOOR AND ROOF OUTLETS TO BE GFCI PROTECTED)
	WEATHERPROOF DUPLEX CONVENIENCE OUTLET, 115V/1A UNLESS OTHERWISE NOTED (ROOF OUTLETS)*



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



REV. DATE	NO.
6/11/19	1
6/24/19	2

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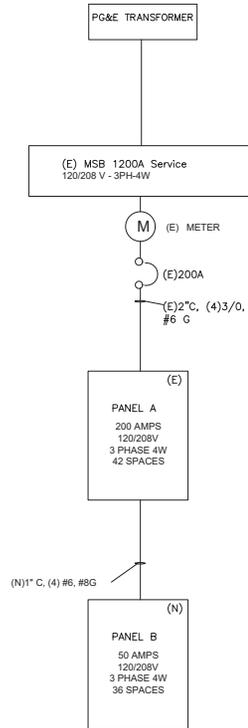
DRAWN BY:  
 DJM



**E-2**

LIGHTING - 2.2 KVA X 1.25 = 2.8 KVA  
 25% OF LARGEST MOTOR - 7.0 X .25 = 1.8 KVA  
 SHOW WINDOW - 2.0 KVA X 1.25 = 2.5 KVA  
 OUTLETS - 6.0 KVA X 1.0 = 6.0 KVA  
 HOOD FANS - 2.6 KVA X 1.0 = 2.6 KVA  
 HVAC - 9.6 KVA X 1.0 = 9.6 KVA  
 APPLIANCES 40.7 X .65 = 26.5 KVA  
 TOTAL POWER LOAD - 51.8 KVA/360= 144A

POWER LOAD CALCULATIONS



EQUIPMENT SCHEDULE									
Item No	Qty	Equipment Category	Amps	KW	Volts	Cycle	Phase	HP	
2	2	Bakery Case, Non-Refrigerated	0.3	120	60	1			
4	1	Refrigerator, Reach-in, Modular	2.4	208	60	3			
5	1	Refrigerator, Reach-in	5.8	0.7	115	60	1	0.5	
8	3	Display Case, Refrigerated	1.2	208	60	3			
10	1	Mixer, Counter	1.0	120	60	1	0.5		
11	1	Mixer, Spiral	34.0	7.0	208	60	3		
14	2	Oven, Convection, Double, Gas	9.0	1.1	120	60	1	0.5	x4
23	1	Cooler, Walk-in (Evap & Lights)	0.7	115	60	1			
		Compressor (Walk-in Cooler)	3.0	208	60	3			
25	1	Espresso Machines, Automatic, w/Milk	30.0	6.3	208	60	3		
29	1	Coffee Maker, Satellite System	28.8	6.0	208	60	3		
34	1	Refrigerator, Undercounter	4.0	0.5	115	60	1	0.2	
39	1	Sheeter, Dough	1.5	115	60	1	0.75		
37	1	Oven, Convection, Electric	13.9	2.9	208	60	1		
42	2	TV	0.2	120	60	1			40.7 appliances
		POS	0.2	115	60	1			
1	1	MUA Fan for Type II Hood	1.6	115	60	1			15.9 outlets
1	1	Exhaust Fan for Typr II Hood	1.0	115	60	1			
2	2	Restroom Light and Fan	0.6	115	60	1			6.0 outlets
2	2	(E) HVAC RTU 5 Ton	4.8	208	60	3	5		
2	2	Show Window Outlets	1.0	120	60	1			
1	1	Exterior Sign	0.3	115	60	1			
		Office Outlets	0.8	115	60	1			
		Kitchen Outlets	1.2	115	60	1			
		Restroom Outlet	0.3	115	60	1			
		Locker Room Hallway Outlets	0.6	115	60	1			
		Dining Room Outlets	0.6	115	60	1			
		Prep Room Outlets	1.0	115	60	1			
		Service Area Outlets	0.6	115	60	1			
		Retail Area Outlets	0.6	115	60	1			
		Lights, Hallway/ Lockerroom	0.4	115	60	1			
		Lights, Service Area/ Showroom	0.6	115	60	1			
		Lights, Dining Room	0.4	115	60	1			
		Lights, Kitchen/ Prep	0.6	115	60	1			
		Lights, Office	0.1	115	60	1			

TOTAL = 61.2 KW  
 KITCHEN APPLIANCES = 40.7 KW

PANEL A																	
TYPE: NEMA 1			A.I.C. RATING: 10K			MAIN: MLO											
VOLTAGE: 120/ 208V			SOURCE: (E) MAIN SWITCH BOARD			MTG: SURFACE											
BUS: 200A			LOCATION: OFFICE			AC SYSTEM: 3 PHASE, 4-WIRE											
LOAD SERVED	BREAKER NO.	PHASE	PHASE			PHASE			BREAKER NO.	LOAD SERVED							
			KVA	A	B	C	KVA	A			B	C					
Compressor (Walk-in Cooler)	1	30	3	1.0			2.3		3	60	2						
#10W, 1/2" C	3	30	3	1.0			2.3		3	60	4						Mixer, Spiral #FW, 1" C
Evap (Walk-in Cooler)	7	20	1	0.7			0.8		2.4	3	60	6					
Bakery Case, Non-Refrigerated	9	20	1	0.6			0.8		3	30	8						Refrigerator, Reach-in, Modular
Refrigerator, Reach-in	11	20	1				0.7		0.8	3	30	12					
TV (2)	13	20	1	0.4			2.1		1	20	14						
Mixer, Counter	15	20	1				1.0		2.1	1	20	16					Espresso Machines
Oven, Convection, Double, Gas	17	20	1				1.1		2.1	1	20	18					
Oven, Convection, Double, Gas	19	20	1				1.1		2.0	1	20	20					Coffee Maker, Satellite System
Oven, Convection, Double, Gas	21	20	1				1.1		2.0	1	20	22					
Oven, Convection, Double, Gas	23	20	1				1.1		2.0	1	20	24					
Refrigerator, Undercounter	25	20	1	0.5			1.0		1.0	1	20	26					
Sheeter, Dough	27	20	1	1.5			1.0		1.0	20	28						Oven, Convection, Electric
POS	29	20	1				0.2		0.9	20	30						
(E)HVAC1	31	40	3				1.6		1.0	30	32						MUA Fan for Type II Hood
	33	40	3				1.6		1.0	30	34						Exhaust Fan for Typr II Hood
	35	40	3				1.6		0.3	1	20	36					Exterior Sign
(E)HVAC2	37	40	3	1.6			5.2		3	50	38						PANEL B
	39	40	3	1.6			4.3		3	50	40						
	41	40	3	1.6			4.5		3	50	42						

CONNECTED LOAD TOTAL = 61.2 KW = 170 Amps  
 PHASE A: 20.3  
 PHASE B: 20.6  
 PHASE C: 20.3

PANEL B																	
TYPE: NEMA 1			A.I.C. RATING: 10K			MAIN: MLO											
VOLTAGE: 120/ 208V			SOURCE: PANEL A			MTG: SURFACE											
BUS: 50A			LOCATION: OFFICE			AC SYSTEM: 3 PHASE, 4-WIRE											
LOAD SERVED	BREAKER NO.	PHASE	PHASE			PHASE			BREAKER NO.	LOAD SERVED							
			KVA	A	B	C	KVA	A			B	C					
Restroom Light and Fan (2)	1	20	1	0.6			0.4		1	20	2						Lights, Hallway/ Lockerroom
Show Window Outlets	3	20	1				1.0		0.6	1	20	4					Lights, Service Area/ Showroom
Show Window Outlets	5	20	1				1.0		0.4	20	6						Lights, Dining Room
Kitchen Outlets	7	20	1	1.2					0.6	1	20	8					Lights, Kitchen/ Prep
Office Outlets	9	20	1	0.8					0.1	20	10						Lights, Office
Restroom Outlet	11	20	1				0.3		0.6	20	12						Retail Area Outlets
Hallway/ Locker Room Outlets	13	20	1	0.6					0.6	20	14						Service Area Outlets
Dining Room Outlets	15	20	1	0.6					1.2	20	16						Display Case, Refrigerated
Prep Room Outlets	17	20	1				1.0		1.2	20	18						Display Case, Refrigerated
	19	20	1						1.2	20	20						Display Case, Refrigerated
	21										22						
	23										24						
	25										26						
	27										28						
	29										30						
	31										32						
	33										34						
	35										36						

CONNECTED LOAD TOTAL = 14.0 KW = 39 Amps  
 PHASE A: 5.2  
 PHASE B: 4.3  
 PHASE C: 4.5



REV. DATE	NO.
6/11/19	1
6/24/19	2

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DWG DATE:  
 5/9/19  
 DRAWN BY:  
 RDO



**HOOD INFORMATION - Job#3806995**

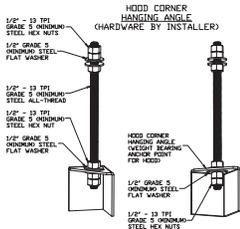
HOOD NO.	TAG	MODEL	LENGTH	COOKING TEMP.	TOTAL EXH. CFM	EXHAUST PLENUM RISER(S)						HOOD CONSTRUCTION	HOOD CONFIG.		
						WIDTH	LENG.	HEIGHT	DIA.	CFM	VEL.		S.P.	END TO END	RDV
1		6024 VHB-ND	11' 0"	700 Deg.	1650			4'	16'	1650	1182	-0.143"	430 SS 100%	ALONE	ALONE

**HOOD INFORMATION**

HOOD NO.	TAG	FILTER(S)			LIGHT(S)			UTILITY CABINET(S)				FIRE SYSTEM PIPING	HOOD WGT	
		TYPE	QTY.	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY.	TYPE	WIRE GUARD	LOCATION	SIZE			FIRE SYSTEM
1							4	L55 Series E26	ND				ND	366 LBS

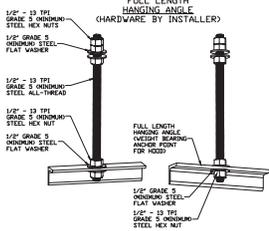
**HOOD OPTIONS**

HOOD NO.	TAG	OPTION
1		BACKSPLASH 80.00" High X 132.00" Long 430 SS Vertical



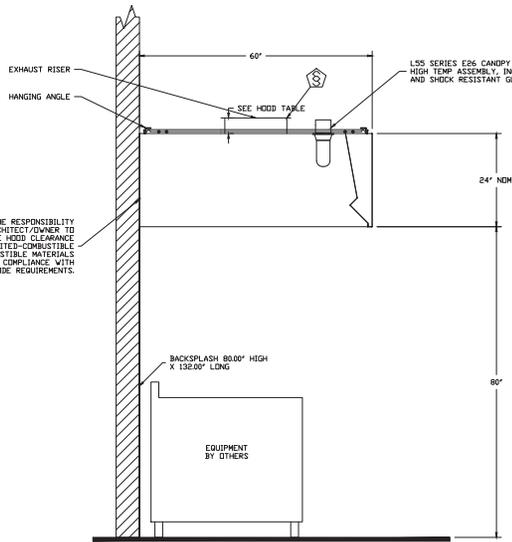
**ASSEMBLY INSTRUCTIONS**

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

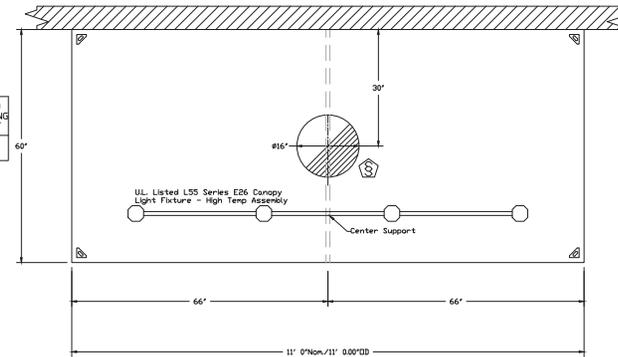


**ASSEMBLY INSTRUCTIONS**

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**SECTION VIEW - MODEL 6024VHB-ND HOOD - #1**



**PLAN VIEW - Hood #1 11' 0.00\"/>**

DEMONSTRATIONS ARE AVAILABLE AT THE CALIFORNIA BAY AREA DISPLAY CENTER FOR PRICES AND QUESTIONS, CALL THOMAS THAI REFERENCE JOB# 3806995 REG91@CAPTIVEAIRE.COM PHONE: (415) 956-2200 FAX: (919) 227-5940

**REVISIONS**

NO.	DESCRIPTION	DATE

**CAPTIVEAIRE**  
 www.captiveaire.com  
 Central CA  
 8 Adrian Court, Burlingame, CA, 94010 PHONE: (415) 956-2200 FAX: (919) 227-5940 EMAIL: reg91@captiveaire.com

MarvelCoke - Campbell, CA  
 1614 WEST CAMPBELL AVE.,  
 CAMPBELL, CA, 95008

**DATE:** 5/7/2019

**DWG.#:** 3806995

**DRAWN BY:** TT-91

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

**MASTER DRAWING**

**SHEET NO.**  
M-1

FOR QUESTIONS, CALL THE CAPTIVEAIRE SYSTEMS CENTRAL CALIFORNIA OFFICE  
**Region 91**  
 8 ADRIAN COURT  
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 PHONE: (415) 956-2200  
 EMAIL: REG91@CAPTIVEAIRE.COM

INTERTEK  
 NEMA #96  
 UL 710 & IEC 60335-1  
 ETL LISTED 305804-001

UL LISTED  
 NEMA #96  
 NSF STANDARD #2  
 UL STANDARD #486  
 INT. MESH CODE: (M)

**EXHAUST FAN INFORMATION - Job#3806995**

FAN UNIT NO.	TAG	FAN UNIT MODEL #	CFM	ESP.	RPM	H.P.	B.H.P.	#	VOLT.	FLA	DISCHARGE VELOCITY	WEIGHT (LBS.)	SIZES
1	KEF-1	DUR99FA	1650	0.500	1076	0.750	0.2479	1	115	8.8	582 FPM	85	10.2

**MUA FAN INFORMATION - Job#3806995**

FAN UNIT NO.	TAG	FAN UNIT MODEL #	BLOWER HOUSING	MIN CFM	DESIGN CFM	ESP.	RPM	H.P.	B.H.P.	#	VOLT.	FLA	WEIGHT (LBS.)	SIZES	
2	SF-1	AI-15D	50W-1-MD	AI	0	1485	0.500	1511	1.000	0.5630	1	115	10.2	22.4	17.4

**FAN OPTIONS**

FAN UNIT NO.	TAG	OPTION (Qty. - Descr.)
1	KEF-1	1 - ECM Wiring Package-Exhaust - Manual or 0-10VDC Reference Speed Control (NIDEC Motor)
2	SF-1	1 - ECM Wiring Package-Supply - Manual or 0-10VDC Reference Speed Control (NIDEC Motor)

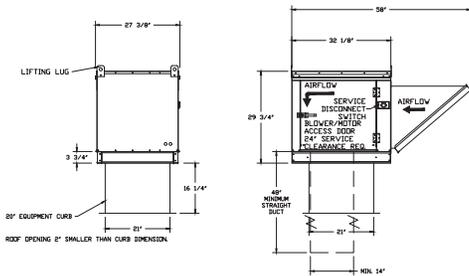
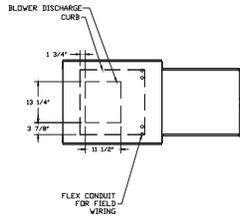
**FAN ACCESSORIES**

FAN UNIT NO.	TAG	EXHAUST	SUPPLY
		GREASE DAMPER GRAVITY WALL DISCHARGE	GRAVITY DAMPER MOTORIZED DAMPER WALL MOUNT
1	KEF-1		
2	SF-1		

**CURB ASSEMBLIES**

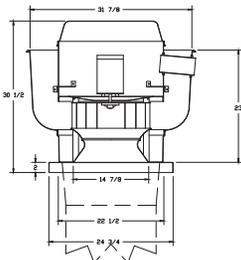
NO.	IN. FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	KEF-1	32 LBS	Curb	23.000"W x 23.000"L x 20.000"H Vented
2	# 2	SF-1	29 LBS	Curb	21.000"W x 21.000"L x 20.000"H

FAN #1 ALSO = SUPPLY FAN (SF-1)  
 1. UNMARKED SUPPLY UNIT WITH DIRECT DRIVE FAN IN SIZE H HOUSING  
 2. DRIVE HOOD WITH 1/2" FILTER SCREEN CFM  
 3. DOWN DISCHARGE AIR FLOW (1) LEFT  
 4. ECM WIRING PACKAGE AND MANUAL OR 0-10VDC CONTROL FOR SUPPLY ECM MOTORS. RTC CONTROLLER #40 NOT ORDER UNDER WARRANTY. SEE PART NUMBER COM-VOL-RTCM.  
 NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SPINA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT. MINIMUM UNLESS OTHERWISE SPECIFIED. DO NOT RELY ON DUCT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE BLOWER/RTM CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT. SUGGESTED STRAIGHT DUCT SIZE IS 14" x 14" x 40' LONG.



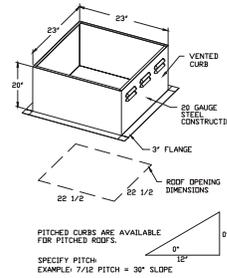
PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.  
 SPECIFY PITCH  
 EXAMPLE: 7/12 PITCH = 30° SLOPE

**FAN #1 BLOWER - EXHAUST FAN (KEF-1)**



- FEATURES:**
- DIRECT DRIVE CONSTRUCTION ON BELTS-PALLEYS
  - ROOF MOUNTED FANS
  - RESTAURANT MODEL
  - UL70
  - VARIABLE SPEED CONTROL
  - INTERNAL WIRING
  - WEATHERPROOF RECONNECT
  - THERMAL OVERLOAD PROTECTION (THERMAL PHASE)
  - HIGH HEAT OPERATOR (HVO) (HVP)
- NORMAL TEMPERATURE TEST**  
 EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (150°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETRIMENTARY EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

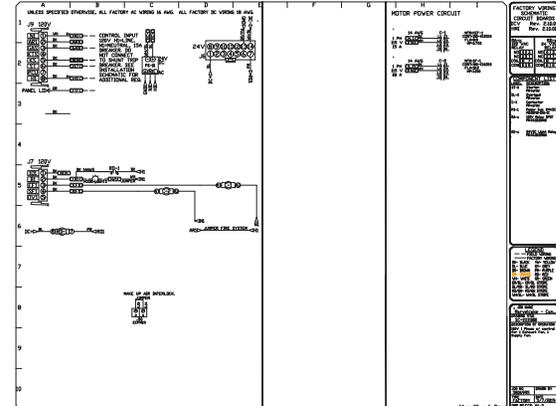
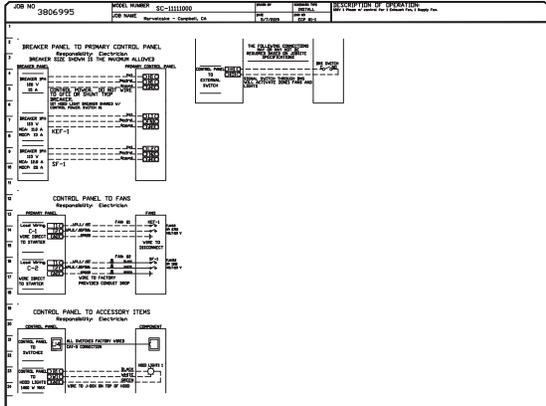
**NOTES:**  
 FOR WIRING PACKAGE-EXHAUST - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL. NIDEC MOTOR.



PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.  
 SPECIFY PITCH  
 EXAMPLE: 7/12 PITCH = 30° SLOPE

**ELECTRICAL PACKAGE - Job#3806995**

NO.	TAG	PACKAGE #	LOCATION	SWITCHES	OPTION	FANS CONTROLLED
1		SC-103000	Wall Mount In SS Box	1 50A 1 150A 1 Fan	Smart Controls Basic	FAN TAG TYPE I SPD. VOLT. FLA KEF-1 Smart 1 0.750 115 8.8 SF-1 Supply 1 1.000 115 10.2



**REVISIONS**

NO.	DESCRIPTION	DATE



Marvelcake - Campbell, CA  
 1614 WEST CAMPBELL AVE.,  
 CAMPBELL, CA, 95008

DATE: 5/7/2019  
 DWG.#: 3806995  
 DRAWN BY: TT-91  
 SCALE: 3/4" = 1'-0"  
 MASTER DRAWING

DEMONSTRATIONS ARE AVAILABLE AT THE CALIFORNIA BAY AREA DISPLAY CENTER FOR PRICES AND QUESTIONS, CALL THOMAS THAI  
 REFERENCE JOB# 3806995  
 REG918@CAPTIVEAIRE.COM  
 PHONE: (415) 956-2500 FAX: (919) 227-5940

DuctWork #1 Parts - Job#3806995

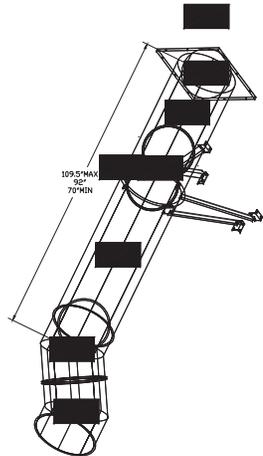
Tag	Part #	CFM	S.P.	Weight	Velocity	QTY	Description
P1	DV1645ASY	1650	-0.0227	8.68	1181.73	1	Single Wall Duct 45 Degree Elbow, 16' Duct, Assembly.
P2	DV1645ASY	1650	-0.0325	8.68	1181.73	1	Single Wall Duct 45 Degree Elbow, 16' Duct, Assembly.
P3	DV1647LT	1650	-0.0084	24.89	1181.73	1	Single Wall Duct 16' diameter, 47' long, Flange at both ends. Stainless Steel.
P4	DV1611LT	1650	-0.002	6.16	1181.73	1	Single Wall Duct 16' diameter, 11' long, Flange at both ends. Stainless Steel.
P5	DV164BAJDKIT	1650	-0.0046	30.39	1181.73	1	Single Wall Duct Adjustable, 16' diameter, 47.5' long, Flange at one end With a 16' Adjustable Collar - Stainless Steel.
P6	DV16VESU8			22.96		1	Duct Vertical Support Assembly, 16' Duct, 18" Clearance To Combustibles. Parts are Zinc Coated.
P7	DV1916TPDBEX	1650	0	7.50	1181.73	1	Duct to Curb Transition 3/4" Down Turn, 19-1/2" Curb to 16" Duct, 16 GA Aluminized. For Use With Exhaust Fans.
Assembled w/P7		1650	-0.2132				
Assembled w/P5							
System at P7							
	3M-2000PLUS			0.80		2	Duct - 3M Fire Barrier 2000 Plus Silicone - Used as sealant to Seal Duct Joints.
	DV16CLASY			1.50		5	Duct 'V' Clamp With new design 14 Go Brackets, 16' Duct, Assembly.
Total Weight				118.36			

SINGLE WALL FACTORY BUILT DUCTWORK

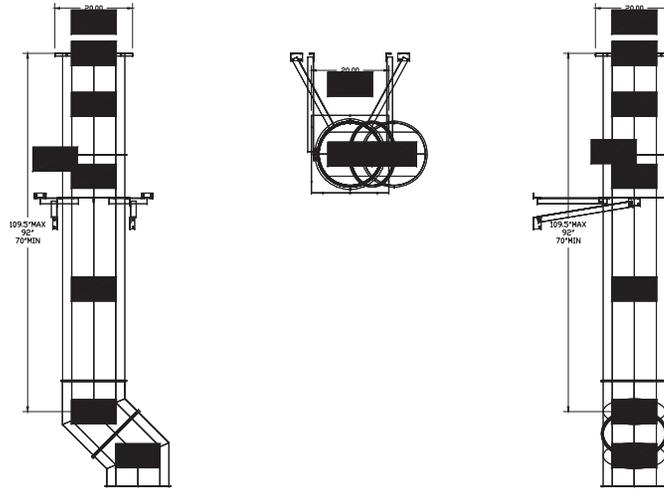
- ALL DUCTWORK IS REQUIRED TO BE INSTALLED WITH THE MAXIMUM SUPPORT SPACING LISTED BELOW.
- FOR A COMPLETE LIST OF APPROVED SUPPORT METHODS, SEE THE INSTALLATION AND OPERATION MANUAL.
- DUCTWORK SHALL SLOPE NOT LESS THAN 1/16" PER LINEAR FOOT TOWARDS THE HOOD OR AN APPROVED GREASE COLLECTION RESERVOIR.
- WHERE HORIZONTAL DUCTS EXCEED 75 FEET IN LENGTH, THE SLOPE SHALL NOT BE LESS THAN 3/16" PER LINEAR FOOT.

DUCT DIAMETER	HORIZONTAL SUPPORT (Ft)	VERTICAL WALL SUPPORT (Ft)	VERTICAL CURB SUPPORT (Ft)
8"	10'	10'	24'
10"	10'	10'	24'
12"	10'	10'	24'
14"	10'	10'	24'
16"	10'	10'	24'
18"	10'	10'	24'
20"	10'	10'	24'
22"	10'	10'	24'
24"	10'	10'	24'

DuctWork #1 SE View



DuctWork #1 Front View DuctWork #1 Top View DuctWork #1 Side View



DEMONSTRATIONS ARE AVAILABLE AT THE CALIFORNIA BAY AREA DISPLAY CENTER FOR PRICES AND QUESTIONS, CALL THOMAS THAI REFERENCE JOB# 3806995 REGIONS@CAPTIVEAIRE.COM PHONE: (415) 956-2200 FAX: (919) 227-5940

REVISIONS

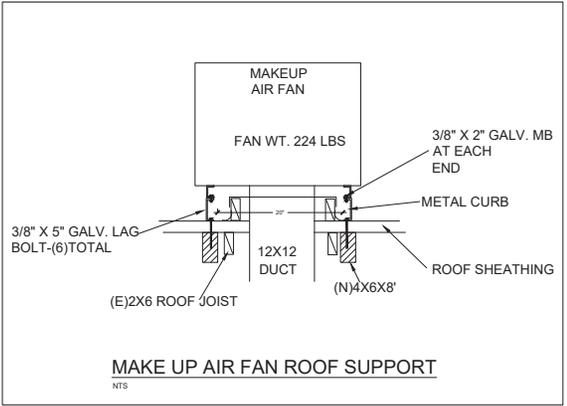
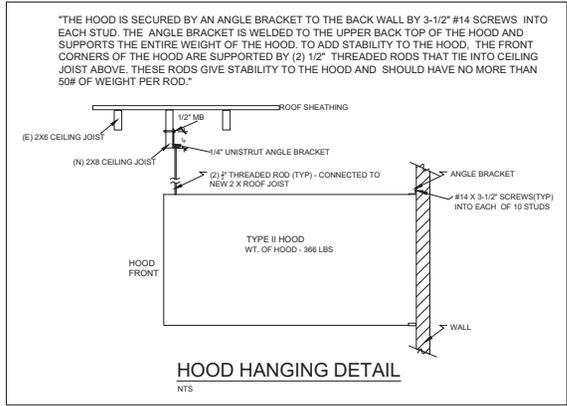
NO.	DESCRIPTION	DATE

**CAPTIVEAIRE**  
Central CA  
www.captiveaire.com  
8 Adrian Court, Burlingame, CA 94010 PHONE: (415) 956-2200 FAX: (919) 227-5940 EMAIL: reg@captveaire.com

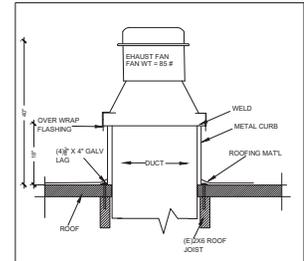
Marvelcake - Campbell, CA  
1614 WEST CAMPBELL AVE.,  
CAMPBELL, CA, 95008

DATE: 5/7/2019  
DWG.#: 3806995  
DRAWN BY: TT-91  
SCALE: 3/4" = 1'-0"  
MASTER DRAWING

SHEET NO. M-3

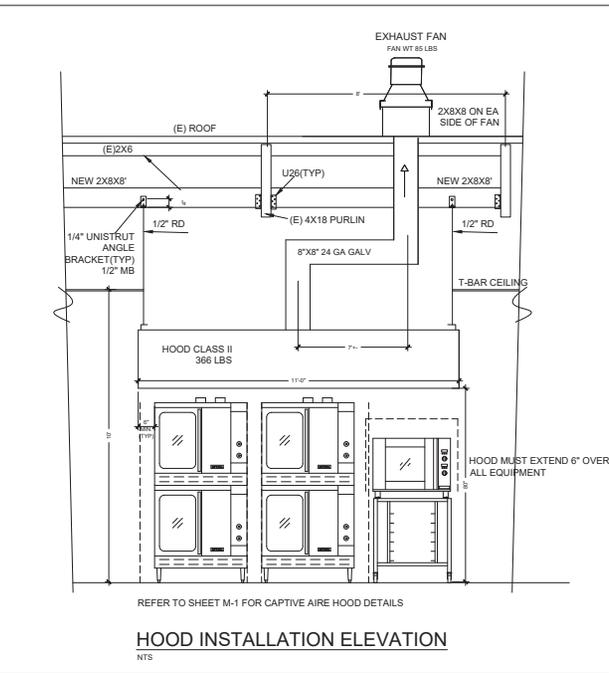


**HOOD HANGING CALCS**  
 HOLDING FORCE OF #14 SCREW - 200 LBS PER SCREW  
 NO. OF STUDS = 8 X 200 LBS = 1600 LBS HOLDING CAPACITY  
 HOLDING LOAD OF (2) 1/2" CEILING RODS = 200 LBS  
 TOTAL HOLDING CAPACITY - 1800 LBS  
 WT. OF HOOD - 366 LBS



**EXHAUST FAN ROOF SUPPORT**  
 NTS

REFER TO ROOF PLAN ON SHEET M-5 FOR LOCATION OF FANS ON ROOF



REV. DATE	NO.
6/11/19	1
6/24/19	2

MAXWELL A. BEANKORT  
 LICENSED ARCHITECT  
 NO. C 24621  
 2-28-21  
 RENEWAL DATE  
 BEANKORT ARCHITECTS  
 MAXWELL A. BEANKORT ARCHITECT  
 EMERYVILLE, CALIFORNIA  
 (910) 701-7568  
 DESIGN@MBAO.COM  
 D. MANIGIN / JAC / J. FSD

**DESIGN 4 DINING**  
 1966 Tice Valley Blvd, Suite #142  
 WALNUT CREEK, CA, 94595  
 510-701-7366  
 DESIGN@MBAO.COM  
 D. MANIGIN / JAC / J. FSD

1614 WEST CAMPBELL AVE.  
 CAMPBELL, CA 95008

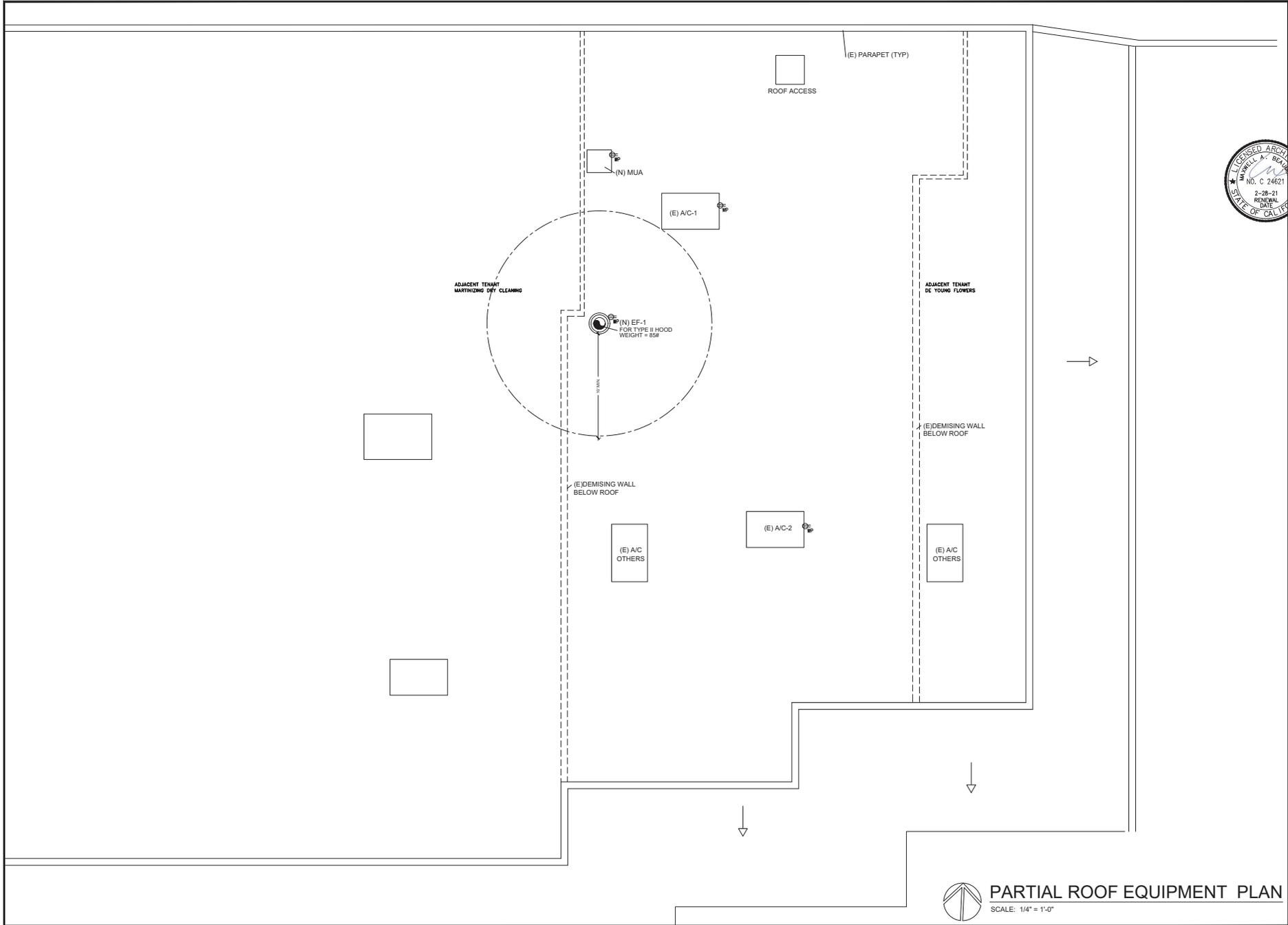


**DWG DATE:**  
 5/9/19

**DRAWN BY:**  
 RDO



**M-4**



REV.	DATE	NO.
6/11/19		1
6/24/19		2



BEAUDOIN ASSOCIATES  
 MAXWELL A. BEAUDOIN, ARCHITECT  
 EVERETTVILLE, CALIFORNIA  
 (916) 781-7681  
 DESIGN@MABEUD.COM

**DESIGN 4 DINING**  
 2363 BLVD. CIRCLE #18  
 WALNUT CREEK, CA. 94595  
 510-701-7388 COM  
 D. MANGINI / A/C D / PSD

1614 WEST CAMPBELL AVE.  
 CAMPBELL, CA 95008



DWG DATE:  
5/9/19

DRAWN BY:  
MSD



**M-5**

**PARTIAL ROOF EQUIPMENT PLAN**  
 SCALE: 1/4" = 1'-0"

REV. DATE	NO.
6/11/19	1
6/24/19	2

BEAUMONT ASSOCIATES  
 MAXWELL A. BEAUMONT, ARCHITECT  
 EVERETTVILLE, CALIFORNIA  
 (510) 781-7888  
 DESIGN@BEAUMONT.COM

**DESIGN 4 DINING**  
 2363 BLVD. CIRCLE #18  
 WALNUT CREEK, CA. 94595  
 510-701-7386 COM  
 DESIGN / ARCH / PSD

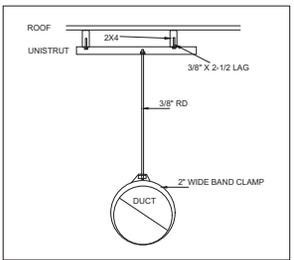
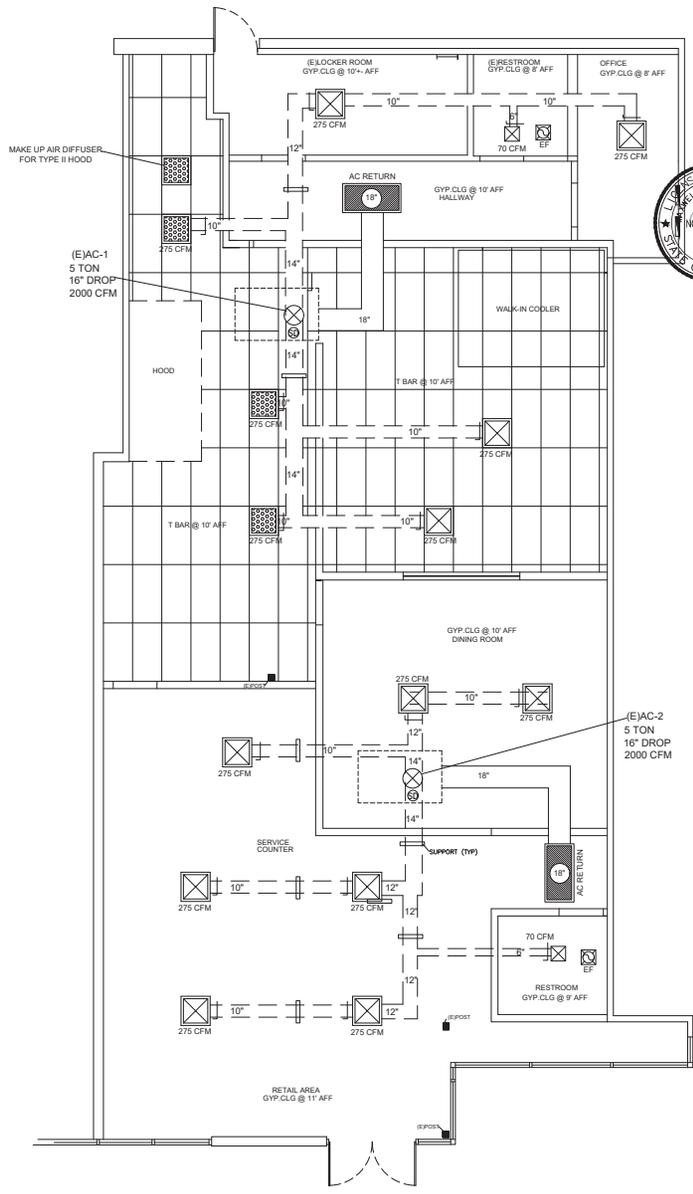
1614 WEST CAMPBELL AVE.  
 CAMPBELL, CA 95008



DWG DATE:  
5/9/19

DRAWN BY:  
MSD

**M-6**



HVAC DUCT TO BE 24 GAUGE GALVANIZED  
**DUCT SUPPORT DETAIL**  
 NTS

(E) HVAC RTU SCHEDULE  
 (E) 5 TON RTU  
 ELECTRICAL = 230-3-60, 4.8 KVA  
 HEATER = 72,000 BTU  
 AIR FLOW = 2000 CFM

AC-1  
 AC-2

SYMBOL LEGEND			
MK. SYMBOL	SPECIFICATIONS	MOUNTING HT.	NOTES
EF	EXHAUST FAN: BLOCKER ROOM SUPPLIES MELETO ELECTRICAL SUPPLY	MOUNT TO SCHEDULED GYP CEILING	STANDARD WHITE COVER
	LAY-IN HVAC 2X2 SUPPLY REGISTER PROVIDED BY HVAC CONTRACTOR	MOUNT TO SCHEDULED CEILING	
N/A	LAY-IN HVAC 2X2 PERFORATED SUPPLY REGISTER PROVIDED BY HVAC CONTRACTOR	MOUNT TO SCHEDULED ADDITIONAL CEILING LOCATED NEAR HOOD ONLY	
	SMOKE DETECTOR IN SUPPLY LINE (MUST BE IN COMPLIANCE WITH CPC 907.3.1)		
	2X4 RETURN REGISTER		

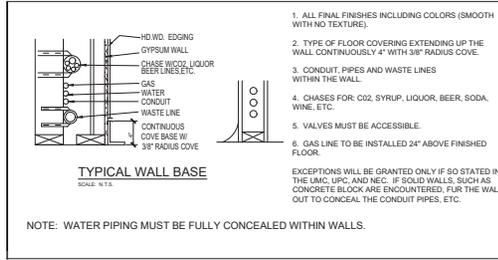
**HVAC DUCT PLAN**  
 SCALE: 1/4" = 1'-0"



**PIPING MATERIALS**

- WASTE:** NO-HUB CAST IRON PIPE AND FITTINGS. A.B.S. OR WHERE APPROVED BY MUNICIPALITY OR COPPER "DWV" PIPE AND FITTINGS OR
- VENT:** NO-HUB CAST IRON PIPE AND FITTINGS. A.B.S. WHERE APPROVED BY MUNICIPALITY OR COPPER "DWV" PIPE AND FITTINGS
- WATER:** TYPE "L" COPPER PIPE AND FITTINGS. INSULATE HOT WATER PIPING PER TITLE 24
- COND. DRAIN:** TYPE "M" COPPER PIPE AND FITTINGS. OR COPPER "DWV" PIPE AND FITTINGS.

PIPE SIZE	COLD WATER			HOT WATER		
	GPM	VELOCITY (CFS)	MAX. FIX. UNITS	GPM	VELOCITY (CFS)	MAX. FIX. UNITS
1/2"	1.8	2.5	-	1.8	2.5	1 FIX
3/4"	4.8	3.3	-	4.8	3.3	4
1"	10.0	3.8	-	4.8	3.8	13
1-1/4"	17.0	4.5	-	4.8	4.4	24
1-1/2"	28.0	5.3	11	4.8	5.0	46



NOTE: WATER PIPING MUST BE FULLY CONCEALED WITHIN WALLS.

**CALIFORNIA GREEN CODE WATER USAGE**

2016 CALIFORNIA GREEN CODE

**FIXTURE SCHEDULE**

QTY	FIXTURE	MANUFACTURER	MODEL #	FLOW RATE	MAX. ALLOWED*
2	WATER CLOSET	TOTO-ECO PROMENADE	CST424EF(G)	1.28 GAL/FLUSH	1.28 GAL/FLUSH
2	LAVATORY FAUCET SENSOR ACTIVATED	AMERICAN STANDARD W/ MIXING VALVE	#6055,105	.5 GPM @ 60 PSI	.5 GPM @ 60 PSI
1	PRE-RINSE FAUCET	FISHER	ULTRA SPRAY VALVE	1.15 GPM @ 60 PSI	1.6 GPM @ 60 PSI
1	KITCHEN FAUCET (PREP SINK)	DELTA	PILAR 90BT-DST	1.8 GPM @ 60 PSI	1.8 GPM @ 60 PSI

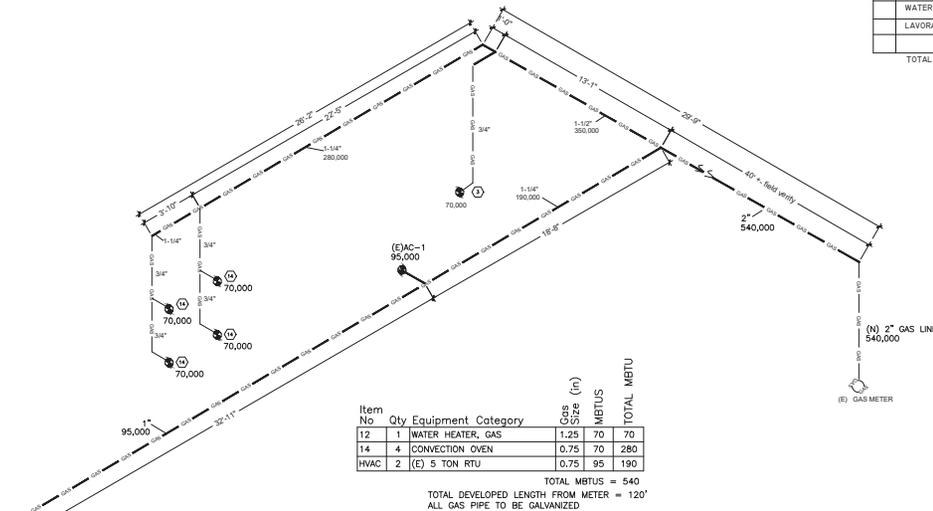
**WATER LINE SIZING CALCULATIONS:**

- USING TABLE CPC TABLE CPC 610.4
- PRESSURE RANGE 30 - 45 PSI
- TOTAL DEVELOPED LENGTH = 172'-0"
- TOTAL WATER FIXTURE UNITS = 21.5



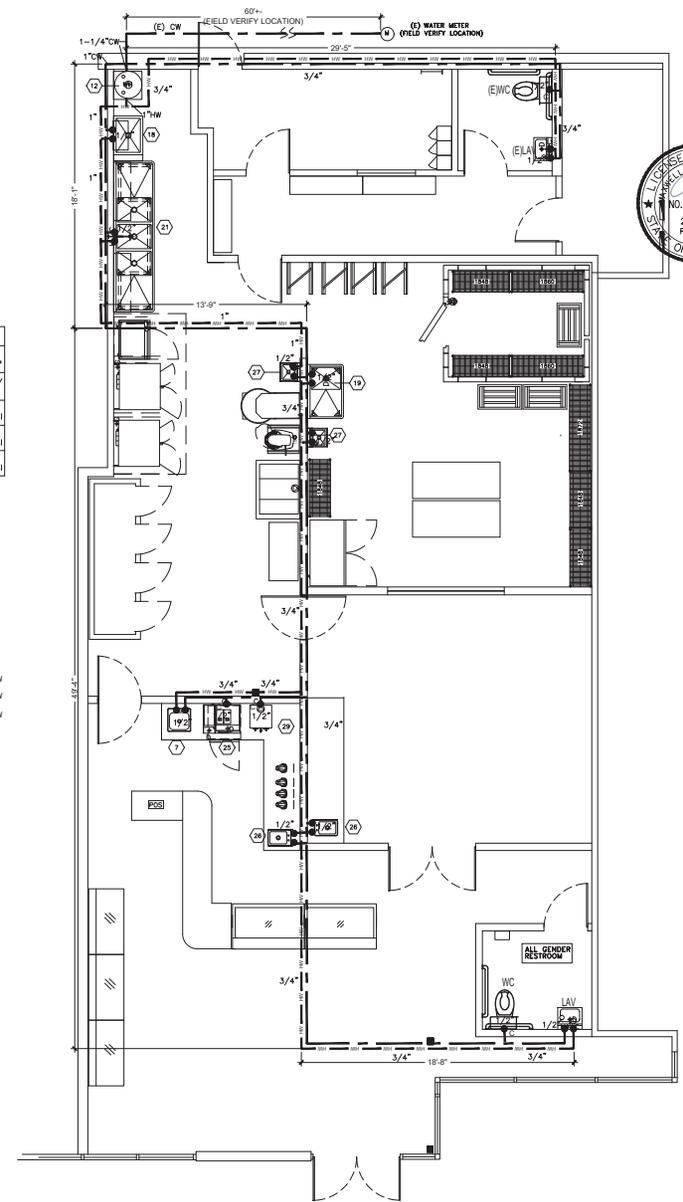
**FIXTURE UNIT SCHEDULE**

ITEM	FIXTURE	QTY	WATER FU EACH	SEWER FU EACH	TOTAL
19	HOP SINK	1	3	3	3
23	3-COMP. SINK	1	4	3	3
19	PREP. SINK	1	1.5	1.5	3
27	HAND SINK	2	1	2	4
7	DUMP SINK	1	1	2	4
25	ESPRESSO	1	1	-	-
	MAKE-UP AIR UNIT	1	1	1	1
	WATER CLOSET	2	2.5	5	12
	LAVATORY	2	1	2	2
	<b>TOTAL</b>		<b>21.5</b>	<b>31</b>	



**GAS LINE ISOMETRIC**

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



**WATER SYSTEM PLAN VIEW**

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



REV. DATE	NO.
6/11/19	1
6/24/19	2

BEAPPOINT ASSOCIATES  
MAXWELL A. BEAPOINT, ARCHITECT  
ENERVILLE, CALIFORNIA  
(510) 781-7568  
DESIGNING@MBA.COM

**DESIGN 4 DINING**  
2363 BLDG. CIRCLE #18  
WALNUT CREEK, CA. 94595  
(916) 938-7368  
D. MANCINI / ACD / FSD

1614 WEST CAMPBELL AVE.  
CAMPBELL, CA 95008



DWG DATE:  
5/9/19

DRAWN BY:  
MSD



**P-2**

STATE OF CALIFORNIA  
**Indoor Lighting**  
 NRC-C-114 Revised 1/18  
 CERTIFICATE OF COMPLIANCE  
 This document is a record of demonstrated compliance with requirements in **§16019.5, §16019.6, §16019.7, §16019.8, and §16019.9** for indoor lighting scope using the prescriptive path.  
 Project Name: **Marvel Cafe - TG** Report Page: **Page 1 of 7**  
 Project Address: **1614 W Campbell Avenue** Date Prepared: **6/9/2019**

**A. GENERAL INFORMATION**  
 01 Project Location (City): **Campbell** 04 Total Conditioned Floor Area (ft²): **2,660**  
 02 Climate Zone: **4** 05 Total Unconditioned Floor Area (ft²): **0**  
 03 Occupancy Types Within Project (check all that apply):  
 Office  Retail  Warehouse  Hotel/Motel  School  Support Areas  
 Parking Garage  High-Rise Residential  Anticabaret  Other (write in): **Battery**

**B. PROJECT SCOPE**  
 Public instructions include any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §16019.5 or §16019.9 for retrofits. **WARNING:** Changes to the Calculation Method in this table will result in the direction of data previously input. If you need to change the calculation method, please specify new form or use "Show As".

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
	01	02	03	05
NY PROJECT CONTROL (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
01 New Lighting System	Area Category	2,660	Area Category	0
02 Altered Lighting System				
<b>Total Area of Work (ft²)</b>		<b>2,660</b>		<b>0</b>

**C. COMPLIANCE RESULTS**  
 Table Instructions: If any cell in this table is "Show As" or "COMPLIES with Exceptional Conditions" refer to Table D for guidance.  
 Allowed Lighting Power (per §16019.5) (watts)  
 Actual Lighting Power (per §16019.5) (watts)  
 Compliance Results

Conditioned and unconditioned space used and combined for compliance per §16019.5	01		02		03		04		05		Total Actual (Watts) * Includes Adjustments	Compliance Results
	Area	Category	Area	Category	Area	Category	Area	Category				
Complete Building or Area Category	2,660	01	2,660	01	0	05	0	05	0	05	2,660	COMPLIES
Unconditioned	2,675		2,675		1,104		1,571		1,594		1,594	COMPLIES

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2016standards> July 2018

STATE OF CALIFORNIA  
**Indoor Lighting**  
 NRC-C-114 Revised 1/18  
 CERTIFICATE OF COMPLIANCE  
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 Project Name: **Marvel Cafe - TG** Report Page: **Page 2 of 7**  
 Project Address: **1614 W Campbell Avenue** Date Prepared: **6/9/2019**

**D. EXCEPTIONAL CONDITIONS**  
 This table is a table filled with uneditable comments because of selections made or data entered in tables throughout the form.  
 Table H - Indoor Lighting Control Permit Applicant Notes:  
 Reason 1: Excluded/Not Applicable

**E. ADDITIONAL REMARKS**  
 This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

**F. INDOOR LIGHTING FIXTURE SCHEDULE**  
 Table Instructions: Include all permanent designed lighting and all portable lighting in offices.  
 Name of Item Tag  
 Complete Luminaire Description  
 Specialized Luminaire Type  
 Track  
 Luminaire Type  
 Portable  
 Watts per luminaire  
 40  
 New Wattage is determined  
 NAB Default  
 Total number  
 10  
 Exempt per §16019.5  
 0  
 Design Watts  
 400  
 Field Inspector  
 Pass  
 Fail

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2016standards> July 2018

STATE OF CALIFORNIA  
**Indoor Lighting**  
 NRC-C-114 Revised 1/18  
 CERTIFICATE OF COMPLIANCE  
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 Project Name: **Marvel Cafe - TG** Report Page: **Page 3 of 7**  
 Project Address: **1614 W Campbell Avenue** Date Prepared: **6/9/2019**

**H. INDOOR LIGHTING CONTROLS (Not including PAFs)**  
 Table Instructions: Please include lighting controls for conditioned and unconditioned spaces in this table. When an option having a "1" is selected, the notes portion of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "CHECK NOT COMPLY" if the notes are not done.

Area Level Controls	01		02		03	
	Area Level Controls	Area Level Controls	Area Level Controls	Area Level Controls	Area Level Controls	Area Level Controls
Area Description	Complete Building or Area Category	Area Category	Area Category	Area Category	Area Category	Area Category
Area Description	Restroom	Restroom	Restroom	Restroom	Restroom	Restroom
Area Description	Sales/Showroom	Sales/Showroom	Sales/Showroom	Sales/Showroom	Sales/Showroom	Sales/Showroom
Area Description	Office	Office	Office	Office	Office	Office
Area Description	Locker Room	Locker/Dressing Room	Locker Room	Locker/Dressing Room	Locker Room	Locker/Dressing Room
Area Description	Storage Room	Convention/Conference/Meeting	Storage Room	Convention/Conference/Meeting	Storage Room	Convention/Conference/Meeting

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2016standards> July 2018

STATE OF CALIFORNIA  
**Indoor Lighting**  
 NRC-C-114 Revised 1/18  
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 Project Name: **Marvel Cafe - TG** Report Page: **Page 4 of 7**  
 Project Address: **1614 W Campbell Avenue** Date Prepared: **6/9/2019**

**Q. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE**  
 This Section Does Not Apply.

**R. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (PAF)**  
 This Section Does Not Apply.

**S. RATED POWER REDUCTION COMPLIANCE BY SPACE**  
 This Section Does Not Apply.

**T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION**  
 Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E, Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at <http://www.energy.ca.gov/title24/2016standards/tables>.

YES	NO	Item/Title	Field Inspector	
			Pass	Fail
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRC-L1-01 - Must be submitted for all buildings.	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRC-L1-02 - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRC-L1-03 - Must be submitted for a line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used for energy only line-voltage track lighting, to be recognized for compliance.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRC-L1-04 - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRC-L1-05 - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRC-L1-05-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	<input type="checkbox"/>	<input type="checkbox"/>

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2016standards> July 2018

STATE OF CALIFORNIA  
**Indoor Lighting**  
 NRC-C-114 Revised 1/18  
 CERTIFICATE OF COMPLIANCE  
 This document is a record of demonstrated compliance with requirements in **§16019.5, §16019.6, §16019.7, §16019.8, and §16019.9** for indoor lighting scope using the prescriptive path.  
 Project Name: **Marvel Cafe - TG** Report Page: **Page 5 of 7**  
 Project Address: **1614 W Campbell Avenue** Date Prepared: **6/9/2019**

**U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE**  
 Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E, Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <http://www.energy.ca.gov/title24/2016standards>.

YES	NO	Item/Title	Field Inspector	
			Pass	Fail
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NCA-11-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NCA-11-03-A - Must be submitted for automatic daylight controls.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NCA-11-04-A - Must be submitted for demand responsive lighting controls.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NCA-11-05-A - Must be submitted for institutional turn-down/adjustment factor (PAF).	<input type="checkbox"/>	<input type="checkbox"/>

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2016standards> July 2018

STATE OF CALIFORNIA  
**Indoor Lighting**  
 NRC-C-114 Revised 1/18  
 CERTIFICATE OF COMPLIANCE  
 This document is a record of demonstrated compliance with requirements in **§16019.5, §16019.6, §16019.7, §16019.8, and §16019.9** for indoor lighting scope using the prescriptive path.  
 Project Name: **Marvel Cafe - TG** Report Page: **Page 7 of 7**  
 Project Address: **1614 W Campbell Avenue** Date Prepared: **6/9/2019**

**DOCUMENTATION AUTHORITY'S DECLARATION STATEMENT**  
 Documentation Authority Name: **Melinda Woolley** Documentation Authority Signature:   
 Company: **ResCom Energy Engineering** Signature Date: **6/9/2019**  
 Address: **3166 Suisun Bay Road** CEA/HERS Certification Identification (if applicable):  
 City/State/Zip: **Wheatland, CA 95991** Phone: **(916) 379-1388**

**RESPONSIBLE PERSON'S DECLARATION STATEMENT**  
 I certify the following under penalty of perjury, that I am a duly licensed professional engineer in the State of California.  
 1. The information provided on this Certificate of Compliance is true and correct.  
 2. I am eligible under Division 9 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).  
 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.  
 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.  
 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: **Design 4 Dining** Responsible Designer Signature:   
 Company: **Design 4 Dining** Date Signed: **6/11/2019**  
 Address: **2963 Boulevard Circle, #38** License:  
 City/State/Zip: **Walnut Creek, CA 94595** Phone: **(916) 701-7368**

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2016standards> July 2018

REV. DATE NO.  
 6/10/19 1

REC-OM ENERGY ENGINEERING  
 3166 SUISSUN BAY ROAD  
 WEST SACRAMENTO, CA 95601  
 916 373-1385

1614 WEST CAMPBELL AVE.  
 CAMPBELL, CA 95008

DWG DATE:  
 5/7/19

DRAWN BY:  
 DJM

LTI

**FRESH CONCRETE AND MORTAR APPLICATION**  
BEST MANAGEMENT PRACTICES FOR:

- Masons and bricklayers
- Sidewalk construction crews
- Patio construction workers
- Construction inspectors
- General contractors
- Home builders
- Developers

**GENERAL BUSINESS PRACTICES**

- Both at your yard and the construction site, always store both dry and wet materials under cover, protected from rainfall and runoff.
- Protect dry materials from wind.
- Secure bags of cement after they are open. Be sure to keep wind-blown cement powder away from gutters, storm drains, rainfall, and runoff.
- Wash out concrete mixers only in designated wash-out areas in your yard, where the water will flow into containment ponds or onto dirt. Whenever possible, recycle washout by pumping back into mixers for reuse. Never dispose of washout into the street, storm drains, drainage ditches, or streams.

**STORM DRAIN POLLUTION FROM MASONRY AND PAVING**

Fresh cement and cement-related mortars that wash into lakes, streams, or estuaries are toxic to fish and the aquatic environment. Disposing of these materials to the storm drains or creeks causes serious problems and is prohibited by law.

**DURING CONSTRUCTION**

- Don't mix up more fresh concrete or cement than you will use in a day.
- Set up and operate small mixers on tarps or heavy plastic drop cloths.

**LANDSCAPING, GARDENING, AND POOL MAINTENANCE**

**BEST MANAGEMENT PRACTICES FOR THE:**

- Landscapers
- Gardeners
- Swimming pool/spa service and repair workers
- General contractors
- Home builders
- Developers

**GENERAL BUSINESS PRACTICES**

- Protect stockpiles and landscaping materials from wind and rain by storing them under tarps or secured plastic sheeting.
- Recycle large chunks of broken concrete at a landfill.
- Dispose of small amounts of excess dry concrete, grout, and mortar in the trash.
- Never bury waste material.

**POOL/FOUNTAIN/SPA MAINTENANCE**

- Never discharge pool or spa water to a street or storm drain.

OR

- When emptying a pool or spa, let chlorine dissipate for a few days, and then recycle/reuse water by draining it gradually onto a landscaped area.

**GENERAL BUSINESS PRACTICES**

- Contact the local sewage treatment authority. You may be able to discharge to the sanitary sewer by running a hose to a utility sink or sewer pipe cleanout junction.
- Do not use copper-based algaecides unless absolutely necessary. Control algae with chlorine or other alternatives to copper-based pool chemicals. Copper is a powerful herbicide. Sewage treatment technology cannot remove all of the metals that enter a treatment plant.

**LANDSCAPING/GARDEN MAINTENANCE**

- Use up pesticides. Rinse containers, and use rinse water as product. Dispose of rinsed containers in the trash.

- Dispose of unused pesticide as hazardous waste.

- Collect lawn and garden clippings, pruning waste, and tree trimmings. Chip if necessary, and compost.

**GENERAL BUSINESS PRACTICES**

- In communities with curbside yard waste recycling, leave clippings and pruning waste for pickup in approved bags or containers. Or, take to a landfill that composts yard waste.
- Do not place yard waste in gutters.
- Do not blow or rake leaves, etc. into the street.

**STORM DRAIN POLLUTION FROM LANDSCAPING AND SWIMMING POOL MAINTENANCE**

Many landscaping activities decompose soils and increase the likelihood that earth and garden chemicals will runoff into the storm drains during irrigation or when it rains. Swimming pool water containing chlorine and copper-based algaecides should never be discharged to storm drains. These chemicals are toxic to aquatic life.

**HEAVY EQUIPMENT OPERATION**

**BEST MANAGEMENT PRACTICES FOR THE:**

- Vehicle and equipment operators
- Site supervisors
- General contractors
- Home builders
- Developers

**SITE PLANNING AND PREVENTIVE VEHICLE MAINTENANCE**

- Designate one area of the construction site, well away from streams or storm drain inlets, for auto and equipment parking, refueling, and routine vehicle and equipment maintenance.
- Maintain all vehicles and heavy equipment. Inspect frequently for leaks.
- Perform major maintenance, repair jobs, vehicle, and equipment washing off site.

**GENERAL BUSINESS PRACTICES**

- If you must drain and replace motor oil, radiator coolant, or other fluids on site, use drip pans or drop cloths to catch drips and spills. Collect all spent fluids, store in separate containers, and recycle whenever possible.
- Do not use diesel oil to lubricate equipment or parts.
- Clean up spills immediately when they happen.

**BEST MANAGEMENT PRACTICES FOR THE:**

- Never hose down dirty pavement or impermeable surfaces where fluids have spilled. Use dry cleanup method (absorbent materials, cat litter, and/or rags) whenever possible. If you must use water, use just enough to keep the dust down.

**GENERAL BUSINESS PRACTICES**

- Sweep up spilled dry materials immediately. Never attempt to wash them away with water or bury them. Use as little water as possible for dust control.
- Clean up spills on dirt areas by digging up and properly disposing of contaminated soil.

**REPORTING SPILLS TO THE APPROPRIATE SPILL RESPONSE AGENCIES IMMEDIATELY.**

**STORM DRAIN POLLUTION FROM HEAVY EQUIPMENT ON THE CONSTRUCTION SITE**

Profilly maintained vehicles and heavy equipment leaking fuel, oil, antifreeze or other fluids on the construction site are common sources of storm water pollution. Prevent spills and leaks by inspecting all equipment from runoff channels, and by watching for leaks and other maintenance problems. Remove construction equipment from the site as soon as possible.

**PAINTING AND APPLICATION OF SOLVENTS AND ADHESIVES**

**BEST MANAGEMENT PRACTICES FOR THE: PAINTING/CLEANUP**

- Painters
- Paperhangers
- Plasterers
- Graphic artists
- Dry wall crews
- Floor covering installers
- General contractors
- Home builders
- Developers

**GENERAL BUSINESS PRACTICES**

- Keep all liquid paint products and wastes away from the gutter, street, and storm drains. Liquid residues from paints, thinners, solvent, glues and cleaning fluids are hazardous wastes. When they are thoroughly dry, empty paint cans, spent brushes, rags, and drop cloths may be disposed of as trash.

**PAINT REMOVAL**

- Chemical paint stripping residues is a hazardous waste.
- Chisps and dust from marine paints or paints containing lead or tributyl tin are hazardous wastes. Dry sweep and dispose of appropriately.
- Paint chips and dust from non-hazardous dry stripping and sand blasting may be swept up and disposed as trash.
- When stripping or cleaning building exteriors with high-pressure water, block storm drains. Wash water onto a dirt area and spade into soil. Or, check with the local wastewater treatment authority to find out if you can collect (map or vacuum) building cleaning water and return to the sanitary sewer.

**WHAT CAN YOU DO?**

- Never clean brushes or rinse paint containers into a street, gutter, storm drain, or stream.
- For oil based paints, paint out brushes to the extent possible, filter and reuse thinners and solvents. Dispose of excess liquids and residue as hazardous waste.
- For oil based paints, paint out brushes to the extent possible, filter and reuse thinners and solvents. Dispose of excess liquids and residue as hazardous waste.
- Recycle/reuse leftover paints whenever possible.
- Recycle excess water-based paint, or use up. Dispose of excess liquid, including sludges, as hazardous waste.
- Reuse leftover oil-based paint. Dispose of excess liquid, including sludges, as hazardous waste.

**STORM DRAIN POLLUTION FROM PAINTS, SOLVENTS, AND ADHESIVES**

All paints, solvents, and adhesives contain chemicals that are harmful to the wildlife in our creeks and Bay. Toxic chemicals may come from liquid or solid products or from cleaning residues or rags. It is especially important not to clean brushes in an area where paint residue can flow to a gutter, street, or storm drain.

# Blueprint for a Clean Bay

## BEST MANAGEMENT PRACTICES FOR THE CONSTRUCTION INDUSTRY.

SANTA CLARA VALLEY NONPOINT SOURCE POLLUTION CONTROL PROGRAM

**EARTH MOVING ACTIVITIES**

**BEST MANAGEMENT PRACTICES FOR THE:**

- Bulldozers, backhoe, and grading machine operators
- Dump truck drivers
- Site supervisors
- General contractors
- Home builders
- Developers

**DURING CONSTRUCTION**

- Remove existing vegetation only when absolutely necessary.
- Consider planting temporary vegetation for erosion control on slopes or where construction is not immediately planned.

**PROTECT DRAINAGE COURSES, STREAMS, AND STORM DRAINS WITH BAY HALES OR TEMPORARY DRAINAGE SWALES.**

- Use check dams or ditches to divert runoff around excavations.

**COVER STOCKPILES AND EXCAVATED SOIL WITH SECURED TARPS OR PLASTIC SHEETING.**

- Cover stockpiles and excavated soil with secured tarps or plastic sheeting.

**GENERAL BUSINESS PRACTICES**

- Schedule excavation and grading work for dry weather.
- Perform major equipment repairs away from the job site.
- When refueling or vehicle/equipment maintenance must be done on site, designate a location away from storm drains.
- Do not use diesel oil to lubricate equipment or parts.

**DETECTING CONTAMINATED SOIL OR GROUNDWATER**

As you know, contaminated groundwater is a common problem in the Santa Clara Valley. It is essential that all contractors and subcontractors involved in excavation and grading know what to look for in detecting contaminated soil or groundwater, and test ponded groundwater before pumping. See Blueprint for a Clean Bay, a construction best management practices guide available from the Santa Clara Valley Nonpoint Source Pollution Control Program, for details.

**WATCH FOR ANY OF THESE CONDITIONS:**

- Unusual soil conditions, discoloration, or odor
- Abandoned underground tanks
- Abandoned wells
- Buried barrels, debris, or trash

**STORM DRAIN POLLUTION FROM EARTH-MOVING ACTIVITIES**

Soil excavation and grading operations loosen large amounts of soil that can flow or blow into storm drains if handled improperly. Soil erodes due to a combination of decreased soil stability, increased runoff, and increased flow velocity. Some of the most effective erosion control practices reduce the amount of runoff crossing a site and slow the flow with check dams or roughened ground surfaces.

**ROADWORK AND PAVING**

**BEST MANAGEMENT PRACTICES FOR THE:**

- Road Crews
- Driveway/sidewalk/parking lot construction crews
- Seal coat contractors
- Operators of grading equipment
- Concrete mixers
- Dump trucks
- Concrete mixers
- Construction inspectors
- General contractors
- Developers

**WHAT CAN YOU DO?**

- Develop and implement erosion/sediment control plans for embankments.
- Schedule excavation and grading work for dry weather.
- Check for and repair leaking equipment.
- Perform major equipment repairs in designated areas at your yard, away from the construction site.

**GENERAL BUSINESS PRACTICES**

- When refueling or vehicle/equipment maintenance must be done on site, designate a location away from storm drains and creeks.
- Do not use diesel oil to lubricate equipment or parts.
- Recycle used oil, concrete, broken asphalt, etc. whenever possible.

**DURING CONSTRUCTION**

- Avoid paving and seal coating in wet weather, or when rain is forecast before fresh pavement will have time to cure.
- Cover and seal catch basins and manholes when applying seal coat, slurry seal, fog seal, etc.
- Use check dams, ditches, or berms to divert runoff around excavations.

**GENERAL CONSTRUCTION AND SITE SUPERVISION**

**BEST MANAGEMENT PRACTICES FOR THE:**

- Construction industry

**WHAT CAN YOU DO?**

- Designate one area of the site for auto parking, vehicle refueling, and routine equipment maintenance. The designated area should be well away from streams or storm drain inlets, and bermed or drained if necessary. Make major repairs off site.
- Keep materials out of the rain-prevent runoff contamination at the source. Cover exposed piles of soil of construction materials with plastic sheeting or temporary roofs. Before it rains, sweep and remove materials from surfaces that drain to storm drains, creeks, or channels.
- Keep pollutants off exposed surfaces. Place trash cans and recycling receptacles around the site to minimize litter.
- Clean up leaks, drips, and other spills immediately so they do not contaminate soil or groundwater or leave residues on paved surfaces.
- Never hose down "dirty" pavement or surfaces where materials have spilled. Use dry cleanup methods whenever possible. If you must use water, use just enough to keep the dust down.
- Cover and maintain dumpsters. Check frequently for leaks. Place dumpsters under roofs or cover with tarps or plastic sheeting secured around the outside of the dumpster. Never clean a dumpster by hosing it down on the construction site.
- Make sure portable toilets are in good working order. Check frequently for leaks.

**ASPHALT/CONCRETE REMOVAL**

- Avoid creating excess dust when breaking asphalt or concrete.
- After breaking old pavement, be sure to remove all chunks and pieces.
- Make sure broken pavement does not come in contact with rainfall or runoff.
- Shovel or vacuum saw-cut slurry and remove from the site. Cover or barricade storm drain during saw-cutting if necessary.
- Never hose down streets to clean up tracked dirt.

**STORM DRAIN POLLUTION FROM ROADWORK**

Road paving, surfacing, and pavement removal happens right in the street, where there are numerous opportunities for storm drain contamination by asphalt, saw-cut slurry, or excavated material. Extra planning is required to store and dispose of materials properly and guard against pollution of storm drains and creeks.

**MATERIALS/WASTE/HANDLING**

**BEST MANAGEMENT PRACTICES FOR THE:**

- Practice Source Reduction—minimize waste when you order materials. Order only the amount you need to finish the job.
- Use recyclable materials whenever possible.
- Dispose of all wastes properly. Many construction materials and wastes, including solvents, water-based paints, vehicle fluids, broken asphalt and concrete, wood, and cleaned vegetation can be recycled. (See the references list of recyclers at the back of Blueprint for a Clean Bay.) Materials that cannot be recycled must be taken to an appropriate landfill or disposed of as hazardous waste. Never bury waste materials or leave them in the street or near a creek or stream bed.

**STORM DRAIN POLLUTION FROM CONSTRUCTION ACTIVITIES**

Construction sites are common sources of storm water pollution. Materials and wastes that blow or wash into a storm drain, gutter or street have a direct impact on local creeks and the Bay. As a contractor, site supervisor, owner or operator of a site, you may be responsible for any environmental damage caused by your subcontractors or employees.

**BEST MANAGEMENT PRACTICES FOR STORM WATER POLLUTION PREVENTION**

**Spill Response Agencies**

1. Dial 911
2. Santa Clara Valley Water District Environmental Compliance Division (408) 927-0710.
3. Governor's Office of Emergency Services Warning Center (800) 852-7550 (24 hours).

**Local Pollution Control Agencies**

- Santa Clara County Office of Toxics and Solid Waste Management (408) 441-1195
- Santa Clara Valley Water District (408) 927-0710
- San Jose/Santa Clara Water Pollution Control Plant (408) 945-5300
- Serving Campbell, Cupertino, Los Gatos, Milpitas, Monte Sereno, San Jose, Santa Clara and Saratoga (408) 730-7270
- Sunnyvale Water Pollution Control Plant (415) 329-2598
- Palo Alto Regional Water Quality Control Plant (415) 329-2598
- Serving East Palo Alto, Los Altos, Los Altos Hills, Mountain View, Palo Alto, and Stanford

Thirteen valley cities have joined together with Santa Clara County and the Santa Clara Valley Water District to educate local residents and businesses and fight storm drain pollution.

**Note: The property owner and the contractor share ultimate responsibility for the activities that occur on a construction site. Owner and contractor may be held responsible for any environmental damage caused by the subcontractors or employees.**

**ORDINANCE OF THE CITY OF CAMPBELL ESTABLISHING REQUIREMENTS FOR STORM WATER POLLUTION CONTROL**

**A. Criminal Penalties.** Any person who violates any provision of this article shall be guilty of a misdemeanor and upon conviction thereof shall be punishable by imprisonment for a term not to exceed six (6) months or by a fine not to exceed \$1000 or by both. Each and every violation of this chapter shall constitute a separate offense. Every day each such violation continues shall be an additional offense.

**B. Civil Penalties.** Any person who violates any provision of this chapter shall be civilly liable to the City of Campbell in a sum not to exceed \$1000 per day for each day in which the violation occurs. Each and every violation of this chapter shall constitute a separate offense. Every day each such violation continues shall be an additional offense.

**C. Civil Liability.** Any person who violates any provision of this chapter shall be civilly liable to the City of Campbell for all costs, including attorneys' fees, associated with the investigation and remediation of environmental conditions caused by the discharge of pollutants into the Municipal Storm Drain System or a Watercourse in violation of this chapter.

**D. Remedies Cumulative.** The remedies provided for in this chapter are cumulative and not exclusive and shall be in addition to any and all other remedies available to the City of Campbell under State and Federal Law.

Revision	By	Date
No.		
Date:	07/03/03	
Drawn By:		
Designed By:		

PLAN FOR THE IMPROVEMENT OF  
**BLUEPRINT FOR A CLEAN BAY**  
ENCROACHMENT PERMIT NO.



SCALE:  
N.T.S.

SHEET:  
OF