T.I. - TAPSILOG BISTRO

SANTA CLARA, CA

REV. DATE	NO.
12/27/19	1

GENERAL NOTES

1. AIA DOCUMENTS A201, LATEST ADDITION ISSUED BY THE AMERICAN INSTITUTE OF ARCHITECTS, "GENERAL CONDITIONS FOR THE PERFORMANCE OF A CONTRACT" ARE HEREBY INCORPORATED INTO THESE DRAWINGS AND SHALL BE CONSIDERED AS PART OF THE REQUIREMENTS FOR THE COMPLETION OF WORK.

2. ALL PERMITS REQUIRED BY THE CITY AND STATE AGENCIES SHALL BE APPLIED FOR AND OBTAINED BY THE CONTRACTOR AT HIS/HER SOLE EXPENSE.

3. ALL CONSTRUCTION WORK SHALL BE PROVIDED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL CODES, WITH THE MOST STRINGENT ALWAYS APPLYING.

4. THE CONTRACTOR SHALL IMMEDIATELY EXAMINE ALL PORTIONS OF THE SITE AFFECTING THIS PROJECT, AND BASE HIS/HER BID ON EXISTING CONDITIONS. ALL CONFLICTS OR OMISSIONS IN THE DRAWINGS SHALL BE REPORTED TO THE ARCHITECT AT THIS TIME. NO ALLOWANCE SHALL BE MADE FOR EXTRA EXPENSES TO THE CONTRACTOR DUE TO HIS/HER FAILURE TO COMPLY WITH THIS REQUIREMENT AND TO THOROUGHLY CONDUCT THIS EXAMINATION.

5. THE CONTRACTOR SHALL CONFIRM IN WRITING IMMEDIATELY FOLLOWING AWARDING OF THE JOB THE DELIVERY DATES OF ALL CONSTRUCTION MATERIALS REQUIRED BY THESE DRAWINGS. ANY MATERIALS WHOSE UNAVAILABILITY WILL AFFECT A DELAY IN AGREED UPON OCCUPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNER AT START OF WORK.

6. ANY REQUEST FOR THE SUBSTITUTION OF SPECIFIED MATERIALS SHALL BE MADE TO THE DESIGNER IN WRITING WITH THE PROPER TIME FOR REVIEW OF EQUAL QUALITY AND PERFORMANCE, AND SHALL NOT BE PURCHASED WITHOUT WRITTEN APPROVAL.

7. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF ALL SUBCONTRACTORS AND SHALL SCHEDULE ALL WORK TO MEET AGREED UPON COMPLETION DATES.

8. CONTRACTORS SHALL PROTECT ALL EXISTING AREAS WITH FRAGILE EQUIPMENT FROM DAMAGE THROUGHOUT TIME OF CONSTRUCTION. AT OWNER'S REQUEST, CONTRACTOR SHALL ERECT A TEMPORARY ENCLOSURE OR PLASTIC SCREEN.

9. CONTRACTOR SHALL KEEP JOB SITE CLEAN OF DIRT, DEBRIS, AND DUST WHICH COULD AFFECT FINISHED AREAS IN OR OUT OF JOB SITE, AND SHALL BE RESPONSIBLE FOR THE STORAGE AND REMOVAL OR RUBBISH ON A REGULAR BASIS.

10. CONTRACTOR SHALL LEAVE PREMISES CLEAN AT THE COMPLETION OF WORK. CONTRACTOR SHALL PROVIDE PROFESSIONAL CLEANING SERVICES OF AREA INCLUDING WINDOWS, CARPETS, CABINETS, AND WALLS.

11. ALL DIMENSIONS ARE GIVEN FROM FACE TO FINISH UNLESS OTHERWISE NOTED. NO DIMENSIONS SHALL BE SCALED FROM DRAWINGS. NO DIMENSIONS ARE TO BE ADJUSTED WITHOUT WRITTEN APPROVAL OF THE DESIGNER.

12. ALL WORK, TO BE ACCEPTABLE, MUST BE IN COMPLIANCE WITH THESE DRAWINGS AND SPECIFICATIONS, AND MUST BE OF A QUALITY EQUAL TO OR BETTER THAN THE STANDARDS OF THE TRADE. FINISHED WORK SHALL BE FIRM, WELL-ANCHORED, IN TRUE ALIGNMENT, PLUMB, LEVEL, WITH SMOOTH, CLEAN, & UNIFORM APPEARANCE.

13. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO DESIGNER OF ALL FABRICATED ITEMS SUCH AS CABINETS, GLAZING, CUT SHEETS OF EQUIPMENT AND SAMPLES OF ACTUAL FINISH MATERIALS FOR APPROVAL PRIOR TO INSTALLATION.

14. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL ELEMENTS REQUIRING SUPPORT. REVIEW REQUIREMENTS WITH DESIGNER.

15. CONTRACTOR TO COORDINATE INSTALLATION OF N.I.C. ITEMS WITH OTHER TRADES.

16. A COMPLETE SET OF STAMPED APPROVED PLANS MUST BE ON THE JOB SITE.

17. ALL CONTRACTORS & SUBCONTRACTORS MUST HAVE VALID CURRENT BUSINESS LICENSES BEFORE INSPECTION(S) CAN BE MADE.

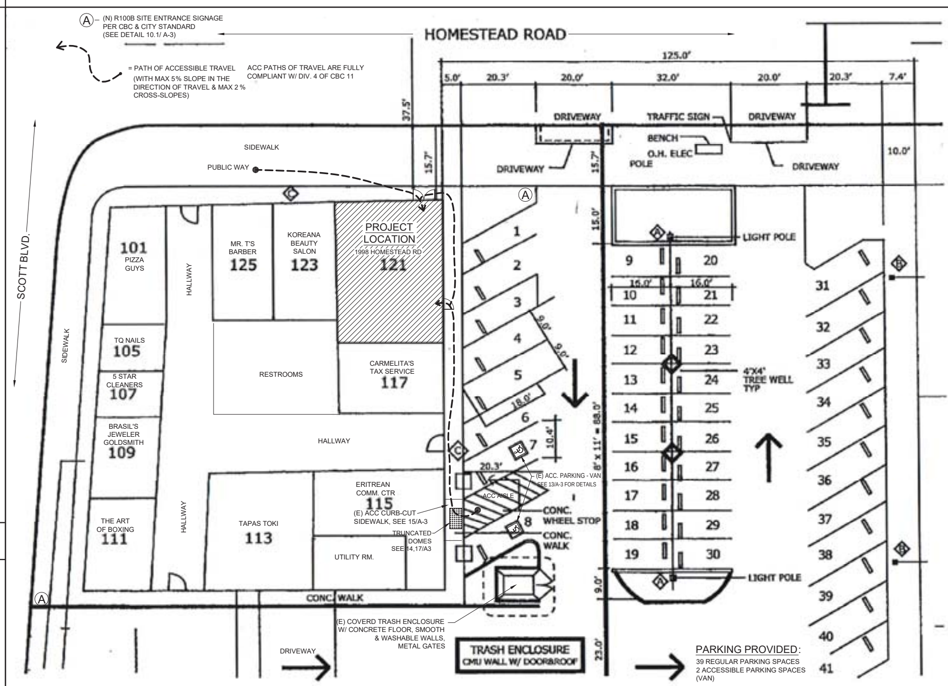
18. ALL WORK SHALL REMAIN EXPOSED FOR INSPECTION. THIS INCLUDES BUILDING CONSTRUCTION AND DEFERRED FIRE PERMITS. IF ADEQUATE EXPOSURE IS NOT PROVIDED FOR INSPECTION PURPOSES, THERE MAY BE DELAYS IN GRANTING TCO OR FINALIZATION OF PERMIT(S).

SANTA CLARA FIRE DEPT. NOTES/SEPARATE PERMITS REQUIRED DIRECTLY WITH SCFD

THE FOLLOWING ITEMS SHALL BE SEPARATE PERMITS APPLIED DIRECTLY TO THE SANTA CLARA FIRE DEPT.:

1. ~~AUTOMATIC SPRINKLER SYSTEM (MODIFICATIONS)~~
2. FIRE ALARM SYSTEM
3. REFRIGERATION SYSTEM
4. COOKING OIL STORAGE TANKS (EXCEEDING 60 GALLONS)
5. HOOD/DUCT FIRE SUPPRESSION SYSTEM
6. CARBON DIOXIDE BEVERAGE SYSTEMS (EXCEEDING 100 LBS)
7. INVERTER BATTERIES (IF APPLICABLE)
8. HOOD/ANSUL SYSTEM IS A DEFERRED SUBMITTAL FOR FIRE DEPT. PURPOSES.
9. ALL HVAC UNITS ABOVE 2,000 CFM SHALL BE REQUIRED TO BE PROVIDED WITH DUCT SMOKE DETECTION AND SHALL BE REQUIRED TO BE CONNECTED TO THE FIRE ALARM SYSTEM.

SITE PLAN SCALE: 1/16" = 1'-0"



PROJECT DATA DESCRIPTION

Area:	1,200 SQ. FT. INTERIOR TENNANT SPACE (AREAS OF WALLS NOT INCLUDED)
Construction Type:	TYPE V-B, 1 STORY
Sprinkler System:	NONE
Existing Use:	VACANT (FORMER MASSAGE - 'GOLDEN BAY SPA')
Proposed Use:	RESTAURANT (FILIPINO)
Disability Guidelines:	THIS FACILITY WILL CONFORM TO ALL REQUIREMENTS OF CBC 11B DIVISION 6
Title 24:	LIGHTING & AREA VENTILATION TO REMAIN THE SAME
Occupancy Load:	GROUP B OCCUPANCY; OCC. LOAD 36 LESS THAN 50 - ONE EXIT REQ., TWO PUBLIC EXITS AVAILABLE

OCCUPANCY LOAD FACTOR CHART

ROOM(S)	FUNCTION	OCCUPANT LOAD FACTOR (OLF)	NET SQUARE FOOTAGE (SQ. FT.)	OCCUPANT LOAD OL=(SQ.FT.)/(OLF)
DINING AREA	DINING	15	510	510/15 = 34
KITCHEN/SERVICE//STORAGE AREA	KITCHEN-COMMERCIAL	200	~400	400/200 = 2
*RESTROOM/CORRIDOR/WALLS-CTR	UNOCCUPIED ACCESSORY	–	290	0

*NOT INCLUDED IN NET PER 2016 CBC SEC 200 "DEFINITIONS" AT "FLOOR AREA, NET"

TOTAL = 36

RESTROOM FIXTURES CALC.:
AS THIS IS A CLASS B RESTAURANT, ONLY (1) ALL GENDER RESTROOM WITH (1) LAV & (1) W.C. IS REQUIRED PER CPC 422.1 EXCEPTION (3)

PROJECT DIRECTORY

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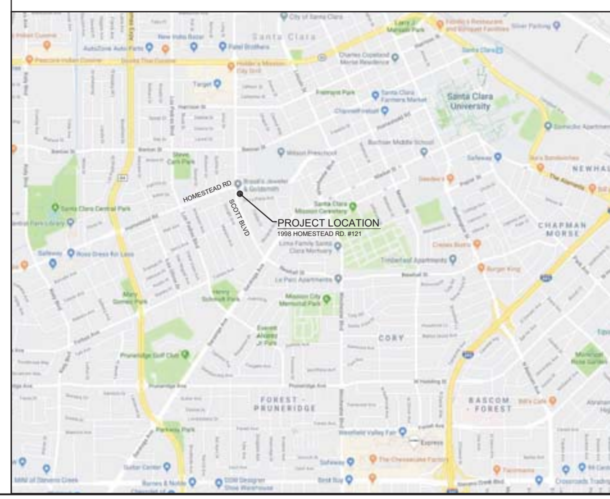
SCOPE OF WORK - TENANT IMPROVEMENT

NEW RESTAURANT IN EXISTING RETAIL SPACE. THIS WILL INVOLVE THE FOLLOWING WORK:

1. ADD NEW PARTITION WALLS. NONE TO BE INTRICATELY STRUCTURED TO BUILDING.
2. ELECTRICAL WORK AS REQUIRED FOR NEW PLAN.
3. PLUMBING WORK AS REQUIRED FOR NEW PLAN.
4. INSTALL COUNTERS AND COVE AS REQUIRED.
5. INSTALL AND PROVIDE FLOORING AND ALL OTHER REQUIRED FINISHES.
6. PROVIDE AND INSTALL NEW EQUIPMENT AS REQUIRED.
7. INSTALL HOOD SYSTEM AND RELATED EQUIPMENT.

ALL LIGHTING & AREA VENTILATION TO REMAIN AS EXISTING
(NO CHANGE TO CEILING PLAN LAYOUT) 1
DEFERRED SUBMITTALS:
1. SIGNAGE 2. HOOD SUPPRESSION SYSTEM (ANSUL) TO BE UNDER SEPERATE PERMIT.
1 DEFERRED SUBMITTALS (CALC'S & DRAWINGS) SHALL BE REVIEWED & APPROVED BY THE ENGINEER OF RECORD PRIOR TO SUBMITTING TO THE CITY FOR REVIEW & APPROVAL.

VICINITY MAP



APPLICABLE CODES

ALL WORK SHALL CONFORM TO ALL APPLICABLE CODES, ORDINANCES, AND REGULATIONS AS PRESCRIBED BY THE LOCAL CITY & COUNTY. CODES SHALL INCLUDE BUT ARE NOT NECESSARILY LIMITED TO:

2016 CALIFORNIA PLUMBING CODE AMENDMENTS
2016 CALIFORNIA FIRE CODE W/ CITY
2016 CALIFORNIA BUILDING CODE
2016 CALIFORNIA ELECTRICAL CODE
2016 CALIFORNIA MECHANICAL CODE
2016 CALIFORNIA ENERGY CODE

FEDERAL AND STATE DISABILITY GUIDELINES AND REGULATIONS AND ANY OTHER STATE REGULATIONS, CODES, & ORDINANCES AS AMENDED BY THE STATE OF CALIFORNIA AND LOCAL CITY & COUNTY THAT ARE APPLICABLE TO THIS PROJECT.

SHEET INDEX

* FOR BUILDING DEPT. ONLY

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SANTA CLARA, CA 95050

Date: 10/7/19
Drawn: GCC
Sheet: A-1

(E) 1 HR RATED DEMIZING WALLS

WALLS AND INTERIOR PARTITIONS, NONCOMBUSTIBLE

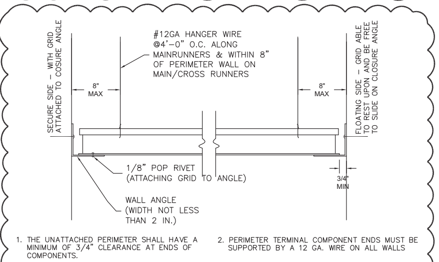
GA FILE NO. WP 1350	GENERIC	1 HOUR FIRE	35 to 39 STC SOUND

GYPSUM WALLBOARD, STEEL STUDS

One layer 5/8" type X gypsum wallboard or gypsum veneer base applied parallel to or at right angles each side of 3 5/8" steel studs 24" o.c. with 1" Type S drywall screws 8" o.c. at vertical joints and 12" o.c. at floor and ceiling runners and intermediate studs.

Joints staggered 24" on opposite sides. **(NLB)**

Thickness: 4 7/8"
Approx. Weight: 6 psf
Fire Test: FM WP-45, 6-19-68; OSU T-1770, 8-61; ULC 79T484, 79T500, 79T497, 8-12-81, ULC Design W415
Sound Test: NGC 2005004, 6-15-05 RAL TL06-114, 4-11-06



1. THE UNATTACHED PERIMETER SHALL HAVE A MINIMUM OF 3/4" CLEARANCE AT ENDS OF COMPONENTS.
2. PERIMETER TERMINAL COMPONENT ENDS MUST BE SUPPORTED BY A 12 GA. WIRE ON ALL WALLS

1 CEILING GRID SUSPENSION (@ NEW WALLS)

N.T.S.

EQUIPMENT SCHEDULE

Item No	Qty	Equipment Category	Manufacturer	Model Number	Equipment Remarks	Equipment Weights (*EQUIPPED W/ LOCKABLE CASTORS OR WHEEL PLACEMENT SYSTEM, SEE NOTE #9)
1	1	FRYER, DEEP FAT, GAS	AMERICAN RANGE	AF35/50	SEE NOTE 9 & 14	163lb*
2	1	RANGE, RESTAURANT, GAS	AMERICAN RANGE	AR-6C	SEE NOTE 9, SEE DETAIL 5/S1	420lb*
3.1	1	GRIDDLE 3', GAS	AMERICAN RANGE	AEMG-36	SEE NOTE 9	300lb on #5
3.2	1	GRIDDLE 2', GAS	AMERICAN RANGE	AEMG-24	SEE NOTE 9	220lb on #5
4	2	STOVE, STOCK POT	AMERICAN. RANGE	ARHP-12-2	SEE NOTE 9	85lb
4.1	1	STAND, EQUIPMENT	TURBO AIR	TSE-3036	SEE NOTE 9	47lb
5	1	FREEZER, SHORTY	DELFIELD	F2660	SEE NOTE 9, SEE DETAIL 5/S1	370lb*
6	1	TABLE, HOT FOOD	DUKE MANUFACTURING	E304		138lb
7	1	REFRIGERATOR, SANDWICH/SALAD PREP	TRUE FOOD SERVICE	TSSU-48-12	SEE NOTE 4	310lb*
8	1	FREEZER, WORKTOP	TRUE FOOD SERVICE	TWT-27F	SEE NOTE 4	210lb*
9	1	ICE MAKER, U/C W/BIN	MANITOWOC ICE	UYF0190A		193lb
10	2	SINK, HAND, WALL MOUNT	KROWNE	HS-22	SEE NOTE 6	
11	1	SINK, PREP	TURBO AIR	TSA-1-12-R1	SEE NOTE 15 & 6	
12	1	SINK, 3 COMP	TURBO AIR	TSA-3-12-D1	SEE NOTE 6	
13	1	SINK, MOP	GSW	SE2424FM	SEE NOTE 6	
14	1	HOT WATER HEATER	BRADFORD OR EQUAL	ULG250H553N	SEE NOTE 12	
15	2	DISPLAY CASE, REFRIGERATED	TURBO AIR	TGM-48RB	SEE NOTE 4	463lb*
16	1	WALK-IN COOLER	MASTER-BILT OR EQUAL	NAWD50RL0-BYH	SEE NOTES 8, 10, 12	>400lb see S1
17	1	SHELF, WALL MOUNT	EAGLE GROUP or EQUAL	SNSW1272C		
18	2	SHELVING, WIRE*	EAGLE GROUP or EQUAL	5 TIER S/S	ON CASTORS SEE NOTE 5	
19	1	TABLE, WORK	GSW	WT-PB3060		
20	1	TYPE I HOOD	ECON AIR	16'L X 4.5'W TYPE I	SEE NOTE 7 & MECH PLANS	573lb see S2

*EQUIPPED W/ LOCKABLE CASTORS AND/OR WHEEL PLACEMENT SYSTEM, SEE NOTE #9, & ALSO DETAILS 1 THRU 8 ON SHEET S-1 FOR SEISMIC ATTACHMENT

EQUIPMENT NOTES:

1. ALL NEW EQUIPMENT TO BE NSF OR EQUAL & PROPERLY LABELED.
2. SERVICE COUNTERS TO BE MAX. 34" TALL FOR HANDICAP ACCESSIBILITY.
3. ALL EXISTING EQUIPMENT TO BE NSF APPROVED OR EQUIVALENT AND REFURBISHED TO ITS ORIGINAL CONDITION.
4. EQUIP WITH HEAVY DUTY LOCKABLE ASTERS TO FACILITATE CLEANING OF FLOORS.
5. ALL STORAGE SHELVING TO HAVE MIN. 6" LEGS TO FACILITATE CLEANING OF FLOOR; NO STORAGE SHELVING TO BE IN EXCESS OF 5'-9" HIGH. TOTAL LINEAR FEET OF DRY STORAGE ON WIRE SHELING IS GRATER THAT 98 FT. (OR 20+ LINEAR FEET OF 5 TIER SHELVING).
6. INSTALL LEVER TYPE HANDLES ON ALL SINKS AND HEAVY DUTY LIQUID SOAP AND PAPER TOWEL DISPENSERS ABOVE ALL HANDSINKS. THE CONTORLS OF ALL SINKS SHALL: (1) BE OPENABLE WITH ONE HAND AND SHALL NOT REQUIRE GRASPING, PINCHING, OR TWISTING OF WRIST; (2) REQUIRE NO MORE THAN 5 LBS. FORCE TO ACTIVATE; & (3) BE LEVER-OPERATED, PUSH-TYPE, ELECTRONICALLY-CONTROLLED, OR SIMILAR.
7. EXHAUST AND MAKE-UP AIR WILL BE ELECTRICALLY INTERLOCKED.
8. 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.
9. EQUIPPED W/ APPROVED COMMERCIAL CASTERS (WHERE APPLICABLE) & APPROVED HEAVY DUTY QUICK DISCONNECT FLEXIBLE GAS LINES W/ RESTRAINING CABLES. ITEMS #1 THRU #5 (OR THEIR STANDS) TO BE SECURED BY T&S SATE-T-LINK APPLIANCE KIT WITH SURELINK RESTRAINING CABLES (SECURING TO WALLS) AND A POSI-SET WHEEL PLACEMENT SYSTEM (SEE 4/S-1)
10. ALL ENCLOSED EQUIPMENT (E.G. REFRIGERATORS, FREEZERS, HOT FOOD HOLDING UNITS, OVENS, & SIMILAR EQUIPMENT) MUST HAVE ADEQUATE (20+ FOOT CANDLES) INTERIOR LIGHTING.
11. COLD OR HOT HOLDING EQUIPMENT USED FOR POTENTIALLY HAZARDOUS FOOD SHALL BE DESIGNED TO INCLUDE & SHALL BE EQUIPPED WITH AT LEAST ONE INTEGRAL OR PERMANENTLY AFFIXED TEMP. MEASURING DEVICE LOCATED TO ALLOW EASY VIEWING OF TEMP. DISPLAY. THIS DISPLAY MUST HAVE A SCALE, PRINTED RECORD, OR READOUT IN INCREMENTS NO GREATER THAN 2°F OVER INTENDED RANGE OF USE.
12. WATER HEATER ON A STAINLESS STEEL STAND W/ 6" HIGH LEGS & STRAPPED TO WALL FOR SAFETY.
13. METAL SPLASHGUARD WITH HEIGHT OF AT LEAST 6" THAT EXTENDS FROM THE BACK OF THE DRAINBOARD TO THE FRONT EDGE OF THE DRAINBOARD OR FULL DEPTH OF SINK FOR HAND SINKS; CORNERS OF BARRIER ARE TO BE ROUNDED.
14. 8" MIN. HIGH STAINLESS STEEL SPLASH GUARD BETWEEN FRYER AND OTHER EQUIPMENT. THE 8" HEIGHT MUST BE MEASURED FROM THE HIGHER OF THE TWO PIECES OF EQUIPMENT.
15. PREP SINK TO HAVE MIN. BOWL SIZE OF 18" X 18" X 12"

AT HANDSINKS:
SOAP & PAPER TOWEL DISPENSERS

*LINEAR FEET OF DRY STORAGE SHELVING:

5 TIER WIRE SHELVING (IN DRY STORAGE): 5 X (11') = 55'
3 TIERS SHELIVNG IN 19' LONG LOCKABLE CABINET 3 X (19') = 57'
55' + 57' = 112' TOTAL LINEAR FEET DRY STORAGE

SYMBOL KEY:

- INTERNATIONAL SYMBOL OF ACCESSIBILITY PER 2016 CBC Figure *11B*-703.7.2.1 LOCATED ON OR ADJACENT TO BLDG & ACCESSIBLE RESTROOM ENTRANCES.
- MAX — MAX. OCCUPANT LOAD SIGN LOCATION; SEE FIRE DEPT. NOTE 2.
- KEY BOX; SEE FIRE DEPT. NOTE 4.
- TES — TACTILE EXIT SIGNAGE LOCATED ON WALL @ EACH GRADE LEVEL EXTERIOR EXIT DOOR, ON LATCH SIDE WEHRE SINGLE DOORS & RIGHT SIDE WHERE DOUBLE DOORS. SEE DETAIL 6/A-3 & 2016 CBC SECTION 1013.4 & 11B-703.4.2 FOR MORE DETAIL.
- LOCATION OF MIN. RATED 2A-10 BC FIRE EXTINGUISHER, SEE FIRE DEPT. NOTE 5.
- LOCATION OF CLASS K FIRE EXTINGUISHER (WITHIN 30 FT. OF ALL COMMERICAL COOKING EQUIPMENT PER CBC 906.1)
- EXIT — RED EXIT SIGN LETTERS ON WHITE BACKGROUND 120V W/ (2) 20T6-1/2IF LAMPS & BATTERY BACKUP, EMERGENCY LIGHT - DOUBLE CYLINDER UNITS W/ TUNGSTEN HALOGEN LAMPS. BATTERY OPERATED. SEE FIRE DEPT. NOTES 6 & 7
- EXIT — RED EXIT SIGN LETTERS ON WHITE BACKGROUND 120V W/ (2) 20T6-1/2IF LAMPS & BATTERY BACKUP; SEE FIRE DEPT. NOTE 7.
- TUNGSTEN HALOGEN LAMPS ONLY (NO EXIT SIGN)

FIRE DEPT. NOTES:

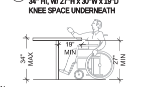
1. ALL EGRESS DOORS SHALL BE OPENABLE FROM THE EGRESS WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. KEY LOCKING HARDWARE MAY BE USED ON THE MAIN EXIT WHEN THERE IS A READILY VISIBLE, DURABLE SIGN ON OR ADJACENT TO THE DOOR STATING "THIS DOOR MUST REMAIN UNLOCKED WHILE THIS SPACE IS OCCUPIED" 2016 CBC 1010.1.0.3 #2.2.
2. PROVIDE SIGN STATING "MAXIMUM OCCUPANT LOAD ## " PERMANENTLY POSTED NEAR THE MAIN EXIT FROM THE ROOM AREA. THE SIGN SHALL BE LEGIBLE WITH LETTERS THAT ARE CONTRASTING TO THE BACKGROUND.
3. SUITE NUMBER SHALL BE PLACED AT ENTRANCE TO TENANT SPACE. NUMBERS SHALL BE A MIN. OF 6" HIGH, 0.5" WIDE & HIGHLY CONTRASTED WITH THEIR BACKGROUND (CBC 501.2).
4. KEY BOX TO BE PROVIDED PER MUNICIPAL CODE; CONTACT FIRE DEPT. EXISTING KEY BOXES SHALL BE UPGRADED TO THE NEW KNOX SYSTEM.
5. FIRE EXTINGUISHER WITH A MIN. RATING OF 2A-10 BC SHALL BE LOCATED W/ A MAX TRAVEL DISTANCE OF 75' TO A EXTINGUISHER ON A FLOOR BY FLOOR BASES
6. MEANS OF EGRESS ILLUMINATION - AT ANY TIME THE BUILDING IS OCCUPIED, THE MEANS OF EGRESS SHALL BE ILLUMINATED AT AN INTENSITY OF NOT LESS THAN 1 FT-CANDLE AT FLOOR LEVEL.
7. EXIT SIGNS - THE PATH OF TRAVEL TO AND WITHIN THE EXITS IN A BUILDING SHALL BE IDENTIFIED BY EXIT SIGNS PER 2016 CBC 1013. EXIT SIGNS SHALL BE READILY VISIBLE FROM THE DIRECTION OF APPROACH & AS NECESSARY TO INDICATE THE DIRECTION OF EGRESS TRAVEL. NO POINT SHALL BE MORE CHAN 100 FT FROM THE NEAREST VISIBLE SIGN.
8. THE POWER SUPPLY FOR MEANS OF EGRESS ILLUMINATION SHALL NORMALLY BE PROVIDED BY PREMISES ELECTRICAL SUPPLY. IN THE EVENT OF ITS FAILURE, ILLUMINATION SHALL BE AUTOMATICALLY PROVIDED FROM AN EMERGENCY SYSTEM THAT WILL PROVIDE POWER FOR NOT LESS THAN 90 MINUTES.

ACCESSIBLE DINING:

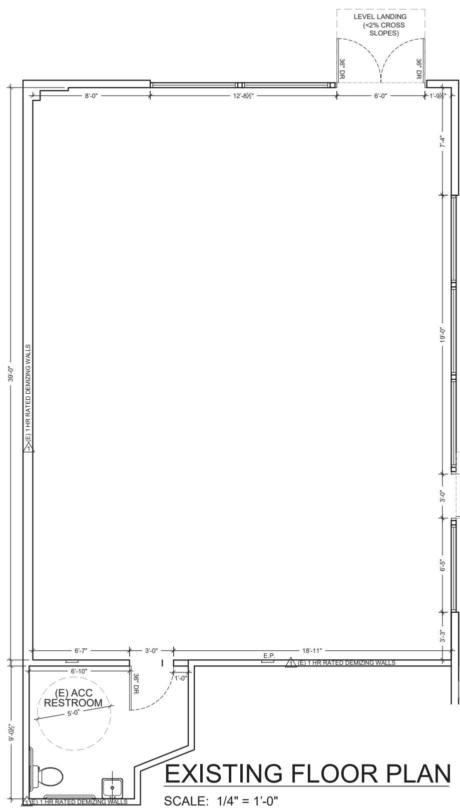
= DINING AREA
510 SQ. FT. TOTAL
1 H.C. SEAT MIN PER 20 SEATS

(N) COUNTERS — SEE SHEET EH-1 FOR ADDITIONAL CUSTOM COUNTER DETAILS & FINISHES. COUNTER HAVE LOCABLE CABINET BELOW

= HC TABLE: 34" HI. W/ 27"H x 30"W x 19"D KNEE SPACE UNDERNEATH

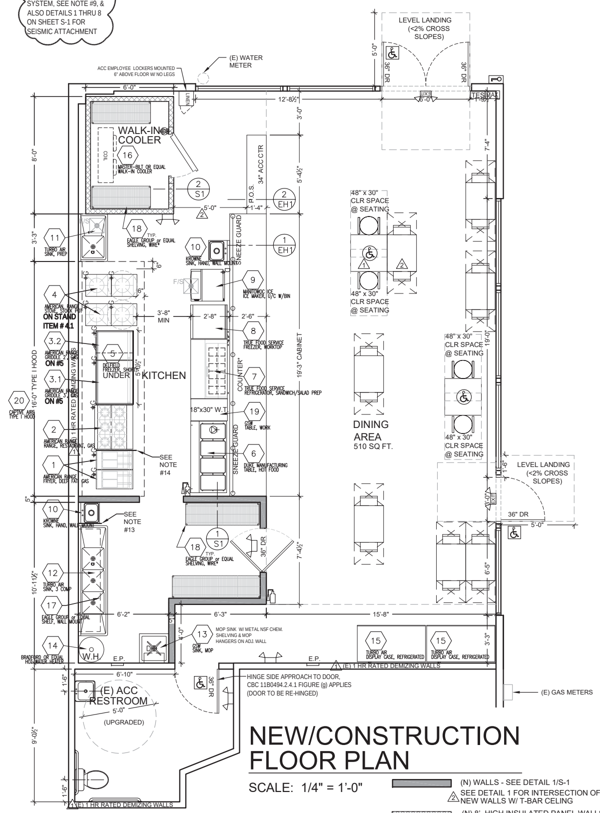


SEE SHEET A-3 FOR ACCESSIBLITY REQUIREMENTS.



EXISTING FLOOR PLAN

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



NEW/CONSTRUCTION FLOOR PLAN

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

(N) WALLS - SEE DETAIL 1/S-1
SEE DETAIL 1 FOR INTERSECTION OF NEW WALLS W/ T-BAR CEILING
(N) 8'- HIGH INSULATED PANEL WALLS - SEE DETAIL 2/S-1

REV. DATE	NO.
12/27/19	1
1/31/20	2

Exp. 06-30-21 — Civil — STATE OF CALIFORNIA

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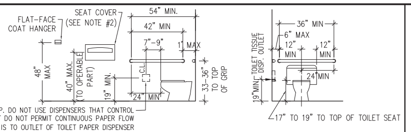
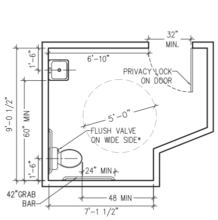
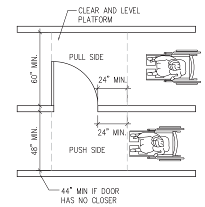


TOILET TISSUE DISPENSER NOTE:
LOCATE TOILET TISSUE DISPENSERS ON THE WALL 7" MIN. & 9" MAX. IN FRONT OF THE WATER CLOSET (MEASURED FROM THE CENTERLINE AT THE DISPENSER) MOUNTED BELOW THE GRAB BAR, WITH THE OUTLET OF THE DISPENSER AT A MIN. HEIGHT OF 19". DISPENSERS THAT CONTROL DELIVERY OR THAT DOES NOT PERMIT CONTINUOUS PAPER FLOW SHALL NOT BE USED.



NOTE: IT IS NOT POSSIBLE TO ILLUSTRATE & LIST ALL CBC ACCESSIBLITY REQUIREMENTS HERE. SEE 2016 CALIFORNIA BUILDING CODE SECTION 11B DIVISION 6 FOR MORE DETAILED ACCESSIBLITY REQUIREMENTS FOR PUBLIC TOILET FACILITIES. THESE REQIREMENTS HAVE CHANGED FROM PREVIOUS CBC YEARS, & ALL OF THE CURRENT ERRATA/ADDENDA NEED TO ALSO BE FOLLOWED.

1 SINGLE USER ALL-GENDER ACCESSIBLE BATHROOM UPGRADE
SCALE: 1/4"=1'-0"



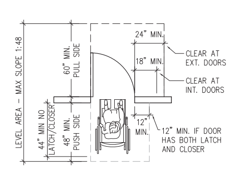
MAX. DOOR CLOSER PRESSURES

INTERIOR DOOR:	5.0 LBS
EXTERIOR DOOR:	5.0 LBS
FIRE DOOR:	15.0 LBS NECESSARY TO CLOSE & LATCH

11B-404.2.8.2 DOOR CLOSERS & GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90°, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12° FROM THE LATCH IS 5 SEC. MIN.

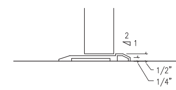
11B-404.2.8.2 DOOR & GATE SPRING HINGES SHALL BE ADJUSTED SO THAT FROM THE OPEN POSITION OF 70°, THE DOOR OR GATE SHALL MOVE TO THE CLOSED POSITION IN 1.5 SEC. MIN.

2 DOOR APPROACH LATCH
SCALE: 1/4"=1'-0"



3 DOOR APPROACH FRONTAL
SCALE: 1/4"=1'-0"

THRESHOLD NOTES:
1. CHANGE IN LEVEL 1/4" TO 1/2" PERMITTED WITH 1:2 BEVEL: GREATER CHANGE SHALL BE RAMPED 1:12.



4 THRESHOLD
SCALE: 3" = 1'-0"

ACCESSIBILITY REQUIREMENTS

CLEAR FLOOR OR GROUND SPACE FOR WHEELCHAIRS
1. THE MINIMUM, CLEAR FLOOR OR GROUND SPACE REQUIRED TO ACCOMMODATE A SINGLE STATIONARY WHEELCHAIR AND OCCUPANT IS 30 INCHES X 48 INCHES. THE MINIMUM CLEAR FLOOR OR GROUND SPACE FOR WHEELCHAIRS MAY BE POSITIONED FOR FORWARD OR PARALLEL APPROACH TO AN OBJECT. CLEAR FLOOR OR GROUND SPACE FOR WHEELCHAIRS MAY BE PART OF THE KNEE SPACE REQUIRED UNDER SOME OBJECTS.

2. PROVIDE AN ADDITIONAL 12 INCHES WIDTH ON ONE SIDE FOR ALCOVES GREATER THAN 15 INCHES DEEP AND DESIGNED FOR SIDE APPROACH.

3. PROVIDE AN ADDITIONAL 6 INCHES WIDTH ON ONE SIDE FOR ALCOVES GREATER THAN 24 INCHES DEEP AND DESIGNED FOR FRONTAL APPROACH.

SANITARY FACILITIES (GENERAL)
1. ALL DOORWAYS LEADING TO SANITARY FACILITIES SHALL HAVE A MIN. 32-INCH CLEAR, UNOBSTRUCTED OPENING.

2. ALL SINKS, FAUCET CONTROLS, AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBS. LEVER-OPERATED, PUSH-TYPE, AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS.

3. WALLS & PARTITIONS WITHIN 2 FT. OF URINALS & WATER CLOSETS SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE TO A HEIGHT OF 4 FT. ABOVE THE FLOOR PER CBC 1210.2.

4. WALLS WITHIN 2 FEET OF FRONT AND SIDE OF WATER CLOSETS AND URINALS SHALL HAVE A SMOOTH, HARD NON-ABSORBENT SURFACE TO A HEIGHT OF 4 FEET.

TOILET ROOM FIXTURES AND ACCESSORIES
1. ALL ACCESSORIES SUCH AS GRAB BARS, TOWEL BARS, PAPER DISPENSER, SOAP DISH, ETC. PROVIDED ON OR WITHIN WALLS SHALL BE INSTALLED AND SEALED TO PROTECT STRUCTURAL ELEMENTS FROM MOISTURE.

2. THE HEIGHT OF ACCESSIBLE WATER CLOSETS SHALL BE A MINIMUM OF 17 INCHES AND A MAXIMUM OF 19 INCHES MEASURED TO THE TOP OF THE TOILET SEAT.

3. CENTERLINE OF ACCESSIBLE TOILET TO BE 17" MIN. TO 18" MAX. FROM THE SIDE WALL OR PARTITION.

4. TOILET AND URINAL FLUSH CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. CONTROLS FOR THE FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF THE TOILET AREA NO MORE THAN 44 INCHES ABOVE THE FLOOR. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBS.

5. WHERE URINALS ARE PROVIDED, AT LEAST ONE SHALL HAVE A CLEAR SPACE 30 INCHES WIDE X 48 INCHES LONG IN FRONT OF THE URINAL. AT LEAST ONE URINAL WITH A RIM PROJECTING A MINIMUM OF 14 INCHES FROM THE WALL AND A MAXIMUM OF 17 INCHES ABOVE THE FLOOR SHALL BE INSTALLED. URINAL SHIELDS THAT DO NOT EXTEND BEYOND THE FRONT EDGE OF THE URINAL RIM MAY BE PROVIDED WITH 29 INCHES CLEARANCE BETWEEN THEM.

6. A CLEAR FLOOR SPACE 30 INCHES WIDE X 48 INCHES LONG SHALL BE PROVIDED IN FRONT OF A LAVATORY TO ALLOW A FORWARD APPROACH. SUCH CLEAR FLOOR SPACE SHALL ADJOIN OR OVERLAP AN ACCESSORY ROUTE AND SHALL EXTEND INTO KNEE AND TOE SPACE UNDERNEATH THE LAVATORY.

7. LAVATORIES SHALL BE MOUNTED WITH A MINIMUM DISTANCE OF 18 INCHES FROM A WALL OR PARTITION TO THE CENTERLINE OF THE FIXTURE. LAVATORY SHALL BE MOUNTED WITH THE RIM OR THE COUNTER SURFACE NO HIGHER THAN 34 INCHES ABOVE THE FINISHED FLOOR AND WITH A CLEARANCE OF AT LEAST 27 INCHES FROM FINISHED FLOOR TO THE BOTTOM OF COUNTER SPACE.

8. LAVATORIES SHALL BE MIN. 17" IN HORIZONTAL DEPTH & MOUNTED WITH THE RIM 34" ABOVE THE FINISHED FLOOR & WITH VERTICAL CLEARANCE MEASURED FROM THE BOTTOM OF THE APRON OR OUTSIDE BOTTOM EDGE OF THE LAVATORY OF 29" REDUCING TO 27" AT POINT LOCATED 8" BACK FROM THE FRONT EDGE. A MIN. 9" HIGH TOE CLEARANCE EXTENDING BACK TOWARD THE WALL TO A DISTANCE NO MORE THAN 6" FROM THE BACK WALL PER CBC.

9. PROVIDE A ROLL-IN SHOWER STALL IN ALL ACCESSIBLE UNITS IN CONFORMANCE WITH THE REQUIREMENTS OF 2016 CBC & OTHER APPLICABLE CALIFORNIA CODES.

10. THE FULL LENGTH OF HOT WATER AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES OR COUNTER.

11. MIRRORS SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE REFLECTIVE SURFACE TO NOT MORE THAN 40 INCHES FROM THE FLOOR.

12. LOCATE PAPER TOWEL DISPENSERS, SANITARY NAPKIN DISPENSERS, WASTE RECEPTACLES, HAIR DRYER UNIT, WALL-MOUNTED TELEPHONE SET, ETC. WITH ALL OPERABLE PARTS NO MORE THAN 40 INCHES HIGH FROM THE FLOOR.

13. LOCATE TOILET TISSUE DISPENSERS ON THE WALL 7" MIN. & 9" MAX. IN FRONT OF THE WATER CLOSET (MEASURED FROM THE CENTERLINE AT THE DISPENSER) MOUHNTED BELOW THE GRAB BAR, WITH THE OUTLET OF THE DISPENSER AT A MIN. HEIGHT OF 19". DISPENSERS THAT CONTROL DELIVERY OR THAT DOES NOT PERMIT CONTINUOUS PAPER FLOW SHALL NOT BE USED.

14. SINKS TO HAVE LEVER HANDLES PER 2016CBC.

GRAB BARS
1. GRAB BARS SHALL BE LOCATED ON ONE SIDE AND THE BACK OF THE PHYSICALLY DISABLED TOILET STALL OR COMPARTMENT AND SHALL BE SECURELY ATTACHED 33 INCHES ABOVE AND PARALLEL TO THE FLOOR.

2. GRAB BARS AT THE SIDE SHALL BE AT LEAST 42 INCHES LONG WITH THE FRONT END POSITIONED 24 INCHES IN FRONT OF THE WATER CLOSET STOOL. GRAB BARS AT THE BACK SHALL NOT BE LESS THAN 36 INCHES LONG.

3. THE DIAMETER OR WIDTH OF THE GRIPPING SURFACES OF A GRAB BAR SHALL BE 1-1/4 INCHES OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE. IF THE GRAB BARS ARE MOUNTED ADJACENT TO A WALL, THE SPACE BETWEEN THE WALL AND THE GRAB BARS SHALL BE 1-1/2 INCHES.

4. A GRAB BAR AND ANY WALL OR OTHER SURFACE ADJACENT TO IT SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS. GRAB BAR EDGES SHALL HAVE A MINIMUM OF A RADIUS OF 1/8 INCH.

5. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.

6. GRAB BARS SHALL BE DESIGNED TO SUPPORT A 250-POUND FORCE AND TO COMPLY WITH THE PROVISIONS SET FORTH IN 2016 CBC & OTHER APPLICABLE CALIFORNIA CODES.

7. GRAB BARS AT SHOWER STALLS SHALL COMPLY WITH PROVISIONS SET FORTH IN 2016 CBC & OTHER APPLICABLE CALIFORNIA CODES.

TELEPHONES
1. PERMANENTLY INSTALLED TELEPHONES IN ALL ACCESSIBLE UNITS SHALL HAVE VOLUME CONTROL COMPLYING WITH PROVISIONS SET FORTH IN 2016 CBC & OTHER APPLICABLE CALIFORNIA CODES. AN ACCESSIBLE ELECTRICAL OUTLET WITHIN 4 FEET OF A TELEPHONE CONNECTION SHALL BE PROVIDED TO FACILITATE THE USE OF A TEXT TELEPHONE.

BUILDING SIGNAGE
1. SIGNS WHICH DESIGNATE PERMANENT ROOMS AND SPACES SHALL COMPLY WITH 2016 CBC & OTHER APPLICABLE CALIFORNIA CODES.

2. OTHER SIGNS WHICH PROVIDE DIRECTION TO OR INFORMATION ABOUT FUNCTIONAL SPACES OF THE BUILDING SHALL COMPLY WITH 2016 CBC & OTHER APPLICABLE CALIFORNIA CODES. EXCEPTION: BUILDING DIRECTORIES MENUS, AND ALL OTHER SIGNS WHICH ARE TEMPORARY ARE NOT REQUIRED TO COMPLY.

HAZARDS AND PROTRUDING OBJECTS
1. OBJECTS PROJECTING FROM WALLS WITH THEIR LEADING EDGES BETWEEN 27 INCHES AND 80 INCHES ABOVE THE FINISHED FLOOR SHALL PROTRUDE NO MORE THAN 4 INCHES INTO WALKS, HALLS CORRIDORS, PASSAGEWAYS, OR AISLES.

2. OBJECTS MOUNTED WITH THEIR LEADING EDGES AT BELOW 27 INCHES ABOVE THE FINISHED FLOOR MAY PROTRUDE ANY AMOUNT.

3. FREE- STANDING OBJECTS MOUNTED ON POSTS OR PYLONS MAY OVERHANG 12 INCHES MAXIMUM FROM 27 INCHES TO 80 INCHES ABOVE THE GROUND OR FINISHED FLOOR.

4. PROTRUDING OBJECTS SHALL NOT REDUCE THE REQUIRED CLEAR WIDTH OF AN ACCESSIBLE ROUTE OR MANEUVERING SPACE.

5. ANY OBSTRUCTION OVERHANGING A PEDESTRIAN WAY SHALL BE A MINIMUM OF 80 INCHES ABOVE THE WALKING SURFACE AS MEASURED TO THE BOTTOM OF THE OBSTRUCTION.

PARKING
1. SURFACE SLOPES OF PARKING SPACE FOR THE PHYSICALLY DISABLED SHALL NOT EXCEED ¼ INCH PER FOOT (2% GRADIENT) IN ANY DIRECTION.

2. ACCESSIBLE PARKING SPACE SHALL BE DESIGNATED AS RESERVES BY SHOWING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY.

3. ONE IN EVERY SIX REQUIRED ACCESSIBLE SPACES, BUT NOT LESS THAN ONE SHALL BE SERVED BY AN ACCESS AISLE OF 96" WIDE MIN. AND SHALL HAVE AN ADDITIONAL SIGN " VAN ACCESSIBLE" MOUNTED BELOW THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. SUCH AS SIGN SHALL BE LOCATED SO THEY CANNOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE.

ACCESSIBLE HARDWARE NOTE
1. ACCESSIBLE HARDWARE SHALL BE CENTERED BETWEEN 34" & 44" ABOVE THE FLOOR. HAND-ACTIVATED DOOR OPENING HARDWARE, HANDLES, PULLS, LATCHES, LOCKS & OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND & DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE. LATCHING & LOCKING DOORS THAT ARE HAND-ACTIVATED & WHICH ARE IN A PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER-TYPE HARDWARE, PANIC PARES, PUSH-PULL ACTIVATING BARS OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE.

STAIRWAYS
1. THE UPPER APPROACH AND THE LOWER TREAD OF EACH INTERIOR STAIR SHALL BE MARKED BY A STRIP OF CLEARLY CONTRASTING COLOR AT LEAST 2 INCHES WIDE AND PLACED PARALLEL TO AND NOT MORE THAN 1 INCH FROM THE NOSE OF THE STEP OR LANDING TO ALERT THE VISUALLY IMPAIRED. THE STRIP SHALL BE OF A MATERIAL THAT IS AT LEAST AS SLIP- RESISTANT AS THE TREADS OF THE STAIR.

2. WHERE STAIRWAYS OCCUR OUTSIDE A BUILDING, THE UPPER APPROACH AND ALL TREADS SHALL BE MARKED BY A STRIP OF CLEARLY CONTRASTING COLOR AT LEAST 2 INCHES WIDE AND PLACED PARALLEL TO, AND NOT MORE THAN 1 INCH FROM THE NOSE OF THE STEP OF LANDING TO ALERT THE VISUALLY IMPAIRED. THE STRIP SHALL BE OF A MATERIAL THAT IS AS SLIP- RESISTANT AS THE TREADS OF THE STAIR. A PAINTED STRIPE SHALL BE ACCEPTABLE.

ACCESSIBLE ROUTE/SIDEWALK/HALLS/CORRIDOR/AND AISLES
1. AT LEAST ONE ACCESSIBLE ROUTE COMPLYING WITH 2016 CBC & OTHER APPLICABLE CALIFORNIA CODES SHALL CONNECT ACCESSIBLE BUILDING OR FACILITY ENTRANCES WITH ALL ACCESSIBLE SPACES AND ELEMENTS WITHIN THE BUILDING.

2. ACCESSIBLE ROUTE SHALL HAVE A CONTINUOUS SURFACE NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEEDING 1/2 INCH; CHANGE IN LEVEL UP TO A 1/4" MAY BE VERTICAL AND WITHOUT EDGE TREATMENT; CHANGE IN LEVEL BETWEEN ¼" AND ½" SHALL BE BEVELED WITH NO SLOPE GREATER THAN 1:2 AND SHALL BE A MINIMUM OF 36 INCHES IN WIDTH EXCEPT AT DOOR.

3. SURFACE CROSS SLOPES OF ACCESSIBLE ROUTE SHALL NOT EXCEED 1:50.

4. ACCESSIBLE ROUTE HAS LESS THAN 60" CLEAR WIDTH, AT LEAST 60" X 60" PASSING SPACE SHALL BE LOCATED AT REASONABLE INTERVAL NOT TO EXCEED 200 FT., T-INTERSECTION OF 2 CORRIDORS OR WALKS IS ACCEPTABLE PASSING SPACE.

5. WALKS, SIDEWALKS, AND PEDESTRIAN WAYS SHALL BE FREE OF GRATING WHENEVER POSSIBLE. GRID OPENINGS WITHIN GRATINGS LOCATED IN THE SURFACE OF ANY OF THESE AREAS SHALL BE LIMITED TO ½ INCH IN THE DIRECTION OF THE TRAFFIC FLOW.

6. WHEN THE SLOPE IN THE DIRECTION OF TRAVEL OF ANY WALK EXCEEDS 1 VERTICAL TO 20 HORIZONTAL, IT SHALL COMPLY WITH THE PROVISIONS OF PEDESTRIAN RAMPS.

7. AREA OF RESCUE ASSISTANCE TO COMPLY WITH PROVISIONS SET FORTH IN 2016 CBC & OTHER APPLICABLE CALIFORNIA CODES.

ENTRANCES/DOORS
1. ALL ACCESSIBLE ENTRANCES SHALL BE IDENTIFIED WITH AT LEAST ON STANDARD SIGN AND WITH ADDITIONAL DIRECTIONAL SIGNS, AS REQUIRED, VISIBLE FROM APPROACHING PEDESTRIAN WAYS:

2. EVERY REQUIRED ENTRANCE OR PASSAGE DOORWAY SHALL BE OF A SIZE AS TO PERMIT THE INSTALLATION OF A DOOR NOT LESS THAN 36 INCHES IN WIDTH, AND NOT LESS THAN 80 INCHES IN HEIGHT. DOORS SHALL BE CAPABLE OF OPENING AT LEAST 90 DEGREES AND SHALL BE SO MOUNTED THAT THE CLEAR WIDTH OF THE DOORWAY IS NOT LESS THAN 32 INCHES.

3. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL, SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE.

4. HARDWARE REQUIRED FOR ACCESSIBILE DOOR PASSAGE SHALL BE CENTERED BETWEEN 34" & 44" ABOVE THE FLOOR PER CBC.

5. THE FLOOR OR LANDING SHALL NOT BE MORE THAN ½ INCH LOWER THAN THE THRESHOLD OF THE DOORWAY, CHANGES IN LEVEL BETWEEN ¼ INCH AND ½ INCH SHALL BE LEVELED WITH A SLOPE NO GREATER THAN 1:2.

6. THE MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 LBS. FOR INTERIOR OR EXTERIOR DOORS. SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY NOT EXCEED 15 LBS.

7. MINIMUM MANEUVERING CLEARANCES AT DOORS THAT ARE NOT AUTOMATIC OR POWER-ASSISTED SHALL BE COMPLYING WITH 2016 CBC & OTHER APPLICABLE CALIFORNIA CODES. THE FLOOR OR GROUND AREA WITHIN THE REQUIRED CLEARANCES SHALL BE LEVEL AND CLEAR.

HANDRAILS
1. TOP OF HANDRAIL GRIPPING SURFACES AT SHALL BE 34 INCHES TO 38 INCHES ABOVE THE NOSING OF THE STAIR TREADS, OR THE RAMP SURFACE.

2. HANDRAILS AT STAIRWAYS SHALL EXTEND A MINIMUM OF 12 INCHES BEYOND THE TOP NOSING AND 12 INCHES PLUS THE TREAD WIDTH BEYOND THE BOTTOM NOSING.

3. HANDRAILS AT RAMPS SHALL RUN ALONG BOTH SIDES OF A RAMP, BE CONTINUOUS THE FULL LENGTH, EXTEND AT LEAST 12 INCHES BEYOND THE TOP AND BOTTOM OF THE RAMP.

4. WHERE THE EXTENSION OF THE HANDRAIL IN THE DIRECTION OF THE STAIR RUN WOULD CREATE A HAZARD, THE EXTENSION SHALL BE MADE AT RIGHT ANGLES, ON THE FACE OF A RETURNING WALL. WHERE THE STAIRS ARE CONTINUOUS FROM LANDING TO LANDING, THE INNER RAIL SHALL BE CONTINUOUS AND NEED NOT EXTEND OUT INTO THE LANDING.

5. HANDRAILS SHALL BE CONTINUOUS ALONG BOTH SIDES OF STAIRS. THE INSIDE HANDRAIL ON SWITCHBACK OR DOGLEG STAIRS SHALL ALWAYS BE CONTINUOUS.

6. THE HANDRAIL GRIPPING SURFACES SHALL BE UNINTERRUPTED BY NEWEL POSTS OR OTHER CONSTRUCTION ELEMENTS, OR OBSTRUCTIONS.

7. HANDRAIL ENDS SHALL BE ROUNDED OR RETURNED SMOOTHLY TO NEWEL POSTS, FLOOR, WALL, OR SAFETY TERMINALS AND SHALL NOT ROTATE WITHIN THEIR FITTINGS.

8. HANDRAILS PROJECTED FROM A WALL SHALL HAVE A SPACE OF NOT LESS THAN 1-1/2 INCHES BETWEEN THE WALL AND THE HANDRAIL.

9. THE HANDGRIP PORTION OF HANDRAILS SHALL BE NEITHER LESS THAN 1-1/4 INCH NOR MORE THAN 1-1/2 INCH IN CROSS-SECTIONAL DIMENSION OR THE SHAPE SHALL PROVIDE AND EQUIVALENT SMOOTH GRIPPING SURFACE WITH NO SHARP CORNERS.

ADDITIONAL REQUIREMENTS & INFORMATION
1. ALL REACH RANGES FOR ELECTRICAL SWITCHES AND RECEPTACLE OUTLETS SHALL COMPLY WITH 2016 CBC 11B-308:

A. ELECTRICAL RECEPTACLE OUTETS ON BRANCH CIRCUITS OF 30 AMPERES OR LESS & COMMUNICATION SYSTEM RECEPTACLES SHALL BE LOCATED NO MORE THAN 48" MEASURED FROM THE TOP OF THE RECEPTACLE OUTLET BOX OR RECEPTACLE HOUSING NOR LESS THAN 15" MEASURED FROM THE BOTTOM OF THE RECEPTACLE OUTLET BOX OR RECEPTACLE HOUSING TO THE LEVEL OF THE FINISHED FLOOR OR WORKING PLATFORM.

B. CONTROLS & SWITCHES TO CONTROL LIGHTING & RECEPTACLE OUTLETS, APPLIANCES OR COOLING, HEATING, & VENTILATING EQUIPMENT SHALL BE LOCATED NO MORE THAN 48" MEASURED FROM THE TOP OF THE OUTLET BOX NOR LESS THAN 15" MEASURED FROM THE BOTTOM OF THE OUTLET BOX TO THE LEVEL OF THE FINISHED FLOOR OR WORKING PLATFORM.

2. THE CENTER OF FIRE ALARM INITIATING DEVICES (BOXES) SHALL BE LOCATED 48 INCHES ABOVE THE LEVEL OF THE FLOOR, WORKING PLATFORM, GROUND SURFACE, OR SIDEWALK.

3. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE THE STANDARD USED TO IDENTIFY FACILITIES THAT ARE ACCESSIBLE TO AND USABLE BY PHYSICALLY DISABLED PERSONS. THE SYMBOL SPECIFIED ABOVE SHALL CONSIST OF A WHITE FIGURE ON BLUE BACKGROUND. THE BLUE SHALL BE EQUAL TO COLOR NO.15090 IN FEDERAL STANDARD 595A.

4. PROVIDE AUXILIARY VISUAL ALARM IN COMPLIANCE WITH 2016 CBC & OTHER APPLICABLE CALIFORNIA CODES IN ALL ACCESSIBLE UNITS.

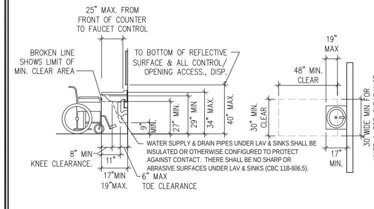
5. PROVIDE VISUAL NOTIFICATION DEVICES TO ALERT ROOM OCCUPANTS OF INCOMING TELEPHONE CALLS AND DOOR KNOCK OR BELL, SUCH DEVICES SHALL NOT BE CONNECTED TO AUXILIARY VISUAL ALARM SIGNAL APPLIANCES.

1

ACC RESTROOMS EXISTING; HOWEVER MUST COMPLY WITH CURRENT ACCESSIBLITY STANDARDS

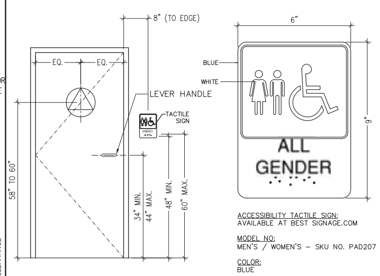
LAVATORY NOTES:
1. NO SHARP OR ABRASIVE ELEMENTS ARE ALLOWED UNDER LAVATORIES.
2. ALL CONTROLS MUST BE OPERABLE WITH ONE AND CANNOT REQUIRE GRASPING, PINCHING OR TWISTING OF WRIST.
3. FORCE TO ACTIVATE CONTROLS IS NOT TO EXCEED 5 LB. LEVER OPERATED, PUSH TYPE AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGN.
4. SELF CLOSING VALVES ARE ALLOWED IF FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.

2016 CBC SECTION 11B-606 ACCESSIBLE SINKS AND LAV
(Sinks required to be accessible shall comply with this subsection).
A CLEAR FLOOR SPACE COMPLYING WITH SECTION 11B-305, POSITIONED FOR A FORWARD APPROACH, AND KNEE AND TOE CLEARANCE COMPLYING WITH SECTION 11B-306 SHALL BE PROVIDED. 11B-606.3 HEIGHT. LAVATORIES AND SINKS SHALL BE INSTALLED WITH THE FRONT OF THE HIGHER OF THE RIM OR COUNTER SURFACE 34 INCHES (864 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. SEE CBC 2016 SECTION 11B-306 FOR REQUIRED ACCESSIBLE KNEE AND TOE CLEARANCES.



SEE CBC 11B-306 FOR ADDITIONAL KNEE & TOE CLEARANCE REQUIREMENTS

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



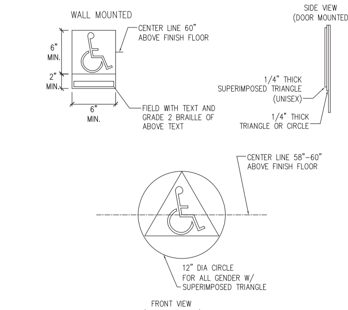
ACCESSIBILITY TACTILE SIGN:
AVAILABLE AT BEST SIGNAGE.COM

MODEL NO:
MEN'S / WOMEN'S – SKU NO. PAD207

COLOR:
BLUE

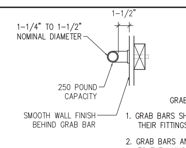
ACCESSIBLE TACTILE SIGN NOTES:
1. SIGNS SHALL BE 1/4" THICK MINMUM.
2. TACTILE SIGNS SHALL BE MOUNTED A MINIMUM OF 48" AFF FROM THE BASELINE OF THE LOWEST LINE OF BRAILLE AND A MAXIMUM OF 60" AFF FROM THE BASELINE OF THE HIGHEST LINE OF RAISED LETTERING, ON THE LATCH SIDE OF THE DOOR.
3. COLOR AND CONTRAST OF SIGNS SHALL BE DISTINCTLY DIFFERENT FROM THE COLOR AND CONTRAST OF THE DOOR.

6 RESTROOM ID. SIGNAGE ENTRY, DIRECTIONAL & TACTILE EGRESS SIGNAGE



ACCESSIBLE RESTROOM DOOR SIGNS:
1. DOORWAYS LEADING TO ALL GENDER SANITARY FACILITIES SHALL BE INDENTIFIED BY AN EQUILATERAL TRIANGLE, ¼ INCH (6.4mm) THICK WITH EDGES 12 INCHES (305mm) LONG AND A VERTEX POINTING UPWARD. POINTED EDGES SHALL HAVE A 1/8" RADIUS.
ALL EDGES OF THE TRIANGLE SHALL BE ROUNDED.
2. THESE GEOMETRIC SYMBOLS SHALL BE CENTERED ON THE DOOR AT A HEIGHT OF 58"- 60" AFF.
3. COLOR AND CONTRAST OF SIGNS SHALL BE DISTINCTLY DIFFERENT FROM THE COLOR AND CONTRAST OF THE DOOR.

7 IDENTIFICATION SYMBOLS
SCALE: 1-1/2" = 1'-0"

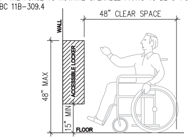


GRAB BAR NOTES:
1. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.
2. GRAB BARS AND ANY SURFACE ADJACENT TO THEM MUST NOT HAVE ANY SHARP OR ABRASIVE ELEMENTS. EDGES MUST HAVE MIN. RADIUS OF 1/8".

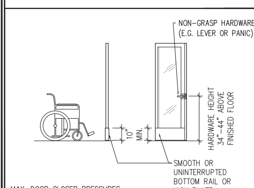
9 GRAB BARS
SCALE: 1-1/2" = 1'-0"

ACCESSIBLE LOCKER NOTES

1. 5% BUT NOT LESS THEN ONE OF THE LOCKERS TO BE ACCESSIBLE PER CBC 11B-222.1
2. PROVIDE CLEAR FLOOR SPACE PER CBC 11B-811.2
3. HEIGHT OF THE STORAGE ELEMENT SHALL COMPLY WITH ONE OF THE REACH RANGES PRESCRIBED IN CBC 11B-308 CBC 11B-811.3
4. OPERABLE PARTS TO BE OPERABLE WITH ONE HAND AND DO NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST PER CBC 11B-309.4
5. THE FORCE TO ACTIVITE OPERABLE PARTS TO BE 5-POUNDS MAX. PER CBC 11B-309.4



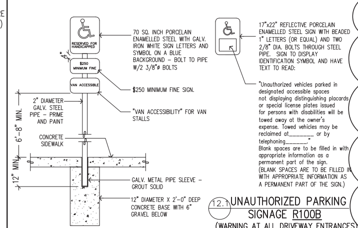
10 ACCESSIBLE LOCKER
SCALE: 1"=1'-0"



MAX. DOOR CLOSER PRESSURES

INTERIOR DOOR:	5.0 LBS
EXTERIOR DOOR:	5.0 LBS
FIRE DOOR:	15.0 LBS NECESSARY TO CLOSE & LATCH

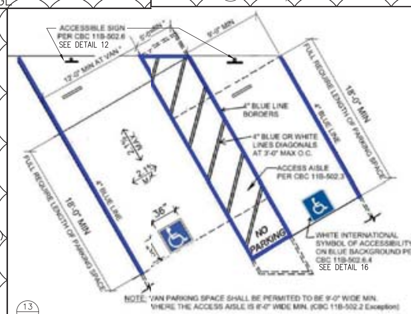
11 DOOR CONSTRUCTION
SCALE: 1/4"=1'-0"



ACCESSIBLITY STALL SIGNAGE

12.1 UNAUTHORIZED PARKING SIGNAGE R100B
(WARNING AT ALL DRIVEWAY ENTRANCES)
CBC 11B-502.6

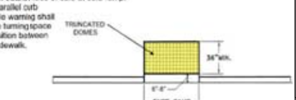
12 ACCESSIBILITY SIGNAGE



13 FIGURE: DIAGONA. ACCESSIBLE PARKING STALL

Detectable Warnings: (CBC 11B-247.1 & 11B-705)
Detectable warnings shall consist of a surface of truncated domes.

Dome size and spacing: See Figure 11B-705.1
Contrast: A detectable warning surface shall contrast visually with the adjacent walking surface.
Color: Yellow conforming to FS 33538 of Federal Standard 595C at hazardous vehicular area.
Exception: Detectable warning at curb ramps, islands or cut-through medians may be Yellow or 70% minimum visual contrast with adjacent walking surface
Size: Provide truncated domes to extend 36" minimum in the direction of travel for the full width of the curb ramp or cut through median.
Location: 6'-8" from outside face of curb at curb ramp.
Exception: On parallel curb ramps, detectable warning shall be placed on the turning space at the flush transition between the street and sidewalk.

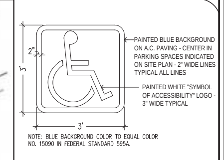


14 DETECTABLE WARNINGS

ALL PARKING FEATURES ARE IN COMPLIANCE WITH CURRENT 2016 CBC ACC STANDARDS AS ILLUSTRATED HERE

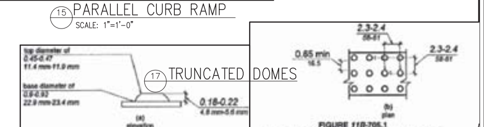
Parallel Curb Ramps: (CBC 11B-406.3)
a. **Turning space:** 48" x 48" minimum level space shall be provided at the bottom of the curb ramp

15 PARALLEL CURB RAMP
SCALE: 1"=1'-0"



NOTE: BLUE BACKGROUND COLOR TO EQUAL COLOR NO. 15090 IN FEDERAL STANDARD 595A.

16 ACC PAVEMENT SYMBOL



17 TRUNCATED DOMES

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REGISTERED PROFESSIONAL ENGINEER — Exp. 06-30-21 — Civil — STATE OF CALIFORNIA

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T.I. - TAPSILOG BISTRO
1998 HOMESTEAD ROAD #121
SANTA CLARA, CA 95050

Date:	10/7/19
Drawn:	GCC
Sheet:	A-3

PANEL P-1 | VOLTAGE: 120/240 | WIRE: 3 | MOUNTING: FLUSH | NOTES:
BUS RATING: | PHASE: 1 | AIC RATING: 10K
MAIN REQ.: 175A | TYPE: | CONDITION: EXISTING

CKT #	LOAD	CB P	CB T	LOAD DESCRIPTION	LOAD KVA	PHASE	LOAD KVA	LOAD DESCRIPTION	CB P	CB T	LOAD	CKT #
1	K	1	20	FREEZER, SHORTY	1.4	A	1.1	WALK-IN COOLER	2	20	K	2
3	K	1	30	TABLE, HOT FOOD	3.0	B	1.1	WALK-IN COOLER	2	20	K	4
5	K	1	20	REFRIGERATOR, SANDWICH/SALAD PREP	1.0	C	0.7	HOOD EXHAUST FAN*	2	20	M	6
7	K	1	20	FREEZER, WORKTOP	0.6	A	0.7	HOOD EXHAUST FAN*	2	20	M	8
9	K	1	20	ICE MAKER, U/C W/BIN	0.6	B	1.6	HOOD MAKE-UP AIR FAN*	1	20	M	10
11	K	1	20	DISPLAY CASE, REFRIGERATED	1.3	C	0.2	REC. - ROOF	1	20	G	12
13	K	1	20	DISPLAY CASE, REFRIGERATED	1.3	A	1.1	REC. - KITCHEN	1	20	G	14
15	C	1	20	LIGHTS/FAN - RESTROOMS	0.3	B	1.1	REC. - BACK	1	20	G	16
17	D	1	20	ALARM SYSTEM	0.2	C	0.4	REC. - FRONT SIGN	1	20	D	18
19				SPARE		A	0.4	REC. - WINDOWS	1	20	D	20
21						B	0.2	REC - POS	1	20	D	22
23						C		SPARE				24
25						A						26
27						B						28
29						C						30
31						A						32
33						B						34
35						C						36
37						A						38
39						B						40
41						C						42

CONNECTED LOAD:
PHASE A _____ KVA
PHASE B _____ KVA
PHASE C _____ KVA

DEMAND LOAD CALCULATION

DEMAND	SUBTOTAL	NEC DEMAND FACTOR	KVA
CONTINUOUS LOAD (C)	0.3	125%	0.4
DEDICATED LOAD (D)	1.2	100%	1.2
GENERAL RECEPTACLE (G)	2.4	100% of 1st 10KVA & 50% of remaining	2.4
KITCHEN EQUIPMENT (K)	11.4	65%	7.4
MECHANICAL EQUIPMENT (M)	3.0	125% of largest motor & 100% of remaining	3.4
		TOTAL DEMAND KVA	14.8
		÷ 240	
*EXHAUST AND MAKE-UP AIR WILL BE ELECTRICALLY INTERLOCKED.		= AMPS @ 120/208, 3 PHASE, 4 WIRE:	61.7

ELECTRICAL PANEL SCHEDULE & LOAD CALC'S

61.7 AMPS TOTAL LOAD

ELECTRICAL NOTES:

1. SWITCHES, CONTROLS, THERMOSTATS, ETC., ARE TO BE INSTALLED NO HIGHER THEN 48" TO THE TOP OF THE BOX ABOVE FINISHED FLOOR.
2. RECEPTACLE OUTLETS TO BE INSTALLED TO BE NO LOWER THEN 15" TO THE BOTTOM OF BOX ABOVE FINISH FLOOR.
3. ALL ELECTRICAL WORK SHALL COMPLY WITH THE CEC 2016 CODE.
4. RACEWAYS WILL COMPLY WITH 2016 CEC.
5. ALL KITCHEN APPLIANCES AND MOTORS (IN COMPLIANCE WITH CEC) TO HAVE DISCONNECT SWITCH.
6. ALL FEEDERS AND ALL OTHER SYSTEMS (BRANC, FEEDERS, & EQUIPMENT WHIPS) TO COMPLY WITH NEC.
7. ALL ELECTRICAL PANELS SHALL BE PROPERLY LABELED.
8. ~~ALL DOCUMENTATION REGARDING THE SERIES RATED BREAKERS TO BE USED ON THE PROJECT WILL BE AVAILABLE FOR THE FIELD INSPECTOR UPON REQUEST. THE SERIES RATED COMBINATIONS SHOULD BE HIGHLIGHTED AND TABBED FOR THE INSPECTORS USE.~~ NO SERIES RATED BREAKERS
9. A PERMANENT PLAQUE OR DIRECTORY SHALL BE INSTALLED AT EACH SERVICE DISCONNECTING LOCATION IN COMPLIANCE WITH 2016 CEC ART.
10. ALL ELECTRICAL EQUIPMENT SHALL BE FIELD MARKED WARNING QUALIFIED PERSONAL OF THE POTENTIAL ARC FLASH HAZARDS AND THE APPROPRIATE PPE REQUIRED, PER 2016 CEC.
11. ALL KITCHEN APPLIANCES OF MORE THAN ¼ HP TO BE PROVIDED WITH A UNIT SWITCH THAT COMPLIES WITH 2016 CEC.

CIRCUIT, CONDUIT, & GROUNDING NOTES:

FIELD VERIFY ALL EXISTING CONDITIONS

AIC RATINGS FOR ALL PANELS AND CIRCUIT BREAKERS TO BE PER CEC.

PANELS TO BE MARKED PER CEC ARTICLE 110-22

EQUIPMENT CONDUIT TYPES: ALL EMT (NO FLEX CABLE ALLOWED).

EQUIPMENT CONDUIT SIZES: ALL 120V USE #12 WIRE
ALL ABOVE 200V USE #10 WIRE

GROUNDING NOTE:
THE CONNECTION OF A GROUNDING ELECTRODE CONDUCTOR TO A GROUNDING ELECTRODE SHALL BE ACCESSIBLE AND MADE IN A MANNER THAT WILL ASSURE A PERMANENT AND EFFECTIVE GROUND. WHERE NECESSARY TO ASSURE THIS FOR A METAL PIPING SYSTEM USED AS A GROUNDING ELECTRODE, EFFECTIVE BONDING SHALL BE PROVIDED AROUND INSULATED JOINTS AND SECTIONS AND AROUND ANY EQUIPMENT THAT IS LIKELY TO BE DISCONNECTED FOR REPAIRS OR REPLACEMENT. BONDING CONTRACTORS SHALL BE SUFFICIENT LENGTH TO PERMIT REMOVAL OF SUCH EQUIPMENT WHILE RETAINING THE INTEGRITY OF THE BOND.

E L E C T R I C A L S C H E D U L E

Item No	Qty	Equipment Category	Manufacturer	Model Number	Equipment Remarks	Amps	KW	HP	Volts	Phase	Direct	Plug	NEMA
5	1	FREEZER, SHORTY	DELFIELD	F2660	ON DEDICATED CIRCUIT	12.0	1.4	0.5	120	1		X	5-20P
6	1	TABLE, HOT FOOD	DUKE MANUFACTURING	E304	ON DEDICATED CIRCUIT	25.0	3.0		120	1		X	5-50P
7	1	REFRIGERATOR, SANDWICH/SALAD PREP	TRUE FOOD SERVICE	TSSU-48-12	ON DEDICATED CIRCUIT	8.6	1.0	0.33	115	1		X	5-15P
8	1	FREEZER, WORKTOP	TRUE FOOD SERVICE	TWT-27F	ON DEDICATED CIRCUIT	4.8	0.6	0.33	115	1		X	5-15P
9	1	ICE MAKER, U/C W/BIN	MANITOWOC ICE	UY-0190A	ON DEDICATED CIRCUIT	5.5	0.6	0.42	115	1		X	5-15P
15	2	DISPLAY CASE, REFRIGERATED	TURBO AIR	TGM-48RB	ON DEDICATED CIRCUIT	10.9	1.3	0.5	115	1		X	5-15P
16	1	WALK-IN COOLER	MASTER-BILT OR EQUAL	NAWD50RL0-BYH	ON DEDICATED CIRCUIT	10	2.2	1.5	230	1	X		
20	1	TYPE I HOOD	ECON-AIR	16'L X 4.5'W TYPE I									
20.1	1	HOOD EXHAUST FAN	ECON-AIR	EABDU24HP	SEE M-1 & M-3	6.0	1.4	1.5	230	1	X		
20.2	1	HOOD MAKE-UP AIR FAN	FRIGIKING	650FD	SEE M-1 & M-3	13.8	1.6	3	115	1	X		

EXHAUST AND MAKE-UP AIR WILL BE ELECTRICALLY INTERLOCKED.

ELECTRICAL SYMBOLS

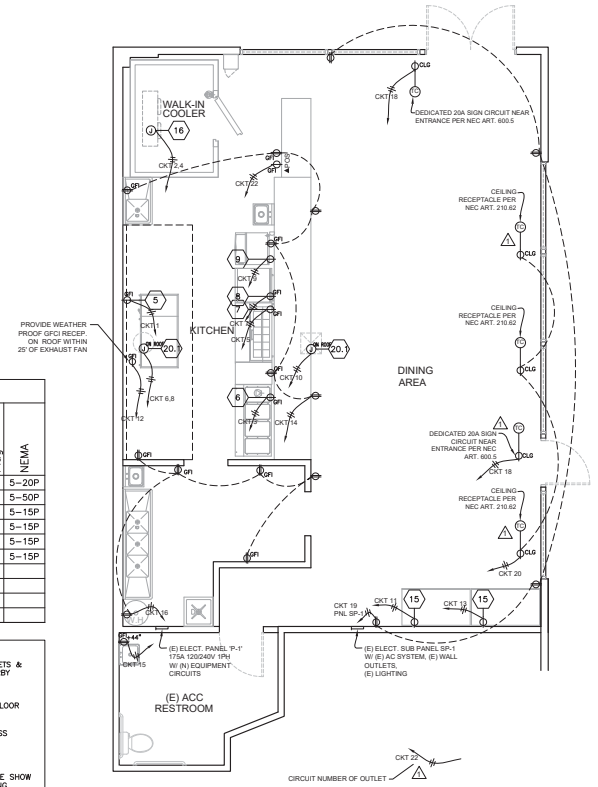
(ONLY SUGGESTED LOCATIONS FOR NEW EQUIPMENT OUTLETS & CONVENIENCE OUTLETS SHOWN – USE EQUIVALENT NEARBY EXISTING OUTLETS WHEN POSSIBLE)

- 120V DEDICATED SINGLE OUTLET (TO BE 18" ABOVE FLOOR UNLESS OTHERWISE NOTED)
- 120V DUPLEX OUTLET (TO BE 18" OVER FLOOR UNLESS OTHERWISE NOTED)
- 120V QUADPLEX OUTLET
- CLG 120V CEILING MOUNTED DUPLEX OUTLET; MOUNT ABOVE SHOW WINDOW. OUTLET & PLATE COVER SHALL MATCH CEILING, MOUNT PARELLEL WITH STORE FRONT.
- J JUNCTION BOX
- ▼ TELEPHONE OUTLET, FLUSH MOUNTED IN WALL +36" (VON)
- GFI GROUND FAULT INTERRUPTED OUTLET (ALL KITCHEN OUTLETS)
- SPECIAL OUTLET (SEE NEMA)
- 120V DEDICATED SINGLE OUTLET (STUBBED UP 5")
- 120V DUPLEX OUTLET (STUBBED UP 5")
- TC TIME CLOCK (ASTRONOMICAL) – FOR WINDOW SIGNAGE ONLY; ALL OTHER LIGHTING CONTROLLED BY OCCUPANCY SENSORS, SEE SHEET LTG-1

SEE M-1 ROOF PLAN FOR ELECTRICAL CONNECTIONS FOR HOOD FANS

ELECTRICAL SCOPE OF WORK:

1. NEW EQUIPMENT OUTLETS & CIRCUITS
2. EXISTING LIGHTING TO REMAIN



ELECTRICAL OUTLET PLAN

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

SEE SHEET M-1 FOR ROOF-TOP EQUIPMENT ELECTRICAL

REV.	DATE	NO.
	12/27/19	1

Exp. 08-30-21

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Date: 10/7/19
Drawn: GCC
Sheet: E-1

GENERAL HEALTH DEPARTMENT NOTES

1. GREASE TRAP LIDS AND FLOOR SINKS MUST BE INSTALLED FLUSH WITH THE FINISHED FLOOR.

2. EACH PERMANENT FOOD FACILITY SHALL BE FULLY ENCLOSED IN A BUILDING CONSISTING OF PERMANENT FLOOR, WALLS, AND AN OVERHEAD STRUCTURE.

3. INSTALL A MINIMUM FIVE (5) FOOT HIGH SMOOTH, WASHABLE, NONABSORBENT AND LIGHT COLORED WALL OR PARTITION, AS MEASURED FROM THE FLOOR, BETWEEN THE JANITORIAL MOP SINK AND THE FOOD FROM THE FLOOR, BETWEEN THE JANITORIAL MOP SINK AND THE FOOD PREP SINK. THE WALL OR PARTITION MUST HAVE AN ACCEPTABLE MOISTURE RESISTANT FINISH ON THE SIDE FACING THE MOP SINK, SUCH AS FRP, STAINLESS STEEL OR CERAMIC TILE.

4. AT LEAST 96 SQUARE FEET OF DRY STORAGE IS PROVIDED IN 5-TIER WIRE SHELVING AND UNDER AND OVER SHELVING.

5. NON NSF COUNTERS/CABINETS WILL HAVE PLASTIC LAMINATION INSIDE AND OUT, AND THE FLOOR MATERIAL WILL HAVE A CONTINUOUS COVE BASE ON THE EMPLOYEE SIDE.

6. CONCRETE FLOORS ARE TO BE SEALED WITH A PENETRATING SEALER THAT IS GREASE, OIL, ACID AND MOISTURE RESISTANT AND APPROVED FOR COMMERCIAL USE.

7. WHERE A SEALED CONCRETE FLOOR IS PROPOSED AND APPROVED INTEGRAL COVE BASE (SUCH AS AN APPROVED QUARRY OR CERAMIC TILE COVED BASE) MUST BE "KEYED-IN" TO THE FLOOR SURFACE. TO "KEY-IN", THE FLOOR IS SAW-CUT AT THE WALL/FLOOR JUNCTURE AND AN APPROVED COVED BASE IS INSERTED AND GROUTED IN SO AS TO BE FLUSH, INTEGRAL, AND CONTINUOUS WITH THE FLOOR SURFACE.

8. THE WALL SURFACES ADJACENT TO DRAINBOARDS & UTENSIL, MOP, AND FOOD PREPARATION SINKS SHALL BE COVERED WITH FIBERGLASS REINFORCED POLYESTER PANELS (FRP), TILE, STAINLESS STEEL, OR OTHER EQUIVALENT DURABLE WATERPROOF MATERIAL EXTENDING AT LEAST 8 FEET ABOVE THE COVED BASE FLOOR.

9. THE WALL SURFACES AT LOW, FLOOR-TYPE MOP BASINS SHALL BE COVERED WITH FIBERGLASS REINFORCE POLYESTER PANELS (FRP), STAINLESS STEEL, CERAMIC TILE OR EQUIVALENT DURABLE WATERPROOF MATERIAL TO A MINIMUM HEIGHT OF 8 FEET ABOVE THE FLOOR.

10. NON NSF COUNTERS/CABINETS WILL HAVE PLASTIC LAMINATION INSIDE AND OUT, AND THE FLOOR MATERIAL WILL HAVE A CONTINUOUS COVE BASE ON THE EMPLOYEE SIDE.

11. DISHWASHING CHEMICALS SHALL BE OFF THE FLOOR AT LEAST 6 INCHES ON EITHER AN ANSI/NSF DUNNAGE RACK OR ON WALL-MOUNTED UNITS.

12. ALL FOOD SERVICE AND RELATED EQUIPMENT SHALL BE NATIONAL SANITATION FOUNDATION (NSF) APPROVED AND IN CONFORMITY WITH LOCAL HEALTH REGULATIONS. INSTALLATIONS OF EQUIPMENT SHALL MEET SAME REQUIREMENTS. ALTHOUGH HEALTH REQUIREMENTS WILL BE REVIEWED DURING BUILDING DEPT. AUTHORIZATION, THE OWNER WILL HAVE TO TAKE OUT SEPARATE HEALTH PERMIT.

13. ALL ADJOINING EQUIPMENT AND COUNTERS SHALL BE SEALED TOGETHER TO PREVENT THE ENTRANCE OF MOISTURE. MAXIMUM OPENING BELOW SNEEZE GUARD IS 12". A PORTABLE SNEEZE GUARD MAY BE USED IF THE HEALTH DEPT. APPROVES SIZE AND POSITIONING DURING CONSTRUCTION.

14. ALL CUTTING BOARDS SHALL BE OF NON-WOOD CONSTRUCTION AND N.S.F. APPROVAL.

15. ALL REFRIGERATION EQUIPMENT AND EQUIPMENT FOR HOT STORAGE SHALL HAVE THERMOMETERS WHICH ARE EASILY READABLE IN PROPER WORKING CONDITIONS AND ACCURATE WITHIN RANGE OF PLUS OR MINUS TWO DEGREES.

16. STORAGE SHELVING MUST BE SPECIFIED AS HAVING SMOOTH, NON-ABSORBENT FINISH. THE LOWEST SHELF SHOULD BE 6" ABOVE FLOOR.

17. EXHAUST HOODS MUST MEET ALL MECHANICAL CODE REQUIREMENTS. CANOPY HOODS SHALL EXTEND 6" BEYOND ALL SIDES OF COOKING EQUIPMENT AS MEASURED FROM INSIDE EDGE OF THE GREASE TROUGH. ADEQUATE MECHANICAL MAKE-UP AIR MUST BE PROVIDED TO PRODUCE A BALANCED SYSTEM. (MAKE-UP AIR SHALL EQUAL EXHAUSTED AIR.)

18. TOILET AND DRESSING ROOMS SHALL BE MECHANICALLY VENTILATED BY EXHAUST FAN TO THE OUTSIDE PREMISES. THE EXHAUST FAN WITHIN EACH TOILET ROOM SHALL BE ACTIVATED BY THE SWITCH TO THE LIGHT FIXTURE LOCATED THEREIN AND CAPABLE OF 12 AIR CHANGES PER HOUR.

19. CASTERS 3 "</= FOR ALL FLOOR-MOUNTED EQUIPMENT, INSTALLATION ON 6-INCH LEGS OR COMPLETELY SEALED IN POSITION ON AT LEAST A 4 INCH HIGH CONTINUOUSLY COVED BASE OR CONCRETE CURB.

20. IF A HOT WATER (180 DEGREES F.) SANITIZING RINSE DISHWASHING MACHINE IS INSTALLED IT WILL REQUIRE A TYPE 2 VAPOR HOOD WITH MECHANICAL EXHAUST.

21. ATMOSPHERIC VACUUM BREAKERS OR OTHER APPROVED BACKFLOW PREVENTION DEVICES REQUIRED AT WATER SUPPLY LINES TO SINKS WITH THREADED SPIGOTS, DISHWASHER, GARBAGE DISPOSAL FLUSH LINES, STEAM EQUIPMENT, URINALS, TOILETS, BEVERAGE DISPENSERS, ICE MACHINE, LANDSCAPE IRRIGATION SYSTEMS, AND OTHER FIXTURE WHERE REQUIRED.

22. AT LEAST ONE SINK OR ONE SINK COMPARTMENT SHALL BE AVAILABLE FOR FOOD PREPARATION. FOOD PREP SINKS SHALL HAVE AND INDIRECT SEWER CONNECTION, I.E., FIXED IN-LINE AIR GAP OR DRAIN TO A FLOOR SINK THROUGH AN APPROVED AIR GAP.

23. A SEPARATE WALL-MOUNTED HAND WASHBASIN IS REQUIRED WITHIN OR ADJACENT TO THE FOOD PREP AND PACKAGING AREA. PROVIDE PERMANENTLY MOUNTED SINGLE SERVICE SOAP AND PAPER TOWEL DISPENSERS.

24. ALL SINKS TO BE PROVIDED WITH ADEQUATE HOT AND COLD WATER FROM MIXING FAUCETS.

25. BUILDING SHALL BE INSECT AND RODENT/VERMIN PROOF. EXTERIOR DOORS SHALL BE SELF-CLOSING AND MUST COME WITHIN ¼ OF FLOOR. ALL VENTS AND OTHER OPENINGS TO OUTSIDE NEED TO BE SEALED OR SCREENED. 16-MESH SCREENING IS REQUIRED ON ANY OPERABLE WINDOWS.

26. REUSE CONTAINER SHALL BE MOISTURE AND VERMIN PROOF WITH TIGHT FITTING LIDS.

27. ANY TRASH AND GARBAGE STORAGE AREA RECEIVING FOOD WASTE OR FOOD CONTAINERS MUST HAVE A WATER BIB TO FACILITATE CLEANING. FLOOR, WALLS AND CEILING MUST BE SMOOTH AND CLEANABLE. RECOMMENDED HOT AND COLD-WATER BIB IS AVAILABLE FOR CLEANING. WASTEWATER FROM MANY CLEANING OPERATIONS MUST BE DISPOSED OF AS SEWAGE THROUGH A FLOOR DRAIN IN THE TRASH ENCLOSURE OR EQUIVALENT.

28. PROVIDE A MOP OR BROOM RACK AND CLEANING SOLUTION STORAGE SHELVING AWAY FROM FOOD PREPARATION AND STORAGE AREAS.

29. EMPLOYEE GARMENT CHANGE AREA, SEPARATE FROM RESTROOM, IS REQUIRED. CABINETS OR LOCKERS MUST BE INSTALLED IN THIS AREA.

30. EQUIPMENT SHALL MEET OR BE EQUAL TO APPLICABLE N.S.F. STANDARDS OR IN THE ABSENCE OF APPLICABLE N.S.F. THE ENFORCEMENT OFFICER SHALL APPROVE STANDARDS. SUBMIT DOCUMENTATION OF WRITTEN VERIFICATION THAT ONLY APPROVED COMMERCIAL EQUIPMENT SHALL BE USED.

31. PROVIDE A SPACE OF AT LEAST 1" BETWEEN UTENSIL SINK AND ADJACENT WALL TO AVOID CAULKED CREVICES, WHICH COLLECT WATER AND DEBRIS.

32. WALLS AND CEILINGS OF ALL ROOMS EXCEPT BARS, WHERE FOOD IS STORED IN UNOPENED CONTAINERS, AND DINING AREAS SHALL BE DURABLE, SMOOTH, NON-ABSORBENT AND WASHABLE. WALLS AND CEILINGS SHALL BE LIGHT COLORED. SEE DRAWINGS FOR SCHEDULES.

33. EACH METAL SINK COMPARTMENT MUST BE LARGE ENOUGH TO HOLD THE LARGEST UTENSILS TO BE WASHED IN THE SINK. EVERY UTENSIL SINK MUST HAVE 2 METAL DRAIN BOARDS. EACH DRAIN BOARD MUST BE INTEGRAL AND SHOULD BE AT LEAST AS LARGE AS ONE SINK COMPARTMENT.

34. ALL EXPOSED CONDUIT, PLUMBING, ETC, MUST BE INSTALLED AT LEAST 6" OFF THE FLOOR AND ½" FROM WALLS. ALL EXPOSED FLEX CONDUITS IS TO BE SEAL TIGHT OR EQUIVALENT.

35. THE JUNCTURE AT THE FLOOR AND THE WALL MUST HAVE A COVERED BASE WITH AT LEAST 3/8" RADIUS AND EXTENDING AT LEAST 6 UP THE WALL. STATIONARY FIXTURES OR BUILT-IN EQUIPMENT CAN BE SEALED ON A 4" HIGH 3/6 RADIUS CONCRETE CURB OR COVERED-IN POSITION ON THE FLOOR IT MUST BE COVERED WITH AN APPROVED MATERIAL.

36. PROVIDE AUTOMATIC DOOR CLOSURES ON ALL ENTRY, DELIVERY, RESTROOM AND CHANGE ROOM DOORS.

37. ALL AREAS MUST HAVE SUFFICIENT VENTILATION TO FACILITATE PROPER FOOD STORAGE AND TO PROVIDE A REASONABLE CONDITION OF COMFORT FOR ANY EMPLOYEE; CONSISTENT WITH THE JOB PERFORMED BY THE EMPLOYEE.

38. PROVIDE AT LEAST 1" SPACE BETWEEN SINKS AND SIDEWALL OR ANGLE SIDE SPLASHES TO WALL.

39. ALL WORKING SURFACES SHALL BE SMOOTH AND IMPERVIOUS.

40. WHERE PIPELINES OR CONDUITS ENTER A WALL, CEILING OR FLOOR, THE OPENING AROUND THE LINE SHALL BE TIGHTLY SCALED AND MADE SMOOTH, NONABSORBENT AND EASILY CLEANABLE.

TOILET ROOM NOTES:

TOILET ROOM IS EXISTING:

1. PERMANENTLY INSTALLED SOAP AND SANITARY TOWEL DISPENSERS.
2. TOILET TISSUE DISPENSER.
3. VENTILATION TO THE OUTSIDE AIR THROUGH AN OPENABLE SCREENED WINDOW, OR LIGHT-SWITCH ACTIVATED EXHAUST FAN.
4. SELF-CLOSING DOORS.
5. HAND WASH SINKS WITH HOT/COLD COMINATION WATER FAUCETS.

DOOR SCHEDULE

	DOOR NO.	DOOR MAT'L	FINISH	WIDTH	HT.	HARDWARE SET	REMARKS (ALSO SEE NOTE BELOW) (E) = EXISTING (N) = NEW
(E)	1	MTL/GLASS	ANOD ALUM	3' – 0"	7" – 0"	(E)	W/ SELF CLOSING DEVICE
(E)	2	WOOD	PAINT	3' – 0"	6' – 8"	(N)	DR CLOSURE, LEVER HANDLE PASSAGE LOCKSET PAINT DOOR TO MATCH ADJ. WALL COLOR
(N)	3	MTL	PAINT	3' – 0"	6' – 8"	(N)	DUAL ACTING DOOR W/ MIN 200 SQ IN VIEW PANEL (UBC 1003.3.1.5) SEE DETAIL 3
(N)	4	MTL	GALV. MTL	3' – 0"	6' – 7"	(N)	INSULATED COOLER OR FREEZER DOOR

DOOR NOTES

1. ALL DOORS 1 3/8" THICK UNLESS OTHERWISE NOTED. (DOORS WITH GLASS LITE SHALL BE 1 ¾" THICK)

2. PROVIDE STOPS AT ALL DOORS AS APPLICABLE TO ADJACENT WALL AND DOOR SWING; ALL WITH SELF CLOSING MECHANISM.

3. HARDWARE ON ALL DOORS SHALL MEET HANDICAP HEIGHTS, CLOSURE PRESSURE. THRESHOLD SHALL NOT BE MORE THAN ½" HIGH. PRESSURE SHALL NOT EXCEED 5 LBS. ON EXTERIOR AND INTERIOR DOORS, 15 LBS. FOR FIRE DOORS. HARDWARE HEIGHT TO MEET REQUIREMENT OF 34" TO 44" CENTERLINE OFF MOUNTING.

4. NO FLOOR TRANSITION OR THRESHOLD SHALL BE HIGHER THAN 1/2" (HANDICAP REQUIREMENT).

5. WHERE NECESSARY, UNDERCUT DOORS 1" TO ALLOW VENTILATION. SEE MECHANICAL DRAWINGS.

6. DOORS AND FRAMES TO BE PREPARED FOR RELATED HARDWARE. IF NECESSARY, REINFORCE DOORS AND FRAMES AS REQUIRED BY HARDWARE.

7. FIRE DOORS, FRAMES, HARDWARE AND ALL OTHER DOORS OPERATION SHALL BE IN STRICT COMPLIANCE WITH ALL APPLICABLE CODES.

8. PROVIDE ALL ACCESSORIES, COMPONENTS, ASSEMBLIES AND RELATED HARDWARE (EVEN IF NOT SPECIFIED) SO AS TO MAKE COMPLETE AND READY FOR USE..

9. GENERAL CONTRACTOR TO PROVIDE ON 12" EQUILATERAL TRIANGLE SIGN FOR MEN AND 12" DIAMETER CIRCLE FOR WOMEN ON TOILET DOORS WITH RAISED LETTER AND BRAIILE SIGNAGE AT LATCH OUTSIDE RESTROOMS ENTRANCE DOOR(S). MOUNTED 60" ABOVE TILE FLOOR AND SITUATED TO ALLOW AN INDIVIDUAL TO APPROACH WITHIN 3".

10. ALL EGRESS DOORS SHALL BE OPENABLE FROM THE EGRESS 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 MUST REMAIN UNLOCKED WHILE THIS SPACE IS OCCUPIED". 2016 CBC 1010.1.9.3

11. ALL EXTERIOR & RESTROOM DOORS TO HAVE SELF-CLOSING DEVICES; GAPS UNDER EXTERIOR DOORS NOT TO EXCEED 1/4".

12. LOWER 10" OF DOOR SURFACE IS PROVIDE WITH A SMOOTH SURFACE FOR THE FULL WIDTH OF THE DOOR, AT THE PUSH SIDE OF THE DOOR PER CBC 11B-404.2.10.

CEILING / LIGHTING NOTES:

1. PROVIDE PLASTIC TUBE GUARDS WITH PLASTIC END HOLDERS FOR EXPOSED FLUORESCENT LAMPS IN FOOD PREPARATION AREAS OR IN AREAS WHERE FOOD IS EXPOSED.

2. LIGHT FIXTURES IN AREAS WHERE FOOD IS PREPARED OR WHERE OPEN FOOD IS STORED OR WHERE UTENSILS ARE CLEANED MUST HAVE SHATTER PROOF SHIELDS AND SHALL BE READILY CLEANABLE. SAFETY SHIELD TO MEET OSHA, FDA, AND USDA REQUIREMENTS.

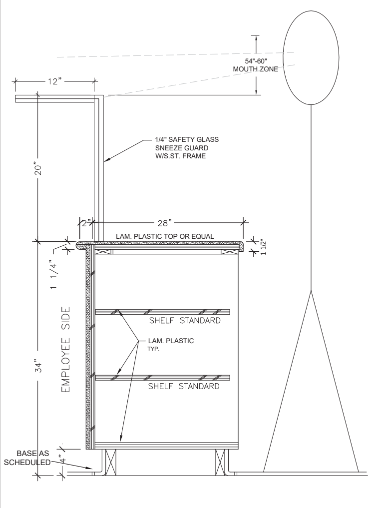
3. ALL FLUORESCENT LAMPS TO BE "COOL WHITE." NO SUBSTITUTIONS.

4. IN EVERY ROOM & 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' CANDLES AT A DISTANCE OF 30" ABOVE THE FLOOR, IN WALK-IN REF. UNITS & DRY FOOD STORAGE AREAS.

(b) AT LEAST 20' CANDLES FOR THE FOLLOWING:
i. AT A SURFACE WHERE FOOD IS PROVIDED FOR CONSUMER SELF-SERVICE OR WHERE FRESH PRODUCE OR PREPACKAGED FOODS ARE SOLD OR OFFERED FOR CONSUMPTION.
ii. INSIDE EQUIPMENT SUCH AS REACH-IN AND UNDER-COUNTER REFRIGERATORS, HOT HOLD EQUIPMENT, & OVENS.
iii. AT A DISTANCE OF 30" ABOVE THE FLOOR IN AREAS USED FOR HANDWASHING, WAREWASHING, & EQUIPMENT & UTENSIL STORAGE, & IN TOILET ROOMS.

(c) AT LEAST 50' CANDLES AT A SURFACE WHERE A FOOD EMPLOYEE IS 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.

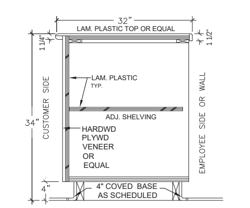


1 SECTION - SNEEZE GUARD/CTR

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

NOTE: NON NSF COUNTERS & CABINETS WILL HAVE PLASTIC LAMINATION INSIDE & OUT (OR S.S. COUNTER TOP), AND THE FLOOR MATERIAL WILL HAVE A CONTINUOUS COVED BASE ON THE EMPLOYEE SIDE.

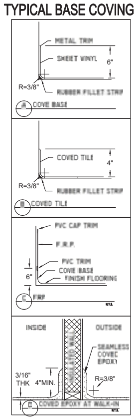
CONSTRUCTION MUST BE OF CABINET QUALITY WITH ALL SURFACES SMOOTH AND ALL CRACKS AND CREVICES SEALED WITH A CAULKING-TYPE SEALANT.

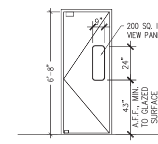


2 SECTION - COUNTER

SCALE: 1" = 1'-0"

TYPICAL BASE COVING





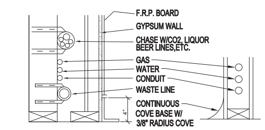
3 ELEVATION - DUAL-ACTING DR

N.T.S.

"ELIASON SCP-1" OR EQUAL

1. ALL FINAL FINISHES INCLUDING COLORS (SMOOTH WITH NO TEXTURE).
2. TYPE OF FLOOR COVERING EXTENDING UP THE WALL CONTINUOUSLY 4" WITH 3/8" RADIUS COVE.
3. CONDUIT, PIPES AND WASTE LINES WITHIN THE WALL.
4. CHASES FOR: C02, SYRUP, LIQUOR, BEER, SODA, WINE, ETC.
5. VALVES MUST BE ACCESSIBLE.

EXCEPTIONS WILL BE GRANTED ONLY IF SO STATED IN THE UMC, UPC, UBC, AND UEC. IF SOLID WALLS, SUCH AS CONCRETE BLOCK ARE ENCOUNTERED, FUR THE WALL OUT TO CONCEAL THE CONDUIT PIPES, ETC.



4 TYPICAL WALL/COUNTER BASE

SCALE: N.T.S.

ROOM FINISH SCHEDULE

ALL FINISHES ARE NEW UNLESS INDICATED OTHERWISE

		RESTROOM	DINING AREA	WALK-IN COOLER	WASH AREA	KITCHEN		NOTE
		1						
FLOOR							CARPET AND PAD, MAX FILE HT OF 1/2" IF NO PAD-BACKING	
			●	●	●	●	SEAMLESS POURED EPOXY FINISH 3/16th INCH THK, DEX-O-TEX CHEMINERT K OR EQUAL	
		●					EXISTING CERAMIC TILE	
							SOLID SHEET VINYL, COMMERCIAL GRADE (ALTRO STRONGHOLD 30 OR EQUAL), HEAT WELD SEAMS	
							6" X 6" QUARRY TILE W/ GREASE RESISTANT EPOXY GROUT	
							NSF APPROVED PANEL INSULATED FLOOR	
BASE							4" INTEGRAL METAL COVE, APPLY COMMERCIAL GRADE SEALANT BETWEEN BASE AND PANEL	
							INTEGRAL COVED SHEET VINYL, CONTINUOUS W/ 3/8" RAD.	
							COVED WOOD MOLDING	
				●	●	●	4" INTEGRAL COVED EPOXY W/ 3/8" RAD	
		●					4" COVED CERAMIC TILE, CONTINUOUS W/ 3/8" RAD.	
WALLS		●			●	●	5/8" TYPE "X" GYPSUM BOARD	3
		●				●	**(E) CERAMIC TILE (TO 4' ABOVE COVED BASE)**	
		●				●	**SMOOTH FINISHES, WITHOUT TEXTURE; PAINTED SURFACES TO BE OIL OR ENAMEL BASED (SEMI GLOSS)**	
				●			STUCCO GALVANIZED STEEL	
						●	STAINLESS STEEL SHEET (BACK & SIDE OF HOOD TO FLOOR)	
					●		FRP BOARD FULL HEIGHT TO CEILING @ AREAS BEHIND SINKS & OTHER WET EQUIPMENT	
CEILING		●					EXISTING HARDLID CEILING (PAINT AS NEEDED)	
		●					SMOOTH, CLEANABLE, NO TEXTURE, LITE COLOR, OIL OR ENAMEL BASED PAINT	
					●	●	T-BAR GYP BD CEILING W/ REMOVABLE SMOOTH AND WASHABLE TILE	2
			●				T-BAR GYP BD CEILING W/ ACOUSTICAL CORRUGATED TILE LAY-IN	4
							EXPOSED CEILING PAINTED BLACK	
				●			STUCCO GALVANIZED STEEL	

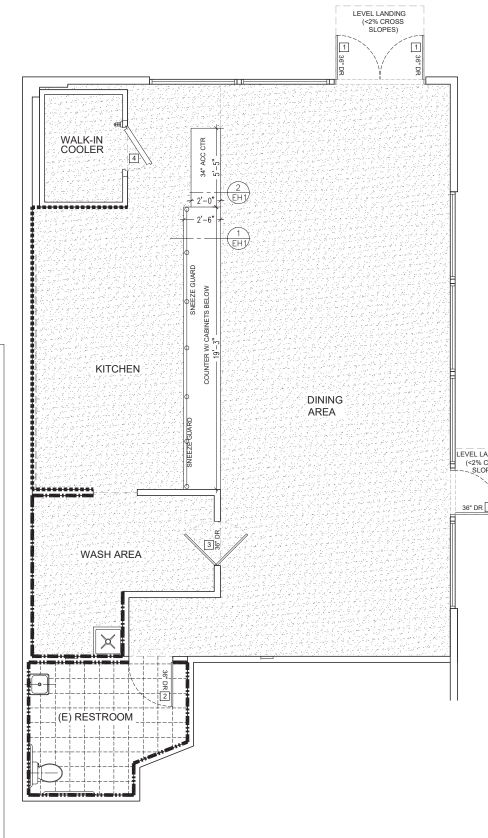
FINISH NOTES

1. RESTROOM IS EQUIPED W/ TOILET PAPER ROLL DISPENSER, SOAP & PAPER TOWEL DISPENSER, TOILET COVER DISPENSER, MIRRORS, A.D.A. APPROVED GRAB BARS; SEE TOILET ROOM NOTES THIS PAGE. LOCATION REQ. DETAILS (FOR BLDG. DEPT. ONLY) ON SHEET A-3.
2. NEW SMOOTH & WASHABLE TILE OVER FOOD PREP AREAS
3. ALL WALLS BEHIND SINKS TO HAVE APPROVED WAINSCOT TO A MIN. OF 4' HGIH FROM TOP OF THE BASE COVE BEHIND ALL SINKS.
4. EXISTING TO REMAIN; PATCH, REPAIR, & REPLACE TILE AS NECESSARY

WALLS WITH (E) CERAMIC PORCELAIN TILE ARE DESIGNATED BY:

WALLS WITH FRP ARE DESIGNATED BY:

WALLS WITH S.S. SHEET ARE DESIGNATED BY:



FINISH FLOOR PLAN

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

REV.	DATE	NO.

TAKAMI ENGINEERING GROUP, INC.
Harold E. Howell, P.E.
1041A Folger Ave., Berkeley CA 94710
510.549.0440 fax: 510.704.1975

Exp. 06-30-21
Civil
STATE OF CALIFORNIA

GLENN CUNNINGHAM, DESIGNER
BULL'S EYE CADD
434 45TH AVENUE
SAN FRANCISCO, CA 94121
c. (510) 301-3005
o. (415) 666-3624
E-MAIL: glenncc@att.net

T.I. - TAPSILOG BISTRO

1998 HOMESTEAD ROAD #121
SANTA CLARA, CA 95050

Date: 10/7/19

Drawn: GCC

Sheet: EH-1

STATE OF CALIFORNIA

COMMERCIAL KITCHEN REQUIREMENTS

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-PRC-03-E
Commercial Kitchen Requirements	(Page 1 of 2)
Project Name: TAPSILOG BISTRO	Date Prepared: 10/7/19

KITCHEN ROOM NUMBER:	"KITCHEN"
TOTAL INSTALLED TYPE I and II KITCHEN HOOD EXHAUST (CFM):	4,000 CFM
TOTAL BYPASS HOOD MUA (CFM):	--
TOTAL TRANSFER AIR AIRFLOW (CFM):	--
TOTAL MECHANICALLY HEATED OR COOLED MAKE UP AIR (CFM):	3,600 CFM
TOTAL AIR NEEDED FOR HEATING OR COOLING (CFM):	--
TOTAL EXHAUST AIR WITH DEMAND VENTILATION SYSTEMS:	--

Equipment Tags and System Description

PRESCRIPTIVE MEASURES	T-24 Sections	Reference to the Requirements in the Contract Documents[1]		
Bypass Hood Exhaust and MUA	140.9(b)1A			
Type I/II Hood Exhaust	140.9(b)1B, Table 140.9-A	M1, M2, M3, M4		
Mechanically Heated or Cooled Make Up Air	140.9(b)1A and B	M1, M3		
Replacement Air/Transfer Air Exhaust	140.9(b)1B			
Demand Ventilation Systems	140.9(b)2Bi			
Energy Recovery Systems	140.9(b)2Bii			
Tempered/Non Mechanical Cooling Air Systems	140.9(b)2Biv			

STATE OF CALIFORNIA

COMMERCIAL KITCHEN REQUIREMENTS

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-PRC-03-E
Commercial Kitchen Requirements	(Page 2 of 2)
Project Name: TAPSILOG BISTRO	Date Prepared: 10/7/19

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

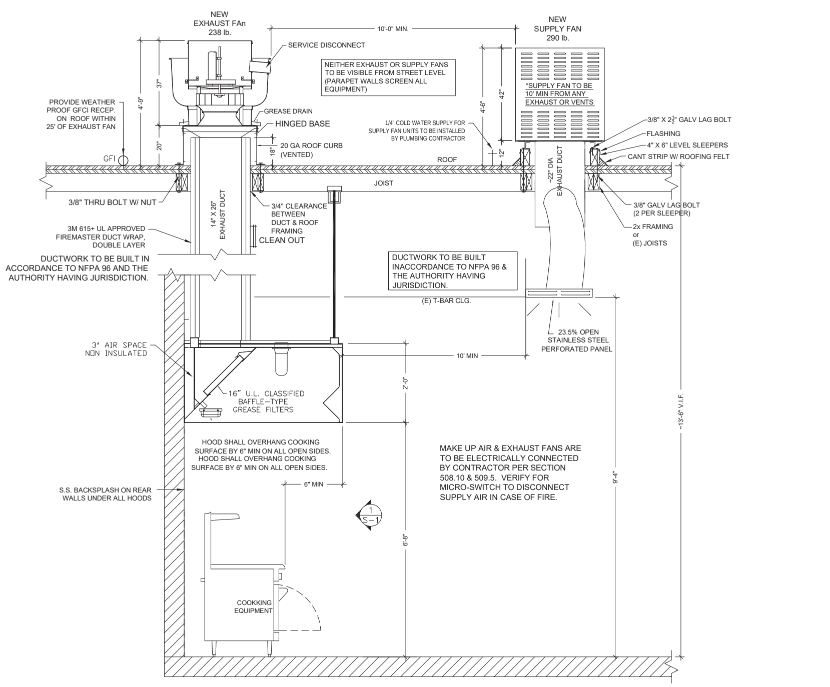
Documentation Author Name: GLENN CUNNINGHAM	Documentation Author Signature: [signature]
Company:	Signature Date: 10/7/19
Address: 434 45TH AVENUE	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: SAN FRANCISCO, CA 94121	Phone: 415-666-3624

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

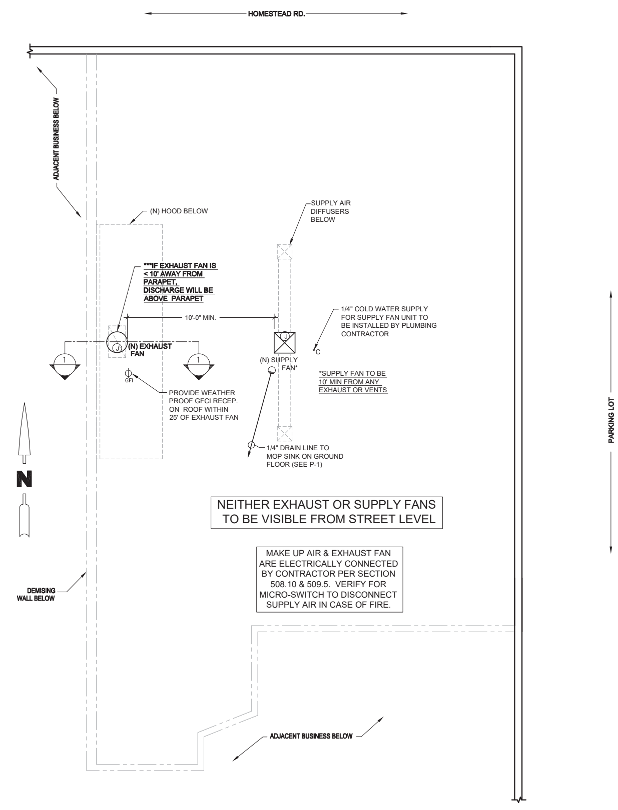
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy 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(s) 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: GLENN CUNNINGHAM	Responsible Designer Signature: [signature]
Company:	Date Signed: 10/7/19
Address: 434 45TH AVENUE	License:
City/State/Zip: SAN FRANCISCO, CA 94121	Phone: 415-666-3624



1 ELEVATION (SIDE)- EXHAUST & SUPPLY DUCTS

N.T.S.



2 ROOF PLAN

1/4" = 1'-0"

(J) = JUNCTION BOX

REV.	DATE	NO.

REGISTERED PROFESSIONAL ENGINEER — Exp. 06-30-21 — Civil — STATE OF CALIFORNIA

TAKAMI ENGINEERING GROUP, INC.
Harold E. Howell, P.E.
1041A Folger Ave., Berkeley CA 94710
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T.I. - TAPSILOG BISTRO

1998 HOMESTEAD ROAD #121
SANTA CLARA, CA 95050

Date: 10/7/19
Drawn: GCC
Sheet: M-1

HOOD INFORMATION – Job#4001167

HOOD NO.	TAG	MODEL	LENGTH	MAX. COOKING TEMP.	APPLIANCE DUTY	DESIGN CFM/Ft	TOTAL EXH. CFM	EXHAUST PLENUM RISER(S) WIDTH	LENG.	HEIGHT	DIA.	CFM	VEL.	S.P.	HOOD CONSTRUCTION	HOOD CONFIG. END TO END	ROW
1		5424 EX-2	16' 0"	600 Deg.	Heavy	250	4000	14"	26"	4"		4000	1582	-0.503"	430 SS Where Exposed	ALONE	ALONE

HOOD INFORMATION

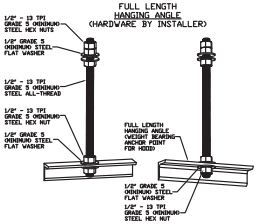
HOOD NO.	TAG	FILTER(S) TYPE	QTY.	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	LIGHT(S) QTY.	TYPE	WIRE GUARD	UTILITY CABINET(S) LOCATION	SIZE	FIRE SYSTEM TYPE	FIRE SYSTEM SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY	FIRE SYSTEM PIPING	HOOD HANGING VGHT
1		SS Baffle with Handles	12	20"	16"	30%	5	L55 Series E26	NO							NO	573 LBS

HOOD OPTIONS

HOOD NO.	TAG	OPTION
1		LEFT END STANDOFF (FINISHED) 1" Wide 54" Long Insulated
		INSULATION FOR BACK OF HOOD
		LEFT WALL AS END PANEL

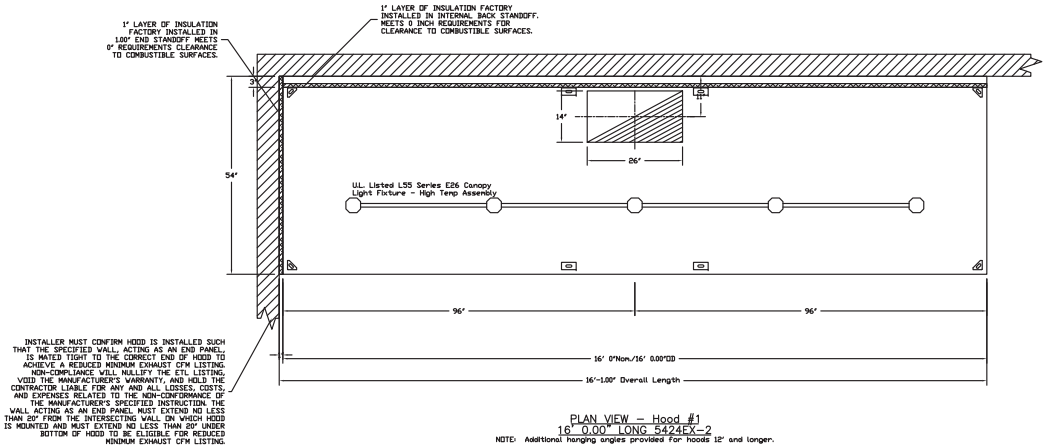
PATENT NUMBERS

Exhaust Hoods ND-2/BD-2/SND-2 (Canada) - CA Patent 2520435 C

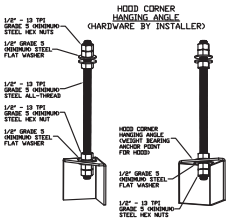


ASSEMBLY INSTRUCTIONS

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



PLAN VIEW – Hood #1
16' 0.00" LONG 5424EX-2
NOTE: Additional hanging angles provided for hoods 12' and longer.



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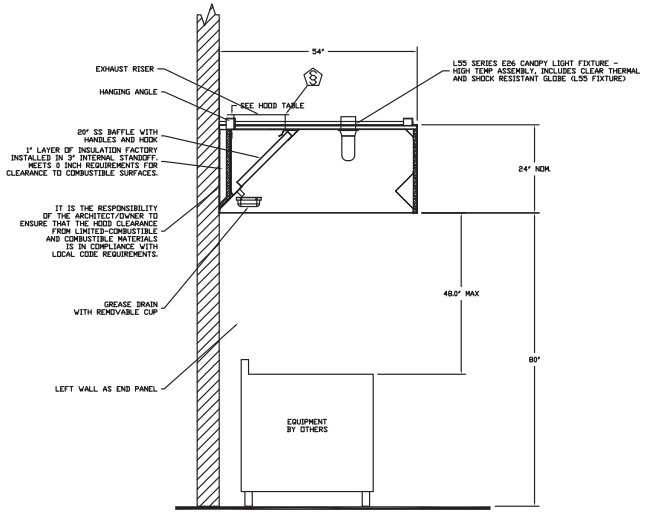


SECTION VIEW – MODEL 5424EX-2
HOOD – #1

FOR QUESTIONS, CALL THE CAPTIVE-AIRE SYSTEMS CENTRAL CALIFORNIA OFFICE
Region 91
8 ADRIAN COURT
BURLINGAME, CA 94010
PHONE: (415) 956-2200
EMAIL: REG91@CAPTIVEAIRE.COM

ECON-AIR HOODS ARE BUILT IN COMPLIANCE WITH
NFPA #96
UL 710 & ULC 710 STANDARDS
E.T.L. LISTED 3048614-001

KLEEN-GARD FILTERS ARE BUILT IN COMPLIANCE WITH
NFPA #96
NSF STANDARD #2
UL STANDARD #1046
INT. MECH. CODE (IMC)

Exp. 06-30-21
Civil
STATE OF CALIFORNIA

REVISIONS

DESCRIPTION	DATE

ECON-AIR
www.econair.com
Central CA
8 Adrian Court, Burlingame, CA 94010 PHONE: (415) 956-2200 FAX: (619) 227-5940 EMAIL: reg91@econair.com

Tapsilog Bistro -
SAN JOSE, CA,

DATE: 9/30/2019

DWG.#: 4001167

DRAWN BY: TT-91

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

MASTER DRAWING

M-2

SHEET NO. 1

EXHAUST FAN INFORMATION – Job#4001167

FAN UNIT NO.	TAG	FAN UNIT MODEL #	CFM	ESP.	RPM	H.P.	B.H.P.	ø	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS.)	SONES
1		EABDU24HP	4000	1.000	886	1.500	1.1590	1	230	6.0	909 FPM	238	16.9

FAN OPTIONS

FAN UNIT NO.	TAG	OPTION (Qty. – Descr.)
1		1 – Grease Box
		1 – Fan Base Ceramic Seal – Installed At Plant – For Grease Ducts

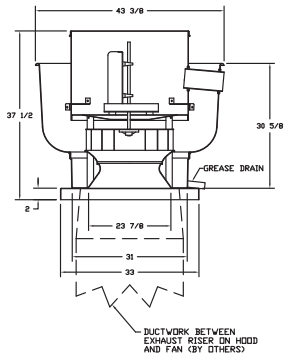
FAN ACCESSORIES

FAN UNIT NO.	TAG	EXHAUST			SUPPLY			
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1		YES						

CURB ASSEMBLIES

NO.	ON FAN	WEIGHT	ITEM	SIZE
1	# 1	48 LBS	Curb	31.500"W x 31.500"L x 20.000"H Vented Hinged

FAN #1 EABDU24HP – EXHAUST FAN



FEATURES:

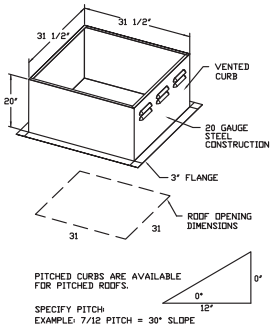
- ROOF MOUNTED FANS
- RESTAURANT MODEL
- UL705 AND UL762 AND ULC-S645
- AMCA SOUND AND AIR CERTIFIED
- WIRING FROM MOTOR TO DISCONNECT SWITCH
- WEATHERPROOF DISCONNECT
- HIGH HEAT OPERATION 300°F (149°C)
- GREASE CLASSIFICATION TESTING

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

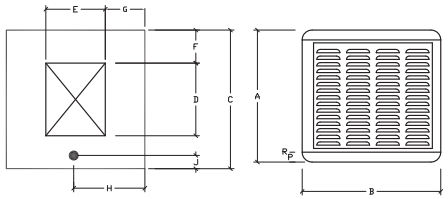
ABNORMAL FLARE-UP TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS

GREASE BOX.
FAN BASE CERAMIC SEAL – INSTALLED AT PLANT – FOR GREASE DUCTS.



PHOENIX / FRIGIKING – DOWN DISCHARGE



FEATURES

ALL WELDED, HOT DIPPED GALVANIZED STEEL CABINET.

MULTILAYER BOTTOM PAN FINISH

PEBLAR XT ARCHITECTURAL FINISH

HEAVY DUTY MOTOR AND PUMP

NOTES

RESIDENTIAL UNITS ARE 1 PHASE ONLY

MOTORS ARE SHIPPED LOOSE

COOLER CAN BE ORDERED AS A DOWN DISCHARGE OR END DISCHARGE

SUPPLY AIR UNIT DIMENSIONAL DATA

MODEL	CABINET DIMENSIONS											APPROX WT.	
	A	B	C	D	E	F	G	H	J	K	P	R	OPER	SHIP
FRIGIKING 650FD	42.25	37	37	19.875	19.875	3.875	8.5625	8.5	5.25	–	–	–	290	177

FAN INFORMATION

FAN UNIT NO.	FAN UNIT MODEL #	EXHAUST FAN									SUPPLY FAN								
		MODEL	TAG	CFM	S.P.	RPM	H.P.	ø	VOLT	FLA	BLOWER	HOUSING	TAG	CFM	S.P.	RPM	H.P.	ø	VOLT	FLA
2	PHOENIX / FRIGIKING MUA-1										650FD	DOWN DISCH		3600	.5	446	.75	1	115	13.8

ECON-AIR
Central CA
8 Adrian Court, Burlingame, CA 94010 PHONE: (415) 956-2200 FAX: (619) 227-5940 EMAIL: rag91@econair.com
www.econair.com

REVISIONS

DESCRIPTION	DATE

Tapsilog Bistro – SAN JOSE, CA,

DATE: 9/30/2019

DWG.#: 4001167

DRAWN BY: TT-91

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

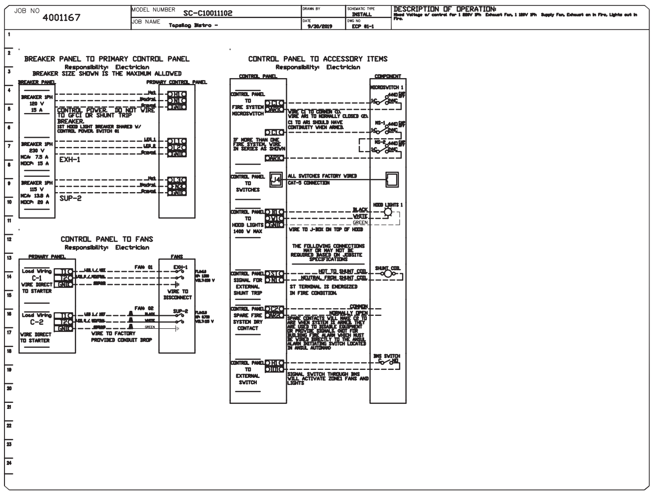
MASTER DRAWING

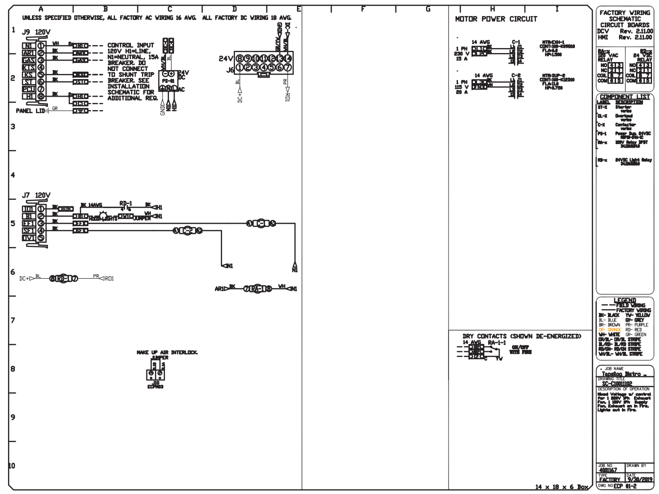
M-3

SHEET NO. 2

ELECTRICAL PACKAGE – Job#4001167

NO.	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED				
				LOCATION	QUANTITY		TYPE	?	H.P.	VOLT	FLA
1		SC-C10011102	Wall Mount In SS Box	05 - SS Wall Mount Box	1 Light 1 Fan	Smart Controls Basic	Exhaust	1	1.500	230	6.0
							Supply	1	0.750	115	11.0

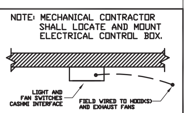


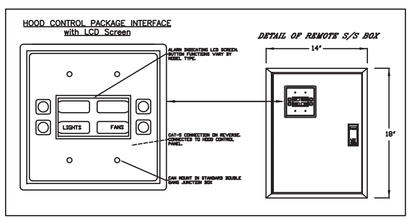


ELECTRICAL PACKAGE NOTES

1. A PRE-WIRED ELECTRICAL CONTROL PACKAGE SHALL BE PROVIDED TO OPERATE THE HOOD LIGHTS AND FANS.
2. PACKAGE SHALL CONSIST OF SWITCH PANEL WITH LIGHT SWITHCH(ES) AND RED-LIGHTED FAN SWITCH(ES), STARTER/OVERLOAD ASSEMBLY FOR EACH FAN(OPTIONAL), NUMBERED INPUT/OUTPUT TERMINAL STRIPS, AND A TERMINAL FOR DOUBLE-DUAL FIRE SYSTEM MICROSWITCH CONNECTION.
3. ONE RELAY IS WIRED TO MICROSWITCH (IN FIRE SYSTEM) FOR SUPPLY FAN SHUTDOWN AND OTHER RELAY FOR ADDITIONAL FIRE SYSTEM ACTIVATED DRY CONTACTS.
4. ELECTRICAL CONDUIT DROPS FROM THE FAN(S) SHALL BE CONNECTED TO THE NUMBERED TERMINAL STRIP. CONDUIT BETWEEN THE PRE-WIRE PACKAGE AND FAN(S) SHALL BE SUPPLIED BY THE ELECTRICAL CONTRACTOR.

NOTE: MECHANICAL CONTRACTOR SHALL LOCATE AND MOUNT ELECTRICAL CONTROL BOX.





REVISIONS

	DESCRIPTION	DATE:
△		
△		
△		
△		

ECON-AIR

Central CA

www.econair.com

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

Tapsilog Bistro -

SAN JOSE, CA,

DATE: 9/30/2019

DWG.#: 4001167

DRAWN BY: TT-91

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

MASTER DRAWING

M-4

SHEET NO. 3

GREASE TRAP SIZING FOR GT-1

FLOW RATE = NUMBER OF COMP. x L x W x D / 231 x 75% FILL FACTOR / DRAIN PERIOD

	LENGTH (IN.)	WIDTH (IN.)	DEPTH (IN.)	BOWLS	LOAD(GAL)
3-COMPARTMENT SINK	18	18	12	3	38
PREP SINK (FLOOR SINK)	18	18	12	1	13
MOP SINK	20	20	12	1	16
ICE MACHINE (FLOOR SINK)					1
HAND SINK					3
FLOOR SINK					3
				LOAD	74
FLOW RATE FOR 1-MINUTE PERIOD GPM MINIMUM FLOW RATE					74
REQUIRES A "PDI" SIZE OF GPM MINIMUM GREASE TRAP					75
DESIGNED GREASE TRAP CAPACITY (GPM/LBS)					75/95

SIZING METHOD WAS BASED ON THE PDI RECOMMENDED GREASE TRAP SIZING, CPC, TABLE 1014.2.1

GAS LOAD AND PIPE SIZING

ID	DESCRIPTION	BTU/Hr	PIPE SIZE
1	FRYER, DEEP FAT	120,000	1"
1	FRYER, DEEP FAT	120,000	1"
2	RANGE, GAS	227,000	1-1/4"
3.1	GRIDDLE 36", GAS	90,000	3/4"
3.2	GRIDDLE 24", GAS	60,000	3/4"
4	STOVE, STOCK POT	64,000	3/4"
4	STOVE, STOCK POT	64,000	3/4"
	BRACH TOTAL	745,000	2"
GWH-1	WATER HEATER	55,000	
	BRACH TOTAL	55,000	3/4"
	BRACH TOTAL	800,000	2"

TOTAL LENGTH OF PIPE FROM THE GAS METER TO THE MOST REMOTE UNIT IS APPROX. 80 FEET
1.5 X FOR ELBOWS = 120 FEET (DEVELOPED LENGTH)
NATURAL GAS WITH 0.60 SPECIFIC GRAVITY,
PRESSURE DROP OF 0.5" WC, GAS PRESSURE INLET OF 0.25 PSI, 7"WC OUTLET

WATER HEATER SIZING

BASED ON SANTA CLARA COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH - GUIDELINES FOR SIZING WATER HEATERS)

FIXT. ID	DESCRIPTION OF EQUIPMENT	QTY.	DEMAND (GPH) @ 120°F	TOTAL (GPH)
SK-1	3-COMPARMENT SINK	1	42	42
SK-2	PREP SINK	1	10	10
SK-3	HAND SINK	2	5	10
LV-1	LAVATORY	1	5	5
MS-1	MOP SINK	1	15	15
			TOTAL	82
	HOT WATER DEMAND =		82	GPH
	DISHWASHER DEMAND =		0	GPH
	HOT WATER DEMAND (SUB-TOTAL) =		82	GPH
	USAGE FACTOR FOR FOOD SERVICE =		60	%
	TOTAL HOT WATER DEMAND =		49	GPH
	WATER TEMP RISE =		80	DegF
	MINIMUM POWER FOR THE WATER HEATER			
	BTU input = GPH X Rise X 8.33 lb/gallon of water / Thermal Efficiency		39984	BTU
	THERMAL EFFICIENCY =		82	EF
	HOT WATER HEATER RECOMMENDED =		55,000	BTU
	STORAGE CAPACITY =		48	GALLONS

COLD WATER PIPING SIZING VELOCITY NOT TO EXCEED 8 FEET PER SECOND				
PIPE DIA	GPM	FT FIXT UNIT	FV FIXT UNIT	VELOCITY FPS
½"	5.8	6	--	8.0
¾"	12.1	16	--	8.0
1"	20.6	30	--	8.0

HOT WATER PIPING SIZING VELOCITY NOT TO EXCEED 5 FEET PER SECOND				
PIPE DIA	GPM	FT FIXT UNIT	FV FIXT UNIT	VELOCITY FPS
½"	3.6	3	--	5.0
¾"	7.5	8	--	5.0
1"	12.9	16	--	5.0

PIPING INSULATION SCHEDULE

FLUID TEMPERATURE RANGE; 105-140(°F)

PIPE SIZE:	< 1"	1" TO <1.5"	1.5" TO < 4"
INSULATION THICKNESS	1.0"	1.5"	1.5"

ALL INSULATION SHALL HAVE R VALUES OF 4.0 TO 4.6 PER INCH

PLUMBING FIXTURE SCHEDULE

FIXTURE ID	DESCRIPTION	MANUFACTURER	MODEL	ROUGH-IN (inches) w	V	CW	HW	G	REMARKS
GWH-1	GAS WATER HEATER	BRADFORD WHITE	ULG2PV50H5 63N	–	–	¾	¾	¾	48 GALLON CAPACITY, 56,000 BTU/HR GAS INPUT, ULTRA LOW NO 53 GALLONS FIRST HOUR RECOVERY, 3" EXHAUST VENT, NEEDS 110V ELECTRICAL OUTLET FULL LINE SIZE T&P RELIEF DISCHARGE TO MOP SINK VIA 2" AIR GAP
FS-1	FLOOR SINK	ZURN	Z415D	SEE PLANS	2	–	–	–	12" X 12" RECEPTOR 6" SUMP DEPTH, WITH HALF GRATE
FD-1	FLOOR DRAIN	ZURN	ZS-890	SEE PLANS	–	–	–	–	TYPE-B STRAINER, NICKEL BRONZE, DURA-COATED CAST IRON, NO-HUB WITH 1/2" TRAP PRIMER CONNECTION.
TP-1	TRAP PRIMER	PRECISION PLUMBING PRODUCTS	P2 500	–	–	½	–	–	CORROSION RESISTANT, INSTALL AT LEAST 12" ABOVE THE TRAP TO INSURE PROPER FLOW, 1/2" MALE INLET, 1/2" FEMALE OUTLET PROVIDE AND INSTALL ACCESS PANEL
WHA-1	WATER HAMMER ARRESTOR	MIFAB	MWH-A	–	–	½	–	–	1-11 FU, 1/2" MPT CONNECTION
WCO-1	WALL CLEANOUT	ZURN	ZN-1468	SAME AS PIPE	–	–	–	–	SAME AS PIPE, POLISHED BRONZE
ET-1	EXPANSION TANK	AMTROL	ST-5-C	–	–	¾	–	–	2.0 GALLON CAPACITY; 0.45 ACCEPTANCE FACTOR 10 LBS TOTAL OPER. WT.
FCO-1	FLOOR CLEANOUT	ZURN	ZN-1400	SAME AS PIPE	–	–	–	–	SAME AS PIPE, BRONZE COVER
MV-1	MIXING VALVE	WILKINS	ZW3870XLT	–	–	½	–	–	SET OUTLET TEMPERATURE TO 110°F MAXIMUM, TO BE MOUNTED
MS-1	MOP SINK	FLORESTONE	87	3	2	½	½		FLOOR MOUNT, 24"x24"x12" DEEP WITH WALLMOUNT DELTA FAUCET # 28T9, 8" CENTERS, 2 HANDLES, INTEGRAL STOPS, VACUUM BREAKER, HOSE-END SPOUT, WALL BRACE
RPZ-1	REDUCED PRESSURE ZONE ASSEMBLY	WATTS	SERIES 009	–	–	½	–	–	BRONZE BODY, DOUBLE CHECK VALVE AND DRAIN CONNECTION.
F-1	WATER FILTER	MANITOWOCK	ARCTIC PURE AR-40000	–	–	½	–	–	LONG FILTER HOUSINGS, 1/2" INLET/OUTLET WITH SEDIMENT AND CARBON CARTRIDGE FILTERS MOUNT 5FT ABOVE FINISHED FLOOR
GT-1	GREASE TRAP	THERMACO, TRAPZILLA	TZ-600 ECA	4"	2"				95 LBS CAPACITY, 75 GPM FLOW, 4" INLET/OUTLET WITH 1 MINUTE FLOW CONTROL DEVICE. PROVIDE WITH LID EXTENSION. DIAMOND SHAPE STAMPED COVER. VENT TO ROOF.

PLUMBING FIXTURE BY OTHERS (SHOWN FOR REFERENCE)

KITCHEN ITEM	FIXTURE ID	DESCRIPTION	MANUFACTURER MODEL	ROUGH-IN W	V	CW	HW	REMARKS
11	SK-2	PREP SINK W/DRAINBOARD	SEE A-2 DRAWING	2"	1-1/2"	1/2"	1/2"	COORDINATE WITH OWNER FOR FAUCET REQUIREMENTS FAUCET WITH 1.5 GPM AERATOR
12	SK-1	3-COMP SINK	SEE A-2 DRAWING	3"	2"	1/2"	1/2"	PREP SINK 3 TUB WITH DRAIN BOARDS FAUCETS 2.2 GPM FLOW RATE AERATOR
10	SK-3	HAND SINK	SEE A-2 DRAWING	2"	1-1/2"	1/2"	1/2"	WITH CHICAGO 4" CENTERS SWING GOOSENECK SPOUT AND 0.5 AERATOR.

PLUMBING FIXTURE LOAD CALCULATION

KITCHEN ITEM NUMBER	FIXTURE ID	DESCRIPTION	QUANTITY	SANITARY F.U. EACH	SANITARY F.U. TOTAL	WATER F.U. COLD EACH	WATER F.U. COLD TOTAL	WATER F.U. HOT EACH	WATER F.U. HOT TOTAL
12	SK-1	3-COMPARTMENT SINK	1	3	3	3	3	3	3
11	SK-2	PREP-SINK	1	2	2	2	2	2	2
10	SK-3	HAND SINK	2	1	2	1	2	1	2
13	MS-1	MOP SINK	1	3	3	3	3	3	3
	LV-1	LV-1 (EXISTING)	1	1	1	1	1	1	1
	WC-1	WC-1 (EXISTING)	1	4	4	2.5	2.5	0	0
		TOTAL			15		13.5		11.0

UTILITY LOAD

COLD WATER FIXTURES UNITS = 13.5
HOT WATER FIXTURES UNITS = 11

	SANITARY SEWER	MINIMUM SIZE REQUIRED	3"	19 FU
	COLD WATER		1"	(11.0CW + 11HW) X 0.75 + 2.5CW = 19 FU = 13.0 GPM

PROVIDE NEW 4" AND CONNECT TO EXISTING 4" SEWER LINE

PLUMBING LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
	CW	COLD WATER PIPING
	HW	HOT WATER PIPING
	HWR	HOT WATER RETURN PIPING
— TW —	TW	TEMPERED WATER PIPING
	S OR W	SOIL OR WASTE PIPING
	V	VENT PIPING
— G —	G	NATURAL GAS (LOW PRESSURE) PIPING
— CD —	CD	CONDENSATE DRAIN PIPING
— D —	D	INDIRECT DRAIN PIPING
	WHA	WATER HAMMER ARRESTOR
	P.O.C.	POINT-OF-CONNECTION
		CAPPED
		UNION
	UP	PIPE UP
	DN	PIPE DOWN
	DN	PIPE TEE DOWN
	BV	BALL VALVE
	CV	CHECK VALVE
	PUMP	
	FCO	FLOOR CLEANOUT
	WCO	WALL CLEANOUT
		GAS COCK WITH UNION
	AG	ABOVE GROUND
	AFF	ABOVE FINISHED FLOOR
	BG	BELOW GROUND
	(E)	EXISTING
	IE	INVERT ELEVATION
	(N)	NEW
	QTY.	QUANTITY
	V.T.R.	VENT THRU ROOF
	BTU	BRITISH THERMAL UNITS
	MBH	THOUSAND BTUs PER HOUR

MATERIAL SPECIFICATIONS

SERVICES		CAST IRON NO-HUB	GALV. STEEL SCH 40	BLACK STEEL SCH 40	TYPE M COPPER	TYPE L COPPER	TYPE K COPPER	ABS	PVC	REMARKS
COLD WATER	ABOVE GROUND					•				
	BELOW GROUND						•			
HOT WATER	ABOVE GROUND					•				
	BELOW GROUND						•			
WASTE	ABOVE GROUND	•								1,2
	BELOW GROUND							•	•	
VENT	ABOVE GROUND				•				•	1,2
	BELOW GROUND							•	•	
INDIRECT WASTE	INDOOR				•					
	OUTDOOR				•					

1. APPROVED ABS/PVC DWV PIPE IS OK IF PERMITTED BY LOCAL JURISDICTION.
2. ABS/PVC DWV PIPE IS NOT PERMITTED INSIDE RETURN AIR PLUNUMS.

FIXTURE FLOW RATES (2016 CALIFORNIA GREEN BUILDING STANDARDS CODE)

FIXTURE TYPE	FLOW RATE
SHOWERHEADS	2.0 GPM @80 PSI
LAVATORY FAUCETS - NONRESIDENTIAL	0.5 GPM @60 PSI
KITCHEN FAUCETS	1.8 GPM @60 PSI
WASH FOUNTAINS	1.8 GPM (RIM SPACE (IN) @60 PSI)
METERING FAUCETS	0.20 GALLONS PER CYCLE
METERING FAUCETS FOR WASH FOUNTAINS	.20 G/CYCLE (RIM SPACE (IN) @60 PSI)
GRAVITY TANK TYPE WATER CLOSETS	1.28 GALLONS/FLUSH
FLUSHOMETER TANK WATER CLOSETS	1.28 GALLONS/FLUSH
FLUSHOMETER VALVE WATER CLOSETS	1.28 GALLONS/FLUSH
ELECTROMECHANICAL HYDRAULIC WATER CLOSETS	1.28 GALLONS/FLUSH
URINALS	0.125 GALLONS/FLUSH

1. THE EFFECTIVE FLUSH VOLUME OF ALL WATER CLOSETS SHALL NOT EXCEED 1.28 GALLONS PER FLUSH. TANK TYPE WATER CLOSETS SHALL BE CERTIFIED TO THE PERFORMANCE CRITERIA OF THE U.S EPA WATER SENSE SPECIFICATION FOR TANK-TYPE TOILETS.

NOTE:
THE EFFECTIVE FLUSH VOLUME OF DUAL FLUSH TOILETS IS DEFINED AS THE COMPOSITE, AVERAGE FLUSH VOLUME OF TWO REDUCE FLUSHES AND ONE FULL FLUSH.

SHEET INDEX

REV.	DATE	NO.
PLAN CHECK	12/19/19	1
PLAN CHECK	02/14/20	2

REGISTERED PROFESSIONAL ENGINEER HECTOR M. PEDRAZA No.M33187 Exp. 09/30/21 MECHANICAL STATE OF CALIFORNIA
SIGNED: 02/14/20

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BULL'S EYE CADD
434 45TH AVENUE c. (510) 301-3005
SAN FRANCISCO, CA 94121 o. (415) 666-3624
E-MAIL: glenncc@att.net

T.I. - TAPSILOG BISTRO

1998 HOMESTEAD ROAD #121
SANTA CLARA, CA 95050

Date: 09/30/19
Drawn: HP
Sheet:
P0.1

STATE OF CALIFORNIA
WATER HEATING SYSTEM GENERAL INFORMATION
CEC-NRCC-PLB-01-E (Revised 01/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-PLB-01-E
Water Heating System General Information	(Page 1 of 2)
Project Name: T.I TAPSILOG BISTRO, SANTA CLARA	Date Prepared: 10/01/19

A. GENERAL INFORMATION/SYSTEM INFORMATION		
01	Water Heater System Name:	WH-1
02	Water Heater System Configuration:	Central System
03	Water Heater System Type:	Domestic Hot Water
04	Building Type:	Nonresidential
05	Total Number of Water Heaters in Systems:	1
06	Central DHW Distribution Type:	Other
07	Dwelling Unit DHW Distribution Type:	Standard Distribution System (STD)

B. WATER HEATER INFORMATION
Each water heater type requires a separate compliance document.

01	Water Heater Type:	Small Storage - Gas
02	Fuel Type:	Gas
03	Manufacture Name:	BRADFORD WHITE
04	Model Number:	ULG250H553N
05	Number of Identical Water Heaters:	1
06	Installed Water Heater System Efficiency:	82%
07	Required Minimum Efficiency:	80%
08	Standby Loss Percent or Standby Loss Total:	
09	Rated Input:	55,000BTU/HR
10	Pilot Energy:	0
11	Water Heater Tank Storage Volume:	48 GAL
12	Exterior Insulation on Water Heater:	N/A
13	Volume of Supplemental Storage:	N/A
14	Internal Insulation on Supplemental Storage:	N/A
15	Exterior Insulation on Supplemental Storage:	N/A

C. PLUMBING COMPLIANCE FORMS & WORKSHEETS
Check box if worksheet is included.
For detailed instructions on the use of this and all Energy Standards compliance documents, refer to the 2016 Nonresidential Manual
Note: The Enforcement Agency may require all compliance documents to be incorporated onto the building plans.

YES	NO	Doc/Worksheet #	Title
⦿	○	NRCC-PLB-01-E	Certificate of Compliance, Declaration. Required on plans for all submittals.
⦿	○	NRCI-PLB-01-E	Certificate of Installation. Required on plans for all submittals.
○	⦿	NRCI-PLB-02-E	Certificate of Installation, required on central systems in high-rise residential, hotel/motel application.
○	⦿	NRCI-PLB-03-E	Certificate of Installation, required on single dwelling unit systems in high-rise residential, hotel/motel application.
○	⦿	NRCI-PLB-21-H	Certificate of Installation, required on HERS verified central systems in high-rise residential, hotel/motel application.
○	⦿	NRCI-PLB-22-H	Certificate of Installation, required on HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.
○	⦿	NRCI-STH-01-E	Certificate of Installation, required on any solar water heating

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance January 2016

STATE OF CALIFORNIA
WATER HEATING SYSTEM GENERAL INFORMATION
CEC-NRCC-PLB-01-E (Revised 01/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-PLB-01-E
Water Heating System General Information	(Page 2 of 2)
Project Name: T.I TAPSILOG BISTRO, SANTA CLARA	Date Prepared: 10/01/19

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT	
1. I certify that this Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name: Hector Pedraza	Documentation Author Signature: Hector Pedraza
Company: GAMA Drafting & engineering	Signature Date: 10/01/19
Address: 37625 Sycamore Street	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Newark, CA 94560	Phone: 510.861.1319

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 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(s) 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: Hector Pedraza	Responsible Designer Signature: Hector Pedraza
Company:	Date Signed: 10/01/19
Address: 37625 Sycamore Street	License: M33187
City/State/Zip: Newark, CA 94560	Phone: 510.861.1319

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance January 2016

SEISMIC RESTRAINTS GUIDELINES FOR PIPING

1. ALL SEISMIC RESTRAINTS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S SEISMIC RESTRAINT GUIDELINES MANUAL AND ALL CERTIFIED SUBMITTAL DATA.

2. TRANSVERSE BRACE SPACING SHALL NOT EXCEED 50 FEET UP TO 0.25g, 40 FEET UP TO 1.0g, AND 20 FEET UP TO 2.0g FOR STEEL AND COPPER PIPE WITH WELDED OR BRAZED CONNECTIONS. LONGITUDINAL SPACING SHALL NOT EXCEED 80 FEET UP TO 1.0g, AND 40 FEET UP TO 2.0g FOR STEEL AND COPPER PIPE WITH WELDED OR BRAZED CONNECTIONS.

3. STEEL AND COPPER PIPE WITH SCREWED CONNECTIONS BRACE SPACING SHALL NOT EXCEED 1/2 THE SPACING LISTED IN NOTE 2 GUIDELINES. FOR PVC, PVDF, FRP, AND OTHER SPECIALTY PIPING, BRACE SPACINGS SHALL NOT EXCEED 1/2 THE SPACINGS LISTED IN NOTE 2. ALL PIPE MUST BE CONSIDERED FULL OF WATER WHEN DETERMINING SEISMIC BRACE REQUIREMENTS UNLESS SPECIFICALLY ENGINEERED OTHERWISE.

4. TRANSVERSE RESTRAINT FOR ONE PIPE SECTION MAY ALSO ACT AS A LONGITUDINAL RESTRAINT FOR A PIPE SECTION OF THE SAME SIZE CONNECTED PERPENDICULAR TO IT IF THE RESTRAINT IS INSTALLED WITHIN 24-INCHES OF THE ELBOW OR TEE OR COMBINED STRESSES ARE WITHIN ALLOWABLE LIMITS AT LONGER DISTANCES.

5. HOLD DOWN CLAMPS MUST BE USED TO ATTACH PIPE TO ALL TRAPEZE MEMBERS BEFORE APPLYING RESTRAINTS.

6. BRANCH LINES MAY NOT BE USED TO RESTRAINT MAIN LINES.

7. PROVIDE REINFORCED CLEVIS BOLTS WHEN REQUIRED.

8. PIPING CROSSING BUILDING SEISMIC OR EXPANSION JOINTS, PASSING FROM BUILDING TO BUILDING, OR SUPPORTED FROM DIFFERENT PORTIONS OF THE BUILDING SHALL BE INSTALLED TO ALLOW DIFFERENTIAL SUPPORT DISPLACEMENTS WITHOUT DAMAGING THE PIPE, EQUIPMENT CONNECTIONS, OR SUPPORT CONNECTIONS. PIPE OFFSETS, LOOPS, ANCHORS, AND GUIDES SHALL BE INSTALLED AS REQUIRED TO PROVIDE SPECIFIED MOTION CAPABILITY AND LIMIT MOTION OF ADJACENT PIPING.

9. PROVIDE APPROPRIATELY SIZED OPENINGS IN WALLS, FLOORS, AND CEILINGS FOR ANTICIPATED SEISMIC MOVEMENT. PROVIDE FIRE SEAL SYSTEMS IN FIRE-RATED WALLS.

10. GAS PIPING LESS THAN 1" I.D. NEED NOT BE BRACED.

11. WHERE RIGIDLY SUPPORTED PIPES ARE CONNECTED TO EQUIPMENT WITH VIBRATION ISOLATION, THOSE CONNECTIONS MUST BE CAPABLE OF ACCOMMODATING SEISMIC DISPLACEMENTS. CONVERSELY, WHEN SMALLER UNSUPPORTED PIPES ARE CONNECTED TO RIGIDLY SUPPORTED EQUIPMENT, (i.e., COILS, etc.); THOSE JOINTS MUST BE CAPABLE OF ACCOMMODATING MOVEMENT OF THE PIPES.

12. RIGID PIPING SYSTEMS MAY NOT BE BRACED TO DISSIMILAR PARTS OF THE BUILDING OR TO DISSIMILAR BUILDING SYSTEMS WHICH MAY RESPOND DIFFERENTLY DURING AN EARTHQUAKE. DO NOT BRACE A SYSTEM TO TWO INDEPENDENT STRUCTURES SUCH AS CEILING AND WALL.

13. SEISMICALLY RESTRAIN ALL FUEL OIL PIPING, GAS PIPING, MEDICAL GAS PIPING, AND COMPRESSED AIR PIPING FOR FUEL OIL AND ALL GAS PIPING THAT IS 1" I.D. OR LARGER. TRANSVERSE RESTRAINTS MUST BE AT 20' MAXIMUM AND LONGITUDINAL RESTRAINTS AT 40' MAXIMUM SPACING.

14. PIPING LOCATED IN BOILER ROOMS, MECHANICAL EQUIPMENT ROOMS, AND REFRIGERATION EQUIPMENT ROOMS THAT IS 1-1/4" I.D. AND LARGER MUST BE SEISMICALLY RESTRAINED.

15. ALL OTHER PIPING 2-1/2" DIAMETER AND LARGER MUST BE SEISMICALLY RESTRAINED.

16. SEISMIC RESTRAINTS MAY NOT BE USED FOR ALL PIPING SUSPENDED BY INDIVIDUAL HANGERS 12" OR LESS AS MEASURED FROM THE TOP OF THE PIPE TO THE BOTTOM OF THE SUPPORT WHERE THE HANGER IS ATTACHED. HOWEVER, IF THE 12" LIMIT IS EXCEEDED BY ANY HANGER IN THE RUN, SEISMIC BRACING IS REQUIRED FOR THE RUN.

17. THE 12" EXEMPTION APPLIES FOR TRAPEZE SUPPORTED SYSTEMS IF THE TOP OF EACH ITEM SUPPORTED BY THE TRAPEZE QUALIFIES.

18. WHERE THERMAL EXPANSION IS A CONSIDERATION, GUIDES AND ANCHORS MAY BE USED AS TRANSVERSE AND LONGITUDINAL RESTRAINTS PROVIDED THEY HAVE A CAPACITY EQUAL TO OR GREATER THAN THE RESTRAINT LOADS IN ADDITION TO THE LOADS INDUCED BY EXPANSION OR CONTRACTION.

19. STEEL STRUTS SHALL BE 1-5/8" WIDE IN VARYING HEIGHTS AND MIG-WELDED COMBINATIONS AS REQUIRED TO MEET LOAD CAPACITIES AND DESIGNS INDICATED. A MATERIAL HEAT CODE, PART NUMBER, AND MANUFACTURER'S NAME SHALL BE STAMPED ON ALL STRUT AND FITTINGS TO MAINTAIN TRACEABILITY TO MATERIAL TEST REPORTS.

20. SEISMIC RETRAINTS FOR PIPING SYSTEMS SHALL WITHSTAND A LATERAL FORCE EQUAL TO 50% OF THE WEIGHT OF THE PIPING SYSTEM AND ITS CONTENTS. SEISMIC BRACING SHALL CONFORM TO THE CURRENT ADOPTED EDITION OF THE CALIFORNIA BUILDING CODE AND THE ADMINISTRATIVE CODE, AND SHALL BE INSTALLED IN ACCORDANCE WITH SMACNA GUIDELINES FOR SEISMIC RESTRAINT, LATEST EDITION.

21. SPECIAL PIPE HANGER AND SUPPORT PROVISIONS REQUIRED FOR CONTROL OF PIPE EXPANSION, VIBRATION, AND SOUND TRANSMISSION IN CERTAIN PIPING SHALL BE DONE IN ACCORDANCE WITH GOOD SOUND ATTENUATION PRACTICE.

22. SUPPORT CHANNELS, FRAMES, BRACKETS, AND LEGS OF SPECIAL SUPPORTS SHALL BE OF UNISTRUT, SUPERSTRUT, OR ACCEPTED EQUAL, WITH CHANNELS, ATTACHING CLIPS, PIPE CLAMPS, AND OTHER REQUIRED ACCESSORIES.

23. PLASTIC PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH CODE REQUIREMENTS (REVIEW WITH JURISDICTION). SHIMS SHALL BE PROVIDED TO PREVENT PIPE SAG BETWEEN FITTINGS.

24. SPACING OF TRAPEZE HANGERS SHALL BE DETERMINED BY THE SMALLEST PIPE ON THE TRAPEZE. SIZES OF RODS FOR TRAPEZES SHALL BE GOVERNED BY THE LARGEST PIPE ON THE TRAPEZE.

25. TRAPEZE HANGERS SHALL NOT BE LIGHTER THAN 16 GAUGE AND, WHEN EXPOSED TO WEATHER, NOT LIGHTER THAN 12 GAUGE. PIPING THAT RUNS IN PARTITIONS AND IS NOT SUPPORTED FROM CEILING OR FLOOR SHALL BE SECURELY AND INDEPENDENTLY FASTENED TO THE PARTITION MEMBERS WITH CLAMPS OR BRACKETS.

26. LATERAL MOTION OF PIPING WILL NOT CAUSE DAMAGING IMPACT WITH SURROUNDING SYSTEMS (e.g. OTHER PIPE, DUCT, EQUIPMENT, SPRINKLER HEADS, etc.) OR CAUSE LOSS OF SYSTEM VERTICAL SUPPORT.

27. VERTICAL SUPPORT CONNECTIONS CANNOT DEVELOP MOMENTS (e.g. SWIVEL JOINTS, EYE BOLTS, VIBRATION ISOLATION HANGERS, etc.).

28. VERTICAL CAST IRON RISERS ATTACHED WITH SHIELD AND CLAMP ASSEMBLIES MUST BE STIFFENED AT THE CONNECTION POINTS OF ANY UNSUPPORTED SECTION OF PIPE.

29. VERTICAL RISERS IN AN OPEN SHAFT MUST BE ATTACHED TO THE SUPPORTS WITH CONNECTIONS SIZED TO ACCEPT THE HORIZONTAL SEISMIC LOADS.

30. WHERE EARTHQUAKE LOADS ARE APPLICABLE IN ACCORDANCE WITH THE BUILDING CODE, PLUMBING PIPING SUPPORTS SHALL BE DESIGNED AND INSTALLED FOR THE SEISMIC FORCES IN ACCORDANCE WITH THE BUILDING CODE.

31. HANGERS, ANCHORS AND SUPPORTS SHALL SUPPORT THE PIPING AND THE CONTENTS OF THE PIPING. HANGERS AND STRAPPING MATERIAL SHALL BE OF APPROVED MATERIAL THAT WILL NOT PROMOTE GALVANIC ACTION. HANGERS AND ANCHORS SHALL BE ATTACHED TO THE BUILDING CONSTRUCTION IN AN APPROVED MANNER.

32. RIGID SUPPORT SWAY BRACING SHALL BE PROVIDED AT CHANGES IN DIRECTION GREATER THAN 45 DEGREES FOR PIPE SIZES 4 INCHES AND LARGER.

33. ANCHORAGE SHALL BE PROVIDED TO RESTRAIN DRAINAGE PIPING FROM AXIAL MOVEMENT.

34. FOR PIPE SIZES GREATER THAN 4 INCHES, RESTRAINTS SHALL BE PROVIDED FOR DRAIN PIPES AT ALL CHANGES IN DIRECTION AND AT ALL CHANGES IN DIAMETER GREATER THAN 2 PIPE SIZES.

PLUMBING SPECIFICATIONS

1. GENERAL PROVISIONS – THE GENERAL CONDITIONS, SUPPLEMENTS AND AMENDMENTS SHALL GOVERN THIS DIVISION OF THE SPECIFICATIONS.
2. PROJECT REQUIREMENTS – PROVIDE ALL ITEMS, MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THE WORK OR OPERATIONS MENTIONED HEREIN, OR INDICATED ON THE DRAWINGS AND REASONABLY INFERRED THEREIN, AS REQUIRED TO MAKE A COMPLETE AND WORKING SYSTEM.
3. INTENT – WORK SHALL BE DONE IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS AND THEIR INTENT, COMPLETE WITH ALL NECESSARY COMPONENTS, INCLUDING THOSE NOT NORMALLY SHOWN OR CALLED FOR, AND SHALL BE READY FOR OPERATION BEFORE ACCEPTANCE.
4. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE CODES. NOTHING SHOWN IN THE PLANS OR STATED IN THE SPECIFICATIONS IS INTENDED TO INDICATE THAT THE INSTALLATION OR CONNECTIONS OF ANY ITEM OR DEVICE SHOULD BE DONE CONTRARY TO MANUFACTURERS INSTRUCTIONS AND ALL APPLICABLE CODES AND REGULATIONS. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE INSTALLATION AND CONNECTIONS OF ALL ITEMS AND DEVICES CONFORMS TO MANUFACTURERS INSTRUCTIONS AND TO ALL APPLICABLE CODES AND REGULATIONS.
5. ANY REFERENCE TO THE DESIGN AUTHORITY SHALL MEAN GAMA DRAFTING AND ENGINEERING
6. THE WORK "PROVIDE" SHALL MEAN "SUPPLY AND INSTALL" UNLESS OTHERWISE INDICATED.
7. GOVERNING REGULATIONS – THE WORK UNDER PLUMBING SCOPE OF WORK, SHALL CONFORM, BUT NOT LIMITED TO THE REQUIREMENTS OF THE FOLLOWING CODES, REGULATIONS AND STANDARDS:
   A. 2016 EDITIONS OF THE CALIFORNIA BUILDING CODE, INCLUDING BUT NOT LIMITED TO THE MECHANICAL, PLUMBING, FIRE AND ENERGY CODES.
   B. OSHA REGULATIONS
8. PERMITS – OBTAIN ALL REQUIRED PERMITS AND PAY ALL FEES THEREFORE AND COMPLY WITH ALL LOCAL AND STATE REGULATIONS, CODES AND BY-LAWS APPLICABLE TO THE WORK.
9. RESPONSIBILITY – VISIT THE SITE BEFORE SUBMITING A BID AND EXAMINE ALL LOCAL AND EXISTING CONDITIONS ON WHICH THE WORK IS DEPENDENT.
10. NO CONSIDERATION WILL BE GRANTED FOR ANY MISUNDERSTANDING OF WORK TO BE DONE RESULTING FROM FAILURE TO VISIT THE SITE.
11. WHEN THE CONTRACT DOCUMENTS DO NOT CONTAIN SUFFICIENT INFORMATION FOR THE PROPER SELECTION OF EQUIPMENT FOR BIDDING, NOTIFY THE DESIGN AUTHORITY DURING THE BIDDING PERIOD. IF CLARIFICATION CANNOT BE OBTAINED, ALLOW FOR THE MOST EXPENSIVE ARRANGEMENT. FAILURE TO DO THIS SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO SUPPLY THE INTENDED EQUIPMENT AND OR INSTALLATION.
12. CHECK DRAWINGS OF ALL TRADES AND SITE SURVEY TO VERIFY SPACE AVAILABILITY FOR THE INSTALLATION. COORDINATE WORK WITH ALL TRADES AND MAKE CHANGES TO FACILITATE SATISFACTORY INSTALLATION. MAKE NO DEVIATIONS TO THE DESIGN INTENT INVOLVING EXTRA COST TO THE OWNER WITHOUT DESIGN AUTHORITY WRITTEN APPROVAL.
13. WORKMANSHIP – WORKMANSHIP SHALL BE IN ACCORDANCE WITH WELL ESTABLISHED PRACTICE AND STANDARDS ACCEPTED AND RECOGNIZED BY DESIGN AUTHORITY AND THE TRADE.
14. EMPLOY ONLY TRADESMEN HOLDING VALID TRADE QUALIFICATION CERTIFICATES. TRADESMEN SHALL PERFORM ONLY WORK THAT THEIR CERTIFICATE PERMITS.
15. DRAWING AND MEASUREMENTS – DRAWINGS ARE GENERALLY DIAGRAMMATIC AND ARE INTENDED TO INDICATE THE SCOPE AND GENERAL ARRANGEMENT OF WORK. DO NOT SCALE DRAWINGS.
16. TAKE FIELD MEASUREMENTS WHERE EQUIPMENT AND MATERIAL DIMENSIONS ARE DEPENDENT UPON BUILDING DIMENSIONS.
17. SUBMITTALS – SUBMIT THREE SETS OF ALL EQUIPMENT AND RELATED MATERIAL FOR APPROVAL PRIOR TO ORDERING.
18. RECORD DRAWINGS – MAINTAIN ONE CONTRACT DRAWING, WHITE PRINT, ON SITE, SOLELY FOR THE PURPOSE OF RECORDING, IN RED, ANY CHANGES AND/OR DEVIATION FROM THE CONTRACT DRAWINGS AS IT OCCURS.
19. AT THE COMPLETION OF THE PROJECT, CERTIFY THE ABOVE-MENTIONED DRAWINGS AS BEING ACCURATE AND COMPLETE BY LABELLING IN THE LOWER RIGHT HAND CORNER IN LETTERS OF AT LEAST ½ INCH HIGH AS FOLLOWS: "AS-BUILT DRAWINGS. DATED ---". DELIVER TO DESIGN AUTHORITY.
20. OPERATING AND MAINTENANCE MANUALS – PREPARE INSTRUCTION MANUALS WHICH INCLUDE EQUIPMENT MANUFACTURER'S OPERATING AND MAINTENANCE BULLETINS, AND A REPORT ON THE TESTING AND BALANCING. SUBMIT THREE (3) COPIES TO DESIGN AUTHORITY.
21. EXISTING SERVICES – PROTECT ALL EXISTING SERVICES AND MAKE GOOD ANY DAMAGE CAUSED BY THE WORK IN THIS CONTRACT.
22. CLEAN UP – MAKE GOOD AND CLEAN ALL AREAS DISRUPTED BY THIS WORK.
23. ARRANGEMENT AND ALIGNM.ENT OF PIPING:
   A. PIPING SHALL BE GROUPED (WHEREVER PRACTICAL) INSTALLED IN STRAIGHT PARALLEL LINES ALIGNED IN A UNIFORM DIRECT MANNER. CHANGES IN DIRECTION OF PIPING SHALL BE MADE WITH FITTINGS.
   B. PIPE LINES SHALL BE GUIDED, SUPPORTED AND ANCHORED IN SUCH MANNER THAT PIPE LINES SHALL NOT SAG OR BUCKLE.
24. JOINTS:
   A. PIPING TO EQUIPMENT SHALL BE CONNECTED WITH UNION FOR DISMANTLING AND REMOVAL.
   B. PIPING SHALL BE REAMED AFTER CUTTING. JOINTS WHEN COMPLETE SHALL BE THOROUGHLY CLEANED OF ALL EXCESS PIPE JOINT MATERIALS.
   C. PROVIDE DIELECTRIC FITTINGS BETWEEN DISSIMILAR PIPING CONNECTIONS.
25. HANGERS AND SUPPORTS:
   A. PIPING EQUIPMENT, ETC., SHALL BE PROPERLY SUPPORTED WITH THE USE OF APPROVED TYPE CLEVIS AND/OR TRAPEZE HANGERS SPACED 5'-0" ON CENTERS FOR CAST IRON PIPING AND 8'0" ON CENTERS FOR WATER PIPING.
   B. PIPING AND EQUIPMENT SHALL BE SUPPORTED FROM WALLS, JOISTS OR STRUCTURAL STEEL GIRDERS ONLY.
26. PLUMBING FIXTURES:
   A. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL FIXTURES INCLUDED IN THE CONTRACT FROM DAMAGE CAUSED BY ACIDS, BUILDING MATERIALS, TOOLS, EQUIPMENT, ETC. UPON COMPLETION OF THE CONTRACT, OR WHEN DIRECTED, PLUMBING CONTRACTOR SHALL CLEAN ALL FIXTURES TO THE SATISFACTION OF THE DESIGN AUTHORITY.
   B. WHERE FIXTURES ARE DAMAGED, SAID FIXTURES SHALL BE REPLACED BY THE PLUMBING CONTRACTOR IMMEDIATELY UPON NOTIFICATION.
   C. ALL EQUIPMENT FURNISHED BY OWNERS THAT REQUIRE PLUMBING CONNECTION SHALL BE INSTALLED BY THE PLUMBING CONTRACTOR. PROVIDE SHUT-OFF VALVE ON WATER SUPPLY WERE REQUIRED BY CODE.
   D. EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTION.
   E. FIXTURES SHALL BE SECURED WITH MOUNTING BOLTS FROM CARRIERS OR HANGERS.
   F. FIXTURES SHALL BE INSTALLED LEVEL, PLUMB.
   G. FITTINGS SHALL BE NEATLY INSTALLED, MOUNTED TO FIXTURES PRIOR TO INSTALLATION OF FIXTURES. PROVIDE NON-HARDENING PUTTY BETWEEN FITTINGS AND FIXTURE SURFACES.
   H. FITTINGS SHALL BE SECURED WITHOUT MARRING OR DAMAGING CHROME PLATING.
27. INSULATION:
   A. DOMESTIC HOT AND COLD WATER PIPING SHALL BE INSULATED WITH 1" THICK FLEXIBLE ELASTOMERIC PIPE INSULATION COMPLYING WITH ASTM C534.
   B. INSULATION SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
   C. INSTALLATION OF INSULATIONS SHALL BE DONE ONLY AFTER PIPING ARE TESTED AND DETERMINED TO BE FREE FROM LEAKS.

GENERAL NOTES

1. PLUMBING CONTRACT DRAWINGS ARE IN PART DIAGRAMMATIC, COVERING THE SCOPE OF WORK ANDGENERAL ARRANGEMENT OF THE EQUIPMENT, PIPING, ETC., AND THE APPROXIMATE SIZE OF EQUIPMENT AND MATERIALS. THE CONTRACTOR SHALL FOLLOW THESE DRAWINGS IN LAYING OUT THE PLUMBING WORK. PLUMBING CONTRACTOR SHALL CONSULT GENERAL, SPRINKLER, HEATING/VENTILATING/AIR CONDITIONING CONTRACT AND ELECTRICAL DRAWINGS TO FAMILIARIZE HIMSELF WITH THAT WORK AND TO VERIFY THE SPACES IN WHICH THE PLUMBING WORK WILL BE INSTALLED.
2. BECAUSE OF THE NATURE AND SCALE OF THE DRAWINGS, CERTAIN BASIC PLUMBING ITEMS SUCH AS UNIONS, FITTINGS, ELBOWS, ETC., MAY NOT BE SHOWN. WHERE SUCH ITEMS ARE REQUIRED BY OTHER SECTIONS OF THE SPECIFICATIONS, OR WHERE THEY ARE REQUIRED BY THE NATURE OF THE WORK OR BY CODES AND REGULATIONS, THEY SHALL BE FURNISHED AND INSTALLED AT NO ADDITIONAL COST TO THE THE DRAWINGS INDICATE GENERAL LOCATIONS OF PIPING, EQUIPMENT, DUCTWORK AND SIMILAR. THE EXACT LOCATION TO BE DETERMINED BY THE CONTRACTOR TO BEST FIT THE LAYOUT OF THE JOB.
3. ALL EQUIPMENT SHALL BE TIGHTLY COVERED AND PROTECTED AGAINST DIRT, WATER, AND CHEMICAL OR MECHANICAL INJURY OR THEFT. PLUMBING FIXTURES SHALL BE COVERED WITH HEAVY PAPER COVERINGS AFTER INSTALLATION AND SHALL BE THOROUGHLY CLEANED AFTER COMPLETION OF THE PROJECT.
4. ALL MATERIALS SUCH AS VALVES, FITTINGS, PIPING, EQUIPMENT, PUMPS, COILS, ETC., SHALL BE PROPERLY PROTECTED, AND ALL PIPING OPENINGS SHALL BE TEMPORARILY CLOSED BY THE CONTRACTOR FOR THE WORK UNDER HIS CHARGE, ON A DAILY BASIS, AT THE END OF EACH WORKING DAY, SO AS TO PREVENT OBSTRUCTION AND DAMAGE. THE ABOVE REQUIREMENTS ARE MANDATORY.
5. THE CONTRACTOR SHALL SEE THAT ALL MATERIALS, INSTALLATION AND WORKMANSHIP IS PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF ALL APPLICABLE CODES, LAWS, OR ORDINANCES OF THE STATE OF ANY STATE, AND ALL COUNTY AND LOCAL CODES, CITY OF ANYTOWN LAWS OR ORDINANCES, INCLUDING ALL STATE OR LOCAL BOARD OF HEALTH, FEDERAL AND STATE ENVIRONMENTAL PROTECTION REGULATIONS, STATE ENERGY CODES AND UTILITY REGULATORY AGENCIES.
6. ALL WORK SHALL BE FURTHER PERFORMED IN ACCORDANCE WITH THE NATIONAL BOARD OF FIRE UNDERWRITERS, THE PLUMBING AND BUILDING CODES, NATIONAL ELECTRICAL CODE, THE OCCUPATIONAL SAFETY AND HEALTH ACT, THE AMERICAN GAS ASSOCIATION, AND ALL SUCH OTHER SPECIFIC CODES AS MAY BE REFERRED TO IN THE INDIVIDUAL SECTIONS OF THE SPECIFICATIONS.
7. PIPE SIZES SHOWN ON THE DRAWINGS ARE THE MINIMUM SIZES ALLOWED REGARDLESS OF THE CODE MINIMUM, EXCEPT WHEN THE CODE MINIMUM SIZE IS LARGER THAN THAT SHOWN.
8. THE CONTRACTOR SHALL MAINTAIN A CURRENT SET OF CONTRACT PRINTS ON THE CONSTRUCTION SITE AT ALL TIMES, ON WHICH HE SHALL ACCURATELY RECORD THE ACTUAL INSTALLATION OF ALL PLUMBING WORK. AS WORK PROGRESSES, MARK CHANGES MADE WHETHER RESULTING FROM JOB CONDITIONS, ADDENDA, FORMAL CHANGE ORDERS OR OTHER INSTRUCTIONS ISSUED BY THE ENGINEER.
9. THE PLUMBING CONTRACTOR SHALL INDICATE PROGRESS BY COLORING IN VARIOUS PIPES, FIXTURES, AND ASSOCIATED APPURTENANCES EXACTLY AS THEY ARE ERECTED AND INSTALLED.
10. ARK ALL PIPE SIZES AND LOCATIONS DURING CONSTRUCTION. ALSO, MARK LOCATIONS OF ALL VALVES AND VARIOUS EQUIPMENT, APPARATUS, AND ASSOCIATED APPURTENANCES AS ERECTED WEEKLY DURING CONSTRUCTION.
11. THE COMPLETION OF THE JOB THESE PRINTS, INCORPORATING CHANGES, ADDENDA AND ADDED DATA NOTED ON MARKED-UP PRINTS, INCLUDING DIMENSIONED LOCATIONS OF UNDERGROUND PIPING BEYOND LIMITS OF BUILDING, SHALL BE SUBMITTED TO THE ENGINEER FOR FINAL REVIEW AND COMMENT. THE PRINTS WILL BE RETURNED WITH APPROPRIATE COMMENTS AND RECOMMENDATIONS. THESE CORRECTED PRINTS TOGETHER WITH CORRELATED PRINTS INDICATING ALL THE REVISIONS, ADDITIONS AND DELETIONS OF WORK, SHALL FORM THE BASIS FOR PREPARING A SET OF RECORD DRAWINGS.
12. WHERE PIPING, AND OTHER PLUMBING APPURTENANCES PASS THROUGH FIRE PARTITIONS, FIRE WALLS, OR FLOORS, INSTALL A FIRE-STOP THAT PROVIDES AN EFFECTIVE BARRIER AGAINST THE SPREAD OF FIRE, SMOKE AND GASES. FIRE-STOP MATERIAL SHALL BE UL APPROVED, PACKED TIGHT AND COMPLETELY FILL CLEARANCES BETWEEN RACEWAYS AND OPENINGS. FLOOR, EXTERIOR WALL, AND ROOF SEALS SHALL ALSO BE MADE WATERTIGHT AS APPROVED BY THE ADMINISTRATIVE AUTHORITY.
13. ARRANGE AND INSTALL PIPING APPROXIMATELY AS INDICATED, STRAIGHT, PLUMB AND AS DIRECT AS POSSIBLE. FORM RIGHT ANGLES OR PARALLEL LINES WITH BUILDING WALLS. KEEP PIPES CLOSE TO WALLS, PARTITIONS AND CEILINGS, OFFSETTING ONLY WHERE NECESSARY TO FOLLOW WALLS AND AVOID INTERFERENCE WITH OTHER MECHANICAL ITEMS. LOCATE GROUPS OF PIPES PARALLEL TO EACH OTHER; SPACE THEM AT A DISTANCE TO PERMIT ACCESS FOR SERVICING VALVES.
14. PIPING SHALL BE PITCHED TO POINTS OF DRAINAGE WITH CONSTANT UNIFORM SLOPE.
15. INSTALL HORIZONTAL PIPING AS HIGH AS POSSIBLE WITHOUT SAGS OR HUMPS.
16. 1GRADE DRAINAGE AT UNIFORM SLOPE OF NOT LESS THAN 1/4" PER FOOT TOWARD THE POINT OF DISPOSAL. WHEN APPROVED BY ADMINISTRATIVE AUTHORITY, PIPE SIZE 4" AND LARGER MAY HAVE A SLOPE OF NOT LESS THAN 1/8" PER FOOT.
17. WHERE CHANGES IN PIPE SIZES OCCUR, USE ONLY REDUCING FITTINGS.
18. FOR DRAINAGE PIPING CHANGES IN DIRECTION, USE LONG SWEEP WHERE POSSIBLE, OTHERWISE, SHORT SWEEP 1/4 BENDS, OR COMBINATION WYE AND 1/8 BENDS; USE SANITARY TEE BRANCHES ONLY FOR HORIZONTAL BRANCHES DISCHARGING TO STACKS.
19. INSTALL SECTIONALIZING VALVES AND ON EACH BRANCH LINE TO MULTI-FIXTURE GROUPS. LOCATE VALVES IN A READILY ACCESSIBLE LOCATION, DO NOT CONCEAL. DO NOT LOCATE VALVE SYSTEMS BELOW HORIZONTAL UNLESS INDICATED ON PLANS. LOCATE ANGLE STOP VALVES BELOW THE SINK OR WATER CLOSET.
20. WATER SUPPLY TO ALL FIXTURES AND CONTAINERS SHALL BE SO INSTALLED AS TO PREVENT POSSIBLE BACK SIPHONAGE OF POLLUTED WATER. ALL SUPPLIES SHALL BE EITHER ABOVE THE FLOOD RIM OF THE FIXTURE OR SEPARATED FROM THE DRAINAGE END BY MEANS OF AN APPROVED VACUUM BREAKERS.
21. PROVIDE PIPING AND FIXTURE TRAPS. CONNECT TO FIXTURES AND OTHER EQUIPMENT INDICATED OR SPECIFIED AS REQUIRING SOIL, WASTE, DRAIN AND VENT FACILITIES.
22. LAY ALL PIPING TRUE TO LINE AND GRADE, FIT ENDS TOGETHER, MATCH SO THAT SEWER OR DRAIN WILL HAVE SMOOTH AND UNIFORM INSERT. FOLLOW LOCATIONS AND ELEVATIONS AT SITE. AS THE PIPE LAYING PROGRESSES, CLEAR PIPE INTERIOR OF CEMENT, DIRT, AND OTHER FOREIGN MATERIALS. DURING WORK STOPPAGE PERIODS, PROVIDE EFFECTIVE PLUGS OR COVERS FOR OPEN ENDS OF PIPE AND DRAINS.
23. PROVIDE CLEANOUTS WHERE INDICATED AND AT INTERVALS OF 100' OR AS REQUIRED BY LOCAL PLUMBING CODE AND WHERE REQUIRED AT CHANGES OF DIRECTIONS OF SOIL AND WASTE STACKS. INSTALL CLEANOUTS SO AS TO BE ACCESSIBLE FOR EASY REMOVAL AND TO PROVIDE CLEARANCE FOR RODDING. CLEANOUTS SHALL BE THE SAME SIZE AS PIPE SERVED EXCEPT THAT NO CLEANOUT NEED BE LARGER THAN FOUR INCHES.
24. EXTEND VENT PIPES 12 INCHES ABOVE ROOF AND 10FT MINIMUM AWAY FROM ANY FRESH AIR INTAKES.
25. SANITARY VENT PIPING SHALL BE GRADED SO THAT THE AIRFLOW TO THE OUTSIDE WILL BE CONTINUOUSLY UPWARD AND SO THAT NO LOW POINTS WILL BE DRAINED.
26. MAKE TIGHT CONNECTION BETWEEN WATER CLOSET FLANGES AND EARTHENWARE FIXTURE BY MEANS OF AN APPROVED MOLDED WAX RING OR SETTING COMPOUND AND BOLTING.
27. VENTS: PROVIDE FLASHING FOR STACKS PASSING THROUGH ROOF. MAKE WATER-TIGHT AT ROOF WITH 4 SHEET LEAD; EXTEND INTO ROOFING FELTS AT LEAST 24" FROM PIPES. EXTEND LEAD COLLAR UP AROUND OUTSIDE AND TURN DOWN INSIDE VENTS AT THE TOP. LOCATE VENT THROUGH ROOF 10FT MINIMUM AWAY FROM ANY FRESH AIR INTAKE.
28. ALL PLUMBING FIXTURES AND PIPING IS TO BE LISTED BY AN APPROVED LISTING AND TESTING AGENCY AND PROPERLY LABELED.
29. COORDINATE ALL LOCATIONS, SIZES, AND ELEVATIONS OF ALL SLEEVES THROUGH WALLS, BEAMS, SLABS AND FOOTING WITH STRUCTURAL AND ARCHITECTURAL DRAWINGS. ALL PIPES SLEEVING THROUGH FOOTINGS SHALL HAVE A SLEEVE DIAMETER OF TWO PIPE SIZES OVER THE PIPE PASSING THROUGH THE FOOTING. NO PIPE TO BE PLACED THROUGH FOOTING UNLESS APPROVED BY THE STRUCTURAL ENGINEER.
30. ALL PIPES SHALL BE PROTECTED AT THE POINT THEY CROSS BUILDING EXPANSION JOINT, EITHER WITH AN EXPANSION FITTINGS OR IN ANOTHER MANNER ACCEPTABLE TO THE ENGINEER.
31. PLUMBING CONTRACTOR SHALL CONNECT ALL GAS PIPING TO ALL GAS RELATED UNITS PER PLAN WITH LISTED AND APPROVED GAS SHUT-OFF VALVE, SEDIMENT TRAP, AND UNION.
32. FAUCET CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS.
33. PENETRATION OF FLOOR/CEILING ASSEMBLIES AND ASSMEBLIES REQUIRED TO HAVE A FIRE-RESISTANCE RATING SHALL BE PROTECTED IN ACCORDANCE WITH THE BUILDING CODE.
34. WHERE WATER PRESSURE WITHIN A BUILDING EXCEEDS 80 PSI, AN APPROVED WATER-PRESSURE REDUCING VALVE CONFORMING TO ASSE 1003 WITH STRAINER SHALL BE INSTALLED TO REDUCE THE PRESSURE IN THE BUILDING WATER DISTRIBUTION PIPING TO 80 PSI STATIC OR LESS.
35. DISINFECTION OF POTABLE WATER SYSTEM SHALL COMPLY WITH THE LOCAL AND THE CALIFORNIA PLUMBING CODE.
36. PROPER ACCESS MUST BE PROVIDED FOR THE TESTING AND MAINTENANCE OF THE BACKFLOW PREVENTER. IF THE IF THE BACKFLOW PREVENTER IS INSTALLED MORE THAN 5'-0" ABOVE THE FLOOR, SPECIAL PROVISIONS MUST BE MADE.
37. PLASTIC PIPES ARE NOT PERMITTED TO BE INSTALLED WITHIN THE AIR PLENUM SPACE.
38. ALL PIPING SHALL MAINTAIN AT LEAST 5'-0" CLEARANCE IN FRONT OF THE HVAC SUPPLY AND RETURN OPENINGS.
39. CONTRACTOR IS REQUIRED TO SCOPE THE EXISTING SANITARY SEWER LINE PRIOR OF WORK. IF REQUIRED, CONTRACTOR SHALL PERFORM RODDING TO GUARANTEE FREE FLOWING OF THE EXISTING WASTE LINE AND NOTIFY THE ENGINEER IF THE EXISTING INVERT ELEVATION TIE-IN POINT IS NOT ADEQUATE TO MEET THE INVERT ELEVATION INDICATED ON THE PLANS.

REV. DATE	NO.
PLAN CHECK 12/19/19	

REGISTERED PROFESSIONAL ENGINEER HECTOR M. PEDRAZA No.M33187 Exp. 09/30/21 MECHANICAL STATE OF CALIFORNIA
SIGNED: 12/18/19

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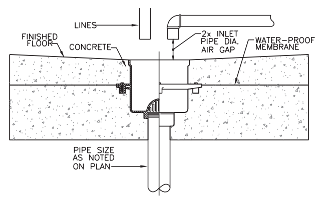
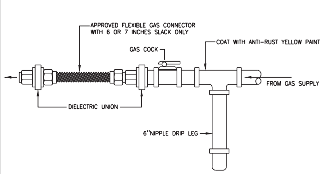
Drawn: HP
Sheet: P0.2



FLOOR SINK DETAIL | SCALE: NONE | 11



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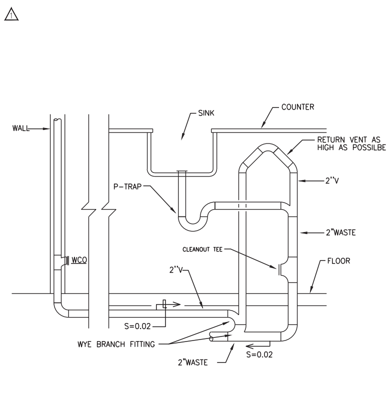
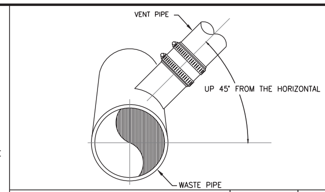
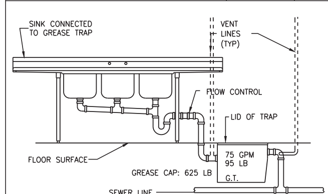


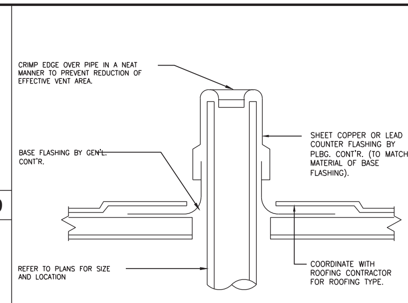
ISLAND VENT DETAIL | SCALE: NONE | 12



VENT RAKE OFF BELOW FLOOR | SCALE: NONE | 9

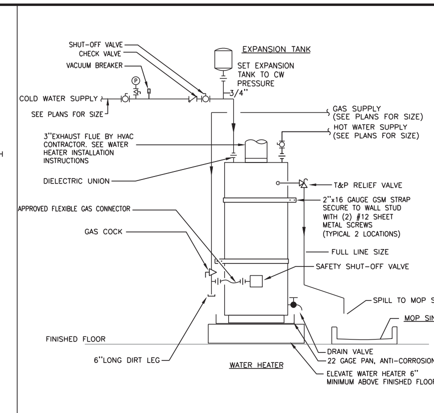


GREASE TRAP | SCALE: NONE | 8



NOTE:
NO ROOF PENETRATION IS PERMITTED WITHOUT THE WRITTEN CONSENT OF LANDLORD REPRESENTATIVE. THIS CONTRACTOR IS FULLY RESPONSIBLE TO COORDINATE ANY ROOF OPENING AND LOCATION OF EQUIPMENT WITH THE LANDLORD REPRESENTATIVE. CONTRACTOR SHALL CONTRACT THE LANDLORD ROOFER FOR ANY WORK ON THE ROOF REQUIRING PUNCTURING OR ADHERING EQUIPMENT/ITEMS TO THE ROOF MEMBRANE.

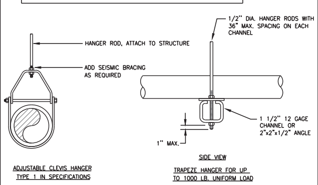
VENT THRU ROOF | SCALE: NONE | 7



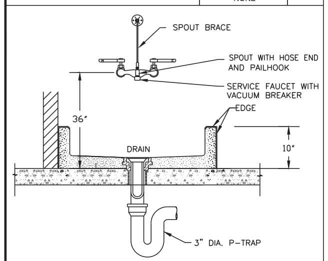
WATER HEATER DETAIL | SCALE: NONE | 6

MAXIMUM PIPE/TUBING SUPPORT SPACING, FEET								
NOM. SIZE	THRU 1"	1	1 1/4	1 1/2	2	2 1/2	3	4
PIPE	7 FT	7	7	9	10	11	12	14
TUBING	5 FT	6	7	8	8	9	10	12

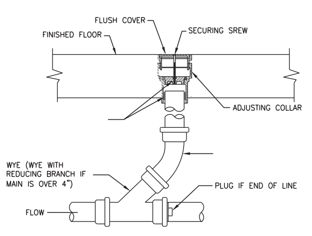
NOTE: FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE.



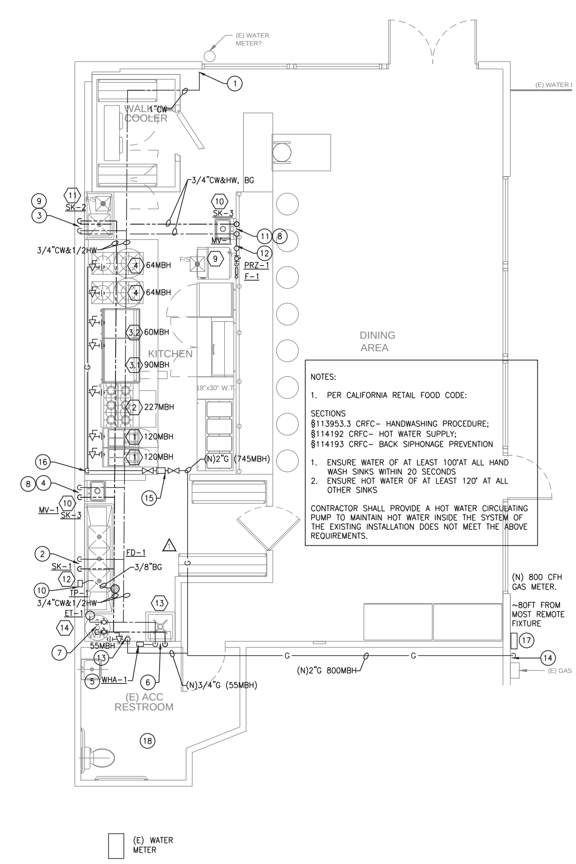
PIPE SUPPORT | SCALE: NONE | 5



MOP SINK DETAIL | SCALE: NONE | 4



FLOOR CLEAN OUT | SCALE: NONE | 3



NOTES:

1. PER CALIFORNIA RETAIL FOOD CODE:

SECTIONS
§113953.3 CRFC- HANDWASHING PROCEDURE;
§114192 CRFC- HOT WATER SUPPLY;
§114193 CRFC- BACK SIPHONAGE PREVENTION

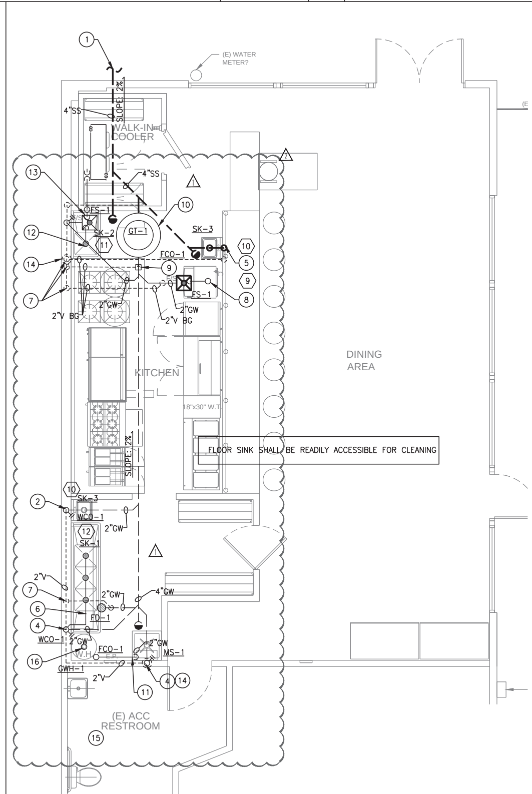
1. ENSURE WATER OF AT LEAST 100°AT ALL HAND WASH SINKS WITHIN 20 SECONDS
2. ENSURE HOT WATER OF AT LEAST 120° AT ALL OTHER SINKS

CONTRACTOR SHALL PROVIDE A HOT WATER CIRCULATING PUMP TO MAINTAIN HOT WATER INSIDE THE SYSTEM OF THE EXISTING INSTALLATION DOES NOT MEET THE ABOVE REQUIREMENTS.

PLUMBING KEYED NOTES:

1. CONNECT NEW 1" COLD WATER LINE TO (E) WATER PIPE. VERIFY EXACT LOCATION AT JOBSITE
2. 1/2" CW & HW DOWN INSIDE WALL AND OUT THRU WALL TO 3-COMP SINK.
3. 1/2" CW & HW DOWN INSIDE WALL AND OUT THRU WALL TO PREP SINK.
4. 1/2" CW & HW DOWN INSIDE WALL AND OUT THRU WALL TO HAND SINK.
5. MOUNT WATER HAMMER ARRESTER TO ACCESSIBLE LOCATION PROVIDE ACCESS PANEL.
6. 1/2" CW & HW DOWN INSIDE WALL AND OUT THRU WALL TO MOP SINK.
7. 3/4" HW TO WATER HEATER.
8. INSTALL MIXING VALVE AT HAND SINKS AND LAVATORIES WITH OUTLET TEMPERATURE OF 110 DEGREES FAHRENHEIT.
9. ½" CW & HW DOWN TO BELOW GRADE.
10. 1/2"CW LINE IN WALL TO ACCESSIBLE TRAP PRIMER VALVE.
11. ½" CW & HW UP FROM BELOW GRADE TO HAND SINK.
12. 1/2" CW TO ICE MAKER THRU BFP AND FILTER. MOUNT BFP AND FILTER AT ACCESSIBLE LOCATION AND DRAIN TO NEAREST FLOOR SINK.
13. ½" G DOWN TO WATER HEATER. CONNECT TO GAS WITH APPROVED FLEXIBLE CONNECTION.
14. (N) 2" GAS PIPE. CONNECT TO NEW GAS METER. VERIFY EXACT METER LOCATION IN THE FIELD. INFORM ENGINEER OF ANY DISCREPANCY BEFORE MAKING ANY CHANGES TO EXISTING SYSTEM.
15. (E) FIRE SUPPRESSION SHUT OFF VALVE.
16. 2"G PIPE DOWN AND SUPPORTED FROM WALL BEHIND COOKING APPLIANCES. CONNECT TO GAS APPLIANCES WITH APPROVED FLEXIBLE CONNECTION AND QUICK DISCONNECT. TYP.
17. EXISTING GAS METER TO BE REPLACED WITH A NEW 800CFH (MBH) GAS METER BY GAS COMPANY. LOW PRESSURE 0.7" W.C. PROVIDE SEISMIC VALVE.
18. EXISTING WATER CLOSET AND LAVATORY. CONNECT LAVATORY TO NEW WATER HEATER AS NEEDED. PROVIDE STOPS.

DOMESTIC WATER & GAS SUPPLY PLAN | SCALE: 1/16" - 1'-0" | 2



PLUMBING GENERAL NOTES:

1. GENERAL NOTES APPLY TO ALL PLUMBING SHEETS.
2. PROPOSED CONNECTION TO EXISTING SEWER PIPES INSIDE AND OUTSIDE THE TENANT SPACE IS BASED ON THE ASSUMPTION THE PIPES ARE IN GOOD CONDITIONS AND EXITING PIPES ARE EQUAL OR LARGER IN SIZE TO NEW.
3. PLUMBING/MECHANICAL CONTRACTOR SHALL INCLUDE IN HIS/HER BID THE INVESTIGATION OF EXISTING SEWER PIPES ROUTING, FLOW DIRECTION, SIZE AND INVERT ELEVATION OF EXISTING SYSTEM BEFORE FIXTURES LAYOUT AND TRENCHING AND SHALL INFORM THE ARCHITECT/ENGINEER OF RECORD ANY DISCREPANCY BETWEEN DRAWINGS AND EXISTING BUILDING CONDITIONS.
4. PLUMBING WORK SHALL NE DONE IN ACCORDANCE WITH PLUMBING CODE, LOCAL HEALTH DEPARTMENT STANDARDS, AND THE AUTHORITY HAVING JURISDICTION.
5. EXISTING WASTE, GAS AND WATER, POINTS OF CONNECTION TO EXISTING ARE SHOWN ON THESE DRAWINGS BASED ON SHELL DRAWINGS FOR THIS TENANT SPACE AND DOES NOT NECESSARILY REPRESENT EXACT LOCATION OF SUCH PIPES. THE INFORMATION PRESENTED ON THESE PLANS IS PROVIDED AS A GENERAL LAY-OUT PLAN. TI ENGINEER ACCEPTS NO RESPONSIBILITY. MECHANICAL/PLUMBING CONTRACTOR IS RESPONSIBLE FOR SITE INVESTIGATION PRIOR COMMENCEMENT OF WORK TO FULLY REVEAL SCOPE OF WORK.

PLUMBING KEYED NOTES:

1. NEW SANITARY SEWER CONNECTED TO EXISTING PIPE. VERIFY LOCATION OF EXISTING PIPE IN THE FIELD AND ADJUST ROUTING AND DIRECTION OF PIPE AS NEEDED.
2. 1-1/2" GW, 1-1/2"V UP.
3. 2" SS, 1-1/2"V UP.
4. 2" GW, 1-1/2" V UP.
5. 2" ISLAND VENT, LOOP-VENT.
6. PROVIDE DIRECT DRAIN CONNECTION TO 3-COMPARTMENT SINK.
7. 2" V FROM BELOW GRADE
8. PROVIDE INDIRECT DRAIN CONNECTION TO ICE MAKER. TERMINATE WITH 2" AIR GAP ONTO FLOOR SINK.
9. 2 MINUTE ACCESSIBLE FLOW CONTROL BELOW GRADE, PROVIDE VENT.
10. RECESSED GREASE TRAP. LID FLUSH WITH FLOOR. HEAVY DUTY FOOT-TRAFFIC RATED LID.
11. WATER HEATER DRAIN AND T&R ONTO MOP SINK. TERMINATE WITH 1" AIR GAP.
12. PROVIDE DRAIN CONNECTION TO PREP SINK DISCHARGE THROUGH A 2" AIR GAP TO FLOOR SINK.
13. CONDENSATE DRAIN FROM COOLER TO TERMINATE ONTO MOP SINK WITH MIN 2" AIR GAP.
14. 2" VTR
15. EXISTING TOILET & LAVATORY TO BE REUSED. SHOW FOR REFERENCE ONLY.
16. PROVIDE 3" PVC VENT CONNECTION. TERMINATE ON 12" ABOVE ROOF. PROVIDE CAP.

WASTE AND VENT PLAN | SCALE: 1/4" - 1'-0" | 1

REV. DATE	NO.
PLAN CHECK 12/19/19	1
PLAN CHECK 02/14/20	2

REGISTERED PROFESSIONAL ENGINEER HECTOR M. PEDRAZA No.M33187 Exp. 09/30/21 MECHANICAL STATE OF CALIFORNIA
SIGNED: 02/14/20

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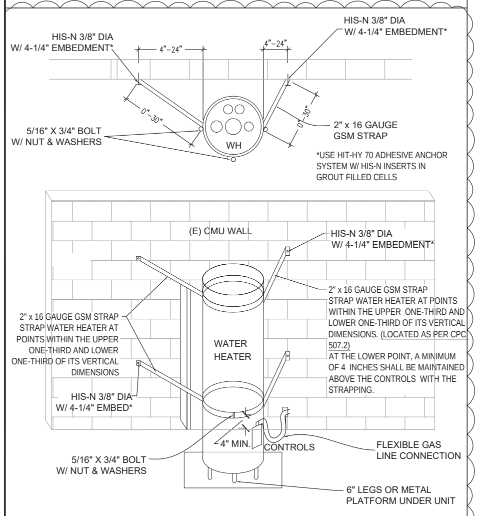
Date: 09/30/19
Drawn: HP
Sheet: P2.0



48 GALLON WATER HEATER, WEIGHT (WITH MAX GAL. WATER = 590 LB)
2 DIMENSIONS: 22" DIA, 56" TANK HEIGHT + 6" LEGS

9 DETAIL - WATER HEATER STRAPPED TO WALL
N.T.S.

STUDS TABLE PER DIETRICH INDUSTRIES (PER I.C.B.O. #4782)

ALLOWABLE WALL HEIGHT L/ 120 DEFLECTION

MEMBER			5PSF		
SIZE (IN.)	CODE	GAGE	12	16	24
			(FT.-IN.)		
1-5/8"	STN	25	9-10	8-11	7-10
	STH	22	11-5	10-4	9-0
	STE	20	12-1	11'-0	9-7
2-1/2"	STN	25	13-7	12-4	10-8
	STH	22	15-8	14-4	12-6
	STE	20	16-10	15-4	13-4
3-1/2"	STN	25	17-7	16-0	13-1
	STH	22	20-5	18'-6	16-2
	STE	20	21-10	19-10	17-4
3-5/8"	STN	25	18-1	16-4	13-4
	STH	22	21-0	19'-0	16-7
	STE	20	22-5	20-4	17-10
4"	STN	25	19-6	17-1	14-0
	STH	22	22-7	20-7	18-0
	STE	20	24-2	22-0	19-2
5-1/2"	STH	22	29-2	26-6	22-4
	STE	20	31-2	28-5	24-10
6"	STH	22	31-4	28-5	23-2
	STE	20	33-6	30-5	26-7

L/240 DEFLECTION

MEMBER			5PSF		
SIZE (IN.)	CODE	GAGE	12	16	24
			(FT.-IN.)		
1-5/8"	STN	25	7-10	7-1	6-2
	STH	22	9-0	8-2	7-2
	STE	20	9-7	8-8	7-7
2-1/2"	STN	25	10-10	9-10	8-6
	STH	22	12-6	11-4	9-11
	STE	20	13-4	12-1	10-7
3-1/2"	STN	25	14-0	12-8	11-1
	STH	22	16-2	14-8	12-10
	STE	20	17-4	15-6	13-8
3-5/8"	STN	25	14-4	13-0	11-5
	STH	22	16-7	15-1	13-2
	STE	20	17-10	16-1	14-1
4"	STN	25	15-6	14-1	12-4
	STH	22	18-0	16-4	14-4
	STE	20	19-2	17-5	15-2
5-1/2"	STH	22	23-2	21-1	18-5
	STE	20	24-10	22-6	19-8
6"	STH	22	24-11	22-7	19-8
	STE	20	26-7	24-2	21-1

NOTE 1 STEEL STUDS AND RUNNERS (TRACK) COMPLY WITH ASTM STANDARD AND C 645-70, STEEL SCREWS RECOMMENDED SPECIFICATION FOR THE APPLICATION AND FINISHING OF GYPSUM BOARD (GA-216)

NOTE 2 FOR HEAVY DOORS INSTALLED IN PARTITIONS, IT IS RECOMMENDED THAT DOOR CLOSURES BE USED. FOR DOOR FRAME INSTALLATION IN FIRE RATED STEEL STUD PARTITIONS SEE SECTION V.

NOTE 3 DESCRIPTION.

NOTE 4 CALCULATIONS ARE BASED ON ALLOWABLE DESIGN STRESS OF 20,000 PSI.

CONTRACTOR SHALL CONSULT WITH MANUFACTURER

COMPLY WITH ASTM STANDARD C 1002 AND ARE SPACED IN ACCORDANCE WITH GYPSUM ASSOCIATION

MECHANICAL FASTENING OF STUDS TO TRACK IS NOT REQUIRED UNLESS SPECIFICALLY NOTED IN TEST

STUD TABLE **WHEN HEIGHTS EXCEED THOSE LISTED ABOVE.**

SECTION VI
LIMITING HEIGHTS (NONLOAD-BEARING)

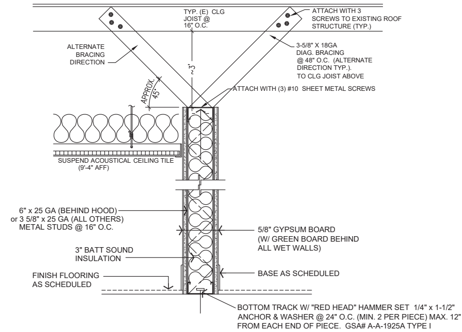
NOTE: THE LIMITING HEIGHT CALCULATIONS IN TABLE VI AREA SPECIFIC TO 0.0209 INCH BASE METAL THICKNESS AND MAY NOT BE REPRESENTATIVE OF ALL NOMINAL 25 GAGE METAL STUDS AVAILABLE INT. THE MARKETPLACE. WHERE BASE METAL THICKNESS ARE UNKNOWN OR KNOWN TO BE LESS THAN 0.0209 INCH, CONSULT THE METAL STUD MANUFACTURER FOR LIMITING HEIGHTS.

MAXIMUM HEIGHT LIMITATIONS ARE GIVEN FOR SOME NONLOAD-BEARING PARTITIONS, IN INSTANCES WHERE NO HEIGHT LIMIT 18 GIVEN FOR SPECIAL PURPOSE PARTITIONS, SUCH AS MOVABLE OR SHAFT WALL SYSTEMS, THE MANUFACTURER SHALL BE CONSULTED .

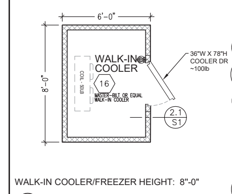
CRITERIA USED TO EVALUATE TRANSVERSE LOAD TESTS, CONDUCTED TO DETERMINE MAXIMUM HEIGHTS, ARE 5 POUNDS PER SQUARE FOOT FOR BOTH STRESS AND DEFLECTION REQUIREMENTS WITH A DEFLECTION LIMITATION OF HEIGHT DIVIDED BY 120 FOR GYPSUM BOARD AND HIGH STRENGTH GYPSUM VENEER FINISHES, AND HEIGHT DIVIDED BY 240 FOR GYPSUM OR METAL LATH AND PLASTER PARTITIONS. LIMITING HEIGHTS FOR HIGH STRENGTH GYPSUM VENEER FINISHES AND PARTITIONS WITH GYPSUM BOARD, SCREW ATTACHED TO STEEL STUDS, ARE BASED UPON A COMPOSITE SECTION WITH STEEL STUDS COMPLYING WITH ASTM C 645-70 UNLESS OTHERWISE INDICATED.

A LIMITING HEIGHT IN EXCESS OF THAT SHOWN MAY BE OBTAINED BY USING A DEEPER STUD THAN THAN TESTED, BY SPACING THE STUDS CLOSER TOGETHER BY USING A HEAVIER GAGE STUD, OR BY ADDING AN ADDITIONAL PLY OF GYPSUM BOARD. TABLE VI MAY BE USED AS A GUIDE FOR GYPSUM BOARD AND HIGH STRENGTH GYPSUM VENEER FINISHES

A HIGHER DEGREE OF DEFLECTION RESISTANCE FOR SOME APPLICATIONS MAY BE DESIRABLE SUCH AS FOR OFFICES AND INSTITUTIONAL BUILDINGS AS COMPARED TO INDUSTRIAL BUILDINGS. LOWER LIMITING HEIGHTS THAN THOSE BASED ON DEFLECTION AND STRESS CRITERIA MAY THEREFORE BE WARRANTED FOR IMPROVED PERFORMANCE AS RELATED TO HUMAN RESPONSE TO FLEXURE FROM IMPACT, OR TO

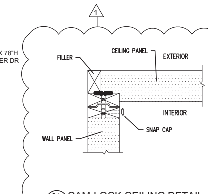


1 MTL STUD PARTITION WALL DETAIL
SCALE: N.T.S.



WALK-IN COOLER/FREEZER HEIGHT: 8'-0"

2 PLAN VIEW-WALK-IN COOLER/FREEZER
1/4" = 1'-0"



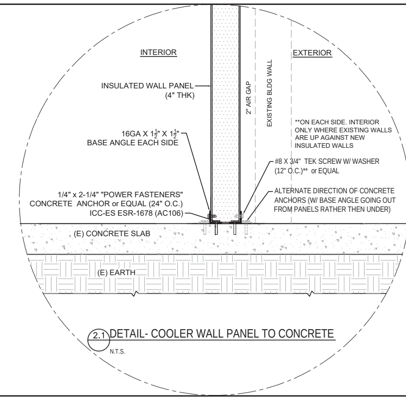
2A CAM-LOCK CEILING DETAIL
N.T.S.

PANEL SPECIFICATIONS: NSF

WALLS, FLOOR, & CEILING - MASTER-BILT 4" THK **NSF** CLASS 1
FOAM-IN-PLACE URETHANE CAM-LOCK COOLER PANEL OR EQUAL - (2.2 lb sq/ft).

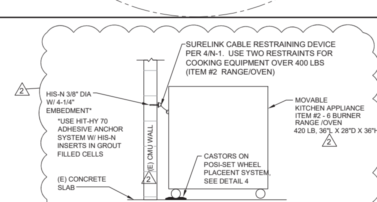
R-VALUES:
COOLER WALLS/CEILING/DOOR - R-25 min

FINISH:
ALL WALLS & CEILING - 26 GA GALVALUM NSF PANELS
COOLER FLOOR - EPOXY W/ COVED BASE, SEE SHEET EH-1

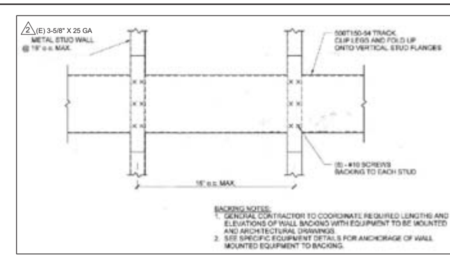


2.1 DETAIL- COOLER WALL PANEL TO CONCRETE
N.T.S.

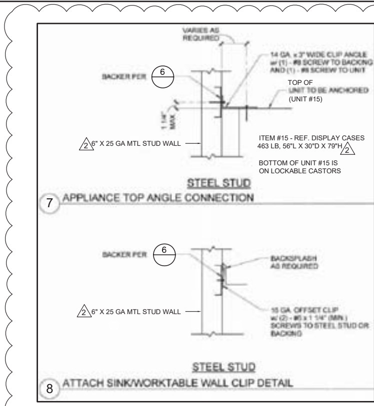
4 GAS EQUIPMENT RESTRAINT SYSTEM



5 DETAIL - >400LB APPLIANCE RESTRAINT
N.T.S. SEISMIC ATTACHMENT FOR ITEM #2



6 DETAIL - WALL BACKING
N.T.S.



7 APPLIANCE TOP ANGLE CONNECTION

8 ATTACH SINK/WORKTABLE WALL CLIP DETAIL

SEISMIC ATTACHMENT FOR ITEM #15 (DISPLAY CASE)

REV.	DATE	NO.
	12/27/19	1
	1/31/20	2

Exp. 06-30-21
Civil
STATE OF CALIFORNIA

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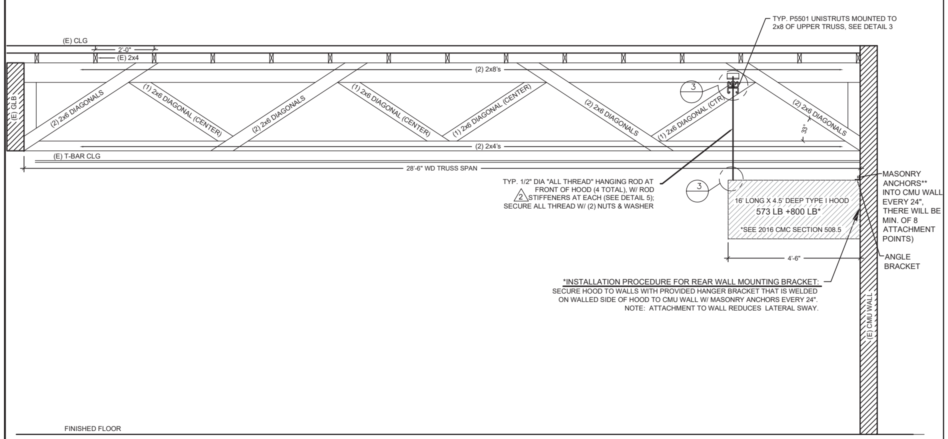
Date: 10/7/19
Drawn: GCC
Sheet: S-1

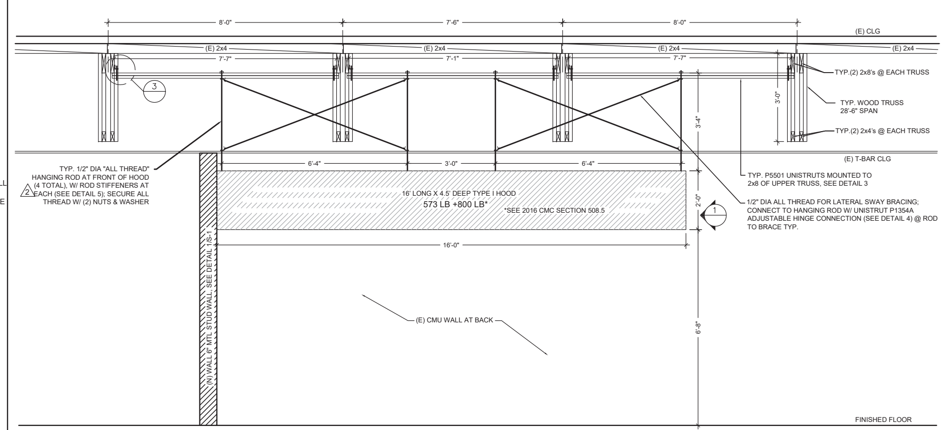


1 ELEVATION (SIDE) - 16' HOOD SUPPORT

N.T.S.

W/ SEISMIC SWAY BRACE

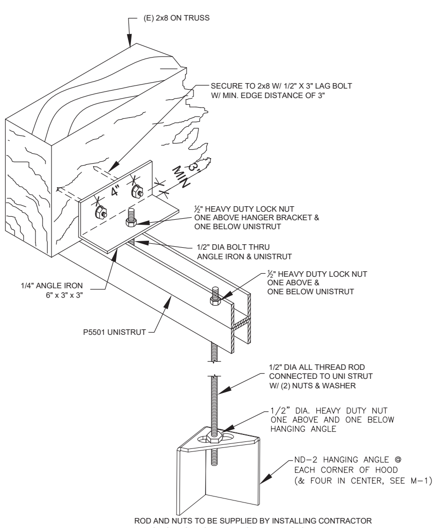
**MASONRY ANCHORS: HILTI HIT-HY 70 anchr system using 3/8" HIS-RN steel inserts with 4-1/4" embedment ICC-ESR-2682 report



2 ELEVATION (FRONT) - 16' HOOD SUPPORT

N.T.S.

W/ SEISMIC SWAY BRACE



3 DETAIL - ATTACHMENT

N.T.S.

UNISTRUT

P1354A ADJUSTABLE HINGE CONNECTION FOR ROD TO BRACE

Materials & Finishes - Standard:

- **Base Metal:** Steel conforms to ASTM A1011 SS GR 33, A1011 HSLAS GR 45, A36, A575, A576, or A635.
- **Electrogalvanized (EG):** Conforms to ASTM B633, Type III SC1
- **Unistrut Defender (DF):** Conforms to ASTM A1059
- **Hot Dip Galvanized (HG):** Conforms to ASTM A123 or A153
- **Perma-Green (GR):** Conforms to commercial standards for powder coating
- **Perma-Gold (ZD):** Conforms to ASTM B633, Type II SC1
- **Plain (PL):** No finish

Materials & Finishes - Special Metals:

- **Stainless Steel, Type 304 (SS):** Conforms to ASTM A240 or A276, Type 304 *
- **Stainless Steel, Type 316 (ST):** Conforms to ASTM A240 or A276, Type 316 *
- **Aluminum (AL):** Conforms to ASTM B209, Type 1100F or 5052-H32 *

* These materials have different physical properties and performance characteristics. Please contact us for design support.

4 DETAIL - P1354A ADJ. HINGE CONNECTION

N.T.S.

UNISTRUT — 1⅝" Framing System – Nuts & Hardware

P2486 — SEISMIC ROD STIFFENER

P2485 & P2486 – SPACING CHART

Rod Size In (mm)	Root Area In2 (mm2)	Radius of Gyration In (mm)	Design Load Lbs (kN)	Rod Stiffener Clip Spacing (L): Rod Stress @100% 10,700 PSI In (mm)	Rod Stress @75% 8,025 PSI In (mm)	Rod Stress @50% 5,350 PSI In (mm)	Rod Stress @35% 3,745 PSI In (mm)
[illegible]	0.068	0.074	730	9	11	13	15
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	0.126	0.100	1,350	12	14	17	21
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	0.202	0.127	2,160	15	18	22	26
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Notes:
1. Minimum Tensile Stress is 50,000 psi (345MPa)
2. Working Stress is 10,700 psi (73.8 MPa) – Same as for Tension
3. Compression Will Only Occur During a Seismic Event
4. Compression Requires the Use of Rod Stiffeners
5. KL/r = 200 When Rod Stress is at 35%

Refer to seismic bracing systems catalog for more detailed information.

MATERIAL

Unistrut channel nuts are manufactured from mild steel bars, and after machining operations are completed, they are case hardened, assuring positive biting action into the inturned edge of the Unistrut channel.

Bolt Size	Channel Nut ASTM
[illegible]	A1011 SS GR45
[illegible]	A576 GR1015 Modified
[illegible]	A36 or A675 GR60
[illegible]	A36

FINISHES

Nuts, bolts and washers are electro-galvanized (EG), ASTM B633 Type III SC1 finish, unless otherwise noted.

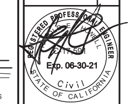
Many hardware items are also available in stainless steel. Consult factory for ordering information.

5 DETAIL - ROD STIFFINER

N.T.S.

2

REV. DATE	NO.
1/31/20	2



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Date: 11/6/19

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