

115 N MCKINLEY ST. STE 107 CORONA, CA 92879

EXISTING LOT DIGITAL SITE PLAN

LEVANTY TAKEOUT RESTAURANT TALES OF TASTE TENANT IMPROVEMENTS UPGRADES

DRAWING INDEX

SHEET NAME	SHEET NUMBER
COVER & INDEX SHEET	G00
SYMBOLS, ABBREVATION & NOTES	G-001
ADA ACCESSIBILITY DETAILS	G-002
ADA ACCESSIBILITY DETAILS	G-002.1
CA-GREEN BUILDING STANDARDS	GR-01
CA-GREEN BUILDING STANDARDS	GR-02
CA-GREEN BUILDING STANDARDS	GR-03
OVERALL SITE PLAN	A-001
EXISTING CONDITIONS FLOOR PLAN	A-002
PROPOSED FLOOR PLAN	A-003
ENLARGED UNISEX BATHROOM PLAN	A-003.1
REFLECTED CEILING PLAN	A-004
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MECHANICAL NOTES	M-01
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CALCULATIONS

TYPE I EXHAUST HOOD

MECHANICAL DETAILS

MECHANICAL DETALS

TITLE 24 - MECHANICAL

TITLE 24 - MECHANICAL

PLUMBING SCHEDULES

PLUMBING WATER & GAS

PLUMBING WASTE & VENT

ELECTRICAL NOTES & SPECIFICATIONS

SINGLE LINE DIAGRAM & SCHEDULES

STRUCTURAL ABBREVIATIONS, SYMBOLS &

PLUMBING NOTES

PLUMBING DETAILS

POWER PLAN

SCHEDULES

TOTAL SHEETS: 37

LIGHTING PLAN

STRUCTURAL NOTES

ROOF FRAMING PLAN

EXHAUST HOOD GREASE DUCT

MECHANICAL SCHEDULE & DETAILS

APPLICABLE CODES

• LATEST VERSION OF CITY OF CORONA MUNICIPAL CODE COUNTY OF RIVERSIDE MUNICPAL CODE & COUNTY OF RIVERSIDE/SANBERNARDINO HEALTH DEPARTMENT CODE. 2022 CALIFORNIA BUILDING CODE TITLE 24, C.C.R.2018 INTERNATIONAL BUILDING CODE (IBC) /2019 BUILDING STANDARDS ADMINISTRATIVE CODE. TITLE 24, C.C.R.

 2022 CALIFORNIA EXISTING BUILDING CODE (CEBC) / 2018 INTERNATIONAL EXISTING BUILDING CODE (IÈBC)

• 2022 CALIFORNIA ELECTRICAL CODE (CEC) / 2019 NATIONAL ELECTRICAL CODE (NEC)

 2022 CALIFORNIA MECHANICAL CODE (CMC) / 2018 UNIFORM MECHANICAL CODE (UMC) • 2022 CALIFORNIA PLUMBING CODE (CPC)/2018 UNIFORM

2022 CALIFORNIA GREEN BUILDINGS STANDARDS CODE

2022 CALIFORNIA ENERGY CODE

PLUMBING CODE (UPC)

DEFERRED SUBMITTALS • HOOD ANSUL SYSTEM (FIRE DEPARTMENT)

• ANY EXTERIOR SIGNAGE IS UNDER A SEPARATE PERMIT.

OWNER

Zaher Dakelbab DIRECTOR & CEO

M-03

M-04

M-04.1

M-05

M-06

M-07

M-08

M-09

P-00

P-001

P-002

P-003

P-004

E-00

E-001

E-002

E-003

S-00

S-0.1

CELL: 424-355-4406 E: LEVANTYCORONA@GMAIL.COM PROJECT SCOPE OF WORK

- MINOR TENANT IMPROVEMENTS TO AN EXISTING RESTURAUNT WITH TYPE

- UPGRADING THE EXISTING HOOD FROM 8 FEET TYPE I TO 16 FEET TYP EXTENDING GAS LINE FOM GAS METER TO THE HOOD AREA FOR KITCHEN EQUIPMENT & INCREASING SIZE TO ACCOMODATE THE EQUIPMENTS LOADS

- REMOVING EXISTING POINYWALL AT CASHIER AND INSTALL NEW PONY WALL 3 FEET FURTHER TO PROVIDE MORE SPACE IN THE SERVICE AREA.

/WATER/WASTE/VENT/ELECTRICAL/RESTROOM HVAC/CELING/ FLOORING/WALLS ARE TO REMAIN AS IS HOWEVER WILL SHOW ON THE DRAWINGS AS EXISTING FOR REFERENCE SO THE PLAN CHECKER BE ABLE TO REVIEW THE EXISTING CONDITION AND DETERMINE COMPLIANCE TO THE

-PLEASE NOTE THAT THE NEW HOOD WILL UTILIZE THE EXISTING EXHAUST FAN ROOF OPENNING & NO NEED FOR STRUCTURAL CALCULATIONS IN THIS PROJECT SCOPE OF WORK, HOWEVER THERE ARE DETAILS FOR CURB INSTALLATION & SUPPORT OF THE NEW HOOD AND NEW EXHAUST FAN.

DESIGN & ENGINEERING



O: 714-844-2140 C: 951-903-2284 WWW.ACCANDENGINEERING.COM

PROJECT'S TEAM

BEN HAMED, ASSOC.AIA., ASCE. E: BEN@ACCANDENGINEERING.COM

MOSTAFA BAYOUMI. P.E CIVIL ENGINEER E.O.R MAGDY REZK, P.E

E: MAGDY@ACCANDENGINEERING.COM

MECHANICAL ENGINEER REED STOUT, P.E

ELECTRICAL ENGINEER

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E: MOSTAFAPE@ACCANDENGINEERING.COM

FIRE DEPARTMENT NOTES

- FIRE DEPARTMENT FINAL INSPECTION REQUIRED. SCHEDULE INSPECTION 24 HOURS IN ADVANCE. PHONE (951) 736-2220 TO SCHEDULE INSPECTIONS. ANY REQUIRED PLAN REVIEW AND/OR INSPECTION FEES SHALL BE REMITTED AT THE FIRE DEPARTMENT COUNTER, 735 PUBLIC SAFETY WAY, 2ND FLOOR, AND ARE INDEPENDENT OF FEES COLLECTED BY THE BUILDING DEPARTMENT.
- LOCATIONS AND CLASSIFICATIONS OF FIRE EXTINGUISHERS SHALL BE IN ACCORDANCE WITH THE 2022 EDITION OF THE CALIFORNIA FIRE CODE, AND PLACEMENT IS SUBJECT TO THE APPROVAL OF THE FIRE
- STORAGE, DISPENSING OR USE OF ANY FLAMMABLE AND COMBUSTIBLE LIQUIDS, FLAMMABLE AND COMPRESSED GASES, AND OTHER HAZARDOUS MATERIALS SHALL COMPLY WITH THE 2022 EDITION OF THE CALIFORNIA FIRE CODE. THE STORAGE AND USE OF HAZARDOUS MATERIALS SHALL BE APPROVED BY THE CORONA FIRE DEPARTMENT PRIOR TO ANY MATERIALS BEING STORED OR USED ON SITE. A SEPARATE PLAN SUBMITTAL AND APPROPRIATE PERMIT(S) ARE REQUIRED PRIOR TO THE STORAGE AND USE OF HAZARDOUS MATERIALS AND OR FLAMMABLE/COMBUSTIBLE LIQUIDS.
- PLANS OF NEW OR MODIFICATIONS TO EXISTING FIRE PROTECTION, DETECTION, ALARM OR MONITORING SYSTEMS SHALL BE APPROVED BY THE CORONA FIRE DEPARTMENT PRIOR TO INSTALLATION. PLANS FOR NEW OR MODIFICATIONS TO EXISTING SYSTEMS SHALL BE REVIEWED AND APPROVED PRIOR TO COMMENCEMENT OF ANY WORK ON THE SYSTEM, PER CFC 901.2.

- ALL FIRE PROTECTION/DETECTION SYSTEMS REQUIRE A SEPARATE SUBMITTAL AND PERMIT FOR PROPOSED WORK, PRIOR TO INSTALLATION IN ACCORDANCE WITH CFC 901.2.
- REQUIRED FIRE CODE PERMITS PER CFC 105.6 WILL BE APPLIED FOR AND PROCESSED PRIOR TO FINAL INSPECTION AND/OR CERTIFICATE OF OCCUPANCY. FIRE CODE PERMIT APPLICATION AND ALL OTHER GUIDELINES ARE AVAILABLE AT THE CITY WEBSITEWWW.CORONACA.GOV

DESIGN PROFESSIONAL IN CHARGE GENERAL RESPONSIBLE STATEMENT

IT IS THE ENGINEER-OF-RECORD'S RESPONSIBILITY TO CHECK AND CONFIRM THE PRESENCE OF EXISTING ACCESSIBILITY FEATURES SHOWN IN THE REFERENCE DRAWINGS SUBMITTED PRIOR TO THE PERMIT BEING ISSUED. SUBMITTED PLANS MUST INCLUDE DETAILED CONFIRMATION OF EXISTING DISABLED ACCESS FEATURES AND/OR ANY REQUIRED DISABLED ACCESS IMPROVEMENTS.

BUILDING LEGAL DESCRIPTION & DATA 115 N MCKINLEY ST. STE 107 CORONA, CA 92879 LEGAL DESCRIPTION: .32 ACRES IN PAR 4 PM 155/026 PM 23376 **LEGAL JURISDICTION:** CITY OF CORONA BUILDING DEPARTEMENT APN/Parcel ID: 172-050-003 LOT SIZE: 0.32 (NO CHANGES) **SUITE 107 SQUARE FOOTAGE** 1160 FT2 (NO CHANGES) GROSS AREA REGIONAL SHOPPING CENTER OR MALL LAND USE: OCCUPANT LOAD: (ONE). NO. OF STORIES: RESTAURANT WITH LESS THAN 50 OCCUPANTS PROPOSED OCCUPANCY USE: OCCUPANCY TYPE OF CONSTRUCTION V-B NON RATED NO HIGH-RISE: YES FIRE ALARM: NOT SPRINKLER SPRINKLER TYPE: THIS PROJECT HAS BEEN DESIGNED TO BE HANDICAP ACCESSIBILITY: COMPLAISANCE WITH THE STATE OF CALIFORNIA TITLE 24ACCESSIBILITY REQUIREMENTS.

LEVANTY RESTURAUNT NOTES:

- NUMBER OF EMPLOYEES (INCLUDING MANAGERS): 4
- THERE ARE NO SIT-DOWN DINING (SEATS &/OR TABLES IN THE RESTURAUNT) NO SERVING FOOD INSIDE THE FACILITY, NO SEATS ON SERVICE COUNTER
- AND ALL FOOD TO BE TAKE OUT ONLY. CUSTOMER FATING AND DRINKING UTENSII S ARE SINGLE SERVICE

REQUIRED	DITIMBING	FIXTLIRES
131 (3())131 17		

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STORY	OCCUPANCY GROUP	OL	WATER CLOSETS	URINALS	LAVATORIES	UNISEX COMPLIES	DRINKING FOUNTAINS	OTHER	EXISTING IN COMPLIANCE	FI
1	В	30	MALE:1 FEMALE:1	MALE:1	MALE:1 FEMALE:1	YES	0.13	1 SERVICE SINK	YES (E) UNITSEX	

1- UNISEX RESTROOMS ARE ALLOWED WHEN THE TOTAL OCCUPANT LOAD IS 50 OR LESS. SINCE THE RESTAURANT HAS AN OCCUPANT LOAD OF 30, A UNISEX RESTROOM IS PERMISSIBLE (CALIFORNIA PLUMBING CODE 2022, 422.2).

2- IF A UNISEX RESTROOM IS PROVIDED, IT CAN CONTAIN A MAXIMUM OF ONE LAVATORY, AND TWO WATER CLOSETS WITHOUT URINALS OR ONE WATER CLOSET AND ONE URINAL (CALIFORNIA BUILDING CODE 2022 (VOL 1 & 2),11B-213.2.1).

3-ALL UNISEX RESTROOM DOORS SHOULD HAVE PRIVACY LATCHES (CALIFORNIA BUILDING CODE 2022 (VOL 1 & 2), 11B-213.2.1).

4-UNISEX RESTROOMS NEED TO BE MARKED WITH AN APPROPRIATE SIGN, SUCH AS THE COMBINED CIRCLE AND TRIANGLE SYMBOL SPECIFIED IN THE CALIFORNIA BUILDING CODE 2022 (VOL 1 & 2), 11B-703.7.2.6.3.

OTHER ANALYSIS

THIS WORK.

AS A RESULT.

ISSUANCE A CLASS B

1- SEE SITE PLAN SHEET A-100 FOR PARKING LOT CALCULATION. 2- SEE SHEET G-100/200 FOR MORE ADA COMPLIANCE DETAILS & NOTES

DETAILED AND INSTALLED BY ANY OTHER CONTRACT. THE

CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT

SHOULD ANY UNIDENTIFIED CONDITIONS BE DISCOVERED.

3. THESE DOCUMENTS AND THE IDEAS AND DESIGNS

AUTHORIZATION OF ACC & ENGINEERING

INCORPORATED HEREIN, AS AN INSTRUMENT OF

4. THE WORK SHOWN ON THESE DRAWINGS AS EXISTING

CONTRACTOR SHALL POSSESS AT THE TIME OF

CONDITIONS WAS PREPARED FROM INFORMATION

PROFESSIONAL SERVICE, ARE THE PROPERTY OF ACC &

ENGINEERING, AND ARE NOT TO BE USED, IN WHOLE OR

IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN

FURNISHED BY THE OWNER. WHILE THIS INFORMATION IS

BELIEVED TO BE RELIABLE, ACC & ENGINEERING IS NOT

WORK SHOWN AS EXISTING NOR IS ACC & ENGINEERING

RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH

OR THE APPROPRIATE CLASS C CONTRACTOR'S LICENSE

SUCCESSFUL BIDDER MUST MAINTAIN THE LICENSE

THROUGHOUT THE DURATION OF THIS CONTRACT.

A. GENERAL: FIRE SAFETY DURING CONSTRUCTION SHALL

OF REGULATIONS (CCR) TITLE 24, PART 9, CHAPTER 5 AND

B. ACCESS ROADS: FIRE DEPARTMENT ACCESS ROADS SHALL BE

CHAPTER 5, SECTION 501.4 AND CHAPTER 33, SECTION 3310.

ESTABLISHED AND MAINTAINED IN ACCORDANCE WITH

FIRE SAFETY DURING CONSTRUCTION

PURSUANT TO PUBLIC CONTRACT CODE SECTION 3300 AND

BUSINESS AND PROFESSIONS CODE SECTION 7028.15. THE

MAY HAVE BEEN INCORPORATED INTO THESE DRAWINGS

RESPONSIBLE FOR THE ACCURACY OR ADEQUACY OF ANY

2022 CBC TABLE 1004 OCCUPANT LOAD - SINGLE-OCCUPANCY CATEGORY B, RESTAURANT, NON-SPRINKLERED

	OCCUPANCY CALCULATION FOR EGRESS										
STORY	SPACE FUNCTION	OCCUPANCY GROUP	SPACE AREA		OLF	OCCUPANT LOAD					
	CUSTOMER ORDERING	В	52 ft. ²	(NET) /1	(5)	(11)—/1					
	SERVICE AREA	В	171 ft. ²	(NET)	200	1					
1	KITCHEN AREA	В	167 ft. ²	(NET)	200	1					
	DRY STORAGE	В	141 ft. ²	(NET)	300	1					
	RESTROOM + HALLWAY	В	344 ft. ²	(NET)	200	2					
		TAL OCCUPAN	CY LOAD	(16)—/1							

2022 CBC TABLE 1004 EGRESS BASED ON OCCUPANT LOAD AND COMMON PATH OF EGRESS TRAVEL DISTANCE

EGRESS & EXITING ANALYSIS FOR SINGLE EXIT CONDITION							
1. TOTAL OCCUPANT LOAD 16 OCCUPANTS LESS THAN 49 OCCUPANTS							
2.NUMBER OF EXITS REQUIRED PER OCCUPANT LOAD (LESS THAN 49)	1	NUMBER OF EXITS PROVIDED	1				
3.MAXIMUM EXIT ACCESS / COMMON PATH OF EGRESS TRAVEL DISTANCE	100'-0"	MAXIMUM EXISTING DISTANCE	55'				

2022 CBC TABLE 803.13

ANALYSIS COMPLIANCE

CONDITION COMPLIES WITH 1006.2.1 AND A SINGLE EXIT

SI	ORY		INTERIOR BOILDING ELEMENT TITLE						
		PRIMARY ST	RUCTURAL F	RAME		1			
		INTERIOR BE	1						
	AI I	INTERIOR NO	0						
		FLOOR CON	1						
		ROOF CONS	1						
WA	IA IIA	ND CEILINGS							

BUILDING ELEMENT FIRE RESISTANCE RATING

MIN. FIRE RESISTANCE

CLASS II FLAME SPREAD

2.THE CONTRACTOR SHALL REPLACE ALL (E) FIREPROOFING AFFECTED BY NEW

1.THE CONTRACTOR SHALL REPLACE ALL MISSING FIREPROOFING AND FIRESTOPPING.

CONSTRUCTION WITH FIREPROOFING TO MATCH BASE BUILDING STANDARDS, APPROVED

INTERIOR BUILDING ELEMENT TYPE

EQUAL TO MATCH THE EXISTING. 3.ALL CONSTRUCTION SHALL BE NON-COMBUSTIBLE.

4.ALL WOOD AND WOOD BLOCKING SHALL BE FIRE RETARDANT TREATED.

5.ALL INTERIOR FINISHES SHALL COMPLY WITH THE REFERENCED CODE REQUIREMENTS FOR FLAMMABILITY AND SMOKE DEVELOPED RATINGS AS WELL AS TOXICITY.

1. ANY FIRE WALLS PRESENT MUST MEET THE MINIMUM FIRE RESISTANCE RATINGS OF 1 HOUR PER OCCUPANCY GROUP B.

2. WHERE A BUILDING IS DIVIDED INTO SEPARATE FIRE AREAS, SO AS TO ELIMINATE THE NEED FOR AN AUTOMATIC FIRE SPRINKLER SYSTEM, THE FIRE WALLS, FIRE BARRIERS, HORIZONTAL ASSEMBLIES, OR THE COMBINATION THEREOF MUST BE CONSTRUCTED IN ACCORDANCE WITH TABLE 707.3.10. IN A MIXED OCCUPANCY THE HIGHER RATINGMUST BE USED.

GENERAL NOTES

- ALL LAVATORY PIPING (HOT, COLD, AND WASTE) SHALL BE C. WATER SUPPLY: WATER MAINS AND HYDRANTS SHALL BE INSULATED. [CBC 11B- 606.5] OPERATIONAL IN ACCORDANCE WITH CHAPTER 5, SECTION 501.4 AND CHAPTER 33, SECTION 3312.
- 2. LOCATIONS OF ALL UTILITIES SHOWN ARE APPROXIMATE AND D. BUILDING ACCESS: ACCESS TO BUILDINGS FOR THE PURPOSE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN OF FIREFIGHTING SHALL BE PROVIDED. CONSTRUCTION EXCAVATING AND TRENCHING ON THIS SITE TO AVOID MATERIAL SHALL NOT BLOCK ACCESS TO BUILDINGS, HYDRANTS OR FIRE APPLIANCES. INTERCEPTING EXISTING PIPING OR CONDUITS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL E. ALTERATIONS OF BUILDINGS: SHALL COMPLY WITH APPLICABLE EXISTING UTILITIES WHETHER SHOWN HEREON OR NOT AND TO PROTECT THEM FROM DAMAGE. THE DESIGNER IS NOT PROVISIONS OF CHAPTER 33. RESPONSIBLE FOR THE LOCATION OF UNDERGROUND F. DEMOLITION OF BUILDINGS: SHALL COMPLY WITH APPLICABLE UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR

PROVISIONS OF CHAPTER 33.

- G. FIRE WATCH: MAINTAIN FIRE WATCH WHEN REQUIRED BY THE BUILDING OFFICIAL AND WHEN EXISTING FIRE PROTECTION THE CONTRACTOR SHALL BEAR ALL EXPENSE OF REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED SYSTEMS ARE SHUT DOWN FOR ALTERATIONS IN ACCORDANCE WITH CHAPTER 33, SECTION 3304.5. FIRE WATCH SHALL REMAIN BY OPERATIONS IN CONJUNCTION WITH THE EXECUTION OF IN EFFECT UNTIL EXISTING FIRE PROTECTION SYSTEMS ARE RETURNED TO SERVICE OR AS ALLOWED BY THE BUILDING
 - PENETRATIONS TO FIRE RATED MATERIALS OR ASSEMBLIES SHALL BE RESTORED TO EQUAL RATING. FIRE STOP SYSTEMS AS LISTED BY UNDERWRITERS LABORATORIES SHALL BE INSTALLED PER FIRE RESISTANCE DIRECTORY. FIRE STOP SYSTEMS SHALL BE AS SPECIFIED.
 - NONRESIDENTIAL ENERGY STANDARDS COMPLIANCE STATEMENT (TITLE 24, PART 6):

THE DESIGN INDICATED HEREIN COMPLIES WITH THE REQUIREMENTS OF THE ENERGY CONSERVATION STANDARDS OF TITLE 24, PART 6, CALIFORNIA CODE OF REGULATIONS. THE PROPOSED BUILDING(S) WILL BE IN COMPLIANCE WITH THE ENERGY CONSERVATION STANDARDS PROVIDED IT (THEY) IS (ARE) BUILT ACCORDING TO THESE DRAWINGS AND SPECIFICATIONS AND PROVIDED ANY FUTURE IMPROVEMENTS ARE COMPLETED ACCORDING TO THE REQUIREMENTS OF TITLE 24, PART 6, CALIFORNIA CODE OF REGULATIONS. THESE PLANS AND SPECIFICATIONS HAVE BEEN PREPARED TO INCLUDE ALL SIGNIFICANT ENERGY CONSERVATION FEATURES REQUIRED FOR COMPLIANCE WITH THE STANDARDS. BUILDING AREAS THAT ARE UNCONDITIONED AND/OR NOT SUBJECT TO THE STANDARDS ARE INDICATED ON THE PLANS.

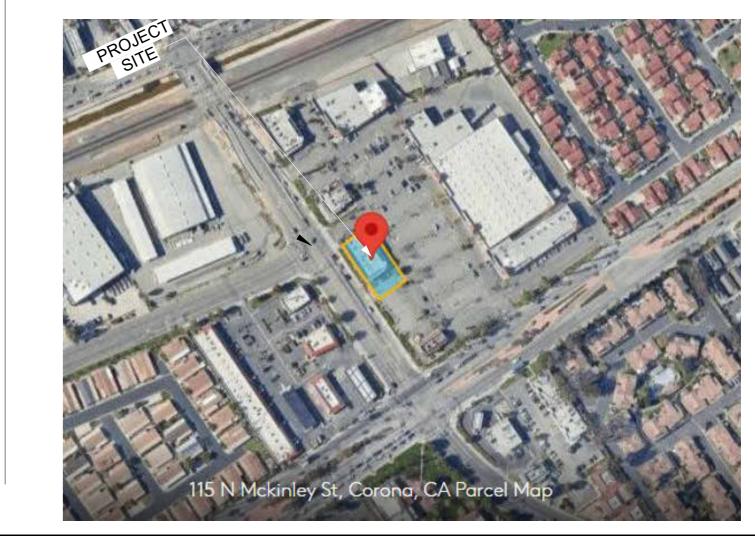
ENVELOPE MANDATORY MEASURES:

- A. INSTALLED INSULATING MATERIALS SHALL HAVE BEEN COMPLY WITH CALIFORNIA FIRE CODE (CFC) CALIFORNIA CODE CERTIFIED BY THE MANUFACTURER TO COMPLY WITH THE CALIFORNIA QUALITY STANDARDS FOR INSULATING MATERIAL.
 - B. ALL INSULATING MATERIALS SHALL BE INSTALLED IN COMPLIANCE WITH THE FLAME SPREAD RATING AND SMOKE DENSITY REQUIREMENTS OF TITLE 24, PART 2, CALIFORNIA CODE OF REGULATIONS, SECTIONS 720 AND 2603.

- ENVELOPE THAT ARE POTENTIAL AND OBSERVABLE SOURCES OF AIR LEAKAGE SHALL BE CAULKED, GASKETED, WEATHERSTRIPPED OR OTHERWISE SEALED.
- D. SITE CONSTRUCTED DOORS, WINDOWS, AND SKYLIGHTS SHALL BE CAULKED BETWEEN THE UNIT AND THE BUILDING. AND SHALL BE WEATHERSTRIP (EXCEPT FOR UNFRAMED GLASS DOORS AND FIRE DOORS).
- E. MANUFACTURED DOORS AND WINDOWS INSTALLED SHALL HAVE AIR INFILTRATION RATES CERTIFIED BY THE MANUFACTURER IN ACCORDANCE WITH TITLE 24, PART 6, CALIFORNIA CODE OF REGULATIONS, SECTION 110.6.
- MANUFACTURED FENESTRATION PRODUCTS IN THE ENVELOPE OF THE BUILDING, INCLUDING, BUT NOT LIMITED TO, WINDOWS, SLIDING GLASS DOORS, FRENCH DOORS, SKYLIGHTS, CURTAIN WALLS, AND GARDEN WINDOWS MUST BE LABELED FOR U-VALUE IN ACCORDANCE WITH THE (NFRC) NATIONAL FENESTRATION RATING COUNCIL'S INTERIM U-VALUE RATING PROCEDURE.
- G. DEMISING WALL INSULATION SHALL BE INSTALLED IN ALL OPAQUE PORTIONS OF FRAMED WALLS (EXCEPT DOORS).
- DEFERRED APPROVAL ITEMS FOR THIS PROJECT ARE THE **FOLLOWING ITEMS:**

•AUTOMATIC FIRE SPRINKLERS

VICINITY MAP





Design | Engineering | Construction

Ben Hamed, AM.ASCE, AIA DESIGNER ENGINEER **ACC & ENGINEERING** 1130 N KRAEMER BLVD #I ANAHEIM, CA 92806 714-844-2140 Ben@accandengineering.com www.accandengineering.com

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CONTRACTOR CONTRACTOR TO PULL PERMIT AFTER APPROVAL OF PLANS AMERICAN CONSTRUCTION COMPANY 1130 N KRAEMER BLVD #I

ANAHEIM, CA 92806

LIC#1073807

PROJECT NAME LOCATION

AUTHORITY HAVING JURISDICTION (AHJ) BUILDING DEPARTMENT | CITY OF CORONA

REVISION SCHEDULE REVISION REVISION REVISION

SEQUENCE DESCRIPTION DATE Revision 1 04-19-2024

> ENGINEER OF RECORD REVIEWED BY SEAL / STAMP

THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER IS THE LEGAL REPRESENTATION THAT THIS ENGINEERING DRAWINGS, PLANS, AND SPECIFICATIONS WERE PREPARED EITHER BY THE PROFESSIONAL ENGINEER OR ANY OF ACC ENGINEERING FIRM DESIGNERS WHO WERE UNDER THE RESPONSIBLE CHARGE (DIREC' CONTROL AND PERSONAL SUPERVISION) O THE PROFESSIONAL ENGINEER. IT FURTHER CERTIFIES THAT THE WORK PERFORMED WA DONE COMPETENTLY, MEETS THE PROFESSIONAL STANDARD OF CARE, AND IS IN ACCORDANCE WITH ACCEPTED STANDARDS OF



COVER & INDEX SHEET

SHEET NAME

SHEET NUMBER

G00

CENTERLINE

AT OR ABOUT

INCH OR REPEAT

VERIFY IN FIELD

ANCHOR BOLT

ACCESSIBLE

AGGREGATE

ALUMINUM

ANODIZED

ASPHALT

BITUM

B.W.

C.B.

C.F.M.

CLR.

C.M.U

COMPO

CONN.

CONT.

CSK.

DISP

D.S.P.

ELEC.

ELEV.

ENCL

E.O.S.

EQPT.

E.O.C.

EXH.

EXP.

EXIST.

EXPO.

FLUOR

FNDN.

F.O.C.

F.O.F.

F.O.A.

F.O.G.

E.S.

C.T.

CONTR.

CONSTR

ASSEMBLY

BITUMINOUS

BUILDING

BLOCKING

BOTTOM

BOTH SIDE:

BOTH WAYS

CATCH BASIN

CUBIC FEET PER MINUTE

CONCRETE MASONRY UNIT

CEILING JOIST OR CONTROL JOINT

CEMENT

CEILING

CLOSET

COLUMN

COMPOSITION

CONNECTION

CONTINUOUS

CONTRACTOR

CRUSHER RUN BAS

DRINKING FOUNTAIN

DISPENSER / DISPOSAL

COUNTERSUNK

CERAMIC TILE

CORRIDOR

CYLINDER

DOUBLE

DEPARTMEN^{*}

DOUGLAS FIR

DIAMETER

DIAGONAL

DOWN

DIMENSION

DRYWALL GRID

DITTO / REPEAT

DOWN SPOUT

DRAWING DRAWER

EXISTING

EACH END

ELEVATION

ELECTRICAL

EMERGENCY

ENCLOSURE

EQUIPMENT

EACH SIDE

EACH WAY

EXISTING

EXPOSED

EXPANSION

FLUORESCENT

FOUNDATION

FACE OF FINISH

FACE OF ALUMINUM

FACE OF GLAZING

EDGE OF SLAB

DRY STANDPIPE

EAST / ENAMEL

EXISTING GRADE

EXPANSION JOIN

ELEVATOR / ELEVATION

EDGE OF CONCRETE

FACE OF CONCRETE/CURB

CONSTRUCTION

CONCRETE

CLEAR

BENCHMARK

APPROXIMATI

ARCHITECTURA

ACOUSTICAL TILE

POUND OR NUMBER

ASPHALTIC CONCRETE

ADJUSTABLE / ADJACENT

ABOVE FINISH FLOOR

AIR CONDITIONING

PLATE

PLUMB.PLUMBING

PLYWOOD

PUSH-PULL

PRESSED METAL

PREFABRICATED

QUARRY TILE

RETURN AIR

ROOF DRAIN

RECEPTACLE

REFRIGERATOR

REFERENCE

REINFORCED

ROUND HEAD

ROUGH OPENING

ROLLER SHADE

SOUTH / SPANDREL

SERVICE / SERVING

SEMI-GLOSS ENAMEL

SQUARE FOOT

SPECIFICATION

STAINLESS STEEL

SERVICE SINK

REDWOOD

SOLID CORE

SCHEDULE

SECTION

SHFFT

SIMILAR

SLIDING

SQUARE

STATION

STORAGE

STRUCTURAL

SUSPENDED

SKYLIGHT

SYMMETRICAL

TOP OF BEAM

TELEPHONE

TERRAZZO

TEXTURED

TOILET

TOP OF LEDGER

TOP OF PARAPET

TOP OF STEEL

TELEVISION

TYPICAL

TOP OF WALL

UNFINISHED

URINAL

VENEER

VENTILATOR

VESTIBULE

VERTICAL GRAIN

VERIFY ON JOB

WEST / WOMEN

WATER CLOSET

WATER HEATER

WROUGHT IRON

WATER RESISTANT

WATERPROOF

WOOD SCREW

WAINSCOT

WOOD

WITHOUT

WEIGHT

W.W.M. WOVEN WIRE MESH

VENT THRU ROOF

VINYL WALL COVERING

VERTICAL

TRANSFORMER

UNDERWRITER'S LAB

UNLESS NOTED OTHERWISE

VINYL COMPOSTION TILE

TREAD / TEMPERED

TOP OF CURB OR CONCRETE

TEMPERED / TEMPORARY

TONGUE AND GROOVE

STEEL

STANDARD

SHEATHING

ROLLER SHADE MOTORIZED

REQUIRED

RESILIENT

ROOM

REVERSE

RADIUS

RISER / RADIUS

REINFORCED CLAY PIPE

RECESSED / RECIEVING

REGISTER / REGULAR

PLWD.

PREFAB.

R.C.P.

RECPT.

REFR.

REINF.

RESIL.

RWD.

SCHED.

SECT.

SERV.

S.G.E.

STOR.

SUSP.

SKLT.

TEMP.

TERR.

TEXT.

T.O.P.

T.O.S.

T.O.W.

TRNSF.

TYP.

U.L.

UNFIN.

U.N.O.

V.C.T.

VEN.

VENT.

VERT.

VEST.

V.O.J.

V.T.R.

V.W.C.

WSCT.

W.C.

WD.

W.H.

W.R.

W.S.

THRSH.THRESHOLD

STRUCT

(0)—

\(\)1X\>-----

INDICATES

12"/X 36"/ UNIT HEIGHT*

100 - WI DESIGNATION

101 ROOM NUMBER

ELEVATION

NUMBER

SHEET NUMBER

— ELEVATION NUMBER

SHEET NUMBER

DETAIL NUMBER

SHEET NUMBER

SECTION NUMBER

SHEET NUMBER

SECTION NUMBER

SHEET NUMBER

CALLOUT NUMBER

SHEET NUMBER

10' - 0"

CEILING HEIGHT PER

MATERIAL LEGEND

REFLECTED CEILING PLAN

CALLOUT DESIGNATION

CEILING HEIGHT TAG

MODIFICATION

UNIT LENGTH

< 101A)

*HEIGHT INCLUDES COUNTERTOP

ROOM NAME

A601 2

\A1Q1/

(CMU-1)——

GRID HEAD / LINES

REVISION TAG

WALL TYPE TAG

WINDOW TYPE

KEYNOTE TAG

CASEWORK TAG

PROVIDE LOCK.

WHERE OCCURS

COLOR TAG

ROOM TAG

EXTERIOR ELEVATION

INTERIOR ELEVATION

DETAIL REFERENCE

BUILDING SECTION

REFERENCE

DOOR TAG / NUMBER

UNIT DEPTH

CHANGES IN LEVEL ARE NOT PERMITTED EXCEPT AT THRESHOLDS. OPENING IN FLOOR SHALL NOT ALLOW PASSAGE OF SPHERE MORE THAN 1/2" DIAMETER. (11B-302.2) (11B-404.2.4.4) THRESHOLDS AT DOORWAYS:

SHALL COMPLY WITH SECTION 11B-302 AND 11B-303. (11B-404.2.5) **DOOR OPENING FORCE:**

MAXIMUM FORCE TO FOR PUSHING OR PULLING OPEN, EXTERIOR OR INTERIOR HINGED DOORS WITH

CLOSERS AND SLIDING OR FOLDING DOORS, SHALL NOT EXCEED FIVE POUNDS. (118-404,2.9) DOOR AND GATE SURFACE:

THRESHOLDS SHALL BE 1/2" HIGH MAXIMUM. RAISED THRESHOLDS AND CHANGES IN LEVEL AT DOORWAYS

SWINGING DOOR AND GATE SURFACES WITHIN 10 INCHES OF THE FINISH FLOOR SHALL HAVE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR OR GATE. PARTS CREATING HORIZONTAL OR VERTICAL JOINTS IN THESE SURFACES SHALL BE WITHIN 1/16" OF THE SAME PLANE AS THE OTHER. (11B-404.2.6)

NOTE: WALL AND CEILING MATERIAL SHALL NOT EXCEED THE FLAME SPREAD RATING REQUIRED AS PER SEC. 803.5

TENANT SPACES, MAIN ENTRANCES AND EXITS, PATH OF TRAVEL, SANITARY FACILITIES, DRINKING FOUNTAINS AND PUBLIC TELEPHONES SERVING THE TENANT SPACE SHALL BE ACCESSIBLE TO PERSONS WITH DISABILITIES. CITY INSPECTOR SHALL VERIFY AT FIELD FOR COMPLIANCE PRIOR TO FINAL INSPECTION.

ACCESS. LEGEND

- 1 PROVIDE INTERNATIONAL SYMBOL OF ACCESSIBILITY MOUNT 60" A.F.F. TO CENTERLINE OF SIGN.
- PROVIDE TACTILE GRADE-2 CONTRACTED BRAILLE WALL SIGN -REFER TO RESTROOM SIGNAGE DETAIL ON SHEET G2.1 FOR ADDITIONAL INFORMATION.
- PROVIDE ACCESSIBLE RESTROOM DOOR SIGNAGE REFER TO RESTROOM SIGNAGE DETAIL G2.1 FOR ADDITIONAL INFORMATION.
- PROVIDE INTERNATIONAL SYMBOL OF ACCESSIBILITY TO FRONT COUNTER STATING "THIS CHECK STAND TO BE OPEN AT ALL TIMES FOR CUSTOMERS WITH DISABILITIES":
- DIRECTLY MOUNT UNDER COUNTERTOP IN A CONSPICUOUS PLACE
- PROVIDE TACTILE GRADE-2 CALIFORNIA CONTRACTED BRAILLE EXIT SIGN WITH THE WORD "EXIT" AT EACH-LEVEL EXTERIOR EXIT DOOR
- CEILING MOUNTED EXIT LIGHT WITH BATTERY BACKUP / SEE REFLECTED CEILING PLAN FOR EXACT LOCATION.
- 34" H ACCESSIBLE CASHIER COUNTER WITH MIN. 30" x 48" CLEAR FLOOR SPACE FOR
- PARALLEL APPROACH AT FRONT COUNTER.
- 8 PROVIDE FIRE EXTINGUISHER CABINET/SEE EQUIPMENT SCHEDULE FOR DETAILS

EXIT NOTES

1. EACH GRADE-LEVEL EXTERIOR EXIT DOOR SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORD

2. EACH EXIT DOOR THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF A STAIRWAY OR RAMP SHALL BE IDENTIFIED BY A TACTILE SIGN WITH THE FOLLOWING WORDS AS APPROPRIATE: D. "FIT RAMP DOWN"

C."FIT STAIR Up" d."FIT RAMP Up"

3. FACH DOOR THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF AN EXIT ENCLOSURE OR EXIT PASSAGEWAY SHALL BE IDENTIFIED BY A EXIT SIGN WITH THE WORDS "EXIT ROUTE".

4. EACH EXIT ACCESS DOOR FROM AN INTERIOR ROOM OR AREA THAT IS REQUIRED TO HAVE A VISUAL EXIT SIGN, SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS "TO EXIT".

6. EXIT SIGNS SHALL BE VISIBLE FROM ANY DIRECTION OF APPROACH AND EXIT SIGNS SHALL BE LOCATED TO CLEARLY

5. EACH EXIT DOOR THROUGH A HORIZONTAL EXIT SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS "TO EXIT"

THE DIRECTION OF EGRESS TRAVEL AND SUCH THAT NO POINT SHALL BE MORE THAN 100 FEET FROM THE NEAREST VISIBLE

EQUIPMENT, OR AN ON SITE GENERATOR SET OR AN APPROVED SELF LUMINOUS SYSTEM THAT PROVDES CONTINUOUS ILLUMINATION INDEPENDENT OF THE EXTERNAL POWER SOURCE TO ENSURE THAT THE EXIT SIGNS ARE ILLUMINATED AT ALL TIME. MINIMUM 90 MIN BATTERY BACKUP REQUIRED CBC 1011.5.3

EXIT SIGNS SHALL BE CONNECTED TO AN EMERGENCY ELECTRICAL POWER SYSTEM (STORAGE BATTERIES, UNIT

3. THE POWER SUPPLY FOR MEANS OF EGRESS ILLUMINATION SHALL NORMALLY BE PROVIDED BY THE PREMISES' IN THE EVENT OF POWER SUPPLY FAILURE, AN EMERGENCY ELECTRICAL SYSTEM SHALL AUTOMATICALLY ILLUMINATE THE EGRESS SYSTEM. **TACTILE SIGN NOTES**

FIRE LIFE SAFETY SYSTEM:

a. ANY MODIFICATIONS TO THE FIRE LIFE SAFETY SYSTEM

SHALL BE SUBMITTED TO THE FIRE DEPT. FOR APPROVAL PRIOR TO

b. PROVIDE 2-A10BC FIRE EXTINGUISHER EVERY 75 FEET OF TRAVEL.

GENERAL REQUIRTMENTS

1. THE CONSTRUCTION SHALL NOT RESTRICT A FIVE-FOOT CLEAR AND UNOBSTRUCTED ACCESS TO ANY WATER OR POWER DISTRIBUTION FACILITIES (POWER POLES, PULL BOXES, TRANSFORMERS, VAULTS, PUMPS, VALVES, METERS APPURTENANCES, ETC.) OR TO THE LOCATION OF THE HOOK-UP. THE CONSTRUCTION SHALL NOT BE WITHIN TEN FEET OF ANY POWER LINES-WHETHER OR NOT THE LINES ARE LOCATED ON THE PROPERTY. FAILURE TO COMPLY MAY CAUSE CONSTRUCTION DELAYS AND/OR ADDITIONAL EXPENSES.

2. AN APPROVED SEISMIC GAS SHUTOFF VALVE WILL BE INSTALLED ON THE FUEL GAS LINE ON THE DOWNSTREAM SIDE OF THE UTILITY METER AND BE RIGIDLY CONNECTED TO THE EXTERIOR OF THE BUILDING OR STRUCTURE CONTAINING THE FULE GAS PIPING. (INCLUDES COMMERCIAL ADDITIONS AND T.I. WORK OVER \$10,000).SEE PLUMBING SHEETS.

2. A COPY OF THE EVALUATION REPORT AND/OR CONDITIONS OF LISTING SHALL BE MADE AVAILABLE AT THE JOB SITE.

DISABLED ACCESS REQUIREMENTS (DOORS, GATES & HARDWARE):

- 1. EVERY REQUIRED ENTRANCE OR PASSAGE DOORWAY SHALL BE OF A SIZE AS TO PERMIT THE INSTALLATION OF A DOOR NOT LESS THAN 3'-0" IN WIDTH AND NOT LESS THAN 6'-8" IN HEIGHT. DOORS SHALL BE CAPABLE OF OPENING AT LEAST 90 DEGREES AND SHALL BE SO MOUNTED THAT THE CLEAR WIDTH OF THE DOORWAY IS NOT LESS THAN 32".
- 2. WHERE A PAIR OF DOORS IS UTILIZED, AT LEAST ONE OF THE DOORS SHALL PROVIDE A CLEAR UNOBSTRUCTED OPENING WIDTH OF 32" WITH THE LEAF POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION.
- 3. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL, SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE
- 4. THE MINIMUM HEIGHT TO DOOR HARDWARE IS 34" A.F.F.
- 5. THE FLOOR OR LANDING ON EACH SIDE OF AN ENTRANCE OR PASSAGE DOOR SHALL BE LEVEL AND CLEAR. THE LEVEL AND CLEAR AREA SHALL HAVE A LENGTH IN THE DIRECTION OF DOOR SWING OF AT LEAST 60" AND THE LENGTH OPPOSITE THE DIRECTION OF DOOR SWING OF 48" AS MEASURED AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN ITS CLOSED POSITION.
- 6. THE WIDTH OF THE LEVEL AND CLEAR AREA ON THE PULL SIDE OF THE DOOR SHALL EXTEND 24" PAST THE STRIKE EDGE OF THE DOOR FOR EXTERIOR DOORS AND 18" PAST THE STRIKE EDGE FOR INTERIOR DOORS. WHERE THE PLANE OF THE DOORWAY IS OFFSET OR LOCATED IN AN ALCOVE A DISTANCE MORE THAN 8 INCHES MEASURED FROM THE PLANE OF THE DOORWAY TO THE FACE OF THE WALL, THE DOOR SHALL BE PROVIDED WITH 60 INCHES MANEUVERING CLEARANCE FOR FRONT APPROACH.

SIDE OF A DOOR. THE LEVEL AREA SHALL HAVE A LENGTH IN THE DIRECTION OF DOOR SWING OF AT LEAST 60 INCHES AND THE LENGTH OPPOSITE THE DIRECTION OF DOOR SWING OF 48 INCHES AS MEASURED AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN THE CLOSED POSITION.

- 8. THE BOTTOM 10" OF ALL DOORS EXCEPT AUTOMATIC AND SLIDING SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHERE NARROW FRAME DOORS ARE USED, A 10" HIGH SMOOTH PANEL SHALL BE INSTALLED ON THE PUSH SIDE OF THE DOOR, WHICH WILL ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION.
- 9. A NARROW FRAME WITH A BEVELED TOP EDGE (30 DEGREES MAXIMUM BEVEL TO VERTICAL PLANE) INSTALLED AT THE BOTTOM OF A GLASS DOOR (WITH NO SIDE FRAMES) MAY BE USED IN LIEU OF PROVIDING THE REQUIRED 10" UNINTERRUPTED SURFACE AT THE BOTTOM OF THE DOOR. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 POUNDS FOR EXTERIOR DOORS AND 5 POUNDS FOR INTERIOR DOORS SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY NOT TO EXCEED 15 POUNDS.
- 10. WHEN SANITARY FACILITIES ARE LOCATED ON ACCESSIBLE FLOORS OF A BUILDING, THEY SHALL BE MADE ACCESSIBLE TO THE PHYSICALLY DISABLED.
- 11. UNISEX SANITARY FACILITIES SHALL BE IDENTIFIED BY A CIRCLE 1/4" THICK, 12" IN DIAMETER WITH 1/4" THICK TRIANGLE SUPERIMPOSED ON THE CIRCLE AND WITHIN THE 12" DIAMETER, SEE DETAIL 3/A6
- 12. THERE SHALL BE SUFFICIENT SPACE IN THE TOILET ROOM FOR A WHEELCHAIR MEASURING 30" WIDE BY 48" LONG TO ENTER THE ROOM AND PERMIT THE DOOR TO CLOSE.
- 13.THE WATER CLOSET SHALL BE LOCATED IN A SPACE WHICH PROVIDES A 28" CLEAR SPACE FROM A FIXTURE OR A 32" WIDE CLEAR SPACE FROM A WALL AT ONE SIDE AND 48" OF CLEAR SPACE IN FRONT OF THE WATER CLOSET

13a. PROVIDE ONE ACCESSIBLE WATER CLOSET WITH A MINIMUM MANEUVERING SPACE OF 60 INCHES WIDE X 48 INCHES IN DEPTH IN FRONT OF THE WATER CLOSET.

14.THE DISTANCE BETWEEN THE CENTER LINE OF A WATER CLOSET AND AN ADJOINING WALL SHALL BE 15-1/2" MINIMUM, 19" MAXIMUM



Design | Engineering | Construction

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1130 N KRAEMER BLVD #I ANAHEIM, CA 92806 LIC#1073807

PROJECT NAME LOCATION

2

AUTHORITY HAVING JURISDICTION (AHJ) **BUILDING DEPARTMENT | CITY OF CORONA**

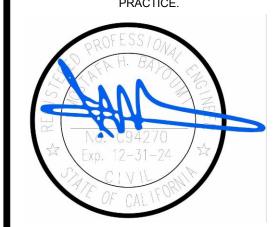
REVISION SCHEDULE REVISION REVISION REVISION

SEQUENCE DESCRIPTION DATE

ENGINEER OF RECORD

REVIEWED BY SEAL / STAMP

THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER IS THE LEGAL REPRESENTATION THAT THIS ENGINEERING DRAWINGS, PLANS, AND SPECIFICATIONS WERE PREPARED EITHER BY THE PROFESSIONAL ENGINEER OR ANY OF ACC ENGINEERING FIRM DESIGNERS WHO WERE UNDER THE RESPONSIBLE CHARGE (DIRECT CONTROL AND PERSONAL SUPERVISION) OF THE PROFESSIONAL ENGINEER. IT FURTHER CERTIFIES THAT THE WORK PERFORMED WA DONE COMPETENTLY, MEETS THE PROFESSIONAL STANDARD OF CARE, AND IS ACCORDANCE WITH ACCEPTED STANDARDS O



SHEET NAME SYMBOLS, ABBREVATION & NOTES

SHEET NUMBER

G-001

NOTES: 1. CENTER OF SIGNS SHALL BE MOUNTED AT 5'-0" ABOVE FINISHED FLOOR AT THE CENTERLINE OF THE DOOR.

2. ALL SIGNS SHALL BE CONSTRUCTED OF 1/4" THICK SOLID PLASTIC (AS REQ'D BY CODE). UNISEX SIGN SHALL CONSIST OF A 1/4" THICK PLASTIC TRIANGLE MOUNTED ON A 1/4" THICK PLASTIC CIRCLE (AS RE'QD BY CODE). 3. ALL GENDER SIGNS ARE REQ'D BY CBC 11B-216.8 AND MUST COMPLY WITH CBC 11B-703.7.2.6.3.

1 ALL GENDER ACCESSIBILITY SIGNAGE

1. REFER TO FLOOR PLANS FOR ADDITIONAL DIMENSIONS AND INFORMATION.

E. MAXIMUM PRESSURE TO OPERATE TOILET VALVE SHALL BE FIVE POUNDS.

ROLL PAPER

HOLDER WITHOUT STOP

TOILET FACILITIES

BLOCKING SHALL BE INSTALLED AT TIME OF INITIAL CONSTRUCTION.

MIN

T-SHAPED SPACE FOR 180 TURNS

GRAB BARS SHALL NOT ROTATE WITHIN THE FITTINGS.

GRAB BARS SHALL BE PROVIDED AT COMMON/PUBLIC ACCESSIBLE TOILETS.

PROVIDE PRIVACY DOOR LOCK WHEN ITS A PRIVATE TOILET OR FOR UNISEX USE

4. GRAB BARS SHALL HAVE 250 LB. CAPACITY.

SEAT COVER DISPENSER

∠36" LONG GRAB BAR

42" LONG GRAB BAR

SIDE ELEVATION

WALL MOUNTED

DEVICES, OR SUPPORTING

60"MIN

60" DIAMETER SPACE

2. FLUSH VALVE MUST BE MOUNTED ON THE WIDE SIDE OF THE TOILET COMPARTMENT.

HARD NON-ABSORBENT

FINISH WALL MATERIAL

42" MIN

FRONT ELEVATION

GRAB BARS SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS. EDGES SHALL BE ROUNDED.

N.T.S

ALL GRAB BARS AND BLOCKING SHALL COMPLY WITH ALL APPLICABLE ACCESSIBILITY CODES, STANDARDS, AND LAWS.

STRUCTURAL STRENGTH OF MATERIALS, FASTENERS, MOUNTING DEVICES, AND SUPPORTING STRUCTURES SHALL

ACCESSIBLE RESTROOMS

RESIST A SINGLE FORCE OF 250 POUNDS APPLIED IN ANY DIRECTION AT ANY POINT ON THE GRAB BAR, FASTENR, MOUNTING

ACCESSIBILITY SIGNAGE: ANSI APPROVED E.S. PLASTIC, NEMA RATED SELF-EXTINGUISHING ADHESIVE MOUNTED.

BLUE COLOR NO. EQUAL TO 15090 IN FEDERAL STANDARD 595B

LINE OF FIRST OBSTRUCTION

BELOW AT 27" A.F.F.

LOCATION FOR TACTILE SIGNS ACCESSIBLE ENTRANCE SIGNAGE



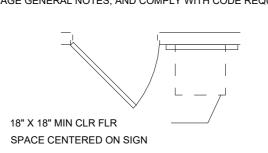
1. ALL TEXT TO BE ARIAL IN FONT.

2. PROVIDE SIGNS IN CONTRASTING COLORS.

NOTE:

3. SEE PLAN FOR SIGNAGE LOCATION.

4. QUANTITY: PROVIDE SIGN AS NOTED ON PLAN INCLUDING THE 'EXIT' SIGN. 5. SIGNAGE PROVIDED FOR GUIDANCE ONLY. SIGNAGE COMPANY TO FOLLOW SIGNAGE GENERAL NOTES, AND COMPLY WITH CODE REQUIREMENTS.



HOT WATER DRAIN PIPES

TO BE INSULATED AND/OR

PROTECTED FROM TOUCH.

FAUCET CONTROLS SHALL BE LEVER TYPE WITH MAXIMUM

SELF CLOSING VALVES SHALL

REMAIN OPEN A MINIMUM OF

N.T.S

 REFER TO FLOOR PLANS FOR ADDITIONAL DIMENSIONS AND

10 SECONDS.

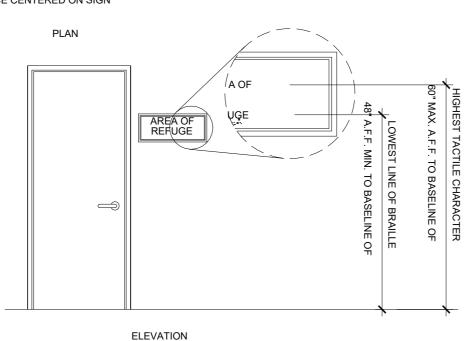
PLAN

+ + +

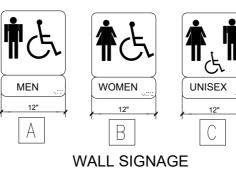
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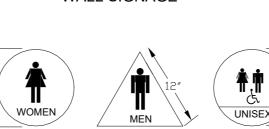
8" MIN.

OPERATING FORCE OF 5



18"x18" WALL MOUNTED SIGN DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY.





DOOR MOUNTED SIGNAGE NOTE: PICTOGRAMS AND/OR LETTERING ARE NOT REQUIRED ON DOOR-MOUNTED SIGNAGE

SIGNAGE DETAILS

INTERNATIONAL SIGN OF ACCESSIBILITY TABLE 11B-703.5.5 VISUAL CHARACTER HEIGHT

HEIGHT TO FINISH FLOOR OR GROUND FROM BASELINE OF CHARACTER	HORIZONTAL VIEWING DISTANCE	MINIMUM CHARACTER HEIGHT	
40 INCHES (1016mm) TO LESS	LESS THAN 72 INCHES (1829 mm)	+INCHES (15.9mm)	
THAN OR EQUAL TO 70 INCHES (1778mm)	72 INCHES (1829mm) AND GREATER	+INCHES (15.9mm), PLUS +(3.2 mm) PER FOOT (305mm) OF VIEWING DISTANCE ABOVE 72 INCHES (1629mm)	
GREATER THAN 70 INCHES (1778mm)	LESS THAN 180 INCHES (4572 mm)	2 INCHES (51 mm)	
TO LESS THAN OR EQUAL TO 120 INCHES (3048 mm)	180 INCHES (4572mm) AND GREATER	+INCHES (15.9mm), PLUS +(3.2 mm) PER FOOT (305mm) OF VIEWING DISTANCE ABOVE 180 INCHES (4572mm)	
	LESS THAN 21 FEET (6401 mm)	3 INCHES (76mm)	
GREATER THAN 120 INCHES (3048mm)	21 FEET (6401 mm) AND GREATER	+INCHES (15.9mm), PLUS +(3.2 mm) PER FOOT (305mm) OF VIEWING DISTANCE ABOVE 180 INCHES (4572mm)	

TABLE 11B-703.3.1 BRAILLE DIMENSIONS

MEASUREMENT RANGE	MINIMUM INCHES MAXIMUM INCHES
DOT BASE DIMETER	0.059(1.5mm) TO 0.063 (1.6mm)
DISTANCE BETWEEN TOW DOTS IN SAME SELL	0.100 (2.5MM)
DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELL	0.300 (7.6MM)
DOT HEIGHT	0.025(0.6mm) TO 0.037 (0.9mm)
DISTANCE BETWEEN CORRESPONDING DOTS FROM ONE CELL DIRECTLY BELOW	0.395(10mm) TO 0.400 (10.2mm)
MEASURED CENTER TO CENTER (FIGURE 11B-703.1 BRAILLE	1

MAXIMUM SIDE REACH OVER AN OBSTRUCTION

HIGH AND LOW

SIDE REACH LIMITS

REACH RANGES

ALL INTERIOR CONSTRUCTION WITHIN THE SCOPE OF THIS PROJECT IS REQUIRED TO BE ACCESSIBLE AS SET FORTH IN THE ADA STANDARDS FOR ACCESSIBLE DESIGN. SECTIONS INDICATED ON THIS SHEET

REFERENCE THE AFOREMENTIONED DOCUMENT. REFER TO SHEET G-001 FOR ALL ACCESSIBLE NOTES.

CLEAR FLOOR SPACE

PARALLEL APPROACH

Figure 307.2 Limits of Protruding Objects

SHEET NOTE

MEASUREMENT

1. CBC 2022 (11B-703.7.2.1): THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL COMPLY WITH FIGURE 11B-703.7.2.1. THE SYMBOL SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE BLUE SHALL BE COLOR NO. 15090 N FEDERAL STANDARD 595B.

2. CBC 2022 (11B-703.7.1): SYMBOLS OF ACCESSIBILITY AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. SYMBOLS OF ACCESSIBILITY SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER A LIGHT SYMBOL ON A DARK BACKGROUND OR A DARK SYMBOL ON A LIGHT BACKGROUND.

3. CBC 2022 (11B-703.5.4): CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60 PERCENT MINIMUM AND 110

PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "J". CBC 2016 (11B-703.5.6) VISUAL CHARACTERS SHALL BE 40 INCHES MINIMUM ABOVE FINISH FLOOR OR GROUND.

4. CBC 2022 (11B-216.6): IN EXISTING BUILDINGS AND FACILITIES WHERE NOT ALL ENTRANCES COMPLY WITH SECTION 11B-404, ENTRANCES COMPLYING WITH SECTION 11B-404 SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA) COMPLYING WITH SECTION 11B-703.7.2.1. GC TO REFER TO CBC 11B-703 FOR FURTHER INFORMATION.

EQUAL RESTROOM ACCESS ACT. ASSEMBLY BILL 1732 (HEALTH AND SAFETY CODE §118600), ALL SINGLE USER RESTROOM IN ANY BUSINESS ESTABLISHMENT , PLACE OF PUBLIC ACCOMMODATION, OR STATE OR LOCAL GOVERNMENT AGENCY MUST BE IDENTIFIED AS "ALL-GENDER" TOILET FACILITY

1. GEOMETRIC SIGNAGE : A SIGN WITH THE IDENTIFIES THE RESTROOM UNISEX, WHICH IS A TRIANGLE SUPERIMPOSED ON TOP OF A CIRCLE (GENDER NEUTRAL)

2. DESIGNATION SIGNAGE: A WALL MOUNTED SIGN THAT IDENTIFIES A PERMANENT ROOM OR SPACE TO BE PROVIDED FOR A TOILET FACILITY THE SIGN MUST BE TACTILE (CAN BE READ BY TOUCH) AND INDICATE THAT THE FACILITY IS A UNISEX RESTROOM.

INSTALLATION NOTE: 1.ATTACH SIGN USING FOUR (4) FLATHEAD COUNTERSUNK SCREWS & ADHESIVE.

| HIGH FORWARD REACH LIMIT

2. WHEN X < 20 INCHES, THEN Y SHALL BE 48 INCHES MAXIMUM.

| B | MAXIMUM FORWARD REACH OVER AN OBSTRUCTION

X > 12

N.T.S

3. WHEN X IS 20 TO 25 INCHES, THEN Y SHALL BE 44 INCHES MAXIMUM.

X > 12

T.I PROPOSED BUSINESS OWNERS

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ACC & ENGINEERING

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AMERICAN CONSTRUCTION **COMPANY** 1130 N KRAEMER BLVD #I ANAHEIM, CA 92806 LIC#1073807

PROJECT NAME LOCATION

2

AUTHORITY HAVING JURISDICTION (AHJ) **BUILDING DEPARTMENT | CITY OF CORONA**

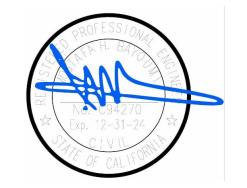
REVISION SCHEDULE REVISION REVISION REVISION

SEQUENCE DESCRIPTION DATE

ENGINEER OF RECORD REVIEWED BY SEAL / STAMP

THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER IS THE LEGAL REPRESENTATION THAT THIS ENGINEERING DRAWINGS, PLANS, AND SPECIFICATIONS WERE PREPARED EITHER BY THE UNDER THE RESPONSIBLE CHARGE (DIREC' THE PROFESSIONAL ENGINEER. IT FURTHER

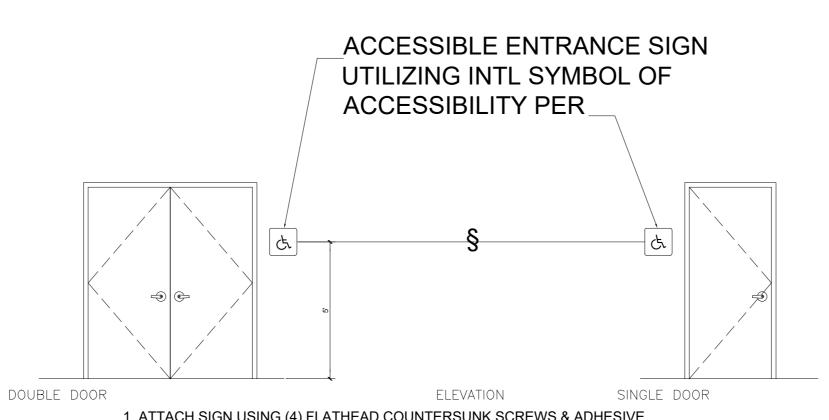
PROFESSIONAL ENGINEER OR ANY OF ACC ENGINEERING FIRM DESIGNERS WHO WERE CONTROL AND PERSONAL SUPERVISION) OF CERTIFIES THAT THE WORK PERFORMED WAS DONE COMPETENTLY, MEETS THE PROFESSIONAL STANDARD OF CARE, AND IS I ACCORDANCE WITH ACCEPTED STANDARDS OF



SHEET NAME ADA ACCESSIBILITY DETAILS

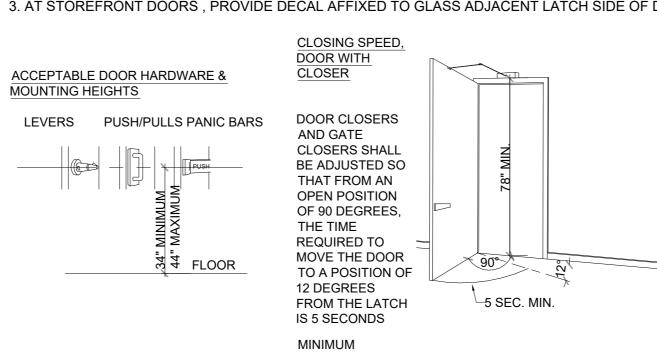
> SHEET NUMBER G-002

PATH OF TRAVEL 8

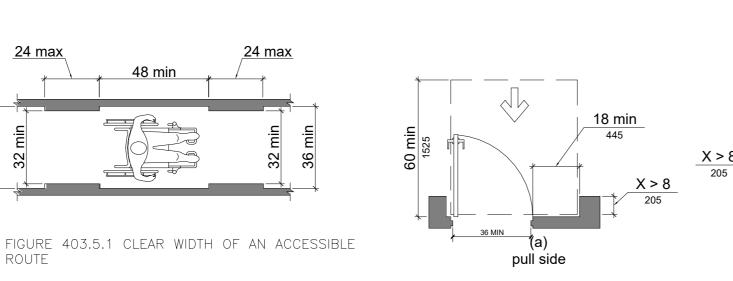


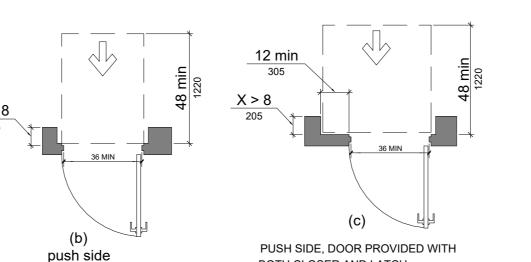
1. ATTACH SIGN USING (4) FLATHEAD COUNTERSUNK SCREWS & ADHESIVE

2. ALL SIGN SHALL BE CONSTRUCTED OF THK. SOLID PLASTIC. 3. AT STOREFRONT DOORS, PROVIDE DECAL AFFIXED TO GLASS ADJACENT LATCH SIDE OF DOOR.



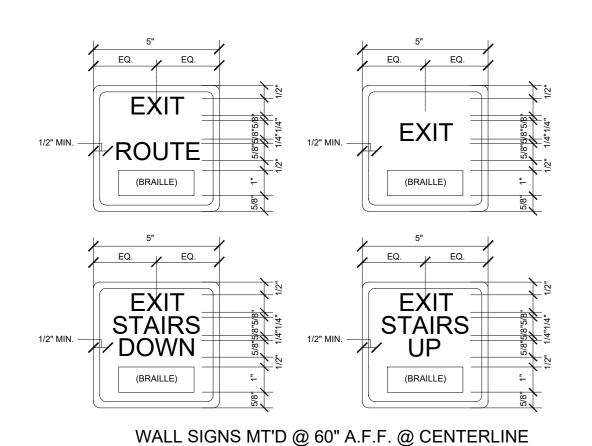
DOORS





N.T.S

BOTH CLOSER AND LATCH



TACTILE EGRESS SIGNANGE N.T.S

PROTRUDING OBJECTS MAY NOT

CLEAR

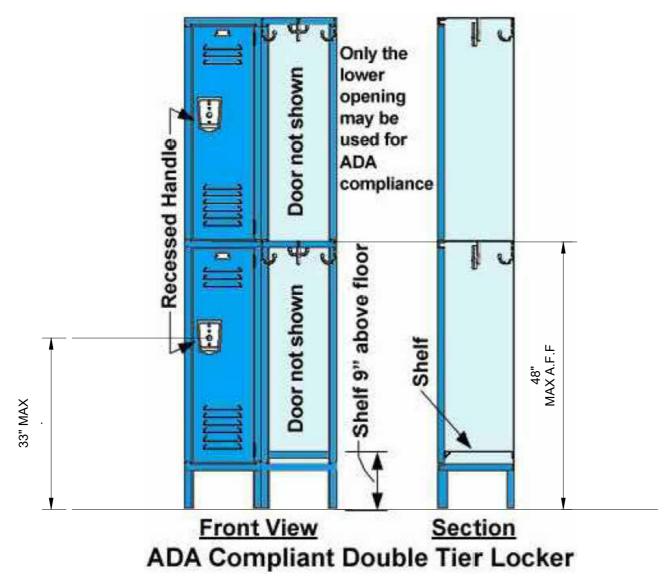
WIDTH

REDUCE THE REQUIRED CLEAR WIDTH OF AN ACCESSIBLE ROUTE OR MANEUVERING SPACE. ANY AMOUNT

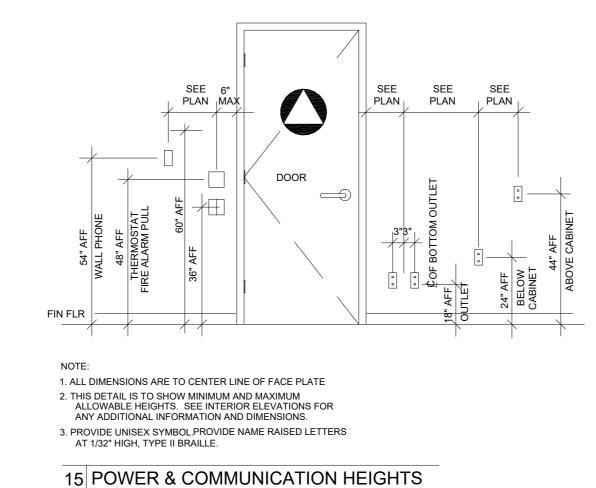
14 ACCESSIBLE ROUTE CLEARANCE

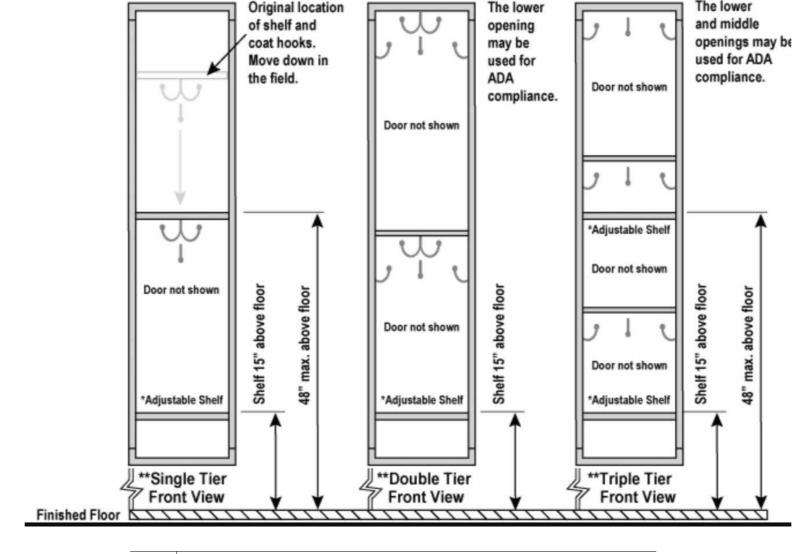
CLEAR

WIDTH

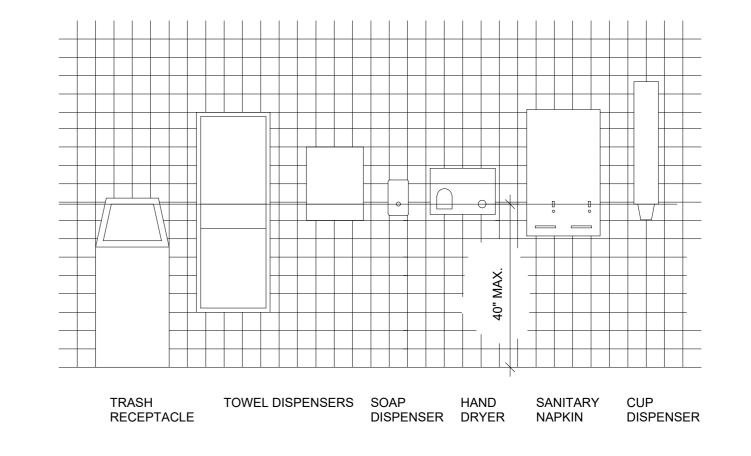


EMPLOYEE LOCKER N.T.S





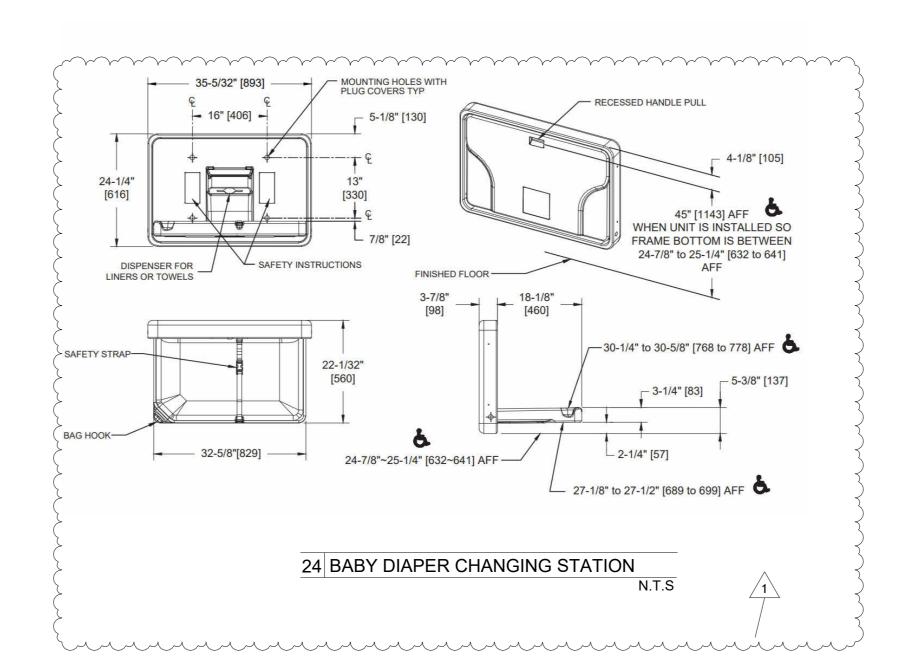
EMPLOYEE ACCESSIBLE LOCKER



THIS DETAIL IS TO SHOW MAXIMUM ALLOWABLE HEIGHTS FOR ALL OPERABLE CONTROLS OF THE ACCESSORY TO BE INSTALLED. SEE INTERIOR ELEVATIONS FOR ANY ADDITIONAL INFORMATION AND DIMENSIONS.

16 RESTROOM ACCESS HEIGHTS

N.T.S



N.T.S



Design | Engineering | Construction

Ben Hamed, AM.ASCE,AIA DESIGNER ENGINEER ACC & ENGINEERING 1130 N KRAEMER BLVD #I ANAHEIM, CA 92806 714-844-2140 Ben@accandengineering.com www.accandengineering.com

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T.I PROPOSED BUSINESS OWNERS



CONTRACTOR CONTRACTOR TO PULL PERMIT AFTER APPROVAL OF PLANS AMERICAN CONSTRUCTION COMPANY 1130 N KRAEMER BLVD #I ANAHEIM, CA 92806 LIC#1073807

PROJECT NAME LOCATION OWNER

AUTHORITY HAVING JURISDICTION (AHJ) BUILDING DEPARTMENT | CITY OF CORONA

2

REVISION SCHEDULE REVISION REVISION REVISION

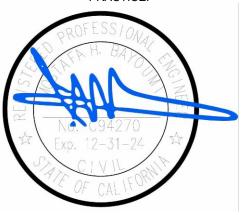
SEQUENCE DESCRIPTION DATE

Revision 1 04-19-2024

ENGINEER OF RECORD

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SHEET NAME ADA ACCESSIBILITY DETAILS

SHEET NUMBER

G-002.1

California 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

NONRESIDENTIAL MANDATORY MEASURES, SHEET 1 (January 2023)

CHAPTER 3 GREEN BUILDING SECTION 301 GENERAL 301.1 SCOPE. Buildings shall be designed to include the green building measures specified as mandatory in the application checklists contained in this code. Voluntary green building measures are also included in the application checklists and may be included in the design and construction of structures covered by this code, but are not required unless adopted by a city, county, or city and county as specified in Section 101.7. 301.3 NONRESIDENTIAL ADDITIONS AND ALTERATIONS. [BSC-CG] The provisions of individual sections of Chapter 5 apply to newly constructed buildings, building additions of 1,000 square feet or greater, and/or building alterations with a permit valuation of \$200,000 or above (for occupancies withir the authority of California Building Standards Commission). Code sections relevant to additions and alterations shall only apply to the portions of the building being added or altered within the scope of the permitted work. A code section will be designated by a banner to indicate where the code section only applies to newly constructed buildings [N] or to additions and/or alterations [A]. When the code section applies to both, no www.waterboards.ca.gov/constructionstormwater. Consideration to the stormwater runoff management measures 301.3.1 Nonresidential additions and alterations that cause updates to plumbing fixtures only: Note: On and after January 1, 2014, certain commercial real property, as defined in Civil Code Section 1101.3, shall have its noncompliant plumbing fixtures replaced with appropriate water-conserving plumbing fixtures under specific circumstances. See Civil Code Section 1101.1 et sea, for definitions. types of commercial real property affected, effective dates, circumstances necessitating replacement of noncompliant plumbing fixtures, and duties and responsibilities for ensuring compliance. 301.3.2 Waste Diversion. The requirements of Section 5.408 shall be required for additions and alterations whenever a permit is required for work. 301.4 PUBLIC SCHOOLS AND COMMUNITY COLLEGES. (see GBSC) 301.5 HEALTH FACILITIES. (see GBSC) **SECTION 302 MIXED OCCUPANCY BUILDINGS** 302.1 MIXED OCCUPANCY BUILDINGS. In mixed occupancy buildings, each portion of a building shall comply with the specific green building measures applicable to each specific occupancy. SECTION 303 PHASED PROJECTS 303.1 PHASED PROJECTS. For shell buildings and others constructed for future tenant improvements, only those code measures relevant to the building components and systems considered to be new construction (or newly constructed) shall apply. **303.1.1 Initial Tenant improvements.** The provisions of this code shall apply only to the initial tenant improvements to a project. Subsequent tenant improvements shall comply with the scoping provisions in Section 301.3 non-residential additions and alterations. ABBREVIATION DEFINITIONS: Department of Housing and Community Development California Building Standards Commission Division of the State Architect, Structural Safety OSHPD Office of Statewide Health Planning and Development Low Rise High Rise Additions and Alterations NONRESIDENTIAL MANDATORY MEASURES DIVISION 5.1 PLANNING AND DESIGN SECTION 5.101 GENERAL 5.101.1 SCOPE The provisions of this chapter outline planning, design and development methods that include environmentally responsible site selection, building design, building siting and development to protect, restore and enhance the environmental quality of the site and respect the integrity of adjacent properties. **SECTION 5.102 DEFINITIONS** 5.102.1 DEFINITIONS The following terms are defined in Chapter 2 (and are included here for reference) CUTOFF LUMINAIRES. Luminaires whose light distribution is such that the candela per 1000 lamp lumens does not numerically exceed 25 (2.5 percent) at an angle of 90 degrees above nadir, and 100 (10 percent) at a vertical angle of 80 degrees above nadir. This applies to all lateral angles around the luminaire. LOW-EMITTING AND FUEL EFFICIENT VEHICLES. Eligible vehicles are limited to the following: 1. Zero emission vehicle (ZEV), enhanced advanced technology PZEV (enhanced AT ZEV) or transitional zero emission vehicles (TZEV) regulated under CCR, Title 13, Section 1962. 2. High-efficiency vehicles, regulated by U.S. EPA, bearing a fuel economy and greenhouse gas rating od 9 oe 10 as regulated under 40 CFR Section 600 Subpart D. NEIGHBORHOOD ELECTRIC VEHICLE (NEV). A motor vehicle that meets the definition of "low-speed vehicle" either in Section 385.5 of the Vehicle Code or in 49CFR571.500 (as it existed on July 1, 2000), and is certified to zero-emission vehicle standards. TENANT-OCCUPANTS. Building occupants who inhabit a building during its normal hours of operation as permanent occupants, such as employees, as distinguished from customers and other transient visitors. VANPOOL VEHICLE. Eligible vehicles are limited to any motor vehicle, other than a motortruck or truck tractor, designed for carrying more than 10 but not more than 15 persons including the driver, which is maintained and used primarily for the nonprofit work-related transportation of adults for the purpose of ridesharing. Note: Source: Vehicle Code, Division 1, Section 668 **ZEV.** Any vehicle certified to zero-emission standards. SECTION 5.106 SITE DEVELOPMENT 5.106.1 STORM WATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB LESS THAN ONE ACRE OF LAND. Newly constructed projects and additions which disturb less than one acre of land, and are not part of a

larger common plan of development or sale, shall prevent the pollution of storm water runoff from the construction

5.106.1.1 Local ordinance. Comply with a lawfully enacted storm water management and/or erosion control

5.106.1.2 Best Management Practices (BMPs). Prevent the loss of soil through wind or water erosion by

1. Soil loss BMPs that should be considered for implementation as appropriate for each project include

b. Preservation of natural features, vegetation, soil, and buffers around surface waters.

Good housekeeping BMPs to manage construction equipment, materials, non-stormwater discharges and wastes that should be considered for implementation as appropriate for each project include, but

implementing an effective combination of erosion and sediment control and good housekeeping BMPs.

a. Scheduling construction activity during dry weather, when possible.

Protection of storm drain inlets (gravel bags or catch basin inserts). Perimeter sediment control (perimeter silt fence, fiber rolls).

c. Drainage swales or lined ditches to control stormwater flow.

Sediment trap or sediment basin to retain sediment on site.

d. Management of washout areas (concrete, paints, stucco, etc.).

h. Other housekeeping BMPs acceptable to the enforcing agency.

e. Control of vehicle/equipment fueling to contractor's staging area.

k. Other soil loss BMPs acceptable to the enforcing agency.

d. Mulching or hydroseeding to stabilize disturbed soils.

activities through one or more of the following measures:

but are not limited to, the following:

Erosion control to protect slopes.

Stabilized construction exits. Wind erosion control.

Spill prevention and control.

b. Material handling and waste management.

Building materials stockpile management.

f. Vehicle and equipment cleaning performed off site.

are not limited to, the following:

Dewatering activities.

5.106.2 STORMWATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB ONE OR MORE ACRES OF LAND. Comply with all lawfully enacted stormwater discharge regulations for projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of a larger common plan of development sale. Note: Projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of the larger common plan of development or sale must comply with the post-construction requirements detailed in the applicable National Pollutant Discharge Elimination System (NPDES) General permit for Stormwater Discharges

Associated with Construction and Land Disturbance Activities issued by the State Water Resources Control Board or he Lahontan Regional Water Quality Control Board (for projects in the Lake Tahoe Hydrologic Unit). he NPDES permits require postconstruction runoff (post-project hydrology) to match the preconstruction runoff pre-project hydrology) with the installation of postconstruction stormwater management measures. The NPDES ermits emphasize runoff reduction through on-site stormwater use, interception, evapotranspiration, and infiltration

nrough nonstructural controls, such as Low Impact Development (LID) practices, and conversation design measures Stormwater volume that cannot be addressed using nonstructural practices is required to be captured in structural ractices and be approved by the enforcing agency. Refer to the current applicable permits on the State Water Resources Control Board website at:

should be given during the initial design process for appropriate integration into site development. 5.106.4 BICYCLE PARKING. For buildings within the authority of California Building Standards Commission as specified in Section 103, comply with Section 5.106.4.1. For buildings within the authority of the Division of the State

Architect pursuant to Section 105, comply with Section 5.106.4.2 **5.106.4.1 Bicycle parking. [BSC-CG]** Comply with Sections 5.106.4.1.1 and 5.106.4.1.2; or meet the

> 5.106.4.1.1 Short-term bicycle parking. If the new project or an addition or alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5% of new visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack.

Exception: Additions or alterations which add nine or less visitor vehicular parking spaces. **5.106.4.1.2 Long-term bicycle parking.** For new buildings with tenant spaces that have 10 or more tenant-occupants, provide secure bicycle parking for 5 percent of the tenant-occupant vehicular parking

spaces with a minimum of one bicycle parking facility. 5.106.4.1.3 For additions or alterations that add 10 or more tenant-occupant vehicular parking spaces, provide secure bicycle parking for 5 percent of the tenant vehicular parking spaces being added, with a

minimum of one bicycle parking facility. 5.106.4.1.4 For new shell buildings in phased projects provide secure bicycle parking for 5 percent of the

anticipated tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility. 5.106.4.1.5 Acceptable bicycle parking facility for Sections 5.106.4.1.2, 5.106.4.1.3, and 5.106.4.1.4 shall

be convenient from the street and shall meet one of the following: 1. Covered, lockable enclosures with permanently anchored racks for bicycles;

Lockable bicycle rooms with permanently anchored racks; or 3. Lockable, permanently anchored bicycle lockers.

Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicvcle Advocates.

5.106.4.2 Bicycle parking. [DSA-SS] For public schools and community colleges, comply with Sections 5.106.4.2.1 and 5.106.4.2.2

5.106.4.2.1 Student bicycle parking. Provide permanently anchored bicycle racks conveniently accessed with a minimum of four two-bike capacity racks per new building. 5.106.4.2.2 Staff bicycle parking. Provide permanent, secure bicycle parking conveniently accessed with a minimum of two staff bicycle parking spaces per new building. Acceptable bicycle parking facilities shall be convenient from the street or staff parking area and shall meet one of the following:

Covered, lockable enclosures with permanently anchored racks for bicycles

2. Lockable bicycle rooms with permanently anchored racks; or 3. Lockable, permanently anchored bicycle lockers.

5.106.5.3 Electric vehicle (EV) charging. [N] Construction to provide electric vehicle infrastructure and facilitate electric vehicle charging shall comply with Section 5.106.5.3.1 and shall be provided in accordance with regulations in the California Building Code and the California Electrical Code.

> 1. On a case-by-case basis where the local enforcing agency has determined compliance with this section is not feasible based upon one of the following conditions:

a. Where there is no local utility power supply b. Where the local utility is unable to supply adequate power.

c. Where there is evidence suitable to the local enforcement agency substantiating the local utility infrastructure design requirements, directly related to the implementation of

Section 5.106.5.3, may adversely impact the construction cost of the project. 2. Parking spaces accessible only by automated mechanical car parking systems are not required to comply with this code section

5.106.5.3.1 EV capable spaces.

TABLE 5.106.5.3.1

[N] EV capable spaces shall be provided in accordance with Table 5.106.5.3.1 and the following

1. Raceways complying with the California Electrical Code and no less that 1-inch (25 mm) diameter shall be provided and shall originate at a service panel or a subpanel(s) serving the area, and shall terminate in close proximity to the proposed location of the EV capable and into a suitable listed cabinet, box, enclosure or equivalent. A common raceway may be used to serve multiple EV charging spaces.

2. A service panel or subpanel (s) shall be provided with panel space and electrical load capacity for a dedicated 208/240 volt, 40-ampere minimum branch circuit for each EV capable space, with delivery of 30-ampere minimum to an installed EVSE at each EVCS.

3. The electrical system and any on-site distribution transformers shall have sufficient capacity to supply full rated amperage at each EV capable space. 4. The service panel or subpanel circuit directory shall identify the reserved overcurrent

protective devices space(s) as "EV CAPABLE". The raceway termination location shall be permanently and visibly marked as "EV CAPABLE." Note: A parking space served by electric vehicle supply equipment or designed as a future EV

charging space shall count as at least one standard automobile parking space only for the purpose of complying with any applicable minimum parking space requirements established by an enforcement agency. See vehicle Code Section 22511.2 for further details.

TOTAL NUMBER OF ACTUAL PARKING SPACES	NUMBER OF REQUIRED EV CAPABLE SPACES	NUMBER OF EVCS (EV CAPABLE SPACES PROVIDED WITH EVSE)^2	
0-9	0	0	
10-25	2	0 2 3 4	
26-50	8		
51-75	13		
76-100	17		
101-150	25	6	
151-200	35	9	
201 AND OVER	20% of total ¹	25% of EV capable spaces1	

1. Where there is insufficient electrical supply.

2. The number of required EVCS (EV capable spaces provided with EVSE) in column 3 count towards the total number of required EV capable spaces shown in column 2.

5.106.5.3.2 Electric vehicle charging stations (EVCS) EV capable spaces shall be provided with EVSE to create EVCS in the number indicated in Table 5.106.5.3.1. The EVCS required by Table 5.106.5.3.1 may be provided with EVSE in any combination of

Level 2 and Direct Current Fast Charging (DCFC), except that at least one Level 2 EVSE shall be One EV charger with multiple connectors capable of charging multiple EVs simultaneously shall be

permitted if the electrical load capacity required by Section 5.106.5.3.1 for each EV capable space is accumulatively supplied to the EV charger.

The installation of each DCFC EVSE shall be permitted to reduce the minimum number of required EV capable spaces without EVSE by five and reduce proportionally the required electrical load capacity to the

DISCLAIMER: THIS DOCUMENT IS PROVIDED AND INTENDED TO BE USED AS A MEANS TO INDICATE AREAS OF COMPLIANCE WITH THE CALIFORNIA GREEN BUILDING VERIFICATION WITH THE FULL CODE.

THE END USER ASSUMES ALL RESPONSIBILITY ASSOCIATED WITH THE USE OF THIS DOCUMENT, INCLUDING VERIFICATION WITH THE FULL CODE.

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5.106.5.3.3 Use of automatic load management systems (ALMS). ALMS shall be permitted for EVCS. When ALMS is installed, the required electrical load capacity

5.106.5.3.4 Accessible EVCS.

Electrical Code and as follows:

5.106.5.3.1 for each EVCS may be reduced when serviced by an EVSE controlled by an ALMS. Each EVSE controlled by an ALMS shall deliver a minimum 30 amperes to an EV when charging one vehicle and shall deliver a minimum 3.3 kW while simultaneously charging multiple EVs.

When EVSE is installed, accessible EVSC shall be provided in accordance with the California Building Code, Chapter 11B, Section 11B-228.3. Note: For EVCS signs, refer to Caltrans Traffic Operations Policy Directive 13-01 (Zero Emission Vehicle Signs and Pavement Markings) or its successor(s).

5.106.5.4 Electric Vehicle (EV) charging: medium-duty and heavy-duty. [N] Construction shall comply with section 5.106.5.4.1 to facilitate future installation of electric vehicle supply equipment (EVSE). Construction for warehouses, grocery stores and retail stores with planned off-street loading

spaces shall also comply with Section 5.106.5.4.1 for future installation of medium- and heavy-duty EVSE. 1. On a case-by-case basis where the local enforcing agency has determined compliance with this

section is not feasible based upon one of the following conditions: Where there is no local utility power supply. b. Where the local utility is unable to supply adequate power.

c. Where there is evidence suitable to the local enforcing agency substantiating that additional local utility infrastructure design requirements, directly related to the implementation of Section 5.106.5.3, may adversely impact the construction cost of the project. When EVSE(s) is/are installed, it shall be in accordance with the California Building Code, the California

5.106.5.4.1 Electric vehicle charging readiness requirements for warehouse, grocery stores and retail stores with planned off-street loading spaces.

[N] In order to avoid future demolition when adding EV charging supply and distribution equipment, spare raceways(s) or busway(s) and adequate capacity for transformers(s), service panels(s) or subpanel(s) shall be installed at the time of construction in accordance with the California Electrical Code. Construction plans and specifications shall include but are not limited to, the following:

> 1. The transformer, main service equipment and subpanel shall meet the minimum power requirement in Table 5.106.5.4.1 to accommodate the dedicated branch circuits for the future installation of EVSE.

2. The construction documents shall indicate on or more location(s) convenient to the planned offstreet loading space(s) reserved for medium-and heavy-duty ZEV charging cabinets and charging dispensers, and a pathway reserved for routing of conduit from the termination of the raceway(s) or busway(s) to the charging cabinet(s) and dispenser(s) as shown in Table

3. Raceway(s) or busway(s) originating at a main service panel or a subpanel(s) serving the area where potential future medium-and heavy-duty EVSE will be located and shall terminate in close proximity to the potential future location of the charging equipments for medium- and heavy-duty

4. The raceway(s) or busway(s) shall be sufficient size to carry the minimum additional system load to the future location of the charging for medium- and heavy-duty ZEVs as shown in Table

TABLE 5.106.5.4.1 RACEWAY CONDUIT AND PANEL POWER REQUIREMENTS FOR MEDIUM- AND HEAVY-DUTY EVSE IN

BUILDING TYPE	BUILDING SIZE (SQ. FT.)	NUMBER OF OFF-STREET LOADING SPACES	CAPACITY REQUIRED (KVA) FOR RACEWAY & BUSWAY AND TRANSFORMER & PANEL
	10,000 to 90,000	1 or 2	200
Grocery	10,000 to 90,000	3 or Greater	400
	Greater than 90,000	1 or Greater	400
	10,000 to 135,000	1 or 2	200
Retail	10,000 to 133,000	3 or Greater	400
	Greater than 135,000	1 or Greater	400
		1 or 2	200
Warehouse	20,000 to 256,000	3 or Greater	400
	Greater than 256,000	1 or Greater	400

5.106.8 LIGHT POLLUTION REDUCTION. [N]. I Outdoor lighting systems shall be designed and installed to comply

- . The minimum requirements in the California Energy Code for Lighting Zones 0-4 as defined in Chapter 10, Section 10-114 of the California Administrative Code; and 2. Backlight (B) ratings as defined in IES TM-15-11 (shown in Table A-1 in Chapter 8);
- 3. Uplight and Glare ratings as defined in California Energy Code (shown in Tables 130.2-A and 130.2-B in
- 4. Allowable BUG ratings not exceeding those shown in Table 5.106.8, [N] or Comply with a local ordinance lawfully enacted pursuant to Section 101.7, whichever is more stringen

Exceptions: [N]

- Luminaires that qualify as exceptions in Sections 130.2 (b) and 140.7 of the California Energy Code.
- Building facade meeting the requirements in Table 140.7-B of the California Energy Code, Part 6.
- 4. Custom lighting features as allowed by the local enforcing agency, as permitted by Section 101.8
- Alternate materials, designs and methods of construction.
- Luminaires with less than 6.200 initial luminaire lumens.

TABLE 5.106.8 [N] MAXIMUM ALLOWABLE BACKLIGHT, UPLIGHT AND GLARE (BUG) RATINGS 1,2								
ALLOWABLE RATING ZONE LZ0 LIGHTING ZONE LZ1 LIGHTING ZONE LZ3								
MAXIMUM ALLOWABLE BACKLIGHT RATING 3								
Luminaire greater than 2 mounting heights (MH) from property line	N/A	No Limit	No Limit	No Limit	No Limit			
Luminaire back hemisphere is 1-2 MH from property line	N/A	B2	В3	B4	B4			
Luminaire back hemisphere is 0.5-1 MH from property line	N/A	B1	B2	В3	В3			
Luminaire back hemisphere is less than 0.5 MH from property line	N/A	В0	В0	B1	B2			
MAXIMUM ALLOWABLE UPLIGHT RATING (U)								
For area lighting 3	N/A	U0	U0	U0	U0			
For all other outdoor lighting,including decorative luminaires	N/A	U1	U2	U3	UR			

NOT APPLICABLE
RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER,
OWNER, CONTRACTOR, INSPECTOR ETC.) MAXIMUM ALLOWABLE GLARE RATING 5 (G) MAXIMUM ALLOWABLE N/A G4 GLARE RATING 5 (G) MAXIMUM ALLOWABLE N/A G2 GLARE RATING 5 (G) MAXIMUM ALLOWABLE G1 N/A G0 GLARE RATING 5 (G) MAXIMUM ALLOWABLE N/A G1 GLARE RATING 5 (G)

. IESNA Lighting Zones 0 and 5 are not applicable; refer to Lighting Zones as defined in the California Energy Code and Chapter 10 of the Callifornia Administrative Code.

2. For property lines that abut public walkways, bikeways, plazas and parking lots, the property line may be considered to be 5 feet beyond the actual property line for purpose of determining compliance with this section. For property lines that abut public roadways and public transit corridors, the property line may be considered to be the centerline of the public roadway or public transit corridor for the purpose of determining compliance with this

3. General lighting luminaires in areas such as outdoor parking, sales or storage lots shall meet these reduced ratings. Decorative luminaries located in these areas shall meet U-value limits for "all other outdoor lighting"

5.106.8.1 Facing- Backlight

Luminaries within 2MH of a property line shall be oriented so that the nearest property line is behind the fixture, and shall comply with the backlight rating specified in Table 5.106.8 based on the lighting zone and distance to

Exception: Corners. If two property lines (or two segments of the same property line) have equidistant point to the luminaire, then the luminaire may be oriented so that the intersection of the two lines (the corner) is directly behind the luminaire. The luminaire shall still use the distance to the nearest points(s) on the property lines to determine the required backlight rating.

For luminaires covered by 5.106.8.1, if a property line also exists within or extends into the front hemisphere within 2MH of the luminaire then the luminaire shall comply with the more stringent glare rating specified in Table 5.106.8 based on the lighting zone and distance to the nearest point on the nearest property line within the front

1.See also California Building Code, Chapter 12, Section 1205.6 for college campus lighting requirements for parking facilities and walkways 2.Refer to Chapter 8 (Compliance Forms, Worksheets and Reference Material) for IES TM-15-11 Table A-1, California Energy Code Tables 130.2-A and 130.2-B. 3. Refer to the California Building Code for requirements for additions and alterations.

5.106.10 GRADING AND PAVING. Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water include, but are not limited to, the following:

- Water collection and disposal systems.
- French drains. Water retention gardens.
- 5. Other water measures which keep surface water away from buildings and aid in groundwater recharge.

Exception: Additions and alterations not altering the drainage path. 5.106.12 SHADE TREES [DSA-SS]. Shade Trees shall be planted to comply with Sections 5.106.12.1, 5.106.12.2,

and 5.106.12.3. Percentages shown shall be measured at noon on the summer solstice. Landscape irrigation necessary to establish and maintain tree health shall comply with Section 5.304.6. 5.106.12.1 Surface parking areas. Shade tree plantings, minimum #10 container size or equal, shall be installed

to provide shade over 50 percent of the parking area within 15 years. Exceptions: Surface parking area covered by solar photovoltaic shade structures with roofing

materials that comply with Table A5.106.11.2.2 in Appendix A5 shall be permitted in whole or in part in lieu of shade tree planting 5.106.12.2 Landscape areas. Shade tress plantings, minimum #10 container size or equal shall be installed to

provide shade of 20% of the landscape area within 15 years. **Exceptions:** Playfields for organized sport activity are not included in the total area calculation.

5.106.12.3. Hardscape areas. Shade tree plantings, minimum #10 container size or equal shall be installed to provide shade over 20 percent of the hardscape area within 15 years.

Walks, hardscape areas covered by solar photovoltaic shade structures or shade structures with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5 shall be permitted in whole or in part in lieu

2. Designated and marked play areas of organized sport activity are not included in the total area calculation. DIVISION 5.2 ENERGY EFFICIENCY

SECTION 5.201 GENERAL

5.201.1 Scope [BSC-CG]. California Energy Code [DSA-SS]. For the purposes of mandatory energy efficiency standards in this code, the California Energy Commission will continue to adopt mandatory building standards.

DIVISION 5.3 WATER EFFICIENCY AND CONSERVATION

SECTION 5.301 GENERAL 5.301.1 Scope. The provisions of this chapter shall establish the means of conserving water use indoors, outdoors

SECTION 5.302 DEFINITIONS

5.302.1 Definitions. The following terms are defined in Chapter 2 (and are included here for reference) EVAPOTRANSPIRATION ADJUSTMENT FACTOR (ETAF) [DSA-SS]. An adjustment factor when applied to

reference evapotranspiration that adjusts for plant factors and irrigation efficiency, which ae two major influences on the amount of water that needs to be applied to the landscape. FOOTPRINT AREA [DSA-SS]. The total area of the furthest exterior wall of the structure projected to natural grade,

not including exterior areas such as stairs, covered walkways, patios and decks. METERING FAUCET. A self-closing faucet that dispenses a specific volume of water for each actuation cycle. The volume or cycle duration can be fixed or adjustable

GRAYWATER. Pursuant to Health and Safety Code Section 17922.12, "graywater" means untreated wastewater that has not been contaminated by any toilet discharge, has not been affected by infectious, contaminated, or unhealthy bodily wastes, and does not present a threat from contamination by unhealthful processing, manufacturing, or operating wastes. "Graywater" includes, but is not limited to wastewater from bathtubs, showers, bathroom washbasins, clothes washing machines and laundry tubs, but does not include waste water from kitchen sinks or

MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO). The California ordinance regulating landscape design, installation and maintenance practices that will ensure commercial, multifamily and other developer installed landscapes greater than 2500 square feet meet an irrigation water budget developed based on landscaped area and

MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO). [HCD] The California model ordinance (California Code of Regulations, Title 23, Division 2, Chapter 2.7), regulating landscape design, installation and maintenance practices. Local agencies are required to adopt the updated MWELO, or adopt a local ordinance at least

POTABLE WATER. Water that is drinkable and meets the U.S. Environmental Protection Agency (EPA) Drinking Water Standards. See definition in the California Plumbing Code, Part 5.

POTABLE WATER. [HCD] Water that is satisfactory for drinking, culinary, and domestic purposes, and meets the U.S. Environmental Protection Agency (EPA) Drinking Water Standards and the requirements of the Health Authority

RECYCLED WATER. Water which, as a result of treatment of waste, is suitable for a direct beneficial use or a controlled use that would not otherwise occur [Water Code Section 13050 (n)]. Simply put, recycled water is water treated to remove waste matter attaining a quality that is suitable to use the water again.

SUBMETER. [HCD 1] A secondary device beyond a meter that measures water consumption of an individual rental unit within a multiunit residential structure or mixed-use residential and commercial structure. (See Civic Code Section 1954.202 (g) and Water code Section 517 for additional details.)

WATER BUDGET. Is the estimated total landscape irrigation water use which shall not exceed the maximum applied water allowance calculated in accordance with the Department of Water Resources Model Efficient Landscape Ordinance (MWELO).

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T.I PROPOSED BUSINESS OWNERS



CONTRACTOR CONTRACTOR TO PULL PERMIT AFTER APPROVAL OF PLANS AMERICAN CONSTRUCTION COMPANY 1130 N KRAEMER BLVD #I ANAHEIM, CA 92806

LIC#1073807

PROJECT NAME LOCATION

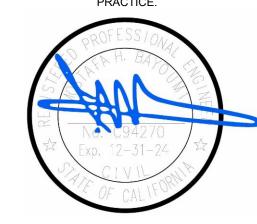
STE 2879

AUTHORITY HAVING JURISDICTION (AHJ) **BUILDING DEPARTMENT | CITY OF CORONA**

REVISION SCHEDULE REVISION REVISION REVISION SEQUENCE DESCRIPTION DATE

> ENGINEER OF RECORD REVIEWED BY SEAL / STAMP

THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER IS THE LEGAL REPRESENTATION THAT THIS ENGINEERING DRAWINGS, PLANS, AND SPECIFICATIONS WERE PREPARED FITHER BY THE PROFESSIONAL ENGINEER OR ANY OF ACC & ENGINEERING FIRM DESIGNERS WHO WERE UNDER THE RESPONSIBLE CHARGE (DIRECT CONTROL AND PERSONAL SUPERVISION) OF THE PROFESSIONAL ENGINEER. IT FURTHER CERTIFIES THAT THE WORK PERFORMED WAS DONE COMPETENTLY MEETS THE PROFESSIONAL STANDARD OF CARE, AND IS IN ACCORDANCE WITH ACCEPTED STANDARDS OF



SHEET NAME CA-GREEN BUILDING

STANDARDS

SHEET NUMBER

GR-01



California 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

	NONRESIDENTIAL MANDATORY MEASURES, SHEET 2 (January 2023) Y S NOT APPLICABLE S NOT APPLICA							
Y N/A RES	SPON. ARTY		Y N/A RESPON.		Y N/A RES	ESPON. ARTY	Y N/A RESPON	ı.
	s	ECTION 5.303 INDOOR WATER USE				5.410.2 COMMISSIONING. [N] New buildings 10,000 square feet and over. For new buildings 10,000 square feet		5.410.4.4 Reporting. After completion of testing, adjusting and balancing, provide a final report of testing
	5.	303.1 METERS. Separate submeters or metering devices shall be installed for the uses described in Sections 03.1.1 and 503.1.2.				and over, building commissioning shall be included in the design and construction processes of the building project to verify that the building systems and components meet the owner's or owner representative's project requirements.		signed by the individual responsible for performing these services.
		5.303.1.1 Buildings in excess of 50,000 square feet. Separate submeters shall be installed as follows:		SECTION 5.402 DEFINITIONS 5.402.1 DEFINITIONS. The following terms are defined in Chapter 2 (and are included here for reference)		Commissioning shall be performed in accordance with this section by trained personnel with experience on projects of comparable size and complexity. For I-occupancies that are not regulated by OSHPD or for I-occupancies and L-occupancies that are not regulated y the California Energy Code Section 100.0 Scope, all requirements in Sections		5.410.4.5 Operation and maintenance (O & M) manual. Provide the building owner or representative with detailed operating and maintenance instructions and copies of guaranties/warranties for each system. O & M instructions shall be consistent with OSHA requirements in CCR, Title 8, Section 5142, and other related
		 For each individual leased, rented or other tenant space within the building projected to consume more than 100 gal/day (380 L/day), including, but not limited to, spaces used for laundry or cleaners, 		ADJUST. To regulate fluid flow rate and air patterns at the terminal equipment, such as to reduce fan speed or adjust		5.410.2 through 5.410.2.6 shall apply. Note: For energy-related systems under the scope (Section 100) of the California Energy Code, including heating,		regulations.
		restaurant or food service, medical or dental office, laboratory, or beauty salon or barber shop. 2. Where separate submeters for individual building tenants are unfeasible, for water supplied to the		a damper. BALANCE. To proportion flows within the distribution system, including sub-mains, branches and terminals,		ventilation, air conditioning (HVAC) systems and controls, indoor lighting systems and controls, as well as water heating systems and controls, refer to California Energy Code Section 120.8 for commissioning requirements		5.410.4.5.1 Inspections and reports. Include a copy of all inspection verifications and reports required by the enforcing agency.
		following subsystems: a. Makeup water for cooling towers where flow through is greater than 500 gpm (30 L/s). b. Makeup water for evaporative coolers greater than 6 gpm (0.04 L/s).		according to design quantities.		Commissioning requirements shall include:		DIVISION 5.5 ENVIRONMENTAL QUALITY
		c. Steam and hot water boilers with energy input more than 500,000 Btu/h (147 kW).		BUILDING COMMISSIONING. A systematic quality assurance process that spans the entire design and construction process, including verifying and documenting that building systems and components are planned, designed, installed, tested, operated and maintained to meet the owner's project requirements.		 Owner's or Owner representative's project requirements. Basis of design. 		SECTION 5.501 GENERAL
		5.303.1.2 Excess consumption. A separate submeter or metering device shall be provided for any tenant within a new building or within an addition that is projected to consume more than 1,000 gal/day.		ORGANIC WASTE. Food waste, green waste, landscape and pruning wste, nonhazardous wood waste, and food soiled paper waste that is mixed in with food waste.		 Commissioning measures shown in the construction documents. Commissioning plan. Functional performance testing. 		5.501.1 SCOPE. The provisions of this chapter shall outline means of reducing the quantity of air contaminants that are odorous, irritating, and/or harmful to the comfort and well-being of a building's installers, occupants and neighbors.
x		303.3 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures (water closets and inals) and fittings (faucets and showerheads) shall comply with the following:		TEST. A procedure to determine quantitative performance of a system or equipment		6. Documentation and training. 7. Commissioning report.		SECTION 5.502 DEFINITIONS 5.502.1 DEFINITIONS. The following terms are defined in Chapter 2 (and are included here for reference)
x □ AC		5.303.3.1 Water Closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per		SECTION 5.407 WATER RESISTANCE AND MOISTURE MANAGEMENT 5.407.1 WEATHER PROTECTION. Provide a weather-resistant exterior wall and foundation envelope as required by		Exceptions:		ARTERIAL HIGHWAY. A general term denoting a highway primarily for through traffic usually on a continuous route.
		flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-Type toilets.		California Building Code Section 1402.2 (Weather Protection), manufacturer's installation instructions or local ordinance, whichever is more stringent.		 Unconditioned warehouses of any size. Areas less than 10,000 square feet used for offices or other conditioned accessory spaces within unconditioned warehouses. 		A-WEIGHTED SOUND LEVEL (dBA). The sound pressure level in decibels as measured on a sound level meter using the internationally standardized A-weighting filter or as computed from sound spectral data to which A-weighting adjustments have been made.
		Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush.	□ 🖾 ACC	5.407.2 MOISTURE CONTROL. Employ moisture control measures by the following methods.		 Tenant improvements less than 10,000 square feet as described in Section 303.1.1. Open parking garages of any size, or open parking garage areas, of any size, within a structure. 		1 BTU/HOUR. British thermal units per hour, also referred to as Btu. The amount of heat required to raise one pound
x □ AC	CC C	5.303.3.2 Urinals.5.303.3.2.1 Wall-mounted Urinals. The effective flush volume of wall-mounted urinals shall not exceed		5.407.2.1 Sprinklers. Design and maintain landscape irrigation systems to prevent spray on structures.5.407.2.2 Entries and openings. Design exterior entries and/or openings subject to foot traffic or wind-driven		Note: For the purposes of this section, unconditioned shall mean a building, area, or room which does not provide heating and or air conditioning.		of water one degree Fahrenheit per hour, a common measure of heat transfer rate. A ton of refrigeration is 12,000 Btu, the amount of heat required to melt a ton (2,000 pounds) of ice at 32 ⁰ Fahrenheit.
X / //C		0.125 gallons per flush. 5.303.3.2.2 Floor-mounted Urinals. The effective flush volume of floor-mounted or other urinals shall		rain to prevent water intrusion into buildings as follows:		Informational Notes:		COMMUNITY NOISE EQUIVALENT LEVEL (CNEL). A metric similar to the day-night average sound level (Ldn), except that a 5 decibel adjustment is added to the equivalent continuous sound exposure level for evening hours (7pm to 10pm) in addition to the 10 dB nighttime adjustment used in the Ldn.
		not exceed 0.5 gallons per flush.		5.407.2.2.1 Exterior door protection. Primary exterior entries shall be covered to prevent water intrusion by using nonabsorbent floor and wall finishes within at least 2 feet around and perpendicular to such openings plus at least one of the following:		 IAS AC 476 is an accreditation criteria for organizations providing training and/or certification of commissioning personnel. AC 476 is available to the Authority Having Jurisdiction as a reference for 		COMPOSITE WOOD PRODUCTS. Composite wood products include hardwood plywood, particleboard and medium
	\dashv	 5.303.3.3 Showerheads. [BSC-CG] 5.303.3.3.1 Single showerhead. Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA 		An installed awning at least 4 feet in depth. The door is protected by a roof overhang at least 4 feet in depth.		qualifications of commissioning personnel. AC 476 des not certify individuals to conduct functional performance tests or to adjust and balance systems.		density fiberboard. "Composite wood products" does not include hardboard, structural plywood, structural panels, structural composite lumber, oriented strand board, glued laminated timber, timber, prefabricated wood I–joists or finger–jointed lumber, all as specified in California Code of Regulations (CCR). Title 17, Section 93120.1(a).
		WaterSense Specification for Showerheads.		 The door is protected by a roof overhang at least 4 feet in depth. The door is recessed at least 4 feet. Other methods which provide equivalent protection. 		Functional performance testing for heating, ventilation, air conditioning systems and lighting controls must be performed in compliance with the California Energy Code.		Note: See CCR, Title 17, Section 93120.1.
		5.303.3.3.2 Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all the showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi, or the shower shall be designed to		5.407.2.2.2 Flashing. Install flashings integrated with a drainage plane.				DAY-NIGHT AVERAGE SOUND LEVEL (Ldn). The A-weighted equivalent continuous sound exposure level for a 24-hour period with a 10 dB adjustment added to sound levels occurring during nighttime hours (10p.m. to 7 a.m.).
		allow only one shower outlet to be in operation at a time. Note: A hand-held shower shall be considered a showerhead.		SECTION 5.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND		5.410.2.1 Owner's or Owner Representative's Project Requirements (OPR). [N] The expectations and requirements of the building appropriate to its phase shall be documented before the design phase of the project begins. This documentation shall include the following:		DECIBEL (db). A measure on a logarithmic scale of the magnitude of a particular quantity (such as sound pressure,
X	CC C	5.303.3.4 Faucets and fountains.	TOR	RECYCLING		Environmental and sustainability goals. Building sustainable goals. Indoor environmental quality requirements.		sound power, sound intensity) with respect to a reference quantity. ELECTRIC VEHICLE (EV). An automotive-type vehicle for on-road use, such as passenger automobiles, buses,
		5.303.3.4.1 Nonresidential Lavatory faucets. Lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi.	ITRAC	5.408.1 CONSTRUCTION WASTE MANAGEMENT. Recycle and/or salvage for reuse a minimum of 65% of the non-hazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent.		 Project program, including facility functions and hours of operation, and need for after hours operation. 		trucks, vans, neighborhood electric vehicles, electric motorcycles, and the like, primarily powered by an electric motor that draws current from a rechargeable storage battery, fuel cell, photovoltaic array, or other source of electric current. Plug-in hybrid electric vehicles (PHEV) are considered electric vehicles. For purposes of the <i>California Electrical Code</i> ,
		5.303.3.4.2 Kitchen faucets. Kitchen faucets shall have a maximum flow rate of not more than 1.8		5.408.1.1 Construction waste management plan. Where a local jurisdiction does not have a construction and		5. Equipment and systems expectations.6. Building occupant and operation and maintenance (O&M) personnel expectations.		off-road, self-propoelled electric vehicles, such as industrial trucks, hoists, lifts, transports, golf carts, airline ground support equipment, tractors, boats, and the like, are not included.
		gallons per minute at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gallons per minute at 60 psi, and must default to a maximum flow rate of 1.8 gallons per minute at 60 psi.		demolition waste management ordinance, submit a construction waste management plan that: 1. Identifies the construction and demolition waste materials to be diverted from disposal by efficient		5.410.2.2 Basis of Design (BOD). [N] A written explanation of how the design of the building systems meets the OPR shall be completed at the design phase of the building project. The Basis of Design document shall		ELECTRIC VEHICLE CHARGING STATION(S) (EVCSj). One or more spaces intended for charging electric vehicles.
		5.303.3.4.3 Wash fountains. Wash fountains shall have a maximum flow rate of not more than 1.8		usage, recycling, reuse on the project or salvage for future use or sale. 2. Determines if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream).		cover the following systems: 1. Renewable energy systems.		ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE). The conductors, including the ungrounded, grounded, and equipment grounding conductors and the electric vehicle connectors, attachment plugs, and all other fittings, devices,
		gallons per minute/20 [rim space (inches) at 60 psi]. 5.303.3.4.4 Metering faucets. Metering faucets shall not deliver more than 0.20 gallons per cycle.		 Identifies diversion facilities where construction and demolition waste material collected will be taken. Specifies that the amount of construction and demolition waste materials diverted shall be calculated 		 Landscape irrigation systems. Water reuse system. 		power outlets, or apparatus installed specifically for the purpose of transferring energy between the premises wiring and the electric vehicle.
		5.303.3.4.5 Metering faucets for wash fountains. Metering faucets for wash fountains shall have a maximum flow rate of not more than 0.20 gallons per minute/20 [rim space (inches) at 60 psi].		by weight or volume, but not by both. 5.408.1.2 Waste Management Company. Utilize a waste management company that can provide verifiable		5.410.2.3 Commissioning plan. [N] Prior to permit issuance a commissioning plan shall be completed to document how the project will be commissioned. The commissioning plan shall include the following:		ENERGY EQUIVALENT (NOISE) LEVEL (Leq). The level of a steady noise which would have the same energy as the fluctuating noise level integrated over the time of period of interest.
		Note: Where complying faucets are unavailable, aerators or other means may be used to achieve		documentation that the percentage of construction and demolition waste material diverted from the landfill complies with this section.		 General project information. Commissioning goals. Systems to be commissioned. Plans to test systems and components shall include: 		EXPRESSWAY. An arterial highway for through traffic which may have partial control of access, but which may or may not be divided or have grade separations at intersections.
		reduction. 5.303.3.4.6 Pre-rinse spray value		Note: The owner or contractor shall make the determination if the construction and demolition waste material will be diverted by a waste management company.		a. An explanation of the original design intent.b. Equipment and systems to be tested, including the extent of tests.		FREEWAY. A divided arterial highway with full control of access and with grade separations at intersections.
		When installed, shall meet the requirements in the <i>California Code of Regulations</i> , Title 20 (Appliance Efficiency Regulations), Section 1605.1 (h)(4) Table H-2, Section 1605.3 (h)(4)(A), and Section 1607		Exceptions to Sections 5.408.1.1 and 5.408.1.2:		c. Functions to be tested.d. Conditions under which the test shall be performed.e. Measurable criteria for acceptable performance.		GLOBAL WARMING POTENTIAL (GWP). The radiative forcing impact of one mass-based unit of a given greenhouse gas relative to an equivalent unit of carbon dioxide over a given period of time. Carbon dioxide is the reference
		(d)(7), and shall be equipped with an integral automatic shutoff. FOR REFERENCE ONLY: The following table and code section have been reprinted from the California		 Excavated soil and land-clearing debris. Alternate waste reduction methods developed by working with local agencies if diversion or recycle 		 Commissioning team information. Commissioning process activities, schedules and responsibilities. Plans for the completion of commissioning shall be included. 		compound with a GWP of one. GLOBAL WARMING POTENTIAL VALUE (GWP VALUE). A 100-year GWP value published by the
		Code of Regulations, Title 20 (Appliance Efficiency Regulations), Section 1605.1 (h)(4) and Section 1605.3 (h)(4)(A).		facilities capable of compliance with this item do not exist.3. Demolition waste meeting local ordinance or calculated in consideration of local recycling facilities and markets.		5.410.2.4 Functional performance testing. [N] Functional performance tests shall demonstrate the correct		Intergovernmental Panel on Climate Change (IPCC) in either its Second Assessment Report (SAR) (IPCC, 1995); or its Fourth Assessment A-3 Report (AR4) (IPCC, 2007). The SAR GWP values are found in column "SAR (100-yr)" of Table 2.14.; the AR4 GWP values are found in column "100 yr" of Table 2.14.
		TABLE H-2		5.408.1.3 Waste stream reduction alternative. The combined weight of new construction disposal that does not exceed two pounds per square foot of building area may be deemed to meet the 65% minimum requirement		installation and operation of each component, system and system-to-system interface in accordance with the approved plans and specifications. Functional performance testing reports shall contain information addressing each of the building components tested, the testing methods utilized, and include any readings and adjustments		HIGH-GWP REFRIGERANT. A compound used as a heat transfer fluid or gas that is: (a) a chlorofluorocarbon, a
		STANDARDS FOR COMMERCIAL PRE-RINSE SPRAY		as approved by the enforcing agency.		made.		hdrochlorofluorocarbon, a hydrofluorocarbon, a perfluorocarbon, or any compound or blend of compounds, with a GWP value equal to or greater than 150, or (B) any ozone depleting substance as defined in Title 40 of the Code of Federal Regulations, Part 82, sec.82.3 (as amended March 10, 2009).
		VALUES MANUFACTURED ON OR AFTER JANUARY 28, 2019 PRODUCT CLASS		5.408.1.4 Documentation. Documentation shall be provided to the enforcing agency which demonstrates compliance with Sections 5.408.1.1, through 5.408.1.3. The waste management plan shall be updated as necessary and shall be accessible during construction for examination by the enforcing agency.		5.410.2.5 Documentation and training. [N] A Systems Manual and Systems Operations Training are required, including Occupational Safety and Health Act (OSHA) requirements in California Code of Regulations (CCR), Title 8, Section 5142, and other related regulations.		LONG RADIUS ELBOW. Pipe fitting installed between two lengths of pipe or tubing to allow a change of direction, with a radius 1.5 times the pipe diameter.
		[spray force in ounce force (ozf)] Product Class 1 (≤ 5.0 ozf) MAXIMUM FLOW RATE (gpm) 1.00		Notes:		5.410.2.5.1 Systems manual. [N] Documentation of the operational aspects of the building shall be		LOW-GWP REFRIGERANT. A compound used as a heat transfer fluid or gas that: (A) has a GWP value less than
		Product Class 2 (> 5.0 ozf and ≤ 8.0 ozf) 1.20		 Sample forms found in "A Guide to the California Green Building Standards Code (Nonresidential)" located www.dgs.ca.gov/BSC/Resources/Page-Content/Building-Standards-Commission- 		completed within the systems manual and delivered to the building owner or representative. The systems manual shall include the following:		150, and (B) is not an ozone depleting substance as defined in Title 40 of the Code of Federal Regulations, Part 82, sec.82.3 (as amended March 10, 2009).
		Product Class 3 (> 8.0 ozf) 1.28		Resources-List-Folder/CALGreen may be used to assist in documenting compliance with the waste management plan. 2. Mixed construction and demolition debris processors can be located at the California Department of		 Site information, including facility description, history and current requirements. Site contact information. Basic operations and maintenance, including general site operating procedures, basic 		MERV. Filter minimum efficiency reporting value, based on ASHRAE 52.2–1999.
XI 🗆 AC	5.	303.4 COMMERCIAL KITCHEN EQUIPMENT. 5.303.4.1 Food Waste Disposers. Disposers shall either modulate the use of water to no more than 1 gpm		Resources Recycling and Recovery (CalRecycle).		troubleshooting, recommended maintenance requirements, site events log. 4. Major systems.		MAXIMUM INCREMENTAL REACTIVITY (MIR). The maximum change in weight of ozone formed by adding a compound to the "Base REactive Organic Gas (ROG) Mixture" per weight of compound added, expressed to hundreths of a gram (g O ³ /g ROC).
		when the disposer is not in use (not actively grinding food waste/no-load) or shall automatically shut off after no more than 10 minutes of inactivity. Disposers shall use no more than 8 gpm of water.		5.408.2 UNIVERSAL WASTE. [A] Additions and alterations to a building or tenant space that meet the scoping provisions in Section 301.3 for nonresidential additions and alterations, shall require verification that Universal Waste items such as fluorescent lamps and ballast and mercury containing thermostats as well as other California prohibited		5. Site equipment inventory and maintenance notes.6. A copy of verifications required by the enforcing agency or this code.7. Other resources and documentation, if applicable.		PRODUCT-WEIGHTED MIR (PWMIR). The sum of all weighted-MIR for all ingredients in a product subject to this article. The PWMIR is the total product reactivity expressed to hundredths of a gram of ozone formed per gram of
		Note: This code section does not affect local jurisdiction authority to prohibit or require disposer installation.		Universal Waste materials are disposed of properly and are diverted from landfills. A list of prohibited Universal Waste materials shall be included in the construction documents.		5.410.2.5.2 Systems operations training. [N] A program for training of the appropriate maintenance		product (excluding container and packaging). PSIG. Pounds per square inch, guage.
	В	303.5 AREAS OF ADDITION OR ALTERATION. For those occupancies within the authority of the California uilding Standards Commission as specified in Section 103, the provisions of Section 5.303.3 and 5.303.4 shall apply new fixtures in additions or areas of alteration to the building.		Note: Refer to the Universal Waste Rule link at: http://www.dtsc.ca.gov/universalwaste/		staff for each equipment type and/or system shall be developed and documented in the commissioning report and shall include the following: 1. System/equipment overview (what it is, what it does and with what other systems and/or		REACTIVE ORGANIC COMPOUND (ROC). Any compound that has the potential, once emitted, to contribute to
	5.	303.6 STANDARDS FOR PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures and fittings shall be installed accordance with the <i>California Plumbing Code</i> , and shall meet the applicable standards referenced in Table 1701.1		5.408.3 EXCAVATED SOIL AND LAND CLEARING DEBRIS. 100 percent of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reused or recycled. For a phased project, such material may be stockpiled on site until the storage site is developed.		equipment it interfaces). 2. Review and demonstration of servicing/preventive maintenance.		ozone formation in the troposphere. SCHRADER ACCESS VALVES. Access fittings with a valve core installed.
		accordance with the California Plumbing Code, and shall meet the applicable standards referenced in Table 1701.1 the California Plumbing Code and in Chapter 6 of this code.		Exception: Reuse, either on or off-site, of vegetation or soil contaminated by disease or pest infestation.		3. Review of the information in the Systems Manual.4. Review of the record drawings on the system/equipment.		SHORT RADIUS ELBOW. Pipe fitting installed between two lengths of pipe or tubing to allow a change of direction, with a radius 1.0 times the pipe diameter.
	ACC 5.	ECTION 5.304 OUTDOOR WATER USE 304.1 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS. Nonresidential developments shall comply		Notes:		5.410.2.6 Commissioning report. [N] A report of commissioning process activities undertaken through the		SUPERMARKET. For the purposes of Section 5.508.2, a supermarket is any retail food facility with 8,000 square feet
		ith a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water fficient Landscape Ordinance (MWELO), whichever is more stringent.		 If contamination by disease or pest infestation is suspected, contact the County Agricultural Commissioner and follow its direction for recycling or disposal of the material. For a map of know pest and/or disease quarantine zones, consult with the California Department of 		design and construction phases of the building project shall be completed and provided to the owner or representative.		or more conditioned area, and that utilizes either refrigerated display cases, or walk-in coolers or freezers connected to remote compressor units or condensing units.
		Notes:1. The Model Water Efficient Landscape Ordinance (MWELO) is located in the California Code of Regulations, Title 23, Chapter 2.7, Division 2.		Food and Agriculture. (www.cdfa.ca.gov)		5.410.4 TESTING AND ADJUSTING. New buildings less than 10,000 square feet. Testing and adjusting of systems shall be required for new buildings less than 10,000 square feet or new systems to serve an addition or alteration subject to Section 303.4		VOC. A volatile organic compound broadly defined as a chemical compound based on carbon chains or rings with vapor pressures greater than 0.1 millimeters of mercury at room temperature. These compounds typically contain hydrogen and may contain oxygen, nitrogen and other elements. See CCR Title 17, Section 94508(a)
		 MWELO and supporting documents, including a water budget calculator, are available at: https://www.water.ca.gov/. 				alteration subject to Section 303.1. 5.410.4.2 (Reserved)		. Note: Where specific regulations are cited from different agencies such as SCAQMD, ARB, etc., the VOC definition
□ ⊠	ACC	304.6 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS. For public schools and community colleges, indecape projects as described in Sections 5.304.6.1 and 5.304.6.2 shall comply with the California Department of		SECTION 5.410 BUILDING MAINTENANCE AND OPERATIONS		Note: For energy-related systems under the scope (Section 100) of the California Energy Code, including		included in that specific regulation is the one that prevails for the specific measure in question. SECTION 5.503 FIREPLACES
	W 2	ater Resources Model Water Efficient Landscape Ordinance (MWELO) commencing with Section 490 of Chapter 7, Division 2, Title 23, California Code of Regulations, except that the evapotranspiration adjustment factor (ETAF)		5.410.1 RECYCLING BY OCCUPANTS. Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum)		heating, ventilation, air conditioning (HVAC) systems and controls, indoor lighting system and controls, as well as water heating systems and controls, refer to California Energy Code Section 120.8 for commissioning requirements and Sections 120.5, 120.6, 130.4, and 140.9(b)3 for additional testing requirements of specific		5.503.1 FIREPLACES. Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace, or a sealed woodstove or pellet stove, and refer to residential requirements in the California Energy Code, Title 24, Part 6, Subchapter 7, Section 150. Woodstoves, pellet stoves and fireplaces shall comply with applicable local ordinances.
	SI	nall be 0.65 with an additional water allowance for special landscape areas (SLA) of 0.35. Exception: Any project with an aggregate landscape area of 2,500 square feet or less may comply with the		paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive.		systems.		5.503.1.1 Woodstoves. Woodstoves and pellet stoves shall comply with U.S. EPA New Source Performance
		prescriptive measures contained in Appendix D of the MWELO. 5.304.6.1 Newly constructed landscapes. New construction projects with an aggregate landscape		Exception : Rural jurisdictions that meet and apply for the exemption in Public Resources Code 42649.82 (a)(2)(A) et seq. shall also be exempt from the organic waste portion of this section.		5.410.4.2 Systems. Develop a written plan of procedures for testing and adjusting systems. Systems to be included for testing and adjusting shall include at a minimum, as applicable to the project:	K	Standards (NSPS) emission limits as applicable, and shall have a permanent label indicating they are certified to meet the emission limits.
		area equal to or greater than 500 square feet.		5.410.1.1 Additions. All additions conducted within a 12-month period under single or multiple permits, resulting in an increase of 30% or more in floor area, shall provide recycling areas on site.		 Renewable energy systems. Landscape irrigation systems. 	RACTC	SECTION 5.504 POLLUTANT CONTROL 5.504.1 TEMPORARY VENTILATION. The permanent HVAC system shall only be used during construction if
		5.304.6.2 Rehabilitated landscapes. Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 1,200 square feet.		Exception: Additions within a tenant space resulting in less than a 30% increase in the tenant space floor area.		Water reuse systems. 5.410.4.3 Procedures. Perform testing and adjusting procedures in accordance with manufacturer's	CONTI	necessary to condition the building or areas of addition or alteration within the required temperature range for material and equipment installation. If the HVAC system is used during construction, use return air filters with a
		IVISION 5.4 MATERIAL CONSERVATION AND RESOURCE		5.410.1.2 Sample ordinance. Space allocation for recycling areas shall comply with Chapter 18, Part 3,		specifications and applicable standards on each system.	TOR	Minimum Efficiency Reporting Value (MERV) of 8, based on ASHRAE 52.2-1999, or an average efficiency of 30% based on ASHRAE 52.1-1992 Replace all filters immediately prior to occupancy, or, if the building is occupied during alteration, at the conclusion of construction.
		FFICIENCY ECTION 5.401 GENERAL		Division 30 of the <i>Public Resources Code</i> . Chapter 18 is known as the California Solid Waste Reuse and Recycling Access Act of 1991 (Act).		5.410.4.3.1 HVAC balancing. In addition to testing and adjusting, before a new space-conditioning system serving a building or space is operated for normal use, the system shall be balanced in	R C K	5.504.3 Covering of duct openings and protection of mechanical equipment during construction. At the time of
	5 .	401.1 SCOPE. The provisions of this chapter shall outline means of achieving material conservation and resource ficiency through protection of buildings from exterior moisture, construction waste diversion, employment of		Note: A sample ordinance for use by local agencies may be found in Appendix A of the document at the CalRecycle's web site.		accordance with the procedures defined by the Testing Adjusting and Balancing Bureau National Standards; the National Environmental Balancing Bureau Procedural Standards; Associated Air Balance Council National Standards or as approved by the enforcing agency.	CON	rough installation and during storage on the construction site until final startup of the heating, cooling and ventilation equipment, all 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 dust, water and debris which
		chniques to reduce pollution through recycling of materials, and building commissioning or testing and adjusting.				The state of the approved by the enterior agency.		may enter the system.

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T.I PROPOSED BUSINESS OWNERS



CONTRACTOR TO PULL PERMIT AFTER APPROVAL OF PLANS AMERICAN CONSTRUCTION COMPANY 1130 N KRAEMER BLVD #I ANAHEIM, CA 92806 LIC#1073807

PROJECT NAME LOCATION OWNER

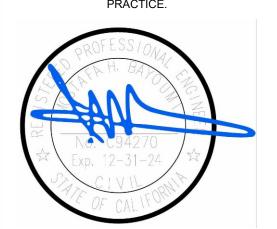
AUTHORITY HAVING JURISDICTION (AHJ)

BUILDING DEPARTMENT | CITY OF CORONA REVISION SCHEDULE

REVISION REVISION REVISION SEQUENCE DESCRIPTION DATE

REVIEWED BY SEAL / STAMP THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER IS THE LEGAL REPRESENTATION THAT THIS ENGINEERING DRAWINGS, PLANS, AND SPECIFICATIONS WERE PREPARED EITHER BY THE PROFESSIONAL ENGINEER OR ANY OF ACC & ENGINEERING FIRM DESIGNERS WHO WERE UNDER THE RESPONSIBLE CHARGE (DIRECT CONTROL AND PERSONAL SUPERVISION) OF THE PROFESSIONAL ENGINEER. IT FURTHER CERTIFIES THAT THE WORK PERFORMED WAS DONE COMPETENTLY, MEETS THE

PROFESSIONAL STANDARD OF CARE, AND IS IN ACCORDANCE WITH ACCEPTED STANDARDS OF



SHEET NAME **CA-GREEN BUILDING** STANDARDS

GR-02



California 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

NONRESIDENTIAL MANDATORY MEASURES, SHEET 3 (January 2023)

.504.4 FINISH MATERIAL POLLUTANT CONTROL. Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.1 Adhesives, sealants and caulks. Adhesives, sealants, and caulks used on the project shall meet the requirements of the following standards: 1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable, or SCAQMD Rule 1168 VOC limits, as shown in Tables 5.504.4.1 and 5.504.4.2. Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene and trichloroethylene), except fo aerosol products as specified in subsection 2, below. 2. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than one pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of California Code of Regulations, Title 17, commencing TABLE 5.504.4.1 - ADHESIVE VOC LIMIT_{1,2} Less Water and Less Exempt Compounds in Grams per Liter ARCHITECTURAL APPLICATIONS CURRENT VOC LIMIT INDOOR CARPET ADHESIVES CARPET PAD ADHESIVES OUTDOOR CARPET ADHESIVES WOOD FLOORING ADHESIVES

RUBBER FLOOR ADHESIVES SUBFLOOR ADHESIVES CERAMIC TILE ADHESIVES VCT & ASPHALT TILE ADHESIVES DRYWALL & PANEL ADHESIVES COVE BASE ADHESIVES MULTIPURPOSE CONSTRUCTION ADHESIVES 100 STRUCTURAL GLAZING ADHESIVES SINGLE-PLY ROOF MEMBRANE ADHESIVES 250 OTHER ADHESIVES NOT SPECIFICALLY LISTED SPECIALTY APPLICATIONS **PVC WELDING** CPVC WELDING ABS WELDING 325 PLASTIC CEMENT WELDING ADHESIVE PRIMER FOR PLASTIC CONTACT ADHESIVE 250 SPECIAL PURPOSE CONTACT ADHESIVE STRUCTURAL WOOD MEMBER ADHESIVE 250 TOP & TRIM ADHESIVE SUBSTRATE SPECIFIC APPLICATIONS METAL TO METAL PLASTIC FOAMS POROUS MATERIAL (EXCEPT WOOD FIBERGLASS

- 1. IF AN ADHESIVE IS USED TO BOND DISSIMILAR SUBSTRATES TOGETHER, THE ADHESIVE WITH THE HIGHEST VOC CONTENT SHALL BE ALLOWED
- 2. FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THIS TABLE, SEE SOUTH COAST AIR QUALITY MANAGEMENT

DISTRICT RULE 1168, www.arb.ca.gov/DRDB/SC/CURHTML/R1168.PDF

TABLE 5.504.4.2 - SEALANT VOC LIMIT Less Water and Less Exempt Compounds in Grams per Liter SEALANTS **CURRENT VOC LIMIT ARCHITECTURAL** MARINE DECK 300 NONMEMBRANE ROOF ROADWAY SINGLE-PLY ROOF MEMBRANE SEALANT PRIMERS ARCHITECTURAL **NONPOROUS** 250 775 **POROUS** MODIFIED BITUMINOUS MARINE DECK

NOTE: FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THESE TABLES, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168

5.504.4.3 Paints and coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Coatings Suggested Control Measure, as shown in Table 5.504.4.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 5.504.4.3 shall be determined by classifying the coating as a Flat, Nonflat or Nonflat-High Gloss coating, based on its gloss, as defined in Subsections 4.21, 4.36 and 4.37 of the 2007 California Air Resources Board Suggested Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in Table 5.504.4.3 shall apply.

5.504.4.3.1 Aerosol Paints and coatings. Aerosol paints and coatings shall meet the PWMIR Limits for ROC in Section 94522(a)(3) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Sections 94522(c)(2) and (d)(2) of California Code of Regulations, Title 17, commencing with Section 94520; and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight of produc limits of Regulation 8 Rule 49.

COATING CATEGORY	CURRENT VOC LIMIT
SPECIALTY COATINGS	
ALUMINUM ROOF COATINGS	400
BASEMENT SPECIALTY COATINGS	400
BITUMINOUS ROOF COATINGS	50
BITUMINOUS ROOF PRIMERS	350
BOND BREAKERS	350
CONCRETE CURING COMPOUNDS	350
CONCRETE/MASONRY SEALERS	100
DRIVEWAY SEALERS	50
DRY FOG COATINGS	150
FAUX FINISHING COATINGS	350
FIRE RESISTIVE COATINGS	350
FLOOR COATINGS	100
FORM-RELEASE COMPOUNDS	250
GRAPHIC ARTS COATINGS (SIGN PAINTS)	500
HIGH-TEMPERATURE COATINGS	420
INDUSTRIAL MAINTENANCE COATINGS	250
LOW SOLIDS COATINGS1	120
MAGNESITE CEMENT COATINGS	450
MASTIC TEXTURE COATINGS	100
METALLIC PIGMENTED COATINGS	500
MULTICOLOR COATINGS	250
PRETREATMENT WASH PRIMERS	420
PRIMERS, SEALERS, & UNDERCOATERS	100
REACTIVE PENETRATING SEALERS	350
RECYCLED COATINGS	250
ROOF COATINGS	50
RUST PREVENTATIVE COATINGS	250
SHELLACS:	
CLEAR	730
OPAQUE	550
SPECIALTY PRIMERS, SEALERS & UNDERCOATERS	100
STAINS	250
STONE CONSOLIDANTS	450
SWIMMING POOL COATINGS	340
TRAFFIC MARKING COATINGS	100
TUB & TILE REFINISH COATINGS	420
WATERPROOFING MEMBRANES	250
WOOD COATINGS	275
WOOD PRESERVATIVES	350

2. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS ARE LISTED IN SUBSEQUENT COLUMNS IN 3. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD,

ARCHITECTURAL COATINGS SUGGESTED CONTROL MEASURE, FEB. 1, 2008. MORE INFORMATION IS AVAILABLE FROM THE AIR RESOURCES BOARD.

5.504.4.3.2 Verification. Verification of compliance with this section shall be provided at the request of the enforcing agency. Documentation may include, but is not limited to, the following: . Manufacturer's product specification Field verification of on-site product containers

5.504.4.4 Carpet Systems.

All carpet installed in the building interior shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers." Version 1.2, January 2017 (Emission testing method for California

See California Department of Public Health's website for certification programs and testing labs. https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material

5.504.4.4.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, "Version 1.2, January 2017 (Emission testing method for California Specifications

See California Department of Public Health's website for certification programs and testing labs. https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material

5.504.4.4.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 5.504.4.1.

5.504.4.5 Composite wood products. Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the buildings shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure (ATCM) for Composite Wood (17 CCR 93120 e seq.). Those materials not exempted under the ATCM must meet the specified emission limits, as shown in

5.504.4.5.3 Documentation. Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following: Product certifications and specifications.

Chain of custody certifications.

Product labeled and invoiced as meeting the Composite Wood Products regulation (see CCR, Title 17, Section 93120, et seq.).

4. Exterior grade products marked as meeting the PS-1 or PS-2 standards of the Engineered Wood Association, the Australian AS/NZS 2269 or European 636 3S

TABLE 5.504.4.5 - FORMALDEHYDE LIMITS

Other methods acceptable to the enforcing agency.

PRODUCT	CURRENT LIMIT				
HARDWOOD PLYWOOD VENEER CORE	0.05				
HARDWOOD PLYWOOD COMPOSITE CORE	0.05				
PARTICLE BOARD 0.09 MEDIUM DENSITY FIBERBOARD 0.11					
1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED B' TOXICS CONTROL MEASURE FOR COMPOSITE WOOD AS TESTED IN ADDITIONAL INFORMATION, SEE CALIFORNIA CODE OF REGULATION	ACCORDANCE WITH ASTM E 1333. FOR				
2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNES	S OF 5/16 INCHES (8 MM).				

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5.504.4.6 Resilient flooring systems. Where resilient flooring is installed, at least 80 percent of floor area receiving resilient flooring shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specifications

See California Department of Public Health's website for certification programs and testing labs. https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material

5.504.4.6.1 Verification of compliance. Documentation shall be provided verifying that resilient flooring materials meet the pollutant emission limits.

5.504.4.7 Thermal insulation Comply with the requirements of the California Department of Public Health, "Standard Method of the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, "Version 1.2, January 1.2, January 2017 (Emission testing method for California Specification 01350). See California Department of Public Health's website for certification programs and testing labs. https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material

5.504.4.7.1 Verification of compliance Documentation shall be provided verifying that thermal insulation materials meet the pollutant emission

5.504.4.8 Acoustical ceiling and wall panels.

Comply with the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, Version 1.2, January 2017 (Emission testing method for California Specification 01350). See California Department of Public Health's website for certification programs and testing labs

5.504.4.8.1 Verification of compliance. Documentation shall be provided verifying that acoustical finish materials meet the pollutant emission limits.

5.504.5.3 Filters. In mechanically ventilated buildings, provide regularly occupied areas of the building with air filtration media for outside and return air that provides at least a Minimum Efficiency Reporting Value (MERV) o 13. MERV 13 filters shall be installed prior to occupancy, and recommendations for maintenance with filters of

Exceptions: Existing mechanical equipment.

the same value shall be included in the operation and maintenance manual.

5.504.5.3.1 Labeling. Installed filters shall be clearly labeled by the manufacturer indicating the MERV

5.504.7 ENVIRONMENTAL TOBACCO SMOKE (ETS) CONTROL. Where outdoor areas are provided for smoking, prohibit smoking within 25 feet of building entries, outdoor air intakes and operable windows and within the building a already prohibited by other laws or regulations; or as enforced by ordinances, regulations or policies of any city, county, city and county, California Community College, campus of the California State University, or campus of the University of California, whichever are more stringent. When ordinances, regulations or policies are not in place, post signage to inform building occupants of the prohibitions.

SECTION 5.505 INDOOR MOISTURE CONTROL

5.505.1 INDOOR MOISTURE CONTROL. Buildings shall meet or exceed the provisions of California Building Code, CCR, Title 24, Part 2, Sections 1202 (Ventilation) and Chapter 14 (Exterior Walls). For additional measures, see Section 5.407.2 of this code.

SECTION 5.506 INDOOR AIR QUALITY

5.506.1 OUTSIDE AIR DELIVERY. For mechanically or naturally ventilated spaces in buildings, meet the minimum requirements of Section 120.1 (Requirements For Ventilation) of the California Energy Code, or the applicable local code, whichever is more stringent, and Division 1, Chapter 4 of CCR. Title 8,

5.506.2 CARBON DIOXIDE (CO2) MONITORING. For buildings or additions equipped with demand control ventilation, CO2 sensors and ventilation controls shall be specified and installed in accordance with the requirements of the California Energy Code, Section 120(c)(4).

5.506.3 Carbon dioxide (CO2) monitoring in classrooms. (DSA-SS) Each public K-12 school classroom, as listed in Table 120.1-A of the California Energy Code, shall be

equipped with a carbon dioxide monitor or sensor that meets the following requirements: The monitor or sensor shall be permanently affixed in a tamper-proof manner in each classroom between 3 and 6 feet (914 mm and 1829 mm) above the floor and at least 5 feet (1524 mm) away from door and operable

When the monitor or sensor is not integral to an Energy Management Control System (EMCS), the monitor or sensor shall display the carbon dioxide readings on the device. When the sensor is integral to an EMCS, the carbon dioxide readings shall be available to and regularly monitored by facility personnel. A monitor shall provide notification though a visual indicator on the monitor when the carbon dioxide levels in the classroom have exceeded 1,100ppm. A sensor integral to an EMCS shall provide notification to facility

personnel through a visual and/or audible indicator when the carbon dioxide levels in the classroom have exceeded 1.100ppm. The monitor or sensor shall measure carbon dioxide levels at minimum 15- minute intervals and shall maintain a record of previous carbon dioxide measurements of not less than 30 days duration.

The monitor or sensor used to measure carbon dioxide levels shall have the capacity to measure carbon dioxide levels with a range of 400ppm to 2000ppm or greater.

The monitor or sensor shall be certified by the manufacturer to be accurate within 75ppm at 1.000ppm carbon dioxide concentration and shall be certified by the manufacturer to require calibration no more frequently than once every 5 years.

SECTION 5.507 ENVIRONMENTAL COMFORT

5.507.4 ACOUSTICAL CONTROL. Employ building assemblies and components with Sound Transmission Class (STC) values determined in accordance with ASTM E 90 and ASTM E 413, or Outdoor-Indoor Sound Transmission Class (OITC) determined in accordance with ASTM E 1332, using either the prescriptive or performance method in Section 5.507.4.1 or 5.507.4.2.

Exception: Buildings with few or no occupants or where occupants are not likely to be affected by exterior noise, as determined by the enforcement authority, such as factories, stadiums, storage, enclosed parking structures and utility buildings.

Exception: [DSA-SS] For public schools and community colleges, the requirements of this section and all subsections apply only to new construction.

5.507.4.1 Exterior noise transmission, prescriptive method. Wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall meet a composite STC rating of at least 50 or a composite OITC rating of no less than 40, with exterior windows of a minimum STC of 40 or OITC of 30 in the following locations:

Within the 65 CNEL noise contour of an airport.

- 1. Lan or CNEL for military airports shall be determined by the facility Air Installation Compatible
- 2. Ldn or CNEL for other airports and heliports for which a land use plan has not been developed shall be determined by the local general plan noise element.
- 2. Within the 65 CNEL or Ldn noise contour of a freeway or expressway, railroad, industrial source or ixed-guideway source as determined by the Noise Element of the General Plan.

noise level of 65 dB L_{eq} - 1-hr during any hour of operation shall have building, addition or alteration exterior wall and roof-ceiling assemblies exposed to the noise source meeting a composite STC rating of at least 45 (or OITC 35), with exterior windows of a minimum STC of 40 (or OITC 30).

5.507.4.1.1. Noise exposure where noise contours are not readily available. Buildings exposed to a

5.507.4.2 Performance Method. For buildings located as defined in Section 5.507.4.1 or 5.507.4.1.1, wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall be constructed to provide an interior noise environment attributable to exterior sources that doe not exceed an hourly equivalent noise level (Leq-1Hr) of 50 dBA in occupied areas during any hour of operation

5.507.4.2.1 Site Features. Exterior features such as sound walls or earth berms may be utilized as appropriate to the building, addition or alteration project to mitigate sound migration to the interior.

5.507.4.2.2 Documentation of Compliance. An acoustical analysis documenting complying interior sound levels shall be prepared by personnel approved by the architect or engineer of record.

5.507.4.3 Interior sound transmission. Wall and floor-ceiling assemblies separating tenant spaces and tenant spaces and public places shall have an STC of at least 40.

Note: Examples of assemblies and their various STC ratings may be found at the California Office of Noise Control: www.toolbase.org/PDF/CaseStudies/stc_icc_ratings.pdf.

SECTION 5.508 OUTDOOR AIR QUALITY 5.508.1 Ozone depletion and greenhouse gas reductions. Installations of HVAC, refrigeration and fire suppression

equipment shall comply with Sections 5.508.1.1 and 5.508.1.2. 5.508.1.1 Chlorofluorocarbons (CFCs). Install HVAC, refrigeration and fire suppression equipment that do not

5.508.1.2 Halons. Install HVAC, refrigeration and fire suppression equipment that do not contain Halons.

.508.2 Supermarket refrigerant leak reduction. New commercial refrigeration systems shall comply with the provisions of this section when installed in retail food stores 8.000 square feet or more conditioned area, and that utilize either refrigerated display cases, or walk-in coolers or freezers connected to remote compressor units or condensing units. The leak reduction measures apply to refrigeration systems containing high-global-warming potentia (high-GWP) refrigerants with a GWP of 150 or greater. New refrigeration systems include both new facilities and the replacement of existing refrigeration systems in existing facilities.

Exception: Refrigeration systems containing low-global warming potential (low-GWP) refrigerant with a GWP value less than 150 are not subject to this section. Low-GWP refrigerants are nonozone-depleting refrigerants that include ammonia, carbon dioxide (CO₂), and potentially other refrigerants.

5.508.2.1 Refrigerant piping. Piping compliant with the California Mechanical Code shall be installed to be accessible for leak protection and repairs. Piping runs using threaded pipe, copper tubing with an outside diameter (OD) less than 1/4 inch, flared tubing connections and short radius elbows shall not be used in refrigerant systems except as noted below.

5.508.2.1.1 Threaded pipe. Threaded connections are permitted at the compressor rack.

5.508.2.1.2 Copper pipe. Copper tubing with an OD less than 1/4 inch may be used in systems with a refrigerant charge of 5 pounds or less.

5.508.2.1.2.1 Anchorage. One-fouth-inch OD tubing shall be securely clamped to a rigid base to

5.508.2.1.3 Flared tubing connections. Double-flared tubing connections may be used for pressure **Exception:** Single-flared tubing connections may be used with a multiring seal coated with

industrial sealant suitable for use with refrigerants and tightened in accordance with manufacturer's

5.508.2.1.4 Elbows. Short radius elbows are only permitted where space limitations prohibit use of long radius elbows.

5.508.2.2 Valves. Valves Valves and fittings shall comply with the California Mechanical Code and as

5.508.2.2.1 Pressure relief valves. For vessels containing high-GWP refrigerant, a rupture disc shall

be installed between the outlet of the vessel and the inlet of the pressure relief valve. **5.508.2.2.1.1 Pressure detection.** A pressure gauge, pressure transducer or other device shall be installed in the space between the rupture disc and the relief valve inlet to indicate a disc

rupture or discharge of the relief valve. 5.508.2.2.2 Access valves. Only Schrader access valves with a brass or steel body are

5.508.2.2.2.1 Valve caps. For systems with a refrigerant charge of 5 pounds or more, valve caps

5.508.2.2.2.2 Seal caps. If designed for it, the cap shall have a neoprene O-ring in place. **5.508.2.2.2.1 Chain tethers.** Chain tethers to fit ovr the stem are required for valves

Exception: Valves with seal caps that are not removed from the valve during stem

5.508.2.3 Refrigerated service cases. Refrigerated service cases holding food products containing vinegar and salt shall have evaporator coils of corrosion-resistant material, such as stainless steel; or be coated to prevent corrosion from these substances

5.508.2.3.1 Coil coating. Consideration shall be given to the heat transfer efficiency of coil coating to maximize energy efficiency.

5.508.2.4 Refrigerant receivers. Refrigerant receivers with capacities greater than 200 pounds shall be fitted with a device tha indicates the level of refrigerant in the receiver. **5.508.2.5 Pressure testing.** The system shall be pressure tested during installation prior to evacuation and

5.508.2.5.1 Minimum pressure. The system shall be charged with regulated dry nitrogen and

appropriate tracer gas to bring system pressure up to 300 psig minimum. 5.508.2.5.2 Leaks. Check the system for leaks, repair any leaks, and retest for pressure using the same

5.508.2.5.3 Allowable pressure change. The system shall stand, unaltered, for 24 hours with no more

than a +/- one pound pressure change from 300 psig, measured with the same gauge. **5.508.2.6 Evacuation.** The system shall be evacuated after pressure testing and prior to charging.

5.508.2.6.1 First vacuum. Pull a system vacuum down to at least 1000 microns (+/- 50 microns), and

5.508.2.6.2 Second vacuum. Pull a second system vacuum to a minimum of 500 microns and hold for 30

5.508.2.6.3 Third vacuum. Pull a third vacuum down to a minimum of 300 microns, and hold for 24 hours

with a maximum drift of 100 microns over a 24-hour period.

INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS

702.1 INSTALLER TRAINING. HVAC system installers shall be trained and certified in the proper installation of HVAC systems including ducts and equipment by a nationally or regionally recognized training or certification program. Uncertified persons may perform HVAC installations when under the direct supervision and responsibility of a person trained and certified to install HVAC systems or contractor licensed to install HVAC systems Examples of acceptable HVAC training and certification programs include but are not limited to the following:

- State certified apprenticeship programs. Public utility training programs.
- Training programs sponsored by trade, labor or statewide energy consulting or verification organizations.

Programs sponsored by manufacturing organizations. 5. Other programs acceptable to the enforcing agency.

702.2 SPECIAL INSPECTION [HCD]. When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition to other certifications or qualifications acceptable to the enforcing agency, the following certifications or education may be considered by the enforcing agency when evaluating the qualifications of a special inspector:

- Certification by a national or regional green building program or standard publisher. 2. Certification by a statewide energy consulting or verification organization, such as HERS raters, building performance contractors, and home energy auditors.
- Successful completion of a third party apprentice training program in the appropriate trade. 4. Other programs acceptable to the enforcing agency.

I. Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code. . HERS raters are special inspectors certified by the California Energy Commission (CEC) to rate homes in California according to the Home Energy Rating System (HERS

[BSC-CG] When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition, the special inspector shall have a pertification from a recognized state, national or international association, as determined by the local agency. The area of certification shall be closely related to the primary job function, as determined by the local agency.

Note: Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.

703 VERIFICATIONS

703.1 DOCUMENTATION. Documentation used to show compliance with this code shall include but is not limited to, construction documents, plans, specifications, builder or installer certification, inspection reports, or other methods acceptable to the enforcing agency which demonstrate substantial conformance. When specific documentation or special inspection is necessary to verify compliance, that method of compliance will be specified in the appropriate section or identified applicable checklist.

SHEET NAME

Ben Hamed, AM.ASCE, AIA DESIGNER ENGINEER **ACC & ENGINEERING** 1130 N KRAEMER BLVD #I ANAHEIM, CA 92806 714-844-2140 Ben@accandengineering.com www.accandengineering.com

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professional



CONTRACTOR TO PULL PERMIT AFTER APPROVAL OF PLANS AMERICAN CONSTRUCTION COMPANY 1130 N KRAEMER BLVD #I ANAHEIM, CA 92806 LIC#1073807

PROJECT NAME LOCATION

AUTHORITY HAVING JURISDICTION (AHJ) **BUILDING DEPARTMENT | CITY OF CORONA**

REVISION SCHEDULE

SEQUENCE DESCRIPTION DATE

REVISION REVISION REVISION

ENGINEER OF RECORD REVIEWED BY SEAL / STAMP THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER IS THE LEGAL REPRESENTATION THAT THIS ENGINEERING DRAWINGS. PLANS. AND SPECIFICATIONS WERE PREPARED EITHER BY THE PROFESSIONAL ENGINEER OR ANY OF ACC & ENGINEERING FIRM DESIGNERS WHO WERE UNDER THE RESPONSIBLE CHARGE (DIRECT CONTROL AND PERSONAL SUPERVISION) OF

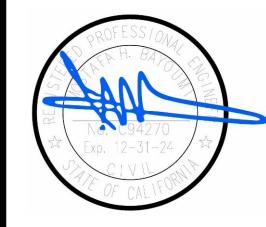
THE PROFESSIONAL ENGINEER. IT FURTHER

CERTIFIES THAT THE WORK PERFORMED WAS

DONE COMPETENTLY, MEETS THE

PROFESSIONAL STANDARD OF CARE, AND IS IN

ACCORDANCE WITH ACCEPTED STANDARDS OF



SHEET NUMBER

GR-03

STANDARDS



PARKING STALL DETAIL KEY NOTES

1 (EXISTING) 70 SQUARE INCH ACCESSIBILITY SIGN REFLECTORIZED AND MOUNTED WITH THE BOTTOM 80" MIN A.F.G. AND CONSISTING OF THE INTERNATIONAL SYMBOL OF ACCESSIBILITY IN WHITE ON A DARK BLUE BACKGROUND WITH ADDITIONAL LANGUAGE BELOW THE SYMBOL STATING "MINIMUM FINE \$250".

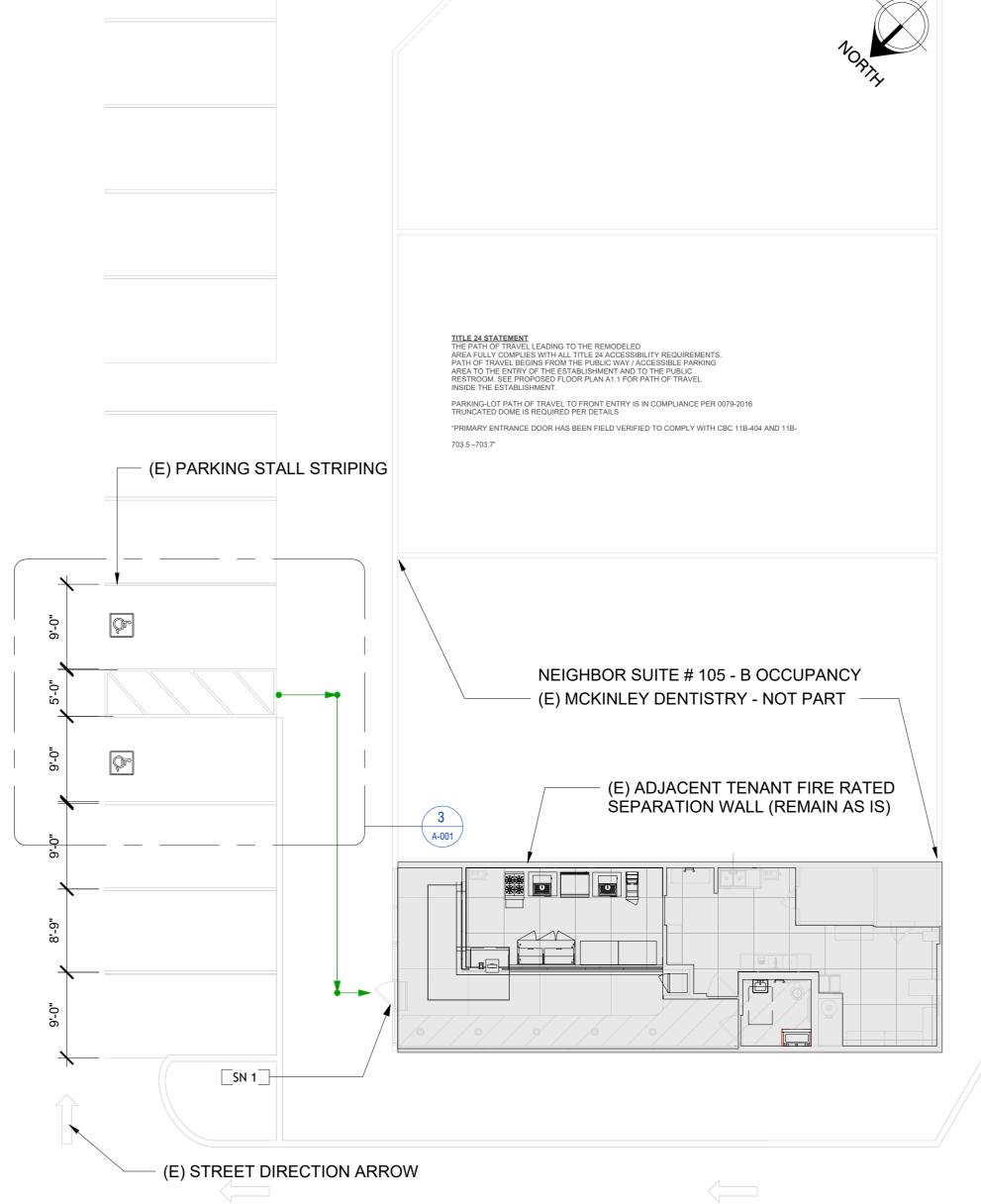
2 (EXISTING) 70 SQUARE INCH ACCESSIBILITY SIGN REFLECTORIZED AND CONSISTING OF THE INTERNATIONAL SYMBOL OF ACCESSIBILITY IN WHITE ON A DARK BLUE BACKGROUND WITH ADDITIONAL LANGUAGE BELOW THE SYMBOL STATING "MINIMUM FINE \$250". BELOW THIS SIGN SHALL BE AN ADDITIONAL SIGN STATING "VAN ACCESSIBLE"—THE LOWEST SIGN SHALL BE MOUNTED WITH THE BOTTOM 80" MIN A.F.G.

3 (EXISTING) AN ADDITIONAL SIGN SHALL BE POSTED EITHER, IN A CONSPICUOUS PLACE, AT EACH ENTRANCE TO OFF-STREET PARKING FACILITY, OR IMMEDIATELY ADJACENT TO ON-SITE ACCESSIBLE PARKING AND VISIBLE FROM EACH STALL OR SPACE. THE SIGN SHALL BE NOT LESS THAN 17 " BY 22" IN SIZE WITH LETTERING NOT LESS THAN 1" IN HEIGHT, WHICH CLEARLY AND CONSPICUOUSLY STATES THE FOLLOWING (11B-502.8) "UNAUTHORIZED VEHICLES PARKED IN DESIGNATED ACCESSIBLE SPACES NOT DISPLAYING DISTINGUISHING PLACARDS OR SPECIAL LICENSE PLATES

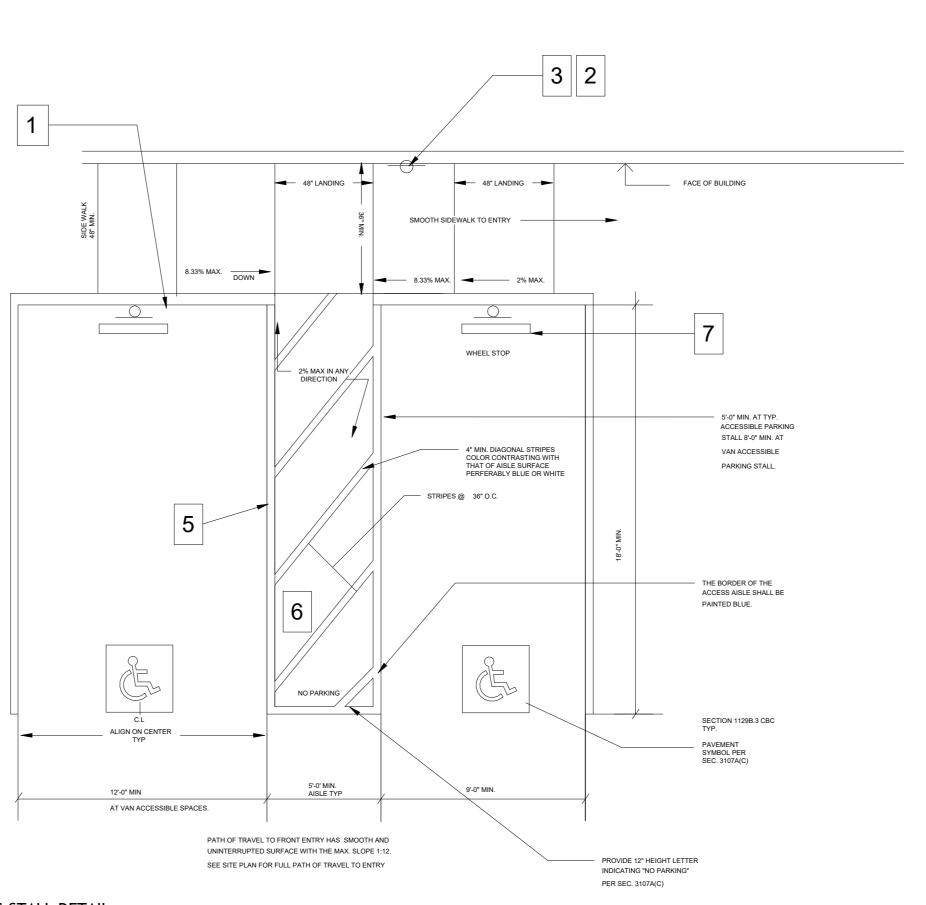
ISSUED FOR PERSONS WITH DISABILITIES WILL BE TOWED AWAY AT OWNER 'S EXPENSE. TOWED VEHICLES MAY BE RECLAIMED BY TELEPHONING THE POLICE DEPT. (ADD CITY'S NUMBER)

- 5 (EXISTING) ACCESS AISLE OUTLINE IN BLUE WITH DIAGONAL HATCH MARKINGS AT 30 " MAX ON CENTER IN EITHER BLUE OR WHITE
- 6 (EXISTING) "NO PARKING" STENCILED IN WHITE 12" MIN. HIGH LETTERS.

7 (EXISTING) WHEEL STOPS OR CURB SHALL BE PROVIDED IF REQUIRED TO PREVENT ENCROACHMENT OF VEHICLES OVER THE REQUIRED CLEAR WIDTH OF ADJACENT ACCESSIBLE ROUTES PER 11B-502.7.2. REFER TO LOCAL ORDINANCES FOR SPECIFIC DIMENSION REQUIREMENTS.



2 ENLARGED SITE PLAN
1" = 10'-0"



2022 CBC Table 11B-6

EXISTING PARKING 1	FABULATION	
TOTAL (E) STANDARD PARKING STALLS IN LOT	452 STALLS	COMPLIANCE
STANDARD (E) PARKING STALLS DIMENSION	(9-0" x 18'-0") @ 90°	COMPLIES
TOTAL (E) H/C PARKING STALLS	16 HANDICAP STALLS	COMPLIES
TOTAL (E) H/C VAN ACCESSIBLE STALLS	9 VAN ACCESSIBLE	COMPLIES
(E) VAN PARKING STALLS DIMENSION	(12'-0" x 18'-0") @ 90°	COMPLIES

1- TOTAL 9 ACCESSIBLE PARKING STALLS AND (2 VAN ACCESS STALLS) REQUIRED PER 2022 CALIFORNIA BUILDING CODE SECTION 1129B TITLE 24 ACCESSIBLE PARKING REQUIREMENT.

2- SEE PARKING STALLS DETAIL FOR MORE INFO.

SITE PLAN LEGEND

EXISTING BUILDING(S) REMODEL WORK EXISTING BUILDING(S) NO WORK PROPERTY LINE EXISTING BARRIER FREE PATH OF TRAVEL FEATURE & ACCESSIBLE FEATURE CALLOUT

SHEET NOTES (SN)

KEYNOTE TAG	KEYNOTE DESCRIPTION
	MAIN ENTRANCE 1) FIELD VERIFY COMPLIANCE OF FOLLOWING ELEMENTS OF DISABLED ACCESS WITH REQUIREMENTS IN CBC CHAPTER 11B.
SN 1	A) PRIMARY ENTRANCE DOOR (11B-404 AND 11B-703.5-11B-703.7) B) PATH OF TRAVEL FROM PARKING SPACE ACCESS AISLE TO TH

C) ACCESSIBLE PARKING SPACE AND LOADING ZONE (11B-502

PUBLIC SIDEWALK (11B-403).

SITE PLAN GENERAL NOTES

THIS PROJECT'S MAIN SCOPE OF WORK IS ALL INTERIOR CONSTRUCTION WORK, HOWEVER IN THE EVENT OF ANY REQUIRED WORK OUTSIDE ARISES, CONTRACTOR TO FOLLOW THESE NOTES & TO COORDINATE CLOSELY WITH THE PROJECT'S DESIGNER TO MAINTAIN THE HIGHEST GRADE OF COMPLIANCE AND QUALITY THROUGHT THE PROJECT'S PERIOD.

FOR TYPICAL SYMBOLS AND ABBREVIATIONS, SEE SHEET G001.

- ALL ITEMS SHOWN OR NOTED ARE EXISTING, UNLESS INDICATED OTHERWISE AS
- PER LOGESTICS PLAN, CONTRACTOR TO PROVIDE TEMPORARY 6' HIGH CHAINLINK FENCE AROUND ANY EXTERIOR COMPONENT RELATED TO THE PROJEC'TS CONSTRUCTION, SUCH AS (TEMPORARY TOILETS, DUMPSTER, MATERIALS STAGING AREA.
- WHERE REMOVAL OF CONCRETE WALKS, MOWSTRIPS, CURBS AND GUTTERS IS REQUIRED TO INSTALL UNDERGROUND UTILITIES, REMOVE THE CONCRETE WORK TO THE NEAREST EXISTING EXPANSION OR CONTROL JOINT (SAWCUT IF REQUIRED). MOWSTRIPS, CURBS AND GUTTERS MAY BE REMOVED IN MINIMUM LENGTHS OF 6' IF THE DISTANCE BETWEEN EXISTING JOINTS IS 12' OR MORE. REPLACE REMOVED WORK WITH REINFORCED CONCRETE TO MATCH ADJACENT EXISTING WORK IN PROFILE, JOINT LAYOUT AND FINISH.
- COORDINATE THE REMOVAL, RELOCATION OR MODIFICATION OF EXISTING IRRIGATION LINES (IF NECESSARY) WITH THE OWNER PRIOR TO ANY TRENCHING. CLEARING AND GRUBBING, OR OTHER SITE EXCAVATIONS REQUIRED FOR NEW
- RUN-OFF FROM PETROLEUM PRODUCTS, LIME AND MORTAR, SOIL STERILANTS, AND THE WASHING OF EQUIPMENT USED TO APPLY THESE MATERIALS, IS PROHIBITED WITHIN PLANTED AREAS.
- FOR SITE REPAIR WORK NOT SHOWN ON ARCHITECTURAL PLANS, SEE ELECTRICAL, PLUMBING AND MECHANICAL SITE PLANS.
- 10. REPAIR ASPHALT PARKING LOTS, SPEED BUMPS AND PAINTED CROSSWALKS DAMAGED BY THE EXECUTION OF THIS CONTRACT TO ORIGINAL OR BETTER CONDITION. REPAINT CROSSWALKS AND SPEED BUMP STRIPING THEIR FULL LENGTHS ACROSS ROADWAYS.
- 11. MAXIMUM SLOPE ON NON-RAMPED CONCRETE IS 5% IN THE DIRECTION OF TRAVEL AND 2% CROSS-SLOPE.
- 12. ALL UNCERTIFED (E) P.O.T. IN THE PROJECT SCOPE SHALL NOT EXCEED 5% MAXIMUM RUNNING SLOPE AND 2% MAXIMUM CROSS SLOPE UNLESS OTHERWISE NOTED. MAXIMUM SLOPE SHALL NOT EXCEED 2% IN ALL DIRECTIONS WHERE P.O.T. TRAFFIC FLOW IS MULTIDIRECTIONAL, AT CHANGE OF DIRECTIONS, OR IN ANY ACCESSIBLE SPACE OR AREA WITH SLOPES TO DRAINS OR CATCH BASINS, ETC. CONTRACTOR IS TO VERIFY P.O.T. SHOWN IS IN COMPLIANCE, SEE NOTE 19 BELOW.
- 13. ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED, WILL BE REMOVED, OR MODIFIED TO COMPLY WITH CBC SECTION 11B-402 UNDER THIS PROJECT. CONTRACTOR TO NOTIFY ARCHITECT IF ANY BARRIERS ARE DISCOVERED PRIOR TO PROCEEDING WITH WORK.
- 14. PATH OF TRAVEL (P.O.T.) AS INDICATED IS A BARRIER FREE ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEEDS 1/4" VERTICAL AND IS AT LEAST 48" WIDE . SURFACE IS SLIP RESISTANT, STABLE, FIRM AND SMOOTH. CROSS-SLOPE DOES NOT EXCEEDS 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED (11B-403.3). (POT) SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM (11B-307.4) AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80" (11B-307.2) ARCHITECT TO VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED OR WILL BE REMOVED UNDER THIS PROJECT, AND PATH OF TRAVEL COMPLIES WITH CBC 11B-206.
- 15. GRATINGS LOCATED IN THE SURFACE OF ANY PEDESTRIAN WAY IN THE PATH OF TRAVEL, GRID/OPENINGS IN GRATINGS SHALL BE LIMITED TO 1/2" MAXIMUM CLEAR IN THE DIRECTION OF TRAFFIC FLOW. IF SUCH CONDITION OCCURS, PROVIDE MANUFACTURERS CUT-SHEETS REVIEW.

Design | Engineering | Construction

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CONTRACTOR CONTRACTOR TO PULL PERMIT AFTER APPROVAL OF PLANS AMERICAN CONSTRUCTION COMPANY 1130 N KRAEMER BLVD #I

> ANAHEIM, CA 92806 LIC#1073807

PROJECT NAME LOCATION OWNER

2

AUTHORITY HAVING JURISDICTION (AHJ) **BUILDING DEPARTMENT | CITY OF CORONA**

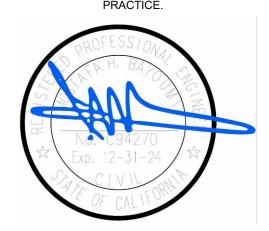
REVISION SCHEDULE

REVISION REVISION SEQUENCE DESCRIPTION DATE

> ENGINEER OF RECORD REVIEWED BY SEAL / STAMP

THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER IS THE LEGAL REPRESENTATION THAT THIS ENGINEERING DRAWINGS, PLANS, AND SPECIFICATIONS WERE PREPARED EITHER BY THE PROFESSIONAL ENGINEER OR ANY OF ACC 8 ENGINEERING FIRM DESIGNERS WHO WERE UNDER THE RESPONSIBLE CHARGE (DIREC' CONTROL AND PERSONAL SUPERVISION) OF THE PROFESSIONAL ENGINEER. IT FURTHER CERTIFIES THAT THE WORK PERFORMED WAS DONE COMPETENTLY, MEETS THE PROFESSIONAL STANDARD OF CARE, AND IS I

ACCORDANCE WITH ACCEPTED STANDARDS OF



SHEET NAME OVERALL SITE PLAN

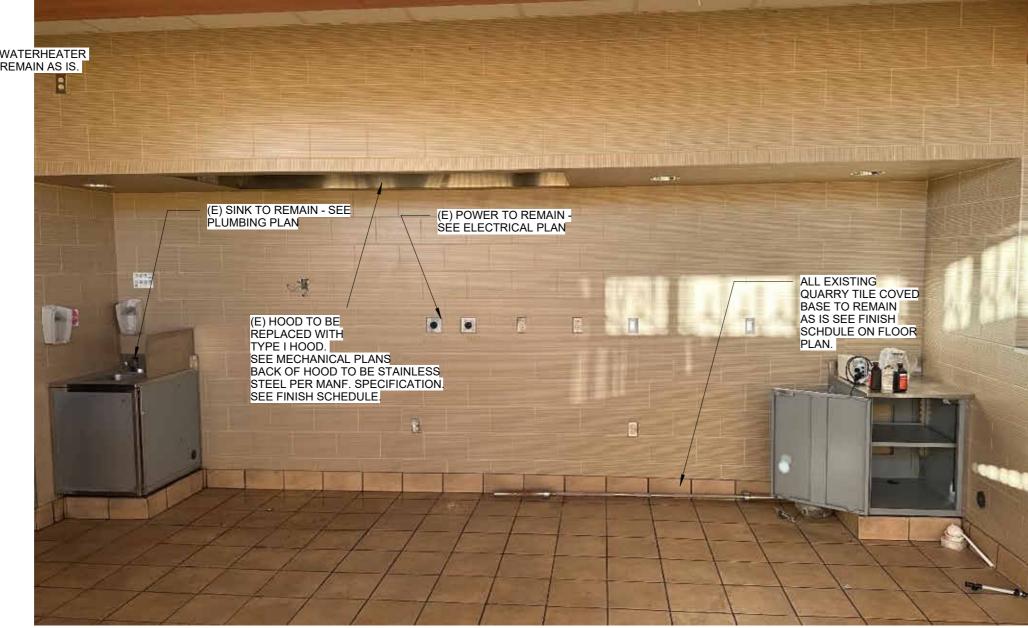
SHEET NUMBER

A-001

> PARKING STALL DETAIL **6" = 1'-0"**

PLEASE NOTE: ALL PICTURES SHOWN ON THIS SHEET ARE EXISTING ITEMS AND ARE FOR REFERENCE OLY AND NOT INTENTED TO BE MORE THAN GUIDE OR REFERENCE TO SHOW THE EXISTING ITEMS. REFER TO FLOOR PLANS, ELEVATION, SECTIONS FOR ARCHITECTURAL. PLUMBING, MECHANICAL & ELECTRICAL SHEETS FOR MORE INFO.





(E) WALL SHOULDER

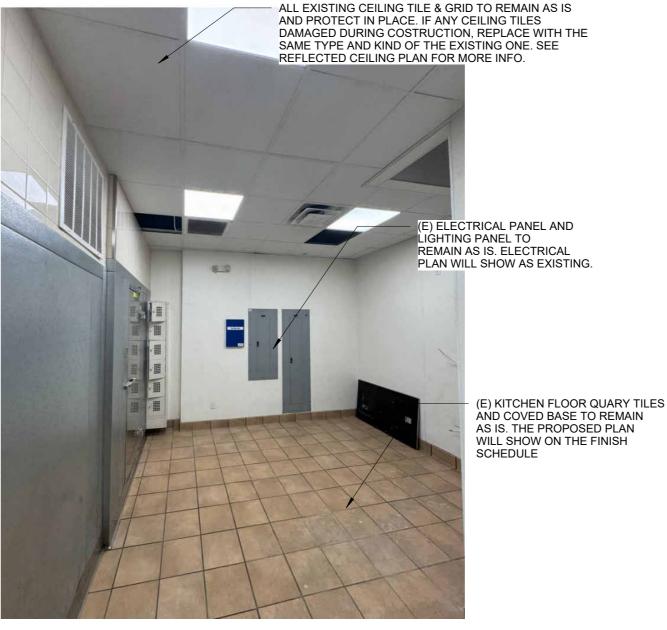
SCHEDULE.

RÉMAIN AS IS. REMOVE

SIDE AND INSTALL STAINLESS

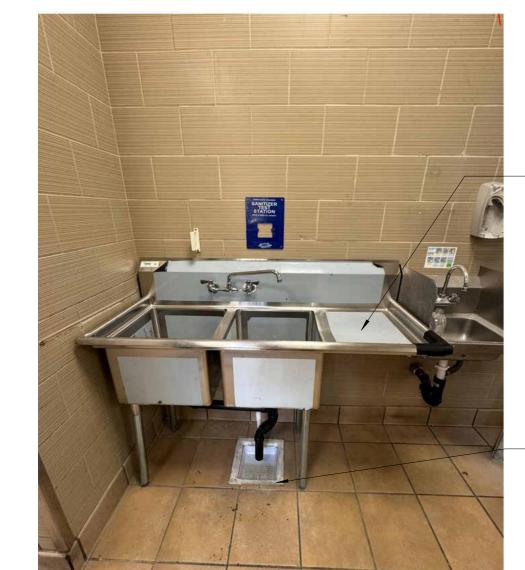
BE FINISHED PER ROOM FINISH

TILE FROM EMPLOYEE



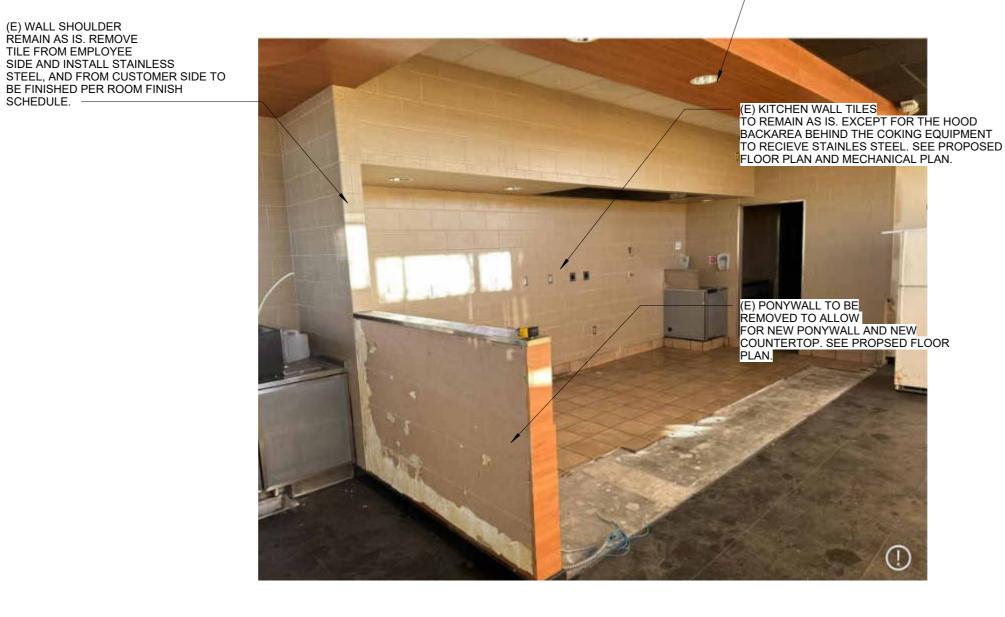
(E) SOFFIT TO REMAIN AS IS. EXISTING LIGHT FIXTURES

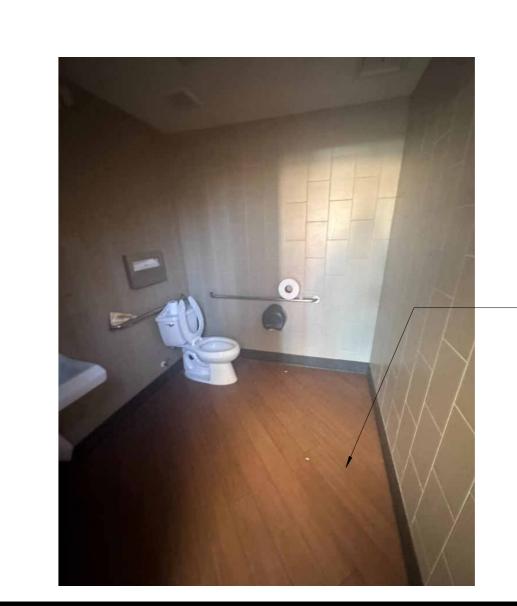
TO REMAIN AS IS. SEE REFLECTED CEILING PLAN AND LIGHTING PLAN.



(E) TWO COMP. PREP SINK TO REMAIN ÀŚ IS SEE PLUMBING

(E) FLOOR SINK TO REMAIN AS IS. SEE PLUMBING PLANS.



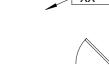


(E) UNISEXROOM TO REMAIN AS IS, SEE ENLARGED RESTROOM DETAIL. SEE TOILET ACCESSORIES DETAILS FOR ADA COMPLIANCE.

EXISTING FLOOR PLAN LEGEND

EXISTING WALLS TO REMAIN AS IS

SHEET NOTES



EXISTING DOOR TO REMAIN AS IS.

EXISTING COUNTERTOP TO BE REMOVED

EXISTING PLAN GENERAL NOTES

- CONTRACTOR TO VERIFY ALL ITEMS NOTED ON THE PLANS ARE EXISTING AND NOTIFY THE ENGINEER/ARCHITECT OF ANY DISCREPANCY.
- THE DEMOLITION EXTENT INCLUDES ANY AND ALL ITEMS NECESSARY TO COMPLETE THE WORK
- ANY DISCREPANCIES BETWEEN THE PLANS & FIELD CONDITIONS THAT ARE DISCOVERED ARE TO BE BROUGHT TO THE ENGINEER'S ATTENTION FOR FURTHER DIRECTIONS.
- PROTECT IN PLACE ALL EXISTING POWER AND DATA OUTLETS AND WALL THERMOSTATS.
- PROTECT IN PLACE ALL EXISTING IDF BOXES.

PLUMBING BELOW PATCH OF FLOOR SLAB.

- SCRAPE LOOSE WALL PAINT, REMOVE TAPE AND STAPLES FROM WALLS, PATCH HOLES, CAULK SURFACE CRACKS AND PREPARE WALLS FOR NEW PAINT.
- REMOVE ALL SOAP AND TOWEL DISPENSERS, MIRRORS, OLD PLUMBING FIXTURES, COMPONENTS, FILES CABINET AND OTHER MISC. EQUIPMENT FROM THE EXISTING ROOMS THAT WILL BE AFFECTED AS SHOW ON THE PLANS (U.N.O.).
- PROTECT FINISH MATERIALS AGAINST DAMAGE AT ALL TIMES.
- DEMOLITION CONTRACTOR IS RESPONSIBLE TO MAINTAIN THE CONSTRUCTION FIRE ASSEMBLY RATING FOR ALL EXISTING RATED WALL ASSEMBLIES, ROOF ASSEMBLIES AND/OR SHAFTS.
- ANY EXISTING FINISHED SURFACES TO REMAIN THAT ARE AFFECTED BY SELECTIVE DEMOLITION SHALL BE PATCHED TO MATCH EXISTING ADJACENT SURFACES UNLESS CONCEALED BY NEW
- ALL DOORS AND HARDWARE TO REMAIN UNLESS NOTED OTHERWISE IN THE DOOR AND FRAME
- REFER TO MECHANICAL DRAWINGS FOR ALL MECHANICAL BEING REMOVED, RELOCATED OR ABANDONED. CUT AND PATCH FLOOR AS REQUIRED FOR ALL NEW MECHANICAL. CAP ABANDONED MECHANICAL BELOW PATCH OF FLOOR SLAB.
- VERIFY ALL MODIFICATIONS OF HVAC AND PLUMBING WITH MECHANICAL DRAWINGS.
- REFER TO PLUMBING DRAWINGS FOR ALL PLUMBING BEING REMOVED, RELOCATED OR ABANDONED. CUT AND PATCH FLOOR AS REQUIRED FOR NEW PLUMBING. CAP ABANDONED
- REFER TO ELECTRICAL DRAWINGS FOR ALL ELECTRICAL BEING REMOVED, RELOCATED OR
- ABANDONED CUT AND PATCH FLOOR AS REQUIRED FOR NEW ELECTRICAL.

TOTAL SCOPE OF DEMOLITION MAY NOT BE COVERED ON THIS SHEET, REVIEW ALL SHEETS IN

THOROUGHLY CLEAN BUILDING UPON COMPLETION OF SELECTIVE DEMOLITION.

THE CONSTRUCTION DOCUMENTS TO DETERMINE TOTAL SCOPE OF DEMOLITION.

PROJECT NAME LOCATION

Design | Engineering | Construction

Ben Hamed, AM.ASCE, AIA

DESIGNER ENGINEER

ACC & ENGINEERING 1130 N KRAEMER BLVD #I ANAHEIM, CA 92806

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CONTRACTOR

APPROVAL OF PLANS

AMERICAN CONSTRUCTION

COMPANY 1130 N KRAEMER BLVD #I

ANAHEIM, CA 92806

LIC#1073807

CONTRACTOR TO PULL PERMIT AFTER

2

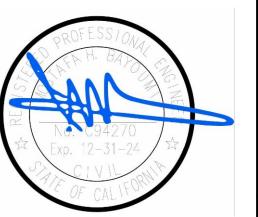
AUTHORITY HAVING JURISDICTION (AHJ) **BUILDING DEPARTMENT | CITY OF CORONA**

REVISION SCHEDULE

REVISION REVISION REVISION SEQUENCE DESCRIPTION DATE

ENGINEER OF RECORD

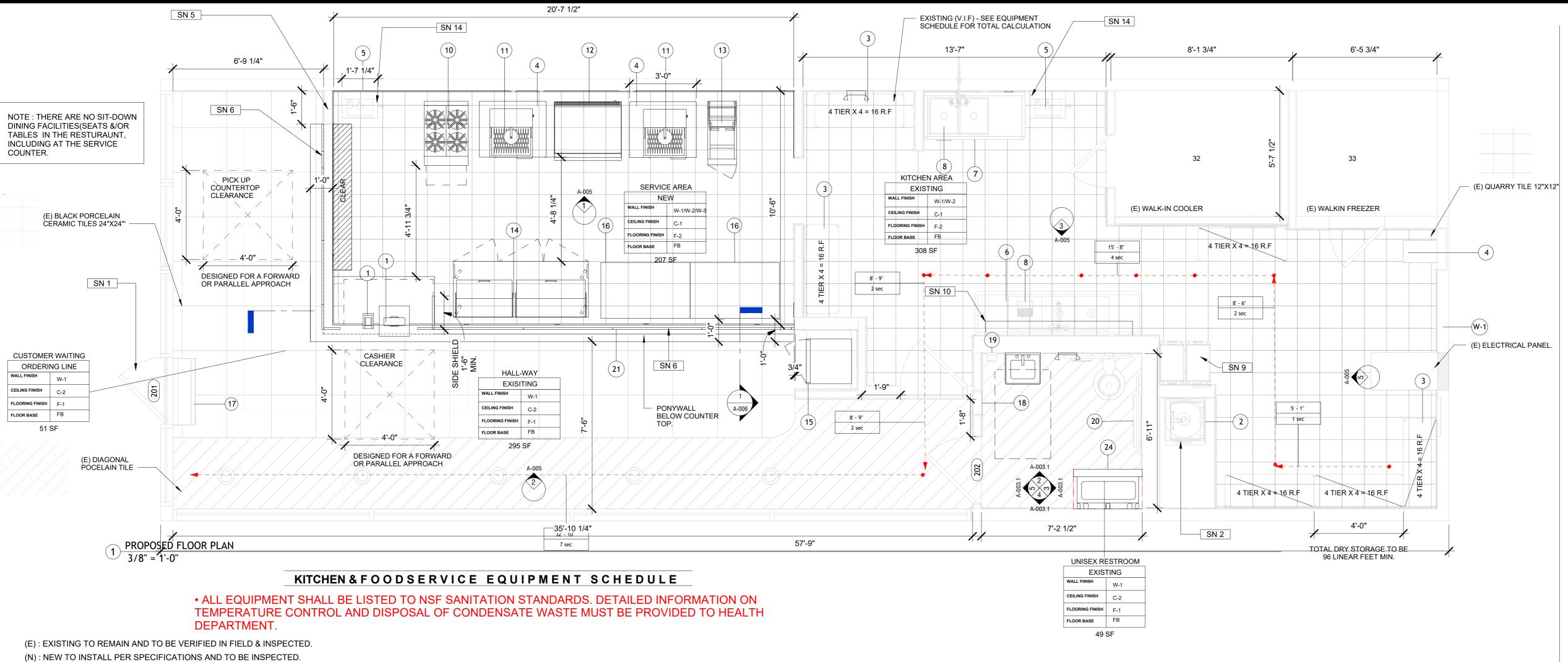
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SHEET NAME **EXISTING CONDITIONS** FLOOR PLAN

SHEET NUMBER

A-002



(N): NEW TO INSTALL PER SPECIFICATIONS AND TO BE INSPECTED.						
	LISTING TYPE	FUNCTION	MARK	DESCRIPTION		

LISTING TYPE	FUNCTION	MARK	DESCRIPTION	MANUFACTURER	MODEL NO.	SIZE (W) X (D) X (H)	REMARKS
UL LISTED	FURNITURE	1	(N) POINT OF SALE / CASH REGISTER	BIMSMITH	VARIES	VARIES	PROVIDE DATA CABLE IN PONYWALL
NSF APPROVED	PLUMBING FIXTURE	2	(E) MOP SINK, MOP RACK & SHELF	ADVANCETABCO	9-OP-20 *	21" X 25" X 10"	WITH MOP RACK K-245 & CHEMICAL SHELF
NSF APPROVED	FURNITURE	3	(N) DRY STORAGE SHELVES (96 L.F)	EAGLE GROUP	1860E-74	18" X 48" X 74"	SEE PLANS FOR SIZES & TIERS / REQ. MIN 96 L.F
NSF APPROVED	FURNITURE	4	(E) ADA LOCKERS	GSW	ELS-5DR-LOCKER	12" X 16" X 77"	INSTALL ON 6" ROUND LEGS
NSF APPROVED	PLUMBING FIXTURE	5	(E) HAND SINK / ADA COMPLIANT	EAGLE GROUP	HSA-10-FWLDP	19.25" x 14.25" x 28"	WITH SPLASH GUARD / SOAP & TOWEL DISPENSER
NSF APPROVED	PLUMBING FIXTURE	6	(E) 3 COMP. SINK W/ 18" DB	GSW	SE18183D	24" X 90" X 45"	D.B LEFT & RIGHT SEE PLUMBING SHEETS
NSF APPROVED	PLUMBING FIXTURE	7	(E) 2 COMP. VEGETABLE PREP SINK	GSW	SE-18182D	24" X 51" X45"	OR EQUAL SEE PLUMBING SHEETS
NSF APPROVED	PLUMBING FIXTURE	8	(E) FLOOR SINK	REFER TO PLUMBING		REFER TO PLUMBING	PLUMBING FIXTURE SCHEDULE FOR SIZE & TYPE
NSF APPROVED	PLUMBING FIXTURE	9	(E) FLOOR DRAIN	REFER TO PLUMBING		REFER TO PLUMBING	PLUMBING FIXTURE SCHEDULE FOR SIZE & TYPE
NSF APPROVED	COOKING EQUIP.	10	(N) GAS RESTAURANT RANGE 24"	GARLAND	G24-4L	23.875" X 31" X 51"	FOUR BURNERS & ONE STANDARD OVEN - 6" LEGS
ETL SANITATION	COOKING EQUIP.	11	(N) GAS VERTICAL BROILER TABLE MOUNT	AVANTCO EQUIPMENT	VB205	21" X 23" 44"	47,500 BTU - SEE GAS LOAD CALCULATIONS
ETL SANITATION	COOKING EQUIP.	12	(N) GAS GRIDDLE 36" TABLE MOUNT	COOKRITE	ATMG-36	36" X 28.3" X 15.25"	90,000 BTU - SEE GAS LOAD CALCULATIONS
NSF APPROVED	COOKING EQUIP.	13	(N) GAS OPEN-POT FRYER	FRYMASTER	HD-150G	15.5" X 31.25" X 45"	100,000 BTU - SEE GAS LOAD CALCULATIONS
ETL SANITATION	COOKING EQUIP.	14	(N) TOP SANDWICH PREP. REFRIGERANT	MIGALI	C-SP72-18-HC	75" X 33" X46"	TOTAL HEIGHT INCLUDES 6" CASTERS
NSF APPROVED	COOKING EQUIP.	15	(N) MERCHANDISER REFRIGERATOR	EVEREST	EMGR10	24" X 24.375" x 68.125"	6" HEIGH LEGS INCLUDED IN THE HEIGHT
NSF APPROVED	FURNITURE	16	(N) STAINLES-STEEL WORK TABLE	EAGLE	T2424SB-BUDGET	36" X 30" X 35.5"	OR EQUAL
NSF APPROVED	SANITARY EQUIP.	17	AIR CURTAIN	MARS CURTAIN	LPN236-1U LOPRO		UN-HEATED (NSF APPROVED -TO 8' IN HEIGH)
NSF APPROVED	TOILET FIXTURE	18	RECESSED PAPERTOWEL DISPENSER	BOBRICK	B-35903	13" X 18-15/16" X 3-5/8"	ADA MOUNTING HEIGHT PER SHEET A003.1
NSF APPROVED	TOILET FIXTURE	19	BOBRICK SOAP DISPENSER	BOBRICK	B-2111	4-3/4" X 8-1/8" X 2-3/4"	ADA MOUNTING HEIGHT PER SHEETA003.1
NSF APPROVED	TOILET FIXTURE	20	TOILET , WASTE REC. & SEAT COVER	BOBRICK	B-30919	28" X 14" X 4.25"	ADA MOUNTING HEIGHT PER SHEET A003.1
NSF APPROVED	TOILET FIXTURE	21	GLASS SNEEZE GUARD	HATCO CORPORATION	EP5 - 48	48" X 25" X 18"	OR EQUAL.
NSF APPROVED	FURNITURE	23	TRASH CONTAINER WITH CLOSED LID	SLIM JET/ RESTURANT TS	18693	16.15" X 13.85" X 28"	INSTALL PER HEALTH DEP. REQUIRTMENTS.
N/A	FURNITURE	24	BABY DIAPER CHANGING STATION	ĨAMĒRIČAN SPĒCIĀLTIĒS INC	9014	32-5/8" X 22-1/32"	INSTALL PER ADA DETAIL 24 ON G-002.1

SN 1	MAIN ENTRANCE
	1) FIELD VERIFY COMPLIANCE OF FOLLOWING ELEMENTS OF DISABLED ACCESS WITH REQUIREMENTS IN CBC CHAPTER 11B.
	A) PRIMARY ENTRANCE DOOR (11B-404 AND 11B-703.5-11B-703.7).
	B) PATH OF TRAVEL FROM PARKING SPACE ACCESS AISLE TO THE PUBLIC SIDEWALK (11B-403). C) ACCESSIBLE PARKING SPACE AND LOADING ZONE (11B-502
SN 2	(E) MOB SINK AND WATER HEATER ABOVE TO REMAIN AS IS. MOB SINK DETAIL IS SHOWN ON THE DETAILS FOR COMPLIANCE. CONTRACTOR TO VERIFY IN FIELD.
SN 5	EXISTING WALL SHOULDER TO REMAIN AS IS. SEE DEMOLITION PLANS AND NOTES.
SN 6	NEW SNEEZE GUARD PER DETAILS SHEET A-1.3
SN 9	NEW TRASH CONTAINERS PER HEALTH DEPARTMENT REQUIREMENTS. CONTAINERS TO HAVE COVER LED AUTOMATIC CLOSE AND TO BE SHUT AT ALL TIMES.
SN 10	(E) WALL SHELVE ABOVE SINK (STAINLESS STEEL) TO BE VERIFIED IN FIELD.
SN 14	SIDE SPLASH MIN. 8" X 8" X 5" DEPTH WITH 6"HIGH INTEGRAL BACK SPLASH (TYP.)

PROPOSED FLOOR PLAN SHEET NOTES

MATERIALS FINISH SCHEDULE

1. ALL EQUIPMENT SHALL MEET AMERICAN NATIONAL SANITATION INSTITUTE (ANSI) ACCREDITATION PROGRAM STANDARDS	
FOR DESIGN AND INSTALLATION OR THE EQUIVALENT. ALL EQUIPMENT SHALL BE ON APPROVED 6" LEGS OR WHEELS.	

- 2. LIGHT FIXTURES IN FOOD PREPARATION, OPEN FOOD STORAGE AND UTENSIL WASHING AREAS ARE TO BE OF SHATTER-PROOF CONSTRUCTION OR PROTECTED AGAINST BREAKAGE THROUGH THE USE OF PLASTIC LIGHT SHIELDS OR OTHER APPROVED DEVICES.
- 3. EXTERIOR DOOR SHALL BE SELF CLOSING AND FIT TO A MAXIMUM 1/4 INCH AT THE BASE AND SIDES.
- 4. HAND WASHING CLEANSER AND SINGLE-USE TOWELS SHALL BE PROVIDED AT EACH HAND WASH SINK.
- 5. PROVIDE AN ACCURATE THERMOMETER AND SANITIZER STRIPS.
- 6. TOILET ROOMS AND DRESSING ROOM DOORS SHALL BE WELL FITTING AND SELF CLOSING.
- 7. SEAL ALL CRACKS, CREVICES AT COUNTERS, CABINETS, AROUND METAL FLASHING, SINK BACKSLPASHES, AROUND PIPES AND CONDUITS WITH SILICONE SEALANT.
- 8. PROVIDE AN AREA OR CABINET FOR STORAGE OF CLEANING EQUIPMENT / SUPPLIES AWAY FROM FOOD PREPARATION / STORAGE, AND UTENSIL WASHING AREA.
- 9. A ROOM ENCLOSURE, OR DESIGNATED AREA SHALL TO BE PROVIDED WHERE EMPLOYEES MAY CHANGE AND STORE
- THEIR CLOTHING AND PERSONAL ITEMS.

EQUIPMENT SCHEDULE NOTES

10- ALL EXISTING EQUIPMENT TO BE VERIFIED IN FIELD. 11- ALL SIZES IN THE SCHEDULE ABOVE AREOVERALL SIZES-U.N.O.

	TAG	DESCRIPTION	REMARKS
	F-1	(E) 12"X12" CERAMIC POCELAIN TILES TO REMAIN AS IS. CLEAN & FILL IN ANY CRACKED OR MISSED TILES.	PATCH ANY MISSING OR CRACKED/REGROUT
FLOORS & BASE	F-2	(E) 12"X12" KITCHEN QUARRY TILE - CREATIVE MATERIALS CORPORATION (CMC)	PATCH ANY MISSING OR CRACKED/REGROUT
	FB	(E) CMC. 6"X8" COVE BASE, W/ GROUT (HARD, SMOOTH UNDER ALL EQUIPMENT AND ABRASIVE IN WALL WALKWAYS, NON ABSORBE	T) PATCH ANY MISSING OR CRACKED/REGROUT
	W-1	(E) 24" X 48" STAGGERED PORCELAIN WALL TILES, W/GROUT	PATCH ANY MISSING OR CRACKED/REGROUT
WALLS	W-2	(E) 4' X 10' FRP WALL PANELS / PEBBLE FINISH FROM MARELITE OR EQUAL.	FRP PANEL TO EXTEND TO CEILING.
	W-3	(N) STAINLESS STEEL WALL UNDER THE HOOD WALL TO EXTEND 2 FEET ON EACH END AT MIN. SEE ELEVATIONS FOR LOCATION.	STAINLESSTEEL TO EXTEND TO CEILING.
	C-1	(E) ARMSTRONG KITCHEN ZONE (TM) CEILING TILE, 24 IN W X 48 IN LEXSTING GRID TO REMAIN AS IS	REPLACE DAMAGED CEILING TILE AS REQ.
CEILINGS	C-2	(E) ARMSTRONG REGULAR CEILING TILE, 24 IN W X 48 IN L EXSTING GRID TO REMAIN AS IS	REPLACE DAMAGED CEILING TILE AS REQ.

ADDITIONAL FINISH MATERIALS NOTES:

- (F.R.P.) MARLITE. (FIBERGLASS REINFORCED PANELING) SMOOTH FINISH #P199, COLOR: WHITE
- 1. ALL FINISH MATERIALS TO COMPLY W/ THE FLAME SPREAD CLASSIFICATION RATING AS SPECIFIED IN THE BUILDING CODES INDICATED ON THE COVER SHEET, G00.
- 2. EDGE PROFILE @ QUARRY TILE REFER TO ARCHITECURAL DETAILS SHEETS A-4.0/A-5.0.
- 3. (N) PONY WALL TO RECEIVE FRP FORM THE EMPLOYEE SIDE, AND TILES FROM THE CUSTOMER SIDE.

PROPOSED FLOOR PLAN LEGEND

EXISTING EXTERIOR WALLS TO REMAIN AS IS

NEW PONY WALL

 $\langle 1i \rangle$

XX

______ **WALL TYPE TAG**

WINDOW TYPE

DOOR TAG / NUMBER

SHEET NOTES LEGEND **EGRESS PATH OF TRAVEL** _X' X"___ DISTANCE OF TRAVEL __X S___

TIME OF TRAVEL 5'-0" DIA. ACCESSIBLE TURNING SPACE

KEYNOTE TAG / REFER TO

30" x 48" WHEELCHAIR CLEARANCE SPACE

(A) FRONT APPROACH, PULL SIDE CLREARANCE (B) FRONT APPROACH, PUSH SIDE CLEARANCE INTERIOR DOOR (OR IN-SWINGING EXTERIOR 1'-0" (FOR DOOR EQUIPPED WITH CLOSER & LATCH) **EXTERIOR DOOR** (OUT-SWINGING)

1'-0" (FOR DOOR EQUIPPED WITH CLOSER & LATCH)

	WAL	L TYPES
	W-1>	
V.I.F.		EXISTING WALL TO REMAIN
WALL #1		FIELD VERIFY CONDITIONS.
	FRP PANEL	
WALL #2		NEW PONY WALL. SEE DETAIL#01/A006
*	FINISH PER FINISH SCHEDULE	
	W-2	

FINISH FLOOR PLAN GENERAL NOTES

- ALL EXISTING EXTERIOR WALLS ARE EXISTING TO REMAIN AS IS. (VERIFY IN
- THE CONTRACTOR SHALL UNDERCUT ALL NEW AND EXISTING DOORS 1/4" ABOVE THE TOP OF FLOOR COVERING. VERIFY EXACT THICKNESS OF ALL NEW FLOOR COVERINGS WITH ACC & ENGINEERING PRIOR TO UNDERCUTTING OF DOORS.
- ALL EXISITNG WINDOWS ARE IN GOOD SHAPE AND TO REMAIN AS IS U.N.O.
- NEW WALLS ARE CALLED OUT TO BE INSTALLED PER THIS DRAWINGS AND
- EXISTING DOORS & HARDWARE TO BE VERIFIED IN FIELD TO MATCH THE DOORS
- INTERIOR FINISHING TO BE PER ROOM FINISH SCHEDULE ON THIS SHEET. CONTRACTOR TO COORDINATE WITH MECHANICAL, PLUMBING. ELECTRICAL DRAWINGS PRIOR TO CLOSING WALLS & OR CUTTING ANY COMPONENETS REFER TO PLUMBING DRAWINGS FOR ALL FLOOR SINK AND FLOOR DRAIN LOCATIONS -PREPARE AND INSTALL ALL FLOOR PENETRATIONS PER MANUFACTURER'S DETAILS - FIXTURES MUST BE CLAMPING-TYPE - USE APPROPRIATE WATERPROOF SEALANT AND FOAM BACKER TO SEAL SPACE AROUND PENETRATIONS.
- PROVIDE EXIT SIGNS AND DIRECTIONAL EXIT SIGNS WITH MINIMUM 6" HIGH BY 3/4" STROKE BLOCK LETTERS U.N.O.
- SEE NOTES ON SHEET G-001 FOR MORE INTERIOR CONSTRUCTION NOTES.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BLOCKING, BACKING, FRAMING, HANGERS OR OTHER SUPPORT FOR ALL FIXTURES, EQUIPMENT, CABINETRY, FURNISHINGS AND ALL OTHER ITEMS.



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CONTRACTOR CONTRACTOR TO PULL PERMIT AFTER APPROVAL OF PLANS AMERICAN CONSTRUCTION

COMPANY 1130 N KRAEMER BLVD #I ANAHEIM, CA 92806 LIC#1073807

PROJECT NAME LOCATION 2

AUTHORITY HAVING JURISDICTION (AHJ) **BUILDING DEPARTMENT | CITY OF CORONA** REVISION SCHEDULE

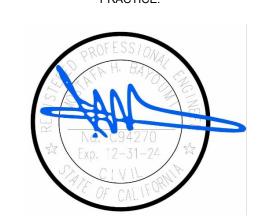
Revision 1 04-19-2024

SEQUENCE DESCRIPTION DATE

REVISION REVISION

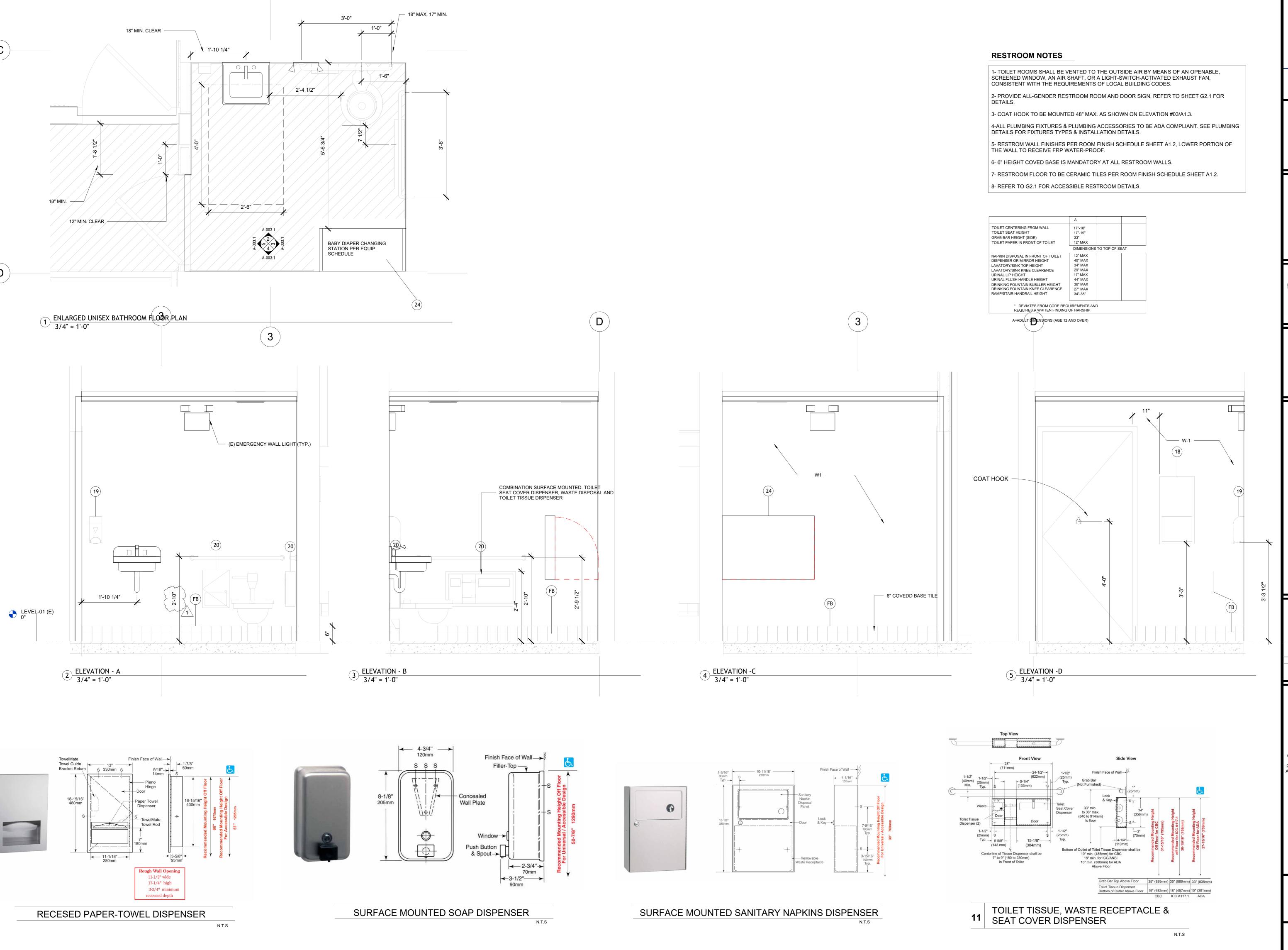
ENGINEER OF RECORD

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ACCORDANCE WITH ACCEPTED STANDARDS OF

SHEET NAME PROPOSED FLOOR PLAN





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CONTRACTOR CONTRACTOR TO PULL PERMIT AFTER APPROVAL OF PLANS AMERICAN CONSTRUCTION COMPANY 1130 N KRAEMER BLVD #I

ANAHEIM, CA 92806 LIC#1073807

PROJECT NAME LOCATION OWNER

115 N MCKINLE CORONA, (

AUTHORITY HAVING JURISDICTION (AHJ) **BUILDING DEPARTMENT | CITY OF CORONA**

REVISION SCHEDULE

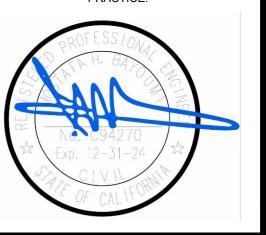
REVISION REVISION REVISION SEQUENCE DESCRIPTION DATE

Revision 1 04-19-2024

ENGINEER OF RECORD REVIEWED BY SEAL / STAMP

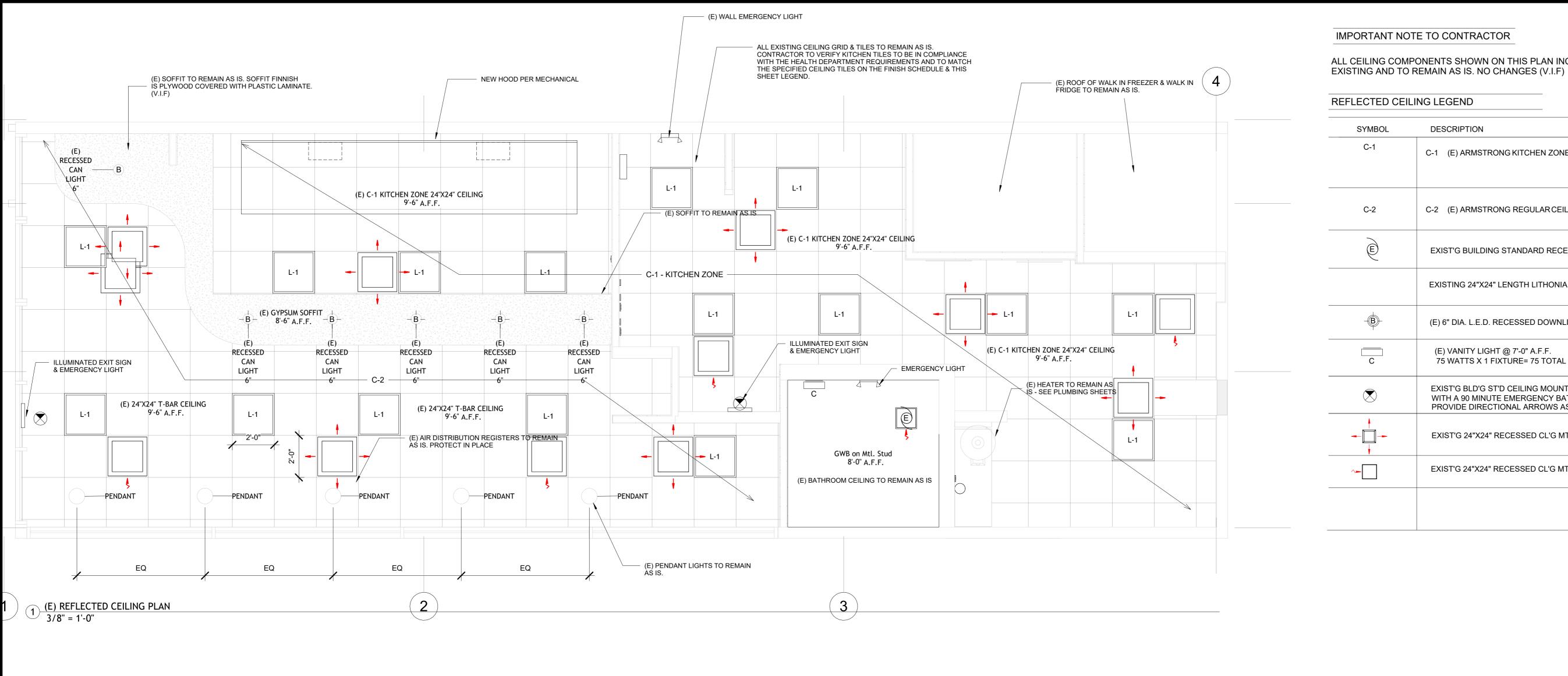
THE SIGNATURE AND SEAL OF A

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SHEET NAME **ENLARGED UNISEX** BATHROOM PLAN

> SHEET NUMBER A-003.1



EXITING & EGRESS NOTES

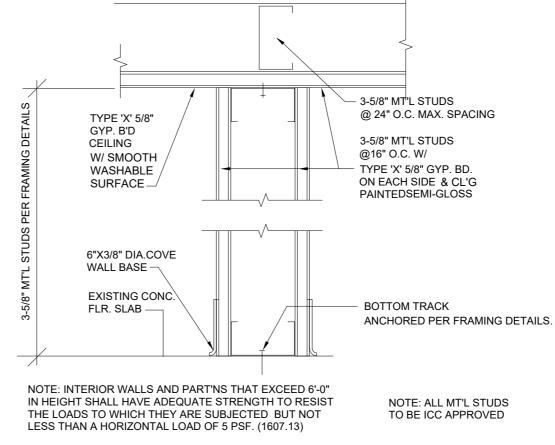
- 1. EXIT SIGNS SHALL BE INTERNALLY OR EXTERNALLY ILLUMINATED.
- 2. EXIT SIGNS ILLUMINATED BY AN EXTERNAL SOURCE SHALL HAVE AN INTENSITY OF NOT LESS THAN 5 FOOT CANDLES (54 LUX).
- 3. INTERNALLY ILLUMINATED SIGNS SHALL BE LISTED AND LABELED AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER INSTRUCTIONS AND SECTION 2702. 1013.5
- 4. EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES. 1013.3
- 5. EXIT SIGNS SHALL BE CONNECTED TO AN EMERGENCY POWER SYSTEM THAT WILL PROVIDE AN ILLUMINATION OF NOT LESS THAN 90 MINUTES IN CASE OF PRIMARY POWER LOSS. 1013.6.3
- 6. EGRESS DOORS SHALL BE READILY OPERABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT. SEE 1010.1.9.3 FOR EXCEPTIONS.
- 7. DOOR HANDLES, LOCK, AND OTHER OPERATING DEVICES SHALL BE INSTALLED AT A MINIMUM OF 34" AND A MAXIMUM OF 48" ABOVE THE FINISHED FLOOR.
- 8. THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED.
- 9. ALL EGRESS DOOR OPERATION SHALL ALSO COMPLY WITH SECTION 1010.1.9 & 1010.1.9.12.
- 10. THE MEANS OF EGRESS, INCLUDING THE EXIT DISCHARGE, SHALL BE ILLUMINATED AT ALL TIMES THE BUILDING SPACE SERVED BY THE MEANS OF EGRESS IS OCCUPIED.
- 11. THE MEANS OF EGRESS ILLUMINATION LEVEL SHALL NOT BE LESS THAN 1 FOOTCANDLE AT THE WALKING SURFACE.
- 12. THE POWER SUPPLY FOR MEANS OF EGRESS ILLUMINATION SHALL NORMALLY BE PROVIDED BY THE PREMISES ELECTRICAL SUPPLY. IN THE EVENT OF POWER SUPPLY FAILURE, AN EMERGENCY ELECTRICAL SYSTEM SHALL AUTOMATICALLY ILLUMINATE THE FOLLOWING AREAS:
- A. AISLES AND UNENCLOSED EGRESS STAIRWAYS IN ROOMS AND SPACES THAT REQUIRE TWO OR MORE MEANS OF EGRESS.
- B. CORRIDORS, EXIT ENCLOSURES AND EXIT PASSAGEWAYS IN BUILDINGS REQUIRED TO HAVE 2 OR MORE EXITS.
- C. EXTERIOR EGRESS COMPONENTS AT OTHER THAN THE LEVEL OF EXIT DISCHARGE UNTIL EXIT DISCHARGE IS ACCOMPLISHED FOR BUILDINGS REQUIRED TO HAVE MORE THAN TWO OR MORE EXITS.
- D. INTERIOR EXIT DISCHARGE ELEMENTS, AS PERMITTED IN SECTION 1028.1, IN BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS.
- E. EXTERIOR LANDINGS, AS REQUIRED BY SECTION 1010.1.6, FOR EXIT DISCHARGE DOORWAYS IN BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS.

CEILING HEALTH DEPARTMENT SPECIFICATION

- 1. SUSPENDED CEILING PANELS
- I. PANELS SHALL HAVE A SMOOTH VINYL FACED WASHABLE SURFACE.
- II. LIGHT COLOR
- III. NON-ABSORBENT (NON-PERFORATED) IV. SHALL BE INSTALLED AS PER MANUFÁCTURER'S INSTRUCTIONS FOR LEVEL SUSPENDED CEILING GRIDS.
- V. HOLD DOWN CLIPS ARE RECOMMENDED.

2. SOFFIT OR SUSPENDED CEILING

- IF A SOFFIT OR SUSPENDED CEILING IS PROPOSED OVER WAITRESS AND BUSSING STATIONS, SALAD BARS, FOOD SERVING OR SELF-SERVICE BEVERAGE AREAS AND OPEN FOOD OR DRINK COUNTERS. OR OTHER SIMILAR STATIONS. THE FINAL FINISH SHALL BE SMOOTH, EASILY CLEANABLE AND NON-ABSORBENT.
- 3. DRYWALL CEILING (HARD LID)
- I. SHALL BE PAINTED WITH A LIGHT-COLORED GLOSS OR SEMI-GLOSS PAINT.
- II. TEXTURE OR "POPCORN CEILING" IS NOT PERMITTED.



14 EXISTING GYPSUM BOARD CEILING AT BATHROOM

EXIT SIGNS SPECIFICATIONS.

(E) 6" DIA. L.E.D. RECESSED DOWNLIGHT

75 WATTS X 1 FIXTURE= 75 TOTAL WATTS.

PROVIDE DIRECTIONAL ARROWS AS REQUIRED.

EXIST'G BLD'G ST'D CEILING MOUNTED ILLUMINATED EXIT SIGN

EXIST'G 24"X24" RECESSED CL'G MT'D HVAC SUPPLY DIFFUSER TO REMAIN (V.I.F)

EXIST'G 24"X24" RECESSED CL'G MT'D HVAC RETURN DIFFUSER TO REMAIN (V.I.F)

WITH A 90 MINUTE EMERGENCY BATTERY BACKUP SYSTEM.

(E) VANITY LIGHT @ 7'-0" A.F.F.

IMPORTANT NOTE TO CONTRACTOR

DESCRIPTION

SYMBOL

C-1

C-2

ALL CEILING COMPONENTS SHOWN ON THIS PLAN INCLUDING AIR REGISTERS & LIGHT FIXTURES ARE

C-1 (E) ARMSTRONG KITCHEN ZONE (TM) CEILING TILE, 24 IN W X 24 IN LEXISTING GRID TO REMAIN AS IS

C-2 (E) ARMSTRONG REGULAR CEILING TILE, 24 IN W X 24 IN L EXISTING GRID TO REMAIN AS IS

EXIST'G BUILDING STANDARD RECESSED EXHAUST FAN ACTIVATED BY LIGHT SWITCH.

EXISTING 24"X24" LENGTH LITHONIA RECESSED CEILING MT'D DOWNLIGHT L.ED@9'-6" A.F.F.

- 1. PROVIDE EXIT SIGNS AND DIRECTIONAL EXIT SIGNS WITH MINIMUM 6" HIGH BY 3/4" STROKE BLOCK LETTERS ON A CONTRASTING BACKGROUNDO COMPLY WITH THE CFC.
- 2. EXIT SIGNS SHALL BE ELECTRICALLY ILLUMINATED AND ILLUMINATION SHALL NORMALLY BE PROVIDED BY THE PREMISES IN THE EVENT OF FAILURE OF THIS SYSTEM. ILLUMINATION SHALL BE AUTOMATICALLY PROVIDED FROM AN EMERGENCY SYSTEM. EMERGENCY LIGHTING SHALL GIVE A VALUE OF ONE FOOT CANDLE AT FLOOR LEVEL.
- 3. A TACTILE EXIT SIGN WITH THE WORD "EXIT" SHALL IDENTIFY EACH GRADE LEVEL EXTERIOR EXIT DOORS PER CB.
- 4. TACTILE EXIT SIGNS REQUIRED BY THE CB NEED NOT BE PROVIDED WITH ILLUMINATION.
- 5. TACTILE EXIT SIGNS SHALL BE PROVIDED AT THE FOLLOWING LOCATIONS:
- 1. EACH GRADE LEVEL EXTERIOR EXIT DOOR THAT IS REQUIRED TO COMPLY WITH THE CB SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORD "EXIT".
- 2.EACH EXIT DOOR THAT IS REQUIRED TO COMPLY WITH THE CB AND THAT LEADS DIRECTLY TO A GRADE LEVEL EXTERIOR EXIT BY MEANS OF A STAIRWAY OR RAMP SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE FOLLOWING WORDS AS APPROPRIATE: 2.1 "EXIT STAIR DOWN"
- 2.2 "EXIT RAMP DOWN"
- 2.3 "EXIT STAIR UP" 2.4 "EXIT RAMP UP"
- 3.EACH EXIT DOOR THAT IS REQUIRED TO COMPLY WITH THE CB THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF AN EXIT ENCLOSURE THAT DOES NOT UTILIZE A STAIR OR RAMP, OR AN EXIT PASSAGEWAY SHALL BE IDENTIFIED BY A TACTILE EXIT SIGH WITH THE WORDS,
- 4.EACH EXIT ACCESS DOOR FROM AN INTERIOR ROOM OR AREA THAT IS REQUIRED TO COMPLY WITH THE CB SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORD, "EXIT ROUTE"
- 5.EACH EXIT DOOR THROUGH A HORIZONTAL EXIT THAT IS REQUIRED TO COMPLY WITH THE CB SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS,
- 6.ELECTRICALLY POWERED, SELF-LUMINOUS AND PHOTOLUMINESCENT EXIT SIGNS SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 924 AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES.



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PROJECT NAME LOCATION

2

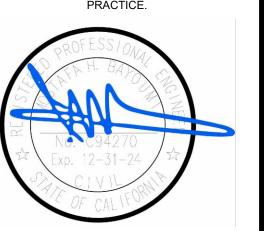
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REVISION SCHEDULE REVISION REVISION REVISION SEQUENCE DESCRIPTION DATE

ENGINEER OF RECORD

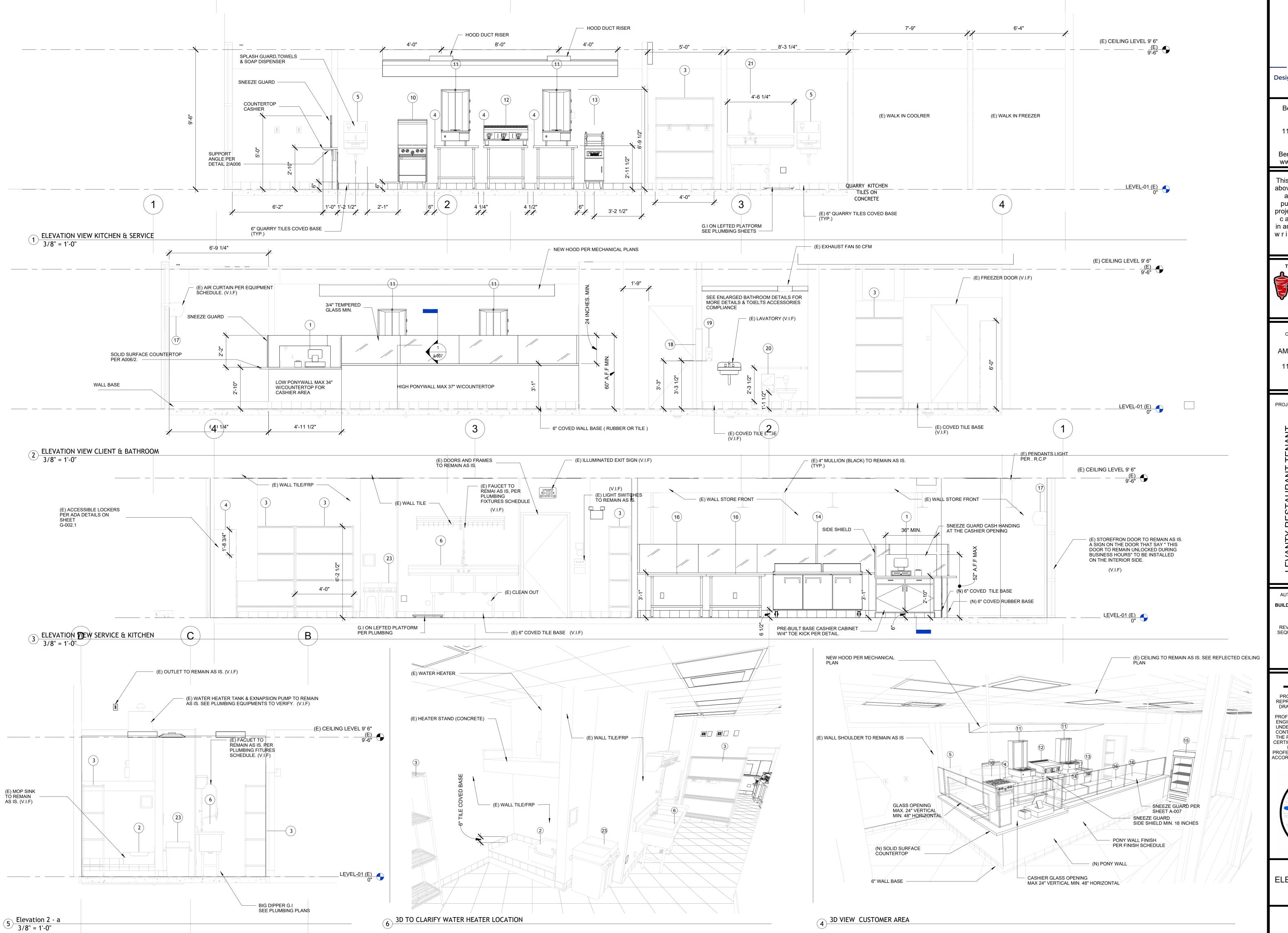
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SHEET NAME

REFLECTED CEILING PLAN





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CONTRACTOR CONTRACTOR TO PULL PERMIT AFTER APPROVAL OF PLANS AMERICAN CONSTRUCTION COMPANY 1130 N KRAEMER BLVD #I ANAHEIM, CA 92806 LIC#1073807

PROJECT NAME LOCATION OWNER

15

AUTHORITY HAVING JURISDICTION (AHJ) **BUILDING DEPARTMENT | CITY OF CORONA**

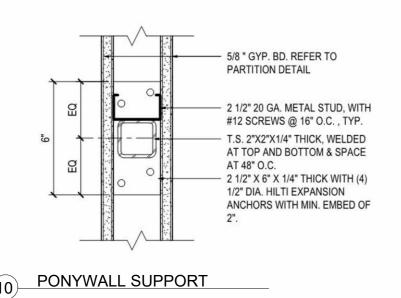
REVISION SCHEDULE REVISION REVISION REVISION SEQUENCE DESCRIPTION DATE

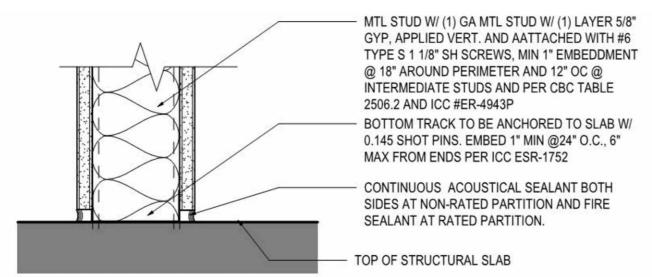
ENGINEER OF RECORD

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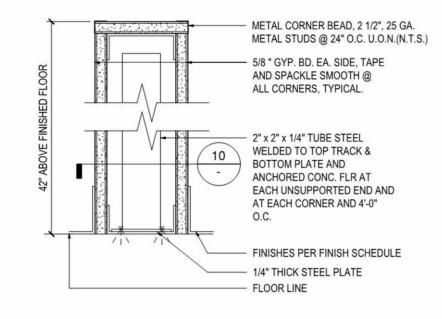


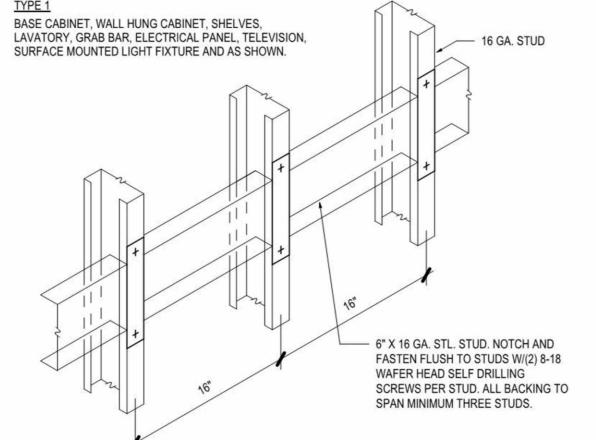
SHEET NAME **ELEVATIONS SECTIONS &** 3D VIEWS



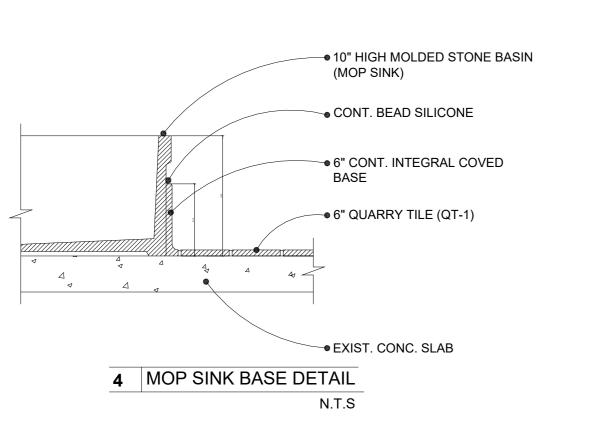


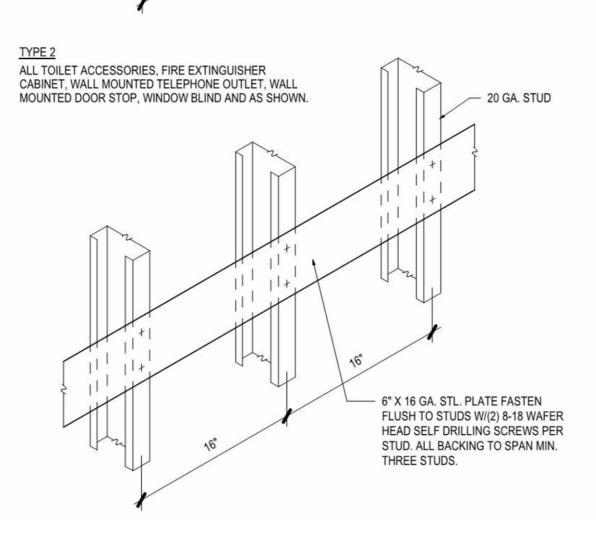
10 BOTTOM TRACK AT TYPICAL WALL SCALE: 3" = 1'-0"





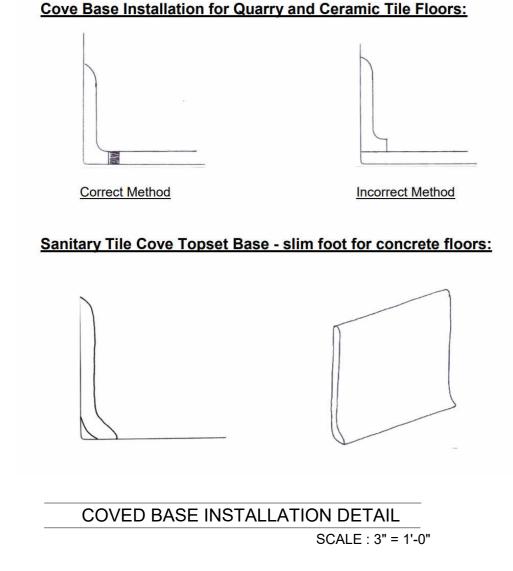
1 PONYWALL DETAIL 12" = 1'-0"

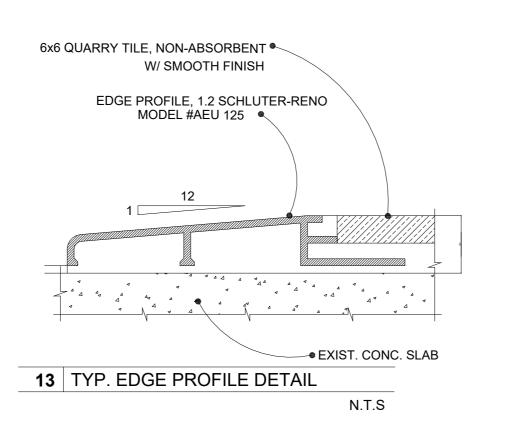




9 BACKING PLATE DETAIL

SCALE : 3" = 1'-0"





THE EXTINGUISHER CABINET

SCALE : 3" = 1'-0"

USG - SA923 "DRYWALL/STEEL FRAMED SYSTEM"

Stud design.	Stud width	Stud spacing	Allow. defl.	Partition, one layer	Partition, two layers	Furring, on layer
25 gauage	(.0179 min.))			J]
158ST25	1 5/8"	16"	L/120 L/240 L/360	10'9"f 9'6"d 8'3"d	10'9"d 10'6"d 9'0"d	10'3"d 8'3"d 7'3"d
		24"	L/120 L/240 L/360	8'9"f 8'3"d 7'3"d	8'9"f 8'9"f 8'0"d	8'9"f 7'3"d 6'3"d
212ST25	2 1/2"	16"	L/120 L/240 L/360	13'9"f 12'6"d 10'9"d	13'9"f 13'6"d 11'9"d	13'9"d 11'0"d 9'9"d
		24"	L/120 L/240 L/360	11'3"f 10'9"d 9'6"d	13'3"f 11'3"f 10'3"d	11'3"f 9'9"d 8'6"d
358ST25	3 5/8"	16"	L/120 L/240 L/360	16'9"f 16'0"d 14'0"d	16'9"f 16'9"f 14'9"d	16'9"f* 14'6"d* 12'9"d*
		24"	L/120 L/240 L/360	13'6"f 13'6"f 12'3"d	13'6"f 13'6"f 13'0"d	13'6"f* 12'9"d* 11'0"d
20 gauage	(.0329 min.))				
212ST20	2 1/2"	16"	L/120 L/240 L/360	17'9"d 14'0"d 12'3"d	18'6"d 14'9"d 13'0"d	16'6"d* 13'0"d* 11'6"d
		24"	L/120 L/240 L/360	15'6"d 12'3"d 10'9"d	16'3"f 13'0"d 11'3"d	14'6"d* 11'6"d 10'0"d
358ST20	3 5/8"	16"	L/120 L/240 L/360	23'0"d 18'3"d 16'0"d	24'0"d 19'0"d 16'6"d	21'9"d* 17'3"d* 15'0"d*
		24"	L/120 L/240 L/360	20'0"d 16'0"d 14'0"d	20'9"f 16'6"d 14'6"d	19'0"d* 15'0"d* 13'3"d

USG FOOTNOTE:

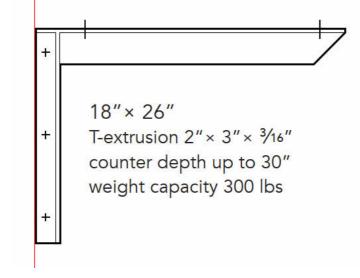
LIMITING HEIGHT FOR 1/2" OR 5/8" THICK GYPSUM PANELS AND 5 PSF UNIFORM LOAD PERPENDICULAR TO PARTITION OR FURRING. USE ONE-LAYER HEIGHTS FOR UNBALANCED ASSEMBLIES; USE TWO-LAYER HEIGHTS FOR MULTI-LAYER ASSEMBLIES. FOR FURRING, STUD ATTACHED TO TOP AND BOTTOM RUNNERS AND FREE-STANDING UP TO 12-FT. HEIGHT. *STUDS EXCEEDING 12-FT. HEIGHT REQUIRE MID-HEIGHT ANCHOR TO EXTERIOR WALL. ASSEMBLIES WITHOUT FACE PANELS AND CHASE WALL PARTITIONS REQUIRE VERTICAL CROSS BRACES 4FT. O.C. MAX. LIMITING CRITERIA d-DEFLECTION, f-BENDING STRESS, v-END REACTION SHEAR. CONSULT LOCAL CODE AUTHORITY FOR LIMITING CRITERIA.

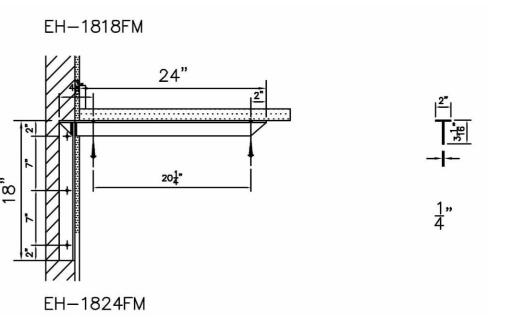
IMPORTANT: THE "TYPICAL" PHYSICAL AND STRUCTURAL PROPERTIES AND APPLICABLE TABLES PUBLISHED IN THIS FOLDER REPRESENT CHARACTERISTICS AND/OR STEEL STUDS CURRENTLY AVAILABLE FROM A GROUP OF STEEL STUD MANUFACTURES. CONSULT STUD MANUFACTURE'S PHYSICAL AND STRUCTURAL PROPERTIES, STUD THICKNESSES AND LIMITING HEIGHT TABLES TO DETERMINE FINAL STUD SELECTION.

NOTE: GENERAL CONTRACTOR TO PROVIDE ALTERNATE OR EQUAL PRODUCT MATERIAL SPECIFICATION IF USG SA923 "DRYWALL/STEEL FRAMED SYSTEM" IS NOT UTILIZED FOR THIS PROJECT.

11 STUD FRAMING CHART

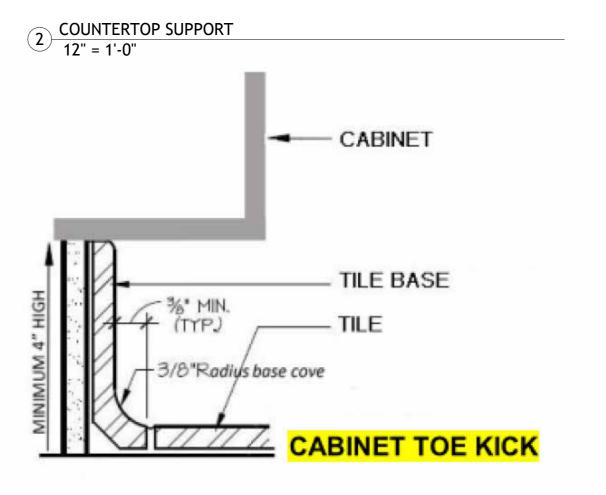
EH-1824FM





INSTALL ALUMINUM FLUSH COUTERTOP BRACKETS UP TO 30" DEEP COUNTERTOPS. USE MODEL# EH-1824FM BY "RAKKS".

RAKKS TO BE INSTALLED FLUSH WITH THE DRYWALL AND TO BE SCREWED AS SHOWN IN THE DETAILS TO THE METAL STUDS.



CABINET TOE KICK DETAIL

12" = 1'-0"



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T.I PROPOSED BUSINESS OWNERS



CONTRACTOR
CONTRACTOR TO PULL PERMIT AFTER
APPROVAL OF PLANS

AMERICAN CONSTRUCTION
COMPANY
1130 N KRAEMER BLVD #I
ANAHEIM, CA 92806

LIC#1073807

LEVANTY RESTAURANT TENANT
IMPROVEMENTS

115 N MCKINLEY ST STE 107.
CORONA, CA 92879

ZAHER DAKELBAB

AUTHORITY HAVING JURISDICTION (AHJ)

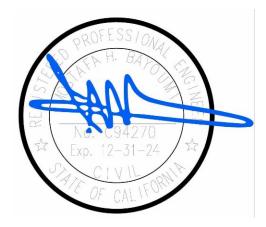
BUILDING DEPARTMENT | CITY OF CORONA

REVISION SCHEDULE

REVISION REVISION REVISION SEQUENCE DESCRIPTION DATE

ENGINEER OF RECORD

THE SIGNATURE AND SEAL OF A
PROFESSIONAL ENGINEER IS THE LEGAL
REPRESENTATION THAT THIS ENGINEERING
DRAWINGS, PLANS, AND SPECIFICATIONS
WERE PREPARED EITHER BY THE
PROFESSIONAL ENGINEER OR ANY OF ACC &
ENGINEERING FIRM DESIGNERS WHO WERE
UNDER THE RESPONSIBLE CHARGE (DIRECT
CONTROL AND PERSONAL SUPERVISION) OF
THE PROFESSIONAL ENGINEER. IT FURTHER
CERTIFIES THAT THE WORK PERFORMED WAS
DONE COMPETENTLY, MEETS THE
PROFESSIONAL STANDARD OF CARE, AND IS IN
ACCORDANCE WITH ACCEPTED STANDARDS OF



ARCHITECTURAL DETAILS

SHEET NAME

GENERAL REQUIRTMENTS

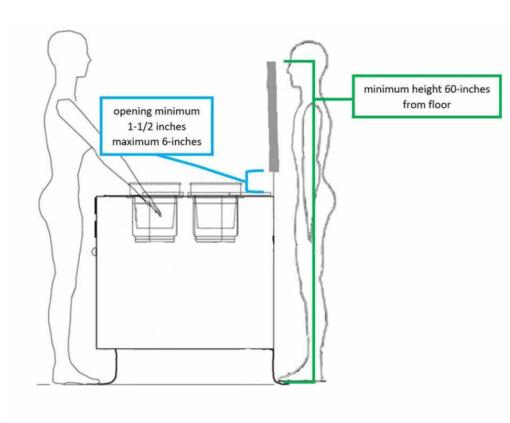
1- CONSTRUCTION OF SNEEZE GUARDS SHALL BE BASED ON NSF/ANSI STANDARDS.

2- SNEEZE GUARDS MUST BE CONSTRUCTED OF EASILY CLEANABLE, NON-TOXIC MATERIALS THAT WITHSTAND NORMAL

3- FOOD SHIELD GUARD MUST CONFORM TO NSF/ANSI 51 AND EDGES MUST BE PROTECTED AGAINST CHIPPING. 4- GUARDS SHALL BE MOUNTED TO INTERCEPT A DIRECT LINE BETWEEN THE CUSTOMER'S MOUTH AND THE FOOD DISPLAY AREA ON ALL SIDES OF THE DISPLAY. THE VERTICAL DISTANCE FROM THE AVERAGE CUSTOMER'S MOUTH ZONE TO THE FLOOR IS 54 TO 68 INCHES. THE VERTICAL HEIGHT FROM THE BOTTOM EDGE OF THE SNEEZE GUARD TO THE FLOOR LEVEL SHALL BE A MAXIMUM OF 52-INCHES.

5- SIDE SHIELDS ARE REQUIRED ON ALL SNEEZE GUARDS FOR FOOD DISPLAY AREAS AND SHALL BE A MINIMUM OF 18-INCHES LONG MEASURED FROM FRONT TO BACK. THE GAP BETWEEN THE SIDE SHIELD AND COUNTERTOP SHALL BE A MAXIMUM OF 1 ½ INCH. SIDE SHIELDS ARE NOT REQUIRED WHEN THERE IS AN ADJACENT WALL THAT IS WITHIN 3-INCHES AND THE FULL HEIGHT OF THE SNEEZE GUARD.

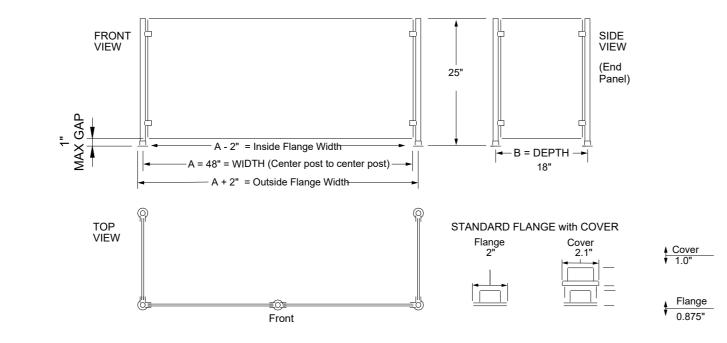
6- THE MAXIMUM OPEN SPACE BETWEEN ADJACENT, PARALLEL FOOD SHIELDS PANELS SHALL BE 2-INCHES, NOT INCLUDING THE POST AND FRAME MEMBERS.





SPECIFICATIONS

2" LONG #8 COUNTER SINK SCREWS ARE RECOMMENDED FOR INSTALLATIONS ON MOST SURFACES. THE SNEEZE GUARD SHALL HAVE 1" DIAMETER SAE 304 BRUSHED STAINLESS.
STEEL POSTS, 2" DIAMETER STAINLESS STEEL FINISH FLANGES WITH FLANGE COVER,
0.25" THICK TEMPERED GLASS CONSTRUCTION WITH 0.75" RADIUS CORNERS
AND FLAT POLISHED EDGES, GLASS FACE PANEL, TWO 18" DEEP GLASS END PANELS.



Design | Engineering | Construction

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T.I PROPOSED BUSINESS OWNERS



CONTRACTOR CONTRACTOR TO PULL PERMIT AFTER APPROVAL OF PLANS AMERICAN CONSTRUCTION

COMPANY 1130 N KRAEMER BLVD #I ANAHEIM, CA 92806 LIC#1073807

PROJECT NAME LOCATION OWNER

2

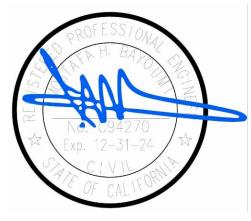
AUTHORITY HAVING JURISDICTION (AHJ) BUILDING DEPARTMENT | CITY OF CORONA

REVISION SCHEDULE

REVISION REVISION REVISION SEQUENCE DESCRIPTION DATE

ENGINEER OF RECORD REVIEWED BY SEAL / STAMP

THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER IS THE LEGAL REPRESENTATION THAT THIS ENGINEERING DRAWINGS, PLANS, AND SPECIFICATIONS WERE PREPARED EITHER BY THE PROFESSIONAL ENGINEER OR ANY OF ACC & ENGINEERING FIRM DESIGNERS WHO WERE UNDER THE RESPONSIBLE CHARGE (DIRECT CONTROL AND PERSONAL SUPERVISION) OF THE PROFESSIONAL ENGINEER. IT FURTHER CERTIFIES THAT THE WORK PERFORMED WAS DONE COMPETENTLY, MEETS THE PROFESSIONAL STANDARD OF CARE, AND IS IN ACCORDANCE WITH ACCEPTED STANDARDS OF



PRACTICE.

SHEET NAME ARCHITECTURAL DETAILS

HVAC SPECIFICATIONS

A MAINTENANCE LABEL SHALL BE AFFIXED TO MECHANICAL EQUIPMENT AND A MAINTENANCE MANUAL SHALL BE PROVIDED TO THE OWNER PER 2. CONCEALED SPACES, CIRCULATION AIR

INSULATED WIRES, PLASTIC TUBING OR PIPING, PIPE INSULATION,

CONDENSATE PAN INSULATION, WOOD, PVC, ABS AND OTHER PLASTICS) TO BE IN CONCEALED SPACES USED TO CONVEY CIRCULATING AIR SUPPLY. WHEN COMBUSTIBLE MATERIAL IS TO BE LOCATED IN THE ABOVE SPACES, IT SHALL BE APPROVED FOR SUCH INSULATION.

INSULATION OF DUCTS

PORTIONS OF SUPPLY-AIR AND RETURN-AIR DUCTS CONVEYING HEATED OR COOLED AIR LOCATED IN ONE OR MORE OF THE FOLLOWING SPACES SHALL BE INSULATED TO A MINIMUM INSTALLED LEVEL OF R-8:

OUTDOORS; OR

- 2. IN A SPACE BETWEEN THE ROOF AND AN INSULATED CEILING; OR
- IN A SPACE DIRECTLY UNDER A ROOF WITH FIXED VENTS OR OPENINGS TO THE OUTSIDE OR UNCONDITIONED SPACES; OR
- 4. IN AN UNCONDITIONED CRAWL SPACE; OR
- IN OTHER UNCONDITIONED SPACES.

PORTIONS OF SUPPLY-AIR DUCTS THAT ARE NOT IN ONE OF THESE SPACES, INCLUDING DUCTS BURIED IN CONCRETE SLAB, SHALL BE INSULATED TO A MINIMUM INSTALLED LEVEL OF R-4.2 OR BE ENCLOSED IN DIRECTLY CONDITIONED SPACE.

4. SEALING

TRANSVERSE SUPPLY DUCTS, TAPED OR SEALED WITH MASTIC EXCEPT FOR DUCTS EXPOSED TO CONDITIONED SPACE, WHERE DUCT STATIC PRESSURE EXCEEDS 3/4" WATER, LONGTITUDINAL JOINTS, TAPED OR SEALED WITH MASTIC.

INSPECTION

WITH INSULATION.

6. PIPE INSULATION

SPACE-CONDITIONING AND SERVICE WATER-HEATING SYSTEM SHALL BE INSULATED IN ACCORDANCE WITH THE FOLLOWING TABLE

- A									
RA				S	HICKNES	JLATION T	PIPE INSU		
SA	_	NOMINAL PIPE DIAMETER (")					INSULATION	CONDUCTIVITY	FLUID
0, (_	8 AND	4 TO <8	1.5 TO	1 TO	<1	MEAN	RANGE	TEMP.
$\langle SD \rangle (SD)$	<u>.</u>	LARGER		<4	<1.5			(BTU-"/HR PER	(°F)
	_	RED (")	S REQUIF	HICKNES	_ATION T	INSUL	TEMP. (°F)	SQFT/°F)	(F)
SP	<u>}</u>	SYSTEMS	HEATING	WATER I	SERVICE	MS AND	WATER SYSTE	E HEATING, HO	SPAC
	_	5.0	5.0	5.0	5.0	4.5	250	0.32-0.34	350<
TYP	_	4.5	4.5	4.5	4.0	3.0	200	0.29-0.31	251-350
	_	3.0	3.0	2.5	2.5	2.5	150	0.27-0.30	201-250
U/C	_	2.0	2.0	2.0	1.5	1.5	125	0.25-0.29	141-200
UTD	_	1.5	1.5	1.5	1.5	1.0	100	0.22-0.28	105-140
U.T.R.	U.I.R		SPACE COOLING SYSTEMS (CHILLED WATER, REFRIGERANT AND BRINE)						
V	1.0	1.0	RES 0.75	NONRES	RES 0.75	NONRES	75	0.21-0.27	40-60
•				0.5		0.5			
VTR	_	1.5	1.5	1.5	1.5	1.0	50	0.20-0.26	<40

EXCEPTIONS: THE FOLLOWING PIPING DOES NOT HAVE TO BE THERMALLY INSULATED: (1) FACTORY-INSTALLED PIPING WITHIN SPACE CONDITIONING EQUIPMENT; (2) PIPING THAT CONVEYS FLUIDS THAT HAVE A DESIGN OPERATING TEMPERATURE RANGE BETWEEN 55 DEGREES AND 105 DEGREES FAHRENHEIT; (3) GAS PIPING; (4) COLD DOMESTIC WATER PIPING; (5) DRAINS, VENTS, AND WASTE PIPING.

TEMPERATURE CONTROLS

MAKE UP AIR UNIT

EXCEPT AS ALLOWED, THESE CONTROLS SHALL BE ADJUSTABLE TO PROVIDE A DEAD BAND OF 5 DEGREES F BETWEEN FULL HEATING AND FULL COOLING. CONTROLS SHALL HAVE THE CAPABILITY OF TERMINATING ALL HEATING AT A TEMPERATURE NO MORE THAN 70 DEGREES F AND OF TERMINATING ALL COOLING AT A TEMPERATURE NOT LESS THAN 78

SCOPE OF WORK

EXISTING COMMERCIAL TENANT IMPROVEMENT REMOVE EXISTING EXHAUST HOOD TYPE I AND PROVIDE & INSTALL NEW EXHAUST HOOD TYPE I &

ELL EXISTING MECHANICAL SYSTEM TO REMAIN AS IS AND VERIFIED IN FIELD

FIRE ANSUL SYSTEM IS DEFFERED SUBMITTALS BY THE FIRE PROTECTION CONTRACTOR.

SYMB	OLS AND A	BBREVIATIONS						
SA		SUPPLY AIR PLENUM CROSS-SECTION						
RA		RETURN AIR PLENUM CROSS-SECTION						
CD		SUPPLY DIFFUSER						
RAG		RETURN AIR GRILLE						
EAG		EXHAUST AIR GRILLE						
SWS	-	SIDE WALL SUPPLY REGISTER						
SWR	~~ <u> </u>	SIDE WALL RETURN GRILLE						
	T	ROOM THERMOSTAT						
	S	ROOM SENSOR						
CFM		CUBIC FEET PER MINUTE						
EA		EXHAUST AIR						
EF		ROOF MOUNTED EXHAUST FAN						
ESP	¥	EXTERNAL STATIC PRESSURE						
EXIST	(E)	EXISTING						
FD		FIRE DAMPER						
FLA		FULL LOAD AMPERES						

HERTZ

HORSEPOWER

MANUAL VOLUME DAMPER

OUTSIDE SUPPLY AIR

RATED LOAD AMPERES

RETURN AIR

SUPPLY AIR

TYPICAL

VOLT

POC

NEW DUCT

EXISTING DUCT

CONDENSATE DRAIN

SMOKE DETECTOR

STATIC PRESSURE

UNDERCUT DOOR

UP THRU ROOF

VENT THRU ROOF

MECHANICAL EQUIPMENT TAG

CO2 SENSOR

NOTE:

REFER TO PLAN

ADDITIONAL

SYMBOLS AND

ABBREVIATIONS.

LEGEND.

RELATED

SHEETS FOR ANY

H7 MVD

NEW

OSA

RLA

CD

INSPECTION TO BE MADE AND DUCTWORK APPROVED BEFORE COVERING

PIPE INSU	JLATION THICKNESS
FLUID CONDUCTIVITY INSULATION	NOMINAL PIPE DIAMETER (")
TENAD	

FLUID	CONDUCTIVITY	INSULATION	NOWINAL FIFE DIAWLIER ()									
	RANGE (BTU-"/HR PER		<1	1 TO <1.5	1.5 TO <4	4 TO <8	8 AND LARGER					
(°F)	SQFT/°F)	TEMP. (°F)	INSUL	ATION TI	HICKNES	S REQUIR	RED (")					
SPAC	E HEATING, HO	WATER SYSTE	MS AND	SERVICE	WATER H	EATING :	SYSTEMS					
350<	0.32-0.34	250	4.5	5.0	5.0	5.0	5.0					
251-350	0.29-0.31	200	3.0	4.0	4.5	4.5	4.5					
201-250	0.27-0.30	150	2.5	2.5	2.5	3.0	3.0					
141-200	0.25-0.29	125	1.5	1.5	2.0	2.0	2.0					
105-140	0.22-0.28	100	1.0	1.5	1.5	1.5	1.5					
	SPACE COOLIN	G SYSTEMS (CH	ILLED W	ATER, RE	FRIGERA	NT AND E	BRINE)					
40-60	0.21-0.27	75		RES 0.75		RES 0.75	1.0					
			0.5		0.5							
			I	I	I	I						

EACH HVAC SYSTEM SHALL BE PROVIDED WITH AT LEAST ONE AUTOMATIC TEMPERATURE CONTROL DEVICE FOR THE REGULATION OF TEMPERATURE THESE AUTOMATIC TEMPERATURE CONTROL DEVICES SHALL BE CAPABLE OF BEING SET TO MAINTAIN SPACE TEMPERATURE SET POINTS FROM 55 DEGREES F TO 85 DEGREES F, SHALL BE CAPABLE OF OPERATING THE SYSTEM HEATING AND/OR COOLING IN SEQUENCE.

DEGREES F.

DUCT GAUGE SELECTIONS

FOR GALVANIZED STEEL (SMACNA TABLE 1-4/E5)	
MAXIMUM 1" W.G. STATIC POSITIVE AND NEGATIVE	

CO2

—— CD——

	0.00272202				
DUCT DIAMETER (INCHES)	MINIMUM THICKNESS GALVANIZED IRON (U.S. GAUGE/INCHES)	MINIMUM THICKNESS ALUMINUM (INCHES)			
LESS THAN 12	26/.022	.025			
13-30	26/.022	.025			
31-36	24/.023	.026			

FOOTNOTES:

- HEATING AND AIR CONDITIONING UNITS NOT EXCEEDING 2000 CFM OR ONE INCH WATER GAUGE (WG) POSITIVE OR NEGATIVE PRESSURE. DUCT FITTINGS SHALL
- BE CONSTRUCTED OF MATERIAL NOT LESS THAN THE GAUGE OF THE DUCT. 2. DUCTWORK AND FITTINGS LARGER THAN TWENTY INCHES SHALL BE CONSTRUCTED TO THE GAUGING REQUIREMENTS OF ANSI SMACNA 006-2006 HVAC DUCT CONSTRUCTION STANDARDS.

HVAC GENERAL NOTES

- ALL WORK SHALL CONFORM TO MECHANICAL CODE, BUILDING CODE AND ALL OTHER APPLICABLE CITY CODES AND REGULATIONS.

- 5. G.C. TO VERIFY CURRENT ELECTRICAL POWER CONDITION IN FIELD BEFORE
- 6. CONTRACTOR TO VERIFY MECHANICAL HEATING EQUIPMENT TO BE
- ACCURATE AS-BUILT DRAWINGS SHALL BE MADE DURING CONSTRUCTION

AND SUBMITTED FOR APPROVAL UPON COMPLETION OF INSTALLATION.

- 8. THE CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR FOR CONTRACTOR FOR ELECTRICAL REQUIREMENTS OF ALL MECHANICAL EQUIPMENT AND ARCHITECTURAL DRAWINGS FOR AIR DISTRIBUTION
- 9. THE CONTRACTOR SHALL SUBMIT BID BASED ON THE DRAWINGS AND ALTERNATE FOR COST SAVING. THESE DRAWINGS ARE FOR BIDDING
- 10.THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, EQUIPMENT TRANSPORTATION AND SERVICES NECESSARY FOR COMPLETION OF THE WORK. ALL MATERIALS AND WORK SHALL COMPLY WITH APPLICABLE CODES AND GOVERNING REGULATIONS AND MEET THE APPROVAL OF THE LOCAL JURISDICTION.
- 11.TAKE ALL PRECAUTIONS NECESSARY TO PROTECT THE MATERIALS BEFORE, DURING AND AFTER INSTALLATION. IN THE EVENT OF DAMAGE, IMMEDIATELY REPAIR ALL DAMAGED AND DEFECTIVE WORK TO THE APPROVAL OF THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
- 12.THESE DRAWINGS ARE DIAGRAMMATIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH ALL OTHER TRADES. THIS INCLUDES COORDINATING THE LOCATION AND SIZE OF ALL OPENINGS, LOCATIONS OF EQUIPMENT PADS AND CHANGES OF ELEVATIONS OF DUCTWORK, PIPING AND OTHER EQUIPMENT.
- INDICATED SHALL NOT BE USED UNLESS APPROVED IN WRITING BY THE ENGINEER AND ANY CHANGES IN MECHANICAL, ELECTRICAL AND/OR OTHER SYSTEMS REQUIRED DUE TO SUCH SUBSTITUTION SHALL BE THE RESPONSIBILITY OF THE HVAC CONTRACTOR; AND AT NO ADDITIONAL COST TO THE OWNER.
- 14.THE CONTRACTOR SHALL VISIT SITE PRIOR TO BIDDING TO VERIFY LOCATIONS AND SIZES OF ALL EXISTING EQUIPMENT AND INFORM THE ARCHITECT AND ENGINEER OF ANY DISCREPANCIES.
- WORK OF ALL OTHER TRADES PRIOR TO ANY FABRICATION OR REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
- 16.CONTRACTOR SHALL SUBMIT A COMPLETE BALANCE REPORT FOR APPROVAL. SYSTEMS AIR BALANCE SHALL BE PERFORMED BY AN THE REPORT SHALL INCLUDE THE FOLLOWING:
 - a.AIR QUANTITIES AT EACH REGISTER.
- 18.EQUIPMENT SPECIFICATION AND INTERLOCK DIAGRAM SHALL BE SUBMITTED FOR APPROVAL PRIOR TO PURCHASE OF EQUIPMENT FOR
- 19.ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, DAMPERS, VALVES AND OTHER DEVICES REQUIRED
- MAKE AND MODEL OF THE UNITS WILL BE DETERMINED BY THE OWNER/MECHANICAL CONTRACTOR WITH AN APPROVAL FROM THE
- BALANCED IN ACCORDANCE WITH AABC'S NATIONAL STANDARDS FOR
- 22.PROVIDE FILTER FOR AIR CONDITIONING AND/OR AIR SIDE UNITS AS REQUIRED PER ASHRAE AND MECHANICAL CODE.
- 24.CONDENSATE PIPING SHALL BE SIZED IN ACCORDANCE WITH MECHANICAL
- 26.WHERE CONDENSATE WASTE FROM AIR CONDITIONING COILS DISCHARGES THE AIR-CONDITIONED SPACE.
- 27.THE REFRIGERATION EQUIPMENT REFRIGERANT SERVICE PORTS LOCATED OUTDOORS SHALL BE FITTED WITH LOCKING TYPE TAMPER RESISTANT CAPS OR SHALL BE PROTECTED FROM UNAUTHORIZED ACCESS BY A MEANS ACCEPTABLE TO THE ENFORCING AGENCY.
- 29.G.C. TO VERIFY SUFFICIENCY OF DUCT SPACE BEFORE PURCHASING ANY
- DUCTWORK EXPOSED ON ROOF SHALL BE INTERNALLY LINED UNLESS SIZES. ALL DUCT JOINTS SHALL BE SEALED PER SPECIFICATIONS.
- 31.CONNECT MAIN DUCT TO AIR CONDITIONING UNIT WITH WEATHERPROOF

HAS BEEN INSTALLED.

BEFORE INSTALLATION.

LOCAL CODE.

FLEXIBLE CONNECTION. SUN SHIELD OVER ENTIRE FLEXIBLE CONNECTIONS REQUIRED IF FLEXIBLE CONNECTION IS EXPOSED TO WEATHER.

32.ALL LINED DUCT DIMENSIONS ARE NET CLEAR DIMENSION AFTER LINING

34.DUCTS SHALL BE SUPPORTED WITH 1" WIDE 16-GAUGE HANGER STRAPS

SECURED TO STRUCTURAL MEMBER. EXPOSED DUCTWORK ON ROOF

SHALL BE SUPPORTED BY GALVANIZED STEEL ANGLE & SHALL BE PER

ROUND AND RECTANGULAR DUCTWORK ARE INTERCHANGEABLE IF CROSS

SECTION AREAS ARE EQUIVALENT. CONTRACTOR IS TO VERIFY THE

EXACT CEILING SPACE AND INTERCHANGE THE DUCT SIZE TO FIT THE

ALL FACTORY-FABRICATED DUCT SYSTEMS SHALL COMPLY WITH UL 181

CONNECTIONS, AND SPLICES, AND BE LABELED AS COMPLYING WITH UL

AFFORD COMPLETE CONTROL OF THE AIR FLOW IN THE VARIOUS DUCT

SYSTEMS. INSTALL SPLITTER DAMPER AT DUCT TAKEOFFS AND DAMPER

OF FIRE-RATED CEILINGS AND WALLS THROUGHOUT

AREAS AND WALLS AS INDICATED ON ARCHITECTURAL

OMISSIONS ON THE DRAWINGS. SEE SPECIFICATIONS.

INDICATED ON THE ARCHITECTURAL DRAWINGS.

ELECTRICAL LIGHTING LAYOUT AND ARCHITECTURAL ROOM ELEVATIONS.

40. COORDINATE THE LOCATION OF ALL CEILING DIFFUSERS, REGISTERS AND

GRILLES WITH THE ARCHITECTURAL REFLECTED CEILING PLAN,

42. PROVIDE BACK-DRAFT DAMPER FOR ALL EXHAUST AIR DUCT UNLESS

43. EXHAUST TERMINATION SHALL BE MINIMUM 10'-0" AWAY OR 3'-0" ABOVE

FROM ANY FRESH AIR INTAKE, OPERABLE WINDOWS, DOORS AND 10'-0"

44. PROVIDE ALL FRESH AIR INTAKES AND EXHAUST OUTLETS WITH HOOD, 1/2"

45. ALL HVAC UNITS OR SYSTEMS SERVING A COMMON AIR SPACE MUST BE

SMOKE DETECTORS IN LIEU OF DUCT DETECTORS) WITHOUT

JURISDICTION FOR RELEASING SERVICE.

UNLESS OTHERWISE NOTED ON PLAN.

TO ADDITIONS OR ALTERATIONS.

WHICH MAY ENTER THE SYSTEM.

CODE, WHICHEVER IS MORE STRINGENT

GALVANIZED MESH SCREENS AND OUTSIDE AIR BACK-DRAFT DAMPERS.

INTERCONNECTED TO SHUT DOWN IMMEDIATELY UPON ALARM CONDITION

RELAYS USED FOR SHUT DOWN MUST BE APPROVED BY STATE OR LOCAL

FROM DUCT DETECTORS (OR FIRE ALARM SYSTEM WHEN USING AREA

INTERFERENCE FROM EMS OR ANY OTHER SYSTEMS. ALL CONTROL

PURCHASING PARTY SHALL ENSURE THE MOTOR SPECS PRIOR TO

ORDERING EXHAUST SYSTEM TO ENSURE THE PANEL IS BUILT

47. REDWOOD SLEEPER OR PLATFORM FOR ROOF MOUNTED UNIT, DUCT

PENETRATION, CUTTING AND PATCHING BY GENERAL CONTRACTOR.

48. 42" MINIMUM GUARDS TO BE PROVIDED WHEN ROOF MOUNTED OR ROOF

ACCESS EQUIPMENT THAT REQUIRE SERVICE ARE LOCATED WITHIN 10' OF

A ROOF EDGE OR OPEN SIDE OF A WALKING SURFACE AND SUCH EDGE

OR OPEN SIDE IS LOCATED MORE THAN 30" ABOVE THE ROOF SURFACE.

CA GREEN BUILDING NOTES

5.504.1 TEMPORARY VENTILATION. IF THE HVAC SYSTEM IS USED DURING

CONSTRUCTION, USE RETURN AIR FILTERS WITH A MERV OF 8, BASED ON

5.504.3 COVERING OF DUCT OPENINGS AND PROTECTION OF MECHANICAL

EQUIPMENT DURING CONSTRUCTION. AT THE TIME OF ROUGH INSTALLATION

OF THE HEATING, COOLING AND VENTILATING EQUIPMENT, ALL DUCT AND

5.504.5.3 IN MECHANICALLY VENTILATED BUILDINGS, PROVIDE REGULARLY

AND DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP

OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED

WITH TAPE, PLASTIC, SHEET METAL OR OTHER METHODS ACCEPTABLE TO THE

ENFORCING AGENCY TO REDUCE THE AMOUNT OF DUST, WATER AND DEBRIS

OCCUPIED AREAS OF THE BUILDING WITH AIR FILTRATION MEDIA FOR OUTSIDE

AND RETURN AIR PRIOR TO OCCUPANCY THAT PROVIDES AT LEAST A MERV OF

5.506.1 FOR MECHANICALLY OR NATURALLY VENTILATED SPACES IN BUILDINGS,

MEET THE MINIMUM REQUIREMENTS OF SECTION 120.1 OF THE CALIFORNIA

ENERGY CODE AND CHAPTER 4 OF CCR, TITLE 8, OR THE APPLICABLE LOCAL

ASHRAE 52.2-1999, OR AN AVERAGE EFFICIENCY OF 30% BASED ON ASHRAE

52.1-1992. REPLACE ALL FILTERS IMMEDIATELY PRIOR TO OCCUPANCY. APPLIES

41. ALL CEILING DIFFUSERS ARE 4-WAY UNLESS OTHERWISE NOTED.

OTHERWISE NOTED PER CODE.

MINIMUM ABOVE GRADE.

CORRECTLY.

LOCATION OF FIRE-RATED CEILINGS AND WALLS ARE AS

PROVIDE AUTOMATIC FIRE DAMPERS AT ALL PENETRATIONS

CONTRACTOR SHALL COORDINATE WITH FIRE-RATED CEILING

DRAWINGS. THIS NOTE SHALL TAKE PRECEDENCE OVER ANY

CONTRACTOR SHALL ADD INSULATION THICKNESS INTO CONSIDERATION

AND SHALL BE SPACED AT NO MORE THAN 7'-0" ON CENTERS AND SHALL BE

33.ALL DUCTWORK SIZE SHOWN ON PLAN ARE INTERIOR DIAMETER.

CEILING SPACE WITHOUT ADDITIONAL FEE CHARGE.

FOR DUCTS AND CLOSURE SYSTEMS, INCLUDING COLLARS,

39. AUTOMATIC FIRE DAMPER REQUIREMENTS ARE AS FOLLOWS:

38. INSTALL VOLUME CONTROL DAMPERS AT EACH SUPPLY DIFFUSER TO

- 2. THE OWNER SHALL PAY FOR ALL PERMITS AND FEES.
- 3. CONTROL LOW VOLTAGE WIRING BY MECHANICAL CONTRACTOR AND CONDUIT BY ELECTRICAL CONTRACTOR.
- 4. CONDENSATE DRAIN PIPING AND FINAL CONNECTION TO UNIT BY PLUMBING
- PURCHASING ANY MECHANICAL EQUIPMENT.
- CONFORM TO LOCAL EPA STANDARD BEFORE PURCHASING EQUIPMENT.
- SIZE AND LOCATION OF DUCTWORK ROOF OPENINGS AND WITH ELECTRICAL LOCATION.

- 13.ANY MATERIAL, ARTICLE OR PIECE OF EQUIPMENT OTHER THAN THAT
- 15.COORDINATE ENTIRE INSTALLATION OF THE H.V.A.C. SYSTEM WITH THE INSTALLATION. PROVIDE ALL FITTINGS, OFFSETS, AND TRANSITIONS AS
- INDEPENDENT AIR BALANCE CONSULTANT. A CERTIFIED AABC OR NEBB.
 - b.STATIC PRESSURE READINGS AT INLET AND DISCHARGE OF EACH AIR HANDLING SYSTEM AND AT INLET OF EACH EXHAUST AIR
 - c.COOLING AND HEATING SUPPLY AND RETURN AIR TEMPERATURES AT EACH AIR CONDITIONING UNIT.
- 17.WARRANTIES; 1-YEAR WARRANTY FOR EQUIPMENT, 5-YEAR COMPRESSORS. REFER TO CONSTRUCTION CONTRACT FOR OTHER APPLICABLE
- FOR A COMPLETE WORKABLE INSTALLATION. 20.ALL HVAC AND FAN UNITS SHOWN ON THE PLAN IS RECOMMENDED. FINAL
- MECHANICAL ENGINEER. 21.THE HVAC SYSTEM AND COMPONENTS SHALL BE TESTED, ADJUSTED AND
- TOTAL SYSTEM BALANCE (6TH EDITION).
- 23.THERMOSTAT SHALL BE 24 VOLT, ONE STAGE HEATING AND ONE OR TWO STAGE COOLING WITH MATCHING SUBBASE AND TAMPER PROOF COVER.
- 25.CONDENSATE WASTE SHALL CONNECT INDIRECTLY TO THE DRAINAGE SYSTEM THROUGH AN AIR GAP OR AIR BREAK TO PROPERLY TRAPPED AND VENTED RECEPTORS, DRY WELLS, OR THE TAILPIECE OF A PLUMBING FIXTURE.
- BY DIRECT CONNECTION TO A LAVATORY TAILPIECE OR TO AN APPROVED ACCESSIBLE INLET ON A BATHTUB OVERFLOW, THE CONNECTION SHALL BE LOCATED IN AN AREA CONTROLLED BY THE SAME PERSON CONTROLLING
- 28.THE HEATING AND COOLING DUCT SYSTEM IS SIZED IN ACCORDANCE WITH
- MECHANICAL EQUIPMENT.
- 30.DUCTWORK SHALL BE INSULATED OR LINED AS NOTED ON DRAWINGS. ALL OTHERWISE INDICATED OR SPECIFIED. ALL DUCT SIZES ARE SHEET METAL

CA TITLE 24 NOTES

ADIMINISTRATIVE REQUIREMENTS:

A. THE PERSON WITH OVERALL RESPONSIBILITY FOR CONSTRUCTION OR THE PERSON RESPONSIBLE FOR THE INSTALLATION OF REGULATED FEATURES. MATERIALS, COMPONENTS, OR MANUFACTURED DEVICES SHALL POST, OR MAKE AVAILABLE WITH THE BUILDING PERMIT(S) ISSUED FOR THE BUILDING, THE REQUIRED INSTALLATION CERTIFICATE(S) FOR FEATURES, MATERIALS, COMPONENTS, OR MANUFACTURED DEVICES REGULATED BY THE APPLIANCE EFFICIENCY REGULATIONS OR PART 6. SUCH INSTALLATION CERTIFICATE(S) SHALL BE MADE AVAILABLE TO THE ENFORCEMENT AGENCY FOR ALL APPROPRIATE INSPECTIONS. THESE CERTIFICATES SHALL: A.1.IDENTIFY FEATURES, MATERIALS, COMPONENTS, OR

> WITH THE APPLIANCE EFFICIENCY REGULATIONS AND PART 6. A.2.INCLUDE A STATEMENT INDICATING THAT THE FEATURES, MATERIALS, COMPONENTS, OR MANUFACTURED DEVISE CONFORM TO THE APPLIANCE EFFICIENCY REGULATIONS AND PART 6 AND THE REQUIREMENTS FOR SUCH FEATURES, MATERIALS, COMPONENTS, OR MANUFACTURED DEVICES GIVEN IN THE PLANS AND SPECIFICATIONS APPROVED BY THE LOCAL ENFORCEMENT AGENCY.

MANUFACTURED DEVICES REQUIRED TO VERIFY COMPLIANCE

A.3. STATE THE NUMBER OF THE BUILDING PERMIT UNDER WHICH THE CONSTRUCTION OR INSTALLATION WAS PERFORMED.

- B. WITHIN 90 DAYS AFTER ISSUANCE OF CERTIFICATE OF OCCUPANCY RECORD DRAWINGS SHALL BE PROVIDED TO THE OWNER. IF A BUILDING DESIGN FEATURE, MATERIAL, COMPONENT OR MANUFACTURED DEVICE IS CHANGED BEFORE FINAL CONSTRUCTION AND INSTALLATION, SUCH THAT THE BUILDING MAY NO LONGER COMPLY WITH PART 6. THE BUILDING MUST BE BROUGHT INTO COMPLIANCE, AND SO INDICATED ON AMENDED PLANS AND CERTIFICATE OF COMPLIANCE(S) THAT SHALL BE SUBMITTED FOR
- C. THE BUILDER SHALL PROVIDE THE BUILDING OWNER OR THE PERSON(S) RESPONSIBLE FOR BUILDING MAINTENANCE (IN CASE OF MULTI-TENANT OR CENTRALLY OPERATED BUILDINGS) AT OCCUPANCY THE FOLLOWING:
 - C.1. OPERATING INFORMATION: THE APPROPRIATE CERTIFICATE(S) OF COMPLIANCE AND A LIST OF THE FEATURES, MATERIALS, COMPONENTS, AND MECHANICAL DEVICES INSTALLED IN THE BUILDING AND INSTRUCTIONS ON HOW TO OPERATE THEM EFFICIENTLY.
 - C.2. MAINTENANCE INFORMATION: REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY STATED AND INCORPORATED ON A READILY ACCESSIBLE LABEL. THE LABEL MAY BE LIMITED TO IDENTIFYING THE OPERATION AND MAINTENANCE MANUAL.
 - C.3. VENTILATION INFORMATION: A DESCRIPTION OF THE QUANTITIES OF OUTDOOR AND RECIRCULATED AIR THAT THE VENTILATION SYSTEMS ARE DESIGNED TO PROVIDE TO EACH

MANDATORY MEASURES:

- A. ALL HVAC EQUIPMENT SHALL BE CERTIFIED BY THE CALIFORNIA ENERGY COMMISSION TO COMPLY WITH LOCAL EFFICIENCY STANDARDS.
- B. JOINTS, PENETRATIONS AND OTHER OPENINGS IN THE BUILDING ENVELOPE THAT ARE POTENTIAL SOURCES OF AIR LEAKAGE SHALL BE CAULKED. GASKETED, WEATHER STRIPPED, OR OTHERWISE SEALED TO LIMIT INFILTRATION AND EXFILTRATION.
- C. ALL MECHANICAL VENTILATION AND SPACE-CONDITIONING SYSTEMS SHALL BE DESIGNED WITH DUCTWORK, DAMPERS, AND CONTROLS WHICH ALLOWS OUTSIDE AIR RATES TO BE OPERATED AT THE LARGER OF (1) THE MINIMUM LEVELS SPECIFIED IN SECTION 120.1(C)3 OR (2) THE RATE REQUIRED FOR MAKE-UP OF EXHAUST SYSTEMS THAT ARE REQUIRED FOR AN EXEMPT OR COVERED PROCESS, FOR CONTROL OF ODORS, OR FOR THE REMOVAL OF CONTAMINANTS WITHIN THE SPACE. MEASURED OUTSIDE AIR RATES OF CONSTANT AND VARIABLE VOLUME MECHANICAL VENTILATION SYSTEMS
- D. THE THERMOSTATIC CONTROLS FOR HVAC SYSTEMS SHALL BE CAPABLE OF BEING SET LOCALLY OR REMOTELY BY TO CONTROL COMFORT HEATING DOWN TO 55 °F OR LOWER AND COOLING UP TO 85°F OR HIGHER. THE THERMOSTATIC CONTROLS SHALL BE CAPABLE OF PROVIDING A DEAD BAND RANGE OF AT LEAST 5 °F WITHIN WHICH HEATING AND COOLING ENERGY TO THE ZONE IS SHUT OFF OR REDUCE TO A MINIMUM.

SHALL BE WITHIN 10% OF OUTSIDE AIR RATE SHOWN ON TABLE 120.1-A.

- E. AIR DISTRIBUTION SYSTEM DUCTS AND PLENUMS, INCLUDING, BUT NOT LIMITED TO. BUILDING CAVITIES. MECHANICAL CLOSETS, AIR-HANDLER BOXES AND SUPPORT PLATFORMS USED AS DUCTS OR PLENUMS. SHALL BE INSTALLED, SEALED AND INSULATED TO MEET THE REQUIREMENTS OF CHAPTER 6 CMC CODE AND ANSI/SMACNA -006-2006 HVAC DUCT CONSTRUCTION STANDARDS METAL AND FLEXIBLE. SUPPLY-AIR DUCTS CONVEYING HEATED OR COOLED AIR SHALL BE INSULATED TO A MINIMUM INSTALLED LEVEL OF R-4.2 (R-8 IN UNCONDITIONED SPACE), UNLESS DUCTS ARE IN CONDITIONED SPACE.
- F. MAXIMUM LENGTH OF FLEXIBLE DUCT AND CONNECTORS SHALL NOT BE MORE THAN 5 FEET. FLEXIBLE DUCTS SHALL NOT BE USED IN LIEU OF RIGID ELBOWS.
- G. EACH SPACE-CONDITIONING SYSTEM SHALL BE INSTALLED WITH CONTROLS (1) CAPABLE OF AUTOMATICALLY SHUTTING OFF THE SYSTEM DURING PERIODS OF NON-USE AND SHALL HAVE (A) 4-HR TIMER OR; (B) OCCUPANCY SENSORS OR; (C) AUTO TIME SWITCH CONTROLS AND ACCESSIBLE MANUAL OVERRIDE FOR UP TO 4-HRS. (2) AUTOMATICALLY RESTART AND TEMPORARILY OPERATE THE SYSTEM TO MAINTAIN SETBACK THERMOSTAT SETPOINTS FOR MECHANICAL HEATING AND COOLING. (3) MULTIPURPOSE. CLASSROOMS CONFERENCE, CONVENTION, AUDITORIUM AND MEETING CENTER ROOMS OF CERTAIN SIZE WHICH DO NOT HAVE PROCESSES OR OPERATIONS THAT GENERATE DUSTS, FUMES, VAPORS OR GASSES SHALL BE EQUIPPED WITH OCCUPANT SENSOR(S) TO ACCOMPLISH THE FOLLOWING DURING UNOCCUPIED PERIODS (A) AUTOMATICALLY SETUP THE OPERATING COOLING TEMPERATURE SET POINT BY 2°F OR MORE AND SETBACK THE OPERATING HEATING TEMPERATURE SET POINT BY 2°F OR MORE AND; (B) AUTOMATICALLY RESET THE MINIMUM REQUIRED VENTILATION RATE WITH AN OCCUPANT SENSOR VENTILATION CONTROL DEVICE ACCORDING TO SECTION 120.1(C)5. (4) HOTEL AND MOTEL GUEST ROOMS SHALL HAVE CAPTIVE CARD KEY CONTROLS, OCCUPANCY SENSING CONTROLS, OR AUTOMATIC CONTROLS SUCH THAT, NO LONGER THAN 30 MINUTES AFTER THE GUEST ROOM HAS BEEN VACATED, SETPOINTS ARE SETUP AT LEAST +5°F (+3°C) IN COOLING MODE AND SET-DOWN AT LEAST -5°F (-3°C) IN HEATING MODE.



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CONTRACTOR CONTRACTOR TO PULL PERMIT AFTER APPROVAL OF PLANS AMERICAN CONSTRUCTION COMPANY

1130 N KRAEMER BLVD #I ANAHEIM, CA 92806 LIC#1073807

PROJECT NAME LOCATION

AUTHORITY HAVING JURISDICTION (AHJ)

2

REVISION REVISION REVISION SEQUENCE DESCRIPTION DATE

BUILDING DEPARTMENT | CITY OF CORONA

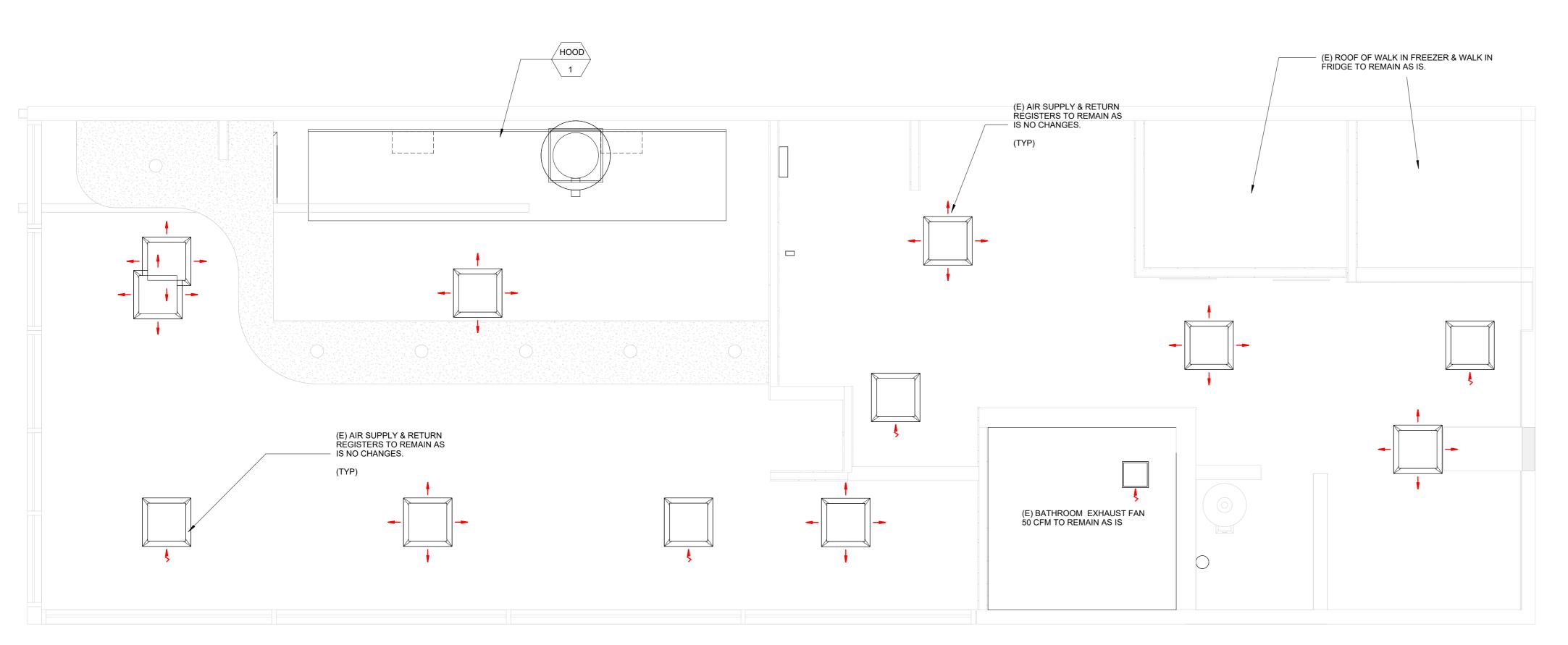
REVISION SCHEDULE

ENGINEER OF RECORD

REVIEWED BY SEAL / STAMP THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER IS THE LEGAL REPRESENTATION THAT THIS ENGINEERING DRAWINGS, PLANS, AND SPECIFICATIONS WERE PREPARED EITHER BY THE PROFESSIONAL ENGINEER OR ANY OF ACC ENGINEERING FIRM DESIGNERS WHO WERE UNDER THE RESPONSIBLE CHARGE (DIRECT CONTROL AND PERSONAL SUPERVISION) OF THE PROFESSIONAL ENGINEER. IT FURTHER CERTIFIES THAT THE WORK PERFORMED WA DONE COMPETENTLY MEETS THE PROFESSIONAL STANDARD OF CARE, AND IS IN ACCORDANCE WITH ACCEPTED STANDARDS OF



SHEET NAME MECHANICAL NOTES



IMPORTANT NOTE TO CONTRACTOR

ALL HVAC COMPONENTS SHOWN ON THIS PLAN INCLUDING AIR REGISTERS & DUCT ARE EXISTING AND TO REMAIN AS IS. NO CHANGES (V.I.F)

ENVIRONMENTAL EXHAUST OUTLETS SHALL TERMINATE OUTSIDE THE BUILDING AND SHALL BE EQUIPPED WITH A BACK DRAFT DAMPER TERMINATE NO LESS THAN 3 FEET FROM PROPERTY LINE, 3 FEET FROM OPENINGS INTO THE BUILDING, 10 FEET FROM FORCED AIR INLET, PROVIDE VENT OUTLET.. OPENINGS SHALL HAVE CORROSION-RESISTANT WIRE MESH OR OTHER APPROVED METAL WITH 1/16-IN, MINIMUM AND1/4-IN. MAXIMUM OPENING.

PROVIDE AIR TEST & BALANCE BY CERTIFIED THIRD PARTY AFTER THE INSTALLATION OF ALL MECHANICAL EQUIPMENT.

EXIST'G 24"X24" RECESSED CL'G MT'D HVAC SUPPLY DIFFUSER TO REMAIN (V.I.F)

EXIST'G 24"X24" RECESSED CL'G MT'D HVAC RETURN DIFFUSER TO REMAIN (V.I.F)





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CONTRACTOR TO PULL PERMIT AFTER APPROVAL OF PLANS AMERICAN CONSTRUCTION COMPANY 1130 N KRAEMER BLVD #I ANAHEIM, CA 92806

LIC#1073807

PROJECT NAME LOCATION OWNER

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SHEET NAME

MECHANICAL FLOOR PLAN

SHEET NUMBER

M-02

NOTE. EXISTING AIR DIFFUSERS ARE TO REMAIN AS IS AND VERIFIED IN FIELD FOR REFERENCE ONLY

(E) AIR DEVICE SCHEDULE

MARK	FACE SIZE	TYPE	MOUNTING TYPE	DIRECTION	MANUF.	NOTES
S-1	-	SUPPLY	SURFACE/ LAY-IN	4-WAY	TITUS (OR EQUIV.)	1,2,3,4
R-1	-	RETURN	SURFACE/ LAY-IN	1-WAY	TITUS (OR EQUIV.)	1,2,3

1. PROVIDE NECESSARY MOUNTING HARDWARE AND ACCESSORIES AS REQUIRED.

2. ALL AIR DEVICES SHALL HAVE MANUFACTURER-APPLIED STANDARD WHITE FINISH UNLESS NOTED OTHERWISE. REFER TO ARCHITECTURAL DRAWINGS FOR

RCP COORDINATION.

3. AIR DEVICE SHALL BE OF STEEL CONSTRUCTION.

4. AIR DEVICE SHALL BE INSTALLED COMPLETE WITH MANUFACTURER AVAILABLE

MOLDED INSULATION BACKING. FIELD-FABRICATED INSULATION BACKING IS NOT ALLOWED UNLESS FIRST APPROVED BY THE OWNER'S CONSTRUCTION MANAGER.

EXISTING OUTDOOR HEAT PUMP SCHEDULE FOR REFERENCE ONLY

/EQ\	MADIC	MANUEACTUED	MODEL	NOMINAL	COOLING	HEATING		ELECTRICAL	-	550 / O550	OUTDOOR		OSA VENTILATION	
#	MARK	MANUFACTUER	MODEL	TONS	CAP. CAP. (BTUH)		V/PH/HZ	MCA	МОСР	EER / SEER	FAN CFM	HSPF	CFM	
HP -1	1	RHEEM	RQKA - A036JK	4	37,200	36,000	208/230 1 PH 60 HZ.	18/18	20/20	9.5/10	2600	6.8	1700	
NOTES:														
1 INSTALL OUTDOOR UNIT WITH DISCONNECT SWITCH AND ALL WEATHERPROOF GFCI.														
2		INSTALL PER MANUFACTURER'S MANUAL.												
NOTES:														
1	1	THERMOSTATS INS	TALLED AT 48"AFF.											
2	2	EXTEND CONDENS	ATE DRAIN DIRECTLY	TO LAVATOR	RY TAILPIECE	OR FLOOR S	INK W/AIR GA	NP.						
3	3	INSTALL PER MANU	FACTURER'S MANUA	L.										
OUTSIDE AIR CFM TO BE BALANCED TO FOR EXISTING ROOFTOP UNIT. SHOULD MATCH WHAT IS INDICATED ON TITLE-24 COMPLIANCE FORMS.														

	People Ventilation	Area Ventilat	Minimum	Specified	Specified		
Name	Outdoor Air per Person (CFM/Person)	Outdoor Air per Area (CFM/SF)	Area (SF)	Outdoor Airflow (CFM)	Supply Airflow	Return Airflow	
LINUOTY				I	00.0514	00.0514	
UNISEX RESTROOM	8	0.18	49	9	38 CFM	38 CFM	
SERVICE AREA	8	0.18	207	109	160 CFM	160 CFM	
KITCHEN AREA	8	0.18	308	163	282 CFM	282 CFM	
						+	

AIR BALANCE TABLE

SOURCE	TOTAL AIR FLOW										
	SUPPLY/CFM	EXHAUST/CFM	RETURN/CFM	OUTSIDE AIR/CFM							
(N) MAKE UP AIR UNIT	3000	0		3000							
(E) AIR CONDITIONING	2600	0	2600	1460							
(N) HOOD EXHAUST	0	2600									
(E) RESTROOM EXHAUST	0	50									
TOTAL CFM	5600	2650	2600	4460							

ITEM	MAKE	MODEL	CAPACITY	SIZE	OPTIONS	DESCRIPTION
E-F 1	BORAN NUTONE LP50100 DC 50 CFM		13"x14"	EXHUAST-FAN		

								Space Loads												
					Peo	ple Loads	S			Ligh	ting					Powe	er			
Name Numb Area er (SF)	Space Type	Cooling Mode Space Space Temperat	de construction Typ	e Occupancy	LTK-Cou nted Number Num Of Seats ber By of Per	People Per 1000		ain Per Person	Base Lighting Load	Specified		User	Actual Loads Read From Light Fixtures Space		Specified	d - User	· Defined	Actual Read Read Elect Connect Elect Fixtur	rom rical ors On rical es In	Calculat Space Sensi Calculat ed Latent Cooling Coolin
er (SF)		ure Setpoint re Set	eratu	Unit	By of Person In Linked Models	SF	Heat Load Values	Sens Laten t (Btu/h h)	On	Lighting Load Units	Specifi ed Lightin g Load (W)	Specifi ed Lightin g Load Per Area (W/ft²)	Lightin Lightin g Load Load Per Ar (W) (W/ft²	Load On g	Power Load Units	Powe r Load (W)	Load	Actual Power Load (W)	Actual Power Load Per Area (W/ft²)	Load g Load Load Load (Btu/h) (Btu/h) (Btu/h))
UNISEX EXIST 49	<building></building>	74 70) <building></building>	Area per Person	0 0	0	By Space Type	275 275 550	By Space Type	Power Density	69	1.40	100 2.02	By Space Type	Power Density	89	1.80	0	0.00	905 0 905 491
SERVICE 18 207	<building></building>	74 70) <building></building>	By Space Type	10 22	46	By Space Type	275 275 550	By Space Type	Power Density	290	1.40	240 1.16	By Space Type	Power Density	372	1.80	1260	6.09	6,233 2,644 3,589 976
KITCHEN 19 308	<building></building>	74 70	> Suilding>	By Space Type	14 22	46	By Space Type	275 275 550	By Space Type	Power Density	431	1.40	102 0.33	By Space Type	Power Density	554	1.80	720	2.34	10,137 3,932 6,206 3,095
CUSTOMER 20 282	<building></building>	74 70	> Suilding>	By Space Type	13 22	46	By Space Type	275 275 550	By Space Type	Power Density	395	1.40	62 0.22	By Space Type	Power Density	507	1.80	0	0.00	28,435 3,601 24,83 6,958

Grand total: 4

	Space Supply Airflow										
Name	Area (SF)	Calculated Cooling Load (Btu/h)	Specified Supply Airflow (CFM)	Specified Air Flow Density (CFM/SF)							
LINICEY											
UNISEX RESTROOM	49	905	38	0.78							
SERVICE AREA	207	6,233	160	0.77							
KITCHEN AREA	308	10,137	282	0.92							
CUSTOMER AREA	282	28,435	928	3.29							
Grand total: 4											



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PROJECT NAME LOCATION OWNER 2

AUTHORITY HAVING JURISDICTION (AHJ) BUILDING DEPARTMENT | CITY OF CORONA REVISION SCHEDULE

REVISION REVISION REVISION SEQUENCE DESCRIPTION DATE

ENGINEER OF RECORD REVIEWED BY SEAL / STAMP THE SIGNATURE AND SEAL OF A

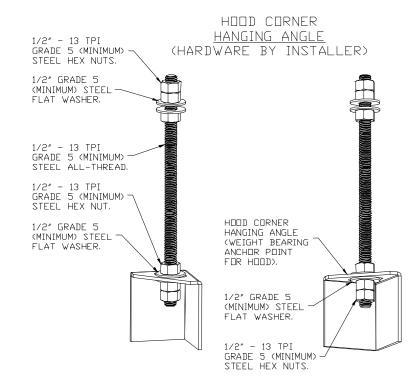
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SHEET NAME

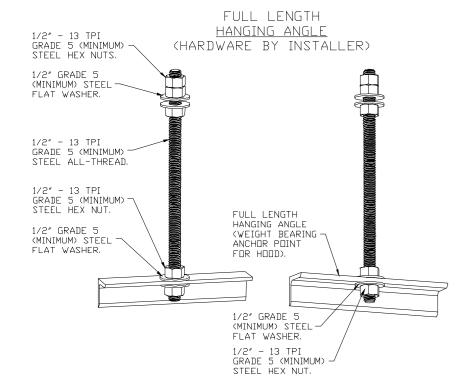
EXISTING SYSTEM MECHANICAL CALCULATIONS

		<u> </u>			MAX		APPLIANCE	DESIGN	TOTAL				JST F ISER(PLENUM (S)			HODD		CONFIG
NO TAG	MODEL M	ANUFACTURE R	2 LEN		JOKING TEMP	TYPE	l l		EXH CFM	WIDTH	LENG	HEIGHT	DIA		VEL	SP	CONSTRUCTION	END TO	ROW
1	4824	ECON-AIR	16′	0"	600	Ţ	HEAVY	250	4000	10"	19″	4"		2000	1650	-0.770"	430 SS	AI DNE	ALONE
1	EX-2				DEG	1				10"	19"	4"		2000 1650 -0.770"		-0.770"	WHERE EXPOSED		
OOD INFO	RMATION	T																	
			F	FILTER(<u>S)</u>					LIGHT	(2)								CABINET(S)
DDD TAG	T,	YPE	QTY	HEIGHT	LENGT	H	FICIENCY @ MICRONS	7 QT	Y	TYPE		W I GU A	RE ARD	LOCATI		SIZE	TYPE	E SYSTEM	M SIZE
1		FLE WITH NDLES	12	16"	16"		30%	4	L55	5 SERIE	S E26	N							



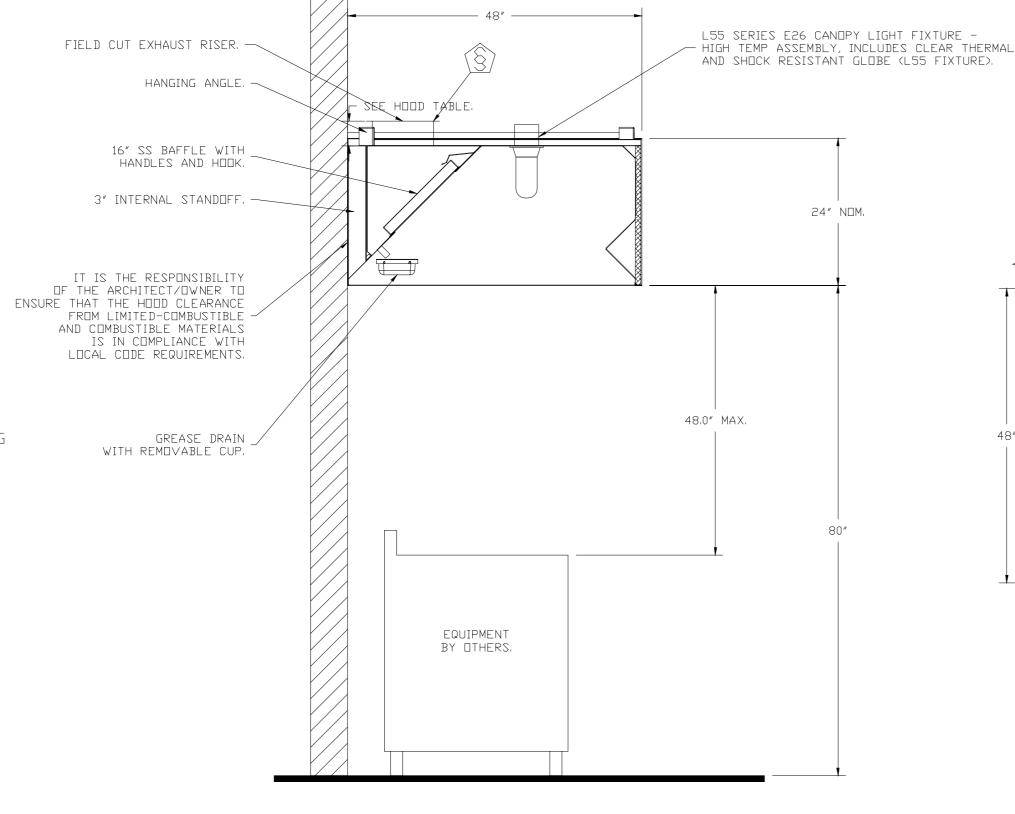
ASSEMBLY INSTRUCTIONS

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.



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<u>SECTION VIEW - MODEL 4824EX-2</u> <u>HOOD - #1</u>

U.L. LISTED L55 SERIES E26 CANDPY LIGHT FIXTURE - HIGH TEMP ASSEMBLY FIRE ANSUL SYSTEM IS DEFFERED SUBMITTALS BY THE FIRE PROTECTION CONTRACTOR. 0 — 16′ 0″N□M./16′ 0.00″□D. —

 $\frac{\text{PLAN VIEW} - \text{HOOD } \#1}{16\text{'} 0.00\text{''} \text{LONG } 4824\text{EX} - 2}$ Note: Additional hanging angles provided for hoods 12' and longer.

ELECTRICAL

MDDEL #

2700 CFM IN 16" DIA. EXHAUST COLLAR = 1934 FPM HOOD CONSTRUCTION OF 18 GAUGE AND 20 GAUGE METAL

CALCULATIONS UTILIZED

Calculations utilized are based on the hood's ETL Listing Exhaust CFM = 16 foot X 225 CFM/lin. ft. (load) = 2700 cfm Supply CFM = 2700 Exhaust CFM X 80 percent = 2160 cfm

Total Duct Area = 144 X — ____ FPM (Note 1) Total Duct Area Duct Length = -

Captive-Aire ventilator duct sizes are calculated using an Exhaust velocity of 1500 - 1800 FPM and a Supply velocity of 800 - 1000 FPM.
 Please consult factory for maximum allowable duct sizes.

Duct Depth (Note 2)



ALL HVAC SUPPLY DIFFUSERS WITHIN 10' OF THE EXHAUST HOOD MUST BE PERFORATED SCREEN STYLE WITH NO DIRECTIONAL VANES. HVAC AIR MUST NOT BLOW AT THE EXHAUS HOOD OR THE APPLIANCES.

ALL HVAC RETURN GRILLS MUST BE AT LEAST 10' FROM THE EXHAUST HOOD THE BACK OF THE FRYERS SHOULD BE NO MORE THAN 6" FROM THE WALL REFER TO HOOD MANUAL FOR PROPER INSTALLATION

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PEVISIONS

FIRE

SWITCHES

QUANTITY

 $H\Box\Box$

562

LBS

PIPING WEIGHT

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CONTRACTOR CONTRACTOR TO PULL PERMIT AFTER APPROVAL OF PLANS AMERICAN CONSTRUCTION COMPANY 1130 N KRAEMER BLVD #I ANAHEIM, CA 92806 LIC#1073807

PROJECT NAME LOCATION OWNER

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AUTHORITY HAVING JURISDICTION (AHJ) **BUILDING DEPARTMENT | CITY OF CORONA** REVISION SCHEDULE

REVISION REVISION REVISION SEQUENCE DESCRIPTION DATE

> ENGINEER OF RECORD REVIEWED BY SEAL / STAMP

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SHEET NAME

M-04

TYPE I EXHAUST HOOD

TE:

शAWN

)WG.#:

SCALE:

3/4" = 1'-0"

MASTE? DRAWING

SHEET NO.

SHEET NUMBER

UL 710 & ULC710 STANDARDS E.T.L. LISTED 3054804-001

SPECIFICATIONS AND NOTES FOR RECTANGULAR GREASE DUCT INSTALLATION

DUCT MATERIAL: THE DUCT SHALL BE CONSTRUCTED FROM A MINIMUM 16 GAUGE (1.59MM) STEEL PLATE, DESIGNED TO PREVENT GREASE LEAKAGE. ALL MATERIALS USED MUST BE NON-COMBUSTIBLE AND COMPATIBLE WITH THE TEMPERATURES AND CHEMICALS ASSOCIATED WITH GREASE-LADEN VAPORS.

DUCT CONSTRUCTION: SEAMS, JOINTS, AND PENETRATIONS MUST BE CONTINUOUSLY WELDED USING A FULL PENETRATION WELD AND MUST BE FREE OF ANY GAPS OR OPENINGS TO PREVENT GREASE LEAKAGE AND ACCUMULATION. JOINTS MUST BE MADE WITH FLANGED, GASKETED, AND BOLTED CONNECTIONS.

GREASE DUCT SIZE: THE GREASE DUCT SIZE SHALL ACCOMMODATE THE TWO EXHAUST RISERS FROM THE HOOD, EACH MEASURING 10" X 19". THE CROSS-SECTIONAL AREA OF THE DUCT SHALL NOT BE LESS THAN THE AREA REQUIRED TO SERVE THE CFM RATINGS PROVIDED BY THE EXHAUST FAN AND RISER DIMENSIONS.

GREASE DUCT ROUTING: THE DUCT RUN SHALL BE AS DIRECT AS POSSIBLE, WITH A MAXIMUM LENGTH OF 6-10 FEET. THE DUCT SHALL BE INSTALLED WITH A SLOPE NOT LESS THAN 1/4 INCH PER FOOT TOWARD THE HOOD TO ENSURE GREASE DRAINS BACK TO THE GREASE RECEPTACLE.

CLEARANCE TO COMBUSTIBLES: A MINIMUM CLEARANCE OF 18 INCHES SHALL BE MAINTAINED BETWEEN THE DUCT AND ANY COMBUSTIBLE MATERIAL UNLESS REDUCED CLEARANCES ARE ALLOWED BY MEANS OF A LISTED AND LABELED DUCT WRAP MATERIAL.

THERMAL INSULATION: THE DUCTWORK SHALL BE EXTERNALLY WRAPPED WITH UL-LISTED GREASE DUCT INSULATION WHERE REQUIRED TO MAINTAIN THE DUCT SURFACE TEMPERATURE BELOW ALLOWABLE LIMITS AS PER LOCAL CODES

DUCT ACCESS: PROVIDE UL-LISTED ACCESS DOORS AT ALL CHANGES OF DIRECTION, AT THE BASE OF EACH VERTICAL RISER, AND AT MAXIMUM INTERVALS OF 12 FEET. ACCESS DOORS SHALL BE TIGHT-FITTING AND GASKETED TO PREVENT GREASE LEAKAGE.

FIRE-STOPPING AND SEALING: ALL PENETRATIONS OF FIRE-RATED ASSEMBLIES SHALL BE PROPERLY FIRE-STOPPED USING UL-LISTED MATERIALS AND SYSTEMS APPROPRIATE FOR GREASE DUCT PENETRATIONS.

CLEANING AND INSPECTION OPENINGS: ADEQUATE ACCESS SHALL BE PROVIDED FOR CLEANING AND INSPECTION. SUCH ACCESS POINTS SHOULD BE PLACED AT THE SIDES OR TOP OF THE DUCT, NOT AT THE BOTTOM, UNLESS DESIGNED TO DRAIN TO A SUITABLE GREASE COLLECTION DEVICE.

GREASE COLLECTION DEVICES: PROVIDE GREASE BOXES OR OTHER COLLECTION DEVICES AT THE BASE OF EACH RISER, DESIGNED FOR EASY AND SAFE REMOVAL AND CLEANING.

DUCT SUPPORT AND ANCHORING: SUPPORTS SHALL BE DESIGNED TO CARRY THE WEIGHT OF THE DUCTWORK AND ANY ACCUMULATED GREASE. SUPPORTS SHALL BE OF NON-COMBUSTIBLE MATERIAL AND SPACED AS REQUIRED TO PREVENT SAGGING AND TO MAINTAIN ALIGNMENT.

VIBRATION ISOLATION: WHERE THE DUCTWORK CONNECTS TO THE HOOD AND FAN, USE FLEXIBLE CONNECTORS TO MINIMIZE THE TRANSMISSION OF VIBRATION.

DUCT EXPANSION: ACCOMMODATE THERMAL EXPANSION OF THE DUCTWORK IN THE DESIGN, PARTICULARLY FOR DUCT RUNS EXPOSED TO TEMPERATURE VARIATIONS.

FLUE GASES: THE DUCT SYSTEM SHALL BE DESIGNED TO HANDLE THE FLUE GASES AT TEMPERATURES COMMENSURATE WITH THE OPERATIONS CONDUCTED BENEATH THE HOOD. THE MAXIMUM TEMPERATURE SHALL NOT EXCEED THE RATED TEMPERATURE FOR THE DUCT MATERIAL AND CONSTRUCTION.

WELDING STANDARDS: ALL WELDING SHALL COMPLY WITH APPLICABLE AWS STANDARDS, AND WELDERS MUST BE CERTIFIED FOR THE TYPE OF WELDING REQUIRED FOR GREASE DUCT CONSTRUCTION.

CODE COMPLIANCE: ALL INSTALLATIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE 2022 CALIFORNIA MECHANICAL CODE, NFPA 96, AND ALL APPLICABLE LOCAL BUILDING CODES.

INSPECTION REQUIREMENTS: UPON INSTALLATION, THE DUCTWORK SHALL BE INSPECTED TO VERIFY THAT CONSTRUCTION COMPLIES WITH THE PLANS, SPECIFICATIONS, AND ALL APPLICABLE CODES AND STANDARDS.

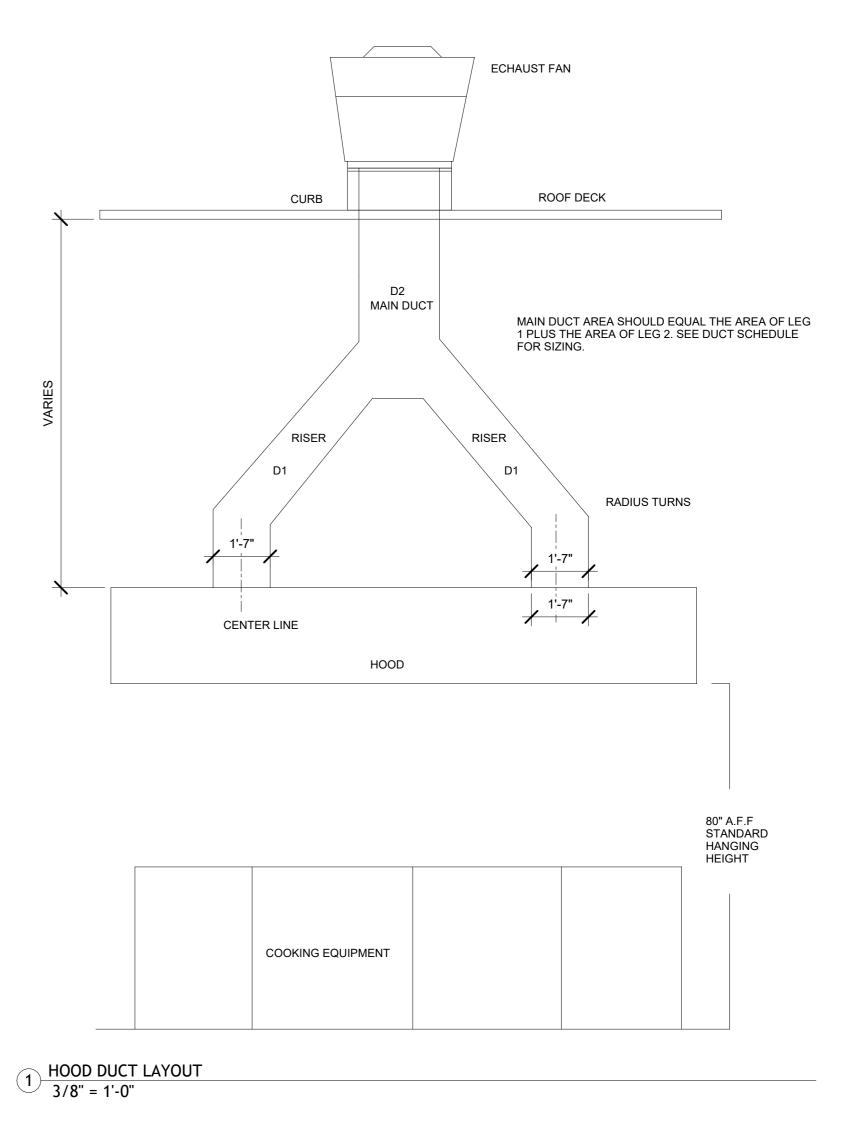
	MECHANICA	L DU	JCT SC	HEDU	LE – GRI	EASE	DUCT SYSTEM
ITEM NO.	DUCT ELEMENT	QTY	LEGNTH	SIZE	MATERIAL	CFM	NOTES
D-1	RISER DUCT	2	AS REQ.	10"X19"	16 GUAGE GALV. STEEL	1350	EACH RISER CONNECTS HOOD TO THE MAIN DUCT. SEAMS FULLY WELDED.
D-2	MAIN DUCT	1	AS REQ.	14"X27"	16 GUAGE GALV. STEEL	2700	CONNECTS TWO RISERS TO EXHAUST FAN. INCLUDES INSPECTION AND CLEANING ACCESS PANELS PER NFPA 96.

NOTES

- D1 (RISER DUCTS): TWO RISER DUCTS SERVE AS INITIAL VERTICAL EXHAUST PASSAGES FROM THE TYPE
 1 HOOD, DESIGNED FOR COMMERCIAL KITCHEN GREASE EXTRACTION. EACH RISER IS INDIVIDUALLY
 CAPABLE OF HANDLING UP TO 1350 CFM, MEETING THE 2700 CFM TOTAL REQUIREMENT WHEN
 COMBINED.
- D2 (MAIN DUCT): THE MAIN DUCT RECEIVES COMBINED AIRFLOW FROM BOTH RISER DUCTS,
 TRANSITIONING THE EXHAUST TO THE ROOFTOP FAN. THE MAIN DUCT IS SIZED TO MAINTAIN THE

 MELOCITY (AND MORE AND MORE AND
- VELOCITY AND VOLUME OF EXHAUST WITHOUT CREATING EXCESSIVE NOISE OR PRESSURE LOSS.

 MATERIAL: ALL DUCTWORK IS TO BE FABRICATED FROM 16 GAUGE STEEL MINIMUM TO WITHSTAND THE HIGH-TEMPERATURE AND CORROSIVE NATURE OF KITCHEN EXHAUST.
- CONSTRUCTION: ALL SEAMS AND JOINTS ARE TO BE CONTINUOUSLY WELDED, ENSURING NO GREASE LEAKAGE AND COMPLIANCE WITH FIRE SAFETY CODES.
- INSTALLATION: DUCT INSTALLATION MUST MAINTAIN A MINIMUM 18-INCH CLEARANCE FROM
- COMBUSTIBLE MATERIALS UNLESS OTHERWISE PROTECTED BY A CERTIFIED DUCT WRAP SYSTEM.
 INSPECTION AND CLEANING: ACCESS PANELS ARE TO BE INSTALLED AT EVERY CHANGE IN DIRECTION AND AT MAXIMUM INTERVALS OF 12 FEET TO FACILITATE REGULAR CLEANING AND INSPECTION, IN ACCORDANCE WITH NFPA 96 STANDARDS.
- FIRE SAFETY: DUCTWORK MUST NOT CONTAIN ANY FIRE DAMPERS AND SHOULD BE EQUIPPED WITH ADEQUATE GREASE COLLECTION DEVICES AT THE BASE OF EACH RISER.
- **SUPPORTS:** NON-COMBUSTIBLE SUPPORTS AND HANGERS TO BE SPACED APPROPRIATELY TO SUPPORT THE DUCTWORK AND PREVENT SAGGING.



DUCT SUPPORT NOTES AND SPECIFICATIONS

GENERAL REQUIREMENTS:

- SUPPORT TYPES: DUCTWORK SHALL BE SUPPORTED BY HANGERS, RISER CLAMPS, FLOOR STANDS, OR TRAPEZE SYSTEMS AS APPROPRIATE FOR THE SIZE AND WEIGHT OF THE DUCT AND AS INDICATED IN THE DESIGN DOCUMENTS.
- MATERIAL: ALL DUCT SUPPORTS SHALL BE CONSTRUCTED FROM NON-COMBUSTIBLE AND CORROSION-RESISTANT MATERIALS SUITABLE FOR THE OPERATING ENVIRONMENT. GALVANIZED STEEL OR EQUIVALENT IS RECOMMENDED.
- SPACING: SUPPORT SPACING SHALL NOT EXCEED THE MANUFACTURER'S RECOMMENDATIONS AND SHALL BE DESIGNED TO PREVENT SAGGING, VIBRATION, AND MOVEMENT OF THE DUCTWORK. FOR HORIZONTAL DUCTS, SUPPORTS SHALL BE SPACED NOT MORE THAN 10 FEET APART; FOR VERTICAL RISERS, SUPPORTS SHALL BE PROVIDED AT EACH FLOOR PENETRATION AND AT INTERVALS NOT EXCEEDING 12 FEET.
- ISOLATION: WHERE DUCTS PASS THROUGH WALLS OR FLOORS, THEY SHALL BE ISOLATED FROM THE STRUCTURE WITH NON-COMBUSTIBLE, RESILIENT SPACERS OR SLEEVES TO ACCOMMODATE THERMAL EXPANSION AND TO MINIMIZE VIBRATION TRANSMISSION.
- ALLOWANCE FOR EXPANSION AND CONTRACTION: THE SUPPORT SYSTEM MUST ALLOW FOR EXPANSION AND CONTRACTION OF THE DUCTWORK DUE TO TEMPERATURE CHANGES WITHOUT COMPROMISING STRUCTURAL INTEGRITY OR CAUSING UNDUE STRESS ON THE DUCT.
- LOAD DISTRIBUTION: SUPPORTS SHALL DISTRIBUTE THE LOAD EVENLY WITHOUT DEFORMING THE DUCTWORK. LOAD RATINGS FOR ALL SUPPORT COMPONENTS MUST EXCEED THE COMBINED WEIGHT OF THE DUCTWORK AND ANY POTENTIAL ACCUMULATION WITHIN, SUCH AS GREASE.
- ANCHOR STRENGTH: ANCHORS USED TO SECURE SUPPORTS TO THE BUILDING STRUCTURE MUST BE SUITABLE FOR THE SUBSTRATE MATERIAL AND SHALL BE DESIGNED TO RESIST THE LOADS IMPOSED BY THE DUCTWORK AND ANY ADDITIONAL FORCES SUCH AS SEISMIC OR WIND LOADS.

SPECIFIC INSTALLATION INSTRUCTIONS:

- HORIZONTAL DUCTS: SUPPORT SHALL BE PROVIDED BY HANGERS NOT MORE THAN 1 INCH WIDE AND SPACED AT INTERVALS NOT TO EXCEED 10 FEET. HANGERS SHALL BE SECURED USING STEEL RODS OR ANGLE BRACKETS.
- VERTICAL DUCTS: RISERS SHALL BE SUPPORTED AT EACH FLOOR WITH RISER CLAMPS OR STEEL BRACKETS THAT FULLY ENCIRCLE THE DUCT WITHOUT IMPEDING THERMAL MOVEMENT.
- LARGE DUCTS: DUCTS EXCEEDING 24 INCHES IN WIDTH OR HEIGHT SHALL BE SUPPORTED BY STEEL TRAPEZE SYSTEMS OR FLOOR STANDS. FLOOR STANDS SHALL BE BOLTED OR WELDED TO THE DUCT AND ANCHORED TO THE FLOOR.
- PENETRATIONS: AT PENETRATIONS, USE SLEEVES THAT ARE 2 INCHES LARGER THAN THE DUCTWORK TO ALLOW FOR THERMAL EXPANSION AND TO PREVENT CONTACT WITH THE STRUCTURE. FIRE-RATED CAULKING OR INTUMESCENT WRAP SHALL BE USED AROUND PENETRATIONS AS REQUIRED.
- VIBRATION ISOLATION: WHERE DUCTS CONNECT TO EQUIPMENT, PROVIDE VIBRATION ISOLATION HANGERS OR CONNECTORS. ISOLATION DEVICES SHALL BE RATED FOR THE WEIGHT OF THE DUCT SECTION AND THE TRANSMITTED FORCES FROM THE CONNECTED EQUIPMENT.
- INSPECTION AND MAINTENANCE: ALL SUPPORT SYSTEMS SHALL BE DESIGNED TO ALLOW ACCESS FOR INSPECTION, CLEANING, AND MAINTENANCE WITHOUT DISASSEMBLING THE SUPPORT SYSTEM.



<u>COMPLIANCE:</u>
SUPPORT DESIGNS AND INSTALLATIONS SHALL ADHERE TO THE CURRENT VERSIONS OF THE SMACNA HVAC DUCT CONSTRUCTION STANDARDS, 2022 CALIFORNIA MECHANICAL CODE, AND ALL OTHER RELEVANT CODES AND REGULATIONS.

ENGINEERING APPROVAL:

THE ENTIRE SUPPORT SYSTEM LAYOUT IF DIFFERENT THAN THE PLANS MUST BE REVIEWED AND APPROVED BY THE MECHANICAL ENGINEER BEFORE INSTALLATION. POST-INSTALLATION INSPECTIONS SHOULD CONFIRM COMPLIANCE WITH THE DESIGN AND ADEQUACY OF THE INSTALLATION.



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AUTHORITY HAVING JURISDICTION (AHJ)
BUILDING DEPARTMENT | CITY OF CORONA

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1 Revision 1 04-19-2024

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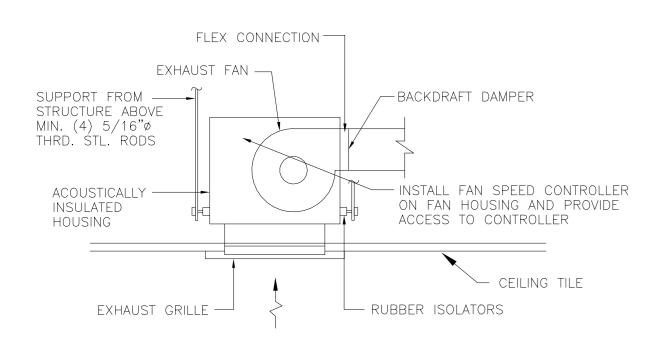


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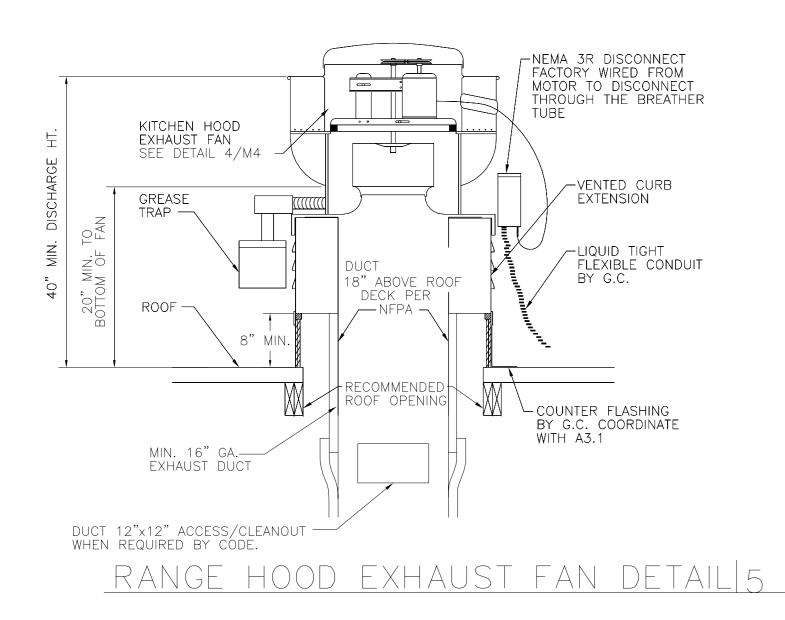
EXHAUST HOOD GREASE DUCT

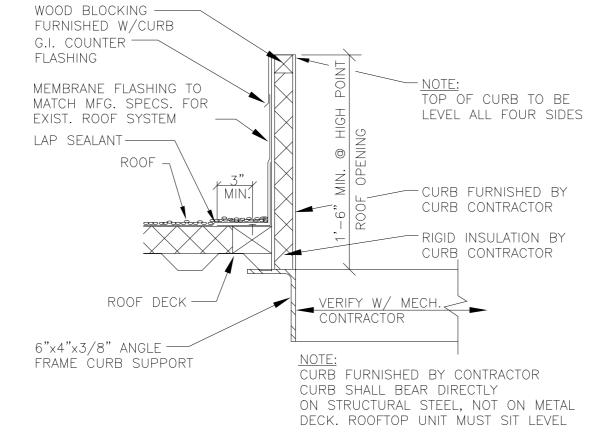
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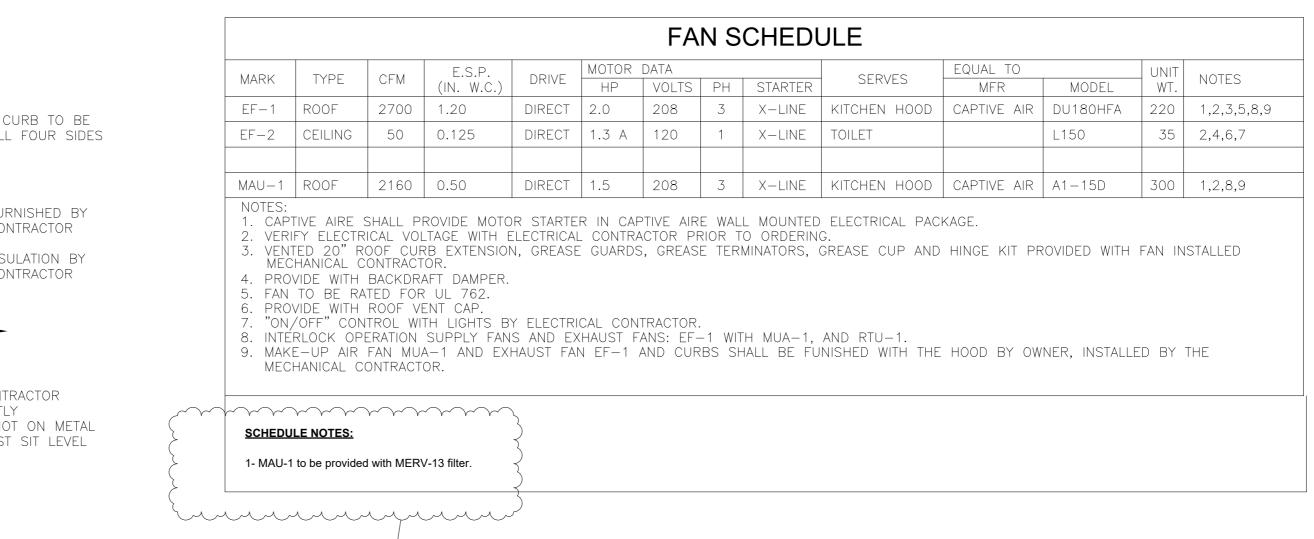


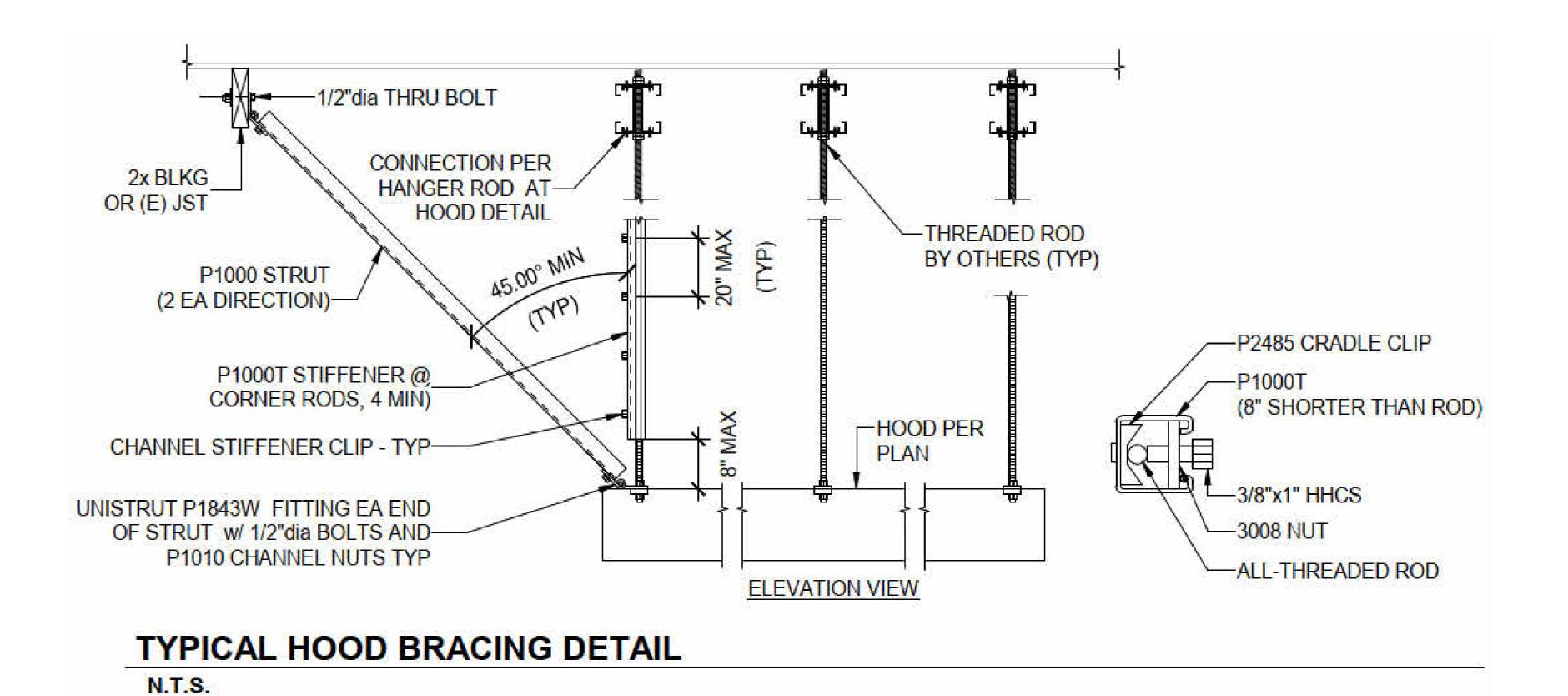
CEILING MTD. EXHAUST FAN 1





ROOF CURB SECTION 3







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TY RESTAURANT TENANT IMPROVEMENTS

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CORONA, CA 92879

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SHEET NAME

MECHANICAL SCHEDULE & DETAILS

1. Product Description
FireMaster® FastWrap XL is a flexible blanket composed of high temperature fibers classified for applications to 2192°F (1200°C) and fully encapsulated in a durable glass fiber reinforced foil facing for easy handling and installation. FastWrap XL is UL Classified and ULC Listed in various systems for 1 and 2 hour fire resistive enclosure protection, reduced clear-ance for kitchen exhaust ducts, electrical circuit protection, and as a component in various UL firestop designs for fire resistance rated floors, ceilings, and walls. The core fibers in FastWrap XL are manufactured using Thermal Ceramics patented Superwool® fiber which is an alkaline-earth silicate wool with low biopersistence and therefore increased safety for

· Zero clearance to combustibles at any location Thin and Lightweight at 1-1/2" (38mm) thick, 6 pcf (96 kg/m³) Contours easily to complex duct designs

nstallers. FastWrap XL is under UL's Follow-Up Service

Program to ensure the consistent quality essential to this life-

Optimized installation with inside layer butt joints on grease duct enclosures per ASTM E 2336 · Fully foil encapsulated for fast and clean installation · Contains 2192°F (1200°C) rated fibers for added safety

· Wide variety of through penetration firestop systems Resistant to mold growth · Good sound absorption 2. Applications

· 1 and 2 hour enclosure and firestop system for kitchen · Zero clearance from enclosure to combustibles for kitchen exhaust ducts 1 and 2 hour enclosure and firestop system for hazardous exhaust ducts, pressurization ducts, clothes dryer exhaust ducts, trash and linen chutes, and other fire rated HVAC

· 1 hour circuit integrity protection for cable trays and steel Engineered solutions and tested systems for fire protection of structural steel beams and columns, and storage vessels per ASTM E119, ISO 834, and UL1709

Product	Unit	Size	Units/ Ctn.	Wt./ Ctn.
FastWrap XL	Roll	1-1/2" x 24" x 25"	1	37.5 lbs
FastWrap XL	Roll	1-1/2" x 48" x 25'	1	75 lbs.
FastWrap XL Collar	Roll	1-1/2" x 6" x 25'	4	37.5 lbs
Color	White	blanket with silver f	oil encaps	sulation

FastWrap® XL Commercial Kitchen Grease Duct Enclosure System Air Ventilation Duct Enclosure System

rease Duct Enclosure System | ASTM E2336

Section 16.5 - Fire Engulfment ASTM E814/E119 Pass

5. Listings/Building Code Reports

ase Duct Enclosure per AST

se Duct Insulation Test Prot

Through Penetration FireStop System per ASTM E814, UL 1479

Ventilation Duct Enclosure Syste per ISO 6944-1985

ectrical Circuit Protective Syste

ASTM E136 Pass

ASTM C518 7.3 per layer

ASTM D6329 Resistant

ASTM E119

Materials and Equipment FastWrap XL blanke · Aluminum foil tape · Glass filament reinforced tape (optional) Carbon steel or stainless steel banding material, minimum

on pallets. Pallets should not be stacked.

banding clips Minimum 12 gage (3mm) steel insulation pins; steel speed clips, minimum 1-1/2" (38mm) square or 1-1/2" (38mm) diameter, or equivalent sized cup-head pins; Capacitor discharge stud gun Door Hardware

· An approved firestop sealant To minimize waste, FastWrap XL blanket should be rolled out tautly before measuring. Cut edges of the blanket shall be taped with aluminum foil tape to prevent exposed edges of the sulation absorbing grease and moisture in the event of a compromised grease duct joint. Overlaps are used to block heat transfer in the event of duct deformation resulting from

thermal expansion. Filament tape is suggested to temporaril hold the blanket in place until steel banding or pinning is A. First Layer / Single Layer Installation 1) Butt Joint for ASTM E2336 compliant grease duct enclosure (Figure 1) - The first layer of FastWrap XL is cut to completely wrap around the perimeter of the duct with

enough excess to provide a tight butt joint where the blanket ends meet. The joints of adjacent blankets are firmly 2) Overlaps required for ISO 6944 compliant single layer air ventilation duct enclosure and two layer grease duct enclosures installed in Canada (Figure 1) - The layer of FastWrap XL applied directly to the duct is cut to completely wrap around the perimeter of the duct with enough excess to overlap itself by a minimum of 3" (75mm). The joints of adjacent blankets must overlap each other by a minimum 3" (75mm).

B. Second Layer Where Required - (Figure 1) The second layer of FastWrap XL is cut to completely wrap around the perimeter of the first layer, with enough excess to overlap itself not less than 3" (75mm). Joints in the second ayer should be staggered a minimum of 6" (50mm) from joints on the inner layer. Adjacent blankets on the second layer must overlap each other by not less than 3" (75mm). As an alternative to overlaps on adjacent blankets installed on the second ayer, adjacent blankets can be tightly butt jointed and wrapped with a 6" (152mm) wide FastWrap XL collar centered over the

crete or CMU assembly. The FastWrap XL is installed on the 2

C. 2 & 3 Sided Wrap Installation (Figure 5) When space does not allow for a complete wrap applied to the duct on all four sides, the FastWrap XL is approved for 2 or 3 sided installations with mechanical attachment to a rated con-

FastWrap XL must be stored in a dry warehouse environment methods described in sections A or B with the starting edge of the blanket attached to the concrete or CMU assembly and then wrapped around the duct until the other end can be FastWrap XL shall be installed by a qualified contractor in attached to the other concrete or CMU assembly, thus encapsulating the duct with insulation around all accessible sides. accordance with manufacturer's instructions and design listings. See figures 1 to 5 for complete details. The blanket is to flange out onto the concrete or CMU assem bly. It shall be secured to the adjoining assembly with min 3/16" (5mm) diameter, 4" (102mm) long concrete anchors, footed to a minimum 1-1/2" (38mm) wide x 3/16" (5mm) thick steel strip/strap with pre-drilled holes spaced a maximum 10" (254mm) on center. The steel strip is to be placed around the entire perimeter of the duct in the exposure area. The 1/2" (13mm) wide, minimum 0.015" (0.4mm) thick, with steel FastWrap XL insulation wrap is secured to the duct with mini

wall, and tightened down. D. Mechanical Attachment Methods for Insulation Wrap ireMaster F2-HT-XL3 Prefabricated Door or Field Fabricated 1) Banding (Figure 1) - Minimum 1/2" (13mm) wide carbon steel or stainless steel banding, 0.015" (0.4mm) thick, is placed around the entire perimeter of the insulated duct on maximum 10-1/2" (270mm) centers and 1-1/2" (38mm) from each blanket edge or 1-1/2" (38mm) from each collar edge when using the butt joint and collar method. When banding ent tape can be used to temporarily hold the blanket place until the banding is applied. The banding is placed round the blanket and tightened to firmly hold the FastWrap XL in place against the duct, but not cause any cutting or damage to the blanket. 2) Pinning (Figure 4) - If the pin pattern shown in Figure 4 is

mum 1/2" (13mm) wide steel banding 10-1/2" (270mm) cen-

ters. The ends of the banding are to loop into and around the

steel strips/straps that foot the blanket to the concrete floor or

plate to the duct.

the surrounding wrap with no through openings. All edge

of insulation blanket must be sealed with minimum 3

(75mm) wide aluminum foil tape. The insulated cover plate

is installed over the Ductmate threaded rods, and held tight

3) FireMaster Factory Built Access Doors (Figure 3) — FireMaster doors are tested per ASTM E2336 and are

nsulation package, and installation instructions.

from the fire rated assembly.

Grease ducts: Trapeze support hangers shall be spaced on maximum 60 in. (1500 mm) centers. Hanger rods or

straps shall be anchored with steel drop in or wedge expan

sion type masonary anchors. No additional protection is

Note: Ducts must be independently supported per code

8" (203) maximum Air Gap

B Banding clip

1 or 2 Hour Rated Concrete floor, ceiling, or wall

Steel banding min. 1/2" (13) wide by 0.015" (0.4) thick.

Two layers of FireMaster FastWrap XL for Grease Duct Enclosures One layer of FireMaster FastWrap XL for Air Ventilation Duct Enclosure 3/16" (5) thick x 2" (50) -3" (75) wide bar stock perforated 12" (305) o.c.

required for hangers and supports meeting the require-

G. Support Hanger Systems

ments of the Table below.

against the duct with wing nuts and washers.

used on all faces of the duct, then 12 Gage (0.4mm) insulation pins may be used in lieu of steel banding. To prevent blanket sag, 12 Gage (0.4mm) pins installed as shown in Figure 4 are required in addition to banding on the bottom horizontal ducts where the bottom dimension is larger than 24" (610mm), or on one side of vertical ducts where one dimension is larger than 24" (610mm). Pins that extend beyond the outer blanket layer shall be turned down or the excessive length cut off to prevent sharp edges. Shoot through pins (cup head pins) may be used in conjunction with steel banding to prevent blanket sag. E. Field Fabricated Access Doors 1) Field Fabricated Access Doors (Figure 3) - Each access

diameter and 5" (127mm) in length, with one welded to each corner of the door opening. Hollow steel tubes, 4-1/2" 14mm) long are installed outside the access cover plate and over the threaded rods. Four 12 gage (3mm) and 4-2" (114mm) long steel insulation pins are welded to the access cover plate to allow for installation of the three lay ers of FastWrap XL. One layer of FastWrap XL is cut to pproximately the same size as the access panel, and impaled over the insulation pins on the panel. A second ayer of FastWrap XL is cut so as to overlap the first layer a minimum of 1-1/2" (38mm). It is essential that the first and second layer fit tightly against the surrounding wrap with no through openings. The third and outside layer should be cut to overlap the second insulation layer by a minimum of 1-1/2" (38mm). Minimum 1-1/2" (38mm) round or square nsulation clips are installed on the insulation pins to secure the three layers of insulation to the access cover plate. A cut edges of the insulation shall be taped with minimum 3" (75mm) wide aluminum foil tape. Wing nuts and washers installed on the four threaded rods, and tightened

END ELEVATION

against the hollow steel tubes to seal the access cover 2) Field Insulated DuctMate Access Doors (Figure 3) ouctMate Ultimate and F2 doors are approved for use with FastWrap XL, and shall be installed according to DuctMate ndustries installation instructions. A 16 gage (1.4mm)

outer cover plate is required, which is 6" (152mm) larger in width and length than the DuctMate door, and which has holes drilled to match the threaded rods on the DuctMate door. Four 12 gage (3mm) insulation pins are welded to this outer cover plate, and three layers of FastWrap XL are 2) HVAC ducts: Trapeze support hangers shall be spaced or maximum 60 in. (1500 mm) centers. Hanger rods or straps shall be anchored with steel drop in or wedge expansion impaled and fastened using minimum 1-1/2" (38mm) insulation clips. The insulation layer adjacent to the DuctMate door is cut to the size of the door and each successive layer has an overlap of 1-1/2" (38mm) over the adjacent layer. It

required for hangers and supports meeting the requireis essential that the first and second layer fit tightly against

intended for use in two layer installations. FireMaster access doors come complete and ready for installation with a DuctMate® F2 access door, cut-out template, an outside cover plate with proper signage, an as tested FastWrap XL No maintenance is required when installed in accordance with F. Through Penetration Firestop System (Figure 2) - When Thermal Ceramics installation instructions. If damage is limitthe duct penetrates a fire rated assembly an approved fire ed to the foil facing, aluminum foil tape can be used to repai stop system must be employed. Figure 2 provides a complete list of UL / ULC firestop design listings which can be the following procedure must be incorporated. If the damaged found in the Certifications Directory at www.ul.com for US systems and www.ulc.ca for Canadian systems. Prior to nstalling any firestop system the surfaces of all openings. Ceramics installation instructions. If the damaged area is and penetrating items must be clean and dry. The FastWrap small (less than 8" (203mm) x 8" (203mm)), the damaged area XL core blanket (or mineral wool where allowed by the must be cut away and replaced with a new section 1" (25mm) firestop design listing) must be compressed into the annular larger in length and width than the cut out are, such that the space. The packing material must be recessed a minimum new section can be compressed tightly into the cut out area. epth from the surface of the concrete or gypsum assembly. All cut edges of the new section must be taped and sealed wth The recessed opening must be filled with a minimum thick- aluminum foil tape. The new section must be held in place with

ness of an approved firestop sealant. The packing material either pinning or banding per Thermal Ceramics installation

FireMaster® FastWrap®XL

Commercial Kitchen Grease Duct Enclosure System

Air Ventilation Duct Enclosure System

1 Or 2 Hour Shaft Alternative / Zero Clearance to Combustibles

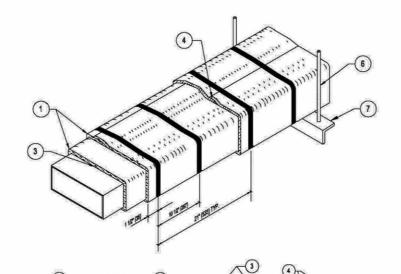
2 and 3 Sided Wrap Detail for Attaching to Walls and/or Ceilings

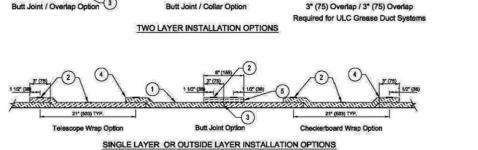
type and compression, minimum recess (typically 1/4" instructions. (6mm)), and approved firestop sealant and thickness (typically 1/4" (6mm)) shall be as specified in an approved UL / Thermal Ceramics FastWrap XL shall be installed in accor-ULC firestop design listing. When there is not sufficient annular space around the duct to run the FastWrap XL annular space around the duct to run the FastWrap XL systems is limited to the quality of the installation. enclosure system continuous through the fire rated assembly, the enclosure may terminate above and below the 'For personal protective equipment recommendations see the MSDs.

or/ceiling assembly or on either side of a wall assembly as shown in Figure 2. When this method is used, the FastWrap

Thermal Ceramics is a trademark of Morgan Cruciole Company pic. FireMaster and FastWrap XL must be mechanically attached on either side of the fire rated assembly using one of the attachment methods are trademarks of Thermal Ceramics Inc. and are distributed by authorized distributors. described in Section D, spaced a maximum of 1-1/2" (38mm) DuctMate is a trademark of Ductmate Industries Inc.

FireMaster®FastWrap®XL Grease and HVAC Duct Enclosure System 1 or 2 Hour Shaft Alternative / Zero Clearance to Combustibles





LE	GEND
1	Two Layers of FireMaster FastWrap XL Blanket for Grease Duct Enclosures
	One Layer of FireMaster FastWrap XL Blanket for Air Ventilation Duct Enclosures
2	Steel banding minimum 1/2" (13) wide by 0.015" (0.4) thick.
3	Tight butt joints on inner layer (ULC Grease Duct requires 3" (75) overlap)
4	Min. 3" (75) overlap on perimeter and between adjacent blanket on outside layer
5	Optional 6" FireMaster FastWrap XL collar
6	Hangers - size dependent weight of assembly (see datasheet Section G)
7	Trapeze Supports - size dependent on weight of assembly (see datasheet Section G)

1. Product Description

As the pioneer of fire resistive, flexible duct enclosure protection, Thermal Ceramics continues to provide reliable and

Product Features which is thin and lightweight

· Easy to remove or replace Saves labor and time

8" x 14"							
. Performance Specifications							
Reference Standard	Standard No.	Performand					
Grease Duct Enclosure System	ASTM E2336	Pass	XL3				
Section 16.1 - Non-com- bustibility	ASTM E136	Pass					
Section 16.2 - Fire Resistance (wall)	ASTM E119	Pass	XL3				
Section 16.3 - Durability Test	ASTM C518	Pass					
Section 16.4 - Internal Fire	with a strady agreement						

FireMaster® Grease Duct **Access Door Systems**

safe fire protection solutions. To complement the FireMaster FastWrap® XL grease duct wrap enclosure system, Thermal Ceramics now offers fully fire tested and building code compliant FireMaster pre-fabricated duct access doors. These FireMaster Access Doors combine the proven reliability of DuctMate® F2-HT high temperature doors and the fire tested performance of FireMaster FastWrap XL flexible enclo-

Thermal Ceramics

money savings versus the typical field fabricated access door, and provide more reliability for grease and fire contain-

· Zero clearance to combustibles

• High temperature rated - 2000°F Robust, durable system · Approved in ICC-ES Report ESR 2213 (XL3 Model) **Product Benefits**

Easy installation - No special tools required Complete with threaded rods, wing nuts, and washers Built-in quality consistent from project to project · No welding required at the job site

2. Available Sizes 10" x 6" 12" x 8" 16" x 12"

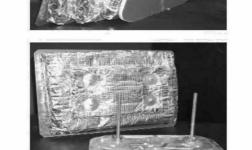
erformance Specificatio	erformance Specifications							
eference Standard	Standard No.	Performance						
ease Duct Enclosure	ASTM E2336	Pass	XL3					
ection 16.1 - Non-com- ustibility	ASTM E136	Pass						
ection 16.2 - Fire esistance (wall)	ASTM E119	Pass	XL3					
ection 16.3 - Durability	ASTM C518	Pass						
ection 16.4 - Internal Fire est	ASTM E2336	Pass	XL3					
ection 16.5 - Fire	ASTM	E-11-5						

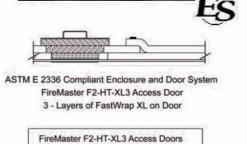
Product Data and Installation Guide

These pre-insulated and ready to install doors offer time and

· Access doors are insulated with FireMaster FastWrap XL,

Access holes in the duct are made to match the doors





UL 1978 Compliant Enclosure and Door System

FireMaster F2-HT-XL2 Access Door 2 - Lavers of FastWrap XL on Door FireMaster F2-HT-XI 2 Access Doors
 Opening Size
 Ordering Code

 10" x 6" Door Opening
 434-6970-034-99X2

 12" x 8" Door Opening
 434-6970-035-99X2

 16" x 12" Door Opening
 434-6970-037-99X2

 18" x 14" Door Opening
 434-6970-036-99X2

tem according to the Thermal Ceramics installation instructions. Cut the layers of insulation above the access opening Materials and Equipment: to the same size as the access opening. Next, cut the inte-FireMaster Pre-insulated Access Door - Complete with:

Two Lavers of FireMaster FastWrap XL for Grease Duct Enclosures

One Layer of FireMaster FastWrap XL for Air Ventilation Duct Enclosures
Steel banding minimum 1/2" (13) wide by 0.015" (1.5) thick or pinning
FireMaster FastWrap XL (packing material)
Approved through-penetration firestop sealant

Fastwrap XL continuous through rated wall assembly

Fastwrap XL terminated on both sides of the rated wall assembly

Rated Floor/ceiling or wall assembly

- DuctMate F2-HT access door with 2300°F high temperature gasket Template to cut correct access opening sized to fi the supplied door - Extended all-thread rods, attached to inner 16 gauge plate Inner wing nuts to tighten access door and provide grease tight seal 2 or 3 layers of Insulation depending on XL2 or

XL3 system supplied - Outer 16 gauge insulation cover, with code prescribed signage - Outer wing nuts required to tighten insulation cover against duct · Minimum 3" wide aluminum foil tape

F2-HT access door, loosen the inner wing nuts to open a gap between the inner 16 gauge plate and the 2300°F white gasket materials. Fit the inner 16 gauge steel panel inside the access opening by turning at a slight angle to clear the access opening. Center the inner 16 gauge steel plate with-General:

Preparation of the grease duct enclosure system and duct to receive FireMaster pre-insulated access door:

Prior to installation of the FireMaster grease duct enclosure system, use the provided cut-out template to mark and cut an install the insulation pack and 16 gauge outer cover plate over the all-thread rods. Tighten the provided wing nuts against the 16 gauge insulation cover plate until hand-tight. FireMaster preinsulated access doors are provided with a 16 gauge insulation cover plate with huilding code required signage.

FireMaster®FastWrap®XL

Commercial Kitchen Grease Duct Enclosure System

Air Ventilation Duct Enclosure System

Through Penetration Firestop Systems

Fastwrap XL continuous through rated floor/ceiling assembly

Fastwrap XL terminated at the top and bottom surface of the floor/ceiling assembly

r layer of insulation 1/2" larger on all sides to accommodate

the actual size of the access door and first layer of insulation.

ASTM E 2336 compliant systems will have 2 layers of duct

enclosure insulation on the duct which will require that the

exterior layer of insulation be cut 11/2" larger on all sides than

the inner insulation layer to provide a tight fit against the

overlaps built into the pre-insulated access door. Repair cut

edges of duct insulation with minimum 3" wide aluminum foil

Installation of the FireMaster pre-insulated access door:

Remove the insulation pack and outer cover plate from the

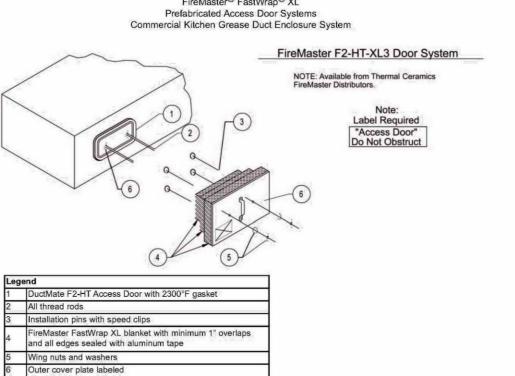
pre-insulated DuctMate F2-HT door. Holding the DuctMate

08.08/7 14-206

Per ASTM E814 / UL 1479

opening in the duct at building code or specification pre-scribed locations. Install the FireMaster duct enclosure sys-FireMaster® FastWrap® XL

Prefabricated Access Door Systems



BUILDING DEPARTMENT | CITY OF CORONA REVISION SCHEDULE

REVISION REVISION REVISION SEQUENCE DESCRIPTION DATE

Design | Engineering | Constructio

Ben Hamed, AM, ASCE, AIA

DESIGNER ENGINEER

ACC & ENGINEERING

1130 N KRAEMER BLVD #I

ANAHEIM, CA 92806

714-844-2140

Ben@accandengineering.com

www.accandengineering.com

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CONTRACTOR

APPROVAL OF PLANS

AMERICAN CONSTRUCTION

COMPANY

1130 N KRAEMER BLVD #I

ANAHEIM, CA 92806

LIC#1073807

STE 2879

Z

2

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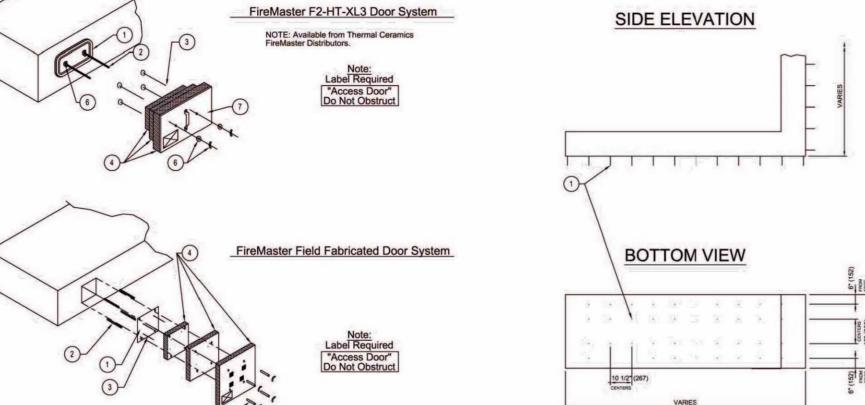
SHEET NAME

SHEET NUMBER

M-06

APPROVED EQUAL FIRE WRAP FYREWRAP ELITE 1.5

FireMaster® FastWrap®XL FireMaster FastWrap XL TYPICAL INSULATION PIN LAYOUT Access Door Systems FOR DUCT SPANS > 24" (610) WIDE Commercial Kitchen Grease Duct Enclosure System To Prevent Blanket Sag FireMaster F2-HT-XL3 Door System



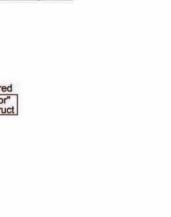


FIGURE 4

1 Minimum 12 gage (3) steel insulation pins

DuctMate F2-HT Access Door or 16 Gage (1.5) Field Fabricated Access Door.
All Thread Rods.
Installation Pins with Speed Clips.
Three Layers of FireMaster FastWrap XL Blanket with Minimum 1* (25) Overlaps and All Edges Sealed with Aluminum Tape.
Spool Pieces for Threaded Rods Wing Nuts and Washers

16 Gage (1.5) Outer Cover Plate Labeled "ACCESS DOOR - DO NOT OBSTRUCT"

THERMAL CERAMICS FIREMASTER FASTWRAP XL OR PYROSCAT XL HAS BEEN TESTED IN ACCORDANCE WITH ASTM E2336 TO PROVIDE ZERO CLEARANCE T COMBUSTIBLES AND MEETS THE REQUIREMENTS FOR DNE OR TWO HOUR ENCLOSURES. THROUGH PENETRATIONS FIRESTOP SYSTEMS ARE TESTED IN ACCORDANCE WITH EITHER ASTM E 814 DR UL 1479 ICC-ES APPROVAL PER REPORT ESR 2213 OR ESR 2832. UNDERWRITER'S LABORATORIES (UL) LISTINGS

SHOW COMPLIANCE TO UL 1479 FOR THROUGH PENETRATION FIRESTOP SYSTEMS. 2. COMPLIANT TO THE FOLLOWING CODES: 2003 AND 2006 INTERNATIONAL MECHANICAL CODES 2006 UNIFORM MECHANICAL CODE. 3. INSULATION APPLIED IN TWO LAYERS WITH TIGHT COMPRESSION JOINT ON INSIDE LAYER AND 3 INCH MINIMUM OVERLAPS ON BOTH PERIMETER AND

LONGITUDINAL OVERLAPS ON OUTSIDE LAYER, 4. GREASE EXHAUST DUCT RUNS FROM THE HOOD EXHAUST CONNECTION UP TO THE EXHAUST FAN ON THE ROOF WITH MINIMAL TURNS OR BENDS AND MAINTAINING MINIMUM 1/4 UNIT VERTICAL RISE PER 12 UNITS HORIZONTAL RUN. NFPA 96 COMPLIANT ACCESS DOORS LOCATED AS REQUIRED BY CODE.

5. THERMAL CERAMICS FIREMASTER ACCESS DOORS AS SPECIFIED IN ICC-ES BUILDING CODE REPORTS ESR 2213 DR ESR 2832.

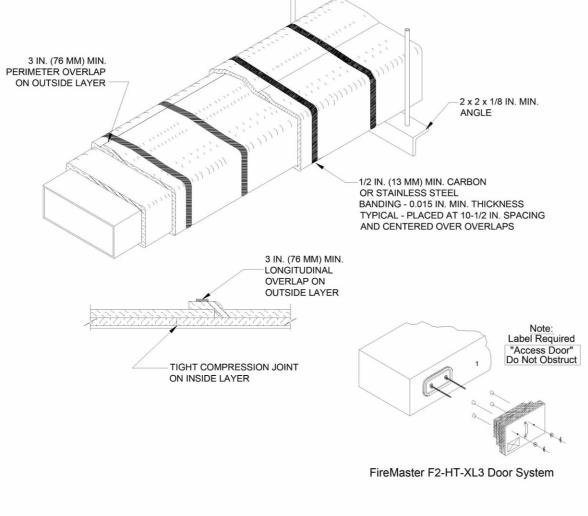
HINGED BASE WHICH ALLOWS ACCESS TO THE DUCT 7. SUPPORT HANGER SYSTEMS DO NOT NEED TO BE WRAPPED PROVIDED THE HANGER RODS ARE AT LEAST A MINIMUM OF 3/8 IN. DIAMETER. USE MINIMUM 2 X 2 X 1/8 IN. STEEL ANGLE OR SMACNA EQUIVALENT

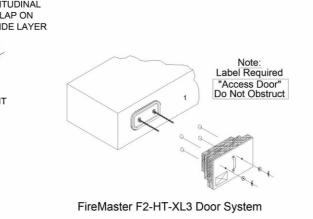
6. ROOF MOUNTED EXHAUST FAN IS MOUNTED ON A

8. THERMAL CERAMICS DUCT ENCLOSURE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS

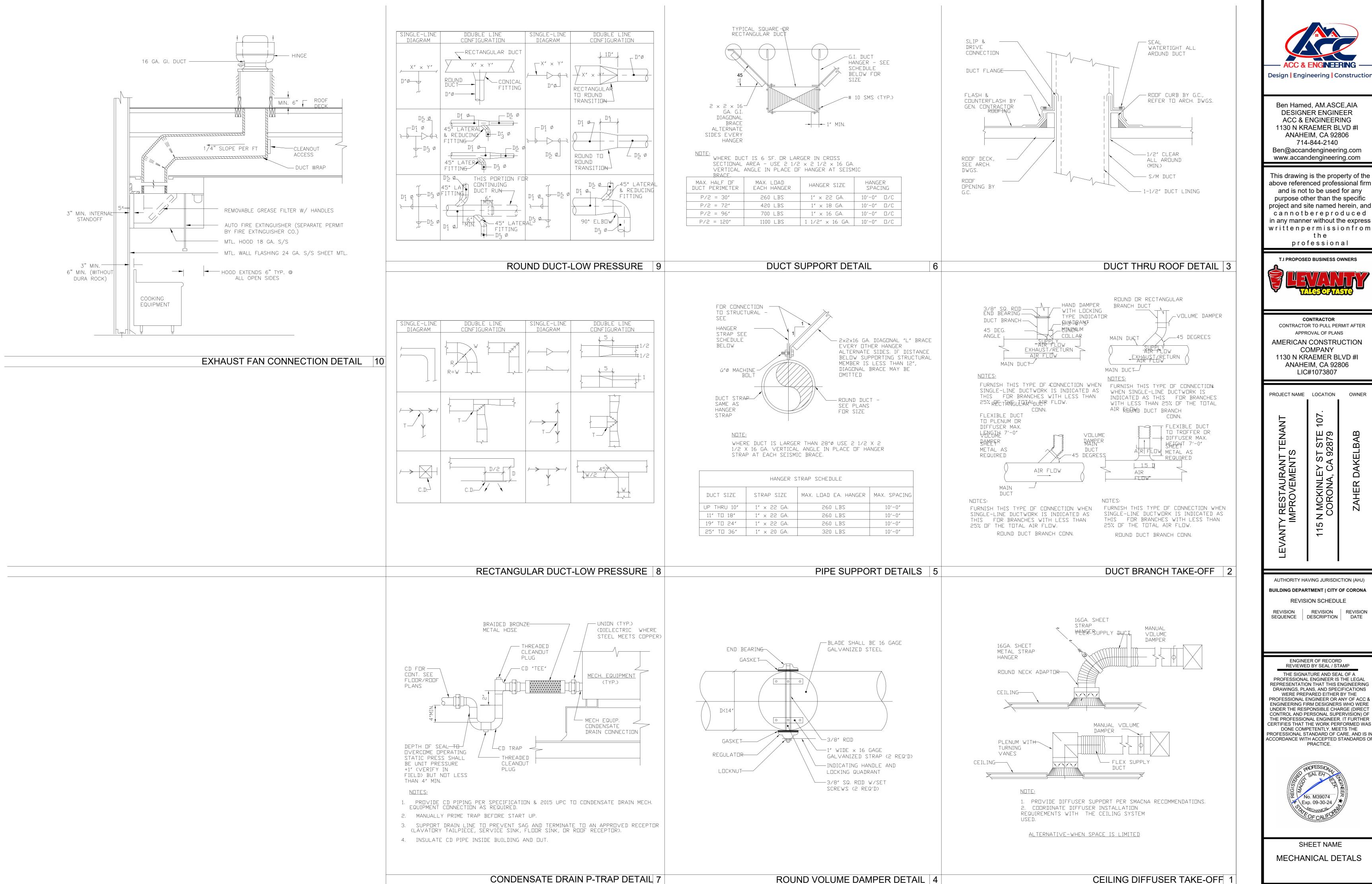
CONNECTION TO THE FAN.

9. THERMAL CERAMICS DUCT WRAP SHALL BE INSTALLED ON THE DUCT FROM THE HODD CONNECTION TO THE











Design | Engineering | Constructio

Ben Hamed, AM.ASCE, AIA DESIGNER ENGINEER **ACC & ENGINEERING** 1130 N KRAEMER BLVD #I ANAHEIM, CA 92806 714-844-2140 Ben@accandengineering.com www.accandengineering.com

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LIC#1073807

PROJECT NAME LOCATION OWNER

ST STE A 92879 > °C 2

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REVISION REVISION REVISION SEQUENCE DESCRIPTION DATE

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SHEET NAME

SHEET NUMBER

Process Systems CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE Report Page: (Page 3 of 6) Project Address: 115 N MCKINLEY ST, STE#107, CORONA, CA 92879 Date Prepared: 2024-03-11T02:35:37-04:00 H. ENCLOSED PARKING GARAGE EXHAUST This section does not apply to this project.

I. PROCESS BOILER This section does not apply to this project. J. COMPRESSED AIR SYSTEMS This section does not apply to this project.

This section does not apply to this project. L. ESCALATORS AND MOVING WALKWAYS SPEED CONTROLS

M. COMPUTER ROOM SYSTEM SUMMARY This section does not apply to this project.

N. COMMERCIAL KITCHEN EXHAUST AND VENTILATION This table contains all new and replacement hoods being installed within the scope of the permit application. Table N is used to demonstrate compliance with prescriptive requirements found in 140.9(b). Kitchen Ventilation 140.9(b)2 Existing kitchen hoods not being replaced as part of an addition or alteration (do not need to meet requirements) 01

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Requirements

STATE OF CALIFORNIA Process Systems CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE Project Name: LEVANTY TOGO RESTAURANT (Page 6 of 6 Project Address: 115 N MCKINLEY ST, STE#107, CORONA, CA 92879 2024-03-11T02:35:37-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT I certify that this Certificate of Compliance documentation is accurate and complete. mentation Author Signature: Ben Hamed nature Date: 03/11/2024 ACC & ENGINEERING ldress: 1130 N KRAEMER BLVD. STE# I CEA/ HERS Certification Identification (if applicable): City/State/Zip: ANAHEIM, CA 92806 hone: 714-844-2140 RESPONSIBLE PERSON'S DECLARATION STATEMENT

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) 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 requireme of Title 24, Part 1 and Part 6 of the California Code of Regulations. 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. 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. onsible Designer Name: onsible Designer Signature: MAGDY REZK, P.E pany: ACC & ENGINEERING Date Signed: 03/11/2024

> 714-844-2140 ANAHEIM, CA 92806

icense: M-39074

1130 N KRAEMER BLVD. STE# I

Report Version: 2022.0.000 Schema Version: rev 20220101 Documentation Software: Energy Code Ace Compliance ID: 183450-0324-0003

NRCA-PRC-02-F Kitchen Exhaust

Report Version: 2022.0.000 Schema Version: rev 20220101

Compliance ID: 183450-0324-0003 Report Generated: 2024-03-10 23:35:40

Documentation Software: Energy Code Ace

SERVICE AREA

STATE OF CALIFORNIA

K. ELEVATOR LIGHTING AND VENTILATION

This section does not apply to this project.

CALIFORNIA ENERGY COMMISSION

2024-03-11T02:35:37-04:00

(Page 2 of 6)

COMPLIES

Compliance ID: 183450-0324-0003

Report Generated: 2024-03-10 23:35:40

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

The information provided on this Certificate of Compliance is true and correct.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Generated Date/Time:

Report Generated: 2024-03-10 23:35:40

TITLE 24 - MECHANICAL

M-08

Report Page: This form is used to document any process systems that are within the scope of the permit application and are demonstrating compliance with mandatory requirements in 120.6/ 160.7 or prescriptive requirements in 140.9. This compliance document is used for newly constructed, addition and alteration projects. Project Address: 115 N MCKINLEY ST, STE#107, CORONA, CA 92879 Date Prepared: Project Name: LEVANTY TOGO RESTAURANT Project Address: 115 N MCKINLEY ST, STE#107, CORONA, CA 92879 2024-03-11T02:35:37-04:00 C. COMPLIANCE RESULTS A. GENERAL INFORMATION Results in this table are automatically calculated from data input and calculations in Tables F through R. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer Total Conditioned Floor Area Project Location (city) o Table D. Exceptional Conditions for guidance or see applicable Table referenced below. Climate Zone Total Unconditioned Floor Area Occupancy Types Within Project: 06 # of Stories (Habitable Above Grade)

☐ Laboratory Exhaust/Factory Exhaust & Fume Hood (prescriptive 140.9(c))¹

Pool/Spa (mandatory 110..4 / 160.7)

120.6(f)/ Warehouse I Exhaust Air Systems Walkways 120.6(d) 160.7 n 120.6(b) 140.9(a) 120.6(c) 120.6(e) 120.6(g) 120.6(a) (See Table Table I) (See Table J) (See (See Table (See Table | (See Table (See Table (See Table (See Table G) M) K) This table includes process systems that are within the scope of the permit application and are demonstrating compliance with mandatory requirements in 120.6 / 160.7 or prescriptive My project consists of: (check all that apply): D. EXCEPTIONAL CONDITIONS ☐ Escalator & Moving Walkway Speed Controls (mandatory 120.6(g)) Refrigerated Spaces <3,000 ft² Total (no Title 24, Pt6 requirements) This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form. ☐ Computer Rooms (mandatory 120.6(j) and prescriptive 140.9(a))¹ Refrigerated Spaces >= 3,000 ft² Total (mandatory 120.6(a)) Food /Beverage Stores >8,000 ft² cfa (mandatory 120.6(b)) □ Commercial Kitchen Ventilation/Exhaust (prescriptive 140.9(b))¹

CALIFORNIA ENERGY COMMISSION

STATE OF CALIFORNIA

Process Systems

CERTIFICATE OF COMPLIANCE

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

☐ Controlled Environment Horticulture (mandatory 120.6(h)) ☐ Compressed Air Systems Combined HP >= 25 (mandatory 120.6(e)) ☐ Elevator Lighting & Ventilation Controls (mandatory 120.6(f) / 160.7) ☐ New Steam Traps (mandatory 120.6(i)) ¹ FOOTNOTES: These building features can comply using the performance method. If using the performance method for these features, compliance should be demonstrated on the NRCC-PRF-E.

STATE OF CALIFORNIA

Process Systems

Restaurant
 Retail

B. PROJECT SCOPE

requirements in 140.9.

☐ Enclosed Parking Garage Exhaust >=10,000 cfm (mandatory 120.6(c))

☐ Newly Installed Process Boilers (mandatory 120.6(d))

CERTIFICATE OF COMPLIANCE

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STATE OF CALIFORNIA Process Systems CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE NRCC-PRC-E Project Name: LEVANTY TOGO RESTAURANT (Page 4 of 6) Project Address: 115 N MCKINLEY ST, STE#107, CORONA, CA 92879 2024-03-11T02:35:37-04:00

N. COMMERCIAL KITCHEN EXHAUST AND VENTILATION Replacement Air to Hood Compliance Method 140.9(b)1A Providing replacement air directly to the hood(s) that does not exceed 10% of the hood(s) exhaust rate Mechanically cooled or heated makeup air delivered to any space with a kitchen hood is designed per 140.9(b)2A to not exceed the greater of: NA: Make up air is not mechanically cooled or heated 04 Location that is supplying transfer air: The kitchen/ dining facility has a total Type I and Type II kitchen hood exhaust airflow > 5000 cfm and is designed to have one of the following per 140.9(b)2B: NA: Not a kitchen/ dining facility having a total Type I and Type II kitchen hood exhaust airflow rate > 5,000 cfm Kitchen Exhaust: Airflow Rate 140.9(b)1B NA: Existing hoods are being replaced as part of an addition SERVICE AREA Compliance Method per 140.9(b)1B Kitchen Name or Item Tag r alteration 04 05 Design Hood Exhaust Rate Max Hood Exhaust Rate Name or Item Hood Length Hood Type¹ Hood Style Equipment Duty Allowed CFM CFM

H-01 Type I Canopy 16 FT 2700 ¹FOOTNOTES: Type II hoods do not have a max hood exhaust air rate per 140.9(b)1B

O. LABORATORY AND FACTORY EXHAUST AND FUME HOODS This section does not apply to this project. P. CONTROLLED ENVIRONMENT HORTICULTURE

This section does not apply to this project. Q. STEAM TRAPS IN INDUSTRIAL FACILITIES This section does not apply to this project.

Generated Date/Time: Documentation Software: Energy Code Ace CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 183450-0324-0003 Schema Version: rev 20220101 Report Generated: 2024-03-10 23:35:40

F. REFRIGERATED WAREHOUSES/SPACES This section does not apply to this project. G. COMMERCIAL REFRIGERATION This section does not apply to this project. Generated Date/Time: Documentation Software: Energy Code Ace

140.9(b)

140.9(c)

(See Table

Horticulture

(See Table P) Table Q)

120.6(i)

160.7

(See | (See Table

STATE OF CALIFORNIA Process Systems CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE Project Name: LEVANTY TOGO RESTAURANT (Page 5 of 6) Project Address: 115 N MCKINLEY ST, STE#107, CORONA, CA 92879 2024-03-11T02:35:37-04:0

Report Version: 2022.0.000

Schema Version: rev 20220101

R. Pool & SPAs This section does not apply to this project. S. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2022-building-energy-efficiency-4

Form/Title NRCI-PRC-01-E - Covered Process T. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html Systems/Spaces To Be Field Form/Title Verified

Generated Date/Time: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

ACCEPTANCE FORMS TO BE COMPLETED BY THE HOOD INSTALLER & THE INSPECTOR.

CALIFORNIA ENERGY COMMISSION COMMERCIAL KITCHEN EXHAUST 2022-CEC-NRCA-PRC-02-F Project Name and Address **Authority Having Jurisdiction** Name: Enforcement Agency: Address: Permit Number: City, Zip: Permit Application Date: Building: Floor: Room: Control/tag: ☐ Construction inspection and functional testing comply ☐ Does not comply Date Submitted to AHJ:

Intent: The following acceptance tests apply to newly constructed and additions or alterations to existing commercial kitchen exhaust systems with Type I and Type II kitchen hoods with a total exhaust rate greater than 5,000 cfm. Reference NRCC-MCH-E for nonresidential (including nonresidential spaces in high-rise multifamily) building permits or LMCC-MCH-E for nonresidential spaces in low-rise multifamily building permits. Submit one Certificate of Acceptance for each system that must demonstrate compliance. Reference §140.9(b)3 and NA7.11.

Table A: Construction Inspection

Prior to functional testing, verify and document all of the following:

THOI COTUI	leading testing,	verify and document all of the following:	Code
Step	Entry	Item	Reference
1	☐ Pass ☐ Fail	Exhaust and replacement air systems, and power, are installed	NA7.11.1.1 Step 1
2	Pass Fail	Control systems (such as demand control ventilation) are calibrated	NA7.11.1.1 Step 1
3		For kitchen/dining facilities having total Type 1 and Type II kitchen hood exhaust airflow rates greater than 5,000 cfm, calculate the maximum allowable exhaust rate for each Type I hood as specified by Table 140.9-C. (CFM)	NA7.11.1.1 Step 2
4	☐ Pass ☐ Fail	Check "Pass" if construction inspection complies with all requirements. Check "Fail" if construction inspection does not comply with all requirements.	N/A

Table B-1: Functional Testing at Full Load

The following acceptance test applies to systems with and without demand control ventilation exhaust systems. These tests shall be conducted at full load conditions for each hood.

Step	Entry	Functional Test	Code Reference
Step	Elitiy	Functional rest	Kelelelice
1	☐ Pass	Verify that all sources of outdoor air providing	NA7.11.1.2
	☐ Fail	replacement air for the hoods are operational.	Step 1
2	☐ Pass ☐ Fail	Verity that all sources of recirculated air providing conditioning for the space in which the hoods are located are operational.	NA7.11.1.2 Step 2

California Energy Commission Page 1 of 4 January 1, 2023

1	CALIFO	DRNIA ENERGY COMMIS	COMMERCIAL KITCHEN EXHAUST 2022-CE	C-NRCA-PRC-0 Code
	Step	Entry	Functional Test	Reference

			Code
Step	Entry	Functional Test	Reference
3	☐ Pass☐ Fail	Operate all appliances under the hoods at operating temperatures.	NA7.11.1.2 Step 3
4	□ Pass □ Fail	Verify that the thermal plume and smoke is completely captured and contained within each hood at full load conditions by observing smoke or steam produced by actual cooking operation and/or by visually seeding the thermal plume using devices such as smoke candles or smoke puffers. Smoke bombs shall not be used (note: smoke bombs typically create a large volume of effluent from a point source and do not necessarily confirm whether the cooking effluent is being captured). For some appliances (e.g., broilers, griddles, fryers), actual cooking at the normal production rate is a reliable method of generating smoke). Other appliances that typically generate hot moist air without smoke (e.g., ovens, steamers) need seeding of the thermal plume with artificial smoke to verify capture and containment.	NA7.11.1.2 Step 4
5	☐ Pass ☐ Fail	Verify that space pressurization is appropriate (e.g. kitchen is slightly negative relative to adjacent spaces and all doors open/close properly).	NA7.11.1.2 Step 5
6	Pass Fail N/A	Verify that each Type I hood has an exhaust rate that is at or below the maximum allowed. (Pass, Fail, or N/A if only Type II hoods are present)	NA7.11.1.2 Step 6
7	No Entry	Adjust as necessary until full capture and containment and adequate space pressurization are achieved and maximum allowable exhaust rates are not exceeded. Adjustments may include: adjust exhaust hood airflow rates; Add hood side panels; Add rear seal (back plate); Increase hood overhang by pushing hood back; and Relocate supply outlets to improve the capture and containment performance	NA7.11.1.2 Step 7
8	Pass Fail N/A	Measure and record the final airflow for each Type I hood. (Pass, Fail, or N/A if only Type II hoods are present)	NA7.11.1.2 Step 8
9	Pass Fail	Check if Functional Test complies with all requirements.	N/A

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COMMERCIAL KITCHEN EXHAUST 2022-CEC-NRCA-PRC-02-F

Table B-2: Functional Testing for Exhaust Systems with Demand Control The following acceptance test shall be performed on all exhaust hoods with demand control ventilation exhaust systems.

	exhaust system		Code
Step	Entry	Functional Test	Reference
1	No Entry	Turn off all kitchen hoods, makeup air and transfer systems	NA7.11.1.3 Step 1
2	No Entry	Turn on one of the appliances on the line and bring to operating temperature. Verify that steps 2.1, 2.2, 2.3, and 2.4 all pass:	NA7.11.1.3 Step 2
2.1	Pass Fail	DCV system automatically switches from off to the minimum flow setpoint.	NA7.11.1.3 Step 2(a)
2.2	☐ Pass ☐ Fail	The minimum flow setpoint does not exceed the larger of: 50% of the design flow, or the ventilation rate required per Section 120.1.	NA7.11.1.3 Step 2(b)
2.3	☐ Pass ☐ Fail	The makeup air and transfer air system flow rates modulate as appropriate to match the exhaust rate.	NA7.11.1.3 Step 2(c)
2.4	☐ Pass ☐ Fail	Appropriate space pressurization is maintained.	NA7.11.1.3 Step 2(d)
3	Pass Fail	Press the timed override button. Confirm that system ramps to full speed and back to minimum speed after override times out.	NA7.11.1.3 Step 3
4	No Entry	Operate all appliances at typical conditions. Apply sample cooking products and/or utilize smoke puffers as appropriate to simulate full load conditions. Confirm that:	NA7.11.1.3 Step 4
4.1	Pass Fail	DCV system automatically ramps to full speed.	NA7.11.1.3 Step 4(e)
4.2	Pass Fail	Hood maintains full capture and containment during ramping to and at full speed.	NA7.11.1.3 Step 4(f)
4.3	Pass Fail	Appropriate space pressurization is maintained.	NA7.11.1.3 Step 4(g)
5	Pass Fail	Check if Functional Test complies with all requirements.	N/A

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eclaration Statement	Signatory
ocument Author	
assert that this Certificate of Acceptance documentation is accurate and complete.	
ield Technician	
assert the following under penalty of perjury, under the laws of the State of California:	
he information provided on this Certificate of Acceptance is true and correct. I am the person who	
erformed the acceptance verification reported on this Certificate of Acceptance (Field Technician). The onstruction or installation identified on this Certificate of Acceptance complies with the applicable	
cceptance requirements indicated in the plans and specifications approved by the enforcement agency	
nd conforms to the applicable acceptance requirements and procedures specified in Reference	
onresidential Appendix NA7. I have confirmed that the Certificate(s) of Installation for the construction or	
stallation identified on this Certificate of Acceptance has been completed and signed by the responsible	
uilder/installer and has been posted or made available with the building permit(s) issued for the building.	
esponsible Person	
assert the following under penalty of perjury, under the laws of the State of California:	
am the Field Technician, or the Field Technician is acting on my behalf as my employee or my agent and have reviewed the information provided on this Certificate of Acceptance. I am eligible under Division 3	
of the Business and Professions Code in the applicable classification to accept responsibility for the system	
lesign, construction or installation of features, materials, components, or manufactured devices for the	
cope of work identified on this Certificate of Acceptance and attest to the declarations in this statement	
responsible acceptance person). The information provided on this Certificate of Acceptance substantiates	
hat the construction or installation identified on this Certificate of Acceptance complies with the	
acceptance requirements indicated in the plans and specifications approved by the enforcement agency and conforms to the applicable acceptance requirements and procedures specified in Reference	
Nonresidential Appendix NA7. I have confirmed that the Certificate(s) of Installation for the construction	
or installation identified on this Certificate of Acceptance has been completed and is posted or made	
evailable with the building permit(s) issued for the building. I understand that a completed, signed copy of	
his Certificate of Acceptance shall be posted, or made available with the building permit(s) issued for the	
building, and made available to the enforcement agency for all applicable inspections, and I will take the	
necessary steps to ensure this requirement is accomplished. I understand that a signed copy of this	
Certificate of Acceptance is required to be included with the documentation the builder provides to the building owner at occupancy, and I will take the necessary steps to ensure this requirement is	
amount owner at occupancy, and I will take the necessary stens to ensure this requirement is	

California Energy Commission

Page 4 of 4

January 1, 2023



Design | Engineering | Construction

Ben Hamed, AM.ASCE,AIA DESIGNER ENGINEER ACC & ENGINEERING 1130 N KRAEMER BLVD #I ANAHEIM, CA 92806 714-844-2140 Ben@accandengineering.com www.accandengineering.com

This drawing is the property of the above referenced professional firm and is not to be used for any purpose other than the specific project and site named herein, and cannotbereproduced in any manner without the express writtenpermissionfrom professional

T.I PROPOSED BUSINESS OWNERS



CONTRACTOR CONTRACTOR TO PULL PERMIT AFTER APPROVAL OF PLANS AMERICAN CONSTRUCTION COMPANY 1130 N KRAEMER BLVD #I ANAHEIM, CA 92806

LIC#1073807

PROJECT NAME LOCATION OWNER

ST STE A 92879 2

AUTHORITY HAVING JURISDICTION (AHJ) **BUILDING DEPARTMENT | CITY OF CORONA**

REVISION SCHEDULE

REVISION REVISION REVISION SEQUENCE DESCRIPTION DATE

ENGINEER OF RECORD REVIEWED BY SEAL / STAMP

THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER IS THE LEGAL REPRESENTATION THAT THIS ENGINEERING DRAWINGS, PLANS, AND SPECIFICATIONS WERE PREPARED EITHER BY THE

PROFESSIONAL ENGINEER OR ANY OF ACC & ENGINEERING FIRM DESIGNERS WHO WERE UNDER THE RESPONSIBLE CHARGE (DIRECT CONTROL AND PERSONAL SUPERVISION) OF THE PROFESSIONAL ENGINEER. IT FURTHER CERTIFIES THAT THE WORK PERFORMED WAS DONE COMPETENTLY, MEETS THE PROFESSIONAL STANDARD OF CARE, AND IS IN ACCORDANCE WITH ACCEPTED STANDARDS OF



SHEET NAME TITLE 24 - MECHANICAL

PLUMBING LEGEND

SYMBOL	ABBR.	DESCRIPTION
	- GW	GREASE WASTE BELOW FLOOR
	- S OR W	SOIL OR WASTE BELOW FLOOR
	V	VENT
	- CW	DOMESTIC COLD WATER
	HW	DOMESTIC HOT WATER
HWR-	– HWR	DOMESTIC HOT WATER RETURN
G	_ G	LOW PRESSURE GAS
CD	- CD	PRIMARY CONDENSATE DRAIN
XSS	_ XSS	EXISTING WASTE/SANITARY SEWER
XGW	- XGW	EXISTING GREASE WASTE
XCW	_ XCW	EXISTING COLD WATER
XG	_ XG	EXISTING GAS
XHW	_ XHW	EXISTING HOT WATER
	– FW	FILTERED WATER
X-	T&P	TEMPERATURE & PRESSURE
	WCO	WALL CLEANOUT
ф	FCO	FLOOR CLEANOUT
	SOV	SHUT-OFF VALVE
	C.V.	CHECK VALVE
	PRV	PRESSURE REDUCING VALVE
	BLV	BALANCING VALVE
——————————————————————————————————————	GSOV	AUTOMATIC GAS SHUT-OFF VALVE
7	soc	SHUT-OFF COCK (GAS)
	TMV	TEMPERATURE MIXING VALVE
	VTR	VENT TO ROOF
<u>⊕</u>	POC	POINT OF CONNECTION
O	СР	RECIRCULATION PUMP
	CW	COLD WATER STUB-IN/HOSE BIBB
-#	HW	HOT WATER STUB-IN
	(N)	NEW
	(E)	EXISTING
	(R)	RELOCATED, EXISTING
	ABV	ABOVE
	BEL	BELOW
	CFH	CUBIC FEET PER HOUR
	DN	DOWN
	FF	FINISHED FLOOR ELEVATION
	FLR	FLOOR
	IE	INVERT ELEVATION
	NTS	NOT TO SCALE
	W/	WITH

PIPE MATERIAL SCHEDULE SERVICE: INSIDE DOMESTIC WATER OUTSIDE INSIDE OUTSIDE WASTE CONCEALED SANITARY VENT EXPOSED USE COPPER TYPE "M" FOR INSIDE OUTSIDE WASTE CONDENSATE INSIDE NATURAL OUTSIDE GAS

ABS/PVC VENT TERMINATIONS UP THROUGH THE ROOF EXPOSED TO SUNLIGHT ARE REQUIRED TO BE PROTECTED BY WATER BASED SYNTHETIC LATEX PAINTS.

SCOPE OF WORK

- TENENT IMPOROVMENT FOR A RESTURAUNT LESS THAN 50 OCCUPANTS.
- PLUMBING PIPES ARE EXISTING AND TO REMAIN AS IS UNLESS NOTED OTHERWISE.
- EXISTING GAS TANK WATER HEATER TO REMAIN AS IS. THE EXISTING GAS LINE TO BE INCREASED TO 2" PER PLANS.

PLUMBING SPECIFICATION

1.CLEANOUTS

PROVIDE CLEANOUTS WITH BRASS SCREW PLUG AT ALL CHANGES OF DIRECTION TO PERMIT ROUTING OF ALL SEWERS. ALL CLEAN OUTS SHALL BE INSTALLED WHERE READILY ACCESSIBLE. THE CONTRACTOR SHALL COORDINATE ALL CLEAN OUT LOCATIONS OF EQUIPMENT, CABINETS, ETC., WITH THE ARCHITECT PRIOR TO ANY INSTALLATION.

2.VALVES

EVERY PLUMBING FIXTURE SHALL BE INDEPENDENTLY VALVED.

- ALL SEWERS AND WATER PIPING SHALL BE PROPERLY TESTED TO THE SATISFACTION OF THE ARCHITECT AND THE LOCAL BUILDING INSPECTOR.
- 4.EXCAVATION AND BACK FILLING

TRENCHES SHALL BE BACK FILLED AND SETTLED BY PUDDLING. NO PIPE SHALL BE LESS THAN 12" BELOW FINISH GRADE.

5.PIPING SUPPORTS

ALL PIPING TO BE SUPPORTED WITH HANGERS AND BRACKETS WHICH PROVIDE ISOLATION FROM FRAMING. CONTACT BETWEEN PIPE AND SUPPORT TO BE LINED

ENERGY CONSERVATION STANDARDS

DOMESTIC HOT WATER SHALL BE INSULATED. HOT WATER PIPING WILL HAVE A MINIMUM INSULATION FOR THE FOLLOWING PIPE SIZES:

INSULATION THICKNESS
1/2"
1"
1-1/2"
2"

- 2. TIME CLOCKS TO BE INSTALLED TO CONTROL ANY HOT WATER CIRCULATING PUMPS
- 3. SINKS AND LAVATORY FAUCETS TO BE CERTIFIED BY STATE FOR ENERGY APPLIANCE STANDARD COMPLIANCE.
- 4. LAVATORIES IN RESTROOMS OF PUBLIC FACILITIES SHALL BE EQUIPPED WITH OUTLET DEVICES THAT LIMIT THE FLOW OF HOT WATER TO A MAXIMUM OF 0.5 GPM OR WITH SELF-CLOSING FAUCETS THAT LIMIT DELIVERY TO A MAXIMUM OF 0.2 GALLONS OF HOT WATER FOR RECIRCULATING SYSTEMS, AND SHALL BE EQUIPPED WITH DEVICES THAT LIMIT THE OUTLET TEMPERATURE TO A MAXIMUM OF 110 °F.

MAXIMUM FLUSH VOLUMES AND FLOW RATES: WATER CLOSETS: 1.28 GALLON PER FLUSH(BLOWOUT TYPE EXEMPT) 0.125 GALLON PER FLUSH(WALL MOUNTED) URINALS: 0.5 GALLON PER FLUSH(FLOOR MOUNTED) LAVATORY: 0.5 GALLON PER MINUTE 0.2 GALLON PER CYCLE(SELF-CLOSING)

KITCHEN FAUCETS:

CA GREEN BUILDING NOTES

5.303.2 PLUMBING FIXTURES SHALL MEET THE MAXIMUM FLOW RATE VALUES SHOWN IN TABLES A5.303.2.2.

1.8 GALLON PER MINUTE @ 60 PSI

5.303.3 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS. PLUMBING FIXTURES (WATER CLOSETS AND URINALS) AND FITTINGS (FAUCETS AND SHOWERHEADS) SHALL COMPLY WITH THE FOLLOWING:

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

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

5.303.3.2 URINALS. THE EFFECTIVE FLUSH VOLUME OF WALL-MOUNTED URINALS SHALL NOT EXCEED 0.125 GALLONS PER FLUSH.THE EFFECTIVE FLUSH VOLUME OF FLOOR-MOUNTED URINALS SHALL NOT EXCEED 0.5 GALLONS PER FLUSH.

5.303.3.4.1 NONRESIDENTIAL LAVATORY FAUCETS. LAVATORY FAUCETS SHALL HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 0.5 GALLONS PER MINUTE AT

5.303.4.2 KITCHEN FAUCETS. KITCHEN FAUCETS SHALL HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 1.8 GALLONS PER MINUTE AT 60 PSI. KITCHEN FAUCETS MAY TEMPORARILY INCREASE THE FLOW ABOVE THE MAXIMUM RATE, BUT NOT TO EXCEED 2.2 GALLONS PER MINUTE AT60 PSI, AND MUST DEFAULT TO A MAXIMUM FLOW RATE OF 1.8 GALLONS PER MINUTE AT 60 PSI.

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 1401.1 OF THE CALIFORNIA PLUMBING CODE AND IN CHAPTER 6 OF THIS CODE.

CONTRACTOR NOTES

FIELD VERIFY ALL EXISTING PLUMBING CONDITIONS PRIOR TO START OF WORK. VERIFIED SCOPE REPRESENTED BUT NOT LIMITED TO THE EXISTING CONDITIONS SIZES AND LOCATIONS OF THE FOLLOWING:

- SANITARY SEWER PIPE VENT PIPE WATER SUPPLY PIPE
- PLUMBING FIXTURES
- HOT WATER PIPE

IN THE EVENT THAT THE PLANS DO NOT REPRESENT FIELD CONDITIONS, CONTACT THE OWNER, ARCHITECT, OR DESIGNATED ENGINEER/DESIGNER PRIOR TO START OF ANY WORK.

GENERAL NOTES

1. BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, ELEVATIONS AND CHARACTERISTICS OF ALL UTILITIES AND PIPING, AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.

2. THE PLUMBING SYSTEM DESIGN, INSTALLATION AND MATERIALS SHALL CONFORM TO AND AUTHORITIES HAVING JURISDICTION. IN CASE OF CONFLICTS

WITH CODES, DRAWINGS, OR SPECIFICATIONS, THE MOST STRINGENT SHALL PREVAIL.

- THE DRAWINGS WERE PREPARED WITH THE BEST STRUCTURAL AND ARCHITECTURAL INFORMATION AVAILABLE. IT IS UNDERSTOOD THAT EQUIPMENT LOCATIONS AND ROUTING OF PIPING MAY VARY FROM THAT SHOWN ON THE PLANS AS CONSTRUCTION PROCEEDS. IT IS THE CONTRACTORS RESPONSIBILITY TO:
- a. NOTIFY THE MECHANICAL ENGINEER OF CONSTRUCTION RESTRAINTS WHICH MAKE VARIATIONS FROM THE PLANS NECESSARY.
- b. COMPLETE ALL WORK INCLUDING THE VARIATIONS WITHOUT CHARGING EXTRAS TO THE BID CONTRACT. COMPLETION OF WORK MEANS THE JOB IS WORKING AND MEETS ALL CITY, COUNTY AND UNIFORM MECHANICAL, PLUMBING AND BUILDING CODE REQUIREMENTS.
- 4. THESE DRAWINGS DO NOT INCLUDE ALL NECESSARY SAFETY REQUIREMENTS. CONTRACTOR TO COMPLY TO THE SAFETY REQUIREMENTS SET FORTH BY THE LOCAL AUTHORITIES HAVING JURISDICTION.
- 5. THE CONTRACTOR TO NOTE THAT THESE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC TO THE EXTENT THAT MANY OFFSETS, BONDS, UNIONS, SPECIFIC FITTINGS AND EXACT LOCATIONS ARE NOT INDICATED.
- 6. THE PLUMBING CONTRACTOR SHALL PROVIDE THE WATER, SEWER AND STORM DRAIN SYSTEMS AND CONNECT TO EACH DESIGNATED POINT OF CONNECTIONS 5'-0" OUTSIDE OF THE BUILDING. ALL SEWER SYSTEM SHALL MEET THE REQUIRED INVERT ELEVATION SHOWN ON THE CIVIL DRAWINGS. PIPING BEYOND THIS POINT IS SPECIFIED UNDER ANOTHER SECTION OF THE SPECIFICATION AND SHALL BE AS SHOWN ON THE CIVIL DRAWINGS.
- 7. THE OWNER SHALL MAKE ALL ARRANGEMENTS WITH UTILITY COMPANIES FOR SERVICE AND CONNECTION AND SHALL MAKE APPLICATION FOR SERVICE AND PERMITS AND SHALL PAY ALL FEES AND CHARGES INCLUDING THE COST OF VAULTS
- 8. ALL PLUMBING WORK SHALL BE INSTALLED SO AS TO AVOID INTERFERENCE WITH ELECTRICAL EQUIPMENT, MECHANICAL EQUIPMENT AND STRUCTURAL FRAMING. SKYLIGHT, ETC.
- 9. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL CEILING ACCESS PANELS WITH THE ARCHITECTURAL REFLECTED CEILING PLAN AND ELECTRICAL
- 10.COORDINATE ALL LOCATIONS, SIZES AND ELEVATIONS OF ALL SLEEVES THROUGH WALLS, BEAMS, SLABS AND FOOTING WITH STRUCTURAL AND ARCHITECTURAL DRAWINGS. ALL PIPES SLEEVING THROUGH FOOTINGS SHALL HAVE A SLEEVE DIAMETER OF TWO PIPE SIZES OVER THE PIPE PASSING THROUGH THE FOOTING.
- 11.CONTRACTOR MUST NOT CUT, RELOCATE, COMPROMISE, DAMAGE OR OTHERWISE ALTER THE ROOF STRUCTURE. THE JOISTS WHICH OCCUR THROUGHOUT ALL THE MECH. BAY AREAS LIKE WISE MUST NOT BE ALTERED.
- 12.BEFORE FABRICATION OR INSTALLATION, THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT AND EQUIPMENT PROVIDED UNDER ANOTHER SECTION OF SPECIFICATIONS. EXACT ROUGH-IN LOCATIONS AND REQUIREMENTS SHALL BE COORDINATED IN FIELD.
- 13.CONNECTION BETWEEN INCOMPATIBLE MATERIALS ABOVE GRADE AND INSIDE BUILDING SHALL BE MADE WITH TWO (2) DIELECTRIC UNIONS SEPARATED BY A TWELVE INCH (12") SECTION OF RED BRASS PIPE.
- 14.ALL FLOOR AND WALL PENETRATIONS MUST BE SEALED WATERTIGHT AND VERMIN

15.ALL EXTERIOR GAS COCKS. WATER SHUTOFF VALVES AND/OR SEWER CLEAN OUTS

- BELOW GROUND SHALL BE INSTALLED IN YARD BOXES WITH THE COVERS CONSPICUOUSLY MARKED "GAS", "WATER", AND "SEWER" RESPECTIVELY.
- 16.EXACT LOCATIONS AND MOUNTING HEIGHTS OF PLUMBING FIXTURES SHALL BE OBTAINED FROM THE ARCHITECTURAL DRAWINGS.
- 17.SEE ARCHITECTURAL DRAWINGS FOR HANDICAP FIXTURE LOCATIONS AND MOUNTING HEIGHTS. INSULATE ALL EXPOSED HOT WATER AND DRAIN PIPING BELOW HANDICAP LAVATORIES AND SINKS WITH INSULATING TAPE AND OFFSET P-TRAP AGAINST WALL. ALL FLUSH VALVES FOR HANDICAP SHALL BE LOCATED ON HANDICAP WHEELCHAIR ACCESS SIDE OF STALL.
- 18.ALL WASTE, SOIL AND VENT PIPING SHALL SLOPE AT 2% UNLESS OTHERWISE
- 19.ALL VALVES, TRAP PRIMERS, WATER HAMMER ARRESTORS OR OTHER EQUIPMENT SHOWN IN WALLS OR ABOVE NON-ACCESSIBLE CEILINGS SHALL BE INSTALLED BEHIND AN ACCESS PANEL.
- 20.PLUMBING CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BASE BID. HE SHALL FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS AND FUTURE WORK TO BE DONE. HE SHALL INCLUDE ALL HIS SITE INFORMATION AND CONDITIONS WITHIN HIS BASE BID. HE SHALL BE RESPONSIBLE FOR COMPLETE AND FULLY FUNCTIONING PLUMBING SYSTEMS.
- 21.PLUMBING CONTRACTOR SHALL COORDINATE COMPLETE PLUMBING INSTALLATION AND REQUIREMENTS PRIOR TO BASE BID WITH ALL LOCAL DISTRICTS AND GOVERNING AUTHORITIES. INCLUDE ALL FINDINGS WITHIN THE BASE BID.
- 22.PROVIDE RECIRCULATION PUMP FOR HOT WATER WHEN THE HOT WATER PIPE IS OVER 50'. NON-RECIRCULATED FIXTURE BRANCH PIPING SHALL NOT EXCEED 25 FT
- 23.PROVIDE TRAP SEAL PRIMER FOR FLOOR DRAIN SUBJECT TO INFREQUENT USE. 24.ALL PLUMBING, AND GAS LINES SHALL BE CONCEALED WITHIN THE BUILDING
- STRUCTURE TO AS GREAT EXTENT AS POSSIBLE. ALL EXPOSED CONDUITS, PLUMBING, ETC. SHALL BE INSTALLED AT LEAST 6" OFF FLOOR AND 3/4" FROM WALLS USING STANDOFF BRACKETS.
- 25.PLUMBING OR PIPING CANNOT BE INSTALLED ACROSS ANY AISLE WAY, TRAFFIC AREA OR DOOR OPENING.
- 26.MULTIPLE RUNS OR CLUSTERS OF PIPELINES SHALL BE FURRED IN OR ENCASED IN AN APPROVED SEALED ENCLOSURE.
- 27.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 GRATES.
- 28.FLOOR SINK TO BE 50% EXPOSED WHEN NO ACCESS IS PROVIDED FOR CLEANING OR BE IN LINE WITH THE FRONT FACE OF ELEVATED FREESTANDING EQUIPMENT.
- 29.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.
- 30.ALL SANITARY SYSTEM MATERIALS SHALL BE LISTED BY AN APPROVED LISTING AGENCY.
- 31.EACH VENT SHALL RISE VERTICALLY TO A POINT NOT LESS THAN SIX (6) INCHES ABOVE THE FLOOD-LEVEL RIM OF THE FIXTURE SERVED BEFORE OFFSETTING HORIZONTALLY OR BEFORE BEING CONNECTED TO ANY OTHER VENT.
- 32.EACH VENT SHALL TERMINATE NOT LESS THAN 10 FEET FROM, OR AT LEAST 3 FEET FROM, OR NOT LESS THAN 3 FEET ABOVE, ANY OPENABLE WINDOW, DOOR, OPENING, AIR INTAKE, OR VENT SHAFT, OR NOT LESS THAN 3 FEET IN EVERY DIRECTION FROM ANY LOT LINE.

			/	WATER LO	AD	WASTE LOAD		
FIXTURE OR EQUIPMENT TYPE	MARK	NO. OF FIXTURES	WATER FU. PER FIXTURE	COLD WATER F.U	HOT WATER F.U	WASTE F.U PER FIXTURE	TOTAL WASTE FU	
HAND SINK	HS-1	2	2	2	2	2	2x2= 4 F.U	
MOP SINK	MS-1	1	3	3	3	3	3 F.U	
FLOOR DRAIN	FD-1	4	-	-	-	3	3x4 = 12 F.U	
3 COMP SINK	S-3	1	2	2	2	INDIRECT	INDIRECT	
TWO BOWL SINK	S-2	1	2	2	2	INDIRECT	INDIRECT	
FLOOR SINK	FS-1	2	-	-	-	6	2x6=12 F.U	
LAVATORY	LAV-1	1	1	1	1	1	1	
WATER CLOSET	WC-1	1	1	1	1	4	4	
-								
TOTAL	-	-	-	14	12	-	31	

WATER CALCULATION

STREET MAIN TO THE FARTHEST OUTLET

*** PLUMBING CONTRACTOR TO CONFIRM THE MIN. PRESSURE PRIOR TO START AND REPORT TO ENGINEER *** IF IT IS LOWER THAN INDICATED BELOW

BUILDING EXTERNAL PRESSURE LOSS:	
AVAILABLE WATER PRESSURE:	70 PSI MAX. 60 PSI MIN.
2" WATER METER (EXIST.) 2" PRPV (EXIST.)	5 PSI 10 PSI
PRESSURE AVAILABLE AT BUILDING ENTRANCE	35PSI

BUILDING INTERNAL PRESSURE LOSS

BUILDING INTERNAL PRESSURE LOSS.	
<u>10FT</u> . HEIGHT (x 0.434)	4.3 PSI
PRESSURE REQUIRED AT FIXTURE(FLUSH TANK)	20 PSI
MIN. PRESSURE REQUIRED FOR FRICTION LOSS	22.7 PSI

AVAILABLE PRESSURE FOR FRICTION LOSS: TOTAL LENGTH 150 FT x 1.2 = TOTAL EQUIV.LENGTH (T.E.L.)

= 180 FT.

20.7 PSI x 100 + 180 FT. T.E.L. = 11.5 PSI PER 100 FT. USE 8 PSI PER 100 FT

WAIER DE	ATER CALC	ULATIONS			
PLUMBING FIXTURE	DEMAND (GPM)				
3 COMP. SINK (S-3)	2 GPM PER FAUCET	1	2		
LAVATORIES (LAV-1)	0.5 GPM	1	0.5		
TWO COMP. SINK (S-2)	0.5 GPM	1	0.5		
MOP SINK (MS-1)	2.0 GPM	1	2		
HAND SINK (HS-1)	0.5 GPM	2	1		
EQUIPMENTS PER ANSI ACCREDITED CERT PROG. N/A N/A					
NO EQUIPMENTS IN THIS FACILITY REQU	IIRES HOT WATER.				

THE LOCAL HEALTH AGENCY USES A 50°F RISE FOR THEIR CALCULATIONS BASED ON INCOMING WATER TEMPERATURES. THE TANKLESS WATER HEATER PROPOSED FOR THIS FACILITY IS A COMMERCIAL GAS TANKLESS WATER HEATER NORTIZ NCC199CDV -THAT HAS A MAXIMUM INPUT OF 199,000 BTU/H. AT A 50°F RISE,THIS WATER HEATER IS ABLE TO PROVIDE A MAXIMUM FLOW RATE OF 7.8

		C	COLD W	ATER SIZ	ING			
PIPE SIZE	1/2" 3/4" 1" 1-1/4" 1-1/2" 2" 2-1/2							
GPM	4	9	18	28	48	90	175	
WSFU	4	9	20	30	50	90	180	
BASED OI MAXIMUM		_		.0 PSI PEF	R 100 FT.	1	1	

HOT WATER SIZING 1/2" 1-1/4" 2" 2-1/2" SIZE 3/4" 1-1/2" GPM 21 50 98 WSFU 9 20 30 50 100

BASED ON PRESSURE LOSS 7.0 PSI PER 100 FT. MAXIMUM VELOCITY = 5.0 FPS REVISION REVISION

> ENGINEER OF RECORD REVIEWED BY SEAL / STAMP

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PLUMBING NOTES

SHEET NUMBER

Design | Engineering | Construction Ben Hamed, AM.ASCE, AIA DESIGNER ENGINEER ACC & ENGINEERING 1130 N KRAEMER BLVD #I

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CONTRACTOR

CONTRACTOR TO PULL PERMIT AFTER APPROVAL OF PLANS AMERICAN CONSTRUCTION **COMPANY** 1130 N KRAEMER BLVD #I ANAHEIM, CA 92806 LIC#1073807

PROJECT NAME LOCATION

2

AUTHORITY HAVING JURISDICTION (AHJ) **BUILDING DEPARTMENT | CITY OF CORONA**

REVISION SCHEDULE

SEQUENCE DESCRIPTION DATE

SHEET NAME

PLUMBING FIXTURE SCHEDULE

CONDITION	ITEM	FIXTURE	COLD WATER	HOT WATER	WASTE	TRAP	VENT	CONNECTION TYPE	С	DESCRIPTION & RELATED ACCESSORIES
EXISTING TO REMAIN & VERIFIED	WC 1	WATER CLOSET (ADA APPROVED)	1/2"	-	4"	INT.	2"	DIRECT		"KOHLER" KINGSTON MODEL. K-4300 WHITE VITREOUS CHINA WALL MOUNTED TOILET WITH ELONGATED BOWL OR APPROVED EQUAL. INCLUDE ZURN Z6000AV-WS1 GPF. INCLUDE MODEL K-4650 ELONGATED OPEN FRONT TOILET SEAT. TOILET SHALL BE ADA. ASME A112.19.2 AND ASME A112.19.6 COMPLIANT.
EXISTING TO REMAIN & VERIFIED	<u>L</u>	LAVATORY (ADA APPROVED)	1/2"	1/2"	2"	1-1/2"	2"	DIRECT	OV LAV	"KOHLER" HUDSON MODEL K-2849 CAST IRON WALL MOUNT AVATORY OR APPROVED EQUAL INCLUDE (BOLD HOLES) AND /ERFLOW. INCLUDE "KHOLER" TRITION MODEL K74015A BRASS ATORY FAUCET WITH POLISHED CHROME FINISH AND AERATOR, UP DRAIN, AND WRISTBLADE LEVER HANDLES. LAVATORY AND CET SHALL BE ADA COMPLIANT AND MEET ASME A112.9.1M AND ASME A112.18.1 COMPLIANT.
ONE (EXISTING) AND ONE (NEW)	HS 1	HAND SINK (ADA COMPLIANT)	1/2"	1/2"	2"	1-1/2"	2"	DIRECT	WALL MOUNT	EAGLE GROUP HSA-10-FWLDP WITH SPLASH GUARD / SOAP & TOWEL DISPENSER MOUNTED GOOSENECK FAUCET. BASKET DRAIN, P-TRAP AND TAILPIECE. ADVANCE TABCO K-1 SPLASH MOUNT FAUCET W/ 12" SWING NOZZLE
EXISTING TO REMAIN & VERIFIED	\(\sigma \) 1	3 COMPARTMENT	1/2"	1/2"	2"	1-1/2"	1-1/2"	INDIRECT		GSW SE18183D THREE COMPARTMENT SINK W/ 18" GHT DRAINBOARDS. INSTALL W/ FISHER 34479 BACKSPLASH PRE-RINSE D-ON FAUCET. 1.15 GPM SPRAY VALVE. EQUIVALENT FIXTURE ACCEPTABLE
EXISTING TO REMAIN & VERIFIED	S2 1	3 COMPARTMENT	1/2"	1/2"	2"	1-1/2"	1-1/2"	INDIRECT		GSW SE-18182D TWO COMPARTMENT SINK W/ 18" GHT DRAINBOARD. INSTALL W/ FISHER 34479 BACKSPLASH PRE-RINSE D-ON FAUCET. 1.15 GPM SPRAY VALVE. EQUIVALENT FIXTURE ACCEPTABLE
EXISTING TO REMAIN & VERIFIED	MS 1	MOP SINK	1/2"	1/2"	3"	3"	2"	DIRECT	WITH MOP RA	I EQUIPMENT SCHEDULE OR EQUAL. GSW - SE2024FM - 24"X24"X21" CK & CHEMICAL SHELF OVANCE TABCO K-240 SERVICE FAUCET W/ VACUUM BREAKER, CHROME-IS.
EXISTING TO REMAIN & VERIFIED	WH 1	WATER HEATER	3/2"	3/4"	-	-	-	IN DIRECT DRAIN TO MOPSINK	INF	STING TO REMAIN BRADFORD WHITE COMMERCIAL ULTRA LOW NOX HIGH OUT GAS WATER HEATER MODEL# ULG250H553N COMPLETE WITH ALL CLUDING TEMPERATURE AND PRESSURE RELIEF VALVE AND DRAIN VALVE ED FOR APPLICATION EXPANSION TANK. 55K BTU/HR
EXISTING TO REMAIN & VERIFIED	FS 1	FLOOR SINK	1/2" TRAP PRIMER	-	2"	2"	2"	DIRECT	ZURN	Z-1902, 12" SQUARE TOP, HALF GRATE COVER AND 8" DEEP DOME STRAIER. EQUIVALENT FIXTURE ACCEPTABLE.
EXISTING TO REMAIN & VERIFIED	TP 1	TRAP PRIMER	1/2"	-	-	-	-	DIRECT	P -	EXISTING TO REMAIN TRAP PRIMER: (SINGLE DRAWN TRIBUTION), "PRECISION PLUMBING PRODUCT, INC" OREGAN #1 O-500 TRAP PRIMER, PRISTON OPERATED (TO OPERATE LESS THEN 1 PSI PRESSURE DROP), PROVIDE WITH 1/2" CW LINE TO LOOR DRAIN, ISOLATION VALVE, & STAINLESS STEEL ACCESS PANEL.
EXISTING TO REMAIN & VERIFIED	(FD)	FLOOR DRAIN	-	-	2"	2"	1-1/2"	DIRECT		"J.R. SMITH" MODEL #2005Y ROUND TOP FLOOR WITH DUCO CAST IRON BODY WITH FLASHING DLLER, ADJUSTABLE STRAINER HEAD, POLISHED BRONZE STRAINER, 1/2" TRAP PRIMER CONNECTION, AND NO HUB CONNECTION.
EXISTING TO REMAIN & VERIFIED	VR 1	WATER HEATER VACUUM CONTROL VALVE	-	-	-	-	-	DIRECT	VAC	XISTING TO REMAIN "WATER REGULATOR" WATER SERVICE JUM RELIEF VALVE, MODEL #N36 M, ORDER #138458-3/4" NPT. PENS @ LESS THAN 1/2 " VACUUM. TESTED & RATED UNDER "ANSI2 21.22." CGA CERTIFIED OR APPROVED EQUAL.
EXISTING TO REMAIN & VERIFIED	BF 1	DOUBLE CHECK VALVE BACKFLOW PREVENTER	3/2"	-	-	-	-	DIRECT		STING TO REMAIN "WILKINS" MODEL 95XL DOUBLE CHECK VALVE BACKFLOW PREVENTER. TWO INUNE INDEPENDENT CHECK VALVES, CAPTURED SPRINGS AND CHECK SEATS WITH TWO QUARTER TURN, FULL PORT BALL VALVES.
EXISTING TO REMAIN & VERIFIED	RP 1	PRINCIPLE REDUCED PRESSURE BACKFLOW PREVENTER	1/2"	-	-	-	-	DIRECT	PR SEF	EXISTING TO REMAIN "WILKINS" MODEL 975XLST 1/2" REDUCED ESSURE PRINCIPLE BACKFLOW PREVENTER. STAINLESS STEEL MAIN BODY WITH TO INUNE INDEPENDENT CHECK VALVES PARATED BY AN INTERMEDIATE CHAMBER FOR RELIEF VENTING OF THE ATMOSPHERE. PREVENTAL SHALL COME WITH TWO FULL PORT BALL VALVES AND MODEL AG AIR GAP.
	WCO	WALL CLEAN	OUT		LINE	E SIZE			ZURN Z1441 W	ALL CLEANOUT W/SMOOTH ACCESS COVER EQUIVALENT FIXTURE ACCPETABLE.
	FCO	FLOOR CLEA	NOUT		LINE	SIZE			ZURN Z14	00-B FLOOR CLEANOUT EQUIVALENT FIXTURE ACCEPTABLE.
_	CV	CHECK VALV	Æ		LINE	E SIZE			ZURN 40XL2	IN-LINE SINGLE CHECK VALVE. INSTALL PER MANUFACTURER'S INSTRUCTIONS. EQUIVALENT ACCEPTABLE.

NOTES:

BACK FLOW PREVENTER ASSEMBLY REQUIREMENTS

TYPE OF EQUIPMENT ON SYSTEM	METHOD OF CROSS CONNECTION CONTROL	MANUFACTURE AND MODEL NUMBER	REMARKS
COFFE BREWER	REDUCED PRESSURE ZONE ASSEMBLY	WATTS SS009-3QT ASSE 1013 CERT	STAINLESS STEEL BODY WITH QUARTER TURN VALVE SS STRAINER.
ICE MACHINE	REDUCED PRESSURE ZONE ASSEMBLY	WATTS LF-009-QT-S	STAINLESS STEEL BODY WITH QUARTER TURN VALVE BRONZE STRAINER.
ESPRESSO MACHINE	DOUBLE CHECK VALVE ASSEMBLY (DCVA)	WATTS SD3LF ASSE 1022/1024 CERT.	STAINLESS STEEL BODY WITH QUARTER TURN VALVE BRONZE STRAINER.
WATER SERVICE	REDUCED PRESSURE ZONE ASSEMBLY	WATTS LF-919-QT	LEAD FREE CAST COPPER WITH QUATER TURN
MOP SINK	BLEEDER T DEVICE WITH HOSE	TCD PARTS	MOP SINK TO HAVE BUILT-IN VACCUM BREAKER FOR BACKFLOW PREVENTION

^{1.} CONTRACTOR SHALL PROVIDE INDIVIDUAL BACKFLOW PREVENTERS FOR EACH PIECE OF EQUIPMENT.

^{3.} MOP SINK WITH BUILT IN VACCUM BREAKER; BLEEDER T CONNECTION IS OPTIONAL.

TABLE TO CALCULATE DRAINAGE FIXTURES						
PLUMBING FIXTURE	DRAINAGE FIXTURE UNITS	NUMBER OF FIXTURES	DFUS			
WATER CLOSET (WC-1)	3	1	3			
LAVATORIES (LAV-1)	1	1	1			
FLOOR DRAINS (FD-1)	2	4	8			
FLOOR SINK (FS-1)	6	2	12			
HAND SINK (HS-1)	2	2	4			
MOP SINK	3	1	3			
TOTAL DRAINAGE FIX	TURE UNITS		31			

TABLE TO CALCULATE SUPPLY WATER FIXTURE UNITS						
PLUMBING FIXTURE	WATER FIXTURE UNITS	NUMBER OF FIXTURES	SFUS			
WATER CLOSET (WC-1)	4	1	4			
LAVATORIES (LAV-1)	2	1	2			
3 COMPARTMENT SINK	4	1	4			
2 COMPARTMENT SINK	4	1	4			
HAND SINK (HS-1)	2	2	4			
MOP SINK	3	1	3			
			21			
TOTAL WATER SUPPLY FIXTURE UNITS						
GPM			19.5			



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CONTRACTOR CONTRACTOR TO PULL PERMIT AFTER APPROVAL OF PLANS AMERICAN CONSTRUCTION COMPANY 1130 N KRAEMER BLVD #I ANAHEIM, CA 92806 LIC#1073807

PROJECT NAME LOCATION OWNER

2

AUTHORITY HAVING JURISDICTION (AHJ) BUILDING DEPARTMENT | CITY OF CORONA

REVISION SCHEDULE REVISION REVISION REVISION SEQUENCE DESCRIPTION DATE

ENGINEER OF RECORD

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SHEET NAME

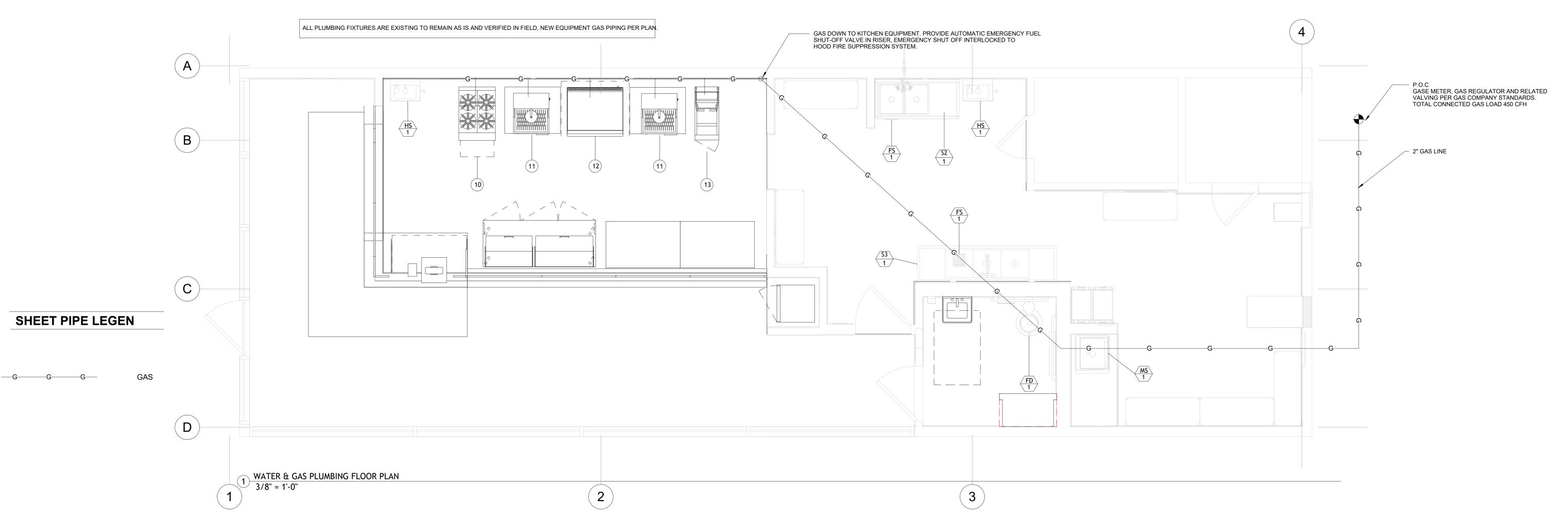
PLUMBING SCHEDULES

SHEET NUMBER

^{1.} ICE BIN DISCHARGE, ESPRESSO MACHINE, ICE MAKER, SHALL BE PLUMBED TO A FLOOR SINK WITH A MINIMUM 1 INCH AIR GAP.

^{2. .} A FLOOR DRAIN SHALL BE PROVIDED ADJUCENT TO THE FIXTURE, AND THE FIXTURE SHALL BE CONNECTION AND THE FIXTURE DRAIN IN ACCORDANCE WITH SECTION 704.3 OF THE CPC.

^{2.} EACH BACKFLOW PREVENTER MUST HAVE TESTING PORTS.



GENERAL NOTES:

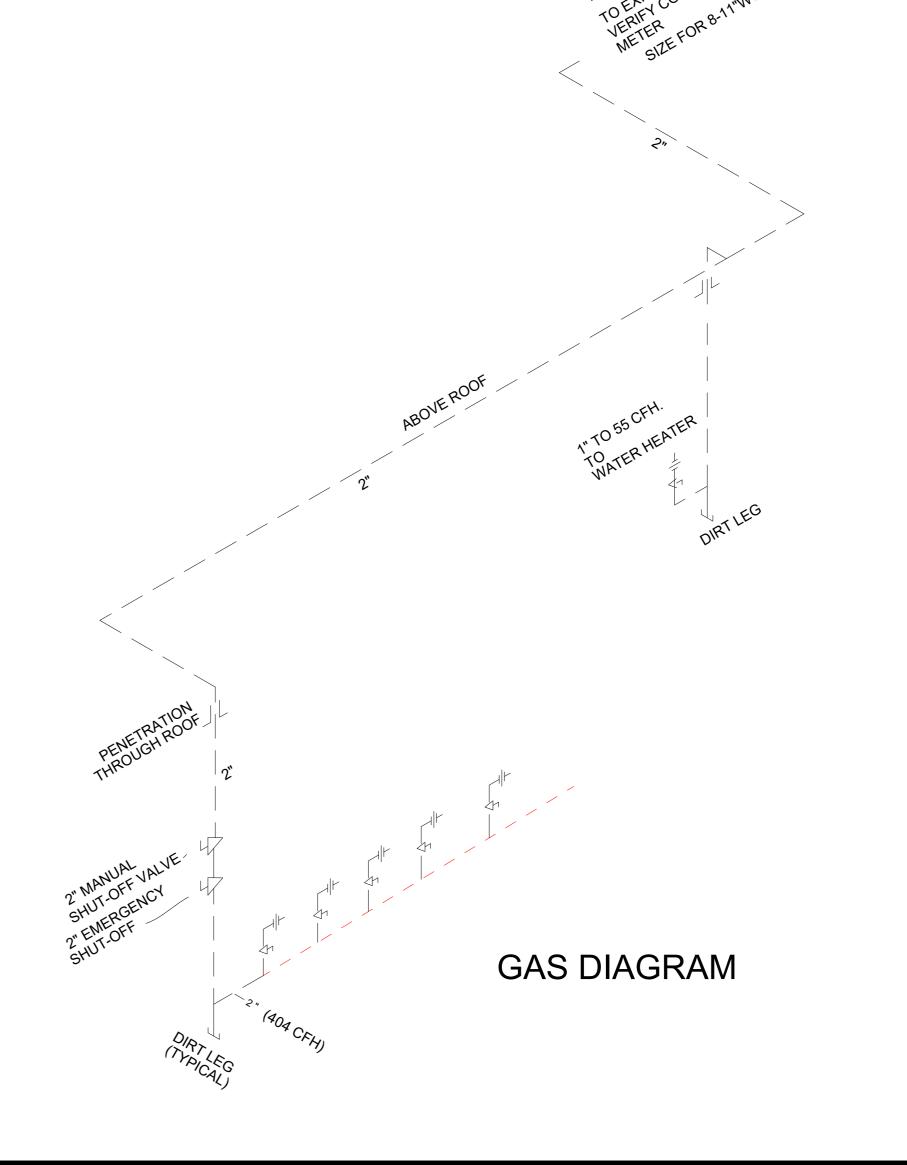
- GAS SUPPLY COMPLIANCE: ALL GAS PIPING AND COMPONENTS MUST COMPLY WITH 2022 CALIFORNIA PLUMBING CODE.
- MATERIAL SPECIFICATION: GAS PIPING MATERIALS MUST BE OF A TYPE CORRUGATED STAINLESS STEEL TUBING (CSST), AND OTHERS AS PER 2022 CALIFORNIA PLUMBING CODE.
- PIPE SIZING: THE GAS PIPE SIZING MUST ACCOMMODATE THE TOTAL BTU/HR DEMAND OF ALL KITCHEN APPLIANCES, ALLOWING FOR FUTURE EXPANSION. SIZING CALCULATIONS ARE INCLUDED IN THE PLAN.
- SHUTOFF VALVES: A MANUAL SHUTOFF VALVE MUST BE INSTALLED AT THE LOCATION WHERE THE GAS LINE ENTERS THE KITCHEN AND AT EACH APPLIANCE FOR SAFETY AND MAINTENANCE PURPOSES.
- PRESSURE TESTING: ALL GAS PIPING INSTALLATIONS MUST BE PRESSURE TESTED FOR LEAKS AT 1.5 TIMES THE OPERATING PRESSURE FOR A DURATION SPECIFIED BY 2022 CALIFORNIA PLUMBING CODE. TEST RESULTS SHOULD BE DOCUMENTED.
- **VENTILATION:** ADEQUATE VENTILATION MUST BE PROVIDED IN AREAS WHERE GAS APPLIANCES ARE INSTALLED TO ENSURE THE DISPERSAL OF ANY POTENTIAL GAS LEAKS AND TO PROVIDE COMBUSTION AIR.
- APPLIANCE INSTALLATION: ALL GAS-FIRED APPLIANCES MUST BE INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS AND MUST HAVE EASY ACCESS FOR SERVICE AND MAINTENANCE.
- BACKFLOW PREVENTION: BACKFLOW PREVENTION DEVICES MUST BE INSTALLED WHERE REQUIRED TO PREVENT CONTAMINATION OF THE WATER SUPPLY.
- **IDENTIFICATION:** GAS PIPES MUST BE CLEARLY IDENTIFIED WITH YELLOW LABELS OR PAINT, INDICATING THE DIRECTION OF FLOW AND PRESSURE RATINGS, AT INTERVALS AND LOCATIONS FOR EASY IDENTIFICATION DURING MAINTENANCE AND EMERGENCY SITUATIONS.
- **INSPECTION AND APPROVAL:** THE GAS PIPING SYSTEM MUST BE INSPECTED AND APPROVED BY A CERTIFIED INSPECTOR PRIOR TO USE. DOCUMENTATION OF THE INSPECTION AND APPROVAL MUST BE MAINTAINED ON SITE.

NEW GAS PIPING NOTES:

- 1 MAIN GAS SERVICE LINE IS EXISTING, GAS COMPANY TO PROVIDE & INSTALL GAS METER, REGULATORS & CONNECTION TO EQUIPMENTS.
- 2 HOUSE LINE AS SHOW ON THE PLANS TO BE VERIFIED IN THE FIELD BY THE PLUMBING CONTRACTOR FOR CODE COMPLIANCE.
- 3- FURNISH AND INSTALL A GAS COCK, DIRT LEG, AND UNION CONNECTION AT EACH PIECE OF EQUIPMENT
- 4- PROVIDE MANUAL SHUT-OFF VALVE FOR GAS LINE ABOVE AUTOAMIC EMERGENCY FUEL SHUT OFF VALVE IN RISER. SEE GAS RISER DIAGRAM
- 5- TESTING AND PURGING OF GAS PIPING SHALL BE DONE PER THE REQUIREMENTS OF THE LOCAL GAS COMPANY, LOCAL CODES AND APPLICABLE NFPA CODES.

6- CONTACT AND COORDINATE GAS SERVICE, METER AND REGULATOR REQUIREMENTS WITH THE LOCAL GAS COMPANY.

	GAS LOAD	SUN	MARY				
EQUIPMENT	DESIGNATION	QTY	GAS INLET SIZE	INPUT	TOTAL CFH		
EXISTING WATER HEATER	WH-1	1	3/4"	55,000 BTU/HR	55		
RANGE W/ OVEN	10	1	3/4"	120,000 BTU/HR	120		
VERTICAL BROILER	11	2	3/4"	47,500 BTU/HR	47x2=94		
GAS GRIDDLE	12	1	3/4"	90.000 BTU/HR	90		
GAS FRYER	13	1 3/4" 100,000 BTU/HR		100,000 BTU/HR	100		
TOTAL NATURAL GAS	CONNECTED EQUIPMENT	6					
TOTAL NATURAL GA	S CONNECTED LOAD	459 CFH					
TOTAL DEV	/ELOPED LENGTH INCLUDING EQUIVA	LENT PIPE	LENGTH FOR 15	50 FT X 1.2 = 180			
METER & REGULATOR PER GAS COMPANY. GAS PIPING SIZING PER GAS RISER DIAGRAM.							





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LIC#1073807

PROJECT NAME LOCATION OWNER 2

AUTHORITY HAVING JURISDICTION (AHJ) **BUILDING DEPARTMENT | CITY OF CORONA** REVISION SCHEDULE

REVISION REVISION REVISION SEQUENCE DESCRIPTION DATE Revision 1 04-19-2024

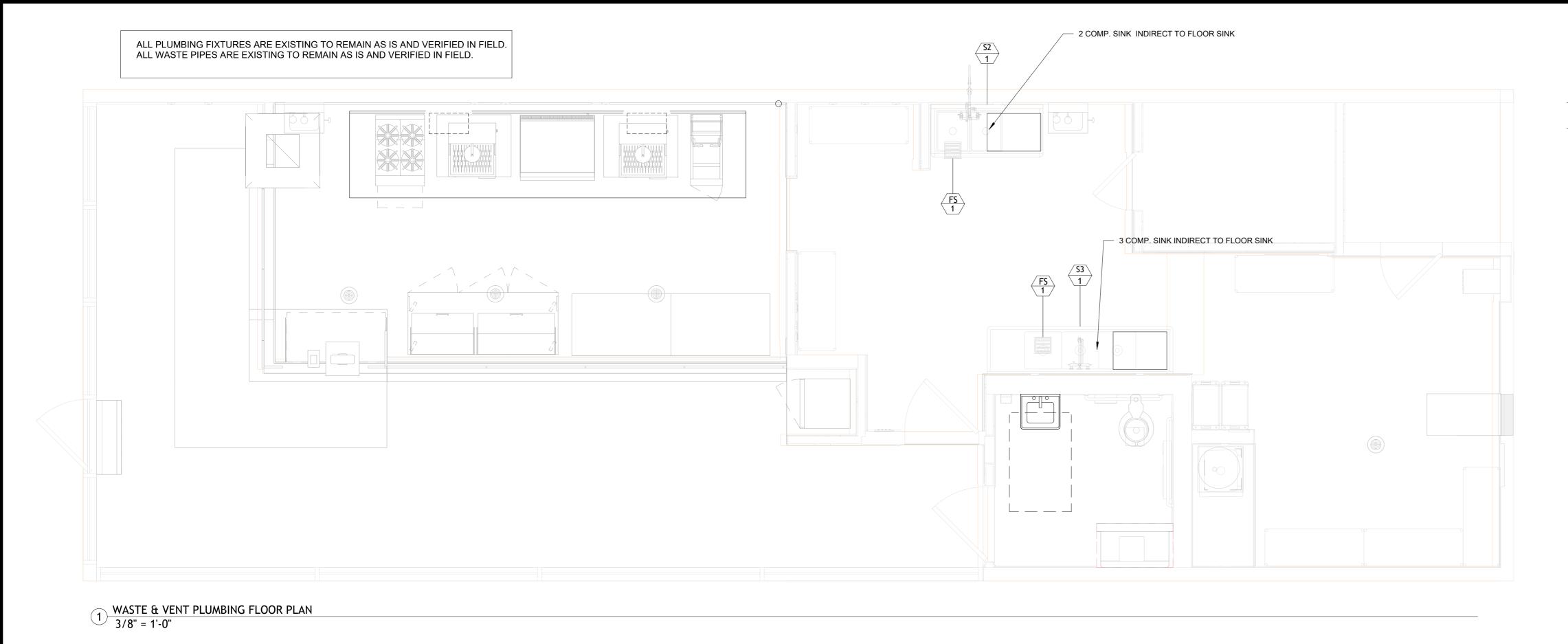
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SHEET NAME PLUMBING WATER & GAS

SHEET NUMBER



CALIFORNIA PLUMBING REQUIREMENTS

THESE INSTRUCTIONS ARE TO ENFORCE CALIFORNIA PLUMBING CODE REQUIREMENTS

- 1. EXISTING BUILDING SEWERS AND BUILDING DRAINS MAY BE USED IF SUCH SEWERS HAVE BEEN PROPERLY MAINTAINED AND FOUND UPON EXAMINATION AND TEST PERFORMED BY THE OWNER OR OWNER'S DESIGNATED AGENT THAT THEY ARE IN WORKING CONDITION AND FREE FROM ANY DEFECT.
- 2. CLEANOUTS SHALL BE INSTALLED AS PER SEC. 707.0 & 719.0 OF THE COUNTY OF LOS ANGELES PLUMBING CODE.
- 3. EACH PLUMBING VENT SHALL TERMINATE NOT LESS THAN TEN (10) FEET FROM OR AT LEAST THREE (3) FEET ABOVE ANY OPENABLE WINDOW, DOOR, OPENING OR AIR INTAKE. 906.2.
- 4. WATER SUPPLY AND DRAIN PIPES UNDER ACCESSIBLE LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE BE CONFIGURED TO PROTECT AGAINST CONTACT. PROTECTORS, INSULATORS, OR BOTH SHALL COMPLY WITH ASME A112.18.9 403.3.
- 5. DOUBLE COMBINATION FITTING IS NOT PERMITTED TO INSTALL IN HORIZONTAL POSITION. AS AN ALTERNATIVE, TWO COMBINATION WYE & 1/8 BEND FITTINGS MAY BE USED. 706.3.
- 6. COMBUSTIBLE PIPING INSTALLATIONS SHALL BE INSTALLED PER CHAPTER 14 OF THE COUNTY OF LOS ANGELES PLUMBING CODE FOR "FIRESTOP PROTECTION".
- 7. NEW OR REPAIRED POTABLE WATER SYSTEMS SHALL BE DISINFECTED PRIOR TO USE ACCORDING TO SECTION 609.9 (1-3) OF THE PLUMBING CODE.
- 8. CONTRACTOR SHALL PROVIDE A SIGNED WRITTEN DECLARATION TO THE INSPECTOR AT TIME OF INSPECTION THAT POTABLE WATER SYSTEM HAS BEEN DISINFECTED PER SECTION 609.9.
- 9. WHERE LOCAL STATIC WATER PRESSURE (HIGH OR LOW) IS IN EXCESS OF EIGHTY (80)POUNDS PER SQUARE INCH, AN APPROVED TYPE PRESSURE REGULATOR PRECEDED BY AN ADEQUATE STRAINER SHALL BE INSTALLED TO REDUCE THE STATIC PRESSURE TO EIGHTY (80)POUNDS PER SQUARE INCH OR LESS. USE ACTUAL "FALL-OFF" PRESSURE LOSS IF APPENDIX "A" METHOD IF SIZING IS USED. EACH SUCH REGULATOR AND STRAINER SHALL BE ACCESSIBLY LOCATED ABOVEGROUND OR IN A VAULT WITH PROPER DRAINAGE. 608.2.
- 10. ALL EXPOSED GAS PIPING SHALL BE PROTECTED AGAINST CORROSION BY COATING OR WRAPPING WITH AN INERT MATERIAL APPROVED FOR SUCH APPLICATIONS. 1210.2.
- 11. ALL GAS PRESSURE REGULATORS SHALL BE VENTED SEPARATELY TO THE OUTSIDE OF THE BUILDING. 1208.8.4.

WASTE FLOOR PLAN INSTALLATION NOTES:

- 1- (E) WATER HEATER TO BE PLUMBED TO THE JANITOR SINK BELOW THROUGH AN AIR GAP. (V.I.F)
- 2- (E) WALK IN COOLER & FREEZER TO BE PLUMBED TO THE FLOOR SINK ADJACENT. (V.I.F)
- 3- ALL FLOOR SINKS MUST BE AT LEAST HALF-EXPOSED UNDER THE CURB MOUNTED EQUIPMENT OR BE IN LINE WITH THE FRONT FACE OF ELEVATED FREESTANDING EQUIPMENT AND LOCATED WITHIN 15 FEET OF THE CONDENSATE PRODUCING EQUIPMENT.
- 4- DRAIN LINES MUST BE AT LEAST SIX (6) INCHES OFF THE FLOOR AND 1/2 INCH AWAY FROM WALLS AND NOT CROSS ANY AISLE, TRAFFIC AREA OR DOOR OPENING. PROVIDE EASILY REMOVABLE (WITHOUT THE USE OF TOOLS) SAFETY GRATES ON EXPOSED FLOOR SINKS.



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AMERICAN CONSTRUCTION **COMPANY** 1130 N KRAEMER BLVD #I

ANAHEIM, CA 92806 LIC#1073807

PROJECT NAME LOCATION

AUTHORITY HAVING JURISDICTION (AHJ)

2

BUILDING DEPARTMENT | CITY OF CORONA REVISION SCHEDULE

REVISION REVISION REVISION SEQUENCE DESCRIPTION DATE

> ENGINEER OF RECORD REVIEWED BY SEAL / STAMP

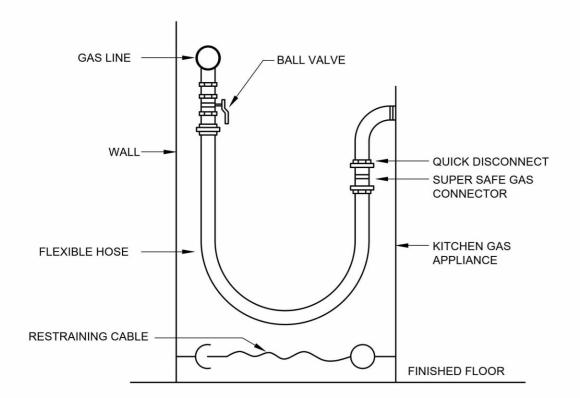
THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER IS THE LEGAL REPRESENTATION THAT THIS ENGINEERING DRAWINGS, PLANS, AND SPECIFICATIONS WERE PREPARED EITHER BY THE PROFESSIONAL ENGINEER OR ANY OF ACC ENGINEERING FIRM DESIGNERS WHO WERE UNDER THE RESPONSIBLE CHARGE (DIRECT CONTROL AND PERSONAL SUPERVISION) OF THE PROFESSIONAL ENGINEER. IT FURTHER CERTIFIES THAT THE WORK PERFORMED WAS DONE COMPETENTLY, MEETS THE PROFESSIONAL STANDARD OF CARE, AND IS I ACCORDANCE WITH ACCEPTED STANDARDS OF



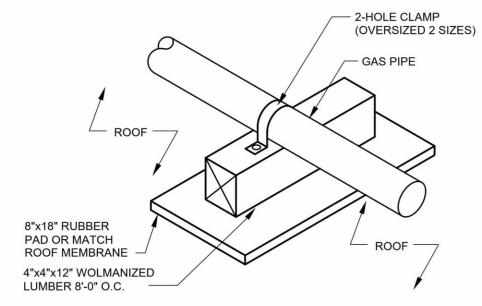
SHEET NAME

PLUMBING WASTE & VENT

P-003

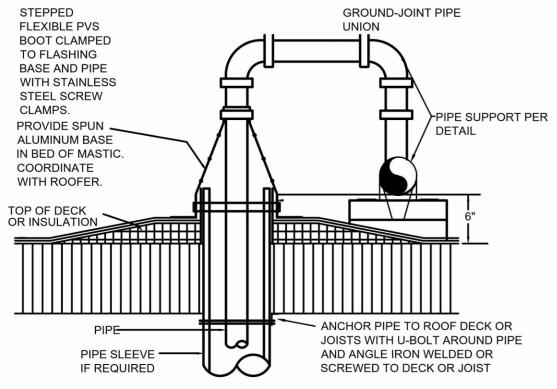


KITCHEN EQUIPMENT GAS CONNECTION DETAIL SCALE: NO SCALE



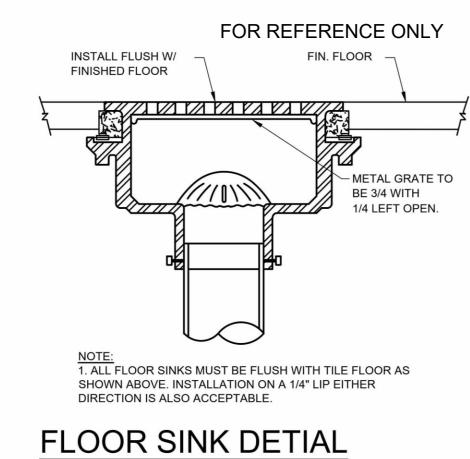
NOTE: ROOF PAD IS RECOMMENDED TO AVOID ABRASION TO ROOF

GAS MOUNTING DETAIL SCALE: NO SCALE



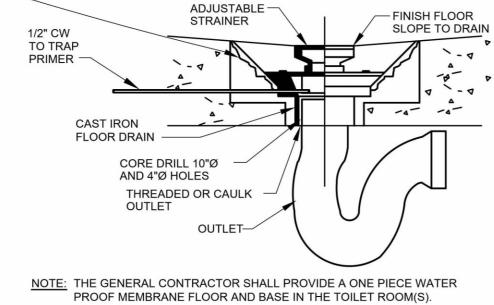
REFER TO PLANS FOR PIPE SIZES AND LOCATIONS. USE WELDED OR SCREWED FITTINGS AS SPECIFIED FOR PIPE SIZE, LOCATE PENETRATION MINIMUM 18" FROM ADJECENT WALLS.

ROOF PENETRATION DETAIL SCALE: NO SCALE



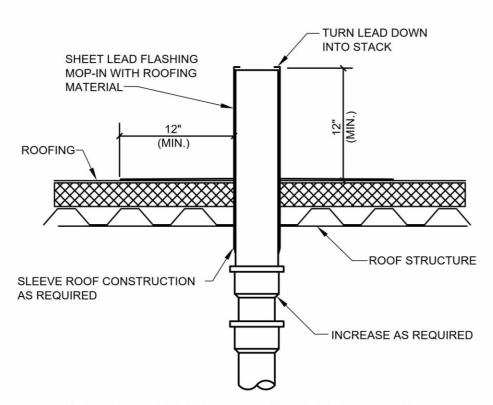
SCALE: NO SCALE

5LB. LEAD FLASHING SHALL BE FORMED TO CHIPPED CONCRETE WITH A POSITIVE SLOPE TO REFERENCE ONLY CLAMP DEVICE. PROVIDE NON- SHRINK SPOUT UNDER LEAD FLASHING AS REQUIRED TO FACILITATE POSITIVE SLOPE (ANY FLASHING MATERIALS OTHER THAN LEAD IS UNACCEPTABLE. MINIMUM WIDTH OF FLASHING SHALL BE 24").

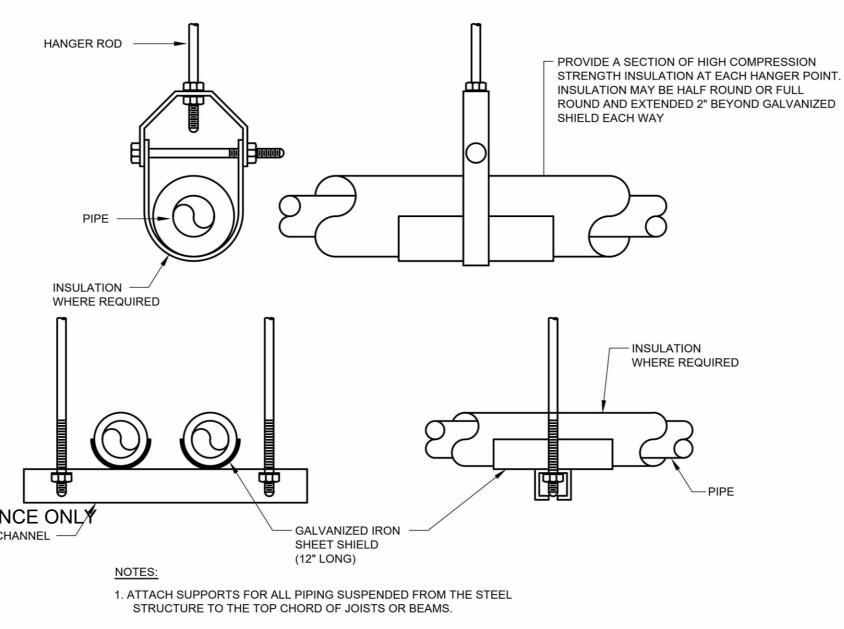


FLOOR DRAIN w/TRAP PRIMER

SCALE: NO SCALE



VENT THRU ROOF DETAIL SCALE: NO SCALE



2. PROVIDE COPPER OR PLASTIC COATED HANGERS FOR NON-INSULATED

PIPE HANGER DETAIL

Design | Engineering | Construction

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T.I PROPOSED BUSINESS OWNERS



CONTRACTOR CONTRACTOR TO PULL PERMIT AFTER APPROVAL OF PLANS AMERICAN CONSTRUCTION COMPANY 1130 N KRAEMER BLVD #I ANAHEIM, CA 92806

LIC#1073807

PROJECT NAME LOCATION 2

AUTHORITY HAVING JURISDICTION (AHJ) BUILDING DEPARTMENT | CITY OF CORONA

REVISION SCHEDULE

REVISION REVISION REVISION SEQUENCE DESCRIPTION DATE

> ENGINEER OF RECORD REVIEWED BY SEAL / STAMP

THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER IS THE LEGAL REPRESENTATION THAT THIS ENGINEERING DRAWINGS, PLANS, AND SPECIFICATIONS WERE PREPARED EITHER BY THE PROFESSIONAL ENGINEER OR ANY OF ACC 8 ENGINEERING FIRM DESIGNERS WHO WERE UNDER THE RESPONSIBLE CHARGE (DIRECT CONTROL AND PERSONAL SUPERVISION) OF THE PROFESSIONAL ENGINEER. IT FURTHER CERTIFIES THAT THE WORK PERFORMED WAS DONE COMPETENTLY, MEETS THE PROFESSIONAL STANDARD OF CARE, AND IS IN ACCORDANCE WITH ACCEPTED STANDARDS OF



SHEET NAME

SHEET NUMBER

PLUMBING DETAILS

ELECTRICAL SPECIFICATIONS (AS APPLICABLE)

DIVISION 16 - ELECTRICAL

SECTION 16000

BASIC ELECTRICAL REQUIREMENTS

- 1. DRAWINGS AND GENERAL PROVISIONS OF CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND ALL OTHER SPECIFICATION SECTIONS, APPLY TO THIS AND THE OTHER SECTIONS OF DIVISION 16.
- 2. THE CONTRACTOR FOR THIS DIVISION OF WORK IS REQUIRED TO READ THE SPECIFICATIONS AND REVIEW DRAWINGS FOR ALL DIVISIONS OF WORK AND IS RESPONSIBLE FOR THE COORDINATION OF THIS WORK AND THE WORK OF HIS SUBCONTRACTORS WITH ALL DIVISIONS OF WORK. IT IS THIS CONTRACTORS RESPONSIBILITY TO PROVIDE HIS SUBCONTRACTORS WITH A COMPLETE SET OF BID DOCUMENTS.
- THIS ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SCHEDULING THE COMPLETION AND INSPECTION OF THIS WORK TO COMPLY WITH TENANT/ARCHITECT'S SCHEDULE AND THE PROJECT COMPLETION DATE.
- 4. THIS CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTAL OF BID TO DETERMINE CONDITIONS AFFECTING THE WORK. ANY ITEMS WHICH ARE NOT COVERED IN THE BID DOCUMENTS OR ANY PROPOSED SUBSTITUTIONS SHALL BE LISTED SEPARATELY AND QUALIFIED IN THE CONTRACTORS BID. SUBMITTAL OF BID SHALL SERVE AS EVIDENCE OF KNOWLEDGE OF EXISTING CONDITIONS AND ANY MODIFICATIONS WHICH ARE REQUIRED TO MEET THE INTENT OF THE DRAWINGS AND SPECIFICATIONS. FAILURE TO VISIT THE SITE DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY IN PERFORMANCE OF HIS WORK.
- 5. REFER TO RESPONSIBILITY SCHEDULE FOR INFORMATION IN REGARD TO RESPONSIBILITY OF WORK OR ITEMS WHICH MAY AFFECT THE BID.

B. GENERAL REQUIREMENTS

- THIS CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, SERVICES, TOOLS, TRANSPORTATION, INCIDENTALS AND DETAILS NECESSARY TO PROVIDE A COMPLETE ELECTRICAL SYSTEM AS SHOWN ON THE DRAWINGS, CALLED FOR IN THE SPECIFICATIONS, AND AS REQUIRED BY JOB CONDITIONS. ALL WORK NOT SPECIFICALLY NOTED AS BEING BY THE LANDLORD OR ARCHITECTS SHALL BE PROVIDED BY THIS CONTRACTOR. CLOSELY COORDINATE THE ENTIRE INSTALLATION WITH THE LANDLORD AND ARCHITECTS, AS REQUIRED.
- 2. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO SUPPLEMENT EACH OTHER AND ANY MATERIAL OR LABOR CALLED FOR IN ONE SHALL BE FURNISHED AND INSTALLED EVEN THOUGH NOT SPECIFICALLY MENTIONED IN BOTH. ANY MATERIAL OR LABOR WHICH IS NEITHER SHOWN ON THE DRAWINGS NOR CALLED FOR IN THE SPECIFICATIONS. BUT WHICH IS OBVIOUSLY NECESSARY TO COMPLETE THE WORK, AND WHICH IS USUALLY INCLUDED IN WORK OF SIMILAR CHARACTER, SHALL BE FURNISHED AND INSTALLED AS PART OF THE CONTRACT.
- 3. WHERE THE DRAWINGS OR SPECIFICATIONS CALL FOR ITEMS WHICH EXCEED CODES OR THE LANDLORD'S TENANT CRITERIA, THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING THE SYSTEM WITH THE MORE STRINGENT REQUIREMENTS AS DESIGNED AND DESCRIBED ON THESE DRAWINGS, UNLESS SPECIFICALLY NOTED
- 4. ALL WORK IN THIS SECTION SHALL BE INSTALLED SO AS TO BE READILY ACCESSIBLE FOR OPERATING, SERVICING, MAINTAINING, AND REPAIRING. THIS CONTRACTOR IS RESPONSIBLE FOR PROVIDING SUFFICIENT SERVICE ACCESS TO ALL EQUIPMENT
- 5. ALL WORK SHALL BE PERFORMED IN A NEAT PROFESSIONAL MANNER USING GOOD CONSTRUCTION PRACTICES.
- 6. UNLESS SPECIFICALLY NOTED OTHERWISE, MATERIALS, PRODUCTS, AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW, UNDERWRITERS LABORATORIES LISTED AND LABELED AND SIZED IN CONFORMITY WITH REQUIREMENTS OF STATE AND LOCAL CODES, WHICHEVER IS MORE STRINGENT.
- 7. THIS CONTRACTOR SHALL DO ALL CUTTING, CHASING AND CHANNELING REQUIRED FOR ANY WORK UNDER THIS DIVISION. CUTTING SHALL HAVE PRIOR APPROVAL BY THE ARCHITECTS AND THE LANDLORD. ALL PATCHING SHALL BE BY G.C. AND SHALL MATCH THE SURROUNDING SURFACES.
- 8. THE ELECTRICAL CONTRACTOR SHALL MAKE ALL FINAL ELECTRICAL CONNECTIONS AS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM.

C. <u>TEMPORARY LIGHT AND POWER</u>

- 1. THIS CONTRACTOR SHALL FURNISH AND INSTALL ALL TEMPORARY WIRING AND RELATED GROUND FAULT INTERRUPTION PROTECTION FOR LIGHT AND POWER FOR ALL CONTRACTORS AND SHALL BE RESPONSIBLE FOR
- 2. THE GENERAL CONTRACTOR SETS UP ALL ELECTRICAL UTILITIES IN THE NAME OF THE TENANT. TENANT PAYS FOR ALL UTILITIES THROUGHOUT CONSTRUCTION.

1. ALL WORK SHALL CONFORM TO THE LANDLORD'S CRITERIA, THE STATE'S, COUNTY'S, CITY'S AND LOCAL CODES AND ORDINANCES, SAFETY AND HEALTH CODES, NFPA CODES, ENERGY CODES AND ALL OTHER APPLICABLE CODES AND REQUIREMENTS. THIS CONTRACTOR SHALL INQUIRE INTO AND COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, AND REGULATIONS. THIS CONTRACTOR SHALL INCLUDE ANY CHANGES REQUIRED BY CODES IN THE BID AND IF THESE CHANGES ARE NOT INCLUDED IN THE BID, THEY MUST BE QUALIFIED AS A SEPARATE LINE ITEM IN THE BID. AFTER CONTRACT IS AWARDED, CHANGE ORDERS FOR INCREASED COSTS DUE TO CODE ISSUES WILL NOT BE ACCEPTED BY OWNER, UNLESS ALLOWANCES HAVE PREVIOUSLY BEEN AGREED UPON.

E. LICENSES, PERMITS, INSPECTIONS & FEES

- 1. THIS OWNER SHALL OBTAIN AND PAY FOR ALL LICENSES, PERMITS, INSPECTIONS, AND FEES REQUIRED OR
- 2. FURNISH TO ARCHITECTS ALL CERTIFICATES OF INSPECTION AND FINAL INSPECTION APPROVAL AT COMPLETION OF

F. TRADE NAMES, MANUFACTURERS AND SHOP DRAWINGS

- WHERE TRADE NAMES AND MANUFACTURERS ARE USED ON THE DRAWINGS OR IN THE SPECIFICATIONS, THE EXACT EQUIPMENT SHALL BE USED AS A MINIMUM FOR THE BASE BID. MANUFACTURERS CONSIDERED AS AN EQUAL OR BETTER IN ALL ASPECTS TO THAT SPECIFIED WILL BE SUBJECT TO APPROVAL IN WRITING BY ARCHITECTS/ENGINEERS THROUGH SHOP DRAWING SUBMITTAL PROCESS FOR ACCEPTANCE PRIOR TO INSTALLATION. THE USE OF ANY UNATHORIZED EQUIPMENT SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- 2. GENERAL CONTRACTOR SHALL SUBMIT ONLY SUBSTITUTION REQUESTS TO ARCHITECTS/ENGINEERS FOR APPROVAL. SUBMISSIONS SHALL BE MADE EARLY ENOUGH IN PROJECT TO ALLOW FOUR (4) WORKING DAYS FOR ARCHITECTS/ENGINEERS REVIEW WITHOUT CAUSING DELAYS OR CONFLICTS TO THE JOB'S PROGRESS. SUBMITTALS SHALL BEAR THE STAMP AND/OR THE SIGNATURE OF THE GENERAL CONTRACTOR AND THE SUB-CONTRACTOR SHOWING THAT HE HAS REVIEWED AND CONFIRMED THAT THE SUBMITTALS ARE IN CONFORMANCE WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS OR INDICATE WHERE EXCEPTIONS HAVE BEEN TAKEN.

G. GUARANTEE

THE EQUIPMENT MANUFACTURER SHALL PROVIDE A 12 MONTH GUARANTEE TO TENANT FROM THE DATE OF ACCEPTANCE. THIS CONTRACTOR SHALL WARRANTY THE INSTALLATION OF THIS EQUIPMENT AND WILL BE RESPONSIBLE FOR ANY DAMAGE AND/OR MALFUNCTION CAUSED BY THE INSTALLATION. THIS CONTRACTOR SHALL NOT BEAR ADDITIONAL WARRANTIES BEYOND A COMPLETE WORKING SYSTEM.

H. RECORD DRAWINGS

- 1. THIS CONTRACTOR SHALL MAINTAIN ONE SET OF DRAWINGS ON THE JOB SITE UPDATED WEEKLY TO RECORD ALL DEVIATIONS FROM CONTRACT DRAWINGS, SUCH AS:
- a. LOCATION OF CONCEALED CONDUIT AND EQUIPMENT.
- b. REVISIONS, ADDENDUMS, AND CHANGE ORDERS.
- SIGNIFICANT DEVIATIONS MADE NECESSARY BY FIELD CONDITIONS, APPROVED EQUIPMENT SUBSTITUTIONS, AND CONTRACTOR'S COORDINATION WITH OTHER TRADES.
- 2. AT COMPLETION OF THE PROJECT AND BEFORE FINAL APPROVAL, THIS CONTRACTOR SHALL MAKE ANY FINAL CORRECTIONS TO DRAWINGS AND CERTIFY THE ACCURACY OF EACH PRINT BY SIGNATURE THEREON. FAILURE TO KEEP THESE RECORDS WILL ALLOW TENANT/ARCHITECTS TO DIRECT THE GENERAL CONTRACTOR TO PROVIDE THESE RECORDS AT HIS EXPENSE PRIOR TO FINAL PAYMENT.

I. DISCREPANCIES IN DOCUMENTS

1. DRAWINGS (PLANS, SPECIFICATIONS, AND DETAILS) ARE DIAGRAMMATIC AND INDICATE THE GENERAL LOCATION AND INTENT OF THE ELECTRICAL SYSTEMS. WHERE DRAWINGS, EXISTING SITE CONDITIONS, SPECIFICATIONS OR OTHER TRADES CONFLICT OR ARE UNCLEAR, ADVISE THE GENERAL CONTRACTOR IN WRITING, PRIOR TO SUBMITTAL OF BID. THE GENERAL CONTRACTOR IS RESPONSIBLE TO ADVISE PROJECT MANAGER, IN WRITING, OF VARIATIONS TO CONTRACT DOCUMENTS PRIOR TO SUBMISSION OF BID. OTHERWISE, TENANT/ARCHITECT'S INTERPRETATION OF CONTRACT DOCUMENTS OR CONDITIONS SHALL BE FINAL WITH NO ADDITIONAL COMPENSATION PERMITTED.

J. PHASING REQUIREMENTS

1. THIS CONTRACTOR IS TO INCLUDE IN HIS BID ALL NECESSARY SERVICE REQUIRED TO KEEP THE OPERATING PHASE OF THE STORE'S ELECTRICAL SERVICE IN OPERATION. CONTRACTOR MUST SCHEDULE IN WRITING WITH TENANT/ARCHITECTS AND THE LANDLORD ONE WEEK PRIOR TO ANY SHUT DOWN OF THE ELECTRICAL SYSTEM.

K. DEMOLITION

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THE DEMOLITION OF EXISTING WORK AND THE DEMOLITION PROVIDED BY THE GENERAL CONTRACTOR. COORDINATE WITH THE GENERAL CONTRACTOR ANY EXISTING EQUIPMENT REQUIRED TO BE LEFT INTACT.
- 2. THE CONTRACTOR SHALL INCLUDE, AND WILL BE HELD RESPONSIBLE FOR, THE REMOVAL OF ALL EXISTING ELECTRICAL EQUIPMENT, CONDUITS, ETC. NOT TO BE REUSED ON THIS PROJECT, UNLESS SPECIFICALLY NOTED OTHERWISE. CONTRACTOR MUST VERIFY WITH THE LANDLORD ALL PRESUMED ABANDONED EQUIPMENT PRIOR TO REMOVAL. ALL EXTRANEOUS ITEMS IN THE SPACE OR ON THE ROOF NOT APPLICABLE TO THE NEW WORK MUST BE REMOVED AND ROOF/WALL/FLOOR PATCHED/REPAIRED TO MATCH EXISTING STRUCTURE. EXISTING ABANDONED CONDUIT OR EQUIPMENT IN THE FLOOR, EMBEDDED IN CONCRETE OR OTHERWISE INACCESSIBLE ARE TO BE CUT OFF AND SEALED BELOW OR WITHIN FLOOR OR WALL LEVEL WHEN THEY ARE NOT TO BE REUSED IN THIS PROJECT. IF REQUIRED BY LANDLORD OR CODES, ABANDONED CONDUIT MUST BE REMOVED TO POINT OF ORIGIN. CONFIRM THE EXTENT OF DEMOLITION PRIOR TO BID AND INCLUDE IN BID PROPOSAL.

- 1. THE CONTRACTOR SHALL PROVIDE SLEEVES TO PROTECT EQUIPMENT OR FACILITIES IN THE INSTALLATION. EACH SLEEVE SHALL EXTEND THROUGH IT'S RESPECTIVE FLOOR, WALL OR PARTITION AND SHALL BE CUT FLUSH WITH EACH SURFACE EXCEPT SLEEVES THAT PENETRATE THE FLOOR, WHICH SHALL EXTEND 2" ABOVE THE FLOOR. CONTRACTOR MUST COORDINATE THROUGH THE LANDLORD ANY CORE DRILLING OR CUTTING OF OPENINGS IN
- 2. ALL SLEEVES AND OPENINGS THROUGH FIRE RATED WALLS AND/OR FLOORS SHALL BE FIRE SEALED WITH CALCIUM SILICATE, SILICONE "RTV" FOAM, "3M" FIRE RATED SEALANTS OR EQUAL, SO AS TO RETAIN THEIR FIRE RATING.
- SLEEVES IN BEARING AND MASONRY WALLS, FLOORS, AND PARTITIONS SHALL BE STANDARD WEIGHT STEEL PIPE FINISHED WITH SMOOTH EDGES. FOR OTHER THAN MASONRY PARTITIONS, THROUGH SUSPENDED CEILINGS, OR FOR CONCEALED VERTICAL PIPING, SLEEVES SHALL BE NO. 22 U.S.G. GALVANIZED STEEL MINIMUM.

M. <u>HANGERS</u>

- HANGERS SHALL INCLUDE ALL MISCELLANEOUS STEEL SUCH AS ANGLE IRON, BANDS, C-CLAMPS WITH RETAINING CLIPS, CHANNELS, HANGER RODS, ETC., NECESSARY FOR THE INSTALLATION OF WORK.
- HANGERS SHALL BE FASTENED TO BUILDING STEEL, CONCRETE, OR MASONRY, BUT NOT TO PIPING. HANGING FROM METAL DECK IS NOT PERMITTED. HANGERS MUST BE ATTACHED TO UPPER CHORD OF BAR JOIST. WHERE INTERFERENCES OCCUR, AND IN ORDER TO SUPPORT DUCTWORK OR PIPING, THE CONTRACTOR MUST INSTALL TRAPEZE TYPE HANGERS OR SUPPORTS WHICH SHALL BE LOCATED WHERE THEY DO NOT INTERFERE WITH ACCESS TO FIRE DAMPERS, VALVES, AND OTHER EQUIPMENT. HANGER TYPES AND INSTALLATION METHODS ARE ALSO SUBJECT TO LANDLORD CRITERIA.
- 3. HANGERS AND PIPING OF DISSIMILAR METALS SHALL BE DIELECTRICALLY SEPARATED.

N. FINAL ELECTRICAL INSPECTIONS

1. ASIDE FROM NORMAL INTERIM INSPECTIONS OF WORK IN PLACE, TENANT/ARCHITECTS MAY HAVE AN INDEPENDENT ELECTRICAL CONTRACTOR INSPECT THE FINISHED ELECTRICAL INSTALLATION UPON COMPLETION FOR COMPLIANCE WITH THE PLANS, SPECIFICATIONS AND CODES. THE INSTALLING CONTRACTOR WILL BE RESPONSIBLE TO BRING ALL ITEMS REPORTED BY THE INDEPENDENT ELECTRICAL CONTRACTOR UP TO PLANS AND SPECIFICATION REQUIREMENTS.

END OF SECTION 16000

A. CONTRACTOR NOTES

- 1. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, SERVICES, TOOLS, TRANSPORTATION, AND FACILITIES NECESSARY FOR, REASONABLY IMPLIED AND INCIDENTAL TO, THE FURNISHING, INSTALLATION. COMPLETION AND TESTING OF ALL THE WORK FOR THE ELECTRICAL SYSTEMS AS SHOWN ON THE DRAWINGS. CALLED FOR IN THE SPECIFICATIONS, AND AS REQUIRED BY JOB CONDITIONS, TO INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
- a. A COMPLETE ELECTRICAL DISTRIBUTION SYSTEM INCLUDING THE INSTALLATION OF SAFETY AND DISCONNECT SWITCHES, MOTOR STARTERS AND LIGHTING. IT IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO INCLUDE IN HIS BID FOR PROVIDING SERVICE EQUIPMENT NECESSARY FOR TIE-IN TO LANDLORD'S DISTRIBUTION EQUIPMENT OR TO OBTAIN SERVICE FROM LOCAL UTILITY COMPANY. REFER TO ELECTRICAL RESPONSIBILITY SCHEDULE AND ELECTRICAL POWER RISER DIAGRAM FOR ADDITIONAL INFORMATION.
- b. CONTRACTOR MUST ALSO INCLUDE IN BID ALL NECESSARY MATERIALS REQUIRED TO COMPLETE THE SYSTEM INCLUDING, BUT NOT LIMITED TO, FEEDERS, BRANCH CIRCUITS, JUNCTION BOXES, OUTLET BOXES, WIRING DEVICES, COVER PLATES, CONDUITS, ETC.
- METERING AND CURRENT TRANSFORMERS AS REQUIRED BY DRAWINGS, UTILITY COMPANY, AND/OR LANDLORD.
- d. THE WIRING OF MECHANICAL EQUIPMENT AS OUTLINED ON THE BID SET DRAWINGS AND IN THE SPECIFICATIONS. WORK SHALL INCLUDE WIRING OF ALL STARTERS, DISCONNECTS, AND POWER WIRING OF MECHANICAL EQUIPMENT EXCEPT AS SPECIFICALLY NOTED OTHERWISE. ALL LOW VOLTAGE (24 VOLT) EMS TEMPERATURE CONTROL WIRING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR UNLESS NOTED SPECIFICALLY ON DRAWING.
- e. INSTALLATION OF LIGHT FIXTURES AND LAMPS AS SHOWN ON THE DRAWINGS INCLUDING ALL DEVICES, EQUIPMENT, ETC. REQUIRED FOR MOUNTING.
- f. A COMPLETE CONDUIT SYSTEM FOR TELEPHONE/DATA INCLUDING BRANCH CONDUITS, OUTLET BOXES, PULL WIRES, GROUND CONDUCTORS, COVER PLATES, ETC. OR AS SPECIFICALLY NOTED OTHERWISE ON THE
- g. A COMPLETE EMERGENCY AND EXIT LIGHTING SYSTEM AS SHOWN ON THE DRAWINGS.
- TEMPORARY SERVICE AS INDICATED IN THE SPECIFICATIONS, INCLUDING ITS REMOVAL.
- i. FINAL CONNECTIONS TO ALL SIGNS, CORNICE LIGHTING, CASE LIGHTING, ETC. AS SHOWN ON DRAWINGS.
- j. IF INDICATED ON DRAWINGS, INSTALLATION AND WIRING OF SPEAKERS, AMPLIFIERS, CONDUIT AND FINAL CONNECTIONS FOR SOUND SYSTEM AS SHOWN.
- SMOKE/FIRE ALARM WIRING, DEVICES AND CONDUIT, AS SHOWN OR DESCRIBED ON DRAWINGS OR AS
- NECESSARY TO MEET LANDLORD, STATE, LOCAL, INSURANCE AND FIRE DEPARTMENT REQUIREMENTS.

INSTALLATION OF CONDUITS STUBBED TO ABOVE CEILING FOR HVAC. ALSO, ANY ADDITIONAL CONDUIT FOR

- HVAC CONTROL EQUIPMENT WHERE PLENUM RATED CABLES ARE NOT PERMITTED. m. BALANCING LOADS.
- n. AS-BUILTS, PANEL DESCRIPTION AND CIRCUIT BREAKER SPECIFIC LABELING.
- 2. THE FOLLOWING ITEMS OF ELECTRICAL CONSTRUCTION ARE NOT INCLUDED IN THIS CONTRACT.
- a. TELEPHONE INSTRUMENTS AND WIRING UNLESS NOTED OTHERWISE.
- b. DATA CABLE WIRING UNLESS NOTED OTHERWISE
- 3. BEFORE STARTING WORK, THIS CONTRACTOR SHALL EXAMINE THE ARCHITECTURAL, STRUCTURAL, FIRE PROTECTION, MECHANICAL AND PLUMBING PLANS, SHOP DRAWINGS AND SPECIFICATIONS TO SEQUENCE, COORDINATE. AND INTEGRATE THE VARIOUS ELEMENTS OF THE ELECTRICAL SYSTEM, MATERIALS AND EQUIPMENT WITH OTHER CONTRACTORS TO AVOID INTERFERENCES AND CONFRONTATIONS.

B. CONDUIT

- 1. THIS CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUITS SERVING ALL EQUIPMENT, INCLUDING BUT NOT LIMITED TO, LIGHTING, RECEPTACLES, HEATING, AIR CONDITIONING, PLUMBING EQUIPMENT, TELEPHONE, DATA, SPEAKERS, SECURITY, PAGER, TRAFFIC COUNTING SYSTEM AND ELECTRICAL EQUIPMENT.
- 2. ALL CONDUITS SHALL BE GALVANIZED IMC OR EMT UNLESS OTHERWISE SPECIFIED IN SPECIFICATIONS OR ON DRAWINGS. ALL CONDUIT IS TO BE UL LABELED. EMT CONNECTORS SHALL BE STEEL COMPRESSION OR SET SCREW TYPE. CONDUIT UNDER SLAB ON GRADE SHALL BE RIGID STEEL, OR SCHEDULE 40 PVC WITH RIGID STEEL ELLS WHERE PERMITTED BY LANDLORD OR CODE.
- 3. MINIMUM SIZE OF CONDUIT SHALL BE:
- a. MAIN FEEDER CONDUIT 2" OR LARGER FOR ALL APPLICATIONS.
- b. 1/2" FOR INDIVIDUAL LIGHTING FIXTURE CONNECTIONS OR TO INDIVIDUAL LIGHT SWITCHES (IF ACCEPTABLE BY THE LANDLORD AND LOCAL CODE OFFICIALS) AND 3/4" FOR ALL OTHER LOCATIONS.

c. IF HVAC CONTROL WIRING IS REQUIRED TO BE RUN IN CONDUIT, IT SHALL BE A MINIMUM OF 3/4", UNLESS

- d. ALL IN/UNDER FLOOR CONDUIT SHALL BE OF MINIMUM 3/4" SIZE.
- 4. SUPPORT ALL CONDUIT, INCLUDING SEISMIC AND SWAY BRACING, IN ACCORDANCE WITH THE NEC AND LOCAL
- 5. GENERALLY, ALL CONDUIT SHALL BE CONCEALED EXCEPT FOR UNFINISHED AREAS, SUCH AS EQUIPMENT ROOMS EXPOSED CONDUIT SHALL BE ALLOWED ONLY AS NOTED ON PLAN AND AS APPROVED BY PROJECT MANAGER. PAINTING OF CONDUITS, NOTED ON DRAWINGS OR SPECIFICATIONS WILL BE BY GENERAL CONTRACTOR.

FLEXIBLE METAL CONDUIT OR MC TYPE CABLE:

NOTED OTHERWISE ON DRAWINGS.

- a. FLEXIBLE CONDUIT OR MC TYPE CABLE SHALL BE USED FOR THE FOLLOWING APPLICATIONS ONLY:
- FINAL CONNECTIONS TO MOTORS.
- FINAL CONNECTIONS INTO AND OUT OF THE TRANSFORMER.
- FINAL CONNECTIONS TO VIBRATING EQUIPMENT.
- 4. INTER-CONNECTIONS BETWEEN ALL LIGHT FIXTURES AND HOMERUNS TO PANELS WHERE CODE ALLOWS.
- 5. FINAL CONNECTIONS WHERE RIGID CONDUIT IN NOT PRACTICAL.
- IN WALLS (FOR LIGHT SWITCHES AND 120 VOLT POWER RECEPTACLES AND HVAC CONTROL EQUIPMENT).
- b. FLEXIBLE METAL CONDUIT OR MC TYPE CABLE MUST BE THE SAME SIZE AS THE IMC OR EMT CONDUIT TO WHICH IT IS CONNECTED. BOTH THE FLEXIBLE METAL CONDUIT AND IT'S FITTINGS ARE TO BE LISTED FOR GROUNDING. A GREEN GROUNDING CONDUCTOR SHALL BE INSTALLED. ALL CONNECTORS ARE TO BE OF A
- c. THE USE OF ROMEX, BX, ETC. IS PERMITTED ONLY IN RESIDENTIAL CONSTRUCTION NOT HIGHER THAN THREE
- d. CONNECTION TO ANY OUTDOOR EQUIPMENT MUST BE WEATHERPROOF.
- 7. PROVIDE PULL-WIRE IN ALL EMPTY CONDUITS EXCEPT AS NOTED OTHERWISE ON DRAWINGS.
- 8. HOME RUNS AND MAIN CONDUIT RUNS ARE TO BE HELD TIGHT TO STRUCTURE ABOVE OR AS REQUIRED TO ALLOW PROPER SERVICE ACCESS AND OTHER TRADES WORK. CONDUIT MUST BE TRAPEZED TO ALLOW 3 FEET MINIMUM CLEARANCE ABOVE CEILING.
- 9. ALL CONDUITS MUST BE SIZED PER NEC AND LOCAL CODES.
- 10. ALL SENSORMATIC WIRING MUST BE PLACED IN CONDUIT (PVC PIPE NOT PERMITTED).

- 1. ALL OUTLET BOXES SHALL BE GALVANIZED PRESSED STEEL OF THE STANDARD KNOCKOUT TYPE. NO ROUND OUTLET BOXES SHALL BE PERMITTED UNLESS INDICATED AND FOR LIGHTING THAT REQUIRE SUCH CONFIGURATION. CONCEALED BOXES SHALL NOT BE LESS THAN 4" SQUARE AND 1 1/2" DEEP, WITH PLASTER RINGS.
- 2. ALL KNOCKOUT BOXES, UPON WHICH LIGHTING FIXTURES ARE TO BE INSTALLED, SHALL BE EQUIPPED WITH 3/8" FIXTURE STUDS.
- 3. EXTERIOR BOXES SHALL BE CAST RUST-RESISTING METAL WITH GASKETED COVERS.
- 4. INSTALL BOXES RIGIDLY FROM BUILDING STRUCTURE AND SUPPORT INDEPENDENTLY OF THE CONDUIT SYSTEM. ALSO PROVIDE SUITABLE BOX EXTENSIONS TO EXTEND BOXES TO FINISHED FACES OF FLOORS, CEILINGS, WALLS ETC. ALL OUTLET BOXES TO BE PROVIDED WITH CADDY "QUICK-MOUNT BOX SUPPORT" TO MINIMIZE THE DEFLECTION THAT OCCURS WHEN PLUGGING/UNPLUGGING INTO THESE DEVICES.
- 5. UNLESS OTHERWISE NOTED ON DRAWINGS OR OTHERWISE REQUIRED BY THE NATIONAL ELECTRICAL CODE. HANDICAP CODES OR LOCAL CODES, OUTLET HEIGHTS SHALL BE AS FOLLOWS:
- a. SWITCH HEIGHT 48" FROM FINISHED FLOOR TO TOP OF OUTLET.
- b. CONVENIENCE OUTLETS:
- MOUNTED ON WALL NO MORE THAN 48-INCHES, MEASURED FROM TO TOP OF THE RECEPTACLE OUTLET BOX OR RECEPTACLE HOUSING AND; NO LESS THAN 15-INCHES, MEASURED FROM THE BOTTOM OF THE RECEPTACLE OUTLET BOX OR RECEPTACLE HOUSING, TO THE LEVEL OF THE FINISHED FLOOR OR WORKING PLATFORM UNLESS OTHERWISE INDICATED OR HORIZONTALLY MOUNTED IN BASEBOARD BENEATH CABINETS,
- c. TELEPHONE OUTLETS SHALL BE LOCATED AS NOTED ON DRAWINGS.

AS SHOWN ON DRAWINGS, OR AS REQUIRED BY LOCAL CODES, SEE DRAWINGS.

JUNCTION AND PULL BOXES

- 1. THE PLANS INDICATE ONLY SCHEMATIC ROUTINGS FOR CONDUIT RUNS. THIS CONTRACTOR SHALL FURNISH AND INSTALL ADDITIONAL BOXES WHERE REQUIRED BY FIELD CONDITIONS OR BY CODE.
- 2. BOXES AND COVERS SHALL BE GALVANIZED STEEL OF CODE GAUGE SIZE.
- 3. INSTALL BOXES RIGIDLY SUPPORTED FROM THE BUILDING STRUCTURE AND SUPPORTED INDEPENDENT OF THE
- D. 4. ARRANGE CIRCUITS TO AVOID THE USE OF JUNCTION BOXES IN INACCESSIBLE LOCATIONS. THE USE OF JUNCTION BOXES ABOVE DRYWALL CEILINGS SHOULD BE LIMITED TO LOCATIONS NEAR ACCESS FRAMES USED FOR DIFFUSERS AND RETURN AIR GRILLES OR ACCESS PANELS AS LOCATED ON PLANS.
- 5. JUNCTION AND PULL BOXES MUST BE LABELED WITH CIRCUIT NUMBER IDENTIFICATION AND SYSTEM TYPE ON

- 1. CONDUCTORS FOR FEEDERS AND BRANCH CIRCUITS SHALL BE COPPER AND THE AWG SIZE AND TYPE AS SHOWN ON DRAWINGS. MINIMUM WIRE SIZE #12. THE CONDUCTORS SHALL BE 600 VOLT INSULATION, TYPE THW, THWN OR
- 2. MINIMUM WIRE SIZE 20 AMP BRANCH CIRCUIT SHALL BE AWG LISTED SIZE PER DISTANCE SHOWN BELOW. DISTANCE SHALL BE MEASURED FROM THE PANELBOARD CIRCUIT BREAKER TO THE FURTHEST OUTLET.
- a. #12 LESS THAN 100 FEET
- b. #10 BETWEEN 100-150 FEET
- c. #8 BETWEEN 150 250 FEET
- d. #6 OVER 250 FEET
- 3. ON ALL 20 AMP BRANCH CIRCUITS, CONDUCTORS LARGER THAN #10 AWG SHALL BE REDUCED TO #10 AWG WITHIN 10 FEET OF PANEL BOARD AND DEVICE IN JUNCTION BOXES ON RATED TERMINAL STRIPS.
- 4. CONDUCTORS MAY BE STRANDED FOR SIZES #10 AWG AND LARGER. CONDUCTORS SIZE #12 SHALL BE SOLID (NOT STRANDED).
- 5. ALUMINUM CONDUCTORS ARE NOT PERMITTED, EXCEPT AT SERVICE ENTRANCE, WHERE REQUIRED BY LANDLORD. CONDUCTOR CONNECTION MUST BE PER MANUFACTURER'S REQUIREMENTS. CONTRACTOR MUST OBTAIN WRITTEN PERMISSION FROM GENERAL CONTRACTOR AND PROJECT MANAGER WHEN USED.
- 6. ALL WIRING SHALL BE IN CONDUIT, UNLESS SPECIFICALLY NOTED OTHERWISE (IE. LOW VOLTAGE PLENUM RATED
- 7. THE USE OF SHARED NEUTRALS IS REQUIRED FOR LIGHTING CIRCUITS AND SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND LOCAL CODES. ALL OTHER EQUIPMENT REQUIRING A NEUTRAL CONDUCTOR SHALL HAVE A DEDICATED FULL SIZE NEUTRAL.
- 8. THE USE OF ROMEX, BX, ETC. IS PERMITTED ONLY IN RESIDENTIAL CONSTRUCTION NOT HIGHER THAN THREE
- 9. WIRE CONNECTORS SHALL BE EQUAL TO "SCOTCH LOCK" FOR #8 AWG WIRE AND SMALLER AND EQUAL TO T & B "LOCKTIGHT" FOR #6 AWG AND LARGER.

10. ALL WIRING TO BE COLOR-CODED AS FOLLOWS:

120/208 VOLT SYSTEM 277/480 VOLT SYSTEM NEUTRAL - WHITE **NEUTRAL - GRAY** PHASE A OR L1 - BLACK PHASE A OR L1 - YELLOW PHASE B 0R L2 - RED PHASE C OR L3 - BLUE GROUND - GREEN

PHASE B 0R L2 - ORANGE PHASE C OR L3 - BROWN GROUND - GREEN WITH YELLOW TRACER

ELECTRICAL SYMBOLS LIST

LG.	WALL	FLR.	DESCRIPTION
\ni	\Rightarrow		DUPLEX RECEPTACLE AT +15" FOR WALL MOUNTED U.O.N.
₽	-		DOUBLE DUPLEX RECEPTACLE AT + 15" FOR WALL MOUNTED U.O.N.
			GROUND FAULT INTERRUPTING DUPLEX RECEPTACLE
	I USB		DUPLEX RECEPTACLE WITH USB 2.0 PORT
9	Ю	\bigcirc	SPECIAL RECEPTACLE. SEE EQUIPMENT PLAN/INSTALLATION MANUAL FOR SPECS AND DETAILS.
J	HĴ	J	JUNCTION BOX
•	M	4	COMBINATION TELEPHONE, DATA AND CABLE OUTLET AT +18" U.O.N. PROVIDE 1/2"C.O. STUBBED TO ACCESSIBLE CEILING SPACE
•	H		TELEPHONE OUTLET; CAT5E CABLE. RJ11 TERMINATION MOUNTED AT +18" PROVIDE 1/2"C.O. STUBBED TO ACCESSIBLE CEILING SPACE
	\bowtie		DATA OUTLET; CAT5E CABLE, RJ45 TERMINATION MOUNTED AT +18" U.O.N. PROVIDE 1/2"C.O. STUBBED TO ACCESSIBLE CEILING SPACE
			CABLE OUTLET; RG-6 COAXIAL CABLE. MOUNTED AT +18" U.O.N. PROVIDE 1/2"C.O. STUBBED TO ACCESSIBLE CEILING SPACE LIGHTING FIXTURE WITH 90 MIN. EMER. BATTERY PACK OR ON INVERTER SEE LIGHT FIXTURE SCHEDULE FOR DETAILS AND SPECS
_		-	CONDUIT STUB OUT, 3/4" MINIMUM - SEE PLANS FOR NOTES
		_	CONDUIT CONCEALED ABOVE CEILING OR IN WALLS
		→A-1	HOMERUN TO PANEL "P-1", CIRCUITS #1
=			GROUND CONNECTOR
		İ	ELECTRICAL PANEL. REFER TO PANEL SCHEDULE FOR DETAILS.
			MAIN SWITCHBOARD OR POWER DISTRIBUTION BOARD. VERIFY DIMENSION WITH VENDER/MANUFACTURER.
	1	١	DENOTES EQUIPMENT #1, SEE EQUIPMENT SCHEDULE FOR THE DETAILS AND EXACT SPECIFICATIONS.
	$\langle 1 \rangle$		INDICATES PLAN NOTE NUMBER "1", SEE PLAN
	1		DENOTES MECHANICAL EQUIPMENT #1 SEE MECHANICAL DRAWINGS FOR THE DETAILS AND SPECIFICATION
	\$		SINGLE POLE SWITCH AT 48" U.O.N.
	\$ ₃		THREE-WAY SWITCH AT +48" U.O.N.
	\$ _M		MANUAL MOTOR STARTER
	D		DIMMER SWITCH AT +48" U.O.N.
	D ₃		THREE-WAY DIMMER SWITCH AT +48" U.O.N.
	os		OCCUPANCY AUTOMATIC WALL SWITCH SENSOR WITH SINGLE LEVEL SWITCHING AT +48" U.O.N./MANUFACTURER TO BE DETERMINED
	VS		VACANCY AUTOMATIC WALL SWITCH SENSOR WITH SINGLE LEVEL SWITCHING AT +48" U.O.N./MANUFACTURER TO BE DETERMINED
	OS/D		OCCUPANCY SENSOR SINGLE POLE SWITCH WITH DIMMER CONTROL FEATURE AT +48" U.O.N./MANUFACTURER TO BE DETERMINED
	(OS)		CEILING MOUNTED OCCUPANCY SENSOR MANUFACTURER TO BE DETERMINED
	VS		CEILING MOUNTED VACANCY SENSOR MANUFACTURER TO BE DETERMINED
	(DL)		CEILING MOUNTED DAYLIGHT SENSOR MANUFACTURER TO BE DETERMINED
S) (C)	S/C)	HARD WIRED, WITH BATTERY BACKUP, SMOKE DETECTOR/CARBON MONOXIDE DETECTOR/MULTI-PURPOSE CARBON MONIXIDE & SMOKE DETECTOR.
[] F	}	NON-FUSED/FUSED SWITCH, SIZE AS SHOWN IN THE PLAN
	/0/	/	MOTOR OUTLET - IDENTIFICATION
	1 /c		TIME CLOCK WITH MANUAL BY-PASS SWITCH SEE LIGHTING CONTROL DIAGRAM FOR DETAILS
	S		GAS SOLENOID-SEE PLUMBING PLAN FOR EXACT LOCATION.
	CL		CURRENT LIMITER FOR TRACK LIGHTING FIXTURE. 1A RATED U.O.N.
	(N) / (E	=\	ABBREVIATION FOR NEW / EXISTING. EXISTING TO REMAIN U.O.N.

REFER TO DRAWING FOR SPECIFIC SYMBOLS USED.

SCOPE OF WORK

EXISTING COMMERCIAL TENANT IMPROVEMENT

EXISTING POWER TO BE USED FOR THE NEW HOOD.

EXISTING MAIN SERVICE FEEDER FROM BUILDING ELECTRICAL ROOM

EXISTING MAIN SERVICE FEEDER FROM BUILDING ELECTRICAL ROOM

1- COMPLY WITH CITY OF CORONA AMENDMENTS TO 2019 CEC. USE RIGID METAL CONDUIT IN ALL AREAS EXPOSED TO WEATHER. USE GROUND WIRE INSIDE ALL FLEXIBLE METAL CONDUITS. METAL CONDUITS SHALL NOT BE INSTALLED IN CONTACT

2- "ALL EQUIPMENT TO BE U.L LISTED OR EQUIVALENT"

CITY OF CORONA PLAN NOTES

Design | Engineering | Construction

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professional



CONTRACTOR CONTRACTOR TO PULL PERMIT AFTER APPROVAL OF PLANS AMERICAN CONSTRUCTION COMPANY

1130 N KRAEMER BLVD #I

ANAHEIM, CA 92806

LIC#1073807

PROJECT NAME LOCATION

AUTHORITY HAVING JURISDICTION (AHJ) **BUILDING DEPARTMENT | CITY OF CORONA**

REVISION SCHEDULE

SEQUENCE DESCRIPTION DATE

REVISION REVISION

ENGINEER OF RECORD REVIEWED BY SEAL / STAMP THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER IS THE LEGA REPRESENTATION THAT THIS ENGINEERING DRAWINGS, PLANS, AND SPECIFICATIONS WERE PREPARED EITHER BY THE PROFESSIONAL ENGINEER OR ANY OF ACC & ENGINEERING FIRM DESIGNERS WHO WER UNDER THE RESPONSIBLE CHARGE (DIREC' CONTROL AND PERSONAL SUPERVISION) OF THE PROFESSIONAL ENGINEER, IT FURTHER CERTIFIES THAT THE WORK PERFORMED WA

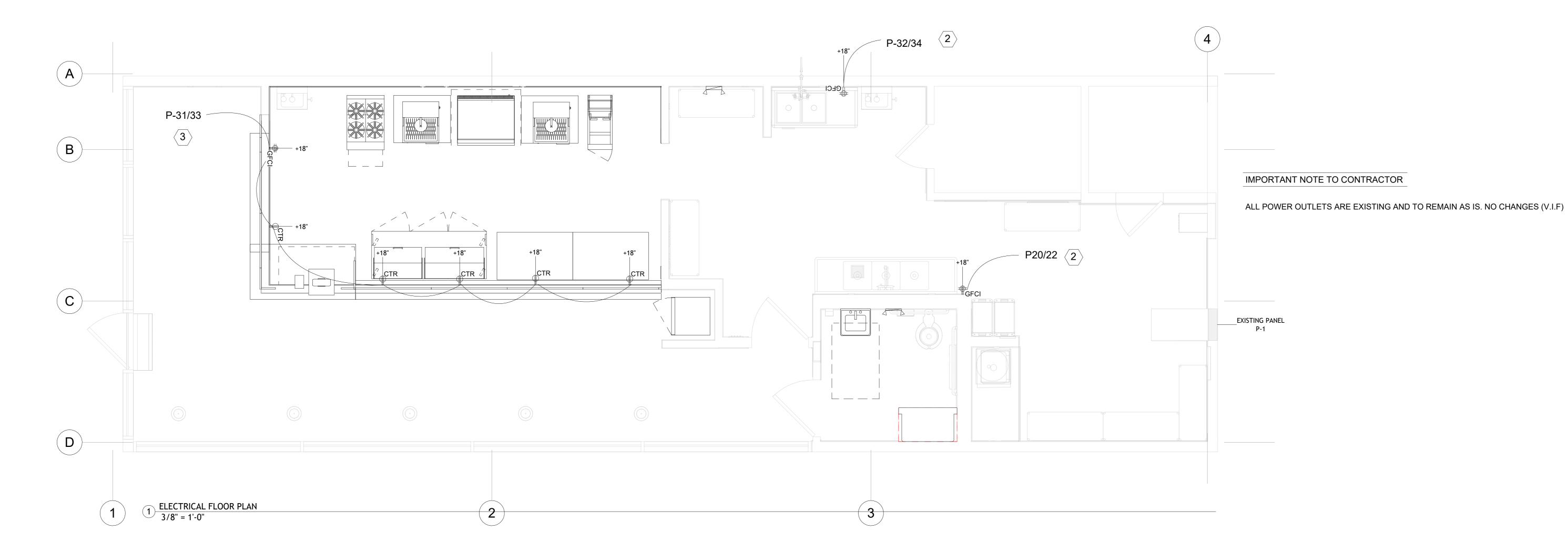
DONE COMPETENTLY, MEETS THE

PROFESSIONAL STANDARD OF CARE, AND IS I

ACCORDANCE WITH ACCEPTED STANDARDS OF



SHEET NAME **ELECTRICAL NOTES &** SPECIFICATIONS



GENERAL NOTES:

- ELECTRICAL EQUIPMENT SHALL BE LISTED BY U.L. OR CITY RECOGNIZED ELECTRICAL TESTING LABORATORY OR APPROVED BY THE CITY DEPARTMENT.
- 2. CONCEAL ALL WIRING AND CONDUIT IN WALLS, CHASE, UTILITY SPACES OR ABOVE CEILING.
- 3. WIRE SIZE SHALL NOT BE LESS THAN CORRESPONDING CIRCUIT BREAKER RATING AS REQUIRED BY CODE.
- 4. CONDUIT SHALL BE SIZED IN ACCORDANCE WITH THE LATEST NEC.
- 5. ALL ELECTRICAL WORK SHALL COMPLY WITH THE CALIFORNIA ELECTRICAL CODE 2019 EDITION.
- 6. IF DRAWINGS ARE INCORRECT FROM THE ACTUAL SITE CONDITION, E.C. SHALL NOTIFY ENGINEER(S) AND PROVIDE INFORMATION REFLECTING ACTUAL CONDITIONS.
- 7. FLEXIBLE CORDS SHALL NOT PASS THROUGH CEILINGS, WALLS OR FLOORS. PER SECTION 400.8 OF CALIFORNIA ELECTRICAL CODE 2019 EDITION.
- 8. COORDINATE LOCATIONS/HEIGHTS OF ALL RECEPTACLES FOR ELECTRICAL DEVICES WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN.
- 9. ALL ITEMS LABELED/IDENTIFIED AS EXISTING (IF ANY), ARE SUBJECT TO FIELD VERIFICATION.
- 10.FIELD VERIFY ALL KITCHEN EQUIPMENT INSTALLATION REQUIREMENTS WITH KITCHEN EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
- 11.RECEPTACLES OF 15 AND 20 AMPERES, 125 AND 250 VOLTS INSTALLED IN A WET LOCATION SHALL HAVE AN ENCLOSURE THAT IS WEATHERPROOF (WP) AND IS LISTED/IDENTIFIED AS "EXTRA DUTY." PER 406.9(B). THE RECEPTACLES SHALL BE LISTED AS THE WEATHER RESISTANT (WR) TYPE AND SHALL BE GFI PROTECTED PER 210.8(B)(4).
- 12.ALL 120V RECEPTACLES IN KITCHEN/SERVICE STORAGE PER CEC DEFINITION OF A KITCHEN (ANYWHERE FOOD OR BEVERAGES ARE PREPARED OR SERVED) ARE TO BE GFI PROTECTED. ANY OTHER RECEPTACLES IDENTIFIED AS GFI PROTECTED SHALL BE GFI DEVICES OR CONNECTED TO GFI CIRCUIT BREAKER OR CONNECTED DOWNSTREAM OF AND PROTECTED BY A GFI DEVICE. PROVIDE GFI PROTECTION AT ALL 125V, 15A OR 20A RECEPTACLES WITHIN 6' OF WATER SOURCES PER SECTION 210.8(B)(5) OF CALIFORNIA ELECTRICAL CODE, 2019 EDITION.

(#) KEYED POWER PLAN NOTES:

- . VERIFY/COORDINATE EXACT LOCATION FOR ELECTRICAL EQUIPMENTS IN FIELD AND PROVIDE MINIMUM CLEARANCE PER SECTION 110.26 OF NATIONAL ELECTRICAL CODE. 2017 EDITION.
- 2. VERIFY EXACT ELECTRICAL INSTALLATION REQUIREMENTS WITH MANUFACTURER AND PROVIDE PER RECOMMENDATION.
- 3. RE-USE EXISTING CIRCUIT, VERIFY HOME RUN & CIRCUIT NUMBER IN FIELD.



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CONTRACTOR
CONTRACTOR TO PULL PERMIT AFTER
APPROVAL OF PLANS
AMERICAN CONSTRUCTION

COMPANY 1130 N KRAEMER BLVD #I ANAHEIM, CA 92806 LIC#1073807

PROJECT NAME LOCATION OWNER

RANT TENANT
JENTS
EY ST STE 107.
CA 92879

115 N MCKINLE CORONA,

AUTHORITY HAVING JURISDICTION (AHJ)

BUILDING DEPARTMENT | CITY OF CORONA

REVISION SCHEDULE

REVISION REVISION REVISION SEQUENCE DESCRIPTION DATE

ENGINEER OF RECORD REVIEWED BY SEAL / STAMP

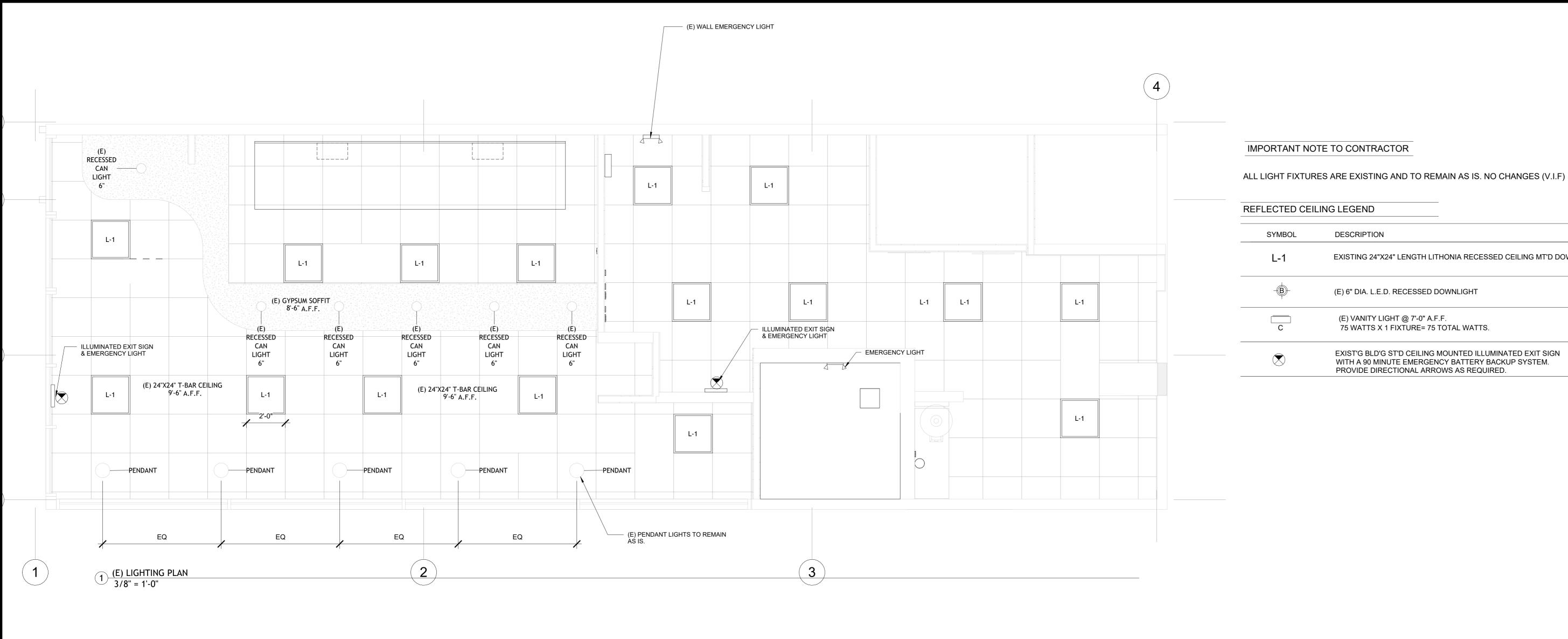
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SHEET NAME POWER PLAN

SHEET NUMBER

E-001



(E)	LIGHTING FIXTURE SCHEDULE FOR REFERI	NCE C	NLY	•
TYPE	DESCRIPTION	LAMP	VOLT	WATT
Α	24"x24" LIGHTING CEILING MOUNTED LED FIXTURE PROGRESS SERIES OR APPROVED EQUAL	LED	120	9
В	6" RECESSED DOWNLIGHT LED FIXTURE, DIMMABLE LITHONIA LDN6 SERIES OR APPROVED EQUAL	LED	120	10
С	PENDANT CORD CYLINDER 6" LED FIXTURE, DIMMABLE GOTHAM SERIES OR APPROVED EQUAL	LED	120	14.7
D	6" SURFACE MT'D DOWNLIGHT LED FIXTURE, DIMMABLE MANUFACTURER TBD	LED	120	10
EE	LIGHT FIXTURE WITH 90 MINUTES EMERGENCY BATTERY PACK VERIFY WITH MANUFACTURER FOR OPTION/INVERTER IF NOT AVAILABLE		120	
Х	LED EXIT SIGN WITH 90 MINUTES BATTERY PACK LITHINIA EXR LED M6 OR EQUIVALENT		120	
2. F 3. F D 4. P L 5. A S 6. C	EXTURE SHALL HAVE MIN. OF 10 YEARS MANUFACTURER WARRANTY ON ALL COMPON XTURES SHALL HAVE APPROPRIATE U.L. LABEL (i.c., DAMP OR WET) AS REQUIRED BY XTURES SHALL INCLUDE ALL ACCESSORIES FOR INSTALLATION ACCORDING TO MANURAWINGS AND AS REQUIRED BY CODES AND LOCAL ORDINANCES. RIOR TO ORDERING ANY LIGHTING EQUIPMENT, THE CONTRACT OR SHALL COORDINANCESTIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS AND CEILING CAVITY DE LL LAMPS SHALL BE PROVIDED AND INSTALLED ACCORDING TO THE ATTACHED FIXTUPECIFICATIONS. ENSURE COMPATIBILITY BETWEEN FIXTURE, LAMP(S) AND BALLAST(SONTRACTOR SHALL VERIFY FIXTURE VOLTAGES AND CEILING TRIM COMPATIBILITY PRIXTURE.	CODES AN JFACTURE TE ALL FIX EPTHS. IRE SCHED 3).	R'S SHOF TURE ULE AND	
7. P 8. L R 9. A M 10.EN	ROVIDE APPROVED FIRE-RATED ENCLOSURES FOR ALL LIGHTING FIXTURES LOCATED GHTING FIXTURE CATALOG NUMBERS ARE SERIES TYPE ONLY. PROVIDE ALL NECESS EQUIRED BY THE SPECIFICATIONS, DRAWINGS, AND PROJECT CONDITIONS FOR A COILL FIXTURES SHALL BE ORDERED WITH APPROPRIATE BALLAST(S) THAT HAVE U.L. AN ULTIPLE BALLASTS FOR DUAL-LEVEL SWITCHING AND WIRING AS INDICATED ON THE FOUR COMPATIBILITY OF ALL LIGHTING SYSTEM COMPONENTS, ESPECIALLY DIMMED SAMPS, BALLAST(S), AND DIMMING SYSTEMS/INDIVIDUAL CONTROLS MUST BE FACTOR	ARY HARD MPLETE IN: D CBM LAE PLANS. SYSTEMS.	WARE AS STALLAT BELS. PRO	S ION. OVIDE

11.LIGHTING FIXTURE MANUFACTURER & MODEL IS FOR REFERENCE ONLY. FIXTURE SHALL BE SELECTED BY

FOR FULL RANGE OF DIMMING COMPATIBILITY.

ARCHITECT. POWER AND QUALITY SHALL BE SPECIFICATION GRADE.

EMERGENCY EXIT ILLUMINATION NOTES:

- 1. FIXTURES WITH 90 MIN. EMERGENCY BATTERY BACKUP SHALL BE WIRED AHEAD OF ANY LOCAL IN COMPLIANCE WITH NEC ARTICLE 700.
- 2. EMERGENCY LIGHTING UNITS SHALL BE EQUIPPED WITH FACTORY INSTALLED INTEGRAL TEST SWITCHES.

CFC1008.3.5.

- 3. ILLUMINATION LEVELS IN THE ENTIRE EXIT ACCESS SHALL HAVE AVERAGE MINNIMUM OF 1FT CANDLE, ILLUMINATION LEVELS AT ANY ONE POINT SHALL BE AT LEAST 0.1FT CANDLE AND MAX TO MIN UNIFORM RATIO OF 40 PER
- 4. THE EMERGENCY POWER SYSTEM SHALL PROVIDE POWER FOR A DURATION OF NOT LESS THAN 90 MINUTES AND SHALL CONSIST OF STORAGE BATTERIES, UNIT EQUIPMENT OR AN ON-SITE GENERATOR. THE INSTALLATION OF THE EMERGENCY POWER SYSTEM SHALL BE IN ACCORDANCE WITH SECTION 2702. CBC 1008.3.4.
- 5. EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES. TO ENSURE CONTINUED ILLUMINATION FOR A DURATION OF NOT LESS THAN 90 MINUTES IN CASE OF PRIMARY POWER LOSS, THE SIGN ILLUMINATION MEANS SHALL BE CONNECTED TO AN EMERGENCY POWER SYSTEM PROVIDED FROM STORAGE BATTERIES, UNIT EQUIPMENT OR AN ON-SITE GENERATOR. THE INSTALLATION OF THE EMERGENCY POWER SYSTEM SHALL BE IN ACCORDANCE WITH CHAPTER 27.
- 6. EXIT AND EXIT ACCESS DOORS SHALL BE MARKED BY AN APPROVED EXIT SIGN READILY VISIBLE FROM ANY DIRECTION OF EGRESS TRAVEL; PATH OF EGRESS TRAVEL TO EXITS AND WITHIN EXITS SHALL BE MARKED BY READILY VISIBLE EXIT SIGN TO CLEARLY INDICATE THE DIRECTION OF EGRESS TRAVEL; INTERVENING MEANS OF EGRESS DOORS WITH EXITS SHALL BE MARKED BY EXIT SIGNS. CBC 1013.1.
- THE BOTTOM OF THE SIGN SHALL NOT BE LESS THAN 6 INCHES OR MORE THAN 8 INCHES ABOVE THE FLOOR LEVEL AND SHALL INDICATE THE PATH OF EXIT TRAVEL. FOR EXIT AND EXIT ACCESS DOORS, THE SIGN SHALL BE ON THE DOOR OR ADJACENT TO THE DOOR WITH THE CLOSEST EDGE OF THE SIGN OR MARKER WITHIN 4 INCHES OF THE DOOR FRAME.
- 3. TACTILE EXIT SIGNS SHALL BE PROVIDED WITH APPROPRIATE WORDS AT EXIT DOORS LEADING TO ENCLOSED EXIT STAIRWAYS AND EXIT DOORS LEADING TO OUTSIDE. CBC 1013.4.



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DESCRIPTION

(E) 6" DIA. L.E.D. RECESSED DOWNLIGHT

75 WATTS X 1 FIXTURE= 75 TOTAL WATTS.

PROVIDE DIRECTIONAL ARROWS AS REQUIRED.

EXIST'G BLD'G ST'D CEILING MOUNTED ILLUMINATED EXIT SIGN

WITH A 90 MINUTE EMERGENCY BATTERY BACKUP SYSTEM.

(E) VANITY LIGHT @ 7'-0" A.F.F.

EXISTING 24"X24" LENGTH LITHONIA RECESSED CEILING MT'D DOWNLIGHT L.ED@9'-6" A.F.F.

SYMBOL

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T.I PROPOSED BUSINESS OWNERS



CONTRACTOR CONTRACTOR TO PULL PERMIT AFTER APPROVAL OF PLANS AMERICAN CONSTRUCTION COMPANY 1130 N KRAEMER BLVD #I ANAHEIM, CA 92806

LIC#1073807

PROJECT NAME LOCATION OWNER

2

AUTHORITY HAVING JURISDICTION (AHJ) BUILDING DEPARTMENT | CITY OF CORONA

REVISION SCHEDULE

REVISION REVISION REVISION SEQUENCE DESCRIPTION DATE

> ENGINEER OF RECORD REVIEWED BY SEAL / STAMP

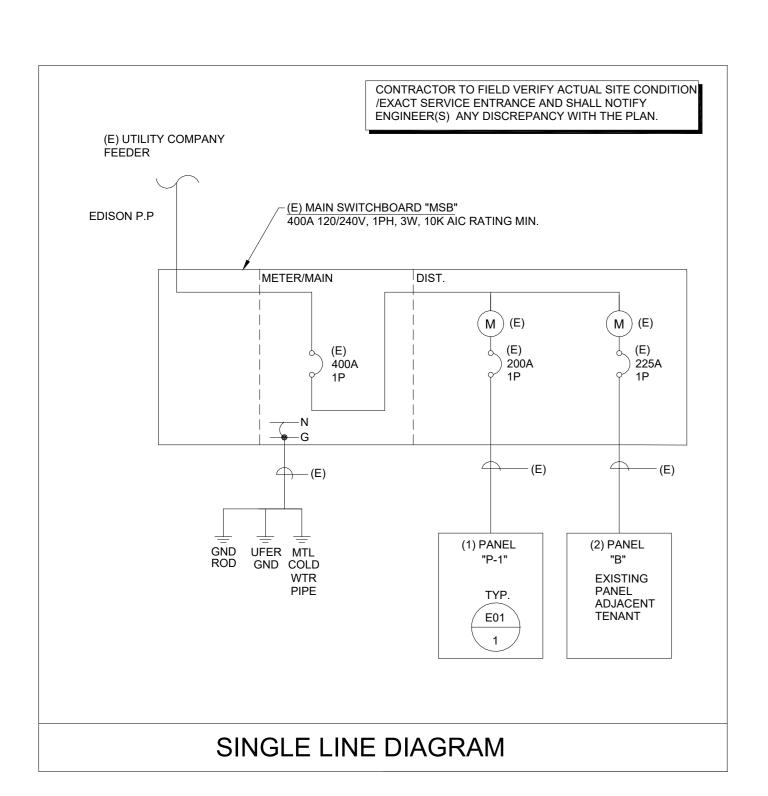
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SHEET NAME LIGHTING PLAN

SHEET NUMBER

E-002



—SELF TAPPING

SCREWS

STANDARD COLORS:

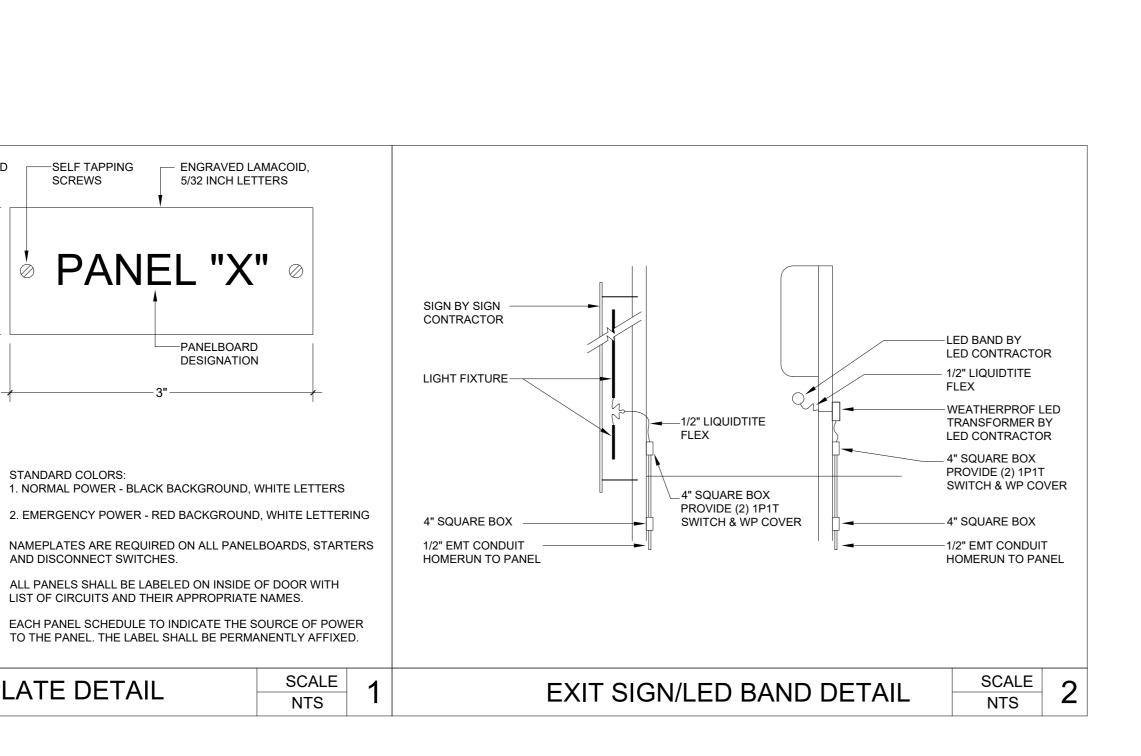
AND DISCONNECT SWITCHES.

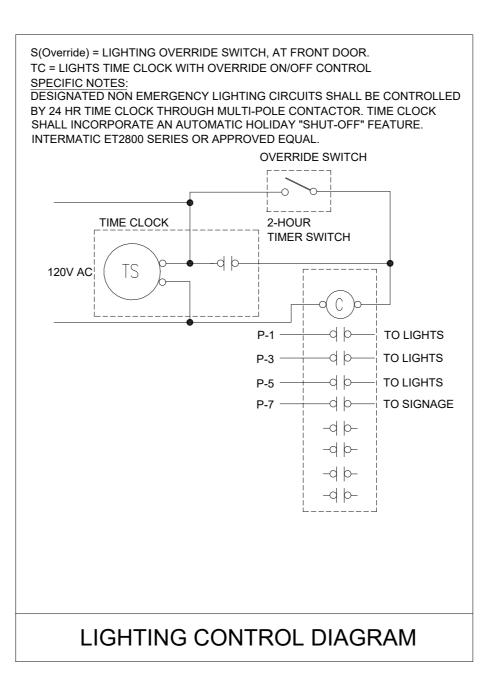
-NAMEPLATE

(TYPICAL)

-PANELBOARD

PANEL BOARD NAMEPLATE DETAIL





			LENGTH OF	RUN		
	25'	50'	100'	150'	200'	AMP LOAD
COPPER	14	12	10	8	6	15 AMP
COPPER	12	12	8	6	4	20AMP
COPPER	10	10	6	4	4	30 AMP
COPPER	1	1	1	2/0	4/0	100 AMP
ALUMINUM	1/0	1/0	2/0	4/0	300	100 AMP
OPPER	3/0	3/0	3/0	300	500	200 AMP
ALUMINUM	250	250	300	600	900	200 AMP

CIRCUIT KEY

1. NEW LOAD, EXISTING BREAKER.

2. NEW LOAD, PROVIDE AND INSTALL NEW CB AT EXISTING SPACE;10 KAIC.

3. UNLESS OTHERWISE SPECIFIED, ALL CIRCUIT BREAKERS WITHIN PANEL ARE EXISTING TO REMAIN

CONDUCTORS TO THE FARTHEST CONNECTED LOAD OR OUTLET SHALL NOT EXCEED 5 PERCENT.

ELECTRICAL CONTRACTOR TO VERIFY ALL CIRCUITS AND SUBMIT ANY DISCREPANCIES TO THE ENGINEER BEFORE STARTING ANY WORK.

	VOLTAGE: 208Y/120V, 3Ø 4W				LOA	D VA			MAI	NS:MLO)	BUS: 225A A.I.C: 10,000		
ŒΥ	CIRCUIT DESCRIPTION:		BKR	CIR no.	Ø A	Ø B	ØA	Ø B	CIR NO.	BKR		CIRCUIT DESCRIPTION:	KEY	
	DAYLIGHT LIGHTS (E) TO REMAIN	L	20/1	1	280		2640		2	30/2	К	KITCHEN APPL. (E) TO REMAIN	KEY	
	PENDANT LIGHTS (E) TO REMAIN	L	20/1	3		910		2640	4		К	KITCHEN APPL. (E) TO REMAIN		
	RECESSED LIGHTS (E) TO REMAIN	L	20/1	5	480		1700		6	30/2	K	KITCHEN APPL. (E) TO REMAIN		
	SIGNANGE (E) TO REMAIN	L	20/1	7		1200		600	8	20/1	N	KITCHEN APPL. (E) TO REMAIN		
	EMPTY			9					10	20/1	К	(V.I.F)		
	AIR CURTAIN FRONT (E) TO REMAIN	С	20/1	11		900			12	20/1	К	(V.I.F)		
	13 TO 27 EMPTY	-	-	13-27	-		600		14	30/2	N	KITCHEN APPL. (E) TO REMAIN		
	CONV. RECEPT.4	R	20/1	29		1260		600	16	30/2	N	KITCHEN APPL. (E) TO REMAIN		
1	PONY WALL OUTLETS (E) TO REROUTE	R	20/1	31	750		2800		18	30/2	К	MERCHANDISE MACHINE (E)		
1	PONY WALL OUTLETS (E) TO REROUTE	R	20/1	33		1000		750	20	30/2	N			
1	CONV. RECEPT.2 (E) TO REROUTE	R	20/1	35	550		950		22	30/2	N	20 TO 22 EMPTY	2	
1	ADVANTCO (E) TO REROUTE	K	20/1	37				750	22-30			24 TO 30 EMPTY		
1	EXAUST FAN (E) TO REROUTE	К	20/1	39	1000		950		32-34	30/2	K	32 TO 34 EMPTY	2	
	HP-1/AH-1 (E) TO REMAIN	М	45/2	41		2704		1200	38	20/1	М	MAKE UP AIR (E) TO REROUTE	1	
												EMPTY		
PHASE TOTALS			A B 19704 18260											

*DEMAND LOAD CALCULATION:

MIN. C/B AIC: 10,000

L=LIGHTING LOADS: C=CONTINUOUS LOADS, OTHER: M=MOTOR LOADS (INCL LGST): LARGEST, VA:

BALANCE

1X3904 = 3904 VA .25X3904=1952 VA R=RECEPTACLES:1ST 10K: 1 X 4860 = 4860 VA .5X0=0 VA 0.8X16620=13296 VA

K=KITCHEN LOADS QTY = 4 N=NONCONTINUOUS LOADS, OTHER: (P=PANEL, INCL. IN ABOVE)

1X5250 = 5250 VA TOTAL N.E.C DEMAND LOAD = 38537.5 VA = 161 AMPS

1.25X2870 = 3588 VA

1.25X4550 = 5687.5 VA

Design | Engineering | Construction

Ben Hamed, AM.ASCE, AIA DESIGNER ENGINEER ACC & ENGINEERING 1130 N KRAEMER BLVD #I ANAHEIM, CA 92806 714-844-2140 Ben@accandengineering.com www.accandengineering.com

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T.I PROPOSED BUSINESS OWNERS



CONTRACTOR CONTRACTOR TO PULL PERMIT AFTER APPROVAL OF PLANS AMERICAN CONSTRUCTION COMPANY 1130 N KRAEMER BLVD #I ANAHEIM, CA 92806

LIC#1073807

PROJECT NAME LOCATION OWNER

2

AUTHORITY HAVING JURISDICTION (AHJ) **BUILDING DEPARTMENT | CITY OF CORONA**

REVISION SCHEDULE

REVISION REVISION REVISION SEQUENCE DESCRIPTION DATE

ENGINEER OF RECORD REVIEWED BY SEAL / STAMP

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SHEET NAME SINGLE LINE DIAGRAM &

SCHEDULES

SHEET NUMBER

E-003

R BOLT ENT NUMBER OF DETAIL KIMATE SHEET WHERE DETAIL IS LOCATED M LAYER **DETAIL REFERENCE** (# NUMBER OF DETAIL S#.# -SHEET WHERE SECTION IS LOCATED ERSUNK **SECTION CUT** JOIST BEAM -NUMBER OF DETAIL SHEET WHERE VIEW IS LOCATED **ELEVATION VIEW STIRRUPS** -NUMBER OF DETAIL -SHEET WHERE DETAIL IS LOCATED **DETAIL CALLOUT** BEAM TION LOOR GIRDER SHEAR WALL TYPE (PER SCHEDULE) SHEAR WALL TYPE SHEAR WALL HEIGHT STUD **SHEARWALL SYMBOL** NETRATION HORIZONTAL STRAP MSTXX AMINATED BEAM VERTICAL STRAP RENGTH STRUCT.SECTION SIMPSON HOLDDOWN IAMETER BEAM OR HEADER LIMITS OF JOISTS OR RAFTER -DIRECTION OF JOISTS OR RAFTERS CTURER CONTRACT AD BEARING -SOUTH SCALE -LIMITS OF JOISTS OR RAFTER DIAMETER FACE DIRECTION OF EXISTING JOISTS OR EXISTING RAFTERS TY LINE PENETRATION RCEMENT

SYMBOLS

ESR & LARR						
DESCRIPTION	ESR	LARR				
Simpson Strongwall Shear Panels	2652	25730				
Simpson ABA, ABU, ABW	1622	-				
Simpson CBSQ, PB, CB/LCB, PPBZ, MPBZ	3050	25985				
Simpson SD Wood Screws	3096	25910				
Simpson LU, U, HU, LUS, MUS, HUS, HHUS, SUR\L, HSUR\L, HTU, LUCZ	2549, 2523	25807				
Simpson Top Flange Hangers for Engineered Wood						
Products and Glulam Beams (GLT, HGLT, GLS, HGLS, EG/MEG/LEG, MSC,	2615	25803				
ITS/MIT/HIT, LBV/B/HB/BA, EGQ)						
Simpson Hangers for composite lumber and prefabricated wood I-						
joists.(IUS, U, HU/HUC, HUS/HUSC, HHUS, SUR/L, HSUR/L, MIU, HGUS,	2552	25801				
LGU,MGU,HGU, HHGU, HUCQ)						
Simpson SET-XP Epoxy Adhesive Anchors for Cracked and	2508	25744				
Uncracked Concrete	2506	25744				
Simpson Column Caps for wood construction- (1. CC, ECC, CCQ and ECCQ	2604	25714				
Column Caps) (2. AC, EAC, LPC, PC, EPC, BC, BCS, EPCZ, AND PCZ Post	2004	23/14				
Simpson Straps- FHA, HST, LSTA, LSTI, MST, MSTA, MSTC, MSTI, and ST						
Series Straight Tie Straps; CMST and CS Series Coiled Tie Straps; CMSTC16	2105	25713				
Coiled Tie Strap; CTS218 Compression/Tension Straps MSTCB3 Series	2103	23/13				
Straps.						
Simpson Hold-Down Connectors- HDU, HDQ8, HHDQ, DTT2, and HDC10	2330	25720				
Clips and Plates for Wood Framing- A Series, A34, A35, FC, GA, H2A,						
H2.5T, H8, H10A-2, H10S, H14, HH, L, LCE4, LS, LP4, LTP5, LS, RBC,	3096	25814				
RBCP, and TJC37 Angles, Z Clips, and FWANZ						
Hardy Frame Panels HFX and HFX/S Series Panels and Brace Frames, HFX	2089	25759				
Series Bearing Plate, HFP Series Post, and Hardy Frame® Saddle	2003	23733				
SIMPSON PDPW-300 SHOT PINS	2138	-				
SIMPSON Embedded Column Bases in Concrete: CBSQ-SDS2, EPB, PB,	3050	25985				
PBS, EPS, CB/LCB, PPBZ and MPBZ.	3030	23303				
Structural Composite Lumber: TimberStrand® Laminated Strand						
Lumber(LSL), Parallam® Parallel Strand Lumber (PSL), and Microllam®	1387	25202				
Laminated Veneer Lumber(LVL); TimberStrand® LSL Rim Board,	1307	23202				
Microllam LVL Rim Board; and TJ® Rim Board.						

ESR AND LARR REFERENCES

STRUCTURAL OBSERVATION

ACC & ENGINEERING TO BE RESPONSIBLE FOR THE STRUCTURAL OBSERVATION BY DESIGNATION THE FOLLOWING ENGINEER AS THE OBSERVER FOR THIS PROJECT.

NAME: MOSTAFA BAYOUMI
CALIFORNIA REGISTRATION: C94270
PHONE: 714-844-2140

ONLY CHECKED ITEMS ARE REQUIRED

FOUNDATION	WALL	FRAME	DIAPHGRAM
FOOTING, STEM WALLS, PIERS	CONCRETE	STEEL MOMENT FRAME	CONCRETE
FOUNDATION	☐ MASONRY	STEEL BRACED FRAME	STEEL DECK
CAISSON, PILES, GRADE BEAMS	☐ wood	CONCRETE MOMENT FRAME	☐ WOOD
STEPP'D/RETAIN'G FOUNDATION, HILLSIDE SPECIAL ANCHORS	OTHERS	MASONRY WALL FRAME	OTHERS:
OTHERS:		OTHERS:	

DECLARATION BY OWNER

I, THE OWNER OF THE PROJECT, DECLARE THAT THE ABOVE LISTED FIRM HIRED TO BE THE STRUCTURAL OBSERVER.

SIGNATURE DATE

DECLARATION BY THE ARCHITECT OR ENGINEER OF RECORD

I, _____ DECLARE THAT THE ABOVE LISTED (ARCHITECT, ENGINEER) IS DESIGNATED BY ME TO BE RESPONSIBLE FOR THE STRUCTURAL OBSERVATION

(REQUIRED IF THE STRUCTURAL OBSERVER IS DIFFERENT FROM THE ARCHITECT OR THE ENGINEER OF RECORD.

SIGNATURE

DATE

INSPECTION ITEM	FREQ. OF INSPECTION
INSPECTION OF STEEL CONSTRUCTION (2019 CBC, SEC 1705.2) A-HIGH STRENGTH BOLTING	
1.MATERIAL IDENTIFICATION MARKINGS	PERIODIC
2.MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED 3.BEARING-TYPE CONNECTIONS	PERIODIC PERIODIC
4.SLIP-CRITICAL CONNECTIONS	CONTINUOUS
3-WELDING OF STRUCTURAL STEEL : 1.COMPELTE AND PARTIAL PENETRATION GROOVE WELDS	CONTINUOUS
2.MULTIPASS FILLET WELDS	CONTINUOUS
3.SINGLE-PASS FILLET WELDS > 5/16" 4.SINGLE-PASS FILLET WELDS < 5/16"	CONTINUOUS PERIODIC
5.FLOOR AND ROOF DECKS WELDS	PERIODIC
C-WELDING OF REINFORCING STEEL: 1.MATERIAL VERIFICATION OF REINFORCING STEEL	PERIODIC
2.REINFORCING STEEL PART OF LATERAL FORCE RESISTING SYS.	CONTINUOUS
3.SHEAR REINFORCEMENT 4.OTHER REINFORCING STEEL	CONTINUOUS PERIODIC
D-STRUCTURAL STEEL FRAMING: 1.COMPLIANCE WITH CONSTRUCTION DOCUMENT DETAILS AND SPECIFICATIONS	PERIODIC
2.MATERIALS IDENTIFICATION	PERIODIC
INSPECTION OF POST-INSTALLED ANCHORS AND DOWELS A- ADHESIVE ANCHORS AND REINFORCEMENT DOWELS:	
1. VERIFY DRILL BIT TYPE AND SIZE	CONTINUOUS
2. HOLE DEPTH AND CLEANING PROCEDURE 3. PRODUCT DESCRIPTION INCLUDING NAME, ROD TYPE, DIAMETER, AND LENGTH	CONTINUOUS
4. ADHESIVE EXPIRATION DATE 5. PROPER INSTALLATION TECHNIQUE FOR ADHESIVE ANCHORS	CONTINUOUS
B- MECHANICAL ANCHORS:	
VERIFY DRILL BIT TYPE AND SIZE HOLE DEPTH AND CLEANING PROCEDURE	CONTINUOUS
3. PRODUCT DESCRIPTION INCLUDING NAME, ANCHOR TYPE, DIAMETER, AND LENGTH	CONTINUOUS
4. PROPER INSTALLATION TECHNIQUE FOR MECHANICAL ANCHORS AND TIGHTENING TORQUE C- UNDERCUT ANCHORS:	CONTINUOUS
VERIFY DRILL BIT TYPE AND SIZE HOLE DEPTH AND CLEANING PRODEDURE	CONTINUOUS
3. PRODUCT DISCRIPTION INCLUDING NAME, ANCHOR TYPE, DIAMETER, AND LENGTH	CONTINUOUS
4. PROPER INSTALLATION TECHNIQUE FOR UNDERCUT ANCHORS AND TIGHTENING TORQUE SCREW ANCHORS:	CONTINUOUS
1. VERIFY DRILL BIT TYPE AND SIZE	CONTINUOUS
2. HOLE DEPTH AND CLEANING PROCEDURES 3. PRODUCT DESCRIPTION INCLUDING NAME, ANCHOR TYPE, DIAMETER AND LENGTH	CONTINUOUS
4. PROPER INSTALLATION TECHNIQUE FOR SCREW ANCHORS AND TIGHTENING TORQUE	CONTINUOUS
INSPECTION OF CONCRETE CONSTRUCTION (2019 CBC SEC 1705.3) A- STRUCTURAL CAST-IN-PLACE CONCRETE:	,
REINFORCING STEEL MATERIALS AND PLACEMENT BOLTS INSTALLED IN CONCRETE PRIOR TO AND DURING CONCRETE PLACEMENT	PERIODIC CONTINUOUS
3. VERIFY USE OF REQUIRED MIX DESIGN	PERIODIC
4. SAMPLING OF FRESH CONCRETE 5. CONRETE AND SHOTCRETE PLACEMENT TECHNIQUE	CONTINUOUS CONTINUOUS
MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS	PERIODIC PERIODIC
INSPECTION OF POST-INSTALLED ANCHORS AND DOWELS	LINODIO
A- ADHESIVE ANCHORS AND REINFORCEMENT DOWELS: 1. VERIFY DRILL BIT TYPE AND SIZE	CONTINUOUS
2. HOLE DEPTH AND CLEANING PROCEDURE 3. PRODUCT DESCRIPTION INCLUDING NAME, ROD TYPE, DIAMETER, AND LENGTH	CONTINUOUS
4. ADHESIVE EXPIRATION DATE	CONTINUOUS
5. PROPER INSTALLATION TECHNIQUE FOR ADHESIVE ANCHORS B- MECHANICAL ANCHORS:	CONTINUOUS
VERIFY DRILL BIT TYPE AND SIZE HOLE DEPTH AND CLEANING PROCEDURE	CONTINUOUS
3. PRODUCT DESCRIPTION INCLUDING NAME, ANCHOR TYPE, DIAMETER, AND LENGTH	CONTINUOUS
4. PROPER INSTALLATION TECHNIQUE FOR MECHANICAL ANCHORS AND TIGHTENING TORQUE C- UNDERCUT ANCHORS:	CONTINUOUS
1. VERIFY DRILL BIT TYPE AND SIZE	CONTINUOUS
2. HOLE DEPTH AND CLEANING PRODEDURE 3. PRODUCT DISCRIPTION INCLUDING NAME, ANCHOR TYPE, DIAMETER, AND LENGTH	CONTINUOUS CONTINUOUS
4. PROPER INSTALLATION TECHNIQUE FOR UNDERCUT ANCHORS AND TIGHTENING TORQUE SCREW ANCHORS:	CONTINUOUS
1. VERIFY DRILL BIT TYPE AND SIZE	CONTINUOUS
2. HOLE DEPTH AND CLEANING PROCEDURES 3 PRODUCT DESCRIPTION INCLUDING NAME, ANCHOR TYPE, DIAMETER AND LENGTH	CONTINUOUS
4. PROPER INSTALLATION TECHNIQUE FOR SCREW ANCHORS AND TIGHTENING TORQUE	CONTINUOUS
INSPECTION OF MASONRY CONSTRUCTION (2019 CBC SEC 1705.4) A- STRUCTURAL REINFORCED MASONRY:	
PROPORTIONS OF SITE-PREPARED MORTAR PLACEMENT OF MASONRY UNITS AND CONSTRUCTION OF MORTAR JOINTS	PERIODIC PERIODIC
3. LOCATION OF REINFORCEMENT, CONNECTOR, AND ANCHORAGE	PERIODIC
4. SIZE AND LOCATION OF STRUCTURAL ELEMENTS 5. TYPE, SIZE, AND LOCATION OF ANCHORS	PERIODIC PERIODIC
6. REINFORCEMENT SIZE, GRADE, AND TYPE 7. WELDING OF REINFORCING BARS	PERIODIC CONTINUOUS
8. PROTECTION OF MASONRY DURING COLD WEATHER OR HOT WEATHER	PERIODIC
9. GROUT SPACE IS CLEAN 10. GROUT PLACEMENT	PERIODIC CONTINUOUS
11. OBSERVE PREPARATION OF REQUIRED GROUT SPECIMENS, MORTAR SPECIMENT, AND/OR PRISMS	CONTINUOUS
12. VERIFY COMPLIANCE WITH THE REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS.	PERIODIC
INSPECTION OF WOOD CONSTRUCTION (2019 CBC SEC 1705.5) SHOP FABRICATED STRUCTURAL ELEMENTS:	<u> </u>
A. MAINTENANCE AND ADHERENCE TO FABRICATION AND QUALITY CONTROL PROCEDURES.	PERIODIC
B. FABRICATION TOLERANCE SITE-FABRICATION WOOD CONSTRUCTION:	PERIODIC
A. WOOD STRUCTURAL PANEL SHEATHING (HIGH-LOAD DIAPHRAGMS) B. NOMINAL SIZE, GRADE, AND TYPE OF FRAMING MEMBERS	PERIODIC PERIODIC
C. FASTENER DIAMETER, LENGTH, QUALITY, LOCATION, EDGE DISTANCE AND SPACING.	PERIODIC
D. CONNECTOR TYPE, MANUFACTURE, AND FASTENERS	PERIODIC
INSPECTION OF SOILS 12010 CBC SEC 1705 SI	PERIODIC
INSPECTION OF SOILS (2019 CBC SEC 1705.6) 1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING	PERIODIC
· · · · · · · · · · · · · · · · · · ·	LICIODIC
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	PERIODIC
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	



Design | Engineering | Construction

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T.I PROPOSED BUSINESS OWNERS



CONTRACTOR
CONTRACTOR TO PULL PERMIT AFTER
APPROVAL OF PLANS

AMERICAN CONSTRUCTION
COMPANY
1130 N KRAEMER BLVD #I
ANAHEIM, CA 92806
LIC#1073807

EVANTY RESTAURANT TENANT
IMPROVEMENTS

115 N MCKINLEY ST STE 107.
CORONA, CA 92879

ZAHER DAKELBAB

AUTHORITY HAVING JURISDICTION (AHJ)
BUILDING DEPARTMENT | CITY OF CORONA

REVISION REVISION REVISION SEQUENCE DESCRIPTION DATE

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SHEET NAME

STRUCTURAL ABBREVIATIONS, SYMBOLS & SCHEDULES

SHEET NUMBER

S-0.1

BUILDING CODES AND STANDARDS USED FOR DESIGN

1. 2022 CALIFORNIA BUILDING CODE

OCCUPANCY CATEGORY: II

DESIGN LOADS

 DESIGN LOADS ROOF LIVE LOAD:

ROOF LIVE LOAD: ROOF DEAD LOAD:

WIND LOAD DESIGN CRITERIA WIND IMPORTANCE FACTOR, I: BASIC WIND SPEED:

WIND EXPOSURE CATEGORY: GCpi:

GCpi: SEISMIC LOAD DESIGN CRITERIA

SEISMIC IMPORTANCE FACTOR, I:
SITE CLASS:

SPECTRAL RESPONSE ACCELERATION: Ss=1.57,S1=0.6
Sds=1.13, Sd1=1.01

SEISMIC DESIGN CATEGORY:

GENERAL STRUCTURAL NOTES

1. THIS DRAWING SET IS TO BE VIEWED AS A WHOLE AND COORDINATED WITH ARCHITECTURAL, MECHANICAL AND OTHER DISCIPLINES. ALL WORK PERTAINING TO A SPECIFIC CONTRACTOR MAY OR MAY NOT BE SHOWN ON SPECIFIC DRAWING SECTIONS. IT IS EACH SUBCONTRACTOR'S RESPONSIBILITY TO PREPARE HIS BID FROM A COMPLETE SET OF PLANS.

20 psf

15 psf

1.0

+/-0.18

1.0

D

92 MPH (3 SEC GUST)

- 2. THE CONTRACTOR SHALL FOLLOW WRITTEN DIMENSIONS ONLY. DO NOT SCALE DRAWINGS. DIMENSIONS NOT SHOWN ON PLAN TO BE COORDINATED WITH ARCHITECTURAL PLANS.
- 3. WHERE INFORMATION PROVIDED IN THESE STRUCTURAL DRAWINGS CONTRADICTS INFORMATION PROVIDED IN PROJECT SPECIFICATIONS, THE SPECIFICATIONS SHALL TAKE PRECEDENCE.
- 4. ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY AT ANY SIMILAR SITUATION ELSEWHERE ON THE JOB, EXCEPT WHERE A DIFFERENT DETAIL OR SECTION IS SHOWN.
- 5. THE STRUCTURE SHALL BE ADEQUATELY BRACED AND SHORED DURING ERECTION AGAINST WIND AND ERECTION LOADS. STRUCTURAL MEMBERS ARE DESIGNED FOR "IN-PLACE" LOADS ONLY.
- 6. THE GENERAL CONTRACTOR SHALL VERIFY ALL OPENING SIZES, PAD SIZES, AND LOCATIONS WITH THE RESPECTIVE CONTRACTORS.
- 7. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN CONSTRUCTION DOCUMENTS AND ACTUAL FIELD CONDITIONS.
- 8. SEE ARCHITECTURAL PLANS FOR ADDITIONAL DETAILS AND INFORMATION.
- 9. WHERE GENERAL NOTES OR TYPICAL DETAILS CONTRADICT INFORMATION PROVIDED IN BUILDING SECTIONS, THE BUILDING SECTIONS TAKE PRECEDENCE.
- 10. ALL HOLES THROUGH CONSTRUCTION SHALL BE CORE DRILLED OR SAWCUT.
- 11. ALL REINFORCEMENT AND SUBFRAMING INDICATED ON PLAN SHALL BE INSTALLED PRIOR TO PLACING EQUIPMENT.
- 12. EQUIPMENT WEIGHING LESS THAN 100LBS NOT SHOWN ON PLAN. SEE MECHANICAL DRAWINGS.
- 13. WEIGHTS SHOWN ON DRAWING INCLUDE WEIGHTS OF UNIT, CURB, AND ALL ACCESSORIES. DO NOT PLACE UNIT WHEN OPERATING WEIGHT EXCEEDS THAT INDICATED. NOTIFY STRUCTURAL ENGINEER.
- 14. VERIFY LOCATIONS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL DRAWINGS.
- 15. FV = FIELD VERIFY (E)= EXISTING

EXISTING CONSTRUCTION NOTES

- 1. ALL DIMENSIONS AND ELEVATIONS TO EXISTING CONSTRUCTION ARE FOR REFERENCE ONLY. FIELD VERIFY DIMENSIONS AND ELEVATIONS PRIOR TO PREPARING SHOP DRAWINGS, FABRICATING MEMBERS (STRUCTURAL ITEMS), AND INSTALLATION.
- 2. ALL HOLES THROUGH EXISTING CONSTRUCTION SHALL BE CORE-DRILLED OR SAWCUT. DO NOT CUT ANY REINFORCING STEEL WHILE DRILLING INTO EXISTING CONCRETE. DO NOT TORCH CUT.
- 3. PRIOR TO SUBMITTING SHOP DRAWINGS TO ARCHITECT AND ENGINEER OF RECORD FOR APPROVAL, CONTRACTOR SHALL VERIFY DIMENSIONS BETWEEN NEW CONSTRUCTION AND EXISTING CONSTRUCTION, AND FORWARD TO FABRICATOR FOR THEIR REFERENCE.
- 4. NOTIFY STRUCTURAL ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND STRUCTURAL DRAWINGS.
- 5. FOR ALL EXISTING CONSTRUCTION: DUE TO LIMITED OBSERVATION, OR NOT BEING ABLE TO VISIT THE EXISTING BUILDING DURING THE PREPARATION OF THESE DOCUMENTS, CASE ENGINEERING HAS ASSUMED THE EXISTING STRUCTURE IS IN LIKE-NEW CONDITION WITH NO CORROSION, DETERIORATION, OR DAMAGE, AND WAS CONSTRUCTED PER ANY ORIGINAL CONSTRUCTION DOCUMENTS PROVIDED (IF ANY EXIST). CONTRACTOR SHALL VERIFY THESE ASSUMPTIONS TO THE BEST OF THEIR ABILITY AND NOTIFY THE ENGINEER OF ANY CONCERNS, ISSUES, OR DISCREPANCIES.

6. CONTRACTOR TO VERIFY TOP OF ROOF SLOPE IS AT LEAST 1/4" PER FOOT AFTER PLACEMENT OF ANY NEW LOADS APPLIED TO ROOF OR HUNG FROM ROOF FRAMING. LOADS FROM NEW OR REPLACED ITEMS MAY INCLUDE, BUT ARE NOT LIMITED TO, ROOF TOP MECHANICAL UNITS (RTU'S) AND ASSOCIATED DUCTWORK, HUNG HOODS, MAKE-UP AIR UNITS, CONDENSERS, COMPRESSORS, EXHAUST FANS, HUNG TRANSFORMERS, ROOFTOP GENERATOR(S), RE-ROOF MATERIALS, NEW CEILINGS, HUNG SIGNAGE, HUNG SPRINKLER PIPING, ETC. ALSO VERIFY THAT ALL ROOF DRAINS INCLUDING INTERIOR PRIMARY AND SECONDARY EMERGENCY OVERFLOW DRAINS AND ANY WALL SCUPPERS ARE CLEAR AND FREE-DRAINING. REPORT RESULTS IN WRITING TO ARCHITECT AND STRUCTURAL ENGINEER AS SOON AS PRACTICAL DURING THE CONSTRUCTION PROCESS.

SPECIAL INSPECTIONS (AS REQUIRED ONLY)

- 1. REFER TO THE SPECIAL INSPECTION TABLES FOR THE LIST OF ELEMENTS OF CONSTRUCTION THAT SHALL REQUIRE SPECIAL INSPECTION. THIS SHALL BE CONSIDERED A GUIDE, AND THE CONTRACTOR AND INSPECTOR SHALL REFER TO THE IBC FOR COMPLETE REQUIREMENTS, QUALIFICATIONS, EXCEPTIONS, AND SUBMITTALS. REFER TO IBC SECTION 1704 FOR 2003-2009 CODES, AND SECTION 1705 FOR 2012-2018 CODES. THE OWNER SHALL BE RESPONSIBLE FOR EMPLOYING THE SPECIAL INSPECTION AGENCY. ANY "OBSERVATIONS" BY THE EOR WILL NOT BE TO PERFORM SPECIAL INSPECTIONS AND SHALL NOT BE INTERPRETED AS SUCH.
- 2. COPIES OF ALL INSPECTION REPORTS THAT REPORT COMPLIANCE SHALL BE SUBMITTED TO THE ARCHITECT OF RECORD, STRUCTURAL ENGINEER OF RECORD, AND BUILDING INSPECTOR WITHIN 7 CALENDAR DAYS OF COMPLETION OF THAT PORTION OF WORK. A MINIMUM OF ONE (1) PROGRESS REPORT PER MONTH FOR EACH TYPE OF CONSTRUCTION REQUIRING SPECIAL INSPECTION SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER OF RECORD.
- SPECIAL INSPECTOR SHALL INFORM ENGINEER OF RECORD IMMEDIATELY OF NON-COMPLIANCE WITH CONSTRUCTION DOCUMENTS OR APPROVED SUBMITTALS. CONTACT ENGINEER OF RECORD THE SAME DAY NON-COMPLIANCE IS DISCOVERED AND FOLLOW UP WITH AN OFFICIAL REPORT WITHIN 2 BUSINESS DAYS.
- 4. THE SPECIAL INSPECTIONS IDENTIFIED ON THE PLANS ARE IN ADDITION TO, AND NOT A SUBSTITUTE FOR, THOSE INSPECTIONS REQUIRED TO BE PERFORMED BY A BUILDING INSPECTOR.
- SPECIAL INSPECTIONS ARE NOTED AS EITHER "CONTINUOUS" OR "PERIODIC". A "CONTINUOUS" INSPECTION REQUIRES THE PRESENCE OF A QUALIFIED INSPECTOR IN THE VICINITY OF THE WORK BEING PERFORMED FOR 100% OF THAT WORK. A "PERIODIC" INSPECTION REQUIRES PART-TIME OBSERVATION OF THE WORK BEING PERFORMED. THE INSPECTOR SHALL ALSO OBSERVE THE FINAL CONDITION OF THE WORK BEFORE IT IS CLOSED FROM VIEW.
- WHEN WORK IN MORE THAN ONE CATEGORY OF WORK REQUIRING SPECIAL INSPECTION IS TO BE PERFORMED SIMULTANEOUSLY, OR THE GEOGRAPHIC LOCATION OF THE WORK IS SUCH THAT IT CANNOT BE CONTINUOUSLY OBSERVED, IT SHALL BE THE RESPONSIBILITY OF THE AGENT TO EMPLOY A SUFFICIENT NUMBER OF SPECIAL INSPECTORS TO ASSURE THAT ALL WORK IS CONTINUOUSLY INSPECTED IN ACCORDANCE WITH THOSE PROVISIONS.

COLD-FORMED STEEL FRAMING NOTES

DESIGN VALUES.

- STEEL FOR COLD-FORMED SECTIONS, AND STEEL SHEET AND PLATE USED IN COLD-FORMED
 STEEL CONSTRUCTION SHALL CONFORM TO SECTION A2.1 OF AISI STANDARD:
 "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL
 STRUCTURAL MEMBERS", LATEST EDITION.
- 2. ALL 12, 14, AND 16 GAUGE MEMBERS SHALL MEET THE REQUIREMENTS OF ASTM A1003, GRADE ST50H (MINIMUM YIELD OF 50,000 psi). ALL 18 AND 20 GAUGE MEMBERS SHALL MEET THE REQUIREMENTS OF ASTM A1003 GRADE ST33H (MINIMUM YIELD OF 33,000 psi).
- 3. SCREWS FOR COLD-FORMED STEEL CONSTRUCTION SHALL BE ITW BUILDEX TEK SCREWS (ICC ESR-1976) OR APPROVED EQUAL.
- 4. ALL SCREWS SHALL BE INSTALLED SO THAT HEADS ARE FLUSH WITH OUTSIDE MATERIAL. DO NOT OVERDRIVE SCREWS. SCREWS WITH WING-TIPS ARE NOT PERMITTED IN SHEAR WALLS OR DIAPHRAGMS.
- 5. SCREW FASTENERS MUST BE INSTALLED PERPENDICULAR, FULLY SEATED AND WITH A MINIMUM (3) SCREW THREADS EXPOSED BACKSIDE OF CONNECTION (UNO).
 - AND STEEL INSTITUTE "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" 2012 EDITION WITH SUPPLEMENTS. THE CONTRACTORS IS TO VERIFY THAT THE MATERIALS INSTALLED MEET OR EXCEED THESE

SECTION PROPERTIES ARE ASSUMED TO BE IN ACCORDANCE WITH THE AMERICAN IRON

7. MECHANICAL BRIDGING SHALL BE USED IN ALL CASES WHERE INDICATED. INSTALLATION OF BRIDGING MUST BE COMPLETED BEFORE ANY LOADS ARE APPLIED TO THE SYSTEM. ALL BRIDGING SHALL BE TERMINATED AT JAMBS, CORNER STUDS OR COLUMNS. BRIDGING ENDS SHALL NOT HANG LOOSE. STUDSSHALL BE BRACED AGAINST ROTATION.

- 8. ALL FRAMING COMPONENTS SHALL BE CUT SQUARELY FOR ATTACHMENT TO PERPENDICULAR MEMBERS. STUD ENDS MUST SEAT TIGHTLY INTO TRACKS IN ALL BEARING APPLICATIONS.
- 9. NO SPLICES IN STUDS, JOISTS, HEADERS, OR OTHER LOAD CARRYING MEMBERS MAY B MADE WITHOUT PRIOR ENGINEERING REVIEW AND SPECIFIC DETAILS FOR ANY SUCH REVISION TO THE ORIGINAL DESIGN.
- 10. ALL WELDING SHALL BE PERFORMED BY AWS WELDERS QUALIFIED FOR WELDING COLD-FORMED STEEL CONFORMANCE WITH AWS D1.3 USING E60 ELECTRODES, UNLESS OTHERWISE NOTED. STEEL REQUIRING WELDING SHALL BE 16ga MINIMUM.
- 11. ALL COLD-FORMED STUDS AND JOISTS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS REGARDING MINIMUM INSTALLATION STANDARDS FOR BEARING, BRIDGING, AND BRACING.
- 12. BOTTOM TRACK TO MATCH STUD GAUGE WITH A MINIMUM 1-1/4" FLANGE UNLESS OTHERWISE NOTED.



Design | Engineering | Construction

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T.I PROPOSED BUSINESS OWNERS



CONTRACTOR
CONTRACTOR TO PULL PERMIT AFTER
APPROVAL OF PLANS
AMERICAN CONSTRUCTION

1130 N KRAEMER BLVD #I ANAHEIM, CA 92806 LIC#1073807

PROJECT NAME LOCATION OWNER

A, CA 92879

115 N MCKINLEY ST CORONA, CA 92

AUTHORITY HAVING JURISDICTION (AHJ)

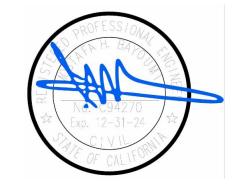
BUILDING DEPARTMENT | CITY OF CORONA

REVISION SCHEDULE

REVISION REVISION REVISION SEQUENCE DESCRIPTION DATE

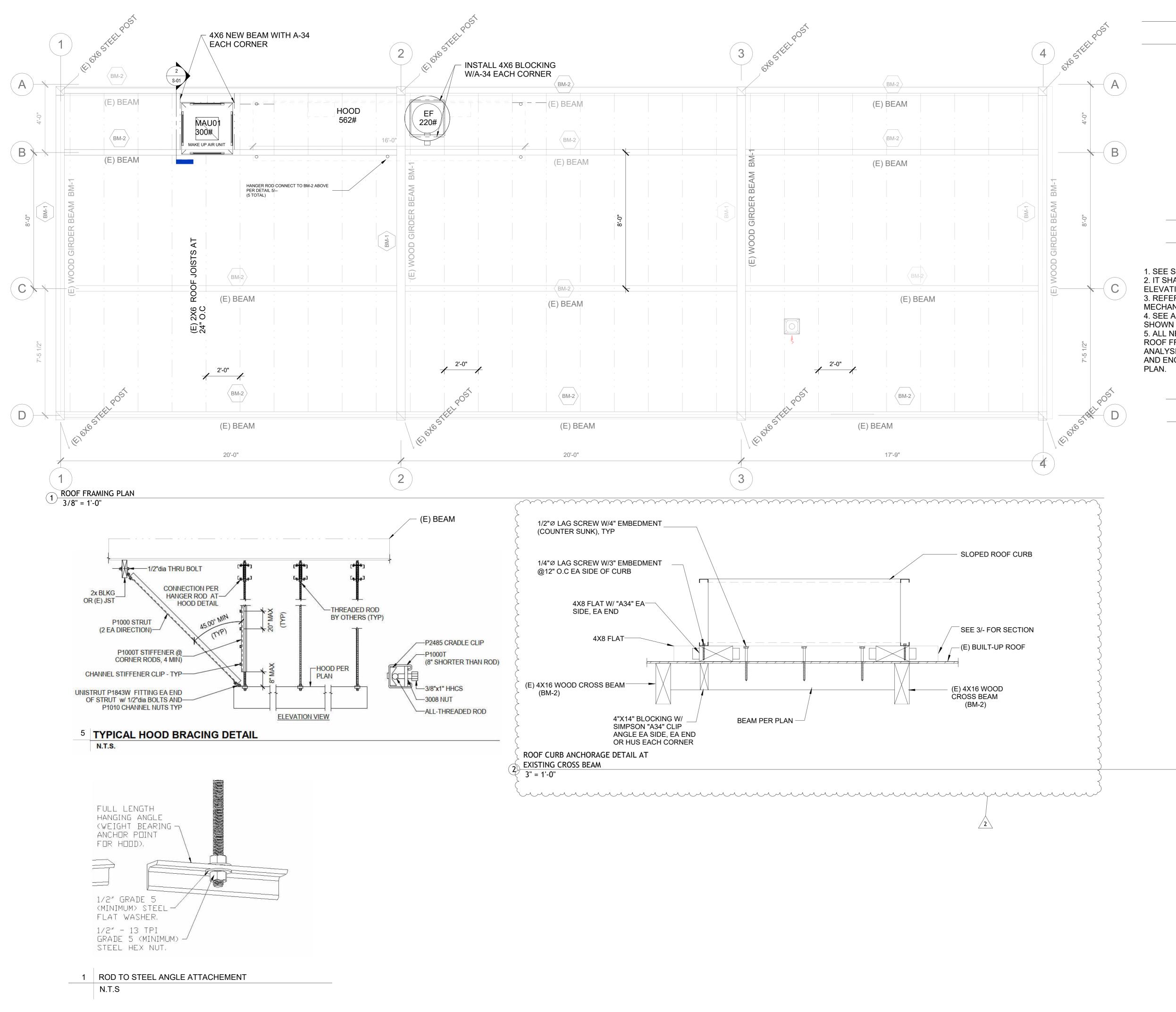
ENGINEER OF RECORD REVIEWED BY SEAL / STAMP

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PROFESSIONAL STANDARD OF CARE, AND IS IN
ACCORDANCE WITH ACCEPTED STANDARDS O



SHEET NAME
STRUCTURAL NOTES

S-00



LEGEND

(E) WALLS NOT PART MSTXX HORIZONTAL STRAP ###_ **BEAM OR HEADER** LIMITS OF JOISTS OR RAFTER DIRECTION OF JOISTS OR RAFTERS **ROOF JOIST**

PARTIAL ROOF FRAMING PLAN

- 1. SEE SHEET S-0 FOR GENERAL NOTES AND TYPICAL DETAILS.
- 2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO BEGINNING CONSTRUCTION.
- 3. REFERENCE MECHANICAL DRAWINGS FOR EXACT WEIGHTS AND LOCATIONS OF MECHANICAL EQUIPMENT.
- 4. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS, SECTIONS, AND ELEVATIONS NOT

ANALYSIS IS SHOWN ON FRAMING PLAN. GENERAL CONTRACTOR SHALL NOTIFY ARCHITECTURE AND ENGINEER OF RECORD IMMEDIATELY IF EQUIPMENT EXISTS THAT IS NOT SHOWN ON

(E) BEAM SCHEDULE

BEAM	DESCRIPTION
BM-1	EXISTING GLUE-LAM 5.25"X30" MAIN GIRDER
BM-2	EXISTING 4"X16" CROSS BEAM



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T.I PROPOSED BUSINESS OWNERS



CONTRACTOR CONTRACTOR TO PULL PERMIT AFTER APPROVAL OF PLANS AMERICAN CONSTRUCTION COMPANY

1130 N KRAEMER BLVD #I ANAHEIM, CA 92806 LIC#1073807

PROJECT NAME LOCATION 2

AUTHORITY HAVING JURISDICTION (AHJ) **BUILDING DEPARTMENT | CITY OF CORONA** REVISION SCHEDULE

REVISION REVISION REVISION

Rev.2 (Structural) 06/12/2024

SEQUENCE DESCRIPTION DATE

ENGINEER OF RECORD

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SHEET NAME

ROOF FRAMING PLAN

SHEET NUMBER

S-01