

Department of Environmental Health and Qualit

Food and Housing Division
P.O. Box 129261, San Diego, CA 92112-9261
Phone: (858) 505-6659 | Fax: (858) 999-8920
www.sdcdehg.grg

Amy Harbert Director Heather Buonomo, REHS
Director of Environmental Health

Date: 05/03/2023

### PLAN APPROVAL SHEET

**Record ID:** DEH2022-FFPP-016009

**DBA:** SABOR PIRI PIRI

Address: 800 B AVE, NATIONAL CITY, CA 91950

Submitted By: Jeremy Artates

**Email:** jeremy@basecampconstructionco.com

Plans are approved by the Department of Environmental Health and Quality, Food and Housing Division (DEHQ-FHD) contingent upon the following:

- 1) DEHQ-FHD stamped plans must be maintained at the jobsite, followed during construction, and available for the Specialist to review at the time of inspection.
- 2) Changes to equipment layout, menu, or application must be submitted to DEHQ-FHD as a revision for prior approval. Changes made without approval will make the plan approval null and void.
- 3) All food and utensil-related equipment shall be certified to applicable sanitation standards by an American National Standards Institute ANSI accredited testing agency.
- 4) Indirect waste drain lines shall slope 1/4 inch per foot, shall not exceed 15 feet in length, shall terminate a minimum of 1 inch above the flood rim of floor sink with a legal air gap, and cannot intersect walkways or doorways.
- 5) Grease traps/interceptors, if required by the local waste water authority, must be located outside of the food preparation, food storage, or ware-washing areas.
- 6) Floors must slope 1:50 to floor drains and floor sinks shall be installed half exposed and equipped with an appropriate grill with access for cleaning.
- 7) Conduits of all types shall be installed within walls as practicable. When otherwise installed, they shall be mounted or enclosed in a chase to facilitate cleaning.
- 8) Seal all cracks, gaps, and crevices in counters, cabinets, around metal flashing, around sink backsplashes, and around pipes and conduits with silicone sealant.
- 9) An air balance report will be required at the time of final inspection to verify proper functionality of the exhaust ventilation hood(s) and make-up air system(s).
- 10) All areas where open food is being prepared must be constructed to be fully enclosed. All openable windows must be equipped with fixed 16 mesh fly screens and exterior doors must be self-closing. Moveable wall/window systems, garage roll-up doors, or other means of rendering food processing areas not fully enclosed are not approved.
- 11) At the time of final inspection, all equipment is to be in place and functional, the facility shall have all utilities operational and all refrigeration shall be capable of maintaining foods at 41 degrees F or below and shall be equipped with a thermometer accurate to +/- 2 degrees F in the warmest section of the unit.
- 12) Owner and/or operator must pass an approved and accredited Food Safety Certification course within 60 days of obtaining final approval from DEHQ-FHD to operate.
- Obtain all applicable local building and safety authority permits and approvals prior to the final inspection by DEHQ-FHD.
- 14) Upon completion of 50%-80% of construction, call your plan check specialist directly or the scheduling line at (858) 505-6660 to schedule a mid-inspection.

- 2 - **Date:** 05/03/2023

15) If no inspections are completed after one (1) year from the date the plans were approved, then the approved plan will be voided and new plans must be resubmitted for approval.

16) Submit common use restroom letter of agreement.

CONTACT YOUR PLAN CHECK SPECIALIST AT LEAST 10 WORKING DAYS IN ADVANCE TO SCHEDULE MID AND FINAL INSPECTIONS. A FINAL INSPECTION MUST BE CONDUCTED AND AN ENVIRONMENTAL HEALTH AND QUALITY PERMIT SHALL BE ISSUED PRIOR TO OPENING AND OPERATING THIS FOOD ESTABLISHMENT.

Muriel Galsim

Contact Info: (619) 726-9649, Muriel.Galsim@sdcounty.ca.gov

### Sabor Piri Piri Food Menu

### All Items served with rice

Chicken Peanut Curry

Red Chicken Curry

Grilled Piri Piri Chicken

Broccoli Sweet Potato Curry

Collard Greens

Black-eyed Peas and Kale

### **Small Plates**

Chicken Samosas

Potato Samosas

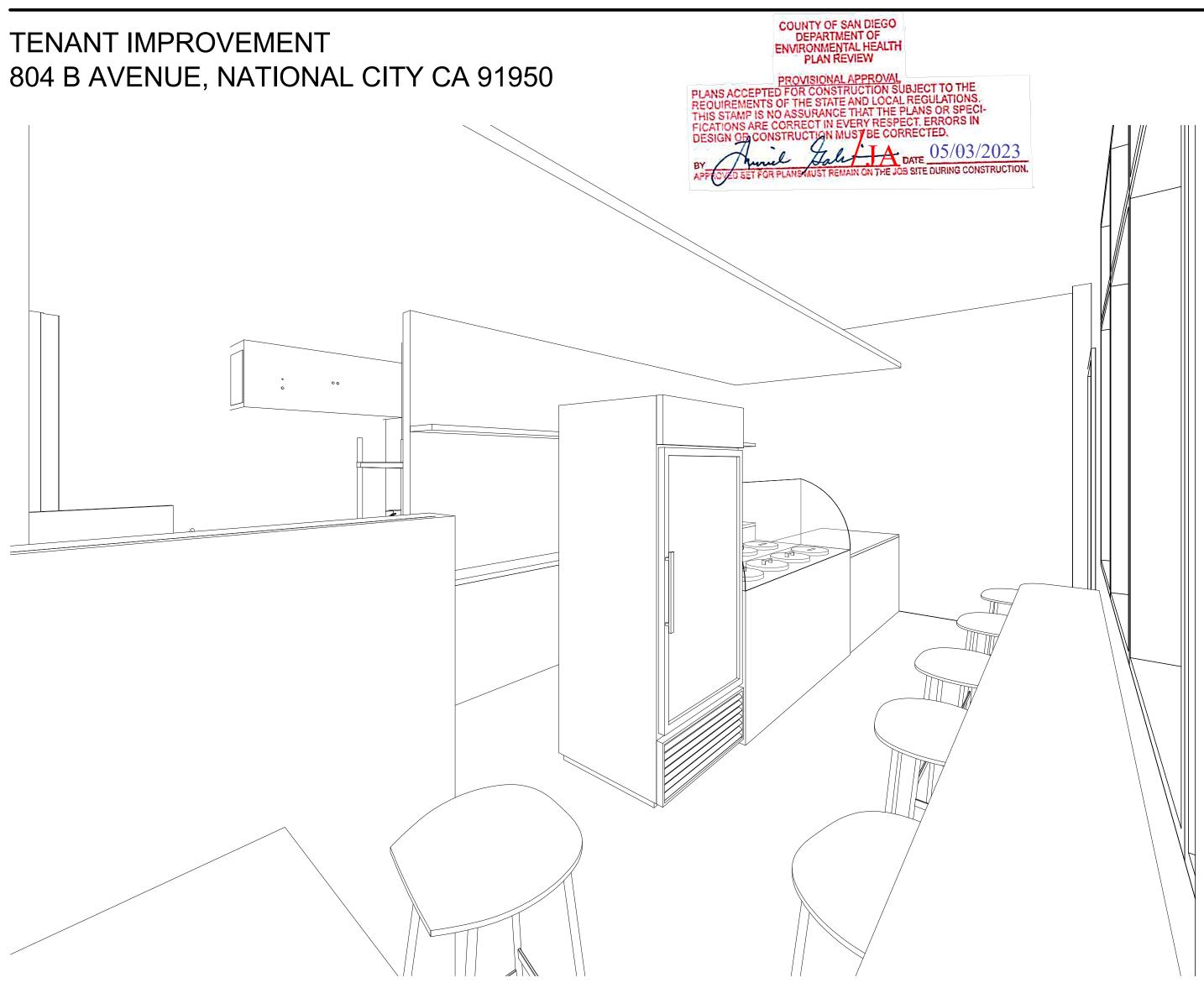
Spinach Samosas

Fried Plantains



### SABOR PIRI PIRI

### DEH2022-FFPP-016009



### TITLE 24 ADA COMPLIANCE

### Permit # 2019-8703 - ORGINAL PERMIT

THE ACCESSIBLE ROUTE(S) OF TRAVEL SHALL BE THE MOST PRACTICAL DIRECT ROUTE BETWEEN ACCESSIBLE POINTS.

I AM THE DESIGNER/OWNER IN RESPONSIBLE CHARGE OF THIS PROJECT. I HAVE INSPECTED THE PREMISES AND DETERMINED THAT THE NEW RESTROOM(S) AND/OR AREA OF ALTERATION WILL BE FULLY ACCESSIBLE ACCORDING TO CURRENT CODE REQUIREMENTS.

DATE 11/18/2022

I AM THE DESIGNER/OWNER IN RESPONSIBLE CHARGE OF THIS PROJECT, I HAVE INSPECTED THE SITE/PREMISES AND DETERMINED THAT EXISTING CONDITIONS SHALL BE MODIFIED IN FULL COMPLIANCE WITH CURRENT SITE ACCESSIBILITY REQUIREMENTS TO THE EXTENT REQUIRED BY

> JEREMY ARTATES 11/18/2022

IF THE BUILDING INSPECTOR DETERMINES NON-COMPLIANCE WITH ANY CURRENT ACCESSIBLITY PROVISIONS OF THE LAW, HE/SHE SHALL REQUIRE SUBMITTAL OF COMPLETE AND DETAILED PLANS TO BUILDING AND SAFETY DIVISION OF THE DEVELOPMENT SERVICES DEPARMENT FOR FURTHER REVIEW. PLANS MUST CLEARLY SHOW ALL EXISTING NON-COMPLYING CONDITIONS AFFECTED BY THE REMODEL (INCLUDING SITE PLAN, FLOOR PLANS, DETAILS, ETC.) AND PROPOSED MODIFICATIONS OF DEFICIENCIES TO MEET CURRENTS ACCESSIBLITY PROVISIONS. THE PLANS MUST BE SIGNED AND DATED BY THE FIELD INSPECTOR PRIOR SUBMITTAL FOR PLAN-REVIEW.

IF THE BUILDING INSPECTOR DETERMINES THAT FULL COMPLIANCE WITH CURRENT SITE ACCESSIBILITY REQUIREMENTS IS NOT PROVIDED. HE/SHE SHALL REQUIRE SUBMITTAL OF A DETAILED SITE PLAN FOR ADDITIONAL PLAN REVIEW AND COMMENTS.

G:\Building and Safety\HANDOUTS \Title 24 ADA Compliance

LAW.

### GENERAL INFORMATION

ADDRESS: 804 B AVENUE NATIONAL CITY CA 91950

APN: 556:472-26-00

LEGAL DESCRIPTION: BLK 2\*LOTS 11 THRU 20 IN SUB OF LOT QSEC 154 MP166 IN\

TENANT NAME: SABOR PIRI PIRI

PROPERTY TOTAL SQ FT: 453 SQFT

USE TYPE: FOOD/RETAIL - COMMERCIAL

FIRE ALARM: YES

WATER AND SEWER DISTRICT: SWEETWATER

**BUILDING CODE: 2019 CALIFORNIA BUILDING** 

CODE CBC

TYPE OF FACILITY: SINGLE SERVICE UTENSILS

NUMBER OF EMPLOYEES: 3

### **SCOPE OF WORK:**

THIS PROJECT WILL PROPOSE A 453SF TENANT IMPROVEMENT KITCHEN AND SERVING AREA WITH NEW MECHANICAL / ELECTRICAL / PLUMBING EQUIPMENT AND NEW MENU INSIDE AN EXISTING BUILDING SHELL FOR A HEALTH DEPARMENT PERMIT AND BUILDING PERMIT. NO STRUCTURAL WORK WILL BE PROPOSED.

### **APPLICABLE CODES:**

**BUILDING CODE:** 2019 CALIFORNIA BUILDING CODE (CBC)

PLUMBING CODE: 2019 CALIFORNIA PLUMBING CODE (CPC)

2019 CALIFORNIA MECHANICAL CODE (CMC) **MECHANICAL CODE:** 

**ELECTRICAL CODE:** 2019 CALIFORNIA ELECTRICAL CODE (CEC)

**ENERGY CODE:** 2019 CALIFORNIA ENERGY CODE

FIRE/LIFE SAFETY: 2019 CALIFORNIA FIRE CODE (CFC)

ACCESSIBILITY CODE: 2019 CALIFORNIA BUILDING CODE

(TITLE 24, PART 2)

### PROJECT TEAM

### **TENANT/OWNER:**

CANDIDO GADAGA SABOR PIRI 804 B AVENUE

619.200.8246 GADAGACANDIDO@GMAIL.COM

### **DESIGNER:**

BASECAMP CONSTRUCTION CO. JEREMY ARTATES

75 3RD AVE UNIT 21

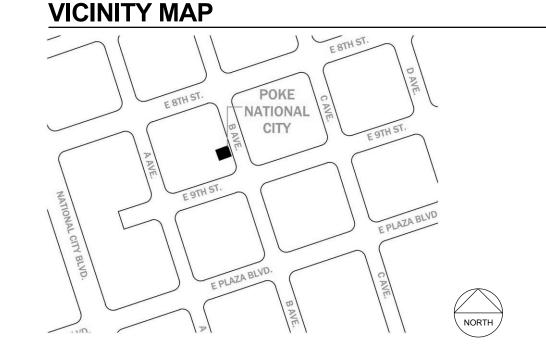
CHULA VISTA CA 91910

INFO@RIV-ENG.COM

949.702.2859 JEREMYARTATES@GMAIL.COM

### MECHANICAL / PLUMBING / ELECTRICAL

**CARLOS RIVAS** RIVERSIDE ENGINEERING INC. 11801 PIERCE STREET, SUITE #200 **RIVERSIDE CA 92507** 951.512.3280



### **PROJECT INFORMATION**

OCCUPANCY: B

DESCRIPTION OF USE: KITCHEN/COMMERICAL, FOOD/RETAIL

TYPE OF CONSTRUCTION: 1A NON-COMBUSTABLE

DESCRIPTION OF USE: RESTAURANT UNDER 50 OCC.

SPRINKLERS: YES, EXISTING

STORIES: 1

HEIGHT: 10'-6"

FLOOR AREA: 453 SF

OCCUPANT LOAD: 33

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A1.0 SITE PLAN

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E2.1 ELECTRICAL POWER PLAN

E4.1 ELECTRICAL SINGLE LINE DIAGRAM AND LOAD CALCULATIONS

SUBMITTAL DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE

AND FORWARD THEM TO THE BULIDING OFFICIAL WITH A NOTATION INDICATED THAT THE

DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND THAT THEY HAVE BEEN

FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING. THE

DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN AND

SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL.

REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE, WHO SHALL REVIEW THEM

E4.2 COMPLIANCE CERTIFICATION

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M5.1 HOOD SPECIFICATIONS

M5.2 HOOD SPECIFICATIONS

M6.1 TITLE 24 - ENERGY COMPLIANCE FORMS

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P0.2 PLUMBING SCHEDULES CONT.

P2.1 PLUMBING DOMESTIC WATER & GAS PLAN

P3.1 PLUMBING ISOMETRIC VIEW

P4.1 PLUMBING DETAILS

**DEFERRED SUBMITTALS:** 

YES - FIRE SPRINKLER

### **GENERAL**

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A0.3 ACCESSIBILITY DETAILS A0.4 EXTERIOR WALL ASSEMBLIES

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A0.6 ASSEMBLY DETAILS

A1.1 FLOOR PLANS

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### PLUMBMING

P2.2 PLUMBING WASTE & VENT PLAN

### DRAWN BY: XX-XXX PROJECT# NUMBER DESCRIPTION

DRAWINGS PREPARED BY:

TITLE SHEET

SHEET:

**G0.1** 

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### **ABBREVIATIONS**

Δ.		00	OL FANOLIT	EVICE	EVICTING	LID	HOSE DID	NI		DD	DECILIENT DAGE	0)/0	CVCTEM
A	AND	CO	CLEANOUT COLUMN	EXIST	EXISTING EXPANSION	HB HB	HOSE BIB HOSE BIBB	N N	NORTH	RB RBR	RESILIENT BASE RUBBER	SYS	SYSTEM
&	AT	COL CONC	CONCRETE	EXP EXT	EXPANSION	нв НС	HANDICAPPED	N NA	NOT APPLICABLE	RCP	RUBBER REFLECTED CEILING PLAN	T T	TREAD
@ ^P	ANCHOR BOLT	CONC	CONDITION	E/VI	EXTERIOR	HDWD	HARDWOOD	NC NC	NOISE CRITERIA	RD	ROOF DRAIN	T&B	TOP AND BOTTOM
AB	AIR CONDITIONING	COND	CONNECTION	г FA	FIRE ALARM	HDWR	HARDWARE	NIC	NOT IN CONTRACT	REC	RECESSED	T&G	TONGUE AND GROOVE
AC		CONN	CONSTRUCTION		FACE BRICK		HEIGHT	_			RECEPTACLE		
ACCUST	ACCESSIBLE			FB	FLOOR DRAIN	HGT HM		NO NOM	NUMBER	RECPT	REFERENCE	TB	TOWEL BAR
ACOUST		CONTR	CONTRACTOR	FD			HOLLOW METAL		NOMINAL	REF	REFRIGERATOR	TEL	TELEPHONE/TELECOM
ACT	ACOUSTIC CEILING TILE AREA DRAIN	CONTR COORD	CONTRACTOR COORDINATE	FD	FLOOR DRAIN OR FIRE DEPARTMENT	HNDRL	HANDRAIL	NON COMB	NON COMBUSTIBLE	REFR	REGISTER	TELE	TELEPHONE
AD		CORR	CORRIDOR	FDC	FIRE DEPARTMENT	HO HORIZ	HOLD OPEN	NTS	NOT TO SCALE	REG	REINFORCED REINFORCING	TEMP	TEMPORARY
ADJ	ADJACENT			100	CONNECTION		HORIZONTAL	0	NOTTO GOALL	REINF		TEMP	TEMPORARY
AFF	ABOVE FINISHED FLOOR	CPT	CARPET	FE	FIRE EXTINGUISHER	HR HRC	HOUR	OA	OUTSIDE AIR	REINF	REINFORCED	THK	THICKNESS
AFG	ABOVE FINISHED GRADE	CT	CERAMIC TILE	FEC	FIRE EXTINGUISHER	_	HOSE REEL CABINET	OC	ON CENTER	REL	RELOCATE	THRU	THROUGH
AGGR	AGGREGATE	CTR	CENTER		CABINET	HTG	HEATING	OD	OUTSIDE DIAMETER	REM	REMOVABLE	TKBD	TACK BOARD
ALT	ALTERNATE	CTSK	COUNTERSUNK	FF&E	FURNITURE, FIXTURES AND	HVAC	HEATING VENTILATION AND AIR CONDITIONING	OD	OVERFLOW DRAIN	REOOM	RECOMMENDED	TLT	TOILET
ALUM	ALUMINUM	CW	COLD WATER		EQUIPMENT	HW	HOT WATER	OFCI	OWNER FURNISHED.	REQ	REQUIRE/REQUIRED	TMPD	TEMPERED
ANOD	ANODIZED	D	DEED DEDTH	FFB	FLUSH FLOOR BOX	1 1 1 V	HOT WATER	OI CI	CONTRACTOR INSTALLED	REQD	REQUIRED	TO	TOP OF DEAM
APC	ACOUSTICAL PANEL CEILING	D	DEEP, DEPTH	FFEL	FINISH FLOOR ELEVATION	ID	INSIDE DIAMETER	OFF	OFFICE	RESIL	RESILIENT	TOB	TOP OF BEAM
ADDDO)	C APPROXIMATE	DBL	DOUBLE	FH	FLAT HEAD	IN	INCH/INCHES	OFOL	OWNER FURNISHED,	REV	REVISION/REVISED	TOC	TOP OF CONCRETE
ARCH	ARCHITECTURAL	DEG	DEGREE	FHC	FIRE HOSE CABINET	INCAND		01 01	OWNER INSTALLED	RM	ROOM	TOS	TOP OF STEEL
ASPH	ASPHALT	DEMO	DEMOLISH OR DEMOLITION	FIN	FINISH	INCL	INCLUDED/INCLUDING	ОН	OVERHEAD	RO	ROUGH OPENING	TS	TUBE STEEL
ATTN	ATTENTION	DEMO	DEMOLITION	FIXT	FIXTURE	INCL	INFORMATION	OPNG	OPENING	RTD	RATED	TV	TELEVISION
	ATTENTION AUTOMATIC	DEPT	DEPARTMENT	FLASH	FLASHING	INSUL	INSULATION	OPP	OPPOSITE	RTG	RATING	TYP	TYPICAL
AUTO	AUDIOVISUAL	DF	DRINKING FOUNTAIN	FLR	FLOOR		INSULATION INSULATED OR INSULATION	ORD	OVERFLOW ROOF DRAIN	RWL	RAIN WATER LEADER	U	
AV	AUDIOVISUAL	DIA	DIAMETER	FLUOR	FLUORESCENT	INSUL		P		S		UNFIN	UNFINISHED
В	DOADD	DIFF	DIFFUSER	FND	FOUNDATION	INT INTERM	INTERIOR INTERMEDIATE	P	PAINT	S	SOUTH	UNO	UNLESS NOTED OTHERWISE
BD	BOARD	DIM	DIMENSION	FO	FACE OF			PAV	PAVING	SA	SUPPLY AIR	HON	
BIT	BITUMINOUS	DIMS	DIMENSIONS	FP	FIRE PROTECTION	INV	INVERT	PBD	PARTICLE BOARD	SAF	SELF ADHERED FLASHING	UON	UNLESS OTHERWISE NOTED
BLDG	BUILDING	DISP	DISPENSER	FPG	FIREPROOFING	J	IANUTOR	PC	PRECAST	SC	SOLID CORE	URNL	URINAL
BLK	BLOCK	DIV	DIVISION	FR	FIRE RESISTANT	JAN	JANITOR	PDF	POWER DRIVEN FASTENER	SCHED	SCHEDULE	V	OMNAL
BLKG	BLOCKING	DMPF	DAMP PROOFING	FRC	FIBER REINFORCED	JC	JANITOR'S CLOSET	PERF	PERFORATED	SD	STORM DRAIN	VAC	VENTILATION AND AIR
BM	BEAM BOTTOM OF	DN	DOWN		CONCRETE	JST	JOIST	PERIM	PERIMETER	SECT	SECTION	VAO	CONDITIONING
BO	BOTTOM OF	DO	DOOR OPENING	FRT	FIRE RETARDANT TREATED	JT	JOINT	PERP	PERPENDICULAR	SF	SQUARE FEET/FOOT	VAR	VARIES
BOT	BOTTOM	DR	DOOR	FT	FEET/FOOT	K	KITOLIEN	PI.	PLATE	SH	SPRINKLER HEAD	VCT	VINYL COMPOSITION TILE
BRG	BEARING	DRN	DRAIN	FTG	FOOTING	KIT	KITCHEN	PLAM	PLASTIC LAMINATE	SHR	SHOWER	VERT	VERTICAL
BRK	BRICK	DS	DOWNSPOUT	FURN	FURNITURE	KO	KNOCK OUT	PLAS	PLASTER	SHT	SHEET	VEST	VESTIBULE
BRKT	BRACKET	DS	DOWN SPOUT	FURR	FURRING	L		PLBG	PLUMBING	SIM	SIMILAR	VIF	VERIFY IN FIELD
BSMNT	BASEMENT	DTL	DETAIL	FWC	FABRIC WALL COVERING	LAM	LAMINATE	PLF	POUNDS PER LINEAR FOOT	SM	SHEET METAL	VP	VISION PANEL
C	OLIANINE	DW	DISHWASHER	FWP	FABRIC WRAPPED PANEL	LAV	LAVATORY	PLYWD	PLYWOOD	SM	SURFACE MOUNTED	VR	VAPOR RETARDER
C	CHANNEL	DWG	DRAWING	G		LB	POUNDS	PNL	PANEL	SP	STANDPIPE	VT	VINYL TILE
CAB	CABINET	DWR	DRAWER	GA	GAUGE	LLH	LONG LEG HORIZONTAL	PNT	PAINT OR PAINTED	SPEC	SPECIFICATION	VWC	VINYL WALL COVERING
CAT	CATEGORY	E		GALV	GALVANIZED	LLV	LONG LEG VERTICAL	POL	POLISHED	SPEC	SPECIFIED OR	W	VIIVE VIIVE GOVERNING
CB	CATCH BASIN	CMU	CONCRETE MASONRY UNIT	GB	GRAB BAR	LT	LIGHT	PR	PAIR	ODK	SPECIFICATION	W	WIDE/WEST
CB	CEMENT BOARD	E	EAST	GC	GENERAL CONTRACT(OR)	M	MACONDY	PREFAE		SPK	SPRINKLER OR SPEAKER	W/	WITH
CBU	CEMENTITIOUS BACKER UNIT	EA	EACH	GEN	GENERAL	MAS	MASONRY	PROJ	PROJECT	SPKR	SPEAKER	W/O	WITHOUT
CC	CENTER TO CENTER	EB	EXPANSION BOLT	GFRC	GLASS FIBER REINFORCED	MAX	MAXIMUM	PSF	POUNDS PER SQUARE	SQ	SQUARE	WC	WATER CLOSET
CCTV	CLOSED CIRCUIT	EJ	EXPANSION JOINT		CONCRETE	MECH	MECHANICAL	1 01	FOOT	SS	STAINLESS STEEL	WD	WOOD
CCTV	TELEVISION	EL	ELEVATION	GL	GLASS	MED	MEDIUM	PT	POINT	SSK	SERVICE SINK	WIN	WINDOW
CEM	CEMENT	ELEC	ELECTRICAL	GLAZ	GLAZING	MEMBR	MEMBRANE	PT	PRESSURE TREATED	STA	STATION	WM	WIRE MESH
CER	CERAMIC	ELEV	ELEVATOR	GRAN	GRANULAR	MFR	MANUFACTURER	PTD	PAINTED	STC	SOUND TRANSMISSION COEFFICIENT	WP	WATERPROOF/WATERPROO
CG	CORNER GUARD	EMER	EMERGENCY	GRD	GROUND	MH	MAN HOLE	PTN	PARTITION	STL	STEEL	•••	FING
CH	CHILLER	ENCL	ENCLOSURE	GRFG	GLASS FIBER REINFORCED	MIN	MINIMUM	PVC	POLYVINYL CHLORIDE	STOR	STORAGE	WPM	WATERPROOF MEMBRANE
CI	CAST IRON	ENG	ENGINEER		GYPSUM	MISC	MISCELLANEOUS	Q	<del></del>	STOR	STRINGER	WS	WEATHER-STRIPPING
CIP	CAST-IN-PLACE	EP	ELECTRICAL PANEL	GSM	GALVANIZED SHEET METAL	MO	MASONRY OPENING	QT	QUARRY TILE			WSCT	WAINSCOT
CJ	CONTROL JOINT	EPDM	ETHYLENE PROPYLENE	GV	GAS VALVE	MR	MOISTURE RESISTANT	QTY	QUANTITY		STRUCTURAL	WT	WEIGHT
CL	CENTERLINE		DIENE M-CLASS	GWB	GYPSUM WALL BOARD	MTD	MOUNTED	R	· -	STRUCT	STRUCTURE OR STRUCTURAL	WV	WATER VALVE
CLG	CEILING	EQ	EQUAL	GYP	GYPSUM	MTG	MOUNTING	R	RADIUS/RISER	SHECAT	SUBCATEGORY	WWF	WELDED WIRE FABRIC
CLG	CLEAR	EQUIP	EQUIPMENT	Н		MTL	METAL	RA	RETURN AIR	SUSP	SUSPENDED	WWM	WELDED WIRE MESH
CNTR	COUNTER	EXH	EXHAUST	Н	HIGH/HEIGHT	MULL	MULLION	RAD	RADIUS	SYM	SYMMETRICAL		
CIVIT	COUNTER									3 1 101	O I WIIWIE I NIOAE		

### **SYMBOLS**

O SIM

GRID MARKER

1 A101

CALL OUT

© CENTER LINE

DOOR DESIGNATION

INTERIOR ELEVATION

EXTERIOR ELEVATION

KEYNOTE

REVISION TAG

\_\_\_\_ SECTION DESIGNATION

(1t)

WALL TAG

NORTH ARROW



DRAWN BY:	Author	
PROJECT#	XX-XXX	
NUMBER	DESCRIPTION	DATE
TTOMBER	BEGGIAII TIGIA	<i>D</i> , (11)

SABOR PIRI TENANT IMPROVEME
804 B AVENUE
NATIONAL CITY CA 91950

DRAWINGS PREPARED BY:

JEREMY ARTATES

GENERAL NOTES

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### **HEALTH DEPARTMENT NOTES:**

1.THE FLOOR SURFACES OF A FOOD ESTABLISHMENT MUST BE DURABLE, CLEANABLE AND IMPERVIOUS TO WATER, FOOD, BY PRODUCTS AND CHEMICALS USED ON THE FLOOR FOR CLEANING OR OTHER PURPOSE. 2. FLOOR SURFACES IN ALL AREAS WHERE FOOD IS PREPARED, PACKAGED, DISPENSED

OR STORED, WHERE ANY UTENSIL IS WASHED, WHERE REFUSE OR GARBAGE IS STORED, WHERE JANITORIAL FACILITIES ARE LOCATED, IN ALL TOILET AND HAND WASHING AREAS AND IN EMPLOYEE CHANGE AND STORAGE ROOMS, IS TO BE OF AN APPROVED FLOOR SURFACE THAT CONTINUES UP THE WALL AT LEAST FOUR INCHES WITH A 3/8" MINIMUM RADIUS COVE AS AN INTEGRAL UNIT. THIS EXTENSION OF THE FLOOR INCLUDES TOE-KICKS OF COUNTERS AND EQUIPMENT THAT SETS FLUSH ON THE FLOOR. (VINYL RUBBER TOPSET COVE BASE IS NOT ACCEPTABLE).

3. FLOOR DRAINS ARE REQUIRED IN NEW TOILET ROOMS, IN AREAS WHERE DISH MACHINES ARE USED, IN JANITORIAL ROOMS WITH MOP SINKS, IN BARS EQUIPPED WITH BAR SINKS OR GLASS WASHERS, AND IN FRONT OF WALK-IN COOLERS OR EQUIPMENT WHICH ARE CLEANED BY WATER FLUSHING OR WHERE PRODUCTS ARE ICED DOWN. THE FLOOR SURFACE NEEDS TO SLOPE TO THE FLOOR DRAINS (1/4" PER FOOT). 4. FLOORING UNDER EQUIPMENT SHALL BE COMPLETELY SMOOTH FOR CLEANABILITY. FLOOR SURFACES THAT CONTAIN ANTI-SLIP AGENTS OR SURFACES ARE LIMITED TO FOOT

5. ALL FLOOR MOUNTED EQUIPMENT WILL BE INSTALLED ON MINIMUM 6" SANITARY LEGS, CASTORS, OR COMPLETELY SEALED IN POSITION ON A 4" HIGH CURB WITH CONTINUOUSLY COVED BASE, COUNTERTOP EQUIPMENT WILL BE ON 4-INCH SANITARY LEGS OR SEALED TO THE COUNTER UNLESS READILY MOVABLE. 6. THE FLOOR FINISH WILL HAVE A SMOOTH SURFACE UNDER ALL EQUIPMENT AND

WALKWAYS WILL HAVE A LIGHT TEXTURE ONLY. 7. PRIOR TO INSTALLATION, SAMPLES OF FINISHES TO BE SUBMITED TO ENVIRONMENTAL HEALTH FOR APROVAL AS NEEDED

1. WALLS IN ALL AREAS EXCEPT THE DINNIG SPACES ARE REQUIRED TO BE DURABLE SMOOTH SURFACED, LIGHT COLORED WITH AN EASILY CLEANABLE AND WASHABLE SURFACE. WALL SURFACES THAT CANNOT BE USED INCLUDE BRICK, CONCRETE BLOCK, ROUGH CONCRETE, ROUGH PLASTER, GROOVED PANELING, WALLPAPER, AND VINYL WALL COVERINGS. THESE SURFACES ARE EITHER TOO ROUGH, NOT CLEANABLE, OR DON'T HAVE SUFFICIENT DURABILITY.

2. ACCEPTABLE WALL SURFACES INCLUDE GLOSS OR SEMI-GLOSS ENAMEL PAINT, APPROVED EPOXY COATINGS, FIBER REINFORCED PLASTIC (FRP) PANELS, CERAMIC TILE (LIGHT COLORED), SYNTHETIC ENAMEL PAINT, OR OTHER APPROVED MATERIALS WITH A LIGHT RELFLECTANT VALUE (LRV) OF 70% OR MORE. POLISHED STAINLESS STEEL SHEETING IS ACCEPTABLE IN THESE AREAS. FRP AND METAL FLASHING SURFACES NEED TO BE SEALED TO THE SUB-WALL SURFACES.

3. WALL SURFACES BEHIND SINKS (POTS AND PANS JANITORIAL, UTENSIL, FOOD PREPARATION, HAND BASINS) AND DISHWASHERS MUST HAVE A MINIMUM EIGHT (8) FOOT HIGH WATER RESISTANT OTHER APPROVED MATERIAL. FRP STAINLESS STEEL CERAMIC TILE, OR OTHER APPROVED MATERIALS ARE ACCEPTABLE IN THESE AREAS. FRP AND METAL FLASHING SURFACES NEED TO BE SEALED TO THE SUB-WALL SURFACE. 4. WALL SURFACES OF TOILET ROOMS ARE REQUIRED TO BE SMOOTH SURFACED AND CLEANABLE. WALLS BEHIND HAND BASINS, TOILETS, AND URINALS WILL NEED WAINSCOTTING THAT COMPLIES WITH LOCAL BUILDING DEPARTMENT REQUIREMENTS. IF WAINSCOTING IS REQUIRED, THE SURFACE NEEDS TO BE SMOOTH SURFACED, DURABLE, AND WATER RESISTANCE 5. WALL SURFACES OF 70% LRV OR GREATER ARE NOT REQUIRED IN BARS WHERE

ALCOHOLIC BEVERAGES ARE SOLD OR SERVED DIRECTLY TO THE CUSTOMER (EXCEPT BEHIND BAR SINKS, DINNING AND SALES AREAS, OFFICES, AND RESTROOMS THAT ARE USED EXCLUSIVELY BY PRATONS. 6. THE PAINT USED ON WALLS AND CEILINGS OF ALL KITCHEN, FOOD PREPARATION,

WORK, AND STORAGE AREAS WILL BE A GLOSS OR SEMI GLOSS ENAMEL, FINISH MATERIAL SHALL BE A LIGHT COLOR IN FOOD PREP AREAS FOR EASY CLEANING.

1. CEILING SURFACES IN ALL FOOD PREPARATION ARES ARE REQUIRED TO BE SMOOTH SURFACED, LIGH-COLORED, AND EASILY CLEANABLE WITH A LIGHT REFLECTED VALUE (LRV) OF 70% OR MORE. ACCEPTABLE SURFACES INCLUDE GLOSS OR SEMI-GLOSS LIGHT COLORED ENAMEL PAINT, APPROVED EPOXY COATINGS, SMOOTH SURFACED LAY-IN VINYL PANELS (SAMPLE MAY BE REQUIRED) AND SIMILAR APPROVED SURFACES. . BLOWN OR ACOUSTICAL CEILING MATERIAL AND TEXTURED LAYING ACOUSTICA CEILING PANELS MAY BE USED ONLY IN DINNING ROOMS AND NON-FOOD PREPARATION OR HANDLING SPACES (F.G., HALLWAYS, PURE OFFICE SPACES, FTC.) 3. WAITRESS STATIONS, SALAD BARS, FOOD SERVING, OR SELF-SERVICE OPEN FOOD COUNTERS OR OTHER SIMILAR STATIONS LOCATED IMMEDIATELY ADJACENT TO, OR IN THE DINING AREAS, NEED FOOD PREPARATION AREA REQUIREMENTS.

### CONDUIT:

1. ALL PLUMBING. ELECTRICAL AND GAS LINES ARE REQUIRED TO BE CONCEALED WITHIN THE BUILDING STRUCTURE TO THE GREATEST EXTENT POSSIBLE ALL EXPOSED CONDUITS, PLUMBING, ETC. SHALL BE INSTALLED AT LEAST 6" OFF FLOOR AND 3/4 FROM WALLS USING STANDOFF BRACKETS. 2. WHERE CIRCUMSTANCES EXIST (PRIMARILY STRUCTURAL LIMITATIONS OR RESTRICTIONS OF THE BUILDING) SO THAT IT IS NOT POSSIBLE TO INSTALL CONDUIT BEHIND THE WALLS, THEN ALL CONDUIT RUNS ARE TO BE LOCATED AT LEAST 3/4 INCH AWAY FROM THE WALLS OR CEILINGS, AND MINIMUM OF SIX INCHES ABOVE THE FLOOR. CONDUIT IS TO BE INSTALLED SO THAT IS IS SECURED.

OPENING AROUND THE CONDUIT OR PLUMBING IS REQUIRED TO BE TIGHTLY SEALED TO PREVENT THE ENTRY OF RODENTS OR VERMIN. THE SEALANT MATERIAL NEEDS TO BE RODENT PROOF. 4. CONDUIT, PLUMBING OR PIPING CANNOT BE INSTALLED ACROSS ANY AISLE WAY,

3. WHERE CONDUIT OR PLUMBING LINES ENTER A WALL, CEILING OR FLOOR, THE

TRAFFIC AREA OR DOOR OPENING. 5. MULTIPLE RUNS OR CLUSTERS OR CONDUIT OR PIPELINES ARE REQUIRED TO BE FURRED OUT AND ENCASED IN AN APPROVED RUNWAY OR OTHER SEALED ENCLOSURE. 6. FLOOR DRAINS SHALL BE INSTALLED IN FLOORS THAT ARE WATER FLUSHED FOR CLEANING AND IN AREAS WHERE PRESSURE SPRAY METHODS FOR CLEANING EQUIPMENT ARE USED, IN RESTROOMS, JANITORIAL ROOMS, SCULLERIES, AND AT BARS WITH WAREWASHING FLOOR SURFACES IN AREAS PURSUANT TO THIS SHALL BE SLOPED 1:50 TO THE FLOOR DRAINS. SHATTESHIELDS WILL BE PROVIDED FOR ALL LIGHTS ABOVE FOOD PREPARATION,

1. THE ESTABLISHMENT MUST CONFORM TO THE APPROVED PLANS. ANY CHANGES SHOULD BE RE-

4. APPLICATION FOR A HEALTH PERMIT MUST HAVE BEEN MADE BEFORE FINAL APPROVAL TO OPEN

7. TYPE OF FOOD FACILITY: \_\_\_ 100% PRE-PACKAGED \_X\_ 100% SINGLE SERVICE \_\_\_ MULTI-USE

10. FIXED, SINGE SERVICE TOWEL OR HOT AIR BLOWERS AND SOAP DISPENSERS TO BE PROVIDED

12. JANITORIAL SINK FAUCETS TO BE APPROVED WITH AN APPROVED BACKFLOW PREVENTION DEVICE

13. COMMERCIAL WATER HEATER TO BE PROVIDED WHICH IS CAPABLE OF CONSTANTLY SUPPLYING HOT WATER AT A TEMPERATURE OF AT LEAST 120 DEGREES F TO ALL SINKS, HAND LAVATORIES AND

11. ALL LAVATORIES OR HAND SINKS TO HAVE A COMBINATION FAUCET OR PRE-MIXING FAUCET

CHECKED BY THE PLAN CHECKER AT THE COUNTY OF SAN DIEGO ENVIRONMENTAL HEALTH

2. THERE MUST BE PROOF THAT THE BUILDING DEPT. AND FIRE DEPT. HAVE APPROVED THE

3. UTILITIES (GAS, WATER, ELECTRICITY) MUST BE PROVIDED AT THE TIME OF INSPECTION

5. TOTAL SQUARE FOOTAGE OF THE ESTABLISHMENT IS 453 SQ. FT.

REQUIREMENTS (NSF) STANDARDS OR EQUIVALENT

ADJACENT TO ALL HAND SINKS

OTHER CLEANUP FACILITIES

6. THE ESTABLISHMENT IS CONNECTED TO A MUNICIPAL SEWAGE SYSTEM

CAPABLE OF SUPPLYING WARM WATER FOR A MINIMUM OF 10 SECONDS

8. ALCOHOLIC BEVERAGES WILL BE CONSUMED IN THE PREMISES: \_\_\_YES \_X\_NO

9. ALL EQUIPMENT AND INSTALLATION TO MEET THE NATIONAL SANITATION FOUNDATION

**HEALTH DEPARTMENT NOTES** 

WORK, AND STORAGE AREAS.

ESTABLISHMENT ON SITE

UTENSILS

### TRASH ENCLOSED

A CONCRETE SLAB IS PROVIDED FOR TRASH, GARBAGE, AND GREASE CONTAINER, IF WALLS ENCLOSE AREA, THE INTERIOR WALL SURFACES WILL BE SMOOTH, SEALED AND WASHABLE (EG, PLASTERED SMOOTH AND PAINTED, ETC.)

1. ALL REFRIGERATION UNITS ARE REQUIRED TO HAVE AN ACCURATE, READILY VISIBLE WORKING THERMOMETER. THE THERMOMETER SHOULD BE PLACED IN THE WARMEST PART OF THE COMPARTMENT, USUALLY NEAR THE DOOR. 2. SHELVING OF THE REFRIGERATOR UNIT NEEDS TO BE NONABSORBENT AND EASILY CLEANABLE. WOOD IS NOT AND ACCEPTABLE SHELVING MATERIAL. 3.THE INTERIOR OF THE REFRIGERATOR MUST HAVE SMOOTH, NONABSORBENT, AND EASILY CLEANABLE SURFACES. ALL JOINTS MUST BE SEALED. 4. CONDENSATE WASTE FROM REACH-IN REFRIGERATOR UNITS MUST BE DRAINED INTO THE PUBLIC SEWER VIA A FLOOR SINK WITH LEGAL AIR GAP. 5. RAPID COOL DOWN FACILITIES MAY BE REQUIRED DEPENDING UPON THE FOOD OPERATION.

### WALK IN REFRIGERATION UNITS:

1. THE FLOOR OF A WALK-IN REFRIGERATOR UNIT IS REQUIRED TO HAVE AN INTEGRAL COVE BASE WITH A RADIUS OF AT LEAST 3/8" AT THE FLOOR-WALL JUNCTURE. THE FLOOR MATERIAL IS REQUIRED TO EXTEND UP THE WALL AT LEAST FOUR INCHES AND BE OF ONE-PIECE CONSTRUCTION. FOUR INCH APPROVED METAL TOPSET COVING WITH A MINIMUM 3/8" RADIUS IS ACCEPTABLE ONLY AGAINST METAL WALL SURFACES OF

WOOD AND VINYL ARE NOT ACCEPTABLE FLOOR SURFACES FOR WALK-IN UNITS. 2. THE INTERIOR WALLS OF HE WALK IN UNIT ARE REQUIRED TO BE SMOOTH SURFACED, LIGHT COLORED, MOISTURE PROOF, DURABLE, AND ABLE TO WITHSTAND PROLONGED EXPOSURE TO LOW TEMPERATURES.

3. SHELVING OF A WALK-IN UNIT IS REQUIRED TO BE LISTED BY NSF OR HAVE AN EQUIVALENT CERTIFICATION. THE SHELVING MUST KEEP FOODS OFF THE FLOOR OF THE WALKING UNIT MINIMUM OF SIX INCHES. BE LEGS, OR BE CANTILEVERED FROM THE WALL SURFACE FOR EASE CLEANING. 4. CONDENSATE WASTE LINES ARE REQUIRED TO DRAIN TO A FLOOR SINK VIA LEGAL AIR GAP, LOCATED OUTSIDE OF THE WALK IN UNIT. FLOOR SINKS, FLOOR DRAINS, OR SEWER CLEANOUTS ARE NOT PERMITTED INSIDE A WALK-IN REFRIGERATOR UNIT. 5. THE CONDENSATE LINE MUST BE ROUTED TO THE NEAREST WALL AND THEN EXIT THE WALK-IN UNIT. THE CONDENSATE LINE CANNOT BE LOCATED CLOSER THAN 3/4 INCH TO THE WALL OR CEILING, AND NO CLOSER THAN SIX INCHES TO THE FLOOR. THE CONDENSATE LINE MUST BE CONSTRUCTED OR RIGID PIPING THAT IS SECURED TO THE ADJACENT WALL WITH THE CLEAREANCES AS INDICATED. 6. WALK-IN REFRIGERATOR UNITS ARE REQUIRED TO OPEN DIRECTLY INTO THE FOOD 7. COLD STORAGE ROOMS SHALL BE PROVIDED WITH A SECTION OF SHELVING INSTALLED

TO HOLD SHALLOW COOL DOWN PANS NOT TO EXCEED 4" IN HEIGHT SPACE BETWEEN

SHELVING TO BE AT LEAST 8" HIGH.

1. FLOOR SINKS ARE TO BE INSTALLED FLUSH WITH THE FLOOR SURFACE AND HAVE APPROPRIATE COVER GRATE(S) 2. FLOOR SINKS MUST BE INSTALLED SO THAT THEY ARE READILY ACCESSIBLE FOR INSPECTION, CLEANING, AND MAINTENANCE. APROTECTIVE ENCLOSURE WILL BE REQUIRED AROUND THE BACK SIDE OF HALF-EXPOSED FLOOR SINDS INSTALLED UNDER CURB OR BASE MOUNTED EQUIPMENT. 3. THE FLOOR SINK MUST BE LOCATED WITHIN FIFTEEN FEET OF THE DRAIN OPENING OF THE EQUIPMENT SERVED. HOWEVER, FLOOR SINKS FOR ICE MACHINES MUST BE LOCATED IMMEDIATELY ADJACENT TO THE ICE MACHINE. 4. WASTE LINE PLUMBING DRAINING TO THE FLOOR SINK MUST BE LOCATED AT LEAST 3/4 INCH FROM THE WALL AND SIX INCHES OFF THE FLOOR. THE PIPING IS TO TERMINATE

AT LEAST ONE INCH ABOVE THE OVERFLOW RIM OF THE FLOOR SINK, OR THE MINIMUM CLEARANCE OF DISCHARGE PIPE). 5.WASTE LINE PLUMBING TO A FLOOR SINK MAY NOT CROSS ANY AISLE WAY, TRAFFIC AREA. OR DOOR OPENING 7. ALL LIQUID WASTE SHALL BE DRAINED BY MEANS INDIRECT WASTE PIPES INTO A

FLOOR SINK, FLOOR SINKS ARE TO BE INSTALLED FLUSH WITH THE FINISHED FLOOR SURFACE AND HAVE SUITABLE EASILY REMOVABLE SAFETY COVER GRATES. 8. FLOOR SINK TO BE 50% EXPOSED WHEN NO ACCESS IS PROVIDED FOR CLEANING OR BE IN LINE WITH THE FRONT FACE OF ELEVATED FREEST ANDING EQUIPMENT.

### KITCHEN UTENSIL SINK:

1. A THREE COMPARTMETN STAINLESS STEEL SINK WITH DUAL, INTEGRALLY INSTALLED STAINLESS STELL DRAINBOARDS MEETING CURRENT NSF STANDARDS IS REQUIRED FOR FOOD ESTABLISMENTS WASHING MULTI-SERVICE KITCHEN UTENSILS (I.E. POTS, PANS, KNIVES, UTENSILS, ETC.).

2. THE MINIMUM COMPARTMETN SIZE IS REQUIRED TO BE AT LEAST 18" BY 18" BY 12" DEEP. TEH DRAINBOARDS ARE REQUIRED TO BE A MINIMUM OF 18" BY 18". 3. WHEN A SINK IS INSTALLED NEXT TO A WALL, A METAL "BACKSPLASH" EXTENDING UP THE ALL AT LEAST EIGHT INCHES WILL BE REQUIRED AS PART OF AND INTEGRAL TO THE SINK. THE BACKSPLASH NEEDS TO BE SEALED TO THE WALL TO CLOSE ANY GAPS BETWEEN THE SHEET METAL AND WALL SURFACE. 4. ALL FOOD-RELATED AND UTENSIL-RELATED EQUIPMENT SHALL MEET OR BE

EQUIVALENT TO SANITATION STANDARS ESTABLISHED BY AN AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) ACCREDITED PROGRAM. 5. ALL WAREWASHING SINKS TO HAVE 3 COMPARTMENTS THAT ARE MINIMUM SIZE OF AT LEAST 18"X18"X12" DEEP (OR 16"X20"X12") WITH A MINIMUM 18" DRAIN BOARD AT EACH END. IF AGAINST A WALL, IT MUST HAVE AN 8" INTEGRAL BACK SPLASH, HOWEVER, IT MUST BE CAPABLE OF ACCOMMODATING THE LARGEST UTENSIL TO BE WASHED. A WAREWASHING MACHINE DOES NOT SUBSTITUTE FOR THE SINK REQUIREMENT. 6. SINKS TO HAVE SPOUT(S) CAPABLE OF REACHING EACH COMPARTMENT. 7. THE 3 OR 4 COMPARTMENT BAR SINK TO BE AT LEAST 12"X12"X10" DEEP (OR 10"X14"X10" DEEP) WITH A MINIMUM 18" DRAINBOARD AT EACH END.

### FOOD PREPARATION SINKS:

1. FOOD ESTABLISHMENTS UTILIZING A SINK FOR FOOD PREPARATION, SUCH AS

THAWING, WASHING, ETC., ARE REQUIRED TO HAVE AT LEAST A ONE COMPARTMENT FOOD PREPARATION SINK, SEPARATE FROM UTENSIL WASHING SINKS. THE FOOD PREPARATION SINK SI REQUIRED TO DRAIN TO AN ADJANCENTLY LOCATED FLOOR SINK VIA LEGAL AIR

2. FOOD PREPARATION SINKS MUST MEET ALL NSF STANDARDS. 3. FOOD PREP SINK COMPARTMENT(S) TO BE AT LEAST 18"X18"X12" DEEP (OR 16"X20"X12" DEEP) WITH A MINIMUM 18" DRAINBOARD SEPARATE FOOD PREP SINKS TO BE PROVIDED FOR MEATS AND PRODUCE. 4. A SEPARATE WET WASTE DUMP FIXTURE SHALL BE PROVIDED FOR DISPOSAL OF

DRINK OR WASTE ICE OR COFFEE WASTE DRAINBOARD AT EACH END.

### **DISHWASHERS/GLASS WASHERS**

1. ALL AUTOMATIC DISHWASHERS, PAN WASHERS, AND GLASS WASHERS MUST BE LISTED BY THE NATIONAL SANITATION FOUNDATION INTERNATIONAL (NSF) IN THE LATEST ISSUE OF STANDARD #3. DEVICES NOT LISTED IN STANDARD #3 MAY NOT BE USED IN PUBLIC FOOD ESTABLISHMENTS 2. ALL SPRAY TYPE DISHWASHERS, PAN WASHERS AND GLASS WASHERS WHICH ARE DESIGNED FOR A HOT WATER BACTERICIDAL RINSE ARE REQUIRED TO BE PROVIDED WITH A BOOSTER HEATER THAT MEETS THE REQUIREMENTS OF STANDARD #5 OF THE NSF

INTERNATIONAL, OR BE CONNECTED TO AN APPROVED HOT WATER RECIRCULATING SYSTEM WHICH IS CAPABLE OF MAINTAINING THE RINSE WATER AT NOT LESS THAN 180EF. THESE TYPES OF DISHWASHERS WILL REQUIRE THE INSTALLATION OF AN APPROVED EXHAUST HOOD TO REMOVED STEAM, HEAT AND VAPORS GENERATED BY THE DISHWASHING MACHINE. 3. DISHWASHERS, PAN WASHERS, AND GLASS WASHERS ARE REQUIRED TO HAVE TOW INTEGRAL STAINLESS STEEL DRAINBOARDS AT LEAST 18 INCHES LONG. 4. THE DISHWASHER MUST ALSO BE PROVIDED WITH THERMOMETERS AND PRESSURE GAUGES TO INDICATE THE PROPER WATER FLOW PRESSURES AND TEMPERATURES.

5. ALL WASTE FROM DISHWASHERS, PAN WASHERS, AND GLASS WASHERS ARE REQUIRED TO DRAIN TO AN ADJACENT FLOOR SINK VIAL LEGAL AIR GAP. THE UNDER DRAIN PLUMBING FOR THE FLOOR SINK MUST HAVE A MINIMUM 3" TRAP. 6. UNDERCOUNTER-TYPE AUTOMATIC DISHWASHERS NEED TO BE PLACED ON CURBING IF THE MACHINE IS NOT MOUNTED ON CASTERS.

### JANITORIAL SINK AND SUPPLIES:

1. THE JANITORIAL SINK IS REQUIRED TO BE LOCATED IN A SEPARATE JANITORIAL ROOM OR SEPARATED FROM THE REST OF THE FOOD ESTABLISHMENT EQUIPMENT WITH 18" OF HORIZONTAL DISTANCE OR BY A SOLID PARTITION. THE PARTITION MUST BE WALL MOUNTED, FREE STANDING, DURABLE, SMOOTH, AND EASILY CLEANABLE. 2. ALL JANITORIAL SINKS ARE TO BE SUPPLIED WITH HOT AND COLD RUNNING WATER TO A MIXING TYPE FAUCET WITH 3/4" HOSE OUTLET. THE FAUCET FIXTURE IS TO HAVE AN APPROVED BACK-FLOW PREVENTION DEVICE ATTACHED. 3. FOR CLEANING FLOOR MATS, THE JANITORIAL SINK TO BE A MINIMUM 24" BY 36" FLOOR MOUNTED TYPE MOPS SHALL BE PLACED IN A POSITION THAT ALLOWS THEM TO AIR-DRY WITHOUT SOILING WALLS, EQUIPMENT, OR SUPPLIES. 4. THE JANITORIAL SINK FAUCET WILL HAVE A THREADED OUTER LIP FOR HOSE ATTACHMENT AND AN APPROVED BACKFLOW PREVENTION DEVICE NO CHEMICAL DISPENSING SYSTEM OR SHUTOFF VALVES TO BE ATTACHED TO MOP SINK FAUCET OUTLET (UNLESS A SIDEKICK PLUMBING DEVICE IS INSTALLED). 5. NO CONDENSATE WASTEWATER INCLUDING HVAC WILL DRAIN INTO THE JANITORIAL

### **HANDWASHING SINKS:**

HANDWASH SINK SHALL PROVIDE HOT AND COLD RUNNING WATER UNDER PRESSURE THROUGH A MIXING TYPE FAUCET IS REQUIRED. 2. SOAP AND SANITARY TOWELS ARE REQUIRED TO BE PROVIDED IN SINGLE-ERVICE, PERMANENTLY INSTALLED DISPENSERS AT EACH HANDSINK. 3. A SEPARATE HANDSINK MUST BE INSTALLED IN EACH SECTION OF A FOOD ESTABLISHMENT WHICH HANDLES UNPACKAGED FOOD (I.E., DELI, MEAT, BAKERY, BEVERAGE BARS, SUSHI BAR, BAR, ECT. 4. IF A HANDSINK IS LOCATED DIRECTLY ADJACENT TO A FOOD PREPARATION OR UTENSIL-WASHING SINK, THEN A BARRIER IS REQUIRED TO PREVENT SPLASH OVER FROM

THE HADNDSINK TO THE FOOD PREPARATION/UTENSIL SINK. THE BARRIER IS TO BE THE

LENGTH OF THE SINK AND AT LEAST TWELVE INCHES HEIGHT & WATERPROOF.

1. HANDSINKS ARE REQUIRED TO BE PLACED IN EACH FOOD PREPARATION AREA. EACH

### DRY FOOD AND BEVERAGE STORAGE:

1. AT LEAST NINETY-SIX FEET OF APPROVED SHELVING UNITS ARE REQUIRED FOR BACK-UP

2. SHELVING NEEDS TO BE DESIGNED AND CONSTRUCTED SO AS TO BE EASILY CLEANABLE. SHELVING LOCATED OVER SINKS AND OTHER WET AREAS MUST BE CONSTRUCTED OF METAL

3. SHELVES INSTALLED ON A WALL ARE TO HAVE A MINIMUM ONE INCH GAP OR OPEN SPACE BETWEEN THE BACK EDGE OF THE SHELF AND THE WALL SURFACE. 4. THE LOWEST SHELF MUST BE CONSTRUCTED AT LEAST SIX INCHES ABOVE THE FLOOR SURFACE WITH THE SPACE UNDER THE SHELF CLEAR AND UNOBSTRUCTED FOR CLEANING ACCESS UNDERNEATH. IF THE SPACE BELOW IS NOT TO BE ACCESSIBLE. THEN THE OPENING IS TO BE SEALED OFF. WITH THE FLOOR SURFACE COVING UP THE SEAL FACE CONTINUOUSLY A MINIMUM OF FOUR INCHES WITH A 3/8 INCH RADIUS. 5. THE SHELVING IS MOUNTED ON LEGS ARE TO BE AT LEAST SIX INCHES IN HEIGHT AND CONSTRUCTED OF METAL MEETING THE REQUIREMENTS OF THE NSF FOR METAL LEGS. 6. BACKUP DRY STORAGE SHELVING SHALL BE A MINIMUM 96 LINEAR FEET (MEASURED WITH TIERS) OR 25% OF KITCHEN, FOOD PREP, AND WORK AREAS, WHICHEVER IS GREATER, SHELVING SHALL BE AT LEAST 18 INCHES DEEP AND START A MINIMUM SIX INCHES OFF THE FLOOR SURFACE.

### **RESTROOMS:**

1. TOILET FACILITIES ARE REQUIRED WITHIN EACH FOOD FACILITY AND MUST BE ACCESSIBLE FOR THE EMPLOYEES. EXISTING TOILET FACILITIES MUST BE MINIMUM OF TWENTY SQUARE FEET IN FLOOR SURFACE AREA. NEWLY CONSTRUCTED TOILET ROOMS WILL BE LARGER IN ORDER TO COMPLY WITH HANDICAP REQUIREMENTS UNDER AMERICANS WITH DISABILITIES ACT (ADA).

2. TOILET ROOM DOORS SHALL BE SELF-CLOSING AND TIGHT FITTING WITH A 1" AIR GAP. 3. ALL TOILET ROOMS SHALL BE PROVIDED WITH VENTILATION MEETING THE REQUIREMENTS OF THE UNIFORM MECHANICAL CODE AND/OR UNIFORM BUILDING CODE.

### MISCELLANEOUS ITEMS:

WATER SUPPLY TO CARBONATORS SHALL BE PROTECTED BY AN APPROVED PRESSURE PRINCIPLE BACK FLOW PREVENTOR. THE RELIEF VALVE SHALL DRAIN INDIRECTLY TO SEWER WITH A LEGAL AIR GAP. 2. WATER TYPE STEAM TABLES, STEAM KETTLES, WOKS, AND OTHER WATER EQUIPMENT MUST HAVE A FILL FAUCET FOR REPLENISHING/ADDING WATER TO THE

DEVICE. THESE DEVICES ALSO NEED TO BE PROPERLY DRAINED TO A FLOOR SINK A LEGAL AIR GAP SEPARATION. 3. IF SOFT DRINK, ICE, OR OTHER DISPENSERS ARE SELF-SERVICE BY THE CUSTOMER, THEN THEY MUST BE OF THE PUSH-BUTTON TYPE OR OTHER APPROVED

DISPENSER WHERE THE CUP IS NOT USED IN THE ACTUATION OF THE DISPENSERS

### **CLOTHING CHANGE ROOMS/AREA:**

SHOULD BE PROVIDED AT THE SELF-SERVICE AREAS.

A SEPARATE CHANGE ROOM FOR EACH SEX, OF AT LEAST TWENTY SQUARE FEET IN FLOOR SURFACE AREA, SEPARATE FROM TOILETS, FOOD STORAGE OR FOOD PREPARATIOON AREAS IS REQUIRED WHERE THERE ARE TEN OR MORE EMPLOYEES

SHIFT. ADDITIONALLY, SEPARATE CHANGE ROOMS ARE REQUIRED WHEN EMPLOYEES CHANGE FROM STREET CLOTHES INTO A UNIFORM OR WORK CLOTHING PROVIDED BY THE ESTABLISMENT, AND STORE THEIR OUTER GARMENTS ON THE PREMISES. EXTERIOR, ENTRY, EXIT, AND CARGO DOORS: ALL EXTERIOR DOORS OF A FACILITY ARE TO OPEN OUTWARD AND ARE TO BE

SELF-CLOSING.

1. A MINIMUM OF TWENTY (20) FOOT CANDLES OF LIGHT, AS MEASURED THIRTY INCHES ABOVE THE FLOOR IS NECESSARY IN FOOD PREPARATION AREAS DISHWASHING AREAS AND THE GLASS WASHING AREAS OF BARS (EXCEPT WHERE ALCOHOLIC BEVERAGES ARE SERVED).

2. A MINIMUM OF (10) FOOT-CANDLES OF LIGHT IS NECESSARY IF FOOD AND STORAGE ROOMS, BAR WASHING, REFRIGERATION STORAGE SPACES, TOILET ROOMS AND DRESSING ROOMS

3. SHATTER SHIELDS WILL BE PROVIDED FOR ALL LIGHTS ABOVE FOOD PREPARATION, WORK. AND STORAGE AREAS.

4. A MINIMUM OFF 10 FOOT CANDLES OF LIGHT MEASURED 30" OFF FLOOR IS PROVIDED IN WALK, IN REFRIGERATED STORAGE AND DRY STORAGE ROOMS AND AT LEAST 20 FOOT CANDLES IS PROVIDED WHERE FOOD IS PROVIDED CONSUMER SELF SERVICE, WHERE FRESH PRODUCE OR PREPACK AGED FOODS ARE SOLD OR OFFERED FOR CONSUMPTION, INSIDE EQUIPMENT SUCH AS REACH IN AND UNDER COUNTER REFRIGERATORS, IN AREAS USED FOR HAND WASHING, EQUIPMENT AND UTENSIL STORAGE, AND IT TOILET ROOMS. 5. A MINIMUM OF 50 FOOT CANDLES OF LIGHT MEASURED 30" OFF FLOOR IS

PROVIDED WHEN WORKING WITH FOOD OR WORKING WITH UTENSILS OR EQUIPMENT SUCH AS KNIVES, SUCERS, GRINDERS, OR SAWS WHERE EMPLOYEE SAFETY IS A FACTOR AND ALL AREAS DURING PERIODS OF CLEANING.

6. SHATTER SHIELDS FOR ALL LIGHTS ABOVE FOOD PREPARATION, WORK, AND STORAGE AREAS WILL BE PROVIDED.

1. A MINIMUM OF TWELVE (12) AIR CHANGES PER HOUR IS NEEDED IN ALL TOILET ROOMS, JANITOR CLOSETS WITH MOP SINKS, ANTEROOMS LEADING TO TOILET AND DRESSING ROOMS. THE RATING OF EXHAUST FAN, EXPRESSED IN CUBIC FEET

THIS VENTILATION. THE LIGHT SWITCH FOR THE ROOM SHOULD ACITVATED FANS IN THESE AREAS. MECHANICAL EXHAUST FANS ARE TO EXHAOUST ONLY TO

OUTSIDE AIR. DEAD SPACE EXHAUSTING IS NOT PERMITTED. 2. AN ACCEPTABLE ALTERNATIVE METHOD OF VENTILATION FOR TOILETS, TOILET ANTEROOMS, AND DRESSING ROOMS MAY BE A SCREENED WINDOW OPENING OF AT LEAST THREE (3) SQUARE FEET IN AREA, ONE-HALF OF WHICH IS OPEN AREA. 3. DUCTLESS FANS ARE NOT APPROVED FOR VENTILATION USE. 4. ANY OPENABLE WINDOWS VENT OPENINGS OR OTHER SIMILAR OPENINGS MUST

PROVIDED WITH TIGHT FITTING SCREENS OF MINIMUM 16 MESH TO THE INCH. 5. ALL EXTERIOR DOORS OPEN OUTWARD AND APE SELF-CLOSING AND TIGHT 6. DELIVERY DOORS TO HAVE AIR CURTAIN FANS THAT SPAN THE WIDTH OVER THE DOOR, THE FAN MUST ACTIVATE VIA A MICROSWITCH PROVIDING A MINIMUM **VFLOCITY** 

OF 1600 FPM MEASURED 3 FEET ABOVE THE GROUND. 7. ADEQUATE VENTILATION IS TO BE PROVIDED TO ALL TOILETS ROOMS, JANITOR CLOSETS WITH MOP SINS, AND INDOOR TRASH ROOMS AND IN DRESSING/CHANGE

### **EQUIPMENT:**

METAL.

1. ALL NEW AND REPLACEMENT EQUIPMENT SHALL MEET OR BE EQUIVALENT TO APPLICABLE NSF INTERNATIONAL STANDARDS. 2. ALL EQUIPMENT SHALL BE PLACED ON MINIMUM SIX INCH HIGH, NSF INTERNATIONAL TYPE METAL LEGS, OR COMPLETELY SEALED IN POSITION ON A FOUR INCH HIGH CONTINUOUSLY COVED BASE OR CONCRETE CURB, OR ON APPROVED CASTERS, OR CANTILEVERED FROM THE WALL IN AN APPROVED MANNER.

3. SHELVING OVER WET AREAS (SINK, MOP, ETC) AND FOOD PREP SURFACES WILL

### **BACKFLOW PREVENTION:**

1. ANY TYPE OF DRAIN DISPENSING INTO A FLOOR SINK REQUIRES A LEGAL AIR GAP SEPARATION OF NO LESS THAN ONE INCH MEASURED VERTICALLY FROM THE END THE DISCHARGE PIPE TO THE OVERFLOW RIM OF THE FLOOR SINK AND/OR AN AIR SEPARATION WHICH IS TWICE THE DIAMETER OF THE DISCHARGE PIPE, WHICHEVER

2. SUBMERGED INLETS REQUIRED BACKFLOW PREVENTION DEVICES INSTALLED CONSISTENT WITH THE REQUIREMENTS OF THE LOCAL PLUMBING INSPECTOR. 3. APPROVED BACK FLOW PREVENTION DEVICES SHALL BE PROPERLY INSTALLED UPSTREAM ANY POTENTIAL HAZARD BETWEEN THE POTABLE WATER SUPPLY AND A

BIBB UNLESS AN APPROVED BACKFLOW PREVENTERS IS PROVIDED. 4. WATER SUPPLY TO CARBONATORS SHALL BE PROTECTED BY AN APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTED, THE RELIEF VALVE SHALL DRAIN INDIRECTLY TO SEWER WITH A LEGAL AIR GAP.M

SOURCE OF CONTAMINATION, HOSES SHALL NOT BE ATTACHED TO A FAUCET OR

### GREASE TRAPS/INTERCEPTORS-SEWAGE DISPOSAL:

1.GREASE TRAPS (LARGE VOLUME TANK) ARE TO BE INSTALLED OUTSIDE OF THE FOOD ESTABLISHMENT. THESE LARGE VOLUME TANKS ARE INSTALLED IN THE GROUND. 2.GREASE TRAPS (SMALL VOLUME TANK) SHALL BE INSTALLED OUTSIDE OF A FOOD ESTABLISHMENT (WHEREVER POSSIBLE) IN ACCORDANCE TO WITH PLUMBING 3.GREASE TRAP TO BE LOCATED OUTSIDE THE FOOD SERVICE ACTIVITY AREA, FLUSH

### **ENVIRONMENTAL HEALTH NOTES**

THE FOLLOWING ENVIRONMENTAL HEALTH NOTES ARE TO BE PLACED ON YOUR PLANS TO ASSIST IN PROVIDING CLEAR DIRECTION BETWEEN THOSE INVOLVED IN THE ACTUAL CONSTRUCTION OF A FOOD FACILITY INCLUDING CONTRACTORS AND ENVIRONMENTAL HEALTH SPECIALISTS. THESE NOTES WILL ENCOMPASS MOST FOOD FACILITIES BUT ARE NOT MEANT TO BE COMPREHENSIVE FOR ALL FOOD FACILITIES OR SITUATIONS: 1.A CONCRETE SLAB IS PROVIDED FOR TRASH, GARBAGE, AND GREASE CONTAINER. IF WALLS ENCLOSE AREA, THE INTERIOR WALL SURFACES WILL BE SMOOTH, SEALED AND WASHABLE (E.G., PLASTERED SMOOTH AND PAINTED, ETC.). 2. ALL FOOD-RELATED AND UTENSIL-RELATED EQUIPMENT SHALL MEET OR BE

WITH THE FINISHED FLOOR WHEN INDOORS LOCAL WASTE WATER DISTRICT OR

BUILDING DEPARTMENT TO BE CONTACTED FOR GREASE REMOVAL REQUIREMENTS

EQUIVALENT TO SANITATION STANDARDS ESTABLISHED BY AN AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) ACCREDITED PROGRAM. 3. ALL FLOOR MOUNTED EQUIPMENT WILL BE INSTALLED ON MINIMUM 6" SANITARY LEGS, CASTORS, OR COMPLETELY SEALED IN POSITION ON A 4 " HIGH CURB WITH CONTINUOUSLY COVED BASE. COUNTERTOP EQUIPMENT WILL BE ON 4-INCH SANITARY LEGS OR SEALED TO THE COUNTER UNLESS READILY MOVABLE. 4. IF SOFT DRINK, ICE OR OTHER DISPENSERS ARE SELF-SERVICE, OR IF REFILLS ARE PROVIDED THEY MUST BE PUSH BUTTON TYPES, OR LEVER TYPES WHERE THE LEVER CONTACTS THE CONTAINER AT LEAST ONE INCH BELOW THE RIM. 5. ANY OPENABLE WINDOWS VENT OPENINGS OR OTHER SIMILAR OPENINGS MUST BE PROVIDED WITH TIGHT FITTING SCREENS OF MINIMUM 16-MESH TO THE INCH. WINDOWS TO BE FIXED AT FOOD PREP, UTENSIL-WASHING, OPEN FOOD AND UTENSIL STORAGE AREAS.

6. ALL EXTERIOR DOORS OPEN OUTWARD AND ARE SELF-CLOSING AND TIGHT FITTING. 7. BI-FOLD, FRENCH, ACCORDION STYLE AND ROLL-UP DOORS CANNOT OPEN INTO THE FOOD PREP, UTENSIL WASHING OR UNPACKAGED FOOD SERVICE AREAS. 8. TOILET ROOM AND DRESSING ROOM DOORS MUST BE SELF-CLOSING, TIGHT FITTING. 9. DELIVERY DOORS TO HAVE AIR CURTAIN FANS THAT SPAN THE WIDTH OVER THE DOOR. THE FAN MUST ACTIVATE VIA A MICROSWITCH PROVIDING A MINIMUM VELOCITY OF 1600 FPM MEASURED 3 FEET ABOVE THE GROUND. 10. A MINIMUM OF 10 FOOT-CANDLES OF LIGHT MEASURED 30" OFF FLOOR IS PROVIDED IN WALK-IN REFRIGERATED STORAGE AND DRY STORAGE ROOMS AND AT LEAST 20-FOOT CANDLES IS PROVIDED WHERE FOOD IS PROVIDED FOR CONSUMER

SELF-SERVICE. WHERE FRESH PRODUCE OR PREPACKAGED FOODS ARE SOLD OR OFFERED FOR CONSUMPTION; INSIDE EQUIPMENT SUCH AS REACH-IN AND UNDER-COUNTER REFRIGERATORS; IN AREAS USED FOR HANDWASHING, WAREWASHING, EQUIPMENT AND UTENSIL STORAGE, AND IN TOILET ROOMS 11. A MINIMUM OF 50 FOOT-CANDLES OF LIGHT MEASURED 30" OFF FLOOR IS PROVIDED WHEN WORKING WITH FOOD OR WORKING WITH UTENSILS OR EQUIPMENT SUCH AS KNIVES, SLICERS, GRINDERS, OR SAWS WHERE EMPLOYEE SAFETY IS A FACTOR AND IN ALL AREAS DURING PERIODS OF CLEANING. 12. SHATTERSHIELDS FOR ALL LIGHTS ABOVE FOOD PREPARATION, WORK, AND STORAGE AREAS WILL BE PROVIDED.

13. ALL WAREWASHING SINKS TO HAVE 3 COMPARTMENTS THAT ARE A MINIMUM SIZE OF AT LEAST 18"X18"X12" DEEP (OR 16"X20"X12" DEEP) WITH A MINIMUM 18" DRAINBOARD AT EACH END. IF AGAINST A WALL, IT MUST HAVE AN 8" INTEGRAL BACKSPLASH. HOWEVER, IT MUST BE CAPABLE OF ACCOMMODATING THE LARGEST UTENSIL TO BE WASHED. A WAREWASHING MACHINE DOES NOT SUBSTITUTE FOR THE SINK REQUIREMENT. 14. SINKS TO HAVE SPOUT(S) CAPABLE OF REACHING EACH COMPARTMENT.

15. FOOD PREP SINK COMPARTMENT(S) TO BE AT LEAST 18"X18"X12" DEEP (OR 16"X20"X12" DEEP) WITH A MINIMUM 18" DRAINBOARD. SEPARATE FOOD PREP SINKS TO BE PROVIDED FOR MEATS AND PRODUCE. 16. THE 3 OR 4 COMPARTMENT BAR SINK TO BE AT LEAST 12"X12"X10" DEEP (OR 10"X14"X10" DEEP) WITH A MINIMUM 18" DRAINBOARD AT EACH END. 17. A SEPARATE WET WASTE DUMP FIXTURE SHALL BE PROVIDED FOR DISPOSAL OF DRINK OR WASTE ICE OR COFFEE WASTE.

18. EACH HANDWASHING SINK MUST HAVE PERMANENTLY MOUNTED SINGLE-SERVICE

SOAP AND PAPER TOWEL DISPENSERS. 19. THE HOT WATER HEATER WILL BE A COMMERCIAL TYPE CAPABLE OF CONSTANTLY SUPPLYING HOT WATER AT A TEMPERATURE OF 120°F TO ALL SINKS. IN SIZING THE WATER HEATER, THE PEAK HOURLY DEMAND FOR ALL SINKS, ETC., ARE ADDED TOGETHER TO DETERMINE THE MINIMUM REQUIRED RECOVERY RATE. 20. ALL LAVATORIES OR HAND SINKS WILL HAVE A COMBINATION FAUCET OR PREMIXING FAUCET CAPABLE OF SUPPLYING WATER TEMPERED TO 100°F. SELF-CLOSING OR METERED FAUCET TO PROVIDE AT LEAST 15 SECONDS OF WATER WITHOUT REACTIVATION.

21. ALL PLUMBING, ELECTRICAL AND GAS LINES SHALL BE CONCEALED WITHIN THE BUILDING STRUCTURE TO AS GREAT AN EXTENT AS POSSIBLE. ALL EXPOSED. CONDUITS. PLUMBING. ETC. SHALL BE INSTALLED AT LEAST 6" OFF FLOOR AND 3/4" FROM WALLS USING STANDOFF BRACKETS. 22. CONDUITS, PLUMBING OR PIPING CANNOT BE INSTALLED ACROSS ANY AISLE WAY, TRAFFIC AREA OR DOOR OPENING.

23. MULTIPLE RUNS OR CLUSTERS OF CONDUIT OR PIPELINES SHALL BE FURRED IN OR ENCASED IN AN APPROVED SEALED ENCLOSURE. 24. ALL LIQUID WASTE SHALL BE DRAINED BY MEANS OF INDIRECT WASTE PIPES INTO A FLOOR SINK. FLOOR SINKS ARE TO BE INSTALLED FLUSH WITH THE FINISHED FLOOR SURFACE AND HAVE SUITABLE EASILY REMOVABLE SAFETY COVER

25. FLOOR SINK TO BE 50% EXPOSED WHEN NO ACCESS IS PROVIDED FOR CLEANING OR BE IN LINE WITH THE FRONT FACE OF ELEVATED FREESTANDING **FQUIPMENT** 26.APPROVED BACKFLOW PREVENTION DEVICES SHALL BE PROPERLY INSTALLED

UPSTREAM OF ANY POTENTIAL HAZARD BETWEEN THE POTABLE WATER SUPPLY AND A SOURCE OF CONTAMINATION. HOSES SHALL NOT BE ATTACHED TO A FAUCET OR HOSE BIBB UNLESS AN APPROVED BACKFLOW PREVENTER IS PROVIDED. 27. WATER SUPPLY TO CARBONATORS SHALL BE PROTECTED BY AN APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER. THE RELIEF VALVE SHALL DRAIN INDIRECTLY TO SEWER WITH A LEGAL AIR GAP. 28. FOR CLEANING FLOOR MATS, THE JANITORIAL SINK TO BE A MINIMUM 24" BY 36" FLOOR-MOUNTED TYPE. MOPS SHALL BE PLACED IN A POSITION THAT ALLOWS THEM

TO AIR-DRY WITHOUT SOILING WALLS, EQUIPMENT, OR SUPPLIES. 29. THE JANITORIAL SINK FAUCET WILL HAVE A THREADED OUTER LIP FOR HOSE ATTACHMENT AND AN APPROVED BACKFLOW PREVENTION DEVICE. NO CHEMICAL DISPENSING SYSTEMS OR SHUTOFF VALVES TO BE ATTACHED TO MOP SINK FAUCET OUTLET (UNLESS A "SIDEKICK" PLUMBING DEVICE IS INSTALLED). 30. NO CONDENSATE OR WASTEWATER INCLUDING HVAC WILL DRAIN INTO THE JANITORIAL SINK.

31. GREASE TRAP TO BE LOCATED OUTSIDE THE FOOD SERVICE ACTIVITY AREA, FLUSH

BUILDING DEPARTMENT TO BE CONTACTED FOR GREASE REMOVAL REQUIREMENTS. 32. FLOOR DRAINS SHALL BE INSTALLED IN FLOORS THAT ARE WATER-FLUSHED FOR CLEANING AND IN AREAS WHERE PRESSURE SPRAY METHODS FOR CLEANING EQUIPMENT ARE USED, IN RESTROOMS, JANITORIAL ROOMS, SCULLERIES, AND AT BARS WITH WAREWASHING. FLOOR SURFACES IN AREAS PURSUANT TO THIS SHALL BE SLOPED 1:50 TO THE FLOOR DRAINS.

WITH THE FINISHED FLOOR WHEN INDOORS. LOCAL WASTEWATER DISTRICT OR

33. ADEQUATE VENTILATION IS TO BE PROVIDED TO ALL TOILET ROOMS, JANITOR CLOSETS WITH MOP SINKS, AND INDOOR TRASH ROOMS AND IN DRESSING/CHANGE 34. THÈ FLOOR FINISH WILL HAVE A SMOOTH SURFACE UNDER ALL EQUIPMENT AND WALKWAYS WILL HAVE A LIGHT TEXTURE ONLY.

WORK, AND STORAGE AREAS WILL BE A GLOSS OR SEMI-GLOSS ENAMEL. FINISH MATERIAL SHALL BE A LIGHT COLOR IN FOOD PREP AREAS FOR EASY CLEANING. 36. PRIOR TO INSTALLATION, SAMPLES OF FINISHES TO BE SUBMITTED TO ENVIRONMENTAL HEALTH FOR APPROVAL AS NEEDED. 37. COLD STORAGE ROOMS SHALL BE PROVIDED WITH A SECTION OF SHELVING INSTALLED TO HOLD SHALLOW COOL DOWN PANS -NOT TO EXCEED 4" IN HEIGHT. SPACE BETWEEN SHELVING TO BE AT LEAST 8" HIGH. 38. BACKUP DRY STORAGE SHELVING SHALL BE A MINIMUM OF 96 LINEAR FEET (MEASURED WITH TIERS) OR 25% OF KITCHEN, FOOD PREP, AND WORK AREAS, WHICHEVER IS GREATER. SHELVING SHALL BE AT LEAST 18 INCHES DEEP AND START A MINIMUM SIX INCHES OFF THE FLOOR SURFACE. 39. SHELVING OVER WET AREAS (SINKS, MOP SINKS ETC.) AND FOOD PREP SURFACES WILL BE METAL.

40. ALL SEAMS, GAPS, OPENINGS TO BE PROPERLY SEALED.

35. THE PAINT USED ON WALLS AND CEILINGS OF ALL KITCHEN, FOOD PREPARATION.

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### **GENERAL NOTES**

WALL AND CEILING MATERIALS SHALL BE CLASSIFIED IN ACCORDANCE WITH ASTM E 84 OR UL 723.

ALL FOOD-RELATED AND UTENSIL-RELATED EQUIPMENT SHALL MEET OR BE EQUIVALENT TO SANITATION STANDARDS ESTABLISHED BY AN AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) ACCREDITED PROGRAM.

EXISTING GREASE TRAP WILL BE CLEANED ONCE A MONTH BY A SPECIALIZED COMPANY

EXISTING COMMUNAL RESTROOMS SERVES EMPLOYEES AND CONSUMERS.

NOTE: EXIT SIGNS SHALL BE INTERNALLY OR EXTERNALLY ILLUMINATED AT ALL TIMES AND SHALL BE CONNECTED TO AN EMERGENCY POWER SYSTEM (BATTERIES, UNIT EQUIPMENT OR AN ON-SITE GENERATOR) THAT WILL AUTOMATICALLY ILLUMINATE THE EXIT SIGNS FOR A DURATION OF NOT LESS THAN 90 MINUTES.

DOOR WILL MAINTAIN 'UNLOCK' POSITION DURING BUSINESS HOURS

ACCESS ONLY FOR EMPLOYEES

ONE INCH AIR GAP TO FLOOR SINK FROM INDIRECT DISCHARGE OF 3 COMP SINK, PREP SINK AND WATER HEATER

FRONT COUNTER (CASHIER AND DELIVERY AREA) COMPLIES WITH ADA STANDARDS

PARTITION WALL 2X6" HIGH MIN. ANCHORED TO WALL AND CEILING COVERED WITH FRP PANEL.

### **GENERAL CONSTRUCTION NOTES**

- ALL CONSTRUCTION AND MATERIALS SHALL BE AS SPECIFIED AND IN ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, LAWS PERMITS AND THE CONTRACT DOCUMENTS.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURATE PLACEMENT OF ALL NEW CONSTRUCTION ON THE SITE.
- 3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK. SHOULD A DESCREPANCY APPEAR IN THE CONTRACT DOCUMENTS, OR BETWEEN THE CONTRACT DOCUMENTS AND EXISTING CONDITIONS, NOTIFY THE ARCHITECT AT ONCE FOR INSTRUCTIONHOW TO PROCEED.
- 4. SHOULD A CONFLICT OCCUR IN OR BETWEEN DRAWINGS AND SPECIFICATIONS, THE SPECIFICATIONS SHALL TAKE PRECEDENCE, UNLESS A WRITTEN DECISION FROM ARCHITECT H/BEEN OBTAINED WHICH DESCRIBES A CLARIFICATION OR ALTERNATE METHOD AND/OR MATERIALS.
- 5. THE CONTRACTOR SHALL CONFINE HIS OPERATIONS ON THE SITE TO AREAS PERMITTED BY TIOWNER.
- 6. THE JOB SITE SHALL BE MAINTAINED IN A CLEAN, ORDERLY CONDITION FREE OF DEBRIS AND LITTER, AND SHALL NOT BE UNREASONABLY ENCUMBERED WITH ANY MATERIALS OR EQUIPMENT. EACH SUBCONTRACTOR IMMEDIATELY UPON COMPLETION OF EACH PHASE OF HIS WORK SHALL REMOVE ALL TRASH AND DEBRIS AS A RESULT OF THEIR OPERATION.
- 7. ALL MATERIAL STORED ON THE SITE SHALL BE PROPERLY STACKED AND PROTECTED TO PREVENT DAMAGE AND DETERIORATION. FAILURE TO PROTECT MATERIALS MAY BE FOR REJECTION OF WORK.
- THE CONTRACTOR SHALL DO ALL CUTTING, FITTING, OR PATCHING OF HIS WORK THAT MAY BE REQUIRED TO MAKE ITS SEVERAL PARTS FIT TOGETHER PROPERLY AND SHALL NOT ENDANGER ANY OTHER WORK BY CUTTING OR OTHERWISE ALTERING THE TOTAL WORK OR AN PART OF IT. ALL PATCHING, REPAIRING, AND REPLACING OF MATERIALS AND SURFACES, CUT OR DAMAGED IN EXECUTION OF WORK, SHALL BE DONE WITH APPLICABLE MATERIALS SO THAT SURFACES REPLACED WILL, UPON COMPLETION, MATCH SURROUNDING SIMILIAR SURFACES.
- 9. NO PORTION OF THE WORK REQUIRING A SHOIP DRAWING OR SMAPLE SUBMISSION SHALL BE C OMMENCED UNTIL THE SUBMISSION HAS BEEN REVIEWED BY THE ARCHITECT. ALL SUCH PORTIONS OF THE WORK SHALL BE IN ACCORDANCE WITH CORRECTED SHOP DRAWINGS AND SAMPLES.
- 10. ALL DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE.
- 11. NOTICE TO THE CONTRACTOR / BUILDER / INSTALLER / SUB-CONTRACTOR: BY USING THESE PERMITTED CONSTRUCTION DRAWINGS FOR CONSTRUCTION INSTALLATION OF THE WORK SPECIFIED HEREIN, YOU ACKNOWLEDGE AND ARE AWARE OF, THE REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS, YOU AGREE TO COMPLY WITH THE REQUIREMENTS OF THE CITY OF SAN DIEGO FOR SPECIAL INSPECTIONS, STURCTURAL OBSERVATIONS, CONSTRUCTION MATERIAL TESTING AND OFF=SITE FABRICATION OF BUILDING COMPONENTS, CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS AND, AS REQUIRED BY THE CALIFORNIA CONSTRUCTION CODES.
- 12. NO HAZARDOUS MATERIALS WILL BE STORED AND/OR USED WITHIN THE BUILDING WHICH EXCEED THE QUANTITIES LISTED IN IBC TABLES 307.1(1) AND 307.1(2).
- 13. ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODES OF REGULATIONS (CCR).
- 14. TITLE 24 PARTS 1-5 SHALL BE KEPT ON SITE DURING CONSTRUCTION.
- 15. PROVIDE BUILDING ADDRESS NUMBERS VISIBLE AND LEGIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY PER FHPS POLICY P-00-6(UFC901.4)

### FIELD CONSTRUCTION NOTES

- 1. ROUGH PLUMBING INSPECTIONS TO BE CALLED OUT FOR PRIOR TO POURING CONCRETE. CALL FOR INSPECTION TO BE MADE 3.5 WORKING DAYS PRIOR TO REQUESTED DATE.
- 2. PRELIMINARY CONSTRUCTION INPSECTION TO BE CALLED FOR WHEN CONSTRUCTION IS APPROXIMATELY 75% TO 80% COMPLETED, WITH PLUMBING, ROUGH VENITLATION, AND ROUGH EQUIPMENT INSTALLED. CALL FOR INSPECTION TO BE MADE 3-5 WORKING DAYS IN ADVANCE. PRELIMINARY INSPECTION TO BE SCHEDULED FOR NO LESS THAN 2 WEEKS PRIOR TO THE PROPOSED HAPPENINGS OF THE FOOD ESTABLISHMENT.
- 3. CALL FOR FINAL INSPECTION UPON COMPLETION OF ALL CONSTRUCTION INCLUDING ALL FINISH WORK. FINAL INSPECTION TO BE PASSED BEFORE ISSUANCE OF A HEALTH PERMIT. CALL FOR INSPECTION TO BE MADE NO LESS THAN 3.5 WORKING DAYS PRIOR TO THE PROPOSED OPENING OF THE FOOD ESTABLISHMENT. FINAL CONSTRUCTION MUST BE APPROVED PRIOR TO OPENING FOR BUSINESS OR USE OR REMODELED AREAS.

### FIRE DEPARTMENT NOTES:

NEW AND EXISTING BUILDINGS SHALL HAVE APPROVED ADDRESS NUMBERS, BUILDING NUMBERS OR APPROVED BUILDING IDENTIFICATION PLACED IN A POSITION THAT IS PLAINLY LEGIBLE AND VISIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY. THESE NUMBERS SHALL CONSTRAST IN COLOR TO BACKGROUND. NUMBERS SHALL BE A MINIMUM OF 4" HIGH WITH MINIMUM STROKE WIDTH OF 1/2 INCH. CFC SECTION 505.1.

WHERE ACCESS TO OR WITHIN A STRUCTURE OR AN AREA IS RESTRICTED BECAUSE OF SECURED OPENINGS OR WHERE IMMEDIATE ACCESS IS NECESSARY FOR LIFE-SAVING OR FIRE-FIGHTING PURPOSES, THE FIRE CODE OFFICIAL IS AUTHORIZED TO REQUIRE A KEY BOX TO BE INSTALLED IN AN APPROVED LOCATION. THE KEY BOX SHALL BE OF AN APPROVED TYPE AND SHALL CONTAIN KEY(S) TO GAIN NECESSARY ACCESS AS REQUIRED BY THE FIRE CODE OFFICIAL. CFC SECTION 503.6

WHEN SPRINKLERS ARE REQUIRED SUBMIT FIRE SPRINKLER TENANT IMPROVEMENT PLANS TO FIRE DEPARTMENT FOR APPROVAL PRIOR TO INSTALLATION. CFC SECTION 901.4

PORTABLE FIRE EXTINGUISHER(S) SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH CFC 906, TABLE 906.3(1) AND CHAPTER 3, TITLE 19 CCR

THIS PROJECT WILL BE IN COMPLIANCE WITH THE CURRENT EDITIONS OF NFPA, CFC, TITLE 19 AND LOCAL CITY OF NATIONAL CITY MUNICIPAL CODES.

REQUESTS FOR INSPECTIONS SHALL BE MADE 48 HOURS IN ADVANCE. INSPECTIONS SHALL BE MADE ONCE WORK IS COMPLETE, UTILIZING APPROVED AND STAMED PLANS. CONTRACTOR SHALL BE REQUIRED TO HAVE THE APPROVED PLANS ON SITE PER CODE.



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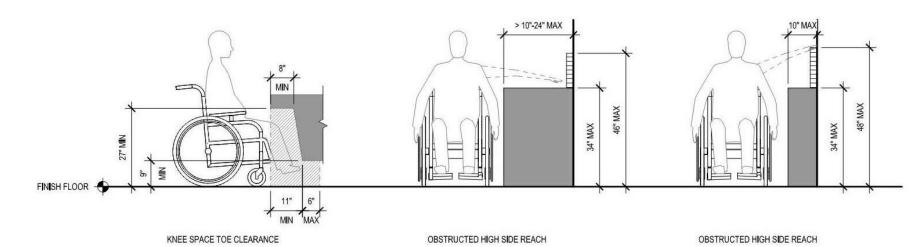
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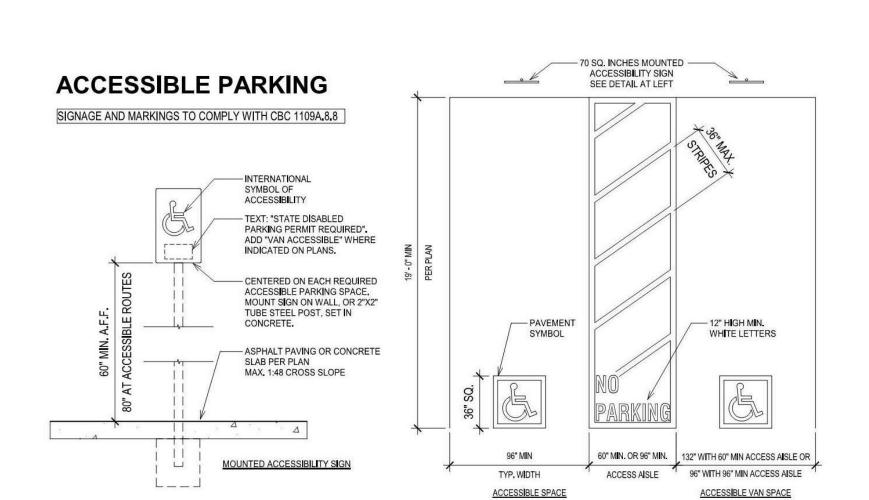
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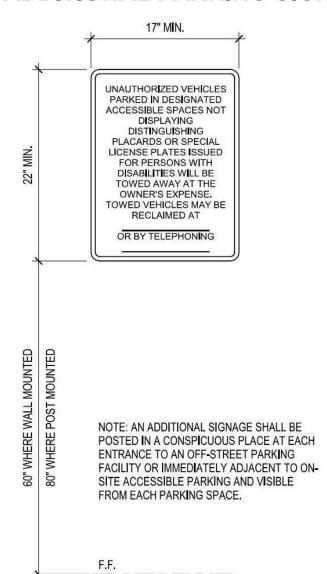
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### **ACCESSIBLE REACH RANGE**

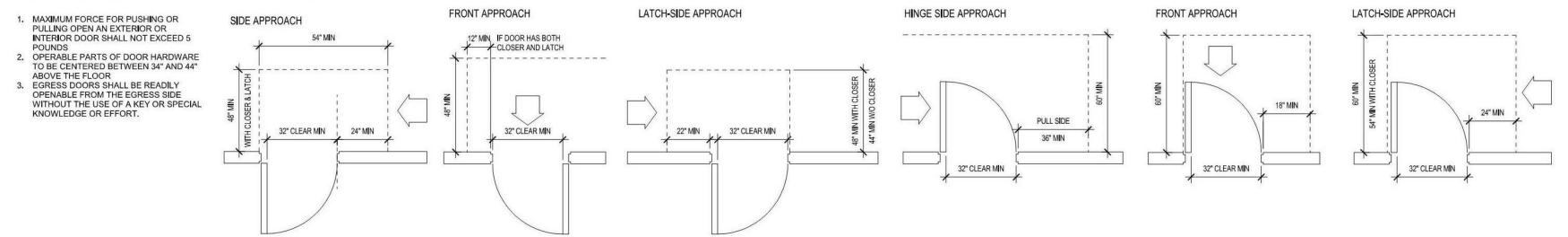




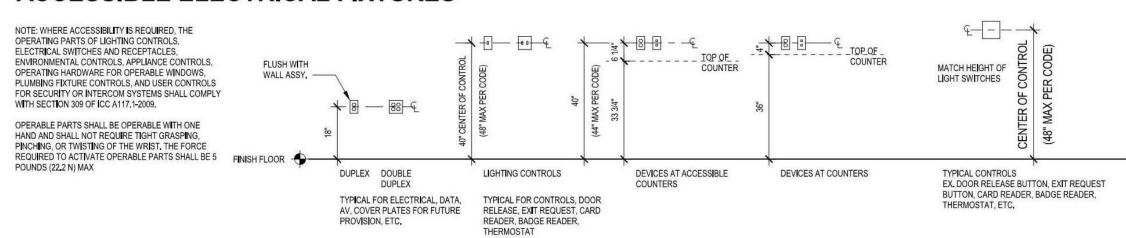
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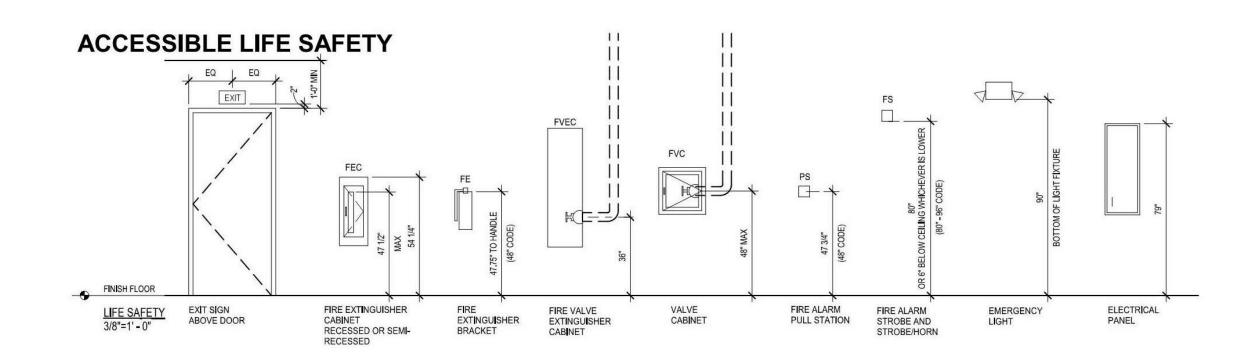


### **ACCESSIBLE DOORS AND GATES**



### **ACCESSIBLE ELECTRICAL FIXTURES**



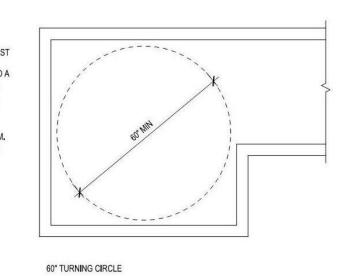


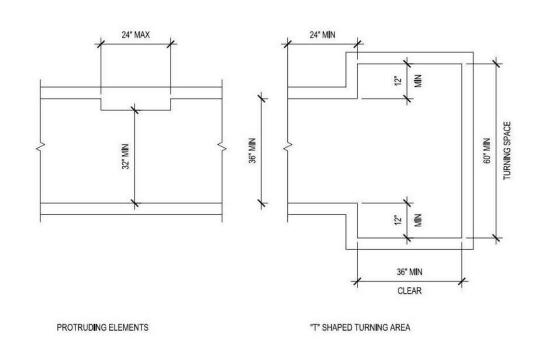
### **ACCESSIBLE ROUTES**

ALL FINISHES MUST BE INCLUDED IN CALCULATING MINIMUM CLEARANCES. MEASURE FROM NEAREST FINISH SURFACE TO NEAREST FINISH SURFACE, (I.E. BASEBOARD TO BASEBOARD).

ACCESSIBLE ROUTES OF TRAVEL MUST BE FREE OF OBSTRUCTION TO A WIDTH OF 36" MIN, BUT MAY BE REDUCED TO 32" MIN FOR A MAXIMUM DISTANCE OF 24".

A WHEELCHAIR TURNING SPACE MUST BE PROVIDED CONSISTING OF EITHER A TURNING CIRCLE OR "T" SHAPED TURNING INTERSECTION WITHIN A 60" MIN SQUARE WITH ARMS AND BASE 36" WIDE MINIMUM. EACH ARM OF THE "T" SHALL BE CLEAR OF OBSTRUCTION 24" MINIMUM. KNEE AND TOE CLEARANCES ALLOWED ONLY AT THE END OF EITHER THE BASE OR ONE ARM.

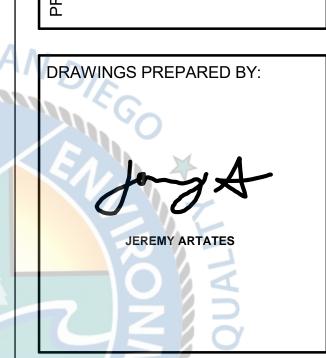






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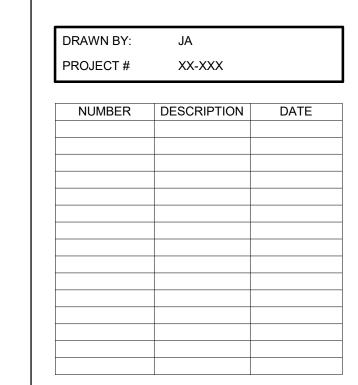




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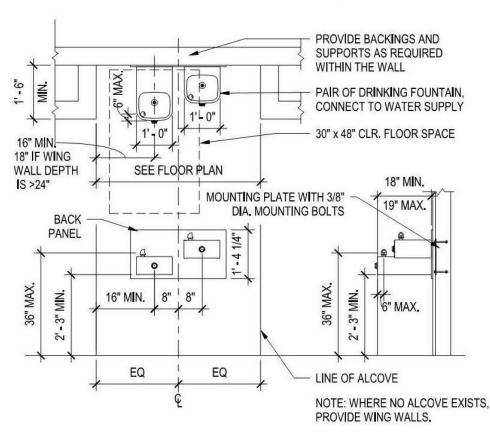
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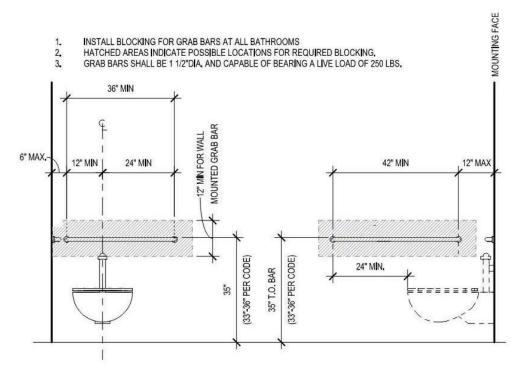
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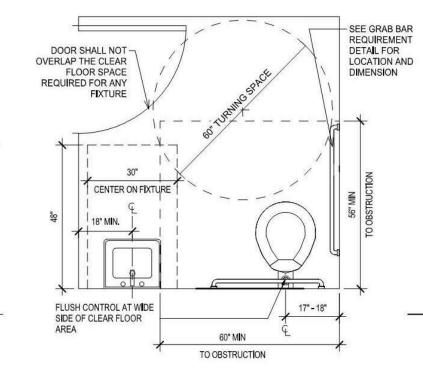
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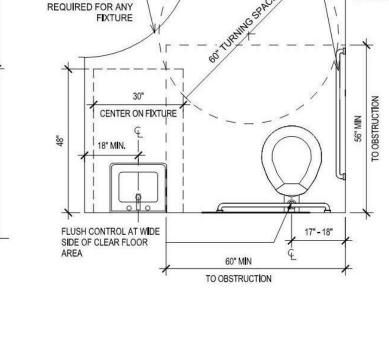
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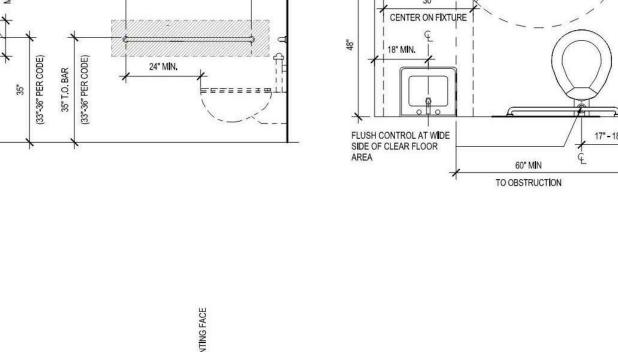
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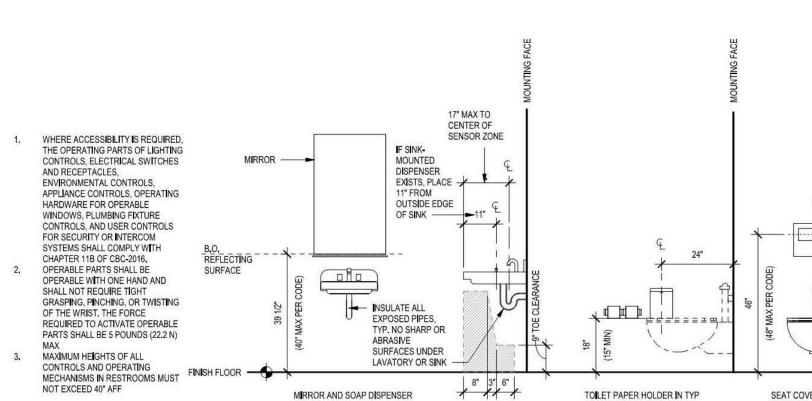








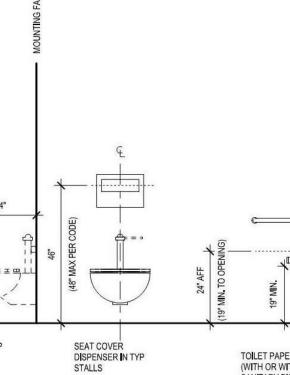


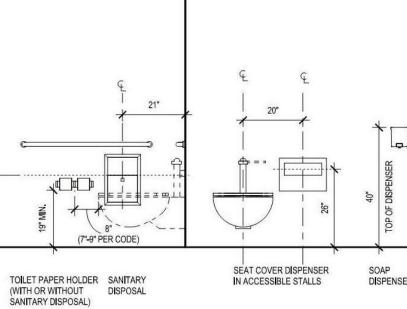


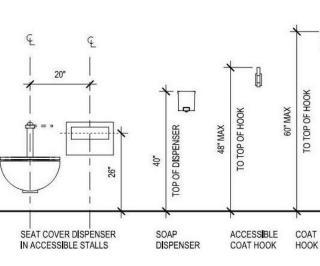
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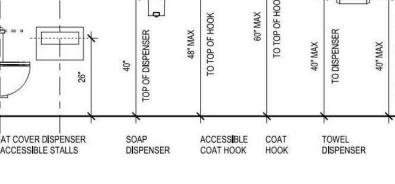
STALLS (WITH OR WITHOUT

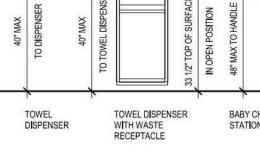
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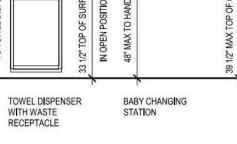


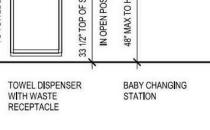


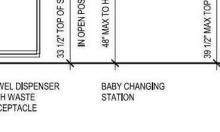


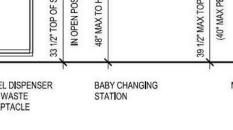














BACK WALL ELEVATION

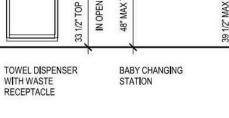


18"

MAX









FLUSH VALVE — HANDLE TO

"OPEN" SIDE

ACCESSIBLE PUBLIC BATHROOMS

(39" - 41" CODE)

SIDE WALL ELEVATION

ACCESSIBLE BATHROOM FIXTURES

50% OF CLOSET LENGTH, TYP.

IF RECESSED, DISPENSER OUTLET CAN BE LOCATED IN

— THIS ZONE; IF PROJECTING, MUST BE 12" MIN, FROM TOP OF GRAB BAR

FINISH FLOOR

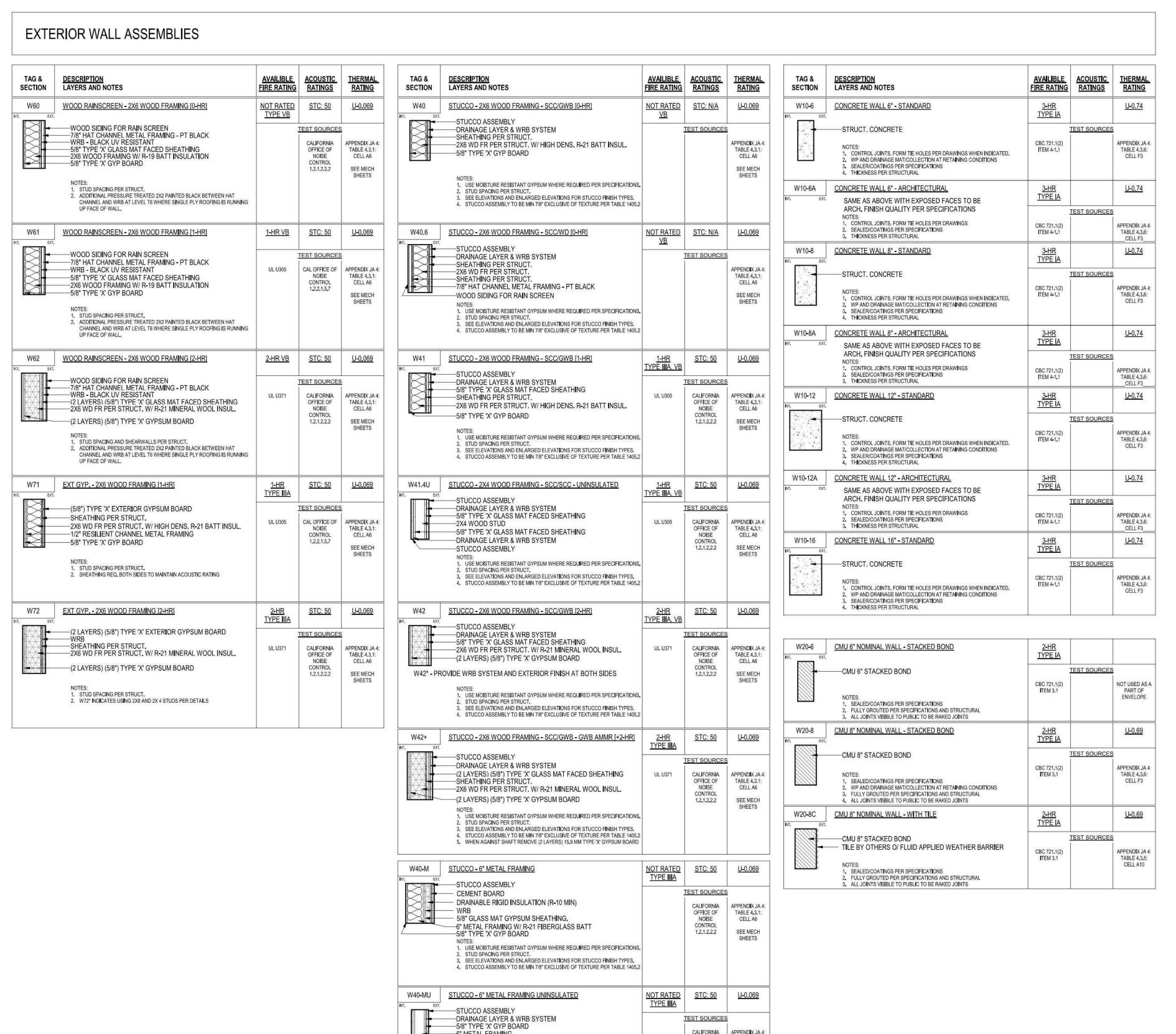
- TOILET PAPER

— TOILET PAPER
DISPENSER
MOUNTING SHALL
PROVIDE OUTLET
TO BE LOCATED
WITHIN THIS ZONE

HAND DRYER

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-6" METAL FRAMING

-(2 LAYERS) (5/8") TYPE 'X' GYPSUM BOARD

2. STUD SPACING PER STRUCT. 3. SEE ELEVATIONS AND ENLARGED ELEVATIONS FOR STUCCO FINISH TYPES.

I. USE MOISTURE RESISTANT GYPSUM,

### **ASSEMBLIES GENERAL NOTES**

5. WRB AND DRAINAGE PLANE TO MEET NFPA 285 PER CBC 1403.5

SECURELY RETAINED IN PLACE (CBC 718.2.1.7).

- SEE BUILDING OCCUPANCY/EGRESS PLANS AND FLOOR PLANS FOR WALL FIRE RATING LOCATIONS. 2. USE MOISTURE RESISTANT GYPSUM ON ALL WALLS AND CEILINGS WHERE REQUIRED PER SPECIFICATIONS. (AREAS REQUIRED BUT NOT LIMITED TO: RESTROOMS, CUSTODIAL CLOSETS, BEHIND
- KITCHENETTES). 3. ALL EXTERIOR FINISHES TO MEET THICKNESSES OF TABLE 1405.2. ALUMINUM PREFINISHED FLASHING SHOWN IN DETAILS TO MEET THICKNESS OF ALUMINUM SIDING IN TABLE 1405.2 TO ENSURE COMPLIANCE WITH 1403.5 EXCEPTION 1.
- 4. ZIP CODE 91950 IS A CLIMATE ZONE 7. THEREFORE, CLASS I OR CLASS II VAPOR RETARDERS TO BE PROVIDED AT INTERIOR FACE SIDE OF FRAME WALLS PER CBC 1405.3.1. PAINT WITH A PERM RATING GREATER THAN 0.1 AND LESS THAN OR EQUAL TO 1.0. SEE 099000 PAINTING AND COATING SPECIFICATION.
- 6. PROVIDE FIREBLOCKING PER CBC 718.2. 7. WOOD ASSEMBLIES IN THE TYPE IIIA BUILDING. TO HAVE A MAXIMUM CONCEALED FREE AIR AND/OR
- INSULATION VOLUME OF 160ft3. USE FIREBLOCKING PER CBC 718.2 AND DRAFTSTOPPING PER CBC 718.3 AND CBC 718.4 TO SUBDIVIDE VOLUMES GREATER THAN 160ft3. A. IN TRUSS FLOOR AND ROOF ASSEMBLY AREAS FIREBLOCKING AND DRAFTSTOPPING TO BE CREATED WITH WITH SOLID MATERIALS, NOT MINERAL WOOL OR CELLULOSE DUE TO INSUFFICIENT MEANS TO BE
- B. WHERE WOOD TRUSSES ARE NOT USED, FILLING JOIST/BAY CAVITIES WITH MINERAL WOOL PER CBC 718.2.1 AND CBC 718.3.1 IS ACCEPTED. 8. 'SHEATHING PER STRUCT' IS SHOWN ONLY ON ONE SIDE OF THE ASSEMBLIES. SEE STRUCT FOR SHEAR WALL SPECIFICATIONS AND LOCATIONS WITH BOTH SIDES OF ASSEMBLY SHEATHED. WHERE SHEATHING
- IS SHOWN FOR PARITAL WALLS. PROVIDE AN EVEN FINISHED SURFACE BY ADDING SHEATHING TO ENTIRE SURFACE OF WALL AND ALIGNING WALLS. 9. SOME INTERIOR PARTITIONS INCLUDE PLYWOOD SHEAR LAYERS, REFER TO STRUCTURAL FOR LOCATIONS 10. LOW SLOPE SINGLE PLY TO HAVE MIN SRI VALUE OF 75. 11. ALL SINGLE PLY ROOFING TO HAVE A MIN. 1/4" PER FOOT SLOPE TO DRAIN IN ALL CONDITIONS.



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**ASSEMBLIES** 

A-012

DRAWINGS PREPARED BY: JEREMY ARTATES

> **EXTERIOR WALL ASSEMBLIES**

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SHEET:

OFFICE OF NOISE CONTROL

1.2.1.2.2.2

TABLE 4.3.1 CELL A6

SEE MECH SHEETS

TAG & SECTION	DESCRIPTION LAYERS AND NOTES	AVAILIBLE FIRE RATING	ACOUSTIC RATINGS	THERMAL RATING	TAG & SECTION	DESCRIPTION LAYERS AND NOTES	AVAILIBLE FIRE RATING	ACOUSTIC RATINGS	THERMAL RATING	TAG & SECTION	DESCRIPTION LAYERS AND NOTES	AVAILIBLE FIRE RATING	ACOUSTIC RATINGS	THERMAL RATING
A	2X4 WOOD STUD WALL	NOT RATED	STC: 36	RATING	A1	2X4 WOOD STUD PARTITION WALL - NOT USED	1-HR	STC: 57	RATING	A2	2X4 WOOD STUD PARTITION WALL - NOT USED	2-HR	STC: 57	KATING
	(1) LAYER 5/8" GWB O/ 2X4 WOOD STUDS W/ ACOUSTICAL INSULATION O/ (1) LAYER 5/8" GWB		TEST SOURCES  CALIFORNIA  OFFICE OF  NOISE  CONTROL  1,2,1,1,5,10			5/8" TYPE 'X' GYP BOARD2X4 WOOD STUD W/ ACOUSTICAL INSULATION5/8" TYPE 'X' GYP BOARD		TEST SOURCES  CALIFORNIA OFFICE OF NOISE CONTROL 1.2.4.1.5.4	2		——————————————————————————————————————	UL U301	CALIFORNIA OFFICE OF NOISE CONTROL 1.2.4.1.5.4	i i
M	NOTES: 1. STUD SPACING PER STRUCT. 2. SHEAR/SHEATHING PER STRUCTURAL					NOTES: 1. STUD SPACING PER STRUCT. 2. SHEAR/SHEATHING PER STRUCTURAL					NOTES: 1. STUD SPACING PER STRUCT. 2. SHEAR/SHEATHING PER STRUCTURAL			
A3	2X4 WOOD STUD FURRING WALL	NOT RATED	STC: 28		В	2X6 WOOD STUD WALL	NOT RATED	STC: 36		C0	2X4 WOOD STUD PARTITION WALL	NOT RATED TYPE IIIA	STC: 63	
	(1) LAYER 5/8" GWB O/ 2X4 WOOD STUD FRAMING		CALIFORNIA OFFICE OF NOISE CONTROL			(1) LAYER 5/8" GWB O/ 2X6 WOOD STUDS W/ ACOUSTICAL INSULATION O/ (1) LAYER 5/8" GWB		CALIFORNIA OFFICE OF NOISE CONTROL		SHAFT WALL SEE PLANS		UL U305	CALIFORNIA OFFICE OF NOISE CONTROL 1.2.4.1.5.3	
	NOTES: 1. STUD SPACING PER STRUCT. 2. SHEAR/SHEATHING PER STRUCTURAL					NOTES: 1. STUD SPACING PER STRUCT. 2. SHEAR/SHEATHING PER STRUCTURAL					NOTES: 1. STUD SPACING PER STRUCT. 2. SHEAR/SHEATHING PER STRUCTURAL			
C1	2X4 WOOD STUD PARTITION WALL	<u>1-HR</u>	STC: 63		C2	2X4 WOOD STUD PARTITION WALL	2-HR	STC: 63		D	2X6 WOOD STUD FURRING WALL	NOT RATED	STC: 28	
		UL U305	CALIFORNIA OFFICE OF NOISE CONTROL 1.2.4.1.5.4	5		(2) LAYER 5/8" TYPE 'X' GWP O/  2X4 WOOD STUDS W/ R-11 INSULATION O/  1" AIR GAP O"  2X4 WOOD STUDS (OFFSET) W/ R-11 INSULATION O/  (2) LAYER 5/8" TYPE 'X' GWP O/	UL U301	TEST SOURCES  CALIFORNIA OFFICE OF NOISE CONTROL 1.2.4.1.5.3	2		(1) LAYER 5/8" GWB O/ 2X6 WOOD STUD FRAMING		CALIFORNIA OFFICE OF NOISE CONTROL	
	NOTES:  1. STUD SPACING PER STRUCT. 2. SHEAR/SHEATHING PER STRUCTURAL					NOTES: 1. STUD SPACING PER STRUCT. 2. SHEAR/SHEATHING PER STRUCTURAL					NOTES: 1. STUD SPACING PER STRUCT. 2. SHEAR/SHEATHING PER STRUCTURAL			
E	6" MTL, STUD WALL	NOT RATED			F	3 5/8" MTL, STUD WALL	NOT RATED	STC: 45		G	3 5/8" MTL, STUD WALL	<u>1-HR</u>	STC: 52	<u>U-0.407</u>
<b>-</b>	(1) LAYER 5/8" GWB O/ 6" MTL. STUDS W/ R-19 INSULATION O/ (1) LAYER 5/8" GWB		TEST SOURCES			(1) LAYER 5/8" GWB O/ 3 5/8" MTL. STUDS W/ R-13 INSULATION O/ (1) LAYER 5/8" GWB		TEST SOURCES  CALIFORNIA OFFICE OF NOISE CONTROL 1,3,3,1,5,9	<u>2</u>		(2) LAYERS OF 5/8" GWB O/ 3 5/8" MTL. STUDS W/ R-13 INSULATION O/ (2) LAYERS OF 5/8" GWB O/		TEST SOURCES	
	NOTES: 1. STUD SPACING PER STRUCT, 2. SHEAR/SHEATHING PER STRUCTURAL					NOTES:  1. STUD SPACING PER STRUCT.  2. SHEAR/SHEATHING PER STRUCTURAL		NO THE PROPERTY OF THE PROPERT			NOTES:  1. STUD SPACING PER STRUCT.  2. SHEAR/SHEATHING PER STRUCTURAL			
Н	3 5/8" MTL, STUD FURRING WALL	NOT RATED			i1-4	4" MTL CH STUD SHAFT WALL	1-HR			i1-2.5	2 1/2" MTL CH STUD SHAFT WALL	<u>2-HR</u>		<u>U-0.415</u>
•	(1) LAYER 5/8" GWB  3 5/8" MTL. STUDS W/ R-13 INSULATION O/  NOTES: 1. STUD SPACING PER STRUCT. 2. SHEAR/SHEATHING PER STRUCTURAL		TEST SOURCES		24" MAX, O.C.,		UL U415	TEST SOURCES		HORIZONTAL SECTION		UL U415 or U437	TEST SOURCES	
					<u> </u>					i2-2A	4" MTL CH STUD SHAFT WALL	<u>2-HR</u>		<u>U-0.415</u>
										HORIZONTAL SECTION	2X4 WOOD FRAMING W/ R-13 BATT INSULATION (2) LAYERS 5/8" TYPE 'X' GWB O/ 2-1/2" MTL CH STUDS RUNNING HORIZ., FRICTION FITTED TO 'J' SHAPED RUNNERS O/ 1" GYPSUM BOARD SHAFT LINER	UL U415 or U437	TEST SOURCES	
										i2-4	4" MTL CH STUD SHAFT WALL	<u>2-HR</u>		<u>U-0.415</u>
										HORIZONTAL SECTION	(2) LAYERS 5/8" TYPE 'X' GWB O/  4" MTL CH STUDS RUNNING HORIZ., FRICTION FITTED TO 'J' SHAPED RUNNERS O/  1" GYPSUM BOARD SHAFT LINER  NOTES:  1. STUD SPACING PER STRUCT. 2. SHEAR/SHEATHING PER STRUCTURAL	UL U415 or U437	TEST SOURCES	
										i2-6	6" MTL CH STUD SHAFT WALL	<u>2-HR</u>		<u>U-0.415</u>
										HORIZONTAL	——————————————————————————————————————	UL U415 or U437	TEST SOURCES	

### **ASSEMBLIES GENERAL NOTES**

- SEE BUILDING OCCUPANCY/EGRESS PLANS AND FLOOR PLANS FOR WALL FIRE RATING LOCATIONS.
   USE MOISTURE RESISTANT GYPSUM ON ALL WALLS AND CEILINGS WHERE REQUIRED PER SPECIFICATIONS. (AREAS REQUIRED BUT NOT LIMITED TO: RESTROOMS, CUSTODIAL CLOSETS, BEHIND
  - 3. ALL EXTERIOR FINISHES TO MEET THICKNESSES OF TABLE 1405.2. ALUMINUM PREFINISHED FLASHING SHOWN IN DETAILS TO MEET THICKNESS OF ALUMINUM SIDING IN TABLE 1405.2 TO ENSURE COMPLIANCE WITH 1403.5 EXCEPTION 1.
- ZIP CODE 91950 IS A CLIMATE ZONE 7. THEREFORE, CLASS I OR CLASS II VAPOR RETARDERS TO BE
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  GREATER THAN 0.1 AND LESS THAN OR EQUAL TO 1.0. SEE 099000 PAINTING AND COATING SPECIFICATION.
   WRB AND DRAINAGE PLANE TO MEET NFPA 285 PER CBC 1403.5
- PROVIDE FIREBLOCKING PER CBC 718.2.
   WOOD ASSEMBLIES IN THE TYPE IIIA BUILDING. TO HAVE A MAXIMUM CONCEALED FREE AIR AND/OR INSULATION VOLUME OF 160ft<sup>3</sup>. USE FIREBLOCKING PER CBC 718.2 AND DRAFTSTOPPING PER CBC 718.3
- AND CBC 718.4 TO SUBDIVIDE VOLUMES GREATER THAN 160ft<sup>3</sup>.

  A. IN TRUSS FLOOR AND ROOF ASSEMBLY AREAS FIREBLOCKING AND DRAFTSTOPPING TO BE CREATED WITH WITH SOLID MATERIALS, NOT MINERAL WOOL OR CELLULOSE DUE TO INSUFFICIENT MEANS TO BE
- SECURELY RETAINED IN PLACE (CBC 718.2.1.7).

  B. WHERE WOOD TRUSSES ARE NOT USED, FILLING JOIST/BAY CAVITIES WITH MINERAL WOOL PER CBC 718.2.1 AND CBC 718.3.1 IS ACCEPTED.
- 8. 'SHEATHING PER STRUCT' IS SHOWN ONLY ON ONE SIDE OF THE ASSEMBLIES. SEE STRUCT FOR SHEAR WALL SPECIFICATIONS AND LOCATIONS WITH BOTH SIDES OF ASSEMBLY SHEATHED. WHERE SHEATHING IS SHOWN FOR PARITAL WALLS. PROVIDE AN EVEN FINISHED SURFACE BY ADDING SHEATHING TO ENTIRE SURFACE OF WALL AND ALIGNING WALLS.
- 9. SOME INTERIOR PARTITIONS INCLUDE PLYWOOD SHEAR LAYERS, REFER TO STRUCTURAL FOR LOCATIONS 10. LOW SLOPE SINGLE PLY TO HAVE MIN SRI VALUE OF 75.
- 11. ALL SINGLE PLY ROOFING TO HAVE A MIN. 1/4" PER FOOT SLOPE TO DRAIN IN ALL CONDITIONS.





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National City - 8th

INT. WALL

ASSEMBLIES

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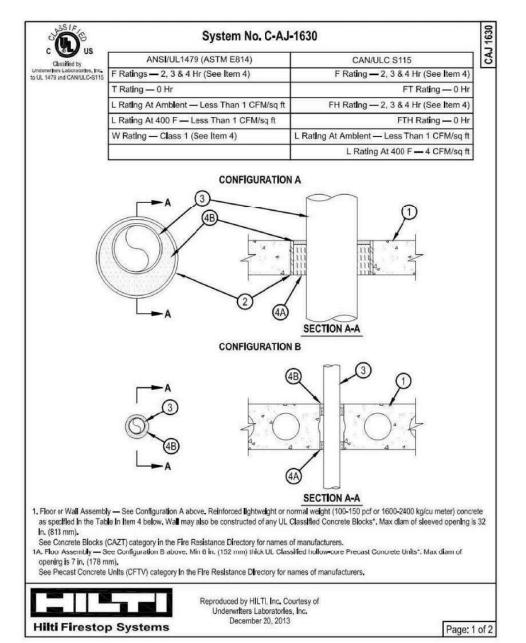
DRAWINGS PREPARED BY:

JEREMY ARTATES

INTERIOR WALL
ASSEMBLIES

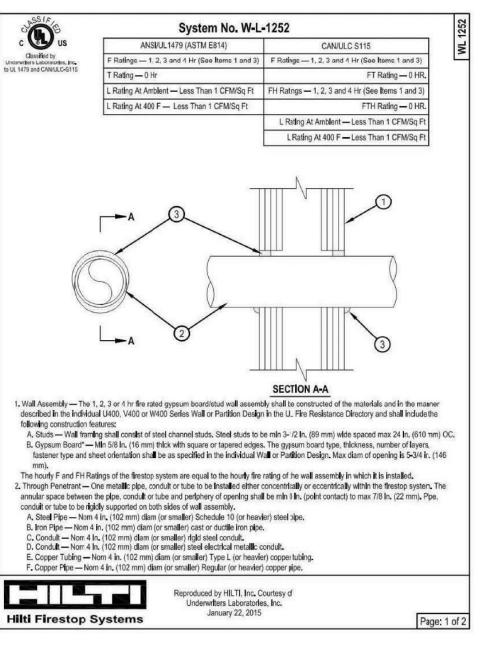
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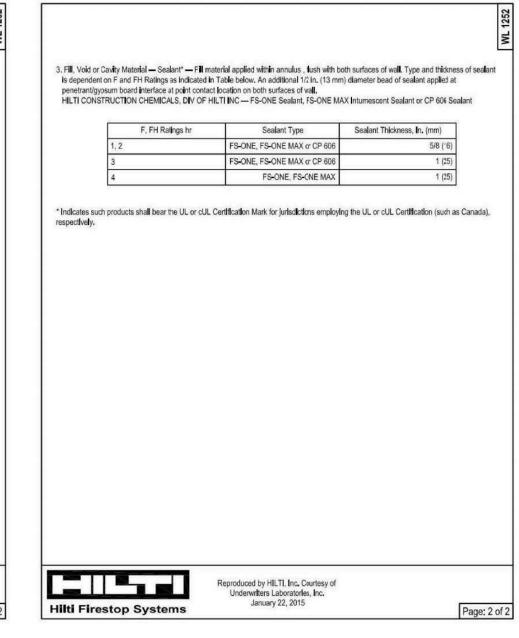
\*REFERENCED INTERIOR WALL ASSEMBLIES FROM ORIGINAL BUILDING PERMIT SET APPROVED UNDER PERMIT# 2019-8703\*



TYPICAL FIRE PENETRATION AT RATED ASSEMBLIES

			System N	o. C-AJ-163	0		
sembly, flusi faces of wa arough Pene ndult or tubli used. See I les and size A. Steel Pipe C. Condult — C. Condult — C. Copper Ti E. Copper Pi restop Systet sterlal thickni	h with both surface.  II. Steel sleeve ma betrarts — One met tong to be figlidly sur tem 3C below for so of metallic pipes e — Schedule 10 (  — Cast or ductile i — Nom 4 In. (102 n ubing — Type L (o ppe — Regular (or pm — The F Rating ess, packing mates ess, packing mates)	es of floor or wall. As y be used in 2 and a allic pipe, conduit or ported on both side size of conduit that re, conduits or tubing or heavier), steel pip ron pipe. nm) dlam (or smalle r heavier) copper tube q of the system is de	s an option, seeve 3 hr F Rated syster t tubing to be inst is of floor or wall is may be used. The may be used: i.e. r) steel electrical r bing. e. e. peendent upon the etrant size as sho	alled either concent assembly. See Table	2 in. above top surficely or eccentrical to the first term 4 for states to be as specified in m 6 in. (152 mm) of thickness of concre	ace of floor or be illy within the fire of penetrants A Table in Item 4 dlam (or smaller) te annular space	syond one or both stop system. Pipe, B, D and E that mabelow. The following steel condult.
F Rating	Min Thick Concrete	Annular Space In. (mm)	Min Thick Packing Mti	MIn Density Packing Mtl	Min Thick Fill Mti,	Pene S <b>l</b> z In. (r Dia (or Sn	re, mm) am
1500051	In. (mm)		In. (mm)	pcf (kg/cu meter)	In. (mm)	D, E Copper	A, B (Steel Iron)
2	5-1/2 (140)	0 to 1-7/8 (0 to 48)	5 (127)	4 (64)	1/2 (13)	4 (102)	16 (406)
3	4-1/2 (114)	0 to 2-1/8 (0 to 54)	4-1/4 (108)	4 (64)	1/4 (6)	6 (152)	30 (762)
4	5-1/2 (140)	0 to 1-7/8 (0 to 48)	5 (127)	4 (64)	1/2 (13)	4 (102)	8 (203)
sleeve, or floor applice the bottom from the to the s. Fill, Void of the annulu between pl packing ma flush with the HILTI CON	from both surfaces cations as shown in surface of the floc op surface of the floc or Cavity Material* is, flush with top sur lipe and concrete of aterial (Item 4A) or bottom surface of the surf	s of wall or ends of s n Configuration B, o or and the remaining por to accommodate — Caulk — Min 1/4 urface of floor or top or sleeve, a min 1/2 in the bottom surface floor. EMICALS, DIV OF H	sleeve, as require ne half of the required the required thic or 1/2 in. (6 or 1; end of sleeve, or in. (13 mm) dlam of the floor may	al wool packing mat kness of the fill mate 3 mm) thickness of t with both surfaces bead of fill material	he required thickne ineral wool packing terial installed at the erial.  If material as spec of wall or ends of s shall be applied, A pmmodate a 1/4 in.	ess of fill material g material shall be e top of the open iffed in the Table leeve. At the poin s an option, for h . (6 mm) depth of	. For hollow-core e Installed flush with Ing and recessed above applied within at contact location ollow-core floors, the fill material Installed
			Decredused by the	IILTI, Inc. Courtesy	of		





### **ACOUSTIC PARTITION NOTES**

- EXTEND ACOUSTICAL PARTITIONS FULL HEIGHT, UNLESS NOTED
- SEAL FULL HEIGHT PARTITIONS AIR TIGHT TO STRUCTURAL FLOOR OR ROOF DECK ABOVE, CONFORM WITH DESIGN PRACTICE RECOMMENDED IN ASTM E497 AND ASTM C919. ASTM E497-99 STANDARD PRACTICE FOR INSTALLING SOUND ISOLATION LIGHTWEIGHT PARTITIONS. ASTM C919-08, STANDARD PRACTICE FOR USE OF SEALANTS IN ACOUSTICAL
- 3. SEAL PARTITIONS AT THE FLOOR SURFACE WITH ACOUSTICAL CAULKING BY APPLYING SEALANT TO THE FIRST LAYER OF DRYWALL EACH SIDE.
- 4. ELECTRICAL OR OTHER OUTLET BOXES SHOULD NOT BE INSTALLED BACK TO BACK WITHIN A SINGLE PARTITION. SEPARATE BY AT LEAST ONE STUD SPACE. SEAL PERIMETER OF DRYWALL CUTOUT FOR ALL BOXES AND RECESSED PANELS. EXCEPTION AT UNITS WHERE KITCHENS ARE BACK-TO-BACK AND FIBERGLASS BACK BOXES ARE TO BE USED, PER ELECTRICAL.
- 5. PIPING AND DUCT PENETRATIONS: CLOSE UP MAX 1/2" GAP AROUND EACH PENETRATION ON EACH SIDE WITH BACKER ROD OR COMPRESSED GLASS FIBER BATT AND SEAL WITH ACOUSTICAL CAULKING. 6. ACOUSTICAL PARTITIONS CONSTRUCTED WITH CMU MUST BE
- SEALAED ON ALL SOUND-EXPOSED SURFACES WITH TWO COATS OF PAINT OR SEALER. SPECIFY PAINT OR SEALER WHICH WILL PENETRATE CMU PORES AND SEAL THE SURFACE
- 7. WHERE TWO OR MORE LAYERS OF GYPSUM BOARD ARE USED, STAGGER BOARD JOINTS.
- 8. ACOUSTICAL PARTITION DRYWALL: TYPE X GYPSUM WALLBOARD TO REDUCE VARIABILITY OF ACOUSTICAL PERFORMANCE.
- 9. CONSTRUCT PARTITIONS WITH GAUGE REQUIREMENTS AS LISTED IN SPECIFICATION SECTION 099200 10. WHERE AN ACOUSTICAL PARTITION MEETS ANOTHER
- PARTITION (USUALLY AT 90 DEGREES) DRYWALL SHOULD NOT RUN CONTINUOUSLY ACROSS THE JUNCTION BUT TERMINATE IN A TAPED JOINT ON EACH SIDE. THE ADJOINING PARTITION MUST BE FULL HEIGHT TO PRESERVE THE ACOUSTICAL PARTITION'S SOUND ISOLATION PERFORMANCE. SEE DETAIL DRAWINGS FOR ADDITIONAL INFORMATION.

### FIRE PENETRATION NOTES

- 1. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING PLANS FOR THE LOCATIONS OF PENETRATIONS THROUGH WALLS. REFER TO EGRESS PLAN SHEETS G-011 TO G-013 FOR A DIAGRAM OF THE LOCATIONS OF RATED WALLS. IN ADDITION, REFER TO WALL ASSEMBLIES IDENTIFIED ON THE PLANS FOR FIRE RATED
- 3. ALL ELECTRCAL, MECHANICAL AND PLUMBING PENETRATIONS MUST COMPLY WITH SECTION 714 OF THE CBC.
- AND INSTALLATION PROCEDURES SHALL BE APPROVED BY THE BUILDING INSPECTOR PRIOR TO INSTALLATION.
- FIRESTOPPING SYSTEMS SHALL BE ULLISTED ASSEMBLIES SYSTEMS MEETING THE REQUIREMENTS SPECIFIED AND SUITABLE FOR THE CONDITIONS INDICATED AS MANUFACTURED BY ONE OR MORE OF THE FOLLOWING MAY BE USED:
- PROVIDED TO THE LEFT. THE CONTRACTOR MAY SELECT FROM SPECIFIED LIST OF MANUFACTURES BUT MUST REVIEW AND OBTAIN APPROVAL ALL DETAILS WITH THE JURISDICTIONAL CODE AUTHORITIES PRIOR TO INSTALLATION.

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MILLER

The Miller Hull Partnership, LLP Architecture and Planning

San Diego, CA 92106

Phone 619.220.0984

Contact Name

DRAWN BY:

PROJECT#

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NUMBER DESCRIPTION

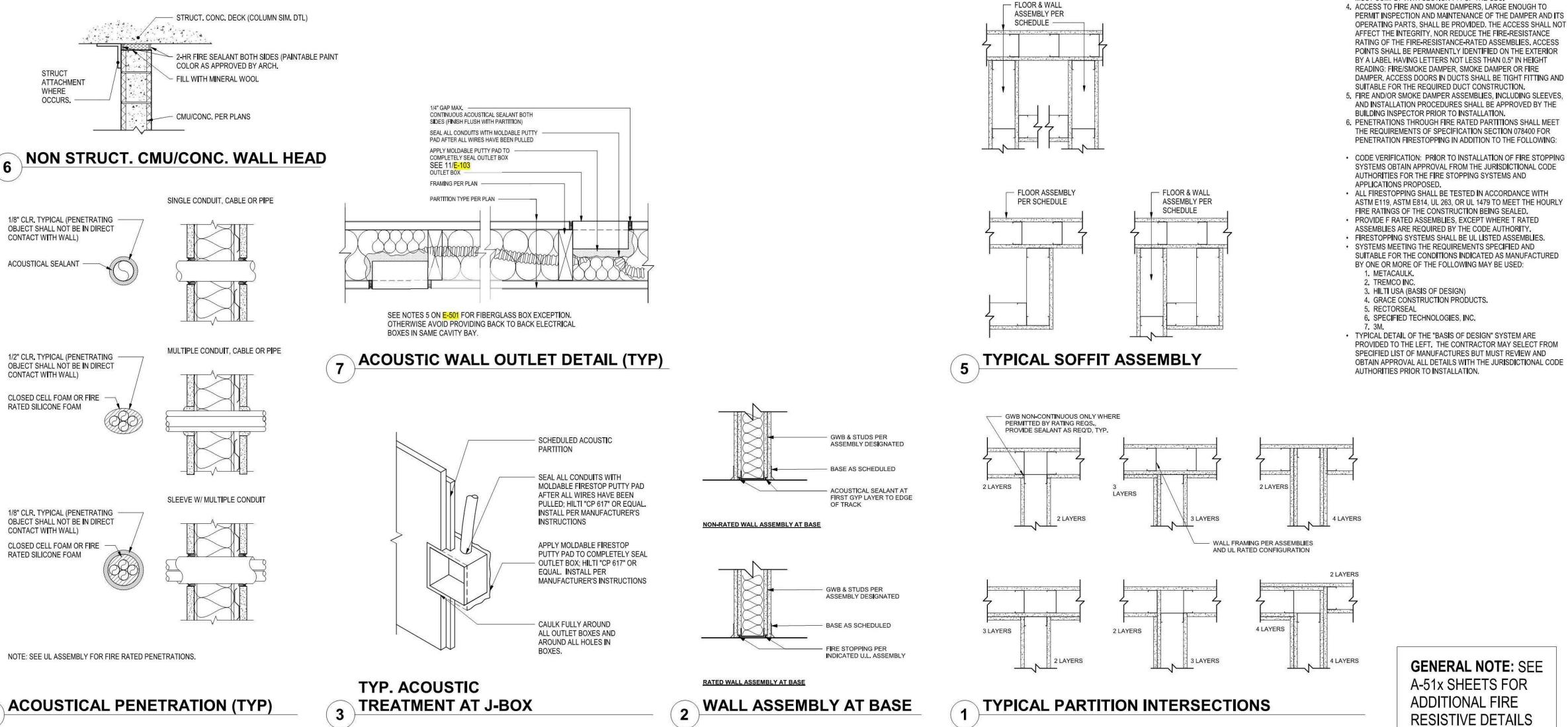
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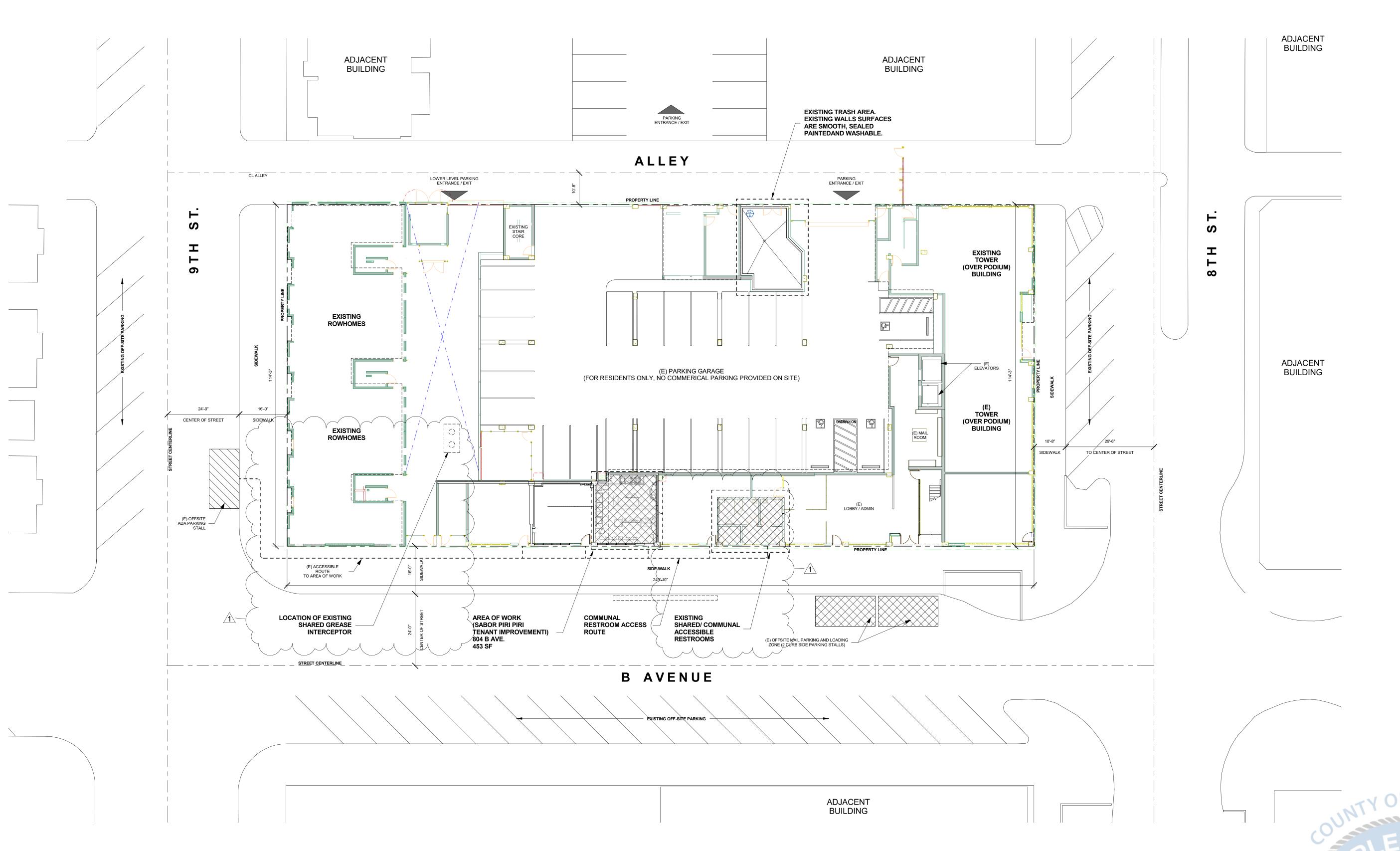
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**ASSEMBLY DETAILS** 







### **NOTES:**

\*\*PREVIOUS USE OF TENANT SPACE WAS AN EMPTY SHELL SPACE PREPPED FOR KITCHEN/COMMERICAL FOOD/RETAIL ESTABLISHMENT.

NO HAZARDOUS MATERIALS WILL BE STORED OR USED WITHIN THE BUILDING WHICH EXCEED THE QUANTITES LISTED IN IBC TABLES 307.1(1) AND 307.1(2)

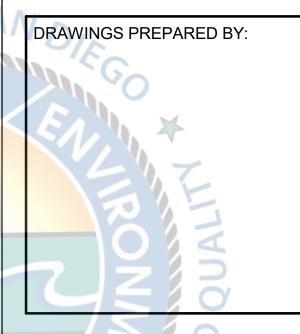
### **REFERENCE NOTE:**

\*\*ALL ITEMS ON SITE PLAN, INCLUDING ACCESSIBLE OFF SITE STREET PARKING, ACCESSIBLE PATH AND RESTROOMS ARE FOR REFERENCE ONLY. ALL ITEMS WERE APPROVED UNDER PERMIT # 2019-8703



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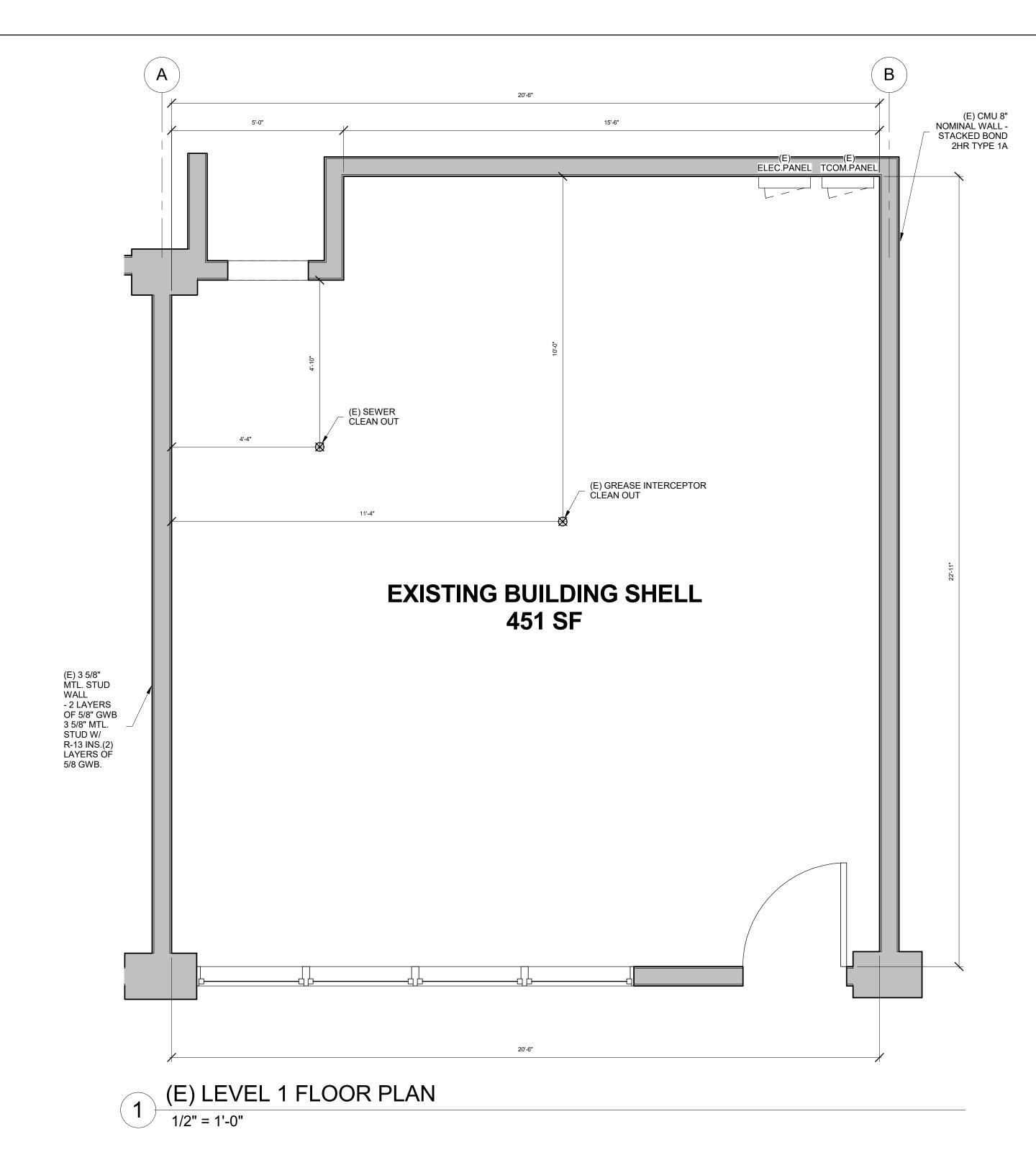
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NATIONAL CITY CA 91950



SITE PLAN
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GENERAL NOTES

WALL AND CEILING MATERIALS SHALL BE CLASSIFIED IN ACCORDANCE WITH ASTM E 84 OR UL 723.

ALL FOOD-RELATED AND UTENSIL-RELATED EQUIPMENT SHALL MEET OR BE EQUIVALENT TO SANITATION STANDARDS ESTABLISHED BY AN AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) ACCREDITED PROGRAM.

EXISTING GREASE TRAP WILL BE CLEANED ONCE A MONTH BY A SPECIALIZED COMPANY

EXISTING COMMUNAL RESTROOMS SERVES EMPLOYEES AND CONSUMERS.

NOTE: EXIT SIGNS SHALL BE INTERNALLY OR EXTERNALLY ILLUMINATED AT ALL TIMES AND SHALL BE CONNECTED TO AN EMERGENCY POWER SYSTEM (BATTERIES, UNIT EQUIPMENT OR AN ON-SITE GENERATOR) THAT WILL AUTOMATICALLY ILLUMINATE THE EXIT SIGNS FOR A DURATION OF NOT LESS THAN 90 MINUTES.

AUTOMATICALLY ILLUMINATE THE EXT SIGNSTON A DUNATION OF NOT LESS THAN 90 MINOTES.

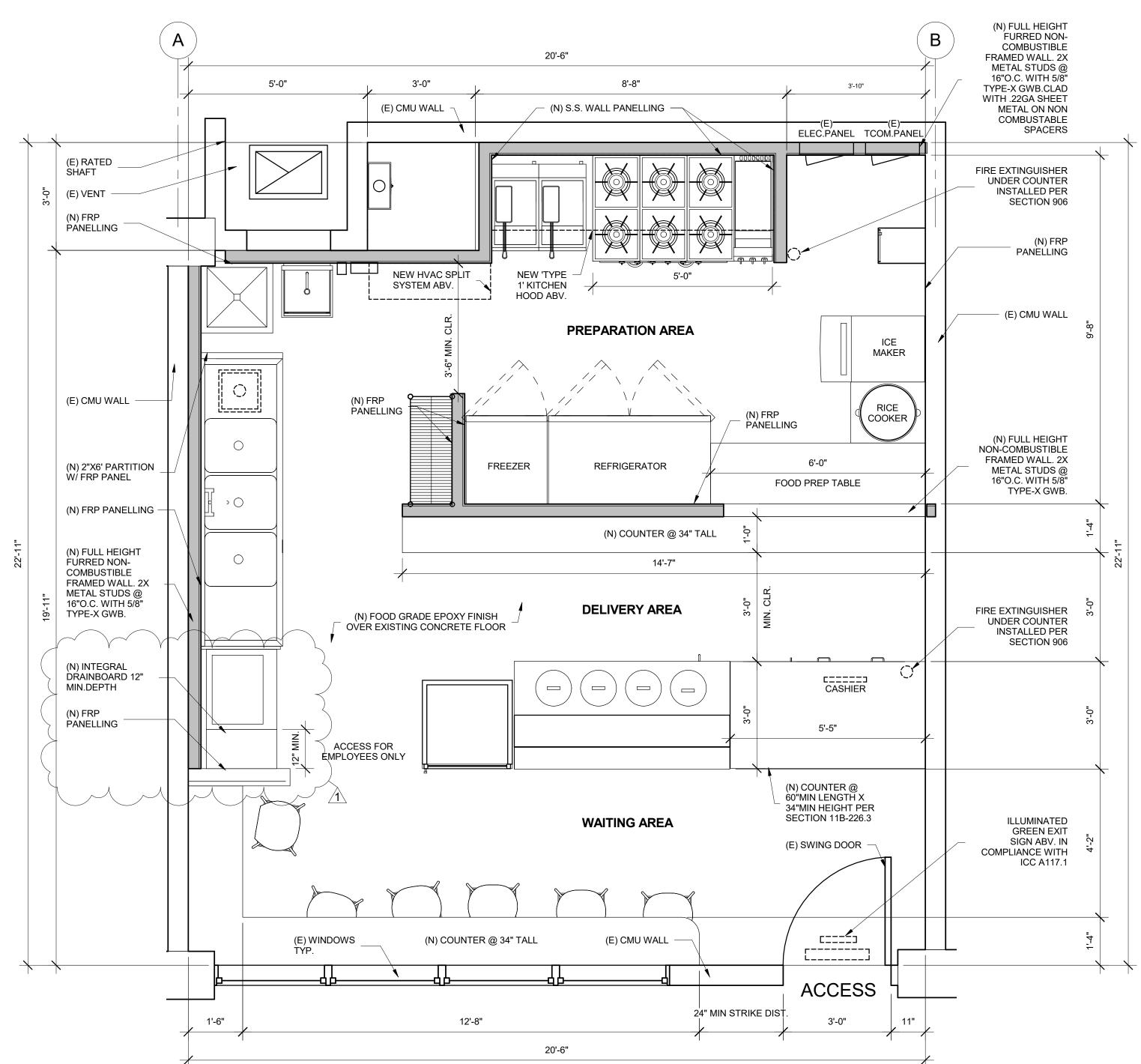
DOOR WILL MAINTAIN 'UNLOCK' POSITION DURING BUSINESS HOURS

ACCESS ONLY FOR EMPLOYEES

ONE INCH AIR GAP TO FLOOR SINK FROM INDIRECT DISCHARGE OF 3 COMP SINK, PREP SINK AND WATER HEATER

FRONT COUNTER (CASHIER AND DELIVERY AREA) COMPLIES WITH ADA STANDARDS

PARTITION WALL 2X6" HIGH MIN. ANCHORED TO WALL AND CEILING COVERED WITH FRP PANEL.



(P) LEVEL 1 FLOOR PLAN

\*\* REFERENCE SHEET A1.3 FOR EQUIPMENT PLAN AND SCHEDULE \*\*

### **DOOR NOTES:**

11B-404.2.9 DOOR AND GATE OPENING FORCE:

1. THE FORCE FOR PUSHING OR PULLING OPEN A DOOR OR GATE SHALL BE AS FOLLOWS:

A. INTEROR HINGED DOORS AND GATES: 5 POUNDS (22.2 N) MAXIMUM.

B. SLIDING OR FOLDING DOORS: 5 POUNDS (22.2 N) MAXIMUM.

C. REQUIRED FIRE DOORS: THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 15 POUNDS (66.7 N).

D. EXTERIOR HINGED DOORS: 5 POUNDS (22.2 N) MAXIMUM

THESES FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT HOLD THE DOOR OR GATE IN A CLOSED POSITION (PER CBC 2019 SECTION 11B-404.2.9.

2. ALL OPERABLE PARTS OF ALL DOORS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPHING, PINCHING, OR TWISTING OF THE WRIST, THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS (22.2 N) MAXIMUM.

3. THRESHOLDS, IF PROVIDED AT DOORWAYS, SHALL BE 1/2 INCH (12.7MM) HIGH MAXIMUM, RAISED THRESHOLDS AND CHANGES IN LEVEL AT DOORWAYS SHALL COMPLY WITH SECTIONS 11B-302 AND 11B-303.

THE LOWER 10" OF ALL DOORS WILL COMPLY WITH SECTION: 11B-404.2.10:

A. TO BE SMOOTH AND UNINTERRUPTED TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST, WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION.
B. NARROW FRAME DOORS MAY USE A 10" HIGH SMOOTH PANEL ON THE PUSH SIDE OF THE DOOR.

### DOOR EXIT REQUIREMENTS:

1. EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT. (CFC SECTION 1010.1.9)

2. A READILY VISIBLE DURABLE SIGN IS POSTED ON THE EGRESS SIDE ON OR ADJACENT TO THE DOOR STATING: THIS DOOR TO REMAIN UNLOCKED WHEN THIS SPACE IS OCCUPIED. THE SIGN SHALL BE IN LETTERS 1 INCH HIGH ON A CONTRASTING BACKGROUND. (CFC,

SECTION 1010.1.9.4)
3. EXIT DOORS WILL BE A MINIMUM OF 3 FEET BY 6'-8" WITH A MINIMUM DOOR SWING OF 90 DEGREES.

4. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON DOORS AND GATES SHALL COMPLY WITH SECTION 11B-309.4
OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34 INCHES MINIMUM AND 44 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.
WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES.
(CBC 11B-404.2.7)

### WINDOW SCHEDULE

	ТҮРЕ	SIZE	MATERIAL	NOTES
EXISTING	MAIN FACADE WINDOW	3'-2" X 4'-0"	ALUMINUM AND GLASS	FIXED, NON-OPERABLE
EXISTING	MAIN FACADE WINDOW	3'-2" X 4'-0"	ALUMINUM AND GLASS	FIXED, NON-OPERABLE
EXISTING	MAIN FACADE WINDOW	3'-2" X 4'-0"	ALUMINUM AND GLASS	FIXED, NON-OPERABLE
EXISTING	MAIN FACADE WINDOW	3'-2" X 4'-0"	ALUMINUM AND GLASS	FIXED, NON-OPERABLE
EXISTING	MAIN FACADE WINDOW	3'-2" X 2'-0"	ALUMINUM AND GLASS	FIXED, NON-OPERABLE
EXISTING	MAIN FACADE WINDOW	3'-2" X 2'-0"	ALUMINUM AND GLASS	FIXED, NON-OPERABLE
EXISTING	MAIN FACADE WINDOW	3'-2" X 2'-0"	ALUMINUM AND GLASS	FIXED, NON-OPERABLE
EXISTING	MAIN FACADE WINDOW	3'-2" X 2'-0"	ALUMINUM AND GLASS	FIXED, NON-OPERABLE

DOOR SCHEDULE

DOOK SCHEDULE								
	TYPE	SIZE	MATERIAL	TYPE	REMARKS			
EXISTING	(E) MAIN ACCESS	3'-0" X 7'-0"	ALUMINUM AND SAFETY GLAZING	SWING	DOOR SELF/CLOSING			



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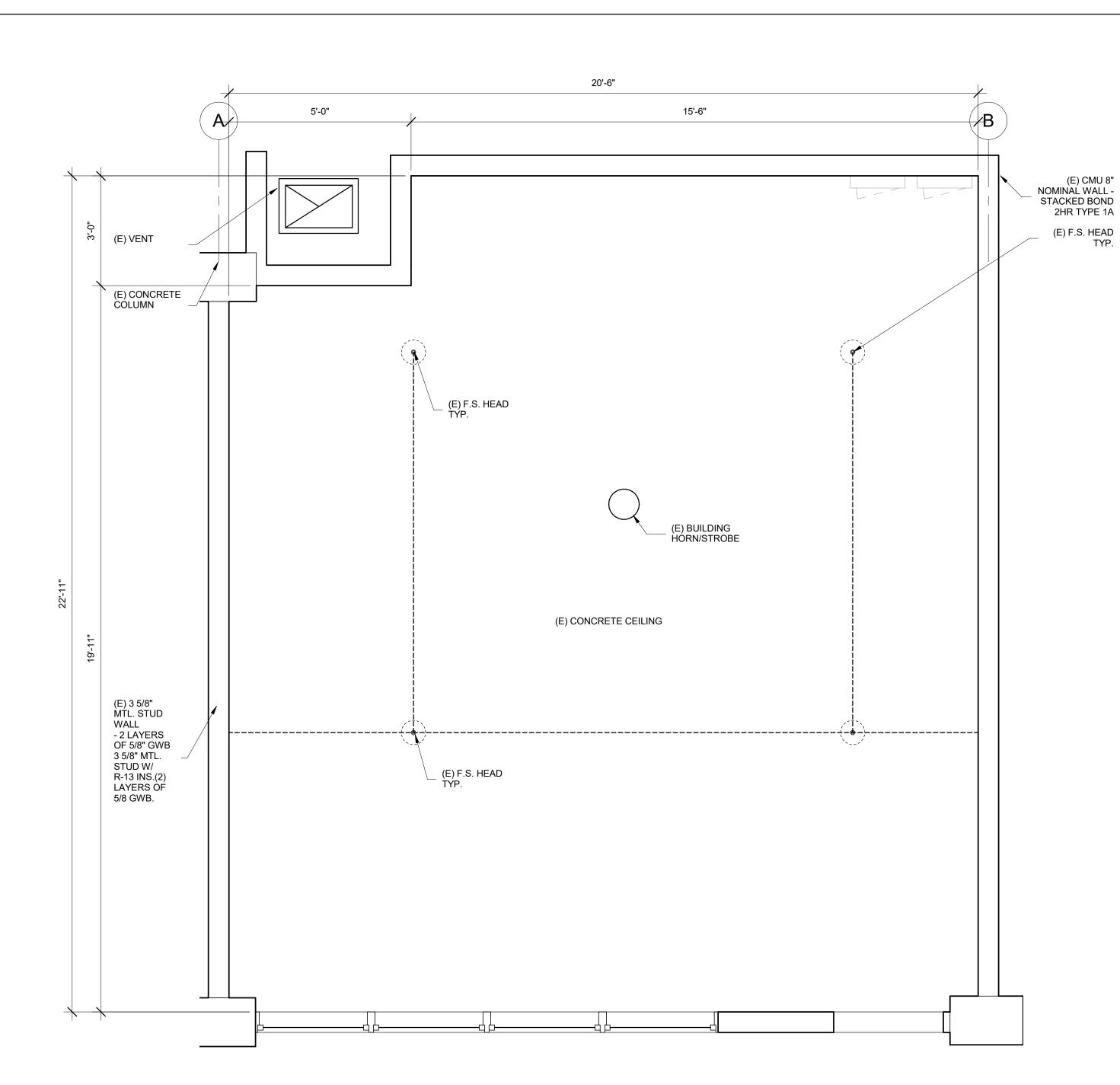
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FLOOR PLANS
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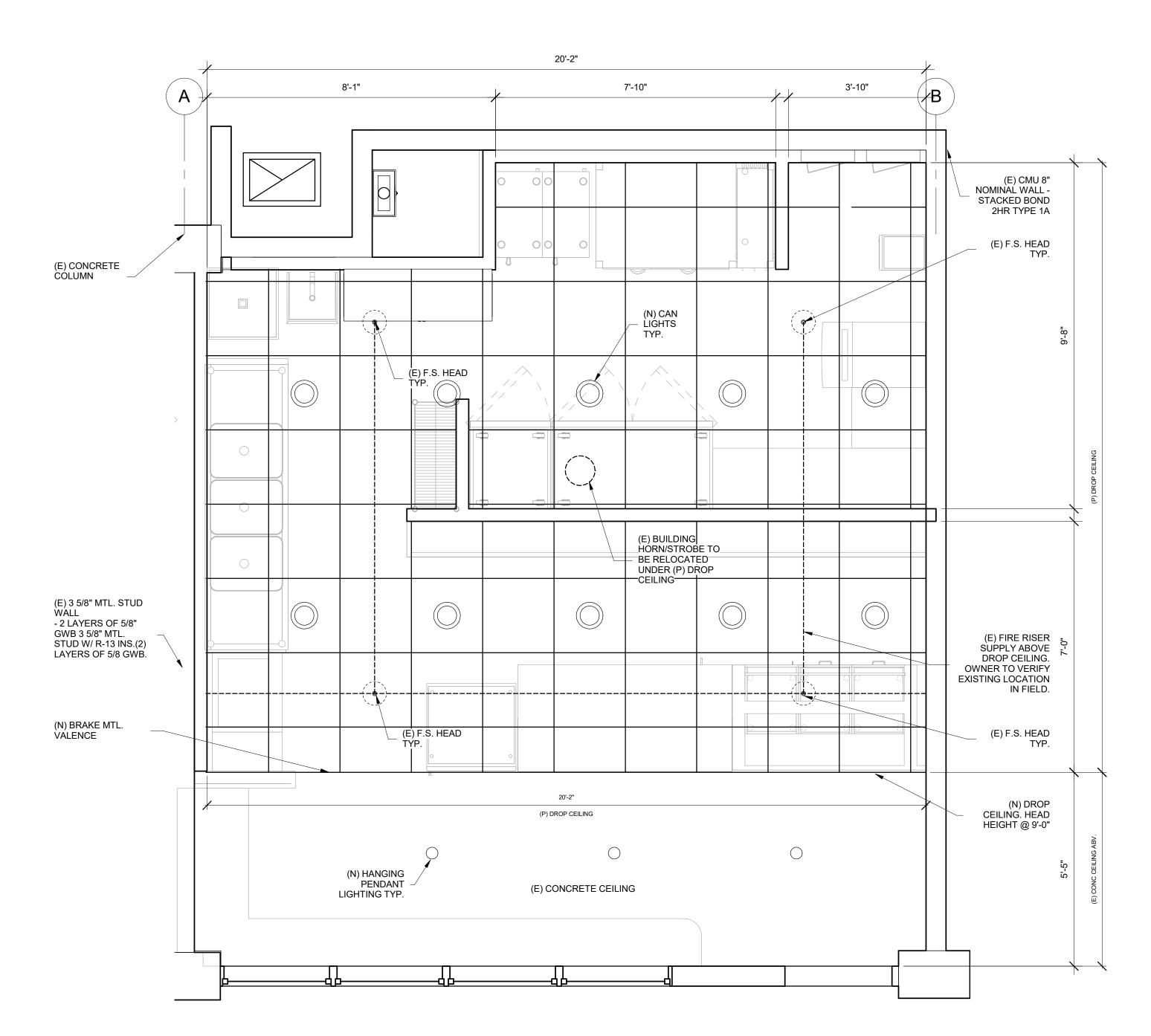
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(E) LEVEL 1 REFLECTIVE CEILING PLAN

1/2" = 1'-0"



### **SUSPENDED CEILINGS:**

A. THE WIDTH OF THE PERIMETER SUPPORTING CLOSURE ANGLE OR CHANNEL SHALL BE NOT LESS THAN 2.0 IN. UNLESS QUALIFIED PERIMETER SUPPORTING CLIPS ARE USED.

(P) LEVEL 1 REFLECTIVE CEILING PLAN

B. CLOSURE ANGLES OR CHANNELS SHALL BE SCREWED OR OTHERWISE POSITIVELY ATTACHED TO WALL STUDS OR OTHER SUPPORTING STRUCTURES. PERIMETER SUPPORTING CLIPS SHALL BE QUALIFIED IN ACCORDANCE WITH APPROVED TEST CRITERIA PER SECTION 13.2.5.

C. PERIMETER SUPORTING CLIPS SHALL BE ATTACHED TO SUPPORTING CLOSURE ANGLE OR CHANNEL WITH A MINIMUM OF TWO SCREWS PER CLIP AND SHALL BE INSTALLED AROUND THE ENTIRE CEILING PERIMETER.

D. IN EACH ORTHOGONAL HORIZONTAL DIRECTION, ONE END OF THE CEILING GRID SHALL BE ATTACHED TO THE CLOSURE ANGLE, CHANNEL, OR PERIMETER SUPPORTING CLIP. THE OTHER END OF THE CEILING GRID IN EACH HORIZONTAL DIRECTION SHALL HAVE A MINIMUM 0.75 IN CLEARANCE FROM THE WALL AND SHALL REST UPON AND BE FREE TO SLIDE ON A CLOSURE ANGLE, CHANNEL, OR PERIMETER SUPPORTING CLIP.

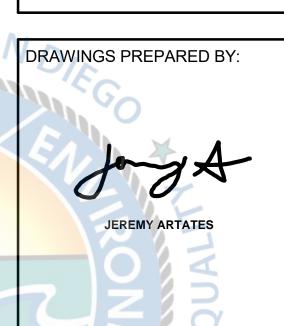
E. CEILING AREAS OVER 2500 FT2 MUST HAVE SEISMIC SEPARATION JOINTS OR FULL HEIGHT PARTIONS.

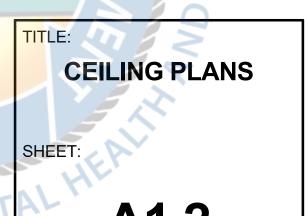
F. CEILINGS WITHOUT RIGID BRACING MUST HAVE 2" OVERSIZE TRIM RINGS FOR SPRINKLERS AND OTHER CEILING PENETRATIONS.



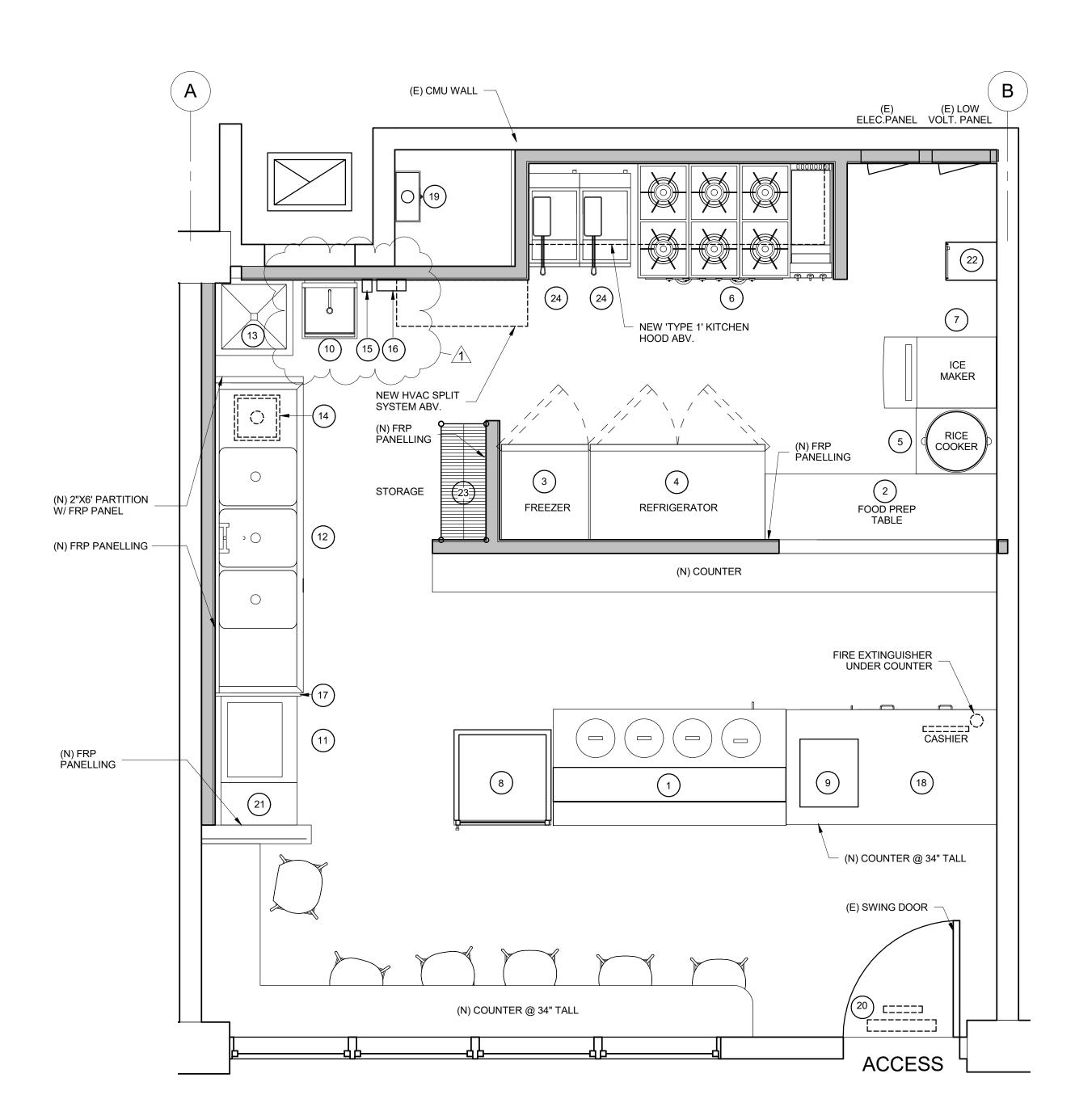
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(P) EQUIPMENT PLAN

1/2" = 1'-0"

### **EQUIPMENT SCHEDULE**

MARK	QTY	DESCRIPTION		ELECTR	ICAL		W	ATER	WASTE	INPUT	REMARKS	
			AMPS	HERTZ	VLTS	PHASE	COLD	НОТ	SIZE	BTUS		
1		(N) 60" HOT FOOD STATION BRAND: VOLLRATH MODEL: T39710-2	16	60	120	1					60W 24D 49H	
2		(N) REFRIGERATED PREP TABLE BRAND: BEVERAGE-AIR MODEL: SPE60HC-16	9.6	60	115	1					60W 29.25 D 41.1H	
3		(N) FREEZER BRAND: AVANTCO MODEL: SS-1F-HC 29"	2.62	60	115	1					29W 32.25D 82.5H	
4		(N) REFRIGERATOR BRAND: AVANTCO MODEL: SS-2R-HC 54"	6.08	60	115	1					NSF APPROVE	
5		(N) RICE COOKER BRAND: AVANTCO MODEL: 177RW90			120						NSF APPROVE	
6		(N) 6 BURNER 60" NATURAL GAS BRAND: COOKING PERFORMANCE GROUP MODEL: S60-GS24-N								276,000		
7		(N) ICE MACHINE 22" BRAND: AVANTCO MODEL: KMC-H-322-A	12	60	115		X					
8		(N) GLASS DOOR MERCHANDISER 29.5" BRAND: BEVERAGE AIR MODEL: MT23-1B	7	60	115							
9		(N) COUNTERTOP HEATED DISPLAY CASE BRAND: AVANTCO MODEL: HDC-36	13.6	60	120							
10		(N) WALL MOUNTED HAND SINK BRAND: REGENCY MODEL: 600HS12SP					X	X			9"X9"X4" COMPARTMENT NSF APPROVE	
(11)		(N) PREP SINK BRAND: REGENCY MODEL: 600S1181818XLFT					X	Х			18"X18"X14" COMPARTMENT INDIRECT DISCHARGE TO FLOOR SINK NSF APPROVE	
(12)		(N) THREE COMPARTMENT SINK BRAND: REGENCY MODEL: 600S3162018G					X	X			16"X20"X12" COMPARTMENT INDIRECT DISCHARGE TO FLOOR SINK NSF APPROVE	
(13)		(N) MOP SINK BRAND: FLORESTONE MODEL: MSR-2424					X	X			24"X24"X10" COMPARTMENT NSF APPROVE	
(14)		(N) FLOOR SINK BRAND: ZURN MODEL: Z1900									NSF APPROVE	
(15)		(N) SOAP DISPENSER BRAND: LAVEX MODEL: 712LSD40V									NSF APPROVE	
16		(N) TOWEL DISPENSER BRAND: LAVEX MODEL: 712LSD40V									NSF APPROVE	
17		(N) SPLASH GUARD MATERIAL: STAINLESS STEEL HEIGHT: 12"									NSF APPROVE	
(18)		(N) COUNTER CUSTOM MADE									2 DRY STORAGE UNDERSHELF 24X60 2 TIER NSF APPROVE	
(19)		MODEL: QUARTZ (N) WATER HEATER BRAND: NORITZ MODEL: NRC98						X		38,000	SEE SPEC SHEET ON THIS SHEET  NSF APPROVE	
(20)		MODEL: NRC98  (N) AIR CURTAIN BRAND: CURTRON MODEL: AP-2-36-1-SS		1/3	120	1					PROVIDED WITH AUTOMATIC DOOR PLUNGER SWI NSF APPROVE	ГСН
<u>(21)</u>		(N) DRAIN BOARD DIMENSIONS: 12X24X36									NSF APPROVE	
22)		(N) EMPLOYEE LOCKERS BRAND: GLOBAL INDUSTIRAL 4 DOOR MODEL: T9F493455GY									NSF APPROVE	
23)		MODEL: 19F493455GY  (N) WIRE RACK (14X36) BRAND: REGENCY MODEL: 460EB1848K85									2 DRY STORAGE UNDERSHELF 18X24 6 TIER NSF APPROVE	TOTAL DRY STORAGE: 48 LF
(24)		(N) DEEP FRYER BRAND: MAINSTREET EQUIPMENT								90,000	15.5"W X 30.25"D X 47 1/8"H	48 LF

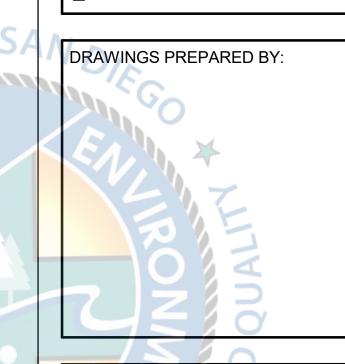
### FINISH SCHEDULE

LOCATION	FL	FLOOR	WALL			WALL			CEILING			CEILING E		SE	REMARKS
WATENC ADEA	SEALED CONCRETE	TILE	INTERIOR PAINT	WASHABLE PAINT	FRP PANEL FLOOR TO 5' HIGH MINIMUM	TILE FROM FLR TO CLNG 8' HIGH MIN.	CONCRETE CEILNG	T-BAR SUSP. CLNG WASHABLE PANELS	GYPSUM BOARD W WASHABLE PAINT	3/8" RADIUS MIN. SLIM FOOT 6"	VINYL 4" MIN	CONCRETE SEALER BRAN CONKRETE-SEAL MODEL: CK-128 VOC FREE NON TOXIC CLEAR SATIN			
WAITING AREA	X		X				X				X	USDA/FDA COMPLIANT, CHEMICAL RESISTANT, MILDEW RESISTANT, SEALER,			
DELIVERY AREA	X			X				X	X	X		WATERPROOF			
WASHING AREA	X				X			X		X					
PREPARATION AREA	X				X			X		X					
STORAGE AREA	X				X			X		X					
(E) ACCESSIBLE RESTROOMS	X				Х			Х		Х					



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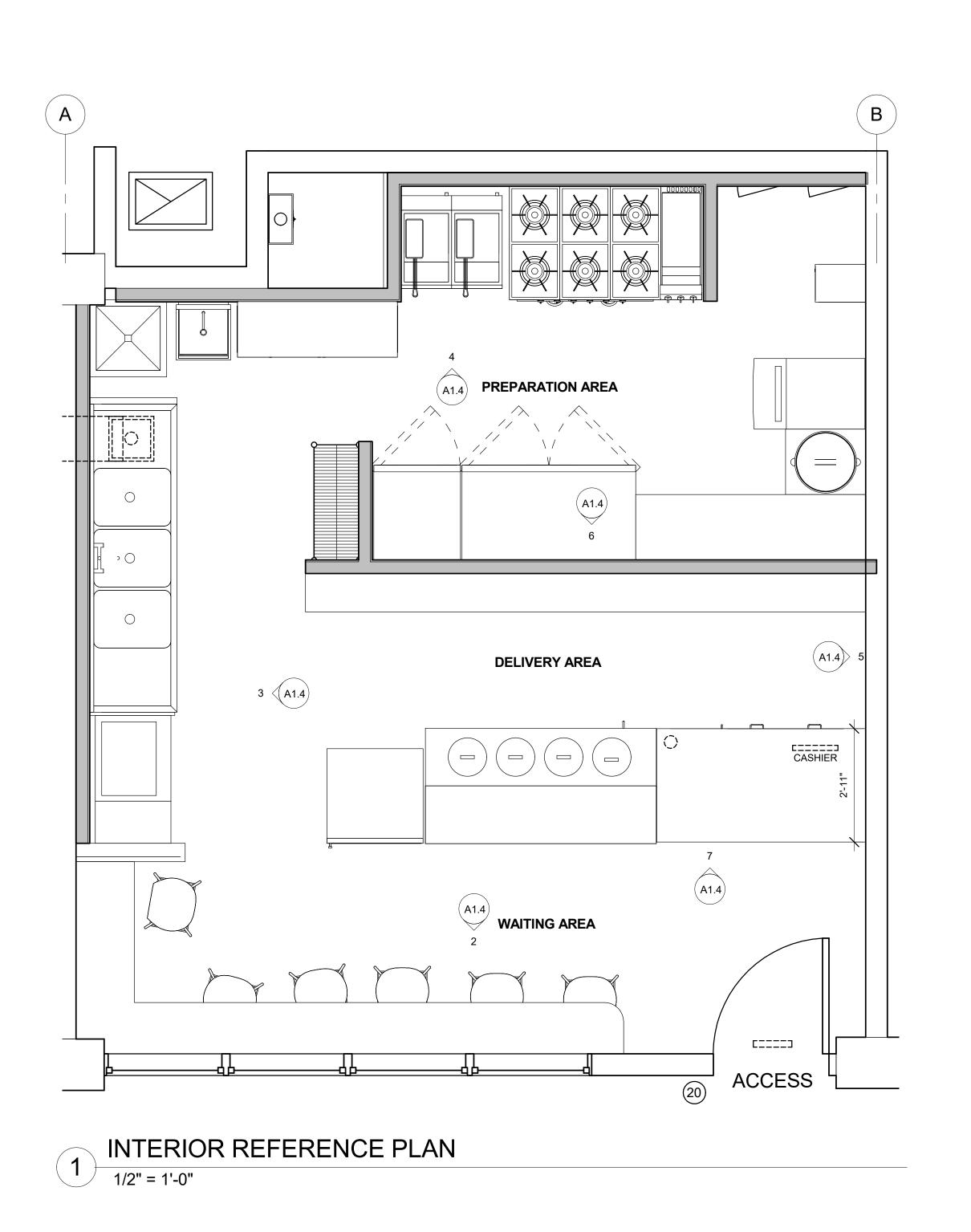
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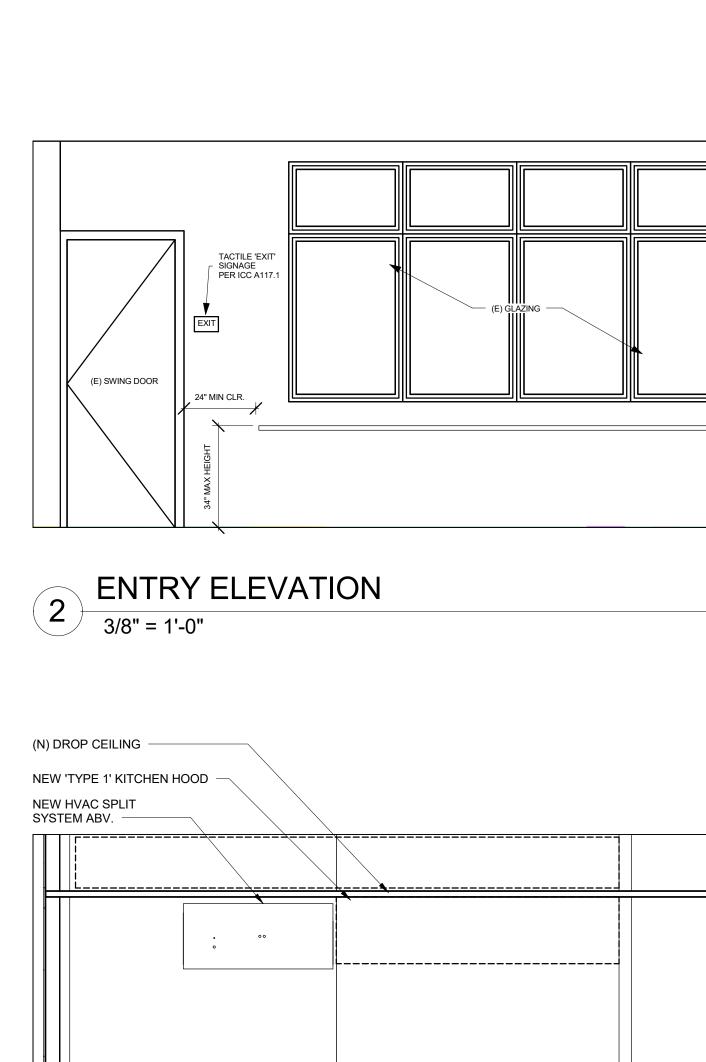


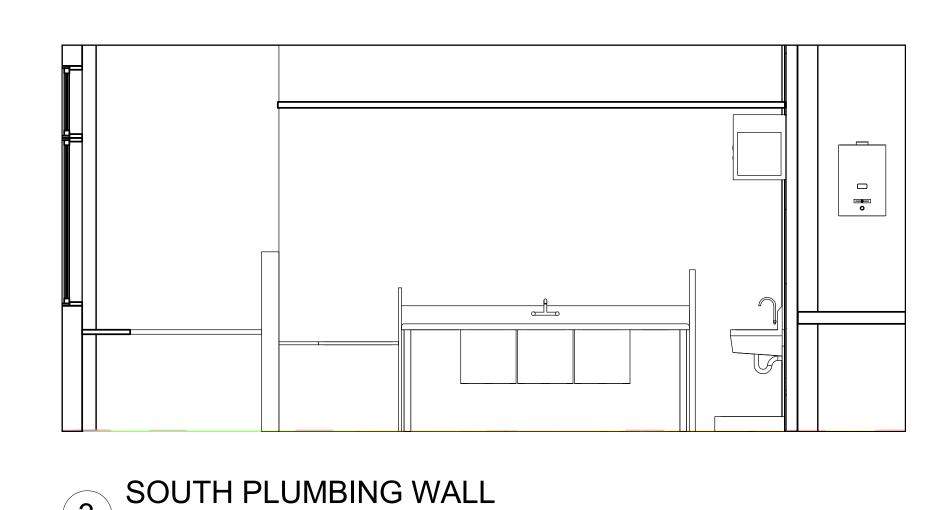
EQUIPMENT SCHEDULE
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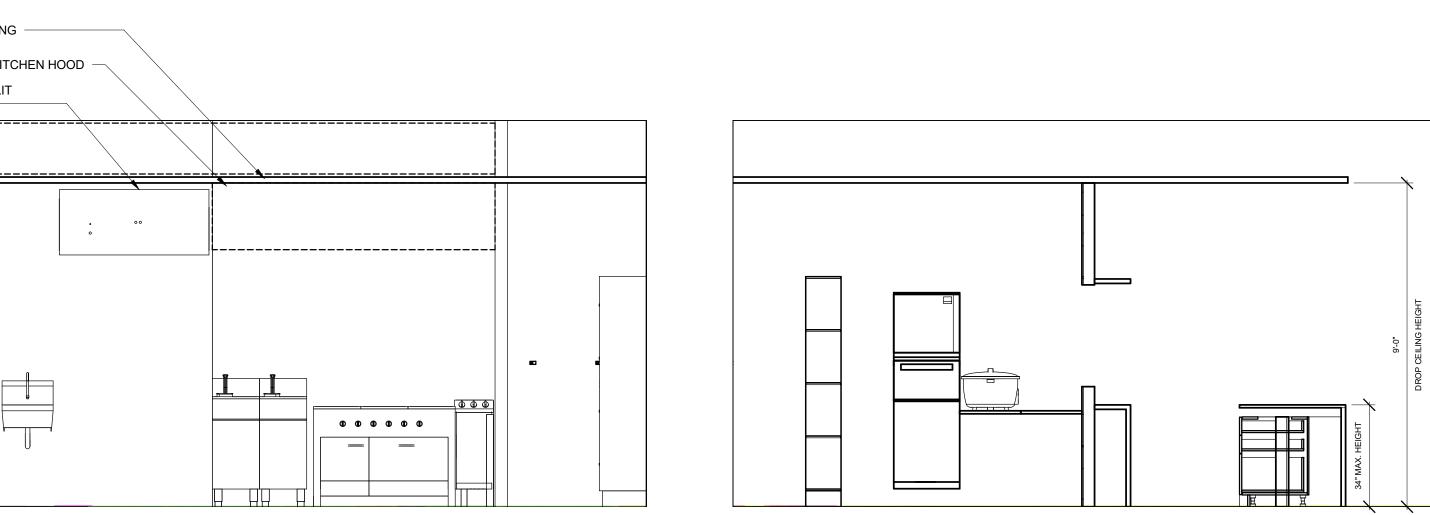
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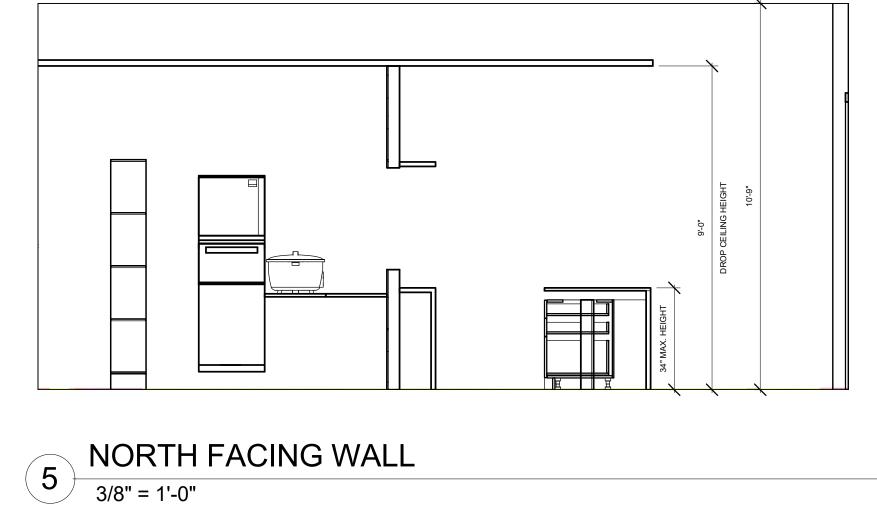
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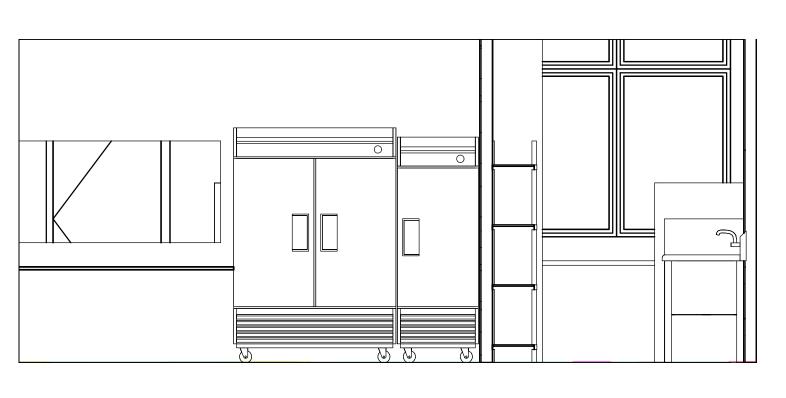






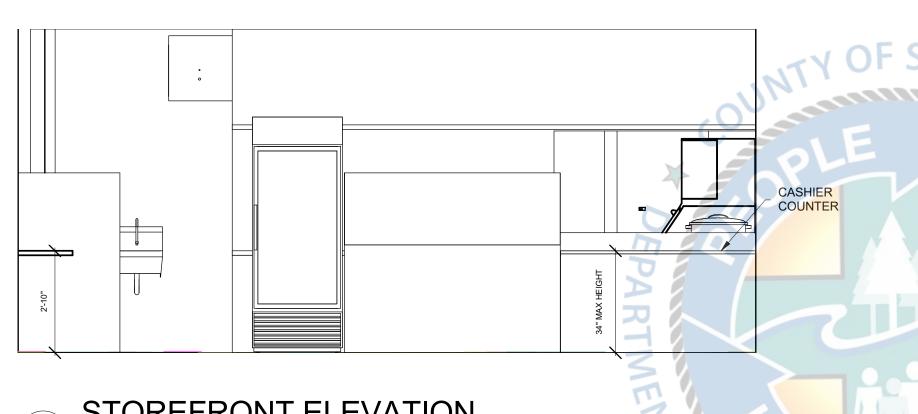








WEST COOKING WALL

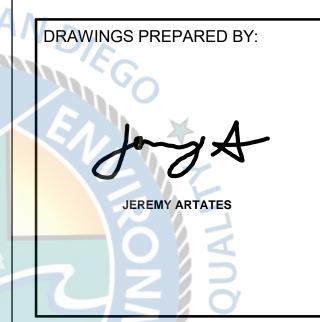


7	STOREFRONT	ELEVATION
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- 1. THE SEISMIC BRACING AND ANCHORAGE OF ELECTRICAL CONDUITS, BUS DUCT, WIREWAY, AND CABLE TRAY SHALL BE IN ACCORDANCE WITH THE 2019 CALIFORNIA ELECTRICAL CODE AND "GUIDELINE FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING PIPING SYSTEMS, "PUBLISHED BY SMACNA AND PPIC, OR THE SUPERSTRUT-SEISMIC RESTRAINT SYSTEM, OR THE KIN-LINE SEISMIC RESTRAINT SYSTEM. ELECTRICAL EQUIPMENT MUST BE SEISMIC-CERTIFIED AND ANCHORED ACCORDING TO EQUIPMENT MANUFACTURE'S INSTALLATION INSTRUCTIONS. [CEC 110.3(B), CBC 1613.1, ASCE 7, CHAPTER 13]
- 2. ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BE LISTED BY UNDERWRITER'S LABORATORIES (UL) AND BEAR THEIR LABEL, OR LISTED AND CERTIFIED BY A NATIONALLY RECOGNIZED TESTING AUTHORITY WHERE UL DOES NOT HAVE A LISTING. CUSTOM MADE EQUIPMENT SHALL HAVE A COMPLETE TEST DATA SUBMITTED BY THE MANUFACTURER ATTESTING TO ITS SAFETY. IN ADDITION, THE MATERIALS, EQUIPMENT, AND INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE FOLLOWING:
  - AMERICAN SOCIETY OF TESTING MATERIALS (ASTM)
    INSULATED POWER CABLE ENGINEERS ASSOCIATION (IPCEA)
    NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)
  - AMERICAN STANDARD ASSOCIATION (ASA)

    NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

    AMERICAN NATIONAL STANDARD INSTITUTE (ANSI)
  - AMERICAN NATIONAL STANDARD INSTITUTE (ANSI)
    2019 CALIFORNIA ELECTRICAL CODE (CEC), AS AMENDED BY THE 2019 CALIFORNIA ELECTRICAL CODE (CEC)
  - 2019 CALIFORNIA ENERGY CODE INSTITUTION OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE)
- ALL LOCAL CODES HAVE JURISDICTION.
- WHERE THE CODES HAVE DIFFERENT LEVELS OF REQUIREMENTS, THE MOST STRINGENT RULE SHALL APPLY.
- 3. THE CONTRACTOR SHALL VISIT THE SITE INCLUDING ALL AREAS INDICATED ON THE DRAWINGS. HE SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS, AND BY SUBMITTING A BID ACCEPTS THE CONDITIONS UNDER WHICH HE SHALL BE REQUIRED TO PERFORM HIS WORK.
- 4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COMPLETE SET OF CONTRACT DOCUMENTS, ADDENDA, DRAWINGS AND SPECIFICATIONS. HE SHALL CHECK THE DRAWINGS OF THE OTHER TRADES AND SHALL CAREFULLY READ THE ENTIRE SPECIFICATIONS AND DETERMINE HIS RESPONSIBILITIES. FAILURE TO DO SO SHALL NOT RELEASE THE CONTRACTOR FROM DOING THE WORK IN COMPLETE ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS.
- 5. ALL UTILITY WORK (POWER) SHALL BE IN COMPLIANCE WITH THESE DRAWINGS AND THE REQUIREMENTS OF THE SERVING UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE SERVING UTILITY TO RECEIVE COMPLETE INFORMATION ON THEIR REQUIREMENTS PRIOR TO THE SUBMISSION OF THE BID. THE ACT OF SUBMITTING THE BID SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO INSTALL SERVICE IN COMPLIANCE WITH THE SERVING UTILITY AND THE CONTRACT DOCUMENTS.
- 6. ALL ITEMS SUCH AS SERVICE CONDUIT, CONDUCTORS, DUCTS, CONCRETE PADS, TRANSFORMERS, RISERS, MANHOLES, PULL BOXES, AND PROTECTIVE COVERING FROM SERVICE LOCATION SHALL BE PROVIDED AND INSTALLED, AND SHALL BE VERIFIED WITH THE SERVING UTILITY COMPANY. THE CONTRACTOR SHALL INSTALL THE SERVICE IN COMPLIANCE WITH THE SERVING UTILITY COMPANY, AND SHALL PAY ALL CHARGES LEVIED BY THE SERVING UTILITY COMPANY FOR HIS SERVICE EXCEPT THE FIRST BILLING DEPOSIT. WHERE THE CONTRACT DOCUMENTS ARE MORE RESTRICTIVE, THE DOCUMENTS SHALL GOVERN.
- 7. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, FEES, CHARGES, AND INCIDENTAL COSTS NECESSARY FOR EXECUTION AND COMPLETION OF ELECTRICAL WORK, INCLUDING ALL CHARGES BY STATE, COUNTY AND LOCAL GOVERNMENTAL AGENCIES AND UTILITY COMPANY.
- 8. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AT THE SITE. ANY COSTS TO INSTALL WORK TO ACCOMPLISH SAID COORDINATION WHICH DIFFERS FROM THE WORK AS SHOWN ON THE DRAWINGS SHALL BE INCURRED BY THE CONTRACTOR. ANY DISCREPANCIES, AMBIGUITIES OR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE [ARCHITECT DURING BID TIME FOR CLARIFICATION. ANY SUCH CONFLICTS NOT CLARIFIED PRIOR TO BID SHALL BE SUBJECT TO THE INTERPRETATION OF THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
- 9. THE CONTRACTOR SHALL PROVIDE AND KEEP UP-TO-DATE A COMPLETE RECORD SET OF DRAWINGS. THESE PRINTS SHALL BE CORRECTED DAILY AND SHOW EVERY CHANGE FROM THE ORIGINAL DRAWINGS. THIS SET OF DRAWINGS SHALL BE KEPT ON THE JOB SITE AND SHALL BE USED ONLY AS A RECORD SET. THIS SHALL NOT BE CONSTRUED AS AUTHORIZATION FOR THE CONTRACTOR TO MAKE CHANGES IN THE LAYOUT WITHOUT DEFINITE INSTRUCTION IN EACH CASE. UPON COMPLETION OF THE WORK, A SET OF REPRODUCIBLE CONTRACT DRAWINGS SHALL BE OBTAINED FROM THE ARCHITECT, AND ALL CHANGES AS NOTED ON THE RECORD SET OF DRAWINGS SHALL BE INCORPORATED THEREON WITH BLACK INK IN A NEAT, LEGIBLE, UNDERSTANDABLE AND PROFESSIONAL MANNER. FAILURE TO KEEP RECORD DRAWINGS UP-TO-DATE SHALL CONSTITUTE CAUSE FOR WITHHOLDING OF PROGRESS PAYMENTS.
- 10. IN SOME INSTANCES, IT MAY BE NECESSARY TO DEFER WORK IN CERTAIN AREAS AND LOCATIONS UNTIL SUCH TIME AS EXISTING FACILITIES CAN BE TEMPORARILY OR PERMANENTLY REARRANGED BY THE OWNER. THEREFORE, WHENEVER IT BECOMES NECESSARY FOR THE CONTRACTOR TO PERFORM WORK UNDER THIS CONTRACT IN EXISTING AREAS IN WHICH THE OWNER'S WORK IS BEING PERFORMED, THE CONTRACTOR SHALL ADVISE THE ARCHITECT AND THE OWNER RELATIVE TO THIS REQUIREMENT AND SHALL FOLLOW CLOSELY THE DIRECTIVE ISSUED BY THE ARCHITECT INSOFAR AS TIME AND PROCEDURE ARE CONCERNED. THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL PREMIUM TIME TO WHICH HE MAY BE SUBJECTED FOR PERFORMING WORK IN SUCH PROCEDURE AND AT SUCH TIMES AS MAY BE NECESSARY TO CAUSE THE LEAST INTERFERENCE WITH THE OPERATIONS OF THE OWNER.
- 11. ALL INTERRUPTION OF ELECTRICAL POWER SHALL BE KEPT TO A MINIMUM. HOWEVER, WHEN AN INTERRUPTION IS NECESSARY, THE SHUTDOWN MUST BE COORDINATED WITH THE OWNER AND ARCHITECT 14 CALENDAR DAYS PRIOR TO THE OUTAGE. ANY OVERTIME PAY SHALL BE INCLUDED IN THE CONTRACTOR'S BID. WORK IN EXISTING SWITCHBOARDS OR PANELBOARDS SHALL BE COORDINATED WITH THE OWNER PRIOR TO REMOVING ACCESS PANELS OR DOORS.
- 12. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE TEMPORARY POWER FACILITIES AND CONNECTIONS FOR ALL FEEDERS OR SYSTEMS BEING DISCONNECTED IN ORDER TO MAINTAIN SYSTEMS IN OPERATION OR WHERE SAID FEEDERS OR SYSTEMS REQUIRE EMERGENCY STANDBY POWER.
- 13. SHOP DRAWINGS SHALL BE SUBMITTED WITHIN THIRTY DAYS AFTER AWARD OF THE CONTRACT. THE CONTRACTOR SHALL SUBMIT FIVE COPIES OF A COMPLETE LIST OF MATERIALS AND EQUIPMENT INCLUDING MANUFACTURER AND MODEL NUMBER PROPOSED FOR THE JOB. SHOP DRAWINGS SHALL INCLUDE JOB DESCRIPTION, ARCHITECT AND ENGINEER IDENTIFICATION, AND ALL DATA WITH CAPACITIES, SIZES, DIMENSIONS, CATALOG NUMBERS, AND MANUFACTURER'S BROCHURES. SHOP DRAWINGS SHAIL BE SUBMITTED FOR ITEMS LISTED IN SPECIFICATIONS. PARTIAL, INCOMPLETE, OR UNBOUND SUBMITTALS WILL BE RETURNED WITHOUT REVIEW. CONTRACTOR SHALL SUBMIT A SCHEDULE OF ALL SHOP DRAWINGS AND SUBMITTALS WHICH ARE TO BE REVIEWED WITHIN FIFTEEN CALENDAR DAYS OF CONTRACT AWARD.
- 14. AFTER ALL REQUIREMENTS OF THE SPECIFICATIONS AND/OR THE DRAWINGS HAVE BEEN FULLY COMPLETED, REPRESENTATIVES OF THE OWNER WILL INSPECT THE WORK. THE CONTRACTOR SHALL PROVIDE COMPETENT PERSONNEL TO DEMONSTRATE THE OPERATION OF ANY ITEM OR SYSTEM TO THE FULL SATISFACTION OF EACH REPRESENTATIVE. FINAL ACCEPTANCE OF THE WORK WILL BE MADE BY THE OWNER AFTER RECEIPT OF APPROVAL AND RECOMMENDATION OF ACCEPTANCE FROM EACH REPRESENTATIVE.
- 15. THE CONTRACTOR SHALL FURNISH A ONE YEAR WRITTEN GUARANTEE OF MATERIALS AND WORKMANSHIP FROM THE DATE OF SUBSTANTIAL COMPLETION.
- 16. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW AND TO COORDINATE WITH THE MECHANICAL, FIRE PROTECTION AND PLUMBING DRAWINGS FOR DUCTS, LINES AND EQUIPMENT.
- 17. ALL EQUIPMENT MOUNTED ON ROOF FOR CONNECTION OF HVAC EQUIPMENT SHALL BE MOUNTED ON UNISTRUT STANDS UTILIZING APPROVED PITCH POCKETS, FLASHING, ETC.
- 18. ALL FINAL CONNECTIONS TO OWNER FURNISHED EQUIPMENT SHALL BE MADE BY THE CONTRACTOR.
- 19. COORDINATE WITH OTHER TRADES AS TO THE EXACT LOCATION OF THEIR RESPECTIVE EQUIPMENT. SUPPLY POWER AND MAKE CONNECTION TO MOTORS AND EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS AS INDICATED ON THE SINGLE LINE DIAGRAM, ELECTRICAL DRAWINGS, AND DRAWINGS OF OTHER TRADES. REVIEW THE DRAWINGS OF OTHER TRADES FOR CONTROL DIAGRAMS, SIZE AND LOCATION OF EQUIPMENT. DISCONNECT SWITCHES, STARTERS, WIRING, CONTROLS, AND CONDUIT FOR MECHANICAL AND PLUMBING OPERATIONS SHALL BE PROVIDED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING MANUFACTURER'S SHOP DRAWINGS PRIOR TO ROUGHING IN ALL CONDUIT TO THIS EQUIPMENT.
- 20. EXACT METHOD AND LOCATION OF CONDUIT PENETRATION AND OPENINGS IN CONCRETE WALLS OR FLOORS OR STRUCTURAL STEEL MEMBERS SHALL BE AS DIRECTED BY THE STRUCTURAL ENGINEER. PERFORM CORING, SAWCUTTING, PATCHING, AND REFINISHING OF EXISTING WALLS AND SURFACES WHEREVER IT IS NECESSARY TO PENETRATE. OPENINGS SHALL BE SEALED IN AN APPROVED METHOD TO MEET THE FIRE RATING OF THE PARTICULAR WALL, FLOOR OR CEILING. EXACT METHOD AND LOCATIONS OF CONDUIT PENETRATIONS AND OPENINGS IN CONCRETE WALLS OR FLOORS SHALL BE UL APPROVED.
- 21. CONNECTIONS TO VIBRATING EQUIPMENT AND SEISMIC SEPARATIONS:
  LIQUID-TIGHT FLEXIBLE STEEL CONDUIT IN DRY INTERIOR LOCATIONS.
  LIQUID TIGHT FLEXIBLE STEEL CONDUIT IN AREAS EXPOSED TO WEATHER,
  DAMP LOCATIONS, CONNECTIONS TO TRANSFORMER ENCLOSURES AND FINAL CONNECTIONS TO
  MOTORS.
- PROVIDE SEPARATE INSULATED EQUIPMENT GROUNDING CONDUCTOR IN FLEXIBLE CONDUIT RUNS.

  MAXIMUM LENGTH SHALL BE SIX FEET UNLESS OTHERWISE NOTED.

- 22. EQUIPMENT OUTLETS, LIGHTING FIXTURES, CONDUIT, WIRE, AND CONNECTION METHODS IN HVAC AIR-PLENUMS SHALL BE APPROVED FOR USE IN PLENUMS AND SHALL CONFORM TO THE APPLICABLE LOCAL CODE.
- 23. ROUTE EXPOSED CONDUIT AND CONDUIT ABOVE ACCESSIBLE CEILING SPACES PARALLEL AND PERPENDICULAR TO WALLS AND ADJACENT PIPING. ARRANGE CONDUIT TO MAINTAIN HEADROOM AND TO PRESENT A NEAT APPEARANCE.
- 24. CONDUIT SHALL NOT BE INSTALLED IN ANY FLOOR SLAB. CONDUIT SHALL BE INSTALLED CONCEALED IN THE CEILING SPACE, CONCEALED IN WALLS, OR 18" BELOW BOTTOM SLAB ON GRADE UNLESS NOTED OTHERWISE.
- 25. THE CONTRACTOR SHALL STRATEGICALLY LOCATE BOXES, ETC., IN AN ACCESSIBLE CEILING SPACE OR PROVIDE AN ACCESS PANEL FOR INACCESSIBLE CEILING SYSTEMS.
- 26. COORDINATE REQUIRED ACCESS DOORS IN NON-ACCESSIBLE CEILINGS TO SUIT FIELD CONDITIONS. THE EXACT SIZES AND PHYSICAL LOCATIONS SHALL SUIT ACCESSIBILITY AND CONSTRUCTION CONDITIONS. ACCESS DOORS SHALL BE PROVIDED IN OTHER SECTIONS OF THE SPECIFICATIONS. ACCESS DOORS SHALL HAVE A FIRE RATING EQUAL TO THE CEILING ASSEMBLY IN WHICH THEY ARE INSTALLED.
- 27. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAWCUTTING, TRENCHING, BACKFILLING, COMPACTION AND PATCHING OF CONCRETE AND ASPHALT AS REQUIRED TO PERFORM HIS WORK. ATTENTION IS CALLED TO THE FACT THAT THERE ARE EXISTING UNDERGROUND UTILITY LINES. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN TRENCHING FOR HIS WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER AND APPROVED REPAIR OF ANY AND ALL DAMAGES CAUSED BY HIM OR HIS WORK.
- 28. WHENEVER A DISCREPANCY IN QUANTITY OR SIZE OF CONDUIT, WIRE, EQUIPMENT DEVICES, CIRCUIT BREAKERS, GROUND FAULT PROTECTION SYSTEMS, ETC. (ALL MATERIALS), ARISES ON THE DRAWINGS OR SPECIFICATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL MATERIAL AND SERVICES REQUIRED BY THE STRICTEST CONDITIONS NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS TO ENSURE COMPLETE AND OPERABLE SYSTEMS AS REQUIRED BY THE OWNER AND ARCHITECT/ENGINEER.
- 29. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY TYPE OF CEILING SYSTEMS AND TO FURNISH APPROVED LIGHTING FIXTURES OF THE TYPE REQUIRED FOR MOUNTING IN SUBJECT CEILING. WHERE FIXTURES ARE RECESSED IN PLASTER OR DRYWALL CEILINGS, THEY SHALL BE COMPLETE WITH NECESSARY MOUNTING HARDWARE AND PLASTER FRAMES.
- 30. ALL RECESSED LIGHTING FIXTURES, SPEAKERS, RECEPTACLES, SWITCHES, ETC., MOUNTED IN THE FIRE RATED CEILINGS OR WALLS SHALL BE ENCLOSED WITH AN APPROVED ENCLOSURE CARRYING THE SAME FIRE RATING AS THE CEILING OR WALL.
- 31. UTILITY PENETRATIONS OF ANY KIND IN FIRE AND SMOKE PARTITIONS AND CEILING ASSEMBLIES, SHALL BE FIRESTOPPED AND SEALED WITH AN APPROVED MATERIAL SECURELY INSTALLED.

STEEL ELECTRICAL OUTLET BOXES WHICH DO NOT EXCEED 16 SQUARE INCHES IN AREA, NEED NOT BE PROTECTED IN ONE HOUR OR TWO HOUR FIRE RATED WALLS, PARTITIONS, CEILINGS, OR AREA SEPARATION UNLESS THEY:

- OCCUR ON OPPOSITE SIDES OF THE WALL WITHIN 24 INCH HORIZONTAL DISTANCE OF ONE ANOTHER. IN THIS CASE, ONLY ONE OUTLET BOX NEED TO PROTECTED BY AN APPROVED FIRESTOP MATERIAL OR DETAIL TO CORRECT THIS CONDITION.
- OCCUR IN COMBINATION WITH OUTLET BOXES OF ANY SIZE SUCH THAT THE AGGREGATE AREA OF UNPROTECTED OUTLET BOXES EXCEEDS 100 SQUARE INCHES IN ANY 100 SQUARE FEET OF WALL AREA. IN THIS CASE, ONLY A SUFFICIENT NUMBER OF OUTLET BOXES NEED BE PROTECTED BY AN APPROVED MATERIAL OR DETAIL TO DECREASE THE AGGREGATE AREA OF UNPROTECTED UTILITY BOXES TO LESS THAN 100 SQUARE INCHES IN ANY 100 SQUARE FEET OF WALL

STEEL ELECTRICAL OUTLET BOXES WHICH EXCEED 16 SQUARE INCHES IN AREA, AND ALL OTHER STEEL UTILITY OUTLET BOXES REGARDLESS OF SIZE, SHALL BE PROTECTED BY AN APPROVED FIRESTOP MATERIAL AS LISTED OR EQUAL.

FIRESTOPPING MATERIAL:

MPP-1 MOLDABLE PUTTY PADS 3M CONTRACTOR PRODUCTS MINNEAPOLIS, MN

FSP FIRESTOP PUTTY PADS HEVI-DUTY NELSON PRODUCTS TULSA, OK

FLAMESAFE FSP 1077 FIRESTOP PADS INTERNATIONAL PROTECTIVE COATINGS OAKHURST, NJ

STEEL UTILITY BOXES WHICH EXCEED 100 SQUARE INCHES IN AREA SHALL BE PROTECTED BY ENCASEMENT.

UTILITY AND ELECTRICAL OUTLETS OR BOXES SHALL BE SECURELY FASTENED TO THE STUD OF FRAMING OF THE WALL, PARTITION OR CEILING ASSEMBLY. THE OPENING IN THE GYPSUM BOARD FACING SHALL BE CUT SO THAT THE CLEARANCE BETWEEN THE BOX AND THE GYPSUM BOARD DOES NOT EXCEED 1/8 INCH. IN SMOKE WALLS OR PARTITIONS, THE 1/8 INCH CLEARANCE SHALL BE FILLED WITH AN APPROVED FIRE-RATED SEALANT.

- 32. ARCHITECTURAL REFLECTED CEILING PLANS INDICATING THE LOCATION OF LIGHTING FIXTURES SHALL TAKE PRECEDENCE OVER THE LOCATIONS OF SAME SHOWN ON THE ELECTRICAL DRAWINGS. INSTALL THE LIGHTING FIXTURES IN ANY GIVEN AREA TO AGREE WITH THE REFLECTED CEILING PLANS. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
- 33. THE EXACT LOCATIONS AND MOUNTING HEIGHTS OF LIGHTING FIXTURES LOCATED IN MECHANICAL EQUIPMENT SPACES AND PENTHOUSES SHALL BE COORDINATED IN THE FIELD BEFORE INSTALLATION TO AVOID INTERFERENCE WITH DUCTS, PIPING, AND OTHER MECHANICAL EQUIPMENT. WHEN LOCATIONS AND MOUNTING HEIGHTS ARE DETERMINED, OBTAIN APPROVAL FROM THE ARCHITECT.

34. LIGHT FIXTURE SUPPORT:

SUSPENDED ACOUSTICAL CEILINGS:

HEAVY DUTY GRID SYSTEM: FLUSH OR RECESSED LIGHT FIXTURES WEIGHING LESS THAN 56 POUNDS MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM. IN ADDITION, THEY SHALL HAVE A MINIMUM OF TWO 12 GAUGE SLACK SAFETY WIRES ATTACHED TO THE FIXTURE AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE. ALL 4 FOOT BY 4 FOOT LIGHT FIXTURES SHALL HAVE SLACK SAFETY WIRES AT EACH CORNER.

ALL FLUSH OR RECESSED LIGHT FIXTURES WEIGHING 56 POUNDS OR MORE SHALL BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN FOUR TAUT 12 GAUGE WIRES EACH ATTACHED TO THE FIXTURE AND TO THE STRUCTURE ABOVE REGARDLESS OF THE TYPE OF CEILING GRID SYSTEM USED. THE FOUR TAUT 12 GAUGES WIRES INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE SHALL BE CAPABLE OF SUPPORTING FOUR TIMES THE WEIGHT OF THE UNIT.

INTERMEDIATE DUTY GRID SYSTEM: ALL FIXTURES SUPPORTED ON INTERMEDIATE DUTY GRID SYSTEMS SHALL BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN FOUR TAUT 12 GAUGE WIRES EACH ATTACHED TO THE FIXTURE AND TO THE STRUCTURE ABOVE.

SURFACE MOUNTED FIXTURES: SUPPORT SURFACE MOUNTED LIGHT FIXTURES BY AT LEAST TWO POSITIVE DEVICES WHICH SURROUND THE CEILING RUNNER AND WHICH ARE EACH SUPPORTED FROM THE STRUCTURE ABOVE BY A 12 GAUGE WIRE. SPRING CLIPS OR CLAMPS THAT CONNECT ONLY TO THE RUNNER ARE NOT ACCEPTABLE. PROVIDE ADDITIONAL SUPPORTS WHEN LIGHT FIXTURES ARE EIGHT FEET OR LONGER.

PENDANT MOUNTED FIXTURES: SUPPORT PENDANT MOUNTED LIGHT FIXTURES DIRECTLY FROM THE STRUCTURE ABOVE WITH HANGER WIRES OR CABLES PASSING THROUGH EACH PENDANT HANGER, AND CAPABLE OF SUPPORTING FOUR TIMES THE WEIGHT OF THE FIXTURE.

SUSPENDED DRYWALL CEILINGS:

**GENERAL NOTES (AS APPLICABLE)** 

ALL RECESSED OR DROP-IN LIGHT FIXTURES SHALL BE SUPPORTED DIRECTLY BY MAIN RUNNERS OR BY SUPPLEMENTAL FRAMING WHICH IS SUPPORTED BY MAIN RUNNERS. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE CEILING CONTRACTOR TO PROVIDE APPROPRIATE FRAMING AND LOCATION FOR FIXTURES.

SURFACE MOUNTED FIXTURES SHALL BE ATTACHED TO A MAIN RUNNER WITH A POSITIVE CLAMPING DEVICE MADE OF MATERIAL WITH A MINIMUM OF 14 GAUGE. ROTATIONAL SPRING CATCHES SHALL NOT BE ALLOWED.

EXISTING CEILING FIXTURES REMOVED TO ACCOMPLISH THE WORK SHALL BE REINSTALLED AS FOR NEW WORK.

35. REFER TO SINGLE LINE DIAGRAM AND FEEDER SCHEDULES FOR CONDUIT AND CONDUCTOR SIZE TO PANELS, TRANSFORMERS, MECHANICAL AND PLUMBING EQUIPMENT, ETC. CONDUIT RUNS MAY NOT BE SHOWN ON DRAWINGS, BUT ARE PART OF THIS CONTRACT

36. STRAIGHT FEEDER, BRANCH CIRCUIT, AND CONDUIT RUNS SHALL BE PROVIDED WITH SUFFICIENT PULL BOXES OR JUNCTION BOXES TO LIMIT THE MAXIMUM LENGTH OF ANY SINGLE CABLE PULL TO 100 FEET. PULL BOXES SHALL BE SIZED PER CODE OR AS INDICATED ON DRAWINGS. LOCATIONS SHALL BE DETERMINED IN THE FIELD OR AS INDICATED ON THE DRAWINGS.

37. MAXIMUM NUMBER OF CONDUCTORS IN OUTLET OR JUNCTION BOXES SHALL CONFORM TO THE 2019 CALIFORNIA ELECTRICAL CODE, ARTICLE 314.16(A) BUT IN NO CASE SHALL CONTAIN MORE THAN THE FOLLOWING NUMBER OF #12 AWG CONDUCTORS FOR THE SIZE OF BOX INDICATED. THE MINIMUM SIZE OUTLET OR JUNCTION BOX PERMITTED IN A WALL IS FOUR INCHES SQUARE BY 1-1/2 INCHES DEEP.

 SQ. BY 1-1/2'D
 =
 9
 CONDUCTORS

 SQ. BY 2-1/8" D
 =
 13
 CONDUCTORS

 SQ. BY 1-1/2" D
 =
 11
 CONDUCTORS

 SQ. BY 2-1/8" D
 =
 18
 CONDUCTORS

ALL OUTLET BOXES CONTAINING MORE THAN ONE DEVICE SHALL BE GANGED. TWO DEVICES DOUBLE GANGED, MINIMUM.

38. WHERE MULTI-HOMERUNS ARE INDICATED ON DRAWINGS INDICATING THE SAME PANELBOARD CIRCUIT NUMBER, PROVIDE JUNCTION BOX ABOVE ACCESSIBLE CEILING AND ROUTE ONE SET OF WIRES TO CIRCUIT BREAKERS.

39. THE NUMERALS SHOWN AT TOP OF LIGHT FIXTURE IDENTIFICATION SYMBOLS INDICATING THE NUMBER OF LIGHT FIXTURES REQUIRED SHALL NOT BE USED BY THE CONTRACTOR FOR HIS QUANTITY TAKE-OFF AT BIDDING, NOR FOR DETERMINATION OF HOW MANY FIXTURES WILL BE INSTALLED. THE CONTRACTOR SHALL INSTALL A LIGHT FIXTURE WHEREVER A FIXTURE OUTLET IS SHOWN ON THE DRAWINGS.

40. RECESSED PANELS AND CABINETS SHALL HAVE FIVE SPARE 3/4 INCH CONDUITS STUBBED UP INTO AN ACCESSIBLE CEILING SPACE AND CAPPED UNLESS OTHERWISE NOTED.

41. IDENTIFICATION NAMEPLATES SHALL BE MICARTA 1/8 INCH THICK AND OF APPROVED SIZE WITH BEVELED EDGES AND ENGRAVED WHITE LETTERS A MINIMUM OF 1/4 INCH HIGH ON BLACK BACKGROUND. NAMEPLATES SHALL BE PROVIDED FOR ALL CIRCUITS IN THE SERVICE DISTRIBUTION AND POWER DISTRIBUTION SWITCHBOARDS OR PANELBOARDS, MOTOR CONTROL CENTERS, LIGHTING DISTRIBUTION PANELBOARDS, SEPARATELY MOUNTED STARTING SWITCHES, DISCONNECTING SWITCHES, MOTOR CONTROL PUSHBUTTON STATIONS, SELECTOR SWITCHES, TRANSFORMERS, TERMINAL CABINETS, TELEPHONE CABINETS, ETC. ALL NAMEPLATES SHALL BE ATTACHED WITH SCREWS. PULL BOXES, JUNCTION BOXES, AND DEVICE BOXES SHALL BE MARKED WITH A PERMANENT MARKER.

42. THE EXACT LOCATION OF ALL ELECTRICAL DEVICES AND EQUIPMENT SHALL BE COORDINATED WITH THE ARCHITECTURAL ELEVATIONS, DETAILS, OR SECTIONS PRIOR TO INSTALLATION. ALL ELECTRICAL DEVICES AND EQUIPMENT SHALL BE RECESSED IN WALLS UNLESS OTHERWISE NOTED. OUTLETS NOT INDICATED ON ARCHITECTURAL ELEVATIONS SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO ROUGH-IN. UNLESS OTHERWISE NOTED, MOUNT ELECTRICAL DEVICES AT THE FOLLOWING HEIGHTS:

WALL SWITCH
CONVENIENCE RECEPTACLE
TELEPHONE/DATA OUTLETS
OUTLETS AT COUNTERS

+4'-0" SET VERTICALLY TO TOP OF OUTLET BOX
+1'-6" SET VERTICALLY TO CENTER OF DEVICE
+1'-6" SET VERTICALLY TO CENTER OF DEVICE
+6" ABOVE COUNTERS WITHOUT
SPLASHES OR CENTERED IN
SPLASH SET HORIZONTALLY

GENERAL USE ELECTRICAL RECEPTACLE, SWITCH AND CONTROL OUTLETS SHALL BE LOCATED NO MORE THAN 48 INCHES TO THE TOP OF THE OUTLET BOX NOR LESS THAN 15 INCHES TO THE BOTTOM OF THE OUTLET BOX ABOVE THE FINISHED FLOOR. [CBC 11B-308.1, 11B-308.2]

REVIEW ARCHITECTURAL ELEVATIONS OF CASEWORK. OUTLETS MOUNTED ABOVE OR BELOW, OR ADJACENT TO CASEWORK SHALL BE COORDINATED WITH THE ARCHITECTURAL DRAWINGS, PRIOR TO FINAL ROUGH-IN. ELECTRICAL DRAWINGS SHALL GOVERN NUMBER AND TYPE OF OUTLETS. HOWEVER, LOCATIONS SHALL BE AS INDICATED ON ARCHITECTURAL ELEVATIONS. PROVIDE CONDUIT, WIRES, AND OUTLETS FOR WORK REQUIRED IN CASEWORK INSTALLATIONS. REFERENCE ARCHITECTURAL DETAILS FOR METHOD OF ROUTING CONDUIT WITHIN CASEWORK CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CUT-OUTS IN TILE OR COUNTER SPLASHES WHERE RECEPTACLES, OUTLETS, ETC., OCCUR. PROVIDE BOX EXTENSIONS THROUGH ALL CASEWORK. FINISH FLUSH WITH FACE OF SPLASH, CABINET, ETC.

MOUNTING HEIGHTS OF ALL DEVICES AND EQUIPMENT ARE FROM FINISHED FLOOR TO CENTER OF DEVICES AND EQUIPMENT UNLESS OTHERWISE NOTED. BOXES INSTALLED IN LOCATIONS NOT APPROVED BY THE ARCHITECT SHALL BE RELOCATED AS DIRECTED BY THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.

43. DRAWINGS ARE DIAGRAMMATIC ONLY. ROUTING OF RACEWAYS SHALL BE AT THE OPTION OF THE CONTRACTOR UNLESS OTHERWISE NOTED AND SHALL BE COORDINATED WITH OTHER SECTIONS. DO NOT SCALE THE ELECTRICAL DRAWINGS FOR LOCATIONS OF ANY ELECTRICAL, ARCHITECTURAL, STRUCTURAL, CIVIL, OR MECHANICAL ITEMS OR FEATURES.

- 44. THE EQUIPMENT GROUNDING CONDUCTOR WHETHER SHOWN OR NOT ON CONDUIT RUNS SHALL RUN CONTINUOUS FROM PANEL TO LAST OUTLET. THIS WIRE SHALL BE PIGTAILED IN EACH OUTLET FOR CONNECTION TO BOX AND DEVICE SO THAT IF DEVICE IS REMOVED, GROUND WILL NOT BE INTERRUPTED. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL BE INSULATED GREEN CONDUCTORS ALTERNATE METHODS OF IDENTIFICATION SHALL NOT BE USED. CONTRACTOR SHALL NOTIFY ELECTRICAL ENGINEER TO EXAMINE CONDUCTOR INSTALLATION PRIOR TO INSTALLATION OF DEVICES.
- 45. REFERENCE ARCHITECTURE AND STRUCTURAL DRAWINGS FOR HOUSEKEEPING PADS.
- 46. FURNISH AND INSTALL POWER DISTRIBUTION PANELBOARDS AS INDICATED ON THE DRAWINGS. PANELBOARDS SHALL COMPLY WITH NEMA STANDARD FOR PANELBOARDS AND FEDERAL SPECIFICATION W-P-115A. PANELBOARDS SHALL BE COMPLETE WITH COPPER BUS BARS AND 40 DEGREE CELSIUS THERMAL MAGNETIC BOLT-ON TYPE CIRCUIT BREAKERS AS INDICATED ON DRAWINGS. PANELBOARDS SHALL BE SQUARE D OR EQUAL BY SIEMENS, ITE, WESTINGHOUSE, OR GENERAL ELECTRIC.
- 47. RECEPTACLES SHALL BE SPECIFICATION GRADE, 20 AMP, NEMA 5-20R GROUNDING TYPE HUBBELL #8300, OR EQUAL BY PASS & SEYMOUR OR GENERAL ELECTRIC. COLOR SHALL BE SELECTED BY ARCHITECT.
- 48. SWITCHES SHALL BE 20 AMP, 120/277 VOLT RATED SILENT TYPE SPECIFICATION GRADE HUBBELL OR EQUAL BY PASS & SEYMOUR OR GENERAL ELECTRIC. COLOR SHALL BE SELECTED BY ARCHITECT.
- 49. DEVICE PLATES SHALL BE NYLON FOR THE NUMBER OF GANGS AND TYPE OF OPENINGS NECESSARY, HUBBELL OR EQUAL BY PASS & SEYMOUR OR GENERAL ELECTRIC. COLOR SHALL BE SELECTED BY ARCHITECT. PLATES SHALL BE ENGRAVED WITH PANEL AND CIRCUIT NUMBER.
- 50. RIGID GALVANIZED STEEL CONDUIT SHALL BE FULL WEIGHT TREADED TYPE ALUMINUM OR STEEL. ELECTRICAL METALLIC TUBING (EMT) MAY BE USED IN WALLS OR CEILING SPACES WHERE NOT SUBJECT TO MECHANICAL DAMAGE. PVC SCHEDULE 40 MAY BE INSTALLED BENEATH SLAB OR BELOW GRADE. FLEXIBLE STEEL CONDUIT MAY BE USED AT FIXTURE AND OUTLET CONNECTIONS WITH NO RUNS LONGER THAN SIX FEET. AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE PROVIDED IN ALL CONDUIT RUNS.

51. RIGID GALVANIZED STEEL CONDUIT FITTINGS SHALL BE THREADED AND THOROUGHLY GALVANIZED. ELECTRICAL METALLIC TUBING (EMT) CONDUIT FITTINGS SHALL BE STEEL, RAINTIGHT THREADLESS COMPRESSION TYPE. DIE CAST, SET SCREW, OR INDENTER TYPES ARE NOT ACCEPTABLE. FLEXIBLE STEEL CONDUIT FITTINGS SHALL BE MALLEABLE IRON CLAMP, SQUEEZE TYPE OR STEEL TWIST-IN TYPE WITH INSULATED THROAT. SET SCREW TYPE IS NOT ACCEPTABLE.

52. FOR SMALL AC MOTORS NOT HAVING BUILT-IN THERMAL OVERLOAD PROTECTION, PROVIDE MANUAL MOTOR STARTERS WITH OVERLOAD HEATER ELEMENTS SIZED TO THE NAMEPLATE CURRENT RATING OF THE MOTOR. SMALL AC MOTORS WITH BUILT-IN THERMAL OVERLOAD PROTECTION, PROVIDE A HORSEPOWER RATED TOGGLE TYPE DISCONNECT SWITCH.

53. SAFETY SWITCHES SHALL BE HEAVY DUTY NEMA TYPE HD BY SQUARE D, SIEMENS, GENERAL ELECTRIC OR WESTINGHOUSE. SWITCHES SHALL BE RATED FOR THE NUMBER OF POLES, VOLTAGE, CURRENT AND HORSEPOWER RATING AS REQUIRED. PROVIDE FUSE PROTECTION BASED ON THE MOTOR NAMEPLATE RATINGS.

54. TERMINAL CABINETS SHALL BE GALVANIZED CODE SHEET STEEL, FLUSH OR SURFACE MOUNTED AS INDICATED ON THE DRAWINGS, OF IDENTICAL MANUFACTURE AS BRANCH CIRCUIT PANELS. FLUSH MOUNTED CABINETS SHALL BE PRIMED AND PAINTED. FINISH COLOR AS SELECTED BY ARCHITECT.

THERMOPLASTIC, 600 VOLT, 75 DEGREES CELSIUS WET AND 90 DEGREES CELSIUS DRY AND UL LISTED UNLESS NOTED OTHERWISE. CONDUCTORS #12 AWG AND SMALLER SHALL BE SOLID. CONDUCTORS # 10 AWG AND LARGER SHALL BE STRANDED.

56. JUNCTION AND PULL BOXES: FOR INTERIOR DRY LOCATIONS, BOXES SHALL BE GALVANIZED ONE-PIECE, DRAWN STEEL, KNOCKOUT TYPE WITH REMOVABLE MACHINE SCREW SECURED COVERS. FOR OUTSIDE, DAMP, OR SURFACE LOCATIONS, BOXES SHALL BE HEAVY CAST ALUMINUM OR CAST IRON WITH REMOVABLE, GASKETED, NON-FERROUS MACHINE SCREW SECURED COVERS. BOXES SHALL BE SIZED FOR THE NUMBER AND SIZES

EXTENSION RINGS WHERE REQUIRED. BOXES SHALL BE LABELED TO INDICATE PANEL AND

OF CONDUCTORS AND CONDUIT ENTERING THE BOX AND EQUIPPED WITH PLASTER

55. ALL CONDUCTORS SHALL BE COPPER #12 AWG MINIMUM SIZE, TYPE THHN/THWN

CIRCUIT NUMBER, OR TYPE OF SIGNAL OR COMMUNICATIONS SYSTEM.

57. WHERE LIGHTING FIXTURES REQUIRE THE USE OF ACRYLIC PLASTIC LENSES, THEY SHALL
BE 100 PERCENT VIRGIN ACRYLIC THERMOPLASTIC NOT LESS THAN 0.125 INCHES THICK WITH
AN UNPENETRATED DEPTH OF NOT LESS THAN 0.045 INCHES EQUAL TO KSH-K12 UNLESS NOTED

58. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS, SPECIFICATIONS AND ENGINEERING CALCULATIONS HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT IN GENERAL CHARGE OF DESIGN AND THE SIGNATURE OF THE ARCHITECT OR PROFESSIONAL ENGINEER WHO HAS BEEN DELEGATED RESPONSIBILITY COVERING THE WORK SHOWN ON A PARTICULAR PLAN OR SPECIFICATION, AND APPROVED BY FIRE MARSHALL. THE FIRE ALARM SYSTEM INDICATED IN THESE DRAWINGS SHALL BE USED FOR BIDDING PURPOSES ONLY AND ARE NOT FOR CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT FIRE ALARM SYSTEM SHOP DRAWINGS TO FIRE MARSHALL FOR APPROVAL PRIOR TO INSTALLATION. SYSTEM SHALL MEET THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS.

59. EVERY CIRCUIT AND CIRCUIT MODIFICATION SHALL BE LEGIBLY IDENTIFIED AS TO ITS CLEAR, EVIDENT, AND SPECIFIC PURPOSE OR USE. THE IDENTIFICATION SHALL INCLUDE SUFFICIENT DETAIL TO ALLOW EACH CIRCUIT TO BE DISTINGUISHED FROM ALL OTHERS. THE IDENTIFICATION SHALL BE INCLUDED IN A CIRCUIT DIRECTORY THAT IS LOCATED ON THE FACE OR INSIDE OF THE PANEL DOOR IN THE CASE OF A PANELBOARD, AND LOCATED AT EACH SWITCH OR CIRCUIT BREAKER IN A SWITCHBOARD.

60. ALL ELECTRICAL EQUIPMENT SHALL BE LISTED OR CERTIFIED BY THE AHJ RECOGNIZED ELECTRICAL TESTING LABORATORY OR APPROVED BY THE DEPARTMENT. 61. ALL SERVICE, FEEDERS OR BRANCH CIRCUITS SUPPLYING A BUILDING SHALL HAVE COMMON GROUNDING ELECTRODE SYSTEM, 250.58.

62. ALL GROUNDING ELECTRODES THAT ARE PRESENT AT EACH BUILDING OR STRUCTURE SHALL BE BONDED TOGETHER, 250.122.
63. ALL EQUIPMENT FASTENED IN PLACE OR CONNECTED BY PERMANENT WIRING METHOD SHALL BE GROUNDED, 250.110 & 112.

### GENERAL NOTE:

OTHERWISE.

COORDINATE WORK WITH ALL TRADES AT THE SITE. COSTS TO INSTALL WORK TO ACCOMPLISH SAID COORDINATION WHICH DIFFERS FROM THE WORK AS SHOWN ON THE PLANS SHALL BE INCURRED BY THE CONTRACTOR. ANY DISCREPANCIES, AMBIGUITIES OR CONFLICTS IN THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD DURING BID TIME FOR CLARIFICATION. ANY SUCH CONFLICTS NOT CLARIFIED PRIOR TO BID SHALL BE SUBJECT TO THE INTERPRETATION OF THE ENGINEER OF RECORD AT NO ADDITIONAL COST TO THE OWNER OR ENGINEER OF RECORD.

### Sheet # Sheet Name E0.1 ELECTRICAL GENERAL NOTES E0.2 LEGEND AND NOTES E2.1 ELECTRICAL POWER PLAN E2.2 ELECTRICAL LIGHTING PLAN E4.1 ELECTRICAL SINGLE LINE DIAGRAM AND LOAD CALCULATIONS E4.2 COMPLIANCE CERTIFICATION

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## 800 B AVE. SUITE 804

DRAWINGS PREPARED BY:

ELECTRICAL GENERAL NOTES

SHEET:

Ξ0.1

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**ABBREVIATIONS** ABOVE COUNTER AFC AVAILABLE FAULT CURRENT AFF ABOVE FINISHED FLOOR AHJ **AUTHORITY HAVING JURISDICTION** AIC AMPERE INTERRUPTING CURRENT **ALUMINUM AUTOMATIC TRANSFER SWITCH** ATS AWG AMERICAN WIRE GAGE BRKR BREAKER **CONDUIT** CATV **COMMUNITY ANTENNA TELEVISION** CMIL CIRCULAR MIL CU COPPER DISC DISCONNECT EC **ELECTRICAL CONTRACTOR EQUIPMENT GROUNDING CONDUCTOR** EGC EM/EMER **EMERGENCY** FMT **ELECTRICAL METALLIC TUBING** ENT **ELECTRICAL NONMETALLIC TUBING** EX,EXIST EXISTING FLC FLEXIBLE METAL CONDUIT **GROUND** GEC GROUNDING ELECTRODE CONDUCTOR **GFCI** GROUND-FAULT CIRCUIT INTERRUPTER **GFPE** GROUND-FAULT PROTECTION OF EQUIPMENT HACR HEATING, AIR CONDITIONING, AND REFRIGERATION HIGH INTENSITY DISCHARGE HP **HORSEPOWER HVAC** HEATING, VENTILATION AND AIR CONDITIONING HERTZ (CYCLE PER SECOND) IBT INTERNATIONAL BONDING TERMINATION ISOLATED GROUND IMC INTERMEDIATE METAL CONDUIT KELVIN **KCMIL** ONE THOUSAND CIRCULAR MILS KVA KILOVOLT-AMPERES **KVAR** KILOVOLT-AMPERE REACTIVE KW KILOWATT LED LIGHT-EMITTING DIODE LRC LOCKED-ROTOR CURRENT MCB MAIN CIRCUIT BREAKER MG SET MOTOR-GENERATOR SET MLO MAIN LUGS ONLY MW **MEGAWATTS** NEC NATIONAL ELECTRICAL CODE (NFPA 70) NEMA NATIONAL ELECTRICAL MANUFACTURER ASSOCIATION NATIONAL FIRE PROTECTION ASSOCIATION NFPA NIGHTLIGHT POLE PART PARTIAL CIRCUIT PC **PHOTOCELL POWER FACTOR PNLBD PANELBOARD** PoE POWER OVER ETHERNET RMC RIGID METAL CONDUIT RNC RIGID NONMETALLIC CONDUIT RR RESTROOM RTU **ROOF TOP UNIT** SEC SECTION SPD SURGE-PROTECTION DEVICE SWD SWITCHING DUTY TR TAMPER-RESISTANT TS **TIMESWITCH** TRANSIENT VOLTAGE SURGE SUPPRESSOR **TVSS** TYP TYPICAL **UNDERWRITERS LABORATORIES** UNLESS NOTED OTHERWISE UNO UNINTERRUPTIBLE POWER SUPPLY UNIVERSAL SERIAL BUS VOLT **VOLT-AMPERE VOLTS ALTERNATING CURRENT** V AR **VOLTS-AMPERE REACTIVE** VOM **VOLT-OHM-MULTIMETER** WATT WATT-HOUR W-HR

### XFMR TRANSFORMER ABBREVIATIONS OF CABLES

WP

WPT

WPTE

ARMORED CABLE CATV COAXIAL GENERAL-PURPOSE CABLE MC META-CLAD CABLE

WIRELESS POWER TRANSFER

SE SERVICE-ENTRANCE CABLE

WEATHERPROOF

WEATHER RESISTANT

THERMOPLASTIC, HEAT AND MOISTURE RESISTANT CABLE THHN THERMOPLASTIC, HEAT RESISTANT CABLE, NYLON JACKET

WIRELESS POWER TRANSFER EQUIPMENT

OUTER SHEATH

THERMOPLASTIC, HEAT AND MOISTURE RESISTANT CABLE THERMOPLASTIC, MOISTURE AND HEAT RESISTANT CABLE. NYLON JACKET OUTER SHEATH

### **ELECTRICAL POWER GENERAL NOTES**

A. REMOVE ALL UNUSED CABLING, WIRE AND CONDUIT IN THIS SPACE. TERMINATE CONDUITS OUTSIDE ELECTRICAL ROOM WITH A JUNCTION BOX. TURN BREAKER OFF AND UPDATE PANEL DIRECTORY TO INDICATE SPARE BREAKER AND DATE OF CHANGE.

B. COORDINATE LOCATIONS OF ALL DEVICES AND JUNCTION BOXES WITH THE EQUIPMENT INSTALLER.

C. CONTRACTOR SHALL NOT INSTALL MORE THAN THREE CIRCUITS (3 PHASE WIRES, 1-NEUTRAL + 1-GROUND) IN A COMMON CONDUIT, EXCEPT WHERE SPECIFICALLY NOTED AND ALLOWED. WHERE MORE THAN THREE CURRENT CARRYING CONDUCTORS (EXAMPLE: 3 PHASE WIRES + 1 CURRENT CARRYING NEUTRAL CONDUCTOR) ARE INSTALLED IN A COMMON CONDUIT, THE AMPACITY OF ALL CURRENT-CARRYING CONDUCTORS SHALL BE DERATED PER 2017 NEC ARTICLE 310-15 (B)(2)(a).

EXAMPLE: (6)-20AMP CKTS WITH 8 CURRENT CARRYING WIRES IN A COMMON CONDUIT MUST USE MINIMUM #10 WIRE 70% X 35A = 24.5 AMPS. PROVIDE COMMON TRIP BREAKERS FOR MULTIWIRE CIRCUITS PER 2017 ARTICLE 210.4 (B).

ALL WORK PERFORMED IN THE BUILDING SHALL COMPLY WITH BUILDING MANAGEMENT CONTRACTOR RULES AND REGULATIONS.

E. ALL ELECTRICAL DEVICES, PENETRATIONS AND EQUIPMENT LOCATED WITHIN IDENTIFIED CLASSIFIED HAZARDOUS SPACES/AREAS SHALL BE PROVIDED AND INSTALLED PER SPECIFIED NEC CLASS & DIVISION SPACE SPECIFICATIONS AND REQUIREMENTS (CLASS 1, DIVISION 2 SPACE).

### **ELECTRICAL GENERAL NOTES**

### **APPLIES TO ALL SHEETS:**

- A. ALL ABONDONED CABLES AND CONDUIT MUST BE REMOVED BACK TO SOURCE.
- B. ELECTRICAL PANEL SCHEDULES MUST BE LABELED ACCORDING TO THE DRAWINGS

C. ELECTRICAL PANEL SCHEDULES MUST BE COMPUTER GENERATED OR TYPEWRITTEN TO INCLUDE OFFICE AREA SERVED AND PLACED ON THE ELECTRICAL PANEL COVER.

D. ALL ELECTRICAL BOXES LOCATED ABOVE THE PLENUM MUST HAVE A COVER ON THEM, TO INCULDE J-BOX, GUTTER BOXES, ETC.

E. ALL FLOOR PENETRATIONS MUST BE PROPERLY SEALED.

F. PHONE/DATA CABLE SHALL BE INSTALLED IN A NEAT AND PROFESSIONAL APPEARANCE AND BE LABELED WITH THE EQUIPMENT IT FEEDS. WHERE THE RUN STARTS AND FINISHES AND THE VENDOR RESPONSIBLE FOR THE INSTALLATION.

G. FLEXIBLE METAL CONDUIT IS **NOT** PERMITTED BEYOND **15 FEET** IN LENGTH.

H. IT SHALL BE NOTED THAT ALL CIRCUITS WITHIN THE SUITE SHALL BE CIRCUIT TRACED TO ENSURE NONE ARE FED FROM A PANEL THAT IS BEING METERED BY

I. PROVIDE IECC COMPLIANCE CALCULATION/REPORT AS PART OF THIS SUBMITTAL FOR

J. CONTRACTOR SHALL REFERENCE AND FOLLOW ALL BUILDING RULES AND REGULATIONS.

K. THE SPACE EQUAL TO THE WIDTH AND DEPTH FOOTPRINT OF ELECTRICAL SERVICE EQUIPMENT INCLUDING SWITCHBOARDS. PANELBOARDS AND METERING EQUIPMENT MUST BE DEDICATED TO THE ELECTRICAL INSTALLTION EXTENDING FROM THE FLOOR TO A HEIGHT 6 FEET ABOVE THE EQUIPMENT. NO FOREIGN SYSTEMS, PIPING OR DUCTS ARE PERMITTED IN THIS AREA.

L. PERSONNEL DOORS IN ELECTRICAL ROOMS SHALL BE EQUIPPED WITH PANIC BARS, PRESSURE PLATES OR OTHER DEVICES THAT ARE NORMALLY LATCHED BUT OPEN UNDER SIMPLE PRESSURE. COORDINATE WITH ARCHITECT AND HARDWARE VENDOR

### **ELECTRICAL LIGHTING GENERAL NOTES**

A. REFER TO ARCH, REFLECTED CEILING PLAN FOR EXACT LOCATION OF LIGHTING FIXTURES. VERIFY FIXTURE AND CEILING COMPATIBILITY PRIOR TO ORDERING FIXTURES.

B. FURNISH AND INSTALL SECURITY CLIPS ON ALL FOUR SIDES OF 2'X4', 2'X2' AND 1'X4' RECESSED FIXTURES. SEE GENERAL LIGHTING NOTE (LIGHTING FIXTURE SCHEDULE).

C. CONNECT ALL EXIT LIGHTS TO UN-SWITCHED POWER AHEAD OF ALL LIGHT SWITCHES AND LIGHTING CONTROL PANEL. EXIT LIGHTS ARE SWITCHED AT PANEL ONLY. D. EXISTING FIXTURES: EXISTING FIXTURES INDICATED TO BE RE-USED SHALL BE CLEANED AND

RE-LAMPED. E.C. TO EXAMINE CONDITION OF EXISTING BALLASTS, REPLACE IF NOISY AND/OR INOPERATIVE. ALL BALLASTS DATED BEFORE 1976 ARE PRESUMED TO CONTAIN PCB AND SHALL BE REMOVED BY E.C. DISPOSE OF SUCH BALLASTS IN STRICT COMPLIANCE WITH APPLICABLE FEDERAL AND STATE LAWS AND LOCAL ORDINANCES. FIXTURE NOT INDICATED FOR RE-USE SHALL BE DELIVERED TO A LOCATION TO BE SPECIFIED BY OWNER. DISPOSE OF SUCH FIXTURES IF NOT NEEDED BY OWNER.

F. ALL WORK PERFORMED IN THE BUILDING SHALL COMPLY WITH BUILDING MANAGEMENT CONTRACTOR RULES AND REGULATIONS.

G. CONTRACTOR SHALL REFERENCE AND FOLLOW ALL BUILDING RULES AND REGULATIONS.

H. ALL ELECTRICAL DEVICES, PENETRATIONS AND EQUIPMENT LOCATED WITHIN IDENTIFIED CLASSIFIED HAZARDOUS SPACES/AREAS SHALL BE PROVIDED AND INSTALLED PER SPECIFIED NEC CLASS & DIVISION SPACE SPECIFICATIONS AND REQUIREMENTS (CLASS 1, DIVISION 2 SPACE).

### **FIRE ALARM SYSTEM NOTES:**

FIRE ALARM SYSTEM CONSTRUCTION DOCUMENTS FOR THE SCOPE OF WORK INDICATED IN THIS PROJECT SHALL BE SUBMITTED. CA FOR APPROVAL PRIOR TO COMMENCING FIRE ALARM WORK AND THE INSTALLATION MUST BE APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION AFTER COMPLETION.

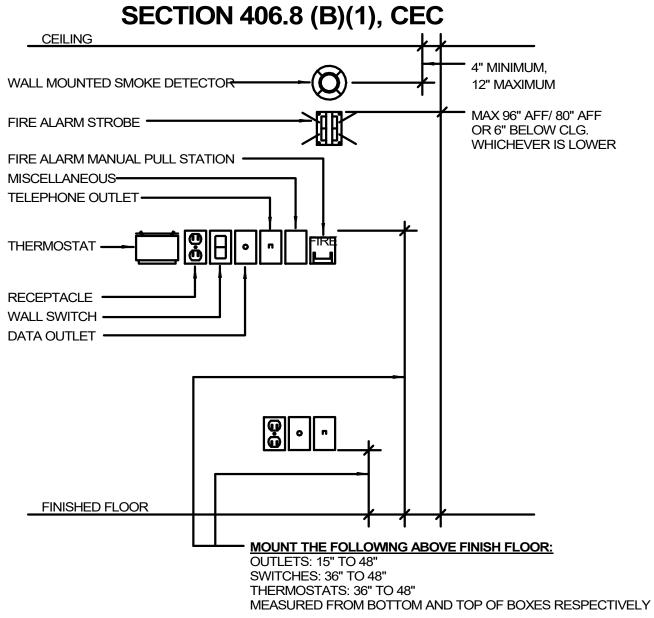
1. FOR THE SPACE SHOWN, PROVIDE A NEW, PERMANENT COMPLETE FIRE ALARM SYSTEM AND SEQUENCE OF OPERATION. COORDINATE WITH MECHANICAL AND PLUMBING DRAWINGS. REUSE ALL EXISTING DEVICES WHERE PRACTICAL AND PROVIDE NEW DEVICES MATCHING EXISTING DEVICES WHERE NECESSARY. COORDINATE DEVICE LOCATIONS WITH ARCHITECTURAL DRAWINGS. SUBMIT SHOP DRAWINGS AND SEQUENCE OF OPERATIONS TO ENGINEER FOR REVIEW.

2. ALL 120V. CIRCUITS REQUIRED FOR THE OPERATION OF THE FIRE ALARM SYSTEM SHALL BE INCLUDED. LOCATIONS OF ALL PANELS AND BOOSTERS SHALL BE COORDINATED WITH ARCHITECT. CONTRACTOR SHALL TEST THE SYSTEM IN THE PRESENCE OF LOCAL AUTHORITIES AND MAKE ALL REQUIRED MODIFICATIONS AND ADDITIONS TO THEIR DESIGN AT NO ADDITIONAL COST.

3. ALL WORK PERFORMED IN THE BUILDING SHALL COMPLY WITH BUILDING MANAGEMENT CONTRACTOR RULES AND REGULATIONS.

NOTE: GENERAL NOTES, LEGEND, DETAILS SHOWN AS APPLICABLE

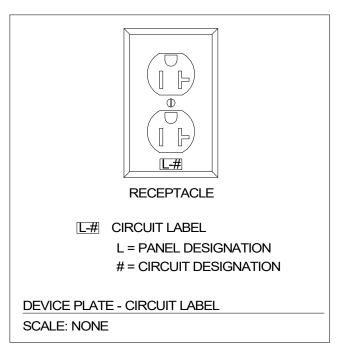
### PANEL CIRCUIT DIRECTORY TO COMPLY WITH SECTION 408.4, CEC W.P. COVER OF OUTLETS TO COMPLY WITH



### **MOUNTING HEIGHT DETAIL**

NOTE: ALL DEVICES SHOWN MAY NOT BE USED. DETAIL INDICATES TYPICAL MOUNTING HEIGHTS ONLY. MOUNTING HEIGHTS SHOWN ON THE ARCHITECT DRAWINGS AND SPECIFICATIONS TAKE PRECEDENCE. VERIFY EXACT MOUNTING HEIGHT REQUIRED WITH ARCHITECT AND INSTALL ACCORDINGLY.

APPLICABLE CODES: LATEST EDITION OF CODES ADOPTED BY LOCAL AUTHORITIES HAVING JURISDICTION, INCLUDING BUT NOT LIMITED TO NFPA 72 NATIONAL FIRE ALARM CODE **INTERNATIONAL BLDG CODE 2018** 



### LEGEND NOTES:

- THE WORD "PROVIDE" AS USED IN THESE DRAWINGS SHALL MEAN "MATERIALS AND LABOR FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR".
- MOUNTING HEIGHT OF ALL LIGHT SWITCHES. DIMMERS. RECEPTACLES. TELEPHONE. DATA AND SIGNAL OUTLETS SHALL BE IN ACCORDANCE WITH THE 'AMERICAN WITH DISABILITIES ACT'. LIGHT SWITCHES, DIMMERS, ETC. (+42")
- RECEPTACLES, TELEPHONE, DATA, ETC. (+18") ALL MOUNTING HEIGHTS ARE MEASURED FROM FINISHED FLOOR TO CENTER OF DEVICE. MOUNTING HEIGHTS SHOWN ON THE ARCHITECT DRAWINGS AND SPECIFICATIONS TAKE PRECEDENCE. VERIFY EXACT MOUNTING HEIGHT REQUIRED WITH ARCHITECT AND INSTALL ACCORDINGLY.

### **ELECTRICAL LEGEND**

ALL SYMBOLS SHOWN ARE NOT NECESSARILY USED IN THIS PROJECT

2' x 4' LIGHT FIXTURE. LETTER INDICATES TYPE.

2' x 2' LIGHT FIXTURE. LETTER INDICATES TYPE.

2' X 4' LIGHT FIXTURE WITH 90 MINUTE, MIN. 1100 LUMENS **BATTERY PACK** 

(NOTE: SIMILAR FOR 1' x 4' AND 2' x 2' FIXTURES)

EXIT LIGHT. PROVIDE DIRECTIONAL CHEVRON(S) ARROW(S) AS INDICATED ON PLANS. CONNECT TO UNSWITCHED CIRCUIT.

SINGLE POLE SWITCH

THREE(3) WAY SWITCH

\$ abcd LIGHT CONTROL SWITCH, SUBSCRIPT DENOTES LIGHT AS CONTROLLED

DIMMER CONTROL 3-WAY SWITCH

MANUAL MOTOR STARTER WITH PROPER THERMAL ELEMENT INSTALLED.

DUPLEX RECEPTACLE, 20AMP, 125VOLT, 2POLE, 3WIRE, GROUNDING TYPE, NEMA 5-20R (CM=CEILING MOUNT)

⊕ GFI GROUND FAULT INTERRUPTOR (GFI) DUPLEX RECEPTACLE. SIMILAR TO DUPLEX RECEPTACLE ABOVE. RECEPTACLE SHALL BE FULLY COMPLIANT TO THE LATEST UL 943 STANDARD. RECEPTACLE SHALL BE PROVIDED WITH AUTO-MONITORING (SELF-TEST) FUNCTION AND STATUS INDICATOR LIGHT (LEVITON SMART LOCK PRO OR EQUAL).

DUPLEX RECEPTACLE ABOVE.

DOUBLE (QUAD) DUPLEX RECEPTACLE WITH COMMON COVER PLATE. SIMILAR TO DUPLEX RECEPTACLE.

DUPLEX GROUNDING TYPE CONTROLLED RECEPTACLE, 20 AMP, 125VOLT, 2 POLE, 3 WIRE. RECEPTACLE SHALL HAVE PERMANENT IDENTIFICATION

SPECIAL OUTLET MOUNTED FLUSH IN WALL BOX LETTER INDICATES TYPE

A - NEMATYPE

TELEPHONE OUTLET. PROVIDE BACK BOX/COVER PLATE. INSTALL 3/4"C. WITH BUSHING AND PULL STRING, STUBBED TO ACCESSIBLE CELING.

DATA OUTLET. PROVIDE BACK BOX/COVER PLATE. INSTALL 3/4"C. WITH BUSHING AND PULL STRING, STUBBED TO ACCESSIBLE CELING.

COMBINATION TELEPHONE/DATA OUTLET. PROVIDE BACK BOX/COVER PLATE. INSTALL 3/4"C. WITH BUSHING AND PULL STRING. STUBBED TO ABOVE ACCESSIBLE CEILING.

JUNCTION BOX. (CM=CEILING MOUNT)

**ELECTRICAL PANEL BOARDS** 

DISCONNECT SWITCH. ALL SWITCHES SHALL BE HEAVY DUTY TYPE (E.G. 30A/3P/600/NF/NEMA 1 OR NEMA 3R FOR OUTDOORS)

CONDUIT RUN CONCEALED IN WALL OR CEILING

CONDUIT RUN CONCEALED IN FLOOR

HOMERUN TO ELECTRICAL PANELBOARDS

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CROSS LINES ON CONDUIT RUNS INDICATE NUMBER OF #12 CURRENT CARRYING CONDUCTORS CONTAINED THEREIN TWO #12 AND MINIMUM OF ONE #12 GROUND WIRE ARE INDICATED WHEN CROSS LINES ARE NOT SHOWN. NUMERALS ADJACENT TO CROSS LINES ON CONDUIT RUNS INDICATE SIZE OF #12. ALL CONDUITS SHALL CONTAIN ONE GROUND WIRE SIZED PER C.E.C. TABLE 250.122. BUT NOT SMALLER THAN #12. WHERE ISOLATED GROUND RECEPTACLES ARE INDICATED, PROVIDE ADDITIONAL #12 GROUND WIRE IN CONDUIT RUNS, CONNECTED FROM ISOLATED GROUND BUS IN PANEL.



DRAWN BY: PROJECT# NUMBER DESCRIPTION

A A

DRAWINGS PREPARED BY

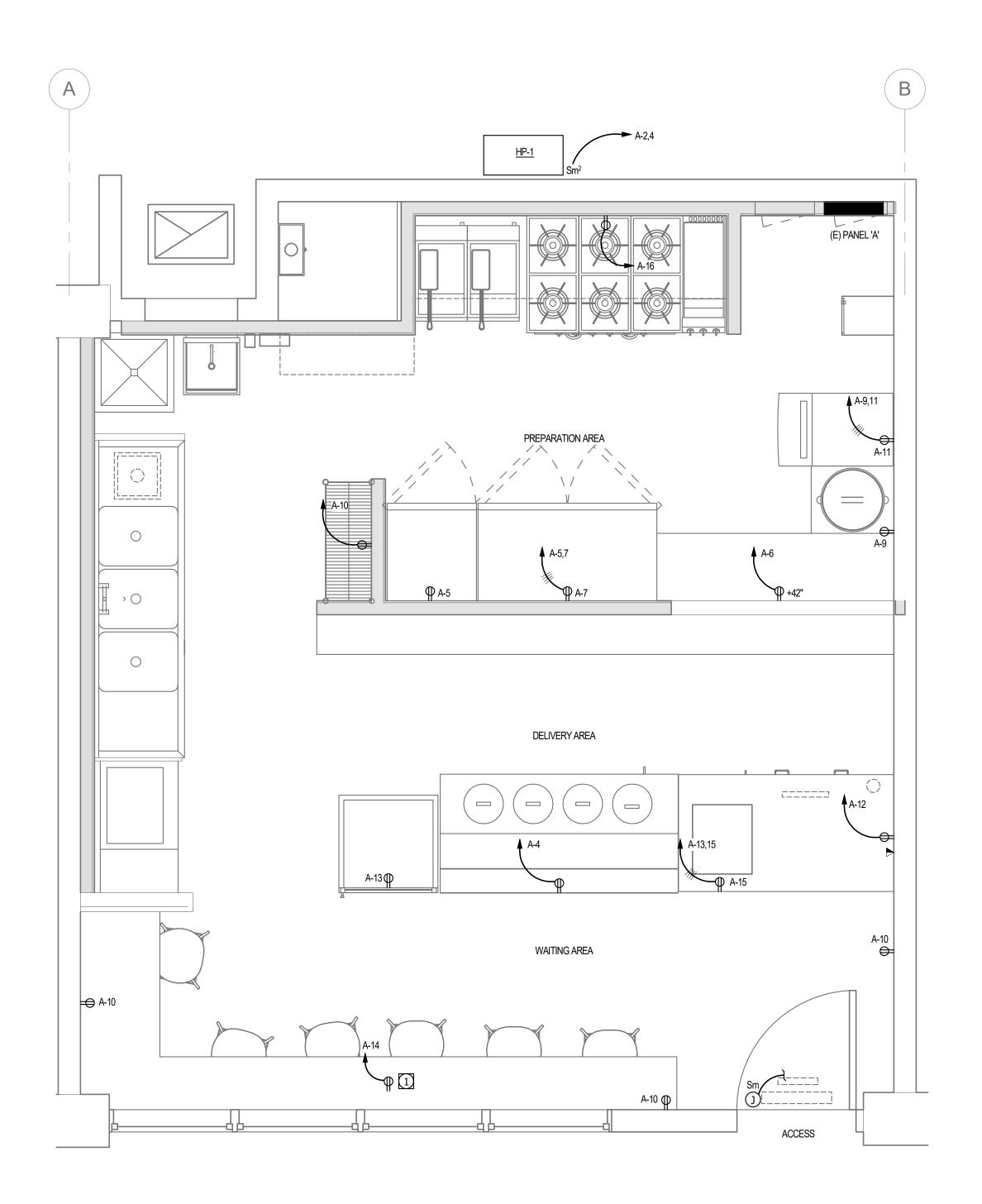
Riverside Engineering

SHEET

EXP. 06-30-2024

LEGEND AND NOTES

Riverside, California 92505 (By Appointment Only) In no event shall any party, client or otherwise copy or use any of the [concepts, plans, drawings, specifi cations, designs, models, reports, photographs, computer software, surveys, calculations, construction and other data, documents, and processes produced by the Consultant in connection with the Project (the "Instruments of Service")] for any purpose other than those noted above or in relation to any project other than those noted above or in relation to any project without the prior written permission of the Consultant RIVERSIDE ENGINEERING.



ELECTRICAL POWER PLAN

NORTH

1/2" = 1'-0"

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### POWER PLAN GENERAL NOTES (AS APPLICABLE)

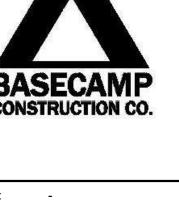
- REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATIONS OF HVAC AND PLUMBING EQUIPMENT AND RELATED DEVICES, AND COORDINATE WITH MECHANICAL AND PLUMBING CONTRACTORS FOR POWER AND CONTROL CONNECTIONS PRIOR TO ROUGH IN.
- 2. DEVICE AND RECEPTACLE LOCATIONS SHOWN FOR REFERENCE ONLY. VERIFY WITH ARCHITECTURAL DRAWINGS EXACT LOCATIONS AND MOUNTING HEIGHTS OF DEVICES AND ADDITIONAL DETAILS PRIOR TO ROUGH IN.
- 3. NEW DEVICES SHALL BE FLUSH MOUNTED IN EXISTING WALLS, PROVIDE WALL CUTTING, PATCHING, AND PAINTING TO MATCH EXISTING. COORDINATE EXACT LOCATIONS AND WORK WITH ARCHITECTURAL DRAWINGS.
- 4. PROVIDE UL APPROVED FIRESTOP SYSTEM AT THROUGH PENETRATIONS OF NEW AND EXISTING FIRE RATED WALLS AND FLOORS WITH BOTH 'F' AND 'T' RATINGS REQUIRED TO MAINTAIN THE RATING OF THE ASSEMBLY.
- 5. PROVIDE CONCRETE CORES FOR CONDUIT ROUTING, VERTICAL CONDUIT SUPPORTS, AND UL LISTED FIRE STOPPING TO MAINTAIN FIRE RATING OF EXISTING FLOOR.
- 6. INTERCEPT AND EXTEND EXISTING BRANCH CIRCUITS TO REMAIN TO AVAILABLE SPARE CIRCUITS. MATCH SIZE AND QUANTITY OF CONDUIT AND CONDUCTORS. FIELD VERIFY PRIOR TO COMMENCEMENT OF WORK.
- 7. PROVIDE BACK BOXES AND CONDUITS FOR LOW VOLTAGE ACCESS CONTROL AND SECURITY SYSTEMS. REFER AND COORDINATE TO LOW VOLTAGE CONTRACTOR AND DESIGN DRAWINGS FOR LOCATIONS AND REQUIREMENTS.
- 8. PROVIDE DISCONNECT SWITCH, WEATHERPROOF (AS REQUIRED), FUSIBLE OR NON FUSIBLE, AND LIQUID TIGHT FLEX CONNECTION TO MECHANICAL EQUIPMENT. SIZED PER MANUFACTURER'S REQUIREMENTS.
- 9. REFER TO UNIT PANEL SCHEDULE FOR CIRCUIT HOMERUN DESIGNATION.
  ELECTRICAL CONTRACTOR TO FIELD VERIFY EXISTING POWER OUTLET AND OR
  EQUIPMENT POWER CIRCUIT IF THEY ARE GOING TO BE RE-USED, IF NOT, PROVIDE
  NEW HOMERUN AS REQUIRED AND AS NECESSARY, TYPICAL TO ALL UNITS.

### **SHEET NOTES:**

PROVIDE SHOW WINDOW RECEPTACLE. RECEPTACLE TO E MOUNTED FLUSH IN CEILING IF CEILING IS WITHIN 18" FROM THE TOP OF THE WINDOW, OR ON THE WALL ABOVE THE WINDOW IF THERE IS MORE THAN 18" TO THE CEILING ABOVE. ROUTE CIRCUIT THROUGH PLUG LOAD CONTROLLER FOR AUTOMATIC CONTROLS. REFER TO LIGHTING FLOOR PLAN FOR MORE INFORMATION.

CIRCUITING NOTE:

CIRCUITS SHOWN ON HOMERUNS SHALL BE EXTENDED TO DEVICES WHERE CIRCUITS ARE IDENTIFIED. ALL CONDUCTORS SHALL BE ROUTED IN CONDUIT. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL CONDUIT, BOXES, CONDUCTORS, SUPPORTS, ETC. REQUIRED FOR A COMPLETE INSTALLATION. REFER TO THE SPECIFICATIONS FOR CONDUIT AND CONDUCTOR REQUIREMENTS.



DRAWN BY:	-	
PROJECT#	-	
NUMBER	DESCRIPTION	DATE

BOR PIRI PIRI TENANT IMPROVEN 800 B AVE. SUITE 804 NATIONAL CITY CA 91950

DRAWINGS PREPARED BY:



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SHEET:

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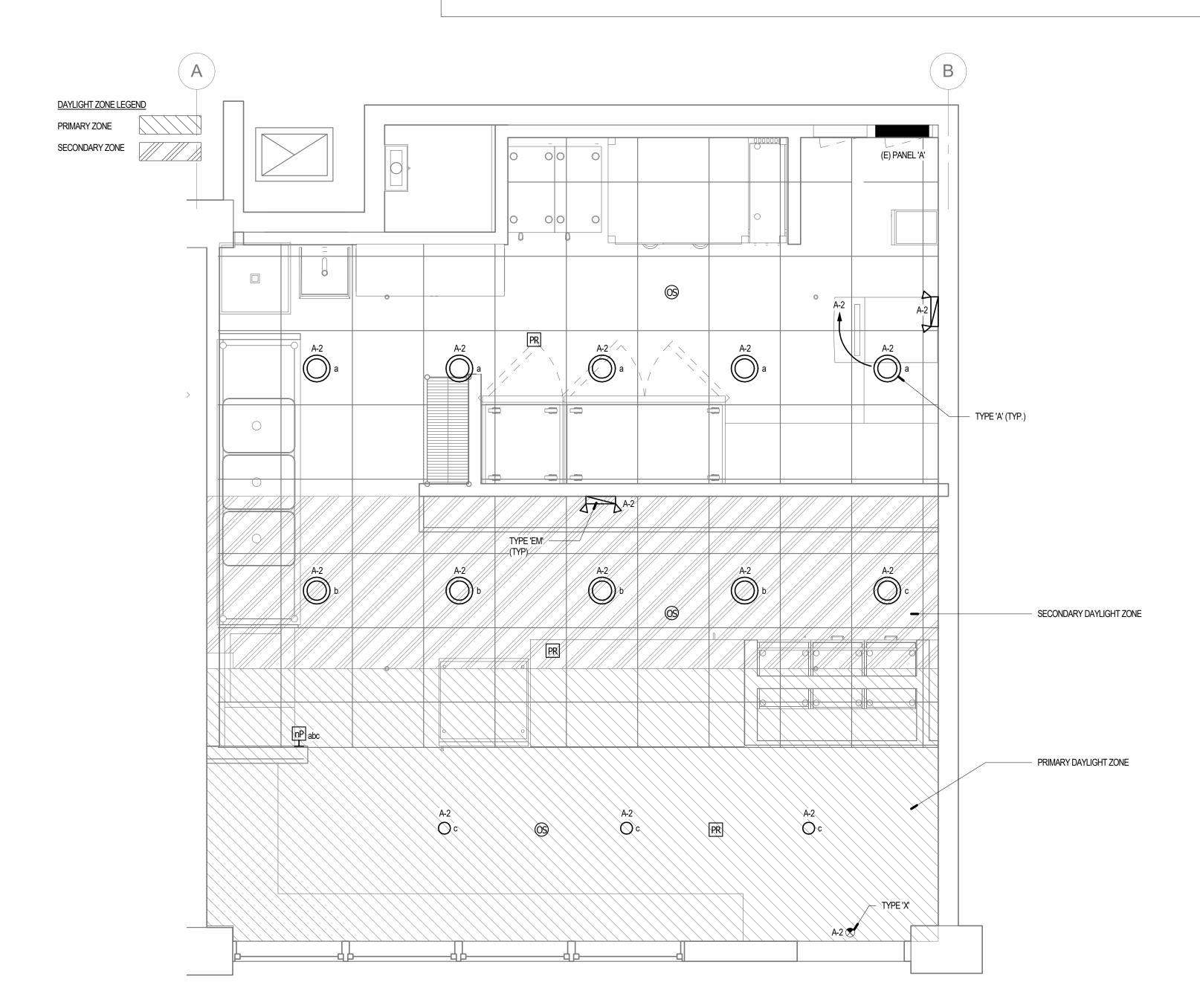
**ELECTRICAL POWER** 

			LIGHTI	NG FIXTURE SCHEDULE	
TYPE	DESCRIPTION	FINISH	LAMPS	REMARKS	MANUFACTURER
А	4 INCH OPWN AND WALLWASH LED NEW CONSTRUCTION DOWNLIGHT	TBD*	4/LED 0-10V DIM 35K/80 CRI 17.5W	- 120V	LITHONIA LIGHTING #LDN4 *** #LDN4-35/15-L04WR-LSS-120-EZ10
В	18" WIDE LED PENDANT LIGHT	TBD*	LED 0-10V DIM 30K/90CRI 11W	- 120V	TECH LIGHTING #700TDZVO-LED930-90CRI-30K-120V
EM	BUG EYE LED LIGHT FIXTURE WITH 90 MIN. SEALED NI-CAD EMERGENCY BATTERY ILLUMINATION.	TBD*	INTEGRATED LED MODULE 5.4W	- 120V	LITHONIA LIGHTING QUANTUM SERIES BUG EYE #ELMT-W-LP06VS-LTP ***
x	WALL MOUNTED LED EXIT SIDN	TBD*	INTEGRATED LED MODULE 1.2W	- 120V	LITHONIA LIGHTING QUANTUM SERIES #LQC 1 G E LN

### NOTES:

- FIXTURE FINISH TO BE COORDINATED WITH OWNER AND/OR OWNER REPRESENTATIVE.
- OR APPROVED EQUAL FIXTURE

  \*\* CONTACT KENT BONNETT AT PERFORMANCE LIGHITNG (KENTB@PERFORMANCELTG.COM) WITH ANY EXPEDITING, BUDGET, SUBSTITUTION ISSUES YOU MAY HAVE WITH THIS FIXTURE. CONTACT JOE PORTERA AT PERFORMANCE LIGHITNG (JOEP@PERFORMANCELTG.COM) WITH ANY EXPEDITING, BUDGET, SUBSTITUTION ISSUES YOU MAY HAVE WITH LIGHTING CONTROLS.



### ELECTRICAL LIGHTING PLAN 1/2" = 1'-0" 1



### LIGHTING PLAN GENERAL NOTES (AS APPLICABLE)

- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS, FLOOR PLANS, AND ELEVATIONS FOR EXACT LIGHTING FIXTURE AND CONTROL DEVICE LOCATIONS, CEILING TYPES AND MOUNTING HEIGHTS.
- 2. LIGHT FIXTURES SHOWN CIRCUITED DIRECTLY FROM LIGHTING BRANCH PANELBOARDS UNLESS OTHERWISE NOTED.
- EXIT SIGNS AND EGRESS LIGHTING FIXTURES PROVIDED WITH 90 MINUTE EMERGENCY BATTERY PACK AND UNSWITCHED 'HOT' FROM LIGHTING PANELBOARD FOR POWER FAILURE SENSING.
- 4. PROVIDE UL APPROVED FIRESTOP SYSTEM AT THROUGH PENETRATIONS OF NEW AND EXISTING FIRE RATED WALLS TO MAINTAIN FIRE RATING OF ASSEMBLY.
- 5. ELECTRICAL CONTRACTOR TO FIELD VERIFY EXISTING LIGHTING POWER CIRCUIT IF THEY ARE GOING TO BE RE-USED, IF NOT, PROVIDE NEW HOMERUN AS REQUIRED AND AS NECESSARY, TYPICAL TO ALL UNITS.
- 6. DIMMING WALL OCCUPANCY CONTROL SWITCHES LOCATION, EQUAL OR EQUIVALENT TO APPROVED ACUITY CONTROLS (WSX PDT D 347 WH 8H).
- 7. WALL/CEILING MOUNTED OCCUPANCY SENSOR, EQUAL OR EQUIVALENT TO APPROVED ACUITY CONTROLS (CM PDT 10 R LT, DUAL TECHNOLOGY), (AS APPLIED).
- 8. CEILING MOUNTED PHOTOCELL EQUAL OR EQUIVALENT TO APPROVED ACUITY CONTROLS (CM ADC VLP LT), (AS APPLIED).
- 9. REST ROOM EXHAUST FAN INTERLOCKED TO THE REST ROOM LIGHTING CONTROL SENSOR/SWITCH. REFER TO MECHANICAL DRAWINGS.
- 10. REFER TO UNIT PANEL SCHEDULE FOR THE CIRCUIT HOMERUN DESIGNATION, TYPICAL TO ALL UNITS.

### **nLIGHT CONTROLS SYMBOLS:**

- SW1 N LIGHT WIRED AESTHETIC WALLPOD, 2 POLE, RAISE/LOWER DIMMING # nPODMA 2P DX XX [COLOR]
- OS1 N LIGHT DUAL TECHNOLOGY, SMALL MOTION, LOW VOLTAGE, STANDARD RANGE 360 LENS, REAR RJ-45 PORTS, OCCUPANCY SENSOR (RECESS MOUNT) # nCM-PDT-9 RJB
- PR DP1 N LIGHT POWER/RELAY PACK, DIMMING, EXTERNAL FAULT PROTECTION # NPP16 EFP
- ---- PLENUM RATED LOW VOLTAGE CAT 5E CABLING PER MANUFACTURER SPECIFICATIONS.

GENERAL NOTES:

COORDINATE REQUIREMENT AND PROGRAM OF CEILING AND WALL SENSORS, DIMMING, AND POWER/RELAY WITH SENSOR SWITCH MANUFACTURER PRIOR TO ORDERING AND ROUGH-IN. INCLUDE PLENUM RATED LOW VOLTAGE 0-10VAC CABLING PER MANUFACTURER SPECIFICATIONS.



DRAWN BY: PROJECT # 
NUMBER DESCRIPTION DATE

# SABOR PIRI PIRI TENANT IMPROVEME 800 B AVE. SUITE 804 NATIONAL CITY CA 91950

ROJECT:

DRAWINGS PREPARED BY:



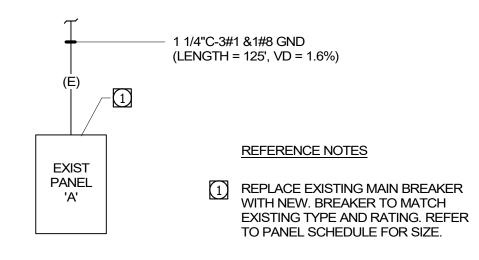
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E2.2



			_
ELECTRICAL SINGLE LINE DIAGRAM	N.T.S	1	

			FX	ISTING	PANEI	"Δ"					—	$\neg$
MOUNTING FLU NEMA 3R NO FEED THRU NO	<u>SH</u> C	OUBLE LUG 200% I/G BUS	NO NO		<u>120/208V</u> <u>1</u>	- /			MAIN 100 6 BUS 100 A.I.C. 10,000			
N L C O O I T A R E D C S S	TRIP	POLES	A	В	A	В	POLES	TRIP	LOCATION	C I R C	0	O T E
K 1 HVAC -KEF	20A	2	1820		208		1	20A	LIGHTING -	<u> </u>	L	Ŏ
Ок з				1820		1920	1	20A	HOT FOOD STATION - ITEM #1	4	к	Ŏ
M 5 FREEZER - ITEM #3	20A	1	315		1152		1	20A	REFRIGERATED PREP TABLE - ITEM #2	6	κ	$\bigcirc$
M 7 REFRIGERATOR - ITEM #4	20A	1		730		600	1	20A	AIR CURTAIN - ITEM #20	8	N	$\bigcirc$
K 9 RICE COOKER - ITEM #5	20A	1	600		720		1	20A	CONVENIENCE RECEPTACLE		R	$\bigcirc$
M 11 ICE MACHINE - ITEM #7	20A	1		1440		500	1	20A	POS	12	R	$\square$
K 13 MERCHANDISER - ITEM #8	20A	1	840		180		1	20A	SHOW WINDOW RECEPTACLE		R	$\bowtie$
K 15 HEATED DISPLAY - ITEM #9	20A	1		1632		180	1	20A	STOVE - ITEM #6		R	$\bowtie$
17 SPARE	20A	1					1	20A	SPARE SPARE	18	-	$\bowtie$
19 SPARE	20A	1					1	20A	SPARE	20	Н	$\bowtie$
21 SPARE 23 SPARE	20A	1 1					1	20A 20A	SPARE	22 24	<del></del>	$\bowtie$
23 SPARE 25	20A	1					1	20A	OF AIRE	26	-	$\bowtie$
27										28	$\overline{}$	$\bowtie$
29										30	-	$\bowtie$
31										32	-	Ħ
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37										38	П	$\Box$
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			Q	ðΑ	Q	ίΒ						
		MAND LOAD: MAND AMPS:				602			PERCENT BALANCE			
LOAD CLASSIFICATION		CONNECTE	D LOAD	DEMAN	ID FACTOR	ES	TIMATED DI	EMAND	PANEL LOADS			
CONTINUOUS	LOAD = C	0		,	125%		0					$\neg$
KITCHEN EQUIPMENT	LOAD = K	9784			65%		6360		\ \ /	14657		$\neg$
LIGHTING	LOAD = L	208			125%		260			11645		
	LOAD = M	2485	;		100%		2845		TOTAL CONN. (AMPS):	70		
NON-CONTINUOUS		600			100%		600		OTAL EST. DEMAND (AMPS	56		
	LOAD = P	0			100%		0					
RECEPTACLE	LOAD = R	1580	)		100%		1580					_
PANEL NOTES: (AS APPLICABLE)	,	) ppg/#==	0=01 =\ :			O						
1 PROVIDE LOCK-ON DEVICE.		4) PROVIDE							CUIT BREAKER 9 EXISTING BREAKER			
2 PROVIDE LOCK-OFF DEVICE.		5 PROVIDE				$\widehat{}$	VAC EQUIPI		(1) CIRCUIT MADE AVA			
3 CIRCUIT BREAKER CONTROLLED	RA (	6 PROVIDE	A NEW BR	EAKER	•	8) PROVI	DE PHOTOC	ELL AND	TIME CLOCK THROUGH DEMOLIT	ION		

WITH RELAYS FOR EXTERIOR

LIGHTING CONTROL DIAGRAM

LIGHTING CONTROL. REFER TO EXTERIOR

TO EXISTING TYPE AND A.I.C.

RATING IN PANEL

ANSUL SYSTEM. REFER TO HOOD

FIRE SYSTEM INTERLOCK DIAGRAM.

### SINGLE LINE DIAGRAM GENERAL NOTES (AS APPLICABLE)

- 1. FIELD VERIFY MINIMUM AIC RATINGS OF EXISTING ELECTRICAL EQUIPMENTS.
- 2. ADJUST CIRCUITING ON PANELBOARDS AS REQUIRED TO MAINTAIN MAXIMUM 10% LOAD IMBALANCE.
- 3. PROVIDE A COMPLETE TYPED DIRECTORY IN EACH PANELBOARD TO INCLUDE EXISTING LOADS TO REMAIN AS WELL AS NEW LOADS. DIRECTORY SHALL INDICATE EQUIPMENT NAME AND/OR ROOM NUMBER OF EQUIPMENT OR DEVICES FOR BOTH NEW AND EXISTING LOADS PER NEC 408.4.
- 4. PANELBOARDS IDENTIFICATION LABEL SHALL INCLUDE THE NAME WHERE POWER SUPPLY ORIGINATES PER NEC 408.4.
- 5. CIRCUIT BREAKERS SERVING FIRE ALARM SYSTEM PANELS AND POWER SUPPLIES SHALL BE IDENTIFIED AS FIRE ALARM, PROVIDED WITH LOCK ON DEVICE, AND HAVE A RED COLORED HANDLE OR PAINTED RED.
- 6. FIELD VERIFY AVAILABLE FAULT CURRENT AT SERVICE ENTRANCE WITH UTILITY COMPANY PRIOR TO PROCUREMENT OF ELECTRICAL DISTRIBUTION EQUIPMENT AND VERIFY MINIMUM FAULT INTERRUPTING RATINGS OF MAIN SWICTHBOARD AND BRANCH PANELBOARD.
- ALL OVERCURRENT DEVICES IN AN INDIVIDUAL PIECE OF EQUIPMENT SHALL HAVE AN AIC RATING EQUAL TO THE OVERALL RATING OF THE EQUIPMENT.
- 8. ALL TERMINATIONS AND ENCLOSURES SHALL BE RATED FOR USE WITH 75 DEGREE CELSIUS CONDUCTORS.
- 9. ALL SERVICE ENTRANCE EQUIPMENT, SWITCHBOARDS, DISTRIBUTION BORADS, AND PANELBOARDS RATED AT 400AMPS OR GREATER, SHALL BE PROVIDED WITH A MAIN OVERCURRENT DEVICE AND BUSSING RATED AT 100% CONTINUOUS OPERATION.
- 10. ALL BRANCH OR FEEDER CIRCUIT OVER CURRENT DEVICES RATED AT 400AMPS OR HIGHER SHALL BE RATED FOR 100%

### PANEL WIRE/FEEDER DISTRIBUTION SCHEDULE

		1PHASE, 2WIF	RE - COPPER	
FEEDER	AMPS	CONDUIT	CONDUCTOR	GROUND
F202	20	3/4"C	2#12	#12
F302	30	3/4"C	2#10	#10
F402	40	3/4"C	2#8	#10
F502	50	1"C	2#6	#10
F602	60	1"C	2#4	#10
F702	70	1"C	2#4	#8
F802	80	1-1/4"C	2#2	#8
F902	90	1-1/4"C	2#2	#8
F1002	100	1-1/4"C	2#1	#8

	VOL	TAGE	DROP'	WIRE T	ABLE	
	110VOLT,	SINGLE PH	ASE, MAXIM	UM 3% VOLT	AGE DROP	
LENGTH OF RUN	10'-25'	26'-50'	51'-100'	101'-150'	151'-200'	AMPS
CU WIRE	#12	#12	#8	#6	#6	15
CU WIRE	#12	#10	#8	#6	#4	20
CU WIRE	#10	#8	#6	#4	#3	30
CU WIRE	#8	#8	#4	#3	#2	40
CU WIRE	#8	#6	#4	#2	#1	50
CU WIRE	#6	#6	#3	#1	#0	60
CU WIRE	#4	#4	#2	#1	#00	70
CU WIRE	#3	#3	#1	#00	#000	100
	208VOLT,	SINGLE PH	ASE, MAXIM	UM 3% VOLT	AGE DROP	
LENGTH OF RUN	10'-25'	26'-50'	51'-100'	101'-150'	151'-200'	AMPS
CU WIRE	#12	#12	#10	#10	#8	15
CU WIRE	#12	#12	#10	#8	#6	20
CU WIRE	#10	#10	#8	#6	#4	30
CU WIRE	#8	#8	#6	#6	#4	40
CU WIRE	#8	#8	#6	#4	#3	50
CU WIRE	#6	#6	#4	#4	#3	60
CU WIRE	#4	#4	#4	#3	#2	70
CU WIRE	#3	#3	#3	#2	#0	100



DRAWN BY: PROJECT # 
NUMBER DESCRIPTION DATE

OR PIRI PIRI TENANT IMPROVEM
800 B AVE. SUITE 804

ROJECT

DRAWINGS PREPARED BY:



MECHANICAL
ELECTRICAL
PLUMBING
ENERGY
CONSULTANTS

888.401.7483 Email: Info@Riv-Eng.com www.Riv-Eng.com 11801 Pierce St., Suite 200 Riverside, California 92505 (By Appointment Only) E 22318 TO THE OF CALIFORNIA

E4.1

ELECTRICAL SINGLE LINE DIAGRAM AND LOAD CALCULATIONS

In no event shall any party, client or otherwise copy or use any of the [concepts, plans, drawings, specifications, designs, models, reports, photographs, computer software, surveys, calculations to any project other than the Project without the prior written permission of the Consultant RIVERSIDE ENGINEERING.



STATE OF CALIFORNIA												
Indoor Light												(9)
NRCC-LTI-E (Created 0											CALIFORNIA ENE	RGY COMMISSION NRCC-LTI-
This document is		trate complianc	e with requireme	nts in 8110 9 8	511	0 12(c) 8130 0	81	30 1 8140 6 an	d 8141 0(h)2 for	inc	door lighting scop	national and a second a second and a second
prescriptive path.		trate compilarie	e with requireme	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-	0.12(0), 3130.0,	2 4 -	50.1, <u>51 10.0</u> , <b>411</b>	G 31 11.0(0/2)01	,,,,	loor ngming scop	es asmy the
Project Name:	Sabor Piri Piri					Re	po	rt Page:				Page 1 of
Project Address:	800 B Ave., Suit	te 804				Da	ite	Prepared:				October 12, 202
A. GENERAL INF	ORMATION											7
01 Project Loca	tion (city)		Nation	nal City		04 Total	Co	nditioned Floor	Area (ft²)		4	35
02 Climate Zon	e	-	9	7				conditioned Flo	The Control of the Co			0
03 Occupancy	Types Within Pro	oject (select all t	hat apply):			06 # of S	tor	ies (Habitable A	bove Grade)			0
Office	V	Retail		Warehouse		Hote	I/N	/lotel	School		Supp	ort Areas
Parking Ga	rage	High-Rise Re	sidential	Relocatable		☐ Heal	thc	are	Other (write i	n):		
B. PROJECT SCC	NDE .											
		htina systems th	nat are within the	scope of the n	orn	nit application a	nd	are demonstrat	ina compliance i	ıcir	a the prescriptive	e path outlined in
§140.6 or §141.0												
calculation metho					2750010	Ø 10007000000000000000000000000000000000						
	Scope	e of Work				Conditioned	Sp	aces			Unconditioned	Spaces
		01				02		03			04	05
My	Project Consists	of (check all tha	t apply):	Ca	alcu	lation Method		Area (ft	<sup>2</sup> ) Ca	lcu	lation Method	Area (ft <sup>2</sup> )
✓ New Lighting	g System				Ar	ea Category		435				
												-
Altered Light	ting System											
				2.								
		То	tal Area of Work	(ft²)		435						
C. COMPLIANCE	RESULTS											?
Table Instructions		his table savs "D	OOES NOT COMPL	Y" or "COMPLI	ES 1	with Exceptiona	Cc	nditions" refer	to Table D. for au	uide	ance.	
		Allowed Light	ting Power per §	140.6(b) (Watt	s)			Adjusted Ligh	ting Power per §	§14	0.6(a) (Watts)	Compliance Results
Lighting in	01	02	03	04	Ĺ	05	1	06	07		08	09
conditioned and					1		1		Adjustments	1		
unconditioned spaces must not	Complete	Area Category	Area Category Additional	Tailored			>	Total	PAF Control		Total Adjusted	
be combined for	Building	§140.6(c)2	§140.6(c)2G	§140.6(c)3	=	Total Allowed	-	Designed	Credits	=	(Watts)	05 Must be ≥ 08
compliance per	§140.6(c)1	22 1010(0)2	(+)	(+)		(Watts)		(Watts)	§140.6(a)2		*Includes	§140.6
§140.6(b)1.			A 7.						(-)		Adjustments	
	(See Table I)	(See Table I)	(See Table J)	(See Table K)				(See Table F)	(See Table P)	Ш		
Conditioned:		418.75			=	418.75	2	208		=	208	COMPLIES
Unconditioned:					=		≥			=		
Table Continued												

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

	<b>Lighting</b> Created 04/21)						CA	ALIFORNIA ENERGY C	OMMISSIO	N
	TE OF COMPLIANCE								72555	RCC-LT
-	me: Sabor Piri Piri				Report Page:					ge 2 o
Project Add	dress: 800 B Ave., Suite 804				Date Prepared	l:			October	12, 20
				57679355	rols Compliance (S			COMPLII	ES	
			Rated F	Power Reduct	ion Compliance (S	ee Table Q for D	Details)	Not Applic	able	
D. EXCEP	TIONAL CONDITIONS									
This table i	is auto-filled with uneditable comme	nts because of s	selections made o	r data enterea	l in tables through	out the form.				
No evcenti	onal conditions apply to this project									
vo excepti	onal conditions apply to this project	•2								
E. ADDITI	ONAL REMARKS									(
This table i	includes remarks made by the permit	t applicant to th	e Authority Havin	g Jurisdiction.	4					
F. INDOO	R LIGHTING FIXTURE SCHEDULE									
	ructions: Include all permanent desig	ned lighting and	d all portable light	ing in offices						
Table Instr		ned ngirting and	a un portubic ngin	ing in offices.						
		1.77	200							
Designed \	Wattage: Conditioned Spaces	1 02	04	0.5	05	07	00	1 00	1	0
		03	04	05	06	07	08	09	1	.0
Designed \	Wattage: Conditioned Spaces  02	03 Modular	04 Small Aperture	05 Watts per	06 How Wattage is	07 Total number	08 Exempt per		1 Field In	
Designed \	Wattage: Conditioned Spaces	Modular					2000	09 Design Watts	1000 PROJECT	spect
01 Name or	Wattage: Conditioned Spaces  02	Modular	Small Aperture	Watts per	How Wattage is	Total number	Exempt per		Field In	
01 Name or Item Tag	Wattage: Conditioned Spaces  02  Complete Luminaire Description	Modular	Small Aperture	Watts per luminaire <sup>2</sup>	How Wattage is determined	Total number luminaires	Exempt per	Design Watts	Field In	spect
01 Name or Item Tag	Wattage: Conditioned Spaces  02  Complete Luminaire Description  LED RECESSED DOWNLIGHT	Modular	Small Aperture	Watts per luminaire <sup>2</sup> 17.5	How Wattage is determined Mfr. Spec <sup>2</sup> Mfr. Spec <sup>2</sup>	Total number luminaires	Exempt per §140.6(a)3	Design Watts 175 33	Field In	specto
01 Name or Item Tag	Wattage: Conditioned Spaces  02  Complete Luminaire Description  LED RECESSED DOWNLIGHT	Modular	Small Aperture	Watts per luminaire <sup>2</sup> 17.5	How Wattage is determined Mfr. Spec <sup>2</sup> Mfr. Spec <sup>2</sup>	Total number luminaires  10 3	Exempt per §140.6(a)3	Design Watts 175 33	Field In	spect
O1  Name or Item Tag  A  B	Wattage: Conditioned Spaces  02  Complete Luminaire Description  LED RECESSED DOWNLIGHT  LED PENDANT	Modular (Track) Fixture	Small Aperture & Color Change <sup>1</sup>	Watts per luminaire <sup>2</sup> 17.5 11	How Wattage is determined  Mfr. Spec <sup>2</sup> Mfr. Spec <sup>2</sup> Total Designed	Total number luminaires  10 3 d Watts CONDIT	Exempt per §140.6(a)3	Design Watts  175  33  208	Pass	speci Fa
Designed V 01 Name or Item Tag A B	Wattage: Conditioned Spaces  02  Complete Luminaire Description  LED RECESSED DOWNLIGHT  LED PENDANT  TE: Design Watts for small aperture of	Modular (Track) Fixture	Small Aperture & Color Change <sup>1</sup>	Watts per luminaire² 17.5 11	How Wattage is determined  Mfr. Spec <sup>2</sup> Mfr. Spec <sup>2</sup> Total Designed	Total number luminaires  10 3 d Watts CONDIT	Exempt per §140.6(a)3	Design Watts  175  33  208	Pass	spect Fa
Designed V 01 Name or Item Tag A B	Wattage: Conditioned Spaces  02  Complete Luminaire Description  LED RECESSED DOWNLIGHT  LED PENDANT	Modular (Track) Fixture	Small Aperture & Color Change <sup>1</sup>	Watts per luminaire² 17.5 11	How Wattage is determined  Mfr. Spec <sup>2</sup> Mfr. Spec <sup>2</sup> Total Designed	Total number luminaires  10 3 d Watts CONDIT	Exempt per §140.6(a)3	Design Watts  175  33  208	Pass	spect Fa
Designed V 01 Name or Item Tag A B	Wattage: Conditioned Spaces  02  Complete Luminaire Description  LED RECESSED DOWNLIGHT  LED PENDANT  TE: Design Watts for small aperture of	Modular (Track) Fixture	Small Aperture & Color Change¹  ing luminaires whated wattage in co	Watts per luminaire² 17.5 11 ich qualify per column 05.	How Wattage is determined  Mfr. Spec <sup>2</sup> Mfr. Spec <sup>2</sup> Total Designed  Total Designed	Total number luminaires  10 3 d Watts CONDIT	Exempt per §140.6(a)3	Design Watts  175 33 208  wattage. Table I	Field In  Pass	spect Fai
Designed V 01 Name or Item Tag A B	Wattage: Conditioned Spaces  02  Complete Luminaire Description  LED RECESSED DOWNLIGHT  LED PENDANT  TE: Design Watts for small aperture of adjustment, the permit applicant shall shal	Modular (Track) Fixture	Small Aperture & Color Change¹  ing luminaires whated wattage in co	Watts per luminaire² 17.5 11 ich qualify per column 05.	How Wattage is determined  Mfr. Spec <sup>2</sup> Mfr. Spec <sup>2</sup> Total Designed  Total Designed	Total number luminaires  10 3 d Watts CONDIT	Exempt per §140.6(a)3	Design Watts  175 33 208  wattage. Table I	Field In  Pass	spect Fai
Designed V 01 Name or Item Tag A B	Wattage: Conditioned Spaces  02  Complete Luminaire Description  LED RECESSED DOWNLIGHT  LED PENDANT  TE: Design Watts for small aperture of adjustment, the permit applicant shall a particular shall a pa	Modular (Track) Fixture	Small Aperture & Color Change¹  ing luminaires whated wattage in co	Watts per luminaire² 17.5 11 ich qualify per column 05.	How Wattage is determined  Mfr. Spec <sup>2</sup> Mfr. Spec <sup>2</sup> Total Designed  Total Designed	Total number luminaires  10 3 d Watts CONDIT	Exempt per §140.6(a)3	Design Watts  175 33 208  wattage. Table I	Field In  Pass	spector Fai
Designed V 01  Name or Item Tag  A B  1 FOOTNOT makes this 2 Authority luminaire,	Wattage: Conditioned Spaces  02  Complete Luminaire Description  LED RECESSED DOWNLIGHT  LED PENDANT  TE: Design Watts for small aperture of adjustment, the permit applicant shall a particular shall a pa	Modular (Track) Fixture	Small Aperture & Color Change¹  ing luminaires whated wattage in co	Watts per luminaire² 17.5 11 ich qualify per column 05.	How Wattage is determined  Mfr. Spec <sup>2</sup> Mfr. Spec <sup>2</sup> Total Designed  Total Designed	Total number luminaires  10 3 d Watts CONDIT	Exempt per §140.6(a)3	Design Watts  175 33 208  wattage. Table I	Field In  Pass	Fai
Name or Item Tag  A B  1 FOOTNOT makes this 2 Authority luminaire,	Wattage: Conditioned Spaces  02  Complete Luminaire Description  LED RECESSED DOWNLIGHT  LED PENDANT  TE: Design Watts for small aperture of adjustment, the permit applicant she will be a different process of the second	Modular (Track) Fixture	Small Aperture & Color Change¹  ing luminaires whated wattage in co	Watts per luminaire² 17.5 11 ich qualify per column 05.	How Wattage is determined  Mfr. Spec <sup>2</sup> Mfr. Spec <sup>2</sup> Total Designed  Total Designed	Total number luminaires  10 3 d Watts CONDIT	Exempt per §140.6(a)3	Design Watts  175 33 208  wattage. Table I	Field In  Pass	spector Fai

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

CERTIFICATE OF COME	LIANCE							N	RCC-LTI-
Project Name: Sabo	or Piri Piri			Report Page:				Pa	age 3 of
Project Address: 800	3 Ave., Suite 804			Date Prepared:				October	r 12, 202
nust be completed. Th	ase include lighting controls for condition to lighting controls section of the Compl							ion of this	s table
Building Level Control									
	01				02			03	
	Mandatory Demand Response				ff Controls			Field Ins	pector
	§110.12(c)			§13	30.1(c)			Pass	Fail
Area Level Controls								_	
04	05	06	07	08	09	10	11		12
Area Description	Complete Building or Area Category Primary Function Area	Area Controls §130.1(a)	Multi-Level Controls	Shut-Off Controls	Primary/Skylit Daylighting	Secondary Daylighting	Interlocked Systems	Field I	nspecto
	Primary Function Area	3120.1(a)	§130.1(b)	§130.1(c)	§130.1(d)	§140.6(d)	§140.6(a)1	Pass	Fail
Prep Area	Kitchen, Food Preparation	Manual ON/ OFF	Dimmer	Occ. Sensor	Included	Included			
Sales	Retail Merchandise Sales, Wholesale Showroom	Manual ON/ OFF	Dimmer	Occ. Sensor	Included	Included			
NOTES: Controls with	a * require a note in the space below	explaining how con	nnliance is achiev	/ed		1	.3		-1/
	pary/Skylight Daylighting: Exempt becau				PI	an Sheet Show	ing Daylit Zo	nes:	
XCEPTION 1 to §130.	,, , , , , , , , , , , , , , , , , , , ,		, ,	<i>3,</i>			2.2		
	111101 (1111)								
. LIGHTING POWER	ALLOWANCE: COMPLETE BUILDING	G OR AREA CATE	GORY METHOD	os					1
	nplete the table for each area complyin (c) or adjustments per <u>§140.6(a)</u> are be		ete Building or Ar	ea Category Metho	ods per <u>§140.6(b</u>	). Indicate if a	dditional ligh	ting pow	er
Conditioned Spaces									
01		02		03	04	05		06	
		Building or Area Cat	tegory	Allowed Density	Area	Allowed Wattage	Addition: Ad	al Allowa justment	
Area Descript	Deim			(1) 4 / (5) 2 \	(ft <sup>2</sup> )	(Watts)	Area Catego	m/	
Area Descript	Prim	iary Function Area		(W/ft <sup>2</sup> )		(vvaccs)	Area Catego	ı y	PAF
Area Descript	Prim	n, Food Preparatio	n	0.95	325	308.75	Area Catego	iy	PAF
•	Kitche	*			325 110			Ty	PAF

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

STATE OF CALIFORNIA

Indoor Lighting NRCC-LTI-E (Created 04/21)		CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE		NRCC-LT
Project Name: Sabor Piri Piri	Report Page:	Page 4 o
Project Address: 800 B Ave., Suite 804	Date Prepared:	October 12, 20
J. ADDITIONAL LIGHTING ALLOWANCE: AREA CATEGORY METHO	OD OHALIEVING LIGHTING SYSTEM	6
This Section Does Not Apply	QOALII TING LIGITING SISTEM	
K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE		
This Section Does Not Apply		
L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLA	Υ	
This Section Does Not Apply		
M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND	TASK LIGHTING	
This Section Does Not Apply		
N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTA	AL/SPECIAL EFFECTS	
This Section Does Not Apply		
O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUA	BLE MERCHANDISE	
This Section Does Not Apply		
P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER A	ADJUSTMENT FACTOR (PAF))	
This Section Does Not Apply		
Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS		
This Section Does Not Apply		
R. 80% LIGHTING POWER FOR ALTERATIONS - CONTROLS EXCEP	TIONS	
This Section Does Not Apply		
S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)		
This Section Does Not Apply		
T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION		

RCC-LTI-E (Cr	eated 04/21)	CALIFORI	IIA ENERGY COMMI	SSION
CERTIFICAT	E OF COMP	PLIANCE		NRCC-LTI-I
Project Nam		r Piri Piri Report Page:		Page 5 of 6
Project Add	ress: 800 E	B Ave., Suite 804 Date Prepared:	Octo	ber 12, 202
able E. Add itle24/2019	ditional Ren Ostandards,	ections have been made based on information provided in previous tables of this document. If any selection needs to be change marks. These documents must be provided to the building inspector during construction and can be found online at <a (attcp).="" -a"="" <a="" certification="" for="" form="" href="http://www.energy.ca.gov/title24/attcp/providers.html" in="" information="" more="" multion="" name="" provider="" the="" visit:="">http://www.energy.ca.gov/title24/attcp/providers.html</a> <td></td> <td></td>		
YES	NO	Form/Title		spector
			Pass	Fail
•	0	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.		
•	0	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.		

NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).

NRCA-ENV-03-F - Must be submitted for daylighting design power adjustment factors (PAF).

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

In no event shall any party, client or otherwise copy or use any of the [concepts, plans, drawings, specifi cations, designs, models, reports, photographs, computer software, surveys, calculations to any project other than the Project without the prior written permission of the Consultant RIVERSIDE ENGINEERING.

STATE OF CALIFORNIA **Indoor Lighting** CERTIFICATE OF COMPLIANCE Project Name: Sabor Piri Piri Project Address: 800 B Ave., Suite 804 DOCUMENTATION AUTHOR'S DECLARATION STATEMENT I certify that this Certificate of Compliance documentation is accurate and complete Documentation Author Name: Documentation Author Signature: Riverside Engineering Signature Date: Company: 11/04/22 CEA/ HERS Certification Identification (if applicable): 11801 Pierce St., Suite 200 City/State/Zip: Riverside, Ca. 92505 951-512-3280 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: Responsible Designer Signature: W BUNG 11/04/22 Riverside Engineering Date Signed: 11801 Pierce St., Suite 200 E22318 License: City/State/Zip: 888-401-7483 Riverside, Ca. 92505

 $\overline{\text{CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance:} \\ \underline{\text{http://www.energy.ca.gov/title24/2019standards}}$ Riverside Engineering

> MECHANICAL ELECTRICAL PLUMBING ENERGY CONSULTANTS 888.401.7483 Email: Info@Riv-Eng.com www.Riv-Eng.com 11801 Pierce St., Suite 200 Riverside, California 92505 (By Appointment Only)

DRAWN BY: PROJECT# -NUMBER DESCRIPTION DATE

DRAWINGS PREPARED BY:

COMPLIANCE

E4.2

### CAL GREEN MECHANICAL NOTES GENERAL NOTES THE TOTAL INSTALLATION SHALL COMPLY WITH ANY AND ALL REQUIREMENTS OF THE LEGALLY CONSTITUTED AUTHORITIES HAVING JURISDICTION INCLUDING 2019 CBC (CALIFORNIA BUILDING CODE), 2019 CMC/CPC (CALIFORNIA MECHANICAL AND PLUMBING CODE AND 2019 TITLE 24 ENERGY CODE) 1. AT THE TIME OF ROUGH INSTALLATION, OR DURING STORAGE ON THE CONSTRUCTION SITE, AND UNTIL FINAL STARTUP OF THE HEATING & COOLING EQUIPMENT, ALL 2. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS UNDER WHICH HE WILL BE REQUIRED DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEETMETAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF 3. ALL INDICATED DIMENSIONS ARE APPROXIMATE AND ARE GIVEN FOR ESTIMATE PURPOSES ONLY. BEFORE PROCEEDING WITH THE WORK THIS CONTRACTOR SHALL DUCTS OR DEBRIS WHICH MAY COLLECT IN THE SYSTEM. CALGREEN 5.504.3 CAREFULLY CHECK AND VERIFY ALL DIMENSIONS, SIZES, REQUIRED CLEARANCES AND SHALL ASSUME FULL RESPONSIBILITY FOR THE FITTING OF ALL EQUIPMENT AND MATERIALS HEREIN REQUIRED TO OTHER PARTS OF THE WORK OF OTHER TRADES. DUCT DIMENSIONS SHOWN ON PLANS ARE NET INSIDE CLEAR. ADHESIVES, SEALANTS, AND CAULKS SHALL MEET THE REQUIREMENTS OF TABLE 5.504.4.1 CALGREEN 5.504.4.1 4. THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC TO THE EXTENT THAT ALL OFFSETS, BENDS, SPECIAL FITTINGS AND LOCATIONS ARE NOT EXACTLY LOCATED. ALL TESTING & ADJUSTING OF SYSTEMS SHALL BE REQUIRED FOR BUILDINGS DUCTWORK DIMENSIONS SHOWN ON THE DRAWINGS ARE NET INSIDE DIMENSIONS. DO NOT FABRICATE DUCTWORK FROM THESE DRAWINGS. THE MECHANICAL CONTRACTOR LESS THAN 10,000 SQUARE FEET CALGREEN 5.410.4 IS RESPONSIBLE FOR SUPPLYING SHOP DRAWINGS WHICH REFLECT THE PROPOSED INSTALLATION. THE SHOP DRAWINGS MUST BE APPROVED BY THE ENGINEER PRIOR TO DEVELOP A WRITTEN PLAN OF PROCEDURES FOR TESTING AND ADJUSTING ANY SHEET METAL FABRICATION. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ACCURATE AS-BUILT DRAWINGS AT THE COMPLETION OF THE PROJECT AND SUBMITTING THEM TO THE ENGINEER AND OWNER. OF HVAC SYSTEMS. CALGREEN 5.410.4.2 PERFORM TESTING AND ADJUSTING PROCEDURES IN ACCORDANCE WITH 5. IN THE PREPARATION OF THESE DOCUMENTS, CERTAIN ASSUMPTIONS ARE MADE REGARDING EXISTING CONDITIONS. SOME OF THESE ASSUMPTIONS MAY NOT BE VERIFIABLE INDUSTRY BEST PRACTICES AND APPLICABLE STANDARDS ON EACH SYSTEM WITHOUT EXPENDING ADDITIONAL SUMS OF MONEY OR DESTROYING OTHERWISE ADEQUATE OR SERVICEABLE PORTIONS OF EXISTING BUILDINGS AND/OR EQUIPMENT. AS DETERMINED BY THE BUILDING OFFICIAL. THEREFORE, THE ENGINEER SHALL NOT BE HELD RESPONSIBLE FOR ANY CHANGES OR ADDITIONAL COSTS INCURRED DUE TO EXISTING CONDITIONS. BEFORE A NEW SPACE-CONDITIONING SYSTEM SERVING A BUILDING OR SPACE 6. THE CONTRACTOR SHALL COMPLY WITH ALL CONTRACT DOCUMENTS IN LAYING OUT HIS WORK AND EQUIPMENT. HE SHALL COORDINATE THE WORK OF THIS SECTION WITH IS OPERATED FOR NORMAL USE, THE SYSTEM SHALL BE BALANCED IN THE WORK OF OTHER TRADES AND ALL JOB CONDITIONS. ACCORDANCE WITH THE PROCEDURES DEFINED BY THE TESTING ADJUSTING AND BALANCING BUREAU NATIONAL STANDARDS, THE NATIONAL ENVIRONMENTAL BALANCING BUREAU PROCEDURAL STANDARDS, OR ASSOCIATED 7. THE INSTALLATION OF ACCESS PANELS OR OTHER INDICATING EQUIPMENT OR SPECIALTIES REQUIRING READING, ADJUSTMENT, INSPECTION, REPAIRS, REMOVAL OR REPLACEMENT SHALL BE CONVENIENTLY LOCATED WITH REFERENCE TO THE FINISHED BUILDING. AIR BALANCE COUNCIL NATIONAL STANDARDS OR AS APPROVED BY THE BUILDING OFFICIAL. CALGREEN 5.410.4.3.1 8. WHERE MATERIAL IS SHOWN ON THE DRAWINGS BUT NOT SPECIFIED, IT SHALL BE OF THE SAME TYPE AND QUALITY AS EXISTING MATERIAL. AFTER COMPLETION OF TESTING, ADJUSTING AND BALANCING, PROVIDE A FINAL REPORT OF TESTING SIGNED BY THE INDIVIDUAL RESPONSIBLE 9. PROVIDE MANUAL VOLUME DAMPERS AT UPSTREAM PORTION OF ALL TERMINAL AIR BRANCHES. THESE SHALL BE OF THE LOCKING QUADRANT TYPE. WHERE LOCATED OVER FOR PERFORMING THE SERVICE. CALGREEN 5.410.4.4 SLOPED OR HARD CEILINGS, PROVIDE DURO-DYNE ANGLE GEAR DRIVE OR BOWDEN CABLE CONTROL SYSTEM OR PROVIDE UNITED ENERTECH POWER/BALANCE SYSTEM. REMOTE PLATE LOCATIONS TO BE LOCATED AS DETERMINED BY ARCHITECT. BUILDING OWNER OR REPRESENTATIVE SHALL BE PROVIDED WITH DETAILED OPERATING & MAINTENANCE INSTRUCTIONS AND COPIES OF GUARANTIES, 10. PROVIDE MINIMUM 1" ACOUSTICAL LINING IN ALL DUCTWORK WITHIN 10 FEET OF ALL AIR MOVING EQUIPMENT. PROVIDE DURO-DYNE FLEXIBLE CONNECTION AT ALL DUCT AT WARRANTIES FOR EACH SYSTEM. O & M INSTRUCTIONS SHALL BE CONSISTENT EQUIPMENT LOCATIONS. WITH OSHA REQUIREMENTS IN CCR, TITLE 8, SECTION 5142, AND OTHER REGULATED REGULATIONS CALGREEN 5.410.4.5 11. INSULATION THICKNESS FOR ENERGY PERFORMANCE SHALL BE BASED ON TITLE 24 ENERGY CODE AND REGULATIONS OR UNLESS OTHERWISE STATED ON FLOOR PLANS. INCLUDE A COPY OF ALL INSPECTION VERIFICATIONS AND REPORTS (R-8 INSULATION) REQUIRED BY THE ENFORCING AGENCY CALGREEN 5.410.4.5.1 12. WHERE NOT SPECIFICALLY INDICATED OTHERWISE, ALL DUCTWORK AND EQUIPMENT SHALL BE SUPPORTED PER THE SMACNA GUIDELINES FOR SEISMIC RESTRAINT AND 10. IN MECHANICALLY VENTILATED BUILDINGS, PROVIDE REGULARLY OCCUPIED CURRENT APPLICABLE UNIFORM MECHANICAL CODE. AREAS OF THE BUILDING WITH AIR FILTRATION MEDIA FOR OUTSIDE AND RETURN AIR PRIOR TO OCCUPANCY THAT PROVIDES AT LEAST A MINIMUM 13. WHEN A FIRE ALARM SYSTEM WITH FULL COVERAGE SMOKE DETECTORS ARE PROVIDED, DUCT SMOKE DETECTORS MAY BE ELIMINATED. FIRE ALARM CONTRACTOR SHALL EFFICIENCY REPORTING VALUE (MERV) OF 8. CALGREEN 5.504.5.3 WIRE SMOKE/FIRE DAMPER ACTIVATORS TO AREA SMOKE DETECTORS. 11. MECHANICALLY OR NATURALLY VENTILATED SPACES IN BUILDINGS SHALL MEET THE MINIMUM REQUIREMENTS OF SECTION 121 (REQUIREMENTS FOR 14. TESTING, ADJUSTING, AND BALANCING (TAB) OF THE AIR CONDITIONING SYSTEMS AND RELATED ANCILLARY EQUIPMENT WILL BE PERFORMED BY A CERTIFIED, INDEPENDENT VERIFICATION) OF THE CALIFORNIA ENERGY CODE, TITLE 24, PART 6, OR THE THIRD PARTY, AABC AGENCY PROCURED BY THE MECHANICAL CONTRACTOR. A COMPLETE AIR BALANCE REPORT TO BE SUBMITTED TO THE ADMINISTRATIVE AUTHORITY AND APPLICABLE LOCAL CODE, WHICHEVER IS MORE STRINGENT, AND TO THE MECHANICAL ENGINEER AND APPROVED PRIOR TO FINAL PAYMENT. CHAPTER 4 OF CCR, TITLE 8 15. AIR HANDLING DUCT SYSTEMS SHALL BE CONSTRUCTED, INSTALLED AS PROVIDED IN CHAPTER 6 OF 2019.CMC. BUILDINGS EQUIPPED WITH DEMAND CONTROL VENTILATION, C02 SENSORS AND VENTILATION CONTROLS SHALL BE SPECIFIED AND INSTALLED IN 16. MATERIALS EXPOSED WITHIN DUCTS OR PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL HAVE FLAME SPREAD INDEX NOT GREATER THAN 25 AND A SMOKE DEVELOPED ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT EDITION OF THE INDEX NOT GREATER THAN 50 (2019 CMC SECTION 602.2). CALIFORNIA ENERGY CODE, CCR, TITLE 24, PART 6, SECTION 120.1(c) CALGREEN 5.506.2 17. UNLESS OTHERWISE STATED, MAXIMUM LENGTH FOR FLEXIBLE DUCTWORK SHALL NOT EXCEED SEVEN FEET (5'-0"). ALUMINUM FLEX DUCTWORK WILL NOT BE ALLOWED ON 13. INSTALLATION OF HVAC, REFRIGERATION, AND FIRE SUPPRESSION EQUIPMENT ANY PORTION OF THE DUCTWORK SYSTEM. SHALL COMPLY WITH SECTIONS 5.508.1.1 AND 5.508.1.2 18. ANY SUBSTITUTION MADE BY THE CONTRACTOR THAT IS DIFFERENT FROM WHAT IS SPECIFIED ON THE DRAWINGS SHALL BE CLEARLY INDICATED ON THE SUBMITTAL AS TO 5.508.1 CHLOROFLUOROCARBONS (CFC'S) INSTALL HVAC, REFRIGERATION, ALL THAT IS BEING SUBSTITUTED. AND FIRE SUPPRESSION EQUIPMENT THAT DO NOT CONTAIN CFC'S 5.508.1.2 HALONS. INSTALL HVAC, REFRIGERATION, AND FIRE SUPPRESSION 19. DURING CONSTRUCTION, ALL DUCT AND OTHER AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC OR OTHER ACCEPTABLE MATERIAL TO EQUIPMENT THAT DO NOT CONTAIN HALONS REDUCE THE AMOUNT OF DUST OR DEBRIS WHICH MAY COLLECT IN THE SYSTEM. 14. THE PERMANENT HVAC SYSTEM SHALL ONLY BE USED DURING CONSTRUCTION IF 20. AUTO SHUTOFF FOR AIR-MOVING SYSTEMS SUPPLYING AIR IN EXCESS OF 2.000 CFM INTO THE ENCLOSED AREA ARE REQUIRED PER CMC SECTION 608.1. NECESSARY TO CONDITION THE BUILDING WITHIN THE REQUIRED TEMPERATURE RANGE FOR MATERIAL AND EQUIPMENT INSTALLATION. IF THE HVAC SYSTEM IS 21. AIR CONDITIONING REFRIGERATION SERVICE PORTS LOCATED OUTDOORS SHALL BE FITTED WITH LOCKING-TYPE TAMPER RESISTANT CAP OR SHALL BE PROTECTED FROM USED DURING CONSTRUCTION, USE RETURN AIR FILTERS WITH A MINIMUM EFFICENCY UNAUTHORIZED ACCESS BY A MEANS ACCEPTABLE TO THE BUILDING DEPARTMENT PER CMC SECTION 1006.14 REPORTING VALUE OF (MERV) 8. BASED ON ASHRAE 52.2-1999. OR AN AVERAGE EFFICIENCY OF 30 PERCENT BASED ON ASHRAE 52.1-1992. REPLACE ALL 22. THE INSTALLATION OF VALVES, THERMOMETERS, GAUGES, CLEANOUTS, DAMPERS, DUCT ACCESS DOORS OR OTHER INDICATING EQUIPMENT OR SPECIALTIES REQUIRING FILTERS IMMEDIATELY PRIOR TO OCCUPANCY, READING, ADJUSTMENT, INSPECTION, REPAIRS, REMOVAL OR REPLACEMENT SHALL BE CONVENIENTLY AND ACCESSIBLY LOCATED WITH REFERENCE TO THE FINISHED BUILDINGS SHALL MEET OR EXCEED THE PROVISIONS OF 2019 CALIFORNIA BUILDING CODE, CCR, TITLE 24, PART 2, SECTIONS 1203 (VENTILATION) AND CHAPTER 14 23. ALL LINE VOLTAGE WIRING, EQUIPMENT AND LINE VOLTAGE CONDUIT SHALL BE BY THE ELECTRICAL CONTRACTOR. LOW VOLTAGE WIRING AND LOW VOLTAGE CONDUIT SHALL EXTERIOR WALLS CALGREEN 5.505.1 BE BY THE HVAC CONTRACTOR. VERIFY ELECTRICAL CHARACTERISTICS PRIOR TO BID AND MATERIAL PURCHASE 24. FINAL LOCATIONS OF THERMOSTAT OR SENSORS TO BE VERIFIED WITH THE OWNER AND MECHANICAL ENGINEER BRACING & MOUNTING NOTES 25. THERMOSTATS ON EXTERIOR WALLS ARE TO BE MOUNTED ON A THERMAL ISOLATION BASE 26. THERMOSTATS SHALL BE MOUNTED AT 4'-0" ABOVE FINISHED FLOOR. SEE DETAIL, THIS SHEET, FOR THERMOSTATS LOCATED OVER OBSTRUCTIONS. PIPES, DUCTS AND CONDUITS SHALL BE SUPPORTED AND BRACED PER THE SMACNA "GUIDELINES FOR 27. WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER AND 1. SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING SYSTEMS", THE "SUPERSTRUT SEISMIC AUTHORITY HAVING JURISDICTION. RESTRAINT SYSTEM" FOR PIPES AND CONDUITS ONLY. 28. ALL MISCELLANEOUS DUCTS, PIPES, ETC. SHALL BE BRACED IN ACCORDANCE WITH LATEST SMACNA GUIDELINES/DETAILS INCLUDING LATEST SEISMIC RESTRAINT MANUAL. SHEET INDEX 29. ALL CONDENSATE PIPING SHALL BE TYPE "L" COPPER AND BE INSTALLED WITH A 2-1/2" DEEP TRAP. SIZES TO BE AS INDICATED ON PLUMBING DRAWINGS. 30. INSTALL TURNING VANES IN RIGHT ANGLE ELBOWS AND DEFLECTORS IN RECTANGULAR BRANCHES. 31. INSTALL ACCESS DOORS AND CEILING ACCESS PANELS FOR DAMPERS AND CONTROLS LOCATED IN INACCESSIBLE LOCATIONS. COORDINATE FINAL LOCATIONS WITH Sheet # **Sheet Name** M0.1 MECHANICAL LEGEND, NOTES AND SYMBOLS 32. INSTALL COMBINATION FIRE/SMOKE DAMPERS IN DUCTS PENETRATING FIRE RATED PARTITIONS. COORDINATE ALL FIRE RATED PARTITIONS WITH ARCHITECTURAL DRAWINGS. M0.2 MECHANICAL SCHEDULES M2.1 MECHANICAL REMODEL PLAN 33. FOR EXACT LOCATIONS OF DIFFUSERS AND REGISTERS SEE ARCHITECTURAL DRAWINGS. M4.1 MECHANICAL DETAILS M5.1 HOOD SPECIFICATIONS 34. INSTALL ALL FRESH AIR INTAKES 10'-0" FROM ANY AND ALL SANITARY VENTS OR EXHAUST FAN DISCHARGE. WHEN NECESSARY, EXTEND VENTS OR PROVIDE ADDITIONAL

FRESH AIR INTAKE DUCTWORK AS DIRECTED BY THE MECHANICAL ENGINEER.

SHALL BE FURNISHED BY THE CONTRACTOR TO THE OWNER.

APPROVED ASSEMBLY APPROVED BY THE STATE FIRE MARSHALL.

CALIFORNIA ENERGY CODE.

THE SITE.

THE OWNER OR ENGINEERS OF RECORD.

M5.2 HOOD SPECIFICATIONS

M6.1 TITLE 24 - ENERGY COMPLIANCE FORMS

ARCHITECT FOR FINAL LOCATIONS OF WALL/CEILING PLATES.

43. BALANCING VOLUME DAMPERS LOCATED ABOVE INACCESSIBLE HARD CEILINGS SHALL BE UNITED

45. WHERE BRACING DETAILS ARE NOT SHOWN ON THE DRAWINGS OR IN THE GUIDELINES, THE FIELD

INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT AND MECHANICAL

ENERTECH MODEL Hi-i-3 (REMOTE CONTROL DAMPER SYSTEM) OR EQUAL. CONTRACTOR SHALL

44. ALL BRACING OF DUCTS AND PIPING SHALL BE INSTALLED IN ACCORDANCE WITH SMACNA GUIDELINES.

FIELD VERIFY EXACT DAMPER LOCATIONS AND ASSOCIATED CEILING TYPE. COORDINATE WITH

		SQUARE OR RECTANGULAR DUCT
	(L)	DUCT WITH ACOUSTIC LINER (IN ADDITION TO WHERE SPECIFIED)
· · · · · · · · · · · · · · · · · · ·		ROUND DUCT
		FLEXIBLE ROUND DUCT
UP (OR DN)		DUCT SLOPE DIRECTION
<b>→</b> — <b>→</b> — —		DUCT UP OR DOWN
		DUCT TRANSITION
<i></i>		RADIUS ELBOW
<u></u>		RECTANGULAR/SQUARE DUCT THROAT ELBOW WITH VANES
OR —		SQUARE 45 DEGREE ENTRY BRANCH CONNECTION
, , on , , ,		ROUND DUCT WYE FITTING
OR		RECTANGULAR DUCT PARALLEL FLOW BRANCH
7		THROAT SIZE ON RECTANGULAR DUCT SPLIT
"TH OR F— "TH		DUCT TAKE-OFF FROM BOTTOM
OR L		
OR FULL	10/5	DUCT TAKE-OFF FROM TOP
<b>V V</b>	MVD	MANUAL VOLUME DAMPER
	FD	FIRE DAMPER
		MOTORIZED DAMPER
	CR	CEILING REGISTER (RETURN OR OUTSIDE AIR)
×	CD	CEILING DIFFUSER (SUPPLY)
	CR	CEILING REGISTER (EXHAUST AIR)
		SUPPLY AIR DUCT SECTION
		RETURN OR OUTSIDE AIR DUCT SECTION
		EXHAUST AIR DUCT SECTION
		SUPPLY AIR DUCT UP THRU FLOOR OR ROOF
		RETURN OR OUTSIDE AIR DUCT UP THRU FLOOR OR ROOF
		EXHAUST AIR DUCT UP THRU FLOOR OR ROOF
	LVR	DOOR LOUVER AND SQUARE FOOT FREE AREA
└ 2 <del>─ U ─</del>		UNDERCUT DOOR 3/4"
C	S.P.	STATIC PRESSURE
	DIA.	ROUND (DIAMETER)
	CFM	CUBIC FEET OF AIR PER MINUTE
	UTR	UP THRU ROOF
	DTR	DOWN THRU ROOF
	EXH.	EXHAUST
	OSA	OUTSIDE AIR
	R. OR RET.	RETURN
	S. OR SUPP.	SUPPLY
	TEMP.	TEMPERATURE
	TYP.	TYPICAL
XX		EQUIPMENT NUMBER
X	T'STAT.	THERMOSTAT OR TEMPERATURE SENSOR WITH EQUIPMENT NUMBER
AC-4 (T)	I STAT.	(SEE THERMOSTAT OVER OBSTRUCTION DETAIL THIS SHEET)
( <u>Co2</u> )	Co2	CARBON DIOXIDE SENSOR
	BDD	BACKDRAFT DAMPER
	(L)	LINED DUCT
	EMS AFF	ENERGY MANAGEMENT SYSTEM
	CFM	ABOVE FINISHED FLOOR  CUBIC FEET PER MINUTE
	TG	TOP GRILLE (SUPPLY)
	TR	TOP REGISTER (RETURN, EXHAUST OR OUTSIDE AIR)
	SD	SLOT DIFFUSER (SUPPLY)
;		REFRIGERANT LIQUID
∫		REFRIGERANT LIQUID  REFRIGERANT SUCTION  DUCT SMOKE DETECTOR
SD	SD	DUCT SMOKE DETECTOR
		FALE

MECHANICAL LEGEND

**DESCRIPTION** 

ABBREV.

SYMBOL



DRAWN BY: PROJECT# NUMBER DESCRIPTION

DRAWINGS PREPARED BY



MECHANICAL ELECTRICAL PLUMBING ENERGY CONSULTANTS 888.401.7483 Email: Info@Riv-Eng.com www.Riv-Eng.com

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EXP 12-31-2022 /-

MECHANICAL LEGEND NOTES AND SYMBOLS SHEET:

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35. THE SIZES, WEIGHTS AND CAPACITIES OF ALL EQUIPMENT SCHEDULED ON THE PLANS HAVE BEEN CAREFULLY COMPUTED. SHOULD EQUAL ITEMS BY DIFFERENT

INSTALLATION. PROVIDE LOAD RATINGS AND SEISMIC CALCULATIONS AS APPROVED BY A REGISTERED STRUCTURAL ENGINEER WITH EACH SUBMITTAL.

PENETRATE FOR WORK. OPENINGS SHALL BE SEALED TO MEET THE FIRE RATING OF THE PARTICULAR WALL, FLOOR OR CEILING PENETRATED.

APPROVED DRAWINGS UNTIL THEY HAVE BEEN REVIEWED AND APPROVED BY THE STRUCTURAL ENGINEER AND ARCHITECT.

MANUFACTURERS (SEE SPECIFICATIONS) BE SUBMITTED FOR APPROVAL, ALL SUCH SUBMITTALS SHALL INCLUDE 1/4" SCALE SHOP DRAWINGS SHOWING METHOD OF

36. REQUIRED ROUTINE MAINTENANCE ACTION SHALL BE CLEARLY STATED AND INCORPORATED ON A READILY ACCESSIBLE LABEL, WHICH MAY BE LIMITED TO IDENTIFYING BY

TITLE AND/OR PUBLICATION NUMBER THE OPERATION AND MAINTENANCE MANUAL FOR THAT PARTICULAR MODEL AND TYPE OF PRODUCT. ONE COPY OF THIS INFORMATION

37. THE CONTRACTOR SHALL PROVIDE STATEMENT OF COMPLIANCE DOCUMENTATION AS OUTLINED IN THE MECH-1C CERTIFICATE OF COMPLIANCE FORM PER THE 2019 TITLE 24

PLANS SHALL BE INCURRED BY THE CONTRACTOR. ANY DISCREPANCIES, AMBIGUITIES OR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER DURING BID TIME FOR CLARIFICATION. ANY SUCH CONFLICTS NOT CLARIFIED PRIOR TO BID SHALL BE SUBJECT TO THE INTERPRETATION OF THE ENGINEER AT NO ADDITIONAL COST TO

39. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DO ALL CORING, SAW CUTTING, PATCHING AND REFINISHING OF WALLS AND SURFACES WHEREVER IT IS NECESSARY TO

40. CUTTING, BORING, SAW CUTTING OR DRILLING THROUGH THE STRUCTURAL ELEMENTS IS NOT TO BE STARTED IF THE PENETRATIONS DO NOT SHOW OR CONFORM TO THE

42. BEFORE BIDDING THE PROJECT THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY THE CLEARANCES AVAILABLE TO BRING THE SPECIFIED EQUIPMENT AND MATERIAL TO

41. PENETRATIONS OF PIPES, CONDUITS, ETC., IN WALLS REQUIRING PROTECTED OPENINGS SHALL BE FIRE STOPPED. FIRE STOP MATERIAL SHALL BE A U.L. TESTED AND

38. COORDINATE WORK WITH ALL TRADES AT THE SITE. COSTS TO INSTALL WORK TO ACCOMPLISH SAID COORDINATION WHICH DIFFERS FROM THE WORK AS SHOWN ON THE

			DUCTL	ESS A	C U	NIT	SCHE	DULE		
		MANUEACTURER			FAN D	ATA	ELEC.	TRICAL	WEIGHT	
SYMBOL	MATCHING UNIT	MANUFACTURER AND MODEL NO.	AREAS SERVED	LOCATION	.,,,,,		MOTOR	V/PH/HZ	(LBS)	REMARKS
					CFM	ESP	HP/WATTS			
AC 1	HP 1	"FUJITSU" ASUH24LPAS	WAITING AREA	WALL	600	-	-	208/230/1/60	29.0	PROVIDE 1/4" LIQUID LINE & 1/2" GAS LINE. 1

1) INDOOR UNIT IS POWERED FROM THE OUTDOOR UNIT.

TOTAL:

APPLICATION

KITCHEN AREA

WAITING AREA

			SIN	IGLI	E-ZC	NE	ΗE	AT I	PUMP	SCH	EDULE
SYMBOL	MANUFACTURER AND MODEL NO.	RATED COOLING CAPACITY	RATED HEATING CAPACITY	UN MCA	IIT MOCP	SEER	EER	HSPF	V/PH/HZ	WEIGHT (LBS)	REMARKS
HP 1	"FUJITSU" AOUH24LPAS1	24,000	24,000	17.2	20.0	19.0	9.2	11.0	208-230/1/60	86.0	PROVIDE 1/4" LIQUID LINE & 1/2" GAS LINE.

	FRESH	AIR DESIGN (	CALCULATIO	N		
LOOR AREA SQ. FT)	OCCUPANTS	PEOPLE OUTDOOR AIR RATE(CFM/OCC.)	AREA OUTDOOR AIR RATE(CFM/SQ.FT)	OUTDOOR AIR REQUIRED (CFM)	OUTDOOR AIR PROVIDED (CFM)	
275	4	7.5/OCC=30 CFM	0.12	63	75	
135	5	7.5/OCC=37.5 CFM	0.18	62	60	

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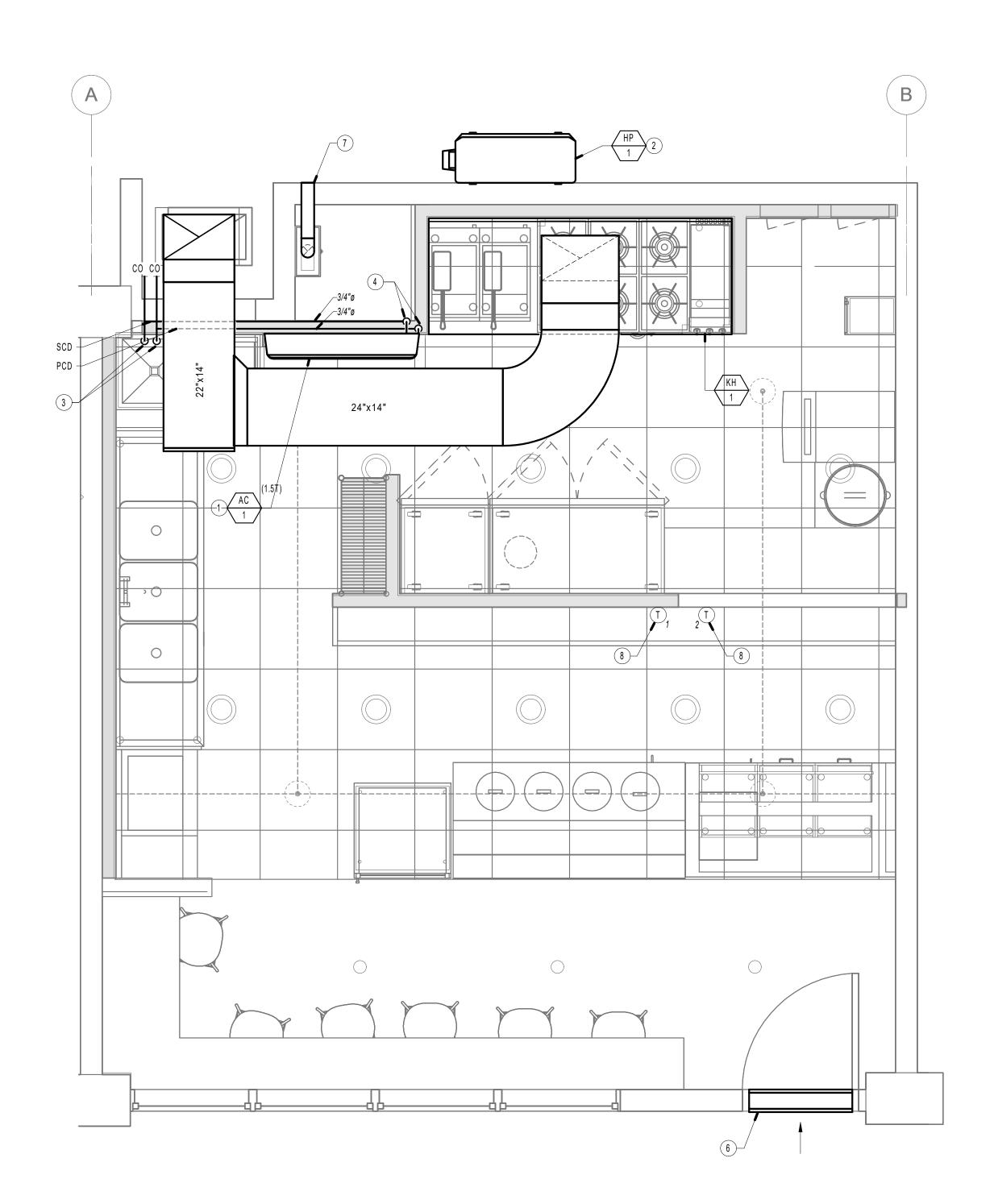
MECHANICAL SCHEDULES

M0.2

Riverside Engineering MECHANICAL

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MECHANICAL FLOOR PLAN

NORTH

1/2" = 1'-0"

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### REFERENCE NOTES

- 1 NEW WALL-MOUNTED DUCTLESS AC UNIT. REFER TO SHEET M0.2 FOR SPECIFICATION.
- 2 NEW WALL-MOUNTED HEAT PUMP UNIT. REFER TO SHEET M0.2 FOR SPECIFICATION.
- 3 3/4" PRIMARY AND SECONDARY CONDENSATE DRAIN LINE DOWN IN
- 4 3/4" PRIMARY AND SECONDARY CONDENSATE DRAIN LINE DOWN IN
- 5 6"ø EXHAUST DUCT WITH BACKDRAFT DAMPER THRUWALL AND CAPPED. DISCHARGE 10'-0" MIN. AWAY FROM PROPERTY LINE,
- ABOVE GRADE, AND ANY AIR INTAKE IN THE BUILDING.

  (6) PROVIDE 32"x16" INTAKE OPENING WITH 1/2" MESH SCREEN.
- 7) CONCENTRIC VENT THRU WALL, WITH WALL CAP NOZZLE.
- 8 NEW THERMOSTAT. MOUNT 48" A.F.F PER MANUFACTURER'S RECOMMENDATION.

### NOTES:

1.) CONTRACTOR TO COORDINATE WITH THE ARCHITECT TO PROVIDE A FURRED WALL IF THE PIPE IS GOING DOWN AGAINST A CONCRETE WALL.

2.) MINIMUM SLOPE SHALL BE 2% AT ALL GRAVITY LINES.

3.) PROVIDE A MINIMUM RATING OF MERV-13 AIR FILTER FOR ALL MECHANICAL VENTILATED UNITS PER CMC 2019, SEC. 401.2.

### EXHAUST RATE CALCULATION

CMC 2019, TABLE 403.7

275 S.F X 0.70(KITCHEN, COMMERCIAL) = 189 CFM

USE 190 CFM EXHAUST FAN

### COMBUSTION AIR CALCULATION

COMBUSTION AIR FROM OUTSIDE:

ROOM VOLUME = BTU OF BURNING APPLIANCES x 50 / 2000 = MIN.

WATER HEATER = 40,000 BTU

40,000 BTU x 50 / 2000 = 1,000 CUBIC FEET REQUIRED

ROOM SIZE OF: 275 S.F x 9'-0"(CEILING HEIGHT) = 2,475 CUBIC FEET 1,000<2,475 = ROOM SPACE FOR WATER HEATER COMBUSTION IS SUFFICIENT, THEREFORE, A MINIMUM OF 100 SQ.IN OPENING CAN BE ADDED FOR ADDITIONAL VENTILATION PER CPC 2019, SEC. 506.4.

ASSUME 10"X10" OPENING = 100 SQ. IN

PROVIDE TWO (2) 10"X10" OPENING, ONE WITHIN 12" OF FLOOR AND ONE WITHIN 12" OF THE CEILING.



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SABOR

Riverside Engineering

TITLE:

MECHANICAL

REMODEL PLAN

M2.1

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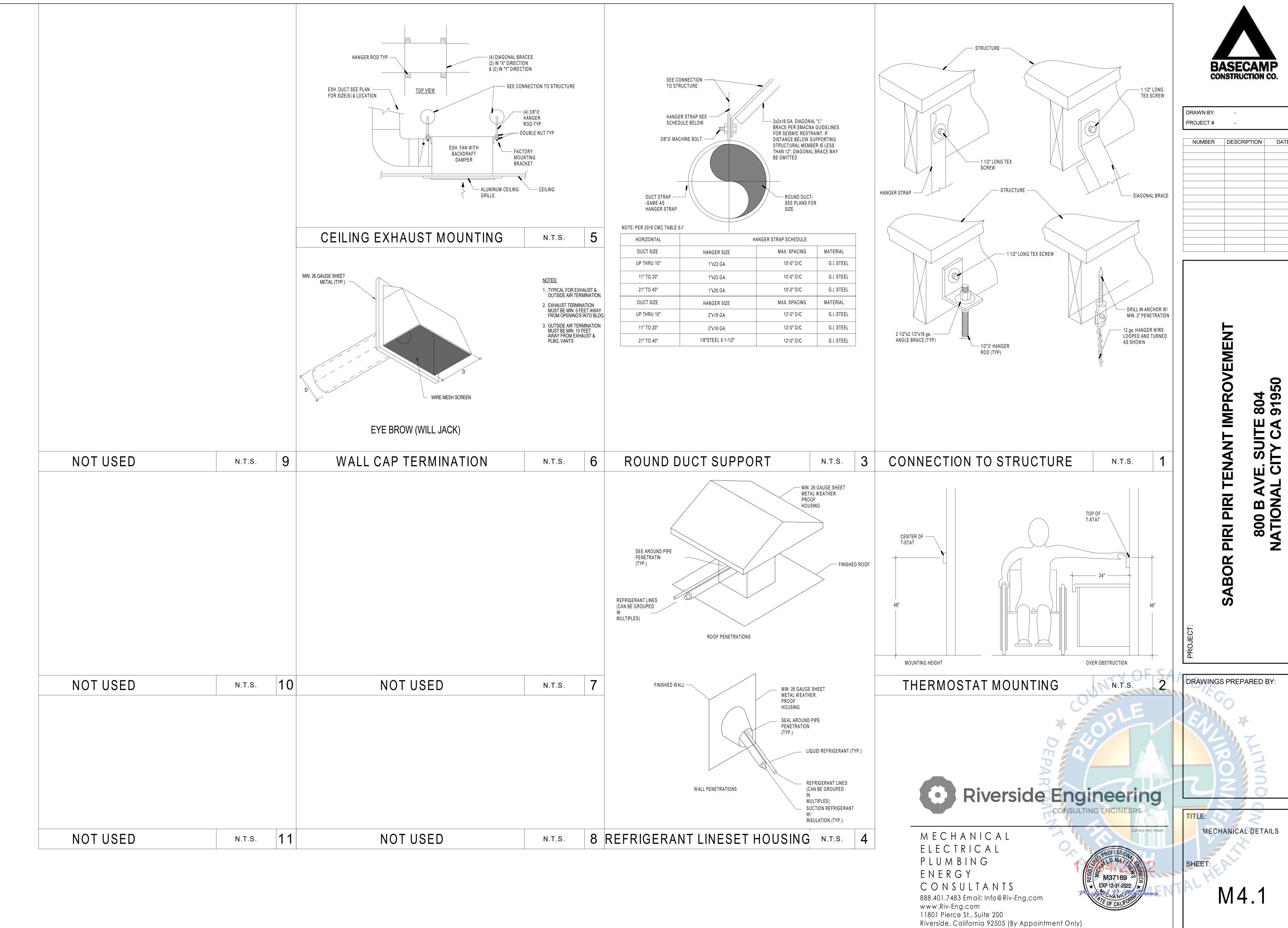
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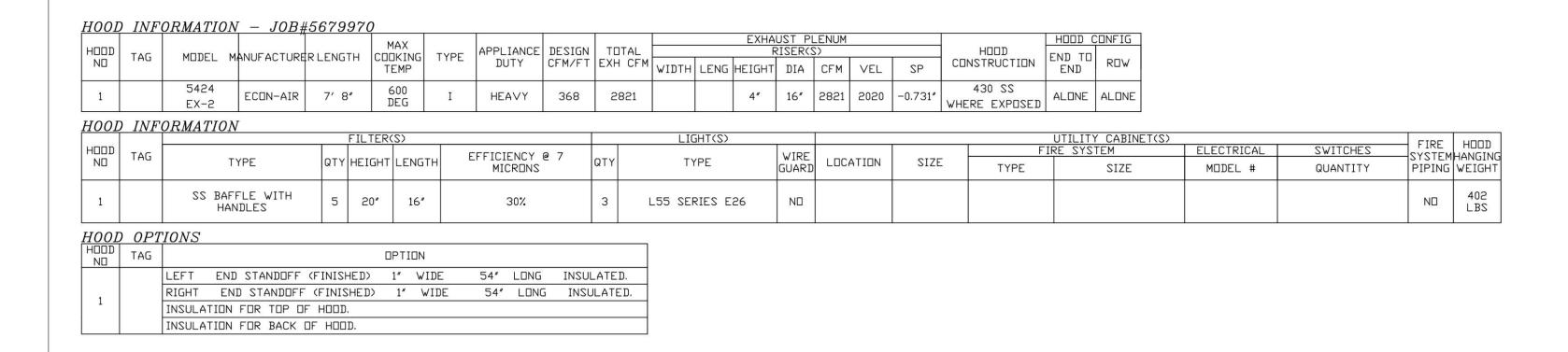
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PLUMBING

ENERGY



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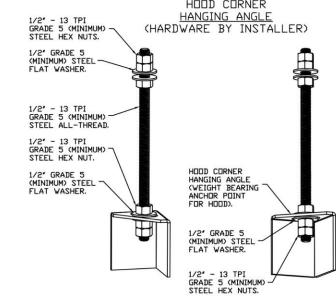
1' LAYER OF INSULATION
FACTORY INSTALLED IN
— 1.00' END STANDOFF MEETS
O' REQUIREMENTS CLEARANCE
TO COMBUSTIBLE SURFACES.

1" LAYER OF INSULATION FACTORY INSTALLED IN INTERNAL BACK STANDOFF. MEETS 0 INCH REQUIREMENTS FOR CLEARANCE TO COMBUSTIBLE SURFACES.

- 7'-10.00" □VERALL LENGTH -

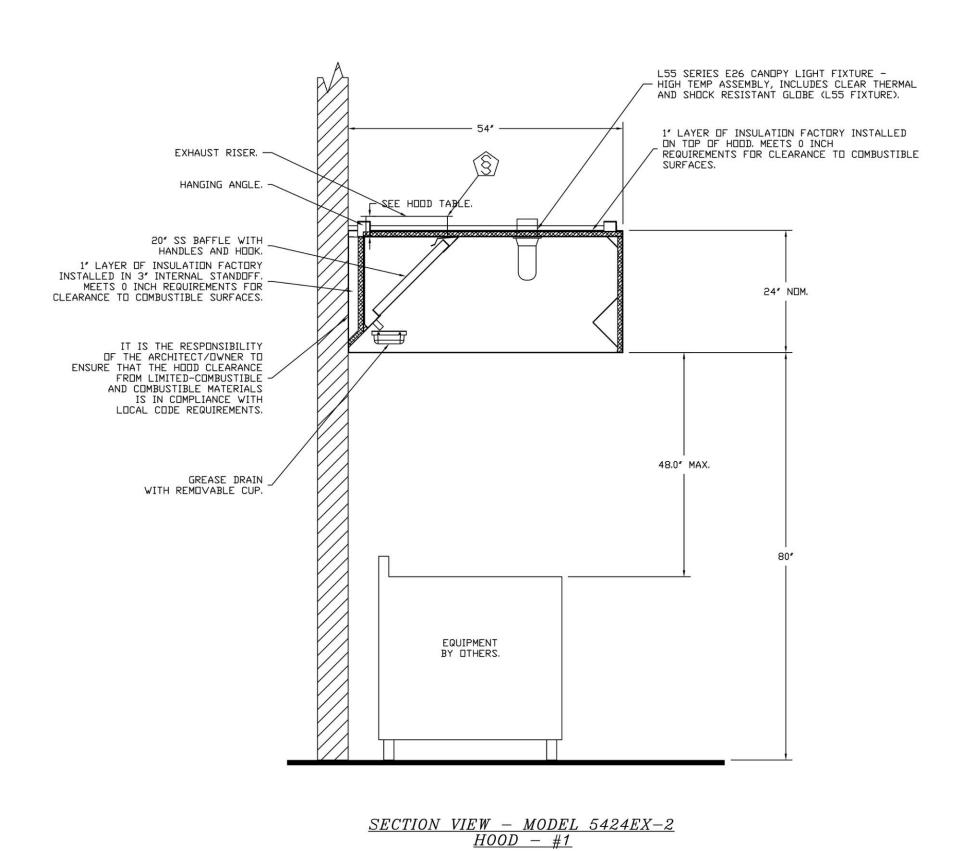
U.L. LISTED L55 SERIES E26 CANDPY LIGHT FIXTURE - HIGH TEMP ASSEMBLY.

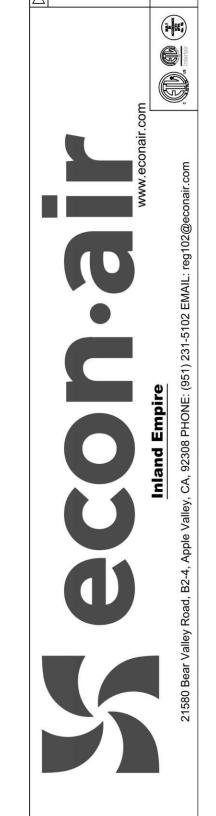
1" LAYER OF INSULATION
FACTORY INSTALLED IN
1.00" END STANDOFF MEETS —
0" REQUIREMENTS CLEARANCE
TO COMBUSTIBLE SURFACES.



### ASSEMBLY INSTRUCTIONS

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





REVISIONS DESCRIPTION

Sabor Piri Piri – National City

DATE: 10/25/2022 DWG.#: 5679970

DRAWN BY: CJ - 102

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

MASTER DRAWING

SHEET NO.



MECHANICAL
ELECTRICAL
PLUMBING
ENERGY
CONSULTANTS
888.401.7483 Email: Info@Riv-Eng

CONSULIANIS
888.401.7483 Email: Info@Riv-Eng.com
www.Riv-Eng.com
11801 Pierce St., Suite 200

BASECAMP CONSTRUCTION CO.

DRAWN BY:	-	
PROJECT#	-	
NUMBER	DESCRIPTION	DATI

SABOR PIRI TENANT IMPROVEMEI 800 B AVE. SUITE 804 NATIONAL CITY CA 91950

<u>A</u>

DRAWINGS PREPARED BY:

TITLE:

HOOD
SPECIFICATIONS

SHEET:

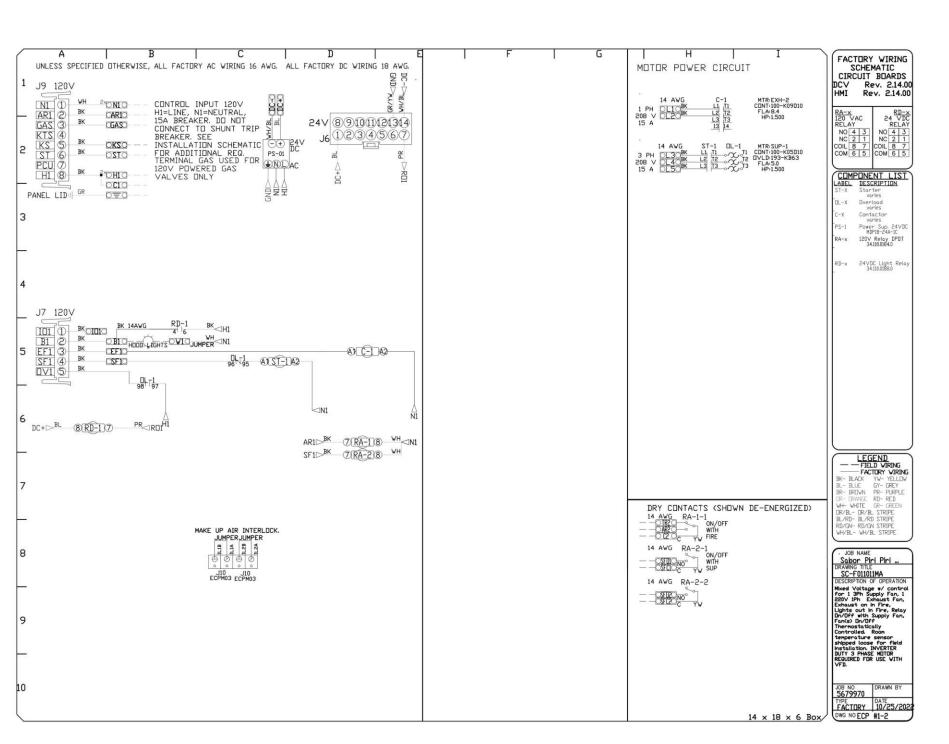
M5.1

Riverside, California 92505 (By Appointment Only)

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EL	ECTRICAL	PACKAGE -	- JOB#5679970								
N	TAG	PACKAGE # LOCATION		SWITCH	HES	OPTION	FANS CONTROLLED				
	100.00			LOCATION	QUANTITY	,=, ,==	TYPE	ф	HP	VOLT	FLA
1	KECP	SC-F011011MA	WALL MOUNT IN SS BOX	05 - SS WALL	1 LIGHT	SMART CONTROLS THERMOSTATIC CONTROL	SUPPLY	3	1.500	208	5.0
1	NECF	SC-F UITUIIMA	MHEE MIDOMI IN 22 BITY	MOUNT BOX	1 FAN	W/ RELAY ON/OFF WITH SUPPLY	EXHAUST	1	1.500	208	8.4

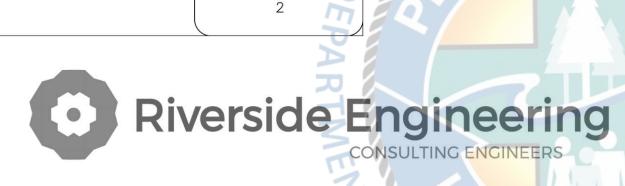
JOB NO 5679970	MODEL NUMBER SC-F01	1011MA	DRAWN BY SCHEMATIC 1 INSTAL		PTION OF OPERATION:  e w/ control for 1 3Ph Supply Fan, 1 220V 1Ph Exhaus	st Fan, Exhaust on in Fire, Lights out in
36/99/0	JOB NAME Sabor Piri Piri	- National Cl	DATE DWG NO ECP #	Relay On/Off field installat	e w/ control for 1 3Ph Supply Fan, 1 220V 1Ph Exhaus with Supply Fan, Fanks) On/Off Thermostatically Contr tion. INVERTER DUTY 3 PHASE MOTOR REQUIRED FOR USE w	olled. Room temperature sensor shipped /ITH VFD.
BREAKER PANEL TO PRI			ANEL TO ACCESSORY	ITEMS	CONTROL PANEL H1 O	BMS SVITCH
Responsibility: BREAKER SIZE SHOWN IS		CONTROL PANEL	onsibility: Electrician	COMPONENT		THROUGH BMS ZONE1 FANS AND
BREAKER PANEL	PRIMARY CONTROL PANEL	CUNTRUL PANEL			SWITCH LIGHTS	
BREAKER 1PH	HotO H1	CONTROL PANEL		MICROSWITCH 1		
120 V	Neutral ONI Ground OGND	FIRE SYSTEM ARIO		1.C ZINC		
15 A CONTROL POWER. TO GFCI OR SHUN	DO NOT WIRE TRIP	MICROSWITCH ARI	WIRE C1 TO COMMON (1). WIRE AR1 TO NORMALLY CLOSED (2).			
BREAKER.  1ST HODD LIGHT BREAKE CONTROL POWER. SWITCH			CI TO ARI SHOULD HAVE CONTINUITY WHEN ARMED.	MS-1_4:ND SAP		
CONTROL POWER, SWITCH	1 #1	C1 O		1:C 2:NC		
BREAKER 1PH	LEG 2O L2	IF MORE THAN ONE FIRE SYSTEM, WIRE IN SERIES AS SHOWN		MS-2 4:NU CAP 1:C 2:NC		
208 V MCA: 10.5 A EXH-2	GroundGND	AR1 O		1.00		
MDCP: 15 A						
	LINE 13	Ι Δ	ALL SWITCHES FACTORY WIRED			
BREAKER 3PH	LINE LINE	TO SWITCHES	CAT-5 CONNECTION			
MCA: 6.2 A	Ground GND					
SUP-1		CONTROL PANEL B1 O-	BLACK	HOOD LIGHTS 1		
		тв W1 О	WHITE	1-3		
. 33		1400 W MAX	WIRE TO J-BOX ON TOP OF HOOD			
CONTROL PANE	EL TO FANS					
Responsibility	Electrician	CONTROL PANEL TIA O	VIRE TO CONTROL BOARD, INSTALL	ROOM TEMP		
PRIMARY PANEL	FANS	KITCHEN TEMP	SENSOR IN ROOM AWAY FROM HEAT SOURCES, DO NOT INSTALL SENSOR	RUUM TEMP		
Load Wining T1LEG 1 / HOT _	FAN: 02 EXH-2		IN THE CEILING GRID, SEE MANUAL.			
C-1 T2 LEG 2 / NEUTRAL _	HP: 1500 VDLT: 208					
TO STARTER	WIRE TO		WIRE TO CONTROL BOARD. SENSOR MOUNTED IN EXHAUST DUCT	HOOD 1 RISER 1		
	DISCONNECT			8688677808775		
Load Wiring T1 - LDAD LEG 1	FAN: 01 SUP-1 FLA:5.0		THE FOLLOWING CONNECTIONS			
ST-1 T2 - LDAD LEG 8	BLACK OO VOLT: 208	v	MAY OR MAY NOT BE REQUIRED BASED ON JOBSITE SPECIFICATIONS			
TO STARTER GND GROUND	GREEN		HOT TO SHUNT COIL	SHUNT COIL		
WIRE TO	I FACTORY D CONDUIT DROP	SIGNAL FOR N1	NEUTRAL FROM SHUNT COIL	1-00-1		
- FRUVIDE		EXTERNAL	ST TERMINAL IS ENERGIZED IN FIRE CONDITION.			
		300000000000000000000000000000000000000	HOT_TO_CONTACTOR_COIL	CONTACTOR_COIL		
		SIGNAL FOR N1	NEUTRAL_TO_CONTACTOR_COIL			
			KS TERMINAL IS DE-ENERGIZED IN FIRE CONDITION.			
		CONTROL PANEL C2 O	CQMMQN			
		SPARE FIRE AR2	PARE CONTACTS WILL MAKE C2 TO	+-		
		SYSTEM DRY CONTACT	PARE CONTACTS VILL MAKE C2 TO INR VIEN SYSTEM IS ARMED, THEY IRE USED TO DISABLE EQUIPMENT IR PROVIDE SIGNALS. NOT FOR UILDING FIRE ALARM ALARM IGNAL MUST BE TAKEN DIRECTLY ROM FIRE SUPPRESSION CONTROLS RIO2/TANK/CORE)			
			UILDING FIRE ALARM ALARM IGNAL MUST BE TAKEN DIRECTLY			
			RIO2/TANK/CORE)			



In no event shall any party, client or otherwise copy or use any of the [concepts, plans, drawings, specifi cations, designs, models, reports, photographs, computer software, surveys, calculations, construction and other data, documents, and processes produced by the Consultant in connection with the Project (the "Instruments of Service")] for any purpose other than those noted above or in relation to any project other than the Project (the "Instruments of Service")] for any purpose other than those noted above or in relation to any project other than those noted above or in relation to any project other than those noted above or in relation to any project other than the Project (the "Instruments of Service")] for any purpose other than those noted above or in relation to any project other than the Project (the "Instruments of Service")] for any purpose other than those noted above or in relation to any project other than those noted above or in relation to any project other than the Project (the "Instruments of Service")] for any purpose other than those noted above or in relation to any project other than those noted above or in relation to any project other than the Project (the "Instruments of Service")] for any purpose other than those noted above or in relation to any project other than the Project (the "Instruments of Service")] for any purpose other than those noted above or in relation to any project other than the Project (the "Instruments of Service")] for any purpose other than those noted above or in relation to any project other than the Project (the "Instruments of Service")] for any purpose other than the Project (the "Instruments of Service")] for any purpose other than the Project (the "Instruments of Service")] for any purpose other than the Project (the "Instruments of Service")] for any purpose other than the Project (the "Instruments of Service")] for any purpose other than the Project (the "Instruments of Service")] for any purpose other than the Project (the "Instruments of Service")] fo



**DATE:** 10/25/2022 DWG.#: 5679970 DRAWN BY: CJ - 102 **SCALE:** 3/4" = 1'-0"



**MASTER DRAWING** 

SHEET NO.

MECHANICAL ELECTRICAL PLUMBING ENERGY CONSULTANTS

888.401.7483 Email: Info@Riv-Eng.com www.Riv-Eng.com 11801 Pierce St., Suite 200

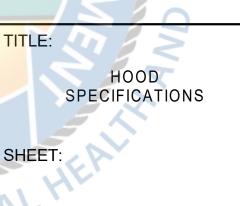
Riverside, California 92505 (By Appointment Only)



DRAWN BY:	-	
PROJECT#		
PROJECT#	-	
NUMBER	DESCRIPTION	DATE

SABOR

DRAWINGS PREPARED BY:



M5.2

state of california Mechanical Systems					
NRCC-MCH-E CERTIFICATE OF COMPLIANCE					CALIFORNIA ENERGY COMMIS  NRCC-W
This document is used to demonstrate compliance	50	cal systems that are within t	he scope of the permit applic	cation and are demonstrati	
path outlined in <u>§140.4</u> , or <u>§141.0(b)2</u> for alterat Project Name:	tions.	Sabor Piri Pi	ri Report Page:		(Page 1
Project Address:		800 B. Ave. Suite 80			10/17,
A. GENERAL INFORMATION					
01 Project Location (city)	T	National City	04 Total Conditioned F	loor Area	410
02 Climate Zone		7	05 Total Unconditioned		0
Occupancy Types Within Project:			06 # of Stories (Habital	ole Above Grade)	1
☐ Office (B)	☐ Retail (M	)	☐ Non-refrigerated W	arehouse (S)	
☐ Hotel/ Motel Guest Rooms (R-1)	☐ School (E	(1)	☐ Healthcare Facility (	1)	
☐ High-Rise Residential (R-2/R-3)	☐ Relocatal	ble Class Bldg (E)	☐ Other (write in)		See Table J
PROJECT SCOPE		-			
nis table Includes mechanical systems or compo	onents that are	within the scope of the per	mit application and are demo	onstratina compliance usin	a the prescriptive path outlined in
140.4, or §141.0(b)2 for alterations.	ments that are	within the scope of the pen	me application and are deme	motivating compilative dom	g the prescriptive path outlined in
01			02		03
Air System(s)		Wet Systen	n Components	Dry	System Components
☑ Heating Air System		☐ Water Economize	er	☐ Air Econo	mizer
		Pumps			esistance Heat
Mechanical Controls		☐ System Piping			ms
Mechanical Controls (existing to remain or new)	nain, altered	☐ Cooling Towers		☐ Ductwork	(existing to remain, altered or new
of new)		Chillers			n
		☐ Boilers			ems/ Terminal Boxes
<b>→</b> 100 × 1 × 100 × 110	esidential Compl	Registr iance Report	ation Date/Time: Version: 2019.1.003 a Version: rev 20200601		Registration Provider: Energy Report Generated: 2022-10-17 12:0
tate of California <b>Mechanical Systems</b> ircc-mch-e	esidential Compl	Registr iance Report	Version: 2019.1.003		Registration Provider: Energy Report Generated: 2022-10-17 12:0 CALIFORNIA ENERGY COMMIS
CA Building Energy Efficiency Standards - 2019 Nonres  TATE OF CALIFORNIA  Wechanical Systems  IRCC-MCH-E  CERTIFICATE OF COMPLIANCE	esidential Compl	Registr iance Report Schem	Version: 2019.1.003 a Version: rev 20200601		Registration Provider: Energy Report Generated: 2022-10-17 12:0 CALIFORNIA ENERGY COMMIS NRCC-N
CA Building Energy Efficiency Standards - 2019 Nonrestate of California  Aechanical Systems  RCC-MCH-E  ERTIFICATE OF COMPLIANCE  roject Name:	esidential Compl	Registr iance Report Schem	Version: 2019.1.003 a Version: rev 20200601 ri Report Page:		Registration Provider: Energy Report Generated: 2022-10-17 12:0 CALIFORNIA ENERGY COMMIS
CA Building Energy Efficiency Standards - 2019 Nonrestate of California  Aechanical Systems  RCC-MCH-E  ERTIFICATE OF COMPLIANCE  roject Name:	esidential Compl	Registr iance Report Schem Sabor Piri Pi	Version: 2019.1.003 a Version: rev 20200601 ri Report Page:		Registration Provider: Energy Report Generated: 2022-10-17 12:0  CALIFORNIA ENERGY COMMIS  NRCC-N (Page 5
CA Building Energy Efficiency Standards - 2019 Nonres  TATE OF CALIFORNIA  Mechanical Systems  IRCC-MCH-E  CERTIFICATE OF COMPLIANCE  Project Name:  Project Address:	esidential Compl	Registr iance Report Schem Sabor Piri Pi	Version: 2019.1.003 a Version: rev 20200601 ri Report Page:		Registration Provider: Energy Report Generated: 2022-10-17 12:0  CALIFORNIA ENERGY COMMIS  NRCC-N (Page 5
Registration Number:  CA Building Energy Efficiency Standards - 2019 Nonrestant of CALIFORNIA  Mechanical Systems  NRCC-MCH-E  CERTIFICATE OF COMPLIANCE  Project Name:  Project Address:  I. SYSTEM CONTROLS  *Notes: Controls with a * require a note in the specception 1 to §140.4(f)		Registr iance Report Schem Sabor Piri Pi 800 B. Ave. Suite 80	Version: 2019.1.003 a Version: rev 20200601 ri Report Page: 4 Date Prepared:	☐ Zonal Syst	Registration Provider: Energ Report Generated: 2022-10-17 12: CALIFORNIA ENERGY COMMI NRCC-I (Page 10/17

Project Name:					Sabor Piri Pir	Report Pa	ge:			(Page 5 of 9)	
Project Address	:			800 B. A	Ave. Suite 804	Date Prep	ared:			10/17/2022	
. SYSTEM CC	ONTROLS										
Notes: Contro	ols with a * re	equire a note in the space	e below explain	ing how com	pliance is a	hieved. EX	(: system 1:	: SA Temp Reset: Exempt	because zones compliar	nt with §140.4(d);	
XCEPTION 1 t	o §140.4(f)										
VENTU ATI	ON AND INC	OOD AID OUALITY								<u> </u>	
	The state of the s		mandatanıyant	lation roquir	omante in E	120 1 and	5120 2/012	DP for all nonrecidential	niah risa rasidantial ana	I hatal/matal	
		en en anen di ener en militario i la la la companya de la companya de la companya de la companya de la company	anneither addresses in the second	Committee the second second					A the mile and the factor and the first of the control of the first of		
01		Check the box if the p	roject is showing	g ventilation	calculations	on the pla	ins, or attac	ching the calculations inst	ead of completing this	table.	
02	⊠	Check this box if the p	roject included	Nonresidenti	al or Hotel/	Motel space	ces			1	
02		Check this box if the p	roject included	cluded new or altered high-rise residential dwelling units.							
03		Check the box if the p	roject is using n	atural ventila	tion in any r	nonresiden	itial or hote	el/motel spaces to meet r	equired ventilation rate	s per §120.1(c)2.	
lonresidentia	l and Hotel/	Motel Ventilation Syste	ms								
	STEM CONTROLS  Ses: Controls with a * require a note in to STION 1 to \$140.4(f)  NTILATION AND INDOOR AIR QUA able is used to demonstrate compliance concerns for alterations, only ventialtion or ventilation rates and airflows may see the box of the concerns of the conce		05					06	(	)7	
	STEM CONTROLS  Ses: Controls with a * require a note in to STION 1 to S140.4(f)  NTILATION AND INDOOR AIR QUA Table is used to demonstrate compliant concies. For alterations, only ventialtion or ventilation rates and airflows may 01		System Desi	gn ΩΔ CFM		System	Design		Air Filtration per §120.1(c) and §141.0		
System Name	Check this box if Check this box if Check the box if Check this box if		Airfle	_	135		Air CFM	0		.20.1(c) (NR and	
	em Name HP-1 08 09		Airriow*						Hotel/Motel))		
08	08 09		10 11 12			13 14		15	16		
_		Mechanical Venti					Exh. \	Vent per §120.1(c)4			
Space Name ot item Tag		<b>-</b> 4	Conditioned		# of	Required	Required	Provided per Design		trols per <u>§120.1(d)3,</u> nd §120.1(e)3 <sup>6</sup>	
ot item rag	0	ccupancy Type*	Floor Area (ft <sup>2</sup> )	heads/ toilets	people <sup>5</sup>	Min OA CFM	Min CFM	CFM	9120.1(u)3, ai	id <u>9120.1(e/3</u>	
			(,	1011011						Provided per	
M. I.		Data'll sales	275		_	75	_		DCV	§120.1(d)4	
Waiting Zone		Retail sales	275		5	75	0	0	Occ Sensor	NA: Not required	
									OCC Serisor	space type	
									DCV	Provided per	
Kitchen Zone	Ki	tchen (cooking)	135		4	60	94.5	0	089000	§120.1(d)4	
			1						Occ Sensor	NA: Not required space type	
17	Total System	Required Min OA CEM			L	135	18	Ventilation for this	System Complies?	Yes	
/	Total System	r nequired with ozy er wi				133	10	ventuation for this	system compiles.	103	
Registration Nu	umber:				Registra	tion Date/T	ime:		Registra	tion Provider: Energysoft	
CA Building En	ergy Efficiency	Standards - 2019 Nonresio	lential Compliance	2	Report '	Version: 201	19.1.003		Report Generat	ed: 2022-10-17 12:09:21	
3			10.00				v 20200601		,		
TATE OF CALIFOR	NIA										
	al System	s									
RCC-MCH-E									CALIFORNIA	ENERGY COMMISSION	
CERTIFICATE OF	COMPLIANCE									NRCC-MCH-I	

900000000000000000000000000000000000000	Piri Report Page: (Page 9 of
roject Address: 800 B. Ave. Suite	804 Date Prepared: 10/17/20
OCUMENTATION AUTHOR'S DECLARATION STATEMENT	
certify that this Certificate of Compliance documentation is accurate and com	■ACCOUNTY TOOL
ocumentation Author Name: Aichael Matthews	Documentation Author Signature: Michael D. Matthews
ompany: iverside Engineering	Signature Date: 10/17/2022
ddress: 1801 Pierce Street Suite 200	CEA/ HERS Certification Identification (if applicable): M37169
ity/State/Zip: iverside CA 92505	Phone: (951)977-1042
3. The energy features and performance specifications, materials, components, and manufactured d	building design or system design identified on this Certificate of Compliance (responsible designer) evices for the building design or system design identified on this Certificate of Compliance conform to the requiremen
plans and specifications submitted to the enforcement agency for approval with this building pern  5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available	are consistent with the information provided on other applicable compliance documents, worksheets, calculations, nit application.  with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable
<ol> <li>The building design features or system design features identified on this Certificate of Compliance plans and specifications submitted to the enforcement agency for approval with this building pern</li> </ol>	are consistent with the information provided on other applicable compliance documents, worksheets, calculations, nit application.  with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable
The building design features or system design features identified on this Certificate of Compliance plans and specifications submitted to the enforcement agency for approval with this building personal in will ensure that a completed signed copy of this Certificate of Compliance shall be made available inspections. I understand that a completed signed copy of this Certificate of Compliance is require esponsible Designer Name:	are consistent with the information provided on other applicable compliance documents, worksheets, calculations, nit application.  with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable d to be included with the documentation the builder provides to the building owner at occupancy.
The building design features or system design features identified on this Certificate of Compliance plans and specifications submitted to the enforcement agency for approval with this building pern I will ensure that a completed signed copy of this Certificate of Compliance shall be made available inspections. I understand that a completed signed copy of this Certificate of Compliance is require esponsible Designer Name:  Aichael Matthews  Ompany:	are consistent with the information provided on other applicable compliance documents, worksheets, calculations, it application.  e with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable d to be included with the documentation the builder provides to the building owner at occupancy.  Responsible Designer Signature:  Michael D. Matthews  Date Signed:

Registration Date/Time:

Schema Version: rev 20200601

Registration Number:

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Registration Provider: Energysoft

Report Generated: 2022-10-17 12:09:21

		LIANCE													NRCC-MCH-
Project Name:							Sab	or Piri Piri <b>Repo</b>	ort Page	:					(Page 2 of 9
Project Addres	oject Address: 800 B. Ave. Suite 804 Date Pr								Prepar	pared: 10/17/20					
C. COMPLIA	NCE D														
	e C will indicate if the project data input into the compliance document is compliant with mechanical requirements. This table is not editable by the user. If this table says "DOES" COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D., or the table indicated as not compliant for guidance.														
		02		03 Fans/	8	04 System		05	AND	06 Terminal Box	AND	07 Distribution	AND	08	09
System Summary §110.1, §110.2, §140.4	AND	Pumps §140.4(k)	AND	Economizers §140.4(c), §140.4(e)	AND	S110.2, \$120.2, \$140.4(f)	AND	Ventilation §120.1	AND	Controls §140.4(d)	AIVE	§120.3, §140.4(I)	AND	S110.2(e)2	Compliance Result
Summary §110.1, §110.2,				§140.4(c),	AND	§110.2, §120.2,	AND		AND		AIVE		AND		Compliance Result
Summary §110.1, §110.2, §140.4		§140.4(k)		§140.4(c), §140.4(e)	AND	§110.2, §120.2, §140.4(f)	AND	<u>§120.1</u>	AND	§140.4(d)	AND	§140.4(I)	AND	§110.2(e)2	Compliance Result

legistration Number:	Registrat	tion Date/Time:	Registration Provider: Energysoft
A Building Energy Efficiency Standards - 2019 Nonresidential Com		Version: 2019.1.003 Version: rev 20200601	Report Generated: 2022-10-17 12:09:21
ATE OF CALIFORNIA			
lechanical Systems			
CC-MCH-E			CALIFORNIA ENERGY COMMISSION
RTIFICATE OF COMPLIANCE			NRCC-MCH-E
oject Name:	Sabor Piri Piri	Report Page:	(Page 6 of 9)
oject Address:	800 B. Ave. Suite 804	Date Prepared:	10/17/2022
		•	
VENTILATION AND INDOOR AIR QUALITY			
FOOTNOTES: System CFM should include both mechanical a	nd natural ventilation for the zo	ne/system	
Air filtration requirements apply to the following three syste ntilation systems providing outside air to occupiable space; atside air to occupiable space.		[1] [1] [1] [1] [1] [1] [1] [1] [1] [1]	18 20 18 20 20 18 18 18 18 18 18 18 18 18 18 18 18 18
Jniform Mechanical Code may have more stringent ventilat	ion requirements; the most stri	ngent code requirement takes p	recedence.
See Standards Tables 120.1-A and 120.1-B.			

Examples of	spaces which	ems serving rooms that are required by <u>§130.1(c)</u> to have lighting occupancy sensing controls to also have occupancy sensing zone c require lighting occupancy sensors include offices 250ft <sup>2</sup> or smaller, multipurpose rooms less than 1,000 ft <sup>2</sup> , classrooms, conference r uses, library book stack aisles, corridors, stairwells, parking garages, and loading and unloading zones, unless excepted by <u>§130.1(c)</u> .	
K. TERMINA	AL BOX CON	TROLS	
This section	does not app	y to this project.	
L. DISTRIBL	ITION (DUC	FWORK and PIPING)	
This section	does not app	y to this project.	
M. COOLIN	G TOWERS		
This section	does not app	y to this project.	
N. DECLAR	ATION OF RI	QUIRED CERTIFICATES OF INSTALLATION	
These docun	nents must be	e based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Tabl provided to the building inspector during construction and can be found online at pv/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/	e E Additional Remarks.
Ves	No	Form/Title	Field Inspector

<sup>5</sup> For lecture halls with fixed seating, the expected number of occupants shall be shall be determined in accordance with the California Building Code.

Yes	No			Form/Title			Field In	spector
163	INO			romy ride			Pass	Fail
•	0	NRCI-MCH-01	-E - Must be submitted for all buildi	ings				
Registration	Number:			Registration Date/Time:		Regis	stration Provide	er: Energys
CA Building E	Energy Efficienc	y Standards - 20	19 Nonresidential Compliance	Report Version: 2019.1.003 Schema Version: rev 20200601		Report Gene	erated: 2022-10	0-17 12:09:
HVAC	SYSTE	M HEATII	NG AND COOLING LO	DADS SUMMARY				
Project Na Sabor P					Date 10/17/2022			
System Na HP-1	ame				Floor Area 410			
ENGINE	ERING CHE	CKS	SYSTEM LOAD		**			

Project Name Sabor Piri Piri		AND COOLING LOAD				Date	/17/2022
System Name							Area
HP-1							410
ENGINEERING CHECKS		SYSTEM LOAD					
Number of Systems	1		COIL	COOLING P	EAK	COIL H	TG. PEAK
Heating System			CFM	Sensible	Latent	CFM	Sensible
Output per System	24,000	Total Room Loads	223	24,248	1,800	268	17,915
Total Output (Btuh)	24,000	Return Vented Lighting		0			
Output (Btuh/sqft)	58.5	Return Air Ducts		1,212			896
Cooling System		Return Fan		0			0
Output per System	24,000	Ventilation	135	684	5,661	135	4,660
Total Output (Btuh)	24,000	Supply Fan		0			0
Total Output (Tons)	2.0	Supply Air Ducts		1,212			896
Total Output (Btuh/sqft)	58.5						
Total Output (sqft/Ton)	205.0	TOTAL SYSTEM LOAD		27,358	7,461		24,366
Air System							
CFM per System	0	HVAC EQUIPMENT SELECTION					
Airflow (cfm)	0	Carrier 38MGRQ24C-3		23,897	0		19,223
Airflow (cfm/sqft)	0.00						
Airflow (cfm/Ton)	0.0						
	0.0%	Total Adjusted System Output		23,897	0		19,223
Outside Air (%)	55-20.038			0.0000000		him	
Outside Air (%) Outside Air (cfm/sqft)	0.33		ļ				
Outside Air (cfm/sqft) Note: values above given at ARI	0.33	(Adjusted for Peak Design conditions)  TIME OF SYSTEM PEAK	of Heating	Peak)	Jun 2 PM		Jan 1 AM
Outside Air (cfm/sqft) Note: values above given at ARI	0.33	(Adjusted for Peak Design conditions)	of Heating	Peak)	Jun 2 PM		Jan 1 AM
Outside Air (cfm/sqft) Note: values above given at ARI	0.33	(Adjusted for Peak Design conditions)  TIME OF SYSTEM PEAK	of Heating	Peak)	Jun 2 PM		Jan 1 AM
Outside Air (cfm/sqft)  Note: values above given at ARI HEATING SYSTEM PSYCHR	0.33 conditions OMETRICS	(Adjusted for Peak Design conditions)  TIME OF SYSTEM PEAK (Airstream Temperatures at Time of	of Heating	Peak)	Jun 2 PM		Jan 1 AM
Outside Air (cfm/sqft)  Note: values above given at ARI HEATING SYSTEM PSYCHR	0.33 conditions OMETRICS	(Adjusted for Peak Design conditions)  TIME OF SYSTEM PEAK (Airstream Temperatures at Time of	of Heating	Peak)	Jun 2 PM		Jan 1 AM
Outside Air (cfm/sqft)  Note: values above given at ARI HEATING SYSTEM PSYCHR 36 °F	0.33 conditions OMETRICS	(Adjusted for Peak Design conditions)  TIME OF SYSTEM PEAK (Airstream Temperatures at Time of 134 °F	of Heating	Peak)	Jun 2 PM	1	Jan 1 AM
Outside Air (cfm/sqft) Note: values above given at ARI HEATING SYSTEM PSYCHR 36 °F Outside Air	0.33 conditions OMETRICS 47 °F	(Adjusted for Peak Design conditions)  TIME OF SYSTEM PEAK (Airstream Temperatures at Time of 134 °F	of Heating	Peak)		-	1
Outside Air (cfm/sqft) Note: values above given at ARI HEATING SYSTEM PSYCHR 36 °F Outside Air	0.33 conditions OMETRICS 47 °F	(Adjusted for Peak Design conditions)  TIME OF SYSTEM PEAK (Airstream Temperatures at Time of 134 °F	of Heating	Peak)		DOM ]	1
Outside Air (cfm/sqft) Note: values above given at ARI HEATING SYSTEM PSYCHR 36 °F Outside Air	0.33 conditions OMETRICS 47 °F	(Adjusted for Peak Design conditions)  TIME OF SYSTEM PEAK (Airstream Temperatures at Time of 134 °F	of Heating	Peak)		ОМ	1
Outside Air (cfm/sqft)  Note: values above given at ARI HEATING SYSTEM PSYCHR  36 °F  Outside Air 135 cfm	0.33 conditions OMETRICS 47 °F	(Adjusted for Peak Design conditions)  TIME OF SYSTEM PEAK (Airstream Temperatures at Time of 134 °F	of Heating	Peak)		ОМ	32 °F
Outside Air (cfm/sqft)  Note: values above given at ARI HEATING SYSTEM PSYCHR  36 °F  Outside Air 135 cfm	0.33 conditions OMETRICS 47 °F	(Adjusted for Peak Design conditions)  TIME OF SYSTEM PEAK (Airstream Temperatures at Time of 134 °F	of Heating	Peak)		ОМ	32 °F
Outside Air (cfm/sqft) Note: values above given at ARI HEATING SYSTEM PSYCHR 36 °F  Outside Air 135 cfm 68 °F	0.33 conditions OMETRICS  47 °F Heating	(Adjusted for Peak Design conditions)  TIME OF SYSTEM PEAK (Airstream Temperatures at Time of 134 °F  Coil	<b>→</b>			ОМ	32 °F
Outside Air (cfm/sqft)  Note: values above given at ARI HEATING SYSTEM PSYCHR 36 °F  Outside Air 135 cfm  68 °F  COOLING SYSTEM PSYCHR	0.33 conditions OMETRICS  47 °F Heating	(Adjusted for Peak Design conditions)  TIME OF SYSTEM PEAK (Airstream Temperatures at Time of 134 °F  Coil  (Airstream Temperatures at Time of 154 °F)	<b>→</b>			ОМ	32 °F
Outside Air (cfm/sqft)  Note: values above given at ARI HEATING SYSTEM PSYCHR 36 °F  Outside Air 135 cfm  68 °F  COOLING SYSTEM PSYCHR	0.33 conditions OMETRICS  47 °F Heating	(Adjusted for Peak Design conditions)  TIME OF SYSTEM PEAK (Airstream Temperatures at Time of the conditions)  (Airstream Temperatures at Time of the conditions)	<b>→</b>			ОМ	32 °F
Outside Air (cfm/sqft)  Note: values above given at ARI HEATING SYSTEM PSYCHR 36 °F  Outside Air 135 cfm  68 °F  COOLING SYSTEM PSYCHR	0.33 conditions OMETRICS  47 °F Heating	(Adjusted for Peak Design conditions)  TIME OF SYSTEM PEAK (Airstream Temperatures at Time of 134 °F  Coil  (Airstream Temperatures at Time of 154 °F)	<b>→</b>			ОМ	32 °F
Outside Air (cfm/sqft)  Note: values above given at ARI HEATING SYSTEM PSYCHR 36 °F  Outside Air 135 cfm  68 °F  COOLING SYSTEM PSYCHR	0.33 conditions OMETRICS  47 °F Heating	(Adjusted for Peak Design conditions)  TIME OF SYSTEM PEAK (Airstream Temperatures at Time of the conditions)  (Airstream Temperatures at Time of the conditions)	<b>→</b>			MOOM	70°F
Outside Air (cfm/sqft) Note: values above given at ARI HEATING SYSTEM PSYCHR 36 °F  Outside Air 135 cfm  68 °F  COOLING SYSTEM PSYCHR 81 / 67 °F	0.33 conditions OMETRICS  47 °F Heating	(Adjusted for Peak Design conditions)  TIME OF SYSTEM PEAK (Airstream Temperatures at Time of the conditions)  (Airstream Temperatures at Time of the conditions)	<b>→</b>			MOOM	32 °F
Outside Air (cfm/sqft) Note: values above given at ARI HEATING SYSTEM PSYCHR 36 °F  Outside Air 135 cfm  COOLING SYSTEM PSYCHR 81 / 67 °F  Outside Air	0.33 conditions OMETRICS  47 °F Heating	(Adjusted for Peak Design conditions)  TIME OF SYSTEM PEAK (Airstream Temperatures at Time of 134 °F  Coil  (Airstream Temperatures at Time of 162 °F 29 / -26 °I	<b>→</b>	Peak)	RC	<b>DOM</b>	70°F
Outside Air (cfm/sqft) Note: values above given at ARI HEATING SYSTEM PSYCHR 36 °F  Outside Air 135 cfm  COOLING SYSTEM PSYCHR 81 / 67 °F  Outside Air 135 cfm	0.33 conditions OMETRICS  47 °F Heating	(Adjusted for Peak Design conditions)  TIME OF SYSTEM PEAK (Airstream Temperatures at Time of 134 °F  Coil  (Airstream Temperatures at Time of 162 °F 29 / -26 °I	<b>→</b>		RC	OOM27	32 °F 70 °F /-24 °F
Outside Air (cfm/sqft) Note: values above given at ARI HEATING SYSTEM PSYCHR 36 °F  Outside Air 135 cfm  COOLING SYSTEM PSYCHR 81 / 67 °F  Outside Air	0.33 conditions OMETRICS  47 °F Heating	(Adjusted for Peak Design conditions)  TIME OF SYSTEM PEAK (Airstream Temperatures at Time of 134 °F  Coil  (Airstream Temperatures at Time of 162 °F 29 / -26 °I	<b>→</b>	Peak)	RC	OOM27	70°F

CERTIFICATE OF CO	MPLIANCE									N	IRCC-MCH-E
Project Name:		Sabor P	iri Piri <b>Repo</b>	t Page:	:					3	(Page 3 of 9)
Project Address:		800 B. Ave. Suit	te 804 Date	Prepare	ed:						10/17/2022
F. HVAC SYSTEN	I SUMMARY (DRY & WET	SYSTEMS)									
§140.4(b) and §1	140.4(k) or §141.0(b)2 for a	NOW 1512 (1907)					10.2(a) and	l prescriptive	e requireme	nts found in	§140.4(a),
01 Ory System Equip	oment Sizing (includes air co	nditioners, condensers, heat pumps, VR 03	F, furnaces 04	and ui	os (05	06	07	08	09	10	11
	02				Equipment Sizing per Mechanical Schedule (kBtu/h) §140.4 (a&b)						
			Smallest	allest Size	Hea	Heating Output <sup>2,3</sup>		Cooling Output <sup>2,3</sup>		Load Calculations <sup>3</sup>	
Name or Item Tag	Equipment Category per Tables 110.2	Equipment Type per Tables 110.2 / Title 20	Availab §140.4	e¹	Per Design (kBtu/h)	Rated (kBtu/h)	Supp. Heating Output (kBtu/h)	Sensible Per Design (kBtu/h)	Rated (kBtu/h)	Total Heating Load (kBtu/h)	Total Sensible Cooling Load (kBtu/h)
HP-1	Unitary Heat Pumps	Air-cooled, split (1phase)	NA: Lo		19.22	24	0	23.9	24	34.84	33.1
<u>§140.4(a)</u> . Health <sup>2</sup> It is common pra <sup>3</sup> If equipment is h	care facilities are excepted. ectice to show rated output of heating only, leave cooling ou	size, within the available options of the or apacity on the equipment schedule. Sensi atput and load blank. If equipment is cool and calculations used for compliance per §3	ble cooling	outpu	t comes froi	n specificat	ion sheet to		d cooling lo	ads of the b	uilding per

, ,	diction may ask for load calcula					1-res		
ry System Equipment	Efficiency (other than Package	Terminal Air Conditi	ioners (PTAC) and I	Package Terminal	Heat Pumps (PTHP	·))		100
01	02	03	04	05	06	07	08	09
			Heati	ng Mode			Cooling Mode	
Name or Item Tag	Size Category (Btu/h)	Rating Condition ( °F)	Efficiency Unit	Minimum Efficiency Required per Tables 110.2 / Title 20	Design Efficiency	Efficiency Unit	Minimum Efficiency Required per Tables 110.2 / Title 20	Design Efficience
HP-1	<65,000		HSPF	8.2	10.3	SEER	14.0	14

Registration Date/Time:

Report Version: 2019.1.003

Registration Provider: Energysoft

Report Generated: 2022-10-17 12:09:21

Registration Number:

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

STATE OF C	ALIFORNIA				
Mecha	anical	Systems			
NRCC-MCH			CALIFORNIA E		
		DMPLIANCE		0.03	RCC-MCH-E
Project Na		Sabor Piri Piri Report Page:			Page 7 of 9)
Project A	ddress:	800 B. Ave. Suite 804 Date Prepared:		1	.0/17/2022
O. DECL	ARATIO	N OF REQUIRED CERTIFICATES OF ACCEPTANCE			
These do	cuments	een made based on information provided in previous tables of this document. If any selection r must be provided to the building inspector during construction and can be found online at rgy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/1		dditional Re	emarks.
Yes	No	Form/Title	Systems To Be Field Verified	Field Inspector	
103	140	Torny ride	Systems to be field verified	Pass	Fail
•	0	NRCA-MCH-02-A - Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH-02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap.			
•	0	NRCA-MCH-03-A - Constant Volume Single Zone HVAC NOTE: This form does not automatica move to "Yes'. If Constant Volume Single Zone HVAC Systems are included in the scope, pernapplicant should move this form to "Yes".			
0	•	NRCA-MCH-04-A - Air Distribution Duct Leakage			
0	•	NRCA-MCH-05-A - Air Economizer Controls			
•	0	NRCA-MCH-06-A Demand Control Ventilation Systems must be submitted for all systems required to employ demand controlled ventilation (refer to $\S120.1(c)3$ ) can vary outside ventilation flow rates based on maintaining interior carbon dioxide (CO2) concentration setpoints.			
0	•	NRCA-MCH-07-A Supply Fan Variable Flow Controls			
0	•	NRCA-MCH-08-A Valve Leakage Test			
	•	NRCA-MCH-09-A Supply Water Temperature Reset Controls			
0	•	NRCA-MCH-10-A Hydronic System Variable Flow Controls			
•	0	NRCA-MCH-11-A Automatic Demand Shed Controls			
_	_				

163	INO	Torny ride	Systems to be rield verified	Pass	Fail
•	0	NRCA-MCH-02-A - Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH-02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap.			
•	0	NRCA-MCH-03-A - Constant Volume Single Zone HVAC NOTE: This form does not automatically move to "Yes'. If Constant Volume Single Zone HVAC Systems are included in the scope, permit applicant should move this form to "Yes".			
0	•	NRCA-MCH-04-A - Air Distribution Duct Leakage			
0	•	NRCA-MCH-05-A - Air Economizer Controls			
•	0	NRCA-MCH-06-A Demand Control Ventilation Systems must be submitted for all systems required to employ demand controlled ventilation (refer to $\underline{\$120.1(c)3}$ ) can vary outside ventilation flow rates based on maintaining interior carbon dioxide (CO2) concentration setpoints.			
0	•	NRCA-MCH-07-A Supply Fan Variable Flow Controls			
0	•	NRCA-MCH-08-A Valve Leakage Test			
0	•	NRCA-MCH-09-A Supply Water Temperature Reset Controls			
0	•	NRCA-MCH-10-A Hydronic System Variable Flow Controls			
•	0	NRCA-MCH-11-A Automatic Demand Shed Controls			
0	•	NRCA-MCH-12-A FDD for Packaged Direct Expansion Units			
0	•	NRCA-MCH-13-A Automatic FDD for Air Handling Units and Zone Terminal Units Acceptance			
0	•	NRCA-MCH-14-A Distributed Energy Storage DX AC Systems Acceptance NOTE: This form does not automatically move to "Yes". If Distributed Energy System DX AC Systems are included in teh scope permit applicant should move this form to 'Yes".			

ation Number:	Registration Date/Time:	Registration Provider: Energysoft
lding Energy Efficiency Standards - 2019 Nonresidential Compliance	Report Version: 2019.1.003 Schema Version: rev 20200601	Report Generated: 2022-10-17 12:09:21

MCH-E	
chanical Systems	
OF CALIFORNIA	

RCC-MCH-E	ii Systems							CALIFOR	RNIA ENERGY COMMISSION
ERTIFICATE OF	COMPLIANCE								NRCC-MCH-E
roject Name:			!	Sabor Piri P	iri Repo	rt Page:			(Page 4 of 9)
roject Address:	:		800 B. A	ve. Suite 80	04 Date	Prepared:			10/17/2022
. PUMPS									
his section do	es not apply to this	project.							
. FAN SYSTE	MS & AIR ECONO	MIZERS							
			prescriptive requirements fou to be included in Table H.	nd in <u>§140</u>	).4(c), §	140.4(e)	and <u>§140.4(m)</u> for fan	systems. Fan systems servin	g only process loads are
System Name:	HP-1	Economizer:1	NA: <=54 kBtu/h cooling	Econor Contr		Designe	ed per <u>§140.4(e)</u> and (m)	System Fan Type:	Constant Volume
01	02	03	04			05	06	07	08
N								Fan Power Pressure Drop	Adjustment - Table 140.4-B
an Name or Item Tag	Fan Functio	n Qty	Maximum Design Supply (CFM)	Airtiow	HF	P Unit <sup>2</sup> Design HP		Device	Design Airflow through Device (CFM)
SF	Supply	1	0			ВНР	0	NA	NA
Total Syst	em Design Supply A	sirflow (CFM):	0	Total S	System (B)HP:	Design	0	Maximum System Fan Power (B)HP:	0
FOOTNOTES:	Computer room ecc	nomizers must i	neet requirements of §140.9(c	and will	l be dod	cumented o	on the NRCC-PRC-E do	cument.	•

<sup>2</sup> The unit used for HP must be consistent for all fans within a system.

- The unit used for HP must	be consistent j	or all Jans with	iin a system.					
I. SYSTEM CONTROLS								
This table is used to demonstrate compliance with mandatory controls in §110.2 and §120.2 and prescriptive controls in §140.4(f) and (n) or requirements in §141.0(b)2E for altered space conditioning systems.								
01	02	03	04	05	06	07	08	09
System Name	System Zoning	Conditioned Floor Area Being Served (ft²)	Thermostats	Shut-Off Controls §120.2(e)	Isolation Zone Controls §120.2(g)	Demand Response §110.12 and §120.2(b)	Supply Air Temp. Reset §140.4(f)	Window Interlocks pe §140.4(n)
HP-1	Single zone	<= 25,000 ft <sup>2</sup>	Setback	NA: 7 day per §120.2(e)1	4 Hour Timer	EMCS	NA: Alteration	NA: Alteration Project

<sup>1</sup>FOOTNOTES: Gravity gas wall heaters, gravity floor heaters, gravity room heaters, non-central electric heaters, fireplaces or decorative gas appliances, wood stoves are not required to Registration Provider: Energysoft Registration Number: Registration Date/Time: Report Version: 2019.1.003 Report Generated: 2022-10-17 12:09:21 CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

TATE OF CALIFORNIA			
Mechanical Systems IRCC-MCH-E			CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE			NRCC-MCH-E
Project Name:	Sabor Piri Piri	Report Page:	(Page 8 of 9)
Project Address:	800 B. Ave. Suite 804	Date Prepared:	10/17/2022

		1				
0	•	autom Extern Cryoge	MCH-15-A Thermal Energy Storage (TES) System Acceptance NOTE: This form does not natically move to "Yes". If Chilled water Storage, Ice-on-Coil Internal Melt, Ice-on-Coil and melt, Ice Harvester, Brine, Ice-Slurry, Eutecti Salt, Clathrate Hydrate Slurry (CHS), enic or Encapsulated (Ice Ball) Systems are included in the scope, permit applicant should this form to 'Yes".			
0	•	NRCA-	MCH-16-A Supply Air Temperature Reset Controls			
0	•	NRCA-	MCH-17-A Condenser Water Temperature Reset Controls			
•	0	NRCA-	MCH-18-A Energy Management Control Systems			
0	•	NRCA-	MCH-19-A Occupancy Sensor Controls			
0	•	NRCA-	MCH-20 Multi-Family Ventilation			
0	•	NRCA-	MCH-21 Multi-Family Envelope Leakage			
election hese do	s have b	een maa must be	QUIRED CERTIFICATES OF VERIFICATION  le based on information provided in previous tables of this document. If any selection needs completed by a HERS Rater and provided to the building inspector during construction. The c at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Non.	e final documents must be created by a HE		
rafts ca	Ver No Form/Title		Field Inspecto			
		No	Form/Title		500 m - 1 m (50 m)	
rafts ca Yes		No	Form/Title		Pass	Fail
-			Form/Title  NRCV-MCH-04-H Duct Leakaage Test NOTE: Must be completed by a HERS Rater		Pass	Fail
Yes				ter	1. 11.7.7	15125551

This table is used to indicate where mandatory measures are documented in the p	plan set or construction documentation	on.
01		02
Compliance with Mandatory Measures documented through MCH	Vos	Plan sheet or construction document location
Mandatory Measures Note Block	Yes	M-Sheets

Report Version: 2019.1.003 Schema Version: rev 20200601

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NRCV-MCH-32 Local Mechanical Exhaust NOTE: Must be completed by a HERS Rater

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance



DRAWN BY:	-	
PROJECT#	_	
FROJECT#	-	
NUMBER	DESCRIPTION	DAT

# SABOR

DRAWINGS PREPARED BY:

TITLE 24 - ENERGY COMPLIANCE FORMS

M6.1

Riverside Engineering MECHANICAL ELECTRICAL PLUMBING ENERGY CONSULTANTS 888.401.7483 Email: Info@Riv-Eng.com

www.Riv-Eng.com 11801 Pierce St., Suite 200 Riverside, California 92505 (By Appointment Only)

In no event shall any party, client or otherwise copy or use any of the [concepts, plans, drawings, specifi cations, designs, models, reports, photographs, computer software, surveys, calculations, construction and other data, documents of Service")] for any purpose other than those noted above or in relation to any project other than those noted above or in relation to any project other than the Project (the "Instruments of Service")] for any purpose other than those noted above or in relation to any project other than those noted above or in relation to any project other than the Project (the "Instruments of Service")] for any purpose other than those noted above or in relation to any project other than the Project (the "Instruments of Service")] for any purpose other than those noted above or in relation to any project other than those noted above or in relation to any project other than the Project (the "Instruments of Service")] for any purpose other than those noted above or in relation to any project other than those noted above or in relation to any project other than those noted above or in relation to any project other than those noted above or in relation to any project other than those noted above or in relation to any project other than those noted above or in relation to any project other than those noted above or in relation to any project other than those noted above or in relation to any project other than those noted above or in relation to any project other than those noted above or in relation to any project other than those noted above or in relation to any project other than those noted above or in relation to any project other than those noted above or in relation to any project other than those noted above or in relation to any project other than those noted above or in relation to any project other than those noted above or in relation to any project other than those noted above or in relation to any project other than those noted above or in relation to any project other than those not

### MANDATORY CALGREEN CHECKLIST

2019 NON-RESIDENTIAL MANDATORY MEASURE CHECKLIST						
CODE SECTION	REQUIREMENT	REFERENCE SHEET (SHEET # OR N/A)	COMMENTS			
5.303.3.4	PLUMBING FIXTURES SHALL MEET THE MAXIMUM FLOW RATE VALUES SHOWN IN 5.303.3.4.1; 5.303.3.4.2; 5.303.3.4.3; 5.303.3.4.4; 5.303.3.4.5	P-0.1				
5.303.3.1	THE INSTALLATION OF WATER- CONSERVING FIXTURES (WATER, CLOSETS, URINALS) MEETING THE CRITERIA ESTABLISHED IN SECTIONS 5.303.3.1 OR 5.303.3.2	P-0.1				
5.303.6	PLUMBING FIXTURES AND FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA PLUMBING CODE, AND SHALL MEET THE APPLICABLE STANDARDS REFERENCED IN TABLE 1701.1 OF THE CALIFORNIA PLUMBING CODE AND IN CHAPTER 6 OF THIS CODE	P-0.1				

### SHEET INDEX

	Sheet #	Sheet Name				
	P0.1	PLUMBING LEGEND NOTES & SCHEDULES				
		PLUMBING SCHEDULES CONT.				
	P2.1	PLUMBING DOMESTIC WATER & GAS PLAN				
	P2.2	PLUMBING WASTE & VENT PLAN				
	P3.1	PLUMBING ISOMETRIC VIEW				
	P4.1	PLUMBING DETAILS				

### GENERAL NOTES

- 1. THE TOTAL INSTALLATION SHALL COMPLY WITH ANY AND ALL REQUIREMENTS OF THE LEGALLY CONSTITUTED AUTHORITIES HAVING JURISDICTION INCLUDING 2019 CBC (CALIFORNIA BUILDING CODE) AND 2019 CMC/CPC (CALIFORNIA MECHANICAL AND PLUMBING CODE)
- 2. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND SHALL THOROUGHLY FAMILIARIZE
  HIMSELF WITH THE EXISTING CONDITIONS UNDER WHICH HE WILL BE REQUIRED TO WORK. ALL
  INDICATED DIMENSIONS ARE APPROXIMATE AND ARE GIVEN FOR ESTIMATE PURPOSES ONLY.
- 3. BEFORE PROCEEDING WITH THE WORK THIS CONTRACTOR SHALL CAREFULLY CHECK AND VERIFY ALL DIMENSIONS, SIZES, REQUIRED CLEARANCES AND SHALL ASSUME FULL RESPONSIBILITY FOR THE FITTING OF ALL EQUIPMENT AND MATERIALS HEREIN REQUIRED TO OTHER PARTS OF THE WORK OF OTHER TRADES.
- 4. THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC TO THE EXTENT THAT ALL OFFSETS, BENDS, SPECIAL FITTING AND LOCATIONS ARE NOT EXACTLY LOCATED. IN THE PREPARATION OF THESE DOCUMENTS, CERTAIN ASSUMPTIONS ARE MADE REGARDING EXISTING CONDITIONS. SOME OF THESE ASSUMPTIONS MAY NOT BE VERIFIABLE WITHOUT EXPENDING ADDITIONAL SUMS OF MONEY OR DESTROYING OTHERWISE ADEQUATE OR SERVICEABLE PORTIONS OF EXISTING BUILDING AND/OR EQUIPMENT. THEREFORE, THE ENGINEER SHALL NOT HELD RESPONSIBLE FOR ANY CHANGES OR ADDITIONAL COSTS INCURRED DUE TO EXISTING CONDITIONS.
- 5. ITEMS RELATED TO PLUMBING UTILITIES AND/OR OTHER SERVICE(S); MATERIALS, LABOR, PERMITS, FEES, ETC., SHALL BE VERIFIED WITH THE RESPECTIVE SERVING UTILITY COMPANY PRIOR TO SUBMISSION OF A BID. THE ACT OF SUBMITTING A BID SHALL CONSTITUTE FULL RESPONSIBILITY OF THE CONTRACTOR TO INSTALL SERVICE(S) IN COMPLIANCE WITH THE REQUIREMENTS OF THE SERVING UTILITY COMPANY AND THE MECHANICAL ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CHARGES LEVIED BY THE SERVING UTILITY COMPANY EXCEPTING THE FIRST BILLING DEPOSIT.
- 6. THE CONTRACTOR SHALL COMPLY WITH ALL CONTRACT DOCUMENTS IN LAYING OUT THEIR WORK AND EQUIPMENT. THEY SHALL COORDINATE THE WORK OF THIS SECTION WITH THE WORK OF OTHER TRADES AND ALL JOB CONDITIONS.
- 7. THE INSTALLATION OF ACCESS PANELS OR OTHER INDICATING EQUIPMENT OR SPECIALTIES
  REQUIRING READING, ADJUSTMENT, INSPECTION, REPAIRS, REMOVAL OR REPLACEMENT SHALL
  BE CONVENIENTLY LOCATED WITH REFERENCE TO THE FINISHED BUILDING.
- 8. ALL EQUIPMENT AND FIXTURES INSTALLED UNDER THIS CONTRACT SHALL BE HUNG OR ANCHORED IN ACCORDANCE WITH 2019 CPC/CBC.
- 9. WHERE MATERIAL IS SHOWN ON THE DRAWINGS BUT NOT SPECIFIED, IT SHALL BE OF THE SAME TYPE AND QUALITY AS EXISTING MATERIAL.
- 10. TEST SYSTEMS(S) IN ACCORDANCE WITH REQUIREMENTS OF THE GOVERNING AUTHORITIES.
- 11. ALL CLEANOUTS SHALL BE INSTALLED WHERE READILY ACCESSIBLE AND LOCATED AS PER CODE REQUIREMENTS THE CONTRACTOR SHALL COORDINATE ALL CLEANOUTS LOCATIONS WITH EQUIPMENT CABINETS, ETC. AND THE ARCHITECT PRIOR TO ANY INSTALLATION.
- 12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING AND REPAIRING ALL PAVED AREAS WHICH ARE EXCAVATED AND/OR DAMAGED BY THEIR OPERATIONS. IN ADDITION, THE CONTRACTOR SHALL RESTORE TO ORIGINAL CONDITION ALL PLANTED AREAS DAMAGED BY THEIR OPERATIONS.
- 13. ALL EXTERIOR WATER SHUT-OFF VALVES BELOW GROUND SHALL BE INSTALLED IN YARD BOXES WITH COVERS CONSPICUOUSLY MARKED "WATER SHUT-OFF" RESPECTIVELY.
- 14. WHEN REQUIRED BY THE AUTHORITY HAVING JURISDICTION, POTABLE WATER SYSTEMS SHALL BE DISINFECTED AND FLUSHED PRIOR TO USE BY WATER-CHLORINATION SOLUTION AND HAVE BACTERIOLOGICAL EXAMINATION MADE BY AN APPROVED AGENCY PER 2019 CPC SEC. 609.9 AND AS PRESCRIBED IN AWWA C651. METHODS OF CLEANING/ DISINFECTING FOR NEW OR REPAIR PIPING AS DESCRIBED IN C651 OR NFPA 24.
- 15. PLUMBING PIPE, FITTING AND FIXTURES USED TO CONVEY OR DISPENSE WATER FOR HUMAN CONSUMPTION SHALL COMPLY WITH AB 1953.
- 16. ANY SUBSTITUTION MADE BY THE CONTRACTOR THAT IS DIFFERENT FROM WHAT IS SPECIFIED ON THE DRAWINGS SHALL BE CLEARLY INDICATED ON THE SUBMITTAL AS TO ALL THAT IS BEING
- 17. CONTRACTOR TO COORDINATE WORK WITH ALL TRADES AT THE SITE. COSTS TO INSTALL WORK TO ACCOMPLISH SAID COORDINATION WHICH DIFFERS FROM THE WORK AS SHOWN ON THE PLANS SHALL BE INCURRED BY THE CONTRACTOR. ANY DISCREPANCIES, AMBIGUITIES OR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE MECHANICAL ENGINEER DURING BID TIME FOR CLARIFICATION. ANY SUCH CONFLICTS NOT CLARIFIED PRIOR TO BID SHALL BE SUBJECT TO THE INTERPRETATION OF THE MECHANICAL ENGINEER AT NO ADDITIONAL COST TO THE OWNER OR ENGINEERS OF RECORD.

### MOUNTING AND BRACING NOTES

1. PIPES DUCTS AND CONDUITS SHALL BE SUPPORTED AND BRACED PER THE SMACNA "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING SYSTEMS", THE "SUPERSTRUT SEISMIC RESTRAINT SYSTEM" FOR PIPES AND CONDUITS ONLY.

### PLUMBING LEGEND AND SYMBOLS

SYMBOL	ABBREV	DESCRIPTION
DETAIL No.  SHEET No.		DETAIL REFERENCE
A P-1		SECTION
STACK/RISER		REFERENCE PLUMBING STACK OR RISER REFERENCE
D. No.		PLUMBING STACK OR RISER REFERENCE
EQUIPMENT		EQUIPMENT REFERENCE
ID. No.	OVA	COLD WATER
	CW HW	HOT WATER
	HWR	HOT WATER RETURN
	S or W	SOIL or WASTE BELOW GRADE (or FLOOR)
——— RD/OD ———	RD/OD	ROOF & OVERFLOW DRAIN ABOVE & BELOW GRADE (or F
SD	SD	STORM DRAINS
GW	GW	GREASE WASTE
	S or W	SOIL or WASTE ABOVE GRADE (or FLOOR)
	V	PLUMBING VENT
COND	COND	CONDENSATE DRAIN
G	G	GAS LOW PRESSURE
——— MPG ———	MPG	GAS MEDIUM PRESSURE
	BV	BALL VALVE
<b>T</b>	SOV SOV or GC	SHUT OFF VALVE SHUT OFF VALVE OR GAS COCK ON RISER
<del></del>		SWING CHECK VALVE
	CV DN	PIPE DOWN
	UP	PIPE UP
<del></del>	DN	TEE DOWN
<del></del>	UP	TEE UP
O— C—		PIPE RISER & PIPE DROP (UP AND DOWN)
- <del>_</del>	FCO	FLOOR CLEANOUT
	WCO	WALL CLEANOUT
/	СО	CLEANOUT PLUG
	COTG	YARD CLEANOUT or CLEANOUT TO GRADE
		CAP ON END OF PIPE
+	НВ	HOSE BIBB WITH VACUUM BREAKER
	WHA & TP GR	WATER HAMMER ARRESTOR & TRAP PRIMER GAS REGULATOR
	GC	GAS COCK (or GAS STOP)
——————	GS	GAS SOLENOID
<b>•</b>	P.O.C.	POINT OF CONNECTION
•	P.O.D.	POINT OF DEMOLITION
	AP	ACCESS PANEL
	ABV	ABOVE
	BEL CONN	BELOW CONNECTION
	CONT	CONTINUATION
	(E)	EXISTING
	(N)	NEW
	DN	DOWN
	ADA	AMERICAN DISABILITY ACT
	IE	INVERT ELEVATION
	(TYP)	TYPICAL
	U.O.N.	UNLESS OTHERWISE NOTED
	VTR FU	VENT THROUGH ROOF PLUMBING FIXTURE UNIT
	1.0	



PROJECT # 
NUMBER DESCRIPTION DATE

ABOR PIRI TENANT IMPROVEM
800 B AVE. SUITE 804

DRAWINGS PREPARED BY:



Riverside, California 92505 (By Appointment Only)

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M37169

EXP 12-31-2022

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PLUMBING LEGEND NOTES & SCHEDULES

P0.1

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	FIXT	URE	E UNIT SC	HEDULE		
DIDE OIZE	FLOW RATE		FIXTUF	RE UNITS		
PIPE SIZE	VELOCITY (GPM)	(FT/SEC.)	FLUSH TANK	FLUSH VALVE	SYMBOL	
1/2"	2.02	2.78	1	-		
3/4"	5.28	3.50	6	-	<u>FS-1</u>	
1"	10.64	4.14	13	-		
1 1/4"	18.51	4.73	28	-	F0.0	
1 1/2"	29.23	5.27	54	13	<u>FS-2</u>	
2"	57.88	6.0	185	82		
2 1/2"	89.25	6.0	431	295		
3"	127.40	6.0	719	666		
4"	223.99	6.0	1091	1091		
6"	501.83	6.0	1668	1668		
				E L COPPER		
			NIMUM ACCEPTABLE PRESSU XIMUM ACCEPTABLE VELOCI			
W	/ATE	RH	EATER S	CHEDULE		

NORITZ #NRC98 (5.6 GPM @ 60 F RISE

COMPLETE WITH EXPANSION TANK AMTROL #ST-5. INSTALL PER MANUFACTURER'S INSTRUCTIONS, SPILL

T&P VALVE AND CONDENSATE TO

ADJACENT FLOOR SINK.

180 CFH

MFR. & MODEL NUMBER:

INPUT RATING:

WH 1

		CONNE	ECTION	SIZE:						0	
WA	ASTE	TRAP	VENT	CW RISER	HW RISER	SERVICE	PIPE MATERIAL & WEIGHT	TYPE OF JOINTS	PRESSURE FITTINGS MATERIAL	SHUT-OFF RATINGS PSI-SwP	VALVE
	2"	2"	1 1/2"	-	-	Cold Water Abv. Ground	Copper L Tube	Soldered	Cast Bronze/ Wrought Copper	125	Ball Gate Check
	3"	3"	2"	-	-	Cold Water Below Ground to 5' Outside Building	Copper K Tube	Brazed	Cast Bronze/ Wrought Copper	125	Ball Gate
						Cold Water Below Ground Beyond 5'-0"	Schedule 80 PVC	Solvent-Weld	PVC	125	Gate
						Hot Water Abv. Ground	Copper L Tube	Soldered	Cast Bronze/ Wrought Copper	125	Ball Gate
						Fuel Gas	Steel 40, Black Steel 40, Black Polyethylene Piping Stainless Steel Tubing	Screwed Welded Per Manf.	Mall. Iron Steel Weld Stainless Steel Tubing	150 150 Per Manf.	Sqr. Head Cock Per Manf.
						Vent	No-hub Cast iron	No-hub	N/A	N/A	N/A
						Waste, Soil & Roof Drains BELOW GRADE	Schedule 40 ABS	Solvent-Weld	N/A	N/A	N/A
						Waste, Soil & Roof Drains ABOVE GRADE	No-hub Cast Iron	No-hub	N/A	N/A	N/A
						Condensate	Copper M Tube	Soldered	Bronze	125	N/A

PIPE MATERIAL SCHEDULE

NOTE: ALL EXPOSED FUEL GAS PIPING SHALL BE PRIME AND PAINTED, COORDINATE COLOR WITH ARCHITECT.



DRAWN BY:	-	
PROJECT#	-	
AU IN ADED	DECODIDEION	DATE
NUMBER	DESCRIPTION	DATE

## VE. SUITE 804 L CITY CA 91950 SABOR

Riverside Engineering

MECHANICAL ELECTRICAL PLUMBING ENERGY CONSULTANTS

888.401.7483 Email: Info@Riv-Eng.com www.Riv-Eng.com 11801 Pierce St., Suite 200 Riverside, California 92505 (By Appointment Only) PLUMBING SCHEDULES CONT. P0.2

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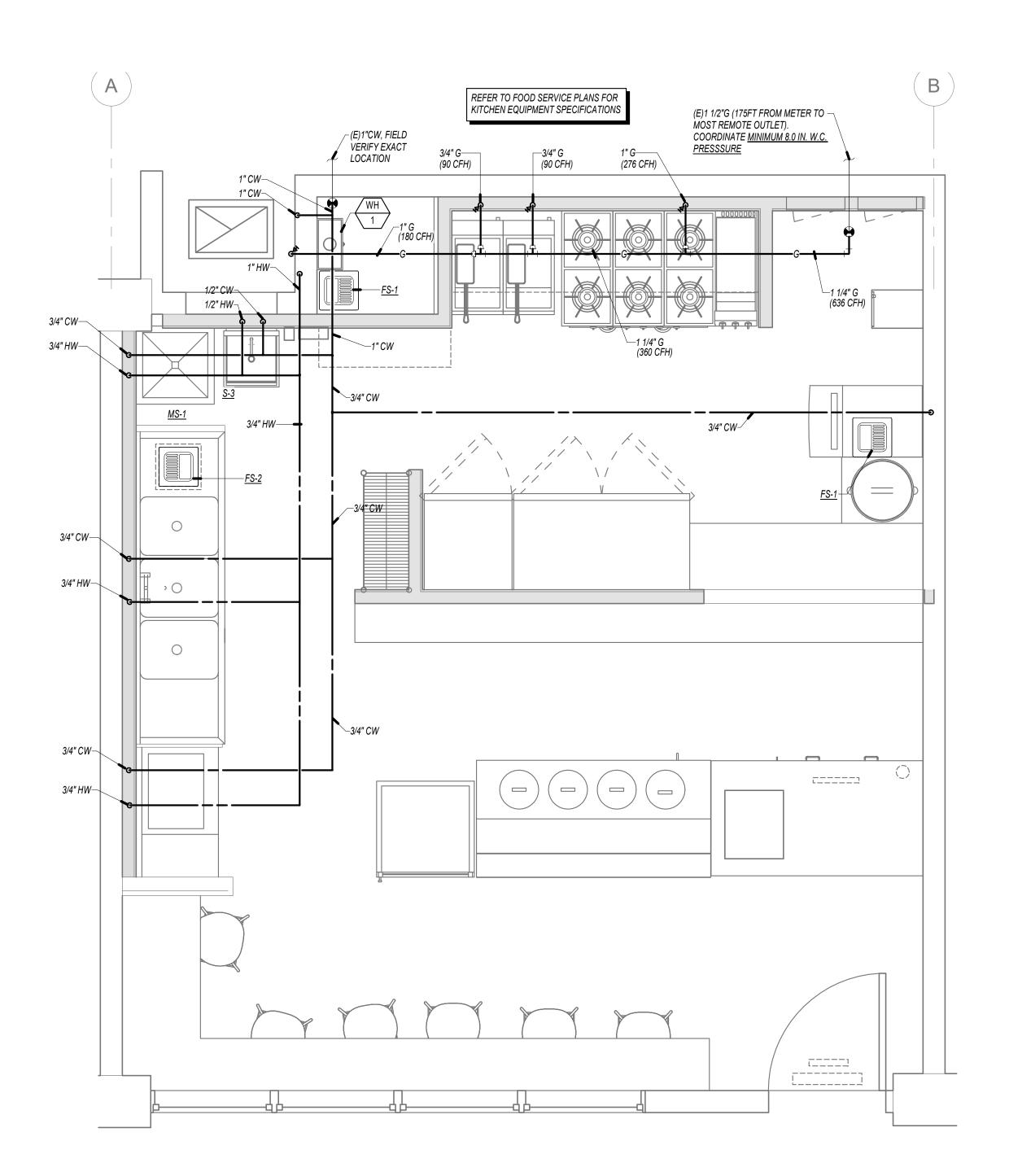
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FIXTURE SCHEDULE

SPECIFICATIONS

<u>FLOOR SINK</u>: JOSAM #49300, 8"x8"x6", HUBLESS ACID RESISTANT ENAMELED CAST IRON RECEPTOR WITH REMOVABLE BOTTOM STRAINER, HALF GRATE, TRAP PRIMER CONNECTION AND P-TRAP.

<u>FLOOR SINK</u>: JOSAM #49340A-NB-3, 12"x12"x8", HUBLESS ACID RESISTANT ENAMELED CAST IRON RECEPTOR WITH REMOVABLE BOTTOM STRAINER, HALF GRATE, TRAP PRIMER CONNECTION AND P-TRAP.



1/2" = 1'-0"

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PLUMBING DOMESTIC WATER & GAS PLAN



NORTH

### GENERAL NOTES

- 1. UNLESS NOTED ALL CW & HW RISERS FROM FIXTURE TO CEILING ARE 1/2", SEE FIXTURE SCHEDULE ON P-0.2
- 2. SEE FIXTURE SCHEDULE FOR ADA & STANDARD RIM HEIGHTS FOR WC-1 ON P-0.2
- 3. ALL VENTING SHALL HAVE A MIN. OF 10' CLEARANCE FROM ANY FORCED AIR INLET W/ A MIN. OF 3' CLEARANCE ABOVE & A MIN OF 4' CLEARANCE FROM ANY PROPERTY LINE EXCEPT A PUBLIC WAY
- 4. NEW OR REPAIRED POTABLE WATER SYSTEMS SHALL BE
- 5. CONTRACTOR SHALL PATCH FLOORS, WALLS & CEILINGS TO MATCH NEW CONSTRUCTION PER ARCHITECT'S SPECIFICATIONS
- 6. COORDINATE EXACT LOCATION OF S.O.V. BACKFLOW DEVICE, WATER METER, GAS METER & GREASE INTERCEPTOR WITH ARCHITECT IF APPLICABLE
- 7. SHUT OFF VALVES SHALL BE PROVIDED ON ALL MAIN BRANCHES, RUNS TO RISERS, AND WHERE SHOWN ON DRAWINGS. LOCATE SHUT OFF VALVES OVER T-BAR CEILING WHERE POSSIBLE. PROVIDE ACCESS PANELS WHEN SHUT-OFF VALVES ARE LOCATED OVER HARD LID CEILINGS.
- 8. ALL WASTE LINES INSIDE BUILDING SHALL BE SLOPED AT 2% UNLESS NOTED OTHERWISE
- 9. ALL CONDENSATE LINES INSIDE BUILDING SHALL BE SLOPED AT 1%
- 10. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS UNDER WHICH HE WILL BE REQUIRED TO WORK.
- 11. ALL INDICATED DIMENSIONS ARE APPROXIMATE AND ARE GIVEN FOR ESTIMATE PURPOSES ONLY. BEFORE PROCEEDING WITH THE WORK THIS CONTRACTOR SHALL CAREFULLY CHECK AND VERIFY ALL DIMENSIONS, SIZES, REQUIRED CLEARANCES AND SHALL ASSUME FULL RESPONSIBILITY FOR THE FITTING OF ALL EQUIPMENT AND MATERIALS HEREIN REQUIRED TO OTHER PARTS OF THE WORK OF OTHER TRADES. DUCT DIMENSIONS SHOWN ON PLANS ARE NET INSIDE CLEAR.
- 12. THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC TO THE EXTENT THAT ALL OFFSETS, BENDS, SPECIAL FITTINGS AND LOCATIONS ARE NOT EXACTLY LOCATED. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ACCURATE AS-BUILT DRAWINGS AT THE COMPLETION OF THE PROJECT AND SUBMITTING THEM TO THE ENGINEER AND OWNER.
- 13. IN THE PREPARATION OF THESE DOCUMENTS, CERTAIN ASSUMPTIONS ARE MADE REGARDING EXISTING CONDITIONS. SOME OF THESE ASSUMPTIONS MAY NOT BE VERIFIABLE WITHOUT EXPENDING ADDITIONAL SUMS OF MONEY OR DESTROYING OTHERWISE ADEQUATE OR SERVICEABLE PORTIONS OF EXISTING BUILDINGS AND/OR EQUIPMENT. THEREFORE, THE ENGINEER SHALL NOT BE HELD RESPONSIBLE FOR ANY CHANGES OR ADDITIONAL COSTS INCURRED DUE TO EXISTING CONDITIONS.
- 14. PROVIDE APPROVED ACCESS PANELS FOR TRAP PRIMERS
- 15. ALL DOMESTIC HOT WATER LINES TO BE INSULATED PER CPC SECTION 609.11.2. HOT WATER PIPE INSULATION SHALL HAVE A MINIMUM WALL THICKNESS OF NOT LESS THAN THE DIAMETER OF THE PIPE FOR A PIPE UP TO 2" IN DIAMETER. INSULATION WALL THICKNESS SHALL NOT BE LESS THAN 2" FOR A PIPE OF 2" OR MORE IN DIAMETER.



DISINFECTED PRIOR TO USE, ACCORDING TO APPROVED METHOD DRAWN BY: PROJECT# NUMBER DESCRIPTION DATE

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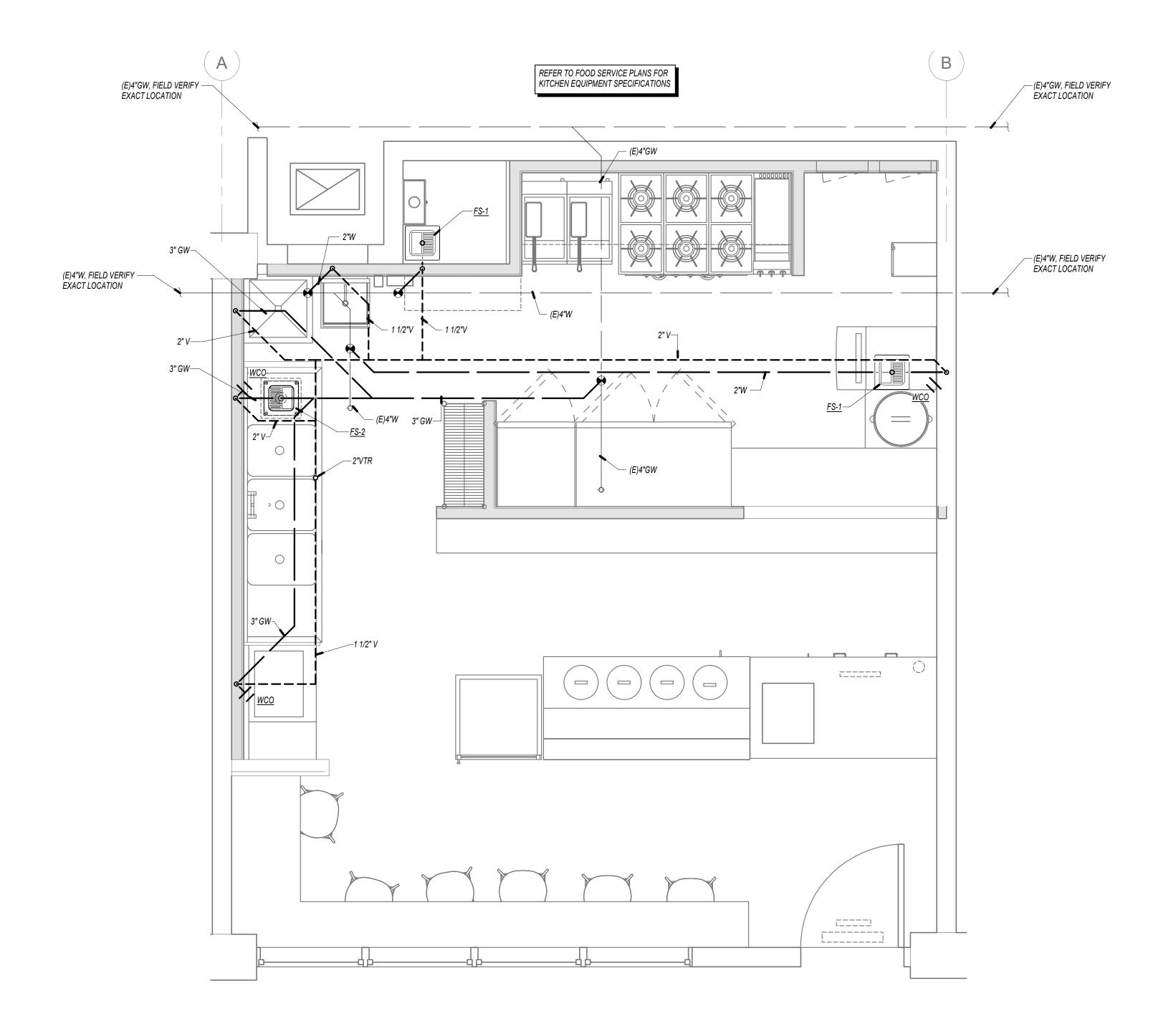
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PLUMBING DOMESTIC WATER & GAS PLAN

P2.1

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NORTH

PLUMBING WASTE & VENT PLAN



### GENERAL NOTES

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DISINFECTED PRIOR TO USE, ACCORDING TO APPROVED METHOD

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DECODIDATION	DAT
DESCRIPTION	DATE
	DESCRIPTION

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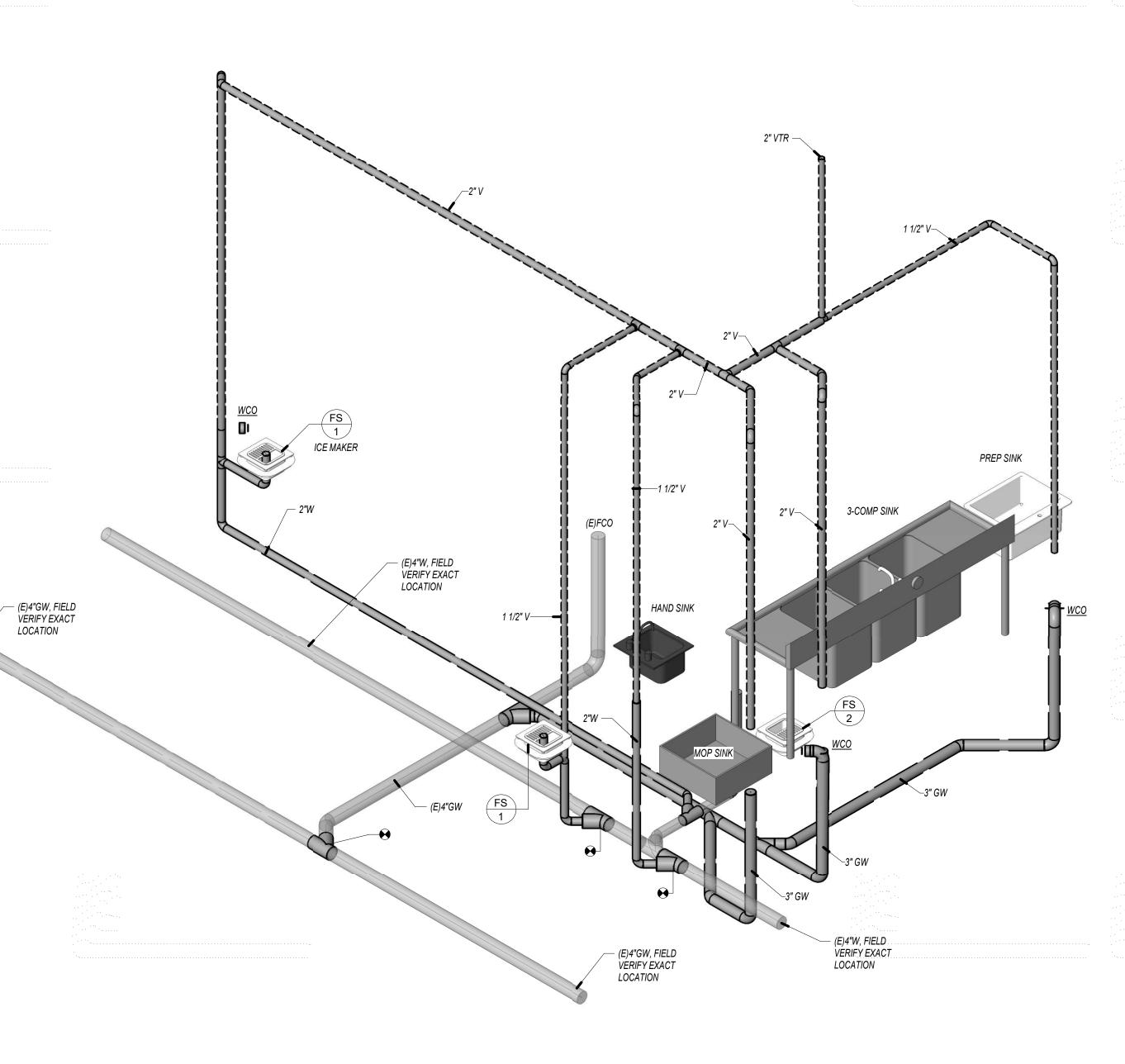


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1/2" = 1'-0"



PLUMBING WASTE & VENT ISOMETRIC



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PLUMBING DOMESTIC WATER ISOMETRIC

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\_\_\_1 1/4" G (636 CFH)

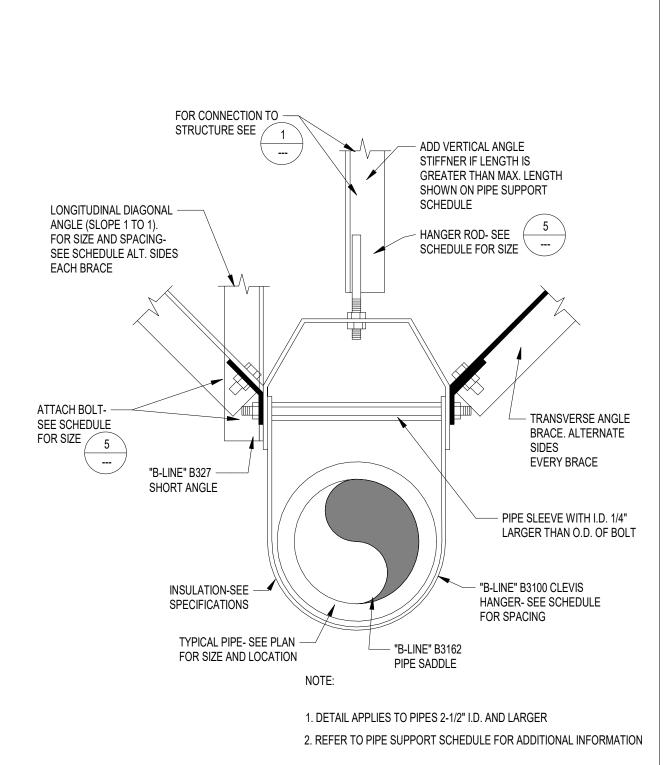
ICE MAKER

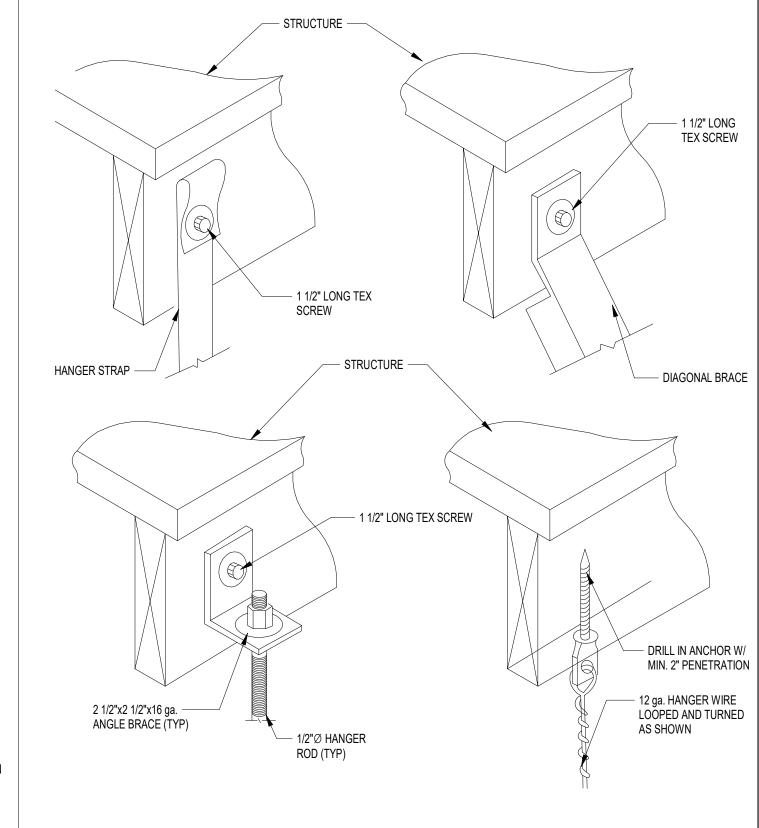
(E)1 1/2"G (175FT FROM METER TO — MOST REMOTE OUTLET) <u>MINIMUM 8.0 IN. W.C. PRESSSURE</u>

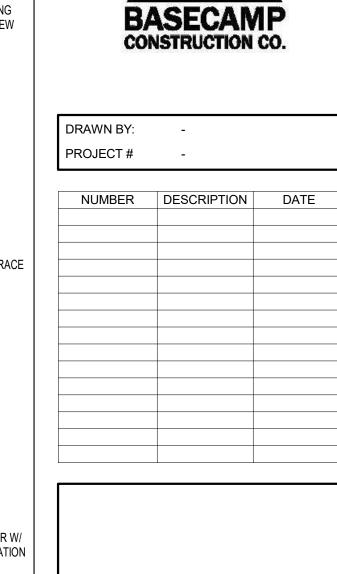
PIPE SIZES IN INCHES	MAXIMUM SPAN BETWEEN SUPPORT HANGERS O.C.		HANGERS ROD DIAMETER SIZE	MAX. LENGTH FOR RODS	LONGITUDINAL ANGLE BRACE	VERITICAL HANGER ANGLE (STIFFNER)	TRANSVERSE ANGLE BRACE	BOLT SIZE
	HORIZ.	VERT.	1			(011111211)		
			COP	PER TUBE	& PIPE			
1/2 & 3/4	6'-0"	10'-0"	3/8"	37"	1-1/2 x 1-1/2 x18 ga @ 80'-0" O.C.	1 x1 x 18ga	1-1/2 x 1-1/2 x18 ga @ 40'-0" O.C.	3/8"
1 thru 1 1/2	6'-0"	10'-0"	3/8"	37"	1-1/2 x 1-1/2 x18 ga @ 80'-0" O.C.	1 x1 x 18ga	1-1/2 x 1-1/2 x18 ga @ 40'-0" O.C.	3/8"
2	10'-0"	10'-0"	3/8"	37"	1-1/2 x 1-1/2 x18 ga @ 80'-0" O.C.	1 x1 x 18ga	2-1/2 x 2-1/2 x16 ga @ 40'-0" O.C.	3/8"
			SCHEDU	LE 40 PVC 8	& ABS DWV	3		
1/2 & 3/4	4'-0"	10'-0"	3/8"	37"	1-1/2 x 1-1/2 x18 ga @ 80'-0" O.C.	1 x1 x 18ga	1-1/2 x 1-1/2 x18 ga @ 40'-0" O.C.	3/8"
1 thru 2	4'-0"	10'-0"	3/8"	37"	1-1/2 x 1-1/2 x18 ga @ 80'-0" O.C.	1 x1 x 18ga	1-1/2 x 1-1/2 x18 ga @ 40'-0" O.C.	3/8"
			CAST IRC	N HUBLES	S (NO HUB)			
1 1/2 & 2	A	15'-0"	3/8"	37"	1-1/2 x 1-1/2 x18 ga @ 80'-0" O.C.	1 x1 x 18ga	1-1/2 x 1-1/2 x18 ga @ 40'-0" O.C.	3/8"
3 thru 6	3 thru 6 A REFER TO SMACNA GUIDELINES IN SCHEDULE BELOW							
A S			INT. SUPPORT SHA ALSO REQUIRED A					
ALL	PIPING	G 2-1/2'	' AND LARGI	R PER THE	FOLLOWIN	G SMACNA G	UIDELINES	
2 1/2	10'-0"	10'-0"	1/2"	25"	2-1/2 x 2-1/2 x16 ga @ 80'-0" O.C.	2 x 2 x 16ga	2-1/2 x 2-1/2 x16 ga @ 40'-0" O.C.	3/8"

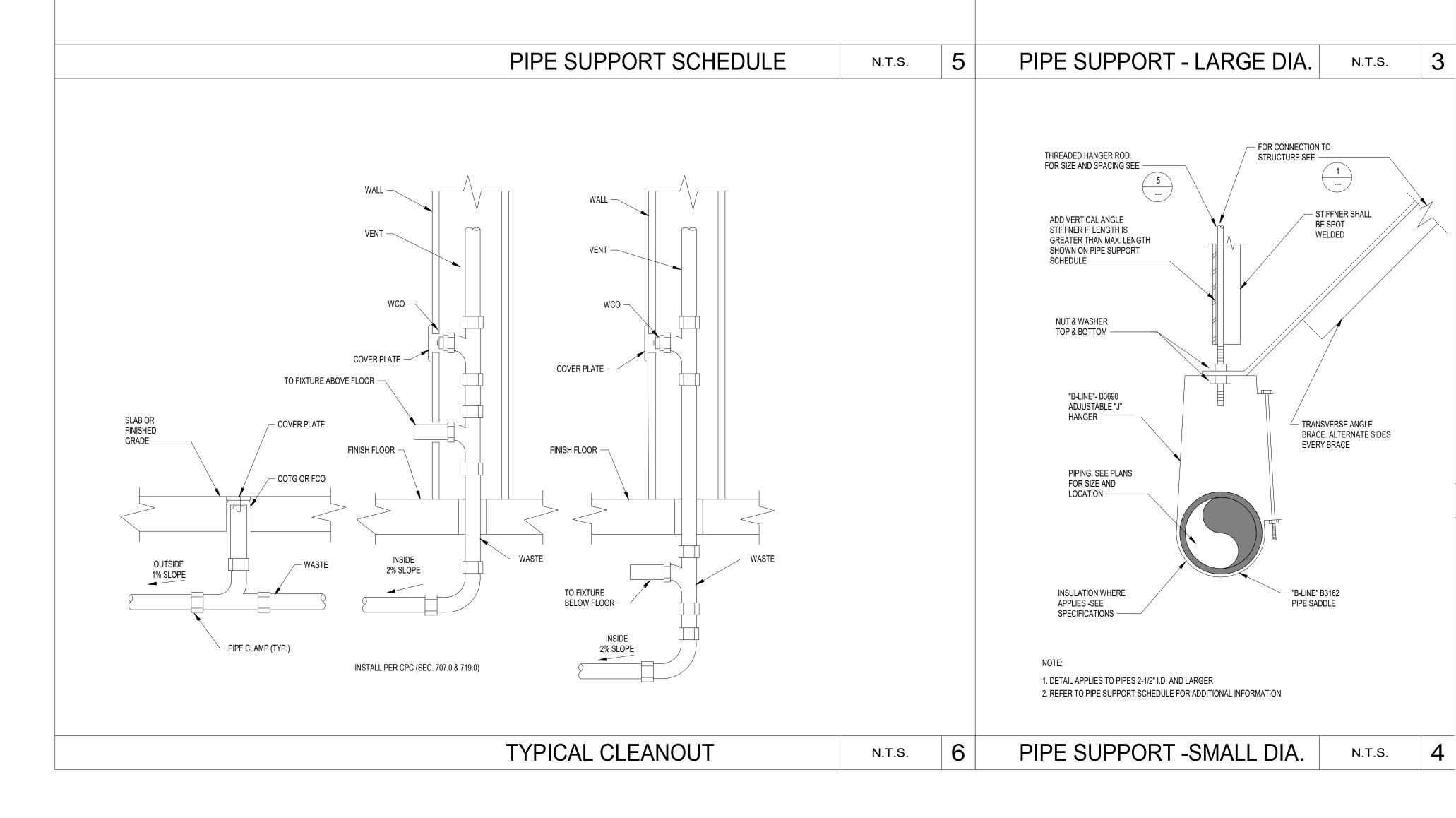
### NOTES:

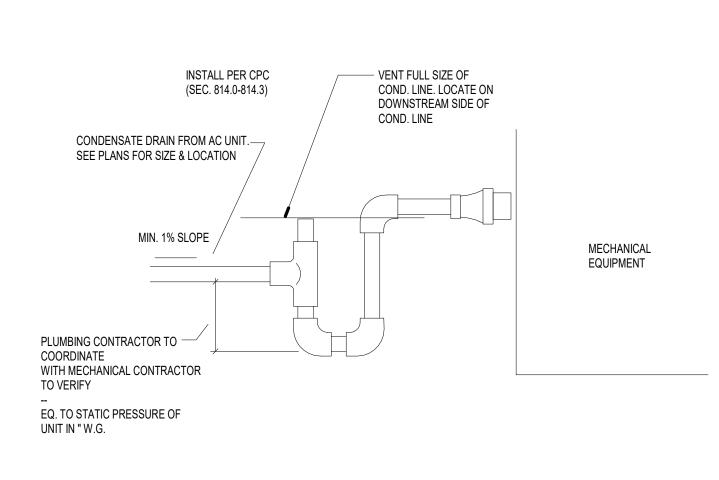
- 1 VERTICAL ANGLE ONLY REQUIRED WHEN ROD MAXIMUM LENGTH IS EXCEEDED. STIFFNER SHALL BE FULL LENGTH OF ROD LESS 2" ON EACH SIDE.
- (2) BRACING MAY BE OMITTED WHERE TOP OF PIPE IS 12" OR LESS FROM BOTTOM OF HANGER SUPPORT CONNECTED TO STRUCTURE
- 3 ALLOW FOR EXPANSION EVERY 30'-0"



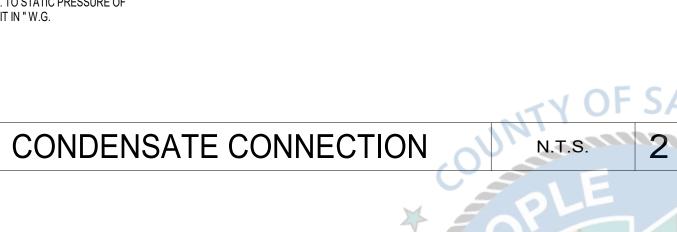








CONNECTION TO STRUCTURE

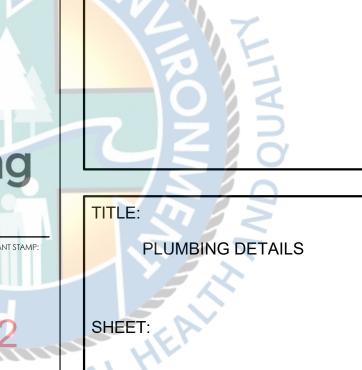




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